EON PRODUCTS INC.

Passive Sampler Selection Guide

Sampler	Method of Acquisition	Effective Analytes (not all-inclusive)	Exceptions (not all-inclusive)	Sample Volume (2-inch well, based on sampler diameter and length)	Other Considerations
Standard PDB	Diffusion through a membrane into DI Water over time. Maintains Dynamic Equilibrium with Groundwater	Non-polar VOCs, especially Chlorinated Hydrocarbons	Acetone, Butanones, MTBE, 1,4 Dioxane, PFAS, Metals, Inorganic Compounds, Ions and Cations	125ml-750 ml	+Virtually no user-caused variability. +No Turbidity in the sample. +Able to sample at the bottom of the well +Shorter sample interval than HydraSleeve -Only for non-polar VOCs. -2 weeks minimum residence, unlimited maximum
DMPDB	Diffusion through separate membranes into a single, DI water-filled sample chamber over time. Maintains Dynamic Equilibrium with Groundwater	VOCs, Semi-VOCs, Metals, Inorganics, 1,4 Dioxane, PFAS, Ions, Cations,	Specific analytes should be checked.	250ml-700ml	+Sample any dissolved compound. +Virtually no user-caused variability. +Significantly reduced, or no turbidity +Can sample at the bottom of the well. -3* weeks minimum residence, unlimited maximum
HydraSleeve & SuperSleeve	Instantaneous grab & seal sample of water above the initial sampler location.	VOCs, Semi-VOCs, Metals, Inorganics, 1,4 Dioxane, Ions, Cations, and any particulates in the water. HDPE SuperSleeves are being used for PFAS	Sampling for metals in wells with high background turbidity.	125ml-2L	+Samples may be recovered soon after deployment in fast recharge wells. +Sample represent an instant in time. + Can produce larger volume from a single sampler in wells with long saturated screens -Requires longer saturated screen length than PDBs. -Cannot sample bottom 1-2 feet of well (Well and sampler dependent) -Sample interval may vary slightly (~10-20%).

*Contact EON for information on sampler size and volume and for sampler selection assistance. 800-474-2490, info@eonpro.com

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