

Tritium (as tritiated water) in water

An aliquot of the water sample was made alkaline and sodium thiosulphate was added. The water was then distilled at low temperature to remove both radioactive and non-radioactive interferences. An aliquot of the distillate was measured in a liquid scintillation counter to determine the tritium content. Tritiated water of known activity concentration was used to determine the counting efficiency.