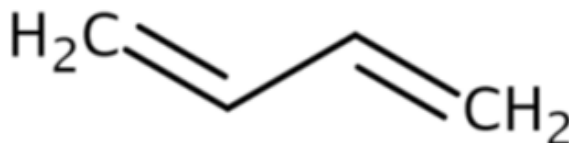




**Data Extraction Information for
General Population, Consumer, and Environmental Exposure for
1,3-Butadiene**

Systematic Review Support Document for the Draft Risk Evaluation

CASRN: 106-99-0



November 2024

This supplemental file contains information regarding the data extraction results for data sources that met the PECO screening criteria for the *Draft Systematic Review Protocol for 1,3-Butadiene*. 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 1,3-Butadiene*.

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 1,3-Butadiene*.

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 1,3-Butadiene Data Extraction Information for General Population, Consumer, and Environmental Exposure.

Table of Contents

Table Number	Table Name	Page
Monitoring Studies		
1	Data Extraction Tables of Exposure Monitoring Studies for Ambient Air	4
2	Data Extraction Tables of Exposure Monitoring Studies for Indoor Air	5
3	Data Extraction Tables of Exposure Monitoring Studies for Personal Inhalation	6
Experimental Studies		
4	Data Extraction Tables of Exposure Experimental Studies for Other	7
5	Data Extraction Tables of Exposure Experimental Studies for Consumer Products	8
Modeling Studies		
6	Data Extraction Tables of Exposure Modeling Studies for Ambient Air	11
7	Data Extraction Tables of Exposure Modeling Studies for Indoor Air	12
8	Data Extraction Tables of Exposure Modeling Studies for Sediment	13
9	Data Extraction Tables of Exposure Modeling Studies for Soil	14
10	Data Extraction Tables of Exposure Modeling Studies for Surface Water	15
11	Glossary of Select Terms for Data Extraction	16

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
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Residential outdoor air in Tianjin (n = 8; DF = NR; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.36 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.63 $\mu\text{g}/\text{m}^3$ (ASD)
U.S. EPA et al. 2015 HERO ID: 5113338 * <i>OQD:</i> High	Counties in US, US Scenario: Ambient air from nationwide network background sampling (n = 121; DF = >0; Sampling Period: 2010 - 2012)	LOD: Not Reported LOQ: Not Reported	0.002 $\mu\text{g}/\text{m}^3$	NR	0.0063 $\mu\text{g}/\text{m}^3$ (AM)	10th: 0.002 $\mu\text{g}/\text{m}^3$; 25th: 0.002 $\mu\text{g}/\text{m}^3$; 50th: 0.002 $\mu\text{g}/\text{m}^3$;	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 2: Data Extraction Tables of Exposure Monitoring Studies for Indoor Air

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sax et al. 2006 HERO ID: 156950 * <i>OQD:</i> High	New York City, NY, US Scenario: Indoor air in residences of New York City teens (n = 41; DF = 0.65; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: 1 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	9.02 $\mu\text{g}/\text{m}^3$	1.01 $\mu\text{g}/\text{m}^3$ (AM)	50th: <LOD;	NR
Sax et al. 2006 HERO ID: 156950 * <i>OQD:</i> High	Los Angeles, CA, US Scenario: Indoor air in residences of Los Angeles teens (n = 40; DF = 0.68; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: 1 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	NR	1.47 $\mu\text{g}/\text{m}^3$	<LOD	50th: <LOD;	NR
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Residential indoor air in Tianjin (n = 10; DF = 0.875; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.54 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.3 $\mu\text{g}/\text{m}^3$ (ASD)
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Office indoor air in Tianjin (n = 6; DF = NR; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.25 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.11 $\mu\text{g}/\text{m}^3$ (ASD)
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Vehicle indoor air in Tianjin (n = 6; DF = NR; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.62 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.34 $\mu\text{g}/\text{m}^3$ (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 3: Data Extraction Tables of Exposure Monitoring Studies for Personal Inhalation

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sax et al. 2006 HERO ID: 156950 * <i>OQD:</i> High	New York City, NY, US Scenario: Personal inhalation of New York City teens (n = 41; DF = 0.61; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: 1 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	ND	5.25 $\mu\text{g}/\text{m}^3$	<LOD	50th: <LOD;	1.15 $\mu\text{g}/\text{m}^3$ (ASD)
Sax et al. 2006 HERO ID: 156950 * <i>OQD:</i> High	Los Angeles, CA, US Scenario: Personal sampling of Los Angeles teens (n = 40; DF = 0.8; Sampling Period: Feb., 1999 - Oct., 2000)	LOD: 1 $\mu\text{g}/\text{m}^3$ LOQ: Not Reported	ND	1.89 $\mu\text{g}/\text{m}^3$	<LOD	50th: <LOD;	<LOD
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Measured personal air from Tianjin residents (n = 10; DF = 0.875; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.67 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.7 $\mu\text{g}/\text{m}^3$ (ASD)
Zhou et al. 2011 HERO ID: 1255292 * <i>OQD:</i> Medium	Tianjin, China, CN Scenario: Estimated time weighted average personal air from Tianjin residents (n = 10; DF = NR; Sampling Period: May, 2008)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.15 $\mu\text{g}/\text{m}^3$ (AM)	NR	0.04 $\mu\text{g}/\text{m}^3$ (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 4: Data Extraction Tables of Exposure Experimental Studies for Other

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sallsten et al. 2006 HERO ID: 97958 <i>OQD:</i> Medium	SE (Testing Location) Scenario: Concentration of chemical 1 in personal and stationary environments during wood burning session 1 (n = 5; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	50th: 6.3 $\mu\text{g}/\text{m}^3$;	NR
Sallsten et al. 2006 HERO ID: 97958 <i>OQD:</i> Medium	SE (Testing Location) Scenario: Concentration of chemical 1 in personal and stationary environments during wood burning session 2 (n = 5; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	50th: 3.9 $\mu\text{g}/\text{m}^3$;	NR

Table 5: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured emission factor, chemical 2 emitted from wick kerosene space heater, fuel 1 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	4 µg/g (AM)	NR	NR
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured emission factor, chemical 2 emitted from wick kerosene space heater, fuel 3 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.8 µg/g (AM)	NR	NR
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured emission factor, chemical 2 emitted from injection kerosene space heater, fuel 4 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.8 µg/g (AM)	NR	NR
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured concentration, chemical 2 emitted from wick kerosene space heater, fuel 1 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	5.02 ppb (AM)	NR	NR
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured concentration, chemical 2 emitted from injection kerosene space heater, fuel 4 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.1 ppb (AM)	NR	NR
Carteret et al. 2012 HERO ID: 1290538 OQD: Medium	FR (Product source) Scenario: Measured concentration, chemical 2 emitted from wick kerosene space heater, fuel 3 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	NR	NR	6.16 ppb (AM)	NR	NR
Lee et al. 1997 HERO ID: 2529910 OQD: High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 1 of untreated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.6 µg/dscm]				
Lee et al. 1997 HERO ID: 2529910 OQD: High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 2 of untreated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.2 µg/dscm]				
Lee et al. 1997 HERO ID: 2529910 OQD: High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 3 of untreated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.2 µg/dscm]				
Lee et al. 1997 HERO ID: 2529910 OQD: High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 1 of treated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.1 µg/dscm]				

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lee et al. 1997 HERO ID: 2529910 <i>OQD:</i> High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 2 of treated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.1 µg/dscm]				
Lee et al. 1997 HERO ID: 2529910 <i>OQD:</i> High	Research Triangle Park, NC, US (Testing Location) Scenario: Measured concentration from test 3 of treated wood waste for fuel burning (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.1 µg/dscm]				
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS1 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.59 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS2 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.69 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS3 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.1 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS4 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.39 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS5 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.97 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS6 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	1.2 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS7 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.2 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS8 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.21 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS9 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.36 µg/g (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS10 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 µg/g	NR	NR	0.79 µg/g (AM)	NR	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
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS11 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 $\mu\text{g/g}$	NR	NR	0.73 $\mu\text{g/g}$ (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS12 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 $\mu\text{g/g}$	NR	NR	1.3 $\mu\text{g/g}$ (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS13 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 $\mu\text{g/g}$	NR	NR	1.7 $\mu\text{g/g}$ (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS14 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 $\mu\text{g/g}$	NR	NR	0.06 $\mu\text{g/g}$ (AM)	NR	NR
Abe et al. 2014 HERO ID: 2857233 <i>OQD:</i> Medium	JP (Product source) Scenario: Measured concentration in ABS15 Kitchen Utensil (n = 2; DF = 1)	LOD: Not Reported LOQ: 0.025 $\mu\text{g/g}$	NR	NR	0.62 $\mu\text{g/g}$ (AM)	NR	NR

Table 6: Data Extraction Tables of Exposure Modeling Studies for Ambient Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Suzuki et al. 2004 HERO ID: 198786 <i>OQD:</i> High	JP (Modeled Location) Scenario: Modeled ambient air concentration	1 percentile: 0.000011 $\mu\text{g}/\text{m}^3$; Exposure Weighted Averaged Concentration: 0.14 $\mu\text{g}/\text{m}^3$				
Loh et al. 2007 HERO ID: 632519 * <i>OQD:</i> High	US (Modeled Location) Scenario: Concentration distribution in nongrocery ambient air	NR	NR	0.2 $\mu\text{g}/\text{m}^3$ (GM)	NR	3.4 $\mu\text{g}/\text{m}^3$ (GSD)
Loh et al. 2007 HERO ID: 632519 * <i>OQD:</i> High	US (Modeled Location) Scenario: Concentration distribution in outdoor/other ambient air	NR	NR	0.1 $\mu\text{g}/\text{m}^3$ (GM)	NR	3.6 $\mu\text{g}/\text{m}^3$ (GSD)
Yu et al. 2016 HERO ID: 3276086 <i>OQD:</i> High	Hillsborough County, FL, US (Modeled Location) Scenario: Modeled ambient air concentration, annual average	1%: 0.00317 $\mu\text{g}/\text{m}^3$				
Radian Engineering et al. 1997 HERO ID: 5665035 <i>OQD:</i> Medium	Ontario, CA, US (Modeled Location) Scenario: Modeled ambient air concentration in residential MEI around GE facility, hourly	NR	0.21 $\mu\text{g}/\text{m}^3$	NR	NR	NR
Radian Engineering et al. 1997 HERO ID: 5665035 <i>OQD:</i> Medium	Ontario, CA, US (Modeled Location) Scenario: Modeled ambient air concentration in residential MEI around GE facility, annual	NR	NR	0.000014 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR
Radian Engineering et al. 1997 HERO ID: 5665035 <i>OQD:</i> Medium	Ontario, CA, US (Modeled Location) Scenario: Modeled ambient air concentration in commercial MEI around GE facility, hourly	NR	5.2 $\mu\text{g}/\text{m}^3$	NR	NR	NR
Radian Engineering et al. 1997 HERO ID: 5665035 <i>OQD:</i> Medium	Ontario, CA, US (Modeled Location) Scenario: Modeled ambient air concentration in commercial MEI around GE facility, annual	NR	NR	0.00086 $\mu\text{g}/\text{m}^3$ (AM)	NR	NR

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Table 7: Data Extraction Tables of Exposure Modeling Studies for Indoor 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 home indoor air	NR	NR	0.3 $\mu\text{g}/\text{m}^3$ (GM)	NR	3.7 $\mu\text{g}/\text{m}^3$ (GSD)
Loh et al. 2007 HERO ID: 632519 * OQD: High	US (Modeled Location) Scenario: Concentration distribution in office indoor air	NR	NR	0.2 $\mu\text{g}/\text{m}^3$ (GM)	NR	3.4 $\mu\text{g}/\text{m}^3$ (GSD)
Loh et al. 2007 HERO ID: 632519 * OQD: High	US (Modeled Location) Scenario: Concentration distribution in commute indoor air	NR	NR	1.5 $\mu\text{g}/\text{m}^3$ (GM)	NR	2.1 $\mu\text{g}/\text{m}^3$ (GSD)
Loh et al. 2007 HERO ID: 632519 * OQD: High	US (Modeled Location) Scenario: Concentration distribution in dining indoor air	NR	NR	1 $\mu\text{g}/\text{m}^3$ (GM)	NR	6.3 $\mu\text{g}/\text{m}^3$ (GSD)
Loh et al. 2007 HERO ID: 632519 * OQD: High	US (Modeled Location) Scenario: Concentration distribution in grocery indoor air	NR	NR	0.2 $\mu\text{g}/\text{m}^3$ (GM)	NR	3.4 $\mu\text{g}/\text{m}^3$ (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 8: Data Extraction Tables of Exposure Modeling Studies for Sediment

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Suzuki et al. 2004 HERO ID: 198786 <i>OQD:</i> High	JP (Modeled Location) Scenario: Modeled sediment concentration				1 percentile: 0.0000003 ng/g	

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

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Suzuki et al. 2004 <i>HERO ID: 198786</i> <i>OQD: High</i>	JP (Modeled Location) Scenario: Modeled soil concentration				1 percentile: 0.0000001 ng/g	

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

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Suzuki et al. 2004 HERO ID: 198786 <i>OQD:</i> High	JP (Modeled Location) Scenario: Modeled river concentration				1 percentile: 0.000019 ng/L	

Glossary of Select Terms for Data Extraction Tables

Table 11: Glossary of Select Terms for Data Extraction

Term	Definition
ABS	Acrylonitrile Butadiene Styrene resin plastics
ACC	American Chemistry Council
ACGIH	American Conference of Governmental Industrial Hygienists
AEGL	Acute Exposure Guideline Level
ATSDR	Agency for Toxic Substances and Disease Registry
BCF	Bioconcentration factor
CAA	Clean Air Act
CASRN	Chemical Abstracts Service Registry Number
CBI	Confidential Business Information
CCL	Contaminant Candidate List
CDR	Chemical Data Reporting
CEPA	Canadian Environmental Protection Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
COU	Condition of Use
CSCL	Chemical Substances Control Law
DMR	Discharge Monitoring Report
ECB	European Chemicals Bureau
ECHA	European Chemicals Agency
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ESD	Emission Scenario Document
GACT	Generally Available Control Technology
ECEL	Existing Chemical Exposure Limit
ERG	Eastern Research Group
EU	European Union
EV	Exposure Value
GS	Generic Scenario
HAP	Hazardous Air Pollutant
HEC	Human Equivalent Concentration
IMAP	Inventory Multi-Tiered Assessment and Prioritization
IUR	Inhalation Unit Risk
IRIS	Integrated Risk Information System
ISHA	Industrial Safety and Health Act
KOC	Organic Carbon: Water Partition Coefficient
KOW	Octanol:: Water partition Coefficient
LCD	Life Cycle Diagram
MACT	Maximum Achievable Control Technology
MOA	Mode of Action
MOE	Margin of Exposure
NAICS	North American Industry Classification System
NEI	National Emissions Inventory
NICNAS	National Industrial Chemicals Notification and Assessment Scheme (Australia)
NIOSH	National Institute for Occupational Safety and Health
NPL	National Priorities List
NPRI	National Pollutant Release Inventory
NTP	National Toxicology Program
OCSPP	Office of Chemical Safety and Pollution Prevention
OECD	Organisation for Economic Co-operation and Development
OES	Occupational Exposure Scenario

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Glossary of Select Terms for Data Extraction Tables

Table 11 ...continued from previous page

Term	Definition
ONU	Occupational Non-User
OPPT	Office of Pollution Prevention and Toxics
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PECO	Populations, Exposures, Comparators, and Outcomes
PESS	Potentially Exposed or Susceptible Subpopulations
POD	Point of Departure
POTW	Publicly Owned Treatment Works
PV	Production Volume
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (European Union)
SARA	Superfund Amendments and Reauthorization Act
SBR	Styrene-Butadiene Rubber
SDS	Safety Data Sheet
SDWA	Safe Drinking Water Act
SRC	Syracuse Research Corporation
STEL	Short-term Exposure Limit
TSCA	Toxic Substances Control Act
TLV	Threshold Limit Value
TRI	Toxics Release Inventory
TWA	Time-weighted Average
UCMR	Unregulated Contaminants Monitoring Rule
UF	Uncertainty Factor
VOC	Volatile Organic Compound
WWT	Waste Water Treatment