# ADMINISTRATIVE INFORMATION

Name : CSM_A_3hor flux

Label : YV

Application type : II Site specific risk assessment

Region Wallonia

Description : RI1

## RESULTS

**Benzene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 |
|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 |
| RI_inhal | 9.893E-1 | 6.754E-1 | 4.694E-1 |
| RI overall | 9.893E-1 | 6.754E-1 | 4.694E-1 |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 |
| | 1 to 6y | 6 to 15y | 15 to 70y |
| RI_inhal | | | |

| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR_inhal | 1.781E-5 | 1.216E-5 | 8.45E-6 | 9.595E-6 |
| ExCR overall | 1.781E-5 | 1.216E-5 | 8.45E-6 | 9.595E-6 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |

| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | 2.931E-3 | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *2.97E-3* | *100.00* | *2.03E-3* | *100.00* | *1.41E-3* | *100.00* |
| Exposure concentration outdoor inhalation | 1.14E-6 | 0.04 | 1.02E-6 | 0.05 | 2.95E-7 | 0.02 |
| Exposure concentration indoor inhalation | 2.97E-3 | 99.96 | 2.03E-3 | 99.95 | 1.41E-3 | 99.98 |
| Exposure concentration inhalation while | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

| |
|---|
| showering |

**Local versus background exposure**

| | 1 -< 6 yr | % | 6 -< 15 yr | % | 15 - 71 yr | % |
|---|---|---|---|---|---|---|
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 2.97E-3 | 100.00 | 2.03E-3 | 100.00 | 1.41E-3 | 100.00 |

**Toluene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 9.748E-1 | 6.655E-1 | 4.626E-1 | |
| RI overall | 9.748E-1 | 6.655E-1 | 4.626E-1 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_dermal | | | | |

| | | | | |
|---|---|---|---|---|
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Environmental CI | Drinking water | | Ambient air | | Indoor air | | |
| | | | | | | | |
| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
| | | | | | | | |
| Animal feed CI | Grass | | Maize | | | | |
| | | | | | | | |

| | | | | |
|---|---|---|---|---|
| Vegetables CI | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *2.53E-1* | *100.00* | *1.73E-1* | *100.00* | *1.2E-1* | *100.00* |
| Exposure concentration outdoor inhalation | 9.68E-5 | 0.04 | 8.68E-5 | 0.05 | 2.51E-5 | 0.02 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration indoor inhalation | 2.53E-1 | 99.96 | 1.73E-1 | 99.95 | 1.2E-1 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 2.53E-1 | 100.00 | 1.73E-1 | 100.00 | 1.2E-1 | 100.00 |

**Ethylbenzene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 2.413E-2 | 1.647E-2 | 1.145E-2 | |
| RI overall | 2.413E-2 | 1.647E-2 | 1.145E-2 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR_inhal | 1.81E-5 | 1.236E-5 | 8.587E-6 | 9.751E-6 |
| ExCR overall | 1.81E-5 | 1.236E-5 | 8.587E-6 | 9.751E-6 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *7.24E-3* | *100.00* | *4.94E-3* | *100.00* | *3.43E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.74E-6 | 0.04 | 2.45E-6 | 0.05 | 7.09E-7 | 0.02 |
| Exposure concentration indoor inhalation | 7.24E-3 | 99.96 | 4.94E-3 | 99.95 | 3.43E-3 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 7.24E-3 | 100.00 | 4.94E-3 | 100.00 | 3.43E-3 | 100.00 |

**m-Xylene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 |
|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 |
| RI_inhal | 1.008E0 | 6.879E-1 | 4.781E-1 |
| RI overall | 1.008E0 | 6.879E-1 | 4.781E-1 |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 |
| | 1 to 6y | 6 to 15y | 15 to 70y |
| RI_inhal | | | |

| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *1.01E-1* | *100.00* | *6.88E-2* | *100.00* | *4.78E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.8E-5 | 0.04 | 3.41E-5 | 0.05 | 9.83E-6 | 0.02 |
| Exposure concentration indoor inhalation | 1.01E-1 | 99.96 | 6.88E-2 | 99.95 | 4.78E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 1.01E-1 | 100.00 | 6.88E-2 | 100.00 | 4.78E-2 | 100.00 |

**Naphthalene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | | | | |
| RI_inhal | | | | |
| RI overall | | | | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR_inhal | 1.823E-5 | 1.244E-5 | 8.648E-6 | 9.82E-6 |
| ExCR overall | 1.823E-5 | 1.244E-5 | 8.648E-6 | 9.82E-6 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *5.36E-4* | *100.00* | *3.66E-4* | *100.00* | *2.54E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.99E-7 | 0.04 | 1.78E-7 | 0.05 | 5.14E-8 | 0.02 |
| Exposure concentration indoor inhalation | 5.36E-4 | 99.96 | 3.66E-4 | 99.95 | 2.54E-4 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 5.36E-4 | 100.00 | 3.66E-4 | 100.00 | 2.54E-4 | 100.00 |

**TPH aliphatic (EC 5-6)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI overall | 0.0E0 | 0.0E0 | 0.0E0 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration indoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration inhalation while showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**TPH aliphatic (EC >10-12)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 8.506E-1 | 5.808E-1 | 4.036E-1 | |
| RI overall | 8.506E-1 | 5.808E-1 | 4.036E-1 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *8.51E-1* | *100.00* | *5.81E-1* | *100.00* | *4.04E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.31E-4 | 0.04 | 2.96E-4 | 0.05 | 8.55E-5 | 0.02 |
| Exposure concentration indoor inhalation | 8.5E-1 | 99.96 | 5.8E-1 | 99.95 | 4.04E-1 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 8.51E-1 | 100.00 | 5.81E-1 | 100.00 | 4.04E-1 | 100.00 |

**TPH aliphatic (EC >12-16)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 8.27E-2 | 5.646E-2 | 3.924E-2 | |
| RI overall | 8.27E-2 | 5.646E-2 | 3.924E-2 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *8.27E-2* | *100.00* | *5.65E-2* | *100.00* | *3.92E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.21E-5 | 0.04 | 2.88E-5 | 0.05 | 8.32E-6 | 0.02 |
| Exposure concentration indoor inhalation | 8.27E-2 | 99.96 | 5.64E-2 | 99.95 | 3.92E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 8.27E-2 | 100.00 | 5.65E-2 | 100.00 | 3.92E-2 | 100.00 |

**TPH aliphatic (EC >16-21)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 3.641E-4 | 2.486E-4 | 1.728E-4 | |
| RI overall | 3.641E-4 | 2.486E-4 | 1.728E-4 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *2.55E-3* | *100.00* | *1.74E-3* | *100.00* | *1.21E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 9.91E-7 | 0.04 | 8.88E-7 | 0.05 | 2.56E-7 | 0.02 |
| Exposure concentration indoor inhalation | 2.55E-3 | 99.96 | 1.74E-3 | 99.95 | 1.21E-3 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 2.55E-3 | 100.00 | 1.74E-3 | 100.00 | 1.21E-3 | 100.00 |

**TPH aliphatic (EC >21-35)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI overall | 0.0E0 | 0.0E0 | 0.0E0 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration indoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration inhalation while showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**TPH aliphatic (EC >6-8)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 2.426E-2 | 1.657E-2 | 1.151E-2 | |
| RI overall | 2.426E-2 | 1.657E-2 | 1.151E-2 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *4.46E-1* | *100.00* | *3.05E-1* | *100.00* | *2.12E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.74E-4 | 0.04 | 1.56E-4 | 0.05 | 4.49E-5 | 0.02 |
| Exposure concentration indoor inhalation | 4.46E-1 | 99.96 | 3.05E-1 | 99.95 | 2.12E-1 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 4.46E-1 | 100.00 | 3.05E-1 | 100.00 | 2.12E-1 | 100.00 |

**TPH aliphatic (EC >8-10)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 8.882E-1 | 6.064E-1 | 4.214E-1 | |
| RI overall | 8.882E-1 | 6.064E-1 | 4.214E-1 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *8.88E-1* | *100.00* | *6.06E-1* | *100.00* | *4.21E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.45E-4 | 0.04 | 3.09E-4 | 0.05 | 8.93E-5 | 0.02 |
| Exposure concentration indoor inhalation | 8.88E-1 | 99.96 | 6.06E-1 | 99.95 | 4.21E-1 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 8.88E-1 | 100.00 | 6.06E-1 | 100.00 | 4.21E-1 | 100.00 |

**TPH aromatic (EC >6-7)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI overall | 0.0E0 | 0.0E0 | 0.0E0 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR_inhal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR overall | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | 0.0E0 | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration indoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration inhalation while showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**TPH aromatic (EC >7-8)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI overall | 0.0E0 | 0.0E0 | 0.0E0 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration indoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration inhalation while showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**TPH aromatic (EC >8-10)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 9.56E-1 | 6.527E-1 | 4.536E-1 | |
| RI overall | 9.56E-1 | 6.527E-1 | 4.536E-1 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *1.91E-1* | *100.00* | *1.31E-1* | *100.00* | *9.07E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 7.43E-5 | 0.04 | 6.65E-5 | 0.05 | 1.92E-5 | 0.02 |
| Exposure concentration indoor inhalation | 1.91E-1 | 99.96 | 1.3E-1 | 99.95 | 9.07E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 1.91E-1 | 100.00 | 1.31E-1 | 100.00 | 9.07E-2 | 100.00 |

**TPH aromatic (EC >10-12)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 1.558E-1 | 1.063E-1 | 7.391E-2 | |
| RI overall | 1.558E-1 | 1.063E-1 | 7.391E-2 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *3.12E-2* | *100.00* | *2.13E-2* | *100.00* | *1.48E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.21E-5 | 0.04 | 1.08E-5 | 0.05 | 3.13E-6 | 0.02 |
| Exposure concentration indoor inhalation | 3.11E-2 | 99.96 | 2.13E-2 | 99.95 | 1.48E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 3.12E-2 | 100.00 | 2.13E-2 | 100.00 | 1.48E-2 | 100.00 |

**TPH aromatic (EC >12-16)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 2.463E-1 | 1.682E-1 | 1.169E-1 | |
| RI overall | 2.463E-1 | 1.682E-1 | 1.169E-1 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *4.93E-2* | *100.00* | *3.36E-2* | *100.00* | *2.34E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.9E-5 | 0.04 | 1.71E-5 | 0.05 | 4.93E-6 | 0.02 |
| Exposure concentration indoor inhalation | 4.92E-2 | 99.96 | 3.36E-2 | 99.95 | 2.34E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | % | 6 -< 15 yr | % | 15 - 71 yr | % |
|---|---|---|---|---|---|---|
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 4.93E-2 | 100.00 | 3.36E-2 | 100.00 | 2.34E-2 | 100.00 |

**TPH aromatic (EC >16-21)**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 1.798E-2 | 1.228E-2 | 8.532E-3 | |
| RI overall | 1.798E-2 | 1.228E-2 | 8.532E-3 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *1.89E-3* | *100.00* | *1.29E-3* | *100.00* | *8.96E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 7.23E-7 | 0.04 | 6.48E-7 | 0.05 | 1.87E-7 | 0.02 |
| Exposure concentration indoor inhalation | 1.89E-3 | 99.96 | 1.29E-3 | 99.95 | 8.96E-4 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 1.89E-3 | 100.00 | 1.29E-3 | 100.00 | 8.96E-4 | 100.00 |

**TPH aromatic (EC >21-35)**

**Risk indexes**

| | | | | |
|---|---|---|---|---|
| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI overall | 0.0E0 | 0.0E0 | 0.0E0 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration indoor inhalation | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Exposure concentration inhalation while showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local exposure concentration | 0.0E0 | | 0.0E0 | | 0.0E0 | |

**Methyl-t-butylether**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 2.404E-2 | 1.641E-2 | 1.141E-2 | |
| RI overall | 2.404E-2 | 1.641E-2 | 1.141E-2 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| ExCR_inhal | 1.875E-5 | 1.28E-5 | 8.898E-6 | 1.01E-5 |
| ExCR overall | 1.875E-5 | 1.28E-5 | 8.898E-6 | 1.01E-5 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

| | | | | |
|---|---|---|---|---|
| pRI_dermal | | | | |
| pRI_inhal | | | | |
| pRI overall | | | | |
| Pseudo-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| pRI_oral | | | | |
| pRI_inhal | | | | |

**Concentration indexes**

| Environmental CI | Drinking water | Ambient air | Indoor air |
|---|---|---|---|
| | | | |

| Animal product CI | Beef | Sheep | Liver | Kidney | Milk | Butter | Eggs |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Animal feed CI | Grass | Maize |
|---|---|---|
| | | |

| Vegetables CI | | | | |
|---|---|---|---|---|
| | potato | | cauliflower and broccoli | |
| | carrot | | Brussels sprouts | |
| | scorzonera and parsnip | | lettuce | |
| | other root vegetables (as radish) | | lambs lettuce | |
| | bulbous vegetables (as onion) | | endive | |
| | leek | | spinach | |
| | tomato | | chicory | |
| | cucumber | | celery | |
| | other fruit vegetables (as paprika) | | beans | |
| | cabbage | | peas | |

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *7.21E-2* | *100.00* | *4.92E-2* | *100.00* | *3.42E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.75E-5 | 0.04 | 2.47E-5 | 0.05 | 7.13E-6 | 0.02 |
| Exposure concentration indoor inhalation | 7.21E-2 | 99.96 | 4.92E-2 | 99.95 | 3.42E-2 | 99.98 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 7.21E-2 | 100.00 | 4.92E-2 | 100.00 | 3.42E-2 | 100.00 |

# CONCEPTUAL SITE MODEL

## Scenario

Land use: Residential only inhal Based on: Residential without garden

Exposure pathways

| | |
|---|---|
| Oral intake of soil and indoor settled dust | |
| Intake via vegetables | |
| Intake via meat and milk | |
| Intake via eggs | |
| Oral intake via water | |
| Dermal uptake from soil and indoor settled dust | |
| Dermal uptake from water (shower and bath) | X |
| Inhalation via ambient air | X |
| Inhalation via indoor air | X |
| Inhalation during showering | X |

Justification test TSW

**Soil characteristics**

**Soil**

| Standard loam | | Justification |
|---|---|---|
| Soil type | Standard loam | |
| Top of layer (m) | 0.0E0 | |
| Organic matter (%) | 2.5E0 | |

| | | |
|---|---|---|
| Clay content (%) | 1.4E1 | |
| pH_KCl | 5.8E0 | |
| Bulk density ρ_s (kg/m³) | 1.22E3 | |
| Air-filled porosity θ_a (m³/m³) | 2.02E-1 | |
| Water-filled porosity θ_w (m³/m³) | 3.45E-1 | |
| Total soil porosity θ_s (m³/m³) | 5.47E-1 | |
| Soil air permeability (m²) | 2.3E-14 | |
| CEC (meq/100g) | 1.2E1 | |
| Al (mg/kg dm) | 1.025E3 | |
| Fe (mg/kg dm) | 2.0E3 | |
| P_tot (mg/kg dm) | 1.25E3 | |
| Water content in capillary zone θ_wcz (m³/m³) | 4.01E-1 | |
| Length of capillary zone L_cz (m) | 8.1E0 | |

| Standard loam | | Justification |
|---|---|---|
| Soil type | Standard loam | |
| Top of layer (m) | 2.0E0 | |
| Organic matter (%) | 2.5E0 | |
| Clay content (%) | 1.4E1 | |
| pH_KCl | 5.8E0 | |
| Bulk density ρ_s (kg/m³) | 1.22E3 | |
| Air-filled porosity θ_a (m³/m³) | 2.02E-1 | |
| Water-filled porosity θ_w (m³/m³) | 3.45E-1 | |
| Total soil porosity θ_s (m³/m³) | 5.47E-1 | |
| Soil air permeability (m²) | 2.3E-14 | |
| CEC (meq/100g) | 1.2E1 | |
| Al (mg/kg dm) | 1.025E3 | |
| Fe (mg/kg dm) | 2.0E3 | |
| P_tot (mg/kg dm) | 1.25E3 | |
| Water content in capillary zone θ_wcz (m³/m³) | 4.01E-1 | |
| Length of capillary zone L_cz (m) | 8.1E0 | |

**Concentrations**

**Benzene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.2E-1** | | **4.706E1** |

Pathway-specific concentrations

Concentrations in transfer media

**Toluene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.4E1** | | **3.601E3** |

Pathway-specific concentrations

Concentrations in transfer media

**Ethylbenzene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **5.35E-1** | | **9.526E1** |

Pathway-specific concentrations

Concentrations in transfer media

**m-Xylene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **8.35E0** | | **1.52E3** |

Pathway-specific concentrations

Concentrations in transfer media

**Naphthalene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **4.5E0** | | **1.184E2** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC 5-6)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **0.0E0** | | **0.0E0** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >10-12)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **2.363E2** | | **1.97E1** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >12-16)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.364E3** | | **4.404E-1** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >16-21)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **6.469E2** | | **1.449E-3** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >21-35)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **0.0E0** | | **0.0E0** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >6-8)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **2.8E0** | | **2.475E1** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aliphatic (EC >8-10)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **2.53E1** | | **3.08E1** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >6-7)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **0.0E0** | | **0.0E0** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >7-8)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **0.0E0** | | **0.0E0** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >8-10)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **4.5E1** | | **1.103E3** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >10-12)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **3.94E1** | | **6.133E2** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >12-16)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **3.234E2** | | **2.534E3** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >16-21)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.969E2** | | **3.766E2** |

Pathway-specific concentrations

Concentrations in transfer media

**TPH aromatic (EC >21-35)**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **0.0E0** | | **0.0E0** |

Pathway-specific concentrations

Concentrations in transfer media

**Methyl-t-butylether**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **7.5E0** | | **1.133E4** |

Pathway-specific concentrations

Concentrations in transfer media

| Groundwater | | Justification |
|---|---|---|
| Depth of groundwater table (m-mv) | **4.000** | |
| Groundwater concentration entered ? | **NO** | |

**Leaching to groundwater**

| Leaching parameters | | Justification |
|---|---|---|
| Hydraulic conductivity of the phreatic | 3.65E2 | |
| Hydraulic gradient (m/m) | 1.0E-3 | |
| Length of source area (m) | 5.0E1 | |
| Thickness of the phreatic groundwater layer (m) | 3.0E1 | |
| Percentage unpaved (%) | 100.0 | |
| Infiltration rate in the vadose zone, unpaved area (m/y) | 2.65E-1 | |
| Infiltration rate in the vadose zone, paved area | | |

**Outdoor air calculations**

| Outdoor air parameters | | Justification |
|---|---|---|
| Length of the site in dominant wind direction (m) | 5.0E1 | |
| Terrain roughness length (m) | 6.0E-1 | |
| Height (m) | 1.0E1 | |
| Wind velocity at height10.0m (m/h) | 2.88E5 | |
| PM10 concentration resulting from soil (µg/m³) | 5.0E0 | |
| Enrichment factor soil - soil-derived PM10 | 2.0E0 | |

**Vapour intrusion parameters**

| Building parameters | | Justification |
|---|---|---|
| Building type | Basement | |
| State of the floor | Gaps and holes | |
| Volume of indoor space (m³) | 1.5E2 | |
| Depth of basement floor below soil surface (m) | **3.0E0** | |
| Thickness of basement floor (m) | 1.0E-1 | |
| Thickness of basement walls (m) | 1.5E-1 | |
| Surface area of the basement floor (m²) | 5.0E1 | |
| Surface area of the basement walls (m²) | 6.0E1 | |
| Volume of the basement (m³) | 1.0E2 | |
| Basic air exchange rate for the indoor space | 2.4E1 | |
| Fraction of openings in the floor (m²/m²) | 1.0E-5 | |
| Number of openings per floor area (1/m²) | 2.0E-1 | |
| Air permeability of the basement walls (m²) | 1.0E-13 | |
| Air-filled porosity of the basement walls (m³/m³) | 7.0E-2 | |
| Pressure difference between indoor space and | 1.0E0 | |
| Buffer space | 1.0E-1 | |

**Indoor dust parameters**

| Indoor settled dust (mg/kg dm) | | Justification |
|---|---|---|
| Ratio of PM10 concentration indoor/outdoor (-) | 1.0E0 | |

**Bathroom parameters**

| Bathroom parameters | | Justification |
|---|---|---|
| Volume of the bathroom (m³) | 1.5E1 | |
| Volume of the shower stall (m³) | 2.0E0 | |
| Ventilation rate in the bathroom (1/h) | 3.3E0 | |
| Water use during showering (m³/h) | 5.0E-1 | |

**Plant**

Time pattern on-site

| Age | Sleep (h/d) | Awake inside (h/d) | Outside (h/d) | Total on site (h/d) | EF_week (d/wk) | EF_year (wk/yr) |
|---|---|---|---|---|---|---|
| 1 -< 3 yr | 12.0 | 11.5 | 0.5 | 24.0 | 7.0 | 52.0 |
| 3 -< 6 yr | 11.0 | 9.7 | 1.38 | 22.08 | 7.0 | 52.0 |
| 6 -< 10 yr | 10.0 | 8.7 | 1.57 | 20.27 | 7.0 | 52.0 |
| 10 -< 15 yr | 9.0 | 10.6 | 1.12 | 20.72 | 7.0 | 52.0 |
| 15 -< 21 yr | 8.0 | 8.5 | 0.3 | 16.8 | 7.0 | 52.0 |
| 21 -< 31 yr | 8.0 | 9.0 | 0.3 | 17.3 | 7.0 | 52.0 |
| 31 -< 41 yr | 8.0 | 11.5 | 0.4 | 19.9 | 7.0 | 52.0 |
| 41 -< 51 yr | 8.0 | 11.5 | 1.0 | 20.5 | 7.0 | 52.0 |
| 51 -< 61 yr | 8.0 | 11.5 | 1.0 | 20.5 | 7.0 | 52.0 |
| >= 61 yr | 8.0 | 11.5 | 1.0 | 20.5 | 7.0 | 52.0 |

Justification

Time patterns bathing and showering

| Age | Duration shower (h) | Time spent in bathroom after shower (h) | Duration bath (h) |
|---|---|---|---|
| 1 -< 3 yr | 0.25 | 0.25 | 0.33 |
| 3 -< 6 yr | 0.25 | 0.25 | 0.33 |
| 6 -< 10 yr | 0.25 | 0.25 | 0.33 |
| 10 -< 15 yr | 0.25 | 0.25 | 0.33 |
| 15 -< 21 yr | 0.25 | 0.25 | 0.33 |
| 21 -< 31 yr | 0.25 | 0.25 | 0.33 |
| 31 -< 41 yr | 0.25 | 0.25 | 0.33 |
| 41 -< 51 yr | 0.25 | 0.25 | 0.33 |
| 51 -< 61 yr | 0.25 | 0.25 | 0.33 |
| >= 61 yr | 0.25 | 0.25 | 0.33 |

Justification

**Activity-based inhalation weight factors**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Activity-based weight | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

Justification

**Exposure via food**

Animal product consumption

| (g/d) | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Beef | 10.0 | 10.0 | 18.0 | 30.0 | 37.0 | 32.0 | 36.0 | 37.0 | 38.0 | 35.0 |
| Organ meat | 0.0 | 0.07 | 0.23 | 0.46 | 0.39 | 0.15 | 0.28 | 0.28 | 0.28 | 0.28 |
| Milk | 395.0 | 387.0 | 340.0 | 280.0 | 229.0 | 215.0 | 181.0 | 186.0 | 191.0 | 211.0 |
| Butter | 0.4 | 0.46 | 0.97 | 1.6 | 2.6 | 3.1 | 3.4 | 4.7 | 6.0 | 7.5 |
| Eggs | 15.0 | 29.0 | 30.0 | 30.0 | 33.0 | 41.0 | 43.0 | 45.0 | 47.0 | 44.0 |

Justification

Vegetable consumption

| (g/d) | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potato | 36.3 | 85.35 | 100.81 | 120.69 | 140.21 | 129.9 | 124.54 | 129.29 | 134.31 | 137.19 |
| carrot | 9.12 | 14.45 | 15.43 | 16.68 | 21.57 | 24.78 | 24.78 | 24.78 | 24.78 | 24.78 |
| scorzonera and parsnip | 0.24 | 0.38 | 0.48 | 0.6 | 0.79 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |
| other root vegetables (as | 0.45 | 0.71 | 0.81 | 0.95 | 1.45 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| bulbous vegetables (as | 2.23 | 3.53 | 5.59 | 8.25 | 11.68 | 13.85 | 13.85 | 13.85 | 13.85 | 13.85 |
| leek | 3.61 | 5.73 | 5.35 | 4.86 | 5.04 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| tomato | 6.4 | 10.13 | 16.17 | 23.93 | 36.77 | 53.14 | 53.14 | 53.14 | 53.14 | 53.14 |
| cucumber | 1.61 | 2.56 | 3.7 | 5.18 | 8.59 | 16.98 | 16.98 | 16.98 | 16.98 | 16.98 |
| other fruit vegetables (as | 0.88 | 1.39 | 1.74 | 2.19 | 4.41 | 9.03 | 9.03 | 9.03 | 9.03 | 9.03 |
| cabbage | 1.74 | 2.76 | 2.4 | 1.93 | 1.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| cauliflower and broccoli | 3.76 | 5.95 | 6.49 | 7.19 | 10.54 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |
| Brussels sprouts | 1.74 | 2.76 | 2.4 | 1.93 | 1.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| lettuce | 0.5 | 0.79 | 2.9 | 5.62 | 8.45 | 10.56 | 10.56 | 10.56 | 10.56 | 10.56 |
| lambs lettuce | 0.14 | 0.22 | 0.44 | 0.72 | 1.2 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| endive | 0.14 | 0.22 | 0.44 | 0.72 | 1.2 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| spinach | 4.08 | 6.46 | 6.38 | 6.28 | 5.29 | 8.54 | 8.54 | 8.54 | 8.54 | 8.54 |
| chicory | 2.07 | 3.28 | 4.72 | 6.58 | 8.89 | 9.33 | 9.33 | 9.33 | 9.33 | 9.33 |
| celery | 0.9 | 1.42 | 1.58 | 1.88 | 2.08 | 2.43 | 2.43 | 2.43 | 2.43 | 2.43 |
| beans | 3.47 | 5.49 | 6.42 | 7.63 | 9.6 | 11.75 | 11.75 | 11.75 | 11.75 | 11.75 |
| peas | 2.0 | 3.17 | 3.51 | 3.96 | 4.19 | 3.87 | 3.87 | 3.87 | 3.87 | 3.87 |

Justification

Local animal products fraction

| | |
|---|---|
| Beef | 0.0 |
| Organ meat | 0.0 |
| Milk | 0.0 |
| Butter | 0.0 |
| Eggs | 0.0 |

Justification

Local vegetable products fraction

| | |
|---|---|
| potatoes | 0.0 |
| root and tuberous plants | 0.0 |
| bulbous plants | 0.0 |
| fruit vegetables | 0.0 |
| cabbages | 0.0 |
| leafy vegetables | 0.0 |
| leguminous vegetables | 0.0 |

Justification

**Chemicals**

**Name :** **Benzene**

**CAS :** **71-43-2**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | Benzene | |
| Casnr | 71-43-2 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 7.811E1 | |
| S (mg/l) | 1.78E3 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 1.252E4 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 5.52E2 | |
| Th (°C) | 2.5E1 | |
| Kow (-) | 1.349E2 | |
| Koc (dm³/kg) | 7.943E1 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 1.4E-6 | |

| | | |
|---|---|---|
| Dpvc (m²/day) | 1.4E-9 | |
| Da (m²/day) | 7.4E-1 | |
| Dw (m²/day) | 9.07E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 3.118171517E-6 | YES | |
| Cow liver BTF | 3.118171517E-6 | YES | |
| Cow kidney BTF | 3.118171517E-6 | YES | |
| Cow milk BTF | 1.140144772E-6 | YES | |
| Sheep meat BTF | 3.118171517E-6 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.474E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 0.0E0 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 3.0E-3 | 3.0E-3 | 3.0E-3 |
| Oral TDI (mg / (kg bw d)) | 5.0E-4 | 5.0E-4 | 5.0E-4 |
| Dermal TDI (mg / (kg bw d)) | 5.0E-4 | 5.0E-4 | 5.0E-4 |

Local effects NO

Non-threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation UR (m³/mg) | 6.0E-3 | 6.0E-3 | 6.0E-3 |
| Oral SF ((kg bw d) / mg) | 5.5E-2 | 5.5E-2 | 5.5E-2 |
| Dermal SF ((kg bw d) / mg) | 5.5E-2 | 5.5E-2 | 5.5E-2 |

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 1.0E0 | |
| Outdoor air (mg/m³) | 5.0E-3 | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |

| | |
|---|---|
| other fruit vegetables (as paprika) | |
| cabbage | |
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **Toluene**

**CAS :** **3108-88-3**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | Toluene | |
| Casnr | 3108-88-3 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 9.213E1 | |
| S (mg/l) | 5.23E2 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 3.802E3 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 6.55E2 | |
| Th (°C) | 2.5E1 | |
| Kow (-) | 4.467E2 | |
| Koc (dm³/kg) | 1.318E2 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 1.2E-6 | |
| Dpvc (m²/day) | 1.2E-9 | |
| Da (m²/day) | 6.936E-1 | |
| Dw (m²/day) | 7.66E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.070286383E-5 | YES | |
| Cow liver BTF | 1.070286383E-5 | YES | |
| Cow kidney BTF | 1.070286383E-5 | YES | |
| Cow milk BTF | 3.739383437E-6 | YES | |
| Sheep meat BTF | 1.070286383E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 2.711E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 2.6E-1 | 2.6E-1 | 2.6E-1 |
| Oral TDI (mg / (kg bw d)) | 8.0E-2 | 8.0E-2 | 8.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 8.0E-2 | 8.0E-2 | 8.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **Ethylbenzene**

**CAS :** **100-41-4**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | Ethylbenzene | |
| Casnr | 100-41-4 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.062E2 | |
| S (mg/l) | 1.65E2 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 1.28E3 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 7.88E2 | |
| Th (°C) | 2.5E1 | |
| Kow (-) | 1.413E3 | |
| Koc (dm³/kg) | 1.995E2 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 2.1E-6 | |
| Dpvc (m²/day) | 2.1E-9 | |
| Da (m²/day) | 6.168E-1 | |
| Dw (m²/day) | 7.18E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 3.503482884E-5 | YES | |
| Cow liver BTF | 3.503482884E-5 | YES | |
| Cow kidney BTF | 3.503482884E-5 | YES | |
| Cow milk BTF | 1.171655674E-5 | YES | |
| Sheep meat BTF | 3.503482884E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 4.834E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 3.0E-1 | 3.0E-1 | 3.0E-1 |
| Oral TDI (mg / (kg bw d)) | 9.7E-2 | 9.7E-2 | 9.7E-2 |
| Dermal TDI (mg / (kg bw d)) | 9.7E-2 | 9.7E-2 | 9.7E-2 |

Local effects NO

Non-threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation UR (m³/mg) | 2.5E-3 | 2.5E-3 | 2.5E-3 |
| Oral SF ((kg bw d) / mg) | 1.1E-2 | 1.1E-2 | 1.1E-2 |
| Dermal SF ((kg bw d) / mg) | 1.1E-2 | 1.1E-2 | 1.1E-2 |

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |

| | |
|---|---|
| carrot | |
| scorzonera and parsnip | |
| other root vegetables (as radish) | |
| bulbous vegetables (as onion) | |
| leek | |
| tomato | |
| cucumber | |
| other fruit vegetables (as paprika) | |
| cabbage | |
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **m-Xylene**

**CAS :** **108-38-3**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | m-Xylene | |
| Casnr | 108-38-3 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.062E2 | |
| S (mg/l) | 1.66E2 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 1.121E3 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 7.1E2 | |
| Th (°C) | 2.5E1 | |

| | | |
|---|---|---|
| Kow (-) | 1.514E3 | |
| Koc (dm³/kg) | 1.95E2 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 1.6E-6 | |
| Dpvc (m²/day) | 1.6E-9 | |
| Da (m²/day) | 5.952E-1 | |
| Dw (m²/day) | 6.74E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 3.761837227E-5 | YES | |
| Cow liver BTF | 3.761837227E-5 | YES | |
| Cow kidney BTF | 3.761837227E-5 | YES | |
| Cow milk BTF | 1.254758077E-5 | YES | |
| Sheep meat BTF | 3.761837227E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 5.059E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.0E-1 | 1.0E-1 | 1.0E-1 |
| Oral TDI (mg / (kg bw d)) | 2.0E-1 | 2.0E-1 | 2.0E-1 |
| Dermal TDI (mg / (kg bw d)) | 2.0E-1 | 2.0E-1 | 2.0E-1 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |
| celery | | |
| beans | | |
| peas | | |
| grass | | |
| maize | | |

**Name :** **Naphthalene**

**CAS :** **91-20-3**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | Naphthalene | |
| Casnr | 91-20-3 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.28E2 | |
| S (mg/l) | 3.0E1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 3.2E1 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 4.89E1 | |
| Th (°C) | 2.5E1 | |
| Kow (-) | 2.291E3 | |
| Koc (dm³/kg) | 1.479E3 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 5.0E-7 | |
| Dpvc (m²/day) | 5.0E-10 | |
| Da (m²/day) | 5.544E-1 | |
| Dw (m²/day) | 6.65E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 5.765009138E-5 | YES | |
| Cow liver BTF | 5.765009138E-5 | YES | |
| Cow kidney BTF | 5.765009138E-5 | YES | |
| Cow milk BTF | 1.892866565E-5 | YES | |
| Sheep meat BTF | 5.765009138E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 5.021E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.3E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects NO

Local effects NO

Non-threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation UR (m³/mg) | 3.4E-2 | 3.4E-2 | 3.4E-2 |
| Oral SF ((kg bw d) / mg) | 1.0E-8 | 1.0E-8 | 1.0E-8 |
| Dermal SF ((kg bw d) / mg) | 1.0E-8 | 1.0E-8 | 1.0E-8 |

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |

| | |
|---|---|
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC 5-6)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC 5-6) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 8.1E1 | |
| S (mg/l) | 3.6E1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 3.55E4 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 8.04E4 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 3.311E3 | |
| Koc (dm³/kg) | 7.943E2 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 4.0E-6 | |
| Dpvc (m²/day) | 4.0E-9 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 8.425583754E-5 | YES | |
| Cow liver BTF | 8.425583754E-5 | YES | |
| Cow kidney BTF | 8.425583754E-5 | YES | |
| Cow milk BTF | 2.727972576E-5 | YES | |
| Sheep meat BTF | 8.425583754E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.174E-1 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 0.0E0 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.84E1 | 1.84E1 | 1.84E1 |
| Oral TDI (mg / (kg bw d)) | 5.0E0 | 5.0E0 | 5.0E0 |
| Dermal TDI (mg / (kg bw d)) | 5.0E0 | 5.0E0 | 5.0E0 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >10-12)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >10-12) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.6E2 | |
| S (mg/l) | 3.4E-2 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 6.38E1 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 2.92E5 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 5.754E3 | |
| Koc (dm³/kg) | 2.512E5 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 6.0E-8 | |
| Dpvc (m²/day) | 6.0E-11 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.488675359E-4 | YES | |
| Cow liver BTF | 1.488675359E-4 | YES | |
| Cow kidney BTF | 1.488675359E-4 | YES | |
| Cow milk BTF | 4.71976092E-5 | YES | |
| Sheep meat BTF | 1.488675359E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 6.104E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.0E0 | 1.0E0 | 1.0E0 |
| Oral TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |
| Dermal TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >12-16)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >12-16) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 2.0E2 | |
| S (mg/l) | 7.6E-4 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 4.86E0 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.27E6 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 7.079E3 | |
| Koc (dm³/kg) | 5.012E6 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 6.0E-8 | |
| Dpvc (m²/day) | 6.0E-11 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.842892489E-4 | YES | |
| Cow liver BTF | 1.842892489E-4 | YES | |
| Cow kidney BTF | 1.842892489E-4 | YES | |
| Cow milk BTF | 5.796955947E-5 | YES | |
| Sheep meat BTF | 1.842892489E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 4.178E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.0E0 | 1.0E0 | 1.0E0 |
| Oral TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |
| Dermal TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >16-21)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >16-21) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 2.7E2 | |
| S (mg/l) | 2.5E-6 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 1.11E-1 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.19E7 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 9.333E3 | |
| Koc (dm³/kg) | 6.31E8 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 6.0E-8 | |
| Dpvc (m²/day) | 6.0E-11 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 2.449627224E-4 | YES | |
| Cow liver BTF | 2.449627224E-4 | YES | |
| Cow kidney BTF | 2.449627224E-4 | YES | |
| Cow milk BTF | 7.625002668E-5 | YES | |
| Sheep meat BTF | 2.449627224E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 2.033E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 7.0E0 | 7.0E0 | 7.0E0 |
| Oral TDI (mg / (kg bw d)) | 2.0E0 | 2.0E0 | 2.0E0 |
| Dermal TDI (mg / (kg bw d)) | 2.0E0 | 2.0E0 | 2.0E0 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >21-35)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >21-35) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 4.064E2 | |
| S (mg/l) | 1.51E-11 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 3.48E-5 | |
| Tp (°C) | 1.0E1 | |
| H (Pa m³/mol) | 9.365E8 | |
| Th (°C) | 1.0E1 | |
| Kow (-) | 2.513E12 | |
| Koc (dm³/kg) | 1.072E13 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 6.0E-8 | |
| Dpvc (m²/day) | 6.0E-11 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 0.1 | YES | |
| Cow liver BTF | 0.1 | YES | |
| Cow kidney BTF | 0.1 | YES | |
| Cow milk BTF | 0.01584893192 | YES | |
| Sheep meat BTF | 0.1 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.284E3 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 7.0E0 | 7.0E0 | 7.0E0 |
| Oral TDI (mg / (kg bw d)) | 2.0E0 | 2.0E0 | 2.0E0 |
| Dermal TDI (mg / (kg bw d)) | 2.0E0 | 2.0E0 | 2.0E0 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >6-8)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >6-8) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.0E2 | |
| S (mg/l) | 5.4E0 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 6.38E3 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.22E5 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 3.981E3 | |
| Koc (dm³/kg) | 3.981E3 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 4.0E-6 | |
| Dpvc (m²/day) | 4.0E-9 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.018591388E-4 | YES | |
| Cow liver BTF | 1.018591388E-4 | YES | |
| Cow kidney BTF | 1.018591388E-4 | YES | |
| Cow milk BTF | 3.274914756E-5 | YES | |
| Sheep meat BTF | 1.018591388E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.038E-1 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.84E1 | 1.84E1 | 1.84E1 |
| Oral TDI (mg / (kg bw d)) | 5.0E0 | 5.0E0 | 5.0E0 |
| Dermal TDI (mg / (kg bw d)) | 5.0E0 | 5.0E0 | 5.0E0 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aliphatic (EC >8-10)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aliphatic (EC >8-10) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.3E2 | |
| S (mg/l) | 4.3E-1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 6.38E2 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.95E5 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 4.898E3 | |
| Koc (dm³/kg) | 3.162E4 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 6.0E-8 | |
| Dpvc (m²/day) | 6.0E-11 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.260956196E-4 | YES | |
| Cow liver BTF | 1.260956196E-4 | YES | |
| Cow kidney BTF | 1.260956196E-4 | YES | |
| Cow milk BTF | 4.02235132E-5 | YES | |
| Sheep meat BTF | 1.260956196E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 8.08E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.0E0 | 1.0E0 | 1.0E0 |
| Oral TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |
| Dermal TDI (mg / (kg bw d)) | 1.0E-1 | 1.0E-1 | 1.0E-1 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |

| | |
|---|---|
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >6-7)**

**CAS :** **71-43-2**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >6-7) | |
| Casnr | 71-43-2 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 7.811E1 | |
| S (mg/l) | 1.78E3 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 1.252E4 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 5.52E2 | |
| Th (°C) | 2.5E1 | |
| Kow (-) | 1.349E2 | |
| Koc (dm³/kg) | 7.943E1 | |
| Koc QSAR class | | |

| | | |
|---|---|---|
| Koa (-) | | |
| Dpe (m²/day) | 1.4E-6 | |
| Dpvc (m²/day) | 1.4E-9 | |
| Da (m²/day) | 7.4E-1 | |
| Dw (m²/day) | 9.07E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 3.118171517E-6 | YES | |
| Cow liver BTF | 3.118171517E-6 | YES | |
| Cow kidney BTF | 3.118171517E-6 | YES | |
| Cow milk BTF | 1.140144772E-6 | YES | |
| Sheep meat BTF | 3.118171517E-6 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.474E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 0.0E0 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 3.0E-3 | 3.0E-3 | 3.0E-3 |
| Oral TDI (mg / (kg bw d)) | 5.0E-4 | 5.0E-4 | 5.0E-4 |
| Dermal TDI (mg / (kg bw d)) | 5.0E-4 | 5.0E-4 | 5.0E-4 |

Local effects NO

Non-threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation UR (m³/mg) | 6.0E-3 | 6.0E-3 | 6.0E-3 |
| Oral SF ((kg bw d) / mg) | 5.5E-2 | 5.5E-2 | 5.5E-2 |
| Dermal SF ((kg bw d) / mg) | 5.5E-2 | 5.5E-2 | 5.5E-2 |

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 1.0E0 | |
| Outdoor air (mg/m³) | 5.0E-3 | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |

| | |
|---|---|
| carrot | |
| scorzonera and parsnip | |
| other root vegetables (as radish) | |
| bulbous vegetables (as onion) | |
| leek | |
| tomato | |
| cucumber | |
| other fruit vegetables (as paprika) | |
| cabbage | |
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >7-8)**

**CAS :** **108-88-3**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >7-8) | |
| Casnr | 108-88-3 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 9.213E1 | |
| S (mg/l) | 5.23E2 | |
| Ts (°C) | 2.5E1 | |
| P (Pa) | 3.802E3 | |
| Tp (°C) | 2.5E1 | |
| H (Pa m³/mol) | 6.55E2 | |
| Th (°C) | 2.5E1 | |

| | | |
|---|---|---|
| Kow (-) | 4.467E2 | |
| Koc (dm³/kg) | 1.318E2 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 1.2E-6 | |
| Dpvc (m²/day) | 1.2E-9 | |
| Da (m²/day) | 6.936E-1 | |
| Dw (m²/day) | 7.66E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| | | Calculation methodology | | | |
|---|---|---|---|---|---|
| Plant | Plant type | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.070286383E-5 | YES | |
| Cow liver BTF | 1.070286383E-5 | YES | |
| Cow kidney BTF | 1.070286383E-5 | YES | |
| Cow milk BTF | 3.739383437E-6 | YES | |
| Sheep meat BTF | 1.070286383E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 2.711E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 2.6E-1 | 2.6E-1 | 2.6E-1 |
| Oral TDI (mg / (kg bw d)) | 8.0E-2 | 8.0E-2 | 8.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 8.0E-2 | 8.0E-2 | 8.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |
| celery | | |
| beans | | |
| peas | | |
| grass | | |
| maize | | |

**Name :** **TPH aromatic (EC >8-10)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >8-10) | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.2E2 | |
| S (mg/l) | 6.5E1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 6.38E2 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.17E3 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 3.548E3 | |
| Koc (dm³/kg) | 1.585E3 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 2.1E-6 | |
| Dpvc (m²/day) | 2.1E-9 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 9.046904376E-5 | YES | |
| Cow liver BTF | 9.046904376E-5 | YES | |
| Cow kidney BTF | 9.046904376E-5 | YES | |
| Cow milk BTF | 2.921460374E-5 | YES | |
| Sheep meat BTF | 9.046904376E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 7.43E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 3.0E-2 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 2.0E-1 | 2.0E-1 | 2.0E-1 |
| Oral TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |

| | |
|---|---|
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >10-12)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >10- | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.3E2 | |
| S (mg/l) | 2.5E1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 6.38E1 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 3.41E2 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 3.802E3 | |
| Koc (dm³/kg) | 2.512E3 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 2.1E-6 | |
| Dpvc (m²/day) | 2.1E-9 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |

| | | |
|---|---|---|
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 9.714042517E-5 | YES | |
| Cow liver BTF | 9.714042517E-5 | YES | |
| Cow kidney BTF | 9.714042517E-5 | YES | |
| Cow milk BTF | 3.128671744E-5 | YES | |
| Sheep meat BTF | 9.714042517E-5 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 6.836E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 2.0E-1 | 2.0E-1 | 2.0E-1 |
| Oral TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |

| | |
|---|---|
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >12-16)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >12- | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.5E2 | |
| S (mg/l) | 5.8E0 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 4.86E0 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.29E2 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 4.074E3 | |
| Koc (dm³/kg) | 5.012E3 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 2.1E-6 | |
| Dpvc (m²/day) | 2.1E-9 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |

| | | |
|---|---|---|
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.043037685E-4 | YES | |
| Cow liver BTF | 1.043037685E-4 | YES | |
| Cow kidney BTF | 1.043037685E-4 | YES | |
| Cow milk BTF | 3.350580063E-5 | YES | |
| Sheep meat BTF | 1.043037685E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 5.528E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 2.0E-1 | 2.0E-1 | 2.0E-1 |
| Oral TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 4.0E-2 | 4.0E-2 | 4.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |

| | |
|---|---|
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >16-21)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >16- | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 1.9E2 | |
| S (mg/l) | 6.5E-1 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 1.11E-1 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 3.16E1 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 4.571E3 | |
| Koc (dm³/kg) | 1.585E4 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 2.0E-7 | |
| Dpvc (m²/day) | 2.0E-10 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |

| | | |
|---|---|---|
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.174356619E-4 | YES | |
| Cow liver BTF | 1.174356619E-4 | YES | |
| Cow kidney BTF | 1.174356619E-4 | YES | |
| Cow milk BTF | 3.75595171E-5 | YES | |
| Sheep meat BTF | 1.174356619E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 3.561E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.05E-1 | 1.05E-1 | 1.05E-1 |
| Oral TDI (mg / (kg bw d)) | 3.0E-2 | 3.0E-2 | 3.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 3.0E-2 | 3.0E-2 | 3.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |

| | |
|---|---|
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **TPH aromatic (EC >21-35)**

**CAS :** **xx-xx-xx**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | TPH aromatic (EC >21- | |
| Casnr | xx-xx-xx | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 2.4E2 | |
| S (mg/l) | 6.6E-3 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 4.46E-5 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 1.632E0 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 5.495E3 | |
| Koc (dm³/kg) | 1.259E5 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 2.0E-7 | |
| Dpvc (m²/day) | 2.0E-10 | |
| Da (m²/day) | 8.64E-1 | |
| Dw (m²/day) | 8.64E-5 | |

| | | |
|---|---|---|
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 1.419711172E-4 | YES | |
| Cow liver BTF | 1.419711172E-4 | YES | |
| Cow kidney BTF | 1.419711172E-4 | YES | |
| Cow milk BTF | 4.508997557E-5 | YES | |
| Sheep meat BTF | 1.419711172E-4 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 2.111E-2 | |
| Model used | X | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 1.0E-1 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 1.05E-1 | 1.05E-1 | 1.05E-1 |
| Oral TDI (mg / (kg bw d)) | 3.0E-2 | 3.0E-2 | 3.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 3.0E-2 | 3.0E-2 | 3.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |
| other fruit vegetables (as paprika) | | |
| cabbage | | |
| cauliflower and broccoli | | |
| Brussels sprouts | | |
| lettuce | | |
| lambs lettuce | | |
| endive | | |
| spinach | | |
| chicory | | |

| | |
|---|---|
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

**Name :** **Methyl-t-butylether**

**CAS :** **1634-04-4**

| Physicochemical properties | | Justification |
|---|---|---|
| Name : | Methyl-t-butylether | |
| Casnr | 1634-04-4 | |
| Organic | Organic | |
| Dissociating | false | |
| Acid or base | | |
| M (g/mol) | 8.815E1 | |
| S (mg/l) | 4.2E4 | |
| Ts (°C) | 2.0E1 | |
| P (Pa) | 2.68E4 | |
| Tp (°C) | 2.0E1 | |
| H (Pa m³/mol) | 4.38E1 | |
| Th (°C) | 2.0E1 | |
| Kow (-) | 1.38E1 | |
| Koc (dm³/kg) | 6.7E0 | |
| Koc QSAR class | | |
| Koa (-) | | |
| Dpe (m²/day) | 1.0E-7 | |
| Dpvc (m²/day) | 1.0E-10 | |
| Da (m²/day) | 8.022E-1 | |
| Dw (m²/day) | 8.022E-5 | |

| | | |
|---|---|---|
| pKa (-) | | |

BCFs for inorganic substances are expressed in mg/kg dm per mg/kg dm, BCFs for organic substances are expressed in mg/kg dm per mg/m³ water

| Plant | Plant type | Calculation methodology | | | |
|---|---|---|---|---|---|
| | | Plant BCF | Plant type BCF | Plant uptake properties | BCF |
| potato | potatoes | | | X | |
| carrot | root and tuberous plants | | | X | |
| scorzonera and parsnip | root and tuberous plants | | | X | |
| other root vegetables (as radish) | root and tuberous plants | | | X | |
| bulbous vegetables (as onion) | bulbous plants | | | X | |
| leek | bulbous plants | | | X | |
| tomato | fruit vegetables | | | X | |
| cucumber | fruit vegetables | | | X | |
| other fruit vegetables (as paprika) | fruit vegetables | | | X | |
| cabbage | cabbages | | | X | |
| cauliflower and broccoli | cabbages | | | X | |
| Brussels sprouts | cabbages | | | X | |
| lettuce | leafy vegetables | | | X | |
| lambs lettuce | leafy vegetables | | | X | |
| endive | leafy vegetables | | | X | |
| spinach | leafy vegetables | | | X | |
| chicory | leafy vegetables | | | X | |
| celery | leafy vegetables | | | X | |
| beans | leguminous vegetables | | | X | |
| peas | leguminous vegetables | | | X | |
| grass | grasses | | | X | |
| maize | grain | | | X | |

Justification

**Animal product transfer properties**

| BTF (mg/kg fw per mg/d) | | Model used | Justification |
|---|---|---|---|
| Cow meat BTF | 2.979888404E-7 | YES | |
| Cow liver BTF | 2.979888404E-7 | YES | |
| Cow kidney BTF | 2.979888404E-7 | YES | |
| Cow milk BTF | 1.188173878E-7 | YES | |
| Sheep meat BTF | 2.979888404E-7 | YES | |
| Chicken soil-to-egg BTF | 0.0 | | |
| Chicken feed-to-egg BTF | 0.0 | | |

**Background levels for animal transfer**

| | | Justification |
|---|---|---|
| Pasture grass (mg/kg dw) | 0.0E0 | |
| Silage grass (mg/kg dw) | 0.0E0 | |
| Maize (mg/kg dw) | 0.0E0 | |
| Concentration (mg/kg dw) | 0.0E0 | |
| Feed mixture (mg/kg dw) | 0.0E0 | |
| Other water (mg/m³) | 0.0E0 | |

**Background values for human exposure**

| Age | Dietary background intake (mg/kg.d) |
|---|---|
| 1 -< 3 yr | 0.0E0 |
| 3 -< 6 yr | 0.0E0 |
| 6 -< 10 yr | 0.0E0 |
| 10 -< 15 yr | 0.0E0 |
| 15 -< 21 yr | 0.0E0 |
| 21 -< 31 yr | 0.0E0 |
| 31 -< 41 yr | 0.0E0 |
| 41 -< 51 yr | 0.0E0 |
| 51 -< 61 yr | 0.0E0 |
| >= 61 yr | 0.0E0 |

Justification

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | 0.0E0 | |
| Outdoor air (mg/m³) | 0.0E0 | |
| Indoor air (mg/m³) | 0.0E0 | |
| Potatoes (mg/kg fw) | 0.0E0 | |
| Root & Tuberous vegetables (mg/kg fw) | 0.0E0 | |
| Bulbous vegetables (mg/kg fw) | 0.0E0 | |

| | | |
|---|---|---|
| Fruit vegetables (mg/kg fw) | 0.0E0 | |
| Cabbages (mg/kg fw) | 0.0E0 | |
| Leafy vegetables (mg/kg fw) | 0.0E0 | |
| Leguminous vegetables (mg/kg fw) | 0.0E0 | |
| Beef (mg/kg fw) | 0.0E0 | |
| Organ meat (mg/kg fw) | 0.0E0 | |
| Milk (mg/kg fw) | 0.0E0 | |
| Butter (mg/kg fw) | 0.0E0 | |
| Eggs (mg/kg fw) | 0.0E0 | |

**Exposure parameters**

| | | Justification |
|---|---|---|
| Relative bioavailability from soil (RBA_soil) (-) | 1.0E0 | |
| Relative bioavailability from settled dust (RBA_dust) (-) | 1.0E0 | |
| Relative bioavailability from water (RBA_water) (-) | 1.0E0 | |
| K_p (cm/h) | 1.09E-1 | |
| Model used | | |
| FA (-) | 1.0E0 | |
| Dermal absorbed fraction from soil and settled dust ABS_dermal soil/dust (-) | 0.0E0 | |

| | 1 -< 3y | 3 -< 6y | 6 -< 10 | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | >= 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| Age-dependent weight factor for inhalation (-) | 1.9E0 | 1.8E0 | 1.6E0 | 1.3E0 | 1.2E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 | 1.0E0 |

**Toxicological criteria**

Threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation TCA (mg/m³) | 3.0E0 | 3.0E0 | 3.0E0 |
| Oral TDI (mg / (kg bw d)) | 1.0E-2 | 1.0E-2 | 1.0E-2 |
| Dermal TDI (mg / (kg bw d)) | 1.0E-2 | 1.0E-2 | 1.0E-2 |

Local effects NO

Non-threshold effects

Systemic effects YES

| Age | Group1 | Group2 | Group3 |
|---|---|---|---|
| 1 -< 3 yr | X | | |
| 3 -< 6 yr | X | | |
| 6 -< 10 yr | | X | |
| 10 -< 15 yr | | X | |
| > 15 yr | | | X |
| Inhalation UR (m³/mg) | 2.6E-4 | 2.6E-4 | 2.6E-4 |
| Oral SF ((kg bw d) / mg) | 1.0E-8 | 1.0E-8 | 1.0E-8 |
| Dermal SF ((kg bw d) / mg) | 1.0E-8 | 1.0E-8 | 1.0E-8 |

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

| | | Justification |
|---|---|---|
| Drinking water (mg/m³) | | |
| Outdoor air (mg/m³) | | |
| Indoor air (mg/m³) | | |
| Beef (mg/kg fw) | | |
| Sheep (mg/kg fw) | | |
| Liver (mg/kg fw) | | |
| Kidney (mg/kg fw) | | |
| Milk (mg/kg fw) | | |
| Butter (mg/kg fw) | | |
| Eggs (mg/kg fw) | | |
| Grass (mg/kg fw) | | |
| Maize (mg/kg fw) | | |
| potato | | |
| carrot | | |
| scorzonera and parsnip | | |
| other root vegetables (as radish) | | |
| bulbous vegetables (as onion) | | |
| leek | | |
| tomato | | |
| cucumber | | |

| | |
|---|---|
| other fruit vegetables (as paprika) | |
| cabbage | |
| cauliflower and broccoli | |
| Brussels sprouts | |
| lettuce | |
| lambs lettuce | |
| endive | |
| spinach | |
| chicory | |
| celery | |
| beans | |
| peas | |
| grass | |
| maize | |

## DETAIL RESULTS

**Benzene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.483E-2 | 8.122E1 | 1.329E1 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 4.706E1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 4.706E1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.337E-5 | 1.466E-5 | 1.014E-5 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |

| | | | |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 4.957E-6 | 2.177E-6 | 1.506E-6 |
| Resulting air concentration from volatilization (mg/m³) | 3.337E-5 | 1.466E-5 | 1.014E-5 |
| Final outdoor air concentration (mg/m³) | 3.337E-5 | 1.466E-5 | 1.014E-5 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 1.328E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 7.702E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 2.594E-1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 1.2E-1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.79E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.775E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.854E-4 |
| Indoor air concentration from volatilization (mg/m³) | 1.775E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.775E-3 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| leek | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| tomato | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| cucumber | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| cabbage | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| lettuce | 1.801E-7 | | 1.801E-7 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.69E-7 | | 1.69E-7 | 0.0E0 | 0.0E0 |
| endive | 1.495E-7 | | 1.495E-7 | 0.0E0 | 0.0E0 |
| spinach | 1.744E-7 | | 1.744E-7 | 0.0E0 | 0.0E0 |
| chicory | 1.569E-7 | | 1.569E-7 | 0.0E0 | 0.0E0 |
| celery | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| beans | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| peas | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |
| grass | 1.34E-7 | | 1.34E-7 | 0.0E0 | 0.0E0 |
| maize | 1.373E-7 | | 1.373E-7 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 3.031E-6 | 0.0E0 | 6.89E-7 | 6.89E-7 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.645E-6 | 2.885E-6 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 2.606E-6 | 2.093E-6 | 1.218E-6 | 2.394E-6 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 3.153E0 | 3.153E0 | 3.153E0 | 0.0E0 | 2.824E-1 | 2.824E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 3.153E0 | | 3.153E0 | | 2.824E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.14E-6 |
| Concentration in meat (mg/kg fw) | 9.832E-6 |
| Concentration in liver (mg/kg fw) | 9.832E-6 |
| Concentration in kidney (mg/kg fw) | 9.832E-6 |
| Concentration in milk (mg/kg fw) | 3.595E-6 |
| Concentration in butter (mg/kg fw) | 7.639E-5 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 2.679E-9 |
| Daily contaminant intake via feed (mg/d) | 9.412E-3 |
| Daily contaminant intake via water (mg/d) | 9.412E-3 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 5.802E-7 | 1.517E-6 | 1.534E-6 | 6.153E-7 | 1.521E-7 | 1.268E-7 | 1.69E-7 | 4.226E-7 | 4.226E-7 | 4.226E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 3.303E-3 | 2.756E-3 | 2.213E-3 | 1.885E-3 | 1.465E-3 | 1.258E-3 | 1.442E-3 | 1.442E-3 | 1.442E-3 | 1.442E-3 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 5.786E-7 | 1.513E-6 | 1.53E-6 | 6.136E-7 | 1.517E-7 | 1.264E-7 | 1.686E-7 | 4.214E-7 | 4.214E-7 | 4.214E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 3.294E-3 | 2.749E-3 | 2.207E-3 | 1.88E-3 | 1.461E-3 | 1.254E-3 | 1.439E-3 | 1.439E-3 | 1.439E-3 | 1.439E-3 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 3.304E-3 | 2.758E-3 | 2.215E-3 | 1.885E-3 | 1.465E-3 | 1.258E-3 | 1.443E-3 | 1.443E-3 | 1.443E-3 | 1.443E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 3.294E-3 | 2.75E-3 | 2.209E-3 | 1.88E-3 | 1.461E-3 | 1.254E-3 | 1.439E-3 | 1.439E-3 | 1.439E-3 | 1.439E-3 |

**Toluene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.204E1 | 6.215E3 | 1.207E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.601E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.601E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.837E-3 | 1.246E-3 | 8.622E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 4.201E-4 | 1.845E-4 | 1.277E-4 |
| Resulting air concentration from volatilization (mg/m³) | 2.837E-3 | 1.246E-3 | 8.622E-4 |
| Final outdoor air concentration (mg/m³) | 2.837E-3 | 1.246E-3 | 8.622E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 1.206E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 6.993E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 2.205E1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 1.021E1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.518E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.516E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.577E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.516E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.516E-1 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| leek | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| tomato | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| cucumber | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| cabbage | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| lettuce | 4.699E-5 | | 4.699E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 4.41E-5 | | 4.41E-5 | 0.0E0 | 0.0E0 |
| endive | 3.9E-5 | | 3.9E-5 | 0.0E0 | 0.0E0 |
| spinach | 4.55E-5 | | 4.55E-5 | 0.0E0 | 0.0E0 |
| chicory | 4.095E-5 | | 4.095E-5 | 0.0E0 | 0.0E0 |
| celery | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| beans | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| peas | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |
| grass | 3.496E-5 | | 3.496E-5 | 0.0E0 | 0.0E0 |
| maize | 3.583E-5 | | 3.583E-5 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 7.908E-4 | 0.0E0 | 1.798E-4 | 1.798E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 4.293E-4 | 7.528E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 6.801E-4 | 5.462E-4 | 3.178E-4 | 6.246E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 2.413E2 | 2.413E2 | 2.413E2 | 0.0E0 | 2.161E1 | 2.161E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.413E2 | | 2.413E2 | | 2.161E1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.739E-6 |
| Concentration in meat (mg/kg fw) | 2.582E-3 |
| Concentration in liver (mg/kg fw) | 2.582E-3 |
| Concentration in kidney (mg/kg fw) | 2.582E-3 |
| Concentration in milk (mg/kg fw) | 9.022E-4 |
| Concentration in butter (mg/kg fw) | 1.917E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 6.991E-7 |
| Daily contaminant intake via feed (mg/d) | 7.202E-1 |
| Daily contaminant intake via water (mg/d) | 7.202E-1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 4.932E-5 | 1.29E-4 | 1.304E-4 | 5.231E-5 | 1.293E-5 | 1.078E-5 | 1.437E-5 | 3.592E-5 | 3.592E-5 | 3.592E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.821E-1 | 2.354E-1 | 1.89E-1 | 1.61E-1 | 1.251E-1 | 1.074E-1 | 1.232E-1 | 1.232E-1 | 1.232E-1 | 1.232E-1 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 4.919E-5 | 1.286E-4 | 1.301E-4 | 5.216E-5 | 1.29E-5 | 1.075E-5 | 1.433E-5 | 3.583E-5 | 3.583E-5 | 3.583E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.813E-1 | 2.347E-1 | 1.885E-1 | 1.605E-1 | 1.247E-1 | 1.071E-1 | 1.228E-1 | 1.228E-1 | 1.228E-1 | 1.228E-1 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 2.821E-1 | 2.355E-1 | 1.891E-1 | 1.61E-1 | 1.251E-1 | 1.074E-1 | 1.232E-1 | 1.232E-1 | 1.232E-1 | 1.232E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.813E-1 | 2.349E-1 | 1.886E-1 | 1.606E-1 | 1.248E-1 | 1.071E-1 | 1.229E-1 | 1.229E-1 | 1.229E-1 | 1.229E-1 |

**Ethylbenzene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 4.822E-1 | 1.644E2 | 3.841E1 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 9.526E1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 9.526E1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.026E-5 | 3.525E-5 | 2.439E-5 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.187E-5 | 5.213E-6 | 3.607E-6 |
| Resulting air concentration from volatilization (mg/m³) | 8.026E-5 | 3.525E-5 | 2.439E-5 |
| Final outdoor air concentration (mg/m³) | 8.026E-5 | 3.525E-5 | 2.439E-5 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 3.836E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 2.225E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 6.25E-1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 2.891E-1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 4.296E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 4.33E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.481E-4 |
| Indoor air concentration from volatilization (mg/m³) | 4.33E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.33E-3 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| leek | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| tomato | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| cucumber | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| cabbage | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| lettuce | 3.822E-6 | | 3.822E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.587E-6 | | 3.587E-6 | 0.0E0 | 0.0E0 |
| endive | 3.172E-6 | | 3.172E-6 | 0.0E0 | 0.0E0 |
| spinach | 3.701E-6 | | 3.701E-6 | 0.0E0 | 0.0E0 |
| chicory | 3.331E-6 | | 3.331E-6 | 0.0E0 | 0.0E0 |
| celery | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| beans | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| peas | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |
| grass | 2.843E-6 | | 2.843E-6 | 0.0E0 | 0.0E0 |
| maize | 2.914E-6 | | 2.914E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 6.432E-5 | 0.0E0 | 1.462E-5 | 1.462E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.491E-5 | 6.122E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.531E-5 | 4.442E-5 | 2.584E-5 | 5.08E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 6.382E0 | 6.382E0 | 6.382E0 | 0.0E0 | 5.715E-1 | 5.715E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 6.382E0 | | 6.382E0 | | 5.715E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.172E-5 |
| Concentration in meat (mg/kg fw) | 2.236E-4 |
| Concentration in liver (mg/kg fw) | 2.236E-4 |
| Concentration in kidney (mg/kg fw) | 2.236E-4 |
| Concentration in milk (mg/kg fw) | 7.478E-5 |
| Concentration in butter (mg/kg fw) | 1.589E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.686E-8 |
| Daily contaminant intake via feed (mg/d) | 1.905E-2 |
| Daily contaminant intake via water (mg/d) | 1.905E-2 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.395E-6 | 3.648E-6 | 3.689E-6 | 1.48E-6 | 3.658E-7 | 3.049E-7 | 4.065E-7 | 1.016E-6 | 1.016E-6 | 1.016E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 8.056E-3 | 6.723E-3 | 5.398E-3 | 4.597E-3 | 3.572E-3 | 3.067E-3 | 3.518E-3 | 3.518E-3 | 3.518E-3 | 3.518E-3 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.391E-6 | 3.638E-6 | 3.679E-6 | 1.476E-6 | 3.648E-7 | 3.04E-7 | 4.054E-7 | 1.013E-6 | 1.013E-6 | 1.013E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 8.034E-3 | 6.704E-3 | 5.384E-3 | 4.585E-3 | 3.563E-3 | 3.059E-3 | 3.509E-3 | 3.509E-3 | 3.509E-3 | 3.509E-3 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 8.057E-3 | 6.726E-3 | 5.402E-3 | 4.599E-3 | 3.573E-3 | 3.068E-3 | 3.519E-3 | 3.519E-3 | 3.519E-3 | 3.519E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 8.035E-3 | 6.708E-3 | 5.387E-3 | 4.586E-3 | 3.563E-3 | 3.059E-3 | 3.509E-3 | 3.51E-3 | 3.51E-3 | 3.51E-3 |

**m-Xylene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 7.517E0 | 2.623E3 | 5.521E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.52E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.52E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.114E-3 | 4.89E-4 | 3.384E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.648E-4 | 7.238E-5 | 5.008E-5 |
| Resulting air concentration from volatilization (mg/m³) | 1.114E-3 | 4.89E-4 | 3.384E-4 |
| Final outdoor air concentration (mg/m³) | 1.114E-3 | 4.89E-4 | 3.384E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 5.515E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 3.199E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 8.682E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 4.011E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 5.966E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 6.028E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 6.232E-3 |
| Indoor air concentration from volatilization (mg/m³) | 6.028E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 6.028E-2 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| leek | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| tomato | 4.885E-5 | | 4.885E-5 | 0.0E0 | 0.0E0 |
| cucumber | 4.885E-5 | | 4.885E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| cabbage | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| lettuce | 6.408E-5 | | 6.408E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 6.014E-5 | | 6.014E-5 | 0.0E0 | 0.0E0 |
| endive | 5.318E-5 | | 5.318E-5 | 0.0E0 | 0.0E0 |
| spinach | 6.205E-5 | | 6.205E-5 | 0.0E0 | 0.0E0 |
| chicory | 5.584E-5 | | 5.584E-5 | 0.0E0 | 0.0E0 |
| celery | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| beans | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| peas | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |
| grass | 4.767E-5 | | 4.767E-5 | 0.0E0 | 0.0E0 |
| maize | 4.886E-5 | | 4.886E-5 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.078E-3 | 0.0E0 | 2.452E-4 | 2.452E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.854E-4 | 1.027E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 9.274E-4 | 7.449E-4 | 4.333E-4 | 8.518E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 1.018E2 | 1.018E2 | 1.018E2 | 0.0E0 | 9.118E0 | 9.118E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.018E2 | | 1.018E2 | | 9.118E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.762E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.762E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.762E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.255E-5 |
| Concentration in meat (mg/kg fw) | 3.83E-3 |
| Concentration in liver (mg/kg fw) | 3.83E-3 |
| Concentration in kidney (mg/kg fw) | 3.83E-3 |
| Concentration in milk (mg/kg fw) | 1.278E-3 |
| Concentration in butter (mg/kg fw) | 2.715E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 9.534E-7 |
| Daily contaminant intake via feed (mg/d) | 3.039E-1 |
| Daily contaminant intake via water (mg/d) | 3.039E-1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.936E-5 | 5.061E-5 | 5.118E-5 | 2.053E-5 | 5.076E-6 | 4.23E-6 | 5.64E-6 | 1.41E-5 | 1.41E-5 | 1.41E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.121E-1 | 9.358E-2 | 7.514E-2 | 6.399E-2 | 4.973E-2 | 4.27E-2 | 4.897E-2 | 4.897E-2 | 4.897E-2 | 4.897E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.93E-5 | 5.047E-5 | 5.104E-5 | 2.047E-5 | 5.062E-6 | 4.218E-6 | 5.624E-6 | 1.406E-5 | 1.406E-5 | 1.406E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.118E-1 | 9.332E-2 | 7.494E-2 | 6.382E-2 | 4.959E-2 | 4.258E-2 | 4.884E-2 | 4.884E-2 | 4.884E-2 | 4.884E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 1.122E-1 | 9.363E-2 | 7.52E-2 | 6.401E-2 | 4.973E-2 | 4.27E-2 | 4.898E-2 | 4.899E-2 | 4.899E-2 | 4.899E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.119E-1 | 9.337E-2 | 7.499E-2 | 6.384E-2 | 4.96E-2 | 4.258E-2 | 4.885E-2 | 4.885E-2 | 4.885E-2 | 4.885E-2 |

**Naphthalene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 4.442E0 | 2.043E2 | 2.962E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.184E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.184E2 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.82E-6 | 2.556E-6 | 1.769E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 9.643E-7 | 4.235E-7 | 2.93E-7 |
| Resulting air concentration from volatilization (mg/m³) | 5.82E-6 | 2.556E-6 | 1.769E-6 |
| Final outdoor air concentration (mg/m³) | 5.82E-6 | 2.556E-6 | 1.769E-6 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 2.959E-3 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.716E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 4.734E-2 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 2.073E-2 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 3.45E-3 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 3.207E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 3.593E-5 |
| Indoor air concentration from volatilization (mg/m³) | 3.207E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.207E-4 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 7.475E-6 | | 7.475E-6 | 0.0E0 | 0.0E0 |
| leek | 7.475E-6 | | 7.475E-6 | 0.0E0 | 0.0E0 |
| tomato | 7.461E-6 | | 7.461E-6 | 0.0E0 | 0.0E0 |
| cucumber | 7.463E-6 | | 7.463E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 7.47E-6 | | 7.47E-6 | 0.0E0 | 0.0E0 |
| cabbage | 7.474E-6 | | 7.474E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 7.475E-6 | | 7.475E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 7.476E-6 | | 7.476E-6 | 0.0E0 | 0.0E0 |
| lettuce | 9.802E-6 | | 9.802E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 9.201E-6 | | 9.201E-6 | 0.0E0 | 0.0E0 |
| endive | 8.135E-6 | | 8.135E-6 | 0.0E0 | 0.0E0 |
| spinach | 9.493E-6 | | 9.493E-6 | 0.0E0 | 0.0E0 |
| chicory | 8.544E-6 | | 8.544E-6 | 0.0E0 | 0.0E0 |
| celery | 7.474E-6 | | 7.474E-6 | 0.0E0 | 0.0E0 |
| beans | 7.475E-6 | | 7.475E-6 | 0.0E0 | 0.0E0 |
| peas | 7.476E-6 | | 7.476E-6 | 0.0E0 | 0.0E0 |
| grass | 7.292E-6 | | 7.292E-6 | 0.0E0 | 0.0E0 |
| maize | 7.475E-6 | | 7.475E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.65E-4 | 0.0E0 | 3.75E-5 | 3.75E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 8.954E-5 | 1.57E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.419E-4 | 1.139E-4 | 6.629E-5 | 1.303E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 7.931E0 | 7.931E0 | 7.931E0 | 0.0E0 | 7.102E-1 | 7.102E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 7.931E0 | | 7.931E0 | | 7.103E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 5.765E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 5.765E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 5.765E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.893E-5 |
| Concentration in meat (mg/kg fw) | 4.572E-4 |
| Concentration in liver (mg/kg fw) | 4.572E-4 |
| Concentration in kidney (mg/kg fw) | 4.572E-4 |
| Concentration in milk (mg/kg fw) | 1.501E-4 |
| Concentration in butter (mg/kg fw) | 3.19E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.458E-7 |
| Daily contaminant intake via feed (mg/d) | 2.367E-2 |
| Daily contaminant intake via water (mg/d) | 2.367E-2 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.012E-7 | 2.645E-7 | 2.675E-7 | 1.073E-7 | 2.653E-8 | 2.211E-8 | 2.948E-8 | 7.369E-8 | 7.369E-8 | 7.369E-8 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.965E-4 | 4.978E-4 | 3.997E-4 | 3.404E-4 | 2.645E-4 | 2.271E-4 | 2.605E-4 | 2.605E-4 | 2.605E-4 | 2.605E-4 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.009E-7 | 2.638E-7 | 2.668E-7 | 1.07E-7 | 2.646E-8 | 2.205E-8 | 2.94E-8 | 7.349E-8 | 7.349E-8 | 7.349E-8 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.949E-4 | 4.965E-4 | 3.987E-4 | 3.395E-4 | 2.638E-4 | 2.265E-4 | 2.598E-4 | 2.598E-4 | 2.598E-4 | 2.598E-4 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 5.966E-4 | 4.981E-4 | 4.0E-4 | 3.405E-4 | 2.646E-4 | 2.272E-4 | 2.606E-4 | 2.606E-4 | 2.606E-4 | 2.606E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.95E-4 | 4.967E-4 | 3.989E-4 | 3.396E-4 | 2.638E-4 | 2.265E-4 | 2.598E-4 | 2.599E-4 | 2.599E-4 | 2.599E-4 |

**TPH aliphatic (EC 5-6)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 0.0E0 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Resulting air concentration from volatilization (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Final outdoor air concentration (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |

| | |
|---|---|
| Air concentration < soil resuspension (mg/m³) | 0.0E0 |

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 0.0E0 |
| Layer determining the soil indoor air concentration | 1.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 0.0E0 |
| Indoor air concentration from volatilization (mg/m³) | 0.0E0 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 0.0E0 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 0.0E0 | | 0.0E0 | | 0.0E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 2.728E-5 |
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 0.0E0 |
| Daily contaminant intake via feed (mg/d) | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**TPH aliphatic (EC >10-12)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.353E2 | 3.4E1 | 3.319E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.97E1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.97E1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.686E-3 | 4.254E-3 | 2.943E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.421E-3 | 6.239E-4 | 4.317E-4 |
| Resulting air concentration from volatilization (mg/m³) | 9.686E-3 | 4.254E-3 | 2.943E-3 |
| Final outdoor air concentration (mg/m³) | 9.686E-3 | 4.254E-3 | 2.943E-3 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 3.315E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.923E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 7.467E1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 3.485E1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 5.13E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 5.088E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 5.29E-2 |
| Indoor air concentration from volatilization (mg/m³) | 5.088E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 5.088E-1 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| leek | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| tomato | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cucumber | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cabbage | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| lettuce | 3.276E-6 | | 3.276E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.074E-6 | | 3.074E-6 | 0.0E0 | 0.0E0 |
| endive | 2.719E-6 | | 2.719E-6 | 0.0E0 | 0.0E0 |
| spinach | 3.172E-6 | | 3.172E-6 | 0.0E0 | 0.0E0 |
| chicory | 2.854E-6 | | 2.854E-6 | 0.0E0 | 0.0E0 |
| celery | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| beans | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| peas | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| grass | 2.437E-6 | | 2.437E-6 | 0.0E0 | 0.0E0 |
| maize | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 5.513E-5 | 0.0E0 | 1.253E-5 | 1.253E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 2.992E-5 | 5.247E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 4.74E-5 | 3.807E-5 | 2.215E-5 | 4.354E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 1.32E0 | 1.32E0 | 1.32E0 | 0.0E0 | 1.182E-1 | 1.182E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.32E0 | | 1.32E0 | | 1.182E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.72E-5 |
| Concentration in meat (mg/kg fw) | 1.965E-4 |
| Concentration in liver (mg/kg fw) | 1.965E-4 |
| Concentration in kidney (mg/kg fw) | 1.965E-4 |
| Concentration in milk (mg/kg fw) | 6.231E-5 |
| Concentration in butter (mg/kg fw) | 1.324E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 4.873E-8 |
| Daily contaminant intake via feed (mg/d) | 3.94E-3 |
| Daily contaminant intake via water (mg/d) | 3.94E-3 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.684E-4 | 4.403E-4 | 4.452E-4 | 1.786E-4 | 4.415E-5 | 3.679E-5 | 4.906E-5 | 1.226E-4 | 1.226E-4 | 1.226E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 9.467E-1 | 7.9E-1 | 6.344E-1 | 5.402E-1 | 4.198E-1 | 3.604E-1 | 4.134E-1 | 4.134E-1 | 4.134E-1 | 4.134E-1 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.679E-4 | 4.391E-4 | 4.44E-4 | 1.781E-4 | 4.403E-5 | 3.669E-5 | 4.892E-5 | 1.223E-4 | 1.223E-4 | 1.223E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 9.441E-1 | 7.878E-1 | 6.326E-1 | 5.387E-1 | 4.186E-1 | 3.594E-1 | 4.123E-1 | 4.123E-1 | 4.123E-1 | 4.123E-1 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 9.468E-1 | 7.904E-1 | 6.348E-1 | 5.404E-1 | 4.198E-1 | 3.605E-1 | 4.135E-1 | 4.136E-1 | 4.136E-1 | 4.136E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 9.442E-1 | 7.882E-1 | 6.331E-1 | 5.389E-1 | 4.187E-1 | 3.595E-1 | 4.123E-1 | 4.124E-1 | 4.124E-1 | 4.124E-1 |

**TPH aliphatic (EC >12-16)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.363E3 | 7.6E-1 | 3.227E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 4.404E-1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 4.404E-1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.417E-4 | 4.136E-4 | 2.862E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.381E-4 | 6.065E-5 | 4.197E-5 |
| Resulting air concentration from volatilization (mg/m³) | 9.417E-4 | 4.136E-4 | 2.862E-4 |
| Final outdoor air concentration (mg/m³) | 9.417E-4 | 4.136E-4 | 2.862E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 3.223E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.87E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 7.259E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 3.388E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 4.987E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 4.947E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 5.143E-3 |
| Indoor air concentration from volatilization (mg/m³) | 4.947E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.947E-2 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| leek | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| tomato | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cucumber | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cabbage | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| lettuce | 8.012E-8 | | 8.012E-8 | 0.0E0 | 0.0E0 |
| lambs lettuce | 7.519E-8 | | 7.519E-8 | 0.0E0 | 0.0E0 |
| endive | 6.649E-8 | | 6.649E-8 | 0.0E0 | 0.0E0 |
| spinach | 7.757E-8 | | 7.757E-8 | 0.0E0 | 0.0E0 |
| chicory | 6.982E-8 | | 6.982E-8 | 0.0E0 | 0.0E0 |
| celery | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| beans | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| peas | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| grass | 5.96E-8 | | 5.96E-8 | 0.0E0 | 0.0E0 |
| maize | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.348E-6 | 0.0E0 | 3.065E-7 | 3.065E-7 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 7.319E-7 | 1.283E-6 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.159E-6 | 9.312E-7 | 5.417E-7 | 1.065E-6 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 2.951E-2 | 2.951E-2 | 2.951E-2 | 0.0E0 | 2.642E-3 | 2.642E-3 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.951E-2 | | 2.951E-2 | | 2.643E-3 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 5.797E-5 |
| Concentration in meat (mg/kg fw) | 5.438E-6 |
| Concentration in liver (mg/kg fw) | 5.438E-6 |
| Concentration in kidney (mg/kg fw) | 5.438E-6 |
| Concentration in milk (mg/kg fw) | 1.711E-6 |
| Concentration in butter (mg/kg fw) | 3.635E-5 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.192E-9 |
| Daily contaminant intake via feed (mg/d) | 8.808E-5 |
| Daily contaminant intake via water (mg/d) | 8.808E-5 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.637E-5 | 4.28E-5 | 4.329E-5 | 1.736E-5 | 4.292E-6 | 3.577E-6 | 4.769E-6 | 1.192E-5 | 1.192E-5 | 1.192E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 9.203E-2 | 7.68E-2 | 6.167E-2 | 5.252E-2 | 4.081E-2 | 3.504E-2 | 4.019E-2 | 4.019E-2 | 4.019E-2 | 4.019E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.633E-5 | 4.269E-5 | 4.317E-5 | 1.731E-5 | 4.281E-6 | 3.567E-6 | 4.756E-6 | 1.189E-5 | 1.189E-5 | 1.189E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 9.178E-2 | 7.659E-2 | 6.15E-2 | 5.238E-2 | 4.07E-2 | 3.494E-2 | 4.008E-2 | 4.008E-2 | 4.008E-2 | 4.008E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 9.205E-2 | 7.684E-2 | 6.171E-2 | 5.254E-2 | 4.082E-2 | 3.504E-2 | 4.02E-2 | 4.021E-2 | 4.021E-2 | 4.021E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 9.18E-2 | 7.663E-2 | 6.155E-2 | 5.239E-2 | 4.07E-2 | 3.495E-2 | 4.009E-2 | 4.01E-2 | 4.01E-2 | 4.01E-2 |

**TPH aliphatic (EC >16-21)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 6.469E2 | 2.5E-3 | 9.946E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.449E-3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.449E-3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.903E-5 | 1.275E-5 | 8.82E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 4.257E-6 | 1.869E-6 | 1.294E-6 |
| Resulting air concentration from volatilization (mg/m³) | 2.903E-5 | 1.275E-5 | 8.82E-6 |
| Final outdoor air concentration (mg/m³) | 2.903E-5 | 1.275E-5 | 8.82E-6 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 9.934E-3 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 5.762E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 2.237E-1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 1.044E-1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.537E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.525E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.585E-4 |
| Indoor air concentration from volatilization (mg/m³) | 1.525E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.525E-3 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| leek | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| tomato | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cucumber | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cabbage | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| lettuce | 2.896E-10 | | 2.896E-10 | 0.0E0 | 0.0E0 |
| lambs lettuce | 2.718E-10 | | 2.718E-10 | 0.0E0 | 0.0E0 |
| endive | 2.404E-10 | | 2.404E-10 | 0.0E0 | 0.0E0 |
| spinach | 2.804E-10 | | 2.804E-10 | 0.0E0 | 0.0E0 |
| chicory | 2.524E-10 | | 2.524E-10 | 0.0E0 | 0.0E0 |
| celery | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| beans | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| peas | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| grass | 2.154E-10 | | 2.154E-10 | 0.0E0 | 0.0E0 |
| maize | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 4.874E-9 | 0.0E0 | 1.108E-9 | 1.108E-9 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 2.646E-9 | 4.639E-9 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 4.191E-9 | 3.366E-9 | 1.958E-9 | 3.849E-9 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 9.706E-5 | 9.706E-5 | 9.706E-5 | 0.0E0 | 8.692E-6 | 8.692E-6 |
| TOTAL INTAKE (summer + winter) (mg/d) | 9.706E-5 | | 9.707E-5 | | 8.693E-6 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 7.625E-5 |
| Concentration in meat (mg/kg fw) | 2.378E-8 |
| Concentration in liver (mg/kg fw) | 2.378E-8 |
| Concentration in kidney (mg/kg fw) | 2.378E-8 |
| Concentration in milk (mg/kg fw) | 7.401E-9 |
| Concentration in butter (mg/kg fw) | 1.573E-7 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 4.309E-12 |
| Daily contaminant intake via feed (mg/d) | 2.897E-7 |
| Daily contaminant intake via water (mg/d) | 2.897E-7 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 5.046E-7 | 1.319E-6 | 1.334E-6 | 5.351E-7 | 1.323E-7 | 1.103E-7 | 1.47E-7 | 3.675E-7 | 3.675E-7 | 3.675E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.837E-3 | 2.367E-3 | 1.901E-3 | 1.619E-3 | 1.258E-3 | 1.08E-3 | 1.239E-3 | 1.239E-3 | 1.239E-3 | 1.239E-3 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 5.032E-7 | 1.316E-6 | 1.331E-6 | 5.336E-7 | 1.319E-7 | 1.1E-7 | 1.466E-7 | 3.665E-7 | 3.665E-7 | 3.665E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.829E-3 | 2.361E-3 | 1.896E-3 | 1.614E-3 | 1.254E-3 | 1.077E-3 | 1.235E-3 | 1.235E-3 | 1.235E-3 | 1.235E-3 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 2.837E-3 | 2.369E-3 | 1.902E-3 | 1.619E-3 | 1.258E-3 | 1.08E-3 | 1.239E-3 | 1.239E-3 | 1.239E-3 | 1.239E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.829E-3 | 2.362E-3 | 1.897E-3 | 1.615E-3 | 1.255E-3 | 1.077E-3 | 1.236E-3 | 1.236E-3 | 1.236E-3 | 1.236E-3 |

**TPH aliphatic (EC >21-35)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 0.0E0 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Resulting air concentration from volatilization (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Final outdoor air concentration (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |

| | |
|---|---|
| Air concentration < soil resuspension (mg/m³) | 0.0E0 |

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 0.0E0 |
| Layer determining the soil indoor air concentration | 1.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 0.0E0 |
| Indoor air concentration from volatilization (mg/m³) | 0.0E0 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 0.0E0 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 0.0E0 | | 0.0E0 | | 0.0E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.585E-2 |
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 0.0E0 |
| Daily contaminant intake via feed (mg/d) | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**TPH aliphatic (EC >6-8)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.499E0 | 4.271E1 | 1.742E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 2.475E1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 2.475E1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.084E-3 | 2.233E-3 | 1.545E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 7.456E-4 | 3.274E-4 | 2.266E-4 |
| Resulting air concentration from volatilization (mg/m³) | 5.084E-3 | 2.233E-3 | 1.545E-3 |
| Final outdoor air concentration (mg/m³) | 5.084E-3 | 2.233E-3 | 1.545E-3 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 1.74E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.009E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 3.919E1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 1.829E1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 2.692E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.671E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 2.776E-2 |
| Indoor air concentration from volatilization (mg/m³) | 2.671E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 2.671E-1 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| leek | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| tomato | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| cucumber | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| cabbage | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| lettuce | 2.983E-6 | | 2.983E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 2.8E-6 | | 2.8E-6 | 0.0E0 | 0.0E0 |
| endive | 2.476E-6 | | 2.476E-6 | 0.0E0 | 0.0E0 |
| spinach | 2.888E-6 | | 2.888E-6 | 0.0E0 | 0.0E0 |
| chicory | 2.6E-6 | | 2.6E-6 | 0.0E0 | 0.0E0 |
| celery | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| beans | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| peas | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |
| grass | 2.219E-6 | | 2.219E-6 | 0.0E0 | 0.0E0 |
| maize | 2.275E-6 | | 2.275E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 5.02E-5 | 0.0E0 | 1.141E-5 | 1.141E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 2.725E-5 | 4.779E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 4.317E-5 | 3.467E-5 | 2.017E-5 | 3.965E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 1.658E0 | 1.658E0 | 1.658E0 | 0.0E0 | 1.485E-1 | 1.485E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.658E0 | | 1.658E0 | | 1.485E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.019E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.019E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.019E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.275E-5 |
| Concentration in meat (mg/kg fw) | 1.689E-4 |
| Concentration in liver (mg/kg fw) | 1.689E-4 |
| Concentration in kidney (mg/kg fw) | 1.689E-4 |
| Concentration in milk (mg/kg fw) | 5.431E-5 |
| Concentration in butter (mg/kg fw) | 1.154E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 4.438E-8 |
| Daily contaminant intake via feed (mg/d) | 4.95E-3 |
| Daily contaminant intake via water (mg/d) | 4.95E-3 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 8.837E-5 | 2.311E-4 | 2.337E-4 | 9.372E-5 | 2.317E-5 | 1.931E-5 | 2.575E-5 | 6.437E-5 | 6.437E-5 | 6.437E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 4.969E-1 | 4.146E-1 | 3.329E-1 | 2.835E-1 | 2.203E-1 | 1.892E-1 | 2.17E-1 | 2.17E-1 | 2.17E-1 | 2.17E-1 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 8.813E-5 | 2.304E-4 | 2.33E-4 | 9.347E-5 | 2.311E-5 | 1.926E-5 | 2.568E-5 | 6.419E-5 | 6.419E-5 | 6.419E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 4.955E-1 | 4.135E-1 | 3.32E-1 | 2.828E-1 | 2.197E-1 | 1.887E-1 | 2.164E-1 | 2.164E-1 | 2.164E-1 | 2.164E-1 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 4.969E-1 | 4.149E-1 | 3.332E-1 | 2.836E-1 | 2.204E-1 | 1.892E-1 | 2.17E-1 | 2.171E-1 | 2.171E-1 | 2.171E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 4.956E-1 | 4.137E-1 | 3.323E-1 | 2.829E-1 | 2.197E-1 | 1.887E-1 | 2.164E-1 | 2.165E-1 | 2.165E-1 | 2.165E-1 |

**TPH aliphatic (EC >8-10)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.471E1 | 5.316E1 | 3.465E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.08E1 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.08E1 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.011E-2 | 4.442E-3 | 3.073E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.483E-3 | 6.514E-4 | 4.507E-4 |
| Resulting air concentration from volatilization (mg/m³) | 1.011E-2 | 4.442E-3 | 3.073E-3 |
| Final outdoor air concentration (mg/m³) | 1.011E-2 | 4.442E-3 | 3.073E-3 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 3.461E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 2.008E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 7.796E1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 3.639E1 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 5.356E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 5.313E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 5.523E-2 |
| Indoor air concentration from volatilization (mg/m³) | 5.313E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 5.313E-1 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| leek | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| tomato | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| cucumber | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| cabbage | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| lettuce | 4.458E-6 | | 4.458E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 4.184E-6 | | 4.184E-6 | 0.0E0 | 0.0E0 |
| endive | 3.7E-6 | | 3.7E-6 | 0.0E0 | 0.0E0 |
| spinach | 4.317E-6 | | 4.317E-6 | 0.0E0 | 0.0E0 |
| chicory | 3.885E-6 | | 3.885E-6 | 0.0E0 | 0.0E0 |
| celery | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| beans | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| peas | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |
| grass | 3.316E-6 | | 3.316E-6 | 0.0E0 | 0.0E0 |
| maize | 3.399E-6 | | 3.399E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 7.503E-5 | 0.0E0 | 1.706E-5 | 1.706E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 4.073E-5 | 7.142E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 6.452E-5 | 5.182E-5 | 3.015E-5 | 5.926E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 2.064E0 | 2.064E0 | 2.064E0 | 0.0E0 | 1.848E-1 | 1.848E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.064E0 | | 2.064E0 | | 1.848E-1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.022E-5 |
| Concentration in meat (mg/kg fw) | 2.602E-4 |
| Concentration in liver (mg/kg fw) | 2.602E-4 |
| Concentration in kidney (mg/kg fw) | 2.602E-4 |
| Concentration in milk (mg/kg fw) | 8.302E-5 |
| Concentration in butter (mg/kg fw) | 1.764E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 6.633E-8 |
| Daily contaminant intake via feed (mg/d) | 6.161E-3 |
| Daily contaminant intake via water (mg/d) | 6.161E-3 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.758E-4 | 4.597E-4 | 4.649E-4 | 1.865E-4 | 4.61E-5 | 3.842E-5 | 5.122E-5 | 1.281E-4 | 1.281E-4 | 1.281E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 9.884E-1 | 8.248E-1 | 6.623E-1 | 5.641E-1 | 4.383E-1 | 3.763E-1 | 4.317E-1 | 4.317E-1 | 4.317E-1 | 4.317E-1 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.753E-4 | 4.584E-4 | 4.636E-4 | 1.859E-4 | 4.597E-5 | 3.831E-5 | 5.108E-5 | 1.277E-4 | 1.277E-4 | 1.277E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 9.857E-1 | 8.226E-1 | 6.605E-1 | 5.625E-1 | 4.371E-1 | 3.753E-1 | 4.305E-1 | 4.305E-1 | 4.305E-1 | 4.305E-1 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 9.886E-1 | 8.253E-1 | 6.628E-1 | 5.642E-1 | 4.384E-1 | 3.764E-1 | 4.317E-1 | 4.318E-1 | 4.318E-1 | 4.318E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 9.859E-1 | 8.23E-1 | 6.61E-1 | 5.627E-1 | 4.372E-1 | 3.753E-1 | 4.305E-1 | 4.306E-1 | 4.306E-1 | 4.306E-1 |

**TPH aromatic (EC >6-7)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 0.0E0 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Resulting air concentration from volatilization (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Final outdoor air concentration (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |

| | |
|---|---|
| Air concentration < soil resuspension (mg/m³) | 0.0E0 |

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 0.0E0 |
| Layer determining the soil indoor air concentration | 1.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 0.0E0 |
| Indoor air concentration from volatilization (mg/m³) | 0.0E0 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 0.0E0 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 0.0E0 | | 0.0E0 | | 0.0E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.14E-6 |
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 0.0E0 |
| Daily contaminant intake via feed (mg/d) | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**TPH aromatic (EC >7-8)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 0.0E0 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Resulting air concentration from volatilization (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Final outdoor air concentration (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |

| | |
|---|---|
| Air concentration < soil resuspension (mg/m³) | 0.0E0 |

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 0.0E0 |
| Layer determining the soil indoor air concentration | 1.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 0.0E0 |
| Indoor air concentration from volatilization (mg/m³) | 0.0E0 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 0.0E0 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 0.0E0 | | 0.0E0 | | 0.0E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.739E-6 |
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 0.0E0 |
| Daily contaminant intake via feed (mg/d) | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**TPH aromatic (EC >8-10)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 4.434E1 | 1.903E3 | 7.444E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.103E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.103E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.176E-3 | 9.555E-4 | 6.612E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 3.205E-4 | 1.407E-4 | 9.739E-5 |
| Resulting air concentration from volatilization (mg/m³) | 2.176E-3 | 9.555E-4 | 6.612E-4 |
| Final outdoor air concentration (mg/m³) | 2.176E-3 | 9.555E-4 | 6.612E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 7.435E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 4.313E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 1.68E1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 7.825E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.157E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.144E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.193E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.144E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.144E-1 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| leek | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| tomato | 1.377E-4 | | 1.377E-4 | 0.0E0 | 0.0E0 |
| cucumber | 1.377E-4 | | 1.377E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.377E-4 | | 1.377E-4 | 0.0E0 | 0.0E0 |
| cabbage | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| lettuce | 1.807E-4 | | 1.807E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.696E-4 | | 1.696E-4 | 0.0E0 | 0.0E0 |
| endive | 1.499E-4 | | 1.499E-4 | 0.0E0 | 0.0E0 |
| spinach | 1.749E-4 | | 1.749E-4 | 0.0E0 | 0.0E0 |
| chicory | 1.574E-4 | | 1.574E-4 | 0.0E0 | 0.0E0 |
| celery | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| beans | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| peas | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |
| grass | 1.344E-4 | | 1.344E-4 | 0.0E0 | 0.0E0 |
| maize | 1.378E-4 | | 1.378E-4 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 3.04E-3 | 0.0E0 | 6.912E-4 | 6.912E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.65E-3 | 2.894E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 2.615E-3 | 2.1E-3 | 1.222E-3 | 2.401E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 7.389E1 | 7.389E1 | 7.389E1 | 0.0E0 | 6.617E0 | 6.617E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 7.389E1 | | 7.389E1 | | 6.617E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 9.047E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 9.047E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 9.047E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 2.921E-5 |
| Concentration in meat (mg/kg fw) | 6.685E-3 |
| Concentration in liver (mg/kg fw) | 6.685E-3 |
| Concentration in kidney (mg/kg fw) | 6.685E-3 |
| Concentration in milk (mg/kg fw) | 2.159E-3 |
| Concentration in butter (mg/kg fw) | 4.587E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 2.688E-6 |
| Daily contaminant intake via feed (mg/d) | 2.206E-1 |
| Daily contaminant intake via water (mg/d) | 2.206E-1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 3.782E-5 | 9.889E-5 | 1.0E-4 | 4.011E-5 | 9.917E-6 | 8.265E-6 | 1.102E-5 | 2.755E-5 | 2.755E-5 | 2.755E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.128E-1 | 1.776E-1 | 1.426E-1 | 1.214E-1 | 9.436E-2 | 8.101E-2 | 9.293E-2 | 9.293E-2 | 9.293E-2 | 9.293E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 3.772E-5 | 9.862E-5 | 9.973E-5 | 4.0E-5 | 9.89E-6 | 8.242E-6 | 1.099E-5 | 2.747E-5 | 2.747E-5 | 2.747E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.122E-1 | 1.771E-1 | 1.422E-1 | 1.211E-1 | 9.41E-2 | 8.079E-2 | 9.267E-2 | 9.267E-2 | 9.267E-2 | 9.267E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 2.128E-1 | 1.777E-1 | 1.427E-1 | 1.215E-1 | 9.437E-2 | 8.102E-2 | 9.294E-2 | 9.295E-2 | 9.295E-2 | 9.295E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.122E-1 | 1.772E-1 | 1.423E-1 | 1.211E-1 | 9.411E-2 | 8.08E-2 | 9.268E-2 | 9.27E-2 | 9.27E-2 | 9.27E-2 |

**TPH aromatic (EC >10-12)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.908E1 | 1.058E3 | 1.207E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 6.133E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 6.133E2 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.54E-4 | 1.554E-4 | 1.076E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 5.269E-5 | 2.314E-5 | 1.601E-5 |
| Resulting air concentration from volatilization (mg/m³) | 3.54E-4 | 1.554E-4 | 1.076E-4 |
| Final outdoor air concentration (mg/m³) | 3.54E-4 | 1.554E-4 | 1.076E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 1.205E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 6.991E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 2.746E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 1.272E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.9E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.863E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.958E-3 |
| Indoor air concentration from volatilization (mg/m³) | 1.863E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.863E-2 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 9.297E-5 | | 9.297E-5 | 0.0E0 | 0.0E0 |
| leek | 9.297E-5 | | 9.297E-5 | 0.0E0 | 0.0E0 |
| tomato | 9.284E-5 | | 9.284E-5 | 0.0E0 | 0.0E0 |
| cucumber | 9.286E-5 | | 9.286E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 9.292E-5 | | 9.292E-5 | 0.0E0 | 0.0E0 |
| cabbage | 9.296E-5 | | 9.296E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 9.297E-5 | | 9.297E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 9.298E-5 | | 9.298E-5 | 0.0E0 | 0.0E0 |
| lettuce | 1.219E-4 | | 1.219E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.144E-4 | | 1.144E-4 | 0.0E0 | 0.0E0 |
| endive | 1.012E-4 | | 1.012E-4 | 0.0E0 | 0.0E0 |
| spinach | 1.181E-4 | | 1.181E-4 | 0.0E0 | 0.0E0 |
| chicory | 1.063E-4 | | 1.063E-4 | 0.0E0 | 0.0E0 |
| celery | 9.296E-5 | | 9.296E-5 | 0.0E0 | 0.0E0 |
| beans | 9.297E-5 | | 9.297E-5 | 0.0E0 | 0.0E0 |
| peas | 9.298E-5 | | 9.298E-5 | 0.0E0 | 0.0E0 |
| grass | 9.069E-5 | | 9.069E-5 | 0.0E0 | 0.0E0 |
| maize | 9.297E-5 | | 9.297E-5 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 2.052E-3 | 0.0E0 | 4.664E-4 | 4.664E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.114E-3 | 1.953E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.764E-3 | 1.417E-3 | 8.244E-4 | 1.621E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 4.109E1 | 4.109E1 | 4.109E1 | 0.0E0 | 3.68E0 | 3.68E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 4.109E1 | | 4.109E1 | | 3.68E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 9.714E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 9.714E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 9.714E-5 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.129E-5 |
| Concentration in meat (mg/kg fw) | 3.992E-3 |
| Concentration in liver (mg/kg fw) | 3.992E-3 |
| Concentration in kidney (mg/kg fw) | 3.992E-3 |
| Concentration in milk (mg/kg fw) | 1.286E-3 |
| Concentration in butter (mg/kg fw) | 2.732E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.814E-6 |
| Daily contaminant intake via feed (mg/d) | 1.227E-1 |
| Daily contaminant intake via water (mg/d) | 1.227E-1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 6.153E-6 | 1.609E-5 | 1.627E-5 | 6.525E-6 | 1.613E-6 | 1.345E-6 | 1.793E-6 | 4.482E-6 | 4.482E-6 | 4.482E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 3.467E-2 | 2.893E-2 | 2.323E-2 | 1.978E-2 | 1.537E-2 | 1.32E-2 | 1.514E-2 | 1.514E-2 | 1.514E-2 | 1.514E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 6.136E-6 | 1.604E-5 | 1.623E-5 | 6.508E-6 | 1.609E-6 | 1.341E-6 | 1.788E-6 | 4.469E-6 | 4.469E-6 | 4.469E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 3.457E-2 | 2.885E-2 | 2.317E-2 | 1.973E-2 | 1.533E-2 | 1.316E-2 | 1.51E-2 | 1.51E-2 | 1.51E-2 | 1.51E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 3.467E-2 | 2.895E-2 | 2.325E-2 | 1.979E-2 | 1.538E-2 | 1.32E-2 | 1.514E-2 | 1.515E-2 | 1.515E-2 | 1.515E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 3.458E-2 | 2.887E-2 | 2.318E-2 | 1.974E-2 | 1.533E-2 | 1.316E-2 | 1.51E-2 | 1.51E-2 | 1.51E-2 | 1.51E-2 |

**TPH aromatic (EC >12-16)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.221E2 | 4.372E3 | 1.886E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 2.534E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 2.534E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.579E-4 | 2.45E-4 | 1.695E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 8.5E-5 | 3.733E-5 | 2.583E-5 |
| Resulting air concentration from volatilization (mg/m³) | 5.579E-4 | 2.45E-4 | 1.695E-4 |
| Final outdoor air concentration (mg/m³) | 5.579E-4 | 2.45E-4 | 1.695E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 1.883E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.093E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 4.369E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 2.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 3.058E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.947E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 3.149E-3 |
| Indoor air concentration from volatilization (mg/m³) | 2.947E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 2.947E-2 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 4.57E-4 | | 4.57E-4 | 0.0E0 | 0.0E0 |
| leek | 4.571E-4 | | 4.571E-4 | 0.0E0 | 0.0E0 |
| tomato | 4.55E-4 | | 4.55E-4 | 0.0E0 | 0.0E0 |
| cucumber | 4.554E-4 | | 4.554E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.563E-4 | | 4.563E-4 | 0.0E0 | 0.0E0 |
| cabbage | 4.569E-4 | | 4.569E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.571E-4 | | 4.571E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.571E-4 | | 4.571E-4 | 0.0E0 | 0.0E0 |
| lettuce | 5.992E-4 | | 5.992E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.626E-4 | | 5.626E-4 | 0.0E0 | 0.0E0 |
| endive | 4.973E-4 | | 4.973E-4 | 0.0E0 | 0.0E0 |
| spinach | 5.804E-4 | | 5.804E-4 | 0.0E0 | 0.0E0 |
| chicory | 5.224E-4 | | 5.224E-4 | 0.0E0 | 0.0E0 |
| celery | 4.569E-4 | | 4.569E-4 | 0.0E0 | 0.0E0 |
| beans | 4.571E-4 | | 4.571E-4 | 0.0E0 | 0.0E0 |
| peas | 4.572E-4 | | 4.572E-4 | 0.0E0 | 0.0E0 |
| grass | 4.458E-4 | | 4.458E-4 | 0.0E0 | 0.0E0 |
| maize | 4.57E-4 | | 4.57E-4 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.008E-2 | 0.0E0 | 2.292E-3 | 2.292E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.474E-3 | 9.599E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 8.673E-3 | 6.966E-3 | 4.052E-3 | 7.966E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 1.698E2 | 1.698E2 | 1.698E2 | 0.0E0 | 1.52E1 | 1.52E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.698E2 | | 1.698E2 | | 1.52E1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.043E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.043E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.043E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.351E-5 |
| Concentration in meat (mg/kg fw) | 1.771E-2 |
| Concentration in liver (mg/kg fw) | 1.771E-2 |
| Concentration in kidney (mg/kg fw) | 1.771E-2 |
| Concentration in milk (mg/kg fw) | 5.688E-3 |
| Concentration in butter (mg/kg fw) | 1.209E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 8.915E-6 |
| Daily contaminant intake via feed (mg/d) | 5.067E-1 |
| Daily contaminant intake via water (mg/d) | 5.067E-1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 9.698E-6 | 2.536E-5 | 2.564E-5 | 1.029E-5 | 2.543E-6 | 2.119E-6 | 2.826E-6 | 7.064E-6 | 7.064E-6 | 7.064E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.482E-2 | 4.575E-2 | 3.673E-2 | 3.128E-2 | 2.431E-2 | 2.087E-2 | 2.394E-2 | 2.394E-2 | 2.394E-2 | 2.394E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 9.672E-6 | 2.529E-5 | 2.557E-5 | 1.026E-5 | 2.536E-6 | 2.113E-6 | 2.818E-6 | 7.045E-6 | 7.045E-6 | 7.045E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.467E-2 | 4.562E-2 | 3.663E-2 | 3.12E-2 | 2.424E-2 | 2.081E-2 | 2.388E-2 | 2.388E-2 | 2.388E-2 | 2.388E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 5.483E-2 | 4.577E-2 | 3.676E-2 | 3.129E-2 | 2.431E-2 | 2.087E-2 | 2.394E-2 | 2.395E-2 | 2.395E-2 | 2.395E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.468E-2 | 4.565E-2 | 3.666E-2 | 3.121E-2 | 2.425E-2 | 2.082E-2 | 2.388E-2 | 2.388E-2 | 2.388E-2 | 2.388E-2 |

**TPH aromatic (EC >16-21)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.967E2 | 6.5E2 | 6.867E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.766E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.766E2 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.117E-5 | 9.297E-6 | 6.433E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 3.56E-6 | 1.563E-6 | 1.082E-6 |
| Resulting air concentration from volatilization (mg/m³) | 2.117E-5 | 9.297E-6 | 6.433E-6 |
| Final outdoor air concentration (mg/m³) | 2.117E-5 | 9.297E-6 | 6.433E-6 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 6.859E-3 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 3.979E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 1.715E-1 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 7.509E-2 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 1.267E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.129E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.3E-4 |
| Indoor air concentration from volatilization (mg/m³) | 1.129E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.129E-3 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 9.146E-5 | | 9.146E-5 | 0.0E0 | 0.0E0 |
| leek | 9.147E-5 | | 9.147E-5 | 0.0E0 | 0.0E0 |
| tomato | 9.089E-5 | | 9.089E-5 | 0.0E0 | 0.0E0 |
| cucumber | 9.098E-5 | | 9.098E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 9.126E-5 | | 9.126E-5 | 0.0E0 | 0.0E0 |
| cabbage | 9.143E-5 | | 9.143E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 9.148E-5 | | 9.148E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 9.149E-5 | | 9.149E-5 | 0.0E0 | 0.0E0 |
| lettuce | 1.199E-4 | | 1.199E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.126E-4 | | 1.126E-4 | 0.0E0 | 0.0E0 |
| endive | 9.952E-5 | | 9.952E-5 | 0.0E0 | 0.0E0 |
| spinach | 1.162E-4 | | 1.162E-4 | 0.0E0 | 0.0E0 |
| chicory | 1.046E-4 | | 1.046E-4 | 0.0E0 | 0.0E0 |
| celery | 9.142E-5 | | 9.142E-5 | 0.0E0 | 0.0E0 |
| beans | 9.148E-5 | | 9.148E-5 | 0.0E0 | 0.0E0 |
| peas | 9.151E-5 | | 9.151E-5 | 0.0E0 | 0.0E0 |
| grass | 8.92E-5 | | 8.92E-5 | 0.0E0 | 0.0E0 |
| maize | 9.145E-5 | | 9.145E-5 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 2.018E-3 | 0.0E0 | 4.587E-4 | 4.587E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.095E-3 | 1.921E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.736E-3 | 1.394E-3 | 8.109E-4 | 1.594E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 2.524E1 | 2.524E1 | 2.524E1 | 0.0E0 | 2.26E0 | 2.26E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.524E1 | | 2.524E1 | | 2.26E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.756E-5 |
| Concentration in meat (mg/kg fw) | 2.964E-3 |
| Concentration in liver (mg/kg fw) | 2.964E-3 |
| Concentration in kidney (mg/kg fw) | 2.964E-3 |
| Concentration in milk (mg/kg fw) | 9.48E-4 |
| Concentration in butter (mg/kg fw) | 2.014E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.784E-6 |
| Daily contaminant intake via feed (mg/d) | 7.533E-2 |
| Daily contaminant intake via water (mg/d) | 7.533E-2 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 3.68E-7 | 9.622E-7 | 9.731E-7 | 3.903E-7 | 9.65E-8 | 8.041E-8 | 1.072E-7 | 2.68E-7 | 2.68E-7 | 2.68E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.101E-3 | 1.753E-3 | 1.408E-3 | 1.199E-3 | 9.317E-4 | 8.0E-4 | 9.176E-4 | 9.176E-4 | 9.176E-4 | 9.176E-4 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 3.67E-7 | 9.596E-7 | 9.704E-7 | 3.892E-7 | 9.623E-8 | 8.019E-8 | 1.069E-7 | 2.673E-7 | 2.673E-7 | 2.673E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.095E-3 | 1.749E-3 | 1.404E-3 | 1.196E-3 | 9.292E-4 | 7.978E-4 | 9.151E-4 | 9.151E-4 | 9.151E-4 | 9.151E-4 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 2.101E-3 | 1.754E-3 | 1.409E-3 | 1.199E-3 | 9.318E-4 | 8.0E-4 | 9.177E-4 | 9.179E-4 | 9.179E-4 | 9.179E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.096E-3 | 1.749E-3 | 1.405E-3 | 1.196E-3 | 9.293E-4 | 7.978E-4 | 9.152E-4 | 9.153E-4 | 9.153E-4 | 9.153E-4 |

**TPH aromatic (EC >21-35)**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 0.0E0 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Resulting air concentration from volatilization (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |
| Final outdoor air concentration (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 |

| | |
|---|---|
| Air concentration < soil resuspension (mg/m³) | 0.0E0 |

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 0.0E0 |
| Layer determining the soil indoor air concentration | 1.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 0.0E0 |
| Indoor air concentration from volatilization (mg/m³) | 0.0E0 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 0.0E0 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 0.0E0 | | 0.0E0 | | 0.0E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.509E-5 |
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 0.0E0 |
| Daily contaminant intake via feed (mg/d) | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 0.0E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**Methyl-t-butylether**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.925E0 | 1.955E4 | 2.862E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.133E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.133E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.071E-4 | 3.545E-4 | 2.453E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.313E-4 | 5.764E-5 | 3.989E-5 |
| Resulting air concentration from volatilization (mg/m³) | 8.071E-4 | 3.545E-4 | 2.453E-4 |
| Final outdoor air concentration (mg/m³) | 8.071E-4 | 3.545E-4 | 2.453E-4 |

Air concentration < soil resuspension (mg/m³) 0.0E0

**Building** **Basement**

| | |
|---|---|
| Contaminant flux from groundwater to crawl space through bottom (mg/m²d) | |
| State of the floor | Gaps and holes |
| Contaminant flux from soil to indoor air through basement floor (mg/m²d) | 2.859E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.658E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 9.988E-4 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 9.999E-5 |
| Contaminant flux from soil to indoor air through basement walls (direct) (mg/m²d) | 6.479E0 |
| Contaminant flux from soil to indoor air through basement walls (indirect) (mg/m²d) | 2.875E0 |
| Contaminant flux from groundwater to indoor air through basement walls (direct) (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air through basement walls (indirect) (mg/m²d) | 4.692E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 7.435E-4 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 9.667E-5 |
| Air flux from groundwater to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from groundwater to indoor air through basement walls (indirect) (m³/m²d) | 3.946E-5 |
| Soil crawl space concentration (mg/m³) | |
| Groundwater crawl space concentration (mg/m³) | |
| Contaminant flux soil from crawl space to indoor (mg/m²d) | |
| Contaminant flux groundwater from crawl space to indoor (mg/m²d) | |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 4.315E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.83E-3 |
| Indoor air concentration from volatilization (mg/m³) | 4.315E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.315E-2 |

**Bathroom air**

| | |
|---|---|
| Shower stall concentration (mg/m³) | 0.0E0 |
| Bathroom air concentration (mg/m³) | 0.0E0 |

| | Total concentration | Concentration due to soil-plant transfer | Concentration due to translocation and gas deposition from root to stem and leafs | Concentration due to particle deposition | Concentration due to splashed soil particles |
|---|---|---|---|---|---|
| potato | 0.0E0 | 0.0E0 | | | |
| carrot | 0.0E0 | 0.0E0 | | | |
| scorzonera and parsnip | 0.0E0 | 0.0E0 | | | |
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| leek | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| tomato | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| cucumber | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| cabbage | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| lettuce | 5.646E-6 | | 5.646E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.298E-6 | | 5.298E-6 | 0.0E0 | 0.0E0 |
| endive | 4.685E-6 | | 4.685E-6 | 0.0E0 | 0.0E0 |
| spinach | 5.466E-6 | | 5.466E-6 | 0.0E0 | 0.0E0 |
| chicory | 4.92E-6 | | 4.92E-6 | 0.0E0 | 0.0E0 |
| celery | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| beans | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| peas | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |
| grass | 4.2E-6 | | 4.2E-6 | 0.0E0 | 0.0E0 |
| maize | 4.305E-6 | | 4.305E-6 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 9.501E-5 | 0.0E0 | 2.16E-5 | 2.16E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.157E-5 | 9.044E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 8.17E-5 | 6.562E-5 | 3.817E-5 | 7.504E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 7.589E2 | 7.589E2 | 7.589E2 | 0.0E0 | 6.796E1 | 6.796E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 7.589E2 | | 7.589E2 | | 6.796E1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |

| | |
|---|---|
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.188E-7 |
| Concentration in meat (mg/kg fw) | 2.261E-4 |
| Concentration in liver (mg/kg fw) | 2.261E-4 |
| Concentration in kidney (mg/kg fw) | 2.261E-4 |
| Concentration in milk (mg/kg fw) | 9.017E-5 |
| Concentration in butter (mg/kg fw) | 1.916E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 8.399E-8 |
| Daily contaminant intake via feed (mg/d) | 2.265E0 |
| Daily contaminant intake via water (mg/d) | 2.265E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

| | 1 -< 3y | 3 -< 6y | 6 -< 10y | 10 -< 15y | 15 -< 21y | 21 -< 31y | 31 -< 41y | 41 -< 51y | 51 -< 61y | > 61y |
|---|---|---|---|---|---|---|---|---|---|---|
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| **Exposure via soil & dust ingestion** | | | | | | | | | | |
| Daily exposure via soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via soil & dust | | | | | | | | | | |
| **Year-averaged exposure via consumption of local vegetables** | | | | | | | | | | |
| Background exposure via food consumption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via consumption of local vegetables (mg/kg.d) | | | | | | | | | | |
| potatoes | | | | | | | | | | |
| root and tuberous plants | | | | | | | | | | |
| bulbous plants | | | | | | | | | | |
| fruit vegetables | | | | | | | | | | |
| cabbages | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| leafy vegetables | | | | | | | | | | |
| leguminous vegetables | | | | | | | | | | |
| Beef meat (mg/kg.d) | | | | | | | | | | |
| Organ meat (mg/kg.d) | | | | | | | | | | |
| Milk (mg/kg.d) | | | | | | | | | | |
| Butter (mg/kg.d) | | | | | | | | | | |
| Eggs (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via consumption of animal products (mg/kg.d) | | | | | | | | | | |
| **Exposure via drinking water** | | | | | | | | | | |
| Year-averaged background exposure via drinking water of non-local origin (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via drinking water of local origin (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via drinking water via local origin (mg/kg.d) | | | | | | | | | | |
| Daily total oral exposure (mg/kg.d) | | | | | | | | | | |
| Year-averaged total oral exposure (mg/kg.d) | | | | | | | | | | |
| **Exposure via dermal absorption** | | | | | | | | | | |
| Daily exposure via dermal absorption from soil (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption from soil & dust (mg/kg.d) | | | | | | | | | | |
| Year-averaged exposure via dermal absorption of soil & dust (mg/kg.d) | | | | | | | | | | |
| Daily exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during bathing (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via dermal absorption during showering (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year-averaged total exposure via dermal absorption (mg/kg.d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| **Exposure via inhalation** | | | | | | | | | | |
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.403E-5 | 3.669E-5 | 3.71E-5 | 1.488E-5 | 3.679E-6 | 3.066E-6 | 4.088E-6 | 1.022E-5 | 1.022E-5 | 1.022E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 8.027E-2 | 6.698E-2 | 5.379E-2 | 4.581E-2 | 3.559E-2 | 3.056E-2 | 3.506E-2 | 3.506E-2 | 3.506E-2 | 3.506E-2 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 1.399E-5 | 3.659E-5 | 3.7E-5 | 1.484E-5 | 3.669E-6 | 3.058E-6 | 4.077E-6 | 1.019E-5 | 1.019E-5 | 1.019E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 8.005E-2 | 6.68E-2 | 5.364E-2 | 4.568E-2 | 3.55E-2 | 3.048E-2 | 3.496E-2 | 3.496E-2 | 3.496E-2 | 3.496E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 8.028E-2 | 6.702E-2 | 5.383E-2 | 4.582E-2 | 3.56E-2 | 3.056E-2 | 3.506E-2 | 3.507E-2 | 3.507E-2 | 3.507E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 8.006E-2 | 6.684E-2 | 5.368E-2 | 4.57E-2 | 3.55E-2 | 3.048E-2 | 3.496E-2 | 3.497E-2 | 3.497E-2 | 3.497E-2 |