

PHOSPHOROUS	
Test Description	Determination of total phosphorous in water.
Test Use	Useful for evaluating total phosphorous in drinking, ground, and surface waters; domestic and industrial wastes.
Test Department	Inorganic Chemistry: Phone 860-920-6666/6667 Fax 860-920-6670
Methodology	EPA Method 365.1: Automated Colorimetry
Availability	Year-round
Sample Requirements	One (1) sample collected in a pre-cleaned plastic Chem Bottle.
Container type /Preservative	½ Gallon Chem Bottle Sulfuric Acid preservative to achieve $\text{pH} \leq 2$
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 are iced or refrigerated and kept at $4^{\circ} \pm 2^{\circ}\text{C}$ from time of collection until analysis. Preserved samples must be analyzed within 28 days of collection.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Preserved samples received beyond the 28-day holding time.
Requisition Form	Use the Inorganic Chemistry form (Drinking Water, Stream Survey, or Non-Potable Water) as appropriate to the type of water collected.
Required Information	Fill out entire requisition form.
Limitations	
Additional Comments	Samples can be acid-preserved at time of collection, or in the laboratory upon receipt.

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>