

Parameter	Value
Average value of porosity	0.22
SD of porosity	0.06
Longitudinal dispersivity	1.0 m
Transverse dispersivity	0.1 m
Hydraulic gradient	$0.005 \text{ m m}^{-1}$
Water density	$1.00 \text{ g cm}^{-3}$
PCE density	$1.63 \text{ g cm}^{-3}$
Surfactant density	$1.15 \text{ g cm}^{-3}$
Water viscosity	1.00 cp
PCE viscosity	0.89 cp
PCE–water interfacial tension	$45 \text{ dyn cm}^{-1}$
PCE solubility in water	$240 \text{ mg L}^{-1}$
Residual water saturation	0.24
Residual PCE saturation	0.17
Endpoint of water (BC model)	0.486
Endpoint of PCE (BC model)	0.65
Exponent of water (BC model)	2.85
Exponent of PCE (BC model)	2.7
Exponent of capillary pressure	-0.52