# ADMINISTRATIVE INFORMATION

Name : CSM_A_3zk

Label : YV

Application type : II Site specific risk assessment

Region Wallonia

Description : RI1

## RESULTS

**Benzene**

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 9.968E-1 | 6.899E-1 | 4.635E-1 | |
| RI overall | 9.968E-1 | 6.899E-1 | 4.635E-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 | 1.794E-5 | 1.242E-5 | 8.343E-6 | 9.552E-6 |
| ExCR overall | 1.794E-5 | 1.242E-5 | 8.343E-6 | 9.552E-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 |
|---|---|---|---|
| | | 3.42E-1 | |

| 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)* | *2.99E-3* | *100.00* | *2.07E-3* | *100.00* | *1.39E-3* | *100.00* |
| Exposure concentration outdoor inhalation | 1.33E-4 | 4.44 | 1.19E-4 | 5.75 | 3.44E-5 | 2.47 |
| Exposure concentration indoor inhalation | 2.86E-3 | 95.56 | 1.95E-3 | 94.25 | 1.36E-3 | 97.53 |
| Exposure concentration inhalation while | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

| |
|---|
| showering |

**Local versus background exposure**

| | 1 -< 6 yr | % | 6 -< 15 yr | % | 15 - 71 yr | % |
|---|---|---|---|---|---|---|
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 2.99E-3 | 100.00 | 2.07E-3 | 100.00 | 1.39E-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 | 7.053E-1 | 4.882E-1 | 3.28E-1 | |
| RI overall | 7.053E-1 | 4.882E-1 | 3.28E-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)* | *1.83E-1* | *100.00* | *1.27E-1* | *100.00* | *8.53E-2* | *100.00* |
| Exposure concentration outdoor inhalation | 8.15E-3 | 4.44 | 7.3E-3 | 5.75 | 2.11E-3 | 2.47 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration indoor inhalation | 1.75E-1 | 95.56 | 1.2E-1 | 94.25 | 8.32E-2 | 97.53 |
| 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 | 1.83E-1 | 100.00 | 1.27E-1 | 100.00 | 8.53E-2 | 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 | 2.419E-2 | 1.675E-2 | 1.125E-2 |
| RI overall | 2.419E-2 | 1.675E-2 | 1.125E-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 | 1.815E-5 | 1.256E-5 | 8.438E-6 | 9.661E-6 |
| ExCR overall | 1.815E-5 | 1.256E-5 | 8.438E-6 | 9.661E-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)* | *7.26E-3* | *100.00* | *5.02E-3* | *100.00* | *3.38E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.23E-4 | 4.44 | 2.89E-4 | 5.75 | 8.35E-5 | 2.47 |
| Exposure concentration indoor inhalation | 6.94E-3 | 95.56 | 4.73E-3 | 94.25 | 3.29E-3 | 97.53 |
| 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 | 7.26E-3 | 100.00 | 5.02E-3 | 100.00 | 3.38E-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 | 5.413E-1 | 3.747E-1 | 2.517E-1 | |
| RI overall | 5.413E-1 | 3.747E-1 | 2.517E-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)* | *5.41E-2* | *100.00* | *3.75E-2* | *100.00* | *2.52E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.41E-3 | 4.44 | 2.16E-3 | 5.75 | 6.22E-4 | 2.47 |
| Exposure concentration indoor inhalation | 5.17E-2 | 95.56 | 3.53E-2 | 94.25 | 2.45E-2 | 97.53 |
| 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 | 5.41E-2 | 100.00 | 3.75E-2 | 100.00 | 2.52E-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 | 1.824E-5 | 1.262E-5 | 8.48E-6 | 9.709E-6 |
| ExCR overall | 1.824E-5 | 1.262E-5 | 8.48E-6 | 9.709E-6 |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

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

**Concentration indexes**

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

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

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

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

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *5.36E-4* | *100.00* | *3.71E-4* | *100.00* | *2.49E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.38E-5 | 4.44 | 2.14E-5 | 5.75 | 6.17E-6 | 2.47 |
| Exposure concentration indoor inhalation | 5.13E-4 | 95.56 | 3.5E-4 | 94.25 | 2.43E-4 | 97.53 |
| Exposure concentration inhalation while showering | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |

**Local versus background exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| Oral (mg/kg.d) | | | | | | |
| Background | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Local | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Inhalation (mg/m³) | | | | | | |
| Background exposure concentration | 0.0E0 | 0.00 | 0.0E0 | 0.00 | 0.0E0 | 0.00 |
| Local exposure concentration | 5.36E-4 | 100.00 | 3.71E-4 | 100.00 | 2.49E-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 | 7.439E-3 | 5.149E-3 | 3.459E-3 | |
| RI overall | 7.439E-3 | 5.149E-3 | 3.459E-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)* | *7.44E-3* | *100.00* | *5.15E-3* | *100.00* | *3.46E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.31E-4 | 4.44 | 2.96E-4 | 5.75 | 8.55E-5 | 2.47 |
| Exposure concentration indoor inhalation | 7.11E-3 | 95.56 | 4.85E-3 | 94.25 | 3.37E-3 | 97.53 |
| 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 | 7.44E-3 | 100.00 | 5.15E-3 | 100.00 | 3.46E-3 | 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 | 7.232E-4 | 5.006E-4 | 3.363E-4 | |
| RI overall | 7.232E-4 | 5.006E-4 | 3.363E-4 | |
| Threshold effect, local | Age group 1 | Age group 2 | Age group 3 | |
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_inhal | | | | |
| Non-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_dermal | | | | |
| ExCR_inhal | | | | |
| ExCR overall | | | | |
| Non-threshold, local | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |
| ExCR_inhal | | | | |
| Pseudo-threshold, systemic | Age group 1 | Age group 2 | Age group 3 | Lifelong risk |
| | 1 to 6y | 6 to 15y | 15 to 70y | 1 to 70y |

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

**Concentration indexes**

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

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

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

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

**Exposure**

| | 1 -< 6 yr | | 6 -< 15 yr | | 15 - 71 yr | |
|---|---|---|---|---|---|---|
| | | % | | % | | % |
| *Oral (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Ingestion of soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via vegetables | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via meat and dairy products | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via eggs | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Intake via water | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Dermal (mg/kg.d)* | *0.0E0* | *0.00* | *0.0E0* | *0.00* | *0.0E0* | *0.00* |
| Dermal uptake through soil and dust | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through bathing | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| Dermal uptake through showering | 0.0E0 | | 0.0E0 | | 0.0E0 | |
| *Inhalation (mg/m³)* | *7.23E-4* | *100.00* | *5.01E-4* | *100.00* | *3.36E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 3.21E-5 | 4.44 | 2.88E-5 | 5.75 | 8.32E-6 | 2.47 |
| Exposure concentration indoor inhalation | 6.91E-4 | 95.56 | 4.72E-4 | 94.25 | 3.28E-4 | 97.53 |
| 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 | 7.23E-4 | 100.00 | 5.01E-4 | 100.00 | 3.36E-4 | 100.00 |

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

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 3.185E-6 | 2.204E-6 | 1.481E-6 | |
| RI overall | 3.185E-6 | 2.204E-6 | 1.481E-6 | |
| 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)* | *2.23E-5* | *100.00* | *1.54E-5* | *100.00* | *1.04E-5* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 9.91E-7 | 4.44 | 8.88E-7 | 5.75 | 2.56E-7 | 2.47 |
| Exposure concentration indoor inhalation | 2.13E-5 | 95.56 | 1.45E-5 | 94.25 | 1.01E-5 | 97.53 |
| 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 | 2.23E-5 | 100.00 | 1.54E-5 | 100.00 | 1.04E-5 | 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 | 2.683E-2 | 1.857E-2 | 1.247E-2 | |
| RI overall | 2.683E-2 | 1.857E-2 | 1.247E-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)* | *4.94E-1* | *100.00* | *3.42E-1* | *100.00* | *2.3E-1* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.19E-2 | 4.44 | 1.97E-2 | 5.75 | 5.68E-3 | 2.47 |
| Exposure concentration indoor inhalation | 4.72E-1 | 95.56 | 3.22E-1 | 94.25 | 2.24E-1 | 97.53 |
| 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 | 4.94E-1 | 100.00 | 3.42E-1 | 100.00 | 2.3E-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 | 6.283E-2 | 4.349E-2 | 2.921E-2 | |
| RI overall | 6.283E-2 | 4.349E-2 | 2.921E-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)* | *6.28E-2* | *100.00* | *4.35E-2* | *100.00* | *2.92E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.79E-3 | 4.44 | 2.5E-3 | 5.75 | 7.22E-4 | 2.47 |
| Exposure concentration indoor inhalation | 6.0E-2 | 95.56 | 4.1E-2 | 94.25 | 2.85E-2 | 97.53 |
| 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 | 6.28E-2 | 100.00 | 4.35E-2 | 100.00 | 2.92E-2 | 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 | 2.854E-1 | 1.975E-1 | 1.327E-1 | |
| RI overall | 2.854E-1 | 1.975E-1 | 1.327E-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)* | *5.71E-2* | *100.00* | *3.95E-2* | *100.00* | *2.65E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.54E-3 | 4.44 | 2.27E-3 | 5.75 | 6.56E-4 | 2.47 |
| Exposure concentration indoor inhalation | 5.45E-2 | 95.56 | 3.72E-2 | 94.25 | 2.59E-2 | 97.53 |
| 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 | 5.71E-2 | 100.00 | 3.95E-2 | 100.00 | 2.65E-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 | 3.211E-2 | 2.222E-2 | 1.493E-2 | |
| RI overall | 3.211E-2 | 2.222E-2 | 1.493E-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)* | *6.42E-3* | *100.00* | *4.44E-3* | *100.00* | *2.99E-3* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.85E-4 | 4.44 | 2.56E-4 | 5.75 | 7.38E-5 | 2.47 |
| Exposure concentration indoor inhalation | 6.14E-3 | 95.56 | 4.19E-3 | 94.25 | 2.91E-3 | 97.53 |
| 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 | 6.42E-3 | 100.00 | 4.44E-3 | 100.00 | 2.99E-3 | 100.00 |

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

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 2.842E-3 | 1.967E-3 | 1.321E-3 | |
| RI overall | 2.842E-3 | 1.967E-3 | 1.321E-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)* | *5.68E-4* | *100.00* | *3.93E-4* | *100.00* | *2.64E-4* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.53E-5 | 4.44 | 2.26E-5 | 5.75 | 6.53E-6 | 2.47 |
| Exposure concentration indoor inhalation | 5.43E-4 | 95.56 | 3.71E-4 | 94.25 | 2.58E-4 | 97.53 |
| 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 | 5.68E-4 | 100.00 | 3.93E-4 | 100.00 | 2.64E-4 | 100.00 |

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

**Risk indexes**

| Threshold effect, systemic | Age group 1 | Age group 2 | Age group 3 | |
|---|---|---|---|---|
| | 1 to 6y | 6 to 15y | 15 to 70y | |
| RI_dermal | 0.0E0 | 0.0E0 | 0.0E0 | |
| RI_inhal | 1.548E-4 | 1.072E-4 | 7.2E-5 | |
| RI overall | 1.548E-4 | 1.072E-4 | 7.2E-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)* | *1.63E-5* | *100.00* | *1.13E-5* | *100.00* | *7.56E-6* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 7.23E-7 | 4.44 | 6.48E-7 | 5.75 | 1.87E-7 | 2.47 |
| Exposure concentration indoor inhalation | 1.55E-5 | 95.56 | 1.06E-5 | 94.25 | 7.37E-6 | 97.53 |
| 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 | 1.63E-5 | 100.00 | 1.13E-5 | 100.00 | 7.56E-6 | 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 | 2.204E-2 | 1.525E-2 | 1.025E-2 | |
| RI overall | 2.204E-2 | 1.525E-2 | 1.025E-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 | 1.719E-5 | 1.19E-5 | 7.994E-6 | 9.153E-6 |
| ExCR overall | 1.719E-5 | 1.19E-5 | 7.994E-6 | 9.153E-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)* | *6.61E-2* | *100.00* | *4.58E-2* | *100.00* | *3.07E-2* | *100.00* |

| | | | | | | |
|---|---|---|---|---|---|---|
| Exposure concentration outdoor inhalation | 2.94E-3 | 4.44 | 2.63E-3 | 5.75 | 7.6E-4 | 2.47 |
| Exposure concentration indoor inhalation | 6.32E-2 | 95.56 | 4.31E-2 | 94.25 | 3.0E-2 | 97.53 |
| 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 | 6.61E-2 | 100.00 | 4.58E-2 | 100.00 | 3.07E-2 | 100.00 |

# CONCEPTUAL SITE MODEL

## Scenario

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

Exposure pathways

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

Justification test TSW

**Soil characteristics**

**Soil**

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

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

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

**Concentrations**

**Benzene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.4E1** | | **5.49E3** |

Pathway-specific concentrations

Concentrations in transfer media

**Toluene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **3.0E3** | | **3.031E5** |

Pathway-specific concentrations

Concentrations in transfer media

**Ethylbenzene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **6.3E1** | | **1.122E4** |

Pathway-specific concentrations

Concentrations in transfer media

**m-Xylene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **4.0E3** | | **9.619E4** |

Pathway-specific concentrations

Concentrations in transfer media

**Naphthalene**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **5.4E2** | | **1.42E4** |

Pathway-specific concentrations

Concentrations in transfer media

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

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

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **3.024E4** | | **1.97E1** |

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **1.746E5** | | **4.404E-1** |

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **8.28E4** | | **1.449E-3** |

Pathway-specific concentrations

Concentrations in transfer media

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

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

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | 0.0E0 | | 0.0E0 |
| Standard loam | 2.0 | 3.6E2 | | 3.129E3 |

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | 0.0E0 | | 0.0E0 |
| Standard loam | 2.0 | 3.24E3 | | 2.492E2 |

Pathway-specific concentrations

Concentrations in transfer media

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

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

Pathway-specific concentrations

Concentrations in transfer media

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

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

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **5.76E3** | | **3.766E4** |

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **5.04E3** | | **1.449E4** |

Pathway-specific concentrations

Concentrations in transfer media

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

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **4.14E4** | | **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 loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **2.52E4** | | **3.766E2** |

Pathway-specific concentrations

Concentrations in transfer media

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

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

Pathway-specific concentrations

Concentrations in transfer media

**Methyl-t-butylether**

| Name : | Top of layer (m) | Outdoor profile (mg/kg dm) | Indoor profile (mg/kg dm) | Calculated groundwater concentration from leaching |
|---|---|---|---|---|
| Standard loam | 0.0 | **0.0E0** | | **0.0E0** |
| Standard loam | 2.0 | **8.0E2** | | **1.208E6** |

Pathway-specific concentrations

Concentrations in transfer media

| Groundwater | | Justification |
|---|---|---|
| Depth of groundwater table (m-mv) | 3.000 | |
| 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 | Slab-on-grade | |
| State of the floor | Gaps and holes | |
| Volume of indoor space (m³) | 1.5E2 | |
| Depth of concrete slab below soil surface (m) | 1.0E-1 | |
| Thickness of the slab (m) | 1.0E-1 | |
| Surface area of the slab (m²) | 5.0E1 | |
| Basic air exchange rate for the indoor space (1/d) | 2.4E1 | |
| Fraction of openings in the slab (m²/m²) | 1.0E-5 | |
| Number of openings per floor area (1/m²) | 2.0E-1 | |
| Pressure difference between indoor space and soil (Pa) | 1.0E0 | |
| Buffer space | 1.0E-1 | |

**Indoor dust parameters**

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

**Bathroom parameters**

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

**Plant**

Time pattern on-site

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

Justification

Time patterns bathing and showering

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

Justification

**Activity-based inhalation weight factors**

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

Justification

**Exposure via food**

Animal product consumption

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

Justification

Vegetable consumption

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

Justification

Local animal products fraction

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

Justification

Local vegetable products fraction

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

Justification

**Chemicals**

**Name :** **Benzene**

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects YES

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

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

**Name :** **Toluene**

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

**Name :** **Ethylbenzene**

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects YES

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

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

**Name :** **Naphthalene**

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects NO

Local effects NO

Non-threshold effects

Systemic effects YES

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

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

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

Local effects NO

Non-threshold effects

Systemic effects YES

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

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects NO

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

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

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

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

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

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

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

Justification

**Animal product transfer properties**

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

**Background levels for animal transfer**

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

**Background values for human exposure**

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

Justification

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

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

**Exposure parameters**

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

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

**Toxicological criteria**

Threshold effects

Systemic effects YES

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

Local effects NO

Non-threshold effects

Systemic effects YES

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

Local effects NO

Pseudo-threshold effects

Systemic effects NO

Local effects NO

Concentration limits

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

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

## DETAIL RESULTS

**Benzene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.106E1 | 9.475E3 | 1.551E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 5.49E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 5.49E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.894E-3 | 1.71E-3 | 1.183E-3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |

| | | | |
|---|---|---|---|
| Air concentration < volatilization from groundwater layer (mg/m³) | 9.206E-4 | 4.043E-4 | 2.798E-4 |
| Resulting air concentration from volatilization (mg/m³) | 3.894E-3 | 1.71E-3 | 1.183E-3 |
| Final outdoor air concentration (mg/m³) | 3.894E-3 | 1.71E-3 | 1.183E-3 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 8.162E-2 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 3.099E-2 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.134E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 4.304E-4 |
| Indoor air concentration from volatilization (mg/m³) | 1.71E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.71E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| leek | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| tomato | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| cucumber | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| cabbage | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| lettuce | 2.101E-5 | | 2.101E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.972E-5 | | 1.972E-5 | 0.0E0 | 0.0E0 |
| endive | 1.744E-5 | | 1.744E-5 | 0.0E0 | 0.0E0 |
| spinach | 2.034E-5 | | 2.034E-5 | 0.0E0 | 0.0E0 |
| chicory | 1.831E-5 | | 1.831E-5 | 0.0E0 | 0.0E0 |
| celery | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| beans | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| peas | 1.602E-5 | | 1.602E-5 | 0.0E0 | 0.0E0 |
| grass | 1.563E-5 | | 1.563E-5 | 0.0E0 | 0.0E0 |
| maize | 1.602E-5 | | 1.602E-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 | 3.536E-4 | 0.0E0 | 8.038E-5 | 8.038E-5 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.919E-4 | 3.366E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 3.041E-4 | 2.442E-4 | 1.421E-4 | 2.793E-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) | 3.679E2 | 3.679E2 | 3.679E2 | 0.0E0 | 3.294E1 | 3.294E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 3.679E2 | | 3.679E2 | | 3.294E1 | |

| | |
|---|---|
| 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) | 1.147E-3 |
| Concentration in liver (mg/kg fw) | 1.147E-3 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 1.147E-3 |
| Concentration in milk (mg/kg fw) | 4.194E-4 |
| Concentration in butter (mg/kg fw) | 8.913E-3 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 3.126E-7 |
| Daily contaminant intake via feed (mg/d) | 1.098E0 |
| Daily contaminant intake via water (mg/d) | 1.098E0 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 6.768E-5 | 1.77E-4 | 1.79E-4 | 7.178E-5 | 1.775E-5 | 1.479E-5 | 1.972E-5 | 4.93E-5 | 4.93E-5 | 4.93E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 3.181E-3 | 2.655E-3 | 2.132E-3 | 1.815E-3 | 1.411E-3 | 1.211E-3 | 1.389E-3 | 1.389E-3 | 1.389E-3 | 1.389E-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) | 6.75E-5 | 1.765E-4 | 1.785E-4 | 7.158E-5 | 1.77E-5 | 1.475E-5 | 1.967E-5 | 4.917E-5 | 4.917E-5 | 4.917E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 3.172E-3 | 2.647E-3 | 2.126E-3 | 1.81E-3 | 1.407E-3 | 1.208E-3 | 1.386E-3 | 1.386E-3 | 1.386E-3 | 1.386E-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) | 3.249E-3 | 2.832E-3 | 2.311E-3 | 1.887E-3 | 1.428E-3 | 1.226E-3 | 1.409E-3 | 1.439E-3 | 1.439E-3 | 1.439E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 3.24E-3 | 2.824E-3 | 2.304E-3 | 1.882E-3 | 1.425E-3 | 1.223E-3 | 1.405E-3 | 1.435E-3 | 1.435E-3 | 1.435E-3 |

**Toluene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.581E3 | 5.23E5 | 1.016E5 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.031E5 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.031E5 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.388E-1 | 1.049E-1 | 7.256E-2 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 5.632E-2 | 2.473E-2 | 1.712E-2 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 2.388E-1 | 1.049E-1 | 7.256E-2 |
| Final outdoor air concentration (mg/m³) | 2.388E-1 | 1.049E-1 | 7.256E-2 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 5.346E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 2.029E0 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 7.424E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 2.819E-2 |
| Indoor air concentration from volatilization (mg/m³) | 1.049E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.049E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| leek | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| tomato | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| cucumber | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| cabbage | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| lettuce | 3.955E-3 | | 3.955E-3 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.711E-3 | | 3.711E-3 | 0.0E0 | 0.0E0 |
| endive | 3.282E-3 | | 3.282E-3 | 0.0E0 | 0.0E0 |
| spinach | 3.829E-3 | | 3.829E-3 | 0.0E0 | 0.0E0 |
| chicory | 3.446E-3 | | 3.446E-3 | 0.0E0 | 0.0E0 |
| celery | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| beans | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| peas | 3.015E-3 | | 3.015E-3 | 0.0E0 | 0.0E0 |
| grass | 2.942E-3 | | 2.942E-3 | 0.0E0 | 0.0E0 |
| maize | 3.015E-3 | | 3.015E-3 | 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 | 6.655E-2 | 0.0E0 | 1.513E-2 | 1.513E-2 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.613E-2 | 6.335E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.723E-2 | 4.597E-2 | 2.674E-2 | 5.257E-2 | 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) | 2.03E4 | 2.03E4 | 2.03E4 | 0.0E0 | 1.818E3 | 1.818E3 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.03E4 | | 2.03E4 | | 1.818E3 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.739E-6 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.173E-1 |
| Concentration in liver (mg/kg fw) | 2.173E-1 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.173E-1 |
| Concentration in milk (mg/kg fw) | 7.593E-2 |
| Concentration in butter (mg/kg fw) | 1.613E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.884E-5 |
| Daily contaminant intake via feed (mg/d) | 6.061E1 |
| Daily contaminant intake via water (mg/d) | 6.061E1 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 4.151E-3 | 1.085E-2 | 1.098E-2 | 4.402E-3 | 1.088E-3 | 9.07E-4 | 1.209E-3 | 3.023E-3 | 3.023E-3 | 3.023E-3 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.951E-1 | 1.628E-1 | 1.307E-1 | 1.113E-1 | 8.651E-2 | 7.428E-2 | 8.52E-2 | 8.52E-2 | 8.52E-2 | 8.52E-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) | 4.139E-3 | 1.082E-2 | 1.095E-2 | 4.39E-3 | 1.085E-3 | 9.045E-4 | 1.206E-3 | 3.015E-3 | 3.015E-3 | 3.015E-3 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.945E-1 | 1.623E-1 | 1.304E-1 | 1.11E-1 | 8.627E-2 | 7.407E-2 | 8.496E-2 | 8.496E-2 | 8.496E-2 | 8.496E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 1.992E-1 | 1.736E-1 | 1.417E-1 | 1.157E-1 | 8.76E-2 | 7.518E-2 | 8.641E-2 | 8.822E-2 | 8.822E-2 | 8.822E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.987E-1 | 1.732E-1 | 1.413E-1 | 1.154E-1 | 8.736E-2 | 7.498E-2 | 8.617E-2 | 8.798E-2 | 8.798E-2 | 8.798E-2 |

**Ethylbenzene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.678E1 | 1.936E4 | 4.523E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.122E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.122E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.451E-3 | 4.15E-3 | 2.872E-3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 2.227E-3 | 9.781E-4 | 6.768E-4 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 9.451E-3 | 4.15E-3 | 2.872E-3 |
| Final outdoor air concentration (mg/m³) | 9.451E-3 | 4.15E-3 | 2.872E-3 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 2.38E-1 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 9.037E-2 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 3.306E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.255E-3 |
| Indoor air concentration from volatilization (mg/m³) | 4.15E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.15E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| leek | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| tomato | 3.431E-4 | | 3.431E-4 | 0.0E0 | 0.0E0 |
| cucumber | 3.431E-4 | | 3.431E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 3.431E-4 | | 3.431E-4 | 0.0E0 | 0.0E0 |
| cabbage | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| lettuce | 4.501E-4 | | 4.501E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 4.224E-4 | | 4.224E-4 | 0.0E0 | 0.0E0 |
| endive | 3.735E-4 | | 3.735E-4 | 0.0E0 | 0.0E0 |
| spinach | 4.358E-4 | | 4.358E-4 | 0.0E0 | 0.0E0 |
| chicory | 3.922E-4 | | 3.922E-4 | 0.0E0 | 0.0E0 |
| celery | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| beans | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| peas | 3.432E-4 | | 3.432E-4 | 0.0E0 | 0.0E0 |
| grass | 3.348E-4 | | 3.348E-4 | 0.0E0 | 0.0E0 |
| maize | 3.432E-4 | | 3.432E-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 | 7.574E-3 | 0.0E0 | 1.722E-3 | 1.722E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 4.111E-3 | 7.21E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 6.513E-3 | 5.231E-3 | 3.043E-3 | 5.982E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 7.515E2 | 7.515E2 | 7.515E2 | 0.0E0 | 6.73E1 | 6.73E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 7.515E2 | | 7.516E2 | | 6.73E1 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.503E-5 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.172E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.633E-2 |
| Concentration in liver (mg/kg fw) | 2.633E-2 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.633E-2 |
| Concentration in milk (mg/kg fw) | 8.806E-3 |
| Concentration in butter (mg/kg fw) | 1.871E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 6.696E-6 |
| Daily contaminant intake via feed (mg/d) | 2.243E0 |
| Daily contaminant intake via water (mg/d) | 2.243E0 |
| 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) | 1.643E-4 | 4.296E-4 | 4.344E-4 | 1.742E-4 | 4.308E-5 | 3.59E-5 | 4.787E-5 | 1.197E-4 | 1.197E-4 | 1.197E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 7.722E-3 | 6.444E-3 | 5.174E-3 | 4.406E-3 | 3.424E-3 | 2.94E-3 | 3.372E-3 | 3.372E-3 | 3.372E-3 | 3.372E-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) | 1.638E-4 | 4.284E-4 | 4.332E-4 | 1.738E-4 | 4.296E-5 | 3.58E-5 | 4.774E-5 | 1.193E-4 | 1.193E-4 | 1.193E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 7.7E-3 | 6.426E-3 | 5.16E-3 | 4.394E-3 | 3.415E-3 | 2.932E-3 | 3.363E-3 | 3.363E-3 | 3.363E-3 | 3.363E-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) | 7.886E-3 | 6.873E-3 | 5.609E-3 | 4.581E-3 | 3.467E-3 | 2.976E-3 | 3.42E-3 | 3.492E-3 | 3.492E-3 | 3.492E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 7.864E-3 | 6.854E-3 | 5.593E-3 | 4.568E-3 | 3.458E-3 | 2.968E-3 | 3.411E-3 | 3.482E-3 | 3.482E-3 | 3.482E-3 |

**m-Xylene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.601E3 | 1.66E5 | 3.495E4 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 9.619E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 9.619E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 7.048E-2 | 3.095E-2 | 2.142E-2 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.662E-2 | 7.298E-3 | 5.05E-3 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 7.048E-2 | 3.095E-2 | 2.142E-2 |
| Final outdoor air concentration (mg/m³) | 7.048E-2 | 3.095E-2 | 2.142E-2 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.839E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 6.982E-1 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.554E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 9.698E-3 |
| Indoor air concentration from volatilization (mg/m³) | 3.095E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.095E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| leek | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| tomato | 3.092E-3 | | 3.092E-3 | 0.0E0 | 0.0E0 |
| cucumber | 3.092E-3 | | 3.092E-3 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| cabbage | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| lettuce | 4.056E-3 | | 4.056E-3 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.807E-3 | | 3.807E-3 | 0.0E0 | 0.0E0 |
| endive | 3.366E-3 | | 3.366E-3 | 0.0E0 | 0.0E0 |
| spinach | 3.928E-3 | | 3.928E-3 | 0.0E0 | 0.0E0 |
| chicory | 3.535E-3 | | 3.535E-3 | 0.0E0 | 0.0E0 |
| celery | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| beans | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| peas | 3.093E-3 | | 3.093E-3 | 0.0E0 | 0.0E0 |
| grass | 3.017E-3 | | 3.017E-3 | 0.0E0 | 0.0E0 |
| maize | 3.093E-3 | | 3.093E-3 | 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 | 6.826E-2 | 0.0E0 | 1.552E-2 | 1.552E-2 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.705E-2 | 6.498E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.87E-2 | 4.715E-2 | 2.743E-2 | 5.391E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 6.445E3 | 6.445E3 | 6.445E3 | 0.0E0 | 5.771E2 | 5.771E2 |
| TOTAL INTAKE (summer + winter) (mg/d) | 6.445E3 | | 6.445E3 | | 5.772E2 | |

| | |
|---|---|
| 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) | 2.424E-1 |
| Concentration in liver (mg/kg fw) | 2.424E-1 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.424E-1 |
| Concentration in milk (mg/kg fw) | 8.087E-2 |
| Concentration in butter (mg/kg fw) | 1.718E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 6.035E-5 |
| Daily contaminant intake via feed (mg/d) | 1.924E1 |
| Daily contaminant intake via water (mg/d) | 1.924E1 |
| 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) | 1.225E-3 | 3.204E-3 | 3.24E-3 | 1.299E-3 | 3.213E-4 | 2.677E-4 | 3.57E-4 | 8.924E-4 | 8.924E-4 | 8.924E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.759E-2 | 4.805E-2 | 3.859E-2 | 3.286E-2 | 2.554E-2 | 2.193E-2 | 2.515E-2 | 2.515E-2 | 2.515E-2 | 2.515E-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) | 1.222E-3 | 3.195E-3 | 3.231E-3 | 1.296E-3 | 3.204E-4 | 2.67E-4 | 3.56E-4 | 8.9E-4 | 8.9E-4 | 8.9E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.743E-2 | 4.792E-2 | 3.848E-2 | 3.277E-2 | 2.547E-2 | 2.187E-2 | 2.508E-2 | 2.508E-2 | 2.508E-2 | 2.508E-2 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 5.881E-2 | 5.126E-2 | 4.183E-2 | 3.416E-2 | 2.586E-2 | 2.219E-2 | 2.551E-2 | 2.604E-2 | 2.604E-2 | 2.604E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.865E-2 | 5.112E-2 | 4.171E-2 | 3.407E-2 | 2.579E-2 | 2.213E-2 | 2.544E-2 | 2.597E-2 | 2.597E-2 | 2.597E-2 |

**Naphthalene**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.33E2 | 2.451E4 | 3.554E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.42E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.42E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 6.984E-4 | 3.067E-4 | 2.122E-4 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.8E-4 | 7.904E-5 | 5.469E-5 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 6.984E-4 | 3.067E-4 | 2.122E-4 |
| Final outdoor air concentration (mg/m³) | 6.984E-4 | 3.067E-4 | 2.122E-4 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.871E-2 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 7.102E-3 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.598E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 9.864E-5 |
| Indoor air concentration from volatilization (mg/m³) | 3.067E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.067E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 8.97E-4 | | 8.97E-4 | 0.0E0 | 0.0E0 |
| leek | 8.97E-4 | | 8.97E-4 | 0.0E0 | 0.0E0 |
| tomato | 8.953E-4 | | 8.953E-4 | 0.0E0 | 0.0E0 |
| cucumber | 8.956E-4 | | 8.956E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 8.964E-4 | | 8.964E-4 | 0.0E0 | 0.0E0 |
| cabbage | 8.969E-4 | | 8.969E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 8.971E-4 | | 8.971E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 8.971E-4 | | 8.971E-4 | 0.0E0 | 0.0E0 |
| lettuce | 1.176E-3 | | 1.176E-3 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.104E-3 | | 1.104E-3 | 0.0E0 | 0.0E0 |
| endive | 9.762E-4 | | 9.762E-4 | 0.0E0 | 0.0E0 |
| spinach | 1.139E-3 | | 1.139E-3 | 0.0E0 | 0.0E0 |
| chicory | 1.025E-3 | | 1.025E-3 | 0.0E0 | 0.0E0 |
| celery | 8.969E-4 | | 8.969E-4 | 0.0E0 | 0.0E0 |
| beans | 8.971E-4 | | 8.971E-4 | 0.0E0 | 0.0E0 |
| peas | 8.971E-4 | | 8.971E-4 | 0.0E0 | 0.0E0 |
| grass | 8.75E-4 | | 8.75E-4 | 0.0E0 | 0.0E0 |
| maize | 8.97E-4 | | 8.97E-4 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.98E-2 | 0.0E0 | 4.5E-3 | 4.5E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.075E-2 | 1.884E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.702E-2 | 1.367E-2 | 7.954E-3 | 1.564E-2 | 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) | 9.517E2 | 9.517E2 | 9.517E2 | 0.0E0 | 8.523E1 | 8.523E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 9.517E2 | | 9.518E2 | | 8.523E1 | |

| | |
|---|---|
| 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) | 5.487E-2 |
| Concentration in liver (mg/kg fw) | 5.487E-2 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 5.487E-2 |
| Concentration in milk (mg/kg fw) | 1.802E-2 |
| Concentration in butter (mg/kg fw) | 3.828E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.75E-5 |
| Daily contaminant intake via feed (mg/d) | 2.841E0 |
| Daily contaminant intake via water (mg/d) | 2.841E0 |
| 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) | 1.214E-5 | 3.174E-5 | 3.21E-5 | 1.288E-5 | 3.183E-6 | 2.653E-6 | 3.537E-6 | 8.843E-6 | 8.843E-6 | 8.843E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.706E-4 | 4.762E-4 | 3.824E-4 | 3.256E-4 | 2.53E-4 | 2.172E-4 | 2.492E-4 | 2.492E-4 | 2.492E-4 | 2.492E-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) | 1.211E-5 | 3.166E-5 | 3.201E-5 | 1.284E-5 | 3.175E-6 | 2.646E-6 | 3.527E-6 | 8.819E-6 | 8.819E-6 | 8.819E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.69E-4 | 4.749E-4 | 3.813E-4 | 3.247E-4 | 2.523E-4 | 2.167E-4 | 2.485E-4 | 2.485E-4 | 2.485E-4 | 2.485E-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) | 5.827E-4 | 5.079E-4 | 4.145E-4 | 3.385E-4 | 2.562E-4 | 2.199E-4 | 2.527E-4 | 2.58E-4 | 2.58E-4 | 2.58E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.811E-4 | 5.065E-4 | 4.133E-4 | 3.376E-4 | 2.555E-4 | 2.193E-4 | 2.52E-4 | 2.573E-4 | 2.573E-4 | 2.573E-4 |

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

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

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

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

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

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| 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** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air (m³/m²d) | 9.988E-4 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 8.426E-5 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 2.728E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.011E4 | 3.4E1 | 3.319E3 |

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

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

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.686E-3 | 4.254E-3 | 2.943E-3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 2.267E-3 | 9.957E-4 | 6.89E-4 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 9.686E-3 | 4.254E-3 | 2.943E-3 |
| Final outdoor air concentration (mg/m³) | 9.686E-3 | 4.254E-3 | 2.943E-3 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.747E-1 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 6.632E-2 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.426E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 9.211E-4 |
| Indoor air concentration from volatilization (mg/m³) | 4.254E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.254E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| leek | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| tomato | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cucumber | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cabbage | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| lettuce | 3.276E-6 | | 3.276E-6 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.074E-6 | | 3.074E-6 | 0.0E0 | 0.0E0 |
| endive | 2.719E-6 | | 2.719E-6 | 0.0E0 | 0.0E0 |
| spinach | 3.172E-6 | | 3.172E-6 | 0.0E0 | 0.0E0 |
| chicory | 2.854E-6 | | 2.854E-6 | 0.0E0 | 0.0E0 |
| celery | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| beans | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| peas | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |
| grass | 2.437E-6 | | 2.437E-6 | 0.0E0 | 0.0E0 |
| maize | 2.498E-6 | | 2.498E-6 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.489E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.72E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 1.965E-4 |
| Concentration in liver (mg/kg fw) | 1.965E-4 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 1.965E-4 |
| Concentration in milk (mg/kg fw) | 6.231E-5 |
| Concentration in butter (mg/kg fw) | 1.324E-3 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.684E-4 | 4.403E-4 | 4.452E-4 | 1.786E-4 | 4.415E-5 | 3.679E-5 | 4.906E-5 | 1.226E-4 | 1.226E-4 | 1.226E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 7.914E-3 | 6.604E-3 | 5.303E-3 | 4.516E-3 | 3.509E-3 | 3.013E-3 | 3.456E-3 | 3.456E-3 | 3.456E-3 | 3.456E-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) | 1.679E-4 | 4.391E-4 | 4.44E-4 | 1.781E-4 | 4.403E-5 | 3.669E-5 | 4.892E-5 | 1.223E-4 | 1.223E-4 | 1.223E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 7.892E-3 | 6.586E-3 | 5.289E-3 | 4.504E-3 | 3.5E-3 | 3.005E-3 | 3.447E-3 | 3.447E-3 | 3.447E-3 | 3.447E-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) | 8.082E-3 | 7.044E-3 | 5.748E-3 | 4.695E-3 | 3.554E-3 | 3.05E-3 | 3.505E-3 | 3.579E-3 | 3.579E-3 | 3.579E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 8.06E-3 | 7.025E-3 | 5.733E-3 | 4.682E-3 | 3.544E-3 | 3.042E-3 | 3.496E-3 | 3.569E-3 | 3.569E-3 | 3.569E-3 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 1.744E5 | 7.6E-1 | 3.227E2 |

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

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

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 9.417E-4 | 4.136E-4 | 2.862E-4 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 2.204E-4 | 9.68E-5 | 6.698E-5 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 9.417E-4 | 4.136E-4 | 2.862E-4 |
| Final outdoor air concentration (mg/m³) | 9.417E-4 | 4.136E-4 | 2.862E-4 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.698E-2 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 6.447E-3 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.359E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 8.955E-5 |
| Indoor air concentration from volatilization (mg/m³) | 4.136E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 4.136E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| leek | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| tomato | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cucumber | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cabbage | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| lettuce | 8.012E-8 | | 8.012E-8 | 0.0E0 | 0.0E0 |
| lambs lettuce | 7.519E-8 | | 7.519E-8 | 0.0E0 | 0.0E0 |
| endive | 6.649E-8 | | 6.649E-8 | 0.0E0 | 0.0E0 |
| spinach | 7.757E-8 | | 7.757E-8 | 0.0E0 | 0.0E0 |
| chicory | 6.982E-8 | | 6.982E-8 | 0.0E0 | 0.0E0 |
| celery | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| beans | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| peas | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |
| grass | 5.96E-8 | | 5.96E-8 | 0.0E0 | 0.0E0 |
| maize | 6.109E-8 | | 6.109E-8 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.843E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 5.797E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 5.438E-6 |
| Concentration in liver (mg/kg fw) | 5.438E-6 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 5.438E-6 |
| Concentration in milk (mg/kg fw) | 1.711E-6 |
| Concentration in butter (mg/kg fw) | 3.635E-5 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 1.637E-5 | 4.28E-5 | 4.329E-5 | 1.736E-5 | 4.292E-6 | 3.577E-6 | 4.769E-6 | 1.192E-5 | 1.192E-5 | 1.192E-5 |
| Daily exposure via inhalation of indoor air (mg/m³) | 7.694E-4 | 6.42E-4 | 5.156E-4 | 4.391E-4 | 3.412E-4 | 2.929E-4 | 3.36E-4 | 3.36E-4 | 3.36E-4 | 3.36E-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) | 1.633E-5 | 4.269E-5 | 4.317E-5 | 1.731E-5 | 4.281E-6 | 3.567E-6 | 4.756E-6 | 1.189E-5 | 1.189E-5 | 1.189E-5 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 7.673E-4 | 6.403E-4 | 5.142E-4 | 4.379E-4 | 3.402E-4 | 2.921E-4 | 3.351E-4 | 3.351E-4 | 3.351E-4 | 3.351E-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) | 7.858E-4 | 6.848E-4 | 5.589E-4 | 4.564E-4 | 3.455E-4 | 2.965E-4 | 3.408E-4 | 3.479E-4 | 3.479E-4 | 3.479E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 7.836E-4 | 6.83E-4 | 5.573E-4 | 4.552E-4 | 3.445E-4 | 2.957E-4 | 3.398E-4 | 3.47E-4 | 3.47E-4 | 3.47E-4 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.279E4 | 2.5E-3 | 9.946E0 |

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

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

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.903E-5 | 1.275E-5 | 8.82E-6 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 6.794E-6 | 2.984E-6 | 2.065E-6 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 2.903E-5 | 1.275E-5 | 8.82E-6 |
| Final outdoor air concentration (mg/m³) | 2.903E-5 | 1.275E-5 | 8.82E-6 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 5.234E-4 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 1.987E-4 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 7.27E-6 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 2.76E-6 |
| Indoor air concentration from volatilization (mg/m³) | 1.275E-5 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 1.275E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| leek | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| tomato | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cucumber | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cabbage | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| lettuce | 2.896E-10 | | 2.896E-10 | 0.0E0 | 0.0E0 |
| lambs lettuce | 2.718E-10 | | 2.718E-10 | 0.0E0 | 0.0E0 |
| endive | 2.404E-10 | | 2.404E-10 | 0.0E0 | 0.0E0 |
| spinach | 2.804E-10 | | 2.804E-10 | 0.0E0 | 0.0E0 |
| chicory | 2.524E-10 | | 2.524E-10 | 0.0E0 | 0.0E0 |
| celery | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| beans | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| peas | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |
| grass | 2.154E-10 | | 2.154E-10 | 0.0E0 | 0.0E0 |
| maize | 2.208E-10 | | 2.208E-10 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 2.45E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 7.625E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.378E-8 |
| Concentration in liver (mg/kg fw) | 2.378E-8 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.378E-8 |
| Concentration in milk (mg/kg fw) | 7.401E-9 |
| Concentration in butter (mg/kg fw) | 1.573E-7 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 5.046E-7 | 1.319E-6 | 1.334E-6 | 5.351E-7 | 1.323E-7 | 1.103E-7 | 1.47E-7 | 3.675E-7 | 3.675E-7 | 3.675E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 2.371E-5 | 1.979E-5 | 1.589E-5 | 1.353E-5 | 1.052E-5 | 9.029E-6 | 1.036E-5 | 1.036E-5 | 1.036E-5 | 1.036E-5 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 5.032E-7 | 1.316E-6 | 1.331E-6 | 5.336E-7 | 1.319E-7 | 1.1E-7 | 1.466E-7 | 3.665E-7 | 3.665E-7 | 3.665E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 2.365E-5 | 1.974E-5 | 1.585E-5 | 1.35E-5 | 1.049E-5 | 9.004E-6 | 1.033E-5 | 1.033E-5 | 1.033E-5 | 1.033E-5 |
| 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) | 2.422E-5 | 2.111E-5 | 1.723E-5 | 1.407E-5 | 1.065E-5 | 9.139E-6 | 1.05E-5 | 1.072E-5 | 1.072E-5 | 1.072E-5 |
| Year-averaged total exposure via inhalation (mg/m³) | 2.415E-5 | 2.105E-5 | 1.718E-5 | 1.403E-5 | 1.062E-5 | 9.114E-6 | 1.048E-5 | 1.069E-5 | 1.069E-5 | 1.069E-5 |

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

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

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

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

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

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| 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** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air (m³/m²d) | 9.988E-4 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.0E-1 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.585E-2 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.214E2 | 5.4E3 | 2.202E5 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.129E3 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.129E3 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 6.428E-1 | 2.823E-1 | 1.953E-1 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.505E-1 | 6.607E-2 | 4.572E-2 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 6.428E-1 | 2.823E-1 | 1.953E-1 |
| Final outdoor air concentration (mg/m³) | 6.428E-1 | 2.823E-1 | 1.953E-1 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.159E1 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 4.401E0 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.61E-1 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 6.112E-2 |
| Indoor air concentration from volatilization (mg/m³) | 2.823E-1 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 2.823E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| leek | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| tomato | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| cucumber | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| cabbage | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| lettuce | 3.772E-4 | | 3.772E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.54E-4 | | 3.54E-4 | 0.0E0 | 0.0E0 |
| endive | 3.13E-4 | | 3.13E-4 | 0.0E0 | 0.0E0 |
| spinach | 3.652E-4 | | 3.652E-4 | 0.0E0 | 0.0E0 |
| chicory | 3.287E-4 | | 3.287E-4 | 0.0E0 | 0.0E0 |
| celery | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| beans | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| peas | 2.876E-4 | | 2.876E-4 | 0.0E0 | 0.0E0 |
| grass | 2.806E-4 | | 2.806E-4 | 0.0E0 | 0.0E0 |
| maize | 2.876E-4 | | 2.876E-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 | 6.347E-3 | 0.0E0 | 1.443E-3 | 1.443E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.445E-3 | 6.042E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.458E-3 | 4.384E-3 | 2.55E-3 | 5.013E-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) | 2.096E2 | 2.096E2 | 2.096E2 | 0.0E0 | 1.877E1 | 1.877E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.097E2 | | 2.097E2 | | 1.878E1 | |

| | |
|---|---|
| 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) | 2.135E-2 |
| Concentration in liver (mg/kg fw) | 2.135E-2 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.135E-2 |
| Concentration in milk (mg/kg fw) | 6.866E-3 |
| Concentration in butter (mg/kg fw) | 1.459E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.611E-6 |
| Daily contaminant intake via feed (mg/d) | 6.258E-1 |
| Daily contaminant intake via water (mg/d) | 6.258E-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) | 1.117E-2 | 2.922E-2 | 2.954E-2 | 1.185E-2 | 2.93E-3 | 2.442E-3 | 3.255E-3 | 8.139E-3 | 8.139E-3 | 8.139E-3 |
| Daily exposure via inhalation of indoor air (mg/m³) | 5.252E-1 | 4.382E-1 | 3.519E-1 | 2.997E-1 | 2.329E-1 | 1.999E-1 | 2.293E-1 | 2.293E-1 | 2.293E-1 | 2.293E-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) | 1.114E-2 | 2.914E-2 | 2.946E-2 | 1.182E-2 | 2.922E-3 | 2.435E-3 | 3.247E-3 | 8.116E-3 | 8.116E-3 | 8.116E-3 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 5.237E-1 | 4.37E-1 | 3.509E-1 | 2.989E-1 | 2.322E-1 | 1.994E-1 | 2.287E-1 | 2.287E-1 | 2.287E-1 | 2.287E-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) | 5.363E-1 | 4.675E-1 | 3.815E-1 | 3.115E-1 | 2.358E-1 | 2.024E-1 | 2.326E-1 | 2.375E-1 | 2.375E-1 | 2.375E-1 |
| Year-averaged total exposure via inhalation (mg/m³) | 5.349E-1 | 4.662E-1 | 3.804E-1 | 3.107E-1 | 2.352E-1 | 2.018E-1 | 2.32E-1 | 2.368E-1 | 2.368E-1 | 2.368E-1 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 3.165E3 | 4.3E2 | 2.803E4 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 2.492E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 2.492E2 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.181E-2 | 3.593E-2 | 2.486E-2 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.915E-2 | 8.41E-3 | 5.819E-3 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 8.181E-2 | 3.593E-2 | 2.486E-2 |
| Final outdoor air concentration (mg/m³) | 8.181E-2 | 3.593E-2 | 2.486E-2 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.475E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 5.601E-1 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.049E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 7.779E-3 |
| Indoor air concentration from volatilization (mg/m³) | 3.593E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.593E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| leek | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| tomato | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| cucumber | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| cabbage | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| lettuce | 3.606E-5 | | 3.606E-5 | 0.0E0 | 0.0E0 |
| lambs lettuce | 3.384E-5 | | 3.384E-5 | 0.0E0 | 0.0E0 |
| endive | 2.993E-5 | | 2.993E-5 | 0.0E0 | 0.0E0 |
| spinach | 3.492E-5 | | 3.492E-5 | 0.0E0 | 0.0E0 |
| chicory | 3.143E-5 | | 3.143E-5 | 0.0E0 | 0.0E0 |
| celery | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| beans | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| peas | 2.75E-5 | | 2.75E-5 | 0.0E0 | 0.0E0 |
| grass | 2.683E-5 | | 2.683E-5 | 0.0E0 | 0.0E0 |
| maize | 2.75E-5 | | 2.75E-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 | 6.069E-4 | 0.0E0 | 1.38E-4 | 1.38E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 3.294E-4 | 5.777E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 5.219E-4 | 4.192E-4 | 2.438E-4 | 4.793E-4 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 1.669E1 | 1.669E1 | 1.669E1 | 0.0E0 | 1.495E0 | 1.495E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 1.669E1 | | 1.67E1 | | 1.495E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.261E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.022E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.105E-3 |
| Concentration in liver (mg/kg fw) | 2.105E-3 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.105E-3 |
| Concentration in milk (mg/kg fw) | 6.715E-4 |
| Concentration in butter (mg/kg fw) | 1.427E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 5.365E-7 |
| Daily contaminant intake via feed (mg/d) | 4.983E-2 |
| Daily contaminant intake via water (mg/d) | 4.983E-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) | 1.422E-3 | 3.718E-3 | 3.76E-3 | 1.508E-3 | 3.729E-4 | 3.108E-4 | 4.143E-4 | 1.036E-3 | 1.036E-3 | 1.036E-3 |
| Daily exposure via inhalation of indoor air (mg/m³) | 6.684E-2 | 5.578E-2 | 4.479E-2 | 3.814E-2 | 2.964E-2 | 2.545E-2 | 2.919E-2 | 2.919E-2 | 2.919E-2 | 2.919E-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) | 1.418E-3 | 3.708E-3 | 3.75E-3 | 1.504E-3 | 3.719E-4 | 3.099E-4 | 4.132E-4 | 1.033E-3 | 1.033E-3 | 1.033E-3 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 6.666E-2 | 5.562E-2 | 4.467E-2 | 3.804E-2 | 2.956E-2 | 2.538E-2 | 2.911E-2 | 2.911E-2 | 2.911E-2 | 2.911E-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) | 6.826E-2 | 5.95E-2 | 4.855E-2 | 3.965E-2 | 3.001E-2 | 2.576E-2 | 2.961E-2 | 3.023E-2 | 3.023E-2 | 3.023E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 6.807E-2 | 5.933E-2 | 4.842E-2 | 3.954E-2 | 2.993E-2 | 2.569E-2 | 2.952E-2 | 3.014E-2 | 3.014E-2 | 3.014E-2 |

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

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

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

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

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

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| 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** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air (m³/m²d) | 9.988E-4 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 3.118E-6 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.14E-6 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

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

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

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

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

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

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| 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** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air (m³/m²d) | 9.988E-4 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.07E-5 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.739E-6 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 5.675E3 | 6.5E4 | 2.542E4 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.766E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.766E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 7.431E-2 | 3.263E-2 | 2.258E-2 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.745E-2 | 7.665E-3 | 5.304E-3 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 7.431E-2 | 3.263E-2 | 2.258E-2 |
| Final outdoor air concentration (mg/m³) | 7.431E-2 | 3.263E-2 | 2.258E-2 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.338E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 5.08E-1 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.858E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 7.055E-3 |
| Indoor air concentration from volatilization (mg/m³) | 3.263E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.263E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| leek | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| tomato | 4.704E-3 | | 4.704E-3 | 0.0E0 | 0.0E0 |
| cucumber | 4.704E-3 | | 4.704E-3 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| cabbage | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| lettuce | 6.171E-3 | | 6.171E-3 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.791E-3 | | 5.791E-3 | 0.0E0 | 0.0E0 |
| endive | 5.121E-3 | | 5.121E-3 | 0.0E0 | 0.0E0 |
| spinach | 5.975E-3 | | 5.975E-3 | 0.0E0 | 0.0E0 |
| chicory | 5.377E-3 | | 5.377E-3 | 0.0E0 | 0.0E0 |
| celery | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| beans | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| peas | 4.705E-3 | | 4.705E-3 | 0.0E0 | 0.0E0 |
| grass | 4.59E-3 | | 4.59E-3 | 0.0E0 | 0.0E0 |
| maize | 4.705E-3 | | 4.705E-3 | 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 | 1.038E-1 | 0.0E0 | 2.361E-2 | 2.361E-2 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.637E-2 | 9.885E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 8.93E-2 | 7.173E-2 | 4.173E-2 | 8.202E-2 | 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) | 2.524E3 | 2.524E3 | 2.524E3 | 0.0E0 | 2.26E2 | 2.26E2 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.524E3 | | 2.524E3 | | 2.26E2 | |

| | |
|---|---|
| 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) | 2.283E-1 |
| Concentration in liver (mg/kg fw) | 2.283E-1 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.283E-1 |
| Concentration in milk (mg/kg fw) | 7.373E-2 |
| Concentration in butter (mg/kg fw) | 1.567E0 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 9.181E-5 |
| Daily contaminant intake via feed (mg/d) | 7.533E0 |
| Daily contaminant intake via water (mg/d) | 7.533E0 |
| 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-3 | 3.378E-3 | 3.416E-3 | 1.37E-3 | 3.387E-4 | 2.823E-4 | 3.764E-4 | 9.409E-4 | 9.409E-4 | 9.409E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 6.071E-2 | 5.066E-2 | 4.068E-2 | 3.465E-2 | 2.692E-2 | 2.312E-2 | 2.652E-2 | 2.652E-2 | 2.652E-2 | 2.652E-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-3 | 3.368E-3 | 3.406E-3 | 1.366E-3 | 3.378E-4 | 2.815E-4 | 3.753E-4 | 9.383E-4 | 9.383E-4 | 9.383E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 6.055E-2 | 5.053E-2 | 4.057E-2 | 3.455E-2 | 2.685E-2 | 2.305E-2 | 2.644E-2 | 2.644E-2 | 2.644E-2 | 2.644E-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) | 6.201E-2 | 5.404E-2 | 4.41E-2 | 3.602E-2 | 2.726E-2 | 2.34E-2 | 2.689E-2 | 2.746E-2 | 2.746E-2 | 2.746E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 6.184E-2 | 5.389E-2 | 4.398E-2 | 3.592E-2 | 2.719E-2 | 2.333E-2 | 2.682E-2 | 2.738E-2 | 2.738E-2 | 2.738E-2 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 4.999E3 | 2.5E4 | 2.85E3 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.449E4 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.449E4 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.361E-3 | 3.672E-3 | 2.541E-3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.98E-3 | 8.697E-4 | 6.018E-4 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 8.361E-3 | 3.672E-3 | 2.541E-3 |
| Final outdoor air concentration (mg/m³) | 8.361E-3 | 3.672E-3 | 2.541E-3 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.5E-1 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 5.694E-2 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.083E-3 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 7.909E-4 |
| Indoor air concentration from volatilization (mg/m³) | 3.672E-3 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.672E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| leek | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| tomato | 2.193E-3 | | 2.193E-3 | 0.0E0 | 0.0E0 |
| cucumber | 2.193E-3 | | 2.193E-3 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 2.195E-3 | | 2.195E-3 | 0.0E0 | 0.0E0 |
| cabbage | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| lettuce | 2.88E-3 | | 2.88E-3 | 0.0E0 | 0.0E0 |
| lambs lettuce | 2.703E-3 | | 2.703E-3 | 0.0E0 | 0.0E0 |
| endive | 2.39E-3 | | 2.39E-3 | 0.0E0 | 0.0E0 |
| spinach | 2.789E-3 | | 2.789E-3 | 0.0E0 | 0.0E0 |
| chicory | 2.51E-3 | | 2.51E-3 | 0.0E0 | 0.0E0 |
| celery | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| beans | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| peas | 2.196E-3 | | 2.196E-3 | 0.0E0 | 0.0E0 |
| grass | 2.142E-3 | | 2.142E-3 | 0.0E0 | 0.0E0 |
| maize | 2.196E-3 | | 2.196E-3 | 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 | 4.846E-2 | 0.0E0 | 1.102E-2 | 1.102E-2 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 2.631E-2 | 4.613E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 4.168E-2 | 3.347E-2 | 1.947E-2 | 3.828E-2 | 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) | 9.706E2 | 9.706E2 | 9.706E2 | 0.0E0 | 8.692E1 | 8.692E1 |
| TOTAL INTAKE (summer + winter) (mg/d) | 9.706E2 | | 9.707E2 | | 8.693E1 | |

| | |
|---|---|
| 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) | 9.429E-2 |
| Concentration in liver (mg/kg fw) | 9.429E-2 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 9.429E-2 |
| Concentration in milk (mg/kg fw) | 3.037E-2 |
| Concentration in butter (mg/kg fw) | 6.453E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 4.285E-5 |
| Daily contaminant intake via feed (mg/d) | 2.897E0 |
| Daily contaminant intake via water (mg/d) | 2.897E0 |
| 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) | 1.453E-4 | 3.8E-4 | 3.843E-4 | 1.541E-4 | 3.811E-5 | 3.176E-5 | 4.235E-5 | 1.059E-4 | 1.059E-4 | 1.059E-4 |
| Daily exposure via inhalation of indoor air (mg/m³) | 6.831E-3 | 5.7E-3 | 4.577E-3 | 3.898E-3 | 3.029E-3 | 2.601E-3 | 2.983E-3 | 2.983E-3 | 2.983E-3 | 2.983E-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) | 1.449E-4 | 3.79E-4 | 3.833E-4 | 1.537E-4 | 3.801E-5 | 3.167E-5 | 4.223E-5 | 1.056E-4 | 1.056E-4 | 1.056E-4 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 6.812E-3 | 5.685E-3 | 4.565E-3 | 3.887E-3 | 3.021E-3 | 2.594E-3 | 2.975E-3 | 2.975E-3 | 2.975E-3 | 2.975E-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) | 6.976E-3 | 6.08E-3 | 4.962E-3 | 4.052E-3 | 3.067E-3 | 2.633E-3 | 3.026E-3 | 3.089E-3 | 3.089E-3 | 3.089E-3 |
| Year-averaged total exposure via inhalation (mg/m³) | 6.957E-3 | 6.064E-3 | 4.948E-3 | 4.041E-3 | 3.059E-3 | 2.625E-3 | 3.017E-3 | 3.081E-3 | 3.081E-3 | 3.081E-3 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 4.124E4 | 5.8E3 | 2.501E2 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard 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 loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 7.401E-4 | 3.25E-4 | 2.249E-4 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 1.786E-4 | 7.841E-5 | 5.426E-5 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 7.401E-4 | 3.25E-4 | 2.249E-4 |
| Final outdoor air concentration (mg/m³) | 7.401E-4 | 3.25E-4 | 2.249E-4 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.316E-2 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 4.998E-3 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 1.828E-4 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 6.941E-5 |
| Indoor air concentration from volatilization (mg/m³) | 3.25E-4 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.25E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 6.063E-4 | | 6.063E-4 | 0.0E0 | 0.0E0 |
| leek | 6.063E-4 | | 6.063E-4 | 0.0E0 | 0.0E0 |
| tomato | 6.036E-4 | | 6.036E-4 | 0.0E0 | 0.0E0 |
| cucumber | 6.04E-4 | | 6.04E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 6.053E-4 | | 6.053E-4 | 0.0E0 | 0.0E0 |
| cabbage | 6.061E-4 | | 6.061E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 6.063E-4 | | 6.063E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 6.064E-4 | | 6.064E-4 | 0.0E0 | 0.0E0 |
| lettuce | 7.949E-4 | | 7.949E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 7.464E-4 | | 7.464E-4 | 0.0E0 | 0.0E0 |
| endive | 6.597E-4 | | 6.597E-4 | 0.0E0 | 0.0E0 |
| spinach | 7.699E-4 | | 7.699E-4 | 0.0E0 | 0.0E0 |
| chicory | 6.93E-4 | | 6.93E-4 | 0.0E0 | 0.0E0 |
| celery | 6.06E-4 | | 6.06E-4 | 0.0E0 | 0.0E0 |
| beans | 6.063E-4 | | 6.063E-4 | 0.0E0 | 0.0E0 |
| peas | 6.064E-4 | | 6.064E-4 | 0.0E0 | 0.0E0 |
| grass | 5.913E-4 | | 5.913E-4 | 0.0E0 | 0.0E0 |
| maize | 6.062E-4 | | 6.062E-4 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.338E-2 | 0.0E0 | 3.041E-3 | 3.041E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 7.261E-3 | 1.273E-2 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.151E-2 | 9.241E-3 | 5.376E-3 | 1.057E-2 | 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) | 7.546E-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) | 1.183E-5 |
| 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) | 1.286E-5 | 3.364E-5 | 3.402E-5 | 1.364E-5 | 3.373E-6 | 2.811E-6 | 3.748E-6 | 9.37E-6 | 9.37E-6 | 9.37E-6 |
| Daily exposure via inhalation of indoor air (mg/m³) | 6.046E-4 | 5.046E-4 | 4.052E-4 | 3.45E-4 | 2.681E-4 | 2.302E-4 | 2.641E-4 | 2.641E-4 | 2.641E-4 | 2.641E-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) | 1.283E-5 | 3.355E-5 | 3.392E-5 | 1.361E-5 | 3.364E-6 | 2.803E-6 | 3.738E-6 | 9.345E-6 | 9.345E-6 | 9.345E-6 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 6.03E-4 | 5.032E-4 | 4.041E-4 | 3.441E-4 | 2.674E-4 | 2.296E-4 | 2.633E-4 | 2.633E-4 | 2.633E-4 | 2.633E-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) | 6.175E-4 | 5.382E-4 | 4.392E-4 | 3.587E-4 | 2.715E-4 | 2.33E-4 | 2.678E-4 | 2.734E-4 | 2.734E-4 | 2.734E-4 |
| Year-averaged total exposure via inhalation (mg/m³) | 6.158E-4 | 5.367E-4 | 4.38E-4 | 3.577E-4 | 2.708E-4 | 2.324E-4 | 2.671E-4 | 2.727E-4 | 2.727E-4 | 2.727E-4 |

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

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.517E4 | 6.5E2 | 6.867E0 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 3.766E2 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 3.766E2 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.117E-5 | 9.297E-6 | 6.433E-6 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 5.518E-6 | 2.423E-6 | 1.677E-6 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 2.117E-5 | 9.297E-6 | 6.433E-6 |
| Final outdoor air concentration (mg/m³) | 2.117E-5 | 9.297E-6 | 6.433E-6 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 3.614E-4 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 1.372E-4 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 5.019E-6 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 1.906E-6 |
| Indoor air concentration from volatilization (mg/m³) | 9.297E-6 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 9.297E-6 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 9.146E-5 | | 9.146E-5 | 0.0E0 | 0.0E0 |
| leek | 9.147E-5 | | 9.147E-5 | 0.0E0 | 0.0E0 |
| tomato | 9.089E-5 | | 9.089E-5 | 0.0E0 | 0.0E0 |
| cucumber | 9.098E-5 | | 9.098E-5 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 9.126E-5 | | 9.126E-5 | 0.0E0 | 0.0E0 |
| cabbage | 9.143E-5 | | 9.143E-5 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 9.148E-5 | | 9.148E-5 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 9.149E-5 | | 9.149E-5 | 0.0E0 | 0.0E0 |
| lettuce | 1.199E-4 | | 1.199E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 1.126E-4 | | 1.126E-4 | 0.0E0 | 0.0E0 |
| endive | 9.952E-5 | | 9.952E-5 | 0.0E0 | 0.0E0 |
| spinach | 1.162E-4 | | 1.162E-4 | 0.0E0 | 0.0E0 |
| chicory | 1.046E-4 | | 1.046E-4 | 0.0E0 | 0.0E0 |
| celery | 9.142E-5 | | 9.142E-5 | 0.0E0 | 0.0E0 |
| beans | 9.148E-5 | | 9.148E-5 | 0.0E0 | 0.0E0 |
| peas | 9.151E-5 | | 9.151E-5 | 0.0E0 | 0.0E0 |
| grass | 8.92E-5 | | 8.92E-5 | 0.0E0 | 0.0E0 |
| maize | 9.145E-5 | | 9.145E-5 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 2.018E-3 | 0.0E0 | 4.587E-4 | 4.587E-4 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 1.095E-3 | 1.921E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 1.736E-3 | 1.394E-3 | 8.109E-4 | 1.594E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via concentrate (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via water (mg/d) | 2.524E1 | 2.524E1 | 2.524E1 | 0.0E0 | 2.26E0 | 2.26E0 |
| TOTAL INTAKE (summer + winter) (mg/d) | 2.524E1 | | 2.524E1 | | 2.26E0 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.174E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 3.756E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.964E-3 |
| Concentration in liver (mg/kg fw) | 2.964E-3 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.964E-3 |
| Concentration in milk (mg/kg fw) | 9.48E-4 |
| Concentration in butter (mg/kg fw) | 2.014E-2 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 1.784E-6 |
| Daily contaminant intake via feed (mg/d) | 7.533E-2 |
| Daily contaminant intake via water (mg/d) | 7.533E-2 |
| BTF via soil ((mg/kg fw)/(mg/d)) | 0.0E0 |
| BTF via feed ((mg/kg fw)/(mg/d)) | 0.0E0 |
| Concentration in eggs (mg/kg fw) | 0.0E0 |

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 3.68E-7 | 9.622E-7 | 9.731E-7 | 3.903E-7 | 9.65E-8 | 8.041E-8 | 1.072E-7 | 2.68E-7 | 2.68E-7 | 2.68E-7 |
| Daily exposure via inhalation of indoor air (mg/m³) | 1.73E-5 | 1.443E-5 | 1.159E-5 | 9.87E-6 | 7.67E-6 | 6.585E-6 | 7.554E-6 | 7.554E-6 | 7.554E-6 | 7.554E-6 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 3.67E-7 | 9.596E-7 | 9.704E-7 | 3.892E-7 | 9.623E-8 | 8.019E-8 | 1.069E-7 | 2.673E-7 | 2.673E-7 | 2.673E-7 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 1.725E-5 | 1.439E-5 | 1.156E-5 | 9.843E-6 | 7.649E-6 | 6.567E-6 | 7.533E-6 | 7.533E-6 | 7.533E-6 | 7.533E-6 |
| 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) | 1.766E-5 | 1.54E-5 | 1.256E-5 | 1.026E-5 | 7.766E-6 | 6.666E-6 | 7.661E-6 | 7.822E-6 | 7.822E-6 | 7.822E-6 |
| Year-averaged total exposure via inhalation (mg/m³) | 1.762E-5 | 1.535E-5 | 1.253E-5 | 1.023E-5 | 7.745E-6 | 6.647E-6 | 7.64E-6 | 7.8E-6 | 7.8E-6 | 7.8E-6 |

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

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

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

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

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

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| 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** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 0.0E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 0.0E0 |
| Air flux from soil to indoor air (m³/m²d) | 9.988E-4 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| leek | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| tomato | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cucumber | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cabbage | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| lambs lettuce | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| endive | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| spinach | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| chicory | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| celery | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| beans | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| peas | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| grass | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |
| maize | 0.0E0 | | 0.0E0 | 0.0E0 | 0.0E0 |

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

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 1.42E-4 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 4.509E-5 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 0.0E0 |
| Concentration in liver (mg/kg fw) | 0.0E0 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 0.0E0 |
| Concentration in milk (mg/kg fw) | 0.0E0 |
| Concentration in butter (mg/kg fw) | 0.0E0 |

**Chicken parameters**

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

**Exposure Results**

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

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

**Exposure via inhalation**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Background exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of outdoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged exposure via inhalation of air during showering (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Year-averaged total exposure via inhalation (mg/m³) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |

**Methyl-t-butylether**

| | Soil Solid (mg/kg) | Soil Water (mg/m³) | Soil Air (mg/m³) |
|---|---|---|---|
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 2.053E2 | 2.085E6 | 3.053E4 |

| | Calculated groundwater concentration from leaching |
|---|---|
| Standard loam | 0.0E0 |
| Standard loam | 1.208E6 |

| Groundwater concentration (mg/m³) | Supply water (mg/m³) | Drinking-water (mg/m³) |
|---|---|---|
| 1.208E6 | 0.0E0 | 0.0E0 |

| | Plant height (m/d) | Child height (m/d) | Adult height (m/d) |
|---|---|---|---|
| Outdoor air dilution rate | 2.393E3 | 5.448E3 | 7.873E3 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Standard loam | 0.0E0 | 0.0E0 | 0.0E0 |
| Standard loam | 8.609E-2 | 3.781E-2 | 2.616E-2 |
| | Plant height (mg/m³) | Child height (mg/m³) | Adult height (mg/m³) |
| Air concentration < volatilization from | 2.186E-2 | 9.602E-3 | 6.644E-3 |

| | | | |
|---|---|---|---|
| groundwater layer (mg/m³) | | | |
| Resulting air concentration from volatilization (mg/m³) | 8.609E-2 | 3.781E-2 | 2.616E-2 |
| Final outdoor air concentration (mg/m³) | 8.609E-2 | 3.781E-2 | 2.616E-2 |

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

**Building** **Slab-on-grade**

| | |
|---|---|
| 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 (mg/m²d) | 1.607E0 |
| Contaminant flux from groundwater to indoor air (mg/m²d) | 6.1E-1 |
| Air flux from soil to indoor air (m³/m²d) | 5.263E-5 |
| "Air flux from groundwater to indoor air (m³/m²d) | 3.448E-5 |

**Building : General**

| | |
|---|---|
| Indoor air concentration from soil (mg/m³) | 2.232E-2 |
| Layer determining the soil indoor air concentration | 2.0E0 |
| Indoor air concentration from groundwater (mg/m³) | 8.472E-3 |
| Indoor air concentration from volatilization (mg/m³) | 3.781E-2 |
| Settled dust concentration (mg/m³) | 0.0E0 |
| Indoor air concentration from soil resuspension (mg/m³) | 0.0E0 |
| Final indoor air concentration (mg/m³) | 3.781E-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 | | | |

| | 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 |
|---|---|---|---|---|---|
| other root vegetables (as radish) | 0.0E0 | 0.0E0 | | | |
| bulbous vegetables (as onion) | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| leek | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| tomato | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| cucumber | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| other fruit vegetables (as paprika) | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| cabbage | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| cauliflower and broccoli | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| Brussels sprouts | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| lettuce | 6.022E-4 | | 6.022E-4 | 0.0E0 | 0.0E0 |
| lambs lettuce | 5.651E-4 | | 5.651E-4 | 0.0E0 | 0.0E0 |
| endive | 4.998E-4 | | 4.998E-4 | 0.0E0 | 0.0E0 |
| spinach | 5.831E-4 | | 5.831E-4 | 0.0E0 | 0.0E0 |
| chicory | 5.248E-4 | | 5.248E-4 | 0.0E0 | 0.0E0 |
| celery | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| beans | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| peas | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |
| grass | 4.48E-4 | | 4.48E-4 | 0.0E0 | 0.0E0 |
| maize | 4.592E-4 | | 4.592E-4 | 0.0E0 | 0.0E0 |

| | Beef cattle | | Milk cattle | | Sheep | |
|---|---|---|---|---|---|---|
| | Summer | Winter | Summer | Winter | Winter | Summer |
| Daily contaminant intake via soil (mg/d) | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via pasture grass (mg/d) | 0.0E0 | 0.0E0 | 1.013E-2 | 0.0E0 | 2.304E-3 | 2.304E-3 |
| Daily contaminant intake via silage grass (mg/d) | 0.0E0 | 0.0E0 | 5.501E-3 | 9.647E-3 | 0.0E0 | 0.0E0 |
| Daily contaminant intake via maize (mg/d) | 8.715E-3 | 7.0E-3 | 4.072E-3 | 8.004E-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) | 8.095E4 | 8.095E4 | 8.095E4 | 0.0E0 | 7.249E3 | 7.249E3 |
| TOTAL INTAKE (summer + winter) (mg/d) | 8.095E4 | | 8.095E4 | | 7.249E3 | |

| | |
|---|---|
| Meat BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |
| Liver BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |
| Kidney BTF ((mg/kg fw)/(mg/d)) | 2.98E-7 |
| Milk BTF ((mg/kg fw)/(mg/d)) | 1.188E-7 |

| | |
|---|---|
| Concentration in meat (mg/kg fw) | 2.412E-2 |
| Concentration in liver (mg/kg fw) | 2.412E-2 |

| | |
|---|---|
| Concentration in kidney (mg/kg fw) | 2.412E-2 |
| Concentration in milk (mg/kg fw) | 9.618E-3 |
| Concentration in butter (mg/kg fw) | 2.044E-1 |

**Chicken parameters**

| | |
|---|---|
| Daily contaminant intake via soil (mg/d) | 0.0E0 |
| Daily contaminant intake via grass (mg/d) | 8.959E-6 |
| Daily contaminant intake via feed (mg/d) | 2.416E2 |
| Daily contaminant intake via water (mg/d) | 2.416E2 |
| 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) | 1.497E-3 | 3.913E-3 | 3.957E-3 | 1.587E-3 | 3.924E-4 | 3.27E-4 | 4.36E-4 | 1.09E-3 | 1.09E-3 | 1.09E-3 |
| Daily exposure via inhalation of indoor air (mg/m³) | 7.034E-2 | 5.87E-2 | 4.714E-2 | 4.014E-2 | 3.119E-2 | 2.678E-2 | 3.072E-2 | 3.072E-2 | 3.072E-2 | 3.072E-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) | 1.493E-3 | 3.903E-3 | 3.946E-3 | 1.583E-3 | 3.914E-4 | 3.261E-4 | 4.348E-4 | 1.087E-3 | 1.087E-3 | 1.087E-3 |
| Year-averaged exposure via inhalation of indoor air (mg/m³) | 7.015E-2 | 5.854E-2 | 4.701E-2 | 4.003E-2 | 3.111E-2 | 2.671E-2 | 3.064E-2 | 3.064E-2 | 3.064E-2 | 3.064E-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) | 7.184E-2 | 6.261E-2 | 5.109E-2 | 4.173E-2 | 3.158E-2 | 2.711E-2 | 3.116E-2 | 3.181E-2 | 3.181E-2 | 3.181E-2 |
| Year-averaged total exposure via inhalation (mg/m³) | 7.164E-2 | 6.244E-2 | 5.095E-2 | 4.161E-2 | 3.15E-2 | 2.703E-2 | 3.107E-2 | 3.172E-2 | 3.172E-2 | 3.172E-2 |