

<b>RADON 222</b>	
<b>Test Description</b>	Determination of Radon 222 (Rn222) radioactivity, in drinking water and other water sources.
<b>Test Use</b>	Useful for measuring Rn222 in drinking water and other water sources.
<b>Test Department</b>	Radiochemistry: Phone 860-920-6668/6669 Fax 860-920-6670
<b>Methodology</b>	EPA Method 913.0 and ASTM D5072-09: Liquid Scintillation
<b>Availability</b>	Year-round
<b>Sample Requirements</b>	One (1) sample collected in a Teflon-lined cap One (1) Duplicate sample is strongly suggested
<b>Container type /Preservative</b>	125 mL narrow-mouth bottle with Teflon-lined cap collected to overcapacity (no air bubbles or headspace) or 40 mL vial with Teflon-lined cap using laboratory supplied radon-in water kit (20 mL borosilicate clear class vial w/10 mL of mineral Oil scintillator. No Preservative
<b>Collection Instructions (Note 1)</b>	Samples are collected from a non-aerated faucet or spigot to minimize desorption of radon.
<b>Sample Holding Time &amp; Transport</b>	Samples must be analyzed within 5 days from collection. Rn222 half-life is 3.8 days.
<b>Unacceptable Conditions</b>	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 8 days of collection. Improper container.
<b>Requisition Form</b>	Use the Organic/Radiation Chemistry requisition form.
<b>Required Information</b>	Fill out entire requisition form.
<b>Limitations</b>	Samples will be rejected if received past the 5 days of collection or improperly collected.
<b>Additional Comments</b>	

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>