**106-89-8**

**Drinking water**

| Carcinogen Group: |  
| Oral Slope Factor: | (mg/kg/day)⁻¹ |  
| Oral Reference Dose: | (mg/kg/day) |  
| Basis: |  

**Ground water**

| Carcinogen Group: | B2 |  
| Oral Slope Factor: | 0.0099 (mg/kg/day)⁻¹ |  
| Oral Reference Dose: | (mg/kg/day) |  
| Basis: | IRIS |  

**Surface water**

| Carcinogen Group: |  
| Oral Slope Factor: | (mg/kg/day)⁻¹ |  
| Oral Reference Dose: | (mg/kg/day) |  
| Basis: |  

**Soil**

<table>
<thead>
<tr>
<th>Oral</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogen Group:</td>
<td>Carcinogen Group:</td>
</tr>
<tr>
<td>Slope Factor:</td>
<td>Unit Risk Factor</td>
</tr>
<tr>
<td>(mg/kg/day)⁻¹</td>
<td>(ug/m³)⁻¹</td>
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<tr>
<td>Reference Dose:</td>
<td>Reference</td>
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<tr>
<td>(mg/kg/day)</td>
<td>Concentration:</td>
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<tr>
<td></td>
<td>(ug/m³)³</td>
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<tr>
<td>Basis:</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.
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
b = existing drinking water Maximum Concentrable 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 ISC's. 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 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.

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.7

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.

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