

(3- Phase -System)

Soil-Water-Air

green cells: required input data

yellow cells: output

Total amount of
compound in the system=

Case 1

1 mg

partition constants

$K_{oc\ w} = (C_{oc}/C_{wasser})$

10000

$cm^3/g = L_{water}/kg_{oc}$

$K_{aw} = (C_{air}/C_{wasser})$

0.00E+00

Vol/Vol

System Variables

total volume

50200 L

H₂O volume

50000 L

Mass of soil

2.00E+02 kg

fraction organic carbon

1 $g_{oc}/g_{dry\ soil}$

density of the soil matrix

1 kg/L

air volume

0.00 L

Results of the calculations for the actual input data

phases:

mass distribution of the compound (in fractions)

OC

0.976

air

#DIV/0!

water

0.024

sum (control)

#DIV/0!

concentrations of the compound

OC

0.005

mg /kg

air

#DIV/0!

mg /L

water

0.000

mg /L