



## PFAS and Groundwater Sampling Products

The growing interest in sampling groundwater for PFAS (perfluorinated compounds known as; PFCs, PFAS, PFOS, etc.) having regulatory thresholds as low as single digit parts per trillion, are raising questions about the impact of groundwater sampling equipment and other on-site materials on sample results. Current regulatory and industry efforts are focused on compiling the limited information available into guidance, while independent research and field data collection continues to add to the knowledge-base that will be used to develop future recommendations.

EON has been manufacturing groundwater sampling products for almost 25 years and is an active member of the Interstate Technology Regulatory Council (ITRC) PFAS team. We commercialized the first passive diffusion samplers (PDBs), introduced the HydraSleeve grab sampler and continue to be involved in product development for specialized sampling applications. As part of our commitment to our customers we have been proactive in publicizing the composition of our groundwater monitoring products and testing our passive sampling related products for the presence of PFAS, and for their effectiveness in sampling PFAS.

Because PFAS are virtually everywhere in the environment and because regulatory thresholds are in the low parts per trillion range, recent publications on groundwater sampling for PFAS have included two recommendations;

1. Materials that come in contact with groundwater samples should not contain PFAS in their composition, to avoid leaching of PFAS from the materials into the sample. (high-bias)
2. Materials that come in contact with groundwater samples should not adsorb PFAS, to the extent that PFAS is reduced in the sample. (low-bias)

The preliminary lists of materials suggested for use in groundwater sampling for PFAS include;

- High Density Polyethylene (HDPE)
- Polypropylene
- Silicone
- Stainless steel
- Other materials that do not contain PFAS, and/or have rinsate tested PFAS-Free
- Polyamide (Nylon™)
- Polyvinyl chloride (PVC)
- Rubber
- PFAS-Free deionized water

To assist our customers in their search for appropriate PFAS sampling devices, EON publishes a list of our passive groundwater sampling products and their materials of composition. Our suppliers of raw and finished materials inform us of the composition of their materials and/or whether they are PFAS-Free. We confirm with the manufacturers that PFAS are not part of the material formulations.

In addition to providing material composition data, EON performs rinsate tests on specific groundwater sampling products and accessories we produce, to ensure they are PFAS-Free. Lab results are available and can be included in project Q/C reports.

As the leading developer and provider of passive groundwater sampling products, EON has bench-test data, and comparative field-data on the performance of our passive diffusion samplers for many compounds, including PFAS.

For more information and technical guidance for use of materials and methods for PFAS sampling and please contact us with your questions at 800-474-2490.