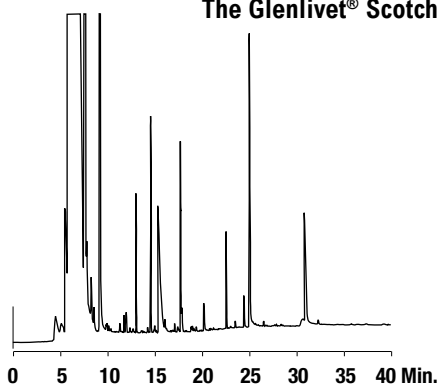


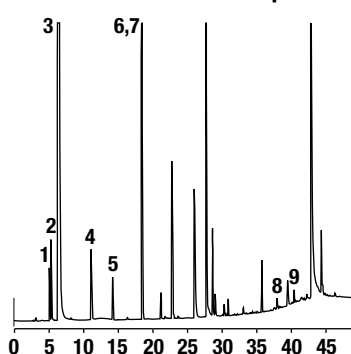
Alcohols

The Glenlivet® Scotch

CHROM
2525

Column: Heliflex® AT™-AquaWax, 60m x 0.25mm x 0.25µm (Part No. 12447)
Temp: 40°C (1 min hold) to 100°C at 30°C/min, then to 200°C at 5°C/min
Carrier Gas: Helium at 22cm/sec
Detector: FID

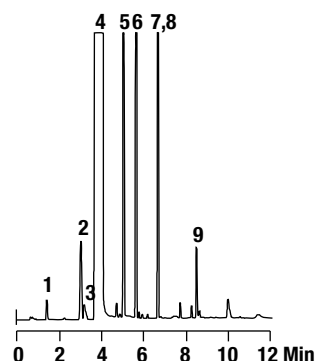
Red Wine Spiked with Off Flavor

CHROM
2539

Column: Heliflex® AT™-AquaWax-DA, 60m x 0.25mm x 0.25µm (Part No. 14547)
Temp: 35°C (10 min hold) to 220°C at 6°C/min
Carrier Gas: Helium at 25cm/sec
Detector: FID

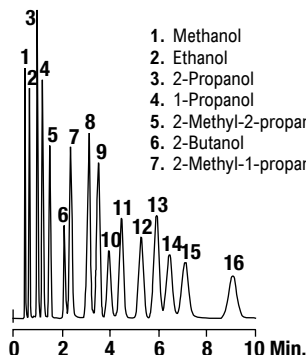
1. Ethyl Acetate
2. Methanol
3. Ethanol
4. 1-Propanol
5. Isobutanol
6. 2-Methyl-1-butanol
7. 3-Methyl-1-butanol
8. 4-Ethylguaiaacol
9. 4-Ethylphenol

Scotch Whiskey

CHROM
2035

Column: Econo-Cap™ EC™-Wax, 15m x 0.53mm x 1.20µm (Part No. 19653)
Temp: 40°C (3 min hold) to 150°C at 25°C/min
Carrier Gas: Helium at 3mL/minute
Detector: FID

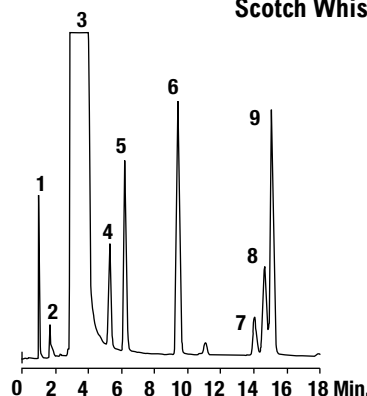
1. Acetaldehyde
2. Ethyl Acetate
3. Methanol
4. Ethanol
5. *n*-Propanol
6. Isobutanol
7. Amyl Alcohol
8. Isoamyl Alcohol
9. Acetic Acid

C₁-C₅ AlcoholsCHROM
1815

Column: 6ft x 2mm i.d., Glass, 0.2% Carbowax® 1500
Packing: Carbowax™ 2, 60/80 (Part No. 1725)
Temp: 130°C
Carrier Gas: Nitrogen at 20mL/min
Detector: FID

1. Methanol
2. Ethanol
3. 2-Propanol
4. 1-Propanol
5. 2-Methyl-2-propanol
6. 2-Butanol
7. 2-Methyl-1-propanol
8. 1-Butanol
9. 2-Methyl-2-butanol
10. 2,2-Dimethyl-1-propanol
11. 3-Methyl-2-butanol
12. 3-Pentanol
13. 2-Pentanol
14. 2-Methyl-1-butanol
15. 3-Methyl-1-butanol
16. 1-Pentanol

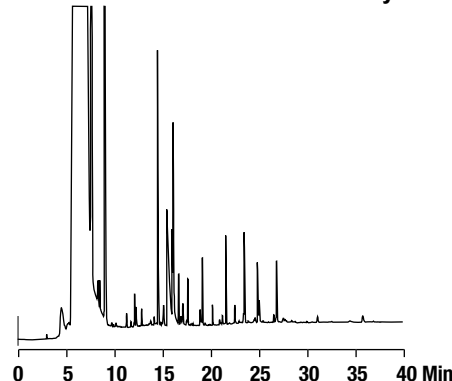
Scotch Whiskey

CHROM
1818

Column: 2m x 2mm i.d., Glass
Packing: Carbowax™ 1 AW 20, 80/120
Temp: 70°C to 170°C at 4°C/min
Carrier Gas: Nitrogen at 20mL/min
Detector: FID

1. Acetaldehyde
2. Methanol
3. Ethanol
4. Ethyl Acetate
5. *n*-Propanol
6. Isobutanol
7. Pentanol
8. Isopentanol
9. Acetic Acid

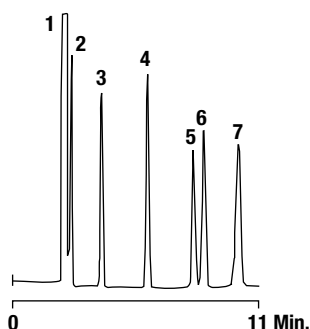
Irish Whiskey

CHROM
2524

Column: Heliflex® AT™-AquaWax, 60m x 0.25mm x 0.25µm (Part No. 12447)
Temp: 40°C (1 min hold) to 100°C at 30°C/min, then to 200°C at 5°C/min
Carrier Gas: Helium at 22cm/sec
Detector: FID at 275°C

Gases

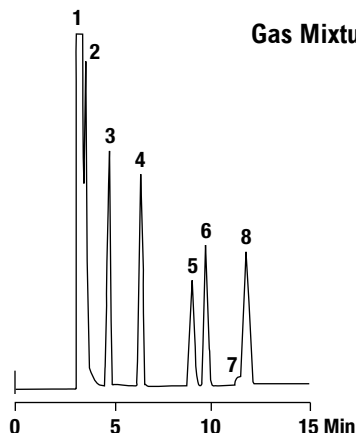
Scott Mix 216

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

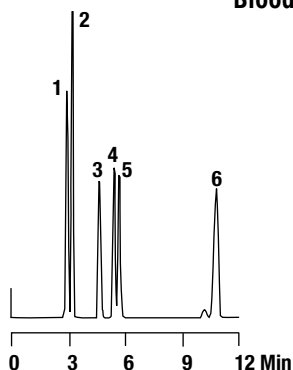
CHROM
1452

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

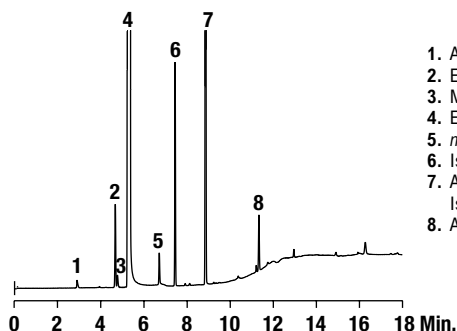
Blood Test Mix

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

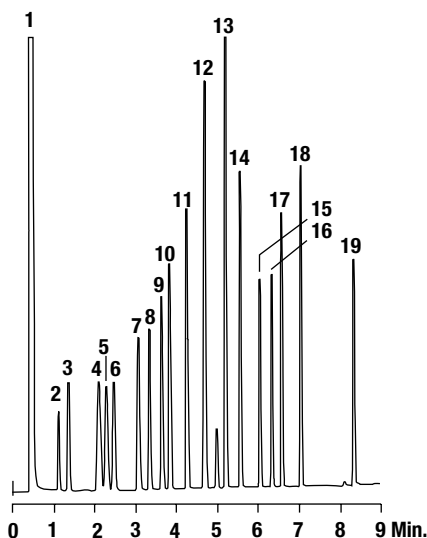
Bourbon

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 | |

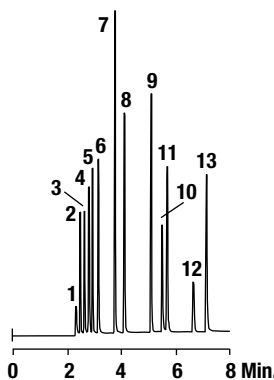
Column: Econo-Cap™ EC™-Wax, 15m x 0.53mm x 1.20µm (Part No. 19653)
Temp: 50°C (2 min hold), 20°C/min to 220°C
Carrier Gas: Helium at 8.0mL/min
Detector: FID

more applications

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

Alcohols

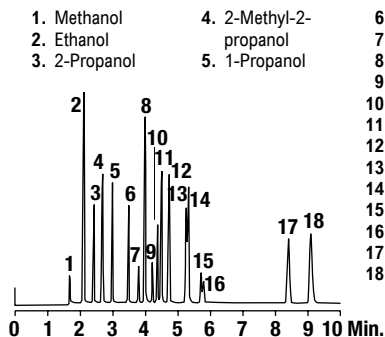
C1-C7 Alcohols

CHROM
1007

1. Methanol
2. 2-Propanol
3. 1-Propanol
4. 2-Butanol
5. 2-Methyl-1-propanol
6. 1-Butanol
7. 3-Methyl-1-butanol
8. 1-Pentanol
9. 2-Ethyl-1-butanol
10. 1-Hexanol
11. Cyclohexanol
12. 3-Methylcyclohexanol
13. 1-Heptanol

Column: Econo-Cap™ EC™-1, 30m x 0.32mm x 0.25µm
(Part No. 19651)
Temp: 40°C to 120°C at 10°C/min
Carrier Gas: Helium at 1.09mL/min (26.7cm/sec)
Detector: FID

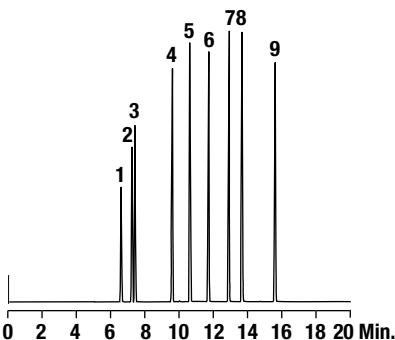
C1-C6 Alcohols

CHROM
1255

1. Methanol
2. Ethanol
3. 2-Propanol
4. 2-Methyl-2-propanol
5. 1-Propanol
6. 2-Butanol
7. 2-Methyl-1-propanol
8. 2-Methyl-2-butanol
9. 1-Butanol
10. 2,2-Dimethyl-1-propanol
11. 3-Methyl-2-butanol
12. 2-Pentanol + 3-Pentanol
13. 3-Methyl-1-butanol
14. 2-Methyl-1-butanol
15. 4-Methyl-2-pentanol
16. 1-Pentanol
17. 1-Hexanol
18. Cyclohexanol

Column: Heliflex® AT™-1, 30m x 0.53mm x 5.00µm
(Part No. 16843)
Temp: 35°C to 100°C at 5°C/min
Carrier Gas: Helium at 3mL/min
Detector: FID

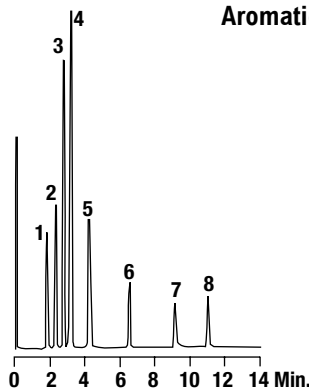
C1-C6 Alcohols

CHROM
2596

1. Methanol
2. Ethanol
3. 1-Propanol
4. 2-Methyl-1-propanol
5. 1-Butanol
6. 4-Methyl-2-pentanol
7. 1-Pentanol
8. 2-Ethyl-1-butanol
9. 1-Hexanol

Column: Heliflex® AT™-Wax, 30m x 0.32mm x 1.00µm
(Part No. 137382)
Temp: 40°C (3 min hold) to 150°C at 10°C/min
Carrier Gas: Helium at 1.2mL/min (25cm/sec)
Detector: FID at 275°C

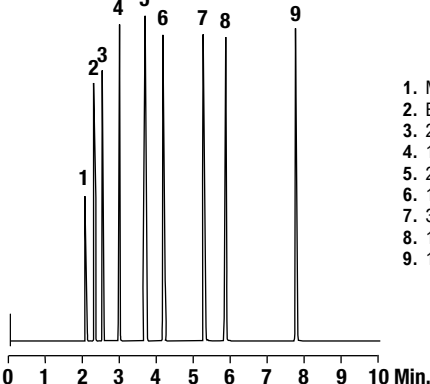
Aromatic Alcohols

CHROM
1249

1. α,α -Dimethylbenzyl Alcohol
2. DL- α -Methylbenzyl Alcohol
3. Benzyl Alcohol
4. 2-Phenylethyl Alcohol
5. 3-Phenyl-1-propanol
6. Cinnamyl Alcohol
7. Phenyl-1,2-ethanediol
8. Benzhydrol

Column: Heliflex® AT™-Wax, 10m x 0.53mm x 1.20µm
(Part No. 9951102)
Temp: 120°C to 215°C at 10°C/min
Carrier Gas: Helium at 10mL/min
Detector: FID

C1-C6 Alcohols

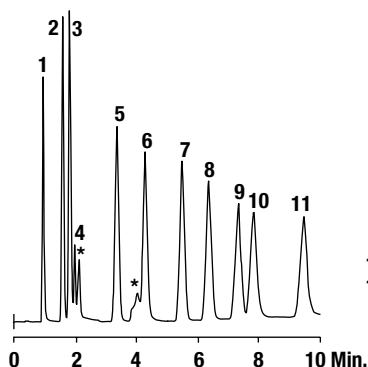
CHROM
2598

1. Methanol
2. Ethanol
3. 2-Propanol
4. 1-Propanol
5. 2-Methyl-1-propanol
6. 1-Butanol
7. 3-Methyl-1-butanol
8. 1-Pentanol
9. 1-Hexanol

Column: Heliflex® AT™-5, 30m x 0.32mm x 1.00µm
(Part No. 13659)
Temp: 40°C to 120°C at 10°C/min
Carrier Gas: Helium at 1.2mL/min (25cm/sec)
Detector: FID at 275°C

Amines

Aliphatic Amines

CHROM
1814

1. Methylamine
 2. Dimethylamine
 3. Ethylamine
 4. Trimethylamine
 5. Isopropylamine
 6. *n*-Propylamine
 7. *t*-Butylamine
 8. Diethylamine
 9. *sec*-Butylamine
 10. Isobutylamine
 11. *n*-Butylamine
- * Impurity

Column: 2m x 2mm i.d., Glass
Packing: 4% Carbowax® 20M + 0.8% KOH on Carbowax™ 1, 60/80 (Part No. 1735)
Temp: 90°C to 150°C at 4°C/min
Carrier Gas: Nitrogen at 20mL/min
Detector: FID