

POLLUTEv10

Version 10.00
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Case 2: Pure diffusion

THE DARCY VELOCITY (Flux) THROUGH THE LAYERS $V_a = 0$ m/a

Layer Properties

Layer	Thickness	Number of Sublayers	Coefficient of Hydrodynamic Dispersion	Matrix Porosity	Distribution Coefficient	Dry Density
Aquitard	4 m	4	0.01 m ² /a	0.4	0 cm ³ /g	1.5 g/cm ³

Boundary Conditions

Constant Concentration Top Boundary

Source Concentration	1 mg/L
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Constant Concentration Bottom Boundary

Base Concentration	0 mg/L
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Laplace Transform Parameters

TAU	7
N	20
SIG	0
RNU	2

Calculated Concentrations at Selected Times and Depths

Time yr	Depth m	Concentration mg/L
10	0.00000E+00	1.00000E+00
	1.00000E+00	2.53473E-02
	2.00000E+00	7.74423E-06
	3.00000E+00	2.01124E-11
	4.00000E+00	0.00000E+00
50	0.00000E+00	1.00000E+00
	1.00000E+00	3.17311E-01
	2.00000E+00	4.55003E-02
	3.00000E+00	2.69922E-03

	4.00000E+00	0.00000E+00
100	0.00000E+00	1.00000E+00
	1.00000E+00	4.79499E-01
	2.00000E+00	1.57277E-01
	3.00000E+00	3.34879E-02
	4.00000E+00	0.00000E+00
150	0.00000E+00	1.00000E+00
	1.00000E+00	5.63650E-01
	2.00000E+00	2.47681E-01
	3.00000E+00	7.93721E-02
	4.00000E+00	0.00000E+00
200	0.00000E+00	1.00000E+00
	1.00000E+00	6.16617E-01
	2.00000E+00	3.14611E-01
	3.00000E+00	1.21195E-01
	4.00000E+00	0.00000E+00

NOTICE

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