

UOP content includes:

– **Petroleum Distillates**

Doctor test, fractionation, disulfide sulfur, sodium by ICP-OES or AAS, chlorides by microcoulometry, color stability, and more.

– **Liquid Hydrocarbons**

Hydrogen sulfide and mercaptan sulfur, nitrogen bases, bromine number and index, water by coulometry, trace non-aromatics, C6 and lower boiling hydrocarbons in naphthas, inorganic and organic chlorides, dissolved molecular oxygen by electrochemical detection, oxygen by pyrolysis, chloride by dry colorimetry, mercury and mercury species, and more.

– **Gas Chromatography**

Impurities in styrene, trace CO and CO₂ in hydrogen and light gases, boiling point distribution, aromatics in hydrocarbons, normal paraffins, organic analysis of distillate by comprehensive two dimensional GC with flame ionization detection, trace propadiene and methyl acetylene impurities in polymer grade propylene, trace methyl mercaptans, trace carbonyl sulfide in ethylene, arsine and phosphine in ethylene and propylene, and many more.

– **Catalysts**

Bulk density of fluid cracking, platinum in fresh catalyst, chloride in alumina and silica-alumina by microwave digestion, impurities by ICP-OES, fines by sieve analysis, sodium by AAS, Soxhlet extraction, hydrogen fluoride alkylation and regenerator bottoms, carbon by induction furnace combustion, packed apparent bulk density (ABD) of extruded catalyst, fluoride, palladium, gold, nickel, tungsten, and potassium in catalysts, and many more.

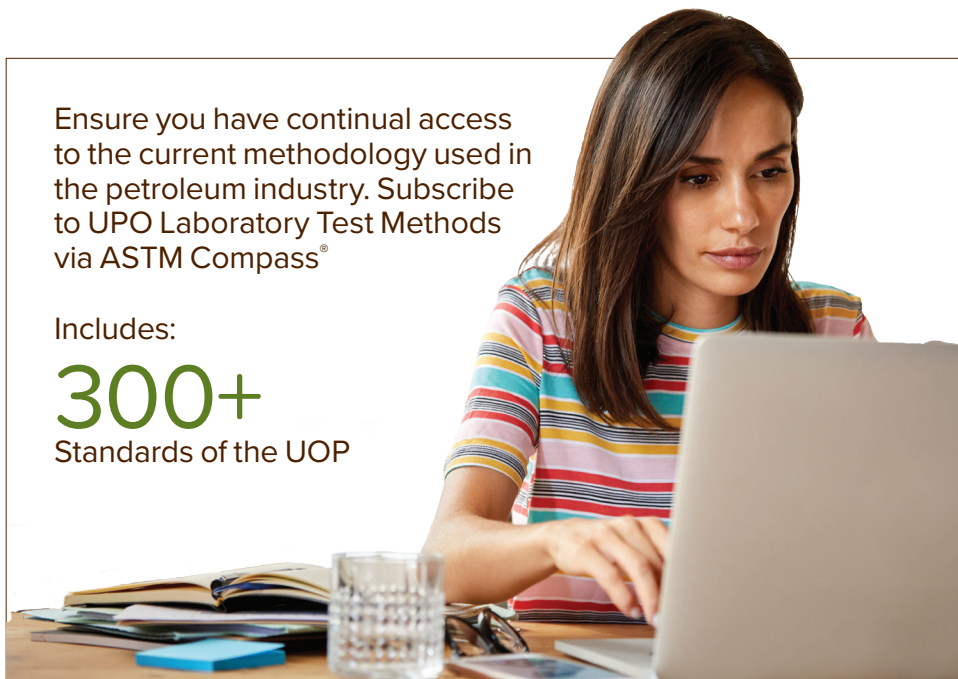
– **Liquified Petroleum Gases (LPG)**

Disulfide sulfur, free sulfur by mercury number, sulfur components by GC-SCD, trace hydrocarbons by GC, chlorides by microcoulometry, nitrogen by chemiluminescence, nitrogen by IC, BTEX impurities, and many more.

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For more information, contact David de la Garza

ddelagarza@astm.org | tel +1.610.832.9504 | www.astm.org