

US EPA ARCHIVE DOCUMENT

Table CO1. Results for All Cohorts: Solids - unitless

| Solids - 2000m    |           | Scenario 1   |        |               |               |                    |               | Scenario 2 |        |               |               |                    |               |         |        |               |               |                    |               |
|-------------------|-----------|--------------|--------|---------------|---------------|--------------------|---------------|------------|--------|---------------|---------------|--------------------|---------------|---------|--------|---------------|---------------|--------------------|---------------|
|                   |           | 10-6 99% Pop |        | 95% Prob      |               | HH (0.1)           |               | Eco (1)    |        | 10-6 99% Pop  |               | 90% Prob           |               | HH (1)  |        | Eco (1)       |               |                    |               |
|                   |           | Infants      |        | 1-12 yrs old  |               | 13 yrs old & older |               | Infants    |        | 1-12 yrs old  |               | 13 yrs old & older |               | Infants |        | 1-12 yrs old  |               | 13 yrs old & older |               |
| Chemical Name     | CASRN     | Risk         | HQ     | Risk          | HQ            | Risk               | HQ            | Risk       | HQ     | Risk          | HQ            | Risk               | HQ            | Risk    | HQ     | Risk          | HQ            |                    |               |
| Acrylonitrile     | 107-13-1  | NA           | NA     | = 5E-06,(ing) | = 1E-02,(ing) | < 1E-06,(ing)      | < 1E-01,(inh) | NA         | NA     | = 5E-06,(ing) | = 8E-03,(ing) | < 1E-06,(ing)      | < 1E-01,(inh) | NA      | NA     | = 5E-06,(ing) | = 8E-03,(ing) | < 1E-06,(ing)      | < 1E-01,(inh) |
| Benzene           | 71-43-2   | NA           | NA     | = 8E-07,(cmb) | note 3        | = 2E-06,(cmb)      | note 3        | NA         | NA     | = 7E-07,(cmb) | note 3        | = 2E-06,(cmb)      | note 3        | NA      | NA     | = 7E-07,(cmb) | note 3        | = 2E-06,(cmb)      | note 3        |
| Pentachlorophenol | 87-86-5   | NA           | NA     | = 5E-07,(ing) | < 1E-01,(inh) | = 6E-07,(ing)      | < 1E-01,(inh) | NA         | NA     | = 9E-07,(ing) | < 1E-01,(inh) | = 9E-07,(ing)      | < 1E-01,(inh) | NA      | NA     | = 9E-07,(ing) | < 1E-01,(inh) | = 9E-07,(ing)      | < 1E-01,(inh) |
| Mercury           | 7439-97-6 | NA           | NA     | note 2        | < 1E-01,(inh) | note 2             | < 1E-01,(inh) | NA         | NA     | note 2        | < 1E-01,(inh) | note 2             | < 1E-01,(inh) | NA      | NA     | note 2        | < 1E-01,(inh) | note 2             | < 1E-01,(inh) |
| Lead              | 7439-92-1 | note 1       | note 1 | note 1        | note 1        | note 1             | note 1        | note 1     | note 1 | note 1        | note 1        | note 1             | note 1        | note 1  | note 1 | note 1        | note 1        | note 1             | note 1        |
|                   |           | Scenario 3   |        |               |               |                    |               | Scenario 4 |        |               |               |                    |               |         |        |               |               |                    |               |
|                   |           | 10-5 99% Pop |        | 90% Prob      |               | HH (1)             |               | Eco (1)    |        | 10-5 95% Pop  |               | 90% Prob           |               | HH (1)  |        | Eco (10)      |               |                    |               |
|                   |           | Infants      |        | 1-12 yrs old  |               | 13 yrs old & older |               | Infants    |        | 1-12 yrs old  |               | 13 yrs old & older |               | Infants |        | 1-12 yrs old  |               | 13 yrs old & older |               |
| Chemical Name     | CASRN     | Risk         | HQ     | Risk          | HQ            | Risk               | HQ            | Risk       | HQ     | Risk          | HQ            | Risk               | HQ            | Risk    | HQ     | Risk          | HQ            |                    |               |
| Acrylonitrile     | 107-13-1  | NA           | NA     | = 1E-05,(ing) | = 2E-01,(ing) | < 1E-05,(ing)      | < 1E-01,(ing) | NA         | NA     | < 1E-05,(ing) | < 1E-01,(ing) | < 1E-05,(ing)      | < 1E-01,(ing) | NA      | NA     | < 1E-05,(ing) | < 1E-01,(ing) |                    |               |
| Benzene           | 71-43-2   | NA           | NA     | = 9E-06,(cmb) | note 3        | = 6E-05,(cmb)      | note 3        | NA         | NA     | < 5E-07,(cmb) | note 3        | < 5E-07,(cmb)      | note 3        | NA      | NA     | < 5E-07,(cmb) | note 3        |                    |               |
| Pentachlorophenol | 87-86-5   | NA           | NA     | = 4E-06,(ing) | < 1E-01,(inh) | = 4E-06,(ing)      | < 1E-01,(inh) | NA         | NA     | = 5E-07,(ing) | < 1E-01,(inh) | = 8E-06,(ing)      | < 1E-01,(inh) | NA      | NA     | = 5E-07,(ing) | < 1E-01,(inh) |                    |               |
| Mercury           | 7439-97-6 | NA           | NA     | note 2        | < 1E-01,(inh) | note 2             | < 1E-01,(inh) | NA         | NA     | note 3        | < 1E-01,(inh) | note 2             | < 1E-01,(inh) | NA      | NA     | note 3        | < 1E-01,(inh) |                    |               |
| Lead              | 7439-92-1 | note 1       | note 1 | note 1        | note 1        | note 1             | note 1        | note 1     | note 1 | note 1        | note 1        | note 1             | note 1        | note 1  | note 1 | note 1        | note 1        |                    |               |

- note 1: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- NA: Not Applicable