



ITRC Protocol for Use of Five Passive Samplers to Sample for Variety of Constituents in Groundwater (DSP-5, Feb. 2007)

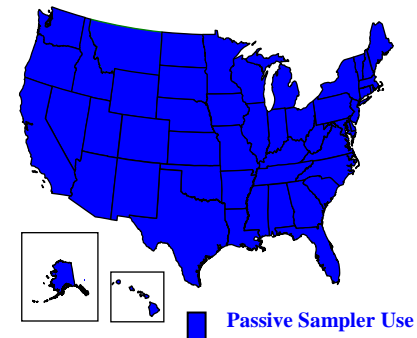
PROBLEM: Passive groundwater sampling devices have been deployed in every State across the country and even worldwide! Currently, there is a lack of national guidance on how to appropriately sample groundwater with Passive Devices; therefore, there is a lack of consistent use and understanding of the devices.

SOLUTION: This Protocol helps Regulators and Consultants understand how to appropriately use the device, operating mechanisms of a device, and the considerations when selecting a device that would help achieve your Data Quality Objective.

"HOW IS YOUR AGENCY ASSESSING THE APPLICATIONS OF THESE PASSIVE SAMPLING DEVICES?"

This National Guidance can be used to:

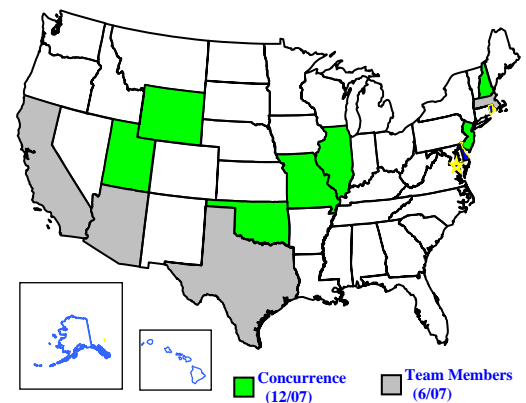
- Promote Agency Consistency when Developing, Assessing, or Critiquing a GW Sampling Event or Proposal;
- Evaluate Use when presented with a GW proposal/data;
 - Internal Source (i.e., fellow regulator);
 - External Source (i.e., consultant);
- Assess Applicability of Technology and Sampling Plan - Good and Bad applications; and,
- Help Streamline/Expedite Review Process.



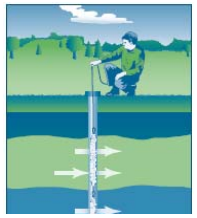
STATE ACTION ITEMS:

The ITRC requests that your State, under the leadership of your ITRC State POC, help:

- Distribute this document within your agency to help staff assess applicability of a Passive GW Sampling;
- Endorse and provide opportunities for staff to attend [FREE](#) Internet Training on Passive GW Sampling;
- Report to ITRC, through State POC, any concerns or successes your agency has had with this Guidance document; and,
- Provide Concurrence* on this Guidance.



(*Agrees to use Guidance Document as a decision-making tool when considering technology alternatives)



ITRC Passive/Diffusion Sampler Team

ITRC Reference Material:

- ITRC Users Guide to Polyethylene-Based Diffusion Bag Sampler to Obtain Volatile Organic Compound Concentrations in Groundwater, DSP-1, 2001.
- ITRC Technical and Regulatory Guidance Document for Using Polyethylene Diffusion Bag Samplers to Monitor for Volatile Organic Compounds in Groundwater, DSP-3, 2004.
- ITRC Technology Overview of Passive Sampler Technologies, DSP-4, 2006.
- ITRC Protocol for Use of Five Passive Samplers to Sample for Variety of Constituents in Groundwater, DSP-5, 2007.

Available upon request or download from Passive/Diffusion Sampler Team Page www.itrcweb.org/Team/Public?teamID=29 under "Resources & Links" or www.itrcweb.org under "Guidance Documents"

ITRC Internet-Based Training (IBT) FAQs for the "Protocol for Use of Five Passive Samplers"

- 2007: Three (3) IBT's with 836 Attendees
- 2008: Three (3) IBT's with 452 Attendees
- 2009: One (1) IBT with 139 Attendees

Archived Training is accessed by:

www.itrcweb.org under "Internet-based Training" or at www.clu-in.org/live/archive

ADDITIONAL CONTACT INFORMATION

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Visit www.itrcweb.org

Downloadable Documents, Free Internet Training, Case Studies, and National Contact Information.