

Hydrocarbon Standards

For Environmental Monitoring

Petroleum hydrocarbon contamination in water and soil is increasingly common around the world. Gas chromatography is one of the most used analytical techniques for quantitative analysis of hydrocarbons in environmental samples. For this technique, the accuracy of results is directly correlated to the quality of the standards used for instrument calibration. The Chem Service range of hydrocarbon reference materials can help you achieve the highest accuracy and reliability for your analysis.



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- ▶ Mixtures for standard industry methods including EPA and U.S. state requirements
- ▶ Convenient 1 mL, 5 mL, and 10 mL sizes
- ▶ CRMs and RMs available, including the following product families:
 - ▶ Diesel Range Organics (DRO)
 - ▶ Gasoline Range Organics (GRO)
 - ▶ Extractable Petroleum Hydrocarbons (EPH)
 - ▶ Total Petroleum Hydrocarbons (TPH)
 - ▶ Volatile Petroleum Hydrocarbons (VPH)
 - ▶ PCB Mixtures
 - ▶ Volatile Organic Compound
 - ▶ Mercaptans

Description	Size	Part Number
PCBs		
PCB Mixture - 525.1	1 mL	M-PCB5251B1-1ML
Extractable Petroleum Hydrocarbons		
Massachusetts EPH - Combined Aromatic/Aliphatic Fractionation	1 mL	M-USTFRMA1AE2-1ML
Massachusetts EPH Matrix Spike Mixture	1 mL	M-USTMSMA1B1-1ML
Massachusetts/Washington EPH Surrogate Spiking Mixture	1 mL	M-USTSSMA2B5-1ML
Washington EPH Aliphatic Hydrocarbon Standards Mixture	1 mL	M-USTALWA1J4-1ML
Gasoline Range Organics & Diesel Range Organics		
Alaska GRO Alkane Standards Mixture	1 mL	M-USTGAK1M5-1ML
Alaska GRO Surrogate Control Standards Mixture	1 mL	M-USTGSSAK1M7-1ML
Wisconsin PVOC/GRO Mixture #1	1 mL	M-USTWI1M4-1ML
Arizona DRO/GRO Range Calibration Standards Mixture	1 mL	M-CSAZ2X5-1ML
Diesel Range Organics #1 - GRO/DRO	1 mL	M-TPH5X5-1ML
Diesel Range Organics Mixture #2 - GRO/DRO	1 mL	M-TPH6X4-1ML
Gasoline Additives Mixture #2 - GRO/DRO	1 mL	M-GADM2M4-1ML
Gasoline Range Organics #1 - GRO/DRO	1 mL	M-TPH3M4-1ML
Gasoline Range Organics #2 - GRO/DRO	1 mL	M-TPH4M99-1ML
Petrochemical Calibration Mixture #1 - (ASTM D2887) - GRO/DR	1 mL	M-PCM1-1ML
Petroleum Hydrocarbons Reference Oil Mixture - GRO/DRO - 418	10 mL	M-TPH4181-10ML
Purgable Volatile Organic Compounds #1 - GRO/DRO	1 mL	M-TPH1M4-1ML
Total Petroleum Hydrocarbons & Volatile Petroleum Hydrocarbons		
Florida Total Petroleum Hydrocarbon Standards Mixture - TPH	1 mL	M-TPH7J3-1ML
LUST Retention Time Standards Mixture - TPH	1 mL	M-TPH8X18-1ML
Massachusetts VPH Primary Dilution Standard Mixture (no Surr)	1 mL	M-USTVPHMA2M99-1ML
Massachusetts VPH Primary Dilution Standard Mixture (with Surr)	1 mL	M-USTVPHMA1M99-1ML
Washington VPH Matrix Spiking Mixture	1 mL	M-USTMSWAV1M0-1ML
Washington VPH Primary Dilution Standard Mixture (no Surr)	1 mL	M-USTVPHWA2M5-1ML

Description	Size	Part Number
Washington VPH Primary Dilution Standard Mixture (with Surr)	1 mL	M-USTVPHWA1M5-1ML
Additional Available Standards		
BTEX & MTBE Mixture	1 mL	M-MBTEx1M5-1ML
Pennsylvania DER Gasoline Range Hydrocarbons Mixture	1 mL	M-USTGRHPA1M4-1ML
Pennsylvania Extractable Polynuclear Aromatic Hydrocarbons	1 mL	M-USTPAHPA1X5-1ML
Pennsylvania Volatile Petroleum Hydrocarbon Standards Mixture	1 mL	M-USTVPPA1M99-1ML
Revised Purgeable Volatile Organic Compounds Mixture #1A (WI)	1 mL	M-TPH1AM5-1ML
RF-A Gasoline (Technical)	1 g	N-13179-1G
Volatile Aromatic Compounds Mixture - 503/502/524	1 mL	M-VAVOC503M2-1ML
Volatile Organic Compounds-Mixture	1 mL	M-VOC1M1-1ML
Volatile Organics High Concentration Mixture #6	1 mL	M-VOHC6M5-1ML