

**IF YOU HAVE TRITIUM IN WATER & OIL MIXTURES:
WE RECOMMEND THIS STRATEGY FOR MEASUREMENT OF TRITIUM**

STRATEGY

Tritium is radioactive hydrogen, and hydrogen atoms regularly jump or exchange between different adjacent molecules.

In a mixture of normal water mixed with tritiated oil, both components will, over time, share the Tritium equally.

In **LIQUID** Samples, this allows a separation strategy, in which we,

1. Pull a sample from the mixture
2. Run this sample through a oil-water separator
3. Collect the relatively clean water
4. Pull this water into the SSS-33M81 tritium measurement flow cell
5. Get a good reading
6. Without contaminating or degrading the cell

In **GASEOUS** Samples, the same principles apply.

1. A vapor separation system is utilized.
2. A [PTG-9](#) Tritium Measurement Ion Chamber is used to make the measurements.

**PLEASE CONTACT US WITH INFORMATION ON YOUR SITUATION.
WE WILL ADVISE &/OR QUOTE ON A SUITABLE SYSTEM TO OBTAIN YOUR
OBJECTIVE.**



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