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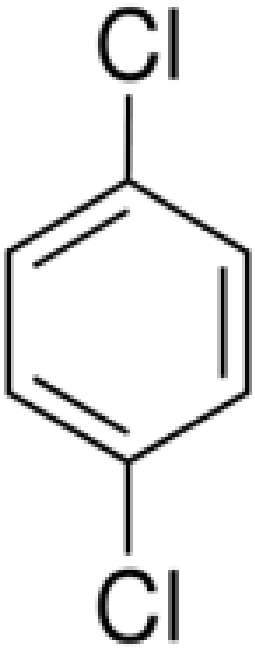
Office of Chemical Safety and
Pollution Prevention

Draft Data Extraction Information for General Population, Consumer, and Environmental Exposure for p-Dichlorobenzene (pDCB)

Systematic Review Support Document for the Draft Risk Evaluation

CASRN: 106-46-7



July 2026

This supplemental file contains information regarding the data extraction results for data sources that met the PECO screening criteria for the *Draft Chemistry, Fate, Release, and Exposure Assessment for p-Dichlorobenzene*. 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 Systematic Review Protocol for p-Dichlorobenzene*.

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 *Draft Systematic Review Protocol for p-Dichlorobenzene*.

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 the *Draft Data Extraction Information for General Population, Consumer, and Environmental Exposure for p-Dichlorobenzene*.

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cohen et al. 1989 ***HERO ID:*** *27314* *OQD:* Medium	Kanawha Valley region, US Scenario: Outdoor residential air in a chemical manufacturing industrialized area (n = 35; DF = 0; Sampling Period: Aug., 1987)	LOD: 1.9 $\mu g/m^3$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Delfino et al. 2003 ***HERO ID:*** *90941* *OQD:* Medium	Los Angeles County, CA, US Scenario: 24-hr air samples collected in canisters at a site flanked by major freeways and within 4 miles of Hispanic children with asthma (n = 88; DF = 0.73; Sampling Period: Nov., 1999 - Jan., 2000)	LOD: 0.6 ng/L LOQ: Not Reported	0.30 ng/L	2.40 ng/L	0.96 ng/L (AM)	50th: 1.20 ng/L; 90th: 1.80 ng/L;	0.54 ng/L (ASD)
Sax et al. 2006 ***HERO ID:*** *156950* * *OQD:* High	New York City, NY, US Scenario: 48-hr active samples collected outside homes (from window) of 41 non-smoking teens (TEACH study) (n = 41; DF = 0.77; Sampling Period: Feb., 1999 - Aug., 1999)	LOD: Not Reported LOQ: Not Reported	NR	34.1 $\mu g/m^3$	4.59 $\mu g/m^3$ (AM)	50th: 2.24 $\mu g/m^3$;	NR
Sax et al. 2006 ***HERO ID:*** *156950* * *OQD:* High	Los Angeles, CA, US Scenario: 48-hr active samples collected outside homes (from window) of 40 non-smoking teens (TEACH study) (n = 40; DF = 0.60; Sampling Period: Feb., 2000 - Oct., 2000)	LOD: Not Reported LOQ: Not Reported	NR	12.2 $\mu g/m^3$	2.65 $\mu g/m^3$ (AM)	50th: 1.80 $\mu g/m^3$;	NR
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Elizabeth, NJ; Houston, TX; Los Angeles, CA, US Scenario: 48-hr passive sampling outside of homes (RIOPA Study) (n = 555; DF = 0.247; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.83 $\mu g/m^3$ LOQ: Not Reported	NR	NR	2.25 $\mu g/m^3$ (AM)	1st: 0.09 $\mu g/m^3$; 5th: 0.19 $\mu g/m^3$; 50th: 0.72 $\mu g/m^3$; 99th: 18.3 $\mu g/m^3$; 95th: 3.66 $\mu g/m^3$;	17.15 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Outdoor air near residential homes (RIOPA Study) (n = 175; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.62 $\mu g/m^3$ (AM)	50th: 0.33 $\mu g/m^3$;	12.4 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Outdoor air near residential homes in spring (RIOPA Study) (n = 21; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.81 $\mu g/m^3$ (AM)	50th: 0.61 $\mu g/m^3$;	0.97 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Outdoor air near residential homes in summer (RIOPA Study) (n = 54; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.88 $\mu g/m^3$ (AM)	50th: 0.72 $\mu g/m^3$;	3.83 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Outdoor air near residential homes in fall (RIOPA Study) (n = 55; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.59 $\mu g/m^3$ (AM)	50th: 0.39 $\mu g/m^3$;	0.64 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Outdoor air near residential homes in winter (RIOPA Study) (n = 18; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.54 $\mu g/m^3$ (AM)	50th: 0.17 $\mu g/m^3$;	1.14 $\mu g/m^3$ (ASD)
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Five-day average; passive samples collected continuously during school week at 2 inner city schools (SHIELD study) - spring (n = 10; DF = 0.70; Sampling Period: Apr., 2000 - May, 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.1 $\mu g/m^3$; 50th: 0.2 $\mu g/m^3$; 90th: 0.4 $\mu g/m^3$;	NR
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Five-day average; passive samples collected continuously during school week at 2 inner city schools (SHIELD study) - winter (n = 8; DF = 0.125; Sampling Period: Jan., 2000 - Feb., 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: ND; 50th: 0.1 $\mu g/m^3$; 90th: 0.2 $\mu g/m^3$;	NR
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential outdoor air near industrial facility (summer) (n = 25; DF = 0.96; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 15 pg LOQ: Not Reported	NR	NR	3.72 $\mu g/m^3$ (GM)	10th: 1.69 $\mu g/m^3$; 90th: 12.3 $\mu g/m^3$;	2.63 $\mu g/m^3$ (GSD)
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential outdoor air near industrial facility (winter) (n = 21; DF = 0.24; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 15 pg LOQ: Not Reported	NR	NR	1.32 $\mu g/m^3$ (GM)	10th: 0.95 $\mu g/m^3$; 90th: 2.13 $\mu g/m^3$;	2.19 $\mu g/m^3$ (GSD)
Adgate et al. 2004 ***HERO ID:*** *700554* *OQD:* High	Minneapolis, St. Paul, Rice County, and Goodhue County, MN, US Scenario: 6-day average; passive outdoor air sample in urban and nonurban yards (intensive phase Minnesota Children's Pesticide Exposure Study) (n = 100; DF = 0.42; Sampling Period: May, 1997 - Sept., 1997)	LOD: 0.2 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.3 $\mu g/m^3$ (AM)	L95thCI (AM): $\mu g/m^3$; 25th: 0.1 $\mu g/m^3$; 50th: 0.1 $\mu g/m^3$; 75th: 0.3 $\mu g/m^3$; 95th: 1.0 $\mu g/m^3$; U95thCI (AM): $\mu g/m^3$;	ug/m^3 (SE)
Dodson et al. 2007 ***HERO ID:*** *1067092* *OQD:* Medium	Boston, MA, US Scenario: 48-hr actively collected outdoor air samples at homes of 55 non-smokers during work week in summer and/or winter (BEAM study) (n = 89; DF = 0.46; Sampling Period: 2007)	LOD: 0.237 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.26 $\mu g/m^3$ (AM)	50th: 0.13 $\mu g/m^3$; 95th: 0.62 $\mu g/m^3$;	0.47 $\mu g/m^3$ (ASD)
Bereznicki et al. 2012 ***HERO ID:*** *1526164* *OQD:* Medium	Detroit, MI, US Scenario: 24-hr average; passive samples collected near 95 urban residences and 1 regional monitoring site in summer and/or winter (DEARS) (n = 992; DF = 0.91; Sampling Period: Summer, 2004 - Winter, 2007)	LOD: 0.134 $\mu g/m^3$ LOQ: Not Reported	ND	71.5 $\mu g/m^3$	NR	5th: ND; 25th: 0.280 $\mu g/m^3$; 50th: 0.418 $\mu g/m^3$; 75th: 0.802 $\mu g/m^3$; 95th: 1.44 $\mu g/m^3$;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Shin et al. 2012 ***HERO ID:*** *1787932* *OQD:* Uninformative	Daegu, Ulsan, and Youngcheon, KR Scenario: Outdoor air of apartments in Korea - p-DCP (n = 107; DF = 0.55; Sampling Period: 2012)	LOD: 0.4 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.1 $\mu g/m^3$ (AM)	50th: 0.9 $\mu g/m^3$;	0.8 $\mu g/m^3$ (ASD)
MartÃ et al. 2014 ***HERO ID:*** *2517712* *OQD:* Medium	Barcelona, ES Scenario: Ambient air near closed landfill (Scenario RH2 -inhabitants of city of Cerdanyola) (n = 36; DF = NR; Sampling Period: 2014)	LOD: 0.001-10 ng LOQ: Not Reported	NR	NR	0.012 $\mu g/m^3$ (AM)	NR	0.006 $\mu g/m^3$ (ASD)
Zhong et al. 2017 ***HERO ID:*** *3839233* *OQD:* High	Ohio, Illinois, Michigan, and Indiana, US Scenario: Passive samples (one- to two-day sampling period) from roof or ground of recently constructed or renovated schools (n = 35; DF = 0; Sampling Period: Oct., 2015 - Mar., 2016)	LOD: 0.03 $\mu g/m^3$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr sample near school EP-A, located in area of lower traffic emissions (n = 14; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.04 $\mu g/m^3$	0.26 $\mu g/m^3$	0.09 $\mu g/m^3$ (AM)	50th: 0.06 $\mu g/m^3$;	0.07 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr samples near school EP-B, located in area of higher traffic emissions (n = 14; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.09 $\mu g/m^3$	0.63 $\mu g/m^3$	0.31 $\mu g/m^3$ (AM)	50th: 0.30 $\mu g/m^3$;	0.14 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr samples near school EP-C, located in area of higher traffic emissions (n = 14; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.06 $\mu g/m^3$	0.62 $\mu g/m^3$	0.26 $\mu g/m^3$ (AM)	50th: 0.25 $\mu g/m^3$;	0.14 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr samples near school EP-D, located in area of higher traffic emissions (n = 14; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.07 $\mu g/m^3$	0.55 $\mu g/m^3$	0.22 $\mu g/m^3$ (AM)	50th: 0.20 $\mu g/m^3$;	0.13 $\mu g/m^3$ (ASD)
U.S. EPA et al. 2015 ***HERO ID:*** *5113338* * *OQD:* High	Various counties, US Scenario: 24-hr average; Ambient air from nationwide background air sampling network (EPA's Air Toxics Monitoring Archive) (n = 81; DF = >0; Sampling Period: 2010 - 2012)	LOD: Not Reported LOQ: Not Reported	0.0092 $\mu g/m^3$	NR	0.015 $\mu g/m^3$ (AM)	10th: 0.0092 $\mu g/m^3$; 25th: 0.0092 $\mu g/m^3$; 50th: 0.0092 $\mu g/m^3$;	NR
Huang et al. 2019 ***HERO ID:*** *5431563* *OQD:* High	Xi'an, northwest China, CN Scenario: Air outside of dwellings in northwest China (n = 37; DF = NR; Sampling Period: Nov., 2016 - Feb., 2017)	LOD: 0.1-0.158 ppbv LOQ: Not Reported	NR	NR	0.16 $\mu g/m^3$ (AM)	NR	0.21 $\mu g/m^3$ (ASD)
CTEH et al. 2021 ***HERO ID:*** *11273432* *OQD:* High	Anacortes, WA, US Scenario: Ambient air near a refinery (n = 6; DF = 0; Sampling Period: Sept., 2020 - Oct., 2020)	LOD: Not Reported LOQ: 0.200 ppbv	NR	NR	ND	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Logue et al. 2010 ***HERO ID:*** *1255270* *OQD:* High	Pittsburgh, PA, US Scenario: 24-hr average; samples collected via Summa canisters from downtown residential area with high traffic (Flag Plaza site) (n = 122; DF = NR; Sampling Period: Feb., 2006 - Jan., 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.60 $\mu g/m^3$ (AM)	5th: 0.18 $\mu g/m^3$; 25th: 0.36 $\mu g/m^3$; 50th: 0.54 $\mu g/m^3$; 75th: 0.83 $\mu g/m^3$; 95th: 1.38 $\mu g/m^3$;	0.36 $\mu g/m^3$ (ASD)
Logue et al. 2010 ***HERO ID:*** *1255270* *OQD:* High	Pittsburgh, PA, US Scenario: 24-hr average; samples collected via Summa canisters from suburban residential area air located 0.8 km from chemical and industrial facilities (Stowe site) (n = 122; DF = NR; Sampling Period: Feb., 2006 - Jan., 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.09 $\mu g/m^3$ (AM)	5th: 0 $\mu g/m^3$; 25th: 0.06 $\mu g/m^3$; 50th: 0.06 $\mu g/m^3$; 75th: 0.12 $\mu g/m^3$; 95th: 0.22 $\mu g/m^3$;	0.06 $\mu g/m^3$ (ASD)
Logue et al. 2010 ***HERO ID:*** *1255270* *OQD:* High	Pittsburgh, PA, US Scenario: 24-hr average; samples collected via Summa canisters from suburban residential area considered a regional background site (South Fayette site) (n = 122; DF = NR; Sampling Period: Feb., 2006 - Jan., 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.05 $\mu g/m^3$ (AM)	5th: 0 $\mu g/m^3$; 25th: 0 $\mu g/m^3$; 50th: 0.06 $\mu g/m^3$; 75th: 0.06 $\mu g/m^3$; 95th: 0.12 $\mu g/m^3$;	0.05 $\mu g/m^3$ (ASD)
Logue et al. 2010 ***HERO ID:*** *1255270* *OQD:* High	Pittsburgh, PA, US Scenario: 24-hr average; samples collected via Summa canisters from suburban residential area located 0.8 km from chemical and industrial facilities (Avalon site) (n = 122; DF = NR; Sampling Period: Feb., 2006 - Jan., 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.11 $\mu g/m^3$ (AM)	5th: 0 $\mu g/m^3$; 25th: 0.06 $\mu g/m^3$; 50th: 0.06 $\mu g/m^3$; 75th: 0.12 $\mu g/m^3$; 95th: 0.30 $\mu g/m^3$;	0.08 $\mu g/m^3$ (ASD)
Yu et al. 2014 ***HERO ID:*** *2382561* *OQD:* Medium	Paterson, NJ; Chester, NJ, US Scenario: 24-hour averaged; samples collected in canisters from rooftop at a commercial, industrial, mobile, and background site. (n = 195; DF = 0.75; Sampling Period: Nov., 2005 - Dec., 2006)	LOD: 0.04 $\mu g/m^3$ LOQ: Not Reported	<LOD	1.39 $\mu g/m^3$	0.24 $\mu g/m^3$ (AM)	50th: 0.18 $\mu g/m^3$;	0.23 $\mu g/m^3$ (ASD)
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from industrialized area close to a petrol refinery (n = 3; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	2.1 $\mu g/m^3$	23 $\mu g/m^3$	NR	NR	NR
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from industrialized area in the periphery of the South industrial complex (near low traffic road) (n = 3; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	ND	NR	NR	NR	NR
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from industrialized area inside the South industrial complex (away from roads) (n = 3; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	1.8 $\mu g/m^3$	4.1 $\mu g/m^3$	NR	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from urban area of Imperial Tarraco Square (high traffic) (n = 6; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	0.8 $\mu g/m^3$	2.8 $\mu g/m^3$	NR	NR	NR
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from urban area of Pla de la Seu (historical center, closed to traffic) (n = 6; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	0.6 $\mu g/m^3$	1.8 $\mu g/m^3$	NR	NR	NR
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from urban area of Carros Square (close to port, medium traffic) (n = 6; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	2.3 $\mu g/m^3$	2.8 $\mu g/m^3$	NR	NR	NR
Ras-Mallorqui et al. 2007 ***HERO ID:*** *2443817* *OQD:* High	Tarragona Region, ES Scenario: Ambient air from urban area of Rambla Nova (commercial and residential, low traffic) (n = 6; DF = 1; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.12 $\mu g/m^3$ LOQ: 0.17 $\mu g/m^3$	0.7 $\mu g/m^3$	3.2 $\mu g/m^3$	NR	NR	NR
Uchiyama et al. 2015 ***HERO ID:*** *2834618* *OQD:* Medium	Various locations, JP Scenario: Outdoor air from homes in winter (n = 602; DF = <0.5; Sampling Period: Jan., 2012 - Mar., 2014)	LOD: Not Reported LOQ: Not Reported	NR	38 $\mu g/m^3$	0.9 $\mu g/m^3$ (AM)	50th: 0 $\mu g/m^3$;	NR
Uchiyama et al. 2015 ***HERO ID:*** *2834618* *OQD:* Medium	Various locations, JP Scenario: Outdoor air from homes in summer (n = 602; DF = NR; Sampling Period: Jul., 2012 - Sept., 2014)	LOD: Not Reported LOQ: Not Reported	NR	200 $\mu g/m^3$	5.1 $\mu g/m^3$ (AM)	50th: 1.1 $\mu g/m^3$;	NR
Tanaka-Kagawa et al. 2005 ***HERO ID:*** *4912389* *OQD:* Medium	Iwate Prefecture;Yamanashi Prefecture;Shiga Prefecture;Hyogo Prefecture;Kochi Prefecture;Fukuoka Prefecture, JP Scenario: Ambient air at homes in various prefectures in Japan. (n = 50; DF = 0.84; Sampling Period: Jan., 2005 - Feb., 2005)	LOD: Not Reported LOQ: Not Reported	0 $\mu g/m^3$	2.4 $\mu g/m^3$	0.47 $\mu g/m^3$ (AM)	50th: 0.33 $\mu g/m^3$;	NR
Hanazato et al. 2018 ***HERO ID:*** *5344296* *OQD:* Medium	Chiba Prefecture, JP Scenario: Ambient air outside renovated bank in early and late winter (n = 2; DF = 0; Sampling Period: Dec., 2013 - Mar., 2014)	LOD: Not Reported LOQ: 1.0 $\mu g/m^3$	NR	NR	ND	NR	NR

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

Table 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 - Oct 2002-March 2004 (n = 147; DF = 0.69; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.024 µg/L LOQ: Not Reported	NR	0.083 µg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Source drinking water (plant intake) samples at United States CWS - June 2004-August 2005 (n = 95; DF = 0; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.024 µg/L LOQ: Not Reported	NR	ND ug/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 = 94; DF = 0.03; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.024 µg/L LOQ: Not Reported	NR	0.05 µg/L	NR	NR	NR
Focazio et al. 2008 ***HERO ID:*** *3559503* *OQD:* Medium	26 States and Territories, PR,US Scenario: Source water for drinking water treatment plants in 26 sites (n = 73; DF = 0.027; Sampling Period: Summer, 2001)	LOD: 0.1 µg/L LOQ: 0.5 µg/L	NR	<LOQ	NR	NR	NR
Bugher et al. 2024 ***HERO ID:*** *12795200* *OQD:* High	Ritchie, Doddridge, Tyler, Marshall and Wetzel counties, West Virginia, US Scenario: Groundwater from domestic drinking water wells in Appalachian WV hydraulic fracturing activity area (n = 56; DF = 0.02; Sampling Period: Oct., 2020)	LOD: 0.004 µg/L LOQ: Not Reported	<LOD	0.015 µg/L	<LOD	50th: <LOD;	0.002 µg/L (ASD)
Bugher et al. 2024 ***HERO ID:*** *12795200* *OQD:* High	Belmont and Monroe counties, OH, US Scenario: Groundwater from domestic drinking water wells in Appalachian OH hydraulic fracturing activity area (n = 162; DF = 0.01; Sampling Period: Jun., 2019 - Aug., 2019)	LOD: 0.004 µg/L LOQ: Not Reported	<LOD	0.052 µg/L	<LOD	50th: <LOD;	0.004 µg/L (ASD)
Bugher et al. 2024 ***HERO ID:*** *12795200* *OQD:* High	Bradford, PA, US Scenario: Groundwater from domestic drinking water wells in Appalachian PA hydraulic fracturing activity area (n = 89; DF = 0.01; Sampling Period: Aug., 2018 - Sept., 2018)	LOD: 0.004 µg/L LOQ: Not Reported	<LOD	0.004 µg/L	<LOD	50th: <LOD;	0.0004 µg/L (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
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Sault Ste. Marie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Sault Ste. Marie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Amherstburg - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.0 ng/L; 0.6 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Amherstburg - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.6 ng/L; 0.4 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Fort Erie - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.4 ng/L; ND]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Fort Erie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Burlington - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.9 ng/L; 1.9 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Burlington - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.2 ng/L; 1.6 ng/L]				

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Table 2 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Cornwall - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND; 0.2 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Cornwall - Summer and Winter (n = 2; DF = 0.5; Sampling Period: winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND; 0.4 ng/L]				
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Finished water from principal aquifers across the United States (n = 71; DF = 0.11; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.034 μg/L	NR	0.056 μg/L	NR	NR	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 1995 ***HERO ID:*** *659873* *OQD:* Medium	Orange County, Florida, US Scenario: Groundwater near landfill (n = 8; DF = 0.75; Sampling Period: 1989 - 1993)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [3.74 µg/L; 10.71 µg/L; 0.45 µg/L; 1.62 µg/L; 0.08 µg/L; 0.08 µg/L; ND; ND]				
Sabel et al. 1984 ***HERO ID:*** *724484* *OQD:* Medium	Minnesota, US Scenario: Groundwater from landfill sites with suggested leachate contamination (n = 13; DF = 0.08; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	15 µg/L	NR	NR	NR
Sabel et al. 1984 ***HERO ID:*** *724484* *OQD:* Medium	Minnesota, US Scenario: Groundwater from landfill sites with unknown or good water quality (n = 7; DF = 0; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.4 down-gradient of infiltration basin (n = 3; DF = 1.0; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.65 µg/L (AM)	NR	NR
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.5 down-gradient of infiltration basin (n = 3; DF = 1.0; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.47 µg/L (AM)	NR	NR
Westinghouse Savannah River Company et al. 1997 ***HERO ID:*** *1740826* *OQD:* Medium	South Carolina, US Scenario: Groundwater monitoring wells in a landfill (nondetects excluded) (n = 224; DF = 0.13; Sampling Period: 1995 - 1996)	LOD: 0.05 µg/L LOQ: Not Reported	POINT VALUE(S): [0.1 µg/L; 36 µg/L; 56.2 µg/L; 65.4 µg/L; 0.06 µg/L; 0.15 µg/L; 0.1 µg/L; 3.68 µg/L; 13.9 µg/L; 26.9 µg/L; 0.06 µg/L; 0.72 µg/L; 3.42 µg/L; 1.59 µg/L; 3.18 µg/L; 20 µg/L; 6.7 µg/L; 13.9 µg/L; 169 µg/L; 0.22 µg/L; 0.29 µg/L; 110 µg/L; 29.2 µg/L; 23.5 µg/L; 57.5 µg/L; 5.4 µg/L; 18.6 µg/L; 11.7 µg/L; 12.4 µg/L; 0.16 µg/L]				
Barnes et al. 2008 ***HERO ID:*** *4832201* *OQD:* Medium	Eighteen states from the East coast, West coast and Mid-west regions of the U.S. (not specified)., US Scenario: Groundwater background concentrations from 18 states in the U.S. (n = 47; DF = 0.064; Sampling Period: 2000)	LOD: Not Reported LOQ: 0.5 µg/L	NR	1.17 µg/L	NR	NR	NR
Heck et al. 1992 ***HERO ID:*** *5438509* *OQD:* Medium	Reno County, Kansas, US Scenario: Groundwater from private wells near Reno County Landfill (n = 5; DF = 0; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 0.2 µg/L	NR	NR	<LOQ	NR	NR
Heck et al. 1992 ***HERO ID:*** *5438509* *OQD:* Medium	Reno County, Kansas, US Scenario: Groundwater from monitoring wells near Reno County Landfill (n = 8; DF = 0.5; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 0.2 µg/L	POINT VALUE(S): [3.3 µg/L; 15 µg/L; 1.4 µg/L; <LOQ; <LOQ; 0.3 µg/L; <LOQ; <LOQ]				

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Table 3 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bigsby et al. 1989 ***HERO ID:*** *5449639* *OQD:* Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater upgradient of Geary county landfill (n = 1; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 µg/L LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Bigsby et al. 1989 ***HERO ID:*** *5449639* *OQD:* Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater downgradient of Geary county land-fill (n = 6; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 µg/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND; 0.4 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND; 0.2 ng/L]				
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Groundwater from principal aquifers across the United States (n = 221; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.034 µg/L	NR	NR	ND	NR	NR
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Source water (resampled) from principal aquifers across the United States (n = 71; DF = 0.11; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.034 µg/L	NR	0.048 µg/L	NR	NR	NR
Buszka et al. 2009 ***HERO ID:*** *4912133* *OQD:* Medium	Elkhart, Indiana, US Scenario: Water from 4 wells downgradient from a landfill (n = 6; DF = 0; Sampling Period: Nov., 2000 - Oct., 2002)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<LOQ	NR	NR

Table 4: Data Extraction Tables of Exposure Monitoring Studies for Human Biomonitoring

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Blount et al. 2010 ***HERO ID:*** *737432* *OQD:* Medium	Baltimore, MD, US Scenario: Single human milk convenience samples from 12 women, analyzed via SPME with GC/MS. (n = 12; DF = NR; Sampling Period: 2009)	LOD: Not Reported LOQ: Not Reported	0.12 ng/mL	0.59 ng/mL	0.186 ng/mL (AM)	50th: 0.17 ng/mL;	NR
Nassan et al. 2019 ***HERO ID:*** *5041439* ‡ *OQD:* High *2, 5-Dichlorophenol*	Boston, MA, US Scenario: Urine samples of men undergoing fertility treatment (n = 520; DF = 0.93; Sampling Period: 2004 - 2017)	LOD: 0.10–0.20 µg/L LOQ: Not Reported	NR	NR	1.6 µg/L (GM)	25th: 0.5 µg/L; 75th: 4.15 µg/L;	NR
Nassan et al. 2019 ***HERO ID:*** *5041439* ‡ *OQD:* High *2, 5-Dichlorophenol*	Boston, MA, US Scenario: Urine samples of women undergoing fertility treatment (n = 520; DF = 0.87; Sampling Period: 2004 - 2017)	LOD: 0.10–0.20 µg/L LOQ: Not Reported	NR	NR	1.03 µg/L (GM)	25th: 0.4 µg/L; 75th: 2.4 µg/L;	NR

‡ Data extraction results are for metabolite concentrations.

Table 5: Data Extraction Tables of Exposure Monitoring Studies for Indoor Air

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Cohen et al. 1989 ***HERO ID:*** *27314* *OQD:* Medium	Kanawha Valley region, US Scenario: Indoor residential air in a chemical manufacturing industrialized area (n = 35; DF = 0.49; Sampling Period: Aug., 1987)	LOD: 1.9 $\mu g/m^3$ LOQ: Not Reported	NR	107.5 $\mu g/m^3$	45.50 $\mu g/m^3$ (AM)	50th: <LOD;	182.8 $\mu g/m^3$ (ASD)
Lindstrom et al. 1995 ***HERO ID:*** *78782* *OQD:* Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 3 conventional single-family homes pre-occupancy phase (unfurnished and unoccupied) (n = 6; DF = 0; Sampling Period: Dec., 1992)	LOD: 1.20 $\mu g/m^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 ***HERO ID:*** *78782* *OQD:* Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 6 experimental single-family townhomes pre-occupancy phase (unfurnished and unoccupied) (n = 10; DF = 0; Sampling Period: Dec., 1992)	LOD: 1.20 $\mu g/m^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 ***HERO ID:*** *78782* *OQD:* Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected on Tenax-GC from 6 experimental single-family townhomes during occupancy (n = 12; DF = 0; Sampling Period: May, 1993)	LOD: 0.28 $\mu g/m^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 ***HERO ID:*** *78782* *OQD:* Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected on Tenax-GC from 3 conventional single-family homes during occupancy (n = 6; DF = 0; Sampling Period: May, 1993)	LOD: 0.28 $\mu g/m^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Sax et al. 2006 ***HERO ID:*** *156950* * *OQD:* High	New York City, NY, US Scenario: 48-hr active samples collected from living room of 41 homes of non-smoking teens (TEACH study) (n = 41; DF = 0.95; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: Not Reported LOQ: Not Reported	NR	1452 $\mu g/m^3$	75.0 $\mu g/m^3$ (AM)	50th: 8.28 $\mu g/m^3$;	NR
Sax et al. 2006 ***HERO ID:*** *156950* * *OQD:* High	Los Angeles, CA, US Scenario: 48-hr active samples collected from living room of 40 homes of non-smoking teens (TEACH study) (n = 40; DF = 0.88; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: Not Reported LOQ: Not Reported	NR	261 $\mu g/m^3$	47.4 $\mu g/m^3$ (AM)	50th: 6.19 $\mu g/m^3$;	NR
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Elizabeth, NJ; Houston, TX; Los Angeles, CA, US Scenario: 48-hr passive sampling of indoor air in homes of non-smokers (RIOPA Study) (n = 554; DF = 0.588; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.83 $\mu g/m^3$ LOQ: Not Reported	NR	NR	68.9 $\mu g/m^3$ (AM)	1st: 0.19 $\mu g/m^3$; 5th: 0.29 $\mu g/m^3$; 50th: 1.44 $\mu g/m^3$; 99th: 1790 $\mu g/m^3$; 95th: 344 $\mu g/m^3$;	304 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air near residential homes (RIOPA Study) (n = 174; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	132 $\mu g/m^3$ (AM)	50th: 2.02 $\mu g/m^3$;	390 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Houston, TX, US Scenario: Outdoor air near residential homes in summer (RIOPA Study) (n = 78; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	3.20 $\mu g/m^3$ (AM)	50th: 0.30 $\mu g/m^3$;	19.92 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in residential homes in spring (RIOPA Study) (n = 22; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	143 $\mu g/m^3$ (AM)	50th: 1.89 $\mu g/m^3$;	370 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in residential homes in summer (RIOPA Study) (n = 54; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	134 $\mu g/m^3$ (AM)	50th: 2.42 $\mu g/m^3$;	422 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in residential homes in fall (RIOPA Study) (n = 55; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	124 $\mu g/m^3$ (AM)	50th: 3.91 $\mu g/m^3$;	376 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in residential homes in winter (RIOPA Study) (n = 18; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	124 $\mu g/m^3$ (AM)	50th: 1.30 $\mu g/m^3$;	372 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in single-family house (RIOPA Study) (n = 81; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	128 $\mu g/m^3$ (AM)	50th: 1.89 $\mu g/m^3$;	412 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in multiple-family house or apartment (RIOPA Study) (n = 88; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	58.1 $\mu g/m^3$ (AM)	50th: 52.3 $\mu g/m^3$;	25.1 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air in mobile home or trailer (RIOPA Study) (n = 5; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	175 $\mu g/m^3$ (AM)	50th: 6.15 $\mu g/m^3$;	406 $\mu g/m^3$ (ASD)
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Five-day average; passive samples collecting during school day only from 5 classrooms of two inner city schools (SHIELD study) - winter (n = 39; DF = 0.875; Sampling Period: Jan., 2000 - Feb., 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.1 $\mu g/m^3$; 50th: 0.5 $\mu g/m^3$; 90th: 1.1 $\mu g/m^3$;	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
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Five-day average; passive samples collected during school day only from 5 classrooms of two inner city schools (SHIELD study)- spring (n = 47; DF = 0.857; Sampling Period: Apr., 2000 - May, 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.1 $\mu g/m^3$; 50th: 0.5 $\mu g/m^3$; 90th: 1.1 $\mu g/m^3$;	NR
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Two-day average; passive samples collected from inner city homes of children (SHIELD study) - winter (n = 93; DF = 0.828; Sampling Period: Jan., 2000 - Feb., 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.1 $\mu g/m^3$; 50th: 0.7 $\mu g/m^3$; 90th: 344.6 $\mu g/m^3$;	NR
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Two-day average; passive samples collected from inner city homes of children (SHIELD study) - spring (n = 88; DF = 0.899; Sampling Period: Apr., 2000 - May, 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.2 $\mu g/m^3$; 50th: 0.9 $\mu g/m^3$; 90th: 429.0 $\mu g/m^3$;	NR
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential indoor air near industrial facility (summer) (n = 25; DF = 1; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 15 pg LOQ: Not Reported	NR	NR	41.2 $\mu g/m^3$ (GM)	10th: 2.77 $\mu g/m^3$; 90th: 444 $\mu g/m^3$;	8.33 $\mu g/m^3$ (GSD)
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential indoor air near industrial facility (winter) (n = 21; DF = 0.86; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 15 pg LOQ: Not Reported	NR	NR	42.8 $\mu g/m^3$ (GM)	10th: 10.7 $\mu g/m^3$; 90th: 440 $\mu g/m^3$;	10.6 $\mu g/m^3$ (GSD)
Adgate et al. 2004 ***HERO ID:*** *700554* *OQD:* High	Minneapolis, St. Paul, Rice County, and Goodhue County, MN, US Scenario: 6-day average; passive indoor air samples from urban and nonurban homes (screening phase of Minnesota Children's Pesticide Exposure Study) (n = 284; DF = 0.88; Sampling Period: May, 1997 - Sept., 1997)	LOD: 0.2 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.8 $\mu g/m^3$ (AM)	L95thCI (AM): 0.7 $\mu g/m^3$; 25th: 0.3 $\mu g/m^3$; 50th: 0.5 $\mu g/m^3$; 75th: 0.9 $\mu g/m^3$; 95th: 3.4 $\mu g/m^3$; U95thCI (AM): 2.8 $\mu g/m^3$;	0.5 $\mu g/m^3$ (SE)
Adgate et al. 2004 ***HERO ID:*** *700554* *OQD:* High	Minneapolis, St. Paul, Rice County, and Goodhue County, MN, US Scenario: 6-day average; passive indoor air samples from urban and nonurban homes (intensive phase Minnesota Children's Pesticide Exposure Study) (n = 101; DF = 0.82; Sampling Period: May, 1997 - Sept., 1997)	LOD: 0.2 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.9 $\mu g/m^3$ (AM)	L95thCI (AM): 0.5 $\mu g/m^3$; 25th: 0.3 $\mu g/m^3$; 50th: 0.4 $\mu g/m^3$; 75th: 1.0 $\mu g/m^3$; 95th: 3.7 $\mu g/m^3$; U95thCI (AM): 1.3 $\mu g/m^3$;	0.2 $\mu g/m^3$ (SE)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Dodson et al. 2007 ***HERO ID:*** *1067092* *OQD:* Medium	Boston, MA, US Scenario: Indoor air from offices collected over two days during work hours only (approx. 16 hours) through active sampling in summer and/or winter (BEAM study) (n = 89; DF = 0.63; Sampling Period: 2007)	LOD: 0.237 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.1 $\mu g/m^3$ (AM)	50th: 0.27 $\mu g/m^3$; 95th: 5.6 $\mu g/m^3$;	2.8 $\mu g/m^3$ (ASD)
Dodson et al. 2007 ***HERO ID:*** *1067092* *OQD:* Medium	Boston, MA, US Scenario: Indoor air from schools over two days during work hours only (approx. 16 hours) through active sampling (BEAM study) (n = 89; DF = 0.43; Sampling Period: 2007)	LOD: 0.237 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.31 $\mu g/m^3$ (AM)	50th: 0.20 $\mu g/m^3$; 95th: 8.1 $\mu g/m^3$;	2.51 $\mu g/m^3$ (ASD)
Dodson et al. 2007 ***HERO ID:*** *1067092* *OQD:* Medium	Boston, MA, US Scenario: 48-hr actively collected indoor air samples from homes of 55 non-smokers during work week in summer and/or winter (BEAM study) (n = 89; DF = 0.63; Sampling Period: 2007)	LOD: 0.237 $\mu g/m^3$ LOQ: Not Reported	NR	NR	3.1 $\mu g/m^3$ (AM)	50th: 0.29 $\mu g/m^3$; 95th: 8.2 $\mu g/m^3$;	16 $\mu g/m^3$ (ASD)
Bessonneau et al. 2013 ***HERO ID:*** *1500965* *OQD:* High	Rennes, FR Scenario: Indoor air from all sites including the reception hall, a patient room, a nursing care, the parasitology-mycology laboratory, a post-anesthesia care unit (PACU), and the flexible endoscope disinfection unit in the hospital (n = 36; DF = 0.6; Sampling Period: Mar., 2012)	LOD: 0.1 ng LOQ: 0.3 ng	0.1 $\mu g/m^3$	1.1 $\mu g/m^3$	0.2 $\mu g/m^3$ (AM)	25th: 0.1 $\mu g/m^3$; 50th: 0.1 $\mu g/m^3$; 75th: 0.3 $\mu g/m^3$;	0.2 $\mu g/m^3$ (ASD)
Shin et al. 2012 ***HERO ID:*** *1787932* *OQD:* Uninformative	Daegu, Ulsan, and Youngcheon, KR Scenario: Indoor air in apartments in Korea - p-DCB (n = 107; DF = 0.84; Sampling Period: 2012)	LOD: 0.4 $\mu g/m^3$ LOQ: Not Reported	NR	NR	6.7 $\mu g/m^3$ (AM)	50th: 6.5 $\mu g/m^3$;	4.1 $\mu g/m^3$ (ASD)
Yoshida et al. 2006 ***HERO ID:*** *1949033* *OQD:* 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	0.75 $\mu g/m^3$	179 $\mu g/m^3$	NR	50th: 4.8 $\mu g/m^3$;	NR
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air portables June 2000 (n = 5; DF = 1; Sampling Period: Jun., 2000 - Jun., 2001)	LOD: 0.48 $\mu g/m^3$ LOQ: Not Reported	0.6 $\mu g/m^3$	1.8 $\mu g/m^3$	1.2 $\mu g/m^3$ (AM)	50th: 1.3 $\mu g/m^3$;	0.4 $\mu g/m^3$ (ASD)
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air portables June 2001 -weekly (n = 5; DF = 1; Sampling Period: Jun., 2001)	LOD: 0.29 $\mu g/m^3$ LOQ: Not Reported	0.3 $\mu g/m^3$	0.5 $\mu g/m^3$	0.4 $\mu g/m^3$ (AM)	50th: 0.4 $\mu g/m^3$;	0.1 $\mu g/m^3$ (ASD)
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air portables June 2001 -daily (n = 5; DF = 1; Sampling Period: Jun., 2001)	LOD: 0.74 $\mu g/m^3$ LOQ: Not Reported	0.2 $\mu g/m^3$	3.3 $\mu g/m^3$	0.9 $\mu g/m^3$ (AM)	50th: 0.4 $\mu g/m^3$;	1.2 $\mu g/m^3$ (ASD)
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air main buildings June 2000 (n = 3; DF = 1; Sampling Period: Jun., 2000)	LOD: 0.48 $\mu g/m^3$ LOQ: Not Reported	0.1 $\mu g/m^3$	1.2 $\mu g/m^3$	0.7 $\mu g/m^3$ (AM)	50th: 0.8 $\mu g/m^3$;	0.5 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air main buildings June 2001 -weekly (n = 3; DF = 1; Sampling Period: Jun., 2001)	LOD: 0.29 $\mu g/m^3$ LOQ: Not Reported	0.3 $\mu g/m^3$	2.2 $\mu g/m^3$	1.0 $\mu g/m^3$ (AM)	50th: 0.4 $\mu g/m^3$;	1.1 $\mu g/m^3$ (ASD)
Shendell et al. 2004 ***HERO ID:*** *1986334* *OQD:* High	Los Angeles, CA, US Scenario: Indoor air main buildings June 2001 -daily (n = 3; DF = 1; Sampling Period: Jun., 2001)	LOD: 0.74 $\mu g/m^3$ LOQ: Not Reported	0.3 $\mu g/m^3$	3.2 $\mu g/m^3$	1.4 $\mu g/m^3$ (AM)	50th: 0.7 $\mu g/m^3$;	1.6 $\mu g/m^3$ (ASD)
Shinohara et al. 2014 ***HERO ID:*** *2231518* *OQD:* High	Minamisoma City, Fukushima Prefecture, JP Scenario: Indoor air of temporary homes near Fukushima nuclear power plant following Great East Japan Earthquake - before occupation (n = 32; DF = <0.5; Sampling Period: Winter, 2012)	LOD: 0.0028 ppm LOQ: Not Reported	0 $\mu g/m^3$	83.8 $\mu g/m^3$	NR	25th: 0 $\mu g/m^3$; 50th: 0 $\mu g/m^3$; 75th: 38.0 $\mu g/m^3$;	NR
Shinohara et al. 2014 ***HERO ID:*** *2231518* *OQD:* High	Minamisoma City, Fukushima Prefecture, JP Scenario: Indoor air of temporary homes near Fukushima nuclear power plant following Great East Japan Earthquake - Jan 2012 (n = 32; DF = <0.5; Sampling Period: Jan., 2012)	LOD: 0.0028 ppm LOQ: Not Reported	0 $\mu g/m^3$	128.3 $\mu g/m^3$	NR	25th: 0 $\mu g/m^3$; 50th: 0 $\mu g/m^3$; 75th: 89.0 $\mu g/m^3$;	NR
Shinohara et al. 2014 ***HERO ID:*** *2231518* *OQD:* High	Minamisoma City, Fukushima Prefecture, JP Scenario: Indoor air of temporary homes near Fukushima nuclear power plant following Great East Japan Earthquake - April 2012 (n = 32; DF = 0.5; Sampling Period: Apr., 2012)	LOD: 0.0028 ppm LOQ: Not Reported	0 $\mu g/m^3$	429.3 $\mu g/m^3$	NR	25th: 0 $\mu g/m^3$; 50th: 10.5 $\mu g/m^3$; 75th: 180.6 $\mu g/m^3$;	NR
Shinohara et al. 2014 ***HERO ID:*** *2231518* *OQD:* High	Minamisoma City, Fukushima Prefecture, JP Scenario: Indoor air of temporary homes near Fukushima nuclear power plant following Great East Japan Earthquake - July 2012 (n = 32; DF = <0.5; Sampling Period: Jul., 2012)	LOD: 0.0028 ppm LOQ: Not Reported	0 $\mu g/m^3$	206.8 $\mu g/m^3$	NR	25th: 0 $\mu g/m^3$; 50th: 0 $\mu g/m^3$; 75th: 117.9 $\mu g/m^3$;	NR
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 10 department stores, winter (n = 5; DF = 1; Sampling Period: Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.71 $\mu g/m^3$	8.52 $\mu g/m^3$	1.45 $\mu g/m^3$ (GM)	NR	2.06 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 20 dining stores, winter (n = 20; DF = 0.93; Sampling Period: Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.16 $\mu g/m^3$	171 $\mu g/m^3$	1.45 $\mu g/m^3$ (GM)	L95thCI (AM): 0.63 $\mu g/m^3$; U95thCI (AM): 3.31 $\mu g/m^3$;	5.92 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 8 drug stores, summer (n = 7; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.59 $\mu g/m^3$	25 $\mu g/m^3$	5.83 $\mu g/m^3$ (GM)	NR	2.54 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 9 electronics stores, winter (n = 7; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.06 $\mu g/m^3$	3.13 $\mu g/m^3$	0.08 $\mu g/m^3$ (GM)	NR	872.51 $\mu g/m^3$ (CV)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 11 furniture stores, summer (n = 6; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.61 $\mu g/m^3$	1.91 $\mu g/m^3$	0.77 $\mu g/m^3$ (GM)	NR	0.86 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 16 grocery stores, summer (n = 16; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.56 $\mu g/m^3$	17.2 $\mu g/m^3$	2.73 $\mu g/m^3$ (GM)	NR	2.10 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 32 hardware stores, summer and winter (n = 23; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.05 $\mu g/m^3$	44.2 $\mu g/m^3$	3.69 $\mu g/m^3$ (GM)	NR	7.51 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 16 houseware stores, summer (n = 7; DF = 1; Sampling Period: Summer, 2003)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.99 $\mu g/m^3$	40.1 $\mu g/m^3$	8.83 $\mu g/m^3$ (GM)	NR	2.61 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 24 multipurpose stores, summer and winter (n = 43; DF = 1; Sampling Period: Summer, 2003 - Winter, 2005)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	1.34 $\mu g/m^3$	50.3 $\mu g/m^3$	6.75 $\mu g/m^3$ (GM)	NR	2.03 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 14 sporting goods stores, summer (n = 7; DF = 1; Sampling Period: Summer, 2003)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.77 $\mu g/m^3$	1.82 $\mu g/m^3$	1.12 $\mu g/m^3$ (GM)	NR	0.67 $\mu g/m^3$ (CV)
Loh et al. 2006 ***HERO ID:*** *2442846* *OQD:* High	Boston, MA, US Scenario: Indoor air from 5 transportation sites, summer and winter (n = 21; DF = 1; Sampling Period: Summer, 2003 - Winter, 2004)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.12 $\mu g/m^3$	7.51 $\mu g/m^3$	0.60 $\mu g/m^3$ (GM)	NR	2.50 $\mu g/m^3$ (CV)
Chan et al. 2014 ***HERO ID:*** *2535652* *OQD:* Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 8 grocery stores (n = 8; DF = 0.875; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.04 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.6 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2014 ***HERO ID:*** *2535652* *OQD:* Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 8 furniture/hardware stores (n = 8; DF = 0.625; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.04 $\mu g/m^3$ LOQ: Not Reported	NR	NR	4.0 $\mu g/m^3$ (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chan et al. 2014 ***HERO ID:*** *2535652* *OQD:* Medium	San Francisco Bay Area, Sacramento, Fresno, and Los Angeles, California, US Scenario: 1- to 2-day active samples from 5 apparel stores (n = 5; DF = 0.6; Sampling Period: Sept., 2011 - Mar., 2013)	LOD: 0.04 $\mu g/m^3$ LOQ: Not Reported	NR	NR	0.1 $\mu g/m^3$ (AM)	NR	NR
Zhong et al. 2017 ***HERO ID:*** *3839233* *OQD:* High	Ohio, Illinois, Michigan, and Indiana, US Scenario: Passive samples (one- to two-day sampling period) collected 0.6 m above floor in classroom or cafeteria of recently constructed or renovated schools (n = 144; DF = 0.15; Sampling Period: Oct., 2015 - Mar., 2016)	LOD: 0.03 $\mu g/m^3$ LOQ: Not Reported	NR	2.9 $\mu g/m^3$	0.1 $\mu g/m^3$ (AM)	50th: <LOD;	NR
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr sample collected in computer lab of school EP-A, located in area of lower traffic emissions (n = 12; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.04 $\mu g/m^3$	0.28 $\mu g/m^3$	0.10 $\mu g/m^3$ (AM)	50th: 0.10 $\mu g/m^3$;	0.07 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr sample collected in library of school EP-B, located in area of higher traffic emissions (n = 12; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.44 $\mu g/m^3$	1.80 $\mu g/m^3$	0.83 $\mu g/m^3$ (AM)	50th: 0.73 $\mu g/m^3$;	0.37 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr sample collected in library of school EP-C, located in area of higher traffic emissions (n = 12; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.32 $\mu g/m^3$	1.26 $\mu g/m^3$	0.74 $\mu g/m^3$ (AM)	50th: 0.81 $\mu g/m^3$;	0.33 $\mu g/m^3$ (ASD)
Raysoni et al. 2017 ***HERO ID:*** *4140593* *OQD:* High	El Paso, TX, US Scenario: Passive 96-hr sample collected in library of school EP-D, located in area of higher traffic emissions (n = 12; DF = NR; Sampling Period: Mar., 2010 - Jun., 2010)	LOD: 0.06 $\mu g/m^3$ LOQ: Not Reported	0.11 $\mu g/m^3$	0.68 $\mu g/m^3$	0.33 $\mu g/m^3$ (AM)	50th: 0.34 $\mu g/m^3$;	0.15 $\mu g/m^3$ (ASD)
Azuma et al. 2017 ***HERO ID:*** *4165387* *OQD:* Medium	Tokyo, Osaka, and Fukuota, JP Scenario: Indoor air samples from office buildings in winter (n = 6; DF = 0; Sampling Period: Winter, 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	<LOD	NR	NR
Azuma et al. 2017 ***HERO ID:*** *4165387* *OQD:* Medium	Tokyo, Osaka, and Fukuota, JP Scenario: Indoor air samples from office buildings in summer (n = 13; DF = 0; Sampling Period: Summer, 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	<LOD	NR	NR
Huang et al. 2018 ***HERO ID:*** *4914425* *OQD:* High	Haidian, Fengtai, Xicheng, Chaoyang, Shijingshan, and Changping districts of Beijing, CN Scenario: Indoor air of residential buildings (n = 27; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)	LOD: 0.01 $\mu g/m^3$ LOQ: Not Reported	0.24 $\mu g/m^3$	81.9 $\mu g/m^3$	2.4 $\mu g/m^3$ (GM)	NR	NR
Huang et al. 2019 ***HERO ID:*** *5431563* *OQD:* High	Xi'an, northwest China, CN Scenario: Indoor air of dwellings in northwest China (n = 44; DF = NR; Sampling Period: Nov., 2016 - Feb., 2017)	LOD: 0.1-0.158 ppbv LOQ: Not Reported	NR	NR	0.99 $\mu g/m^3$ (AM)	NR	1.15 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
NYIEQ et al. 2005 ***HERO ID:*** *7002239* *OQD:* Medium	Syracuse, NY, US Scenario: 24-hr low flow samples from 130 residential buildings (COMPILES project) (n = 130; DF = 0.15; Sampling Period: Dec., 2001 - Mar., 2003)	LOD: Not Reported LOQ: Not Reported	0.11 ppb	218.87 ppb	35.68 ppb (AM)	50th: 5.69 ppb;	NR
Heroux et al. 2008 ***HERO ID:*** *694700* *OQD:* Medium	Quebec City, CA Scenario: 7-day passive samples collected from living room of 96 dwellings with various characteristics (n = 96; DF = 0.61; Sampling Period: Jan., 2005 - Apr., 2005)	LOD: 0.2 $\mu g/m^3$ LOQ: Not Reported	<LOD	286.57 $\mu g/m^3$	0.58 $\mu g/m^3$ (GM)	50th: 0.36 $\mu g/m^3$;	8.10 $\mu g/m^3$ (GSD)
Chin et al. 2014 ***HERO ID:*** *2443355* *OQD:* High	Detroit, MI, US Scenario: 7-day passive samples collected from 126 homes with children with asthma (n = 325; DF = 0.98; Sampling Period: Mar., 2009 - Sept., 2010)	LOD: 0.02 $\mu g/m^3$ LOQ: Not Reported	<LOD	2125.94 $\mu g/m^3$	40.01 $\mu g/m^3$ (AM)	25th: 0.38 $\mu g/m^3$; 50th: 0.64 $\mu g/m^3$; 75th: 3.06 $\mu g/m^3$; 90th: 23.86 $\mu g/m^3$; 95th: 88.15 $\mu g/m^3$;	212.41 $\mu g/m^3$ (ASD)
Uchiyama et al. 2015 ***HERO ID:*** *2834618* *OQD:* Medium	Various locations, JP Scenario: Indoor air from living rooms in winter (n = 602; DF = NR; Sampling Period: Jan., 2012 - Mar., 2014)	LOD: Not Reported LOQ: Not Reported	NR	2100 $\mu g/m^3$	31 $\mu g/m^3$ (AM)	50th: 1.4 $\mu g/m^3$;	NR
Uchiyama et al. 2015 ***HERO ID:*** *2834618* *OQD:* Medium	Various locations, JP Scenario: Indoor air from living rooms in summer (n = 602; DF = NR; Sampling Period: Jul., 2012 - Sept., 2014)	LOD: Not Reported LOQ: Not Reported	NR	13000 $\mu g/m^3$	120 $\mu g/m^3$ (AM)	50th: 4.3 $\mu g/m^3$;	NR
Tanaka-Kagawa et al. 2005 ***HERO ID:*** *4912389* *OQD:* Medium	Iwate Prefecture;Yamanashi Prefecture;Shiga Prefecture;Hyogo Prefecture;Kochi Prefecture;Fukuoka Prefecture, JP Scenario: Indoor air from homes in various prefectures in Japan (n = 50; DF = 0.98; Sampling Period: Jan., 2005 - Feb., 2005)	LOD: Not Reported LOQ: Not Reported	0 $\mu g/m^3$	360 $\mu g/m^3$	25 $\mu g/m^3$ (AM)	50th: 2.0 $\mu g/m^3$;	NR
Hanazato et al. 2018 ***HERO ID:*** *5344296* *OQD:* Medium	Chiba Prefecture, JP Scenario: Indoor air in workspaces in early winter (n = 3; DF = 0; Sampling Period: Dec., 2013)	LOD: Not Reported LOQ: 1.0 $\mu g/m^3$	NR	NR	ND	NR	NR
Hanazato et al. 2018 ***HERO ID:*** *5344296* *OQD:* Medium	Chiba Prefecture, JP Scenario: Indoor air in workspaces in late winter (n = 3; DF = 0; Sampling Period: Feb., 2014)	LOD: Not Reported LOQ: 1.0 $\mu g/m^3$	NR	NR	ND	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Li et al. 2019 ***HERO ID:*** *5736601* *OQD:* High	Quebec, Ontario, British Columbia, Atlantic, and Prairie Provinces, CA Scenario: 7-day passive samples collected from living rooms in 16 homes in Canadian Health Measures Survey (n = 3524; DF = 0.95; Sampling Period: Jan., 2012 - Dec., 2013)	LOD: 0.02 $\mu g/m^3$ LOQ: Not Reported	NR	NR	3.59 $\mu g/m^3$ (AM); 0.17 $\mu g/m^3$ (GM)	L95thCI (AM): 2.59 $\mu g/m^3$; L95thCI (GM): 0.16 $\mu g/m^3$; 1st: 0.01 $\mu g/m^3$; 5th: 0.01 $\mu g/m^3$; 10th: 0.03 $\mu g/m^3$; 25th: 0.06 $\mu g/m^3$; 50th: 0.12 $\mu g/m^3$; 75th: 0.38 $\mu g/m^3$; 99th: 68.3 $\mu g/m^3$; 95th: 4.92 $\mu g/m^3$; U95thCI (AM): 4.60 $\mu g/m^3$; U95thCI (GM): 0.18 $\mu g/m^3$;	NR

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

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sabel et al. 1984 ***HERO ID:*** *724484* *OQD:* Medium	Minnesota, US Scenario: Leachates from municipal solid waste landfill leachate collection systems (n = 6; DF = 0.5; Sampling Period: 1984)	LOD: Not Reported LOQ: Not Reported	7.7 µg/L	16 µg/L	NR	NR	NR
Yasuhara et al. 1995 ***HERO ID:*** *5469470* *OQD:* Low	Central Japan, JP Scenario: Leachates from 4 controlled hazardous waste landfills (n = 4; DF = 0.25; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [2.6 mg/mL; <LOD; <LOD; <LOD]				
Yasuhara et al. 1995 ***HERO ID:*** *5469470* *OQD:* Low	North East Japan, JP Scenario: Leachate from single open hazardous waste landfill (n = 1; DF = 0; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Yasuhara et al. 1999 ***HERO ID:*** *659131* *OQD:* Medium	Not Reported, JP Scenario: Landfill leachate from hazardous waste disposal sites (n = 11; DF = 0.82; Sampling Period: 1995)	LOD: Not Reported LOQ: 2-15 ng/L	NR	1810 ng/L	NR	50th: 40 ng/L;	NR

Table 7: Data Extraction Tables of Exposure Monitoring Studies for Personal Inhalation

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Pellizzari et al. 1999 ***HERO ID:*** *5471* *OQD:* Medium	MN, WI, MI, IL, IN, and OH, US Scenario: Passive badge samples over 144 hrs from children in EPA Region V (n = 63; DF = NR; Sampling Period: Jul., 1995 - May, 1997)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.6 $\mu g/m^3$ (AM)	50th: <LOD;	1.52 $\mu g/m^3$ (SE)
Pellizzari et al. 1999 ***HERO ID:*** *5471* *OQD:* Medium	MN, WI, MI, IL, IN, and OH, US Scenario: Passive badge samples over 144 hrs from adults in EPA Region V (n = 313; DF = NR; Sampling Period: Jul., 1995 - May, 1997)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.8 $\mu g/m^3$ (AM)	50th: 0.87 $\mu g/m^3$;	0.13 $\mu g/m^3$ (SE)
Sax et al. 2006 ***HERO ID:*** *156950** *OQD:* High	New York City, NY, US Scenario: 48-hr active samples from 41 non-smoking teens during workweek (TEACH study) (n = 41; DF = 1; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: Not Reported LOQ: Not Reported	2.05 $\mu g/m^3$	313 $\mu g/m^3$	41.7 $\mu g/m^3$ (AM)	50th: 9.68 $\mu g/m^3$;	72.5 $\mu g/m^3$ (ASD)
Sax et al. 2006 ***HERO ID:*** *156950** *OQD:* High	Los Angeles, CA, US Scenario: 48-hr active samples from 40 non-smoking teens during workweek (TEACH study) (n = 40; DF = 0.93; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: Not Reported LOQ: Not Reported	1.03 $\mu g/m^3$	341 $\mu g/m^3$	36.6 $\mu g/m^3$ (AM)	50th: 5.27 $\mu g/m^3$;	72.8 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Elizabeth, NJ; Houston, TX; Los Angeles, CA, US Scenario: 48-hr passive sampling of non-smoking adults (RIOPA Study) (n = 545; DF = 0.635; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.83 $\mu g/m^3$ LOQ: Not Reported	NR	NR	56.7 $\mu g/m^3$ (AM)	1st: 0.18 $\mu g/m^3$; 5th: 0.35 $\mu g/m^3$; 50th: 1.88 $\mu g/m^3$; 99th: 1480 $\mu g/m^3$; 95th: 314 $\mu g/m^3$;	229 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Elizabeth, NJ; Houston, TX; Los Angeles, CA, US Scenario: 48-hr passive sampling of children (RIOPA Study) (n = 209; DF = 0.761; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.83 $\mu g/m^3$ LOQ: Not Reported	NR	NR	122 $\mu g/m^3$ (AM)	1st: 0.27 $\mu g/m^3$; 5th: 0.44 $\mu g/m^3$; 50th: 4.18 $\mu g/m^3$; 99th: 1460 $\mu g/m^3$; 95th: 979 $\mu g/m^3$;	314 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Personal air in residential homes (RIOPA Study) (n = 175; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	177 $\mu g/m^3$ (AM)	50th: 10.2 $\mu g/m^3$;	369 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Personal air in residential homes in spring (RIOPA Study) (n = 22; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	134 $\mu g/m^3$ (AM)	50th: 2.80 $\mu g/m^3$;	348 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Personal air in residential homes in summer (n = 55; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	15.6 $\mu g/m^3$ (AM)	50th: 1.88 $\mu g/m^3$;	49.8 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Personal air in residential homes in fall (RIOPA Study) (n = 53; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	127 $\mu g/m^3$ (AM)	50th: 5.43 $\mu g/m^3$;	396 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Los Angeles, CA, US Scenario: Personal air in residential homes in winter (RIOPA Study) (n = 18; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	88.5 $\mu g/m^3$ (AM)	50th: 1.83 $\mu g/m^3$;	267 $\mu g/m^3$ (ASD)
Weisel et al. 2005 ***HERO ID:*** *157131* *OQD:* High	Elizabeth, NJ, US Scenario: Personal air in residential homes in summer (RIOPA Study) (n = 51; DF = NR; Sampling Period: May, 1999 - Feb., 2001)	LOD: 0.75; 0.91 $\mu g/m^3$ LOQ: Not Reported	NR	NR	122 $\mu g/m^3$ (AM)	50th: 3.61 $\mu g/m^3$;	361 $\mu g/m^3$ (ASD)
Jia et al. 2008 ***HERO ID:*** *484177* *OQD:* Medium	Nationally representative, US Scenario: Adult subsample of NHANES 1999-2000 survey, collected by badge type passive monitors for 48 to 72 hrs (weighted data) (n = 641; DF = 0.629; Sampling Period: 1999 - 2000)	LOD: 0.43 $\mu g/m^3$ LOQ: Not Reported	0.3 $\mu g/m^3$	2235.6 $\mu g/m^3$	27.3 $\mu g/m^3$ (AM); 3.2 $\mu g/m^3$ (GM)	25th: 0.9 $\mu g/m^3$; 50th: 1.7 $\mu g/m^3$; 75th: 9.2 $\mu g/m^3$; 99th: 490.8 $\mu g/m^3$; 95th: 142.1 $\mu g/m^3$;	120.7 $\mu g/m^3$ (ASD) 5.7 $\mu g/m^3$ (GSD)
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Two-day average; passive samples collected continuously from breathing zone of children in inner-city (SHIELD study) - Winter (n = 93; DF = 0.925; Sampling Period: Jan., 2000 - Feb., 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.2 $\mu g/m^3$; 50th: 1.0 $\mu g/m^3$; 90th: 167.2 $\mu g/m^3$;	NR
Adgate et al. 2004 ***HERO ID:*** *632310* *OQD:* Medium	Minneapolis, MN, US Scenario: Two-day average; passive samples collected continuously from breathing zone of children in inner-city (SHIELD study) - Spring (n = 88; DF = 0.932; Sampling Period: Apr., 2000 - May, 2000)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 0.2 $\mu g/m^3$; 50th: 1.3 $\mu g/m^3$; 90th: 87.2 $\mu g/m^3$;	NR
Adgate et al. 2004 ***HERO ID:*** *700554* *OQD:* High	Minneapolis, St. Paul, Rice County, and Goodhue County, MN, US Scenario: 6-day average; passive personal air samples from children living in urban and nonurban homes (intensive phase Minnesota Children's Pesticide Exposure Study) (n = 73; DF = 0.96; Sampling Period: May, 1997 - Sept., 1997)	LOD: 0.2 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.4 $\mu g/m^3$ (AM)	L95thCI (AM): 0.8 $\mu g/m^3$; 25th: 0.3 $\mu g/m^3$; 50th: 0.7 $\mu g/m^3$; 75th: 1.2 $\mu g/m^3$; 95th: 3.9 $\mu g/m^3$; U95thCI (AM): 2.0 $\mu g/m^3$;	0.3 $\mu g/m^3$ (SE)
Dodson et al. 2007 ***HERO ID:*** *1067092* *OQD:* Medium	Boston, MA, US Scenario: 48-hr actively collected personal inhalation samples from 55 non-smoking teachers and office workers during work week in summer and/or winter (BEAM study) (n = 89; DF = 0.80; Sampling Period: 2007)	LOD: 0.237 $\mu g/m^3$ LOQ: Not Reported	NR	NR	3.4 $\mu g/m^3$ (AM)	50th: 0.54 $\mu g/m^3$; 95th: 8.1 $\mu g/m^3$;	14 $\mu g/m^3$ (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Shin et al. 2015 ***HERO ID:*** *2845868* *OQD:* Medium	Detroit, MI, US Scenario: 24-hr passive samples from 63 participants living in non-smoking homes (DEARS study) (n = 239; DF = NR; Sampling Period: Winter, 2005 - Winter, 2007)	LOD: Not Reported LOQ: Not Reported	0.19 $\mu g/m^3$	357.04 $\mu g/m^3$	19.01 $\mu g/m^3$ (AM)	25th: 1.05 $\mu g/m^3$; 50th: 1.75 $\mu g/m^3$; 75th: 5.05 $\mu g/m^3$;	48.19 $\mu g/m^3$ (ASD)
Heavner et al. 1996 ***HERO ID:*** *5544873* *OQD:* Medium	Philadelphia, PA, US Scenario: Personal air from nonsmoking home (n = 61; DF = >0.5; Sampling Period: Nov., 1992)	LOD: Not Reported LOQ: Not Reported	0.00 $\mu g/m^3$	121.86 $\mu g/m^3$	5.18 $\mu g/m^3$ (AM)	50th: 0.58 $\mu g/m^3$;	17.13 $\mu g/m^3$ (ASD)
Heavner et al. 1996 ***HERO ID:*** *5544873* *OQD:* Medium	Philadelphia, PA, US Scenario: Personal air from smoking home (n = 32; DF = >0.5; Sampling Period: Nov., 1992)	LOD: Not Reported LOQ: Not Reported	0.00 $\mu g/m^3$	302.28 $\mu g/m^3$	16.77 $\mu g/m^3$ (AM)	50th: 0.91 $\mu g/m^3$;	58.18 $\mu g/m^3$ (ASD)
Heavner et al. 1996 ***HERO ID:*** *5544873* *OQD:* Medium	Philadelphia, PA, US Scenario: Personal air from nonsmoking workplace (n = 51; DF = >0.5; Sampling Period: Nov., 1992)	LOD: Not Reported LOQ: Not Reported	0.00 $\mu g/m^3$	23.44 $\mu g/m^3$	1.46 $\mu g/m^3$ (AM)	50th: 0.55 $\mu g/m^3$;	3.35 $\mu g/m^3$ (ASD)
Heavner et al. 1996 ***HERO ID:*** *5544873* *OQD:* Medium	Philadelphia, PA, US Scenario: Personal air from smoking workplace (n = 29; DF = 1; Sampling Period: Nov., 1992)	LOD: Not Reported LOQ: Not Reported	0.25 $\mu g/m^3$	136.00 $\mu g/m^3$	10.73 $\mu g/m^3$ (AM)	50th: 1.08 $\mu g/m^3$;	27.84 $\mu g/m^3$ (ASD)
Heavner et al. 1995 ***HERO ID:*** *22045* *OQD:* Medium	Columbus, OH, US Scenario: 3-hr active samples collected in nonsmoking homes (n = 24; DF = >0.5; Sampling Period: Feb., 1991)	LOD: Not Reported LOQ: Not Reported	0.0 $\mu g/m^3$	25.39 $\mu g/m^3$	3.45 $\mu g/m^3$ (AM)	50th: 0.3 $\mu g/m^3$;	6.5 $\mu g/m^3$ (ASD)
Heavner et al. 1995 ***HERO ID:*** *22045* *OQD:* Medium	Columbus, OH, US Scenario: 3-hr active samples collected in smoking homes (n = 25; DF = >0.5; Sampling Period: Feb., 1991)	LOD: Not Reported LOQ: Not Reported	0.0 $\mu g/m^3$	116.23 $\mu g/m^3$	10.22 $\mu g/m^3$ (AM)	50th: 0.16 $\mu g/m^3$;	30.24 $\mu g/m^3$ (ASD)

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

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Midland, Michigan, US Scenario: Sediments from Pine River (n = 3; DF = NR; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	0.49 ng/g	18.49 ng/g	6.60 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Midland, Michigan, US Scenario: Sediments from Upper Tittabawasse River (n = 1; DF = 1; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	POINT VALUE(S): [21.63 ng/g]				
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Midland, Michigan, US Scenario: Sediments from the Tittabawasse River (n = 18; DF = 1; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	0.54 ng/g	50.97 ng/g	23.99 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Michigan, US Scenario: Sediments from the Shiawassee River (n = 28; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	0.36 ng/g	0.03 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Saginaw and Bay City, Michigan, US Scenario: Sediments from the Saginaw River (n = 20; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	8.43 ng/g	1.11 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Bay City, Michigan, US Scenario: Sediments from the Saginaw Bay (n = 5; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	10.78 ng/g	2.21 ng/g (AM)	NR	NR
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 = 0.30; Sampling Period: Apr., 2013 - Oct., 2014)	LOD: 33.0 µg/kg LOQ: Not Reported	NR	1160 µg/kg	NR	50th: <RL µg/kg;	NR
Prytula et al. 1996 ***HERO ID:*** *5237439* *OQD:* Medium	Lake Charles, LA, US Scenario: Sediment from an estuary in an industrial area (n = 3; DF = NR; Sampling Period: Apr., 1993 - Mar., 1994)	LOD: 0.2 mg/kg LOQ: Not Reported	NR	NR	9.5 mg/kg (AM)	NR	0.5 mg/kg (ASD)
Coiner et al. 2010 ***HERO ID:*** *5676787* *OQD:* High	Fort Riley, KS, US Scenario: Streambed sediment from downstream munitions firing points (n = 19; DF = 0; Sampling Period: Jun., 2007 - Jun., 2008)	LOD: 1465.0 µg/kg LOQ: Not Reported	NR	NR	<MRL ug/kg (AM)	NR	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: 27.6 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: 27.6 µg/kg LOQ: Not Reported	NR	NR	ND	NR	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Jang et al. 2001 ***HERO ID:*** *789748* *OQD:* Medium	Florida, US Scenario: Recovered soil fines from all sites (Trip 1, 2, 4, and 5 combined) (n = 43; DF = 0; Sampling Period: 2001)	LOD: 5 μg/kg LOQ: Not Reported	NR	NR	ND	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Midland, Michigan, US Scenario: Soil from upper tributaries of the Tittawassee River (n = 3; DF = 1; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	POINT VALUE(S): [25.10 ng/g; 1.34 ng/g; 27.89 ng/g]				
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Midland, Michigan, US Scenario: Soil from the Tittabawassee River (n = 6; DF = 1; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	16.14 ng/g	30.84 ng/g	22.38 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Michigan, US Scenario: Soil from the Shiawassee river (n = 10; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	0.74 ng/g	0.12 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Saginaw and Bay City, Michigan, US Scenario: Soil from the Saginaw river (n = 13; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	0.87 ng/g	0.27 ng/g (AM)	NR	NR
Yun et al. 2011 ***HERO ID:*** *1002163* *OQD:* Low	Saginaw and Bay City, Michigan, US Scenario: Soil from the Saginaw Bay (n = 6; DF = NR; Sampling Period: Oct., 2004 - Nov., 2004)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	11.82 ng/g	2.48 ng/g (AM)	NR	NR
MartÃ et al. 2014 ***HERO ID:*** *2517712* *OQD:* Medium	Barcelona, ES Scenario: Soil gas outside closed landfill (Scenario RH4 & 6 - future residential and industrial/commercial spaces) (n = 4; DF = NR; Sampling Period: Jun., 2012)	LOD: 0.001-10 ng LOQ: Not Reported	NR	NR	0.02 $\mu g/m^3$ (AM)	NR	0.01 $\mu g/m^3$ (ASD)
MartÃ et al. 2014 ***HERO ID:*** *2517712* *OQD:* Medium	Barcelona, ES Scenario: Soil gas outside closed landfill (Scenario RH5 - future kindergarten) (n = 3; DF = NR; Sampling Period: Jun., 2012)	LOD: 0.001-10 ng LOQ: Not Reported	NR	NR	0.05 $\mu g/m^3$ (AM)	NR	ND ug/m^3 (ASD)
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil west of automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	0.13 mg/kg (AM)	NR	0.02 mg/kg (SE)
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil south of automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	0.31 mg/kg (AM)	NR	0.08 mg/kg (SE)
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil north of automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	0.15 mg/kg (AM)	NR	0.07 mg/kg (SE)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil east of automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	0.30 mg/kg (AM)	NR	0.11 mg/kg (SE)
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil central to automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	1.20 mg/kg (AM)	NR	0.60 mg/kg (SE)
Ibeto et al. 2019 ***HERO ID:*** *5119775* *OQD:* Medium	Awka, South Eastern, NG Scenario: Dry season soil 500m from automobile workshop village (n = 4; DF = NR; Sampling Period: Feb., 2017)	LOD: 0.001 mg/L LOQ: Not Reported	NR	NR	ND	NR	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Chen et al. 1995 ***HERO ID:*** *659873* *OQD:* Medium	Orange County, Florida, US Scenario: Surface water from Wide Cyprus Swamp near a landfill (n = 12; DF = 0.5; Sampling Period: 1989 - 1993)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.13 µg/L; 0.1 µg/L; 0.04 µg/L; 0.08 µg/L; 0.08 µg/L; 0.05 µg/L; ND; ND; ND; ND; ND; ND]				
Deleon et al. 1986 ***HERO ID:*** *1267509* *OQD:* Medium	Lake Itasca, MN, US Scenario: Surface water from Lake Itasca (n = 1; DF = 0; Sampling Period: 1986)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND]				
Deleon et al. 1986 ***HERO ID:*** *1267509* *OQD:* Medium	Cario, IL, US Scenario: Surface water from Cario, IL (n = 1; DF = NR; Sampling Period: 1986)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1 ng/L]				
Deleon et al. 1986 ***HERO ID:*** *1267509* *OQD:* Medium	Memphis, TN, US Scenario: Surface water from Memphis, TN (n = 1; DF = NR; Sampling Period: 1986)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [5 ng/L]				
Deleon et al. 1986 ***HERO ID:*** *1267509* *OQD:* Medium	New Orleans, LA, US Scenario: Surface water from New Orleans (n = 1; DF = 0; Sampling Period: 1986)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [ND]				
Kolpin et al. 2002 ***HERO ID:*** *3353787* *OQD:* Medium	30 states, US Scenario: 139 streams in areas susceptible to contamination from human, industrial, and agricultural wastewater (n = 85; DF = 0.259; Sampling Period: 1999 - 2000)	LOD: 0.03 µg/L LOQ: Not Reported	NR	4.3 µg/L	NR	50th: 0.09 µg/L;	NR
Ellis et al. 2007 ***HERO ID:*** *3544475* *OQD:* Medium	Birmingham, GB Scenario: River Tame surface water downstream the Birmingham Triassic sandstone aquifer effluent (n = 35; DF = 0.089; Sampling Period: 2001)	LOD: 0.1 µg/L LOQ: Not Reported	NR	0.61 µg/L	0.05 µg/L (AM)	NR	NR
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 = 0.19; Sampling Period: Apr., 2013 - Oct., 2014)	LOD: 0.08 µg/L LOQ: Not Reported	NR	0.292 µg/L	NR	NR	NR
Prytula et al. 1996 ***HERO ID:*** *5237439* *OQD:* Medium	Lake Charles, LA, US Scenario: Surface water from an estuary in an industrial area (n = 3; DF = NR; Sampling Period: Apr., 1993 - Mar., 1994)	LOD: 0.2 µg/L LOQ: Not Reported	NR	NR	67.1 µg/L (AM)	NR	4.4 µg/L (ASD)
Bigsby et al. 1989 ***HERO ID:*** *5449639* *OQD:* Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Surface water from Smokey Hill River (n = 3; DF = 0; Sampling Period: Sept., 1988)	LOD: 0.5 µg/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Coiner et al. 2010 ***HERO ID:*** *5676787* *OQD:* High	Fort Riley, KS, US Scenario: Streambed water from downstream munitions firing points (n = 8; DF = 0; Sampling Period: Jun., 2007 - Jun., 2008)	LOD: 11.75 µg/L LOQ: Not Reported	NR	NR	<MRL ug/L (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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
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 Forgotten Canyon, a side canyon of Lake Powell (n = 16; 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
MartÃ et al. 2011 ***HERO ID:*** *1002160* *OQD:* High	Communidad Valenciana region, ES Scenario: Surface water from coastal waterbodies (n = 160; DF = 0.08; Sampling Period: Jul., 2008 - May, 2009)	LOD: 0.01 mg/L LOQ: Not Reported	<LOD	0.05 mg/L	NR	50th: <LOD;	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bentzen et al. 2008 ***HERO ID:*** *2153818* *OQD:* Medium	Barrow, AK; Endicott Island, AK; Kaktovik, AK, US Scenario: Adipose tissue in Alaskan polar bears (wet weight) (n = 57; DF = NR; Sampling Period: Mar., 2003 - May, 2003)	LOD: 0.1 ng/g LOQ: Not Reported	<LOD	207 ng/g	35 ng/g (AM)	NR	42.5 ng/g (ASD)
Bentzen et al. 2008 ***HERO ID:*** *2153818* *OQD:* Medium	Barrow, AK; Endicott Island, AK; Kaktovik, AK, US Scenario: Adipose tissue in Alaskan polar bears (lipid weight) (n = 57; DF = NR; Sampling Period: Mar., 2003 - May, 2003)	LOD: 0.1 ng/g LOQ: Not Reported	<LOD	423 ng/g	44 ng/g (AM)	NR	92.6 ng/g (ASD)
Bentzen et al. 2008 ***HERO ID:*** *2153818* *OQD:* Medium	Barrow, AK; Endicott Island, AK; Kaktovik, AK, US Scenario: Whole blood samples from Alaskan polar bears (n = 46; DF = NR; Sampling Period: Mar., 2003 - May, 2003)	LOD: 0.1 ng/g LOQ: Not Reported	<LOD	38 ng/g	2 ng/g (AM)	NR	5.9 ng/g (ASD)

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Skyway in Burlington - influent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	73 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Highland Creek in Metropolitan Toronto - influent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	133 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Skyway in Burlington - effluent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	82 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Highland Creek in Metropolitan Toronto - effluent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	155 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Skyway in Burlington - grit chamber (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	59 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater off-gas from Highland Creek in Metropolitan Toronto - grit chamber (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	67 $\mu g/m^3$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Skyway in Burlington - influent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.2 $\mu g/L$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Highland Creek in Metropolitan Toronto - influent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.6 $\mu g/L$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Skyway in Burlington - effluent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.6 $\mu g/L$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Highland Creek in Metropolitan Toronto - effluent (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	1.6 $\mu g/L$ (AM)	NR	NR

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Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Skyway in Burlington - grit chamber (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	3.4 $\mu g/L$ (AM)	NR	NR
Bell et al. 1993 ***HERO ID:*** *658661* *OQD:* Medium	Ontario, CA Scenario: Wastewater from Highland Creek in Metropolitan Toronto - grit chamber (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 $\mu g/m^3$ LOQ: Not Reported	NR	NR	4.5 $\mu g/L$ (AM)	NR	NR
Stubin et al. 1996 ***HERO ID:*** *658797* *OQD:* Medium	New York City, NY, US Scenario: Effluent from 14 wastewater treatment plants - 1,4-DCB (n = 84; DF = 0.01; Sampling Period: 1989 - 1993)	LOD: Not Reported LOQ: Not Reported	ND	3 $\mu g/L$	NR	NR	NR
PaxÃ©us et al. 1992 ***HERO ID:*** *667025* *OQD:* Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1989 (n = 4; DF = <1; Sampling Period: 1989)	LOD: Not Reported LOQ: Not Reported	0 $\mu g/L$	0.5 $\mu g/L$	0.1 $\mu g/L$ (AM)	NR	NR
PaxÃ©us et al. 1992 ***HERO ID:*** *667025* *OQD:* Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1990 (n = 4; DF = 0; Sampling Period: 1990)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
PaxÃ©us et al. 1992 ***HERO ID:*** *667025* *OQD:* Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1991 (n = 8; DF = 0; Sampling Period: 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
PaxÃ©us et al. 1992 ***HERO ID:*** *667025* *OQD:* Medium	Goteborg, SE Scenario: Effluent wastewater from Goteborg Regional Sewage Works, 1989-1991 (n = 7; DF = 0; Sampling Period: 1989 - 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Imhoff tank effluent from primary treatment of domestic WWTP (n = 3; DF = 1; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.2 $\mu g/L$ (AM)	NR	NR
Keefe et al. 2004 ***HERO ID:*** *3566693* *OQD:* Medium	Maricopa County, AZ, US Scenario: Outlet (H1) of Tres Demonstration Wetlands which processes municipal effluent from a WWTP (n = 1; DF = 1; Sampling Period: Feb., 2000)	LOD: 0.05 $\mu g/L$ LOQ: Not Reported	POINT VALUE(S): [0.26 $\mu g/L$]				
Sauer et al. 1996 ***HERO ID:*** *5095439* *OQD:* Medium	Oneida, Portage, Columbia, and Waukesha counties in WI, US Scenario: Septic tank effluent from four motor vehicle service stations in rural area. (n = 58; DF = 0.19; Sampling Period: Jul., 1991 - Aug., 1992)	LOD: Not Reported LOQ: Not Reported	10 $\mu g/L$	90 $\mu g/L$	15 $\mu g/L$ (AM)	NR	31 $\mu g/L$ (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
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential effluent from onsite anaerobic septic tanks (Fall and spring) (n = 30; DF = 0.13; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	2.1 µg/L	NR	50th: <RL µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Nonresidential effluent from onsite anaerobic septic tanks (Fall and Spring) (n = 34; DF = 0.35; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	59 µg/L	NR	50th: <RL µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential and nonresidential effluent from aerobic biofilter based onsite treatment or underground wetlands (Fall and Spring) (n = 26; DF = 0.08; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	0.89 µg/L	NR	50th: <RL µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential effluent from onsite anaerobic septic tanks (Spring) (n = 30; DF = 0.13; Sampling Period: Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: 1.2 µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Nonresidential effluent from onsite anaerobic septic tanks (Spring) (n = 34; DF = 0.35; Sampling Period: Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: 7.0 µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential and nonresidential effluent from aerobic biofilter based onsite treatment or underground wetlands (Spring) (n = 26; DF = 0.08; Sampling Period: Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: 0.82 µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential effluent from onsite anaerobic septic tanks (Fall) (n = 30; DF = 0.13; Sampling Period: Fall, 2003)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: <RL µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Nonresidential effluent from onsite anaerobic septic tanks (Fall) (n = 34; DF = 0.35; Sampling Period: Fall, 2003)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: <RL µg/L;	NR
Conn et al. 2006 ***HERO ID:*** *5244909* *OQD:* Medium	Summit and Jefferson Counties, CO, US Scenario: Residential and nonresidential effluent from aerobic biofilter based onsite treatment or underground wetlands (Fall) (n = 26; DF = 0.08; Sampling Period: Fall, 2003)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	NR	50th: <RL µg/L;	NR

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Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
MartÃ et al. 2011 ***HERO ID:*** *1002160* *OQD:* High	Communidad Valenciana region, ES Scenario: Treated wastewater effluent from WWTPs (n = 84; DF = 0.29; Sampling Period: Mar., 2008 - Nov., 2008)	LOD: 0.01 mg/L LOQ: Not Reported	<LOD	2.5 mg/L	NR	50th: <LOD;	NR
Kinney et al. 2010 ***HERO ID:*** *5428395* *OQD:* Medium	Midwest and Northwest, US Scenario: Biosolids at Site 2 (n = 3; DF = 0; Sampling Period: Apr., 2005)	LOD: 27.6 ng/g LOQ: Not Reported	NR	NR	ND	NR	NR

Table 13: Data Extraction Tables of Exposure Experimental Studies for Building Materials

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wallace et al. 1987 ***HERO ID:*** *23126* *OQD:* Medium	Boston, MA, and New Haven, CT, US (Author Affiliation) Scenario: Measured emitted concentration, chemical 2, painted sheetrock (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Wallace et al. 1987 ***HERO ID:*** *23126* *OQD:* Medium	Boston, MA, and New Haven, CT, US (Author Affiliation) Scenario: Measured emitted concentration, chemical 2, sheetrock and glued wallpaper (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Wallace et al. 1987 ***HERO ID:*** *23126* *OQD:* Medium	Boston, MA, and New Haven, CT, US (Author Affiliation) Scenario: Measured emitted concentration, chemical 2, wood panels and glued carpet (n = 3; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	3.5 $\mu g/m^3$ (AM)	NR	1.2 $\mu g/m^3$ (ASD)
Kim et al. 2007 ***HERO ID:*** *1512515* *OQD:* Medium	KR (Product source) Scenario: Measured emission factor for flooring with MF adhesive and beech veneer, 20 L chamber, Day 1 (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.000 μg/m2/h]				
Kim et al. 2007 ***HERO ID:*** *1512515* *OQD:* Medium	KR (Product source) Scenario: Measured emission factor for flooring with MF adhesive and beech veneer, 20 L chamber, Day 3 (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.000 μg/m2/h]				
Kim et al. 2007 ***HERO ID:*** *1512515* *OQD:* Medium	KR (Product source) Scenario: Measured emission factor for flooring with MF adhesive and beech veneer, 20 L chamber, Day 5 (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.000 μg/m2/h]				
Kim et al. 2007 ***HERO ID:*** *1512515* *OQD:* Medium	KR (Product source) Scenario: Measured emission factor for flooring with MF adhesive and beech veneer, 20 L chamber, Day 7 (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.000 μg/m2/h]				

Table 14: Data Extraction Tables of Exposure Experimental Studies for Other

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Backer et al. 1997 ***HERO ID:*** *84729* *OQD:* Medium	Fairbanks, AK, US (Testing Location) Scenario: Measured blood concentrations before pumping regular gasoline (n = 26; DF = <1)	LOD: 0.040 ppb LOQ: Not Reported	<LOD	7.10 ppb	NR	50th: 0.04 ppb;	NR
Backer et al. 1997 ***HERO ID:*** *84729* *OQD:* Medium	Fairbanks, AK, US (Testing Location) Scenario: Measured blood concentrations after pumping regular gasoline (n = 26; DF = <1)	LOD: 0.040 ppb LOQ: Not Reported	<LOD	6.40 ppb	NR	50th: 0.02 ppb;	NR
Backer et al. 1997 ***HERO ID:*** *84729* *OQD:* Medium	Fairbanks, AK, US (Testing Location) Scenario: Measured blood concentrations before pumping ethanol blend gasoline (n = 22; DF = <1)	LOD: 0.040 ppb LOQ: Not Reported	<LOD	2.00 ppb	NR	50th: 0.04 ppb;	NR
Backer et al. 1997 ***HERO ID:*** *84729* *OQD:* Medium	Fairbanks, AK, US (Testing Location) Scenario: Measured blood concentrations after pumping ethanol blend gasoline (n = 22; DF = <1)	LOD: 0.040 ppb LOQ: Not Reported	<LOD	2.00 ppb	NR	50th: 0.03 ppb;	NR
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted unseeded mixed paper (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [79 μg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted seeded mixed paper (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [175 μg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted unseeded yard wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [8 μg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted seeded yard wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [315 μg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted unseeded food wastes (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 μg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted seeded food wastes (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 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
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted mixed paper and yard wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [192 µg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted mixed paper and food wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [116 µg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted food wastes and yard wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [46 µg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted municipal solid wastes (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [35 µg/kg]				
Komilis et al. 2004 ***HERO ID:*** *1618136* *OQD:* Low	Portage, WI, US (Product source) Scenario: Net mass emitted from composted seed (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [520 µg/kg]				

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
Guerrero et al. 2012 ***HERO ID:*** *1467025* *OQD:* Medium	Texas, US (Product source) Scenario: Mean emission rates for toilet bowl deodorizer (n = NR; DF = NR)	LOD: 0.35 ng LOQ: 6.5 ug/m	NR	NR	181 mg/hr (AM)	NR	NR
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured concentration in air from desk chair (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 $\mu g/m^3$]				
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured concentration in air from bedside table (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 $\mu g/m^3$]				
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured concentration in air from dining table (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	0.90 $\mu g/m^3$	10.9 $\mu g/m^3$	5.53 $\mu g/m^3$ (AM)	50th: 6.01 $\mu g/m^3$;	3.77 $\mu g/m^3$ (ASD)
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured concentration in air from sofa (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	1.01 $\mu g/m^3$	3.29 $\mu g/m^3$	2.23 $\mu g/m^3$ (AM)	50th: 2.49 $\mu g/m^3$;	0.81 $\mu g/m^3$ (ASD)
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured concentration in air from cabinet (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 $\mu g/m^3$]				
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured emission rate from desk chair (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 mg/unit/hr]				
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured emission rate from bedside table (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 mg/unit/hr]				
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured emission rate from dining table (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	.0022 mg/unit/hr	.027 mg/unit/hr	.014 mg/unit/hr (AM)	50th: .015 mg/unit/hr;	.0094 mg/unit/hr (ASD)
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured emission rate from sofa (n = 1; DF = NR)	LOD: Not Reported LOQ: Not Reported	.0025 mg/unit/hr	.0082 mg/unit/hr	.0056 mg/unit/hr (AM)	50th: .0062 mg/unit/hr;	.002 mg/unit/hr (ASD)
Ho et al. 2011 ***HERO ID:*** *2655174* *OQD:* Medium	Ecopro, KR (Testing Location) Scenario: Measured emission rate from cabinet (n = 1; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 mg/unit/hr]				
Kowalska et al. 2013 ***HERO ID:*** *2655630* *OQD:* Medium	Warsaw, PL (Author Affiliation) Scenario: Measured emitted concentration, mixed office-use plastics, chemical 2 (n = 16; DF = 0.44)	LOD: 0.013 $\mu g/m^3$ LOQ: Not Reported	0.04 $\mu g/m^3$	7.01 $\mu g/m^3$	1.54 $\mu g/m^3$ (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (HDY) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - High density (33 kg/m^3) polyurethane youth twin-size (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	110 ng/m2-hr (GM)	NR	26 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (HDM) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - High density (60 kg/m^3) memory foam (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	120 ng/m2-hr (GM)	NR	68 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (HDR) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - High density (33 kg/m^3) polyurethane raw material (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	256 ng/m2-hr (GM)	NR	71 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (MDY) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - Medium density (28 kg/m^3) polyurethane youth twin size mattress (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	146 ng/m2-hr (GM)	NR	64 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (MDC) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - Medium density (24 kg/m^3) polyurethane toddler mattress (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	158 ng/m2-hr (GM)	NR	99 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (LDI) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - Low density (20 kg/m^3) polyurethane infant mattress (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	163 ng/m2-hr (GM)	NR	64 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (LDY) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - Low density (18 kg/m^3) polyurethane youth twin-size mattress (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	166 ng/m2-hr (GM)	NR	63 ng/m2-hr (ASD)
Oz et al. 2019 ***HERO ID:*** *5960953* *OQD:* High	Not Reported, IL (Testing Location) Scenario: (LDR) Emission flux from test mattress under sleeping conditions (36 C, 96% RH, 1000 ppm CO2) - Low density (18 kg/m^3) polyurethane raw material (n = 4; DF = 1)	LOD: 0.03 μg/m^3 LOQ: Not Reported	NR	NR	245 ng/m2-hr (GM)	NR	35 ng/m2-hr (ASD)

Table 16: Data Extraction Tables of Exposure Modeling Studies for All Applicable Media

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Hubbard et al. 2022 ***HERO ID:*** *12952530* *OQD:* High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential dermal exposure from consumer product use for adult (Ex Priori tool)	POINT VALUE(S): [0.0000653 g/day]				
Hubbard et al. 2022 ***HERO ID:*** *12952530* *OQD:* High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential ingestion exposure from consumer product use for adult (Ex Priori tool)	POINT VALUE(S): [0.0000139 g/day]				
Hubbard et al. 2022 ***HERO ID:*** *12952530* *OQD:* High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential inhalation exposure from consumer product use for adult (Ex Priori tool)	POINT VALUE(S): [0.156 g/day]				

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

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in nongrocery ambient air	NR	NR	1.7 $\mu g/m^3$ (GM)	NR	7.7 $\mu g/m^3$ (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in outdoor/other ambient air	NR	NR	0.1 $\mu g/m^3$ (GM)	NR	6.2 $\mu g/m^3$ (GSD)

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

Table 18: Data Extraction Tables of Exposure Modeling Studies for Indoor Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Aronson et al. 2007 ***HERO ID:*** *449472* * *OQD:* Medium	US (Author Affiliation) Scenario: Modeled steady-state air concentration in Zone 1 (bathroom) for rimblock products	POINT VALUE(S): [1.53 mg/m^3]				
Aronson et al. 2007 ***HERO ID:*** *449472* * *OQD:* Medium	US (Author Affiliation) Scenario: Modeled steady-state air concentration in Zone 2 (adjacent rooms to bathroom) for rimblock products	POINT VALUE(S): [0.492 mg/m^3]				
Aronson et al. 2007 ***HERO ID:*** *449472* * *OQD:* Medium	US (Author Affiliation) Scenario: Estimated daily intake for adult using toilet rimblock product (based on modeled time-weight average of 0.356 mg/m^3, 16-h indoors)	POINT VALUE(S): [0.1018 mg/kg bw/day]				
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in home indoor air	NR	NR	0.4 μg/m^3 (GM)	NR	6.9 μg/m^3 (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in office indoor air	NR	NR	0.9 μg/m^3 (GM)	NR	4.5 μg/m^3 (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in commute indoor air	NR	NR	0.5 μg/m^3 (GM)	NR	2.6 μg/m^3 (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in dining indoor air	NR	NR	1.5 μg/m^3 (GM)	NR	5.9 μg/m^3 (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: Concentration distribution in grocery indoor air	NR	NR	2.7 μg/m^3 (GM)	NR	3.3 μg/m^3 (GSD)
Loh et al. 2007 ***HERO ID:*** *632519* * *OQD:* High	US (Modeled Location) Scenario: High exposure concentration distribution in home indoor air	NR	NR	18 μg/m^3 (GM)	NR	4.5 μg/m^3 (GSD)
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for offices at measured ventilation rate	NR	NR	2.2 μg/m^3 (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for offices at half of measured ventilation rate	NR	NR	4.2 μg/m^3 (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for offices at double measured ventilation rate	NR	NR	1.2 μg/m^3 (AM)	NR	NR

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for retail stores at measured ventilation rate	NR	NR	1.0 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for retail stores at half of measured ventilation rate	NR	NR	1.9 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for retail stores at double measured ventilation rate	NR	NR	0.6 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for grocery stores at measured ventilation rate	NR	NR	0.7 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for grocery stores at half of measured ventilation rate	NR	NR	1.0 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for grocery stores at double measured ventilation rate	NR	NR	0.4 $\mu g/m^3$ (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for schools at measured ventilation rate	NR	NR	ND ug/m^3 (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for schools at half of measured ventilation rate	NR	NR	ND ug/m^3 (AM)	NR	NR
Chan et al. 2015 ***HERO ID:*** *2964715* *OQD:* Medium	CA; PA; TX; other states, US (Modeled Location) Scenario: Mean modeled indoor air concentration for schools at double measured ventilation rate	NR	NR	ND ug/m^3 (AM)	NR	NR

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

Table 19: Data Extraction Tables of Exposure Modeling Studies for Product/Article

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
ECHA et al. 2012 ***HERO ID:*** *7500054* *OQD:* High	European Union, Unknown (Modeled Location) Scenario: 24-hr avg concentration for consumer use of toilet block in home	NR	NR	22.5 mg/m^3 (AM)	NR	NR
ECHA et al. 2012 ***HERO ID:*** *7500054* *OQD:* High	European Union, Unknown (Modeled Location) Scenario: 24-hr avg concentration for consumers using public bathroom with a toilet block	NR	0.00151 mg/m^3	0.000371 mg/m^3 (AM)	NR	NR

Table 20: Glossary of Select Terms for Data Extraction

Term	Definition
ADC	Average daily concentrations
ADME	Absorption, distribution, metabolism, and elimination
AF	Assessment factor
atm·m3/mol	Atmospheres - cubic meters per mole
BAF	Bioaccumulation factor
BCF	Bioconcentration factor
C	Celsius
CAA	Clean Air Act
CASRN	Chemical Abstract Service registry number
CBI	Confidential Business Information
CDR	Chemical Data Reporting
CEHD	OSHA Chemical Exposure Health Database
CEM	Consumer Exposure Model
CFR	Code of Federal Regulations
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency (U.S.)
EPCRA	Emission Scenario Document
ESD	Emergency Planning and Community Right-to-Know Act
g/cm3	grams per cubic centimeter
GS	Generic Scenario
HAP	Hazardous Air Pollutant
HLC	Henry's Law constant
KOA	Octanol-air partition coefficient
KOC	Organic carbon-water partition coefficient
KOW	Octanol-water partition coefficient
LOD	Limit of detection
mg/L	Milligrams per liter
NAICS	North American Industry Classification System (codes)
ND	Non-detect
NEI	National Emissions Inventory
NESHAP	National Emission Standard for Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NLM	National Library of Medicine
NPDES	National Pollutant Discharge Elimination System
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational exposure limits
OES	Occupational exposure scenario
ONU	Occupational non-user
OPPT	Office of Pollution Prevention and Toxics (EPA)
OSHA	Occupational Safety and Health Administration (U.S)
PBZ	Personal Breathing Zone
PEL	Permissible Exposure Limits
PF	Protection factors
POTW	Publicly owned treatment works
PPE	Personal protective equipment
PV	Production volume
QC	Quality control
RCRA	Resource Conservation and Recovery Act
REL	Recommended Exposure Limit

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Table 20 . . . continued from previous page

Term	Definition
SDS	Safety Data Sheet
SDWA	Safe Drinking Water Act
SpERC	Specific Environmental Release Categories
TLV	Threshold Limit Values
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
TWA	Time-weighted average
U.S.	United States
VOC	Volatile organic compound
VP	Vapor pressure
WQP	Water Quality Portal
WWTP	Wastewater treatment plant
WS	Water solubility
7Q10	The lowest 7-day average flow that occurs (on average) once every 10 years