

<b>RADIUM-226 &amp; RADIUM-228</b>	
<b>Test Description</b>	Determination of two isotopes of the radioactive element Radium in drinking water.
<b>Test Use</b>	Useful for measuring <sup>226</sup> Ra and <sup>228</sup> Ra in drinking water.
<b>Test Department</b>	Radiochemistry: Phone 860-920-6668/6669 Fax 860-920-6670
<b>Methodology</b>	EPA Method 903.0 for <sup>228</sup> Ra; EPA Method 904.0 for <sup>226</sup> Ra
<b>Availability</b>	Year-round
<b>Sample Requirements</b>	For Liquid Samples: One (1) sample collected in a pre-cleaned plastic or glass Chem Bottle. One (1) Field Blank per collection trip
<b>Container type /Preservative</b>	For liquid samples: ½ gallon plastic or glass Chem Bottle No Preservative
<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.
<b>Sample Holding Time &amp; Transport</b>	Samples must be received by the lab within 5 days of collection, unless it has been acidified by the collector. An acidified sample can be analyzed up to a holding time of 6 months.
<b>Unacceptable Conditions</b>	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 5-day holding time, if not acidified.
<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 by the lab more than 5 days after collection, if not acidified. Samples may be analyzed up to a holding time of 6 months if they have been acidified either in the field or at the laboratory within 5 days of collection.
<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>