

US EPA ARCHIVE DOCUMENT

Table CO4. Results for All Cohorts: Landfills - unitless

| Landfills - 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 | Risk | HQ |
| Acrylonitrile | 107-13-1 | NA | NA | = 1E-06,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | NA | NA | = 9E-07,(ing) | < 1E-01,(inh) | < 1E-06,(ing) | < 1E-01,(inh) | NA | NA | = 2E-06,(cmb) | note 3 | = 3E-06,(cmb) | note 3 |
| Benzene | 71-43-2 | NA | NA | = 2E-06,(cmb) | note 3 | = 3E-06,(cmb) | note 3 | NA | NA | = 2E-06,(cmb) | note 3 | = 2E-06,(cmb) | note 3 | NA | NA | = 9E-07,(ing) | < 1E-01,(inh) | = 9E-07,(ing) | < 1E-01,(inh) |
| 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 | note 2 | < 1E-01,(inh) | note 2 | < 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 1 | note 1 | note 1 | note 1 |
| 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 | Risk | HQ |
| Acrylonitrile | 107-13-1 | NA | NA | = 1E-05,(ing) | = 5E-01,(ing) | = 2E-05,(ing) | = 6E-01,(ing) | NA | NA | < 1E-05,(ing) | < 1E-01,(ing) | < 1E-05,(ing) | < 1E-01,(ing) | NA | NA | < 5E-07,(cmb) | note 3 | < 5E-07,(cmb) | note 3 |
| Benzene | 71-43-2 | NA | NA | < 1E-05,(cmb) | note 3 | < 1E-05,(cmb) | note 3 | NA | NA | = 5E-07,(ing) | < 1E-01,(inh) | = 8E-06,(ing) | < 1E-01,(inh) | NA | NA | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) |
| Pentachlorophenol | 87-86-5 | NA | NA | = 4E-06,(ing) | < 1E-01,(inh) | = 4E-06,(ing) | < 1E-01,(inh) | NA | NA | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | NA | NA | note 1 | note 1 | note 1 | note 1 |
| Mercury | 7439-97-6 | NA | NA | note 2 | < 1E-01,(inh) | note 2 | < 1E-01,(inh) | NA | NA | note 1 | note 1 | note 1 | note 1 | NA | NA | note 1 | note 1 | note 1 | note 1 |
| 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 |

- 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