

Exploring Alternative Ways to Sample Drinking Water: University of Arkansas Civil Engineering Ph.D. Student Samuel Hodges Publishes Research



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The Arkansas Water Resources Center Winter 2022 E-Newsletter published an article titled:

Ph.D. Student Sam Hodges Exploring Alternative Ways to Sample Drinking Water

The article states that University of Arkansas Department of Civil Engineering Ph.D. student Samuel Hodges has been researching:

. . . grab sample alternatives to sampling drinking water.

The title of Mr. Hodges' project is:

Development of a Diffusive Gradients in Thin-Films Passive Sampler for Drinking Water Disinfection By-Products

Mr. Hodges' advisor is Dr. Julian Fairey.

The Arkansas Water Resources article notes that Mr. Hodges and Fairey are working on passive samplers for drinking water utilities. The article notes the importance of the work, stating:

Water utilities have to keep an eye on disinfection by-products in drinking water. These chemicals form during water treatment when disinfectants and organic matter react. Water utilities use grab samples at present, but a time-weighted-average sampling approach may provide more applicable data for monitoring. . .

A copy of the article can be found [here](#).