

Media and Common Analytes Addressed by Technology

Technology	Type of Sampler	Media	Common Analytes									
			VOCs	SVOCs	Metals	Anions	Field Parameters	Explosives	Perchlorate	Hex Cr	Oxygenates MTBE	
Discrete Interval ¹	Thief	GW	All	All	All	All	All	All	All	All	All	All
HydraSleeve™ ²	Thief	GW	All	All	All	All	All	All	All	All	All	All
Kemmerer	Thief	GW/SW	All	All	All	All	All	All	All	All	All	All
Snap™ Sampler ²	Thief	GW/SW	All	All	All	All	All	All	All	All	All	All
Regenerated Cellulose Dialysis Membrane ²	Diffusion	GW	All		Most	All	Some	Most				All
Nylon Screen ²	Diffusion	GW	Most	Most	Most	Most	Most	Most	Most	Most	Most	Most
Passive Vapor Diffusion ²	Diffusion	GW, pore water, soil vapor	Most									
Peeper Samplers (membrane dependent) ²	Diffusion	GW and pore water	Most		Some	Most	Some		Most			
Polyethylene Diffusion Bag ²	Diffusion	GW	Most nonpolar									
Rigid Porous Polyethylene ²	Diffusion	GW	Most	Some	Most	Most			Most	Most		
Chemcatcher	Integrating	SW/GW		Most	Most					Most		
Enviroflux ³	Integrating	GW	Most	Most	Most	Most			All	All	Most	
Semi-Permeable Membrane Device ²	Integrating	GW/SW	Some	Most hydrophobics			Many					
GORE™ ²	Integrating	GW/SW Soil Vapor	All	Most				Most				All
Polar Organic Integrative Sampler ²	Integrating	GW/SW	Some	Most hydrophilics			Many	Many				

¹Study of Five Discrete Interval Type Groundwater Sampling Devices
Parker, Louise and Charles Clark
U.S. Army Corps of Engineers, ERDC/CRREL TR-02-12, 57 pp, 2002

² Technology Overview of Passive Sampler Technologies
ITRC (Interstate Technology & Regulatory Council), DSP-4, 115 pp, 2006

³ The nylon mesh bag is permeable to most chemicals and the sorbent is chosen for site specific chemicals