



Dual Membrane Passive Diffusion Samplers Minimum Required Residence Time

*The minimum residence time for equilibration is dependent on the time required for the well to recover after being disturbed by sampler placement plus the time required for diffusion of the compound through the membrane to equilibrium.

The recommended Minimum Residence Times for DMPDB samplers are listed in the table below. Passive Diffusion Samplers have been shown to maintain dynamic equilibration with the aquifer and represent well concentrations for installations exceeding 1 year. No maximum residence time has been determined and users frequently install a sampler at one sampling event, then recover and replace the sampler at the next event, minimizing mobilization.

Dual Membrane PDB Minimum Residence Time*	
Analyte	Minimum Residence Time
VOCs	14 Days
1,4 Dioxane	14 Days
PFAS	21 Days
Semi-VOCs	21 Days
Metals	21 Days
Inorganics	21 Days