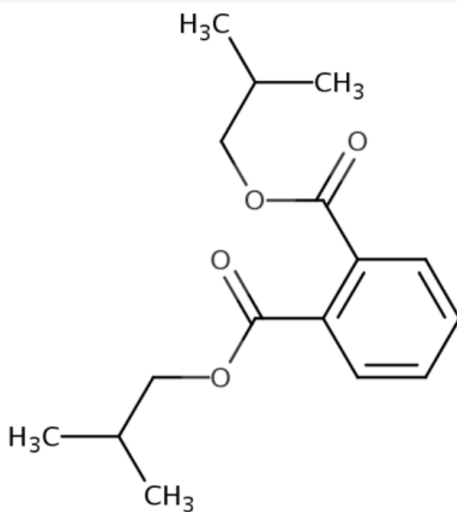

**Data Extraction Information for
General Population, Consumer, and Environmental Exposure for
Di-isobutyl Phthalate (DIBP)
(1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester)**

Systematic Review Support Document for the Draft Risk Evaluation

CASRN: 84-69-5



July 2025

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

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

Table of Contents

Table Number	Table Name	Page
Monitoring Studies		
1	Data Extraction Tables of Exposure Monitoring Studies for Ambient Air	4
2	Data Extraction Tables of Exposure Monitoring Studies for Aquatic Species	6
3	Data Extraction Tables of Exposure Monitoring Studies for Dietary	11
4	Data Extraction Tables of Exposure Monitoring Studies for Drinking Water	13
5	Data Extraction Tables of Exposure Monitoring Studies for Dust (Indoor)	15
6	Data Extraction Tables of Exposure Monitoring Studies for Groundwater	20
7	Data Extraction Tables of Exposure Monitoring Studies for Human Biomonitoring	21
8	Data Extraction Tables of Exposure Monitoring Studies for Indoor Air	33
9	Data Extraction Tables of Exposure Monitoring Studies for Other	38
10	Data Extraction Tables of Exposure Monitoring Studies for Personal Inhalation	39
11	Data Extraction Tables of Exposure Monitoring Studies for Sediment	40
12	Data Extraction Tables of Exposure Monitoring Studies for Soil	49
13	Data Extraction Tables of Exposure Monitoring Studies for Surface Water	54
14	Data Extraction Tables of Exposure Monitoring Studies for Wastewater	58
Experimental Studies		
15	Data Extraction Tables of Exposure Experimental Studies for Consumer Products	63
Modeling Studies		
16	Data Extraction Tables of Exposure Modeling Studies for Dust (Indoor)	64
17	Data Extraction Tables of Exposure Modeling Studies for Indoor Air	66
18	Data Extraction Tables of Exposure Modeling Studies for Product/Article	67
19	Glossary of Select Terms for Data Extraction	68

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 = 1.0; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: 0.25 ng/m ³ LOQ: Not Reported	POINT VALUE(S): [2.6 ng/m ³ ; 0.87 ng/m ³ ; 1.9 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 = 1.0; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.48 ng/m ³ ; 0.32 ng/m ³ ; 0.59 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 = 1.0; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.4 ng/m ³ ; 1.3 ng/m ³ ; 1.3 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 = 1.0; Sampling Period: Nov., 2006 - Apr., 2007)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.57 ng/m ³ ; 0.38 ng/m ³ ; 0.15 ng/m ³]				
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 (n = 21; DF = 0.14; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	ND	8.0 µg/g	NR	NR	NR
Quintana-Belmares et al. 2018 HERO ID: 4167514 <i>OQD:</i> Medium	Mexico City, MX Scenario: Ambient air PM2.5 measures from roof of medical clinic (n = 21; DF = 0; Sampling Period: Nov., 2012 - May, 2013)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Agarwal et al. 2020 HERO ID: 6824497 <i>OQD:</i> Medium	Delhi, India, IN Scenario: Ambient air at an urban site (n = 5; DF = 1.0; Sampling Period: Dec., 2011)	LOD: Not Reported LOQ: Not Reported	128.12 ng/m ³	994.81 ng/m ³	387.22 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 = 1.0; Sampling Period: Oct., 2014)	LOD: Not Reported LOQ: Not Reported	2650 ng/m ³	11136 ng/m ³	4736 ng/m ³ (AM)	NR	NR
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	8.0 ng/m ³ (AM)	NR	1.1 ng/m ³ (ASD)
Maceira et al. 2020 HERO ID: 6816026 <i>OQD:</i> High	Tarragona Harbour, Tarragona, ES Scenario: Outdoor air samples from a large industrial harbor area (n = 12; DF = 1; Sampling Period: Sept., 2018 - Feb., 2019)	LOD: 1.5 pg/m ³ LOQ: 4.6 pg/m ³	11230.0 pg/m ³	76378.0 pg/m ³	36097.0 pg/m ³ (AM)	50th: 32006.0 pg/m ³ ;	NR

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Diisobutyl Phthalate

Monitoring

Ambient Air

Table 1 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Maceira et al. 2020 HERO ID: 6816026 <i>OQD:</i> High	Constanti, Tarragona, ES Scenario: Outdoor air samples from a town surrounded by industrial activities (n = 12; DF = 1; Sampling Period: Sept., 2018 - Feb., 2019)	LOD: 1.5 pg/m ³ LOQ: 4.6 pg/m ³	295.0 pg/m ³	3462.0 pg/m ³	1523.0 pg/m ³ (AM)	50th: 1274.0 pg/m ³ ;	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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: Not Reported LOQ: Not Reported	NR	NR	NR	NR	NR
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: Not Reported LOQ: Not Reported	NR	NR	0.41 ppb (AM)	NR	0.41 ppb (ASD)
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: Not Reported LOQ: Not Reported	NR	NR	0.20 ppb (AM)	NR	0.22 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	NR	1.67 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: 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	1.72 ng/g (AM)	NR	1.20 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	2.36 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: 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	1.51 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	1.55 ng/g (AM)	NR	0.38 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	1.85 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	1.77 ng/g (AM)	NR	0.25 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: 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	1.22 ng/g (AM)	NR	0.40 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	1.22 ng/g (AM)	NR	0.40 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	1.46 ng/g (AM)	NR	0.21 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	1.41 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: 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	1.39 ng/g (AM)	NR	0.40 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	2.21 ng/g (AM)	NR	0.33 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	2.16 ng/g (AM)	NR	0.26 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	2.05 ng/g (AM)	NR	0.17 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	1.23 ng/g (AM)	NR	0.33 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	0.85 ng/g (AM)	NR	0.24 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	1.23 ng/g (AM)	NR	0.12 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	1.70 ng/g (AM)	NR	0.39 ng/g (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>DiBP, MiBP</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: 1.0 ng/g	NR	NR	1607 ng/g (AM)	NR	2709 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: 1.0 ng/g	NR	NR	1456 ng/g (AM)	NR	374 ng/g (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Île-de-France district, FR Scenario: Plasma of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 0.6 pg LOQ: 16.0 pg/mL	NR	NR	308 ng/mL (AM)	NR	61.9 ng/mL (ASD)
Valton et al. 2014 HERO ID: 2347469 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Île-de-France district, FR Scenario: Bile of common roach (n = 4; DF = NR; Sampling Period: Jun., 2014)	LOD: 0.6 pg LOQ: 22.0 pg/mL	NR	NR	123 ng/mL (AM)	NR	12.4 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 = 0.43; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.18 µg/kg LOQ: 0.55 µg/kg	ND	29.4 µg/kg	5.0 µg/kg (AM)	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	0.24 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	0.4 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	0.43 µg/g (AM)	NR	NR

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Table 2 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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	0.31 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	0.36 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	0.35 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	0.22 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	0.21 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	0.4 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	0.32 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	0.23 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	0.5 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	0.29 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	0.94 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	0.28 μg/g (AM)	NR	NR

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Table 2 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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	0.71 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	0.32 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	0.27 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	0.16 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	0.28 μg/g (AM)	NR	NR

‡ 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
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: 0.49 ng/g	478 ng/g	3120 ng/g	1485 ng/g (AM)	50th: 1002 ng/g;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Raw milk from industry cooling tank in Belgium (n = 1; DF = 1.0; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	NR	NR	NR	50th: <LOQ;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Pasteurised milk from industry cooling tank in Belgium (n = 3; DF = 1.0; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	<LOQ	<LOQ	NR	50th: <LOQ;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk powder pre-filling from industry in Belgium (n = 3; DF = 1.0; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	24 µg/kg	90 µg/kg	NR	50th: 32 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk powder after filling can from industry in Belgium (n = 3; DF = 1.0; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	49 µg/kg	64 µg/kg	NR	50th: 56 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk powder after filling pouch from industry in Belgium (n = 3; DF = 1.0; Sampling Period: Nov., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	31 µg/kg	33 µg/kg	NR	50th: 31 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk powder in can from retail in Belgium (n = 3; DF = 1.0; Sampling Period: Feb., 2011)	LOD: Not Reported LOQ: 15.0 µg/kg	62 µg/kg	85 µg/kg	NR	50th: 75 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk powder in pouch from retail in Belgium (n = 3; DF = 1.0; Sampling Period: Feb., 2011)	LOD: Not Reported LOQ: 15.0 µg/kg	23 µg/kg	30 µg/kg	NR	50th: 27 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Milk (Tetra Brik) from retail in Belgium (n = 5; DF = 1.0; Sampling Period: Mar., 2010 - Sept., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	<LOQ	28 µg/kg	NR	50th: 18 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: Fully mature cheese from retail in Belgium (n = 2; DF = 1.0; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	20 µg/kg	23 µg/kg	NR	50th: 21 µg/kg;	NR
Fierens et al. 2013 HERO ID: 1332529 <i>OQD:</i> Medium	BE Scenario: New cheese from retail in Belgium (n = 1; DF = 1.0; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	NR	NR	NR	50th: 22 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 <i>OQD:</i> Medium	BE Scenario: Semi-mature cheese from retail in Belgium (n = 1; DF = 1.0; Sampling Period: Sept., 2010)	LOD: Not Reported LOQ: 15.0 µg/kg	NR	NR	NR	50th: 36 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Snacks from market basket in Oslo (n = 2; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 - 4 µg/kg	6.2 µg/kg	7.7 µg/kg	NR	50th: 6.9 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Ready to eat foods from market basket in Oslo (n = 2; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 - 4 µg/kg	2.7 µg/kg	5.4 µg/kg	NR	50th: 4.1 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Milk and dairy products from market basket in Oslo (n = 4; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.015 - 4 µg/kg	ND	5.4 µg/kg	NR	50th: 3.1 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Meat and meat products from market basket in Oslo (n = 2; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 - 4 µg/kg	ND	ND	NR	50th: ND;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Beverages from market basket in Oslo (n = 4; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.015 µg/kg	0.06 µg/kg	0.88 µg/kg	NR	50th: 0.18 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Condiments from market basket in Oslo (n = 3; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 - 4 µg/kg	0.79 µg/kg	2.2 µg/kg	NR	50th: 1.5 µg/kg;	NR
Sakhi et al. 2014 HERO ID: 2501495 <i>OQD:</i> Medium	Oslo, Norway, NO Scenario: Grain and grain products from market basket in Oslo (n = 5; DF = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 µg/kg	1 µg/kg	24 µg/kg	NR	50th: 6.9 µg/kg;	NR
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 = 0.68; Sampling Period: Apr., 2012)	LOD: Not Reported LOQ: 0.5 - 4 µg/kg	ND	3.2 µg/kg	NR	50th: 0.72 µg/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 OQD: High	Changzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Changzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	19 ng/L (AM)	NR	2.3 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Changzhou, Yangtze River Delta, China, CN Scenario: Tap water from Changzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	13 ng/L (AM)	NR	1.7 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Suzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks from Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	15 ng/L (AM)	NR	1.8 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Suzhou, Yangtze River Delta, China, CN Scenario: Tap water from Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	110 ng/L (AM)	NR	12 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Wuxi, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	45 ng/L (AM)	NR	1.7 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Wuxi, Yangtze River Delta, China, CN Scenario: Tap water from Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	46 ng/L (AM)	NR	2.9 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Xuzhou, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Xuzhou (n = 3; DF = 0; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	ND	NR	NR
Shi et al. 2012 HERO ID: 1249969 OQD: High	Xuzhou, Yangtze River Delta, China, CN Scenario: Tap water from Xuzhou (n = 3; DF = 0; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	ND	NR	NR
Shi et al. 2012 HERO ID: 1249969 OQD: High	Yancheng, Yangtze River Delta, China, CN Scenario: Finished water from waterworks for Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	27 ng/L (AM)	NR	0.8 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Yancheng, Yangtze River Delta, China, CN Scenario: Tap water from Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	11 ng/L (AM)	NR	1.9 ng/L (ASD)
Sulentic et al. 2018 HERO ID: 5043505 OQD: 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 OQD: 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: 0.25 μg/L; 50th: 0.77 μg/L; 75th: 2.50 μg/L;	NR

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Table 4 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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 = 0.008; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	1650 ng/L	1650 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	655 ng/L	<LOQ	NR	NR
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 = 0.004; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	1296 ng/L	1296 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 = 0.004; Sampling Period: Nov., 2015 - Jul., 2016)	LOD: Not Reported LOQ: 500.0 ng/L	NR	<LOQ	<LOQ	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 OQD: High	Massachusetts, US Scenario: Indoor dust from residential and office areas - DIBP (n = 6; DF = 1.00; Sampling Period: 2001)	LOD: Not Reported LOQ: 0.114 µg	1.05 µg/g	2.05 µg/g	1.32 µg/g (AM)	NR	0.355 µg/g (ASD)
Bergh et al. 2011 HERO ID: 788335 OQD: Medium	Stockholm, SE Scenario: Indoor dust in 10 homes (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	18 µg/g	6.0 µg/g (AM)	50th: 4 µg/g;	NR
Bergh et al. 2011 HERO ID: 788335 OQD: Medium	Stockholm, SE Scenario: Indoor dust in 10 day cares (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	32 µg/g	9.1 µg/g (AM)	50th: 3 µg/g;	NR
Bergh et al. 2011 HERO ID: 788335 OQD: Medium	Stockholm, SE Scenario: Indoor dust in 10 workplaces (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	106 µg/g	43 µg/g (AM)	50th: 37 µg/g;	NR
Kubwabo et al. 2013 HERO ID: 1588869 OQD: High	Not reported, CA Scenario: Household vacuum dust from Canadian homes (n = 126; DF = 0.98; Sampling Period: Winter, 2013)	LOD: 0.51 µg/g LOQ: 1.7 µg/g	<LOD	69 µg/g	NR	50th: 5.17 µg/g;	NR
Dodson et al. 2015 HERO ID: 2816371 OQD: Medium	Richmond and Bolinas, California, US Scenario: Indoor dust from nonsmoking homes (n = 49; DF = 1; Sampling Period: 2006)	LOD: 0.2 µg/g LOQ: Not Reported	1.1 µg/g	320 µg/g	NR	50th: 4.4 µg/g; 95th: 12 µg/g;	NR
Subedi et al. 2017 HERO ID: 3860935 OQD: High	Silver Spring, MD, US Scenario: Childcare facilities dust Silver Spring, MD -DIBP (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): [15.3 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 OQD: High	Waco, TX, US Scenario: Childcare facilities dust Waco, Texas -DIBP (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): [28.4 µg/g; 19.5 µg/g; 7.44 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 OQD: High	Murray, KY, US Scenario: Childcare facilities dust Murray, Kentucky -DIBP (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): [10.2 µg/g; 8.28 µg/g; 5.96 µg/g; 25.2 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 OQD: High	West Lafayette, IN, US Scenario: Childcare facilities dust West Lafayette, Indiana -DIBP (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): [4.56 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 OQD: High	Hubbard, OH, US Scenario: Childcare facilities dust Hubbard, Ohio -DIBP (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): [33.8 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 OQD: High	Brookings, SD, US Scenario: Childcare facilities dust Brookings, South Dakota -DIBP (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): [138 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	El Cerrito, CA, US Scenario: Childcare facilities dust El Cerrito, California - DIBP (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): [15.9 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Medway, MA, US Scenario: Homes dust Medway, Massachusetts -DIBP (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): [1.24 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Silver Spring, MD, US Scenario: Homes dust Silver Spring, Maryland -DIBP (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): [0.32 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Murray, KY, US Scenario: Homes dust Murray, Kentucky -DIBP (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): [0.92 µg/g; 2.02 µg/g; 4.08 µg/g; 3.36 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Waco, TX, US Scenario: Homes dust Waco, Texas -DIBP (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): [4.60 µg/g; 4.89 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	San Diego, CA, US Scenario: Homes dust San Diego, California -DIBP (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): [20.5 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	El Cerrito, CA, US Scenario: Homes dust El Cerrito, California -DIBP (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): [13.2 µg/g; 13.5 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Murray, KY, US Scenario: Salons dust Murray, Kentucky -DIBP (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): [5.63 µg/g; 3.83 µg/g; 5.74 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Lafayette, IN, US Scenario: Salons dust Lafayette, Indiana -DIBP (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): [26.2 µg/g]				
Subedi et al. 2017 HERO ID: 3860935 <i>OQD:</i> High	Waco, TX, US Scenario: Salons dust Waco, Texas -DIBP (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): [25.6 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	777 ng/g	28936 ng/g	NR	50th: 7955 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	2388 ng/g	21388 ng/g	NR	50th: 7241 ng/g;	NR

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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: 2010)	LOD: Not Reported LOQ: Not Reported	2123 ng/g	21568 ng/g	NR	50th: 4944 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	5002 ng/g	39709 ng/g	NR	50th: 14013 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	2904 ng/g	37293 ng/g	NR	50th: 13726 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: 77 ng/g LOQ: Not Reported	ND	NR	NR	50th: 4367 ng/g; 95th: 33898 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: 0.04 µg/g LOQ: Not Reported	ND	63.90 µg/g	NR	50th: 2.30 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 = 0.28; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	59.87 µg/g	NR	50th: ND;	NR
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 = 0.72; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	210.5 µg/g	NR	50th: 3.60 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 = 0.62; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	82.30 µg/g	NR	50th: 1.70 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 = 0.67; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	82.30 µg/g	NR	50th: 1.70 µg/g;	NR
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: 0.08 mg/kg LOQ: Not Reported	0.5 mg/kg	21.8 mg/kg	NR	50th: 2.4 mg/kg;	NR

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kanazawa et al. 2010 HERO ID: 697390 <i>OQD:</i> Medium	Sapporo, JP Scenario: Dust from floor of residential detached homes (n = 41; DF = 1.0; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 0.08 mg/kg LOQ: Not Reported	0.6 mg/kg	31.1 mg/kg	NR	50th: 2.9 mg/kg;	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: 2 mg/kg LOQ: Not Reported	7.0 mg/kg	335.0 mg/kg	39.0 mg/kg (AM)	50th: 20.0 mg/kg; 95th: 174.0 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	24.0 µg/g	6.3 µg/g (AM)	50th: 4.6 µg/g;	5.2 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: 12600.0 ng/g ; Sample 2: 9340.0 ng/g ; Sample 3: 25300.0 ng/g ; Sample 4: 17000.0 ng/g ; Sample 5: 19800.0 ng/g ; Sample 6: 574000.0 ng/g ; Sample 7: 121000.0 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 = 1.0; Sampling Period: Sept., 2006 - Dec., 2006)	LOD: 0.08 µg/g LOQ: Not Reported	0.21 µg/g	262.0 µg/g	NR	25th: 1.2 µg/g; 50th: 2.4 µg/g; 75th: 5.5 µg/g;	NR
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: 0.08 µg/g LOQ: Not Reported	<LOD	1360.0 µg/g	NR	25th: 1.0 µg/g; 50th: 1.9 µg/g; 75th: 3.5 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	53.0 µg/g	NR	50th: 6.1 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	5.4 mg/kg	14.0 mg/kg	9.7 mg/kg (AM)	50th: 9.6 mg/kg;	3.2 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	3.3 mg/kg	43.0 mg/kg	16.0 mg/kg (AM)	50th: 12.0 mg/kg;	14.0 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	0.8 mg/kg	2.0 mg/kg	1.6 mg/kg (AM)	50th: 1.6 mg/kg;	0.66 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	12.0 mg/kg	22.0 mg/kg	17.0 mg/kg (AM)	50th: 17.0 mg/kg;	4.4 mg/kg (ASD)

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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	13.0 mg/kg	89.0 mg/kg	51.0 mg/kg (AM)	50th: 51.0 mg/kg;	38.0 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	6.4 mg/kg	55.0 mg/kg	19.0 mg/kg (AM)	50th: 14.0 mg/kg;	17.0 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	4.7 mg/kg	13.0 mg/kg	10.0 mg/kg (AM)	50th: 12.0 mg/kg;	3.8 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	5.4 mg/kg	37.0 mg/kg	17.0 mg/kg (AM)	50th: 13.0 mg/kg;	13.0 mg/kg (ASD)
Kishi et al. 2018 HERO ID: 4728476 <i>OQD:</i> High	Sapporo, JP Scenario: Dust from multiple surfaces in homes (n = 128; DF = 1.0; Sampling Period: Oct., 2009 - Nov., 2010)	LOD: 0.5 µg/m ³ LOQ: Not Reported	NR	26.6 µg/m ³	NR	25th: 1.8 µg/m ³ ; 50th: 2.5 µg/m ³ ; 75th: 3.6 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 = 0.93; Sampling Period: Oct., 2009 - Nov., 2010)	LOD: 0.5 µg/m ³ LOQ: Not Reported	NR	97.4 µg/m ³	NR	25th: 1.5 µg/m ³ ; 50th: 3.1 µg/m ³ ; 75th: 6.1 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 = 0.79; Sampling Period: Mar., 2013)	LOD: Not Reported LOQ: 0.31 µg/g	0.67 µg/g	158.8 µg/g	NR	25th: 2.08 µg/g; 50th: 4.5 µg/g; 75th: 8.3 µg/g;	NR
Kweon et al. 2018 HERO ID: 5043550 <i>OQD:</i> High	Seoul; Kyung-gi Province, KR Scenario: Dust from residential homes (n = 42; DF = 0.81; Sampling Period: 2017)	LOD: 0.4 µg/g LOQ: Not Reported	<LOD	21.1 µg/g	4.9 µg/g (AM)	50th: 2.9 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: 0.01 µg/g LOQ: Not Reported	NR	NR	NR	50th: 4.2 µg/g; 95th: 30.5 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: 0.1 pg LOQ: Not Reported	2.7 µg/g	1080.0 µg/g	NR	25th: 51.0 µg/g; 50th: 104.0 µg/g; 75th: 230.0 µg/g;	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	856.0 ng/g	NR	NR	25th: 2267.0 ng/g; 50th: 3465.0 ng/g; 75th: 6416.0 ng/g; 95th: 25917.0 ng/g;	1.18 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: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	7.8 ng/L (AM)	NR	0.6 ng/L (ASD)
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; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.003 µg/L LOQ: 0.009 µg/L	<LOD	<LOD	- µg/L (AM)	50th: <LOD;	<LOD
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 = 0.05; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.003 µg/L LOQ: 0.009 µg/L	<LOD	0.43 µg/L	- µg/L (AM)	50th: <LOD;	0.42 µg/L (ASD)

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Latini et al. 2009 HERO ID: 673525 [‡] <i>OQD:</i> High <i>MiBP</i>	Brindisi and Tricase areas of Southern Italy, IT Scenario: Breastmilk of 62 healthy Italian mothers - MiBP (n = 62; DF = 1; Sampling Period: Mar., 2006 - Sept., 2006)	LOD: 1.0 mg/L LOQ: Not Reported	NR	57.2 μg/L	NR	L95thCI (AM): 15.6 μg/L; 50th: 18.8 μg/L; 95th: 36.9 μg/L; U95thCI (AM): 21.3 μg/L;	NR
Sathyanarayana et al. 2008 HERO ID: 676348 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Los Angeles, California (Harbor-UCLA and Cedars-Sinai), Minneapolis, Minnesota (University of Minnesota Health Center), and Columbia, Missouri (University Physicians), US Scenario: Unadjusted urine samples from infants with mea- sured exposure to baby care products - MiBP (n = 163; DF = 0.85; Sampling Period: Sept., 1999 - Aug., 2002)	LOD: 0.95 - 1.07 μg/L LOQ: Not Reported	NR	<LOD	<LOD	25th: <LOD; 50th: <LOD; 75th: <LOD;	<LOD
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Central Taiwan, TW Scenario: Urine of pregnant women in Central Taiwan - unad- justed, MiBP (n = 100; DF = 1; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: Not Reported LOQ: Not Reported	1.02 μg/L	269 μg/L	12.49 μg/L (GM)	50th: 10.32 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Central Taiwan, TW Scenario: Urine of children (5-6y) from Central Taiwan - unadjusted, MiBP (n = 59; DF = 1; Sampling Period: 2006 - 2007)	LOD: Not Reported LOQ: Not Reported	4.16 μg/L	165 μg/L	25.24 μg/L (GM)	50th: 28.54 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Central Taiwan, TW Scenario: Urine of children (2-3y) from Central Taiwan - unadjusted, MiBP (n = 30; DF = 1; Sampling Period: 2003 - 2004)	LOD: Not Reported LOQ: Not Reported	3.31 μg/L	252.69 μg/L	17.21 μg/L (GM)	50th: 15.32 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Central Taiwan, TW Scenario: Breastmilk of pregnant women from Central Tai- wan - MiBP (n = 30; DF = 0.33; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: 0.50 μg/L LOQ: Not Reported	<LOD	39.70 μg/L	1.1 μg/L (GM)	50th: 0.50 μg/L;	NR
Lin et al. 2011 HERO ID: 699479 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Central Taiwan, TW Scenario: Cord blood of pregnant women from Central Tai- wan - MiBP (n = 30; DF = 1; Sampling Period: Dec., 2001 - Nov., 2002)	LOD: Not Reported LOQ: Not Reported	1.29 μg/L	6.68 μg/L	1.10 μg/L (GM)	50th: 3.44 μg/L;	NR
Fromme et al. 2011 HERO ID: 787934 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Bavaria, Southern Germany, DE Scenario: Breastmilk from 78 healthy Bavarian mothers - MiBP (n = 74; DF = 1; Sampling Period: 2007 - 2008)	LOD: Not Reported LOQ: Not Reported	4.4 μg/L	43.8 μg/L	13.8 μg/L (AM)	50th: 11.8 μg/L; 90th: 24.8 μg/L; 95th: 27.9 μg/L;	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
Schlumpf et al. 2010 HERO ID: 1249442 ‡ <i>OQD:</i> Medium <i>MiBP</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	2.60 ng/mL	66.20 ng/mL	26.61 ng/mL (AM)	50th: 24.25 ng/mL; 95th: 55.28 ng/mL;	18.03 ng/mL (ASD)
Schlumpf et al. 2010 HERO ID: 1249442 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Basel, Switzerland, CH Scenario: Breast milk from mothers in summer to late fall (sunscreen and cosmetic usage reported) - MiBP (n = 20; DF = 1; Sampling Period: Aug., 2004 - Nov., 2006)	LOD: 0.5-1.0 µg/L LOQ: Not Reported	2.60 ng/g	66.20 ng/g	26.61 ng/g (AM)	50th: 24.25 ng/g; 95th: 55.28 ng/g;	18.03 ng/g (ASD)
Serrano et al. 2014 HERO ID: 2345950 ‡ <i>OQD:</i> High <i>DiBP</i>	Seattle, WA; Atlanta, GA, US Scenario: MiBP in pregnant women within TIDES cohort (n = 656; DF = 0.97; Sampling Period: 2010 - 2012)	LOD: 0.2 ng/mL LOQ: Not Reported	4.76 ng/mL	5.42 ng/mL	5.08 ng/mL (GM)	NR	NR
Watkins et al. 2014 HERO ID: 2347098 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Cincinnati, OH, US Scenario: Unadjusted urinary measures from 4yo children - MiBP (n = 172; DF = 0.997; Sampling Period: Mar., 2003 - Jan., 2006)	LOD: 0.2 µg/L LOQ: Not Reported	NR	NR	NR	25th: 5.3 µg/L; 50th: 11.0 µg/L; 75th: 22.3 µg/L;	NR
Watkins et al. 2014 HERO ID: 2347098 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Cincinnati, OH, US Scenario: Unadjusted urinary measures from 5yo children - MiBP (n = 203; DF = 0.997; Sampling Period: Mar., 2003 - Jan., 2006)	LOD: 0.2 µg/L LOQ: Not Reported	NR	NR	NR	25th: 5.6 µg/L; 50th: 9.5 µg/L; 75th: 17.7 µg/L;	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with fibroids - MiBP (n = 99; DF = 0.96; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: 0.2 ng/mL	NR	NR	7.2 µg/g (GM)	L95thCI (AM): 6.1 µg/g; U95thCI (AM): 8.5 µg/g;	NR
Pollack et al. 2014 HERO ID: 2718036 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Salt Lake City, UT; San Francisco, CA, US Scenario: Urine samples from women with no fibroids - MiBP (n = 374; DF = 0.96; Sampling Period: 2007 - 2009)	LOD: Not Reported LOQ: 0.2 ng/mL	NR	NR	7.0 µg/g (GM)	L95thCI (AM): 6.4 µg/g; U95thCI (AM): 7.6 µg/g;	NR
Vagi et al. 2014 HERO ID: 2718073 ‡ <i>OQD:</i> High <i>miBP</i>	Los Angeles, CA, US Scenario: Urinary concentrations of PCOS case-patients - miBP (n = 52; DF = >0.5; Sampling Period: Mar., 2007 - May, 2008)	LOD: 0.3 µg/L LOQ: Not Reported	NR	NR	7.0 µg/g (GM)	NR	NR
Vagi et al. 2014 HERO ID: 2718073 ‡ <i>OQD:</i> High <i>miBP</i>	Los Angeles, CA, US Scenario: Urinary concentrations of PCOS control-patients - miBP (n = 50; DF = >0.5; Sampling Period: Mar., 2007 - May, 2008)	LOD: 0.3 µg/L LOQ: Not Reported	NR	NR	8.2 µg/g (GM)	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
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Ottawa, Canada, CA Scenario: Urine T1a (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.25 µg/L LOQ: Not Reported	NR	256.54 µg/L	7.04 µg/L (GM)	5th: 1.49 µg/L; 25th: 3.58 µg/L; 50th: 6.98 µg/L; 75th: 12.87 µg/L; 95th: 30.68 µg/L;	NR
Fisher et al. 2015 HERO ID: 2718085 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Ottawa, Canada, CA Scenario: Urine T1b (n = 80; DF = 1; Sampling Period: Nov., 2009 - Dec., 2011)	LOD: 0.25 µg/L LOQ: Not Reported	NR	253.35 µg/L	6.71 µg/L (GM)	5th: 1.94 µg/L; 25th: 4.10 µg/L; 50th: 6.46 µg/L; 75th: 10.33 µg/L; 95th: 28.60 µg/L;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of mothers with boy infant - MiBP (n = 213; DF = 0.97; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	3.30 ng/mL (GM)	2.5th: 2.51 ng/mL; 97.5th: 4.34 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of mothers with girl infant - MiBP (n = 213; DF = 0.97; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	3.33 ng/mL (GM)	2.5th: 2.63 ng/mL; 97.5th: 4.21 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of fathers with boy infant - MiBP (n = 212; DF = 0.98; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	3.71 ng/mL (GM)	2.5th: 2.95 ng/mL; 97.5th: 4.66 ng/mL;	NR
Bae et al. 2015 HERO ID: 2816865 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Michigan; Texas, US Scenario: Urinary concentrations of fathers with girl infant - MiBP (n = 212; DF = 0.98; Sampling Period: 2005 - 2009)	LOD: 0.2 - 1.0 ng/mL LOQ: Not Reported	NR	NR	4.12 ng/mL (GM)	2.5th: 3.24 ng/mL; 97.5th: 5.24 ng/mL;	NR
Huen et al. 2016 HERO ID: 3230402 [‡] <i>OQD:</i> High <i>MiBP</i>	Salinas Valley, California, US Scenario: Urinary measures of mothers at 13 weeks gestation - MiBP (n = 350; DF = 0.935; Sampling Period: 1999 - 2000)	LOD: 0.2 µg/L LOQ: Not Reported	0 µg/g	82.6 µg/g	NR	25th: 1.1 µg/g; 50th: 2.4 µg/g; 75th: 4.4 µg/g;	NR
Huen et al. 2016 HERO ID: 3230402 [‡] <i>OQD:</i> High <i>MiBP</i>	Salinas Valley, California, US Scenario: Urinary measures of mothers at 26 weeks gestation - MiBP (n = 339; DF = 0.935; Sampling Period: 1999 - 2000)	LOD: 0.2 µg/L LOQ: Not Reported	0 µg/g	254 µg/g	NR	25th: 1.5 µg/g; 50th: 2.8 µg/g; 75th: 5.2 µg/g;	NR
Ferguson et al. 2016 HERO ID: 3350218 [‡] <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 10 weeks gestation - MiBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 4.50 µg/L; 50th: 7.14 µg/L; 75th: 11.1 µg/L;	NR
Ferguson et al. 2016 HERO ID: 3350218 [‡] <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 18 weeks gestation - MiBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 4.61 µg/L; 50th: 7.10 µg/L; 75th: 11.1 µg/L;	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
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 26 weeks gestation - MiBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 4.75 µg/L; 50th: 7.13 µg/L; 75th: 11.0 µg/L;	NR
Ferguson et al. 2016 HERO ID: 3350218 ‡ <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine from pregnant women in Boston, 35 weeks gestation - MiBP (n = 1924; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 5.03 µg/L; 50th: 7.66 µg/L; 75th: 10.9 µg/L;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MHiBP</i>	Colorado, US Scenario: Creatinine adjusted urine measures from Colorado women <24 weeks gestation - MHiBP (n = 446; DF = 0.96; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	3.4 ng/mL (GM)	5th: 0.9 ng/mL; 95th: 10.7 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Colorado, US Scenario: Creatinine adjusted urine measures from Colorado women <24 weeks gestation - MiBP (n = 446; DF = 0.99; Sampling Period: 2009 - 2014)	LOD: 0.2 ng/mL LOQ: Not Reported	NR	NR	7.1 µg/g (GM)	5th: 1.8 ng/mL; 95th: 25.5 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MHiBP</i>	Colorado, US Scenario: Unadjusted urine measures from Colorado women <24 weeks gestation - MHiBP (n = 446; DF = 0.96; Sampling Period: 2009 - 2014)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	3.0 ng/mL (GM)	5th: 0.4 ng/mL; 95th: 18.5 ng/mL;	NR
Polinski et al. 2018 HERO ID: 4728411 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Colorado, US Scenario: Unadjusted urine measures from Colorado women <24 weeks gestation - MiBP (n = 446; DF = 0.99; Sampling Period: 2009 - 2014)	LOD: 0.2 ng/mL LOQ: Not Reported	NR	NR	6.4 ng/mL (GM)	5th: 0.8 ng/mL; 95th: 40.1 ng/mL;	NR
Kim et al. 2018 HERO ID: 4728479 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Seoul, Anyang, Ansan, and Jeju, KR Scenario: Breastmilk from participants of the CHECK cohort (n = 73; DF = 0.9; Sampling Period: 2011 - 2012)	LOD: 0.2 µg/L LOQ: Not Reported	NR	NR	NR	25th: 0.3 µg/L; 50th: 0.6 µg/L; 75th: 1.4 µg/L;	NR
Huffman et al. 2018 HERO ID: 4728509 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Springfield, MA, US Scenario: Urinary metabolite measures in men undergoing fertility treatment - MiBP (n = 99; DF = 0.718; Sampling Period: 2014 - 2017)	LOD: 0.1 - 0.9 ng/mL LOQ: Not Reported	NR	NR	8.42 ng/mL (GM)	L95thCI (AM): 7.11 ng/mL; 25th: 4.67 ng/mL; 50th: 8.51 ng/mL; 75th: 12.4 ng/mL; 95th: 39.0 ng/mL; U95thCI (AM): 9.97 ng/mL;	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
Huffman et al. 2018 HERO ID: 4728509 [‡] <i>OQD:</i> Medium <i>MHiBP</i>	Springfield, MA, US Scenario: Urinary metabolite measures in men undergoing fertility treatment - MHiBP (n = 99; DF = 0.903; Sampling Period: 2014 - 2017)	LOD: 0.1 - 0.9 ng/mL LOQ: Not Reported	NR	NR	1.87 ng/mL (GM)	L95thCI (AM): 1.57 ng/mL; 25th: 1.05 ng/mL; 50th: 1.86 ng/mL; 75th: 2.87 ng/mL; 95th: 9.47 ng/mL; U95thCI (AM): 2.23 ng/mL;	NR
Hartle et al. 2018 HERO ID: 4728555 [‡] <i>OQD:</i> High <i>miBP</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	0.10 ng/g	132.70 ng/g	23.88 ng/g (AM)	10th: 1.55 ng/g; 25th: 1.94 ng/g; 50th: 10.01 ng/g; 75th: 40.58 ng/g; 90th: 50.10 ng/g;	32.11 ng/g (ASD)
Bedrosian et al. 2018 HERO ID: 4728685 [‡] <i>OQD:</i> Medium <i>MIBP</i>	Boston, MA, US Scenario: Pregnant Women Urine Samples from Boston - MIBP (n = 134; DF = 1; Sampling Period: 2006 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	158 ng/mL	5.60 ng/mL (GM)	25th: 2.31 ng/mL; 50th: 6.62 ng/mL; 75th: 12.3 ng/mL; 95th: 29.8 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MiBP</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 - MiBP (n = 209; DF = 0.99; Sampling Period: 1999 - 2006)	LOD: 0.3 ng/mL LOQ: Not Reported	<LOD	118 ng/mL	7.5 ng/mL (GM)	25th: 4.1 ng/mL; 50th: 7.6 ng/mL; 75th: 16.4 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MiBP</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 - MiBP (n = 166; DF = 0.99; Sampling Period: 2002 - 2008)	LOD: 0.3 ng/mL LOQ: Not Reported	<LOD	260 ng/mL	12.1 ng/mL (GM)	25th: 5.09 ng/mL; 50th: 14.55 ng/mL; 75th: 30.80 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MiBP</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 - MiBP (n = 199; DF = 1; Sampling Period: 2004 - 2009)	LOD: 0.3 ng/mL LOQ: Not Reported	0.80 ng/mL	1770 ng/mL	17.8 ng/mL (GM)	25th: 7.5 ng/mL; 50th: 18.8 ng/mL; 75th: 41 ng/mL;	NR
Balalian et al. 2019 HERO ID: 5039985 [‡] <i>OQD:</i> Medium <i>MiBP</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 - MiBP (n = 156; DF = 1; Sampling Period: 2005 - 2009)	LOD: 0.3 ng/mL LOQ: Not Reported	NR	NR	20.5 ng/mL (GM)	25th: 9.8 ng/mL; 50th: 22.4 ng/mL; 75th: 37.9 ng/mL;	NR
Shaffer et al. 2019 HERO ID: 5043458 [‡] <i>OQD:</i> Medium <i>MIBP</i>	CA; MN; NY; WA, US Scenario: Urine from first trimester pregnancy, <13 weeks - MIBP (n = 668; DF = 0.99; Sampling Period: 2010 - 2012)	LOD: 0.2-2.0 ng/mL LOQ: Not Reported	NR	NR	5.2 µg/L (GM)	NR	2.4 µg/L (GSD)

Continued on next page ...

Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Shaffer et al. 2019 HERO ID: 5043458 [‡] <i>OQD:</i> Medium <i>MIBP</i>	CA; MN; NY; WA, US Scenario: Urine from third trimester pregnancy - MIBP (n = 679; DF = 0.95; Sampling Period: 2010 - 2012)	LOD: 0.2-2.0 ng/mL LOQ: Not Reported	NR	NR	7.2 μg/L (GM)	NR	2.6 μg/L (GSD)
Shin et al. 2019 HERO ID: 5043463 [‡] <i>OQD:</i> Medium <i>MiBP</i>	State of California, US Scenario: Urine from pregnant women who previously delivered a child with ASD in California - MiBP (n = 178; DF = 0.98; Sampling Period: Jan., 2007 - Feb., 2014)	LOD: 0.8 μg/L LOQ: Not Reported	NR	99.8 μg/L	7.2 μg/L (GM)	5th: 2.0 μg/L; 25th: 4.7 μg/L; 50th: 7.3 μg/L; 75th: 12.0 μg/L; 95th: 23.9 μg/L;	NR
Shin et al. 2019 HERO ID: 5043463 [‡] <i>OQD:</i> Medium <i>MHiBP</i>	State of California, US Scenario: Urine from pregnant women who previously delivered a child with ASD in California - MHiBP (n = 178; DF = 0.97; Sampling Period: Jan., 2007 - Feb., 2014)	LOD: 0.4 μg/L LOQ: Not Reported	NR	38.8 μg/L	2.6 μg/L (GM)	5th: 0.8 μg/L; 25th: 1.6 μg/L; 50th: 2.6 μg/L; 75th: 4.2 μg/L; 95th: 9.0 μg/L;	NR
van't Erve et al. 2019 HERO ID: 5043603 [‡] <i>OQD:</i> Medium <i>MiBP</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 - MiBP (n = 756; DF = NR; Sampling Period: Jan., 2010 - Dec., 2012)	LOD: 0.8 ng/mL LOQ: Not Reported	NR	NR	7.2 ng/mL (GM)	25th: 4.1 ng/mL; 50th: 6.91 ng/mL; 75th: 11.9 ng/mL; 95th: 34.1 ng/mL;	2.6 ng/mL (GSD)
van't Erve et al. 2019 HERO ID: 5043603 [‡] <i>OQD:</i> Medium <i>MHiBP</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 - MHiBP (n = 592; DF = 0.99; Sampling Period: Jan., 2010 - Dec., 2012)	LOD: 0.4 ng/mL LOQ: Not Reported	NR	NR	3.1 ng/mL (GM)	25th: 1.9 ng/mL; 50th: 2.91 ng/mL; 75th: 4.73 ng/mL; 95th: 13 ng/mL;	2.4 ng/mL (GSD)
Hammel et al. 2019 HERO ID: 5532853 [‡] <i>OQD:</i> High <i>MiBP</i>	Durham, North Carolina, US Scenario: Urine from 3-6 year old children - MiBP (n = 180; DF = 1; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 0.80 ng/mL LOQ: Not Reported	1.8 ng/mL	NR	NR	50th: 19 ng/mL; 95th: 77 ng/mL;	NR
Hammel et al. 2019 HERO ID: 5532853 [‡] <i>OQD:</i> High <i>MHiBP</i>	Durham, North Carolina, US Scenario: Urine from 3-6 year old children - MHiBP (n = 180; DF = 1; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 0.40 ng/mL LOQ: Not Reported	0.90 ng/mL	NR	NR	50th: 7.1 ng/mL; 95th: 25 ng/mL;	NR
Hammel et al. 2019 HERO ID: 5532853 <i>OQD:</i> High	Durham, North Carolina, US Scenario: Hand wipe from 3-6 year old children (n = 202; DF = 0.91; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 7.2 ng/sample LOQ: Not Reported	NR	NR	NR	50th: 21 ng/sample; 95th: 123 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: 0.04 μg/L LOQ: Not Reported	NR	NR	31.34 μg/L (AM)	5th: 6.49 μg/L; 25th: 11.08 μg/L; 50th: 16.69 μg/L; 75th: 26.92 μg/L; 95th: 114.14 μg/L;	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
Buckley et al. 2012 HERO ID: 5772514 [‡] <i>OQD:</i> Medium <i>MIBP</i>	Multiple locations, US Scenario: Creatinine adjusted urine from women 22-24 weeks pregnant - MiBP (n = 50; DF = 0.54; Sampling Period: Jun., 2002 - Sept., 2003)	LOD: 1.04 ng/mL LOQ: Not Reported	<LOD	19.4 µg/g	2.9 µg/g (AM)	50th: 1.6 µg/g;	4.1 µg/g (ASD)
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MiBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 1st trimester - MiBP (n = 754; DF = 0.969; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 2.90 µg/L; 50th: 5.11 µg/L; 75th: 9.01 µg/L;	NR
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MiBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 2nd trimester - MiBP (n = 169; DF = 0.982; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 3.14 µg/L; 50th: 5.40 µg/L; 75th: 9.71 µg/L;	NR
Ferguson et al. 2019 HERO ID: 6813951 [‡] <i>OQD:</i> High <i>MiBP</i>	San Francisco, CA; Rochester, NY; Minneapolis, MN; Seattle, WA, US Scenario: Urine from pregnant women in their 3rd trimester - MiBP (n = 738; DF = 0.963; Sampling Period: Aug., 2010 - Aug., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	25th: 4.14 µg/L; 50th: 7.14 µg/L; 75th: 12.4 µg/L;	NR
Kim et al. 2020 HERO ID: 6815879 [‡] <i>OQD:</i> High <i>MiBP</i>	Seoul metropolitan; Chungcheong, Honam; Yeongnam region, KR Scenario: Breastmilk samples from primipara mothers receiving lactation coaching - MiBP (n = 153; DF = 0.69; Sampling Period: Jul., 2018 - Sept., 2018)	LOD: 0.19 µg/L LOQ: Not Reported	NR	NR	0.47 µg/L (GM)	5th: <LOD; 25th: <LOD; 50th: 0.49 µg/L; 75th: 0.93 µg/L; 95th: 7.44 µg/L;	3.19 µg/L (GSD)
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MiBP</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	2050 µg/L	94.3 µg/L (GM)	50th: 88.1 µg/L; 90th: 223 µg/L; 95th: 308 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MiBP</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	1070 µg/L	97.2 µg/L (GM)	50th: 97.8 µg/L; 90th: 221 µg/L; 95th: 317 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 [‡] <i>OQD:</i> High <i>MiBP</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	535 µg/L	95.7 µg/L (GM)	50th: 90.2 µg/L; 90th: 201 µg/L; 95th: 276 µg/L;	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
Becker et al. 2009 HERO ID: 551773 ‡ <i>OQD:</i> High <i>MiBP</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	572 µg/L	92.7 µg/L (GM)	50th: 91.2 µg/L; 90th: 227 µg/L; 95th: 305 µg/L;	NR
Becker et al. 2009 HERO ID: 551773 ‡ <i>OQD:</i> High <i>MiBP</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	2050 µg/L	92.2 µg/L (GM)	50th: 80.9 µg/L; 90th: 256 µg/L; 95th: 351 µg/L;	NR
Hogberg et al. 2008 HERO ID: 673465 ‡ <i>OQD:</i> High <i>miBP</i>	Lund, SE Scenario: Breast milk samples when babies were 14-20 days of age (n = 42; DF = 0.05; Sampling Period: 2007)	LOD: 1.0 ng/mL LOQ: Not Reported	<LOD	2.1 ng/mL	NR	75th: <LOD;	NR
Hogberg et al. 2008 HERO ID: 673465 ‡ <i>OQD:</i> High <i>miBP</i>	Lund, SE Scenario: Urine samples from mothers 1 week after milk sampling (n = 38; DF = 0.89; Sampling Period: 2007)	LOD: 1.0 ng/mL LOQ: Not Reported	1.1 µg/g	110 µg/g	21 µg/g (AM)	50th: 15 µg/g; 75th: 23 µg/g;	21 µg/g (ASD)
Lomenick et al. 2010 HERO ID: 673478 ‡ <i>OQD:</i> Medium <i>MIBP</i>	US Scenario: Urine from subjects with CPP (n = 28; DF = NR; Sampling Period: 2005 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	15.4 ng/mL (AM)	NR	2.9 ng/mL (SE)
Lomenick et al. 2010 HERO ID: 673478 ‡ <i>OQD:</i> Medium <i>MIBP</i>	US Scenario: Urine from subjects without CPP (n = 28; DF = NR; Sampling Period: 2005 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	22.6 ng/mL (AM)	NR	7.6 ng/mL (SE)
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MiBP</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	15.7 µg/L	163.8 µg/L	53.2 µg/L (AM)	10th: 21.1 µg/L; 50th: 36.1 µg/L; 90th: 104.4 µg/L; 95th: 109.1 µg/L;	NR
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MiBP</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	23.1 µg/L	119.7 µg/L	56.0 µg/L (AM)	10th: 28.9 µg/L; 50th: 47.3 µg/L; 90th: 104.5 µg/L; 95th: 107.2 µg/L;	NR
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MiBP</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	17.0 µg/g	93.1 µg/g	51.9 µg/g (AM)	10th: 20.8 µg/g; 50th: 45.2 µg/g; 90th: 88.5 µg/g; 95th: 89.6 µg/g;	NR
Fromme et al. 2007 HERO ID: 679517 ‡ <i>OQD:</i> Medium <i>MiBP</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	21.0 µg/g	113.3 µg/g	47.7 µg/g (AM)	10th: 25.0 µg/g; 50th: 49.7 µg/g; 90th: 75.1 µg/g; 95th: 77.7 µg/g;	NR

Continued on next page ...

Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Peck et al. 2010 HERO ID: 697726 ‡ <i>OQD:</i> High <i>MiBP</i>	Green Bay, Wisconsin, US Scenario: Urinary concentrations from Hmong couples in Green Bay, Wisconsin (n = 45; DF = 1; Sampling Period: Sept., 1999 - Nov., 2005)	LOD: 0.26 µg/L LOQ: Not Reported	2.2 µg/g	20.1 µg/g	7.5 µg/g (GM)	25th: 5.5 µg/g; 50th: 7.9 µg/g; 75th: 11.3 µg/g; 95th: 18.1 µg/g;	1.7 µg/g (ASD)
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	16.6 ng/mL (AM); 16.6 ng/mL (GM)	10th: ND; 50th: 15.2 ng/mL; 90th: 34.0 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	92.7 ng/mL (AM); 47.6 ng/mL (GM)	10th: 7.7 ng/mL; 50th: 52.2 ng/mL; 90th: 192 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	8.7 ng/mL (AM); 5.5 ng/mL (GM)	10th: 1.0 ng/mL; 50th: 5.9 ng/mL; 90th: 23.7 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	6.2 ng/mL (AM); 4.6 ng/mL (GM)	10th: 0.8 ng/mL; 50th: 5.1 ng/mL; 90th: 12.9 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	48.2 ng/mL (AM); 35.5 ng/mL (GM)	10th: 12.1 ng/mL; 50th: 31.2 ng/mL; 90th: 112 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	30.1 ng/mL (AM); 18.9 ng/mL (GM)	10th: 2.4 ng/mL; 50th: 19.1 ng/mL; 90th: 64.7 ng/mL;	NR
Guo et al. 2011 HERO ID: 787935 ‡ <i>OQD:</i> High <i>MiBP</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	17.7 ng/mL (AM); 12.2 ng/mL (GM)	10th: 5.7 ng/mL; 50th: 10.3 ng/mL; 90th: 33.5 ng/mL;	NR
Yolton et al. 2011 HERO ID: 788169 ‡ <i>OQD:</i> Medium <i>MiBP</i>	Ohio, US Scenario: Urine from pregnant women at 16 weeks gestation (n = 346; DF = 0.960; Sampling Period: Mar., 2003 - Feb., 2006)	LOD: 0.3-1.2 ng/mL LOQ: Not Reported	95% CI, lower bound: 4.0 ng/mL ; 95% CI, upper bound: 5.2 ng/mL				

Continued on next page ...

Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Yolton et al. 2011 HERO ID: 788169 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Ohio, US Scenario: Urine from pregnant women at 26 weeks gestation (n = 332; DF = 0.941; Sampling Period: Mar., 2003 - Feb., 2006)	LOD: 0.3-1.2 ng/mL LOQ: Not Reported	95% CI, lower bound: 3.1 ng/mL ; 95% CI, upper bound: 4.2 ng/mL				
Teitelbaum et al. 2012 HERO ID: 1249979 [‡] <i>OQD:</i> Medium <i>MiBP</i>	New York City, New York, US Scenario: Urine samples from girls within Growing Up Healthy cohort (n = 299; DF = 0.99, 0.001, 0; Sampling Period: 2004 - 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	50th: 16.8 Other;	NR
Koch et al. 2013 HERO ID: 1464613 [‡] <i>OQD:</i> High <i>DiBP/2OH-MiBP, DiBP/MiBP, DnBP/MnBP, DnBP/3OH-MnBP</i>	Bochum, DE Scenario: 0-<24 hr urine samples from 5 adults (n = 5; DF = 1; Sampling Period: Nov., 2009)	LOD: 0.13 µg/L LOQ: 0.25 µg/L	NR	NR	1.5 µg/g (AM)	50th: 1.1 µg/g; 95th: 4.0 µg/g;	1.2 µg/g (ASD)
Koch et al. 2013 HERO ID: 1464613 [‡] <i>OQD:</i> High <i>DiBP/2OH-MiBP, DiBP/MiBP, DnBP/MnBP, DnBP/3OH-MnBP</i>	Bochum, DE Scenario: 24-<48 hr urine samples from 5 adults (n = 5; DF = 1; Sampling Period: Nov., 2009)	LOD: 0.13 µg/L LOQ: 0.25 µg/L	NR	NR	1.3 µg/g (AM)	50th: 0.8 µg/g; 95th: 3.4 µg/g;	1.3 µg/g (ASD)
Frederiksen et al. 2013 HERO ID: 1588874 [‡] <i>OQD:</i> Medium <i>MiBP</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: 1.10 ng/mL LOQ: Not Reported	3.7 ng/mL	321 ng/mL	48 ng/mL (GM)	5th: 13 ng/mL; 25th: 22 ng/mL; 50th: 36 ng/mL; 75th: 59 ng/mL; 95th: 139 ng/mL;	NR
Frederiksen et al. 2013 HERO ID: 1588874 [‡] <i>OQD:</i> Medium <i>MiBP</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: 1.10 ng/mL LOQ: Not Reported	8.7 ng/mL	598 ng/mL	74 ng/mL (GM)	5th: 17 ng/mL; 25th: 35 ng/mL; 50th: 54 ng/mL; 75th: 90 ng/mL; 95th: 193 ng/mL;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MiBP, 2OH-MiBP</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	0.9 µg/L	22.6 µg/L	NR	50th: 5.4 µg/L;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MiBP, 2OH-MiBP</i>	Jena, DE Scenario: Urine from pregnant women (n = 47; DF = 1; Sampling Period: 2008)	LOD: Not Reported LOQ: 1.0 µg/L	1.4 µg/L	158.2 µg/L	NR	50th: 14.7 µg/L;	NR
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MiBP, 2OH-MiBP</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	0.6 µg/L	2.5 µg/L	NR	50th: 1 µg/L;	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
Enke et al. 2013 HERO ID: 1588876 [‡] <i>OQD:</i> Medium <i>MiBP,2OH-MiBP</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	6.7 µg/L	NR	50th: 1.7 µg/L;	NR
Kim et al. 2014 HERO ID: 2215380 [‡] <i>OQD:</i> High <i>MiBP</i>	Seoul, KR Scenario: Urine from South Korean Girls (n = 17; DF = 1; Sampling Period: Jul., 2011)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	25th: 30.5 µg/g; 50th: 57.6 µg/g; 75th: 70.3 µg/g;	NR
Kim et al. 2014 HERO ID: 2215380 [‡] <i>OQD:</i> High <i>MiBP</i>	Seoul, KR Scenario: Urine from South Korean Boys (n = 22; DF = 1; Sampling Period: Jul., 2011)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	25th: 36.4 µg/g; 50th: 51.9 µg/g; 75th: 71.8 µg/g;	NR
Cantonwine et al. 2014 HERO ID: 2215404 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Northern Puerto Rico, PR Scenario: Urinary phthalates from pregnant women in Puerto Rico (n = 373; DF = 1; Sampling Period: 2010 - Nov., 2012)	LOD: Not Reported LOQ: Not Reported	95% Confidence Interval, Lower Limit: 9.8 ng/mL ; 95% Confidence Interval, Upper Limit: 12.1 ng/mL				
Fromme et al. 2013 HERO ID: 2215411 [‡] <i>OQD:</i> Medium <i>MiBP</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: n.s. µg/L				
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MiBP</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	7.28 µg/L (GM)	NR	2.25 µg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MiBP</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	7.17 µg/L (GM)	NR	2.33 µg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MiBP</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	7.30 µg/L (GM)	NR	2.35 µg/L (GSD)
Ferguson et al. 2014 HERO ID: 2345949 [‡] <i>OQD:</i> Medium <i>MiBP</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	9.04 µg/L (GM)	NR	2.21 µg/L (GSD)
Dewalque et al. 2015 HERO ID: 3045602 [‡] <i>OQD:</i> Medium <i>MiBP</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	1.8 µg/g	496.5 µg/g	10.0 µg/g (GM)	50th: 8.7 µg/g; 95th: 47.0 µg/g;	NR

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Asimakopoulos et al. 2016 HERO ID: 3070934 [‡] <i>OQD:</i> High <i>mIBP,mBP</i>	Jeddah, SA Scenario: Urine from healthy general population in Jeddah, Saudi Arabia (n = 130; DF = 1; Sampling Period: May, 2014 - Jun., 2014)	LOD: 0.21 ng/mL LOQ: 0.7 ng/mL	NR	NR	66.4 ng/mL (AM)	NR	NR
Giovanoulis et al. 2016 HERO ID: 3455194 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Oslo, NO Scenario: Urine samples from exposure to PSE's and DINCH (n = 61; DF = 0.98; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 2.4 µg/L	NR	NR	13.0 µg/g (GM)	25th: 7.7 µg/g; 50th: 22.3 µg/g; 95th: 189.3 µg/g;	NR
Giovanoulis et al. 2016 HERO ID: 3455194 [‡] <i>OQD:</i> Medium <i>MiBP</i>	Oslo, NO Scenario: Nail samples from exposure to PSE's and DINCH (n = 59; DF = 0.93; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 8.6 ng/g	NR	NR	19.9 ng/g (GM)	25th: 16.9 ng/g; 50th: 17.9 ng/g; 95th: 69.8 ng/g;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine samples of women undergoing fertility treatment - MiBP (n = 840; DF = 0.96; Sampling Period: 2004 - 2017)	LOD: 0.20–0.80 µg/L LOQ: Not Reported	NR	NR	4.48 µg/L (GM)	25th: 1.60 µg/L; 75th: 12.6 µg/L;	NR
Nassan et al. 2019 HERO ID: 5041439 [‡] <i>OQD:</i> High <i>MiBP</i>	Boston, MA, US Scenario: Urine samples of men undergoing fertility treatment - MiBP (n = 840; DF = 0.96; Sampling Period: 2004 - 2017)	LOD: 0.20–0.80 µg/L LOQ: Not Reported	NR	NR	6.75 µg/L (GM)	25th: 3.20 µg/L; 75th: 15.2 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 - DIBP (n = 6; DF = 0.83; Sampling Period: 2001)	LOD: 0.0045 μg LOQ: Not Reported	0.011 $\mu\text{g}/\text{m}^3$	0.108 $\mu\text{g}/\text{m}^3$	0.049 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR
Rudel et al. 2001 HERO ID: 198234 <i>OQD:</i> High	Massachusetts, US Scenario: Indoor air from workplace areas - DIBP (n = 1; DF = 0; Sampling Period: 2001)	LOD: 0.0045 μg LOQ: Not Reported	NR	NR	ND	NR	NR
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	140 ng/m^3	560 ng/m^3	296 ng/m^3 (AM)	50th: 270 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	46 ng/m^3	810 ng/m^3	239 ng/m^3 (AM)	50th: 190 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	110 ng/m^3	950 ng/m^3	310 ng/m^3 (AM)	50th: 230 ng/m^3 ;	NR
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	0.01 $\mu\text{g}/\text{m}^3$	3.03 $\mu\text{g}/\text{m}^3$	NR	50th: 0.04 $\mu\text{g}/\text{m}^3$;	NR
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DiBP concentration in reception hall - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m^3 LOQ: 200.0 ng/m^3	POINT VALUE(S): [240 ng/m^3 ; 180 ng/m^3]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DiBP concentration in a patient room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m^3 LOQ: 200.0 ng/m^3	POINT VALUE(S): [130 ng/m^3 ; 80 ng/m^3]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DiBP concentration in a nursing care room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m^3 LOQ: 200.0 ng/m^3	POINT VALUE(S): [80 ng/m^3 ; 150 ng/m^3]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DiBP concentration in a post-anesthesia care unit - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m^3 LOQ: 200.0 ng/m^3	POINT VALUE(S): [60 ng/m^3 ; 10 ng/m^3]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Brittany, western France, FR Scenario: DiBP concentration in a plaster cast room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m^3 LOQ: 200.0 ng/m^3	POINT VALUE(S): [140 ng/m^3 ; 130 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: DiBP concentration in reception hall - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [430 ng/m ³ ; 600 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DiBP concentration in a patient room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [500 ng/m ³ ; 650 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DiBP concentration in a nursing care room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [1070 ng/m ³ ; 1240 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DiBP concentration in a post-anesthesia care unit - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [50 ng/m ³ ; 80 ng/m ³]				
Baurès et al. 2018 HERO ID: 4729972 <i>OQD:</i> High	Lorraine, eastern France, FR Scenario: DiBP concentration in a plaster cast room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 40.0 ng/m ³ LOQ: 200.0 ng/m ³	POINT VALUE(S): [1170 ng/m ³ ; 1070 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: 0.79 ng/m ³ LOQ: Not Reported	13.2 ng/m ³	321 ng/m ³	NR	50th: 75 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: 58 ng/m ³ LOQ: Not Reported	ND	11000 ng/m ³	430 ng/m ³ (AM)	50th: 230 ng/m ³ ;	NR
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 ng/m ³ LOQ: 10 ng/m ³	95 ng/m ³	2613 ng/m ³	516 ng/m ³ (AM)	50th: 468 ng/m ³ ; 95th: 916 ng/m ³ ;	NR
Takeuchi et al. 2014 HERO ID: 2519043 <i>OQD:</i> Medium	Sapporo, Hokkaido, JP Scenario: Indoor air from bedrooms and living rooms of 6 homes (n = 12; DF = 1; Sampling Period: Jul., 2012 - Aug., 2012)	LOD: Not Reported LOQ: 0.004 µg/m ³	0.023 µg/m ³	0.22 µg/m ³	0.14 µg/m ³ (AM)	10th: 0.0593 µg/m ³ ; 25th: 0.086 µg/m ³ ; 50th: 0.155 µg/m ³ ; 75th: 0.1925 µg/m ³ ; 90th: 0.2 µg/m ³ ;	0.07 µg/m ³ (ASD)
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	1.47 ng/m ³	178 ng/m ³	55.3 ng/m ³ (AM)	50th: 33.9 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 (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	1.50 ng/m ³	80.0 ng/m ³	22.4 ng/m ³ (AM)	50th: 19.6 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	1.29 ng/m ³	192 ng/m ³	44.3 ng/m ³ (AM)	50th: 7.30 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	1.64 ng/m ³	20.7 ng/m ³	10.6 ng/m ³ (AM)	50th: 9.82 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	1.48 ng/m ³	17.1 ng/m ³	4.65 ng/m ³ (AM)	50th: 2.43 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	0.85 ng/m ³	12.2 ng/m ³	4.76 ng/m ³ (AM)	50th: 2.62 ng/m ³ ;	NR
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	3.64 ng/m ³	69.5 ng/m ³	25.2 ng/m ³ (AM)	50th: 24.1 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	8.32 ng/m ³	67.7 ng/m ³	30.4 ng/m ³ (AM)	50th: 28.4 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	12.5 ng/m ³	579 ng/m ³	234 ng/m ³ (AM)	50th: 225 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	37.3 ng/m ³	802 ng/m ³	303 ng/m ³ (AM)	50th: 151 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	4.71 ng/m ³	45.0 ng/m ³	23.2 ng/m ³ (AM)	50th: 24.2 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	1.07 ng/m ³	104 ng/m ³	19.1 ng/m ³ (AM)	50th: 5.68 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; Sampling Period: Oct., 2013 - Jan., 2014)	LOD: Not Reported LOQ: 0.01 µg/m ³	NR	0.46 µg/m ³	NR	50th: 0.15 µg/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
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: 352 ng/m ³ ; 50th: >800 ng/m ³ ; 95th: >800 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: 41000 ng/g; 50th: >52600 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 = 71; DF = 1; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 333 ng/m ²	NR	NR	NR	5th: 11000 ng/m ² ; 50th: >33300 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: 115 pg/m ³ LOQ: 383 pg/m ³	NR	NR	181.5 ng/m ³ (AM)	NR	22.5 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (gaseous) from an apartment (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 115 pg/m ³ LOQ: 383 pg/m ³	NR	NR	231.0 ng/m ³ (AM)	NR	44.7 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (particulate) from an office (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 119 pg/m ³ LOQ: 395 pg/m ³	NR	NR	19.28 ng/m ³ (AM)	NR	11.42 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (particulate) from an apartment (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 119 pg/m ³ LOQ: 395 pg/m ³	NR	NR	8.003 ng/m ³ (AM)	NR	6.414 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (gaseous) from an office (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 115 pg/m ³ LOQ: 383 pg/m ³	NR	NR	417.7 ng/m ³ (AM)	NR	102.3 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (particulate) from a house (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 119 pg/m ³ LOQ: 395 pg/m ³	NR	NR	13.16 ng/m ³ (AM)	NR	8.38 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (gaseous) from a house (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 115 pg/m ³ LOQ: 383 pg/m ³	NR	NR	364.7 ng/m ³ (AM)	NR	114.6 ng/m ³ (ASD)
Laborie et al. 2016 HERO ID: 3230514 <i>OQD:</i> Medium	near Paris, FR Scenario: Indoor air (particulate) from a day nursery (n = 3; DF = 1; Sampling Period: Summer, 2013)	LOD: 119 pg/m ³ LOQ: 395 pg/m ³	NR	NR	17.49 ng/m ³ (AM)	NR	5.19 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Office air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 5.7-82.8 pg/m ³	NR	NR	248 ng/m ³ (AM)	NR	103 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: Office air during heating season (n = 6; DF = NR; Sampling Period: Jan., 2012 - Mar., 2012)	LOD: Not Reported LOQ: 5.7-82.8 pg/m ³	NR	NR	152 ng/m ³ (AM)	NR	24 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Apartment air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 5.7-82.8 pg/m ³	NR	NR	454 ng/m ³ (AM)	NR	202 ng/m ³ (ASD)
Moreau-Guigon et al. 2016 HERO ID: 3470397 <i>OQD:</i> Medium	Paris, FR Scenario: Nursery air during non-heating season (n = 6; DF = NR; Sampling Period: Sept., 2011 - Nov., 2011)	LOD: Not Reported LOQ: 5.7-82.8 pg/m ³	NR	NR	116 ng/m ³ (AM)	NR	32 ng/m ³ (ASD)
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: 5.7-82.8 pg/m ³	NR	NR	251 ng/m ³ (AM)	NR	24 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 polyurethane foam sampling (n = 51; DF = 1; Sampling Period: Feb., 2015 - Aug., 2015)	LOD: 3 NR LOQ: 10 NR or NA	71 ng/m ³	690 ng/m ³	230 ng/m ³ (AM)	50th: 200 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 NR LOQ: 10 NR or NA	26 ng/m ³	1700 ng/m ³	250 ng/m ³ (AM)	50th: 180 ng/m ³ ;	280 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 NR LOQ: 10 NR or NA	NR	NR	40 ng/m ³ (AM)	NR	8 % (CV)
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	58 ng/m ³	10991 ng/m ³	NR	25th: 166 ng/m ³ ; 50th: 266 ng/m ³ ; 75th: 411 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
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 = 0.27; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.007 µg/L LOQ: 0.02 µg/L	<LOD	7.39 µg/L	3.43 µg/L (AM)	50th: <LOD;	0.05 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 = 0.71; Sampling Period: Aug., 2012 - May, 2014)	LOD: 0.007 µg/L LOQ: 0.02 µg/L	<LOD	4.33 µg/L	1.54 µg/L (AM)	50th: 0.45 µg/L;	0.22 µg/L (ASD)
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 = 8; DF = 0.38; Sampling Period: 2012)	LOD: 2.0 ng/mL LOQ: Not Reported	7.48 µg/g	221.0 µg/g	58.4 µg/g (AM)	50th: 35.3 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 = 18; DF = 0.86; Sampling Period: 2012)	LOD: 2.0 ng/mL LOQ: Not Reported	0.4 µg/g	2.45 µg/g	0.97 µg/g (AM)	50th: 0.76 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	0.03 $\mu\text{g}/\text{m}^3$	1.3 $\mu\text{g}/\text{m}^3$	0.42 $\mu\text{g}/\text{m}^3$ (GM)	50th: 0.37 $\mu\text{g}/\text{m}^3$;	0.27 $\mu\text{g}/\text{m}^3$ (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	0.31 $\mu\text{g}/\text{m}^3$	8.1 $\mu\text{g}/\text{m}^3$	1.0 $\mu\text{g}/\text{m}^3$ (GM)	50th: 0.81 $\mu\text{g}/\text{m}^3$;	1.4 $\mu\text{g}/\text{m}^3$ (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: 0.07 pg/m^3 LOQ: 0.24 pg/m^3	153.0 ng/m^3	323.0 ng/m^3	225.6 ng/m^3 (AM)	50th: 208.0 ng/m^3 ;	62.22 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: 0.07 pg/m^3 LOQ: 0.24 pg/m^3	227.0 ng/m^3	460.0 ng/m^3	370.0 ng/m^3 (AM)	50th: 423.0 ng/m^3 ;	125.22 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: Not Reported LOQ: Not Reported	NR	NR	3.61 ppb (AM)	NR	3.69 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: Not Reported LOQ: Not Reported	NR	NR	6.80 ppb (AM)	NR	0.23 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: Not Reported LOQ: Not Reported	NR	NR	2.86 ppb (AM)	NR	4.96 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: Not Reported LOQ: Not Reported	NR	NR	2.77 ppb (AM)	NR	1.02 ppb (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Frye Farm Morgan Creek sediment (n = 2; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	<LOD	NR	NR
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 7) (n = 2; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.8 ng/g (AM)	NR	NR
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River sediment (Site 5) (n = 4; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.9 ng/g (AM)	NR	.7 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	27.6 ng/g (AM)	NR	13 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	9.2 ng/g (AM)	NR	4.2 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	3.5 ng/g (AM)	NR	1.5 ng/g (ASD)
Peterson et al. 1984 HERO ID: 680376 <i>OQD:</i> Medium	North East Maryland, US Scenario: Chester River mouth sediment (Site R) (n = 4; DF = NR; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.6 ng/g (AM)	NR	0.9 ng/g (ASD)
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	0.561 $\mu\text{g/g}$	12.4 $\mu\text{g/g}$	3.77 $\mu\text{g/g}$ (AM)	50th: 2.29 $\mu\text{g/g}$;	3.44 $\mu\text{g/g}$ (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
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	0.108 μg/g	5.28 μg/g	0.994 μg/g (AM)	50th: 0.811 μg/g;	1.127 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	0.168 μg/g	0.795 μg/g	0.360 μg/g (AM)	50th: 0.329 μg/g;	0.162 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	0.155 μg/g	0.691 μg/g	0.299 μg/g (AM)	50th: 0.217 μg/g;	0.162 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	0.286 μg/g	1.05 μg/g	0.533 μg/g (AM)	50th: 0.459 μg/g;	0.249 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	17.4 μg/L (GM)	NR	8.3 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	14.7 μg/L (GM)	NR	10.0 μg/L (GSD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 1 (Harbor entrance) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	23.7 ng/g (AM)	NR	12.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 2 (Harbor entrance) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	23.7 ng/g (AM)	NR	12.8 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 3 (Harbor entrance) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	32.2 ng/g (AM)	NR	21.3 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 4 (Love River, port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	33.8 ng/g (AM)	NR	22.8 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. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 5 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	34.3 ng/g (AM)	NR	17.0 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 6 (Canon River, port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	41.8 ng/g (AM)	NR	39.8 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 7 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	26.6 ng/g (AM)	NR	13.9 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 8 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	44.5 ng/g (AM)	NR	31.2 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 9 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	32.5 ng/g (AM)	NR	25.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 10 (Jen-Gen River) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	69.5 ng/g (AM)	NR	38.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 11 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	22.3 ng/g (AM)	NR	8.4 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 12 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	32.7 ng/g (AM)	NR	22.1 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 13 (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	23.9 ng/g (AM)	NR	14.8 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. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 14 (port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	26.3 ng/g (AM)	NR	22.3 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 15 (Harbor outlet) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	39.9 ng/g (AM)	NR	23.4 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 16 (port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	46.7 ng/g (AM)	NR	37.6 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 17 (port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	27.2 ng/g (AM)	NR	20.0 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 18 (Salt River, port) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	44.0 ng/g (AM)	NR	26.0 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 19 (Harbor outlet) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	21.9 ng/g (AM)	NR	12.7 ng/g (ASD)
Chen et al. 2016 HERO ID: 3540854 <i>OQD:</i> Medium	Kaohsiung Harbor, TW Scenario: Surface sediment from Kaohsiung Harbor - Site 20 (Harbor outlet) (n = 4; DF = 0.888; Sampling Period: Feb., 2013 - Oct., 2013)	LOD: 7.6 ng/g LOQ: Not Reported	NR	NR	37.1 ng/g (AM)	NR	3.8 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	0.51 mg/kg	4.56 mg/kg	1.99 mg/kg (AM)	50th: 1.68 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	10.2 µg/kg	84.4 µg/kg	41.7 µg/kg (AM)	50th: 38.8 µg/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: 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	1.04 mg/kg	9.21 mg/kg	4.44 mg/kg (AM)	50th: 4.35 mg/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	31.3 µg/kg	116.8 µg/kg	70.3 µg/kg (AM)	50th: 68.9 µg/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	0.420 mg/kg	5.02 mg/kg	2.23 mg/kg (AM)	50th: 2.06 mg/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	16.3 µg/kg	50.6 µg/kg	36.5 µg/kg (AM)	50th: 40.4 µg/kg;	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	0.18 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	0.57 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	1.23 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	1.05 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	0.38 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	0.89 mg/kg (AM)	NR	NR

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	1.07 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	0.58 mg/kg (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 ng/g	NR	NR	1.85 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 = 0.19; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 1.32 µg/kg LOQ: 3.97 µg/kg	ND	43.2 µg/kg	3.0 µg/kg (AM)	NR	NR
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: 0.52 ng/g LOQ: Not Reported	46 ng/g	1300 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: 0.52 ng/g LOQ: Not Reported	190 ng/g	1300 ng/g	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: 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): [2.54 mg/kg; 0.40 mg/kg; 1.15 mg/kg; 0.29 mg/kg; 1.56 mg/kg; 0.69 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): [0.62 mg/kg; 6.43 mg/kg; 0.57 mg/kg; 4.75 mg/kg; 3.29 mg/kg; 3.27 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 Yellow Sea in the Blue Economic Zone (n = 6; DF = 1; Sampling Period: Nov., 2014)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [2.25 mg/kg; 2.24 mg/kg; 0.45 mg/kg; 2.48 mg/kg; 1.95 mg/kg; 3.88 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): [0.36 mg/kg; 0.30 mg/kg; 0.20 mg/kg; 1.76 mg/kg; 0.84 mg/kg; 1.36 mg/kg; 0.67 mg/kg; 2.20 mg/kg; 0.24 mg/kg; 0.35 mg/kg; 0.22 mg/kg; 1.18 mg/kg; 0.29 mg/kg; 0.32 mg/kg; 1.52 mg/kg; 0.26 mg/kg; 0.38 mg/kg; 1.80 mg/kg; 1.27 mg/kg; 1.44 mg/kg]				

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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 = .94; Sampling Period: Mar., 2015)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [6.24 µg/g; 3.08 µg/g; 2.29 µg/g; 3.50 µg/g; 5.28 µg/g; 5.47 µg/g; 6.86 µg/g; 4.06 µg/g; 2.40 µg/g; 4.45 µg/g; 4.00 µg/g; 3.79 µg/g; 1.18 µg/g; 3.22 µg/g; ND µg/g; 6.69 µg/g; 7.98 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: 0.44 ng/g	1633 ng/g	14577 ng/g	4626 ng/g (AM)	50th: 3492 ng/g;	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 6 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	18.4 ng/g (AM)	NR	23.6 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: 1.5 ng/g LOQ: Not Reported	NR	NR	13.5 ng/g (AM)	NR	25.4 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 8 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	18.2 ng/g (AM)	NR	3.8 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: 1.5 ng/g LOQ: Not Reported	NR	NR	32.4 ng/g (AM)	NR	18.6 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 1 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	15.6 ng/g (AM)	NR	7.8 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: 1.5 ng/g LOQ: Not Reported	NR	NR	11.2 ng/g (AM)	NR	3.6 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 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: 1.5 ng/g LOQ: Not Reported	NR	NR	10.9 ng/g (AM)	NR	3.7 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 4 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	25.7 ng/g (AM)	NR	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 5 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	12.3 ng/g (AM)	NR	10.1 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 10 (n = 44; DF = 1; Sampling Period: Mar., 2014 - Oct., 2014)	LOD: 1.5 ng/g LOQ: Not Reported	NR	NR	10.3 ng/g (AM)	NR	2.8 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: 1.5 ng/g LOQ: Not Reported	NR	NR	4.8 ng/g (AM)	NR	2.1 ng/g (ASD)
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): [313 µg/kg; 1188 µg/kg; 1669 µg/kg; 707 µg/kg; 718 µg/kg; 330 µg/kg; 1575 µg/kg; 277 µg/kg; 1159 µg/kg; 1763 µg/kg; 398 µg/kg; 2864 µg/kg; 1185 µg/kg; 865 µg/kg; 692 µg/kg; 595 µg/kg; 600 µg/kg; 973 µg/kg; 697 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 = 0.94; Sampling Period: 2016)	LOD: Not Reported LOQ: 0.015 ng/g	<LOQ	11.2 ng/g	1.36 ng/g (AM)	50th: 0.75 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

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Diisobutyl Phthalate

Monitoring

Sediment

Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Bottom sediment samples (n = 17; DF = 1.0; Sampling Period: 2006)	LOD: 1.1 ng/g LOQ: Not Reported	2.0 ng/g	7.34 ng/g	4.0 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 = 0.47; Sampling Period: 2006)	LOD: 1.1 ng/g LOQ: Not Reported	532.0 ng/g	2650.0 ng/g	1190.0 ng/g (GM)	NR	NR

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	0.031 $\mu\text{g/g}$	0.149 $\mu\text{g/g}$	0.068 $\mu\text{g/g}$ (GM)	50th: 0.045 $\mu\text{g/g}$;	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	0.032 $\mu\text{g/g}$	1.63 $\mu\text{g/g}$	1.63 $\mu\text{g/g}$ (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 - Tianhe (n = 12; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.017 $\mu\text{g/g}$	0.221 $\mu\text{g/g}$	0.071 $\mu\text{g/g}$ (GM)	50th: 0.06 $\mu\text{g/g}$;	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	0.158 $\mu\text{g/g}$	1.14 $\mu\text{g/g}$	0.585 $\mu\text{g/g}$ (GM)	50th: 0.52 $\mu\text{g/g}$;	NR
Zeng et al. 2008 HERO ID: 680472 <i>OQD:</i> Medium	Guangzhou, Guangdong province, CN Scenario: Agricultural soil in peri-urban area - Panyu (n = 10; DF = 1; Sampling Period: Jul., 2006)	LOD: 1 pg LOQ: 9 pg	0.021 $\mu\text{g/g}$	0.107 $\mu\text{g/g}$	0.056 $\mu\text{g/g}$ (GM)	50th: 0.053 $\mu\text{g/g}$;	NR
Liu et al. 2010 HERO ID: 697396 <i>OQD:</i> High	Hubei Province, CN Scenario: Topsoil of JiangHan Plain - Summer (n = 9; DF = 1.0; Sampling Period: Jul., 2007)	LOD: 22-341 ng/L LOQ: Not Reported	14.8 ng/g	122.7 ng/g	64.8 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 = 1.0; Sampling Period: Jan., 2008)	LOD: 22-341 ng/L LOQ: Not Reported	18.1 ng/g	639.1 ng/g	186.3 ng/g (GM)	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	0.015 $\mu\text{g/g}$	0.123 $\mu\text{g/g}$	0.049 $\mu\text{g/g}$ (AM)	50th: 0.040 $\mu\text{g/g}$;	0.008 $\mu\text{g/g}$ (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	0.007 $\mu\text{g/g}$	0.526 $\mu\text{g/g}$	0.104 $\mu\text{g/g}$ (AM)	50th: 0.069 $\mu\text{g/g}$;	0.021 $\mu\text{g/g}$ (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	0.040 $\mu\text{g/g}$	0.514 $\mu\text{g/g}$	0.089 $\mu\text{g/g}$ (AM)	50th: 0.075 $\mu\text{g/g}$;	0.015 $\mu\text{g/g}$ (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	4.93 $\mu\text{g/kg}$	335 $\mu\text{g/kg}$	74.7 $\mu\text{g/kg}$ (AM)	50th: 59.9 $\mu\text{g/kg}$;	63.1 % (CV)
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: 4.69 $\mu\text{g/kg}$ LOQ: Not Reported	0.0022 mg/kg	0.268 mg/kg	0.071 mg/kg (AM)	50th: 0.055 mg/kg;	0.0053 mg/kg (ASD)

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Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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: 4.69 μg/kg LOQ: Not Reported	0.021 mg/kg	0.232 mg/kg	0.076 mg/kg (AM)	50th: 0.136 mg/kg;	0.015 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: 4.69 μg/kg LOQ: Not Reported	0.019 mg/kg	0.197 mg/kg	0.046 mg/kg (AM)	50th: 0.026 mg/kg;	0.0029 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: 1.5 pg/g LOQ: Not Reported	POINT VALUE(S): [17.3 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: 1.5 pg/g LOQ: Not Reported	POINT VALUE(S): [2.6 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: 1.5 pg/g LOQ: Not Reported	NR	NR	21.5 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: 1.5 pg/g LOQ: Not Reported	NR	NR	41.1 μg/kg (AM)	NR	29.0 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: 1.5 pg/g LOQ: Not Reported	NR	NR	21.1 μg/kg (AM)	NR	15.4 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: 1.5 pg/g LOQ: Not Reported	NR	NR	40.8 μg/kg (AM)	NR	47.7 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 (60-80cm depth) (n = 4; DF = NR; Sampling Period: Mar., 2011 - Sept., 2011)	LOD: 1.5 pg/g LOQ: Not Reported	NR	NR	42.9 μg/kg (AM)	NR	18.4 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: 1.5 pg/g LOQ: 26-68 pg/g	Point: 2.6 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: 1.5 pg/g LOQ: 26-68 pg/g	Point: 17.3 ng/g				

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Table 12 – continued from previous page

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	Paris, FR Scenario: Soil from Paris urban area (n = 1; DF = 1; Sampling Period: 2012)	LOD: 1.5 pg/g LOQ: 26-68 pg/g	Point: 21.5 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: 1.5 pg/g LOQ: 26-68 pg/g	Point: 38.9 ng/g				
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 = 1; Sampling Period: Jun., 2014)	LOD: 0.05 - 0.28 ng/g LOQ: Not Reported	0.4 ng/g	474 ng/g	86.0 ng/g (AM)	50th: 71.0 ng/g;	NR
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: 0.07 µg/kg	First percentile (d10): 19 µg/kg				
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: 0.44 ng/g	311 ng/g	1711 ng/g	635 ng/g (AM)	50th: 374 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 = 1; Sampling Period: May, 2012)	LOD: Not Reported LOQ: 0.002-0.024 mg/kg	0.099 mg/kg	8.54 mg/kg	1.118 mg/kg (AM)	NR	1.814 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	940.01 ng/g (AM); 663.32 ng/g (GM)	50th: 590.37 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	550.48 ng/g (AM); 460.32 ng/g (GM)	50th: 404.25 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	443.04 ng/g (AM); 399.77 ng/g (GM)	50th: 389.26 ng/g;	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 - A4 (n = 2; DF = 1; Sampling Period: Jul., 2019)	LOD: 0.41 µg/kg LOQ: 1.34 µg/kg	NR	NR	15 µg/kg (AM)	NR	8 µg/kg (ASD)

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Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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: 0.55 µg/kg LOQ: 1.8 µg/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 - A2, A3, and A5 (n = 6; DF = 0; Sampling Period: Jul., 2019)	LOD: 0.41 µg/kg LOQ: 1.34 µg/kg	NR	NR	<LOQ	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: 0.41 µg/kg LOQ: 1.34 µg/kg	NR	NR	46 µg/kg (AM)	NR	8 µg/kg (ASD)
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: 0.04 µg/g LOQ: Not Reported	ND	45.10 µg/g	NR	50th: 0.03 µg/g;	NR
Huang et al. 2019 HERO ID: 5618703 <i>OQD:</i> High	Kaohsiung, Tainan, Pingdong, TW Scenario: Soil outside elementary school (n = 29; DF = 0.48; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	31.60 µg/g	NR	50th: ND;	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 = 0.29; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	6.7 µg/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 = 0.95; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	ND	18.80 µg/g	NR	50th: 2.3 µg/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 = 1; Sampling Period: May, 2012 - Apr., 2014)	LOD: 0.04 µg/g LOQ: Not Reported	0.42 µg/g	18.80 µg/g	NR	50th: 2.10 µg/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 = 0.333; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	<LOD	29.8 ng/g	8.1 ng/g (AM)	50th: <LOD;	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 = 0.333; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	<LOD	25.9 ng/g	8.6 ng/g (AM)	50th: <LOD;	NR

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Diisobutyl Phthalate

Monitoring

Soil

Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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	15.7 ng/g	25.7 ng/g	20.7 ng/g (AM)	50th: 20.5 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 = 0.429; Sampling Period: Jan., 2020 - Feb., 2020)	LOD: 0.3 ng/g LOQ: Not Reported	<LOD	17.9 ng/g	3.6 ng/g (AM)	50th: <LOD;	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
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: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	1300 ng/L (AM)	NR	22 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Suzhou, Yangtze River Delta, China, CN Scenario: Eastern Taihu Lake source water for Suzhou (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	1400 ng/L (AM)	NR	20 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Wuxi, Yangtze River Delta, China, CN Scenario: Northern Taihu Lake source water for Wuxi (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	420 ng/L (AM)	NR	10 ng/L (ASD)
Shi et al. 2012 HERO ID: 1249969 OQD: High	Yancheng, Yangtze River Delta, China, CN Scenario: Huaihe River source water for Yancheng (n = 3; DF = 1; Sampling Period: Aug., 2010)	LOD: 0.1 ng/L LOQ: 0.3 ng/L	NR	NR	100 ng/L (AM)	NR	5.6 ng/L (ASD)
Valton et al. 2014 HERO ID: 2347469 OQD: Medium	Île-de-France district, FR Scenario: Surface water from rive Orge (n = 1; DF = NR; Sampling Period: Jun., 2014)	LOD: 4 pg LOQ: 46.0 ng/L	NR	NR	743 ng/L (AM)	NR	470 ng/L (ASD)
Li et al. 2017 HERO ID: 3859571 OQD: 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	1.09 µg/L	11.8 µg/L	4.48 µg/L (AM)	50th: 3.57 µg/L;	NR
Li et al. 2017 HERO ID: 3859571 OQD: 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	2.46 µg/L	5.71 µg/L	3.52 µg/L (AM)	50th: 3.27 µg/L;	NR
Li et al. 2017 HERO ID: 3859571 OQD: 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	1.90 µg/L	7.11 µg/L	3.08 µg/L (AM)	50th: 2.95 µg/L;	NR
Cheng et al. 2019 HERO ID: 5043518 OQD: High	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	0.28 µg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 OQD: High	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	0.36 µg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 OQD: High	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	0.37 µg/L (AM)	NR	NR

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Table 13 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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	0.53 μg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 μg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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 μg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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	0.53 μg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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	0.40 μg/L (AM)	NR	NR
Cheng et al. 2019 HERO ID: 5043518 <i>OQD:</i> High	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	1.06 μg/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 = 0.50; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.03 ng/m ³ LOQ: 0.08 ng/m ³	ND	4.50 ng/m ³	1.18 ng/m ³ (AM)	50th: 0.11 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	0.04 ng/m ³	0.22 ng/m ³	0.14 ng/m ³ (AM)	50th: 0.14 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	0.04 ng/m ³	4.63 ng/m ³	1.32 ng/m ³ (AM)	50th: 0.30 ng/m ³ ;	NR
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 = 0.26; Sampling Period: Oct., 2016 - Jul., 2017)	LOD: 0.01 μg/L LOQ: 0.02 μg/L	ND	0.07 μg/L	0.01 μg/L (AM)	NR	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: 0.21 ng/L LOQ: Not Reported	460 ng/L	2100 ng/L	NR	NR	NR

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Table 13 – continued from previous page

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: River water in wet season (n = 12; DF = 1; Sampling Period: Jul., 2009)	LOD: 0.21 ng/L LOQ: Not Reported	2000 ng/L	5400 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): [157 ng/L; 375 ng/L; 369 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): [284 ng/L; 343 ng/L; 362 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): [404 ng/L; 346 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): [261 ng/L; 445 ng/L; 425 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): [732 ng/L; 372 ng/L; 406 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): [654 ng/L; 229 ng/L; 406 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): [95.5 ng/L; 418 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 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): [743 ng/L; 925 ng/L; 1751 ng/L; 166 ng/L; 1151 ng/L; 2424 ng/L; 172 ng/L; 148 ng/L; 108 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 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): [271 ng/L; 171 ng/L; 342 ng/L; 418 ng/L; 118 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): [220 ng/L; 398 ng/L; 767 ng/L; 115 ng/L; 209 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
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
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Seawater samples (n = 12; DF = 0.67; Sampling Period: 2006)	LOD: 6.4-7.9 ng/L LOQ: Not Reported	2.82 ng/L	9.42 ng/L	5.15 ng/L (GM)	NR	NR
Mackintosh et al. 2006 HERO ID: 2158899 <i>OQD:</i> High	Vancouver, CA Scenario: Freely Dissolved Seawater samples (n = 12; DF = 0.67; Sampling Period: 2006)	LOD: 6.4-7.9 ng/L LOQ: Not Reported	2.0 ng/L	6.7 ng/L	3.66 ng/L (GM)	NR	NR
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 = 1.0; Sampling Period: May, 2017 - Apr., 2018)	LOD: Not Reported LOQ: 0.03 ng/L	11.1 ng/L	78.2 ng/L	37.3 ng/L (AM)	50th: 39.7 ng/L;	21.6 ng/L (ASD)

Table 14: Data Extraction Tables of Exposure Monitoring Studies for Wastewater

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Reyes-Contreras et al. 2011 HERO ID: 1249709 <i>OQD:</i> Medium	Galicia, ES Scenario: Wastewater winter (n = 4; DF = 1; Sampling Period: Winter, 2008)	LOD: Not Reported LOQ: Not Reported	0.31 μg/L	0.57 μg/L	0.44 μg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 HERO ID: 1249709 <i>OQD:</i> Medium	Galicia, ES Scenario: Wastewater summer (n = 4; DF = 1; Sampling Period: Summer, 2009)	LOD: Not Reported LOQ: Not Reported	0.22 μg/L	0.86 μg/L	0.51 μg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 HERO ID: 1249709 <i>OQD:</i> Medium	Galicia, ES Scenario: Sludge winter (n = 1; DF = 1; Sampling Period: Winter, 2008)	LOD: 0.025 μg/L LOQ: 0.033 μg/L	POINT VALUE(S): [448 μg/kg]				
Reyes-Contreras et al. 2011 HERO ID: 1249709 <i>OQD:</i> Medium	Galicia, ES Scenario: Sludge summer (n = 1; DF = 1; Sampling Period: Summer, 2009)	LOD: 0.025 μg/L LOQ: 0.033 μg/L	POINT VALUE(S): [975 μg/kg]				
Meng et al. 2014 HERO ID: 2345986 <i>OQD:</i> 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: 8.0 pg/g	0.13 μg/g	1.38 μg/g	0.53 μg/g (AM)	50th: 0.42 μg/g;	NR
Tran et al. 2014 HERO ID: 2519056 <i>OQD:</i> 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	9.6 μg/L (GM)	NR	6.7 μg/L (GSD)
Tran et al. 2014 HERO ID: 2519056 <i>OQD:</i> 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	0.31 μg/L (GM)	NR	0.26 μg/L (GSD)
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: 1.5 pg/g LOQ: Not Reported	NR	NR	0.230 μg/kg (AM)	NR	0.069 μg/kg (ASD)
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [185 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [21 ng/L]				

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Table 14 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [277 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [37 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [252 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [25 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [67 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [20 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [105 ng/L]	
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [14 ng/L]	

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Table 14 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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>MiBP</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): [146 ng/L; 111 ng/L]				
González-Mariño et al. 2017 HERO ID: 3859087 [‡] <i>OQD:</i> High <i>MiBP</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): [174 ng/L; 129 ng/L; 134 ng/L; 144 ng/L; 113 ng/L; 124 ng/L; 150 ng/L]				
Wu et al. 2019 HERO ID: 5442818 <i>OQD:</i> High	Qingdao, China, CN Scenario: Influent wastewater from Chengyang 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 <i>OQD:</i> High	Qingdao, China, CN Scenario: Influent wastewater from Licun 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 <i>OQD:</i> 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 <i>OQD:</i> High	Qingdao, China, CN Scenario: Effluent wastewater from Chengyang 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 <i>OQD:</i> High	Qingdao, China, CN Scenario: Effluent wastewater from Licun 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 <i>OQD:</i> High	Qingdao, China, CN Scenario: Effluent 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

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Table 14 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wu et al. 2019 HERO ID: 5442818 <i>OQD:</i> 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	1.55 ng/mL (AM)	NR	1.02 ng/mL (ASD)
Wu et al. 2019 HERO ID: 5442818 <i>OQD:</i> 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	0.32 ng/mL (AM)	NR	2.51 ng/mL (ASD)
Wu et al. 2019 HERO ID: 5442818 <i>OQD:</i> High	Qingdao, China, CN Scenario: Sludge from Haibo River WWTP in a coastal city of China (n = 9; DF = 0; Sampling Period: Apr., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	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 = 0.81; Sampling Period: May, 2010 - May, 2012)	LOD: 0.0009 µg/L LOQ: 0.0031 µg/L	<LOD	93.1 µg/L	10.5 µg/L (AM)	50th: 2.65 µg/L;	9.66 µg/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 = 0.69; Sampling Period: May, 2010 - May, 2012)	LOD: 0.001 µg/L LOQ: 0.004 µg/L	<LOD	76.2 µg/L	9.07 µg/L (AM)	50th: 1.30 µg/L;	15.2 µg/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: 0.767 ng/g LOQ: Not Reported	140 ng/g	1500 ng/g	520 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: 0.767 ng/g LOQ: Not Reported	230 ng/g	2300 ng/g	760 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: 0.767 ng/g LOQ: Not Reported	74 ng/g	7500 ng/g	770 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: 0.006 mg/kg LOQ: Not Reported	POINT VALUE(S): [0.019 mg/kg; 0.009 mg/kg; 0.009 mg/kg; 0.020 mg/kg; 0.024 mg/kg; 0.010 mg/kg; 0.026 mg/kg]				
Wang et al. 2022 HERO ID: 11784627 <i>OQD:</i> Medium	Western region, TW Scenario: Sludge from 3 water treatment plants (WTP) receiving surface water (n = 3; DF = 1; Sampling Period: 2022)	LOD: 1.42 µg/kg LOQ: Not Reported	POINT VALUE(S): [8.79 µg/kg; 3.89 µg/kg; 3.52 µg/kg]				

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Table 14 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wang et al. 2022 HERO ID: 11784627 <i>OQD:</i> Medium	Western region, TW Scenario: Sludge from 8 sewage treatment plants (STP) receiving domestic wastewater (n = 8; DF = 0.875; Sampling Period: 2022)	LOD: 1.42 μg/kg LOQ: Not Reported	POINT VALUE(S): [24.7 μg/kg; <LOD; 7.14 μg/kg; 31.9 μg/kg; 29.5 μg/kg; 19.1 μg/kg; 14.8 μg/kg; 23.7 μg/kg]				
Wang et al. 2022 HERO ID: 11784627 <i>OQD:</i> 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: 1.42 μg/kg LOQ: Not Reported	POINT VALUE(S): [265 μg/kg; 7.01 μg/kg; 8.76 μg/kg; 34.2 μg/kg; 26.5 μg/kg; 25.5 μg/kg]				

‡ Data extraction results are for metabolite concentrations.

Table 15: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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): [26 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 = 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 HIPS Red filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported				POINT VALUE(S): [41 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 = NR)	LOD: Not Reported LOQ: Not Reported				POINT VALUE(S): [8 ng/m ³]	
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): [26 ng/m ³]	

Table 16: 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: 40.5 ng/kg/day; 95th: 107 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: 3.01 ng/kg/day; 95th: 7.70 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: 162 ng/kg/day; 95th: 428 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: 7.53 ng/kg/day; 95th: 19.3 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	13.7 ng/kg bw/day (AM)	50th: 8.94 ng/kg bw/day; 95th: 52.9 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	22.8 ng/kg bw/day (AM)	50th: 14.9 ng/kg bw/day; 95th: 88.1 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): [311 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): [421 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): [1686 ng/kg bw/day]				

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Diisobutyl Phthalate

Modeling

Dust (Indoor)

Table 16 – 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): [10273 ng/kg bw/day]				

Table 17: Data Extraction Tables of Exposure Modeling Studies for Indoor Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Shin et al. 2014 HERO ID: 2215665 OQD: Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs in a whole house from indoor surfaces	-1.972 log10 mg/day	1.292 log10 mg/day	NR	25th: -0.730 log10 mg/day; 50th: -0.336 log10 mg/day; 75th: 0.088 log10 mg/day;	NR
Luongo et al. 2016 HERO ID: 5469670 OQD: Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during average air intake using median concentrations	POINT VALUE(S): [42 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 OQD: Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [303 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 OQD: Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during average air intake using median concentrations	POINT VALUE(S): [173 ng/kg bw/day]				
Luongo et al. 2016 HERO ID: 5469670 OQD: Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [1251 ng/kg bw/day]				

Table 18: 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 personal care products	NR	NR	0.211 log10 mg/day (AM)	NR	NR

Glossary of Select Terms for Data Extraction Tables

Table 19: Glossary of Select Terms for Data Extraction

Term	Definition
ADD	Average daily dose
ADC	Average daily concentration
BBP	Butyl benzyl phthalate
BLS	Bureau of Labor Statistics
CASRN	Chemical Abstracts Service Registry Number
CBI	Confidential business information
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
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
GS	Generic scenario
K_{OC}	Soil organic carbon: water partitioning coefficient
K_{OW}	Octanol: water partition coefficient
HEC	Human equivalent concentration
HED	Human equivalent dose
IADD	Intermediate average daily dose
IR	Ingestion rate
LCD	Life cycle diagram
LOD	Limit of detection
LOAEL	Lowest-observed-adverse-effect level
Log K_{OC}	Logarithmic organic carbon: water partition coefficient
Log K_{OW}	Logarithmic octanol: water partition coefficient
MOA	Mode of action
MOE	Margin of exposure
NAICS	North American Industry Classification System
NEI	National Emissions Inventory
NHANES	National Health and Nutrition Examination Survey
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

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Glossary of Select Terms for Data Extraction Tables

Table 19 ...continued from previous page

Term	Definition
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
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
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
SUSB	Statistics of U.S. Businesses (U.S. Census)
TRI	Toxic Release Inventory
TRV	Toxicity reference value
TSCA	Toxic Substances Control Act
TSD	Technical support document
TWA	Time-weighted average
UF	Uncertainty factor
U.S.	United States
WWTP	Wastewater treatment plant
7Q10	The lowest 7-day average flow that occurs (on average) once every 10 years
30Q5	The lowest 30-day average flow that occurs (on average) once every 5 years