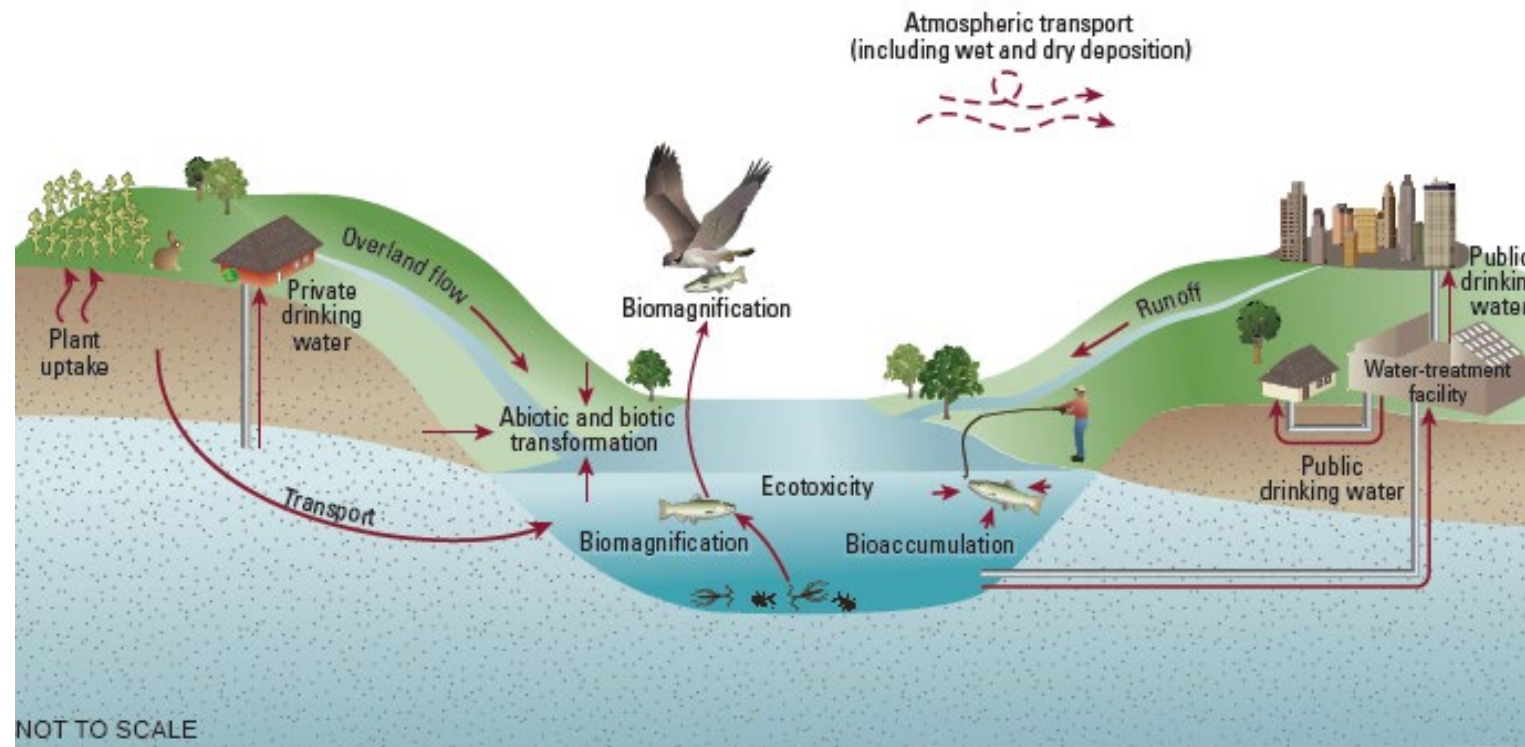


Working Towards Common Analytical and Field Methods and Approaches for PFAS Studies in the Chesapeake Bay- Part 2

Analytical Methods Update and Data Considerations



(figure from Tokranov and others, 2021; USGS Circular 1490, <https://pubs.usgs.gov/circ/1490/cir1490.pdf>)

We face common challenges in a rapidly evolving, complex topic...

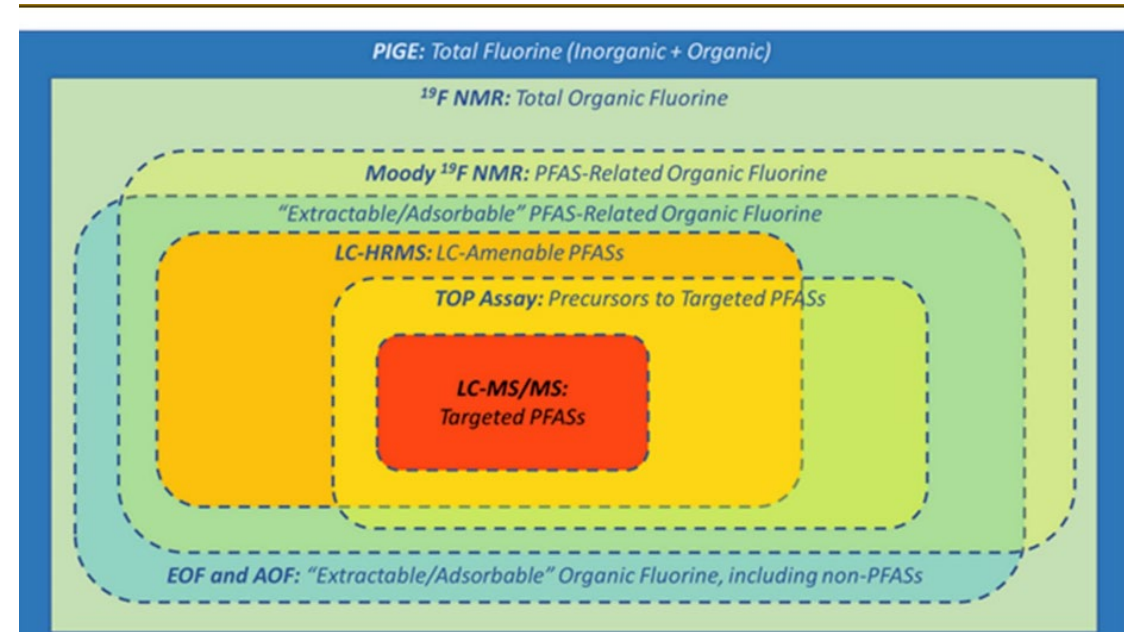
Objectives of quarterly meetings include:

- Knowledge transfer
- Maximize leveraging and collaboration
- Discuss and identify priority areas for unified approaches across the watershed
- Identify tangible ways the CBP partnership (TCW) can assist with promoting consistency



Working Towards Common Analytical and Field Methods and Approaches for PFAS Studies in the Chesapeake Bay- Part 1 (Feb 2023)

- Non-targeted methods incl. TOP/AOF-EOF (Blaney, UMBC)
- Targeted methods (Chai, US EPA Region 3)
- AOF was mentioned in the gaps/needs discussion by multiple members at the August 2023 Quarterly meeting (Land Applied Biosolids), noted assessing feasibility at that time



[McDonough et al., 2019, Curr. Opin. Environ. Sci. Health]

Actionable Recommendations from *Improving Understanding and Coordination of Science Activities for PFAS in the CB Watershed (Smalling and others, 2022)*

Study Design and Approaches

- ❖ *Consider a monitoring network and uniform approaches to directly assess PFAS.*
- ❖ Design studies that relate PFAS occurrence and effects in different land-use settings.

Consistency in Data Collection

- ❖ *Develop and adopt similar methods to better compare data among studies.*
- ❖ Collect standardized data for ecological risk assessments across a range of species to better protect aquatic resources.

Communicate and Collaborate

- ❖ Enhance integration to facilitate broad coordination across the Watershed.
- ❖ Collaborate amongst jurisdictions to develop data needs for fish consumption advisories.

[FINAL_STAC-PFAS-Report.pdf \(d18lev1ok5leia.cloudfront.net\)](https://d18lev1ok5leia.cloudfront.net/FINAL_STAC-PFAS-Report.pdf)

Agenda for today includes...

Technical Presentations:

- Adsorbable organic fluorine (Dan Tettenhorst)
- CWA PFAS methods activities (Bekah Burket)
- USGS PFAS Inventory effort for CBW (Anna McClain)



Working Session Topics

- *Ongoing and Planned Efforts (incl. env. program analytical methods)*
- *Data storage practices and preferences*
- *Interest in data use/data validation conversation*

Opportunities for the TCW/CBP to help

