# ADMINISTRATIVE INFORMATION

Name : CSM_L_2ep

Label : YV

Application type : II Site specific risk assessment

Region Wallonia

Description : conc BTEXmtbe = iterering 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 | 1.004E0 | 6.856E-1 | 4.763E-1 | |
| RI overall | 1.004E0 | 6.856E-1 | 4.763E-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 | 1.807E-5 | 1.234E-5 | 8.574E-6 | 9.737E-6 |
| ExCR overall | 1.807E-5 | 1.234E-5 | 8.574E-6 | 9.737E-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 |
|---|---|---|---|
| | | 6.078E-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)* | *3.01E-3* | *100.00* | *2.06E-3* | *100.00* | *1.43E-3* | *100.00* |
| Exposure concentration outdoor inhalation | 2.36E-6 | 0.08 | 2.12E-6 | 0.10 | 6.11E-7 | 0.04 |
| Exposure concentration indoor inhalation | 3.01E-3 | 99.92 | 2.05E-3 | 99.90 | 1.43E-3 | 99.96 |
| 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 | 3.01E-3 | 100.00 | 2.06E-3 | 100.00 | 1.43E-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 | 9.971E-1 | 6.808E-1 | 4.73E-1 | |
| RI overall | 9.971E-1 | 6.808E-1 | 4.73E-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)* | *2.59E-1* | *100.00* | *1.77E-1* | *100.00* | *1.23E-1* | *100.00* |
| Exposure concentration outdoor inhalation | 2.03E-4 | 0.08 | 1.82E-4 | 0.10 | 5.25E-5 | 0.04 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration indoor inhalation | 2.59E-1 | 99.92 | 1.77E-1 | 99.90 | 1.23E-1 | 99.96 |
| 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 | 2.59E-1 | 100.00 | 1.77E-1 | 100.00 | 1.23E-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 | 2.462E-2 | 1.681E-2 | 1.168E-2 |
| RI overall | 2.462E-2 | 1.681E-2 | 1.168E-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 | 1.847E-5 | 1.261E-5 | 8.761E-6 | 9.95E-6 |
| ExCR overall | 1.847E-5 | 1.261E-5 | 8.761E-6 | 9.95E-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)* | *7.39E-3* | *100.00* | *5.04E-3* | *100.00* | *3.5E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 5.77E-6 | 0.08 | 5.17E-6 | 0.10 | 1.49E-6 | 0.04 |
| Exposure concentration indoor inhalation | 7.38E-3 | 99.92 | 5.04E-3 | 99.90 | 3.5E-3 | 99.96 |
| 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 | 7.39E-3 | 100.00 | 5.04E-3 | 100.00 | 3.5E-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 | 9.97E-1 | 6.808E-1 | 4.73E-1 | |
| RI overall | 9.97E-1 | 6.808E-1 | 4.73E-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)* | *9.97E-2* | *100.00* | *6.81E-2* | *100.00* | *4.73E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 7.78E-5 | 0.08 | 6.98E-5 | 0.10 | 2.01E-5 | 0.04 |
| Exposure concentration indoor inhalation | 9.96E-2 | 99.92 | 6.8E-2 | 99.90 | 4.73E-2 | 99.96 |
| 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 | 9.97E-2 | 100.00 | 6.81E-2 | 100.00 | 4.73E-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 | 1.801E-5 | 1.23E-5 | 8.545E-6 | 9.704E-6 |
| ExCR overall | 1.801E-5 | 1.23E-5 | 8.545E-6 | 9.704E-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)* | *5.3E-4* | *100.00* | *3.62E-4* | *100.00* | *2.51E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 4.14E-7 | 0.08 | 3.71E-7 | 0.10 | 1.07E-7 | 0.04 |
| Exposure concentration indoor inhalation | 5.29E-4 | 99.92 | 3.61E-4 | 99.90 | 2.51E-4 | 99.96 |
| 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 | 5.3E-4 | 100.00 | 3.62E-4 | 100.00 | 2.51E-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 | 1.952E-1 | 1.333E-1 | 9.262E-2 | |
| RI overall | 1.952E-1 | 1.333E-1 | 9.262E-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)* | *1.95E-1* | *100.00* | *1.33E-1* | *100.00* | *9.26E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.53E-4 | 0.08 | 1.37E-4 | 0.10 | 3.97E-5 | 0.04 |
| Exposure concentration indoor inhalation | 1.95E-1 | 99.92 | 1.33E-1 | 99.90 | 9.26E-2 | 99.96 |
| 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 | 1.95E-1 | 100.00 | 1.33E-1 | 100.00 | 9.26E-2 | 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 | 1.898E-2 | 1.296E-2 | 9.005E-3 | |
| RI overall | 1.898E-2 | 1.296E-2 | 9.005E-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)* | *1.9E-2* | *100.00* | *1.3E-2* | *100.00* | *9.0E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.49E-5 | 0.08 | 1.34E-5 | 0.10 | 3.86E-6 | 0.04 |
| Exposure concentration indoor inhalation | 1.9E-2 | 99.92 | 1.29E-2 | 99.90 | 9.0E-3 | 99.96 |
| 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 | 1.9E-2 | 100.00 | 1.3E-2 | 100.00 | 9.0E-3 | 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 | 8.358E-5 | 5.707E-5 | 3.965E-5 | |
| RI overall | 8.358E-5 | 5.707E-5 | 3.965E-5 | |
| 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)* | *5.85E-4* | *100.00* | *3.99E-4* | *100.00* | *2.78E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 4.6E-7 | 0.08 | 4.12E-7 | 0.10 | 1.19E-7 | 0.04 |
| Exposure concentration indoor inhalation | 5.85E-4 | 99.92 | 3.99E-4 | 99.90 | 2.77E-4 | 99.96 |
| 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 | 5.85E-4 | 100.00 | 3.99E-4 | 100.00 | 2.78E-4 | 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 | 2.468E-2 | 1.685E-2 | 1.171E-2 | |
| RI overall | 2.468E-2 | 1.685E-2 | 1.171E-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)* | *4.54E-1* | *100.00* | *3.1E-1* | *100.00* | *2.15E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.57E-4 | 0.08 | 3.2E-4 | 0.10 | 9.23E-5 | 0.04 |
| Exposure concentration indoor inhalation | 4.54E-1 | 99.92 | 3.1E-1 | 99.90 | 2.15E-1 | 99.96 |
| 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 | 4.54E-1 | 100.00 | 3.1E-1 | 100.00 | 2.15E-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 | 9.217E-1 | 6.293E-1 | 4.372E-1 | |
| RI overall | 9.217E-1 | 6.293E-1 | 4.372E-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)* | *9.22E-1* | *100.00* | *6.29E-1* | *100.00* | *4.37E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 7.24E-4 | 0.08 | 6.49E-4 | 0.10 | 1.87E-4 | 0.04 |
| Exposure concentration indoor inhalation | 9.21E-1 | 99.92 | 6.29E-1 | 99.90 | 4.37E-1 | 99.96 |
| 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 | 9.22E-1 | 100.00 | 6.29E-1 | 100.00 | 4.37E-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 | 9.94E-1 | 6.787E-1 | 4.716E-1 | |
| RI overall | 9.94E-1 | 6.787E-1 | 4.716E-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)* | *1.99E-1* | *100.00* | *1.36E-1* | *100.00* | *9.43E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.56E-4 | 0.08 | 1.4E-4 | 0.10 | 4.04E-5 | 0.04 |
| Exposure concentration indoor inhalation | 1.99E-1 | 99.92 | 1.36E-1 | 99.90 | 9.43E-2 | 99.96 |
| 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 | 1.99E-1 | 100.00 | 1.36E-1 | 100.00 | 9.43E-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 | 1.613E-1 | 1.102E-1 | 7.654E-2 | |
| RI overall | 1.613E-1 | 1.102E-1 | 7.654E-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)* | *3.23E-2* | *100.00* | *2.2E-2* | *100.00* | *1.53E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.54E-5 | 0.08 | 2.27E-5 | 0.10 | 6.56E-6 | 0.04 |
| Exposure concentration indoor inhalation | 3.22E-2 | 99.92 | 2.2E-2 | 99.90 | 1.53E-2 | 99.96 |
| 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 | 3.23E-2 | 100.00 | 2.2E-2 | 100.00 | 1.53E-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 | 7.404E-2 | 5.056E-2 | 3.513E-2 | |
| RI overall | 7.404E-2 | 5.056E-2 | 3.513E-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)* | *1.48E-2* | *100.00* | *1.01E-2* | *100.00* | *7.03E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 1.16E-5 | 0.08 | 1.04E-5 | 0.10 | 3.01E-6 | 0.04 |
| Exposure concentration indoor inhalation | 1.48E-2 | 99.92 | 1.01E-2 | 99.90 | 7.02E-3 | 99.96 |
| 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 | 1.48E-2 | 100.00 | 1.01E-2 | 100.00 | 7.03E-3 | 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 | 3.948E-3 | 2.696E-3 | 1.873E-3 | |
| RI overall | 3.948E-3 | 2.696E-3 | 1.873E-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)* | *4.15E-4* | *100.00* | *2.83E-4* | *100.00* | *1.97E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.27E-7 | 0.08 | 2.93E-7 | 0.10 | 8.45E-8 | 0.04 |
| Exposure concentration indoor inhalation | 4.14E-4 | 99.92 | 2.83E-4 | 99.90 | 1.97E-4 | 99.96 |
| 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 | 4.15E-4 | 100.00 | 2.83E-4 | 100.00 | 1.97E-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 | 2.388E-2 | 1.63E-2 | 1.133E-2 | |
| RI overall | 2.388E-2 | 1.63E-2 | 1.133E-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 | 1.862E-5 | 1.272E-5 | 8.835E-6 | 1.003E-5 |
| ExCR overall | 1.862E-5 | 1.272E-5 | 8.835E-6 | 1.003E-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)* | *7.16E-2* | *100.00* | *4.89E-2* | *100.00* | *3.4E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 5.63E-5 | 0.08 | 5.05E-5 | 0.10 | 1.46E-5 | 0.04 |
| Exposure concentration indoor inhalation | 7.16E-2 | 99.92 | 4.89E-2 | 99.90 | 3.4E-2 | 99.96 |
| 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 | 7.16E-2 | 100.00 | 4.89E-2 | 100.00 | 3.4E-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 sandy loam | | Justification |
|---|---|---|
| Soil type | Standard | |
| Top of layer (m) | 0.0E0 | |
| Organic matter (%) | 2.8E0 | |

| | | |
|---|---|---|
| Clay content (%) | 1.2E1 | |
| pH_KCl | 5.4E0 | |
| Bulk density ρ_s (kg/m³) | 1.127E3 | |
| Air-filled porosity θ_a (m³/m³) | 2.43E-1 | |
| Water-filled porosity θ_w (m³/m³) | 3.41E-1 | |
| Total soil porosity θ_s (m³/m³) | 5.84E-1 | |
| Soil air permeability (m²) | 4.8E-14 | |
| CEC (meq/100g) | 1.29E1 | |
| 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) | 4.15E-1 | |
| Length of capillary zone L_cz (m) | 2.3E0 | |

| Standard sandy loam | | Justification |
|---|---|---|
| Soil type | Standard | |
| Top of layer (m) | 7.0E0 | |
| Organic matter (%) | 2.8E0 | |
| Clay content (%) | 1.2E1 | |
| pH_KCl | 5.4E0 | |
| Bulk density ρ_s (kg/m³) | 1.127E3 | |
| Air-filled porosity θ_a (m³/m³) | 2.43E-1 | |
| Water-filled porosity θ_w (m³/m³) | 3.41E-1 | |
| Total soil porosity θ_s (m³/m³) | 5.84E-1 | |
| Soil air permeability (m²) | 4.8E-14 | |
| CEC (meq/100g) | 1.29E1 | |
| 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) | 4.15E-1 | |
| Length of capillary zone L_cz (m) | 2.3E0 | |

**Concentrations**

**Benzene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **5.85E-1** | | **2.107E2** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **6.9E1** | | **1.63E4** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **2.65E0** | | **4.331E2** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **4.02E1** | | **6.717E3** |

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 sandy loam | 0.0 | 0.0E0 | | 0.0E0 |
| Standard sandy loam | 7.0 | 2.25E1 | | 5.439E2 |

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 sandy loam | 0.0 | 0.0E0 | | 0.0E0 |
| Standard sandy loam | 7.0 | 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 sandy loam | 0.0 | 0.0E0 | | 0.0E0 |
| Standard sandy loam | 7.0 | 1.167E3 | | 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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **6.739E3** | | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **3.195E3** | | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **1.378E1** | | **1.097E2** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **1.251E2** | | **1.393E2** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **2.223E2** | | **5.003E3** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **1.945E2** | | **2.781E3** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **1.598E3** | | **3.361E3** |

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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **9.727E2** | | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **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 sandy loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard sandy loam | 7.0 | **3.625E1** | | **5.087E4** |

Pathway-specific concentrations

Concentrations in transfer media

| Groundwater | | Justification |
|---|---|---|
| Depth of groundwater table (m-mv) | **8.000** | |
| 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) | 2.0E0 | |
| 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 4.621E-1 | 3.636E2 | 5.952E1 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 2.107E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 2.107E2 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 6.92E-5 | 3.039E-5 | 2.103E-5 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |

| | | | |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 2.721E-5 | 1.195E-5 | 8.27E-6 |
| Resulting air concentration from volatilization (mg/m³) | 6.92E-5 | 3.039E-5 | 2.103E-5 |
| Final outdoor air concentration (mg/m³) | 6.92E-5 | 3.039E-5 | 2.103E-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) | 2.484E-3 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.199E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.78E-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) | 7.067E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.801E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 7.167E-4 |
| Indoor air concentration from volatilization (mg/m³) | 1.801E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.801E-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) | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| leek | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| tomato | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| cucumber | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| cabbage | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| lettuce | 3.734E-7 | | 3.734E-7 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.504E-7 | | 3.504E-7 | 0.0E0 | 0.0E0 |
| endive | 3.099E-7 | | 3.099E-7 | 0.0E0 | 0.0E0 |
| spinach | 3.615E-7 | | 3.615E-7 | 0.0E0 | 0.0E0 |
| chicory | 3.254E-7 | | 3.254E-7 | 0.0E0 | 0.0E0 |
| celery | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| beans | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| peas | 2.847E-7 | | 2.847E-7 | 0.0E0 | 0.0E0 |
| grass | 2.778E-7 | | 2.778E-7 | 0.0E0 | 0.0E0 |
| maize | 2.847E-7 | | 2.847E-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 | 6.284E-6 | 0.0E0 | 1.429E-6 | 1.429E-6 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.411E-6 | 5.982E-6 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.404E-6 | 4.34E-6 | 2.525E-6 | 4.963E-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) | 1.412E1 | 1.412E1 | 1.412E1 | 0.0E0 | 1.264E0 | 1.264E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.412E1 | | 1.412E1 | | 1.264E0 | |

| | |
|---|---|
| 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) | 4.402E-5 |
| Concentration in liver (mg/kg fw) | 4.402E-5 |
| Concentration in kidney (mg/kg fw) | 4.402E-5 |
| Concentration in milk (mg/kg fw) | 1.61E-5 |
| Concentration in butter (mg/kg fw) | 3.42E-4 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.555E-9 |
| Daily contaminant intake via feed (mg/d) | 4.214E-2 |
| Daily contaminant intake via water (mg/d) | 4.214E-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) | 1.203E-6 | 3.145E-6 | 3.181E-6 | 1.276E-6 | 3.154E-7 | 2.629E-7 | 3.505E-7 | 8.762E-7 | 8.762E-7 | 8.762E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 3.351E-3 | 2.796E-3 | 2.245E-3 | 1.912E-3 | 1.486E-3 | 1.276E-3 | 1.463E-3 | 1.463E-3 | 1.463E-3 | 1.463E-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) | 1.2E-6 | 3.137E-6 | 3.172E-6 | 1.272E-6 | 3.146E-7 | 2.621E-7 | 3.495E-7 | 8.738E-7 | 8.738E-7 | 8.738E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 3.342E-3 | 2.788E-3 | 2.239E-3 | 1.907E-3 | 1.482E-3 | 1.272E-3 | 1.459E-3 | 1.459E-3 | 1.459E-3 | 1.459E-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) | 3.352E-3 | 2.799E-3 | 2.249E-3 | 1.913E-3 | 1.486E-3 | 1.276E-3 | 1.464E-3 | 1.464E-3 | 1.464E-3 | 1.464E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 3.343E-3 | 2.792E-3 | 2.242E-3 | 1.908E-3 | 1.482E-3 | 1.273E-3 | 1.46E-3 | 1.46E-3 | 1.46E-3 | 1.46E-3 |

**Toluene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 5.931E1 | 2.812E4 | 5.462E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 1.63E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.63E4 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 5.948E-3 | 2.612E-3 | 1.808E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 2.337E-3 | 1.026E-3 | 7.102E-4 |
| Resulting air concentration from volatilization (mg/m³) | 5.948E-3 | 2.612E-3 | 1.808E-3 |
| Final outdoor air concentration (mg/m³) | 5.948E-3 | 2.612E-3 | 1.808E-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) | 2.279E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.101E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.531E1 |
| 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) | 6.073E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.55E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 6.165E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.55E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.55E-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) | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| leek | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| tomato | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| cucumber | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| cabbage | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| lettuce | 9.852E-5 | | 9.852E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 9.246E-5 | | 9.246E-5 | 0.0E0 | 0.0E0 |
| endive | 8.177E-5 | | 8.177E-5 | 0.0E0 | 0.0E0 |
| spinach | 9.54E-5 | | 9.54E-5 | 0.0E0 | 0.0E0 |
| chicory | 8.586E-5 | | 8.586E-5 | 0.0E0 | 0.0E0 |
| celery | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| beans | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| peas | 7.512E-5 | | 7.512E-5 | 0.0E0 | 0.0E0 |
| grass | 7.329E-5 | | 7.329E-5 | 0.0E0 | 0.0E0 |
| maize | 7.512E-5 | | 7.512E-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 | 1.658E-3 | 0.0E0 | 3.769E-4 | 3.769E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 9.0E-4 | 1.578E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.426E-3 | 1.145E-3 | 6.662E-4 | 1.31E-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) | 1.092E3 | 1.092E3 | 1.092E3 | 0.0E0 | 9.777E1 | 9.777E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.092E3 | | 1.092E3 | | 9.777E1 | |

| | |
|---|---|
| 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) | 1.169E-2 |
| Concentration in liver (mg/kg fw) | 1.169E-2 |
| Concentration in kidney (mg/kg fw) | 1.169E-2 |
| Concentration in milk (mg/kg fw) | 4.083E-3 |
| Concentration in butter (mg/kg fw) | 8.675E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.466E-6 |
| Daily contaminant intake via feed (mg/d) | 3.259E0 |
| Daily contaminant intake via water (mg/d) | 3.259E0 |
| 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) | 1.034E-4 | 2.704E-4 | 2.734E-4 | 1.097E-4 | 2.711E-5 | 2.26E-5 | 3.013E-5 | 7.532E-5 | 7.532E-5 | 7.532E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.884E-1 | 2.407E-1 | 1.932E-1 | 1.646E-1 | 1.279E-1 | 1.098E-1 | 1.259E-1 | 1.259E-1 | 1.259E-1 | 1.259E-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) | 1.031E-4 | 2.696E-4 | 2.727E-4 | 1.094E-4 | 2.704E-5 | 2.253E-5 | 3.005E-5 | 7.511E-5 | 7.511E-5 | 7.511E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.876E-1 | 2.4E-1 | 1.927E-1 | 1.641E-1 | 1.275E-1 | 1.095E-1 | 1.256E-1 | 1.256E-1 | 1.256E-1 | 1.256E-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) | 2.885E-1 | 2.409E-1 | 1.935E-1 | 1.647E-1 | 1.279E-1 | 1.098E-1 | 1.26E-1 | 1.26E-1 | 1.26E-1 | 1.26E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.877E-1 | 2.403E-1 | 1.93E-1 | 1.642E-1 | 1.276E-1 | 1.095E-1 | 1.256E-1 | 1.257E-1 | 1.257E-1 | 1.257E-1 |

**Ethylbenzene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 2.386E0 | 7.475E2 | 1.746E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 4.331E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 4.331E2 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.691E-4 | 7.427E-5 | 5.139E-5 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 6.642E-5 | 2.917E-5 | 2.018E-5 |
| Resulting air concentration from volatilization (mg/m³) | 1.691E-4 | 7.427E-5 | 5.139E-5 |
| Final outdoor air concentration (mg/m³) | 1.691E-4 | 7.427E-5 | 5.139E-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) | 7.289E-3 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 3.52E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 4.356E-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) | 1.728E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 4.417E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.757E-3 |
| Indoor air concentration from volatilization (mg/m³) | 4.417E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.417E-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) | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| leek | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| tomato | 6.139E-6 | | 6.139E-6 | 0.0E0 | 0.0E0 |
| cucumber | 6.14E-6 | | 6.14E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 6.14E-6 | | 6.14E-6 | 0.0E0 | 0.0E0 |
| cabbage | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| lettuce | 8.053E-6 | | 8.053E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 7.558E-6 | | 7.558E-6 | 0.0E0 | 0.0E0 |
| endive | 6.684E-6 | | 6.684E-6 | 0.0E0 | 0.0E0 |
| spinach | 7.798E-6 | | 7.798E-6 | 0.0E0 | 0.0E0 |
| chicory | 7.018E-6 | | 7.018E-6 | 0.0E0 | 0.0E0 |
| celery | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| beans | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| peas | 6.141E-6 | | 6.141E-6 | 0.0E0 | 0.0E0 |
| grass | 5.991E-6 | | 5.991E-6 | 0.0E0 | 0.0E0 |
| maize | 6.141E-6 | | 6.141E-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 | 1.355E-4 | 0.0E0 | 3.081E-5 | 3.081E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 7.357E-5 | 1.29E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.165E-4 | 9.361E-5 | 5.446E-5 | 1.07E-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) | 2.902E1 | 2.902E1 | 2.902E1 | 0.0E0 | 2.599E0 | 2.599E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.902E1 | | 2.902E1 | | 2.599E0 | |

| | |
|---|---|
| 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) | 1.017E-3 |
| Concentration in liver (mg/kg fw) | 1.017E-3 |
| Concentration in kidney (mg/kg fw) | 1.017E-3 |
| Concentration in milk (mg/kg fw) | 3.4E-4 |
| Concentration in butter (mg/kg fw) | 7.225E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.198E-7 |
| Daily contaminant intake via feed (mg/d) | 8.662E-2 |
| Daily contaminant intake via water (mg/d) | 8.662E-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) | 2.94E-6 | 7.687E-6 | 7.773E-6 | 3.118E-6 | 7.709E-7 | 6.424E-7 | 8.565E-7 | 2.141E-6 | 2.141E-6 | 2.141E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 8.218E-3 | 6.858E-3 | 5.507E-3 | 4.69E-3 | 3.644E-3 | 3.129E-3 | 3.589E-3 | 3.589E-3 | 3.589E-3 | 3.589E-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) | 2.932E-6 | 7.666E-6 | 7.752E-6 | 3.109E-6 | 7.688E-7 | 6.406E-7 | 8.542E-7 | 2.135E-6 | 2.135E-6 | 2.135E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 8.195E-3 | 6.839E-3 | 5.492E-3 | 4.677E-3 | 3.634E-3 | 3.12E-3 | 3.579E-3 | 3.579E-3 | 3.579E-3 | 3.579E-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) | 8.221E-3 | 6.865E-3 | 5.515E-3 | 4.693E-3 | 3.645E-3 | 3.129E-3 | 3.59E-3 | 3.591E-3 | 3.591E-3 | 3.591E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 8.198E-3 | 6.847E-3 | 5.499E-3 | 4.68E-3 | 3.635E-3 | 3.121E-3 | 3.58E-3 | 3.581E-3 | 3.581E-3 | 3.581E-3 |

**m-Xylene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 3.617E1 | 1.159E4 | 2.44E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 6.717E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 6.717E3 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 2.281E-3 | 1.002E-3 | 6.931E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 8.96E-4 | 3.935E-4 | 2.723E-4 |
| Resulting air concentration from volatilization (mg/m³) | 2.281E-3 | 1.002E-3 | 6.931E-4 |
| Final outdoor air concentration (mg/m³) | 2.281E-3 | 1.002E-3 | 6.931E-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) | 1.019E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 4.919E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 5.877E0 |
| 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) | 2.331E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 5.962E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 2.372E-2 |
| Indoor air concentration from volatilization (mg/m³) | 5.962E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 5.962E-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) | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| leek | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| tomato | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| cucumber | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| cabbage | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| lettuce | 1.313E-4 | | 1.313E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.232E-4 | | 1.232E-4 | 0.0E0 | 0.0E0 |
| endive | 1.089E-4 | | 1.089E-4 | 0.0E0 | 0.0E0 |
| spinach | 1.271E-4 | | 1.271E-4 | 0.0E0 | 0.0E0 |
| chicory | 1.144E-4 | | 1.144E-4 | 0.0E0 | 0.0E0 |
| celery | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| beans | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| peas | 1.001E-4 | | 1.001E-4 | 0.0E0 | 0.0E0 |
| grass | 9.764E-5 | | 9.764E-5 | 0.0E0 | 0.0E0 |
| maize | 1.001E-4 | | 1.001E-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 | 2.209E-3 | 0.0E0 | 5.022E-4 | 5.022E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.199E-3 | 2.103E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.9E-3 | 1.526E-3 | 8.875E-4 | 1.745E-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) | 4.501E2 | 4.501E2 | 4.501E2 | 0.0E0 | 4.03E1 | 4.03E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 4.501E2 | | 4.501E2 | | 4.031E1 | |

| | |
|---|---|
| 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) | 1.693E-2 |
| Concentration in liver (mg/kg fw) | 1.693E-2 |
| Concentration in kidney (mg/kg fw) | 1.693E-2 |
| Concentration in milk (mg/kg fw) | 5.647E-3 |
| Concentration in butter (mg/kg fw) | 1.2E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.953E-6 |
| Daily contaminant intake via feed (mg/d) | 1.343E0 |
| Daily contaminant intake via water (mg/d) | 1.343E0 |
| 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) | 3.965E-5 | 1.037E-4 | 1.048E-4 | 4.205E-5 | 1.04E-5 | 8.664E-6 | 1.155E-5 | 2.888E-5 | 2.888E-5 | 2.888E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.109E-1 | 9.255E-2 | 7.432E-2 | 6.329E-2 | 4.918E-2 | 4.223E-2 | 4.844E-2 | 4.844E-2 | 4.844E-2 | 4.844E-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) | 3.954E-5 | 1.034E-4 | 1.046E-4 | 4.193E-5 | 1.037E-5 | 8.64E-6 | 1.152E-5 | 2.88E-5 | 2.88E-5 | 2.88E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.106E-1 | 9.23E-2 | 7.412E-2 | 6.312E-2 | 4.905E-2 | 4.211E-2 | 4.831E-2 | 4.831E-2 | 4.831E-2 | 4.831E-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) | 1.11E-1 | 9.266E-2 | 7.443E-2 | 6.333E-2 | 4.919E-2 | 4.224E-2 | 4.845E-2 | 4.847E-2 | 4.847E-2 | 4.847E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.106E-1 | 9.24E-2 | 7.422E-2 | 6.316E-2 | 4.906E-2 | 4.212E-2 | 4.832E-2 | 4.833E-2 | 4.833E-2 | 4.833E-2 |

**Naphthalene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 2.221E1 | 9.386E2 | 1.361E1 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 5.439E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 5.439E2 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.213E-5 | 5.327E-6 | 3.686E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 4.943E-6 | 2.171E-6 | 1.502E-6 |
| Resulting air concentration from volatilization (mg/m³) | 1.213E-5 | 5.327E-6 | 3.686E-6 |
| Final outdoor air concentration (mg/m³) | 1.213E-5 | 5.327E-6 | 3.686E-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) | 5.68E-4 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 2.743E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 3.12E-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) | 1.282E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 3.168E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.305E-4 |
| Indoor air concentration from volatilization (mg/m³) | 3.168E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.168E-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) | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| leek | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| tomato | 1.555E-5 | | 1.555E-5 | 0.0E0 | 0.0E0 |
| cucumber | 1.556E-5 | | 1.556E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.557E-5 | | 1.557E-5 | 0.0E0 | 0.0E0 |
| cabbage | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| lettuce | 2.043E-5 | | 2.043E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.918E-5 | | 1.918E-5 | 0.0E0 | 0.0E0 |
| endive | 1.696E-5 | | 1.696E-5 | 0.0E0 | 0.0E0 |
| spinach | 1.978E-5 | | 1.978E-5 | 0.0E0 | 0.0E0 |
| chicory | 1.781E-5 | | 1.781E-5 | 0.0E0 | 0.0E0 |
| celery | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| beans | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| peas | 1.558E-5 | | 1.558E-5 | 0.0E0 | 0.0E0 |
| grass | 1.52E-5 | | 1.52E-5 | 0.0E0 | 0.0E0 |
| maize | 1.558E-5 | | 1.558E-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 | 3.438E-4 | 0.0E0 | 7.816E-5 | 7.816E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.866E-4 | 3.273E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 2.957E-4 | 2.375E-4 | 1.382E-4 | 2.716E-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) | 3.644E1 | 3.644E1 | 3.644E1 | 0.0E0 | 3.263E0 | 3.263E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 3.644E1 | | 3.644E1 | | 3.263E0 | |

| | |
|---|---|
| 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) | 2.101E-3 |
| Concentration in liver (mg/kg fw) | 2.101E-3 |
| Concentration in kidney (mg/kg fw) | 2.101E-3 |
| Concentration in milk (mg/kg fw) | 6.898E-4 |
| Concentration in butter (mg/kg fw) | 1.466E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 3.04E-7 |
| Daily contaminant intake via feed (mg/d) | 1.088E-1 |
| Daily contaminant intake via water (mg/d) | 1.088E-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) | 2.109E-7 | 5.513E-7 | 5.576E-7 | 2.236E-7 | 5.529E-8 | 4.608E-8 | 6.143E-8 | 1.536E-7 | 1.536E-7 | 1.536E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.893E-4 | 4.918E-4 | 3.949E-4 | 3.363E-4 | 2.613E-4 | 2.244E-4 | 2.574E-4 | 2.574E-4 | 2.574E-4 | 2.574E-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) | 2.103E-7 | 5.498E-7 | 5.56E-7 | 2.23E-7 | 5.514E-8 | 4.595E-8 | 6.127E-8 | 1.532E-7 | 1.532E-7 | 1.532E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.877E-4 | 4.904E-4 | 3.938E-4 | 3.354E-4 | 2.606E-4 | 2.238E-4 | 2.567E-4 | 2.567E-4 | 2.567E-4 | 2.567E-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) | 5.895E-4 | 4.923E-4 | 3.955E-4 | 3.365E-4 | 2.614E-4 | 2.244E-4 | 2.574E-4 | 2.575E-4 | 2.575E-4 | 2.575E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.879E-4 | 4.91E-4 | 3.944E-4 | 3.356E-4 | 2.607E-4 | 2.238E-4 | 2.567E-4 | 2.568E-4 | 2.568E-4 | 2.568E-4 |

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

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

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy 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) | 2.082E-3 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.213E-3 |
| 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) | 2.951E-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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.161E3 | 3.4E1 | 3.319E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 4.495E-3 | 1.974E-3 | 1.366E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.761E-3 | 7.733E-4 | 5.351E-4 |
| Resulting air concentration from volatilization (mg/m³) | 4.495E-3 | 1.974E-3 | 1.366E-3 |
| Final outdoor air concentration (mg/m³) | 4.495E-3 | 1.974E-3 | 1.366E-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) | 1.385E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 6.689E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.156E1 |
| 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) | 4.57E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.167E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.625E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.167E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.167E-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) | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| leek | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| tomato | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| cucumber | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| cabbage | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| lettuce | 1.52E-6 | | 1.52E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.427E-6 | | 1.427E-6 | 0.0E0 | 0.0E0 |
| endive | 1.262E-6 | | 1.262E-6 | 0.0E0 | 0.0E0 |
| spinach | 1.472E-6 | | 1.472E-6 | 0.0E0 | 0.0E0 |
| chicory | 1.325E-6 | | 1.325E-6 | 0.0E0 | 0.0E0 |
| celery | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| beans | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| peas | 1.159E-6 | | 1.159E-6 | 0.0E0 | 0.0E0 |
| grass | 1.131E-6 | | 1.131E-6 | 0.0E0 | 0.0E0 |
| maize | 1.159E-6 | | 1.159E-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 | 2.558E-5 | 0.0E0 | 5.816E-6 | 5.816E-6 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.389E-5 | 2.435E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 2.2E-5 | 1.767E-5 | 1.028E-5 | 2.021E-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) | 6.23E-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) | 2.262E-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) | 7.814E-5 | 2.043E-4 | 2.066E-4 | 8.287E-5 | 2.049E-5 | 1.708E-5 | 2.277E-5 | 5.692E-5 | 5.692E-5 | 5.692E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.172E-1 | 1.812E-1 | 1.455E-1 | 1.239E-1 | 9.631E-2 | 8.269E-2 | 9.485E-2 | 9.485E-2 | 9.485E-2 | 9.485E-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) | 7.793E-5 | 2.038E-4 | 2.061E-4 | 8.265E-5 | 2.043E-5 | 1.703E-5 | 2.27E-5 | 5.676E-5 | 5.676E-5 | 5.676E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.166E-1 | 1.807E-1 | 1.451E-1 | 1.236E-1 | 9.605E-2 | 8.246E-2 | 9.459E-2 | 9.459E-2 | 9.459E-2 | 9.459E-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) | 2.173E-1 | 1.814E-1 | 1.457E-1 | 1.24E-1 | 9.633E-2 | 8.271E-2 | 9.487E-2 | 9.491E-2 | 9.491E-2 | 9.491E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.167E-1 | 1.809E-1 | 1.453E-1 | 1.237E-1 | 9.607E-2 | 8.248E-2 | 9.461E-2 | 9.465E-2 | 9.465E-2 | 9.465E-2 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 6.731E3 | 7.6E-1 | 3.227E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 4.37E-4 | 1.919E-4 | 1.328E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.712E-4 | 7.518E-5 | 5.202E-5 |
| Resulting air concentration from volatilization (mg/m³) | 4.37E-4 | 1.919E-4 | 1.328E-4 |
| Final outdoor air concentration (mg/m³) | 4.37E-4 | 1.919E-4 | 1.328E-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) | 1.347E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 6.503E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.124E0 |
| 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) | 4.442E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.135E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.497E-3 |
| Indoor air concentration from volatilization (mg/m³) | 1.135E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.135E-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) | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| leek | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| tomato | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| cucumber | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| cabbage | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| lettuce | 3.718E-8 | | 3.718E-8 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.489E-8 | | 3.489E-8 | 0.0E0 | 0.0E0 |
| endive | 3.086E-8 | | 3.086E-8 | 0.0E0 | 0.0E0 |
| spinach | 3.6E-8 | | 3.6E-8 | 0.0E0 | 0.0E0 |
| chicory | 3.24E-8 | | 3.24E-8 | 0.0E0 | 0.0E0 |
| celery | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| beans | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| peas | 2.835E-8 | | 2.835E-8 | 0.0E0 | 0.0E0 |
| grass | 2.766E-8 | | 2.766E-8 | 0.0E0 | 0.0E0 |
| maize | 2.835E-8 | | 2.835E-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 | 6.257E-7 | 0.0E0 | 1.422E-7 | 1.422E-7 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.397E-7 | 5.956E-7 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.381E-7 | 4.322E-7 | 2.514E-7 | 4.942E-7 | 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 | | 2.642E-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) | 5.532E-10 |
| 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) | 7.597E-6 | 1.986E-5 | 2.009E-5 | 8.057E-6 | 1.992E-6 | 1.66E-6 | 2.213E-6 | 5.534E-6 | 5.534E-6 | 5.534E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.111E-2 | 1.762E-2 | 1.415E-2 | 1.205E-2 | 9.363E-3 | 8.039E-3 | 9.221E-3 | 9.221E-3 | 9.221E-3 | 9.221E-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) | 7.576E-6 | 1.981E-5 | 2.003E-5 | 8.035E-6 | 1.987E-6 | 1.656E-6 | 2.207E-6 | 5.518E-6 | 5.518E-6 | 5.518E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.106E-2 | 1.757E-2 | 1.411E-2 | 1.202E-2 | 9.338E-3 | 8.017E-3 | 9.196E-3 | 9.196E-3 | 9.196E-3 | 9.196E-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) | 2.112E-2 | 1.764E-2 | 1.417E-2 | 1.206E-2 | 9.365E-3 | 8.041E-3 | 9.224E-3 | 9.227E-3 | 9.227E-3 | 9.227E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.106E-2 | 1.759E-2 | 1.413E-2 | 1.202E-2 | 9.339E-3 | 8.019E-3 | 9.198E-3 | 9.202E-3 | 9.202E-3 | 9.202E-3 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 3.195E3 | 2.5E-3 | 9.946E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.347E-5 | 5.916E-6 | 4.093E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 5.276E-6 | 2.317E-6 | 1.603E-6 |
| Resulting air concentration from volatilization (mg/m³) | 1.347E-5 | 5.916E-6 | 4.093E-6 |
| Final outdoor air concentration (mg/m³) | 1.347E-5 | 5.916E-6 | 4.093E-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) | 4.151E-4 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 2.004E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 3.464E-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) | 1.369E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 3.498E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.386E-4 |
| Indoor air concentration from volatilization (mg/m³) | 3.498E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.498E-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) | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| leek | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| tomato | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| cucumber | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| cabbage | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| lettuce | 1.344E-10 | | 1.344E-10 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.261E-10 | | 1.261E-10 | 0.0E0 | 0.0E0 |
| endive | 1.115E-10 | | 1.115E-10 | 0.0E0 | 0.0E0 |
| spinach | 1.301E-10 | | 1.301E-10 | 0.0E0 | 0.0E0 |
| chicory | 1.171E-10 | | 1.171E-10 | 0.0E0 | 0.0E0 |
| celery | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| beans | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| peas | 1.025E-10 | | 1.025E-10 | 0.0E0 | 0.0E0 |
| grass | 9.998E-11 | | 9.998E-11 | 0.0E0 | 0.0E0 |
| maize | 1.025E-10 | | 1.025E-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 | 2.262E-9 | 0.0E0 | 5.142E-10 | 5.142E-10 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.228E-9 | 2.153E-9 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.945E-9 | 1.562E-9 | 9.088E-10 | 1.786E-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 | | 9.706E-5 | | 8.692E-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) | 2.0E-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) | 2.342E-7 | 6.123E-7 | 6.192E-7 | 2.483E-7 | 6.14E-8 | 5.117E-8 | 6.822E-8 | 1.706E-7 | 1.706E-7 | 1.706E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 6.508E-4 | 5.431E-4 | 4.361E-4 | 3.714E-4 | 2.886E-4 | 2.478E-4 | 2.842E-4 | 2.842E-4 | 2.842E-4 | 2.842E-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) | 2.335E-7 | 6.106E-7 | 6.175E-7 | 2.477E-7 | 6.123E-8 | 5.103E-8 | 6.804E-8 | 1.701E-7 | 1.701E-7 | 1.701E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 6.49E-4 | 5.416E-4 | 4.349E-4 | 3.704E-4 | 2.878E-4 | 2.471E-4 | 2.834E-4 | 2.834E-4 | 2.834E-4 | 2.834E-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) | 6.51E-4 | 5.437E-4 | 4.367E-4 | 3.716E-4 | 2.887E-4 | 2.478E-4 | 2.843E-4 | 2.844E-4 | 2.844E-4 | 2.844E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 6.493E-4 | 5.422E-4 | 4.355E-4 | 3.706E-4 | 2.879E-4 | 2.472E-4 | 2.835E-4 | 2.836E-4 | 2.836E-4 | 2.836E-4 |

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

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

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy 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) | 2.082E-3 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.213E-3 |
| 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) | 2.951E-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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.206E1 | 1.893E2 | 7.721E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 1.097E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.097E2 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.046E-2 | 4.592E-3 | 3.178E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 4.096E-3 | 1.799E-3 | 1.245E-3 |
| Resulting air concentration from volatilization (mg/m³) | 1.046E-2 | 4.592E-3 | 3.178E-3 |
| Final outdoor air concentration (mg/m³) | 1.046E-2 | 4.592E-3 | 3.178E-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) | 3.222E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.556E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 2.689E1 |
| 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) | 1.063E1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 2.716E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.076E-1 |
| Indoor air concentration from volatilization (mg/m³) | 2.716E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 2.716E-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) | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| leek | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| tomato | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| cucumber | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| cabbage | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| lettuce | 6.136E-6 | | 6.136E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.758E-6 | | 5.758E-6 | 0.0E0 | 0.0E0 |
| endive | 5.092E-6 | | 5.092E-6 | 0.0E0 | 0.0E0 |
| spinach | 5.941E-6 | | 5.941E-6 | 0.0E0 | 0.0E0 |
| chicory | 5.347E-6 | | 5.347E-6 | 0.0E0 | 0.0E0 |
| celery | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| beans | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| peas | 4.679E-6 | | 4.679E-6 | 0.0E0 | 0.0E0 |
| grass | 4.565E-6 | | 4.565E-6 | 0.0E0 | 0.0E0 |
| maize | 4.679E-6 | | 4.679E-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 | 1.033E-4 | 0.0E0 | 2.348E-5 | 2.348E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.605E-5 | 9.83E-5 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 8.88E-5 | 7.132E-5 | 4.149E-5 | 8.156E-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) | 7.349E0 | 7.349E0 | 7.349E0 | 0.0E0 | 6.582E-1 | 6.582E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 7.349E0 | | 7.35E0 | | 6.582E-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) | 7.486E-4 |
| Concentration in liver (mg/kg fw) | 7.486E-4 |
| Concentration in kidney (mg/kg fw) | 7.486E-4 |
| Concentration in milk (mg/kg fw) | 2.407E-4 |
| Concentration in butter (mg/kg fw) | 5.115E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 9.129E-8 |
| Daily contaminant intake via feed (mg/d) | 2.194E-2 |
| Daily contaminant intake via water (mg/d) | 2.194E-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) | 1.818E-4 | 4.753E-4 | 4.807E-4 | 1.928E-4 | 4.767E-5 | 3.972E-5 | 5.296E-5 | 1.324E-4 | 1.324E-4 | 1.324E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.052E-1 | 4.216E-1 | 3.385E-1 | 2.883E-1 | 2.24E-1 | 1.924E-1 | 2.206E-1 | 2.206E-1 | 2.206E-1 | 2.206E-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) | 1.813E-4 | 4.74E-4 | 4.793E-4 | 1.923E-4 | 4.754E-5 | 3.961E-5 | 5.282E-5 | 1.32E-4 | 1.32E-4 | 1.32E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.038E-1 | 4.204E-1 | 3.376E-1 | 2.875E-1 | 2.234E-1 | 1.918E-1 | 2.2E-1 | 2.2E-1 | 2.2E-1 | 2.2E-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) | 5.054E-1 | 4.221E-1 | 3.39E-1 | 2.885E-1 | 2.241E-1 | 1.924E-1 | 2.207E-1 | 2.208E-1 | 2.208E-1 | 2.208E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.04E-1 | 4.209E-1 | 3.381E-1 | 2.877E-1 | 2.235E-1 | 1.919E-1 | 2.201E-1 | 2.202E-1 | 2.202E-1 | 2.202E-1 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.216E2 | 2.404E2 | 1.567E4 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 1.393E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.393E2 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 2.122E-2 | 9.32E-3 | 6.449E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 8.312E-3 | 3.651E-3 | 2.526E-3 |
| Resulting air concentration from volatilization (mg/m³) | 2.122E-2 | 9.32E-3 | 6.449E-3 |
| Final outdoor air concentration (mg/m³) | 2.122E-2 | 9.32E-3 | 6.449E-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) | 6.54E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 3.158E-1 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 5.457E1 |
| 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) | 2.157E1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 5.511E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 2.184E-1 |
| Indoor air concentration from volatilization (mg/m³) | 5.511E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 5.511E-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) | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| leek | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| tomato | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| cucumber | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| cabbage | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| lettuce | 9.355E-6 | | 9.355E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 8.779E-6 | | 8.779E-6 | 0.0E0 | 0.0E0 |
| endive | 7.764E-6 | | 7.764E-6 | 0.0E0 | 0.0E0 |
| spinach | 9.058E-6 | | 9.058E-6 | 0.0E0 | 0.0E0 |
| chicory | 8.152E-6 | | 8.152E-6 | 0.0E0 | 0.0E0 |
| celery | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| beans | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| peas | 7.133E-6 | | 7.133E-6 | 0.0E0 | 0.0E0 |
| grass | 6.959E-6 | | 6.959E-6 | 0.0E0 | 0.0E0 |
| maize | 7.133E-6 | | 7.133E-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 | 1.574E-4 | 0.0E0 | 3.579E-5 | 3.579E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 8.546E-5 | 1.499E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.354E-4 | 1.087E-4 | 6.325E-5 | 1.243E-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) | 9.331E0 | 9.331E0 | 9.331E0 | 0.0E0 | 8.356E-1 | 8.356E-1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 9.331E0 | | 9.332E0 | | 8.357E-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) | 1.177E-3 |
| Concentration in liver (mg/kg fw) | 1.177E-3 |
| Concentration in kidney (mg/kg fw) | 1.177E-3 |
| Concentration in milk (mg/kg fw) | 3.753E-4 |
| Concentration in butter (mg/kg fw) | 7.976E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.392E-7 |
| Daily contaminant intake via feed (mg/d) | 2.785E-2 |
| Daily contaminant intake via water (mg/d) | 2.785E-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) | 3.689E-4 | 9.646E-4 | 9.754E-4 | 3.912E-4 | 9.673E-5 | 8.061E-5 | 1.075E-4 | 2.687E-4 | 2.687E-4 | 2.687E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.025E0 | 8.556E-1 | 6.87E-1 | 5.851E-1 | 4.547E-1 | 3.904E-1 | 4.478E-1 | 4.478E-1 | 4.478E-1 | 4.478E-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) | 3.679E-4 | 9.619E-4 | 9.728E-4 | 3.902E-4 | 9.647E-5 | 8.039E-5 | 1.072E-4 | 2.68E-4 | 2.68E-4 | 2.68E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.022E0 | 8.532E-1 | 6.852E-1 | 5.835E-1 | 4.534E-1 | 3.893E-1 | 4.465E-1 | 4.465E-1 | 4.465E-1 | 4.465E-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) | 1.026E0 | 8.566E-1 | 6.88E-1 | 5.855E-1 | 4.548E-1 | 3.904E-1 | 4.479E-1 | 4.48E-1 | 4.48E-1 | 4.48E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.023E0 | 8.542E-1 | 6.861E-1 | 5.839E-1 | 4.535E-1 | 3.894E-1 | 4.467E-1 | 4.468E-1 | 4.468E-1 | 4.468E-1 |

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

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

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy 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) | 2.082E-3 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.213E-3 |
| 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) | 2.951E-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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy 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) | 2.082E-3 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.213E-3 |
| 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) | 2.951E-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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 2.19E2 | 8.635E3 | 3.377E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 5.003E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 5.003E3 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 4.578E-3 | 2.01E-3 | 1.391E-3 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.796E-3 | 7.886E-4 | 5.457E-4 |
| Resulting air concentration from volatilization (mg/m³) | 4.578E-3 | 2.01E-3 | 1.391E-3 |
| Final outdoor air concentration (mg/m³) | 4.578E-3 | 2.01E-3 | 1.391E-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) | 1.41E-1 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 6.807E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.177E1 |
| 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) | 4.659E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.189E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.716E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.189E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.189E-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) | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| leek | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| tomato | 2.898E-4 | | 2.898E-4 | 0.0E0 | 0.0E0 |
| cucumber | 2.898E-4 | | 2.898E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.898E-4 | | 2.898E-4 | 0.0E0 | 0.0E0 |
| cabbage | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| lettuce | 3.801E-4 | | 3.801E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.568E-4 | | 3.568E-4 | 0.0E0 | 0.0E0 |
| endive | 3.155E-4 | | 3.155E-4 | 0.0E0 | 0.0E0 |
| spinach | 3.681E-4 | | 3.681E-4 | 0.0E0 | 0.0E0 |
| chicory | 3.313E-4 | | 3.313E-4 | 0.0E0 | 0.0E0 |
| celery | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| beans | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| peas | 2.899E-4 | | 2.899E-4 | 0.0E0 | 0.0E0 |
| grass | 2.828E-4 | | 2.828E-4 | 0.0E0 | 0.0E0 |
| maize | 2.899E-4 | | 2.899E-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 | 6.397E-3 | 0.0E0 | 1.454E-3 | 1.454E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.473E-3 | 6.09E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.501E-3 | 4.419E-3 | 2.57E-3 | 5.053E-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) | 3.352E2 | 3.352E2 | 3.352E2 | 0.0E0 | 3.002E1 | 3.002E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 3.352E2 | | 3.352E2 | | 3.002E1 | |

| | |
|---|---|
| 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) | 3.033E-2 |
| Concentration in liver (mg/kg fw) | 3.033E-2 |
| Concentration in kidney (mg/kg fw) | 3.033E-2 |
| Concentration in milk (mg/kg fw) | 9.794E-3 |
| Concentration in butter (mg/kg fw) | 2.081E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.656E-6 |
| Daily contaminant intake via feed (mg/d) | 1.001E0 |
| Daily contaminant intake via water (mg/d) | 1.001E0 |
| 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) | 7.958E-5 | 2.081E-4 | 2.104E-4 | 8.44E-5 | 2.087E-5 | 1.739E-5 | 2.319E-5 | 5.796E-5 | 5.796E-5 | 5.796E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.212E-1 | 1.846E-1 | 1.482E-1 | 1.262E-1 | 9.807E-2 | 8.42E-2 | 9.659E-2 | 9.659E-2 | 9.659E-2 | 9.659E-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) | 7.936E-5 | 2.075E-4 | 2.098E-4 | 8.416E-5 | 2.081E-5 | 1.734E-5 | 2.312E-5 | 5.781E-5 | 5.781E-5 | 5.781E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.206E-1 | 1.84E-1 | 1.478E-1 | 1.259E-1 | 9.78E-2 | 8.397E-2 | 9.632E-2 | 9.632E-2 | 9.632E-2 | 9.632E-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) | 2.212E-1 | 1.848E-1 | 1.484E-1 | 1.263E-1 | 9.809E-2 | 8.422E-2 | 9.661E-2 | 9.664E-2 | 9.664E-2 | 9.664E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.206E-1 | 1.843E-1 | 1.48E-1 | 1.259E-1 | 9.782E-2 | 8.399E-2 | 9.634E-2 | 9.638E-2 | 9.638E-2 | 9.638E-2 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.929E2 | 4.8E3 | 5.472E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 2.781E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 2.781E3 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 7.431E-4 | 3.263E-4 | 2.258E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 2.925E-4 | 1.284E-4 | 8.887E-5 |
| Resulting air concentration from volatilization (mg/m³) | 7.431E-4 | 3.263E-4 | 2.258E-4 |
| Final outdoor air concentration (mg/m³) | 7.431E-4 | 3.263E-4 | 2.258E-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) | 2.284E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.103E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.91E0 |
| 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) | 7.586E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 1.929E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 7.678E-3 |
| Indoor air concentration from volatilization (mg/m³) | 1.929E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.929E-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) | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| leek | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| tomato | 1.949E-4 | | 1.949E-4 | 0.0E0 | 0.0E0 |
| cucumber | 1.95E-4 | | 1.95E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.951E-4 | | 1.951E-4 | 0.0E0 | 0.0E0 |
| cabbage | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| lettuce | 2.56E-4 | | 2.56E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 2.402E-4 | | 2.402E-4 | 0.0E0 | 0.0E0 |
| endive | 2.124E-4 | | 2.124E-4 | 0.0E0 | 0.0E0 |
| spinach | 2.479E-4 | | 2.479E-4 | 0.0E0 | 0.0E0 |
| chicory | 2.231E-4 | | 2.231E-4 | 0.0E0 | 0.0E0 |
| celery | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| beans | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| peas | 1.952E-4 | | 1.952E-4 | 0.0E0 | 0.0E0 |
| grass | 1.904E-4 | | 1.904E-4 | 0.0E0 | 0.0E0 |
| maize | 1.952E-4 | | 1.952E-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 | 4.307E-3 | 0.0E0 | 9.792E-4 | 9.792E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 2.338E-3 | 4.1E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 3.704E-3 | 2.975E-3 | 1.731E-3 | 3.402E-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) | 1.863E2 | 1.863E2 | 1.863E2 | 0.0E0 | 1.669E1 | 1.669E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.864E2 | | 1.864E2 | | 1.669E1 | |

| | |
|---|---|
| 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) | 1.81E-2 |
| Concentration in liver (mg/kg fw) | 1.81E-2 |
| Concentration in kidney (mg/kg fw) | 1.81E-2 |
| Concentration in milk (mg/kg fw) | 5.831E-3 |
| Concentration in butter (mg/kg fw) | 1.239E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 3.808E-6 |
| Daily contaminant intake via feed (mg/d) | 5.563E-1 |
| Daily contaminant intake via water (mg/d) | 5.563E-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) | 1.292E-5 | 3.378E-5 | 3.416E-5 | 1.37E-5 | 3.387E-6 | 2.823E-6 | 3.764E-6 | 9.409E-6 | 9.409E-6 | 9.409E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 3.589E-2 | 2.995E-2 | 2.405E-2 | 2.048E-2 | 1.592E-2 | 1.367E-2 | 1.568E-2 | 1.568E-2 | 1.568E-2 | 1.568E-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) | 1.288E-5 | 3.368E-5 | 3.406E-5 | 1.366E-5 | 3.378E-6 | 2.815E-6 | 3.753E-6 | 9.383E-6 | 9.383E-6 | 9.383E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 3.579E-2 | 2.987E-2 | 2.399E-2 | 2.043E-2 | 1.587E-2 | 1.363E-2 | 1.563E-2 | 1.563E-2 | 1.563E-2 | 1.563E-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) | 3.591E-2 | 2.999E-2 | 2.409E-2 | 2.05E-2 | 1.592E-2 | 1.367E-2 | 1.568E-2 | 1.569E-2 | 1.569E-2 | 1.569E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 3.581E-2 | 2.99E-2 | 2.402E-2 | 2.044E-2 | 1.588E-2 | 1.363E-2 | 1.564E-2 | 1.564E-2 | 1.564E-2 | 1.564E-2 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.592E3 | 5.8E3 | 2.501E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 3.361E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.361E3 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 3.412E-4 | 1.498E-4 | 1.037E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 1.353E-4 | 5.941E-5 | 4.111E-5 |
| Resulting air concentration from volatilization (mg/m³) | 3.412E-4 | 1.498E-4 | 1.037E-4 |
| Final outdoor air concentration (mg/m³) | 3.412E-4 | 1.498E-4 | 1.037E-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) | 1.044E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 5.041E-3 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 8.768E-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) | 3.507E-1 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 8.855E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 3.549E-3 |
| Indoor air concentration from volatilization (mg/m³) | 8.855E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 8.855E-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) | 2.795E-4 | | 2.795E-4 | 0.0E0 | 0.0E0 |
| leek | 2.795E-4 | | 2.795E-4 | 0.0E0 | 0.0E0 |
| tomato | 2.783E-4 | | 2.783E-4 | 0.0E0 | 0.0E0 |
| cucumber | 2.785E-4 | | 2.785E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.791E-4 | | 2.791E-4 | 0.0E0 | 0.0E0 |
| cabbage | 2.794E-4 | | 2.794E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.795E-4 | | 2.795E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.796E-4 | | 2.796E-4 | 0.0E0 | 0.0E0 |
| lettuce | 3.665E-4 | | 3.665E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.441E-4 | | 3.441E-4 | 0.0E0 | 0.0E0 |
| endive | 3.042E-4 | | 3.042E-4 | 0.0E0 | 0.0E0 |
| spinach | 3.55E-4 | | 3.55E-4 | 0.0E0 | 0.0E0 |
| chicory | 3.195E-4 | | 3.195E-4 | 0.0E0 | 0.0E0 |
| celery | 2.794E-4 | | 2.794E-4 | 0.0E0 | 0.0E0 |
| beans | 2.795E-4 | | 2.795E-4 | 0.0E0 | 0.0E0 |
| peas | 2.796E-4 | | 2.796E-4 | 0.0E0 | 0.0E0 |
| grass | 2.726E-4 | | 2.726E-4 | 0.0E0 | 0.0E0 |
| maize | 2.795E-4 | | 2.795E-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 | 6.167E-3 | 0.0E0 | 1.402E-3 | 1.402E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.348E-3 | 5.871E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.304E-3 | 4.26E-3 | 2.478E-3 | 4.872E-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) | 2.252E2 | 2.252E2 | 2.252E2 | 0.0E0 | 2.017E1 | 2.017E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.252E2 | | 2.252E2 | | 2.017E1 | |

| | |
|---|---|
| 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) | 2.349E-2 |
| Concentration in liver (mg/kg fw) | 2.349E-2 |
| Concentration in kidney (mg/kg fw) | 2.349E-2 |
| Concentration in milk (mg/kg fw) | 7.545E-3 |
| Concentration in butter (mg/kg fw) | 1.603E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.452E-6 |
| Daily contaminant intake via feed (mg/d) | 6.722E-1 |
| Daily contaminant intake via water (mg/d) | 6.722E-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) | 5.931E-6 | 1.551E-5 | 1.568E-5 | 6.29E-6 | 1.555E-6 | 1.296E-6 | 1.728E-6 | 4.32E-6 | 4.32E-6 | 4.32E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.647E-2 | 1.375E-2 | 1.104E-2 | 9.401E-3 | 7.305E-3 | 6.272E-3 | 7.194E-3 | 7.194E-3 | 7.194E-3 | 7.194E-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) | 5.915E-6 | 1.547E-5 | 1.564E-5 | 6.273E-6 | 1.551E-6 | 1.293E-6 | 1.723E-6 | 4.308E-6 | 4.308E-6 | 4.308E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.643E-2 | 1.371E-2 | 1.101E-2 | 9.375E-3 | 7.285E-3 | 6.255E-3 | 7.175E-3 | 7.175E-3 | 7.175E-3 | 7.175E-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) | 1.648E-2 | 1.376E-2 | 1.105E-2 | 9.407E-3 | 7.307E-3 | 6.273E-3 | 7.196E-3 | 7.199E-3 | 7.199E-3 | 7.199E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.643E-2 | 1.372E-2 | 1.102E-2 | 9.381E-3 | 7.287E-3 | 6.256E-3 | 7.176E-3 | 7.179E-3 | 7.179E-3 | 7.179E-3 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 9.715E2 | 6.5E2 | 6.867E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 9.572E-6 | 4.204E-6 | 2.909E-6 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 3.92E-6 | 1.722E-6 | 1.191E-6 |
| Resulting air concentration from volatilization (mg/m³) | 9.572E-6 | 4.204E-6 | 2.909E-6 |
| Final outdoor air concentration (mg/m³) | 9.572E-6 | 4.204E-6 | 2.909E-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) | 2.866E-4 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 1.384E-4 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 2.455E-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) | 1.013E-2 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 2.479E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.024E-4 |
| Indoor air concentration from volatilization (mg/m³) | 2.479E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 2.479E-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) | 4.136E-5 | | 4.136E-5 | 0.0E0 | 0.0E0 |
| leek | 4.136E-5 | | 4.136E-5 | 0.0E0 | 0.0E0 |
| tomato | 4.11E-5 | | 4.11E-5 | 0.0E0 | 0.0E0 |
| cucumber | 4.114E-5 | | 4.114E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.127E-5 | | 4.127E-5 | 0.0E0 | 0.0E0 |
| cabbage | 4.134E-5 | | 4.134E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.137E-5 | | 4.137E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.137E-5 | | 4.137E-5 | 0.0E0 | 0.0E0 |
| lettuce | 5.422E-5 | | 5.422E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.092E-5 | | 5.092E-5 | 0.0E0 | 0.0E0 |
| endive | 4.5E-5 | | 4.5E-5 | 0.0E0 | 0.0E0 |
| spinach | 5.253E-5 | | 5.253E-5 | 0.0E0 | 0.0E0 |
| chicory | 4.728E-5 | | 4.728E-5 | 0.0E0 | 0.0E0 |
| celery | 4.134E-5 | | 4.134E-5 | 0.0E0 | 0.0E0 |
| beans | 4.137E-5 | | 4.137E-5 | 0.0E0 | 0.0E0 |
| peas | 4.138E-5 | | 4.138E-5 | 0.0E0 | 0.0E0 |
| grass | 4.033E-5 | | 4.033E-5 | 0.0E0 | 0.0E0 |
| maize | 4.135E-5 | | 4.135E-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 | 9.125E-4 | 0.0E0 | 2.074E-4 | 2.074E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 4.953E-4 | 8.686E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 7.848E-4 | 6.304E-4 | 3.667E-4 | 7.208E-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) | 2.524E1 | 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) | 9.479E-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) | 8.067E-7 |
| 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) | 1.664E-7 | 4.351E-7 | 4.4E-7 | 1.765E-7 | 4.363E-8 | 3.636E-8 | 4.848E-8 | 1.212E-7 | 1.212E-7 | 1.212E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 4.612E-4 | 3.849E-4 | 3.09E-4 | 2.632E-4 | 2.045E-4 | 1.756E-4 | 2.014E-4 | 2.014E-4 | 2.014E-4 | 2.014E-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) | 1.659E-7 | 4.339E-7 | 4.388E-7 | 1.76E-7 | 4.351E-8 | 3.626E-8 | 4.835E-8 | 1.209E-7 | 1.209E-7 | 1.209E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 4.599E-4 | 3.838E-4 | 3.082E-4 | 2.625E-4 | 2.039E-4 | 1.751E-4 | 2.009E-4 | 2.009E-4 | 2.009E-4 | 2.009E-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) | 4.613E-4 | 3.853E-4 | 3.095E-4 | 2.634E-4 | 2.046E-4 | 1.756E-4 | 2.015E-4 | 2.015E-4 | 2.015E-4 | 2.015E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 4.601E-4 | 3.842E-4 | 3.086E-4 | 2.626E-4 | 2.04E-4 | 1.751E-4 | 2.009E-4 | 2.01E-4 | 2.01E-4 | 2.01E-4 |

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

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

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy 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) | 2.082E-3 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 1.213E-3 |
| 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) | 2.951E-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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 9.411E0 | 8.779E4 | 1.285E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard sandy loam | 0.0E0 |
| Standard sandy loam | 5.087E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 5.087E4 | 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 sandy loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard sandy loam | 1.651E-3 | 7.249E-4 | 5.016E-4 |

| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 6.686E-4 | 2.936E-4 | 2.032E-4 |
| Resulting air concentration from volatilization (mg/m³) | 1.651E-3 | 7.249E-4 | 5.016E-4 |
| Final outdoor air concentration (mg/m³) | 1.651E-3 | 7.249E-4 | 5.016E-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) | 5.365E-2 |
| Contaminant flux from groundwater to indoor air through basement floor (mg/m²d) | 2.591E-2 |
| Air flux from soil to indoor air through basement floor (m³/m²d) | 4.174E-5 |
| Air flux from groundwater to indoor air through basement floor (m³/m²d) | 3.478E-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) | 4.238E0 |
| 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) | 1.73E0 |
| Air flux from soil to indoor air through basement walls (direct) (m³/m²d) | 0.0E0 |
| Air flux from soil to indoor air through basement walls (indirect) (m³/m²d) | 3.437E-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) | 2.951E-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) | 4.283E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.751E-2 |
| Indoor air concentration from volatilization (mg/m³) | 4.283E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.283E-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) | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| leek | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| tomato | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| cucumber | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| cabbage | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| lettuce | 1.155E-5 | | 1.155E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.084E-5 | | 1.084E-5 | 0.0E0 | 0.0E0 |
| endive | 9.582E-6 | | 9.582E-6 | 0.0E0 | 0.0E0 |
| spinach | 1.118E-5 | | 1.118E-5 | 0.0E0 | 0.0E0 |
| chicory | 1.006E-5 | | 1.006E-5 | 0.0E0 | 0.0E0 |
| celery | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| beans | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| peas | 8.804E-6 | | 8.804E-6 | 0.0E0 | 0.0E0 |
| grass | 8.589E-6 | | 8.589E-6 | 0.0E0 | 0.0E0 |
| maize | 8.804E-6 | | 8.804E-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 | 1.943E-4 | 0.0E0 | 4.417E-5 | 4.417E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.055E-4 | 1.85E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.671E-4 | 1.342E-4 | 7.807E-5 | 1.535E-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) | 3.408E3 | 3.408E3 | 3.408E3 | 0.0E0 | 3.052E2 | 3.052E2 |
| TOTAL INTAKE (summer + winter) (mg/d) | 3.408E3 | | 3.408E3 | | 3.052E2 | |

| | |
|---|---|
| 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) | 1.016E-3 |
| Concentration in liver (mg/kg fw) | 1.016E-3 |
| Concentration in kidney (mg/kg fw) | 1.016E-3 |
| Concentration in milk (mg/kg fw) | 4.05E-4 |
| Concentration in butter (mg/kg fw) | 8.605E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.718E-7 |
| Daily contaminant intake via feed (mg/d) | 1.017E1 |
| Daily contaminant intake via water (mg/d) | 1.017E1 |
| 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) | 2.87E-5 | 7.503E-5 | 7.588E-5 | 3.043E-5 | 7.524E-6 | 6.27E-6 | 8.36E-6 | 2.09E-5 | 2.09E-5 | 2.09E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 7.968E-2 | 6.649E-2 | 5.339E-2 | 4.547E-2 | 3.533E-2 | 3.034E-2 | 3.48E-2 | 3.48E-2 | 3.48E-2 | 3.48E-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) | 2.862E-5 | 7.482E-5 | 7.567E-5 | 3.035E-5 | 7.504E-6 | 6.253E-6 | 8.337E-6 | 2.084E-5 | 2.084E-5 | 2.084E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 7.946E-2 | 6.631E-2 | 5.325E-2 | 4.534E-2 | 3.524E-2 | 3.025E-2 | 3.47E-2 | 3.47E-2 | 3.47E-2 | 3.47E-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) | 7.971E-2 | 6.657E-2 | 5.347E-2 | 4.55E-2 | 3.534E-2 | 3.034E-2 | 3.481E-2 | 3.482E-2 | 3.482E-2 | 3.482E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 7.949E-2 | 6.638E-2 | 5.332E-2 | 4.538E-2 | 3.524E-2 | 3.026E-2 | 3.471E-2 | 3.472E-2 | 3.472E-2 | 3.472E-2 |