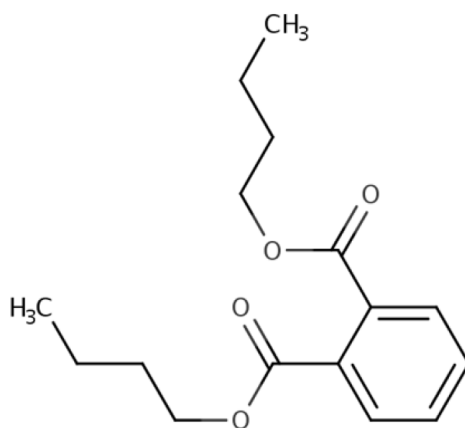

**Data Extraction Information for
General Population, Consumer, and Environmental Exposure for
Dibutyl Phthalate (DBP)
(1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester)**

Systematic Review Support Document for the Risk Evaluation

CASRN: 84-74-2



December 2025

This supplemental file contains information regarding the data extraction results for data sources that met the PECO screening criteria for the *Consumer and Indoor Dust Exposure Assessment for Dibutyl Phthalate (DBP)*, and the *Environmental Media and General Population and Environmental Exposure for Dibutyl Phthalate (DBP)*. 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*. (referred to hereafter as the “2021 Draft Systematic Review Protocol”). The systematic review steps are further described in the *Systematic Review Protocol for Dibutyl Phthalate (DBP)* referred hereafter as the “DBP Systematic Review Protocol”.

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

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 *Data Extraction Information for General Population, Consumer, and Environmental Exposure for Dibutyl Phthalate (DBP)*

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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
Cousins et al. 2007 HERO ID: 675060 <i>OQD:</i> Medium	Stenungsund, SE Scenario: Ambient air from Stenugsund, industrial point source (n = 3; DF = 1; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.99 ng/m ³ ; 0.28 ng/m ³ ; 0.76 ng/m ³]				
Cousins et al. 2007 HERO ID: 675060 <i>OQD:</i> Medium	Gislaved, SE Scenario: Ambient air from industrial point source (n = 3; DF = 1; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [15 ng/m ³ ; 4.8 ng/m ³ ; 12 ng/m ³]				
Cousins et al. 2007 HERO ID: 675060 <i>OQD:</i> Medium	Stockholm, SE Scenario: Ambient air from Stockholm, Wollmar Yxkullsg .25, urban diffuse source (n = 3; DF = 1; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [3.6 ng/m ³ ; 2.1 ng/m ³ ; 2.5 ng/m ³]				
Cousins et al. 2007 HERO ID: 675060 <i>OQD:</i> Medium	Rao, SE Scenario: Ambient air from background source (n = 3; DF = 1; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.26 ng/m ³ ; 0.28 ng/m ³ ; 0.08 ng/m ³]				
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Lanshan district, CN Scenario: Ambient air from Lanshan district (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	NR 0.000000315 Other (AM)	NR	
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Coach Terminal Station, CN Scenario: Ambient air from Coach Terminal Station (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	NR 0.000000200 Other (AM)	NR	
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Ninghe garden, CN Scenario: Ambient air from NingHe garden (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	NR 0.000000535 Other (AM)	NR	
Quintana-Belmares et al. 2018 HERO ID: 4167514 <i>OQD:</i> Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - December (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 <i>OQD:</i> Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - March (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 <i>OQD:</i> Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - May (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 <i>OQD:</i> Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - April (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported 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
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - November (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - December (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - February (n = 3; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - November (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	14.2 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - January (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.1 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM10 measures from roof of medical clinic - February (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	10.0 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - January (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	10.8 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - March (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	9.7 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - April (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	31.8 μg/g (AM)	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 OQD: Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic - May (n = 3; DF = 1; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	23.9 μg/g (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Agarwal et al. 2020 HERO ID: 6824497 <i>OQD:</i> Medium	Delhi, India, IN Scenario: Ambient air at an urban site (n = 5; DF = 1; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	15.25 ng/m ³	58.45 ng/m ³	29.18 ng/m ³ (AM)	NR	NR
Agarwal et al. 2020 HERO ID: 6824497 <i>OQD:</i> Medium	Delhi, India, IN Scenario: Ambient air downwind from a landfill site with waste burning (n = 7; DF = 1; Sampling Period: Oct., 2014)	LOD: Not Reported LOQ: Not Reported	200 ng/m ³	768.57 ng/m ³	379.23 ng/m ³ (AM)	NR	NR
Salapasidou et al. 2011 HERO ID: 1249468 <i>OQD:</i> High	Thessaloniki, GR Scenario: Ambient PM10 at urban-traffic site in Thessaloniki, Greece (n = 10; DF = 1; Sampling Period: Jan., 2007 - Feb., 2007)	LOD: Not Reported LOQ: Not Reported	0.43 ng/m ³	2.4 ng/m ³	1.1 ng/m ³ (AM)	50th: 0.99 ng/m ³ ;	0.65 ng/m ³ (ASD)
Salapasidou et al. 2011 HERO ID: 1249468 <i>OQD:</i> High	Thessaloniki, GR Scenario: Ambient PM10 at urban-industrial site in Thessaloniki, Greece (n = 10; DF = 1; Sampling Period: Jan., 2007 - Feb., 2007)	LOD: Not Reported LOQ: Not Reported	1.2 ng/m ³	3.36 ng/m ³	2.0 ng/m ³ (AM)	50th: 1.91 ng/m ³ ;	0.67 ng/m ³ (ASD)
Blanchard et al. 2013 HERO ID: 1315297 <i>OQD:</i> High	Paris, FR Scenario: Outdoor air from roof of university (n = 6; DF = NR; Sampling Period: May, 2008 - Sept., 2008)	LOD: Not Reported LOQ: 10.0 pg/m ³	NR	NR	7.18 ng/m ³ (AM)	NR	1.219 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Outdoor air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	7.8 ng/m ³ (AM)	NR	2.1 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Outdoor air during heating season (n = 6; DF = NR; Sampling Period: Jan., 2012 - Mar., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.3 ng/m ³ (AM)	NR	0.094 ng/m ³ (ASD)
Baek et al. 2020 HERO ID: 6950643 <i>OQD:</i> Medium	Ulsan, KR Scenario: Ambient air from residential area in Ulsan (n = 181; DF = 1; Sampling Period: Spring, 2009 - winter, 2010)	LOD: 0.01 - 0.12 ppb LOQ: Not Reported	18.05 ng/m ³	29.87 ng/m ³	24.39 ng/m ³ (AM)	50th: 25.26 ng/m ³ ;	5.96 ng/m ³ (ASD)
Baek et al. 2020 HERO ID: 6950643 <i>OQD:</i> Medium	Ulsan, KR Scenario: Ambient air from multi-industrial city of Ulsan (n = 181; DF = 1; Sampling Period: Spring, 2009 - winter, 2010)	LOD: 0.01 - 0.12 ppb LOQ: Not Reported	16.67 ng/m ³	18.62 ng/m ³	17.65 ng/m ³ (AM)	50th: 17.645 ng/m ³ ;	1.38 ng/m ³ (ASD)

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
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Striped Seaperch from North Central False Creek Harbor (n = 9; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	3.67 ppb (AM)	NR	8.46 ppb (ASD)
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Striped Seaperch from East Basin False Creek Harbor (n = 9; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	4.94 ppb (AM)	NR	3.12 ppb (ASD)
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Striped Seaperch from Marina South False Creek Harbor (n = 9; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	7.04 ppb (AM)	NR	8.81 ppb (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Green algae from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	11.7 ng/g	2.82 ng/g (AM)	NR	0.50 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Brown algae from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.94 ng/g (AM)	NR	0.93 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Plankton from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.07 ng/g (AM)	NR	0.68 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Blue mussels from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.80 ng/g (AM)	NR	0.19 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Pacific oysters from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.59 ng/g (AM)	NR	0.36 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Geoduck clams from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.02 ng/g (AM)	NR	0.45 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Manila clams from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.76 ng/g (AM)	NR	0.27 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Dungeness crabs (hepatopancreas) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.37 ng/g (AM)	NR	0.23 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Purple seastar (cross-section) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.19 ng/g (AM)	NR	0.11 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Juvenile shiner perch from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.54 ng/g (AM)	NR	0.25 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Pacific herring (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.41 ng/g (AM)	NR	0.07 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Pile perch (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.90 ng/g (AM)	NR	0.63 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Striped seaperch (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.47 ng/g (AM)	NR	0.34 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Pacific staghorn sculpin (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.39 ng/g (AM)	NR	0.37 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: English sole (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.35 ng/g (AM)	NR	0.25 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: White-spotted greenling (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.99 ng/g (AM)	NR	0.36 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Spiny dogfish (muscle) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.32 ng/g (AM)	NR	0.39 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
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Spiny dogfish (liver) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.95 ng/g (AM)	NR	0.28 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Spiny dogfish (embryo) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.49 ng/g (AM)	NR	0.16 ng/g (ASD)
Mackintosh et al. 2004 HERO ID: 789501 <i>OQD:</i> Low	Vancouver, British Columbia, CA Scenario: Surf scoters (liver) from 3 False Creek Harbor sampling stations (n = 9; DF = NR; Sampling Period: Jun., 1999 - Sept., 1999)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.84 ng/g (AM)	NR	0.26 ng/g (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>DnBP, MnBP</i>	Île-de-France district, FR Scenario: Liver tissue of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 4.0 pg LOQ: 2.0 ng/g	NR	NR	1496 ng/g (AM)	NR	2522 ng/g (ASD)
Valton et al. 2014 HERO ID: 2347469 <i>OQD:</i> Medium	Île-de-France district, FR Scenario: Muscle tissue of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 4.0 pg LOQ: 2.0 ng/g	NR	NR	451 ng/g (AM)	NR	275 ng/g (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Île-de-France district, FR Scenario: Plasma of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 0.5 pg LOQ: 16.0 pg/mL	NR	NR	287 ng/mL (AM)	NR	57.6 ng/mL (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Île-de-France district, FR Scenario: Bile of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 0.5 pg LOQ: 22.0 pg/mL	NR	NR	114 ng/mL (AM)	NR	11.6 ng/mL (ASD)
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Fish affected from industrial complex (n = 30; DF = 0.57; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.21 µg/kg LOQ: 0.63 µg/kg	ND	107 µg/kg	15.9 µg/kg (AM)	50th: 5.8 µg/kg;	NR
McConnell et al. 2007 HERO ID: 10365669 <i>OQD:</i> High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Green macroalgae from False Creek Harbour (n = 8; DF = 0.375; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 40.0 ng/g LOQ: 44.0 ng/g	NR	NR	NR	NR	NR
McConnell et al. 2007 HERO ID: 10365669 [‡] <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Green macroalgae from False Creek Harbour - MnBP (n = 8; DF = 0.625; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 2.6 ng/g LOQ: 4.2 ng/g	NR	NR	3.7 ng/g (AM)	NR	1.9 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
McConnell et al. 2007 HERO ID: 10365669 ‡ OQD: High MnBP	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Blue mussel from False Creek Harbour - MnBP (n = 10; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 7.9 ng/g LOQ: Not Reported	NR	NR	200 ng/g (AM)	NR	2.1 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 OQD: High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Blue mussel from False Creek Harbour (n = 10; DF = 0.7; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 3.9 ng/g LOQ: 14.0 ng/g	NR	NR	3.4 ng/g (AM)	NR	1.5 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 ‡ OQD: High MnBP	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Softshell clam from False Creek Harbour - MnBP (n = 10; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 13.0 ng/g LOQ: 21.0 ng/g	NR	NR	79 ng/g (AM)	NR	3.0 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 OQD: High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Softshell clam from False Creek Harbour (n = 10; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 2.6 ng/g LOQ: 4.2 ng/g	NR	NR	2.3 ng/g (AM)	NR	2.4 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 ‡ OQD: High MnBP	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Dungeness crab (muscle) from False Creek Harbour - MnBP (n = 13; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 3.1 ng/g LOQ: 4.2 ng/g	NR	NR	61 ng/g (AM)	NR	2.1 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 OQD: High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Dungeness crab (muscle) from False Creek Harbour (n = 13; DF = 0.69; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 2.6 ng/g LOQ: 5.2 ng/g	NR	NR	1.7 ng/g (AM)	NR	1.5 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 ‡ OQD: High MnBP	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Dungeness crab (hepatopancreas) from False Creek Harbour - MnBP (n = 13; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 13.0 ng/g LOQ: 21.0 ng/g	NR	NR	3.1 ng/g (AM)	NR	NR
McConnell et al. 2007 HERO ID: 10365669 OQD: High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Dungeness crab (hepatopancreas) from False Creek Harbour (n = 13; DF = 0.92; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 24.0 ng/g LOQ: 33.0 ng/g	NR	NR	15 ng/g (AM)	NR	NR
McConnell et al. 2007 HERO ID: 10365669 ‡ OQD: High MnBP	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Juvenile shiner Perch from False Creek Harbour - MnBP (n = 7; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 2.7 ng/g LOQ: 3.8 ng/g	NR	NR	82 ng/g (AM)	NR	2.9 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 OQD: High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Juvenile shiner Perch from False Creek Harbour (n = 7; DF = 0.57; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 26.0 ng/g LOQ: 44.0 ng/g	NR	NR	11 ng/g (AM)	NR	1.9 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
McConnell et al. 2007 HERO ID: 10365669 ‡ <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: White Spotted Greenling (muscle) from False Creek Harbour - MnBP (n = 9; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 3.1 ng/g LOQ: 3.8 ng/g	NR	NR	13 ng/g (AM)	NR	2.6 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 <i>OQD:</i> High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: White Spotted Greenling (muscle) from False Creek Harbour (n = 9; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 0.36 ng/g LOQ: 0.67 ng/g	NR	NR	2.1 ng/g (AM)	NR	1.4 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 ‡ <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Spiny dogfish (muscle) from False Creek Harbour - MnBP (n = 12; DF = 0.17; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 7.9 ng/g LOQ: 12.0 ng/g	NR	NR	ND	NR	NR
McConnell et al. 2007 HERO ID: 10365669 ‡ <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Spiny dogfish (liver) from False Creek Harbour - MnBP (n = 12; DF = 0.08; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 89.0 ng/g LOQ: 130.0 ng/g	NR	NR	ND	NR	NR
McConnell et al. 2007 HERO ID: 10365669 <i>OQD:</i> High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Spiny dogfish (liver) from False Creek Harbour (n = 12; DF = 0.17; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 800.0 ng/g LOQ: 1400.0 ng/g	NR	NR	ND	NR	NR
McConnell et al. 2007 HERO ID: 10365669 <i>OQD:</i> High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Spiny dogfish (muscle) from False Creek Harbour (n = 12; DF = 0.83; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 31.0 ng/g LOQ: 44.0 ng/g	NR	NR	29 ng/g (AM)	NR	2.6 ng/g (ASD)
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in Oreochromis niloticus (single) from Taiwan (n = 12; DF = NR; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	ND	0.67 mg/kg	0.225 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in Liza subviridis (single) from Taiwan (n = 7; DF = NR; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	ND	0.31 mg/kg	0.098 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in Acanthopagrus schlegeli (single) from Taiwan (n = 1; DF = 1; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	NR	NR	0.24 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in Zacco platypus (single) from Taiwan (n = 1; DF = 1; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	NR	NR	0.17 mg/kg (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in <i>Acrossocheilus paradoxus</i> (single) from Taiwan (n = 1; DF = 1; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	NR	NR	0.79 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in <i>Acanthopagrus schlegeli</i> (pooled) from Taiwan (n = 1; DF = 1; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	NR	NR	0.13 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in <i>Zacco platypus</i> (pooled) from Taiwan (n = 3; DF = NR; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	<LOD	0.12 mg/kg	0.06 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in <i>Acrossocheilus paradoxus</i> (pooled) from Taiwan (n = 3; DF = NR; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	<LOD	0.7 mg/kg	0.264 mg/kg (AM)	NR	NR
Blair et al. 2009 HERO ID: 787951 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Vancouver, British Columbia, CA Scenario: blue mussels from False Creek, Vancouver (n = 10; DF = 1.0; Sampling Period: May, 2004 - Sept., 2006)	LOD: 0.42 ng/g LOQ: Not Reported	75.0 ng/g	585.0 ng/g	NR	NR	NR
Blair et al. 2009 HERO ID: 787951 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Vancouver, British Columbia, CA Scenario: Dungeness crab from False Creek, Vancouver (n = 10; DF = 1.0; Sampling Period: May, 2004 - Sept., 2006)	LOD: 0.42 ng/g LOQ: Not Reported	8.66 ng/g	38.2 ng/g	NR	NR	NR
Blair et al. 2009 HERO ID: 787951 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Vancouver, British Columbia, CA Scenario: White spotted greenling from False Creek, Vancouver (n = 10; DF = 0.90; Sampling Period: May, 2004 - Sept., 2006)	LOD: 0.42 ng/g LOQ: Not Reported	60.9 ng/g	6.63 ng/g	NR	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Tilapia from fish markets in Hong Kong. (n = 10; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.64 µg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Spotted snakehead fish from fish markets in Hong Kong. (n = 10; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.53 µg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Snakehead fish from fish markets in Hong Kong. (n = 12; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.25 µg/g (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Rice field eel from fish markets in Hong Kong. (n = 14; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.95 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Mud carp from fish markets in Hong Kong. (n = 15; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.13 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Mandarin fish from fish markets in Hong Kong. (n = 3; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.13 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Grey mullet from fish markets in Hong Kong. (n = 18; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.58 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Grass carp from fish markets in Hong Kong. (n = 6; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.53 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Catfish from fish markets in Hong Kong. (n = 21; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.76 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Bighead carp from fish markets in Hong Kong. (n = 6; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.97 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Yellow seafin from fish markets in Hong Kong. (n = 1; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.57 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Yellow croaker from fish markets in Hong Kong. (n = 9; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.45 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Tongue sole from fish markets in Hong Kong. (n = 15; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.88 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Snubnose pompano from fish markets in Hong Kong. (n = 18; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	2.08 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 OQD: High	Hong Kong, HK Scenario: Orange spotted grouper from fish markets in Hong Kong. (n = 9; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.72 μg/g (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Golden threadfin bream from fish markets in Hong Kong. (n = 9; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	1.65 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Goldspotted rabbitfish from fish markets in Hong Kong. (n = 15; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.75 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Bleeker's grouper from fish markets in Hong Kong. (n = 36; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.83 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Bigeye from fish markets in Hong Kong. (n = 10; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.43 μg/g (AM)	NR	NR
Cheng et al. 2013 HERO ID: 1600107 <i>OQD:</i> High	Hong Kong, HK Scenario: Bartail flathead from fish markets in Hong Kong. (n = 33; DF = NR; Sampling Period: May, 2009 - Nov., 2009)	LOD: Not Reported LOQ: 5.0 ng/g	NR	NR	0.88 μg/g (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Roinville, FR Scenario: Fish from Orge River at Roinville (n = 7; DF = NR; Sampling Period: Sept., 2008)	LOD: 2.2 pg/L LOQ: Not Reported	NR	NR	92.0 ng/g (AM)	NR	165.0 ng/g (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Viry-Chatillon, FR Scenario: Fish from Orge River at Viry-Chatillon (n = 8; DF = NR; Sampling Period: Oct., 2009)	LOD: 2.2 pg/L LOQ: Not Reported	NR	NR	477.0 ng/g (AM)	NR	272.0 ng/g (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Marnay-sur-Seine, FR Scenario: Fish from Seine River at Marnay-sur-Seine (n = 8; DF = NR; Sampling Period: Aug., 2009)	LOD: 2.2 pg/L LOQ: Not Reported	NR	NR	185.0 ng/g (AM)	NR	359.0 ng/g (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Epinay-sur-Seine, FR Scenario: Fish from Seine River at Epinay-sur-Seine (n = 9; DF = NR; Sampling Period: Aug., 2008)	LOD: 2.2 pg/L LOQ: Not Reported	NR	NR	210.0 ng/g (AM)	NR	208.0 ng/g (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Triel-sur-Seine, FR Scenario: Fish from Seine River at Triel-sur-Seine (n = 12; DF = NR; Sampling Period: Nov., 2009)	LOD: 2.2 pg/L LOQ: Not Reported	NR	NR	1110.0 ng/g (AM)	NR	573.0 ng/g (ASD)

‡ Data extraction results are for metabolite concentrations.

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
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Vegetables from 19 greenhouses in Gu Li village (n = 19; DF = 1.0; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	163 $\mu\text{g/kg}$ (AM)	NR	10 $\mu\text{g/kg}$ (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Vegetables from 15 greenhouses in Hu Shu village (n = 15; DF = 1.0; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	1387 $\mu\text{g/kg}$ (AM)	NR	15 $\mu\text{g/kg}$ (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Vegetables from 18 greenhouses in Planck farm (n = 18; DF = 1.0; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	207 $\mu\text{g/kg}$ (AM)	NR	15 $\mu\text{g/kg}$ (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Vegetables from 9 greenhouses in Suo Shi village (n = 9; DF = 1.0; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	1187 $\mu\text{g/kg}$ (AM)	NR	15 $\mu\text{g/kg}$ (ASD)
Sun et al. 2016 HERO ID: 3455519 <i>OQD:</i> Medium	Jiangsu Province; Shanghai Municipality, CN Scenario: Cabbage from agriculture soils in Eastern China (n = 26; DF = 0.42; Sampling Period: Nov., 2014)	LOD: 0.20–0.40 ng/g LOQ: Not Reported	ND	720 ng/g	99.6 ng/g (AM)	NR	178 ng/g (ASD)
Wu et al. 2019 HERO ID: 5433502 <i>OQD:</i> High	Yuyao City, Zhejiang Province, CN Scenario: Vegetable samples from downwind of a plastic market (n = 21; DF = 1.0; Sampling Period: May, 2017)	LOD: Not Reported LOQ: 3.8 ng/g	337 ng/g	2896 ng/g	1518 ng/g (AM)	50th: 1918 ng/g;	NR
Wei et al. 2020 HERO ID: 6816706 <i>OQD:</i> Medium	Anhui, Jiangsu, Shanghai, and Zhejiang Provinces, Yangtze River Delta, CN Scenario: Vegetables grown in agricultural area of China (n = 228; DF = 0.87; Sampling Period: Oct., 2018)	LOD: 0.1 ng/g LOQ: Not Reported	ND	1300 ng/g	67.1 ng/g (AM)	50th: 30.5 ng/g;	NR
FDA et al. 1995 HERO ID: 659041 <i>OQD:</i> Medium	Across all of US, US Scenario: Ready-to-eat flour tortilla from ten-year study (n = 37; DF = 0.03; Sampling Period: 1982 - 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	42.50 $\mu\text{g/g}$ (AM)	NR	NR
Cirillo et al. 2011 HERO ID: 788145 <i>OQD:</i> High	Naples, IT Scenario: Cereals and legumes at the catering firm before processing (n = Not Reported; DF = 0.72; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	7.5 ng/g	152.4 ng/g	50.5 ng/g (AM)	50th: 25.7 ng/g;	50.0 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 <i>OQD:</i> High	Naples, IT Scenario: Meat based foodstuffs at the catering firm before processing (n = Not Reported; DF = 0.85; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	7.5 ng/g	147.0 ng/g	52.2 ng/g (AM)	50th: 43.6 ng/g;	43.5 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
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Fish based foodstuffs at the catering firm before processing (n = Not Reported; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	23.8 ng/g	180.0 ng/g	81.1 ng/g (AM)	50th: 60.4 ng/g;	70.5 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Dairy foodstuffs at the catering firm before processing (n = Not Reported; DF = 0.67; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	7.5 ng/g	63.2 ng/g	32.2 ng/g (AM)	50th: 26.0 ng/g;	28.4 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Vegetables at the catering firm before processing (n = Not Reported; DF = 0.60; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	7.5 ng/g	173.2 ng/g	38.1 ng/g (AM)	50th: 20.2 ng/g;	46.2 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Condiments at the catering firm before processing (n = Not Reported; DF = 0.45; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	7.5 ng/g	19.2 ng/g	10.2 ng/g (AM)	50th: 7.5 ng/g;	4.0 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Fresh fruit at the catering firm (n = 20; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	30.0 ng/g	75.0 ng/g	57.0 ng/g (AM)	50th: 66.0 ng/g;	23.8 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Bread rolls at the catering firm (n = 20; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	93.0 ng/g	232.0 ng/g	142.8 ng/g (AM)	50th: 101.0 ng/g;	78.0 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: First course, cooked food, before packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	16.4 ng/g	165.4 ng/g	65.4 ng/g (AM)	50th: 59.5 ng/g;	40.6 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Second course, cooked food, before packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	19.8 ng/g	112.5 ng/g	51.9 ng/g (AM)	50th: 33.1 ng/g;	35.5 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Vegetables, cooked food, before packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	11.0 ng/g	91.0 ng/g	42.1 ng/g (AM)	50th: 32.5 ng/g;	27.4 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: First course, cooked food, after packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	19.9 ng/g	775.0 ng/g	169.3 ng/g (AM)	50th: 80.5 ng/g;	217.7 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Second course, cooked food, after packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	18.3 ng/g	336.8 ng/g	86.8 ng/g (AM)	50th: 44.1 ng/g;	93.4 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
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Vegetables, cooked food, after packaging (n = 60; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	18.3 ng/g	236.1 ng/g	92.9 ng/g (AM)	50th: 68.8 ng/g;	82.5 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Nursery school cooked meals, before packaging (n = Not Reported; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	36.4 ng/g	79.4 ng/g	50.3 ng/g (AM)	NR	11.5 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Nursery school cooked meals, after packaging (n = Not Reported; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	41.4 ng/g	272.8 ng/g	91.2 ng/g (AM)	NR	71.6 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Primary school cooked meals, before packaging (n = Not Reported; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	38.4 ng/g	81.5 ng/g	53.9 ng/g (AM)	NR	11.0 ng/g (ASD)
Cirillo et al. 2011 HERO ID: 788145 OQD: High	Naples, IT Scenario: Primary school cooked meals, after packaging (n = Not Reported; DF = 1; Sampling Period: Feb., 2010 - May, 2010)	LOD: 7.5 ng/g LOQ: 22.5 ng/g	45.4 ng/g	243.4 ng/g	86.8 ng/g (AM)	NR	57.3 ng/g (ASD)
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Pasteurised milk from industry cooling tank in Belgium (n = 3; DF = NR; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15 µg/kg	ND	<LOQ	NR	50th: ND;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk powder pre-filling from industry in Belgium (n = 3; DF = NR; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15 µg/kg	24 µg/kg	35 µg/kg	NR	50th: 28 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk powder after filling can from industry in Belgium (n = 3; DF = 1; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15 µg/kg	50 µg/kg	54 µg/kg	NR	50th: 52 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk powder after filling pouch from industry in Belgium (n = 3; DF = 1; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15 µg/kg	57 µg/kg	64 µg/kg	NR	50th: 60 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk powder in can from retail in Belgium (n = 3; DF = 1; Sampling Period: Feb., 2011)	LOD: Not Reported LOQ: 15 µg/kg	51 µg/kg	58 µg/kg	NR	50th: 53 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk powder in pouch from retail in Belgium (n = 3; DF = 1; Sampling Period: Feb., 2011)	LOD: Not Reported LOQ: 15 µg/kg	54 µg/kg	98 µg/kg	NR	50th: 56 µg/kg;	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
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Milk (Tetra Brik) from retail in Belgium (n = 5; DF = 1; Sampling Period: Mar., 2010 - Sept., 2010)	LOD: Not Reported LOQ: 15 µg/kg	<LOQ	34 µg/kg	NR	50th: <LOQ;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Fully mature cheese from retail in Belgium (n = 2; DF = 1; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15 µg/kg	<LOQ	<15 ug/kg	NR	50th: <LOQ;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: New cheese from retail in Belgium (n = 1; DF = 1; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15 µg/kg	NR	NR	NR	50th: <LOQ;	NR
Fierens et al. 2013 HERO ID: 1332529 OQD: Medium	BE Scenario: Semi-mature cheese from retail in Belgium (n = 1; DF = 1; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15 µg/kg	NR	NR	NR	50th: <LOQ;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Snacks from market basket in Oslo (n = 2; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5-12 µg/kg	ND	7.1 µg/kg	NR	50th: 3.6 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Ready to eat foods from market basket in Oslo (n = 2; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5-12 µg/kg	2.9 µg/kg	4.2 µg/kg	NR	50th: 3.6 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Milk and dairy products from market basket in Oslo (n = 4; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.015 - 12 µg/kg	ND	31 µg/kg	NR	50th: ND;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Meat and meat products from market basket in Oslo (n = 8; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 1.5 - 12 µg/kg	ND	5.8 µg/kg	NR	50th: 0.55 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Beverages from market basket in Oslo (n = 4; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.015 µg/kg	0.34 µg/kg	0.95 µg/kg	NR	50th: 0.41 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Condiments from market basket in Oslo (n = 3; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5-12 µg/kg	ND	1.2 µg/kg	NR	50th: 0.6 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Fruits and vegetables from market basket in Oslo (n = 2; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 µg/kg	ND	0.92 µg/kg	NR	50th: 0.46 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 OQD: Medium	Oslo, Norway, NO Scenario: Grain and grain products from market basket in Oslo (n = 5; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 µg/kg	1.3 µg/kg	16 µg/kg	NR	50th: 3 µg/kg;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Fish and fish products from market basket in Oslo (n = 6; DF = 0.62; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 1.5 - 12 $\mu\text{g/kg}$	ND	12 $\mu\text{g/kg}$	NR	50th: 0.78 $\mu\text{g/kg}$;	NR

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
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Changzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Changzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	94 ng/L (AM)	NR	7.6 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Changzhou, Yangtze River Delta, China, CN Scenario: Tap water from Changzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	88 ng/L (AM)	NR	7 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Suzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks from Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	470 ng/L (AM)	NR	8.7 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Suzhou, Yangtze River Delta, China, CN Scenario: Tap water from Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	930 ng/L (AM)	NR	9.5 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Wuxi, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	320 ng/L (AM)	NR	18 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Wuxi, Yangtze River Delta, China, CN Scenario: Tap water from Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	420 ng/L (AM)	NR	14 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Xuzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Xuzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	2.9 ng/L (AM)	NR	0.8 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Xuzhou, Yangtze River Delta, China, CN Scenario: Tap water from Xuzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	1.1 ng/L (AM)	NR	0.1 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Yancheng, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	22 ng/L (AM)	NR	1.4 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Yancheng, Yangtze River Delta, China, CN Scenario: Tap water from Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	70 ng/L (AM)	NR	8.4 ng/L (ASD)
Roy F. Weston Inc et al. 1980 HERO ID: 1333014 <i>OQD:</i> Medium	Philidelphia, Pennsylvania, US Scenario: Drinking water from City of Philadelphia, upstream of chemical facility (n = 2; DF = 0.5; Sampling Period: Apr., 1979 - Dec., 1979)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.1 µg/L; — µg/L]				
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	Multiple regions of France, FR Scenario: Bottled natural mineral water from France (n = 24; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 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
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	Luxembourg, LU Scenario: Bottled natural mineral water from Luxembourg (n = 1; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 ng/L	NR	NR	<LOQ	NR	NR
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	Multiple regions of France, FR Scenario: Packaged Spring Water from France (n = 12; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 ng/L	NR	NR	<LOQ	NR	NR
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	New Caledonia, NC Scenario: Packaged Spring Water from New Caledonia (n = 1; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 ng/L	NR	NR	<LOQ	NR	NR
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	New Caledonia, NC Scenario: Packaged Spring Water from Italy (n = 1; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 ng/L	NR	NR	<LOQ	NR	NR
Le Coadou et al. 2017 HERO ID: 3864659 <i>OQD:</i> High	Reunion Island, RE Scenario: Packaged Spring Water from Reunion Island (n = 1; DF = 0; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: Not Reported LOQ: 15.0 ng/L	NR	NR	<LOQ	NR	NR
Sulentic et al. 2018 HERO ID: 5043505 <i>OQD:</i> Medium	Cluj-Napoca, RO Scenario: Kitchen tap drinking water from homes (n = 10; DF = 0; Sampling Period: Jun., 2017 - Jul., 2017)	LOD: 0.015 µg/L LOQ: Not Reported	NR	NR	NR	25th: ND; 50th: ND; 75th: ND;	NR
Sulentic et al. 2018 HERO ID: 5043505 <i>OQD:</i> Medium	Cluj-Napoca, RO Scenario: Gas and still bottled water (n = 16; DF = NR; Sampling Period: Jun., 2017 - Jul., 2017)	LOD: 0.015 µg/L LOQ: Not Reported	NR	NR	NR	25th: ND; 50th: 3.23 µg/L; 75th: 6.15 µg/L;	NR
Loraine et al. 2006 HERO ID: 5743010 <i>OQD:</i> Medium	San Diego County, CA, US Scenario: 4 WFP intake (raw water) (n = 13; DF = 0.31; Sampling Period: Aug., 2001 - Jun., 2002)	LOD: 1.35 µg/L LOQ: Not Reported	1.44 µg/L	8.34 µg/L	5.00 µg/L (AM)	NR	NR
Loraine et al. 2006 HERO ID: 5743010 <i>OQD:</i> Medium	San Diego County, CA, US Scenario: 3 WFP effluent (finished drinking water) (n = 15; DF = 0.07; Sampling Period: Aug., 2001 - Jun., 2002)	LOD: 1.35 µg/L LOQ: Not Reported	NR	NR	2.73 µg/L (AM)	NR	NR
Bach et al. 2020 HERO ID: 6957772 <i>OQD:</i> High	France, FR Scenario: Raw water for public water system (source: surface water) (n = 114; DF = 0.004; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	768 ng/L	768 ng/L (AM)	NR	NR
Bach et al. 2020 HERO ID: 6957772 <i>OQD:</i> High	France, FR Scenario: Raw water for public water system (source: groundwater) (n = 157; DF = 0.004; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	<LOQ	<LOQ	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bach et al. 2020 HERO ID: 6957772 <i>OQD:</i> High	France, FR Scenario: Treated drinking water in public water system (source: surface water) (n = 89; DF = 0.012; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	951 ng/L	951 ng/L (AM)	NR	NR
Bach et al. 2020 HERO ID: 6957772 <i>OQD:</i> High	France, FR Scenario: Treated drinking water in public water system (source: groundwater) (n = 166; DF = 0.012; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	1340 ng/L	1340 ng/L (AM)	NR	NR
Blanchard et al. 2013 HERO ID: 1315297 <i>OQD:</i> High	Paris, FR Scenario: Plain spring water and plain mineral water (n = 11; DF = NR; Sampling Period: 2008)	LOD: Not Reported LOQ: 2.0 ng/L	NR	NR	125.078 ng/L (AM)	NR	44.9 ng/L (ASD)
Blanchard et al. 2013 HERO ID: 1315297 <i>OQD:</i> High	Paris, FR Scenario: sparkling mineral water (n = 4; DF = NR; Sampling Period: 2008)	LOD: Not Reported LOQ: 2.0 ng/L	NR	NR	94.076 ng/L (AM)	NR	31.002 ng/L (ASD)
Blanchard et al. 2013 HERO ID: 1315297 <i>OQD:</i> High	Paris, FR Scenario: tap water (n = 3; DF = NR; Sampling Period: 2008)	LOD: Not Reported LOQ: 2.0 ng/L	NR	NR	44.9 ng/L (AM)	NR	5.88 ng/L (ASD)
Domínguez-Morueco et al. 2014 HERO ID: 2510737 <i>OQD:</i> High	Madrid, ES Scenario: Drinking water from the tap of private residences in Madrid, Spain. (n = 7; DF = 1; Sampling Period: Dec., 2012)	LOD: 230.0 ng/L LOQ: 687.0 ng/L	NR	NR	633.0 ng/L (AM)	NR	255.0 ng/L (ASD)
Yang et al. 2014 HERO ID: 2816161 <i>OQD:</i> High	Northern Taiwan, TW Scenario: Drinking water from tap water pipeline (n = 2; DF = 0.5; Sampling Period: Jul., 2011)	LOD: Not Reported LOQ: 1.0 ng/L	NR	NR	40.0 ng/L (AM)	NR	NR
Yang et al. 2014 HERO ID: 2816161 <i>OQD:</i> High	Northern Taiwan, TW Scenario: Water samples from drinking fountains (n = 10; DF = 0.8; Sampling Period: Jul., 2011)	LOD: Not Reported LOQ: 1.0 ng/L	NR	NR	7.0 ng/L (AM)	NR	NR
Yang et al. 2014 HERO ID: 2816161 <i>OQD:</i> High	Northern Taiwan, TW Scenario: Drinking water samples from water storage tanks (n = 10; DF = 0.8; Sampling Period: Jul., 2011)	LOD: Not Reported LOQ: 1.0 ng/L	NR	NR	41.0 ng/L (AM)	NR	NR

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
Rudel et al. 2001 HERO ID: 198234 <i>OQD:</i> High	Massachusetts, US Scenario: Indoor dust from residential and office areas - DBP (n = 6; DF = 1.00; Sampling Period: 2001)	LOD: Not Reported LOQ: 0.125 µg	11.1 µg/g	59.4 µg/g	27.4 µg/g (AM)	NR	17.2 µg/g (ASD)
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor dust in 10 homes (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	17 µg/g	260 µg/g	130 µg/g (AM)	50th: 130 µg/g;	NR
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor dust in 10 day cares (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	38 µg/g	560 µg/g	190 µg/g (AM)	50th: 150 µg/g;	NR
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor dust in 10 workplaces (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	20 µg/g	450 µg/g	150 µg/g (AM)	50th: 100 µg/g;	NR
Kubwabo et al. 2013 HERO ID: 1588869 <i>OQD:</i> High	Not reported, CA Scenario: Household vacuum dust from Canadian homes (n = 126; DF = 0.99; Sampling Period: Winter, 2013)	LOD: 0.30 µg/g LOQ: 0.98 µg/g	<LOD	1392 µg/g	NR	50th: 16.8 µg/g;	NR
Zhang et al. 2013 HERO ID: 1598628 <i>OQD:</i> High	Nanjing, CN Scenario: Indoor dust from 215 urban houses (n = 215; DF = 0.98; Sampling Period: Mar., 2011 - Jun., 2011)	LOD: 1.8 ng/g LOQ: Not Reported	ND	2150 µg/g	52.3 µg/g (AM); 16.4 µg/g (GM)	50th: 23.7 µg/g; 95th: 176 µg/g;	0.005 µg/g (GSD)
Xu et al. 2015 HERO ID: 2347161 <i>OQD:</i> High	Austin, Texas; central Pennsylvania, US Scenario: DBP in HVAC filter dust from 14 retail stores (n = 14; DF = 0.67; Sampling Period: 2013)	LOD: 0.19 µg/g LOQ: Not Reported	<LOD	961 µg/g	213 µg/g (AM)	10th: <LOD; 25th: <LOD; 50th: 86 µg/g; 75th: 352 µg/g; 90th: 603 µg/g;	267 µg/g (ASD)
Dodson et al. 2015 HERO ID: 2816371 <i>OQD:</i> Medium	Richmond and Bolinas, California, US Scenario: Indoor dust from nonsmoking homes (n = 49; DF = 0.98; Sampling Period: 2006)	LOD: 0.9 µg/g LOQ: Not Reported	- µg/g	56 µg/g	NR	50th: 11 µg/g; 95th: 35 µg/g;	NR
Philippat et al. 2015 HERO ID: 2914664 <i>OQD:</i> Medium	CA, US Scenario: Dust from carpeting in homes (n = 145; DF = .99; Sampling Period: 2010 - 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	5th: 2.71 µg/g; 25th: 5.91 µg/g; 50th: 10.3 µg/g; 75th: 17.9 µg/g; 95th: 36.8 µg/g;	NR
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Silver Spring, MD, US Scenario: Childcare facilities dust Silver Spring, MD -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [3.10 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Waco, TX, US Scenario: Childcare facilities dust Waco, Texas -DBP (n = 3; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [18.3 µg/g; 7.20 µg/g; 2.76 µg/g]				

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Murray, KY, US Scenario: Childcare facilities dust Murray, Kentucky -DBP (n = 4; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [11.8 µg/g; 6.34 µg/g; 3.09 µg/g; 25.7 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	West Lafayette, IN, US Scenario: Childcare facilities dust West Lafayette, Indiana -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [2.42 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Hubbard, OH, US Scenario: Childcare facilities dust Hubbard, Ohio -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [4.08 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Brookings, SD, US Scenario: Childcare facilities dust Brookings, South Dakota -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [15.4 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	El Cerrito, CA, US Scenario: Childcare facilities dust El Cerrito, California -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [8.20 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Medway, MA, US Scenario: Homes dust Medway, Massachusetts -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [1.55 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Silver Spring, MD, US Scenario: Homes dust Silver Spring, Maryland -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [0.14 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Murray, KY, US Scenario: Homes dust Murray, Kentucky -DBP (n = 4; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [0.73 µg/g; 2.24 µg/g; 11.3 µg/g; 2.50 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Waco, TX, US Scenario: Homes dust Waco, Texas -DBP (n = 2; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [4.74 µg/g; 5.40 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	San Diego, CA, US Scenario: Homes dust San Diego, California -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [3.54 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	El Cerrito, CA, US Scenario: Homes dust El Cerrito, California -DBP (n = 2; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [8.46 µg/g; 5.23 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Murray, KY, US Scenario: Salons dust Murray, Kentucky -DBP (n = 3; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [3.75 µg/g; 8.92 µg/g; 3.51 µg/g]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Lafayette, IN, US Scenario: Salons dust Lafayette, Indiana -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [150 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Waco, TX, US Scenario: Salons dust Waco, Texas -DBP (n = 1; DF = 1; Sampling Period: Sept., 2016 - Oct., 2016)	LOD: 0.140 - 278 ng/mL LOQ: 0.460 - 926 ng/mL	POINT VALUE(S): [16.1 µg/g]				
Velázquez-Gómez et al. 2019 HERO ID: 5043338 <i>OQD:</i> Medium	Barcelona, ES Scenario: Settled indoor dust from 11 homes (n = 11; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	383 ng/g	24234 ng/g	NR	50th: 6726 ng/g;	NR
Velázquez-Gómez et al. 2019 HERO ID: 5043338 <i>OQD:</i> Medium	Barcelona, ES Scenario: Settled indoor dust from 4 museums (n = 6; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	1832 ng/g	25037 ng/g	NR	50th: 6298 ng/g;	NR
Velázquez-Gómez et al. 2019 HERO ID: 5043338 <i>OQD:</i> Medium	Barcelona, ES Scenario: Settled indoor dust from 14 cars (n = 14; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	960 ng/g	16752 ng/g	NR	50th: 4443 ng/g;	NR
Velázquez-Gómez et al. 2019 HERO ID: 5043338 <i>OQD:</i> Medium	Barcelona, ES Scenario: Settled indoor dust from 17 public libraries (n = 21; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	4076 ng/g	55027 ng/g	NR	50th: 12869 ng/g;	NR
Velázquez-Gómez et al. 2019 HERO ID: 5043338 <i>OQD:</i> Medium	Barcelona, ES Scenario: Settled indoor dust from 6 high schools (n = 6; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	4524 ng/g	23874 ng/g	NR	50th: 14716 ng/g;	NR
Hammel et al. 2019 HERO ID: 5532853 <i>OQD:</i> High	Durham, North Carolina, US Scenario: Dust from playrooms and living rooms of homes with 3-6 year-old children (n = 188; DF = 0.99; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 210 ng/g LOQ: Not Reported	ND	NR	NR	50th: 9634 ng/g; 95th: 72532 ng/g;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Indoor dust from bedrooms in Southern Taiwan (n = 47; DF = 0.55; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 µg/g LOQ: Not Reported	ND	745.3 µg/g	NR	50th: 7.0 µg/g;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Indoor dust from elementary school in Southern Taiwan (n = 53; DF = 0.89; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 µg/g LOQ: Not Reported	ND	444.2 µg/g	NR	50th: 7.9 µg/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Indoor dust from kindergarten in Southern Taiwan (n = 72; DF = 0.7; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 µg/g LOQ: Not Reported	ND	1410.1 µg/g	NR	50th: 9.2 µg/g;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Indoor dust from home in Southern Taiwan (n = 122; DF = 0.89; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 µg/g LOQ: Not Reported	ND	754.3 µg/g	NR	50th: 4.9 µg/g;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Indoor dust from living rooms in Southern Taiwan (n = 75; DF = 0.88; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 µg/g LOQ: Not Reported	ND	205.3 µg/g	NR	50th: 4.2 µg/g;	NR
Başaran et al. 2020 HERO ID: 6813710 <i>OQD:</i> Medium	Kocaeli Province, TR Scenario: Indoor dust from homes (n = 90; DF = 1; Sampling Period: Feb., 2016 - Apr., 2016)	LOD: Not Reported LOQ: 0.002 ng/g	0.68 µg/g	169.33 µg/g	44.24 µg/g (AM)	50th: 30.44 µg/g;	46.97 µg/g (ASD)
Kanazawa et al. 2010 HERO ID: 697390 <i>OQD:</i> Medium	Sapporo, JP Scenario: Dust from multi-surfaces of residential detached homes (n = 41; DF = 1.0; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 3.5 mg/kg LOQ: Not Reported	5.1 mg/kg	549 mg/kg	NR	50th: 22.3 mg/kg;	NR
Kanazawa et al. 2010 HERO ID: 697390 <i>OQD:</i> Medium	Sapporo, JP Scenario: Dust from floor of residential detached homes (n = 41; DF = 0.976; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 3.5 mg/kg LOQ: Not Reported	1.8 mg/kg	1476 mg/kg	NR	50th: 19.8 mg/kg;	NR
Orecchio et al. 2013 HERO ID: 1936014 <i>OQD:</i> Medium	Palermo, Italy, IT Scenario: Indoor dust in Palermo, Italy (n = 14; DF = 1.0; Sampling Period: 2013)	LOD: Not Reported LOQ: 9.0 µg/kg	NR	NR	799 mg/kg (AM)	NR	NR
Fromme et al. 2013 HERO ID: 2215411 <i>OQD:</i> Medium	Bavaria, Berlin, and North Rhine-Westfalia, DE Scenario: Dust samples from German daycare centers (n = 63; DF = 1.0; Sampling Period: Nov., 2011 - May, 2012)	LOD: 1 mg/kg LOQ: Not Reported	2 mg/kg	266 mg/kg	30 mg/kg (AM)	50th: 21 mg/kg; 95th: 95 mg/kg;	NR
Shin et al. 2014 HERO ID: 2215665 <i>OQD:</i> High	Northern California, Southeast Pennsylvania, Northeast Maryland, US Scenario: Dust from the living rooms of homes (n = 30; DF = 1.0; Sampling Period: 2009 - 2010)	LOD: 0.012 µg/g LOQ: Not Reported	NR	67.9 µg/g	10.1 µg/g (AM)	50th: 8.1 µg/g;	12 µg/g (ASD)
Mercier et al. 2014 HERO ID: 2298081 <i>OQD:</i> High	FR Scenario: Dust samples from French dwellings. (n = 7; DF = 1.0; Sampling Period: 2014)	LOD: 526 ng/g LOQ: 1580.0 ng/g	Sample 1: 20000 ng/g ; Sample 2: 6690 ng/g ; Sample 3: 6110 ng/g ; Sample 4: 11900 ng/g ; Sample 5: 14200 ng/g ; Sample 6: 5690 ng/g ; Sample 7: 9070 ng/g				
Ait Bamai et al. 2014 HERO ID: 2345943 <i>OQD:</i> High	Sapporo; Fukushima; Nagoya; Osaka; Okayama; Fukuoka, JP Scenario: Dust from floors in homes in Japan (n = 148; DF = 0.973; Sampling Period: Sept., 2006 - Dec., 2006)	LOD: 3.5 µg/g LOQ: Not Reported	<LOD	2100 µg/g	NR	25th: 10.5 µg/g; 50th: 19.3 µg/g; 75th: 51.2 µg/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ait Bamai et al. 2014 HERO ID: 2345943 <i>OQD:</i> High	Sapporo; Fukushima; Nagoya; Osaka; Okayama; Fukuoka, JP Scenario: Dust from multi-surfaces in homes in Japan (n = 120; DF = 0.992; Sampling Period: Sept., 2006 - Dec., 2006)	LOD: 3.5 µg/g LOQ: Not Reported	<LOD	3640 µg/g	NR	25th: 10.3 µg/g; 50th: 20.6 µg/g; 75th: 40.8 µg/g;	NR
Takeuchi et al. 2015 HERO ID: 3005686 <i>OQD:</i> Medium	11 prefectures, JP Scenario: Indoor dust from 19 suburban living rooms (n = 19; DF = 1.0; Sampling Period: Oct., 2013 - Jan., 2014)	LOD: Not Reported LOQ: Not Reported	NR	120 µg/g	NR	50th: 30 µg/g;	NR
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of apartments in Dover, Delaware. (n = 7; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	9.2 mg/kg	99 mg/kg	36 mg/kg (AM)	50th: 12 mg/kg;	36 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of houses in Dover, Delaware. (n = 10; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	5.4 mg/kg	204 mg/kg	43 mg/kg (AM)	50th: 24 mg/kg;	59 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of house garages in Dover, Delaware. (n = 3; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	4.4 mg/kg	7.3 mg/kg	6.3 mg/kg (AM)	50th: 6.3 mg/kg;	1.3 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of student dormitories in Dover, Delaware. (n = 5; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	110 mg/kg	2151 mg/kg	829 mg/kg (AM)	50th: 360 mg/kg;	886 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of gyms in Dover, Delaware. (n = 3; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	17 mg/kg	87 mg/kg	45 mg/kg (AM)	50th: 31 mg/kg;	37 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of offices in Dover, Delaware. (n = 7; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	17 mg/kg	2300 mg/kg	786 mg/kg (AM)	50th: 110 mg/kg;	963 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of commercial stores in Dover, Delaware. (n = 4; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	5 mg/kg	42 mg/kg	22 mg/kg (AM)	50th: 20 mg/kg;	16 mg/kg (ASD)
Bi et al. 2015 HERO ID: 3019857 <i>OQD:</i> High	Dover, Delaware, US Scenario: Dust from indoor floors of daycare centers in Dover, Delaware. (n = 5; DF = 1.0; Sampling Period: Mar., 2013)	LOD: 0.023 mg/kg LOQ: 0.078 mg/kg	8.8 mg/kg	321 mg/kg	77 mg/kg (AM)	50th: 20 mg/kg;	137 mg/kg (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kim et al. 2017 HERO ID: 4178500 <i>OQD:</i> Medium	Pusan region; Daegu region, KR Scenario: Floor surface dust of Kindergarten classrooms (n = 6; DF = 1.0; Sampling Period: Aug., 2014)	LOD: <2 µg LOQ: Not Reported	45 µg/g	75 µg/g	61 µg/g (AM)	NR	NR
Kim et al. 2017 HERO ID: 4178500 <i>OQD:</i> Medium	Pusan region; Daegu region, KR Scenario: Floor surface dust of home living rooms (n = 14; DF = 1.0; Sampling Period: Aug., 2013 - Apr., 2014)	LOD: <2 µg LOQ: Not Reported	20 µg/g	58 µg/g	31 µg/g (AM)	NR	NR
Kishi et al. 2018 HERO ID: 4728476 <i>OQD:</i> High	Sapporo, JP Scenario: Dust from multiple surfaces in homes (n = 128; DF = 0.977; Sampling Period: Oct., 2009 - Nov., 2010)	LOD: 2.0 µg/m ³ LOQ: Not Reported	NR	1380 µg/m ³	NR	25th: 17.2 µg/m ³ ; 50th: 34.0 µg/m ³ ; 75th: 75.2 µg/m ³ ;	NR
Kishi et al. 2018 HERO ID: 4728476 <i>OQD:</i> High	Sapporo, JP Scenario: Dust from floors in homes (n = 128; DF = 0.953; Sampling Period: Oct., 2009 - Nov., 2010)	LOD: 2.0 µg/m ³ LOQ: Not Reported	NR	1670 µg/m ³	NR	25th: 7.5 µg/m ³ ; 50th: 16.6 µg/m ³ ; 75th: 32.4 µg/m ³ ;	NR
Ait Bamai et al. 2018 HERO ID: 4829235 <i>OQD:</i> Medium	Hokaido, JP Scenario: Dust from living room floor surfaces (n = 296; DF = 0.995; Sampling Period: Mar., 2013)	LOD: Not Reported LOQ: 0.46 µg/g	2.22 µg/g	1084.23 µg/g	NR	25th: 26.66 µg/g; 50th: 47.45 µg/g; 75th: 89.35 µg/g;	NR
Bi et al. 2018 HERO ID: 5043341 <i>OQD:</i> High	Central Texas, US Scenario: HVAC filter dust from homes in central Texas (n = 91; DF = 0.52; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 0.77 µg/g LOQ: Not Reported	<LOD	6200 µg/g	133 µg/g (AM)	50th: 1.60 µg/g;	654 µg/g (ASD)
Bi et al. 2018 HERO ID: 5043341 <i>OQD:</i> High	Central Texas, US Scenario: Settled dust from homes in central Texas (n = 92; DF = 0.3; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 0.77 µg/g LOQ: Not Reported	<LOD	950 µg/g	115 µg/g (AM)	50th: <LOD;	228 µg/g (ASD)
Kweon et al. 2018 HERO ID: 5043550 <i>OQD:</i> High	Seoul; Kyung-gi Province, KR Scenario: Dust from residential homes (n = 42; DF = 0.98; Sampling Period: 2017)	LOD: 0.2 µg/g LOQ: Not Reported	<LOD	190.7 µg/g	34.6 µg/g (AM)	50th: 18.3 µg/g;	NR
Giovanoulis et al. 2019 HERO ID: 5412073 <i>OQD:</i> High	Stockholm, SE Scenario: Dust from 20 preschools (n = 20; DF = 1.0; Sampling Period: Jan., 2018 - Feb., 2018)	LOD: 0.02 µg/g LOQ: Not Reported	NR	NR	NR	50th: 13.1 µg/g; 95th: 527 µg/g;	NR
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE Scenario: House dust from 62 apartments (n = 62; DF = 1.0; Sampling Period: 2008)	LOD: 0.43 µg/g LOQ: Not Reported	10 µg/g	5945 µg/g	NR	25th: 53 µg/g; 50th: 103 µg/g; 75th: 206 µg/g;	NR
Dodson et al. 2017 HERO ID: 5755270 <i>OQD:</i> High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, POST-occupancy (n = 27; DF = 0.93; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 1 µg/ft ² LOQ: 1.0 µg/ft ²	ND	14 µg/ft ²	2.5 µg/ft ² (GM)	50th: 2.5 µg/ft ² ; 95th: 8.5 µg/ft ² ;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Dodson et al. 2017 HERO ID: 5755270 <i>OQD:</i> High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, PRE-occupancy (n = 10; DF = 0.7; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 1 µg/ft ² LOQ: 1.0 µg/ft ²	ND	2.9 µg/ft ²	1.5 µg/ft ² (GM)	50th: 1.6 µg/ft ² ; 95th: 2.8 µg/ft ² ;	NR
Shin et al. 2019 HERO ID: 6968217 <i>OQD:</i> Medium	Northern California, US Scenario: Living room dust from 38 homes (n = 38; DF = 1.0; Sampling Period: May, 2015 - Aug., 2016)	LOD: 100 ng/g LOQ: Not Reported	640 ng/g	NR	NR	25th: 3844 ng/g; 50th: 4974 ng/g; 75th: 6064 ng/g; 95th: 15983 ng/g;	1.54 ng/g (CV)

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
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Xuzhou, Yangtze River Delta, China, CN Scenario: Source groundwater for Xuzhou (n = 3; DF = 1.0; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	35 ng/L (AM)	NR	5.5 ng/L (ASD)
Hutchins et al. 1984 HERO ID: 1316091 <i>OQD:</i> Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.4 down-gradient of infiltration basin (n = 3; DF = 0; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Hutchins et al. 1984 HERO ID: 1316091 <i>OQD:</i> Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.5 down-gradient of infiltration basin (n = 3; DF = 0; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Westinghouse Savannah River Company et al. 1997 HERO ID: 1740826 <i>OQD:</i> Medium	South Carolina, US Scenario: Groundwater monitoring wells in a landfill (non-detects excluded) (n = 16; DF = 0.0625; Sampling Period: 1995 - 1996)	LOD: 1-10 $\mu\text{g/L}$ LOQ: Not Reported	POINT VALUE(S): [1.1 $\mu\text{g/L}$]				
Liu et al. 2016 HERO ID: 3350971 <i>OQD:</i> Medium	Eastern China, CN Scenario: Groundwater within a chemical industrial park (n = 9; DF = 0.11; Sampling Period: 2016)	LOD: 0.004 $\mu\text{g/L}$ LOQ: Not Reported	NR	4.970 $\mu\text{g/L}$	5.0 $\mu\text{g/L}$ (AM)	NR	NR
Heck et al. 1992 HERO ID: 5438509 <i>OQD:</i> Medium	Reno County, Kansas, US Scenario: Groundwater from private wells near Reno County Landfill (n = 5; DF = 0; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 5.0 $\mu\text{g/L}$	NR	NR	<LOQ	NR	NR
Heck et al. 1992 HERO ID: 5438509 <i>OQD:</i> Medium	Reno County, Kansas, US Scenario: Groundwater from monitoring wells near Reno County Landfill (n = 8; DF = 0; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 5.0 $\mu\text{g/L}$	NR	NR	<LOQ	NR	NR
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater upgradient of Geary county landfill (n = 1; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 $\mu\text{g/L}$ LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater downgradient of Geary county landfill (n = 6; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 $\mu\text{g/L}$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Groundwaters in monitoring wells upstream from landfills in Poland (n = 4; DF = 0.25; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.003 $\mu\text{g/L}$ LOQ: 0.01 $\mu\text{g/L}$	<LOD	0.48 $\mu\text{g/L}$	- $\mu\text{g/L}$ (AM)	50th: <LOD;	0.01 $\mu\text{g/L}$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Groundwaters in monitoring wells downstream from landfills in Poland (n = 22; DF = 0.27; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.003 $\mu\text{g/L}$ LOQ: 0.01 $\mu\text{g/L}$	<LOD	12.7 $\mu\text{g/L}$	3.69 $\mu\text{g/L}$ (AM)	50th: <LOD;	3.34 $\mu\text{g/L}$ (ASD)
Bono-Blay et al. 2012 HERO ID: 1333834 <i>OQD:</i> High	Andalucía; Aragón; Asturias—Cantabria; Castilla y León—Madrid; Catalunya; Castilla La Mancha; Valencia; Extremadura; Galicia; Balearic islands; Canary Islands; Basque country—La Rioja, ES Scenario: Groundwater from 40 springs and 91 boreholes distributed all over Spain (n = 131; DF = 0; Sampling Period: 2007 - 2008)	LOD: 0.23 $\mu\text{g/L}$ LOQ: 0.687 $\mu\text{g/L}$	NR	NR	<LOQ	NR	NR

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
Calafat et al. 2004 HERO ID: 673259 ‡ <i>OQD:</i> Medium <i>PA</i>	San Jose, CA, US Scenario: Human Breast Milk from Mothers' Milk Bank - PA (n = 3; DF = 1; Sampling Period: 2004)	LOD: 0.9 ng/mL LOQ: Not Reported	NR	NR	13.0 ng/mL (AM)	NR	NR
Calafat et al. 2004 HERO ID: 673259 ‡ <i>OQD:</i> Medium <i>mBP</i>	San Jose, CA, US Scenario: Human Breast Milk from Mothers' Milk Bank - mBP (n = 3; DF = 1; Sampling Period: 2004)	LOD: 1.0 ng/mL LOQ: Not Reported	NR	NR	1.3 ng/mL (AM)	NR	1.5 ng/mL (ASD)
Chen et al. 2008 HERO ID: 673262 <i>OQD:</i> Medium	Chongqing, CN Scenario: Venous blood of Chongqing women undergoing parturition (n = 40; DF = 0.65; Sampling Period: 2008)	LOD: 0.05 µg/L LOQ: Not Reported	35.96 µg/L	191.13 µg/L	84.75 µg/L (AM)	50th: 85.94 µg/L;	33.52 µg/L (ASD)
Chen et al. 2008 HERO ID: 673262 <i>OQD:</i> Medium	Chongqing, CN Scenario: Cord blood of Chongqing women undergoing parturition (n = 40; DF = 0.375; Sampling Period: 2008)	LOD: 0.05 µg/L LOQ: Not Reported	0.50 µg/L	122.91 µg/L	52.23 µg/L (AM)	50th: 47.71 µg/L;	32.50 µg/L (ASD)
Chen et al. 2008 HERO ID: 673262 <i>OQD:</i> Medium	Chongqing, CN Scenario: Breastmilk of Chongqing women undergoing parturition (n = 40; DF = 0.30; Sampling Period: 2008)	LOD: 0.05 µg/L LOQ: Not Reported	0.60 µg/L	173.64 µg/L	57.78 µg/L (AM)	50th: 53.47 µg/L;	35.42 µg/L (ASD)
Chen et al. 2008 HERO ID: 673262 <i>OQD:</i> Medium	Chongqing, CN Scenario: Urine of Chongqing women undergoing parturition (n = 40; DF = 0.625; Sampling Period: 2008)	LOD: 0.05 µg/L LOQ: Not Reported	0.73 µg/L	85.15 µg/L	24.93 µg/L (AM)	50th: 19.41 µg/L;	18.76 µg/L (ASD)
Main et al. 2006 HERO ID: 673480 ‡ <i>OQD:</i> Medium <i>mBP</i>	Rigshospitalet, Copenhagen, Denmark, DK Scenario: Breast milk from mothers in Denmark - mBP (n = 65; DF = 1; Sampling Period: 1997 - 2001)	LOD: 0.05 µg/L LOQ: Not Reported	0.6 µg/L	10900 µg/L	NR	50th: 4.3 µg/L;	NR
Main et al. 2006 HERO ID: 673480 ‡ <i>OQD:</i> Medium <i>mBP</i>	Turku, Finland, FI Scenario: Breast milk from mothers in Finland - mBP (n = 65; DF = 1; Sampling Period: 1997 - 2001)	LOD: 0.05 µg/L LOQ: Not Reported	2.4 µg/L	123 µg/L	NR	50th: 12 µg/L;	NR
Latini et al. 2009 HERO ID: 673525 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Brindisi and Tricase areas of Southern Italy, IT Scenario: Breastmilk of 62 healthy Italian mothers - MnBP (n = 62; DF = 0.65; Sampling Period: Mar., 2006 - Sept., 2006)	LOD: 1.0 mg/L LOQ: Not Reported	NR	20.4 µg/L	NR	L95thCI (AM): 1.1 µg/L; 50th: 1.5 µg/L; 95th: 10.7 µg/L; U95thCI (AM): 2.2 µg/L;	NR
Adibi et al. 2003 HERO ID: 674904 ‡ <i>OQD:</i> Medium <i>mBP</i>	New York City, NY USA, US Scenario: Urine samples from pregnant New York subjects (n = 25; DF = 1; Sampling Period: Jul., 2000)	LOD: Not Reported LOQ: Not Reported	21.3 µg/g	105 µg/g	54.4 µg/g (GM)	50th: 42.6 µg/g;	24.5 µg/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Central Taiwan, TW Scenario: Urine of pregnant women in Central Taiwan - unadjusted, MnBP (n = 100; DF = 1; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: Not Reported LOQ: Not Reported	1.41 μg/L	928 μg/L	72.29 μg/L (GM)	50th: 52.39 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Central Taiwan, TW Scenario: Urine of children (5-6y) from Central Taiwan - unadjusted, MnBP (n = 59; DF = 1; Sampling Period: 2006 - 2007)	LOD: Not Reported LOQ: Not Reported	12.35 μg/L	16455 μg/L	75.09 μg/L (GM)	50th: 70.22 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Central Taiwan, TW Scenario: Urine of children (2-3y) from Central Taiwan - unadjusted, MnBP (n = 30; DF = 1; Sampling Period: 2003 - 2004)	LOD: Not Reported LOQ: Not Reported	19.61 μg/L	368.42 μg/L	100.4 μg/L (GM)	50th: 105.65 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Central Taiwan, TW Scenario: Breastmilk of pregnant women from Central Taiwan - MnBP (n = 30; DF = 0.70; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: 0.50 μg/L LOQ: Not Reported	<LOD	32.03 μg/L	2.88 μg/L (GM)	50th: 4.05 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Central Taiwan, TW Scenario: Cord blood of pregnant women from Central Taiwan - MnBP (n = 30; DF = 1; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: Not Reported LOQ: Not Reported	13.10 μg/L	39.70 μg/L	2.88 μg/L (GM)	50th: 23.90 μg/L;	NR
Fromme et al. 2011 HERO ID: 787934 <i>OQD:</i> Medium	Bavaria, Southern Germany, DE Scenario: Breastmilk from 78 healthy Bavarian mothers (n = 78; DF = 0.82; Sampling Period: 2007 - 2008)	LOD: Not Reported LOQ: 0.10 ng/g	<LOD	7.4 ng/g	1.2 ng/g (AM)	50th: 0.8 ng/g; 90th: 2.7 ng/g; 95th: 3.1 ng/g;	NR
Fromme et al. 2011 HERO ID: 787934 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Bavaria, Southern Germany, DE Scenario: Breastmilk from 78 healthy Bavarian mothers - MnBP (n = 74; DF = 1; Sampling Period: 2007 - 2008)	LOD: Not Reported LOQ: Not Reported	<LOD	18.1 μg/L	2.6 μg/L (AM)	50th: 2.1 μg/L; 90th: 3.9 μg/L; 95th: 6.7 μg/L;	NR
Hauser et al. 2004 HERO ID: 788014 [‡] <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Metabolite levels in single spot urine sample from 369 men - unadjusted, MBP (n = 369; DF = >0.90; Sampling Period: 2004)	LOD: 0.94 μg/L LOQ: Not Reported	NR	NR	13.3 μg/L (GM)	10th: 2.9 μg/L; 25th: 7.0 μg/L; 50th: 13.6 μg/L; 75th: 29.3 μg/L; 90th: 50.4 μg/L; 95th: 73.1 μg/L;	NR
Hauser et al. 2004 HERO ID: 788014 [‡] <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Metabolite levels in single spot urine sample from 369 men - Specific-gravity adjusted, MBP (n = 369; DF = >0.90; Sampling Period: 2004)	LOD: 0.94 μg/L LOQ: Not Reported	NR	NR	15.8 μg/L (GM)	10th: 4.8 μg/L; 25th: 9.8 μg/L; 50th: 16 μg/L; 75th: 29.2 μg/L; 90th: 45.9 μg/L; 95th: 66.7 μg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Schlumpf et al. 2010 HERO ID: 1249442 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Basel, CH Scenario: Human milk from individuals living in Switzerland (n = 20; DF = 1; Sampling Period: Aug., 2006 - Oct., 2006)	LOD: 0.5-1.0 ng/mL LOQ: Not Reported	1.20 ng/mL	29.80 ng/mL	7.88 ng/mL (AM)	50th: 5.95 ng/mL; 95th: 15.27 ng/mL;	6.21 ng/mL (ASD)
Schlumpf et al. 2010 HERO ID: 1249442 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Basel, Switzerland, CH Scenario: Breast milk from mothers in summer to late fall (sunscreen and cosmetic usage reported) - MnBP (n = 20; DF = 1; Sampling Period: Aug., 2004 - Nov., 2006)	LOD: 0.5-1.0 µg/L LOQ: Not Reported	1.20 ng/g	29.80 ng/g	7.88 ng/g (AM)	50th: 5.95 ng/g; 95th: 15.27 ng/g;	6.21 ng/g (ASD)
Serrano et al. 2014 HERO ID: 2345950 ‡ <i>OQD:</i> High <i>DnBP</i>	Seattle, WA; Atlanta, GA, US Scenario: MnBP in pregnant women within TIDES cohort (n = 656; DF = 0.92; Sampling Period: 2010 - 2012)	LOD: 0.4 ng/mL LOQ: Not Reported	7.69 ng/mL	8.82 ng/mL	8.23 ng/mL (GM)	NR	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with fibroids - MBP (n = 99; DF = 0.99; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: 0.2 ng/mL	NR	NR	11.8 µg/g (GM)	L95thCI (AM): 9.8 µg/g; U95thCI (AM): 14.1 µg/g;	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with fibroids - MnBP (n = 99; DF = 0; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: Not Reported	NR	NR	0 µg/g (AM)	NR	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with no fibroids - MBP (n = 374; DF = 0.99; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: 0.2 ng/mL	NR	NR	11.3 µg/g (GM)	L95thCI (AM): 10.4 µg/g; U95thCI (AM): 12.3 µg/g;	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with no fibroids - MnBP (n = 374; DF = 0; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: Not Reported	NR	NR	0 µg/g (AM)	NR	NR
Vagi et al. 2014 HERO ID: 2718073 ‡ <i>OQD:</i> High <i>mBP</i>	Los Angeles, CA, US Scenario: Urinary concentrations of PCOS case-patients - mBP (n = 52; DF = >0.5; Sampling Period: Mar., 2007 - May, 2008)	LOD: 0.6 µg/L LOQ: Not Reported	NR	NR	17.7 µg/g (GM)	NR	NR
Vagi et al. 2014 HERO ID: 2718073 ‡ <i>OQD:</i> High <i>mBP</i>	Los Angeles, CA, US Scenario: Urinary concentrations of PCOS control-patients - mBP (n = 50; DF = >0.5; Sampling Period: Mar., 2007 - May, 2008)	LOD: 0.6 µg/L LOQ: Not Reported	NR	NR	23.2 µg/g (GM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD</i> : Medium <i>MBP, MHBP</i>	Ottawa, Canada, CA Scenario: Urine T1a (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.4 µg/L LOQ: Not Reported	NR	30.53 µg/L	1.30 µg/L (GM)	5th: 0.15 µg/L; 25th: 0.57 µg/L; 50th: 1.27 µg/L; 75th: 3.36 µg/L; 95th: 9.22 µg/L;	NR
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD</i> : Medium <i>MBP, MHBP</i>	Ottawa, Canada, CA Scenario: Urine T1b (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.4 µg/L LOQ: Not Reported	NR	410.10 µg/L	1.67 µg/L (GM)	5th: 0.32 µg/L; 25th: 0.72 µg/L; 50th: 1.66 µg/L; 75th: 3.85 µg/L; 95th: 12.59 µg/L;	NR
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD</i> : Medium <i>MBP</i>	Ottawa, Canada, CA Scenario: Urine T2 (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.4 µg/L LOQ: Not Reported	NR	250.00 µg/L	19.16 µg/L (GM)	5th: 3.41 µg/L; 25th: 8.30 µg/L; 50th: 20.64 µg/L; 75th: 46.00 µg/L; 95th: 100.00 µg/L;	NR
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD</i> : Medium <i>MBP</i>	Ottawa, Canada, CA Scenario: Urine T3 (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.4 µg/L LOQ: Not Reported	NR	163.35 µg/L	22.63 µg/L (GM)	5th: 4.10 µg/L; 25th: 13.70 µg/L; 50th: 23.50 µg/L; 75th: 38.77 µg/L; 95th: 87.00 µg/L;	NR
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD</i> : Medium <i>MBP</i>	Ottawa, Canada, CA Scenario: Urine T5 (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.4 µg/L LOQ: Not Reported	NR	176.21 µg/L	20.18 µg/L (GM)	5th: 3.44 µg/L; 25th: 9.70 µg/L; 50th: 19.00 µg/L; 75th: 46.64 µg/L; 95th: 86.00 µg/L;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD</i> : Medium <i>MnBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of mothers with boy infant - MnBP (n = 213; DF = 0.99; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	6.20 ng/mL (GM)	2.5th: 4.77 ng/mL; 97.5th: 8.05 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD</i> : Medium <i>MnBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of mothers with girl infant - MnBP (n = 213; DF = 0.99; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	6.11 ng/mL (GM)	2.5th: 4.84 ng/mL; 97.5th: 7.71 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD</i> : Medium <i>MnBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of fathers with boy infant - MnBP (n = 212; DF = 0.99; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	6.43 ng/mL (GM)	2.5th: 4.93 ng/mL; 97.5th: 8.37 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD</i> : Medium <i>MnBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of fathers with girl infant - MnBP (n = 212; DF = 0.99; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	7.50 ng/mL (GM)	2.5th: 5.93 ng/mL; 97.5th: 9.49 ng/mL;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Huen et al. 2016 HERO ID: 3230402 ‡ <i>OQD:</i> High <i>MBP</i>	Salinas Valley, California, US Scenario: Urinary measures of mothers at 13 weeks gestation - MBP (n = 350; DF = 0.993; Sampling Period: 1999 - 2000)	LOD: 0.4 µg/L LOQ: Not Reported	0 µg/g	428.6 µg/g	NR	25th: 9.3 µg/g; 50th: 18.4 µg/g; 75th: 38.3 µg/g;	NR
Huen et al. 2016 HERO ID: 3230402 ‡ <i>OQD:</i> High <i>MBP</i>	Salinas Valley, California, US Scenario: Urinary measures of mothers at 26 weeks gestation - MBP (n = 339; DF = 0.993; Sampling Period: 1999 - 2000)	LOD: 0.4 µg/L LOQ: Not Reported	1.2 µg/g	1282.2 µg/g	NR	25th: 12 µg/g; 50th: 24.5 µg/g; 75th: 43.5 µg/g;	NR
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 10 weeks gestation - MBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 10.8 µg/L; 50th: 16.1 µg/L; 75th: 26.8 µg/L;	NR
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 18 weeks gestation - MBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 10.8 µg/L; 50th: 16.1 µg/L; 75th: 26.1 µg/L;	NR
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 26 weeks gestation - MBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 11.1 µg/L; 50th: 16.5 µg/L; 75th: 24.0 µg/L;	NR
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 35 weeks gestation - MBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 11.7 µg/L; 50th: 16.7 µg/L; 75th: 25.0 µg/L;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MBP</i>	Colorado, US Scenario: Creatinine adjusted urine measures from Colorado women <24 weeks gestation - MBP (n = 446; DF = 0.96; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	9.4 ng/mL (GM)	5th: 1.7 ng/mL; 95th: 35.3 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MHBP</i>	Colorado, US Scenario: Creatinine adjusted urine measures from Colorado women <24 weeks gestation - MHBP (n = 446; DF = 0.72; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	1.0 ng/mL (GM)	5th: 0.2 ng/mL; 95th: 3.7 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MBP</i>	Colorado, US Scenario: Unadjusted urine measures from Colorado women <24 weeks gestation - MBP (n = 446; DF = 0.96; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	7.8 ng/mL (GM)	5th: 0.8 ng/mL; 95th: 56.2 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MHBP</i>	Colorado, US Scenario: Unadjusted urine measures from Colorado women <24 weeks gestation - MHBP (n = 446; DF = 0.72; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	0.9 ng/mL (GM)	5th: 0.1 ng/mL; 95th: 6.2 ng/mL;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Huffman et al. 2018 HERO ID: 4728509 [‡] <i>OQD:</i> Medium <i>MBP</i>	Springfield, MA, US Scenario: Urinary metabolite measures in men undergoing fertility treatment - MBP (n = 99; DF = 0.981; Sampling Period: 2014 - 2017)	LOD: 0.1 - 0.9 ng/mL LOQ: Not Reported	NR	NR	9.12 ng/mL (GM)	L95thCI (AM): 7.71 ng/mL; 25th: 6.13 ng/mL; 50th: 9.43 ng/mL; 75th: 14.0 ng/mL; 95th: 29.0 ng/mL; U95thCI (AM): 10.79 ng/mL;	NR
Huffman et al. 2018 HERO ID: 4728509 [‡] <i>OQD:</i> Medium <i>MHBP</i>	Springfield, MA, US Scenario: Urinary metabolite measures in men undergoing fertility treatment - MHBP (n = 99; DF = 0.981; Sampling Period: 2014 - 2017)	LOD: 0.1 - 0.9 ng/mL LOQ: Not Reported	NR	NR	0.75 ng/mL (GM)	L95thCI (AM): 0.66 ng/mL; 25th: 0.46 ng/mL; 50th: 0.78 ng/mL; 75th: 1.09 ng/mL; 95th: 2.22 ng/mL; U95thCI (AM): 0.86 ng/mL;	NR
Hartle et al. 2018 HERO ID: 4728555 [‡] <i>OQD:</i> High <i>MnBP</i>	Throughout CA, US Scenario: Human milk from milk bank donors (n = 21; DF = 1; Sampling Period: 2015)	LOD: 0.1 ng/mL LOQ: Not Reported	0.69 ng/g	210.24 ng/g	46.37 ng/g (AM)	10th: 1.03 ng/g; 25th: 3.90 ng/g; 50th: 14.21 ng/g; 75th: 78.63 ng/g; 90th: 104.44 ng/g;	60.30 ng/g (ASD)
Bedrosian et al. 2018 HERO ID: 4728685 [‡] <i>OQD:</i> Medium <i>MBP</i>	Boston, MA, US Scenario: Pregnant Women Urine Samples from Boston - MBP (n = 134; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	217 ng/mL	12.2 ng/mL (GM)	25th: 6.10 ng/mL; 50th: 13.6 ng/mL; 75th: 31.4 ng/mL; 95th: 66.6 ng/mL;	NR
Malits et al. 2018 HERO ID: 4829246 [‡] <i>OQD:</i> Medium <i>MBP</i>	USA, US Scenario: Urinary concentrations in children with chronic kidney disease (mild-moderate) - MBP (n = 538; DF = >0.75; Sampling Period: 2005 - 2014)	LOD: 0.02-0.5 ng/mL LOQ: Not Reported	NR	NR	8.71 ng/mL (GM)	L95thCI (AM): 8.08 ng/mL; 25th: 5.11 ng/mL; 50th: 8.58 ng/mL; 75th: 14.45 ng/mL; U95thCI (AM): 9.38 ng/mL;	NR
Malits et al. 2018 HERO ID: 4829246 [‡] <i>OQD:</i> Medium <i>MiBP</i>	USA, US Scenario: Urinary concentrations in children with chronic kidney disease (mild-moderate) - MiBP (n = 538; DF = >0.75; Sampling Period: 2005 - 2014)	LOD: 0.02-0.5 ng/mL LOQ: Not Reported	NR	NR	3.38 ng/mL (GM)	L95thCI (AM): 3.10 ng/mL; 25th: 1.97 ng/mL; 50th: 3.31 ng/mL; 75th: 6.31 ng/mL; U95thCI (AM): 3.68 ng/mL;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Northern Manhattan, New York City; South Bronx, New York City, US Scenario: Urine measures of third trimester pregnant adult African American or Dominican women who were/are at least 1-year residents of northern Manhattan or South Bronx - MnBP (n = 209; DF = 1; Sampling Period: 1999 - 2006)	LOD: 0.6 ng/mL LOQ: Not Reported	1.2 ng/mL	1110 ng/mL	35.7 ng/mL (GM)	25th: 18.7 ng/mL; 50th: 37.1 ng/mL; 75th: 74.5 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Northern Manhattan, New York City; South Bronx, New York City, US Scenario: Urine from 3-year-old children with African-American or Dominican maternal descent - MnBP (n = 166; DF = 1; Sampling Period: 2002 - 2008)	LOD: 0.6 ng/mL LOQ: Not Reported	1.90 ng/mL	2020 ng/mL	44.8 ng/mL (GM)	25th: 22 ng/mL; 50th: 48.2 ng/mL; 75th: 103 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Northern Manhattan, New York City; South Bronx, New York City, US Scenario: Urine from 5-year-old children with African-American or Dominican maternal descent - MnBP (n = 199; DF = 1; Sampling Period: 2004 - 2009)	LOD: 0.6 ng/mL LOQ: Not Reported	1.90 ng/mL	549 ng/mL	41.1 ng/mL (GM)	25th: 18.90 ng/mL; 50th: 43.7 ng/mL; 75th: 103 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Northern Manhattan, New York City; South Bronx, New York City, US Scenario: Urine from 7-year-old children with African-American or Dominican maternal descent - MnBP (n = 156; DF = 1; Sampling Period: 2005 - 2009)	LOD: 0.6 ng/mL LOQ: Not Reported	NR	NR	41.7 ng/mL (GM)	25th: 21.3 ng/mL; 50th: 43.5 ng/mL; 75th: 61.3 ng/mL;	NR
Shaffer et al. 2019 HERO ID: 5043458 [‡] <i>OQD:</i> Medium <i>MNBP</i>	CA; MN; NY; WA, US Scenario: Urine from first trimester pregnancy, <13 weeks - MNBP (n = 668; DF = 0.95; Sampling Period: 2010 - 2012)	LOD: 0.2-2.0 ng/mL LOQ: Not Reported	NR	NR	8.3 µg/L (GM)	NR	2.4 µg/L (GSD)
Shaffer et al. 2019 HERO ID: 5043458 [‡] <i>OQD:</i> Medium <i>MNBP</i>	CA; MN; NY; WA, US Scenario: Urine from third trimester pregnancy - MNBP (n = 679; DF = 0.98; Sampling Period: 2010 - 2012)	LOD: 0.2-2.0 ng/mL LOQ: Not Reported	NR	NR	9.7 µg/L (GM)	NR	2.7 µg/L (GSD)
Shin et al. 2019 HERO ID: 5043463 [‡] <i>OQD:</i> Medium <i>MBP</i>	State of California, US Scenario: Urine from pregnant women who previously delivered a child with ASD in California - MBP (n = 178; DF = 0.99; Sampling Period: Jan., 2007 - Feb., 2014)	LOD: 0.4 µg/L LOQ: Not Reported	NR	131.2 µg/L	12.0 µg/L (GM)	5th: 3.4 µg/L; 25th: 7.9 µg/L; 50th: 12.4 µg/L; 75th: 20.6 µg/L; 95th: 41.1 µg/L;	NR
van't Erve et al. 2019 HERO ID: 5043603 [‡] <i>OQD:</i> Medium <i>MBP</i>	University of California, San Francisco; University of Rochester Medical Center; University of Minnesota; and University of Washington/Seattle Children's Hospital, US Scenario: Urine samples from pregnant women - MBP (n = 756; DF = 1; Sampling Period: Jan., 2010 - Dec., 2012)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	9.8 ng/mL (GM)	25th: 5.8 ng/mL; 50th: 10.5 ng/mL; 75th: 17 ng/mL; 95th: 42.9 ng/mL;	2.7 ng/mL (GSD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
van't Erve et al. 2019 HERO ID: 5043603 [‡] <i>OQD:</i> Medium <i>MHBP</i>	University of California, San Francisco; University of Rochester Medical Center; University of Minnesota; and University of Washington/Seattle Children's Hospital, US Scenario: Urine samples from pregnant women - MHBP (n = 592; DF = 0.864; Sampling Period: Jan., 2010 - Dec., 2012)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	1.1 ng/mL (GM)	25th: 0.6 ng/mL; 50th: 1.01 ng/mL; 75th: 1.8 ng/mL; 95th: 5.3 ng/mL;	2.7 ng/mL (GSD)
Hammel et al. 2019 HERO ID: 5532853 [‡] <i>OQD:</i> High <i>MBP</i>	Durham, North Carolina, US Scenario: Urine from 3-6 year old children - MBP (n = 180; DF = 1; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 0.40 ng/mL LOQ: Not Reported	2.5 ng/mL	NR	NR	50th: 20 ng/mL; 95th: 91 ng/mL;	NR
Hammel et al. 2019 HERO ID: 5532853 [‡] <i>OQD:</i> High <i>MHBP</i>	Durham, North Carolina, US Scenario: Urine from 3-6 year old children - MHBP (n = 180; DF = 0.98; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 0.40 ng/mL LOQ: Not Reported	ND ng/mL	NR	NR	50th: 2.8 ng/mL; 95th: 14 ng/mL;	NR
Hammel et al. 2019 HERO ID: 5752853 <i>OQD:</i> High	Durham, North Carolina, US Scenario: Hand wipe from 3-6 year old children (n = 202; DF = 0.49; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 48 ng/sample LOQ: Not Reported	NR	NR	NR	95th: 558 ng/sample;	NR
Huang et al. 2014 HERO ID: 5755647 <i>OQD:</i> High	Chongqing, China, CN Scenario: Cord blood measures from pregnant women who delivered at Southwest Hospital in Chongqing (n = 207; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 0.06 µg/L LOQ: Not Reported	NR	NR	68.14 µg/L (AM)	5th: 10.10 µg/L; 25th: 19.61 µg/L; 50th: 36.21 µg/L; 75th: 72.03 µg/L; 95th: 265.40 µg/L;	NR
Buckley et al. 2012 HERO ID: 5772514 [‡] <i>OQD:</i> Medium <i>MBP</i>	Multiple locations, US Scenario: Creatinine adjusted urine from women 22-24 weeks pregnant - MBP (n = 50; DF = 0.9; Sampling Period: Jun., 2002 - Sept., 2003)	LOD: 1.07 ng/mL LOQ: Not Reported	<LOD	121.2 µg/g	24.7 µg/g (AM)	50th: 17.9 µg/g;	23 µg/g (ASD)
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 1st trimester - MBP (n = 754; DF = 0.924; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 4.83 µg/L; 50th: 8.44 µg/L; 75th: 14.0 µg/L;	NR
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 2nd trimester - MBP (n = 169; DF = 0.941; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 3.54 µg/L; 50th: 7.98 µg/L; 75th: 14.9 µg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 3rd trimester - MBP (n = 738; DF = 0.977; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 5.32 µg/L; 50th: 10.8 µg/L; 75th: 17.4 µg/L;	NR
Kim et al. 2020 HERO ID: 6815879 [‡] <i>OQD:</i> High <i>MnBP</i>	Seoul metropolitan; Chungcheong, Honam; Yeongnam region, KR Scenario: Breastmilk samples from primipara mothers receiving lactation coaching - MnBP (n = 161; DF = 0.72; Sampling Period: Jul., 2018 - Sept., 2018)	LOD: 0.28 µg/L LOQ: Not Reported	NR	NR	0.83 µg/L (GM)	5th: <LOD; 25th: <LOD; 50th: 0.89 µg/L; 75th: 1.86 µg/L; 95th: 8.46 µg/L;	3.16 µg/L (GSD)
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MnBP</i>	DE Scenario: Phthalate metabolites in urine of German children aged 3 to 14 years (n = 599; DF = 1; Sampling Period: May, 2003 - May, 2006)	LOD: Not Reported LOQ: 1.0 µg/L	NR	1090 µg/L	95.6 µg/L (GM)	50th: 93.4 µg/L; 90th: 236 µg/L; 95th: 310 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MnBP</i>	DE Scenario: Phthalate metabolites in urine of German children aged 3 to 5 years (n = 137; DF = NR; Sampling Period: May, 2003 - May, 2006)	LOD: Not Reported LOQ: 1.0 µg/L	NR	1090 µg/L	102 µg/L (GM)	50th: 100 µg/L; 90th: 260 µg/L; 95th: 364 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MnBP</i>	DE Scenario: Phthalate metabolites in urine of German children aged 6 to 8 years (n = 145; DF = NR; Sampling Period: May, 2003 - May, 2006)	LOD: Not Reported LOQ: 1.0 µg/L	NR	1020 µg/L	102 µg/L (GM)	50th: 101 µg/L; 90th: 244 µg/L; 95th: 319 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MnBP</i>	DE Scenario: Phthalate metabolites in urine of German children aged 9 to 11 years (n = 149; DF = NR; Sampling Period: May, 2003 - May, 2006)	LOD: Not Reported LOQ: 1.0 µg/L	NR	458 µg/L	92.5 µg/L (GM)	50th: 92.2 µg/L; 90th: 206 µg/L; 95th: 281 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MnBP</i>	DE Scenario: Phthalate metabolites in urine of German children aged 12 to 14 years (n = 168; DF = NR; Sampling Period: May, 2003 - May, 2006)	LOD: Not Reported LOQ: 1.0 µg/L	NR	508 µg/L	87.9 µg/L (GM)	50th: 84.8 µg/L; 90th: 235 µg/L; 95th: 302 µg/L;	NR
Hogberg et al. 2008 HERO ID: 673465 [‡] <i>OQD:</i> High <i>mBP</i>	Lund, SE Scenario: Breast milk samples when babies were 14-20 days of age (n = 42; DF = 0.29; Sampling Period: 2007)	LOD: 3.0 ng/mL LOQ: Not Reported	<LOD	5.7 ng/mL	1.2 ng/mL (AM)	50th: <LOD; 75th: 1.3 ng/mL;	1.3 ng/mL (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hogberg et al. 2008 HERO ID: 673465 <i>OQD:</i> High	Lund, SE Scenario: Blood samples from mothers 1 week after milk sampling (n = 36; DF = 0.69; Sampling Period: 2007)	LOD: 0.43 ng/mL LOQ: Not Reported	<LOD	9.1 ng/mL	1.2 ng/mL (AM)	50th: 0.78 ng/mL; 75th: 1.3 ng/mL;	1.6 ng/mL (ASD)
Hogberg et al. 2008 HERO ID: 673465 ‡ <i>OQD:</i> High <i>mBP,mCPP</i>	Lund, SE Scenario: Urine samples from mothers 1 week after milk sampling (n = 38; DF = 1.0; Sampling Period: 2007)	LOD: 1.1 ng/mL LOQ: Not Reported	0.5 µg/g	16 µg/g	2.4 µg/g (AM)	50th: 1.6 µg/g; 75th: 2.7 µg/g;	2.6 µg/g (ASD)
Hong et al. 2009 HERO ID: 673466 ‡ <i>OQD:</i> Medium <i>MBP</i>	Seoul, KR Scenario: Urine samples from Adults in Seoul, Korea (n = 513; DF = 0.977; Sampling Period: Apr., 2005 - Dec., 2005)	LOD: 0.93 ng/mL LOQ: Not Reported	NR	NR	51.84 ng/mL (AM)	10th: 8.01 ng/mL; 25th: 19.41 ng/mL; 50th: 35.91 ng/mL; 75th: 64.62 ng/mL; 90th: 107.25 ng/mL;	58.96 ng/mL (ASD)
Huang et al. 2009 HERO ID: 673468 ‡ <i>OQD:</i> Medium <i>MBP</i>	Tainan, Taiwan, TW Scenario: 1st trimester maternal urinary samples from women carrying female fetuses prior to amniocentesis (n = 31; DF = 1; Sampling Period: 2005 - 2006)	LOD: 1.4 ng/mL LOQ: Not Reported	8.9 ng/mL	541.0 ng/mL	NR	10th: 26.9 ng/mL; 50th: 78.0 ng/mL; 90th: 30.9 ng/mL;	NR
Huang et al. 2009 HERO ID: 673468 ‡ <i>OQD:</i> Medium <i>MBP</i>	Tainan, Taiwan, TW Scenario: 1st trimester amniotic fluid samples of male fetuses from women prior to amniocentesis (n = 33; DF = 1; Sampling Period: 2005 - 2006)	LOD: 1.4 ng/mL LOQ: Not Reported	28.4 ng/mL	145.0 ng/mL	NR	10th: 44.3 ng/mL; 50th: 81.3 ng/mL; 90th: 127.8 ng/mL;	NR
Huang et al. 2009 HERO ID: 673468 ‡ <i>OQD:</i> Medium <i>MBP</i>	Tainan, Taiwan, TW Scenario: 1st trimester maternal urinary samples from women carrying male fetuses prior to amniocentesis (n = 33; DF = 1; Sampling Period: 2005 - 2006)	LOD: 1.4 ng/mL LOQ: Not Reported	19.4 ng/mL	524.0 ng/mL	NR	10th: 28.1 ng/mL; 50th: 79.6 ng/mL; 90th: 232.6 ng/mL;	NR
Huang et al. 2009 HERO ID: 673468 ‡ <i>OQD:</i> Medium <i>MBP</i>	Tainan, Taiwan, TW Scenario: 1st trimester amniotic fluid samples of female fetuses from women prior to amniocentesis (n = 31; DF = 1; Sampling Period: 2005 - 2006)	LOD: 1.4 ng/mL LOQ: Not Reported	39.3 ng/mL	192.0 ng/mL	NR	10th: 45.6 ng/mL; 50th: 85.5 ng/mL; 90th: 134.6 ng/mL;	NR
Lomenick et al. 2010 HERO ID: 673478 ‡ <i>OQD:</i> Medium <i>MBP,MCPP</i>	US Scenario: Urine from subjects with CPP (n = 28; DF = NR; Sampling Period: 2005 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	7.84 ng/mL (AM)	NR	1.10 ng/mL (SE)
Lomenick et al. 2010 HERO ID: 673478 ‡ <i>OQD:</i> Medium <i>MBP,MCPP</i>	US Scenario: Urine from subjects without CPP (n = 28; DF = NR; Sampling Period: 2005 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.63 ng/mL (AM)	NR	0.99 ng/mL (SE)
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Munich, DE Scenario: Phthalate metabolites in urine (ug/l) of female adults near Munich, Germany (n = 399; DF = 1; Sampling Period: Apr., 2005 - Oct., 2005)	LOD: 1.0 µg/L LOQ: 2.0 µg/L	17.2 µg/L	307.4 µg/L	60.5 µg/L (AM)	10th: 21.5 µg/L; 50th: 48.0 µg/L; 90th: 107.4 µg/L; 95th: 129.3 µg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Munich, DE Scenario: Phthalate metabolites in urine (ug/l) of male adults near Munich, Germany (n = 399; DF = 1; Sampling Period: Apr., 2005 - Oct., 2005)	LOD: 1.0 µg/L LOQ: 2.0 µg/L	24.6 µg/L	113.7 µg/L	57.0 µg/L (AM)	10th: 26.5 µg/L; 50th: 49.8 µg/L; 90th: 91.6 µg/L; 95th: 103.6 µg/L;	NR
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Munich, DE Scenario: Phthalate metabolites in urine (ug/g creatinine) of female adults near Munich, Germany (n = 399; DF = 1; Sampling Period: Apr., 2005 - Oct., 2005)	LOD: 1.0 µg/L LOQ: 2.0 µg/L	30.6 µg/g	172.8 µg/g	55.6 µg/g (AM)	10th: 33.7 µg/g; 50th: 46.8 µg/g; 90th: 83.0 µg/g; 95th: 95.0 µg/g;	NR
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Munich, DE Scenario: Phthalate metabolites in urine (ug/g creatinine) of male adults near Munich, Germany (n = 399; DF = 1; Sampling Period: Apr., 2005 - Oct., 2005)	LOD: 1.0 µg/L LOQ: 2.0 µg/L	22.9 µg/g	86.9 µg/g	46.7 µg/g (AM)	10th: 29.2 µg/g; 50th: 41.4 µg/g; 90th: 72.3 µg/g; 95th: 73.6 µg/g;	NR
Peck et al. 2010 HERO ID: 697726 ‡ <i>OQD:</i> High <i>MCP</i>	Green Bay, Wisconsin, US Scenario: Urinary concentrations from Hmong couples in Green Bay, Wisconsin (n = 45; DF = 0.93; Sampling Period: Sept., 1999 - Nov., 2005)	LOD: 0.16 µg/L LOQ: Not Reported	0.1 µg/g	19.7 µg/g	1.6 µg/g (GM)	25th: 1.3 µg/g; 50th: 1.8 µg/g; 75th: 3.1 µg/g; 95th: 4.9 µg/g;	2.6 µg/g (ASD)
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MCP</i>	Kuala Lumpur, MY Scenario: Urine samples from Malaysia (n = 29; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	0.8 ng/mL (AM); 1.0 ng/mL (GM)	10th: <LOQ; 50th: 0.2 ng/mL; 90th: 2.5 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MCP</i>	Guangzhou; Shanghai; Qiqihaer, CN Scenario: Urine samples from China (n = 40; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	3.1 ng/mL (AM); 1.5 ng/mL (GM)	10th: <LOQ; 50th: 0.9 ng/mL; 90th: 9.6 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MCP</i>	Ehime; Kumamoto, JP Scenario: Urine samples from Japan (n = 35; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	0.7 ng/mL (AM); 0.9 ng/mL (GM)	10th: <LOQ; 50th: 0.5 ng/mL; 90th: 1.8 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MCP</i>	Seoul; Busan; Yeosu, KR Scenario: Urine samples from Korea (n = 60; DF = NR; Sampling Period: 2006 - 2007)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	0.7 ng/mL (AM); 1.2 ng/mL (GM)	10th: <LOQ; 50th: ND; 90th: 2.6 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MCP</i>	Al-Asma; Al-Jahra governorates, KW Scenario: Urine samples from Kuwait (n = 46; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	6.6 ng/mL (AM); 3.1 ng/mL (GM)	10th: 0.7 ng/mL; 50th: 2.7 ng/mL; 90th: 20.3 ng/mL;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Guo et al. 2011 HERO ID: 787935 [‡] <i>OQD:</i> High <i>MCPP</i>	Mettupalayam, IN Scenario: Urine samples from India (n = 22; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	0.3 ng/mL (AM); 0.5 ng/mL (GM)	10th: <LOQ; 50th: 0.2 ng/mL; 90th: 0.9 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 [‡] <i>OQD:</i> High <i>MCPP</i>	Hanoi, VN Scenario: Urine samples from Vietnam (n = 30; DF = NR; Sampling Period: May, 2010 - Jul., 2010)	LOD: Not Reported LOQ: 0.1 ng/mL	NR	NR	1.6 ng/mL (AM); 1.2 ng/mL (GM)	10th: <LOQ; 50th: 0.5 ng/mL; 90th: 2.7 ng/mL;	NR
Yolton et al. 2011 HERO ID: 788169 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Ohio, US Scenario: Urine from pregnant women at 16 weeks gestation (n = 346; DF = 0.997; Sampling Period: Mar., 2003 - Feb., 2006)	LOD: 0.3-1.2 ng/mL LOQ: Not Reported	95% CI, lower bound: 21.2 ng/mL ; 95% CI, upper bound: 27.1 ng/mL				
Yolton et al. 2011 HERO ID: 788169 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Ohio, US Scenario: Urine from pregnant women at 26 weeks gestation (n = 332; DF = 1; Sampling Period: Mar., 2003 - Feb., 2006)	LOD: 0.3-1.2 ng/mL LOQ: Not Reported	95% CI, lower bound: 17.9 ng/mL ; 95% CI, upper bound: 23.0 ng/mL				
Carlstedt et al. 2013 HERO ID: 1315309 [‡] <i>OQD:</i> Medium <i>MBP</i>	Varmland, SE Scenario: Urine samples from 2 or 6 month old randomly selected infants (n = 83; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: Not Reported	Interquartile range: 23.7 ng/mol				
Frederiksen et al. 2013 HERO ID: 1588874 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Gentofte and Viby Sj., DK Scenario: First morning urine void from mothers in Denmark (n = 145; DF = 1; Sampling Period: Sept., 2011 - Dec., 2011)	LOD: 1.43 ng/mL LOQ: Not Reported	1.9 ng/mL	180 ng/mL	26 ng/mL (GM)	5th: 7 ng/mL; 25th: 12 ng/mL; 50th: 20 ng/mL; 75th: 32 ng/mL; 95th: 70 ng/mL;	NR
Frederiksen et al. 2013 HERO ID: 1588874 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Gentofte and Viby Sj., DK Scenario: First morning urine void from children in Denmark (n = 143; DF = 1; Sampling Period: Sept., 2011 - Dec., 2011)	LOD: 1.43 ng/mL LOQ: Not Reported	5.3 ng/mL	144 ng/mL	39 ng/mL (GM)	5th: 8.5 ng/mL; 25th: 20 ng/mL; 50th: 32 ng/mL; 75th: 50 ng/mL; 95th: 99 ng/mL;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MnBP,3OH-MnBP,3cx-MPP</i>	Jena, DE Scenario: Urine from pregnant women close to birth; mother-child pairs (n = 9; DF = 1; Sampling Period: 2010)	LOD: Not Reported LOQ: 1.0 µg/L	<LOQ	2 µg/L	NR	50th: 0.7 µg/L;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MnBP,3OH-MnBP,3cx-MPP</i>	Jena, DE Scenario: Urine from pregnant women (n = 47; DF = 1; Sampling Period: 2008)	LOD: Not Reported LOQ: 1.0 µg/L	<LOQ	2.9 µg/L	NR	50th: 0.6 µg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MnBP,3OH-MnBP,3cx-MPP</i>	Jena, DE Scenario: Newborns first urine from mother-child pairs (n = 9; DF = 1; Sampling Period: 2010)	LOD: Not Reported LOQ: 1.0 µg/L	<LOQ	1.1 µg/L	NR	50th: <LOQ;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MnBP,3OH-MnBP,3cx-MPP</i>	Jena, DE Scenario: Newborns urine day 2 to 5 (n = 20; DF = 1; Sampling Period: 2008)	LOD: Not Reported LOQ: 1.0 µg/L	<LOQ	64.6 µg/L	NR	50th: 0.9 µg/L;	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during pre-intervention period in arm 1 (n = 21; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	14.7 µg/L (GM)	NR	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during intervention period in arm 1 (n = 21; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	23.0 µg/L (GM)	NR	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during post-intervention period in arm 1 (n = 21; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	16.1 µg/L (GM)	NR	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during pre-intervention period in arm 2 (n = 19; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	14.9 µg/L (GM)	NR	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during intervention period in arm 2 (n = 19; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	17.0 µg/L (GM)	NR	NR
Sathyanarayana et al. 2013 HERO ID: 1597638 [‡] <i>OQD:</i> Medium <i>MBP</i>	Seattle, WA, US Scenario: Urine sample during post-intervention period in arm 2 (n = 19; DF = 1.00; Sampling Period: 2013)	LOD: 0.95 - 1.07 µg/L LOQ: Not Reported	NR	NR	20.0 µg/L (GM)	NR	NR
Cantonwine et al. 2014 HERO ID: 2215404 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Northern Puerto Rico, PR Scenario: Urinary phthalates from pregnant women in Puerto Rico (n = 373; DF = 0.987; Sampling Period: 2010 - Nov., 2012)	LOD: Not Reported LOQ: Not Reported	95% Confidence Interval, Lower Limit: 17 ng/mL ; 95% Confidence Interval, Upper Limit: 21.7 ng/mL				
Fromme et al. 2013 HERO ID: 2215411 [‡] <i>OQD:</i> Medium <i>MnBP</i>	Bavaria, Berlin, and North Rhine-Westfalia, DE Scenario: Urine samples from German daycare centers (n = 663; DF = 1; Sampling Period: Nov., 2011 - May, 2012)	LOD: Not Reported LOQ: Not Reported	Sex difference p-value: 0.011 µg/L				

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MBP</i>	Boston, MA, US Scenario: Urine samples of pregnant women at median 9.71 weeks of gestation (n = 479; DF = 0.99; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	17.9 μg/L (GM)	NR	2.57 μg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MBP</i>	Boston, MA, US Scenario: Urine samples of pregnant women at median 17.9 weeks of gestation (n = 422; DF = 0.99; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	18.3 μg/L (GM)	NR	2.62 μg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MBP</i>	Boston, MA, US Scenario: Urine samples of pregnant women at median 26.0 weeks of gestation (n = 412; DF = 0.99; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	17.4 μg/L (GM)	NR	2.75 μg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MBP</i>	Boston, MA, US Scenario: Urine samples of pregnant women at median 35.1 weeks of gestation (n = 380; DF = 0.99; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	19.9 μg/L (GM)	NR	2.33 μg/L (GSD)
Geens et al. 2014 HERO ID: 2519090 [‡] <i>OQD:</i> Medium <i>MnBP</i>	5 Flemish Provinces, BE Scenario: Flemish adolescents urine samples (n = 206; DF = 0.981; Sampling Period: May, 2008 - May, 2009)	LOD: Not Reported LOQ: 0.041 μg/L	4.72 μg/g	1268 μg/g	29.72 μg/g (GM)	25th: 19.31 μg/g; 50th: 28.44 μg/g; 75th: 44.12 μg/g; 90th: 61.13 μg/g; 95th: 86.36 μg/g;	NR
Robledo et al. 2015 HERO ID: 2816868 [‡] <i>OQD:</i> Medium <i>MnBP, MiBP</i>	Oklahoma, US Scenario: Urine spot samples (n = 72; DF = 1.00; Sampling Period: Feb., 2008 - Jun., 2008)	LOD: Not Reported LOQ: Not Reported	33rd percentile: 22.20 μg/L ; 66th percentile: 43.40 μg/L ; 33rd percentile: 8.70 μg/L ; 66th percentile: 15.30 μg/L				
Chen et al. 2015 HERO ID: 2816869 [‡] <i>OQD:</i> Medium <i>MBP</i>	TW Scenario: Pre-Intervention Spot Urine (n = 30; DF = NR; Sampling Period: Summer, 2010)	LOD: 0.18 ng/mL LOQ: Not Reported	55.5 μg/g	482 μg/g	NR	50th: 117 μg/g;	NR
Chen et al. 2015 HERO ID: 2816869 [‡] <i>OQD:</i> Medium <i>MBP</i>	TW Scenario: Post-Intervention Spot Urine (n = 30; DF = NR; Sampling Period: Summer, 2010)	LOD: 0.18 ng/mL LOQ: Not Reported	36.3 μg/g	505 μg/g	NR	50th: 98.2 μg/g;	NR
Dewalque et al. 2015 HERO ID: 3045602 [‡] <i>OQD:</i> Medium <i>MnBP</i>	BE Scenario: Spot Urine Samples Collected Over 120 Days (n = 351; DF = 1.00; Sampling Period: Feb., 2013 - Jul., 2013)	LOD: Not Reported LOQ: Not Reported	2.3 μg/g	231.7 μg/g	10.7 μg/g (GM)	50th: 10.1 μg/g; 95th: 34.0 μg/g;	NR
Asimakopoulos et al. 2016 HERO ID: 3070934 [‡] <i>OQD:</i> High <i>mCPP</i>	Jeddah, SA Scenario: Urine from healthy general population in Jeddah, Saudi Arabia (n = 130; DF = 0.992; Sampling Period: May, 2014 - Jun., 2014)	LOD: 0.060 ng/mL LOQ: 0.2 ng/mL	0.035 ng/mL	0.035 ng/mL	34.6 ng/mL (AM)	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
Giovanoulis et al. 2016 HERO ID: 3455194 [‡] OQD: Medium MnBP	Oslo, NO Scenario: Urine samples from exposure to PSE's and DINCH (n = 61; DF = 0.95; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 2.2 µg/L	NR	NR	9.0 µg/g (GM)	25th: 4.8 µg/g; 50th: 9.1 µg/g; 95th: 38.8 µg/g;	NR
Giovanoulis et al. 2016 HERO ID: 3455194 [‡] OQD: Medium MnBP	Oslo, NO Scenario: Nail samples from exposure to PSE's and DINCH (n = 59; DF = 1; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 14.4 ng/g	NR	NR	89.3 ng/g (GM)	25th: 59.4 ng/g; 50th: 56.0 ng/g; 95th: 3272.3 ng/g;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] OQD: High MCPD	Boston, MA, US Scenario: Urine samples of women undergoing fertility treatment - MCPD (n = 840; DF = 0.88; Sampling Period: 2004 - 2017)	LOD: 0.18–0.40 µg/L LOQ: Not Reported	NR	NR	2.08 µg/L (GM)	25th: 0.70 µg/L; 75th: 5.45 µg/L;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] OQD: High MHBP	Boston, MA, US Scenario: Urine samples of women undergoing fertility treatment - MHBP (n = 272; DF = 0.55; Sampling Period: 2004 - 2017)	LOD: 0.40 µg/L LOQ: Not Reported	NR	NR	0.73 µg/L (GM)	25th: 0.28 µg/L; 75th: 1.55 µg/L;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] OQD: High MHBP	Boston, MA, US Scenario: Urine samples of men undergoing fertility treatment - MHBP (n = 272; DF = 0.53; Sampling Period: 2004 - 2017)	LOD: 0.40 µg/L LOQ: Not Reported	NR	NR	0.61 µg/L (GM)	25th: 0.28 µg/L; 75th: 1.10 µg/L;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] OQD: High MCPD	Boston, MA, US Scenario: Urine samples of men undergoing fertility treatment - MCPD (n = 840; DF = 0.94; Sampling Period: 2004 - 2017)	LOD: 0.18–0.40 µg/L LOQ: Not Reported	NR	NR	3.42 µg/L (GM)	25th: 1.30 µg/L; 75th: 8.55 µg/L;	NR

[‡] 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
Rudel et al. 2001 HERO ID: 198234 <i>OQD:</i> High	Massachusetts, US Scenario: Indoor air from residential and office areas - DBP (n = 6; DF = 1.0; Sampling Period: 2001)	LOD: 0.1385 μg LOQ: Not Reported	0.101 $\mu\text{g}/\text{m}^3$	0.431 $\mu\text{g}/\text{m}^3$	0.251 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR
Rudel et al. 2001 HERO ID: 198234 <i>OQD:</i> High	Massachusetts, US Scenario: Indoor air from workplace areas - DBP (n = 1; DF = 1.0; Sampling Period: 2001)	LOD: 0.1385 μg LOQ: Not Reported	POINT VALUE(S): [2.81 $\mu\text{g}/\text{m}^3$]				
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor air in 10 homes (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	300 ng/m^3	2300 ng/m^3	925 ng/m^3 (AM)	50th: 850 ng/m^3 ;	NR
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor air in 10 workplaces (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	190 ng/m^3	1200 ng/m^3	599 ng/m^3 (AM)	50th: 550 ng/m^3 ;	NR
Bergh et al. 2011 HERO ID: 788335 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor air in 10 day cares (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	330 ng/m^3	1700 ng/m^3	682 ng/m^3 (AM)	50th: 600 ng/m^3 ;	NR
Otake et al. 2004 HERO ID: 789515 <i>OQD:</i> Medium	Tokyo, JP Scenario: Indoor air from 27 houses (n = 27; DF = NR; Sampling Period: Apr., 2000 - Dec., 2000)	LOD: 2.5-5 pg LOQ: Not Reported	0.01 $\mu\text{g}/\text{m}^3$	6.18 $\mu\text{g}/\text{m}^3$	0.75 $\mu\text{g}/\text{m}^3$ (AM)	50th: 0.39 $\mu\text{g}/\text{m}^3$;	1.17 $\mu\text{g}/\text{m}^3$ (ASD)
Yoshida et al. 2006 HERO ID: 1949033 <i>OQD:</i> Medium	Osaka, JP Scenario: Indoor air in 101 cars (n = 101; DF = 1; Sampling Period: Mar., 2004 - Oct., 2004)	LOD: Not Reported LOQ: Not Reported	0.04 $\mu\text{g}/\text{m}^3$	3.03 $\mu\text{g}/\text{m}^3$	NR	50th: 0.27 $\mu\text{g}/\text{m}^3$;	NR
Chan et al. 2014 HERO ID: 2535652 <i>OQD:</i> Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 8 grocery stores (n = 8; DF = 0.375; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.34 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	1.1 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR
Chan et al. 2014 HERO ID: 2535652 <i>OQD:</i> Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 8 furniture/hardware stores (n = 8; DF = 0.25; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.34 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	0.3 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR
Chan et al. 2014 HERO ID: 2535652 <i>OQD:</i> Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 5 apparel stores (n = 5; DF = 0; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.34 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Azuma et al. 2017 HERO ID: 4165387 <i>OQD:</i> Medium	Tokyo, Osaka, and Fukuota, JP Scenario: Indoor air samples from office buildings in winter (n = 6; DF = 0; Sampling Period: Winter, 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	<LOD	NR	NR

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Azuma et al. 2017 HERO ID: 4165387 <i>OQD:</i> Medium	Tokyo, Osaka, and Fukuota, JP Scenario: Indoor air samples from office buildings in summer (n = 13; DF = 0; Sampling Period: Summer, 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	<LOD	NR	NR
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DBP concentration in reception hall - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [30 ng/m ³ ; 40 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DBP concentration in a patient room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [20 ng/m ³ ; 60 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DBP concentration in a nursing care room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [30 ng/m ³ ; 30 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DBP concentration in a post-anesthesia care unit - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [20 ng/m ³ ; 70 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DBP concentration in a plaster cast room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [40 ng/m ³ ; 60 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DBP concentration in reception hall - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [70 ng/m ³ ; 60 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DBP concentration in a patient room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [40 ng/m ³ ; 40 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DBP concentration in a nursing care room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [70 ng/m ³ ; 110 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DBP concentration in a post-anesthesia care unit - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [20 ng/m ³ ; 50 ng/m ³]				

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DBP concentration in a plaster cast room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [110 ng/m ³ ; 190 ng/m ³]				
Kanazawa et al. 2010 HERO ID: 697390 <i>OQD:</i> Medium	Sapporo, JP Scenario: Living room air from residential detached houses (n = 40; DF = 1; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 13.6 ng/m ³ LOQ: Not Reported	79.6 ng/m ³	740 ng/m ³	NR	50th: 200 ng/m ³ ;	NR
Bergh et al. 2011 HERO ID: 1249459 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor air from 169 apartments (n = 169; DF = NR; Sampling Period: winter, 2006 - winter, 2007)	LOD: 8.4 ng/m ³ LOQ: Not Reported	15 ng/m ³	1600 ng/m ³	270 ng/m ³ (AM)	50th: 190 ng/m ³ ;	NR
Blanchard et al. 2013 HERO ID: 1315297 <i>OQD:</i> High	Paris, FR Scenario: Office air (n = 6; DF = NR; Sampling Period: Jun., 2008 - Oct., 2008)	LOD: Not Reported LOQ: 10 pg/m ³	NR	NR	40.719 ng/m ³ (AM)	NR	28.648 ng/m ³ (ASD)
Otake et al. 2001 HERO ID: 1598712 <i>OQD:</i> Medium	Tokyo, JP Scenario: Indoor air from 6 contemporary Japanese houses (n = 6; DF = 1; Sampling Period: Apr., 2000 - May, 2000)	LOD: 10.0 pg LOQ: 0.39 µg	POINT VALUE(S): [0.60 µg/m ³ ; 0.31 µg/m ³ ; 0.52 µg/m ³ ; 0.50 µg/m ³ ; 0.21 µg/m ³ ; 0.11 µg/m ³]				
Fromme et al. 2013 HERO ID: 2215411 <i>OQD:</i> Medium	Bavaria, Berlin, and North Rhine-Westfalia, DE Scenario: Indoor air sample from German daycare centers (n = 63; DF = 0.95; Sampling Period: Nov., 2011 - May, 2012)	LOD: 3.0 ng/m ³ LOQ: 10 ng/m ³	49 ng/m ³	1276 ng/m ³	283 ng/m ³ (AM)	50th: 227 ng/m ³ ; 95th: 884 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in homes (n = 20; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	0.85 ng/m ³	451 ng/m ³	71.9 ng/m ³ (AM)	50th: 44.7 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in homes (n = 20; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	1.09 ng/m ³	111 ng/m ³	21.2 ng/m ³ (AM)	50th: 22.6 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in offices (n = 7; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	3.92 ng/m ³	102 ng/m ³	28.4 ng/m ³ (AM)	50th: 14.3 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in offices (n = 7; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	1.36 ng/m ³	36.4 ng/m ³	18.6 ng/m ³ (AM)	50th: 17.0 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in laboratories (n = 13; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	2.01 ng/m ³	21.3 ng/m ³	6.67 ng/m ³ (AM)	50th: 5.40 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in laboratories (n = 13; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	1.22 ng/m ³	40.7 ng/m ³	8.86 ng/m ³ (AM)	50th: 4.35 ng/m ³ ;	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
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in schools (n = 6; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	9.62 ng/m ³	94.3 ng/m ³	44.6 ng/m ³ (AM)	50th: 45.1 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in schools (n = 6; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	4.41 ng/m ³	33.4 ng/m ³	19.7 ng/m ³ (AM)	50th: 20.3 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in salons (n = 6; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	35.5 ng/m ³	90.8 ng/m ³	65.8 ng/m ³ (AM)	50th: 66.3 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in salons (n = 6; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	33.1 ng/m ³	1130 ng/m ³	473 ng/m ³ (AM)	50th: 315 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (particulate) in public places (n = 8; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.4 µg/g LOQ: 1.5 µg/g	11.0 ng/m ³	40.2 ng/m ³	22.7 ng/m ³ (AM)	50th: 21.4 ng/m ³ ;	NR
Tran et al. 2015 HERO ID: 2816872 <i>OQD:</i> Medium	Albany, NY, US Scenario: Indoor air (vapor) in public places (n = 8; DF = 1; Sampling Period: Jan., 2014 - May, 2014)	LOD: 0.03 ng/m ³ LOQ: 0.1 ng/m ³	1.58 ng/m ³	203 ng/m ³	68.6 ng/m ³ (AM)	50th: 65.7 ng/m ³ ;	NR
Takeuchi et al. 2015 HERO ID: 3005686 <i>OQD:</i> Medium	11 prefectures, JP Scenario: Indoor air from 21 suburban living rooms (n = 21; DF = 1.00; Sampling Period: Oct., 2013 - Jan., 2014)	LOD: Not Reported LOQ: 0.003 µg/m ³	NR	0.48 µg/m ³	NR	50th: 0.067 µg/m ³ ;	NR
Saini et al. 2015 HERO ID: 3009392 <i>OQD:</i> High	Toronto, CA Scenario: Passive air from vinyl tile floors from of buildings at the University of Toronto (n = 1; DF = 1; Sampling Period: Summer, 2012 - Fall, 2013)	LOD: 0.03 Other LOQ: Not Reported	64 ng/m ³	101 ng/m ³	85 ng/m ³ (GM)	NR	14 ng/m ³ (ASD)
Raffy et al. 2016 HERO ID: 3229681 <i>OQD:</i> High	Ille-et-Vilaine, Brittany, FR Scenario: Indoor air from French classrooms (n = 62; DF = 1; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 8 ng/m ³	NR	NR	NR	5th: 66 ng/m ³ ; 50th: 228 ng/m ³ ; 95th: 744 ng/m ³ ;	NR
Raffy et al. 2016 HERO ID: 3229681 <i>OQD:</i> High	Ille-et-Vilaine, Brittany, FR Scenario: Vacuumed dust from French classrooms (n = 89; DF = 1; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 526 ng/g	NR	NR	NR	5th: 11000 ng/g; 50th: 38200 ng/g; 95th: >52600 ng/g;	NR
Raffy et al. 2016 HERO ID: 3229681 <i>OQD:</i> High	Ille-et-Vilaine, Brittany, FR Scenario: Wiped dust from French classrooms (n = 64; DF = 1; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 333 ng/m ²	NR	NR	NR	5th: 4220 ng/m ² ; 50th: 15200 ng/m ² ; 95th: >33300 ng/m ² ;	NR
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (gaseous) from a day nursery (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 145.0 pg/m ³ LOQ: 484 pg/m ³	NR	NR	284.2 ng/m ³ (AM)	NR	86.8 ng/m ³ (ASD)

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (gaseous) from an apartment (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 145.0 pg/m ³ LOQ: 484 pg/m ³	NR	NR	204.9 ng/m ³ (AM)	NR	5.1 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (particulate) from an office (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 174.0 pg/m ³ LOQ: 582 pg/m ³	NR	NR	10.37 ng/m ³ (AM)	NR	7.07 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (particulate) from an apartment (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 174.0 pg/m ³ LOQ: 582 pg/m ³	NR	NR	15.12 ng/m ³ (AM)	NR	14.63 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (gaseous) from an office (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 145.0 pg/m ³ LOQ: 484 pg/m ³	NR	NR	133.1 ng/m ³ (AM)	NR	46.4 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (particulate) from a house (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 174.0 pg/m ³ LOQ: 582 pg/m ³	NR	NR	8.215 ng/m ³ (AM)	NR	2.743 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (gaseous) from a house (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 145.0 pg/m ³ LOQ: 484 pg/m ³	NR	NR	193.9 ng/m ³ (AM)	NR	65.8 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 OQD: Medium	near Paris, FR Scenario: Indoor air (particulate) from a day nursery (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 174.0 pg/m ³ LOQ: 582 pg/m ³	NR	NR	7.949 ng/m ³ (AM)	NR	2.887 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 OQD: Medium	Paris, FR Scenario: Office air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	58 ng/m ³ (AM)	NR	22 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 OQD: Medium	Paris, FR Scenario: Office air during heating season (n = 6; DF = NR; Sampling Period: Jan., 2012 - Mar., 2012)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	63 ng/m ³ (AM)	NR	6 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 OQD: Medium	Paris, FR Scenario: Apartment air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	100 ng/m ³ (AM)	NR	31 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 OQD: Medium	Paris, FR Scenario: Apartment air during heating season (n = 6; DF = NR; Sampling Period: Jan., 2012 - Mar., 2012)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	32 ng/m ³ (AM)	NR	23 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 OQD: Medium	Paris, FR Scenario: Nursery air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	70 ng/m ³ (AM)	NR	30 ng/m ³ (ASD)

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Nursery air during heating season (n = 6; DF = NR; Sampling Period: Jan., 2012 - Mar., 2012)	LOD: Not Reported LOQ: 9.6-69.4 pg/m ³	NR	NR	75 ng/m ³ (AM)	NR	21 ng/m ³ (ASD)
Kim et al. 2017 HERO ID: 4178500 <i>OQD:</i> Medium	Pusan region; Daegu region, KR Scenario: Indoor air of home living rooms (n = 8; DF = 1; Sampling Period: Aug., 2013 - Apr., 2014)	LOD: 2.0 ng LOQ: Not Reported	0.22 µg/m ³	0.72 µg/m ³	0.53 µg/m ³ (AM)	NR	NR
Kim et al. 2017 HERO ID: 4178500 <i>OQD:</i> Medium	Pusan region; Daegu region, KR Scenario: Indoor air of Kindergarten classrooms (n = 6; DF = 1; Sampling Period: Aug., 2014)	LOD: 2.0 ng LOQ: Not Reported	0.14 µg/m ³	0.45 µg/m ³	0.31 µg/m ³ (AM)	NR	NR
Okeme et al. 2018 HERO ID: 4659643 <i>OQD:</i> Medium	Greater Toronto Area, Ottawa, CA Scenario: Air in homes from polyurethane foam sampling (n = 51; DF = 1; Sampling Period: Feb., 2015 - Aug., 2015)	LOD: 3.0 NR LOQ: 10 NR or NA	39 ng/m ³	860 ng/m ³	160 ng/m ³ (AM)	50th: 110 ng/m ³ ;	140 ng/m ³ (ASD)
Okeme et al. 2018 HERO ID: 4659643 <i>OQD:</i> Medium	Greater Toronto Area, Ottawa, CA Scenario: Air in homes from polydimethylsiloxane sampling (n = 51; DF = 1; Sampling Period: Feb., 2015 - Aug., 2015)	LOD: 3.0 NR LOQ: 10 NR or NA	20 ng/m ³	860 ng/m ³	120 ng/m ³ (AM)	50th: 80 ng/m ³ ;	160 ng/m ³ (ASD)
Okeme et al. 2018 HERO ID: 4659643 <i>OQD:</i> Medium	Toronto, Ontario, CA Scenario: Air from computer laboratory (n = 51; DF = 0.8; Sampling Period: May, 2016 - Jul., 2016)	LOD: 3.0 NR LOQ: 10 NR or NA	NR	NR	54 ng/m ³ (AM)	NR	10 % (CV)
Dodson et al. 2019 HERO ID: 5432871 <i>OQD:</i> High	Greater Boston, MA, US Scenario: Indoor air from a variety of spaces. Active air sampling (n = 37; DF = 1; Sampling Period: Oct., 2013 - Jul., 2015)	LOD: Not Reported LOQ: 26 ng/m ³	29 ng/m ³	1400 ng/m ³	NR	50th: 310 ng/m ³ ; 95th: 2100 ng/m ³ ;	NR
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE Scenario: Indoor air from 62 apartments (n = 62; DF = 1.0; Sampling Period: 2008)	LOD: Not Reported LOQ: Not Reported	44 ng/m ³	1140 ng/m ³	NR	25th: 149 ng/m ³ ; 50th: 207 ng/m ³ ; 75th: 347 ng/m ³ ;	NR
Dodson et al. 2017 HERO ID: 5755270 <i>OQD:</i> High	Boston, MA, US Scenario: Indoor air from green, low-income housing, PRE-occupancy (n = 10; DF = 1; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 65.0 ng/m ³ LOQ: 96 ng/m ³	350 ng/m ³	1300 ng/m ³	630 ng/m ³ (GM)	50th: 610 ng/m ³ ; 95th: 1100 ng/m ³ ;	NR
Dodson et al. 2017 HERO ID: 5755270 <i>OQD:</i> High	Boston, MA, US Scenario: Indoor air from green, low-income housing, POST-occupancy (n = 25; DF = 1; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 65.0 ng/m ³ LOQ: 96 ng/m ³	190 ng/m ³	1700 ng/m ³	410 ng/m ³ (GM)	50th: 340 ng/m ³ ; 95th: 1400 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
Brandli et al. 2007 HERO ID: 198168 <i>OQD:</i> Low	Not reported, CH Scenario: Compost from commercial plants in Switzerland (n = 4; DF = 0; Sampling Period: 2007)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Brandli et al. 2007 HERO ID: 198168 <i>OQD:</i> Low	Not reported, CH Scenario: Digestate from commercial plants in Switzerland (n = 2; DF = 0.5; Sampling Period: 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [110 µg/kg]				
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Coach Terminal Station, CN Scenario: Organic film from Coach Terminal Station (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.0615 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Ninghe garden, CN Scenario: Organic film from NingHe garden (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.0525 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Lanshan district, CN Scenario: Organic film from Lanshan district (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.23 Other (AM)	NR	NR
Yasuhara et al. 1995 HERO ID: 5469470 <i>OQD:</i> Low	Central Japan, JP Scenario: Leachates from 4 controlled hazardous waste landfills (n = 4; DF = 0.50; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [20.2 mg/mL; 18.5 mg/mL; ND mg/mL; ND mg/mL]				
Yasuhara et al. 1995 HERO ID: 5469470 <i>OQD:</i> Low	North East Japan, JP Scenario: Leachate from single open hazardous waste landfill (n = 1; DF = 0; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [ND mg/mL]				
Wilk et al. 2019 HERO ID: 5709835 <i>OQD:</i> Medium	Pomerania region and Gdynia, PL Scenario: Landfill leachate from a previous cell (PP-LLCs) (n = 8; DF = 0; Sampling Period: Jan., 2015 - Apr., 2016)	LOD: 16.1 µg/L LOQ: 53.6 µg/L	NR	NR	<LOD	NR	NR
Wilk et al. 2019 HERO ID: 5709835 <i>OQD:</i> Medium	Pomerania region and Gdynia, PL Scenario: Landfill leachate from a modern cell (MP-LLCs) (n = 9; DF = 0; Sampling Period: Jan., 2015 - Apr., 2016)	LOD: 16.1 µg/L LOQ: 53.6 µg/L	NR	NR	<LOD	NR	NR
Başaran et al. 2020 HERO ID: 6813710 <i>OQD:</i> Medium	Kocaeli Province, TR Scenario: Road dust in front of homes (n = 90; DF = 1; Sampling Period: Feb., 2016 - Apr., 2016)	LOD: Not Reported LOQ: 0.002 ng/g	0.02 µg/g	0.93 µg/g	0.38 µg/g (AM)	50th: 0.32 µg/g;	0.21 µg/g (ASD)
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Leachates from active landfills in Poland (n = 11; DF = 0.82; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.008 µg/L LOQ: 0.023 µg/L	<LOD	6.34 µg/L	1.86 µg/L (AM)	50th: 0.46 µg/L;	0.55 µg/L (ASD)
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Leachates from close landfills in Poland (n = 7; DF = 1; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.008 µg/L LOQ: 0.023 µg/L	0.27 µg/L	2.41 µg/L	1.12 µg/L (AM)	50th: 0.88 µg/L;	0.88 µg/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Yasuhara et al. 1999 HERO ID: 659131 <i>OQD:</i> Medium	Not Reported, JP Scenario: Landfill leachate from hazardous waste disposal sites (n = 11; DF = 0.18; Sampling Period: 1995)	LOD: Not Reported LOQ: 700.0 ng/L	NR	2700.0 ng/L	NR	50th: 1800.0 ng/L;	NR
Llompart et al. 2013 HERO ID: 1597738 <i>OQD:</i> High	Northwestern Spain, ES Scenario: Rubber recycled tire tiles and puzzle pavers from a local store northwestern Spain. (n = 7; DF = 0.33; Sampling Period: 2012)	LOD: 2.0 ng/mL LOQ: Not Reported	4.18 µg/g	151.0 µg/g	43.6 µg/g (AM)	50th: 10.1 µg/g;	NR
Llompart et al. 2013 HERO ID: 1597738 <i>OQD:</i> High	Northwestern Spain, ES Scenario: Rubber recycled tire ground cover from nine urban playgrounds across northwestern Spain. (n = 15; DF = 0.71; Sampling Period: 2012)	LOD: 2.0 ng/mL LOQ: Not Reported	0.29 µg/g	1.97 µg/g	0.59 µg/g (AM)	50th: 0.43 µg/g;	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
Adibi et al. 2003 HERO ID: 674904 <i>OQD:</i> Medium	New York City, NY USA, US Scenario: Personal air samples in pregnant New York subjects (n = 30; DF = 1; Sampling Period: Mar., 2000 - Jul., 2000)	LOD: Not Reported LOQ: Not Reported	0.11 $\mu\text{g}/\text{m}^3$	4.1 $\mu\text{g}/\text{m}^3$	0.58 $\mu\text{g}/\text{m}^3$ (GM)	50th: 0.4 $\mu\text{g}/\text{m}^3$;	0.73 $\mu\text{g}/\text{m}^3$ (ASD)
Adibi et al. 2003 HERO ID: 674904 <i>OQD:</i> Medium	Krakow, Poland, PL Scenario: Personal air samples in pregnant Krakow subjects (n = 30; DF = 1; Sampling Period: Nov., 2000 - Mar., 2001)	LOD: Not Reported LOQ: Not Reported	0.75 $\mu\text{g}/\text{m}^3$	15.0 $\mu\text{g}/\text{m}^3$	2.9 $\mu\text{g}/\text{m}^3$ (GM)	50th: 2.3 $\mu\text{g}/\text{m}^3$;	2.5 $\mu\text{g}/\text{m}^3$ (ASD)
Okeme et al. 2018 HERO ID: 5017615 <i>OQD:</i> Medium	Toronto, CA Scenario: Five participants using computer workstations in their offices for 8 hr work day (low volume active air samplers) (n = 5; DF = 1; Sampling Period: Jan., 2016)	LOD: 0.11 pg/m^3 LOQ: 0.38 pg/m^3	69.0 ng/m^3	140.0 ng/m^3	112.6 ng/m^3 (AM)	NR	30.63 ng/m^3 (ASD)
Okeme et al. 2018 HERO ID: 5017615 <i>OQD:</i> Medium	Toronto, CA Scenario: Three office workers sampled for 7 consecutive days, mainly indoors at home and office (passive polydimethylsiloxane brooch samplers) (n = 3; DF = 1; Sampling Period: winter, 2016)	LOD: 0.11 pg/m^3 LOQ: 0.38 pg/m^3	207.0 ng/m^3	374.0 ng/m^3	266.67 ng/m^3 (AM)	50th: 219.0 ng/m^3 ;	93.15 ng/m^3 (ASD)

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Sediment from North Central False Creek Harbor (n = 16; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	85.85 ppb (AM)	NR	91.20 ppb (ASD)
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Sediment from East Basin False Creek Harbor (n = 16; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	94.73 ppb (AM)	NR	60.58 ppb (ASD)
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Sediment from Marina-South False Creek Harbor (n = 16; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	74.67 ppb (AM)	NR	254.99 ppb (ASD)
Lin et al. 2003 HERO ID: 680053 <i>OQD:</i> High	Vancouver, BC, CA Scenario: Sediment from Cambie Bridge False Creek Harbor (n = 16; DF = NR; Sampling Period: Jan., 2003)	LOD: 4.2 ng/g LOQ: Not Reported	NR	NR	37.00 ppb (AM)	NR	26.58 ppb (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	South east Sweden, SE Scenario: Sediment samples from upstream of Tarkett at Ronneby Brunn (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	182 ng/g (AM)	NR	36 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Abisko, NE Sweden, SE Scenario: Sediment samples from Abiskojuare, Sweden (n = 2; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	5 ng/g (AM)	NR	1 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Gällivare, north central Sweden, SE Scenario: Sediment samples from Jutsajaure, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	6 ng/g (AM)	NR	11 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Fuxerna socken, Sweden, SE Scenario: Sediment samples from Fräcksjön, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	56 ng/g (AM)	NR	27 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Ucklum, Sweden, SE Scenario: Sediment samples from Härsvatten, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	2 ng/g (AM)	NR	3 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Hedemora, Sweden, SE Scenario: Sediment samples from Brunnsjon, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	3 ng/g (AM)	NR	6 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Sovestad, Sweden, SE Scenario: Sediment samples from Krageholmssjön Reference lake, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	8 ng/g (AM)	NR	7 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Södermanland, Sweden, SE Scenario: Sediment samples from Stensjon, Sweden (n = 3; DF = 1; Sampling Period: Oct., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	1 ng/g (AM)	NR	1 ng/g (ASD)

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Blekinge County, Sweden, SE Scenario: Sediment samples from Holmasjön, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	71 ng/g (AM)	NR	83 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Dalsland, Sweden, SE Scenario: Sediment samples from Lesjön, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	30 ng/g (AM)	NR	15 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Alvsborg, SE Scenario: Sediment samples from Breddreven, Sweden (n = 2; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	0 ng/g (AM)	NR	0 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	OErebro, Sweden, SE Scenario: Sediment samples from Torrvärpen, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	63 ng/g (AM)	NR	71 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	SW, SE Scenario: Sediment samples from Halvarsnorel, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	179 ng/g (AM)	NR	176 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Orebro, SE Scenario: Sediment samples from Möckeln, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	25 ng/g (AM)	NR	27 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Orebro, SE Scenario: Sediment samples from Årstaviken Bay, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	12 ng/g (AM)	NR	1 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Trollhattan, SE Scenario: Sediment samples from the Gota Älv River North of Trollhattan, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	1 ng/g (AM)	NR	1 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Södermanland and Uppland, SE Scenario: Sediment samples from Riddarfjärden, Stockholm (n = 6; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	76 ng/g (AM)	NR	40 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Äle, SE Scenario: Sediment samples from the Göta Älv River, Bohus, Sweden (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	3 ng/g (AM)	NR	2 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Örebro County, SE Scenario: Sediment samples from ECO AB at Svartan River (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	41 ng/g (AM)	NR	69 ng/g (ASD)
Parkman et al. 1995 HERO ID: 680108 OQD: Low	Örebro County, SE Scenario: Sediment samples from upstream of ECO AB at Ormaryd River (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	5 ng/g (AM)	NR	5 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Parkman et al. 1995 HERO ID: 680108 <i>OQD:</i> Low	Blekinge, Southern Sweden, SE Scenario: Sediment samples from Tarkett in Ronnebyhamn (n = 3; DF = 1; Sampling Period: Sept., 1994)	LOD: 1.90 ppb LOQ: Not Reported	NR	NR	182 ng/g (AM)	NR	258 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 1) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	185 ng/g (AM)	NR	79 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 3) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	430 ng/g (AM)	NR	150 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River discharge pond sediment (n = 3; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	200 ng/g (AM)	NR	100 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Frye Farm Morgan Creek sediment (n = 4; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	59 ng/g (AM)	NR	23 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Morgan Creek site sediment (n = 4; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	45 ng/g (AM)	NR	8 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chestertown bridge river sediment (n = 6; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	49 ng/g (AM)	NR	11 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 7) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	50 ng/g (AM)	NR	11 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 6) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	900 ng/g (AM)	NR	440 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 5) (n = 6; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	560 ng/g (AM)	NR	230 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 4) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	740 ng/g (AM)	NR	290 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 2) (n = 5; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	186 ng/g (AM)	NR	93 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River mouth sediment (Site R) (n = 6; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	28 ng/g (AM)	NR	4 ng/g (ASD)
Mcdowell et al. 2001 HERO ID: 1322016 <i>OQD:</i> Medium	Ontario, CA Scenario: Sediments near STP Outflow in Hamilton Harbour (n = 5; DF = 0; Sampling Period: Summer, 1997)	LOD: 0.30 µg/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Liu et al. 2014 HERO ID: 2349860 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Zhujiang river sediment (n = 11; DF = 1; Sampling Period: Jul., 2006)	LOD: 1-9 pg LOQ: 1.12-8.59 ng/g	0.213 µg/g	5.03 µg/g	1.51 µg/g (AM)	50th: 0.879 µg/g;	1.39 µg/g (ASD)
Liu et al. 2014 HERO ID: 2349860 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Dongjiang river sediment (n = 21; DF = 1; Sampling Period: Jul., 2006)	LOD: 1-9 pg LOQ: 1.12-8.59 ng/g	0.042 µg/g	1.06 µg/g	0.344 µg/g (AM)	50th: 0.197 µg/g;	0.303 µg/g (ASD)
Liu et al. 2014 HERO ID: 2349860 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Xijiang river sediment (n = 15; DF = 1; Sampling Period: Jul., 2006)	LOD: 1-9 pg LOQ: 1.12-8.59 ng/g	0.061 µg/g	0.282 µg/g	0.127 µg/g (AM)	50th: 0.112 µg/g;	0.056 µg/g (ASD)
Liu et al. 2014 HERO ID: 2349860 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Beijiang river sediment (n = 11; DF = 1; Sampling Period: Jul., 2006)	LOD: 1-9 pg LOQ: 1.12-8.59 ng/g	0.061 µg/g	0.248 µg/g	0.109 µg/g (AM)	50th: 0.083 µg/g;	0.055 µg/g (ASD)
Liu et al. 2014 HERO ID: 2349860 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Shunde river sediment (n = 10; DF = 1; Sampling Period: Jul., 2006)	LOD: 1-9 pg LOQ: 1.12-8.59 ng/g	0.091 µg/g	0.322 µg/g	0.154 µg/g (AM)	50th: 0.118 µg/g;	0.078 µg/g (ASD)
Tran et al. 2014 HERO ID: 2519056 <i>OQD:</i> Medium	Essonne, FR Scenario: Sediment from WWTP influent water (n = 48; DF = NR; Sampling Period: Feb., 2010 - Feb., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	13.8 µg/L (GM)	NR	9.0 µg/L (GSD)
Tran et al. 2014 HERO ID: 2519056 <i>OQD:</i> Medium	Essonne, FR Scenario: Sediment from WWTP effluent water (n = 48; DF = NR; Sampling Period: Feb., 2010 - Feb., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	11.1 µg/L (GM)	NR	4.9 µg/L (GSD)
Zhang et al. 2015 HERO ID: 3045478 <i>OQD:</i> Medium	Wangyang River (WYR), Shijiazhuang City, Hebei Province, CN Scenario: Sediment (0–5 cm) from 13 sites along the Wangyang River downstream of WWTP discharge (n = 39; DF = 1; Sampling Period: Jun., 2013)	LOD: Not Reported LOQ: Not Reported	0.042 µg/L	0.159 µg/L	0.084 µg/L (AM)	50th: 0.072 µg/L;	0.033 µg/L (ASD)
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Sediment from Jiulong River - North River (n = 11; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: 0.001 mg/kg	0.003 mg/kg	0.17 mg/kg	0.041 mg/kg (AM)	50th: 0.033 mg/kg;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Sediment from Jiulong River - West River (n = 14; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: 0.001 mg/kg	0.004 mg/kg	0.23 mg/kg	0.055 mg/kg (AM)	50th: 0.044 mg/kg;	NR
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Sediment from Jiulong River - Estuary (n = 5; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: 0.001 mg/kg	0.003 mg/kg	0.093 mg/kg	0.020 mg/kg (AM)	50th: 0.014 mg/kg;	NR
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 1 (Harbor entrance) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	93.1 ng/g (AM)	NR	107 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 2 (Harbor entrance) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	42.8 ng/g (AM)	NR	24.8 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 3 (Harbor entrance) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	38.3 ng/g (AM)	NR	44.7 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 4 (Love River, port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	51.7 ng/g (AM)	NR	31.2 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 5 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	41.1 ng/g (AM)	NR	47.0 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 6 (Canon River, port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	74.0 ng/g (AM)	NR	51.9 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 7 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	47.4 ng/g (AM)	NR	28.0 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 8 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	101 ng/g (AM)	NR	80.4 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 9 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	67.2 ng/g (AM)	NR	49.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 10 (Jen-Gen River) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	77.7 ng/g (AM)	NR	44.5 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 11 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	45.7 ng/g (AM)	NR	27.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 12 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	64.4 ng/g (AM)	NR	31.4 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 13 (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	50.2 ng/g (AM)	NR	30.7 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 14 (port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	42.8 ng/g (AM)	NR	29.0 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 15 (Harbor outlet) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	73.6 ng/g (AM)	NR	65.5 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 16 (port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	75.8 ng/g (AM)	NR	41.1 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 17 (port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	49.3 ng/g (AM)	NR	44.8 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 18 (Salt River, port) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	259 ng/g (AM)	NR	122 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 19 (Harbor outlet) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	37.3 ng/g (AM)	NR	18.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> High	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 20 (Harbor outlet) (n = 4; DF = 0.963; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.0 ng/g LOQ: Not Reported	NR	NR	75.5 ng/g (AM)	NR	6.9 ng/g (ASD)
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: SPM from Jiulong River estuary during wet season (n = 15; DF = 1; Sampling Period: Aug., 2014)	LOD: Not Reported LOQ: Not Reported	0.40 mg/kg	4.27 mg/kg	2.17 mg/kg (AM)	50th: 2.22 mg/kg;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: SPM from Jiulong River estuary during normal season (n = 15; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	0.13 mg/kg	1.31 mg/kg	0.65 mg/kg (AM)	50th: 0.66 mg/kg;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: SPM from Jiulong River estuary during dry season (n = 15; DF = 1; Sampling Period: Jan., 2015)	LOD: Not Reported LOQ: Not Reported	0.071 mg/kg	1.80 mg/kg	0.63 mg/kg (AM)	50th: 0.72 mg/kg;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Sediment from Jiulong River estuary during wet season (n = 15; DF = 1; Sampling Period: Aug., 2014)	LOD: Not Reported LOQ: Not Reported	1.6 µg/kg	41.4 µg/kg	19.2 µg/kg (AM)	50th: 21.5 µg/kg;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Sediment from Jiulong River estuary during normal season (n = 15; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	6.1 µg/kg	19.3 µg/kg	11.5 µg/kg (AM)	50th: 10.8 µg/kg;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Sediment from Jiulong River estuary during dry season (n = 15; DF = 1; Sampling Period: Jan., 2015)	LOD: Not Reported LOQ: Not Reported	3.3 µg/kg	92.8 µg/kg	20.5 µg/kg (AM)	50th: 14.7 µg/kg;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Zhongshan (n = 12; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	0.16 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Jiangmen (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	0.32 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Nanhai (n = 12; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	3.67 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Shunde (n = 16; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	2.91 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Huizhou (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	0.71 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Huadu (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	1.32 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Dongguan (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	3.34 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Guangzhou (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	0.98 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Surface sediment (0-10cm) from aquaculture fish ponds in Pearl River Delta - Nansha (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: 0.05 ng/g LOQ: 8.0 ng/g	NR	NR	3.13 mg/kg (AM)	NR	NR
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Sediment affected from industrial complex (n = 47; DF = 0.64; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.40 µg/kg LOQ: 1.21 µg/kg	ND	535 µg/kg	73.6 µg/kg (AM)	50th: 13.3 µg/kg;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sun et al. 2014 HERO ID: 5188487 <i>OQD:</i> High	Pearl River Delta region, CN Scenario: Sediments in dry season (n = 12; DF = 1; Sampling Period: Dec., 2008)	LOD: 0.01 ng/g LOQ: Not Reported	470 ng/g	1500 ng/g	NR	NR	NR
Sun et al. 2014 HERO ID: 5188487 <i>OQD:</i> High	Pearl River Delta region, CN Scenario: Sediments in wet season (n = 12; DF = 1; Sampling Period: Jul., 2009)	LOD: 0.01 ng/g LOQ: Not Reported	310 ng/g	2800 ng/g	NR	NR	NR
Sardiña et al. 2019 HERO ID: 5412432 <i>OQD:</i> High	Melbourne; Ballarat; Bendigo; Geelong; Latrobe Valley, AU Scenario: Sediment from aquatic ecosystems on various land-use types (n = 25; DF = 0; Sampling Period: Aug., 2019)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Sediment from the Haizhou Bay in the Yellow Sea (n = 5; DF = 1; Sampling Period: Nov., 2014)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [8.04 mg/kg; 2.02 mg/kg; 1.80 mg/kg; 0.63 mg/kg]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Sediment from the Bonhai Sea in the Yellow River Estuary outlet (n = 7; DF = 1; Sampling Period: Nov., 2014)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [5.25 mg/kg; 8.85 mg/kg; 3.53 mg/kg; 7.30 mg/kg; 7.60 mg/kg; 5.90 mg/kg; 4.60 mg/kg]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Sediment from the Yellow Sea in the Blue Economic Zone (n = 6; DF = 1; Sampling Period: Nov., 2014)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [3.10 mg/kg; 4.83 mg/kg; 3.12 mg/kg; 3.15 mg/kg; 1.10 mg/kg; 4.32 mg/kg]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Sediment from the Bonhai Sea and the Yellow Sea (n = 20; DF = 1; Sampling Period: Nov., 2014)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.03 mg/kg; 4.07 mg/kg; 4.79 mg/kg; 2.11 mg/kg; 1.25 mg/kg; 3.08 mg/kg; 1.02 mg/kg; 3.76 mg/kg; 0.74 mg/kg; 0.55 mg/kg; 0.56 mg/kg; 4.43 mg/kg; 0.67 mg/kg; 0.30 mg/kg; 2.72 mg/kg; 0.54 mg/kg; 0.55 mg/kg; 0.95 mg/kg; 2.45 mg/kg; 0.62 mg/kg]				
Zhang et al. 2018 HERO ID: 5433253 <i>OQD:</i> High	Eastern Coast of China, CN Scenario: Sediment (0-5cm) from Changjiang River Estuary and adjacent area (n = 17; DF = 0.94; Sampling Period: Mar., 2015)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [3.08 µg/g; 4.04 µg/g; 1.74 µg/g; 0.34 µg/g; 3.03 µg/g; 5.63 µg/g; 7.08 µg/g; 1.11 µg/g; 1.2 µg/g; 1.76 µg/g; 2.36 µg/g; 2 µg/g; 2.12 µg/g; 3.59 µg/g; ND µg/g; 4.69 µg/g; 4.96 µg/g]				
Wu et al. 2019 HERO ID: 5433502 <i>OQD:</i> High	Yuyao City, Zhejiang Province, CN Scenario: Sediment samples from downwind of a plastic market (n = 16; DF = 1; Sampling Period: May, 2017)	LOD: Not Reported LOQ: 0.7 ng/g	952 ng/g	12424 ng/g	3431 ng/g (AM)	50th: 2330 ng/g;	NR
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area II: vertex angle of disposed area, TW Scenario: Sediment (0-15 cm) from vertex angle of Kaohsiung Ocean Dredged Material Disposal Site - Area II, Site 4 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	122 ng/g (AM)	NR	80.3 ng/g (ASD)

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area I: centre of disposed area, TW Scenario: Sediment (0-15 cm) from centers of Kaohsiung Ocean Dredged Material Disposal Site - Area I, Site 6 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	124 ng/g (AM)	NR	178 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area I: centre of disposed area, TW Scenario: Sediment (0-15 cm) from centers of Kaohsiung Ocean Dredged Material Disposal Site - Area I, Site 7 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	62 ng/g (AM)	NR	NR
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area I: centre of disposed area, TW Scenario: Sediment (0-15 cm) from centers of Kaohsiung Ocean Dredged Material Disposal Site - Area I, Site 8 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	108 ng/g (AM)	NR	35.8 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area I: centre of disposed area, TW Scenario: Sediment (0-15 cm) from centers of Kaohsiung Ocean Dredged Material Disposal Site - Area I, Site 9 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	136 ng/g (AM)	NR	80.9 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area II: vertex angle of disposed area, TW Scenario: Sediment (0-15 cm) from vertex angle of Kaohsiung Ocean Dredged Material Disposal Site - Area II, Site 1 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	67.4 ng/g (AM)	NR	21 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area II: vertex angle of disposed area, TW Scenario: Sediment (0-15 cm) from vertex angle of Kaohsiung Ocean Dredged Material Disposal Site - Area II, Site 2 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	43.5 ng/g (AM)	NR	22.4 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area II: vertex angle of disposed area, TW Scenario: Sediment (0-15 cm) from vertex angle of Kaohsiung Ocean Dredged Material Disposal Site - Area II, Site 3 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	42.1 ng/g (AM)	NR	16.6 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area II: vertex angle of disposed area, TW Scenario: Sediment (0-15 cm) from vertex angle of Kaohsiung Ocean Dredged Material Disposal Site - Area II, Site 5 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	71.6 ng/g (AM)	NR	43.4 ng/g (ASD)

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area R: outer disposal site, TW Scenario: Sediment (0-15 cm) from outer of Kaohsiung Ocean Dredged Material Disposal Site - Area R, Site 10 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	44.4 ng/g (AM)	NR	7 ng/g (ASD)
Chen et al. 2017 HERO ID: 5494792 <i>OQD:</i> Medium	Kaohsiung Ocean Dredged Material Disposal Site Taiwan; Area R: outer disposal site, TW Scenario: Sediment (0-15 cm) from outer of Kaohsiung Ocean Dredged Material Disposal Site - Area R, Site 11 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.4 ng/g LOQ: Not Reported	NR	NR	22.4 ng/g (AM)	NR	7.1 ng/g (ASD)
Hart et al. 2005 HERO ID: 5821282 <i>OQD:</i> Medium	Utah, US Scenario: Sediment from Knowles Canyon, a side canyon of Lake Powell (n = 3; 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 <i>OQD:</i> Medium	Utah, US Scenario: Sediment from Forgotten Canyon, a side canyon of Lake Powell (n = 3; 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 <i>OQD:</i> Medium	Utah, US Scenario: Sediment from Moqui Canyon, a side canyon of Lake Powell (n = 6; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	< 0.5 ug/L (AM)	NR	NR
Zhang et al. 2019 HERO ID: 5933853 <i>OQD:</i> High	East China Sea, CN Scenario: Sediment samples from East China Sea (n = 19; DF = 1; Sampling Period: Mar., 2017 - Apr., 2017)	LOD: 0.12-1.6 µg/kg LOQ: Not Reported	POINT VALUE(S): [699 µg/kg; 727 µg/kg; 430 µg/kg; 693 µg/kg; 538 µg/kg; 1847 µg/kg; 4574 µg/kg; 743 µg/kg; 1342 µg/kg; 636 µg/kg; 273 µg/kg; 854 µg/kg; 551 µg/kg; 4414 µg/kg; 609 µg/kg; 767 µg/kg; 449 µg/kg; 586 µg/kg; 15103 µg/kg]				
Lee et al. 2020 HERO ID: 6815985 <i>OQD:</i> High	East Sea, South Sea, and Yellow Sea, Korea, KR Scenario: Surface sediment from Korea coastal regions (n = 50; DF = 1; Sampling Period: 2016)	LOD: Not Reported LOQ: 0.022 ng/g	0.48 ng/g	56.2 ng/g	9.10 ng/g (AM)	50th: 3.32 ng/g;	NR
Nagorka et al. 2020 HERO ID: 6816080 <i>OQD:</i> High	Elbe with tributaries; Rhine; Saar; Danube, DE Scenario: SPM from 11 federal German waterway sites in 2005/06 (n = 11; DF = 0.64; Sampling Period: 2005 - 2006)	LOD: 32 ng/g LOQ: 97 ng/g	<LOQ	543 ng/g	166 ng/g (AM)	50th: 148 ng/g;	NR
Nagorka et al. 2020 HERO ID: 6816080 <i>OQD:</i> High	Elbe with tributaries; Rhine; Saar; Danube, DE Scenario: SPM from 13 federal German waterway sites in 2017 (n = 13; DF = 0.91; Sampling Period: 2017)	LOD: 32 ng/g LOQ: 97 ng/g	<LOQ	339 ng/g	193 ng/g (AM)	50th: 191 ng/g;	NR
Zhang et al. 2020 HERO ID: 6957439 <i>OQD:</i> Medium	East China Sea, CN Scenario: Sediment samples from East China Sea - Summer (n = 56; DF = 1; Sampling Period: Jul., 2015)	LOD: 0.12-1.6 µg/kg LOQ: Not Reported	NR	NR	NR	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
McConnell et al. 2007 HERO ID: 10365669 ‡ <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Surficial sediment (0.5-1.0cm) from False Creek Harbour - MnBP (n = 10; DF = 0.5; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 5.5 ng/g LOQ: 14 ng/g	NR	NR	4.0 ng/g (AM)	NR	1.8 ng/g (ASD)
McConnell et al. 2007 HERO ID: 10365669 <i>OQD:</i> High	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Surficial sediment (0.5-1.0cm) from False Creek Harbour (n = 10; DF = 1; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 10 ng/g LOQ: 27 ng/g	NR	NR	15 ng/g (AM)	NR	1.2 ng/g (ASD)
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in sediment from Taiwan rivers - low/high flow average (n = 128; DF = NR; Sampling Period: Aug., 2004 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	<LOD	1.3 mg/kg	0.12 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in sediment from Taiwan rivers - low-flow season (n = 64; DF = NR; Sampling Period: Mar., 2005 - Apr., 2005)	LOD: 0.008 mg/kg LOQ: Not Reported	<LOD	1.3 mg/kg	0.14 mg/kg (AM)	NR	NR
Huang et al. 2008 HERO ID: 675207 <i>OQD:</i> High	TW Scenario: Phthalate concentrations in sediment from Taiwan rivers - high-flow season (n = 64; DF = NR; Sampling Period: Aug., 2004 - Oct., 2004)	LOD: 0.008 mg/kg LOQ: Not Reported	<LOD	0.22 mg/kg	0.09 mg/kg (AM)	NR	NR
Björklund et al. 2009 HERO ID: 679890 <i>OQD:</i> Medium	Nybohov, Stockholm; Skarpnack, Stockholm; Garda, Goteborg, SE Scenario: Sediment chambers following storm events - Garda (n = 4; DF = 1; Sampling Period: Jun., 2006 - Oct., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.289 µg/g; 0.379 µg/g; 0.408 µg/g; 0.292 µg/g]				
Blair et al. 2009 HERO ID: 787951 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Vancouver, British Columbia, CA Scenario: Sediment from False Creek, Vancouver (n = 10; DF = 1.0; Sampling Period: May, 2004 - Sept., 2006)	LOD: 0.08 ng/g LOQ: Not Reported	5.30 ng/g	20.11 ng/g	NR	NR	NR
de Los Ríos et al. 2012 HERO ID: 1401402 <i>OQD:</i> Medium	Cantabria, northern Spain, ES Scenario: Sediment from the control site in Cantabria, Spain. (n = 3; DF = 1; Sampling Period: May, 2007 - Aug., 2007)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.67 µg/L (AM)	NR	0.07 µg/L (ASD)
de Los Ríos et al. 2012 HERO ID: 1401402 <i>OQD:</i> Medium	Cantabria, northern Spain, ES Scenario: Sediment from the outfall in Cantabria, Spain. (n = 3; DF = 1; Sampling Period: May, 2007 - Aug., 2007)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.93 µg/L (AM)	NR	0.10 µg/L (ASD)
Chen et al. 2013 HERO ID: 2002284 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediments collected from 20 locations in Kaohsiung Harbor in the wet season. (n = 20; DF = 0.075; Sampling Period: Mar., 2006 - Oct., 2006)	LOD: 0.004 to 0.008 mg/kg LOQ: 0.013 to 0.027 mg/kg	ND mg/kg	0.16 mg/kg	0.06 mg/kg (AM)	NR	0.09 mg/kg (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 2013 HERO ID: 2002284 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediments collected from 20 locations in Kaohsiung Harbor in the dry season. (n = 20; DF = 0.7; Sampling Period: Mar., 2006 - Oct., 2006)	LOD: 0.004 to 0.008 mg/kg LOQ: 0.013 to 0.027 mg/kg	ND mg/kg	1.31 mg/kg	0.31 mg/kg (AM)	NR	0.33 mg/kg (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Roinville, FR Scenario: Sediment from Orge River at Roinville (n = 2; DF = NR; Sampling Period: Sept., 2008)	LOD: 6.0 pg/L LOQ: Not Reported	NR	NR	3 ng/g (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Viry-Chatillon, FR Scenario: Sediment from Orge River at Viry-Chatillon (n = 2; DF = NR; Sampling Period: Oct., 2009)	LOD: 6.0 pg/L LOQ: Not Reported	NR	NR	105 ng/g (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Marnay-sur-Seine, FR Scenario: Sediment from Seine River at Marnay-sur-Seine (n = 2; DF = NR; Sampling Period: Aug., 2009)	LOD: 6.0 pg/L LOQ: Not Reported	NR	NR	64 ng/g (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Epinay-sur-Seine, FR Scenario: Sediment from Seine River at Epinay-sur-Seine (n = 2; DF = NR; Sampling Period: Aug., 2008)	LOD: 6.0 pg/L LOQ: Not Reported	NR	NR	1104 ng/g (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Triel-sur-Seine, FR Scenario: Sediment from Seine River at Triel-sur-Seine (n = 2; DF = NR; Sampling Period: Nov., 2009)	LOD: 6.0 pg/L LOQ: Not Reported	NR	NR	96 ng/g (AM)	NR	NR
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Bottom sediment samples (n = 17; DF = 1.00; Sampling Period: 2006)	LOD: 22 ng/g LOQ: Not Reported	57.5 ng/g	182 ng/g	103 ng/g (GM)	NR	NR
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Suspended sediment samples (n = 17; DF = 0.41; Sampling Period: 2006)	LOD: 22 ng/g LOQ: Not Reported	9320 ng/g	63900 ng/g	22400 ng/g (GM)	NR	NR
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during the dry season along the Dianbao River (n = 30; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	867 µg/kg (AM)	NR	1092 µg/kg (ASD)
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during the rainy season along the Dianbao River (n = 5; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	132 µg/kg (AM)	NR	37 µg/kg (ASD)
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during throughout the year off the Jiaosu Bridge (n = 7; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	1865 µg/kg (AM)	NR	1925 µg/kg (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during throughout the year off the Shengxing Bridge (n = 7; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	513 µg/kg (AM)	NR	352 µg/kg (ASD)
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during throughout the year off the Zhongqi Bridge (n = 7; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	579 µg/kg (AM)	NR	463 µg/kg (ASD)
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during throughout the year off the Wulilin Bridge (n = 7; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	400 µg/kg (AM)	NR	378 µg/kg (ASD)
Yang et al. 2015 HERO ID: 2816375 <i>OQD:</i> High	The Dianbao River, Southern Taiwan, TW Scenario: Sediment samples collected during throughout the year off the Yanpu Bridge (n = 7; DF = 1; Sampling Period: Oct., 2011 - Sept., 2012)	LOD: 1 µg/kg LOQ: Not Reported	NR	NR	453 µg/kg (AM)	NR	407 µg/kg (ASD)
Net et al. 2015 HERO ID: 3012380 <i>OQD:</i> Medium	Zingem, Scheldt basin, BE Scenario: Sediment from watercourse in the cross-boarder of Northern France-Belgium (n = Not Reported; DF = NR; Sampling Period: Jul., 2014 - Oct., 2014)	LOD: Not Reported LOQ: 1.25 µg/kg	NR	NR	0.4 µg/g (AM)	NR	0.04 µg/g (ASD)
Net et al. 2015 HERO ID: 3012380 <i>OQD:</i> Medium	Zingem, Scheldt basin, BE Scenario: Suspended solid matter from watercourse in the cross-boarder of Northern France-Belgium (n = Not Reported; DF = NR; Sampling Period: Jul., 2014 - Oct., 2014)	LOD: Not Reported LOQ: 0.4 µg/kg	NR	NR	94.2 µg/g (AM)	NR	9.4 µg/g (ASD)

* 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).

‡ Data extraction results are for metabolite concentrations.

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Baiyun (n = 6; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.034 $\mu\text{g/g}$	0.206 $\mu\text{g/g}$	0.089 $\mu\text{g/g}$ (GM)	50th: 0.07 $\mu\text{g/g}$;	NR
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Liwan (n = 8; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.009 $\mu\text{g/g}$	2.00 $\mu\text{g/g}$	0.323 $\mu\text{g/g}$ (GM)	50th: 0.062 $\mu\text{g/g}$;	NR
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Tianhe (n = 12; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.041 $\mu\text{g/g}$	0.421 $\mu\text{g/g}$	0.121 $\mu\text{g/g}$ (GM)	50th: 0.1 $\mu\text{g/g}$;	NR
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Haizhu (n = 4; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.316 $\mu\text{g/g}$	2.74 $\mu\text{g/g}$	1.08 $\mu\text{g/g}$ (GM)	NR	NR
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Panyu (n = 10; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.033 $\mu\text{g/g}$	0.193 $\mu\text{g/g}$	0.095 $\mu\text{g/g}$ (GM)	50th: 0.071 $\mu\text{g/g}$;	NR
Zeng et al. 2009 HERO ID: 680473 <i>OQD:</i> High	Guangzhou City, CN Scenario: Urban soil along roadsides in Guangzhou City - DnBP (n = 17; DF = 1.0; Sampling Period: Dec., 2005)	LOD: Not Reported LOQ: Not Reported	0.291 $\mu\text{g/g}$	30.1 $\mu\text{g/g}$	8.13 $\mu\text{g/g}$ (AM)	50th: 2.56 $\mu\text{g/g}$;	9.99 $\mu\text{g/g}$ (ASD)
Zeng et al. 2009 HERO ID: 680473 <i>OQD:</i> High	Guangzhou City, CN Scenario: Urban soil in resident areas of Guangzhou City - DnBP (n = 13; DF = 1.0; Sampling Period: Dec., 2005)	LOD: Not Reported LOQ: Not Reported	0.206 $\mu\text{g/g}$	7.49 $\mu\text{g/g}$	2.06 $\mu\text{g/g}$ (AM)	50th: 1.15 $\mu\text{g/g}$;	2.04 $\mu\text{g/g}$ (ASD)
Zeng et al. 2009 HERO ID: 680473 <i>OQD:</i> High	Guangzhou City, CN Scenario: Urban soil in Guangzhou City parks- DnBP (n = 7; DF = 1.0; Sampling Period: Dec., 2005)	LOD: Not Reported LOQ: Not Reported	0.206 $\mu\text{g/g}$	7.49 $\mu\text{g/g}$	2.01 $\mu\text{g/g}$ (AM)	50th: 0.922 $\mu\text{g/g}$;	2.63 $\mu\text{g/g}$ (ASD)
Liu et al. 2010 HERO ID: 697396 <i>OQD:</i> High	Hubei Province, CN Scenario: Topsoil of JiangHan Plain - Summer (n = 9; DF = 0.78; Sampling Period: Jul., 2007)	LOD: 22-341 ng/L LOQ: Not Reported	ND	115.4 ng/g	43.4 ng/g (GM)	NR	NR
Liu et al. 2010 HERO ID: 697396 <i>OQD:</i> High	Hubei Province, CN Scenario: Topsoil of JiangHan Plain - Winter (n = 17; DF = 0.88; Sampling Period: Jan., 2008)	LOD: 22-341 ng/L LOQ: Not Reported	ND	289.8 ng/g	101.6 ng/g (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: Uncultured soil from preserved cattle grazing area (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.1 $\mu\text{g/kg}$ (GM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: 40-year ecologically cultured soil with some use of artificial fertilizer (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.6 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: 5-year ecologically cultured soil using manure from local livestock (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.5 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: Conventionally cultured and artificially fertilized soil with calcium ammonium nitrate and NPK (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.1 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: Conventionally cultured low sludge amended soil from WWTP and cow manure (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.3 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: Conventionally cultured normal sludge amended soil from WWTP (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.7 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: 25-year high sludge amended followed by 6-year conventional cultured and artificially fertilized soil - 1996 (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	439 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: 25-year high sludge amended followed by 6-year conventional cultured and artificially fertilized soil - 1998 (n = 20; DF = NR; Sampling Period: Nov., 1998)	LOD: Not Reported LOQ: Not Reported	NR	NR	453 μg/kg (GM)	NR	NR
Vikelsøe et al. 2002 HERO ID: 789658 <i>OQD:</i> Medium	Roskilde, Lille Valby, DK Scenario: Runoff soil from uncultured cattle grazing meadow receiving surface run-off from sludge storage facility (n = 20; DF = NR; Sampling Period: Oct., 1996)	LOD: Not Reported LOQ: Not Reported	NR	NR	11 μg/kg (GM)	NR	NR
Jang et al. 2001 HERO ID: 789748 <i>OQD:</i> Medium	Florida, US Scenario: Recovered soil fines from Site A, Trip 1 (n = 12; DF = 0.75; Sampling Period: 2001)	LOD: 0.3 mg/kg LOQ: Not Reported	1.5 mg/kg	4.0 mg/kg	NR	NR	NR
Jang et al. 2001 HERO ID: 789748 <i>OQD:</i> Medium	Florida, US Scenario: Recovered soil fines from Site B, Trip 1 (n = 5; DF = 0.2; Sampling Period: 2001)	LOD: 0.3 mg/kg LOQ: Not Reported	NR	2.6 mg/kg	NR	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Jang et al. 2001 HERO ID: 789748 <i>OQD:</i> Medium	Florida, US Scenario: Recovered soil fines from Site C, Trip 1 (n = 6; DF = 0.167; Sampling Period: 2001)	LOD: 0.3 mg/kg LOQ: Not Reported	NR	7.8 mg/kg	NR	NR	NR
Kirchmann et al. 1991 HERO ID: 1333321 <i>OQD:</i> Low	Vadstena, SE Scenario: Untreated soil samples (n = 3; DF = 0; Sampling Period: 1989)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Soil from control fallow with no plants present near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/kg}$ LOQ: Not Reported	NR	NR	1474.69 $\mu\text{g/kg}$ (AM)	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Soil from vegetable plots near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/g}$ LOQ: Not Reported	NR	NR	12.71 $\mu\text{g/kg}$ (AM)	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Green manure planted by broadcast sowing near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/g}$ LOQ: Not Reported	NR	NR	19.77 $\mu\text{g/kg}$ (AM)	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Green manure planted by drilling near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/g}$ LOQ: Not Reported	NR	NR	33.89 $\mu\text{g/kg}$ (AM)	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Unplanted fallow with long-term flooding near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/g}$ LOQ: Not Reported	NR	NR	144.05 $\mu\text{g/kg}$ (AM)	NR	NR
Ma et al. 2013 HERO ID: 1597686 <i>OQD:</i> Medium	Zhejiang province, CN Scenario: Unplanted fallow with alternate wet and dry conditions near an e-waste site (n = 5; DF = NR; Sampling Period: Winter, 2010)	LOD: 68-135 $\mu\text{g/g}$ LOQ: Not Reported	NR	NR	121.46 $\mu\text{g/kg}$ (AM)	NR	NR
Hongjun et al. 2013 HERO ID: 1639226 <i>OQD:</i> High	Binzhou City, CN Scenario: Topsoil from urban area in Bincheng District (n = 17; DF = 1; Sampling Period: Sept., 2009)	LOD: Not Reported LOQ: Not Reported	0.245 $\mu\text{g/g}$	2.058 $\mu\text{g/g}$	1.392 $\mu\text{g/g}$ (AM)	50th: 1.613 $\mu\text{g/g}$;	0.142 $\mu\text{g/g}$ (ASD)
Hongjun et al. 2013 HERO ID: 1639226 <i>OQD:</i> High	Binzhou City, CN Scenario: Topsoil from suburban area in Bincheng District (n = 28; DF = 1; Sampling Period: Sept., 2009)	LOD: Not Reported LOQ: Not Reported	0.166 $\mu\text{g/g}$	1.450 $\mu\text{g/g}$	0.657 $\mu\text{g/g}$ (AM)	50th: 0.629 $\mu\text{g/g}$;	0.067 $\mu\text{g/g}$ (ASD)
Hongjun et al. 2013 HERO ID: 1639226 <i>OQD:</i> High	Binzhou City, CN Scenario: Topsoil from rural area in Bincheng District (n = 37; DF = 1; Sampling Period: Sept., 2009)	LOD: Not Reported LOQ: Not Reported	0.136 $\mu\text{g/g}$	1.039 $\mu\text{g/g}$	0.413 $\mu\text{g/g}$ (AM)	50th: 0.330 $\mu\text{g/g}$;	0.047 $\mu\text{g/g}$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kong et al. 2012 HERO ID: 2518980 <i>OQD:</i> High	Tianjin City, CN Scenario: Soil from suburban farmland (n = 52; DF = 1.00; Sampling Period: Nov., 2009)	LOD: Not Reported LOQ: Not Reported	0.007 $\mu\text{g/g}$	0.189 $\mu\text{g/g}$	0.073 $\mu\text{g/g}$ (AM)	50th: 0.070 $\mu\text{g/g}$;	0.044 $\mu\text{g/g}$ (ASD)
Kong et al. 2012 HERO ID: 2518980 <i>OQD:</i> High	Tianjin City, CN Scenario: Soil from suburban vegetable soil (n = 13; DF = 1.00; Sampling Period: Nov., 2009)	LOD: Not Reported LOQ: Not Reported	0.013 $\mu\text{g/g}$	0.285 $\mu\text{g/g}$	0.068 $\mu\text{g/g}$ (AM)	50th: 0.041 $\mu\text{g/g}$;	0.080 $\mu\text{g/g}$ (ASD)
Kong et al. 2012 HERO ID: 2518980 <i>OQD:</i> High	Tianjin City, CN Scenario: Soil from suburban orchard (n = 13; DF = 1.00; Sampling Period: Nov., 2009)	LOD: Not Reported LOQ: Not Reported	0.020 $\mu\text{g/g}$	0.138 $\mu\text{g/g}$	0.066 $\mu\text{g/g}$ (AM)	50th: 0.069 $\mu\text{g/g}$;	0.039 $\mu\text{g/g}$ (ASD)
Kong et al. 2012 HERO ID: 2518980 <i>OQD:</i> High	Tianjin City, CN Scenario: Soil from suburban wasteland (n = 7; DF = 1.00; Sampling Period: Nov., 2009)	LOD: Not Reported LOQ: Not Reported	0.009 $\mu\text{g/g}$	0.147 $\mu\text{g/g}$	0.066 $\mu\text{g/g}$ (AM)	50th: 0.065 $\mu\text{g/g}$;	0.044 $\mu\text{g/g}$ (ASD)
Niu et al. 2014 HERO ID: 2519080 <i>OQD:</i> High	31 Provinces, CN Scenario: Soils from agriculture fields in China (n = 123; DF = 1; Sampling Period: Apr., 2013 - May, 2013)	LOD: 0.008-0.295 $\mu\text{g/kg}$ LOQ: Not Reported	4.04 $\mu\text{g/kg}$	457 $\mu\text{g/kg}$	65.8 $\mu\text{g/kg}$ (AM)	50th: 51.7 $\mu\text{g/kg}$;	82.3 % (CV)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from a residential area near an electronics factory (n = 46; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.26 mg/kg	15.18 mg/kg	5.63 mg/kg (AM)	50th: 4.24 mg/kg;	3.95 mg/kg (ASD)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from the roadside near an electronics factory (n = 33; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	1.34 mg/kg	31.19 mg/kg	8.79 mg/kg (AM)	50th: 8.19 mg/kg;	5.19 mg/kg (ASD)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from a farmland near an electronics factory (n = 32; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.64 mg/kg	18.24 mg/kg	4.88 mg/kg (AM)	50th: 3.89 mg/kg;	NR
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from a non-cultivated field near an electronics factory (n = 31; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.46 mg/kg	14.2 mg/kg	3.51 mg/kg (AM)	50th: 2.280 mg/kg;	3.71 mg/kg (ASD)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from a residential area near a non-industrial area (n = 44; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.81 mg/kg	15.11 mg/kg	1.66 mg/kg (AM)	50th: 1.22 mg/kg;	2.41 mg/kg (ASD)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from the roadside near a non-industrial area (n = 36; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.34 mg/kg	7.18 mg/kg	1.77 mg/kg (AM)	50th: 1.22 mg/kg;	1.50 mg/kg (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from the farmland near a non-industrial area (n = 32; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.69 mg/kg	18.24 mg/kg	2.22 mg/kg (AM)	50th: 1.35 mg/kg;	3.01 mg/kg (ASD)
Wu et al. 2015 HERO ID: 2804032 <i>OQD:</i> High	Xiangyang, China, CN Scenario: Surface soil from non-cultivated fields near non-industrial area (n = 33; DF = NR; Sampling Period: Dec., 2013)	LOD: 0.03 mg/kg LOQ: Not Reported	0.34 mg/kg	4.24 mg/kg	1.23 mg/kg (AM)	50th: 1.21 mg/kg;	0.77 mg/kg (ASD)
Zhang et al. 2015 HERO ID: 2804035 <i>OQD:</i> Medium	HeiLongjiang, JiLin, LiaoNing Provinces, CN Scenario: Soil from greenhouse in China (Spring) (n = 27; DF = 1.0; Sampling Period: Spring, 2013)	LOD: 1.87 µg/kg LOQ: Not Reported	0.276 mg/kg	0.676 mg/kg	0.462 mg/kg (AM)	50th: 0.431 mg/kg;	0.022 mg/kg (ASD)
Zhang et al. 2015 HERO ID: 2804035 <i>OQD:</i> Medium	HeiLongjiang, JiLin, LiaoNing Provinces, CN Scenario: Soil from greenhouse in China (Summer) (n = 27; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 1.87 µg/kg LOQ: Not Reported	0.376 mg/kg	0.957 mg/kg	0.655 mg/kg (AM)	50th: 0.693 mg/kg;	0.044 mg/kg (ASD)
Zhang et al. 2015 HERO ID: 2804035 <i>OQD:</i> Medium	HeiLongjiang, JiLin, LiaoNing Provinces, CN Scenario: Soil from greenhouse in China (Autumn) (n = 27; DF = 1.0; Sampling Period: Fall, 2013)	LOD: 1.87 µg/kg LOQ: Not Reported	0.051 mg/kg	0.427 mg/kg	0.263 mg/kg (AM)	50th: 0.217 mg/kg;	0.016 mg/kg (ASD)
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Forest soil in rural area of Fontenay-les-Briis, horizon sample (0-20cm depth) (n = 1; DF = 1; Sampling Period: Oct., 2010)	LOD: 1.3 pg/g LOQ: Not Reported	POINT VALUE(S): [5.2 µg/kg]				
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Rural soil in Doue, horizon sample (0-20cm depth) (n = 1; DF = 1; Sampling Period: Oct., 2010)	LOD: 1.3 pg/g LOQ: Not Reported	POINT VALUE(S): [4.0 µg/kg]				
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Urban soil in Paris, horizon sample (0-20cm depth) (n = 2; DF = 1; Sampling Period: Oct., 2010)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	92.5 µg/kg (AM)	NR	NR
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Agricultural soil in rural area of Fontenay-les-Briis, treated with sludge (0-20cm depth) (n = 4; DF = NR; Sampling Period: Mar., 2011 - Sept., 2011)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	10.9 µg/kg (AM)	NR	7.56 µg/kg (ASD)
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Agricultural soil in rural area of Fontenay-les-Briis, treated with sludge (20-40 cm depth) (n = 4; DF = NR; Sampling Period: Mar., 2011 - Sept., 2011)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	9.37 µg/kg (AM)	NR	0.906 µg/kg (ASD)
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Agricultural soil in rural area of Fontenay-les-Briis, treated with sludge (40-60cm depth) (n = 4; DF = NR; Sampling Period: Mar., 2011 - Sept., 2011)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	8.76 µg/kg (AM)	NR	6.65 µg/kg (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Agricultural soil in rural area of Fontenay-les-Briis, treated with sludge (60-80cm depth) (n = 4; DF = NR; Sampling Period: Mar., 2011 - Sept., 2011)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	9.67 μg/kg (AM)	NR	4.83 μg/kg (ASD)
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Doue, FR Scenario: Soil from Doue rural area (n = 1; DF = 1; Sampling Period: 2012)	LOD: 1.3 pg/g LOQ: 23-58 pg/g	Point: 4.0 ng/g				
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Fontenay-les-Briis, FR Scenario: Soil from Fontenay-les-Briis forest (n = 1; DF = 1; Sampling Period: 2012)	LOD: 1.3 pg/g LOQ: 23-58 pg/g	Point: 5.2 ng/g				
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Paris, FR Scenario: Soil from Paris urban area (n = 1; DF = 1; Sampling Period: 2012)	LOD: 1.3 pg/g LOQ: 23-58 pg/g	Point: 92.5 ng/g				
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Fontenay-les-Briis, FR Scenario: Soil from Fontenay-les-Briis agricultural site (n = 1; DF = 1; Sampling Period: 2010 - 2011)	LOD: 1.3 pg/g LOQ: 23-58 pg/g	Point: 9.6 ng/g				
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Soil (0~15 cm) from 19 greenhouses in Gu Li village (n = 19; DF = 1; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	464 μg/kg (AM)	NR	38 μg/kg (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Soil (0~15 cm) from 15 greenhouses in Hu Shu village (n = 15; DF = 1; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	813 μg/kg (AM)	NR	3 μg/kg (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Soil from 18 greenhouses in Planck farm (n = 18; DF = 1; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	432 μg/kg (AM)	NR	2 μg/kg (ASD)
Ma et al. 2015 HERO ID: 3016266 <i>OQD:</i> High	Nanjing, China, CN Scenario: Soil from 9 greenhouses in Suo Shi village (n = 9; DF = 1; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	354 μg/kg (AM)	NR	1 μg/kg (ASD)
Zhang et al. 2015 HERO ID: 3045478 <i>OQD:</i> Medium	Wangyang River (WYR), Shijiazhuang City, Hebei Province, CN Scenario: Soil (0–20 cm) from 13 sites along the Wangyang River downstream of WWTP discharge (n = 39; DF = 1; Sampling Period: Jun., 2013)	LOD: Not Reported LOQ: Not Reported	0.035 μg/L	0.054 μg/L	0.045 μg/L (AM)	50th: 0.045 μg/L;	0.005 μg/L (ASD)
Wang et al. 2015 HERO ID: 3045628 <i>OQD:</i> High	Xianyang, Shaanxi Province, CN Scenario: Soil (0-25 cm) from vegetable fields in Dongzhang-cun, a suburb relatively near the urban district (n = 12; DF = NR; Sampling Period: Sept., 2013 - Oct., 2013)	LOD: 71 μg/L LOQ: Not Reported	52.61 μg/kg	527.09 μg/kg	162.14 μg/kg (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wang et al. 2015 HERO ID: 3045628 <i>OQD:</i> High	Xianyang, Shaanxi Province, CN Scenario: Soil (0-25 cm) from vegetable fields in Caojiashai, a suburb (n = 27; DF = NR; Sampling Period: Sept., 2013 - Oct., 2013)	LOD: 71 µg/L LOQ: Not Reported	49.12 µg/kg	6313.35 µg/kg	504.51 µg/kg (AM)	NR	NR
Wang et al. 2015 HERO ID: 3045628 <i>OQD:</i> High	Xianyang, Shaanxi Province, CN Scenario: Soil (0-25 cm) from vegetable fields in Guocun, a heavy traffic suburb nearest from urban district (n = 4; DF = NR; Sampling Period: Sept., 2013 - Oct., 2013)	LOD: 71 µg/L LOQ: Not Reported	83.0 µg/kg	230.90 µg/kg	139.06 µg/kg (AM)	NR	NR
Wang et al. 2015 HERO ID: 3045628 <i>OQD:</i> High	Xianyang, Shaanxi Province, CN Scenario: Soil (0-25 cm) from vegetable fields in Baxingtang, a suburb with heavy traffic (n = 16; DF = NR; Sampling Period: Sept., 2013 - Oct., 2013)	LOD: 71 µg/L LOQ: Not Reported	36.63 µg/kg	459.41 µg/kg	159.71 µg/kg (AM)	NR	NR
Sun et al. 2015 HERO ID: 3070929 <i>OQD:</i> High	Shanghai City, Jiangsu Province, and Zhejiang Province, CN Scenario: Agriculture soils from Yangtze River Delta (n = 241; DF = 0.99; Sampling Period: Jun., 2014)	LOD: 0.05 - 0.28 ng/g LOQ: Not Reported	ND	1500 ng/g	94.9 ng/g (AM)	50th: 73.9 ng/g;	NR
Liu et al. 2016 HERO ID: 3350971 <i>OQD:</i> Medium	Eastern China, CN Scenario: Soil within a chemical industrial park (n = 4; DF = 0.50; Sampling Period: 2016)	LOD: 20 µg/kg LOQ: Not Reported	NR	45 µg/kg	NR	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Lanshan district, CN Scenario: Soil from Lanshan district (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.00477 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Ninghe garden, CN Scenario: Soil from NingHe garden (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.00217 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Coach Terminal Station, CN Scenario: Soil from Coach Terminal Station (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.00241 Other (AM)	NR	NR
Sun et al. 2016 HERO ID: 3455519 <i>OQD:</i> Medium	Jiangsu Province; Shanghai Municipality, CN Scenario: Topsoil from agriculture fields (n = 26; DF = 0.58; Sampling Period: Nov., 2014)	LOD: 0.20–0.40 ng/g LOQ: Not Reported	ND	659 ng/g	91.8 ng/g (AM)	NR	163 ng/g (ASD)
Gaspéri et al. 2016 HERO ID: 3985396 <i>OQD:</i> Medium	Paris, FR Scenario: Soil samples from 32 urban and rural areas in Greater Paris (n = 32; DF = NR; Sampling Period: 2009 - 2010)	LOD: Not Reported LOQ: 0.06 µg/kg	5 µg/kg	142 µg/kg	NR	NR	NR
Sardiña et al. 2019 HERO ID: 5412432 <i>OQD:</i> High	Melbourne; Ballarat; Bendigo; Geelong; Latrobe Valley, AU Scenario: Soil from aquatic ecosystems on various land-use types (n = 25; DF = 0; Sampling Period: Aug., 2019)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	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
Chakraborty et al. 2019 HERO ID: 5433039 <i>OQD:</i> Medium	New Delhi, Kolkata, Mumbai, and Chennai, IN Scenario: Surface soil from open dumpsites (DS) containing e-waste in cities (n = 11; DF = 1; Sampling Period: 2014)	LOD: 0.15 ng/g LOQ: Not Reported	8 ng/g	36 ng/g	21 ng/g (AM)	NR	8 ng/g (ASD)
Chakraborty et al. 2019 HERO ID: 5433039 <i>OQD:</i> Medium	New Delhi, Mumbai, and Chennai, IN Scenario: Surface soil from precious metal recovery sites (EWR) in cities (n = 5; DF = 1; Sampling Period: 2014)	LOD: 0.15 ng/g LOQ: Not Reported	25 ng/g	91 ng/g	39 ng/g (AM)	NR	29 ng/g (ASD)
Chakraborty et al. 2019 HERO ID: 5433039 <i>OQD:</i> Medium	New Delhi, Mumbai, and Chennai, IN Scenario: Surface soil from e-waste dismantling sites (EWD) in cities (n = 5; DF = 1; Sampling Period: 2014)	LOD: 0.15 ng/g LOQ: Not Reported	8 ng/g	105 ng/g	29 ng/g (AM)	NR	42 ng/g (ASD)
Chakraborty et al. 2019 HERO ID: 5433039 <i>OQD:</i> Medium	New Delhi, Mumbai, and Chennai, IN Scenario: Surface soil from e-waste shredding sites (EWS) in cities (n = 4; DF = 1; Sampling Period: 2014)	LOD: 0.15 ng/g LOQ: Not Reported	17 ng/g	91 ng/g	44 ng/g (AM)	NR	33 ng/g (ASD)
Wu et al. 2019 HERO ID: 5433502 <i>OQD:</i> High	Yuyao City, Zhejiang Province, CN Scenario: Soil samples from downwind of a plastic market (n = 21; DF = 1; Sampling Period: May, 2017)	LOD: Not Reported LOQ: 4.5 ng/g	340 ng/g	771 ng/g	500 ng/g (AM)	50th: 479 ng/g;	NR
Li et al. 2016 HERO ID: 5540829 <i>OQD:</i> High	Qingdao, Yantai, Weifang, and Weihai, Shandong Peninsula, CN Scenario: Soil from 36 vegetable fields with plastic film mulching (n = 108; DF = 0.80; Sampling Period: May, 2012)	LOD: Not Reported LOQ: 0.002-0.024 mg/kg	0 mg/kg	9.855 mg/kg	1.987 mg/kg (AM)	NR	2.549 mg/kg (ASD)
Zhang et al. 2019 HERO ID: 5541389 <i>OQD:</i> High	Guiyu, Shantou, CN Scenario: Soil in residential area A with e-waste recycling workshops (n = 11; DF = 1; Sampling Period: Mar., 2019)	LOD: 0.16-1.65 µg/L LOQ: Not Reported	NR	NR	2131.07 ng/g (AM); 1962.53 ng/g (GM)	50th: 1813.88 ng/g;	NR
Zhang et al. 2019 HERO ID: 5541389 <i>OQD:</i> High	Guiyu, Shantou, CN Scenario: Soil in residential area B with few to none e-waste recycling workshops (n = 7; DF = 1; Sampling Period: Mar., 2019)	LOD: 0.16-1.65 µg/L LOQ: Not Reported	NR	NR	1665.46 ng/g (AM); 1476.90 ng/g (GM)	50th: 1755.10 ng/g;	NR
Zhang et al. 2019 HERO ID: 5541389 <i>OQD:</i> High	Guiyu, Shantou, CN Scenario: Soil in agricultural area used for rice, fruit and vegetables (n = 28; DF = 1; Sampling Period: Mar., 2019)	LOD: 0.16-1.65 µg/L LOQ: Not Reported	NR	NR	1901.48 ng/g (AM); 1472.54 ng/g (GM)	50th: 1337.03 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Rodríguez-Ramos et al. 2019 HERO ID: 5617923 <i>OQD:</i> High	Tenerife, Canary Islands, ES Scenario: Tenerife agricultural soil utilized for cereals (barley and lupin bean) and potato cultivation - A2-A3 (n = 4; DF = 0; Sampling Period: Jul., 2019)	LOD: 0.43 $\mu\text{g/kg}$ LOQ: 1.4 $\mu\text{g/kg}$	NR	NR	ND	NR	NR
Rodríguez-Ramos et al. 2019 HERO ID: 5617923 <i>OQD:</i> High	Tenerife, Canary Islands, ES Scenario: Soil/sand taken from beaches in Tenerife (n = 8; DF = 0; Sampling Period: Jul., 2019)	LOD: 0.59 $\mu\text{g/kg}$ LOQ: 2.0 $\mu\text{g/kg}$	NR	NR	ND	NR	NR
Rodríguez-Ramos et al. 2019 HERO ID: 5617923 <i>OQD:</i> High	Tenerife, Canary Islands, ES Scenario: Tenerife agricultural soil utilized for cereals (barley and lupin bean) and potato cultivation - A1 (n = 2; DF = 1; Sampling Period: Jul., 2019)	LOD: 0.43 $\mu\text{g/kg}$ LOQ: 1.4 $\mu\text{g/kg}$	NR	NR	11 $\mu\text{g/kg}$ (AM)	NR	3 $\mu\text{g/kg}$ (ASD)
Rodríguez-Ramos et al. 2019 HERO ID: 5617923 <i>OQD:</i> High	Tenerife, Canary Islands, ES Scenario: Tenerife agricultural soil utilized for cereals (barley and lupin bean) and potato cultivation - A4 (n = 2; DF = 1; Sampling Period: Jul., 2019)	LOD: 0.43 $\mu\text{g/kg}$ LOQ: 1.4 $\mu\text{g/kg}$	NR	NR	9 $\mu\text{g/kg}$ (AM)	NR	3 $\mu\text{g/kg}$ (ASD)
Rodríguez-Ramos et al. 2019 HERO ID: 5617923 <i>OQD:</i> High	Tenerife, Canary Islands, ES Scenario: Tenerife agricultural soil utilized for cereals (barley and lupin bean) and potato cultivation - A5 (n = 2; DF = 1; Sampling Period: Jul., 2019)	LOD: 0.43 $\mu\text{g/kg}$ LOQ: 1.4 $\mu\text{g/kg}$	NR	NR	52 $\mu\text{g/kg}$ (AM)	NR	2 $\mu\text{g/kg}$ (ASD)
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil outside elementary school (n = 29; DF = 0.62; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 $\mu\text{g/g}$ LOQ: Not Reported	ND	30.1 $\mu\text{g/g}$	NR	50th: 0.6 $\mu\text{g/g}$;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil from elementary school running track (n = 23; DF = 0.43; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 $\mu\text{g/g}$ LOQ: Not Reported	ND	6.7 $\mu\text{g/g}$	NR	50th: ND;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil outside of kindergarten (n = 17; DF = 0.41; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 $\mu\text{g/g}$ LOQ: Not Reported	ND	62.4 $\mu\text{g/g}$	NR	50th: ND;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil from kindergarten playground (n = 22; DF = 1; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 $\mu\text{g/g}$ LOQ: Not Reported	0.2 $\mu\text{g/g}$	320.7 $\mu\text{g/g}$	NR	50th: 2.5 $\mu\text{g/g}$;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil from children's park playground (n = 13; DF = 0.85; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.3 $\mu\text{g/g}$ LOQ: Not Reported	ND	908.5 $\mu\text{g/g}$	NR	50th: 2.0 $\mu\text{g/g}$;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wei et al. 2020 HERO ID: 6816706 <i>OQD:</i> Medium	Anhui, Jiangsu, Shanghai, and Zhejiang Provinces, Yangtze River Delta, CN Scenario: Agricultural topsoil in China (n = 228; DF = 0.99; Sampling Period: Oct., 2018)	LOD: 0.1 ng/g LOQ: Not Reported	ND	69.5 ng/g	6.12 ng/g (AM)	50th: 3.82 ng/g;	NR
Billings et al. 2023 HERO ID: 11785155 <i>OQD:</i> High	Central and Southern England, GB Scenario: Soil from public land downwind of 6 landfills, as close to perimeter as possible (n = 6; DF = 1; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	7.7 ng/g	34.4 ng/g	15.8 ng/g (AM)	50th: 11.7 ng/g;	NR
Billings et al. 2023 HERO ID: 11785155 <i>OQD:</i> High	Central and Southern England, GB Scenario: Urban parkland soil from 3 sites in Oxford, away from site boundaries and footpaths (n = 3; DF = 0.667; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	<LOD	21.2 ng/g	13.2 ng/g (AM)	50th: 18.3 ng/g;	NR
Billings et al. 2023 HERO ID: 11785155 <i>OQD:</i> High	Central and Southern England, GB Scenario: Urban roadside soil from 3 sites in Oxford, from widest point of verge (n = 3; DF = 1; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	18 ng/g	87.8 ng/g	45.0 ng/g (AM)	50th: 29.2 ng/g;	NR
Billings et al. 2023 HERO ID: 11785155 <i>OQD:</i> High	Central and Southern England, GB Scenario: Woodland soil from 7 sites, representing relatively low anthropogenic influences (n = 7; DF = 1; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	8.9 ng/g	30.7 ng/g	21.2 ng/g (AM)	50th: 27.2 ng/g;	NR

Table 13: Data Extraction Tables of Exposure Monitoring Studies for Surface Water

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - February 2003 (n = 12; DF = 0.25; Sampling Period: Feb., 2003)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	15.16 mg/L (AM)	NR	0.55 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - July 2002 (n = 12; DF = 1; Sampling Period: Jul., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	21.67 mg/L (AM)	NR	18.56 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - August 2002 (n = 12; DF = 1; Sampling Period: Aug., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	9.40 mg/L (AM)	NR	0.29 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - September 2002 (n = 12; DF = 1; Sampling Period: Sept., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	14.26 mg/L (AM)	NR	3.73 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - October 2002 (n = 12; DF = 1; Sampling Period: Oct., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	16.18 mg/L (AM)	NR	7.07 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - November 2002 (n = 12; DF = 1; Sampling Period: Nov., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	45.49 mg/L (AM)	NR	17.81 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - December 2002 (n = 12; DF = 1; Sampling Period: Dec., 2002)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	27.46 mg/L (AM)	NR	15.69 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Surface water from receiving stream of WWTP - January 2003 (n = 12; DF = 1; Sampling Period: Jan., 2003)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	5.91 mg/L (AM)	NR	0.48 mg/L (ASD)
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Water 20m upstream from point of discharge of the effluents into receiving stream (n = 24; DF = 0.75; Sampling Period: Jul., 2002 - Feb., 2003)	LOD: 1.31 µg/L LOQ: Not Reported	NR	NR	1.52 mg/L (AM)	NR	NR
Shi et al. 2012 HERO ID: 1249969 OQD: High	Changzhou, Yangtze River Delta, China, CN Scenario: Yangtze River source water for Changzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	4100 ng/L (AM)	NR	27 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Suzhou, Yangtze River Delta, China, CN Scenario: Eastern Taihu Lake source water for Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	7900 ng/L (AM)	NR	62 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Wuxi, Yangtze River Delta, China, CN Scenario: Northern Taihu Lake source water for Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	7500 ng/L (AM)	NR	56 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 <i>OQD:</i> High	Yancheng, Yangtze River Delta, China, CN Scenario: Huaihe River source water for Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.6 ng/L LOQ: 2.0 ng/L	NR	NR	3200 ng/L (AM)	NR	43 ng/L (ASD)
Roy F. Weston Inc et al. 1980 HERO ID: 1333014 <i>OQD:</i> Medium	Delaware River, Delaware, US Scenario: Surface water from Delaware River, upstream of chemical facility (n = 2; DF = 0.5; Sampling Period: Apr., 1979 - Dec., 1979)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.6 µg/L; — µg/L]				
Valton et al. 2014 HERO ID: 2347469 <i>OQD:</i> Medium	Île-de-France district, FR Scenario: Surface water from rive Orge (n = 1; DF = NR; Sampling Period: Jun., 2014)	LOD: 4 pg LOQ: 54 ng/L	NR	NR	120 ng/L (AM)	NR	80 ng/L (ASD)
Zhang et al. 2015 HERO ID: 3045478 <i>OQD:</i> Medium	Wangyang River (WYR), Shijiazhuang City, Hebei Province, CN Scenario: River water from 13 sites along the Wangyang River downstream of WWTP discharge (n = 39; DF = 1; Sampling Period: Jun., 2013)	LOD: Not Reported LOQ: Not Reported	0.32 µg/L	3.65 µg/L	0.95 µg/L (AM)	50th: 0.81 µg/L;	0.69 µg/L (ASD)
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Qinggeda Lake, CN Scenario: Surface water from Qinggeda Lake (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.0478 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, People's Park Lake, CN Scenario: Surface water from People's Park (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 µg/mL LOQ: Not Reported	NR	NR	0.0583 Other (AM)	NR	NR
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Water from Jiulong River - North River (n = 15; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: Not Reported	0.28 µg/L	0.63 µg/L	0.42 µg/L (AM)	50th: 0.40 µg/L;	NR
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Water from Jiulong River - West River (n = 14; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: Not Reported	0.33 µg/L	2.40 µg/L	0.67 µg/L (AM)	50th: 0.46 µg/L;	NR
Li et al. 2017 HERO ID: 3483279* <i>OQD:</i> High	Southern region of the Fujian Province (Southeast, China), CN Scenario: Water from Jiulong River - Estuary (n = 6; DF = 1; Sampling Period: Mar., 2014)	LOD: Not Reported LOQ: Not Reported	0.31 µg/L	0.97 µg/L	0.52 µg/L (AM)	50th: 0.53 µg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Water from Jiulong River estuary during wet season (n = 15; DF = 1; Sampling Period: Aug., 2014)	LOD: Not Reported LOQ: Not Reported	0.30 $\mu\text{g/L}$	1.77 $\mu\text{g/L}$	0.67 $\mu\text{g/L}$ (AM)	50th: 0.56 $\mu\text{g/L}$;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Water from Jiulong River estuary during normal season (n = 15; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	0.31 $\mu\text{g/L}$	0.51 $\mu\text{g/L}$	0.37 $\mu\text{g/L}$ (AM)	50th: 0.33 $\mu\text{g/L}$;	NR
Li et al. 2017 HERO ID: 3859571 <i>OQD:</i> High	Southeast China, CN Scenario: Water from Jiulong River estuary during dry season (n = 15; DF = 1; Sampling Period: Jan., 2015)	LOD: Not Reported LOQ: Not Reported	0.35 $\mu\text{g/L}$	0.97 $\mu\text{g/L}$	0.54 $\mu\text{g/L}$ (AM)	50th: 0.53 $\mu\text{g/L}$;	NR
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Adelaide, South Africa, ZA Scenario: Surface water upstream from Adelaide WWTP (n = 6; DF = 0.83; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	<LOD $\mu\text{g/L}$	7.52 $\mu\text{g/L}$	3.87 $\mu\text{g/L}$ (AM)	NR	0.91 $\mu\text{g/L}$ (SE)
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Adelaide, South Africa, ZA Scenario: Surface water downstream from Adelaide WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	1.07 $\mu\text{g/L}$	16.04 $\mu\text{g/L}$	6.29 $\mu\text{g/L}$ (AM)	NR	2.16 $\mu\text{g/L}$ (SE)
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Alice, South Africa, ZA Scenario: Surface water upstream from Alice WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	1.06 $\mu\text{g/L}$	16.80 $\mu\text{g/L}$	6.86 $\mu\text{g/L}$ (AM)	NR	1.83 $\mu\text{g/L}$ (SE)
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Alice, South Africa, ZA Scenario: Surface water downstream from Alice WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	1.17 $\mu\text{g/L}$	32.16 $\mu\text{g/L}$	8.74 $\mu\text{g/L}$ (AM)	NR	1.01 $\mu\text{g/L}$ (SE)
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Seymour, South Africa, ZA Scenario: Surface water upstream from Seymour WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	1.24 $\mu\text{g/L}$	8.55 $\mu\text{g/L}$	4.64 $\mu\text{g/L}$ (AM)	NR	1.20 $\mu\text{g/L}$ (SE)
Salaudeen et al. 2018 HERO ID: 4728386 <i>OQD:</i> High	Seymour, South Africa, ZA Scenario: Surface water downstream from Seymour WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 $\mu\text{g/L}$ LOQ: 1.75-3.99 $\mu\text{g/L}$	1.13 $\mu\text{g/L}$	115.30 $\mu\text{g/L}$	22.70 $\mu\text{g/L}$ (AM)	NR	18.55 $\mu\text{g/L}$ (SE)
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Zhongshan (n = 12; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.07 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Jiangmen (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.09 $\mu\text{g/L}$ (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Nanhai (n = 12; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.11 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Shunde (n = 16; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.30 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Huizhou (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.02 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Huadu (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.02 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Dongguan (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.22 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Guangzhou (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.30 $\mu\text{g/L}$ (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> Medium	Pearl River Delta region, CN Scenario: Water of aquaculture fish ponds in Pearl River Delta - Nansha (n = 8; DF = NR; Sampling Period: Jul., 2016 - Sept., 2017)	LOD: Not Reported LOQ: 8.0 ng/g	NR	NR	0.45 $\mu\text{g/L}$ (AM)	NR	NR
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Air (Gas) affected from industrial complex (n = 4; DF = 0.75; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.02 ng/m^3 LOQ: 0.06 ng/m^3	ND	6.78 ng/m^3	2.97 ng/m^3 (AM)	50th: 2.56 ng/m^3 ;	NR
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Air (Particulate) affected from industrial complex (n = 4; DF = 1; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.01 ng/m^3 LOQ: 0.03 ng/m^3	0.19 ng/m^3	1.47 ng/m^3	0.64 ng/m^3 (AM)	50th: 0.46 ng/m^3 ;	NR
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Air (Total) affected from industrial complex (n = 4; DF = NR; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.002 ng/m^3 LOQ: 0.033 ng/m^3	0.19 ng/m^3	8.24 ng/m^3	3.62 ng/m^3 (AM)	50th: 3.02 ng/m^3 ;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lee et al. 2019 HERO ID: 5043593 <i>OQD:</i> High	Pyeongtaek and Asan, Gyeonggi Province, KR Scenario: Lake Water affected from industrial complex (n = 47; DF = 0.53; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.00 $\mu\text{g/L}$ LOQ: 0.01 $\mu\text{g/L}$	ND	0.34 $\mu\text{g/L}$	0.03 $\mu\text{g/L}$ (AM)	50th: 0.01 $\mu\text{g/L}$;	NR
Sun et al. 2014 HERO ID: 5188487 <i>OQD:</i> High	Pearl River Delta region, CN Scenario: River water in dry season (n = 12; DF = 1; Sampling Period: Dec., 2008)	LOD: 0.00 ng/L LOQ: Not Reported	240 ng/L	1600 ng/L	NR	NR	NR
Sun et al. 2014 HERO ID: 5188487 <i>OQD:</i> High	Pearl River Delta region, CN Scenario: River water in wet season (n = 12; DF = 1; Sampling Period: Jul., 2009)	LOD: 0.00 ng/L LOQ: Not Reported	1400 ng/L	2800 ng/L	NR	NR	NR
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Yellow Sea - Site B18, 3-34m depth (n = 3; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [426 ng/L ; 868 ng/L ; 596 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Bonhai Sea - Site B49, 03-19m (n = 3; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [468 ng/L ; 690 ng/L ; 717 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Bonhai Sea in the Yellow River Estuary outlet - Site B45, 04-22m depth (n = 2; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [683 ng/L ; 684 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from Bonhai Sea in the Yellow River Estuary outlet - Site B65, 04-15m depth (n = 3; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [543 ng/L ; 761 ng/L ; 720 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from Bonhai Sea in the Yellow River Estuary outlet - Site B68, 03-10m depth (n = 3; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [1374 ng/L ; 699 ng/L ; 866 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Bonhai Sea - Site B71, 03-11m depth (n = 3; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [1584 ng/L ; 455 ng/L ; 819 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Yellow Sea in the Blue Economic Zone - Site B12, 05-35m depth (n = 2; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [266 ng/L ; 978 ng/L]				

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Table 13 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from Haizhou Bay in the Yellow Sea (n = 9; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [344 ng/L; 511 ng/L; 1100 ng/L; 937 ng/L; 938 ng/L; 1345 ng/L; 679 ng/L; 508 ng/L; 341 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from Yellow Sea - Site B14, 4-60m depth (n = 5; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [1239 ng/L; 738 ng/L; 860 ng/L; 817 ng/L; 432 ng/L]				
Zhang et al. 2018 HERO ID: 5433212 <i>OQD:</i> High	Liaodong Bay; Bohai Bay; Laizhou Bay, shallow sea basin of the central region and Bohai Strait; Yellow Sea, CN Scenario: Water from the Yellow Sea - Site B15, 05-62m depth (n = 5; DF = 1; Sampling Period: Nov., 2014)	LOD: 0.4-0.32 ng/L LOQ: Not Reported	POINT VALUE(S): [724 ng/L; 961 ng/L; 651 ng/L; 407 ng/L; 530 ng/L]				
Zhang et al. 2018 HERO ID: 5433253 <i>OQD:</i> High	Eastern Coast of China, CN Scenario: Surface water from Changjiang River Estuary and adjacent area (n = 133; DF = 1; Sampling Period: Mar., 2015)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	NR	NR
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Surface water from Smokey Hill River (n = 3; DF = 0; Sampling Period: Sept., 1988)	LOD: 0.5 µg/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Zhang et al. 2019 HERO ID: 5933853 <i>OQD:</i> High	East China Sea, CN Scenario: Seawater samples from East China Sea - Autumn (n = 56; DF = 1; Sampling Period: Oct., 2014 - Nov., 2014)	LOD: 0.04-0.32 ng/L LOQ: Not Reported	NR	NR	NR	NR	NR
Zhang et al. 2019 HERO ID: 5933853 <i>OQD:</i> High	East China Sea, CN Scenario: Seawater samples from East China Sea - Spring (n = 98; DF = 1; Sampling Period: Mar., 2017 - Apr., 2017)	LOD: 0.04-0.32 ng/L LOQ: Not Reported	NR	NR	NR	NR	NR
Zhang et al. 2020 HERO ID: 6957439 <i>OQD:</i> Medium	East China Sea, CN Scenario: Seawater samples from East China Sea - Summer (n = 59; DF = 1; Sampling Period: Jul., 2015)	LOD: 0.04-0.32 ng/L LOQ: Not Reported	NR	NR	NR	NR	NR
Zhang et al. 2020 HERO ID: 6957439 <i>OQD:</i> Medium	East China Sea, CN Scenario: Seawater samples from East China Sea - Winter (n = 56; DF = 1; Sampling Period: Feb., 2017)	LOD: 0.04-0.32 ng/L LOQ: Not Reported	NR	NR	NR	NR	NR
Zhang et al. 2020 HERO ID: 6957439 <i>OQD:</i> Medium	East China Sea, CN Scenario: Seawater samples from East China Sea - Spring (n = 51; DF = 1; Sampling Period: May, 2017)	LOD: 0.04-0.32 ng/L LOQ: Not Reported	NR	NR	NR	NR	NR
McConnell et al. 2007 HERO ID: 10365669 ‡ <i>OQD:</i> High <i>MnBP</i>	Strait of Georgia, Vancouver, British Columbia, CA Scenario: Water sampled at mid-ocean depth (3-4m) from False Creek Harbour - MnBP (n = 10; DF = NR; Sampling Period: Jul., 2005 - Sept., 2005)	LOD: 67 ng/L LOQ: Not Reported	NR	NR	32 ng/L (AM)	NR	1.6 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Björklund et al. 2009 HERO ID: 679890 <i>OQD:</i> Medium	Nybohov, Stockholm; Skarpnack, Stockholm; Garda, Goteborg, SE Scenario: Stormwater from catchment in Skarpnäck following storm events (n = 5; DF = 0.20; Sampling Period: Jun., 2006 - Oct., 2006)	LOD: .10 µg/L LOQ: Not Reported	POINT VALUE(S): [0.45 µg/L; <LOD; <LOD; <LOD; <LOD]				
Björklund et al. 2009 HERO ID: 679890 <i>OQD:</i> Medium	Nybohov, Stockholm; Skarpnack, Stockholm; Garda, Goteborg, SE Scenario: Stormwater from catchment in Nybohov following storm events (n = 3; DF = 0.33; Sampling Period: Jun., 2006 - Oct., 2006)	LOD: .10 µg/L LOQ: Not Reported	POINT VALUE(S): [0.18 µg/L; <LOD; <LOD]				
Björklund et al. 2009 HERO ID: 679890 <i>OQD:</i> Medium	Nybohov, Stockholm; Skarpnack, Stockholm; Garda, Goteborg, SE Scenario: Stormwater from catchment in Gårda following storm events (n = 5; DF = 0.40; Sampling Period: Jun., 2006 - Oct., 2006)	LOD: 0.10 µg/L LOQ: Not Reported	POINT VALUE(S): [0.30 µg/L; 0.11 µg/L; <LOD; <LOD; <LOD]				
Blair et al. 2009 HERO ID: 787951 ‡ <i>OQD:</i> Medium <i>MnBP</i>	Vancouver, British Columbia, CA Scenario: Seawater from False Creek, Vancouver (n = 10; DF = 1.0; Sampling Period: May, 2004 - Sept., 2006)	LOD: 1.7 ng/g LOQ: Not Reported	50.9 ng/g	107.8 ng/g	NR	NR	NR
Keil et al. 2011 HERO ID: 788135 <i>OQD:</i> Medium	Puget Sound, WA, US Scenario: Water from highly urbanized waterway (n = 66; DF = 0.26; Sampling Period: Mar., 2010)	LOD: Not Reported LOQ: Not Reported	101.58 ng/L	NR	NR	25th: 386.37 ng/L; 50th: 722.06 ng/L; 75th: 1444.34 ng/L;	NR
Keil et al. 2011 HERO ID: 788135 <i>OQD:</i> Medium	Barkley Sound, British Columbia, CA Scenario: Water from unaltered fjord (n = 22; DF = 0; Sampling Period: Mar., 2010)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Martí et al. 2011 HERO ID: 1002160 <i>OQD:</i> High	Comunidad Valenciana region, ES Scenario: Surface water from coastal waterbodies (n = 160; DF = 0.35; Sampling Period: Jul., 2008 - May, 2009)	LOD: 0.1 mg/L LOQ: Not Reported	<LOD	0.3 mg/L	NR	50th: <LOD;	NR
de Los Ríos et al. 2012 HERO ID: 1401402 <i>OQD:</i> Medium	Cantabria, northern Spain, ES Scenario: Water from the control site in Cantabria, Spain. (n = 3; DF = 1; Sampling Period: May, 2007 - Aug., 2007)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.85 µg/L (AM)	NR	0.66 µg/L (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Roinville, FR Scenario: Surface water from Orge River at Roinville (n = 2; DF = NR; Sampling Period: Sept., 2008)	LOD: 54 pg/L LOQ: Not Reported	NR	NR	10 ng/L (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Viry-Chatillon, FR Scenario: Surface water from Orge River at Viry-Chatillon (n = 8; DF = NR; Sampling Period: Oct., 2009)	LOD: 54 pg/L LOQ: Not Reported	NR	NR	120 ng/L (AM)	NR	80 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Marnay-sur-Seine, FR Scenario: Surface water from Seine River at Marnay-sur-Seine (n = 8; DF = NR; Sampling Period: Aug., 2009)	LOD: 54 pg/L LOQ: Not Reported	NR	NR	49 ng/L (AM)	NR	21 ng/L (ASD)
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Epinay-sur-Seine, FR Scenario: Surface water from Seine River at Epinay-sur-Seine (n = 2; DF = NR; Sampling Period: Aug., 2008)	LOD: 54 pg/L LOQ: Not Reported	NR	NR	101 ng/L (AM)	NR	NR
Teil et al. 2014 HERO ID: 2149497 <i>OQD:</i> Medium	Triel-sur-Seine, FR Scenario: Surface water from Seine River at Triel-sur-Seine (n = 9; DF = NR; Sampling Period: Nov., 2009)	LOD: 54 pg/L LOQ: Not Reported	NR	NR	134 ng/L (AM)	NR	140 ng/L (ASD)
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Seawater samples (n = 17; DF = 0.58; Sampling Period: 2006)	LOD: 180-220 ng/L LOQ: Not Reported	50 ng/L	244 ng/L	110 ng/L (GM)	NR	NR
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Freely Dissolved Seawater samples (n = 17; DF = 0.58; Sampling Period: 2006)	LOD: 180-220 ng/L LOQ: Not Reported	33.8 ng/L	165 ng/L	74.3 ng/L (GM)	NR	NR
Liu et al. 2013 HERO ID: 2241701 <i>OQD:</i> High	Louisiana, US Scenario: Water samples from the Bonnet Carre Spillway of Lake Pontchartrain (n = 42; DF = 0.95; Sampling Period: Mar., 2008 - Jun., 2009)	LOD: 0.03 µg/L LOQ: Not Reported	<LOD	3.3 µg/L	NR	NR	NR
Liu et al. 2013 HERO ID: 2241701 <i>OQD:</i> High	Louisiana, US Scenario: Water samples from the center of Lake Pontchartrain (n = 54; DF = 0.8; Sampling Period: Mar., 2008 - Jun., 2009)	LOD: 0.03 µg/L LOQ: Not Reported	NR	0.69 µg/L	NR	NR	NR
Domínguez-Morueco et al. 2014 HERO ID: 2510737 <i>OQD:</i> High	Madrid, ES Scenario: Surface water from River Manzanares and Jarama in Madrid, Spain. (n = 7; DF = 1; Sampling Period: Feb., 2012)	LOD: 230 ng/L LOQ: 687.0 ng/L	NR	NR	817 ng/L (AM)	NR	554 ng/L (ASD)
Net et al. 2014 HERO ID: 2932024 <i>OQD:</i> Medium	Picardie Region, FR Scenario: Surface water samples from the Somme River (n = 13; DF = 1.00; Sampling Period: Oct., 2012)	LOD: Not Reported LOQ: 0.01 µg/L	0.22 µg/L	7.58 µg/L	2.404 µg/L (AM)	NR	NR
Net et al. 2015 HERO ID: 3012380 <i>OQD:</i> Medium	Zingem, Scheldt basin, BE Scenario: Water from watercourse in the cross-boarder of Northern France-Belgium (n = Not Reported; DF = NR; Sampling Period: Jul., 2014 - Oct., 2014)	LOD: Not Reported LOQ: 0.05 ng/L	NR	NR	21.1 µg/L (AM)	NR	2.1 µg/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Schmidt et al. 2020 HERO ID: 6966453 <i>OQD:</i> High	Rhone River, Arles, FR Scenario: Surface water 15 km downstream from two WWTP effluents (n = 22; DF = 1; Sampling Period: May, 2017 - Apr., 2018)	LOD: Not Reported LOQ: 0.03 ng/L	7.3 ng/L	107.7 ng/L	32.8 ng/L (AM)	50th: 19.0 ng/L;	31.0 ng/L (ASD)

* 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).

‡ Data extraction results are for metabolite concentrations.

Table 14: Data Extraction Tables of Exposure Monitoring Studies for Terrestrial Species

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Coach Terminal Station, CN Scenario: Plants from Coach Terminal Station (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 $\mu\text{g/mL}$ LOQ: Not Reported	NR	NR	0.04 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Ninghe garden, CN Scenario: Plants from NingHe garden (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 $\mu\text{g/mL}$ LOQ: Not Reported	NR	NR	0.00791 Other (AM)	NR	NR
Tian et al. 2016 HERO ID: 3367249 <i>OQD:</i> Medium	Changji City, Lanshan district, CN Scenario: Plants from Lanshan district (n = 4; DF = NR; Sampling Period: Oct., 2014 - Dec., 2014)	LOD: 1.52 $\mu\text{g/mL}$ LOQ: Not Reported	NR	NR	0.0544 Other (AM)	NR	NR

Table 15: Data Extraction Tables of Exposure Monitoring Studies for Wastewater

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Paxéus et al. 1992 HERO ID: 667025 OQD: Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1989 (n = 4; DF = 1; Sampling Period: 1989)	LOD: Not Reported LOQ: Not Reported	NR	NR	36.3 µg/L (AM)	NR	NR
Paxéus et al. 1992 HERO ID: 667025 OQD: Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1990 (n = 4; DF = 1; Sampling Period: 1990)	LOD: Not Reported LOQ: Not Reported	NR	NR	86 µg/L (AM)	NR	NR
Paxéus et al. 1992 HERO ID: 667025 OQD: Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1991 (n = 8; DF = 1; Sampling Period: 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	75 µg/L (AM)	NR	NR
Paxéus et al. 1992 HERO ID: 667025 OQD: Medium	Goteborg, SE Scenario: Effluent wastewater from Goteborg Regional Sewage Works, 1989-1991 (n = 7; DF = 1; Sampling Period: 1989 - 1991)	LOD: Not Reported LOQ: Not Reported	0.1 µg/L	2.0 µg/L	NR	NR	NR
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Effluent water of Obafemi Awolowo University sewage lagoon - S3, at oxidation pond (n = 24; DF = 1; Sampling Period: Sept., 2002)	LOD: 2.64 µg/L LOQ: Not Reported	NR	NR	23.98 mg/L (AM)	NR	NR
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Effluent water of Obafemi Awolowo University sewage lagoon - S4, discharge point (n = 18; DF = 1; Sampling Period: Sept., 2002)	LOD: 2.64 µg/L LOQ: Not Reported	NR	NR	13.13 mg/L (AM)	NR	NR
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Influent water of Obafemi Awolowo University sewage lagoon - S1, 30m from inlet (n = 24; DF = 1; Sampling Period: Sept., 2002)	LOD: 2.64 µg/L LOQ: Not Reported	NR	NR	51.09 mg/L (AM)	NR	NR
Ogunfowokan et al. 2006 HERO ID: 680101 OQD: High	Ile, Ife, NG Scenario: Influent water of Obafemi Awolowo University sewage lagoon - S2, at inlet (n = 24; DF = 1; Sampling Period: Sept., 2002)	LOD: 2.64 µg/L LOQ: Not Reported	NR	NR	31.68 mg/L (AM)	NR	NR
Kotowska et al. 2012 HERO ID: 1106739 OQD: Uninformative	Białystok, Poland, PL Scenario: Effluent WWTP samples from Białystok, Poland-DBP (n = 5; DF = NR; Sampling Period: Feb., 2011 - Nov., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND % (AM)	NR	ND % (ASD)
Kotowska et al. 2012 HERO ID: 1106739 OQD: Uninformative	Białystok, Poland, PL Scenario: Influent WWTP samples from Białystok, Poland-DBP (n = 5; DF = NR; Sampling Period: Feb., 2011 - Nov., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND % (AM)	NR	ND % (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Reyes-Contreras et al. 2011 HERO ID: 1249709 OQD: Medium	Galicia, ES Scenario: Wastewater winter (n = 4; DF = 1; Sampling Period: Winter, 2008)	LOD: Not Reported LOQ: Not Reported	0.20 μg/L	0.55 μg/L	0.38 μg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 HERO ID: 1249709 OQD: Medium	Galicia, ES Scenario: Wastewater summer (n = 4; DF = 1; Sampling Period: Summer, 2009)	LOD: Not Reported LOQ: Not Reported	0.12 μg/L	0.20 μg/L	0.16 μg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 HERO ID: 1249709 OQD: Medium	Galicia, ES Scenario: Sludge winter (n = 1; DF = 1; Sampling Period: Winter, 2008)	LOD: 0.028 μg/L LOQ: 0.049 μg/L	POINT VALUE(S): [146 μg/kg]				
Reyes-Contreras et al. 2011 HERO ID: 1249709 OQD: Medium	Galicia, ES Scenario: Sludge summer (n = 1; DF = 1; Sampling Period: Summer, 2009)	LOD: 0.028 μg/L LOQ: 0.049 μg/L	POINT VALUE(S): [326 μg/kg]				
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 = 1; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	450 μg/L (AM)	NR	NR
Roy F. Weston Inc et al. 1980 HERO ID: 1333014 OQD: Medium	Philidelphia, Pennsylvania, US Scenario: Effluent wastewater from Rohm and Haas chemical facility (n = 5; DF = 0.4; Sampling Period: Apr., 1979 - Dec., 1979)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [15 μg/L; — μg/L; — μg/L; — μg/L; 35.1 μg/L]				
Roy F. Weston Inc et al. 1980 HERO ID: 1333014 OQD: Medium	Philidelphia, Pennsylvania, US Scenario: Influent wastewater of Northeast Wastewater Treatment Plant, downstream of Rohm and Haas process sewer (n = 2; DF = 1; Sampling Period: Apr., 1979 - Dec., 1979)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [3.3 μg/L; 496 μg/L]				
Kirchmann et al. 1991 HERO ID: 1333321 OQD: Low	Vadstena, SE Scenario: Sewage sludge samples (n = 3; DF = 0; Sampling Period: 1989)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Meng et al. 2014 HERO ID: 2345986 OQD: Medium	Shanghai, East China, CN Scenario: Final sewage sludge from WWTPs in a highly urbanized city in East China (n = 25; DF = 1.0; Sampling Period: Jun., 2010 - Oct., 2010)	LOD: 1.0 pg LOQ: 100 pg/g	1.2 μg/g	111 μg/g	22.4 μg/g (AM)	50th: 9.8 μg/g;	NR
Tran et al. 2014 HERO ID: 2519056 OQD: Medium	Essonne, FR Scenario: WWTP influent water from Charmoise River (n = 48; DF = NR; Sampling Period: Feb., 2010 - Feb., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.1 μg/L (GM)	NR	1.6 μg/L (GSD)
Tran et al. 2014 HERO ID: 2519056 OQD: Medium	Essonne, FR Scenario: WWTP effluent water into Charmoise River (n = 48; DF = NR; Sampling Period: Feb., 2010 - Feb., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.14 μg/L (GM)	NR	0.10 μg/L (GSD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Tran et al. 2015 HERO ID: 2914670 <i>OQD:</i> Medium	Essonne, France, FR Scenario: Sewage sludge from the WWTP of Fontenay-les-Briis (n = 4; DF = NR; Sampling Period: 2010 - 2011)	LOD: 1.3 pg/g LOQ: Not Reported	NR	NR	0.146 $\mu\text{g/kg}$ (AM)	NR	0.094 $\mu\text{g/kg}$ (ASD)
Liu et al. 2016 HERO ID: 3350971 <i>OQD:</i> Medium	Eastern China, CN Scenario: Wastewater from a chemical industrial park (n = 7; DF = 0.14; Sampling Period: 2016)	LOD: 0.004 $\mu\text{g/L}$ LOQ: Not Reported	NR	0.273 $\mu\text{g/L}$	0.3 $\mu\text{g/L}$ (AM)	NR	NR
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Ares, Spain, ES Scenario: 24 h influent wastewater from Ares WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [186 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Ares, Spain, ES Scenario: 24 h effluent wastewater from Ares WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [10 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Baiona, Spain, ES Scenario: 24 h influent wastewater from Baiona WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [274 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Baiona, Spain, ES Scenario: 24 h effluent wastewater from Baiona WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [52 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Cambados, Spain, ES Scenario: 24 h influent wastewater from Cambados WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [245 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Cambados, Spain, ES Scenario: 24 h effluent wastewater from Cambados WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [53 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Gondomar, Spain, ES Scenario: 24 h influent wastewater from Gondomar WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [55 ng/L]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Gondomar, Spain, ES Scenario: 24 h effluent wastewater from Gondomar WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [12 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Nigran, Spain, ES Scenario: 24 h influent wastewater from Nigran WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [59 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Nigran, Spain, ES Scenario: 24 h effluent wastewater from Nigran WWTP (n = 1; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [12 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Santiago, Spain, ES Scenario: Grab effluent wastewater from Santiago WWTP (n = 1; DF = 0; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Santiago, Spain, ES Scenario: Grab influent wastewater from Santiago WWTP (n = 2; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [145 ng/L; 128 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MnBP</i>	Santiago, Spain, ES Scenario: 24 h influent wastewater from Santiago WWTP (n = 7; DF = 1; Sampling Period: Apr., 2016 - Jun., 2016)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [160 ng/L; 142 ng/L; 147 ng/L; 139 ng/L; 114 ng/L; 145 ng/L; 163 ng/L]				
Olofsson et al. 2013 HERO ID: 4182871 <i>OQD:</i> Medium	Stockholm, SE Scenario: STP A sludge, mix of industrial sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 1.25 mg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Olofsson et al. 2013 HERO ID: 4182871 <i>OQD:</i> Medium	Gothenburg, SE Scenario: STP B sludge, mix of industrial sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 1.4 mg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Olofsson et al. 2013 HERO ID: 4182871 <i>OQD:</i> Medium	Eslöv, SE Scenario: STP C sludge, food industry sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 0.22 mg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Olofsson et al. 2013 HERO ID: 4182871 <i>OQD:</i> Medium	Umeå, SE Scenario: STP D sludge, hospital sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 6.4 mg/kg 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
Olofsson et al. 2013 HERO ID: 4182871 OQD: Medium	Borås, SE Scenario: STP E sludge, hospital/textile/chemical industry sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 0.2 mg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Olofsson et al. 2013 HERO ID: 4182871 OQD: Medium	Alingsås, SE Scenario: STP F sludge, laundry industry sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 0.94 mg/kg LOQ: Not Reported	NR	NR	<LOD	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: 1.36 mg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Adelaide, South Africa, ZA Scenario: Influent from Adelaide WWTP (n = 6; DF = 0.83; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	<LOD	451.48 µg/L	195.14 µg/L (AM)	NR	61.53 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Adelaide, South Africa, ZA Scenario: Effluent from Adelaide WWTP (n = 6; DF = 0.83; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	<LOD	26.47 µg/L	8.88 µg/L (AM)	NR	1.12 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Adelaide, South Africa, ZA Scenario: Sludge from Adelaide WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	4.27 µg/L	51.72 µg/L	27.99 µg/L (AM)	NR	13.70 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Alice, South Africa, ZA Scenario: Influent from Alice WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	3.05 µg/L	2488.31 µg/L	1146.37 µg/L (AM)	NR	384.80 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Alice, South Africa, ZA Scenario: Effluent from Alice WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	1.17 µg/L	22.34 µg/L	6.08 µg/L (AM)	NR	0.80 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Alice, South Africa, ZA Scenario: Sludge from Alice WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	939.16 µg/L	1248.58 µg/L	1093.87 µg/L (AM)	NR	89.32 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Seymour, South Africa, ZA Scenario: Influent from Seymour WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	2.70 µg/L	277.89 µg/L	78.29 µg/L (AM)	NR	4.71 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Seymour, South Africa, ZA Scenario: Effluent from Seymour WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	1.05 µg/L	7.68 µg/L	4.90 µg/L (AM)	NR	1.23 µg/L (SE)
Salaudeen et al. 2018 HERO ID: 4728386 OQD: High	Seymour, South Africa, ZA Scenario: Sludge from Seymour WWTP (n = 6; DF = 1; Sampling Period: Feb., 2016 - Jul., 2016)	LOD: 0.85 µg/L LOQ: 1.75-3.99 µg/L	311.38 µg/L	519.47 µg/L	429.67 µg/L (AM)	NR	43.66 µg/L (SE)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Influent wastewater from Chengyang WWTP in a coastal city of China (n = 57; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	16.79 ng/mL	24.09 ng/mL	21.10 ng/mL (AM)	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Influent wastewater from Licun WWTP in a coastal city of China (n = 57; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	49.05 ng/mL	51.15 ng/mL	46.55 ng/mL (AM)	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Influent wastewater from Haibo River WWTP in a coastal city of China (n = 57; DF = 0; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Effluent wastewater from Chengyang WWTP in a coastal city of China (n = 57; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	8.74 ng/mL (AM)	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Effluent wastewater from Licun WWTP in a coastal city of China (n = 57; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	19.79 ng/mL (AM)	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Effluent wastewater from Haibo River WWTP in a coastal city of China (n = 57; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.32 ng/mL (AM)	NR	NR
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Sludge from Chengyang WWTP in a coastal city of China (n = 9; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	16.73 ng/mL (AM)	NR	4.77 ng/mL (ASD)
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Sludge from Licun WWTP in a coastal city of China (n = 9; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	17.39 ng/mL (AM)	NR	0.29 ng/mL (ASD)
Wu et al. 2019 HERO ID: 5442818 OQD: High	Qingdao, China, CN Scenario: Sludge from Haibo River WWTP in a coastal city of China (n = 9; DF = 1; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.51 ng/mL (AM)	NR	0.22 ng/mL (ASD)
Wilk et al. 2019 HERO ID: 5709835 OQD: Medium	Pomerania region and Gdynia, PL Scenario: Raw wastewater from Cruise Ships and Ferries (RMT-WW) (n = 10; DF = 0; Sampling Period: Apr., 2015 - Oct., 2016)	LOD: 16.1 µg/L LOQ: 53.6 µg/L	NR	NR	<LOD	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wilk et al. 2019 HERO ID: 5709835 <i>OQD:</i> Medium	Pomerania region and Gdynia, PL Scenario: Pretreated wastewater from Cruise Ships and Ferries (PMT-WW) (n = 10; DF = 0; Sampling Period: Apr., 2015 - Oct., 2016)	LOD: 16.1 $\mu\text{g/L}$ LOQ: 53.6 $\mu\text{g/L}$	NR	NR	<LOD	NR	NR
Wilk et al. 2019 HERO ID: 5709835 <i>OQD:</i> Medium	Pomerania region and Gdynia, PL Scenario: Inflow of a municipal WWTP (n = 6; DF = 0; Sampling Period: Jan., 2015 - Dec., 2016)	LOD: 16.1 $\mu\text{g/L}$ LOQ: 53.6 $\mu\text{g/L}$	NR	NR	<LOD	NR	NR
Loraine et al. 2006 HERO ID: 5743010 <i>OQD:</i> Medium	San Diego County, CA, US Scenario: Reclaimed wastewater for nonpotable use (WWRP effluent) (n = 6; DF = 0.17; Sampling Period: Sept., 2001 - Jun., 2002)	LOD: 2.7 $\mu\text{g/L}$ LOQ: Not Reported	NR	NR	3.71 $\mu\text{g/L}$ (AM)	NR	NR
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Influent wastewaters from WWTP in Poland (n = 36; DF = 0.58; Sampling Period: May, 2010 - May, 2012)	LOD: 0.009 $\mu\text{g/L}$ LOQ: 0.031 $\mu\text{g/L}$	<LOD	65.6 $\mu\text{g/L}$	12.8 $\mu\text{g/L}$ (AM)	50th: 1.03 $\mu\text{g/L}$;	3.12 $\mu\text{g/L}$ (ASD)
Kotowska et al. 2020 HERO ID: 6958938 <i>OQD:</i> High	Multiple regions in Poland, PL Scenario: Effluent wastewaters from WWTP in Poland (n = 36; DF = 0.75; Sampling Period: May, 2010 - May, 2012)	LOD: 0.002 $\mu\text{g/L}$ LOQ: 0.008 $\mu\text{g/L}$	<LOD	365.8 $\mu\text{g/L}$	33.3 $\mu\text{g/L}$ (AM)	50th: 9.37 $\mu\text{g/L}$;	5.33 $\mu\text{g/L}$ (ASD)
Lee et al. 2019 HERO ID: 6959335 <i>OQD:</i> High	KR Scenario: Effluent sludge from WWTPs receiving domestic waste (n = 16; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.112 ng/g LOQ: Not Reported	790 ng/g	6300 ng/g	3000 ng/g (AM)	NR	NR
Lee et al. 2019 HERO ID: 6959335 <i>OQD:</i> High	KR Scenario: Effluent sludge from WWTPs receiving mixed (industrial and domestic) waste (n = 9; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.112 ng/g LOQ: Not Reported	1500 ng/g	11000 ng/g	4100 ng/g (AM)	NR	NR
Lee et al. 2019 HERO ID: 6959335 <i>OQD:</i> High	KR Scenario: Effluent sludge from WWTPs receiving industrial waste (n = 15; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.112 ng/g LOQ: Not Reported	580 ng/g	59000 ng/g	5900 ng/g (AM)	NR	NR
Dong et al. 2020 HERO ID: 7976582 <i>OQD:</i> Medium	Southwest, TW Scenario: Sludge from seven WWTP in Taiwan (n = 7; DF = 1; Sampling Period: 2020)	LOD: 0.005 mg/kg LOQ: Not Reported	POINT VALUE(S): [0.146 mg/kg; 0.050 mg/kg; 0.050 mg/kg; 0.203 mg/kg; 0.297 mg/kg; 0.136 mg/kg; 0.166 mg/kg]				
WSDE et al. 2022 HERO ID: 11505405 <i>OQD:</i> Medium	Puget Sound region, WA, US Scenario: Pretreated food processing wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND $\mu\text{g/L}$]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated metal finishing wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND µg/L; ND µg/L]				
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated steel foundry wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [56.774 µg/L]				
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated aerospace/aircraft modification wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND µg/L; ND µg/L]				
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated landfill wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND µg/L]				
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated industrial laundry wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [6.593 µg/L]				
WSDE et al. 2022 HERO ID: 11505405 OQD: Medium	Puget Sound region, WA, US Scenario: Pretreated ship building and repair wastewaters that are received by POTWs (n = 1; DF = NR; Sampling Period: Jan., 2021 - Apr., 2021)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND µg/L]				
Wang et al. 2022 HERO ID: 11784627 OQD: Medium	Western region, TW Scenario: Sludge from 3 water treatment plants (WTP) receiving surface water (n = 3; DF = 1; Sampling Period: 2022)	LOD: 1.44 µg/kg LOQ: Not Reported	POINT VALUE(S): [13.4 µg/kg; 7.57 µg/kg; 3.46 µg/kg]				
Wang et al. 2022 HERO ID: 11784627 OQD: Medium	Western region, TW Scenario: Sludge from 8 sewage treatment plants (STP) receiving domestic wastewater (n = 8; DF = 1; Sampling Period: 2022)	LOD: 1.44 µg/kg LOQ: Not Reported	POINT VALUE(S): [144 µg/kg; 37.7 µg/kg; 27.3 µg/kg; 93.6 µg/kg; 202 µg/kg; 86.6 µg/kg; 92.3 µg/kg; 540 µg/kg]				
Wang et al. 2022 HERO ID: 11784627 OQD: Medium	Western region, TW Scenario: Sludge from 6 industrial waste treatment plants (ITP) receiving wastewater from various industries (n = 6; DF = 1; Sampling Period: 2022)	LOD: 1.44 µg/kg LOQ: Not Reported	POINT VALUE(S): [154 µg/kg; 10.6 µg/kg; 27.1 µg/kg; 1000 µg/kg; 51.3 µg/kg; 63.1 µg/kg]				
Sanchez-Avila et al. 2009 HERO ID: 547906 OQD: High	Maresme, Catalonia, ES Scenario: Wastewater (raw influent) (n = 6; DF = NR; Sampling Period: Nov., 2007)	LOD: 5.00 ng/L LOQ: Not Reported	NR	NR	46.8 µg/L (AM)	NR	15 µg/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Martí et al. 2011 HERO ID: 1002160 <i>OQD:</i> High	Comunidad Valenciana region, ES Scenario: Treated wastewater effluent from WWTPs (n = 84; DF = 0.45; Sampling Period: Mar., 2008 - Nov., 2008)	LOD: 0.1 mg/L LOQ: Not Reported	<LOD	0.9 mg/L	NR	50th: <LOD;	NR
Dargnat et al. 2009 HERO ID: 1322123 <i>OQD:</i> High	Seine River Estuary, FR Scenario: Wastewater discharges from three WWTPs into the Seine estuary. (n = 3; DF = 1; Sampling Period: Jul., 2006)	LOD: 93 ng/L LOQ: Not Reported	374 ng/L	420 ng/L	391.7 ng/L (AM)	50th: 381 ng/L;	NR
de Los Ríos et al. 2012 HERO ID: 1401402 <i>OQD:</i> Medium	Cantabria, northern Spain, ES Scenario: Water from the outfall in Cantabria, Spain. (n = 3; DF = 1; Sampling Period: May, 2007 - Aug., 2007)	LOD: Not Reported LOQ: Not Reported	NR	NR	5.38 µg/L (AM)	NR	0.81 µg/L (ASD)
de Los Ríos et al. 2012 HERO ID: 1401402 <i>OQD:</i> Medium	Cantabria, northern Spain, ES Scenario: Water from the wastewater treatment plant in Cantabria, Spain. (n = 3; DF = 1; Sampling Period: May, 2007 - Aug., 2007)	LOD: Not Reported LOQ: Not Reported	Point Value: 3.33 µg/L ; Point Value: 58.90 µg/L ; Point Value: 3.57 µg/L				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Residential wastewater (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 0.36; 0.34 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Nail salon wastewater (n = 1; DF = 1; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.46 µg/L]				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Industrial laundry wastewater (n = 2; DF = 0.5; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [86 µg/L; ND]				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Diaper service/coin laundry wastewater (n = 2; DF = 0.5; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [12 µg/L; ND]				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Pet wash/Veterinary clinic wastewater (n = 2; DF = 0.5; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.76 µg/L; ND]				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Hospital/Medical clinic wastewater (n = 2; DF = 0.5; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.66 µg/L; ND]				
Jackson et al. 2008 HERO ID: 1408465 <i>OQD:</i> Medium	Eastern shore of San Francisco Bay, US Scenario: Manufacturers wastewater (pharmaceutical, plastic bag, paper products, beverage, and adhesives) (n = 5; DF = 0.6; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.58 µg/L; 0.36 µg/L; 120 µg/L; ND; ND]				

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Table 15 – 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 <i>OQD</i> : Medium	Eastern shore of San Francisco Bay, US Scenario: Pre-treatment WWTP Influent (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 3.6 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 HERO ID: 1408465 <i>OQD</i> : 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): [0.57 µg/L; 5.5 µg/L; ND]				

‡ Data extraction results are for metabolite concentrations.

Table 16: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Tsumura et al. 2001 HERO ID: 683035 <i>OQD:</i> Medium	JP (Testing Location) Scenario: Measured concentration in fabric (medium hard type) PVC gloves (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.3 mg/g]				
Tsumura et al. 2001 HERO ID: 683035 <i>OQD:</i> Medium	JP (Testing Location) Scenario: Measured concentration in fabric (soft type) PVC gloves (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Tsumura et al. 2001 HERO ID: 683035 <i>OQD:</i> Medium	JP (Testing Location) Scenario: Measured concentration in market (soft type) PVC gloves (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Ionas et al. 2014 HERO ID: 2345985 <i>OQD:</i> 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 = 25; DF = 0.96)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	NR	50th: <LOQ;	NR
Ionas et al. 2014 HERO ID: 2345985 <i>OQD:</i> 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 = 16; DF = 0.94)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Ionas et al. 2014 HERO ID: 2345985 <i>OQD:</i> High	Cities and Regions NR, CN,HK,IT,KR,NL,ES,TH,US (Product source) Scenario: Measured concentration in wood children's toys (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Ionas et al. 2014 HERO ID: 2345985 <i>OQD:</i> 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 = 8; DF = 0.88)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in false teeth analyzed by DESI MS (n = 1; DF = 1)	LOD: 0.8 % LOQ: 1.35 %	POINT VALUE(S): [22.5 %]				
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in false teeth analyzed by GC-FID and GC-MS (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [16.4 %]				

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in scoubidou strings analyzed by DESI MS (n = 1; DF = 1)	LOD: 0.8 % LOQ: 1.35 %				POINT VALUE(S): [19.8 %]	
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in scoubidou strings analyzed by HPLC-DAD (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported				POINT VALUE(S): [22.3 %]	
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in carnival mask analyzed by DESI MS (n = 1; DF = 1)	LOD: 0.8 % LOQ: 1.35 %				POINT VALUE(S): [18.2 %]	
Schulz et al. 2015 HERO ID: 2914652 <i>OQD:</i> High	Bremen, Germany, DE (Product source) Scenario: Concentration in carnival mask analyzed by GC-FID and GC-MS (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported				POINT VALUE(S): [21 %]	
Gu et al. 2019 HERO ID: 5708386 <i>OQD:</i> 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): [17 ng/m ³]	
Gu et al. 2019 HERO ID: 5708386 <i>OQD:</i> 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): [10 ng/m ³]	
Gu et al. 2019 HERO ID: 5708386 <i>OQD:</i> 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): [24 ng/m ³]	
Gu et al. 2019 HERO ID: 5708386 <i>OQD:</i> Medium	PL (Product source) Scenario: Measured concentration of indoor air from PETG Black filament during 3D printing (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported				POINT VALUE(S): [ND]	
Gu et al. 2019 HERO ID: 5708386 <i>OQD:</i> 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): [18 ng/m ³]	

Table 17: Data Extraction Tables of Exposure Modeling Studies for Dust (Indoor)

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Valazquez-Gomez et al. 2019 HERO ID: 5043338 <i>OQD:</i> High	Barcelona, ES (Modeled Location) Scenario: Modeled toddler daily intake from median dust ingestion	NR	NR	NR	50th: 38.6 ng/kg/day; 95th: 92.1 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 HERO ID: 5043338 <i>OQD:</i> High	Barcelona, ES (Modeled Location) Scenario: Modeled teenager daily intake from median dust ingestion	NR	NR	NR	50th: 2.86 ng/kg/day; 95th: 7.68 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 HERO ID: 5043338 <i>OQD:</i> High	Barcelona, ES (Modeled Location) Scenario: Modeled toddler daily intake from high dust ingestion	NR	NR	NR	50th: 154 ng/kg/day; 95th: 368 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 HERO ID: 5043338 <i>OQD:</i> High	Barcelona, ES (Modeled Location) Scenario: Modeled teenager daily intake from high dust ingestion	NR	NR	NR	50th: 7.14 ng/kg/day; 95th: 19.2 ng/kg/day;	NR
Giovanoulis et al. 2019 HERO ID: 5412073 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled daily exposure dose for preschoolers from dust ingestion, intermediate exposure	NR	NR	93.6 ng/kg bw/day (AM)	50th: 27.6 ng/kg bw/day; 95th: 153 ng/kg bw/day;	NR
Giovanoulis et al. 2019 HERO ID: 5412073 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled daily exposure dose for preschoolers from dust ingestion, high exposure	NR	NR	156 ng/kg bw/day (AM)	50th: 45.9 ng/kg bw/day; 95th: 254 ng/kg bw/day;	NR
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during average dust intake using median concentrations	POINT VALUE(S): [20 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during high dust intake using median concentrations	POINT VALUE(S): [51 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during high dust intake using 95th percentile concentrations	POINT VALUE(S): [406 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during average dust intake using median concentrations	POINT VALUE(S): [420 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during high dust intake using median concentrations	POINT VALUE(S): [1681 ng/kg bw/day]				

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during high dust intake using 95th percentile concentrations			POINT VALUE(S): [13408 ng/kg bw/day]		

Table 18: 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 <i>OQD:</i> Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs in a whole house from indoor surfaces	-2.019 log10 mg/day	1.145 log10 mg/day	NR	25th: -0.761 log10 mg/day; 50th: -0.336 log10 mg/day; 75th: 0.173 log10 mg/day;	NR
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during average air intake using median concentrations	POINT VALUE(S): [33 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [122 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during average air intake using median concentrations	POINT VALUE(S): [134 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 <i>OQD:</i> Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [504 ng/kg bw/day]				

Table 19: 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 <i>OQD:</i> Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs from indoor building materials	NR	NR	1.415 log10 mg/day (AM)	NR	NR

Table 20: Glossary of Select Terms for Data Extraction

Term	Definition
7Q10	Lowest 7-day average flow that occurs (on average) once every 10 years
30Q5	Lowest 30-day average flow that occurs (on average) once every 5 years
ADD	Average daily dose
ADC	Average daily concentration
AERMOD	American Meteorological Society/EPA Regulatory Model
AERR	Air Emissions Reporting Requirements
AGD	Anogenital distance
APDR	Acute Potential Dose Rate
BAF	Bioaccumulation factor
BBP	Butyl benzyl phthalate
BLS	Bureau of Labor Statistics
CASRN	Chemical Abstracts Service Registry Number
CAP	Criteria Air Pollutants and PreCursors
CBI	Confidential business information
CDC	Centers for Disease Control and Prevention (U.S.)
CDR	Chemical Data Reporting
CEHD	Chemical Exposure Health Data
CEM	Consumer Exposure Model
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Concentration of concern
CPSC	Consumer Product Safety Commission
CRA	Cumulative risk assessment
CWA	Clean Water Act
DBP	Dibutyl phthalate
DCHP	Dicyclohexyl phthalate
DEHP	Diethylhexyl phthalate
DIBP	Diisobutyl phthalate
DIDP	Diisodecyl phthalate
DINP	Dicyclohexyl phthalate
DIY	Do-it-yourself
DMR	Discharge Monitoring Report
ECJRC	European Commission's Joint Research Centre
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ESD	Emission scenario document
EU	European Union
FDA	Food and Drug Administration
FFDCA	Federal Food, Drug, and Cosmetic Act
GWPC	Ground Water Protection Council
HAP	Hazardous Air Pollutant
HEC	Human equivalent concentration
HED	Human equivalent dose
HV	Hazard value
IADD	Intermediate average daily dose
IIOAC	Integrated Indoor-Outdoor Air Calculator (Model)
IR	Ingestion rate
K _{OC}	Soil organic carbon: water partitioning coefficient
K _{OW}	Octanol: water partition coefficient
LCD	Life cycle diagram

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Term	Definition
LOAEL	Lowest-observed-adverse-effect level
LOD	Limit of detection
LOEC	Lowest-observed-effect concentration
Log K_{OC}	Logarithmic organic carbon: water partition coefficient
Log K_{OW}	Logarithmic octanol: water partition coefficient
MBP	Monobutyl phthalate
MOA	Mode of action
MOE	Margin of exposure
MRD	Methodology Review Draft
NAICS	North American Industry Classification System
NEI	National Emissions Inventory
NHANES	National Health and Nutrition Examination Survey
NHDPlus	National Hydrography Dataset Plus
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
NOAEL	No-observed-adverse-effect level
NOEC	No-observed-effect-concentration
NPDES	National Pollutant Discharge Elimination System
NTP	National Toxicology Program
OCSPP	Office of Chemical Safety and Pollution Prevention
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational exposure limit
OES	Occupational exposure scenario
OEV	Occupational exposure value
ONU	Occupational non-user
OPPT	Office of Pollution Prevention and Toxics
OSHA	Occupational Safety and Health Administration
P50	The 50th percentile or median flow rate of a distribution of hydrologic flows
P75	The 75th percentile flow rate of a distribution of hydrologic flows
P90	The 90th percentile flow rate of a distribution of hydrologic flows
PBZ	Personal breathing zone
PECO	Population, exposure, comparator, and outcome
PEL	Permissible exposure limit (OSHA)
PESS	Potentially exposed or susceptible subpopulations
PND	Postnatal day
PNOR	Particulates not otherwise regulated
POD	Point of departure
POTW	Publicly owned treatment works
PPAR α	Peroxisome proliferator activated receptor alpha
PSC	Point Source Calculator (for VVWM)
PV	Production volume
PVC	Polyvinyl chloride
REL	Recommended Exposure Limit
RPF	Relative potency factor
RQ	Risk quotient
SACC	Science Advisory Committee on Chemicals
SDS	Safety data sheet
SOC	Standard occupational classification
SpERC	Specific emission release category
SSD	Species sensitivity distribution
SUSB	Statistics of U.S. Businesses (U.S. Census)
TRI	Toxic Release Inventory
TRV	Toxicity reference value
TSCA	Toxic Substances Control Act

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Table 20 ...continued from previous page

Term	Definition
TSD	Technical support document
TWA	Time-weighted average
UF	Uncertainty factor
U.S.	United States
VVWM-PSC	Variable Volume Water Model with Point Source Calculator tool
WebFIRE	Web Factor Information Retrieval (FIRE) Data System
WORA	Women of reproductive age
WWTP	Wastewater treatment plant