### Toxicity Factors for Tetrahydrofuran

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

<table>
<thead>
<tr>
<th>Medium</th>
<th>Carcinogen Group</th>
<th>Oral Slope Factor</th>
<th>Oral Reference Dose</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drinking water</strong></td>
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<tr>
<td><strong>Ground water</strong></td>
<td>C*</td>
<td>(mg/kg/day)$^{-1}$</td>
<td>0.002 (mg/kg/day)</td>
<td>DEP</td>
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<tr>
<td><strong>Surface water</strong></td>
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<tr>
<td><strong>Soil</strong></td>
<td>Carcinogen Group</td>
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<tr>
<td></td>
<td>Slope Factor</td>
<td>(mg/kg/day)$^{-1}$</td>
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<tr>
<td></td>
<td>Reference Dose</td>
<td>(mg/kg/day)</td>
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<tr>
<td></td>
<td>Basis</td>
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</tbody>
</table>

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

2. References:

- **IRIS** - Integrated Risk Information System
- **HEAST** - Health Effects Assessment Summary Tables
- **NCEA** - National Center for Environmental Assessment/EPA Provisional Value
- **DEP** - NJ Department of Environmental Protection
- **NR02** - EPA National Recommended Water Quality Criteria 2002

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### Ground Water - Footnotes

- **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.

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### Surface Water - Footnotes

- **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.

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### Drinking Water - Footnotes

- **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.

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### Soil - Footnotes

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.

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See additional footnote explanations on last page.