

This e-mail supports the NAVFAC Environmental Restoration Program with the latest information on policy, guidance, and training related to innovative technologies. Links are provided to Technology Transfer (T2) resources and tools. Our goal is to promote use of innovative technologies, remove barriers to implementing new technologies, and reduce cleanup costs, while remaining protective of the environment and human health.

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## NAVFAC Fact Sheet on Environmental Molecular Diagnostics: Chemical-Based Tools

Environmental molecular diagnostics (EMDs) are a group of advanced techniques used to analyze biological and chemical characteristics of environmental samples. This fact sheet focuses on chemical-based techniques that utilize isotopes to determine if degradation is occurring. The tools covered include compound specific isotope analysis (CSIA), stable isotope probing (SIP), and carbon 14-labeled assays ( $^{14}\text{C}$ ). Two Navy case studies showcase how EMD results can support the cleanup process at CERCLA sites.



View the document at:

[https://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er\\_pdfs/e/EMD%20Chemical%20Tools\\_Fact\\_Sheet\\_June21.pdf](https://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/e/EMD%20Chemical%20Tools_Fact_Sheet_June21.pdf)

## SERDP-ESTCP Webinar Series



Join SERDP-ESTCP for webinars highlighting results from Department of Defense funded research. Several upcoming webinars focus on aqueous film forming foam (AFFF) impacts.

- Managing AFFF Impacts to Subsurface Environments and Assessment of Commercially Available Fluorine-Free Foams - Part 1 [September 9] and Part 2 [September 23]
  - Register for Part 1: [https://zoom.us/webinar/register/WN\\_fKqVllp0TJevPHhGJkBtkA](https://zoom.us/webinar/register/WN_fKqVllp0TJevPHhGJkBtkA)
  - Register for Part 2: [https://zoom.us/webinar/register/WN\\_hQi-3J8GQ\\_auREKwBgUxWA](https://zoom.us/webinar/register/WN_hQi-3J8GQ_auREKwBgUxWA)
- Forensic Techniques for Differentiating PFAS Sources [December 9]
  - Register at: [https://zoom.us/webinar/register/WN\\_ODIm-FjVRbGQrb6e5LMzQw](https://zoom.us/webinar/register/WN_ODIm-FjVRbGQrb6e5LMzQw)

## Interstate Technology and Regulatory Council (ITRC) Training

ITRC produces training to support increased technical knowledge and to expedite quality regulatory decision making, while protecting human health and the environment. ITRC's upcoming webinars cover important topics including vapor intrusion mitigation (September 14, 28), bioavailability (September 16), and 1,4-dioxane remediation (September 30). To register for these free webinars, please visit the link below:



<https://itrcweb.org/events/calendar>