



ASTM D2887 Boiling Range Distribution of Petroleum Fractions by GC

Total Petroleum Hydrocarbons (C₈ - C₂₀)

TPH-LOW-01

TPH-LOW-01-PAK

500 µg/mL each in Chloroform

SAVE

1 x 1 mL

5 x 1 mL

13 comps.



n-Octane
n-Nonane
n-Decane
n-Undecane
n-Dodecane
n-Tridecane
n-Tetradecane

n-Pentadecane
n-Hexadecane
n-Heptadecane
n-Octadecane
n-Nonadecane
n-Eicosane

UPDATED

Total Petroleum Hydrocarbons (C₈ - C₃₀)

TPH-MID-01

TPH-MID-01-PAK

500 µg/mL each in Chloroform

SAVE

1 x 1 mL

5 x 1 mL

25 comps.



n-Octane
n-Nonane
n-Decane
n-Undecane
n-Dodecane
n-Tridecane
n-Tetradecane
n-Pentadecane
n-Hexadecane

n-Heptadecane
n-Octadecane
Pristane
n-Nonadecane
Phytane
n-Eicosane
n-Heneicosane
n-Docosane

n-Tricosane
n-Tetracosane
n-Pentacosane
n-Hexacosane
n-Heptacosane
n-Octacosane
n-Nonacosane
n-Triacontane

UPDATED

Calibration Mixture (C₆ - C₄₄)

DRH-002N

DRH-002N-10X

At stated Wt. %

100 mg

1 gm

17 comps.

n-Hexane 6
n-Heptane 6
n-Octane 8
n-Nonane 8
n-Decane 12
n-Undecane 12
n-Dodecane 12
n-Tetradecane 12
n-Hexadecane 10

n-Octadecane 5
n-Eicosane 2
n-Tetracosane 2
n-Octacosane 1
n-Dotriacontane 1
n-Hexatriacontane 1
n-Tetracontane 1
n-Tetratetracontane 1

Hydrocarbon Window Defining Standard (C₈ - C₄₀)

DRH-008S-R2

DRH-008S-R2-PAK

500 µg/mL each in Chloroform

SAVE

1 x 1 mL

5 x 1 mL

35 comps.



n-Octane
n-Nonane
n-Decane
n-Undecane
n-Dodecane
n-Tridecane
n-Tetradecane
n-Pentadecane
n-Hexadecane
n-Heptadecane
n-Octadecane
Pristane

n-Nonadecane
Phytane
n-Eicosane
n-Heneicosane
n-Docosane
n-Tricosane
n-Tetracosane
n-Pentacosane
n-Hexacosane
n-Heptacosane
n-Octacosane
n-Nonacosane

n-Triacontane
n-Hentriacontane
n-Dotriacontane
n-Tritriacontane
n-Tetracontane
n-Pentatriacontane
n-Hexatriacontane
n-Heptatriacontane
n-Octatriacontane
n-Nonatriacontane
n-Tetracontane

Calibration Solution (C₆ - C₄₄)

DRH-002S-R1

DRH-002S-R1-PAK

At stated conc. (µg/mL) in Chloroform

SAVE

1 x 1 mL

5 x 1 mL

17 comps.



n-Hexane 600
n-Heptane 600
n-Octane 800
n-Nonane 800
n-Decane 1200
n-Undecane 1200
n-Dodecane 1200
n-Tetradecane 1200
n-Hexadecane 1000

n-Octadecane 500
n-Eicosane 200
n-Tetracosane 200
n-Octacosane 100
n-Dotriacontane 100
n-Hexatriacontane 100
n-Tetracontane 100
n-Tetratetracontane 100

Calibration Solution (C₅ - C₄₄)

DRH-002S-R2

DRH-002S-R2-PAK

0.1 Wt. % each in Chloroform

SAVE

1 x 1 gm

5 x 1 gm

20 comps.



n-Pentane
n-Hexane
n-Heptane
n-Octane
n-Nonane
n-Decane
n-Undecane
n-Dodecane
n-Tetradecane
n-Pentadecane

n-Hexadecane
n-Heptadecane
n-Octadecane
n-Eicosane
n-Tetracosane
n-Octacosane
n-Hexatriacontane
n-Tetracontane
n-Dotriacontane
n-Tetratetracontane

Fuel Oil Degradation / Retention Time Mix for Quantification of C₁₇ / Pristane & C₁₈ / Phytane ratios

DRH-005S-10X

2.0 mg/mL each in CH₂Cl₂:CS₂ (50:50)

1 x 1 mL

4 comps.

DRH-005S-R1-10X

DRH-005S-R1-10X-PAK

2.0 mg/mL each in Chloroform

SAVE

1 x 1 mL

5 x 1 mL

4 comps.

Heptadecane
Octadecane

Phytane (2,6,10,14-Tetramethylhexadecane)
Pristane (2,6,10,14-Tetramethylpentadecane)

Technical Note

Pristane and phytane are included in the hydrocarbon window defining standard with C₈ - C₄₀ odd and even alkanes. Measuring the C₁₇ / pristane and C₁₈ / phytane ratios can be used to estimate fuel oil degradation. Fuel oil degradation mix containing four required analytes to determine the C₁₇ / pristane and C₁₈ / phytane ratio is (DRH-005S-10X).

Column Test Mixture

D-2887

10 mg/mL in *n*-Octane

1 x 1 mL

2 comps.

n-Hexadecane

n-Octadecane

Reference Gas Oil Sample Lot #2

D-2887-REFOIL

1 x 1 mL



Reformulated to ship by Air