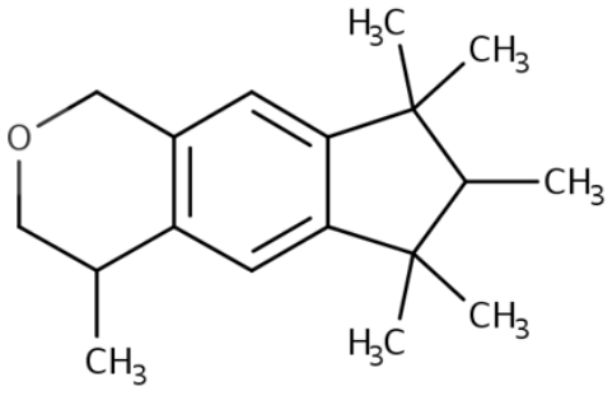
United States
Environmental Protection Agency

March 2026
Office of Chemical Safety and
Pollution Prevention

Draft Data Extraction Information for General Population, Consumer, and Environmental Exposure for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexaethylcyclopenta[γ]-2-benzopyran (HHCB)

Systematic Review Support Document for the Draft Risk Evaluation

CASRN: 1222-05-5



March 2026

This supplemental file contains information regarding the data extraction results for data sources that met the PECO (Population, Exposure, Comparator or Scenario, and Outcomes) screening criteria for the *Draft Human Exposure Assessment for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[g]-2-benzopyran (HHCB)*, and the *Draft Environmental Exposure Assessment for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)*, EPA performs data extraction as part of the TSCA systematic review process described in the *Draft Systematic Review Protocol Supporting TSCA Risk Evaluations for Chemical Substances*. (referred to hereafter as the "2021 Draft Systematic Review Protocol"). *Draft Systematic Review Protocol for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)*.

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, "â€œPOINT 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 *Draft Systematic Review Protocol for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)*.

Acronyms and abbreviations used within this supplemental file are defined in the table at the end of this file. The two letter country codes defined herein are consistent with those used in the searchable International Standardization Organization (ISO) 3166 standard for country codes. Finally, "NR" preceding a country code indicates that the author(s) did not report the city, state and region. This supplemental file may also be referred to as D4 Data Extraction Information for the *Draft Data Extraction Information for General Population, Consumer, and Environmental Exposure for 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)*.

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Table 1: Data Extraction Tables of Exposure Monitoring Studies for Aquatic Species

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bargar et al. 2013 ***HERO ID:*** *5427811* *OQD:* Medium	Virgin Islands National Park (VIIS), VI Scenario: Damselfish collected from four coral reefs in the Virgin Islands (n = 10; DF = 0; Sampling Period: 2013)	LOD: 1.0 ng/g LOQ: Not Reported	NR	NR	ND	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (summer) (n = 20; DF = 0; Sampling Period: Jul., 2016)	LOD: Not Reported LOQ: 22 ng/g	NR	NR	<LOQ	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (fall) (n = 20; DF = NR; Sampling Period: Nov., 2016)	LOD: Not Reported LOQ: 22 ng/g	NR	NR	61 ng/g (AM)	NR	3 ng/g (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (winter) (n = 20; DF = NR; Sampling Period: Jan., 2017)	LOD: Not Reported LOQ: 22 ng/g	NR	NR	58 ng/g (AM)	NR	7 ng/g (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (spring) (n = 20; DF = NR; Sampling Period: May, 2017)	LOD: Not Reported LOQ: 22 ng/g	NR	NR	25 ng/g (AM)	NR	1 ng/g (ASD)
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in marine catfish (n = 11; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.1-22.0 pg/g LOQ: Not Reported	NR	NR	0.191 ng/g (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in bamboo shark (n = 3; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.1-22.0 pg/g LOQ: Not Reported	NR	NR	0.195 ng/g (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in snapper (n = 3; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.1-22.0 pg/g LOQ: Not Reported	NR	NR	0.175 ng/g (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in grunter (n = 5; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.1-22.0 pg/g LOQ: Not Reported	NR	NR	0.083 ng/g (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in pike conger eel (n = 14; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.1-22.0 pg/g LOQ: Not Reported	NR	NR	0.066 ng/g (GM)	NR	NR

Table 2: Data Extraction Tables of Exposure Monitoring Studies for Drinking Water

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Source drinking water (plant intake) samples at United States CWS - June 2004-August 2005 (n = 96; DF = 0.64; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	NR	0.21 µg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Source drinking water (plant intake) samples at United States CWS - Oct 2002-March 2004 (n = 145; DF = 0.53; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	NR	0.26 µg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Finished drinking water (plant finished water) samples at United States CWS - June 2004-August 2005 (n = 96; DF = 0.54; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	NR	0.30 µg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Running Gutter Brook, MA, US Scenario: Source drinking water (plant intake) samples at Running Gutter Brook CWS - Oct 2002-March 2004 (n = 15; DF = 0.27; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	POINT VALUE(S): [<LOD; <LOD; <LOD; <LOD]				
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Cache la Poudre River, CO, US Scenario: Source drinking water (plant intake) samples at Cache la Poudre River CWS - Oct 2002-March 2004 (n = 17; DF = 0.06; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR, US Scenario: Source drinking water (plant intake) samples at Clackamas River CWS - Oct 2002-March 2004 (n = 17; DF = 0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Truckee River, CA, US Scenario: Source drinking water (plant intake) samples at Truckee River CWS - Oct 2002-March 2004 (n = 17; DF = 0.27; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	POINT VALUE(S): [<LOD; <LOD; <LOD; <LOD]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Chattahoochee River, GA, US Scenario: Source drinking water (plant intake) samples at Chattahoochee River CWS - Oct 2002-March 2004 (n = 16; DF = 1.0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	<LOD	<LOD	NR	25th: <LOD; 50th: <LOD; 75th: <LOD;	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Elm Fork Trinity River, TX, US Scenario: Source drinking water (plant intake) samples at Elm Fork Trinity River CWS - Oct 2002-March 2004 (n = 17; DF = 1.0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	<LOD	<LOD	NR	25th: <LOD; 50th: <LOD; 75th: <LOD;	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	White River, IN, US Scenario: Source drinking water (plant intake) samples at White River CWS - Oct 2002-March 2004 (n = 17; DF = 1.0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	<LOD	<LOD	NR	25th: <LOD; 50th: <LOD; 75th: <LOD;	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Neuse River,, US Scenario: Source drinking water (plant intake) samples at Neuse River CWS - Oct 2002-March 2004 (n = 17; DF = 1.0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	<LOD	<LOD	NR	25th: <LOD; 50th: <LOD; 75th: <LOD;	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Potomac River, VA, US Scenario: Source drinking water (plant intake) samples at Potomac River CWS - Oct 2002-March 2004 (n = 12; DF = 1.0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 µg/L LOQ: Not Reported	<LOD	<LOD	NR	25th: <LOD; 50th: <LOD; 75th: <LOD;	NR
Focazio et al. 2008 ***HERO ID:*** *3559503* *OQD:* Medium	26 States and Territories, PR,US Scenario: Source water for drinking water treatment plants in 26 sites (n = 73; DF = 0.162; Sampling Period: Summer, 2001)	LOD: 0.1 µg/L LOQ: 0.5 µg/L	NR	0.97 µg/L	NR	NR	NR

Table 3: Data Extraction Tables of Exposure Monitoring Studies for Dust (Indoor)

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Mercier et al. 2014 ***HERO ID:*** *2298081* *OQD:* High	FR Scenario: Dust samples from French dwellings. (n = 7; DF = 1.0; Sampling Period: 2014)	LOD: 26.3 ng/g LOQ: 65.8 ng/g	Sample 1: 1690.0 ng/g ; Sample 2: 4180.0 ng/g ; Sample 3: 947.0 ng/g ; Sample 4: 712.0 ng/g ; Sample 5: 3770.0 ng/g ; Sample 6: 639.0 ng/g ; Sample 7: 296.0 ng/g				
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, POST-occupancy (n = 27; DF = 1.0; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 0.01 µg/ft2 LOQ: 0.014 µg/ft2	<LOQ	4.9 µg/ft2	1.5 µg/ft2 (GM)	50th: 2.0 µg/ft2; 95th: 4.4 µg/ft2;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, PRE-occupancy (n = 10; DF = 1.0; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 0.01 µg/ft2 LOQ: 0.014 µg/ft2	<LOQ	0.12 µg/ft2	0.054 µg/ft2 (GM)	50th: 0.057 µg/ft2; 95th: 0.11 µg/ft2;	NR
Shin et al. 2019 ***HERO ID:*** *6968217* *OQD:* Medium	Northern California, US Scenario: Living room dust from 38 homes (n = 38; DF = 1.0; Sampling Period: May, 2015 - Aug., 2016)	LOD: 5.0 ng/g LOQ: Not Reported	179.0 ng/g	NR	NR	25th: 592.0 ng/g; 50th: 1294.0 ng/g; 75th: 2302.0 ng/g; 95th: 5521.0 ng/g;	1.09 ng/g (CV)

Table 4: Data Extraction Tables of Exposure Monitoring Studies for Groundwater

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Buszka et al. 2009 ***HERO ID:*** *4912133* *OQD:* Medium	Elkhart, Indiana, US Scenario: Water from 4 wells downgradient from a landfill (n = 2; DF = 0; Sampling Period: Nov., 2000 - Oct., 2002)	LOD: Not Reported LOQ: 0.5 μg/L	NR	NR	<LOQ	NR	NR
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Storage and Recovery Observation Well (ARSO) groundwater - - SPMD (n = 3; DF = 1.0; Sampling Period: Aug., 2011 - Nov., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	350 ng/SPMD (AM)	NR	17 ng/SPMD (ASD)
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Storage and Recovery Observation Well (ARSO) groundwater - PDMS (n = 3; DF = 1.0; Sampling Period: Aug., 2011 - Nov., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	180 ng/PDMS (AM)	NR	19 ng/PDMS (ASD)
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP1) groundwater - SPMD (n = 3; DF = 1.0; Sampling Period: Aug., 2011 - Oct., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	<50 ng/SPMD (AM)	NR	17 ng/SPMD (ASD)
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP1) groundwater - PDMS (n = 3; DF = 0.3; Sampling Period: Aug., 2011 - Oct., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	85 ng/PDMS (AM)	NR	NR
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP3) groundwater - SPMD (n = 3; DF = 0.3; Sampling Period: Aug., 2011 - Oct., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	110 ng/SPMD (AM)	NR	17 ng/SPMD (ASD)
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP3) groundwater - PDMS (n = 3; DF = 1.0; Sampling Period: Aug., 2011 - Oct., 2011)	LOD: Not Reported LOQ: Not Reported	NR	NR	<50 ng/PDMS (AM)	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater around the Storlien infiltration facility (St-GW) (n = 20; DF = 1.0; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22.0 ng/L	NR	820 ng/L	NR	50th: 160 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater downstream of the Ann infiltration facility (A-GW1) (n = 5; DF = 0.2; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22.0 ng/L	NR	<LOQ	NR	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater upstream of the Ann infiltration facility (GWR) (n = 5; DF = 0.4; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22.0 ng/L	NR	<LOQ	NR	NR	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Schlumpf et al. 2010 ***HERO ID:*** *1249442* *OQD:* Medium	Basel, Switzerland, CH Scenario: Breast milk from mothers in summer to late fall (sunscreen and cosmetic usage reported) (n = 54; DF = 0.81; Sampling Period: Aug., 2004 - Nov., 2006)	LOD: 2.5 ng/g LOQ: 5.0 ng/g	6.09 ng/g	309.66 ng/g	55.02 ng/g (AM)	50th: 36.13 ng/g; 95th: 165.57 ng/g;	57.87 ng/g (ASD)

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Brittany, western France, FR Scenario: Galaxolide concentration in reception hall - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [130 ng/m^3; 180 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Brittany, western France, FR Scenario: Galaxolide concentration in a patient room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [40 ng/m^3; 30 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Brittany, western France, FR Scenario: Galaxolide concentration in a nursing care room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [70 ng/m^3; 120 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Brittany, western France, FR Scenario: Galaxolide concentration in a post-anesthesia care unit - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [30 ng/m^3; 50 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Brittany, western France, FR Scenario: Galaxolide concentration in a plaster cast room - University Hospital of Rennes (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [60 ng/m^3; 40 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Lorraine, eastern France, FR Scenario: Galaxolide concentration in reception hall - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [110 ng/m^3; 70 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Lorraine, eastern France, FR Scenario: Galaxolide concentration in a patient room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [60 ng/m^3; 50 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Lorraine, eastern France, FR Scenario: Galaxolide concentration in a nursing care room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [210 ng/m^3; 140 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Lorraine, eastern France, FR Scenario: Galaxolide concentration in a post-anesthesia care unit - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [10 ng/m^3; 20 ng/m^3]				
Baurès et al. 2018 ***HERO ID:*** *4729972* *OQD:* High	Lorraine, eastern France, FR Scenario: Galaxolide concentration in a plaster cast room - University Hospital of Nancy (n = 4; DF = NR; Sampling Period: Jun., 2014 - Feb., 2015)	LOD: 5.0 ng/m^3 LOQ: 13.0 ng/m^3	POINT VALUE(S): [140 ng/m^3; 90 ng/m^3]				

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Table 6 – 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* *OQD:* High	Ille-et-Vilaine, Brittany, FR Scenario: Indoor air from French classrooms (n = 62; DF = 1.0; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 1.0 ng/m^3	NR	NR	NR	5th: 46 ng/m^3; 50th: >50 ng/m^3; 95th: >50 ng/m^3;	NR
Raffy et al. 2016 ***HERO ID:*** *3229681* *OQD:* High	Ille-et-Vilaine, Brittany, FR Scenario: Vacuumed dust from French classrooms (n = 89; DF = 0.98; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 66.0 ng/g	NR	NR	NR	5th: 304 ng/g; 50th: 965 ng/g; 95th: 2191 ng/g;	NR
Raffy et al. 2016 ***HERO ID:*** *3229681* *OQD:* High	Ille-et-Vilaine, Brittany, FR Scenario: Wiped dust from French classrooms (n = 65; DF = 0.97; Sampling Period: Fall, 2009 - Spring, 2010)	LOD: Not Reported LOQ: 40.0 ng/m2	NR	NR	NR	5th: 148 ng/m2; 50th: 335 ng/m2; 95th: 1213 ng/g;	NR
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (gaseous) from a day nursery (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.55 pg/m^3 LOQ: 1.84 pg/m^3	NR	NR	35.41 ng/m^3 (AM)	NR	3.91 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (gaseous) from an apartment (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.55 pg/m^3 LOQ: 1.84 pg/m^3	NR	NR	21.85 ng/m^3 (AM)	NR	8.78 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (particulate) from an office (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.21 pg/m^3 LOQ: 0.71 pg/m^3	NR	NR	0.383 ng/m^3 (AM)	NR	0.013 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (particulate) from an apartment (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.21 pg/m^3 LOQ: 0.71 pg/m^3	NR	NR	0.075 ng/m^3 (AM)	NR	0.039 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (gaseous) from an office (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.55 pg/m^3 LOQ: 1.84 pg/m^3	NR	NR	32.81 ng/m^3 (AM)	NR	15.61 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (particulate) from a house (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.21 pg/m^3 LOQ: 0.71 pg/m^3	NR	NR	0.171 ng/m^3 (AM)	NR	0.091 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (gaseous) from a house (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.55 pg/m^3 LOQ: 1.84 pg/m^3	NR	NR	59.21 ng/m^3 (AM)	NR	14.02 ng/m^3 (ASD)
Laborie et al. 2016 ***HERO ID:*** *3230514* *OQD:* Medium	near Paris, FR Scenario: Indoor air (particulate) from a day nursery (n = 3; DF = 1.0; Sampling Period: Summer, 2013)	LOD: 0.21 pg/m^3 LOQ: 0.71 pg/m^3	NR	NR	0.204 ng/m^3 (AM)	NR	0.017 ng/m^3 (ASD)

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Table 6 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Dodson et al. 2019 ***HERO ID:*** *5432871* *OQD:* High	Greater Boston, MA, US Scenario: Indoor air from a variety of spaces. Active air sampling (n = 37; DF = 1.0; Sampling Period: Oct., 2013 - Jul., 2015)	LOD: Not Reported LOQ: 0.27 ng/m^3	3.5 ng/m^3	430 ng/m^3	NR	50th: 93 ng/m^3; 95th: 2100 ng/m^3;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Indoor air from green, low-income housing, PRE-occupancy (n = 10; DF = 1.0; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 0.35 ng/m^3 LOQ: 50.0 ng/m^3	<LOQ	<LOQ	<LOQ	50th: <LOQ; 95th: <LOQ;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Indoor air from green, low-income housing, POST-occupancy (n = 25; DF = 1.0; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 0.35 ng/m^3 LOQ: 50.0 ng/m^3	<LOQ	390 ng/m^3	130 ng/m^3 (GM)	50th: 160 ng/m^3; 95th: 280 ng/m^3;	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Elliott et al. 2017 ***HERO ID:*** *4181507* *OQD:* High	tributaries of Great Lakes, US Scenario: Sediment of 12 tributaries of the Great Lakes (n = 76; DF = 0.46; Sampling Period: Apr., 2013 - Oct., 2014)	LOD: 33.0 µg/kg LOQ: Not Reported	NR	660 µg/kg	NR	50th: <RL µg/kg;	NR
Stachel et al. 2005 ***HERO ID:*** *5740077* *OQD:* Medium	Riesengebirge, Czech Republic; Cuxhaven, Federal Republic of Germany, CZ,DE Scenario: Upper sediment from 37 Elbe River and tributary sites (n = 37; DF = NR; Sampling Period: Sept., 2002)	LOD: Not Reported LOQ: 1.0 µg/kg	<LOQ	161 µg/kg	NR	50th: 20 µg/kg;	NR
Nilsen et al. 2011 ***HERO ID:*** *5919173* *OQD:* Medium	Longview, WA, US Scenario: Surface sediment from two sites (n = 1; DF = 0; Sampling Period: 2009)	LOD: 12.5 µg/kg LOQ: Not Reported	NR	NR	ND	NR	NR
Nilsen et al. 2011 ***HERO ID:*** *5919173* *OQD:* Medium	Longview, WA, US Scenario: Beneath surface sediment samples (15-30cm) from two sites (n = 1; DF = 0; Sampling Period: 2009)	LOD: 12.5 µg/kg LOQ: Not Reported	NR	NR	ND	NR	NR
Luigi et al. 2015 ***HERO ID:*** *2919854* *OQD:* High	Northern Italy, IT Scenario: Sediments from the River Lambro in Italy. (n = 1; DF = 1.0; Sampling Period: 2014)	LOD: 4 ng/g LOQ: Not Reported	Point Value: 400 ng/g				
Luigi et al. 2015 ***HERO ID:*** *2919854* *OQD:* High	Northern Italy, IT Scenario: Sediments from Site B of the River Po in Italy. (n = 1; DF = 1.0; Sampling Period: 2014)	LOD: 4 ng/g LOQ: Not Reported	Point Value: 61 ng/g				
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: Sediment from a river (n = 4; DF = 0.5; Sampling Period: Sept., 2015)	LOD: 4.1 pg/uL LOQ: 14 pg/uL	<LOD	140 ng/g	40.3 ng/g (AM)	50th: 10.5 ng/g;	67.2 ng/g (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (summer) (n = 3; DF = 0; Sampling Period: Jul., 2016)	LOD: 1.2 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (fall) (n = 3; DF = 0; Sampling Period: Nov., 2016)	LOD: 1.2 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (winter) (n = 3; DF = 0; Sampling Period: Jan., 2017)	LOD: 1.2 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (spring) (n = 3; DF = 0; Sampling Period: May, 2017)	LOD: 1.2 ng/g LOQ: Not Reported	NR	NR	<LOD	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
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in SPOM (n = 16; DF = 0.75; Sampling Period: 2011 - 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.3 ng/g (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in marine sediment (n = 24; DF = 0.92; Sampling Period: 2011 - 2012)	LOD: 0.1-72.7 pg/g LOQ: Not Reported	NR	NR	0.376 ng/g (GM)	NR	NR

Table 8: Data Extraction Tables of Exposure Monitoring Studies for Surface Water

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Elliott et al. 2017 ***HERO ID:*** *4181507* *OQD:* High	tributaries of Great Lakes, US Scenario: Surface water of 12 tributaries of the Great Lakes (n = 291; DF = 0.44; Sampling Period: Apr., 2013 - Oct., 2014)	LOD: 0.04 µg/L LOQ: Not Reported	NR	2.18 µg/L	NR	50th: <RL µg/L;	NR
Bargar et al. 2013 ***HERO ID:*** *5427811* *OQD:* Medium	Virgin Islands National Park (VIIS), VI Scenario: Estimated concentrations from POCIS extracts from four coral reefs in the Virgin Islands (n = 4; DF = 0; Sampling Period: 2013)	LOD: 1.2 ng/L LOQ: Not Reported	POINT VALUE(S): [ND; ND; <LOQ; <LOQ]				
Blum et al. 2018 ***HERO ID:*** *5428638* *OQD:* High	Uppsala municipality, SE Scenario: River/tributary water receiving treated sewage (n = 20; DF = 0.9; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.64 pg/uL LOQ: 2.13 pg/uL	7.4 ng/L	1184 ng/L	NR	25th: 8.9 ng/L; 50th: 13.9 ng/L; 75th: 130 ng/L;	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Eno River (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Little River Reservoir dam (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Lake Michie dam (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Cane Creek Reservoir (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, University Lake dam (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Jordan Lake above US Highway 64 (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Jordan Lake at Bells Landing (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Forgotten Canyon, a side canyon of Lake Powell (n = 15; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Knowles Canyon, a side canyon of Lake Powell (n = 11; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	< 0.5 ug/L (AM)	NR	NR
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Moqui Canyon, a side canyon of Lake Powell (n = 18; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	< 0.5 ug/L (AM)	NR	NR
Bidwell et al. 2010 ***HERO ID:*** *697423* *OQD:* Medium	Osage Mills, AR; Benton County, AR; Delaware County; OK, US Scenario: Surface water from 2 creeks in OK (unnamed, near WWTP) and AR (Little Osage Creek, near mill) (n = 2; DF = 0.5; Sampling Period: May, 2006 - Jul., 2006)	LOD: 0.16 Other LOQ: Not Reported	POINT VALUE(S): [ND; ND]				
Bidwell et al. 2010 ***HERO ID:*** *697423* *OQD:* Medium	Osage Mills, AR; Benton County, AR; Delaware County; OK, US Scenario: Surface water from 6 cave systems (n = 6; DF = 0; Sampling Period: May, 2006 - Jul., 2006)	LOD: 0.03 ng/POCIS LOQ: Not Reported	NR	NR	ND	NR	NR
Andresen et al. 2007 ***HERO ID:*** *1619118* *OQD:* High	German Bight of the North Sea, DE Scenario: Water from 14 sites in the German Bight (n = 14; DF = NR; Sampling Period: May, 2005 - Jun., 2005)	LOD: Not Reported LOQ: 0.1 ng/L	0.5 ng/L	5.5 ng/L	NR	NR	NR
Calderón-Preciado et al. 2011 ***HERO ID:*** *2919589* *OQD:* Medium	Prat de Llobregat (Northeast Spain), ES Scenario: Irrigation waters in an agricultural area (n = 8; DF = 1; Sampling Period: Jul., 2008 - May, 2009)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.170 µg/L (AM)	NR	0.100 µg/L (ASD)
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the Los Angeles River downstream of treated wastewater effluent discharge (low-flow event October 2011) (n = 6; DF = 0.5; Sampling Period: Oct., 2011)	LOD: 1350 ng/L LOQ: Not Reported	<LOD	2619 ng/L	1465.33 ng/L (AM)	50th: <LOD;	900.28 ng/L (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
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the San Gabriel River downstream of treated wastewater effluent discharge (low-flow event October 2011) (n = 8; DF = 0.75; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1350 ng/L LOQ: Not Reported	<LOD	2753 ng/L	1979.13 ng/L (AM)	50th: 2267 ng/L;	855.91 ng/L (ASD)
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Aarhus river contaminated by 2 upstream WWTPs (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	23 ng/L	57 ng/L	34 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Lyngbygaards river (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	15 ng/L	28 ng/L	22 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from the Brabrand lake outlet (n = 5; DF = 0.8; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	13 ng/L	42 ng/L	23 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from the restored Aarslev wetland outlet (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	10 ng/L	24 ng/L	18 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Aarhus channel (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	44 ng/L	72 ng/L	59 ng/L (AM)	NR	NR
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: Grab water samples from a river (n = 16; DF = 0.94; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.32 ng/L LOQ: 1.05 ng/L	<LOD	1200 ng/L	151.7 ng/L (AM)	10th: 8 ng/L; 25th: 12.7 ng/L; 50th: 20 ng/L; 75th: 150 ng/L; 90th: 325 ng/L;	300.7 ng/L (ASD)
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: 2-week water samples from a river (n = 12; DF = 0.92; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.64 pg/uL LOQ: 2.1 pg/uL	15 ng/POCIS	1300 ng/POCIS	206.4 ng/POCIS (AM)	10th: 32.4 ng/POCIS; 25th: 60.8 ng/POCIS; 50th: 69.5 ng/POCIS; 75th: 197.5 ng/POCIS; 90th: 280 ng/POCIS;	355.8 ng/POCIS (ASD)
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Sculeni (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	66 ng/L	180 ng/L	123 ng/L (AM)	NR	NR
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Frasinesti (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	84 ng/L	166 ng/L	116 ng/L (AM)	NR	NR

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Stoianovca (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	59 ng/L	87 ng/L	73 ng/L (AM)	NR	NR
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Branza (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	67 ng/L	280 ng/L	158 ng/L (AM)	NR	NR
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Leova (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	110 ng/L	144 ng/L	131 ng/L (AM)	NR	NR
Moldovan et al. 2018 ***HERO ID:*** *4854965* *OQD:* High	Sculeni, Ungheni, Frasinesti, Leova, Stoianovca, and Branza, MD,RO Scenario: Surface water from Prut tributary near Ungheni (n = 3; DF = NR; Sampling Period: May, 2011 - Jun., 2012)	LOD: Not Reported LOQ: > or equal to 10 ng/L	69 ng/L	136 ng/L	101 ng/L (AM)	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (summer) (n = 3; DF = 0; Sampling Period: Jul., 2016)	LOD: 2.7 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (fall) (n = 3; DF = 0; Sampling Period: Nov., 2016)	LOD: 2.7 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (winter) (n = 3; DF = 0; Sampling Period: Jan., 2017)	LOD: 2.7 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* Medium	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (spring) (n = 3; DF = 0; Sampling Period: May, 2017)	LOD: 2.7 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in the particulate associated phase of seawater (filter) (n = 24; DF = 0.58; Sampling Period: 2011 - 2012)	LOD: 0.4-51.1 pg/L LOQ: Not Reported	NR	NR	54 pg/L (GM)	NR	NR
Zhang et al. 2018 ***HERO ID:*** *5427902* *OQD:* High	Singapore Strait, SG Scenario: HOC concentrations in the dissolved phase of seawater (filtrate) (n = 24; DF = 1; Sampling Period: 2011 - 2012)	LOD: 0.4-51.1 pg/L LOQ: Not Reported	NR	NR	1351.8 pg/L (GM)	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water downstream of the Ann infiltration facility (A-SW1) (n = 2; DF = 0; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	ND	NR	NR	NR

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Table 8 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water upstream of the Storlien infiltration facility (St-SWR2) (n = 2; DF = 0.5; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	ND	NR	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water from a lake adjacent to the Ann infiltration facility (A-SW2) (n = 2; DF = 0; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	ND	NR	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water downstream of the Storlien infiltration facility (St-SW1) (n = 2; DF = 0.5; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	POINT VALUE(S): [<LOD; 61.5 ng/L]				

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Paxeus et al. 1996 ***HERO ID:*** *791113* *OQD:* Medium	Stockholm; Göteborg; Malmö, SE Scenario: Effluent from Henriksdal Sewage Treatment Plant (n = 1; DF = 1; Sampling Period: Dec., 1993 - Jan., 1994)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.0 µg/L (AM)	NR	NR
Paxeus et al. 1996 ***HERO ID:*** *791113* *OQD:* Medium	Stockholm; Göteborg; Malmö, SE Scenario: Effluent from Göteborg Regional Sewage Works (n = 1; DF = 1; Sampling Period: Dec., 1993 - Jan., 1994)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.0 µg/L (AM)	NR	NR
Paxeus et al. 1996 ***HERO ID:*** *791113* *OQD:* Medium	Stockholm; Göteborg; Malmö, SE Scenario: Effluent from Sjölunda Sewage Works (n = 1; DF = 1; Sampling Period: Dec., 1993 - Jan., 1994)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.0 µg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 ***HERO ID:*** *1249709* *OQD:* Medium	Galicia, ES Scenario: Wastewater winter (n = 4; DF = 1; Sampling Period: Winter, 2008)	LOD: 0.053 µg/L LOQ: 0.062 µg/L	1.64 µg/L	2.49 µg/L	1.95 µg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 ***HERO ID:*** *1249709* *OQD:* Medium	Galicia, ES Scenario: Wastewater summer (n = 4; DF = 1; Sampling Period: Summer, 2009)	LOD: 0.053 µg/L LOQ: 0.062 µg/L	1.3 µg/L	2.7 µg/L	2.18 µg/L (AM)	NR	NR
Reyes-Contreras et al. 2011 ***HERO ID:*** *1249709* *OQD:* Medium	Galicia, ES Scenario: Sludge winter (n = 1; DF = 1; Sampling Period: Winter, 2008)	LOD: 0.058 µg/L LOQ: 0.066 µg/L	POINT VALUE(S): [3842.0 µg/kg]				
Reyes-Contreras et al. 2011 ***HERO ID:*** *1249709* *OQD:* Medium	Galicia, ES Scenario: Sludge summer (n = 1; DF = 1; Sampling Period: Summer, 2009)	LOD: 0.058 µg/L LOQ: 0.066 µg/L	POINT VALUE(S): [12304.0 µg/kg]				
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: Effluent from 5 WWTP - first campaign (n = 5; DF = 1; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 µg/L	NR	NR	0.5 µg/L (AM)	NR	62.1 % (CV)
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: Effluent from 5 WWTP - second campaign (n = 5; DF = 1; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 µg/L	NR	NR	7.6 µg/L (AM)	NR	NR
Chen et al. 2009 ***HERO ID:*** *697481* *OQD:* High	Meppen, DE Scenario: Sludge from reed bed of WWTP in Germany (n = 10; DF = 1; Sampling Period: Jun., 2006 - Jul., 2007)	LOD: 3-30 ng/g LOQ: 10-100 ng/g	8000.0 ng/g	12000.0 ng/g	10000.0 ng/g (AM)	50th: 10000.0 ng/g;	2828.43 ng/g (ASD)
Blum et al. 2017 ***HERO ID:*** *4143122* *OQD:* Medium	Not Reported, SE Scenario: Wastewater effluent from sewage treatment plant (n = 5; DF = 1.00; Sampling Period: Oct., 2013 - Nov., 2013)	LOD: Not Reported LOQ: 0.2 pg/uL	NR	990.0 ng/L	NR	50th: 910.0 ng/L;	NR
Blum et al. 2017 ***HERO ID:*** *4143122* *OQD:* Medium	Not Reported, SE Scenario: Effluent from soil bed (n = 5; DF = 0.80; Sampling Period: Oct., 2013 - Nov., 2013)	LOD: Not Reported LOQ: 0.2 pg/uL	NR	1400.0 ng/L	NR	50th: 600.0 ng/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Biel-Maeso et al. 2018 ***HERO ID:*** *5017319* *OQD:* Medium	Jerez de la Frontera, ES Scenario: Effluent of WWTP (n = 10; DF = 1; Sampling Period: Jul., 2014 - Jun., 2015)	LOD: <0.01 ng/L LOQ: <0.01 ng/L	770.0 ng/L	5770.0 ng/L	16990.0 ng/L (AM)	10th: 1594.0 ng/L; 25th: 6095.0 ng/L; 50th: 11500.0 ng/L; 75th: 28550.0 ng/L; 90th: 39410.0 ng/L;	15015.56 ng/L (ASD)
Biel-Maeso et al. 2018 ***HERO ID:*** *5017319* *OQD:* Medium	Jerez de la Frontera, ES Scenario: Influent into WWTP (n = 10; DF = 1; Sampling Period: Jul., 2014 - Jun., 2015)	LOD: <0.01 ng/L LOQ: <0.01 ng/L	1110.0 ng/L	4020.0 ng/L	2027.0 ng/L (AM)	10th: 1317.0 ng/L; 25th: 1395.0 ng/L; 50th: 1845.0 ng/L; 75th: 1940.0 ng/L; 90th: 3435.0 ng/L;	936.6 ng/L (ASD)
Kinney et al. 2010 ***HERO ID:*** *5428395* *OQD:* Medium	Midwest and Northwest, US Scenario: Biosolids at Site 2 (n = 3; DF = 1; Sampling Period: Apr., 2005)	LOD: Not Reported LOQ: Not Reported	%RSD: 19.0 ng/g				
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Influent wastewater at the Storlien infiltration facility (St-STI) (n = 4; DF = 1; Sampling Period: Jan., 2017 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	3200.0 ng/L	NR	50th: 2800.0 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Effluent wastewater at the Storlien infiltration facility (St-STE) (n = 3; DF = 1; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	1600.0 ng/L	NR	50th: 380.0 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Effluent wastewater at the Ann infiltration facility (A-STE) (n = 5; DF = 1; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 6.8 ng/L LOQ: 22 ng/L	NR	1874.0 ng/L	NR	50th: 1600.0 ng/L;	NR
Launay et al. 2016 ***HERO ID:*** *5664394* *OQD:* High	Stuttgart, DE Scenario: Combined sewer overflows - Effluent (n = 7; DF = NR; Sampling Period: Jul., 2014 - Oct., 2014)	LOD: 20 ng/L LOQ: 40 ng/L	62.0 ng/L	320.0 ng/L	184.0 ng/L (AM)	50th: 173.0 ng/L;	NR
Launay et al. 2016 ***HERO ID:*** *5664394* *OQD:* High	Stuttgart, DE Scenario: WWTP - Influent (n = 9; DF = NR; Sampling Period: Feb., 2014 - Jul., 2014)	LOD: 20 ng/L LOQ: 40 ng/L	1300.0 ng/L	3800.0 ng/L	2513.0 ng/L (AM)	50th: 5000.0 ng/L;	NR

Table 10: 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	-2.366 log10 mg/day	0.543 log10 mg/day	NR	25th: -1.324 log10 mg/day; 50th: -0.931 log10 mg/day; 75th: -0.576 log10 mg/day;	NR

Table 11: Data Extraction Tables of Exposure Modeling Studies for Product/Article

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Shin et al. 2014 ***HERO ID:*** *2215665* *OQD:* Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs from personal care products	NR	NR	-1.401 log10 mg/day (AM)	NR	NR

Table 12: Glossary of Select Terms for Data Extraction

Term	Definition
30Q5	Lowest 30-day average flow that occurs (on average) once every 5 years
ACH	Air exchange rate
ADC	Average daily concentration
ADD	Average daily dose
ADME	Absorption, distribution, metabolism, and excretion
AF	Assessment factor
APDR	Acute potential dose rate
BCF	Bioconcentration factor
BLS	Bureau of Labor Statistics (U.S.)
CADD	Chronic average daily dose
CASRN	Chemical Abstracts Service Registry Number
CDR	Chemical Data Reporting
CEM	Consumer Exposure Model
ChemSTEER	Chemical Screening Tool for Exposure and Environmental Releases
COU	Condition of use
CPS	Current Population Survey
DTD	Down-the-drain
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
HHCB	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[γ]-2-benzopyran
IADD	Intermediate average daily dose
KABAM	K_{OW} (based) Aquatic BioAccumulation Model
K_{OW}	Octanol: water partition coefficient
LADC	Lifetime average daily concentration
MCCEM	Multi-chamber concentration
NAICS	North American Industry Classification System
OAQPS	Office of Air Quality Planning and Standards (EPA)
OCSPP	Office of Chemical Safety and Pollution Prevention
OECD	Organisation for Economic Co-operation and Development
OPPT	Office of Pollution Prevention and Toxics
OSHA	Occupational Safety and Health Administration
PESS	Potentially exposed or susceptible subpopulation(s)
PNOR	Particulates not otherwise regulated
POD	Point(s) of departure
POTW	Publicly owned treatment works
PSC	Point Source Calculator
ReCAAP	Rethinking Chronic Toxicity and Carcinogenicity Assessment for Agrochemicals Project
SHEDS-HT	Stochastic Human Exposure and Dose Simulations-High Throughput
SIC	Standard Industrial Code
SIPP	Survey of Income and Program Participation
SWC	Surface water concentration
TRI	Toxics Release Inventory
TSD	Technical support document
TSCA	Toxic Substances Control Act
TWA	Time-weighted average
U.S.	United States
VVWM	Variable Volume Water Model
w/w	Weight by weight

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Table 12 . . . continued from previous page

Term	Definition
WWT	Wastewater treatment