

GROSS ALPHA/BETA RADIOACTIVITY	
Test Description	Determination of alpha and beta particle activities in drinking water.
Test Use	Useful for screening and monitoring water supplies, and thereby determining the necessity for further analysis.
Test Department	Radiochemistry: Phone 860-920-6668/6669 Fax 860-920-6670
Methodology	EPA Method 900.0
Availability	Year-round
Sample Requirements	For Liquid Samples: One (1) sample collected in a pre-cleaned plastic or glass Chem Bottle. One (1) Field Blank per collection trip
Container type /Preservative	For liquid samples: 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>