

Table 5.1.1: Chemical/Physical Characteristics of PCE

((United States Environmental Protection Agency (USEPA) 1994))

Melting/Boiling Point	-19° C / 121° C
Vapor Pressure	18.47 mm Hg at 25° C
Relative Vapor Density (air = 1)	5.8
Octanol/Water Partition Coefficient	Log Kow = 3.40
Specific Gravity/ Density	1.62 at 20° C 1.6311 g/mL
Solubility	0.015 g in 100 g of water, low solubility in water
Soil Sorption Coefficient	Log Koc = 665
Bioconcentration Factor	39 (rainbow trout, <i>Oncorhynchus mykiss</i>) 49 (bluegill, <i>Lepomis macrochirus</i>)
Henry's Law Coefficient	1.8×10^{-2} atm m ³ /mol
Biodegradation (days)	Water 60; Soil 120; Sediment 540; Air 96 (PBT profiler)