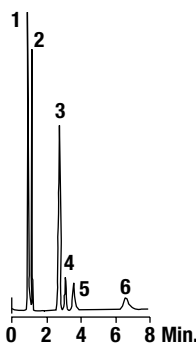


Gases

C1-C2 Hydrocarbons

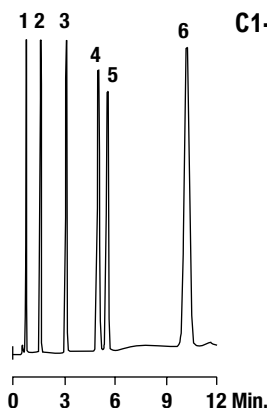


1. Air
2. Methane
3. Carbon Dioxide
4. Ethylene
5. Ethane
6. Acetylene

Column: 5ft x 1/8" o.d., SS (Custom Part No. C-5000*)
Packing: HayeSep® T, 80/100 (Part No. 2813)
Temp: 32°C
Carrier Gas: Helium at 30mL/min
Detector: TCD at 180°C

*Custom column. Must specify dimensions, packing and GC.

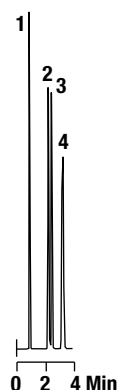
C1-C5 Paraffins



1. Methane (0.1894%)
2. Ethane (0.0965%)
3. Propane (0.0989%)
4. Isobutane (0.1019%)
5. Butane (0.1019%)
6. n-Pentane (0.2002%)

Column: 10ft x 1/8" o.d., SS (Part No. 28301PC)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 120°C to 200°C at 20°C/min
Carrier Gas: Helium at 35mL/min
Detector: FID

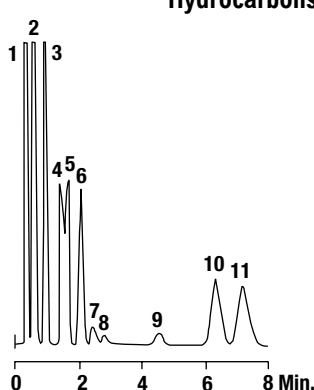
C1-C2 Hydrocarbons



1. Methane (1%)
2. Acetylene (1%)
3. Ethylene (1%)
4. Ethane (1%)

Column: 10ft x 1/8" o.d., SS (Part No. 28301PC)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 80°C
Carrier Gas: Helium at 35mL/min
Detector: FID

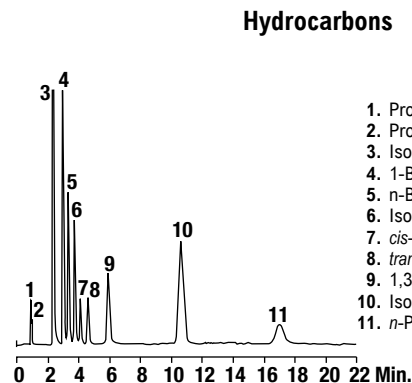
Hydrocarbons, Sulfur Gases



1. Air
2. Methane
3. Carbon Dioxide
4. Acetylene
5. Ethylene
6. Ethane
7. Water
8. Hydrogen Sulfide
9. Carbonyl Sulfide
10. Propylene
11. Propane

Column: 9ft x 1/8" o.d., SS (Part No. 2833PC)
Packing: HayeSep® Dip, 100/120 (Part No. 2833)
Temp: 100°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

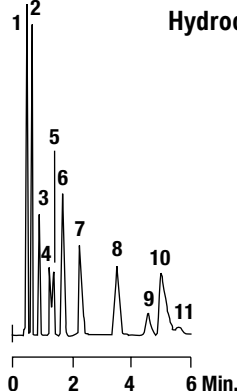
Hydrocarbons



1. Propane
2. Propylene
3. Isobutane
4. 1-Butene
5. n-Butane
6. Isobutylene
7. cis-2-Butene
8. trans-2-Butene
9. 1,3-Butadiene
10. Isopentane
11. n-Pentane

Column: 2m x 2mm i.d., Glass
Packing: 0.19% Picric Acid on Carbograph™ 2, 80/100 (Part No. 1736)
Temp: 50°C
Carrier Gas: Nitrogen at 20mL/min
Detector: TCD

Hydrocarbons, Sulfur Gases

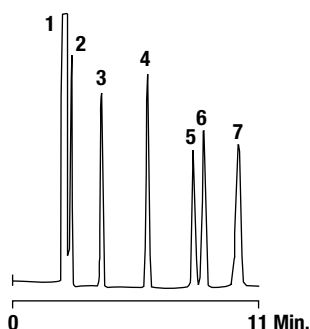


1. Air
2. Methane
3. Carbon Dioxide
4. Ethylene
5. Acetylene
6. Ethane
7. Hydrogen Sulfide
8. Carbonyl Sulfide
9. Propylene
10. Propane
11. Propadiene

Column: 8ft x 1/8" o.d., SS (Part No. 28010PC)
Packing: HayeSep® Q, 80/100 (Part No. 2801)
Temp: 90°C
Carrier Gas: Helium at 30mL/min
Detector: TCD at 120°C

Gases

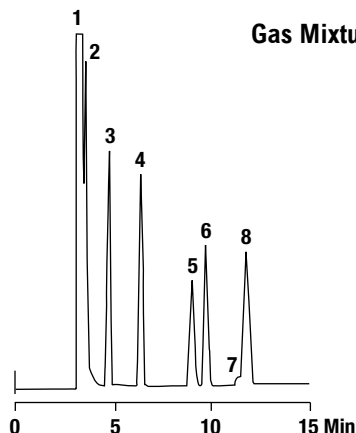
Scott Mix 216

CHROM
1726

1. Nitrogen (Balance)
2. Carbon Monoxide (1%)
3. Methane (1%)
4. Carbon Dioxide (1%)
5. Acetylene (1%)
6. Ethylene (1%)
7. Ethane (1%)

Column: 20ft x 1/8" o.d., Nickel (Part No. 27082PC)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 40°C (2 min hold) to 110°C at 24°C/min
Carrier Gas: Helium at 30mL/min
Detector: TCD at 140°C

Gas Mixture

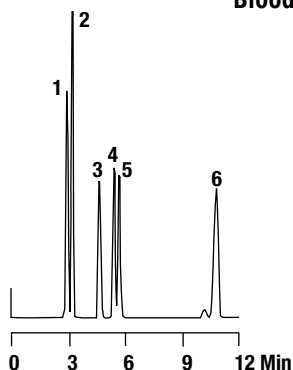
CHROM
1452

1. Nitrogen
2. Carbon Monoxide
3. Methane
4. Carbon Dioxide
5. Acetylene
6. Ethylene
7. Water
8. Ethane

Column: 30ft x 1/8" o.d., SS (Part No. 2836PC)
Packing: HayeSep® DB, 100/120 (Part No. 2836)
Temp: 120°C
Carrier Gas: Helium at 28mL/min
Detector: TCD

Alcohols

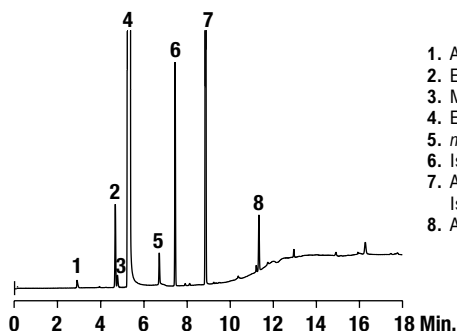
Blood Test Mix

CHROM
1244

1. Acetaldehyde
2. Acetone
3. Methanol
4. Isopropanol
5. Ethanol
6. *n*-Propanol

Column: Heliflex® AT™-Wax, 30m x 0.53mm x 1.20µm (Part No. 9951302)
Temp: 40°C (10 min hold) to 150°C at 10°C/min
Carrier Gas: Hydrogen at 4.3mL/min
Detector: FID

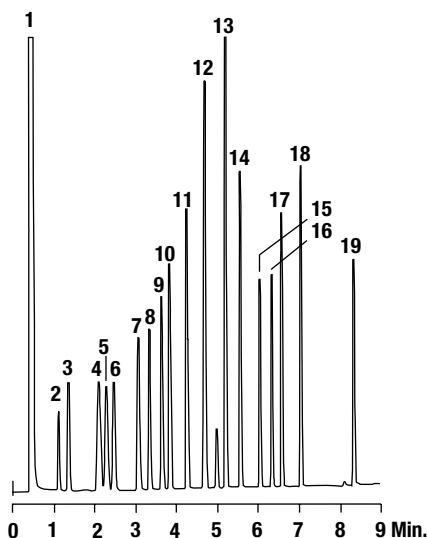
Bourbon

CHROM
2797

1. Acetaldehyde
2. Ethyl Acetate
3. Methanol
4. Ethanol
5. *n*-Propanol
6. Isobutanol
7. Amyl Alcohol + Isoamyl Alcohol
8. Acetic Acid

Column: Heliflex® AT™-Wax, 30m x 0.32mm x 1.00µm (Part No. 137382)
Temp: 50°C (1 min hold) to 90°C (0 min hold) at 10°C/min, then to 225°C (6 min hold) at 20°C/min
Carrier Gas: Helium at 1.7mL/min
Detector: FID

C1-C10 Alcohols

CHROM
1002

- | | |
|--------------------------------|------------------------|
| 1. <i>n</i> -Pentane (solvent) | 11. 3-Methyl-1-butanol |
| 2. Methanol | 12. 1-Pentanol |
| 3. Ethanol | 13. 2-Ethyl-1-butanol |
| 4. 2-Methyl-2-butanol | 14. 1-Hexanol |
| 5. 2-Butanol | 15. 2-Octanol |
| 6. 1-Propanol | 16. 1-Heptanol |
| 7. 2-Methyl-1-propanol | 17. 2-Ethyl-1-hexanol |
| 8. 2-Propen-1-ol | 18. 1-Octanol |
| 9. 1-Butanol | 19. 1-Decanol |
| 10. 4-Methyl-2-pentanol | |

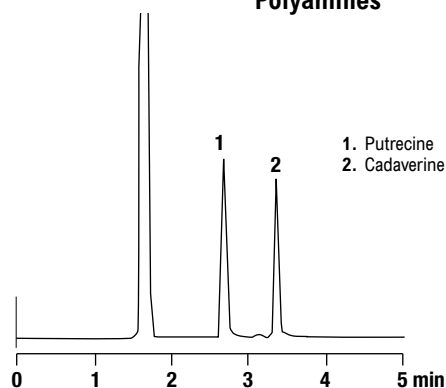
Column: Econo-Cap™ EC™-Wax, 15m x 0.53mm x 1.20µm (Part No. 19653)
Temp: 50°C (2 min hold), 20°C/min to 220°C
Carrier Gas: Helium at 8.0mL/min
Detector: FID

more applications

View our complete searchable chromatogram database at www.discoverysciences.com/chromdb/

Amines

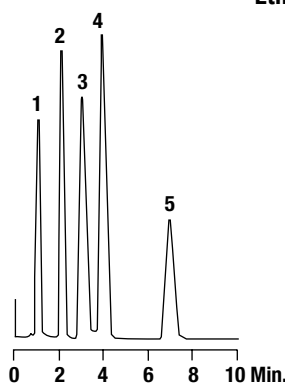
Polyamines



Column: Heliflex® AT™-CAM, 30m x 0.32mm x 0.25µm (Part No. 13024)
Temp: 140°C
Carrier Gas: Helium at 30cm/sec
Detector: FID

CHROM
2248

Ethylamines



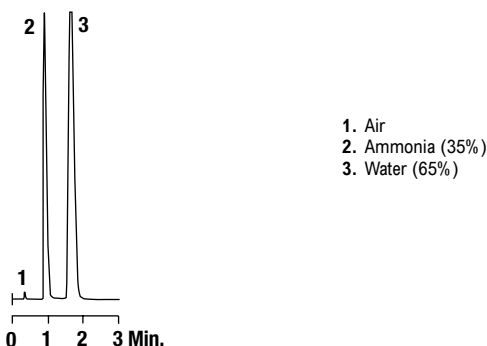
1. Ammonia
2. Ethylamine
3. Ethanol
4. Diethylamine
5. Triethylamine

Column: 6ft x 4mm i.d., Glass
Packing: 28% AT™-223 + 4% KOH on Gas Chrom™ R, 80/100 (Part No. 49259)
Temp: 130°C
Carrier Gas: Helium at 75mL/min
Detector: TCD

CHROM
1095

Gases

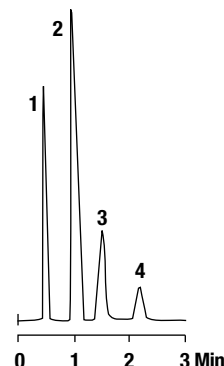
Ammonia



Column: 8ft x 1/8" o.d., SS (Part No. 2803PC)
Packing: HayeSep® P, 60/80 (Part No. 2803)
Temp: 80°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

CHROM
1770

Sulfur Compounds

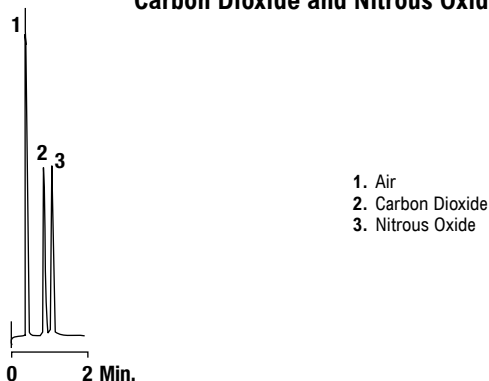


1. Hydrogen Sulfide
2. Carbonyl Sulfide
3. Sulfur Dioxide
4. Methyl Mercaptan

Column: 2m x 2mm i.d., Glass
Packing: Carbograph™ 1SC, 40/60 (Part No. 1734)
Temp: 35°C
Carrier Gas: Nitrogen at 20mL/min
Detector: FPD

CHROM
1800

Carbon Dioxide and Nitrous Oxide



Column: 8ft x 1/8" o.d., SS (Custom Part No. C-5000*)
Packing: Chromosorb® 101, 80/100 (Part No. 2406)
Temp: 45°C
Carrier Gas: Helium at 35mL/min
Detector: TCD

*Custom column. Must specify dimensions, packing and GC.

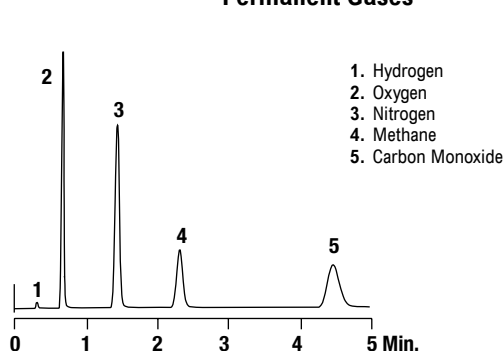
CHROM
1484

more applications

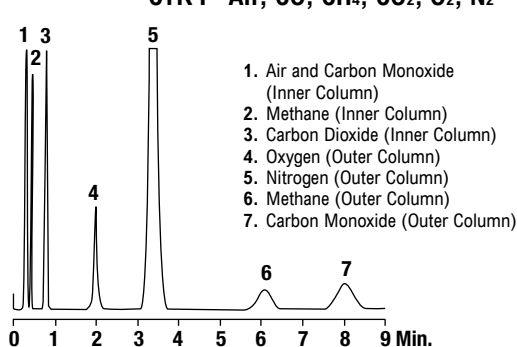
View our complete searchable chromatogram database at www.discoverysciences.com/chromdb/

Gases

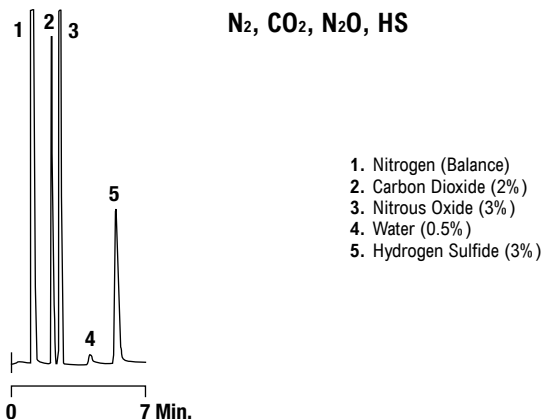
Permanent Gases



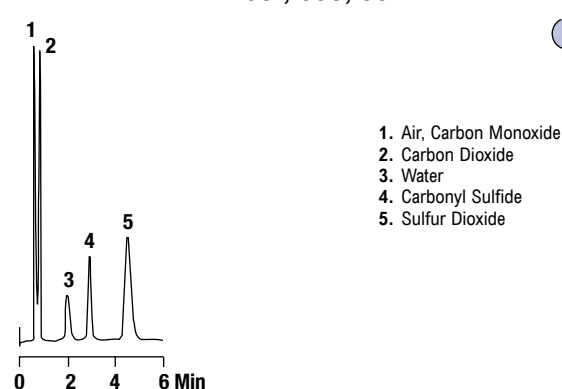
Column: 6ft x 1/8" o.d., SS (Part No. 5773PC)
Packing: Molecular Sieve 13X, 80/100 (Part No. 5638)
Temp: 35°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

CTR I - Air, CO, CH₄, CO₂, O₂, N₂

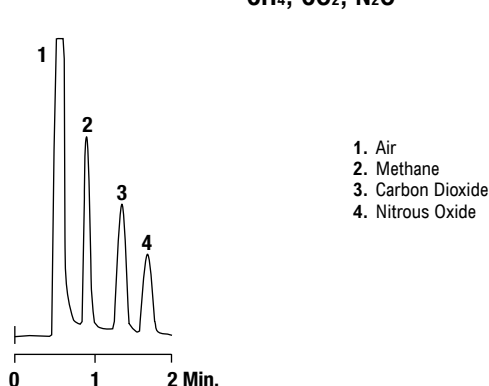
Column: CTR I (Part No. 8700)
Outer Column: 6ft x 1/4" Packed with Activated Molecular Sieve
Inner Column: 6ft x 1/8" Packed with Porous Polymer Mixture
Temp: Ambient
Carrier Gas: Helium at 65mL/min
Detector: TCD

N₂, CO₂, N₂O, HS

Column: 10ft x 1/8" o.d., SS (Part No. 28301PC)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 80°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

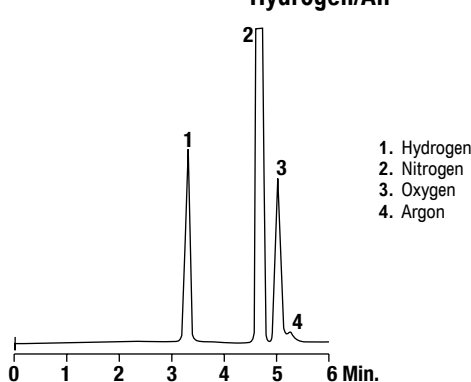
CO₂, COS, SO₂

Column: 6ft x 2mm i.d., Glass
Packing: Porapak® Q, 80/100 (Part No. 2701)
Temp: 75°C
Carrier Gas: Helium at 20mL/min
Detector: TCD

CH₄, CO₂, N₂O

Column: 6ft x 1/8" o.d., SS (Part No. 5682PC)
Packing: Carbosphere™, 80/100 (Part No. 5682)
Temp: 200°C
Carrier Gas: Helium at 20mL/min
Detector: TCD

Hydrogen/Air

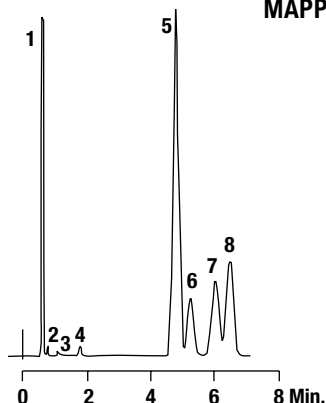


Column: 25ft x 1/8" o.d., SS (Custom Part No. C-5000*)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 25°C
Carrier Gas: Helium at 24mL/min
Detector: TCD

*Custom column. Must specify dimensions, packing, and GC.

Gases

MAPP Gas

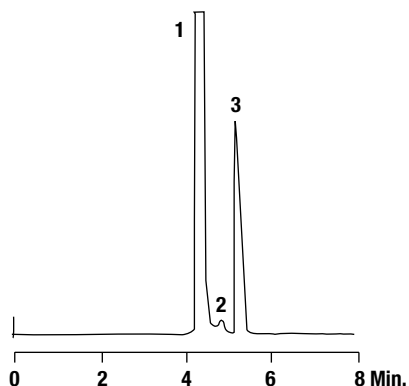
CHROM
2021

1. Air
2. Methane
3. Carbon Dioxide
4. Ethane
5. Propylene
6. Propane
7. Propadiene
8. Methyl Acetylene

Column: 10ft x 1/8" o.d., SS (Custom Part No. C-5000*)
Packing: HayeSep® R, 100/120 (Part No. 2808)
Temp: 80°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

*Custom column. Must specify dimensions, packing and GC.

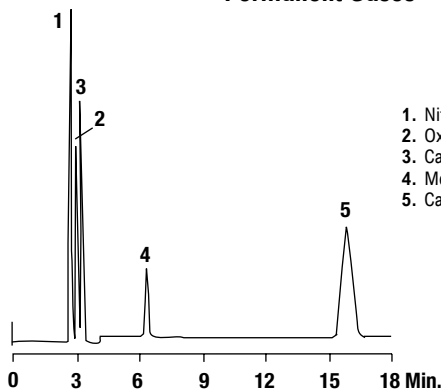
Nitric Oxide

CHROM
2014

1. Nitrogen (Balance)
2. Argon
3. Nitric Oxide (0.58%)

Column: 30ft x 1/8" o.d., SS (Part No. 2836PC)
Packing: HayeSep® DB, 100/120 (Part No. 2836)
Temp: 22°C
Carrier Gas: Helium at 30mL/min
Detector: TCD at 140°C

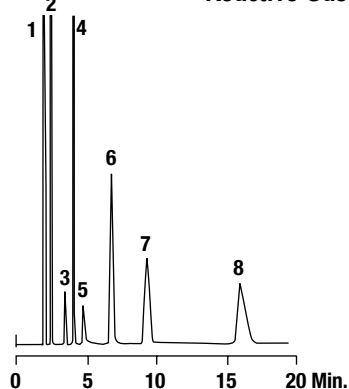
Permanent Gases

CHROM
1450

1. Nitrogen
2. Oxygen
3. Carbon Monoxide
4. Methane
5. Carbon Dioxide

Column: 20ft x 1/8" o.d., Ni (Part No. 27082PC)
Packing: HayeSep® D, 100/120 (Part No. 2830)
Temp: 25°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

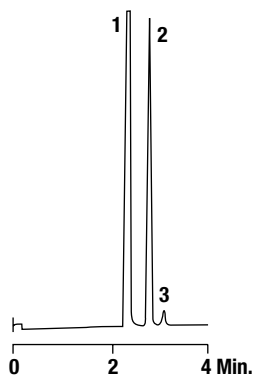
Reactive Gas Mixture

CHROM
1447

1. Air
2. Methane
3. Carbon Dioxide
4. Nitrous Oxide
5. Ammonia
6. Ethane
7. Hydrogen Sulfide
8. Carbonyl Sulfide

Column: 8ft x 1/8" o.d., SS (Part No. 28010PC)
Packing: HayeSep® Q, 80/100 (Part No. 2801)
Temp: 50°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

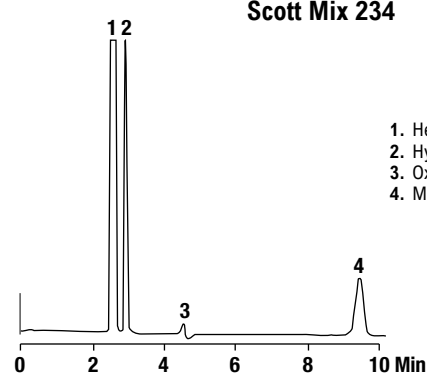
Room Air

CHROM
1706

1. Nitrogen (78%)
2. Oxygen (21%)
3. Argon (0.94%)

Column: 30ft x 1/8" o.d., SS (Part No. 2836PC)
Packing: HayeSep® DB, 100/120 (Part No. 2836)
Temp: -66°C
Carrier Gas: Helium at 30mL/min
Detector: TCD

Scott Mix 234

CHROM
2020

1. Helium (Balance)
2. Hydrogen (4%)
3. Oxygen (4%)
4. Methane (4%)

Column: 30ft x 1/8" o.d., SS (Part No. 2836PC)
Packing: HayeSep® DB, 100/120 (Part No. 2836)
Temp: 22°C
Carrier Gas: Nitrogen at 30mL/min
Detector: TCD