

This e-mail is supported by NAVFAC's Alternative Restoration Technology Team (ARTT) to provide links to Technology Transfer (T2) tools and the latest information on policies, guidance, and training related to innovative technologies. The T2 topics highlighted in this issue will help support the ARTT's chartered goals of promoting the use of innovative technologies, removing barriers to implementing new technologies, and reducing cleanup costs, while remaining protective of the environment and human health.

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The Environmental Restoration and BRAC (ERB) Website is migrating to a new NAVFAC portal. Links to ERB products may not work after the migration has been completed at the end of August. Please look for the new, updated ERB link in a future T2 Update email!

Investigating Vapor Intrusion: Portable GC/MS Video

Portable gas chromatograph/mass spectrometer (GC/MS) technology can be a valuable tool for supporting vapor intrusion (VI) investigations. This video reviews the instrument components, set up, calibration, and valuable uses of the portable GC/MS for indoor air measurements during VI investigations. GC/MS technology can:

- Provide on-site analysis of indoor air for volatile organic compounds (VOCs) that have low detection limits,
- Determine the spatial distribution of VOCs in a room or building in real time,
- Use real-time results to guide collection of additional canister or passive samples,
- Support identification of indoor sources of VOCs such as adhesives, degreasers, paint, or solvents, and
- Identify vapor entry points such as floor drains that contribute to elevated indoor air VOC levels.



The video also presents case studies where portable GC/MS was successfully used to support VI studies at DoD facilities.

To access the video on portable GC/MS, click here:

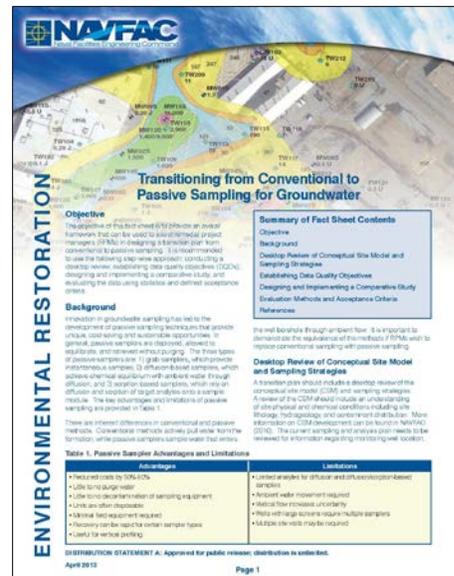
http://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_videos/vi/portable_gcms_v3.wmv

Transitioning from Conventional to Passive Sampling for Groundwater - Fact Sheet

Passive groundwater sampling techniques can provide innovative, cost-saving, and sustainable solutions for groundwater monitoring, but certain steps must be taken to ensure a smooth transition from conventional to passive sampling. NAVFAC's new fact sheet provides a framework for remedial project managers (RPMs) to use in designing a transition plan with discussion of the following steps:

- Conduct a desktop review of conceptual site model and sampling strategies,
- Establish data quality objectives (DQOs),
- Design and implement a comparative study, and
- Evaluate the data using statistics and defined acceptance criteria.

Links to useful reference materials are also provided.



Click on the link below to view the fact sheet:

http://www.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/t/navfacexwc-ev-tds-1305-gw-passive-201304.pdf

Passive Sampler Webinar – Monday, August 26, 2013, 2:00 PM to 4:00 PM EDT

The EPA is offering a webinar titled “The Use of Passive Samplers to Monitor Organic Contaminants at Superfund Sediment Sites,” similar to the Spring RITS topic. This webinar will introduce the concepts behind passive sampling, the types of passive samplers currently available to monitor dissolved organic contaminants, and the general methods for deployment and analysis. Please pass on to any interested stakeholders.



Course information and registration can be found at:

[http://www.clu-in.org/training/#The Use of Passive Samplers to Monitor Organic Contaminants at Superfund Sediment Sites 20130826](http://www.clu-in.org/training/#The_Use_of_Passive_Samplers_to_Monitor_Organic_Contaminants_at_Superfund_Sediment_Sites_20130826)