

TURBIDITY	
Test Description	Determination of Turbidity (haziness/cloudiness caused by suspended particulates) in water.
Test Use	Useful for evaluating Turbidity in drinking, ground, surface, saline waters; domestic and industrial wastes.
Test Department	Inorganic Chemistry: Phone 860-920-6666/6667 Fax 860-920-6670
Methodology	EPA Method 180.1: Nephelometry
Availability	Year-round
Sample Requirements	One (1) sample collected in a pre-cleaned plastic Chem Bottle.
Container type /Preservative	½ Gallon Chem Bottle No Preservative
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°±2°C from time of collection until analysis. Samples must be analyzed within 48 hours of collection.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 48-hour 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	The presence of floating debris and coarse sediments which settle out rapidly will give low readings. Finely divided air bubbles can cause high readings. The presence of true color, that is the color of water which is due to dissolved substances that absorb light, will cause turbidities to be low, although this effect is generally not significant with drinking waters. To ensure processing within the holding time, drinking water samples with a holding time ≤ 48 hours must be submitted by Noon Friday and the day before a Holiday.
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>