Administrative information

Name:	Exercice_experts_simulation_5
Label:	SC
Application	: II Site specific risk assessment
Region:	Wallonia
Description	:

Main results

Firefox

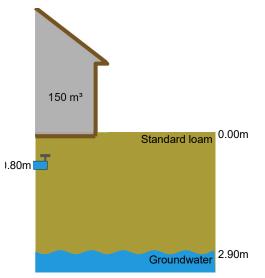
	Highest RI	Highest ExCR	Highest pRI	Highest Cl
Chemical	(>1)	(>10 ⁻⁵)	(>1)	(>1)
Ethylbenzene	4.653e-3	3.039e-6		(Indoor air CI)

Conceptual site model

Scenario

Land Based	3,				
Expos	sure routes				
	Oral		Inhalation		Dermal
ତ	soil & settled dust	୯	via outdoor air	ତ	via soil & settled dust
0	vegetables	R	via indoor air	Ο	via water (bath & shower)
Ο	via meat & milk	Ο	during showering		
Ο	via eggs				
C	via water				

Soil profile & concentrations



Site characteristics

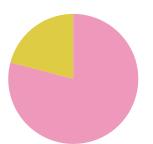
Building type		Slab-on-grade
Floor thickness	m	0.1
Floor quality setting		Gaps and holes
Drinking water pipe depth	m	0.8
Length of the site	m	50.0

		Standard loam	Groundwater
Layer properties			
Top of layer	m	0.0	2.9
ОМ	%	2.1	
Clay content	%	15.0	
pH _{KCI}		5.800e+0	
Concentrations		mg/kg dm	μg/l (Calculated)
Ethylbenzene		6.500e+0	1.369e+3

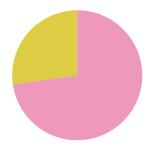
Results per chemical

Ethylbenzene

Risk indexes



Threshold effect, systemic	Age group 1	Age group 2	Age group 3
Oral RI for systemic threshold effects	0	0	9.741e-4
Dermal RI for systemic threshold effects	0	0	3.824e-7
Inhalation RI for systemic threshold effects	0	0	3.678e-3
Overall RI for systemic threshold effects	0	0	4.653e-3



Non-threshold, systemic	Age group 1	Age group 2	Age group 3	Lifelong
Oral ExCR for systemic non-threshold effects	0	0	1.039e-6	8.315e-7
Dermal ExCR for systemic non-threshold effects	0	0	4.080e-10	3.264e-10
Inhalation ExCR for systemic non-threshold effects	0	0	2.759e-6	2.207e-6
Overall ExCR for systemic non-threshold effects	0	0	3.798e-6	3.039e-6

Concentration indexes

	Concentration index	Limit value
CI Environment		mg/m ³
Water Cl		
Outdoor air Cl		
Indoor air Cl		
CI Animal products		mg/kg fw
Beef Cl		
Sheep meat Cl		
Liver Cl		
Kidney Cl		
Milk Cl		

	Concentration index	Limit value
Butter CI		
Egg Cl		
CI feed crops		mg/kg fw
Grass Cl		

Maize Cl

Exposure overview

	1-<6 yr		6-<15 yr mg/kg bw∙d or mg/m³		15-<71 yr	15-<71 yr	
	mg/kg bw∙o	d or mg/m³			mg/kg bw∙d or mg/m³		
Oral intake	7.439e-5		5.258e-5		9.449e-5		
intake via eggs	0	0.0%	0	0.0%	0	0.0%	
intake via local vegetables	0	0.0%	0	0.0%	0	0.0%	
intake via meat & milk	0	0.0%	0	0.0%	0	0.0%	
soil & dust ingestion	0	0.0%	0	0.0%	7.685e-7	0.8%	
intake via water	7.439e-5	100.0%	5.258e-5	100.0%	9.372e-5	99.2%	
Dermal intake	0		0		3.709e-8		
uptake via bathing	0	%	0	%	0	0.0%	
uptake via showering	0	%	0	%	0	0.0%	
uptake via soil & dust	0	%	0	%	3.709e-8	100.0%	
Intake via inhalation	0		0		1.103e-3		
inhalation of indoor air	0	%	0	%	1.101e-3	99.8%	
inhalation of outdoor air	0	%	0	%	1.976e-6	0.2%	
inhalation during showering	0	%	0	%	0	0.0%	

(*) Refer to the full report for more information about these values.

Local vs background exposure

	1-<6 yr			6-<15 yr mg/kg bw∙d or mg/m³		15-<71 yr mg/kg bw∙d or mg/m³	
	mg/kg bw∙						
Oral	7.439e-5		5.258e-5		9.449e-5		
background oral exposure	0	0.0%	0	0.0%	0	0.0%	
local oral exposure	7.439e-5	100.0%	5.258e-5	100.0%	9.449e-5	100.0%	
Inhal	0		0		1.103e-3		

	1-<6 yr		6-<15 yr		15-<71 yr	
			mg/kg bw∙d or mg/m³			
background inhalation exposure	0	%	0	%	0	0.0%
local inhalation exposure	0	%	0	%	1.103e-3	100.0%

(*) Refer to the full report for more information about these values.

List of user-modified parameters

In the table below user-modified parameters are listed like they are saved in the system. If the format of the values shown is not immediately clear, refer to the extended report for more details.

Торіс	Soil layer	Chemical	Parameter	Value	Comment
Soil	Standard loam (0.0m)		Clay content	1.5E1	
Soil	Standard loam (0.0m)		Organic matter content	2.1E0	
Soil	Standard loam (0.0m)		Top of layer	0.0E0	
Soil	Standard loam (0.0m)	Ethylbenzene	Measured soil layer concentration	6.5	
Water			Depth of the groundwater table	2.9	

Version: 1.3.0 - Calculated with version: 1.3.0 - Region: Wallonia