



Instructions for Catalog # 566 Massachusetts VPH in Water

Revision 040307

Description:

- This standard is packaged in a 2 mL flame-sealed ampule containing approximately 2 mL of standard concentrate.
- This concentrate is not preserved.
- The solvent for this concentrate is Methanol.
- The concentrate should be stored at $4\pm 2^{\circ}\text{C}$.
- The standard contains an appropriate Volatile Petroleum Hydrocarbon (VPH) in the concentration range of 200-4,000 $\mu\text{g/L}$ intended for evaluation of the Massachusetts VPH method for the following analytes:

C₅-C₈ Aliphatics (MA VPH)
C₉-C₁₀ Aromatics (MA VPH)
C₉-C₁₂ Aliphatics (MA VPH)

C₅-C₈ Aliphatics (unadjusted)
C₉-C₁₂ Aliphatics (unadjusted)

Benzene in VPH
Ethylbenzene in VPH
tert-Butyl methyl ether (MTBE) in VPH
Naphthalene in VPH

Toluene in VPH
o-Xylene in VPH
m&p-Xylene in VPH
Xylenes, Total in VPH

Helpful Hints:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- As the diluted standard is not stable, it must be analyzed immediately after the concentrate is diluted.

Instructions:

Purge and Trap analysis:

1. Add 100 mL of organic free, deionized water to a clean 100 mL class A volumetric flask.
2. Carefully snap the top off of the Massachusetts VPH in Water ampule.
3. Using a 100 μL syringe, transfer 100 μL of the concentrate below the surface of the water in the flask.
4. Cap the flask and mix by inverting two or three times.
5. Immediately analyze the diluted standard per your normal procedure.

Stability:

If an expiration date is not printed on the DataPacK™ certification sheet, the stability of this standard is unconditionally guaranteed for 1 year from date of receipt.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.