

<b>INORGANIC ANIONS</b>	
<b>Test Description</b>	Determination of inorganic ions in water.
<b>Test Use</b>	Useful for evaluating potable and non-potable waters.
<b>Test Department</b>	Inorganic Chemistry: Phone 860-920-6666/6667 Fax 860-920-6670
<b>Methodology</b>	EPA Method 300.0: Ion Chromatography
<b>Availability</b>	Year-round
<b>Sample Requirements</b>	One (1) sample collected in a pre-cleaned 250-mL plastic bottle.
<b>Container type /Preservative</b>	250-mL plastic bottle. No preservative required for individual anions.
<b>Collection Instructions (Note 1)</b>	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. Fill bottle to shoulder.
<b>Sample Holding Time &amp; Transport</b>	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 for Nitrate-N, Nitrite-N, and O-Phosphate-P. All other anions must be analyzed within 28 days of collection.
<b>Unacceptable Conditions</b>	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 48-hour/28-day holding time (see above).
<b>Requisition Form</b>	Use the Inorganic Chemistry form (Drinking Water, Stream Survey, or Non-Potable Water) as appropriate to the type of water collected.
<b>Required Information</b>	Fill out entire requisition form.
<b>Limitations</b>	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.
<b>Additional Comments</b>	The CT PHL can use this method to determine the following anions: Fluoride Chloride Nitrate-Nitrogen Nitrate-Nitrogen Ortho-Phosphate as P Sulfate

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>