

# NJDEP - Toxicity Factors Used to Develop Human Health Basis for DEP Standards



*These are the human health toxicity data that were used by the Department to derive its health based criteria.*

## Acenaphthene

83-32-9

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.06 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.06 (mg/kg/day)	<b>Reference Dose:</b> 0.06 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

## Acenaphthylene

208-96-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group : D</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> N&L TEF

## Acetone

67-64-1

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group : D</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.9 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.9 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

*\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.*

**Acetonitrile**

75-05-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> Interim Generic Criteria	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Acetophenone**

98-86-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)	<b>Reference Concentration:</b> 0.02 ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> HEAST 92	

**Acrolein**

107-02-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Inadequate data (D)	<b>Carcinogen Group:</b> Inadequate data (D)	<b>Carcinogen Group :</b> Inadequate data (D)	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> ^ (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Reference Concentration:</b> 0.02 ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Acrylamide**

**79-06-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 4.5 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Acrylonitrile**

**107-13-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B1	<b>Carcinogen Group:</b> B1	<b>Carcinogen Group :</b> B1		<b>Carcinogen Group :</b> Group B1
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.54 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.54 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.54 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000068 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Adipates (Di(ethylhexyl)adipate) (DEHA)**

**103-23-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0012 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Alachlor**

**15972-60-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2a	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.08a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Aldicarb**

**116-06-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Aldicarb sulfone**

**1646-88-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.001 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Aldicarb sulfoxide**

**1646-87-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Aldrin**

**309-00-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 17 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 17 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 17 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0049 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Aluminum**

**7429-90-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NCEA		<b>Basis:</b>

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**Ammonia (Total)**

7664-41-7

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP/See B&B text	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Aniline**

62-53-3

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0057 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Anthracene**

120-12-7

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Reference Dose:</b> 0.3 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

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**Antimony (Total)**

**7440-36-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0004 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0004 (mg/kg/day)	<b>Reference Dose:</b> 0.0004 (mg/kg/day)		<b>Reference Concentration:</b> 0.2 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> NPDWR/See B& B text	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Arsenic (Total)**

**7440-38-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> A d	<b>Carcinogen Group:</b> A	<b>Carcinogen Group :</b> A		<b>Carcinogen Group :</b> Group A
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.5 d (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.5 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.5 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0043 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Asbestos**

**1332-21-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Atrazine**

1912-24-9

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Ca	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> C/DEP		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.0035 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> Pending USEPA review/See B&B text	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**Barium**

7440-39-3

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.2 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.2 (mg/kg/day)	<b>Reference Dose:</b> 0.2 (mg/kg/day)		<b>Reference Concentration:</b> 0.5 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> Previous IRIS	<b>Basis:</b> NPDWR	<b>Basis:</b> Current IRIS		<b>Basis:</b> HEAST 97

**Benz(a)anthracene**

56-55-3

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.73e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> RPF	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 02

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

## Benzaldehyde

100-52-7

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

## Benzene

71-43-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group :</b> A		<b>Carcinogen Group :</b> Group A
<b>Oral Slope Factor:</b> 0.23 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.23 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.23 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.23 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000078 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

## Benzidine

92-87-5

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group :</b> A		<b>Carcinogen Group :</b> Group A
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 230 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 230 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 230 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.067 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Benzo(a)pyrene(BaP)**

**50-32-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7.3 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7.3 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 7.3 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02/RPF	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

**Benzo(b)fluoranthene (3,4-Benzofluoranthene)**

**205-99-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.73e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> RPF	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 02

**Benzo(ghi)perylene**

**191-24-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> N&L TEF

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Benzo(k)fluoranthene**

207-08-9

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.073e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.073 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.073 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> RPF	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 02

**Benzoic acid**

65-85-0

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 4 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Benzyl alcohol**

100-51-6

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Beryllium****7440-41-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Cb	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C *		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0002 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0002 (mg/kg/day)	<b>Reference Dose:</b> 0.0002 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS/NPDWR/See B&B text	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**BHC (alpha-HCH) (benzenhydrochloride)****319-84-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 6.3 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 6.3 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 6.3 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**BHC (beta-HCH)****319-85-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b> C	<b>Carcinogen Group :</b> C		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.8 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.8 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.8 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> New Group C approach/IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**BHC (gamma-HCH/Lindane)**

**58-89-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2-C	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.3a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.3 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00031 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0003 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST/New Group C approach	<b>Basis:</b> NR03	<b>Basis:</b> HEAST		<b>Basis:</b> Cal 02

**Biphenyl (Diphenyl) (1,1-Biphenyl)**

**92-52-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.05 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.05 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**Bis(2-chloroisopropyl)ether**

**108-60-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00001 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Reference Dose:</b> 0.04 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> CASRN changed in IRIS from 39638-32-9 on 6/6/00	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> HEAST

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**Bis(2-chloroethyl) ether (Dichloroethyl ether)**

**111-44-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00033 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Bis(2-ethylhexyl) phthalate (DEHP)**

**117-81-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000024 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

**Bromate**

**15541-45-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Bromoacetic Acid**

**79-08-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Bromodichloromethane(Dichlorobromomethane)**

**75-27-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.062 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.062 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.062 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000037 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 04

**Bromoform**

**75-25-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0079 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0079 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.0079 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**Bromomethane (Methyl bromide)**

**74-83-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0014 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0014 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.0014 (mg/kg/day)		<b>Reference Concentration:</b> 5 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**n-Butanol (n-Butyl alcohol)**

**71-36-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2-Butanone (Methyl Ethyl Ketone)**

**78-93-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.039 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.039 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b> NJDWQI		<b>Basis:</b>

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**Butyl benzyl phthalate**

**85-68-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C/DEP		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Reference Dose:</b> 0.02 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> Group C Policy	<b>Basis:</b> IRIS		<b>Basis:</b>

**Cadmium**

**7440-43-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b> Group B1
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup> 0.0042
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.001 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS (RfD for water)	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS(RfD for food)		<b>Basis:</b> Cal 02

**Camphor**

**76-22-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.18 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Caprolactam**

**105-60-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.5 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.5 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC/IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**Carbazole**

**86-74-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup> 0.02		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup> 0.0000057
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> HEAST		<b>Basis:</b> HEASToral

**Carbofuran**

**1563-66-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Carbon disulfide**

**75-15-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**Carbon Tetrachloride**

**56-23-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 0.091 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.091 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.091 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.091 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000015 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**Chloramine**

**10599-90-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL -Maximum residential disinfectant level (MRDL)	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Chlordane****57-74-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 2.7 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 2.7 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 2.7 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 2.3 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0001 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**Chloride****16887-00-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE -RUL	<b>Basis:</b>	<b>Basis:</b> Red Book	<b>Basis:</b>		<b>Basis:</b>

**Chlorine Produced Oxidants****7782-50-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL -Maximum residential disinfectant level (MRDL)	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Chlorite**

7758-19-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**4-Chloroaniline (p-Chloroaniline)**

106-47-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup> 0.054	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.004 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.004 (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> ISC	<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	

**Chlorobenzene**

108-90-7

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b>	

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Chloroethane**

**75-00-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	0.0029	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> Interim Generic Criterion	<b>Basis:</b>	<b>Basis:</b> NCEA		<b>Basis:</b>

**Chloroform**

**67-66-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Reference Dose:</b> 0.01 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS (RfD considered protective for cancer)	<b>Basis:</b> IRIS (RfD considered protective for cancer)	<b>Basis:</b> IRIS (RfD considered protective for cancer)		<b>Basis:</b> IRIS

**2-Chloronaphthalene**

**91-58-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.08 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.08 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**2-Chlorophenol**

95-57-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Reference Dose:</b> 0.005 (mg/kg/day)		<b>Reference Concentration:</b> 18 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS Oral

**Chlorpyrifos**

2921-88-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.003 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Chromium (III)**

16065-83-1

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Chromium (VI) (soils = inhalation/dermatitis)**

**18540-29-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Chromium (Total)**

**7440-47-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.003 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.003 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b>		<b>Basis:</b>

**Chrysene**

**218-01-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0073e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0073 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.0073 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> RPF	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 02

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**Cobalt**

7440-48-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.02 (mg/kg/day)		<b>Reference Concentration:</b> 0.005 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC/NCEA	<b>Basis:</b>	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 97

**Coliform bacteria**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Color (measure by "Color Unit")**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Copper**

**7440-50-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.04 (mg/kg/day)		<b>Reference Concentration:</b> 2.4 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL Action Level	<b>Basis:</b> NPDWR/See B& B text	<b>Basis:</b> NR02	<b>Basis:</b> HEAST		<b>Basis:</b> Cal 05b

**Cumene (Isopropyl benzene)**

**98-82-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Cyanide (free cyanide)**

**57-12-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Reference Dose:</b> 0.02 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR03	<b>Basis:</b> IRIS		<b>Basis:</b>

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**4,4'-DDD (p,p'-TDE)**

**72-54-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.24 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.24 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.24 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000069 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 04

**4,4'-DDE**

**72-55-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000097 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 04

**4,4'-DDT**

**50-29-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.34 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000097 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**Dalapon (2,2-Dichloropropionic acid)**

**75-99-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.03 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Demeton**

**8065-48-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00004 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Dibenz(a,h)anthracene**

**53-70-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2	<b>Carcinogen Group :</b> Group B2	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7.3e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7.3 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 7.3 (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> RPF	<b>Basis:</b> NCEA	<b>Basis:</b> Cal 02	

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**Dibromoacetic Acid**

**631-64-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> FEDERAL	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Dibromochloromethane (Chlorodibromomethane)**

**124-48-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b> C	<b>Carcinogen Group :</b> C		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.084 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.084 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.084 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000027 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 04

**1,2-Dibromo-3-chloropropane (DBCP)**

**96-12-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.4 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.4 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.002 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b> HEAST		<b>Basis:</b> Cal 02

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**Dichlormid**

**37764-25-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> ISC/DEP	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Dichloroacetic acid**

**79-43-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**1,2-Dichlorobenzene (ortho)**

**95-50-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Reference Dose:</b> 0.086 (mg/kg/day)	<b>Reference Concentration:</b> 200 ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> HEAST 97	

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**1,3-Dichlorobenzene (meta)**

**541-73-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.086 (mg/kg/day)	<b>Reference Dose:</b> 0.086 (mg/kg/day)		<b>Reference Concentration:</b> 301 ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> A280oral

**1,4-Dichlorobenzene (para)**

**106-46-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C *		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.021 (mg/kg/day)	<b>Reference Dose:</b> 0.011 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b> RfD used was recommended by NJDWQI. NJDWQI RfD is less stringent the Federal RfD.	<b>Basis:</b> RfD used is basis for Federal MCL. Federal RfD is more stringent than the NJDWQI RfD		<b>Basis:</b> Cal 02

**3,3'-Dichlorobenzidine**

**91-94-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.45 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.45 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.45 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00034 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

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**1,1-Dichloroethane (1,1-DCA)**

**75-34-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000016 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0065 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.0065 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal 02

**1,2-Dichloroethane**

**107-06-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000026 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**cis-1,2-Dichloroethylene**

**156-59-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.01 (mg/kg/day)		<b>Reference Concentration:</b> 35 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b> NJDWQI		<b>Basis:</b> A280oral

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**trans-1,2-Dichloroethylene**

**156-60-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.017 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.017 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.017 (mg/kg/day)	<b>Reference Dose:</b> 0.017 (mg/kg/day)		<b>Reference Concentration:</b> 60 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> A280oral

**1,1-Dichloroethylene (1,1-DCE)**

**75-35-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C *		<b>Carcinogen Group :</b> Group C* (chemical)
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.00014 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00014 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00014 (mg/kg/day)	<b>Reference Dose:</b> 0.00014 (mg/kg/day)		<b>Reference Concentration:</b> 20 ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS/10

**2,4-Dichlorophenol**

**120-83-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.003 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.003 (mg/kg/day)	<b>Reference Dose:</b> 0.003 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**2,4-Dichlorophenoxyacetic acid (2,4-D)**

**94-75-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**1,2-Dichloropropane**

**78-87-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2 a	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2	<b>Carcinogen Group :</b> Group B2	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.068 a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.067 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.068 (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> 0.00001 (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST	<b>Basis:</b> NR02	<b>Basis:</b> HEAST	<b>Basis:</b> Cal 04	

**1,3-Dichloropropene (cis and trans)**

**542-75-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2	<b>Carcinogen Group :</b> Group B2	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.1 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.1 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.1 (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> 0.000004 (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR03	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	

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**Dieldrin**

**60-57-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 16 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 16 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 16 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> 0.0046 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Diethyl phthalate**

**84-66-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.8 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.8 (mg/kg/day)	<b>Reference Dose:</b> 0.8 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

**Diisodecyl phthalate (DIDP)**

**26761-40-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.018 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Diisopropyl ether (DIPE)**

**108-20-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 2.5 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2,4-Dimethyl phenol**

**105-67-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Reference Dose:</b> 0.02 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

**Di-n-butyl phthalate**

**84-74-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

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**4,6-Dinitro-O-Cresol (2 -Methyl-4 .6-Dinitrophenol)**

**534-52-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0001 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00039 (mg/kg/day)	<b>Reference Dose:</b> 0.0001 (mg/kg/day)		<b>Reference Concentration:</b> 0.4 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\NCEA	<b>Basis:</b> NR02	<b>Basis:</b> NCEA		<b>Basis:</b> NCEAoral

**2,4-Dinitrophenol**

**51-28-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.002 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.002 (mg/kg/day)	<b>Reference Dose:</b> 0.002 (mg/kg/day)		<b>Reference Concentration:</b> 7 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRISoral

**2,4-Dinitrotoluene**

**121-14-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.311 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.68 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000089 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

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**2,4-Dinitrotoluene/2,6-Dinitrotoluene Mix**

**25321-14-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.68 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.68 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**2,6-Dinitrotoluene**

**606-20-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.68 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00019 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b> IRISoral

**Di-n-octyl phthalate**

**117-84-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00000013 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.04 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NCEA		<b>Basis:</b> USEPA

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**Dinoseb**

**88-85-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.001 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**1,4-Dioxane**

**123-91-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.011 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Diphenyl ether**

**101-84-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.015 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**1,2-Diphenylhydrazine**

**122-66-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.8 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.8 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.8 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00022 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Diquat**

**85-00-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0022 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Endosulfan (alpha and beta)**

**115-29-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Reference Dose:</b> 0.006 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS		<b>Basis:</b>

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**alpha-Endosulfan (Endosulfan I)**

**959-98-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS (endosulfan)	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**beta-Endosulfan (Endosulfan II)**

**33213-65-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS (endosulfan)	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Endosulfan sulfate**

**1031-07-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Reference Dose:</b> 0.006 (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS(Endosulfan)	<b>Basis:</b> NR02	<b>Basis:</b> IRIS(Endosulfan)	<b>Basis:</b>	

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**Endothall**

145-73-3

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Endrin**

72-20-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0003 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0003 (mg/kg/day)	<b>Reference Dose:</b> 0.0003 (mg/kg/day)		<b>Reference Concentration:</b> 1 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR03	<b>Basis:</b> IRIS		<b>Basis:</b> Iris Oral

**Endrin aldehyde**

7421-93-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> Endrin	<b>Basis:</b>		<b>Basis:</b>

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**Epichlorohydrin**

**106-89-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0099 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Ethion**

**563-12-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Ethyl acetate**

**141-78-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.9 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Ethyl ether**

**60-29-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.2 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2-Ethyl-1-hexanol**

**104-76-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.036 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Ethylbenzene**

**100-41-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR03	<b>Basis:</b> IRIS		<b>Basis:</b>

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**Ethylene dibromide (EDB) (1,2-Dibromoethane)**

**106-93-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 85 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 2 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> 0.0006 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> Previous IRIS	<b>Basis:</b>	<b>Basis:</b> Current IRIS		<b>Basis:</b> IRIS

**Ethylene glycol**

**107-21-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.042 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Ethylene glycol monomethyl ether**

**109-86-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.001 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Fluoranthene**

**206-44-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Reference Dose:</b> 0.04 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

**Fluorene**

**86-73-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Reference Dose:</b> 0.04 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

**Fluoride**

**7782-41-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Fluoride**

16984-48-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Fluoride**

16984-48-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Foaming Agents (ABS/LAS)**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Formaldehyde**

**50-00-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.015 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> NJDWQ	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Freon 11 (Trichlorofluoromethane)**

**75-69-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.3 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**Freon 12 (Dichlorodifluoromethane)**

**75-71-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.2 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.2 (mg/kg/day)		<b>Reference Concentration:</b> 200 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b> HEAST 97

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**Glyphosate**

1071-83-6

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Gross Alpha**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Guthion**

86-50-0

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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## Hardness (as CaCO3)

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

## Heptachlor

76-44-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 4.5 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 4.5 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 4.5 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0013 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

## Heptachlor epoxide

1024-57-3

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 9.1 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 9.1 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 9.1 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0026 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**n-Heptane**

**142-82-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> Interim Generic Criterion	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Hexachlorobenzene**

**118-74-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.6 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.6 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.6 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00046 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Hexachlorobutadiene**

**87-68-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b> C	<b>Carcinogen Group :</b> C		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.078 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.078 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.078 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000022 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

## Hexachlorocyclopentadiene

77-47-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.006 (mg/kg/day)	<b>Reference Dose:</b> 0.006 (mg/kg/day)		<b>Reference Concentration:</b> 0.2 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR03	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

## Hexachloroethane

67-72-1

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b> C	<b>Carcinogen Group :</b> C		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000004 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

## Hexahydro-1,3,5-Trinitro-1,3,5-triazine (RDX)

121-82-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.11 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS\New Group C Approach	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Hexane (n-Hexane)**

**110-54-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0047 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2-Hexanone**

**591-78-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.04 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\NCEA	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Hydrogen sulfide (undissociated)**

**7783-06-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Indeno (1,2,3-cd)pyrene**

**193-39-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.073e (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.73 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> 0.073e appears in GWQS B&B table, but 0.73 was used to derive criterion & is consistent w/ info in footnote	<b>Basis:</b> RPF	<b>Basis:</b> NCEA		<b>Basis:</b> Cal 02

**Iron**

**7439-89-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Isophorone**

**78-59-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b> C	<b>Carcinogen Group :</b> C		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.00095 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.00095 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.00095 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Lead (Total)**

**7439-92-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> 0.1 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL Action Level	<b>Basis:</b> See B&B text	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> DEP BAQEv 91

**Malathion**

**121-75-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Manganese**

**7439-96-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.14 (mg/kg/day)		<b>Reference Concentration:</b> 0.05 ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**Mercury (Inorganic)**

**7439-97-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D f	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0003 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.0003 <sup>^</sup> (mg/kg/day)		<b>Reference Concentration:</b> 0.3 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> See B&B text	<b>Basis:</b> NR99	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Methanol**

**67-56-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.5 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2-(2-Methyl-4-chlorophenoxy) propionic acid (MCP)**

**93-65-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.001 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Methoxychlor**

**72-43-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.005 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NPDWR	<b>Basis:</b> IRIS		<b>Basis:</b>

**Methyl acetate**

**79-20-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b> HEAST		<b>Basis:</b>

**Methyl chloride (Chloromethane)**

**74-87-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000018 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> HEAST 97

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**Methyl salicylate**

119-36-8

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.5 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Methyl tert butyl ether (MTBE)**

1634-04-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C *		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00000026 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.01 (mg/kg/day)	<b>Reference Dose:</b> 0.01 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal 02

**Methylene chloride**

75-09-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.014 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> 400 ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal05a

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**2-Methylnaphthalene**

**91-57-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.004 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.004 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

**2-Methylphenol (o-Cresol)**

**95-48-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group : C *</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.005 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b>

**4-Methylphenol (p-Cresol)**

**106-44-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group : C *</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.0005 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> HEAST		<b>Basis:</b>

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**Metolachlor**

**51218-45-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.015 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Mirex**

**2385-85-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2a	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0002 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS/HEAST/See B&B text	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Molybdenum**

**7439-98-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Monochloroacetic acid**

**79-11-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Naphthalene**

**91-20-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> C/DEP		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.041 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.041 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.041 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal 04a

**Nickel (Soluble salts)**

**7440-02-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.02 (mg/kg/day)	<b>Reference Dose:</b> 0.02 (mg/kg/day)		<b>Reference Concentration:</b> 0.2 ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL - No MCL - Monitoring Required	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b> TERA 99

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**Nitrate (as N)**

**14797-55-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 1.6 (mg/kg/day)	<b>Oral Reference Dose:</b> 1.6 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b>	<b>Basis:</b>	

**Nitrate**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

**Nitrite**

**14797-65-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

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**2-Nitroaniline**

**88-74-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> 0.2 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> HEAST 97

**Nitrobenzene**

**98-95-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0005 (mg/kg/day)	<b>Reference Dose:</b> 0.0005 (mg/kg/day)		<b>Reference Concentration:</b> 2 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 05b

**n-Nitrosodiethylamine**

**55-18-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 150 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>		<b>Basis:</b>

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**n-Nitrosodimethylamine**

**62-75-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 51 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 51 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 51 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> 0.014 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**n-Nitrosodi-n-butylamine**

**924-16-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 5.43 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>		<b>Basis:</b>

**n-Nitrosodi-n-propylamine (Di-n-propylNitrosamine)**

**621-64-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 7 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor:</b> 0.002 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

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**n-Nitrosodiphenylamine**

**86-30-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0049 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.0049 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.0049 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000026 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 05

**n-Nitrosopyrrolidine**

**930-55-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 2.13 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>		<b>Basis:</b>

**n-Propanol**

**71-23-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> Interim Generic Criterion	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Odor (measure by Threshold Odor Number)**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Oil & Grease & Petroleum Hydrocarbons**

**oil - grease**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Oxamyl**

**23135-22-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.025 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Parathion**

**56-38-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0006 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS\HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Pentachlorobenzene**

**608-93-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0008 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>		<b>Basis:</b>

**Pentachlorophenol**

**87-86-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.12 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000051 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 02

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**Perchlorate**

**14797-73-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**pH**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE - Optimum range	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Phenanthrene**

**85-01-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group : D</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b> N&L TEF

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**Phenol**

**108-95-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Reference Dose:</b> 0.3 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS		<b>Basis:</b>

**Phosphorus (yellow)**

**7723-14-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**beta/Photon emitters**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

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**Picloram**

**1918-02-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**PBBs (Polybrominated biphenyls)**

**67774-32-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2a	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 8.9a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**PCBs (Polychlorinated biphenyls)**

**1336-36-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 2 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 2 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 2 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 2 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0001 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS/See B&B text	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

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**Pyrene**

**129-00-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000011 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.03 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.03 (mg/kg/day)	<b>Reference Dose:</b> 0.03 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> N&L TEF

**Radium-226 & Radium-228 combined**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Salicylic acid**

**69-72-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.014 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Selenium (Total)**

7782-49-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Reference Dose:</b> 0.005 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

**Silver**

7440-22-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.005 (mg/kg/day)	<b>Reference Dose:</b> 0.005 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS	<b>Basis:</b> IRIS		<b>Basis:</b>

**Simazine**

122-34-9

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Ca	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.12a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST/New Group C approach	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Sodium**

**7440-23-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Styrene**

**100-42-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup> 0.0000057
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day) 0.2	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day) 0.2		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b> IRIS		<b>Basis:</b> HEAST 91

**Sulfate**

**14808-79-8**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Taste**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**TDS (Total Dissolved Solids)**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL Recommended upper limit	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Tertiary-Butyl alcohol (TBA)**

**75-65-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> C/DEP		<b>Carcinogen Group :</b> Group C*(chemical)
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.018 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.018 (mg/kg/day)		<b>Reference Concentration:</b> 63 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b> DEP		<b>Basis:</b> DEP oral

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**1,2,4,5-Tetrachlorobenzene (TCB)**

**95-94-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0003 (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NR02	<b>Basis:</b>	<b>Basis:</b>	

**2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)**

**1746-01-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2a	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 150000a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 156000 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> HEAST	<b>Basis:</b> NR02	<b>Basis:</b>	<b>Basis:</b>	

**1,1,1,2-Tetrachloroethane**

**630-20-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>	<b>Carcinogen Group :</b>	
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.026 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>	
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)	<b>Reference Concentration:</b> ug/m <sup>3</sup>	
<b>Basis:</b>	<b>Basis:</b> IRIS/New Group C approach	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**1,1,2,2-Tetrachloroethane**

**79-34-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C/DEP		<b>Carcinogen Group :</b> Group C
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000058 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.000134 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.000134 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00014 (mg/kg/day)	<b>Reference Dose:</b> 0.000134 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**Tetrachloroethylene (PCE)**

**127-18-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 0.082 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.082 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.082 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.082 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000059 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal 02

**2,3,4,6-Tetrachlorophenol**

**58-90-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.03 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Tetrahydrofuran**

**109-99-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C*	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.002 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> DEP	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Thallium**

**7440-28-0**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.2 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.00007 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.000068 (mg/kg/day)	<b>Reference Dose:</b> 0.00007 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS/DEP	<b>Basis:</b> NR03	<b>Basis:</b> IRIS/DEP		<b>Basis:</b> RBD 2005 oral

**Toluene**

**108-88-3**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.08 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.08 (mg/kg/day)	<b>Reference Dose:</b> 0.08 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> Previous IRIS	<b>Basis:</b> NR03	<b>Basis:</b> Current IRIS		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Toxaphene**

**8001-35-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 1.1 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.00032 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> IRIS

**Trichloroacetic acid**

**76-03-9**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**1,2,4-Trichlorobenzene**

**120-82-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.0012 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0012 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0012 (mg/kg/day)	<b>Reference Dose:</b> 0.0012 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**1,1,1-Trichloroethane (TCA)**

**71-55-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.0037 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0037 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0037 (mg/kg/day)	<b>Reference Dose:</b> 0.0037 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b>

**1,1,2-Trichloroethane**

**79-00-5**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group:</b> C *	<b>Carcinogen Group :</b> C *		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.00039 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0039 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.0039 (mg/kg/day)	<b>Reference Dose:</b> 0.00039 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**2,4,5-Trichlorophenol**

**95-95-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.1 (mg/kg/day)	<b>Reference Dose:</b> 0.1 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b>

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**Trichloroethene (TCE) (Trichloroethylene)**

**79-01-6**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> 0.031 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.031 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.031 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.031 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000002 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> Cal 02

**2,4,6-Trichlorophenol**

**88-06-2**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group:</b> B2	<b>Carcinogen Group :</b> B2		<b>Carcinogen Group :</b> Group B2
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.026 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.026 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.026 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.0000031 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

**2-(2,4,5-Trichlorophenoxy)propionic acid (Silvex) (2,4,5-TP)**

**93-72-1**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.008 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**1,2,3-Trichloropropane**

**96-18-4**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> B2a	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 7a (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Trihalomethanes**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**2,4,6-Trinitrotoluene (TNT)**

**118-96-7**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> C	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.03 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> ISC\IRIS\New Group C Approach	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Turbidity**

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Uranium**

7440-61-1

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Vanadium**

7440-62-2

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.001 (mg/kg/day)		<b>Reference Concentration:</b> 4 ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b>	<b>Basis:</b> NCEA		<b>Basis:</b> RBC 2005oral

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**Vanadium pentoxide**

1314-62-1

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.009 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> IRIS	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Vinyl acetate**

108-05-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> Dc	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b>		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 1 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b>	<b>Basis:</b> HEAST	<b>Basis:</b>	<b>Basis:</b>		<b>Basis:</b>

**Vinyl chloride**

75-01-4

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group:</b> A	<b>Carcinogen Group :</b> A		<b>Carcinogen Group :</b> Group A
<b>Oral Slope Factor:</b> 0.42 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.42 (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> 0.42 (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> 0.42 (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> 0.000088 (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> FEDERAL MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI	<b>Basis:</b> NJDWQI		<b>Basis:</b> IRIS

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

**Xylenes (Total)**

1330-20-7

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b>	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> 0.15 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.15 (mg/kg/day)	<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Reference Dose:</b> 0.15 (mg/kg/day)		<b>Reference Concentration:</b> ug/m <sup>3</sup>
<b>Basis:</b> STATE MCL	<b>Basis:</b> NJDWQI	<b>Basis:</b>	<b>Basis:</b> DEP		<b>Basis:</b>

**Zinc**

7440-66-6

<u>Drinking water</u>	<u>Ground water</u>	<u>Surface water</u>	<u>Oral</u>	<u>Soil</u>	<u>Inhalation</u>
<b>Carcinogen Group:</b>	<b>Carcinogen Group:</b> D	<b>Carcinogen Group:</b> D	<b>Carcinogen Group :</b> D		<b>Carcinogen Group :</b>
<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Oral Slope Factor:</b> (mg/kg/day) <sup>-1</sup>	<b>Slope Factor:</b> (mg/kg/day) <sup>-1</sup>		<b>Unit Risk Factor</b> (ug/m <sup>3</sup> ) <sup>-1</sup>
<b>Oral Reference Dose:</b> (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Oral Reference Dose:</b> 0.3 (mg/kg/day)	<b>Reference Dose:</b> 0.3 (mg/kg/day)		<b>Reference Concentration:</b> 0.9 ug/m <sup>3</sup>
<b>Basis:</b> STATE RUL - Recommended upper limit	<b>Basis:</b> IRIS	<b>Basis:</b> NR02	<b>Basis:</b> IRIS		<b>Basis:</b> Cal 97

\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.

## Drinking Water - Notes

1. The Reference Doses for the Group C chemicals incorporate an additional uncertainty factor of 10 for possible carcinogenicity.
2. Toxicity factors were developed by the NJDWQI under the A-280 process for the following chemicals, but MCLs were not adopted for unrelated reasons, such as lack of a standardized analytical method for drinking water: Ethylene glycol, formaldehyde, hexane, methyl ethyl ketone, and 2,4,6-trichlorophenol.
3. The New Jersey MCL for 1,4-Dichlorobenzene was adopted from USEPA, but New Jersey did not necessarily agree with the USEPA RfD, so it is not included on this table

## Ground Water - Footnotes

a = from USEPA, Health Effects Assessment Summary Tables, FY 1997 Update, OSWER 9200.6.303 (97-1), EPA-540-R-97-036, PB97-921199, July 1997.

b = existing drinking water Maximum Contaminant Level Goal (MCLG) (CFR Part 141 - National Primary Drinking Water Regulations). For beryllium see Section IV-d of the Basis and Background.

c = developed by the Department for calculating ISCs. For details on developing specific RfD, slope factor, or carcinogen class equivalent to USEPA categorization, see support document available by request to the Department.

d = Slope factor and carcinogen group of arsenic are those listed in IRIS under arsenic (inorganic); RfDs of chromium, mercury, and nickel are those listed in IRIS under chromium (VI), mercuric chloride, and nickel (soluble salts), respectively. The RfD for thallium was developed by the Department based on the RfD of thallium(I) sulfate in IRIS.

e = derived by multiplying the IRIS slope factor of B(a)P of 7.3 (mg/kg-day)<sup>-1</sup> with the "estimated order of potential potency" for the individual Group B2 PAHs recommended in USEPA "Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons", Office of Research and Development, EPA/600/R-93/089. The relative potencies based on that of benzo(a)pyrene as 1.0 are as follows: benz(a)anthracene, 0.1; benzo(b)fluoranthene, 0.1; benzo(k)fluoranthene, 0.01; chrysene, 0.001; dibenz(a, h)anthracene, 1.0; indeno(1,2,3-c,d)pyrene, 0.1.

f = Group D categorization of mercury based on USEPA National Primary Drinking Water Regulations; Final Rule. 56 FR 3537, Jan 30, 1991. For detailed discussion on Group D categorization of mercury, see Section IV-o in this Basis and Background.

\*\* = The carcinogen group assigned to acrolein in IRIS is the descriptor, "data are inadequate for an assessment of human carcinogenic potential" which is equivalent to Group D.7

## Surface Water - Footnotes

^ The carcinogen group assigned to acrolein in IRIS is the descriptor, "data are inadequate for an assessment of human carcinogenic potential" which is equivalent to Group D.

+ See text on cadmium. For RfD for cadmium, "(w)" stands for water. "(f)" stands for food.

# The BCF for MTBE was derived from its octanol-water partition coefficient of 1.05 (New Jersey Drinking Water Quality Institute. Maximum Contaminant Level Recommendations for Hazardous Contaminants in Drinking Water. September 26, 1994. Appendix A, Health-Based Maximum Contaminant Level Support Documents and Addenda. p. A-32) based on the equations given in the USEPA's Draft Water Quality Criteria Methodology: Human Health. EPA 822-Z-98-001. August 1998.

\* The criterion for lead remains unchanged. The criteria for nickel are based on data from 2002 Calculation Matrix updated by the current fish consumption rate of 17.5 g/day.

## Soil - Footnotes

1. Carcinogen Classification - All classifications are based on IRIS unless stated otherwise

1999 Cancer Draft Guidelines:

KNOWN - Known carcinogen

CANTDET - Can not determine carcinogenic classification

LIK - Likely to be a human carcinogen

NLIK - Not likely to be a carcinogen

INAD - Inadequate data

ORL - Oral exposure route

INHL - Inhalation exposure route

1986 Cancer Guidelines:

Group A - Human carcinogen

Group B - Probable human carcinogen

Group B2 - Sufficient evidence from animal studies and inadequate or no data from epidemiologic studies

Group C - Possible human carcinogen

Group D - Not classifiable as to human carcinogenicity

Group E - Evidence on non-carcinogenicity for humans

*\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.*

## 2. References:

- Cal 97 - California Environmental Protection Agency, Determination of Chronic Toxicity Reference Exposure Levels (Draft), October 1998.
- Cal 02 - California Environmental Protection Agency, Air Toxics Hot Spots Program Risk Assessment Guidelines, Part II – Technical Support Document for Describing Available Cancer Potency Factors, December 2002.
- Cal 04 - California Environmental Protection Agency Toxicity Criteria Database ([www.oehha.ca.gov/risk/Chemical DB.index.asp](http://www.oehha.ca.gov/risk/Chemical%20DB.index.asp)), updated 9.24.2004.
- Cal 04a - See notice at [www.oehha.ca.gov/air/hot\\_spots/naphth.html](http://www.oehha.ca.gov/air/hot_spots/naphth.html) (posted 8/3/2004)
- Cal 05a - California Office of Environmental Health Hazard Assessment (OEHHA), "All Chronic Reference Exposure Levels Adopted by OEHHA as of February 2005" ([www.oehha.ca.gov/air/chronic\\_rels/AllChrels.html](http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html)).
- Cal 05b - California Air Resources Board (ARB), "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values," updated 4/25/05; ([www.arb.ca.gov/toxics/healthval/healthval.htm](http://www.arb.ca.gov/toxics/healthval/healthval.htm))
- DEP- NJ Department of Environmental Protection
- DEP BAQEv 91 - Derived by NJDEP Bureau of Air Quality Evaluation, based on USEPA's LEAD5 Model (Lead Uptake/Biokinetic Model) Version 5.
- IRIS - Integrated Risk Information System
- HEAST- Health Effects Assessment Summary Tables
- NL TEF - Nisbet, I.C.T, and P.K. LaGoy, 1992, Toxic Equivalency factors for polycyclic aromatic hydrocarbons, Reg. Toxicol. Pharmacol. 16:290-300. See Table 4, page 296.
- NCEA - National Center for Environmental Assessment/EPA Provisional Value
- NJDWQI - New Jersey Drinking Water Quality Institute
- RBC 2005 - USEPA Region 3 Risk Based Concentration Table, April 2005 ([www.epa.gov/reg3hwmd/risk/human/index.htm](http://www.epa.gov/reg3hwmd/risk/human/index.htm))
- TERA 99 - Toxicology Excellence for Risk Assessment, Toxicology Review of Soluble Nickel Salts, March 1999.

USEPA 85 - USEPA, The Air Toxics Problem in the United States: An Analysis of Cancer Risks for Selected Pollutants, Office of Air and Radiation, Washington, D.C., 1985, EPA-450-85- 001. See Attachment A, Summary Table.

Reference with "oral" subscript use converted oral toxicity data in the absence of inhalation data.  
For NL TEFs, this is the toxicity equivalency factor applied to the URF for benzo(a)pyrene (BAP).

- \* - DEP C Carcinogen Policy: RfD or RfC includes an additional safety factor of 10
- A-280 - Chemicals regulated under A-280 Amendments to NJ Safe Drinking water Act (P. L. 1983, c.443)
- Blanks indicate that no information is available
- Mercury<sup>+</sup> - standard is based on RfD for mercuric chloride (CAS# 007487-94-7)

*\* Reference Doses or Concentration for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses or Concentrations used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses or Concentrations may or may not be shown with this uncertainty factor incorporated.*