

1,4-DIOXANE

Test Description	Determination of 1,4-Dioxane in water.
Test Use	Useful for evaluating 1,4-Dioxane in potable and non-potable waters.
Test Department	Organic Chemistry: Phone 860-920-6581/6666 Fax 860-920-6703
Methodology	Capillary Column GC/MS-SIM
Availability	Year-round
Sample Requirements	Three (3) 40-mL samples Two (2) Field Reagent Blanks per collection trip
Container type /Preservative	40-mL non-preserved amber glass red cap vials with PTFE liners.
Collection Instructions (Note 1)	For taps, remove aerators and let water run 4-5 minutes. For outdoor locations, sampling location should be in accordance with a preapproved quality assurance project plan.
Sample Holding Time & Transport	Samples must be maintained at $4^{\circ}\pm 2^{\circ}\text{C}$ from collection to analysis, and must be analyzed within 14 days of collection.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Samples beyond the 14-day holding time. Improper collection/container/preservative.
Requisition Form	Use the Organics/Radiation Water Examination request form.
Required Information	Fill out entire requisition form.
Limitations	Collected sample vials must be free of any air bubbles.
Additional Comments	

Note 1: See *New England States Environmental Sampling Guide*, latest edition.

<https://www.epa.gov/sites/production/files/2015-06/documents/NE-States-Sample-Collection-Manual.pdf>