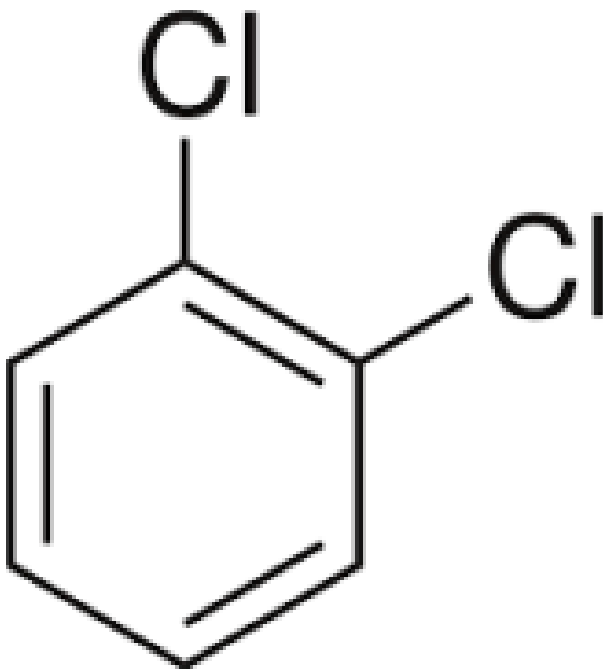

**Draft Data Extraction Information for
General Population, Consumer, and Environmental Exposure for
o-Dichlorobenzene (oDCB)**

Systematic Review Support Document for the Draft Risk Evaluation

CASRN: 95-50-1



June 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 o-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 o-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 o-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 o-Dichlorobenzene*.

Table of Contents

Table Number	Table Name	Page
Monitoring Studies		
1	Data Extraction Tables of Exposure Monitoring Studies for Ambient Air	4
2	Data Extraction Tables of Exposure Monitoring Studies for Drinking Water	5
3	Data Extraction Tables of Exposure Monitoring Studies for Groundwater	7
4	Data Extraction Tables of Exposure Monitoring Studies for Human Biomonitoring	9
5	Data Extraction Tables of Exposure Monitoring Studies for Indoor Air	10
6	Data Extraction Tables of Exposure Monitoring Studies for Other	12
7	Data Extraction Tables of Exposure Monitoring Studies for Sediment	13
8	Data Extraction Tables of Exposure Monitoring Studies for Soil	14
9	Data Extraction Tables of Exposure Monitoring Studies for Surface Water	15
10	Data Extraction Tables of Exposure Monitoring Studies for Terrestrial Species	16
11	Data Extraction Tables of Exposure Monitoring Studies for Wastewater	17
Experimental Studies		
12	Data Extraction Tables of Exposure Experimental Studies for Consumer Products	19
13	Data Extraction Tables of Exposure Experimental Studies for Building Materials	22
14	Data Extraction Tables of Exposure Experimental Studies for Other	23
Modeling Studies		
15	Data Extraction Tables of Exposure Modeling Studies for All Applicable Media	24
16	Data Extraction Tables of Exposure Modeling Studies for Indoor Air	25
17	Glossary of Select Terms for Data Extraction	28

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
Mart� et al. 2014 HERO ID: 2517712 <i>OQD:</i> 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	0.005 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.002 $\mu\text{g}/\text{m}^3$ (ASD)
Huang et al. 2019 HERO ID: 5431563 <i>OQD:</i> 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	0.26 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.28 $\mu\text{g}/\text{m}^3$ (ASD)
Juang et al. 2009 HERO ID: 1444237 <i>OQD:</i> Medium	South, Fong Shan Stream, TW Scenario: Air near a heavily polluted stream (n = 40; DF = <1; Sampling Period: Aug., 2004 - Jul., 2005)	LOD: 0.001 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	ND	343.45 $\mu\text{g}/\text{m}^3$	63.144 $\mu\text{g}/\text{m}^3$ (AM)	NR	70.285 $\mu\text{g}/\text{m}^3$ (ASD)
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from industrialized area close to a petrol refinery (n = 3; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> 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 = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from industrialized area inside the South industrial complex (away from roads) (n = 3; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from urban area of Imperial Tarraco Square (high traffic) (n = 6; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from urban area of Pla de la Seu (historical center, closed to traffic) (n = 6; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from urban area of Carros Square (close to port, medium traffic) (n = 6; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR
Ras-Mallorqui et al. 2007 HERO ID: 2443817 <i>OQD:</i> High	Tarragona Region, ES Scenario: Ambient air from urban area of Rambla Nova (commercial and residential, low traffic) (n = 6; DF = 0; Sampling Period: Dec., 2005 - Jan., 2006)	LOD: 0.07 $\mu\text{g}/\text{m}^3$ LOQ: 0.08 $\mu\text{g}/\text{m}^3$	NR	NR	ND	NR	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kingsbury et al. 2008 HERO ID: 3364193 <i>OQD:</i> 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; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.048 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> 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 <i>OQD:</i> 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 <i>OQD:</i> Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Amherstburg - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.5 ng/L; ND]				
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> 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): [0.4 ng/L; 0.6 ng/L]				
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> Medium	Great Lakes region, CA,US Scenario: Treated 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 <i>OQD:</i> 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 <i>OQD:</i> 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): [0.3 ng/L; 0.2 ng/L]				

Continued on next page ...

Monitoring

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 <i>OQD:</i> Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Burlington - 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 <i>OQD:</i> 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; 0.9 ng/L]				
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> 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; 0.6 ng/L]				
Hopple et al. 2009 HERO ID: 3975066 <i>OQD:</i> High	Various locations, US Scenario: Finished water from principal aquifers across the United States (n = 71; DF = 0; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.048 µg/L	NR	NR	ND	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
Fan et al. 2009 HERO ID: 631540 <i>OQD:</i> Medium	Taiwan, TW Scenario: Groundwater from a well near drinking water treatment plant (W1-10) (n = 60; DF = 0; Sampling Period: Apr., 2005 - Oct., 2005)	LOD: 0.61 $\mu\text{g/L}$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Chen et al. 1995 HERO ID: 659873 <i>OQD:</i> 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): [0.84 $\mu\text{g/L}$; 1.56 $\mu\text{g/L}$; 0.75 $\mu\text{g/L}$; 0.61 $\mu\text{g/L}$; 0.13 $\mu\text{g/L}$; 0.09 $\mu\text{g/L}$; ND; ND]				
Westinghouse Savannah River Company et al. 1997 HERO ID: 1740826 <i>OQD:</i> Medium	South Carolina, US Scenario: Groundwater monitoring wells in a landfill (nondetects excluded) (n = 304; DF = 0.07; Sampling Period: 1995 - 1996)	LOD: 0.05-2 $\mu\text{g/L}$ LOQ: Not Reported	POINT VALUE(S): [0.12 $\mu\text{g/L}$; 1 $\mu\text{g/L}$; 0.31 $\mu\text{g/L}$; 1.35 $\mu\text{g/L}$; 0.48 $\mu\text{g/L}$; 1.4 $\mu\text{g/L}$; 0.5 $\mu\text{g/L}$; 0.38 $\mu\text{g/L}$; 3.2 $\mu\text{g/L}$; 0.28 $\mu\text{g/L}$; 0.18 $\mu\text{g/L}$; 0.06 $\mu\text{g/L}$; 0.07 $\mu\text{g/L}$; 0.98 $\mu\text{g/L}$; 0.6 $\mu\text{g/L}$; 0.94 $\mu\text{g/L}$; 0.62 $\mu\text{g/L}$; 0.74 $\mu\text{g/L}$; 0.7 $\mu\text{g/L}$; 1.4 $\mu\text{g/L}$]				
Heck et al. 1992 HERO ID: 5438509 <i>OQD:</i> Medium	Reno County, Kansas, US Scenario: Groundwater from private wells near Reno County Landfill (n = 5; DF = 0; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 0.2 $\mu\text{g/L}$	NR	NR	<LOQ	NR	NR
Heck et al. 1992 HERO ID: 5438509 <i>OQD:</i> Medium	Reno County, Kansas, US Scenario: Groundwater from monitoring wells near Reno County Landfill (n = 8; DF = 0.38; Sampling Period: Aug., 1990)	LOD: Not Reported LOQ: 0.2 $\mu\text{g/L}$	POINT VALUE(S): [0.4 $\mu\text{g/L}$; 95 $\mu\text{g/L}$; 0.3 $\mu\text{g/L}$; <LOQ; <LOQ; <LOQ; <LOQ]				
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater upgradient of Geary county landfill (n = 1; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 $\mu\text{g/L}$ LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Groundwater downgradient of Geary county landfill (n = 6; DF = 0; Sampling Period: Oct., 1988 - Sept., 1988)	LOD: 0.5 $\mu\text{g/L}$ LOQ: Not Reported	NR	NR	<LOD	NR	NR
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> Medium	Great Lakes region, CA,US Scenario: Treated groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 HERO ID: 1487184 <i>OQD:</i> Medium	Great Lakes region, CA,US Scenario: Raw groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Hopple et al. 2009 HERO ID: 3975066 <i>OQD:</i> High	Various locations, US Scenario: Groundwater from principal aquifers across the United States (n = 221; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: 0.048 $\mu\text{g/L}$ LOQ: Not Reported	NR	NR	ND	NR	NR

Continued on next page ...

o-Dichlorobenzene

Monitoring

Groundwater

Table 3 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hopple et al. 2009 HERO ID: 3975066 <i>OQD:</i> High	Various locations, US Scenario: Source water (resampled) from principal aquifers across the United States (n = 71; DF = 0; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.048 µg/L	NR	NR	ND	NR	NR

o-Dichlorobenzene

Monitoring

Human Biomonitoring

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 <i>OQD:</i> 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	NR	NR	NR	50th: Below LRL ng/mL;	NR

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
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> 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: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> 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: 0.24 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> 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: 0.24 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 11 (n = 2; DF = 0; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 09 (n = 2; DF = 0; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 14 (n = 2; DF = 1; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	3.24 $\mu\text{g}/\text{m}^3$ (GM)	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 22 (n = 2; DF = 0; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 21 (n = 2; DF = 0; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR

Continued on next page ...

Monitoring

Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lindstrom et al. 1995 HERO ID: 78782 <i>OQD:</i> Medium	Foothills of Rocky Mountains, US Scenario: 12-hr samples collected in canisters from 1 experimental single-family townhome pre-occupancy phase (unfurnished and unoccupied), home 33 (n = 2; DF = 0; Sampling Period: Dec., 1992)	LOD: 2.40 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	NR	ND	NR	NR
Huang et al. 2019 HERO ID: 5431563 <i>OQD:</i> 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	0.18 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.16 $\mu\text{g}/\text{m}^3$ (ASD)
NYIEQ et al. 2005 HERO ID: 7002239 <i>OQD:</i> Uninformative	Syracuse, NY, US Scenario: 24-hr low flow samples from 130 residential buildings (COMPILES project) (n = 130; DF = 0.06; Sampling Period: Dec., 2001 - Mar., 2003)	LOD: Not Reported LOQ: Not Reported	0.76 ppb	12.15 ppb	2.39 ppb (AM)	50th: 1.15 ppb;	NR
Chin et al. 2014 HERO ID: 2443355 <i>OQD:</i> High	Detroit, MI, US Scenario: 7-day passive samples collected from 126 homes with children with asthma (n = 325; DF = 0.02; Sampling Period: Mar., 2009 - Sept., 2010)	LOD: 0.01 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	<LOD	0.51 $\mu\text{g}/\text{m}^3$	<LOD	25th: <LOD; 50th: <LOD; 75th: <LOD; 90th: <LOD; 95th: <LOD;	0.05 $\mu\text{g}/\text{m}^3$ (ASD)
Li et al. 2019 HERO ID: 5736601 <i>OQD:</i> 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 = 0.17; Sampling Period: Jan., 2012 - Dec., 2013)	LOD: 0.018 $\mu\text{g}/\text{m}^3$ LOQ: 0.01 $\mu\text{g}/\text{m}^3$	NR	5.4 $\mu\text{g}/\text{m}^3$	NR	99th: 0.55 $\mu\text{g}/\text{m}^3$; 95th: 0.07 $\mu\text{g}/\text{m}^3$;	NR

o-Dichlorobenzene

Monitoring

Other

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
Eklund et al. 1998 HERO ID: 1487387 <i>OQD:</i> High	New York City, NY, US Scenario: Landfill gas from Fresh Kills Municipal Solid-Waste Landfill - o-Dichlorobenzene (n = 12; DF = NR; Sampling Period: 1998)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.17 ppm (AM)	NR	NR
Yasuhara et al. 1999 HERO ID: 659131 <i>OQD:</i> Medium	Not Reported, JP Scenario: Landfill leachate from hazardous waste disposal sites (n = 11; DF = 0.27; Sampling Period: 1995)	LOD: Not Reported LOQ: 15-Feb ng/L	NR	1030.0 ng/L	NR	50th: 580.0 ng/L;	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
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	<LOQ	0.04 ng/g	0.03 ng/g (AM)	NR	NR
Yun et al. 2011 HERO ID: 1002163 OQD: Low	Midland, Michigan, US Scenario: Sediments from Upper Tittabawassee River (n = 1; DF = 0; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	POINT VALUE(S): [<LOQ]				
Yun et al. 2011 HERO ID: 1002163 OQD: Low	Midland, Michigan, US Scenario: Sediments from the Tittabawassee River (n = 18; DF = NR; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	2.06 ng/g	0.41 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	0.08 ng/g	<LOQ	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	2.23 ng/g	0.26 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	3.03 ng/g	0.62 ng/g (AM)	NR	NR
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: 1360-1570 mg/kg LOQ: Not Reported	NR	NR	<MRL ug/kg (AM)	NR	NR

Monitoring

Table 8: 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 <i>OQD:</i> Medium	Florida, US Scenario: Recovered soil fines from Site A, Trip 1 (n = 12; DF = 0.08; Sampling Period: 2001)	LOD: 5 µg/kg LOQ: Not Reported	NR	17.0 µg/kg	NR	NR	NR
Yun et al. 2011 HERO ID: 1002163 <i>OQD:</i> Low	Midland, Michigan, US Scenario: Soil from upper tributaries of the Tittawassee River (n = 3; DF = 0; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	NR	NR	<LOQ	NR	NR
Yun et al. 2011 HERO ID: 1002163 <i>OQD:</i> Low	Midland, Michigan, US Scenario: Soil from the Tittabawassee River (n = 6; DF = NR; Sampling Period: 2002)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	3.45 ng/g	1.04 ng/g (AM)	NR	NR
Yun et al. 2011 HERO ID: 1002163 <i>OQD:</i> 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	0.06 ng/g	<LOQ	NR	NR
Yun et al. 2011 HERO ID: 1002163 <i>OQD:</i> 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	0.19 ng/g	0.04 ng/g (AM)	NR	NR
Yun et al. 2011 HERO ID: 1002163 <i>OQD:</i> 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	4.26 ng/g	0.75 ng/g (AM)	NR	NR
Mart ^Ã et al. 2014 HERO ID: 2517712 <i>OQD:</i> 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	0.06 µg/m ³ (AM)	NR	0.02 µg/m ³ (ASD)
Mart ^Ã et al. 2014 HERO ID: 2517712 <i>OQD:</i> 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	0.07 µg/m ³ (AM)	NR	0.04 µg/m ³ (ASD)

Monitoring

Table 9: 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 <i>OQD:</i> 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): [0.1 µg/L; 0.1 µg/L; 0.1 µg/L; 0.08 µg/L; 0.08 µg/L; 0.05 µg/L; ND; ND; ND; ND; ND; ND]				
Ellis et al. 2007 HERO ID: 3544475 <i>OQD:</i> Medium	Birmingham, GB Scenario: River Tame surface water downstream the Birmingham Triassic sandstone aquifer effluent (n = 35; DF = 0.029; Sampling Period: 2001)	LOD: 0.1 µg/L LOQ: Not Reported	NR	0.63 µg/L	0.02 µg/L (AM)	NR	NR
Bigsby et al. 1989 HERO ID: 5449639 <i>OQD:</i> Uninformative	Near Junction City in northeast Kansas (Geary County), US Scenario: Surface water from Smokey Hill River (n = 3; DF = 0; Sampling Period: Sept., 1988)	LOD: 0.5 µg/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Coiner et al. 2010 HERO ID: 5676787 <i>OQD:</i> High	Fort Riley, KS, US Scenario: Streambed water from downstream munitions firing points (n = 8; DF = 0; Sampling Period: Jun., 2007 - Jun., 2008)	LOD: 10.2–13.3 µg/L LOQ: Not Reported	NR	NR	<MRL ug/L (AM)	NR	NR
Martá et al. 2011 HERO ID: 1002160 <i>OQD:</i> High	Comunidad Valenciana region, ES Scenario: Surface water from coastal waterbodies (n = 160; DF = 0.2; Sampling Period: Jul., 2008 - May, 2009)	LOD: 0.01 mg/L LOQ: Not Reported	<LOD	0.08 mg/L	NR	50th: <LOD;	NR

Monitoring

Table 10: 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 <i>OQD</i> : 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	NR	NR	<LOD	NR	NR
Bentzen et al. 2008 HERO ID: 2153818 <i>OQD</i> : 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	NR	NR	<LOD	NR	NR
Bentzen et al. 2008 HERO ID: 2153818 <i>OQD</i> : 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	NR	NR	<LOD	NR	NR

Table 11: 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 (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 µg/m ³ LOQ: Not Reported	NR	94 µg/m ³	NR	NR	NR
Bell et al. 1993 HERO ID: 658661 OQD: Medium	Ontario, CA Scenario: Wastewater off-gas from Highland Creek in Metropolitan Toronto (n = 4; DF = NR; Sampling Period: 1993)	LOD: 1 µg/m ³ LOQ: Not Reported	NR	27 µg/m ³	NR	NR	NR
Stubin et al. 1996 HERO ID: 658797 OQD: Medium	New York City, NY, US Scenario: Effluent from 14 wastewater treatment plants - 1,2-DCB (n = 84; DF = 0.02; Sampling Period: 1989 - 1993)	LOD: Not Reported LOQ: Not Reported	ND	6 µg/L	NR	NR	NR
PaxÅus et al. 1992 HERO ID: 667025 OQD: Medium	Goteborg, SE Scenario: Influent wastewater from Goteborg Regional Sewage Works, 1989 (n = 4; DF = 0; Sampling Period: 1989)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
PaxÅus 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
PaxÅus 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
PaxÅus 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
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 = 11; DF = 0; Sampling Period: Jul., 1991 - Aug., 1992)	LOD: Not Reported LOQ: Not Reported	9 µg/L	48 µg/L	5 µg/L (AM)	NR	15 µg/L (ASD)
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; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<MRL ug/L (AM)	NR	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; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<MRL ug/L (AM)	NR	NR

Continued on next page ...

Monitoring

Table 11 – 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 <i>OQD:</i> Medium	Summit and Jefferson Counties, CO, US Scenario: Residential and nonresidential effluent from aerobic biofilter based onsite treatment (Fall and Spring) (n = 26; DF = 0; Sampling Period: Fall, 2003 - Spring, 2004)	LOD: Not Reported LOQ: 0.5 µg/L	NR	NR	<MRL ug/L (AM)	NR	NR
Mart�� et al. 2011 HERO ID: 1002160 <i>OQD:</i> High	Comunidad Valenciana region, ES Scenario: Treated wastewater effluent from WWTPs (n = 84; DF = 0.43; Sampling Period: Mar., 2008 - Nov., 2008)	LOD: 0.01 mg/L LOQ: Not Reported	<LOD	3 mg/L	NR	50th: <LOD;	NR

Table 12: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 1 (n = 8; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.1 m (GM)	NR	73 % (CV)
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 2 (n = 2; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.7 m (GM)	NR	5.3 % (CV)
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 3 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [2.0 m]				
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 1 w pad (n = 10; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	8.0 m (GM)	NR	35 % (CV)
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 2 w pad (n = 2; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.6 m (GM)	NR	8.0 % (CV)
Won et al. 2000 HERO ID: 12793 OQD: Medium	Austin, TX, US (Author Affiliation) Scenario: Material/Air equilibrium partition coefficient (K _{eq}) for carpet 3 w pad (n = 2; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.9 m (GM)	NR	16 % (CV)
Hodgson et al. 1993 HERO ID: 76255 OQD: Medium	Berkeley, CA, US (Author Affiliation) Scenario: Quasi steady-state specific emission rate at 24 hours (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	CI: 1.0 µg/m ² /h				
Hodgson et al. 1993 HERO ID: 76255 OQD: Medium	Berkeley, CA, US (Author Affiliation) Scenario: Quasi steady-state specific emission rate at 168 hours (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	CI: 0.1 µg/m ² /h				
Kowalska et al. 2013 HERO ID: 2655630 OQD: Medium	Warsaw, PL (Author Affiliation) Scenario: Measured emitted concentration, mixed office-use plastics, chemical 3 (n = 16; DF = 0.06)	LOD: 0.013 µg/m ³ LOQ: Not Reported	POINT VALUE(S): [0.5 µg/m ³]				

Continued on next page ...

Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by AUC Method using data from medium size chamber testing with Essence brush cleaner product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	18.92 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by AUC Method using data from medium size chamber testing with Mother of Pearl overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	1.19 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by AUC Method using data from medium size chamber testing with Premium Gold Luster overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	0.62 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by AUC Method using data from medium size chamber testing with White Gold overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	0.9 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by AUC Method using data from medium size chamber testing with Bright Brushing overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	0.08 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by EPA Indoor Air Calculation using data from medium size chamber testing with Essence brush cleaner product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	20.37 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by EPA Indoor Air Calculation using data from medium size chamber testing with Mother of Pearl overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	3.52 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by EPA Indoor Air Calculation using data from medium size chamber testing with Premium Gold Luster overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	3.69 mg/hr (AM)	NR	NR

Continued on next page ...

o-Dichlorobenzene

Experimental

Consumer Products

Table 12 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by EPA Indoor Air Calculation using data from medium size chamber testing with White Gold overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	2.64 mg/hr (AM)	NR	NR
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Testing Location) Scenario: 24-hr average emission rate calculated by EPA Indoor Air Calculation using data from medium size chamber testing with Bright Brushing overglaze product (n = 48; DF = 1)	LOD: 0.33- 0.74 $\mu\text{g}/\text{m}^3$ LOQ: 0.26-14 $\mu\text{g}/\text{m}^3$	NR	NR	0.20 mg/hr (AM)	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 3, 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 3, 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 3, wood panels and glued carpet (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
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]				

o-Dichlorobenzene

Experimental

Other

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
Komilis et al. 2004 HERO ID: 1618136 <i>OQD:</i> Low	Portage, WI, US (Product source) Scenario: Net mass emitted from 11 runs of MSW compost- ing (all substrates) (n = 11; DF = 0)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0 µg/kg]				

o-Dichlorobenzene

Modeling

All Applicable Media

Table 15: 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 <i>OQD:</i> High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential dermal exposure from consumer product use for adult (Ex Priori tool)					POINT VALUE(S): [0.0000301 g/day]
Hubbard et al. 2022 HERO ID: 12952530 <i>OQD:</i> High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential ingestion exposure from consumer product use for adult (Ex Priori tool)					POINT VALUE(S): [0.0 g/day]
Hubbard et al. 2022 HERO ID: 12952530 <i>OQD:</i> High	Durham, NC, US (Author Affiliation) Scenario: Modeled potential inhalation exposure from consumer product use for adult (Ex Priori tool)					POINT VALUE(S): [0.0110 g/day]

Table 16: Data Extraction Tables of Exposure Modeling Studies for Indoor Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.					POINT VALUE(S): [138 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.					POINT VALUE(S): [17.2 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.					POINT VALUE(S): [18.9 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.					POINT VALUE(S): [18.9 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.					POINT VALUE(S): [6.02 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.					POINT VALUE(S): [5.95 mg/hr]
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "user-defined" emission rate option (from chamber tests) the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.					POINT VALUE(S): [0.781 mg/hr]

Continued on next page ...

Table 16 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Essence brush cleaner (WF = 30%) generated from CEM using the "user-defined" emission rate option (from chamber tests) the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.			POINT VALUE(S): [6.29 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.			POINT VALUE(S): [1.5 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.			POINT VALUE(S): [0.192 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.			POINT VALUE(S): [1.19 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled peak emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.			POINT VALUE(S): [1.19 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.			POINT VALUE(S): [0.067 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "CEM-estimated" emission rate option and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.			POINT VALUE(S): [0.066 mg/hr]		

Continued on next page ...

Table 16 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 1 hr.			POINT VALUE(S): [0.049 mg/hr]		
Integral Consulting et al. 2024 HERO ID: 12136954 OQD: High	Lakewood, CO, US (Modeled Location) Scenario: Modeled 24-hr average emission rate for Mother of Pearl ceramic overglaze (WF = 6%) generated from CEM using the "user-defined" emission rate option (from chamber tests) and the E2 emission rate model, as parameterized to mimic an emission testing chamber. Use duration of 8 hrs.			POINT VALUE(S): [0.396 mg/hr]		

Glossary of Select Terms for Data Extraction Tables

Table 17: Glossary of Select Terms for Data Extraction

Term	Definition
AC	Acute concentrations
ACC	American Chemistry Council
ADC	Average daily concentrations
ADME	Absorption, distribution, metabolism, and elimination
APF	Assigned protection factor
APR	Air-purifying respirator
AF	Assessment factor
AMTIC	Ambient Monitoring Technology Information Center
AQS	Air Quality System
atm· /mol	Atmospheres
BAF	Bioaccumulation factor
BCF	Bioconcentration factor
BLS	Bureau of Labor Statistics
C	Celsius
CAA	Clean Air Act
CASRN	Chemical Abstract Service registry number
CDF	Cumulative distribution function
CDR	Chemical Data Reporting
CEHD	OSHA Chemical Exposure Health Database
CEM	Consumer Exposure Model
COU	Conditions of Use
cP	Centipoise
EPA	Environmental Protection Agency
DMR	Discharge Monitoring Report
DOD	Department of Defense
DRE	Destruction removal efficiency
ECHO	Enforcement and Compliance History Online
EIS	Emissions Inventory System
EPA	Environmental Protection Agency (U.S.)
ESD	Emission Scenario Document
HAP	Hazardous Air Pollutant
HEC	Human Equivalent Concentration
HEM	Human Exposure Model
HLC	Henry's Law constant
ICR	Information Collection Request
IECCU	Indoor Environmental Concentrations in Buildings with Conditioned and Unconditioned Zones
IIOAC	Integrated Indoor Outdoor Air Calculation
IUR	Inhalation unit risk
KOA	Octanol-air partition coefficient
KOC	Organic carbon-water partition coefficient
KOW	Octanol-water partition coefficient
LADC	Lifetime average daily concentrations
LCD	Life cycle diagram
LOD	Limit of detection
MOE	Margin of exposure
MDL	Method detection limit
MLE	Maximum likelihood estimation
NADP	National Atmospheric Deposition Program
NAAQS	National Ambient Air Quality Standard

Continued on next page ...

Glossary of Select Terms for Data Extraction Tables

Table 17 ...continued from previous page

Term	Definition
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
OCSP	Office of Chemical Safety and Pollution Prevention (EPA)
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)
POD	Point of Departure
PBZ	Personal Breathing Zone
PEL	Permissible Exposure Limits
POTW	Publicly owned treatment works
PPE	Personal protective equipment
PV	Production volume
Q-Q	Quantile-quantile
RCRA	Resource Conservation and Recovery Act
RfC	Reference concentration
RL	Reporting limit
SCC	Source Classification Code
SDS	Safety Data Sheet
SIC	Standard Industrial Classification (codes)
SOC	Standard Occupational Classification (codes)
TLV	Threshold Limit Values
TRFID	TRI identification number
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
WQX	Water Quality Exchange