

The Passive Sampling Update Guidance Document combines the previous ITRC Passive Sampling documents (DSP-1, DSP-3. DSP-4, DSP-5) along with updates to the technologies into one comprehensive document that evaluates 24 passive sampling technologies. The document explores the use of these technologies and application of the data gathered to all phases of environmental remediation. This document is intended to be used by regulators and stakeholders currently sampling environmental media at sites undergoing evaluation, remediation, or monitoring for compliance with applicable laws and regulations.

Listed below are a few of the topics of importance in the document that will aid the reader in selection and use of the passive sampling technologies.

The Media section of the document discusses different media types (groundwater, surface water or soil) and how to use the passive sampling technologies appropriately.

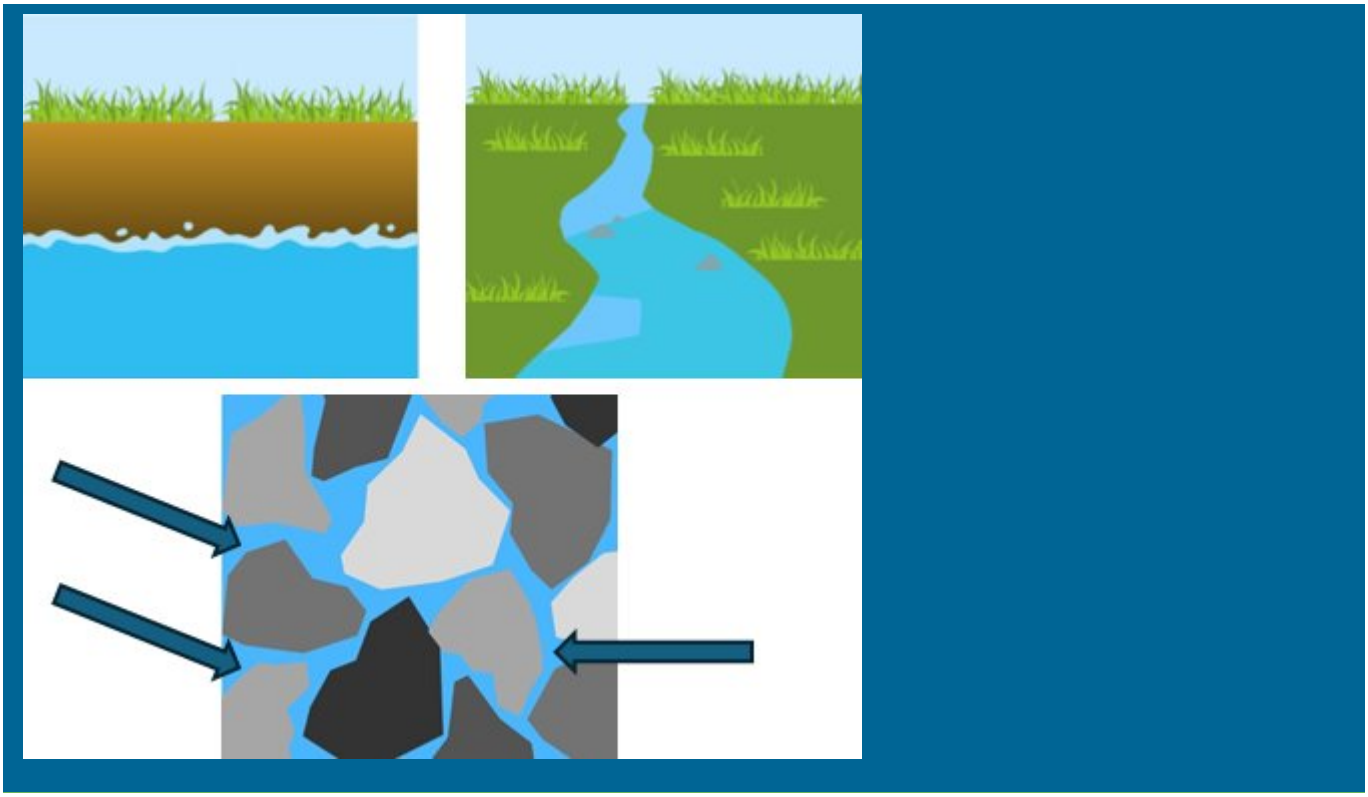
The document has three Analyte Tables (Table 5-1 Passive Grab Sampling, Table 5-2 Passive Equilibration Sampling, and Table 5-5 Passive Accumulation Sampling) that detail the analyte capabilities of the passive sampling technologies within each passive sampling technology type (Grab, Accumulation, and Equilibration). These tables provide the user a quick and easy way to search which sampling technology is most appropriate for your project based on the chemical being sampled.

All of the 24 passive sampling technologies are detailed in Section 5.

A video for each of the passive sampling technologies is also provided. These videos would be useful for any professional looking to learn additional information to aid in the use and selection of one of the passive sampling technologies.

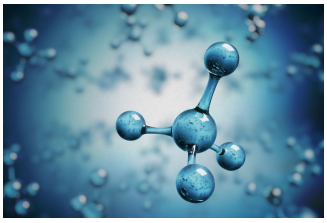
The case studies section provides studies for all of the passive sampling technologies to aid the regulatory acceptance and user acceptability of the technologies.

Media

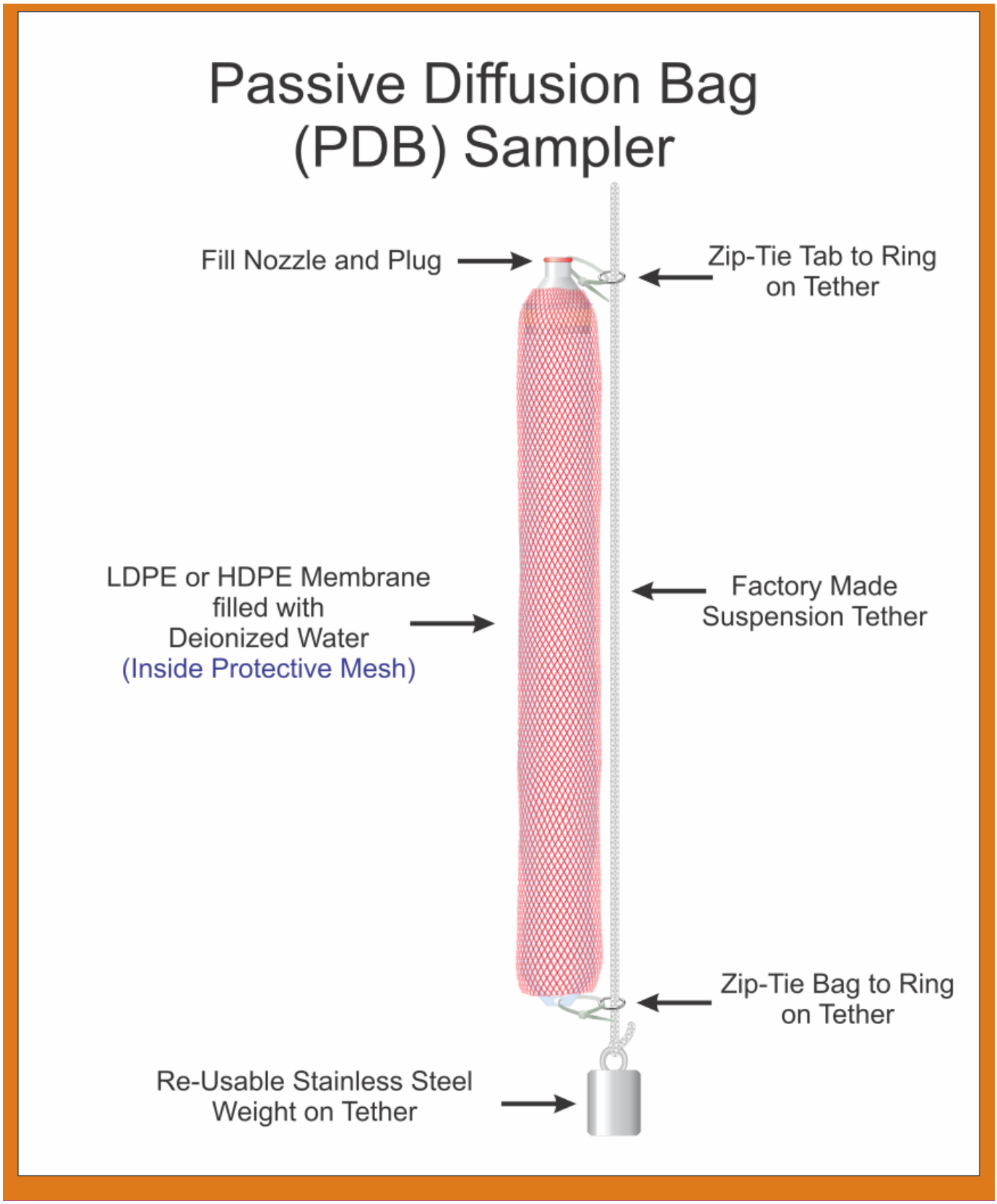


Analytes

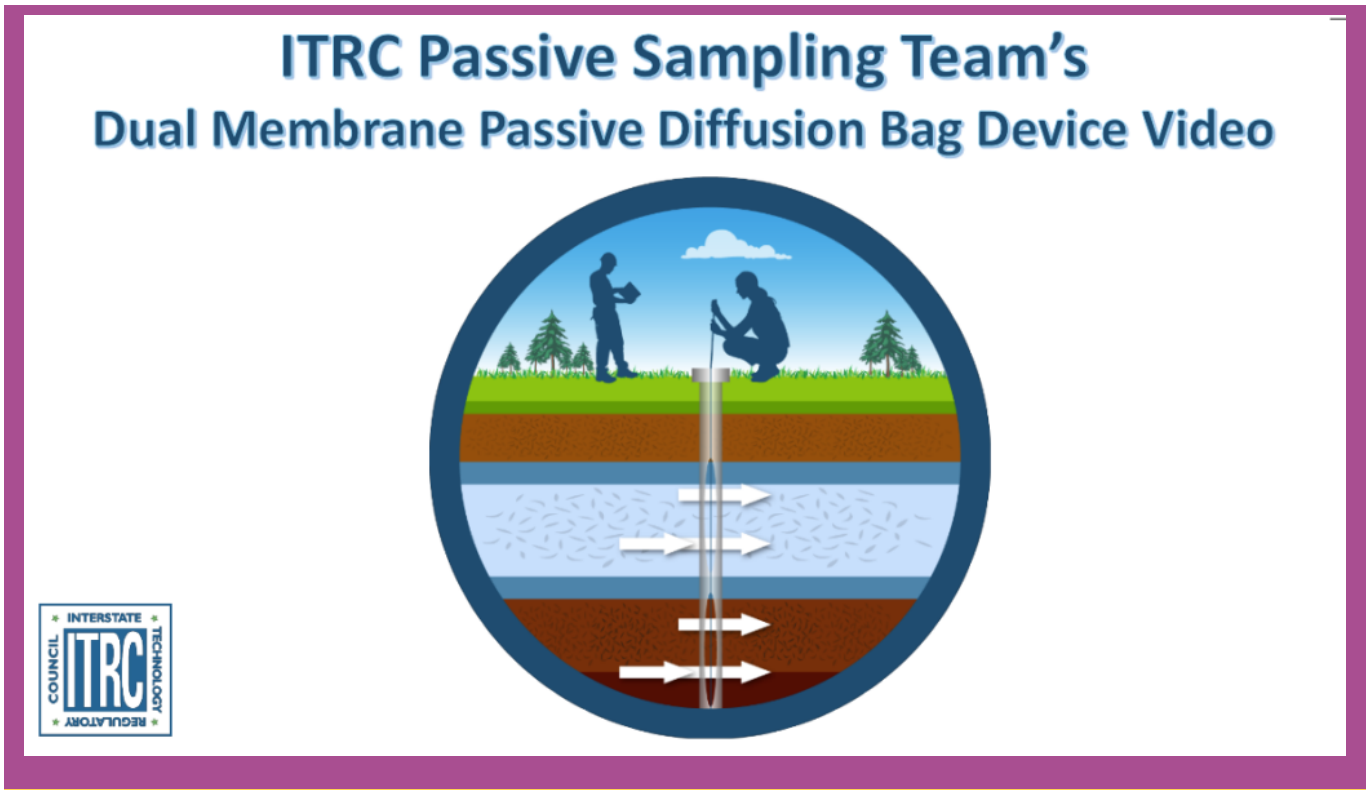
Table 5-1
Table 5-2
Table 5-5



Technologies


Passive Diffusion Bag
(PDB) Sampler
Fill Nozzle and Plug
Zip-Tie Tab to Ring
on Tether
LDPE or HDPE Membrane
filled with
Deionized Water
(Inside Protective Mesh)
Factory Made
Suspension Tether
Zip-Tie Bag to Ring
on Tether
Re-Usable Stainless Steel
Weight on Tether

Videos



Case Studies



⇐ **ONLINE DOCUMENT**: On this web page, use the Table of Contents shown in the left-hand navigation column to select a specific section of interest.

Publication Date: August 2024