

RADIOACTIVE STRONTIUM	
Test Description	Determination of total Strontium, soluble Strontium-89 and soluble Strontium-90 in drinking water.
Test Use	Useful for measuring ⁸⁹ Sr and ⁹⁰ Sr in drinking water.
Test Department	Radiochemistry: Phone 860-920-6668/6669 Fax 860-920-6670
Methodology	EPA Method 905.0
Availability	Year-round
Sample Requirements	One (1) sample collected in a pre-cleaned plastic or glass Chem Bottle. One (1) field blank per sampling trip if sample is acidified in the field or by the collector.
Container type /Preservative	½ gallon plastic or glass 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 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.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 5-day holding time, if not acidified.
Requisition Form	Use the Organic/Radiation Chemistry requisition form.
Required Information	Fill out entire requisition form.
Limitations	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.
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>