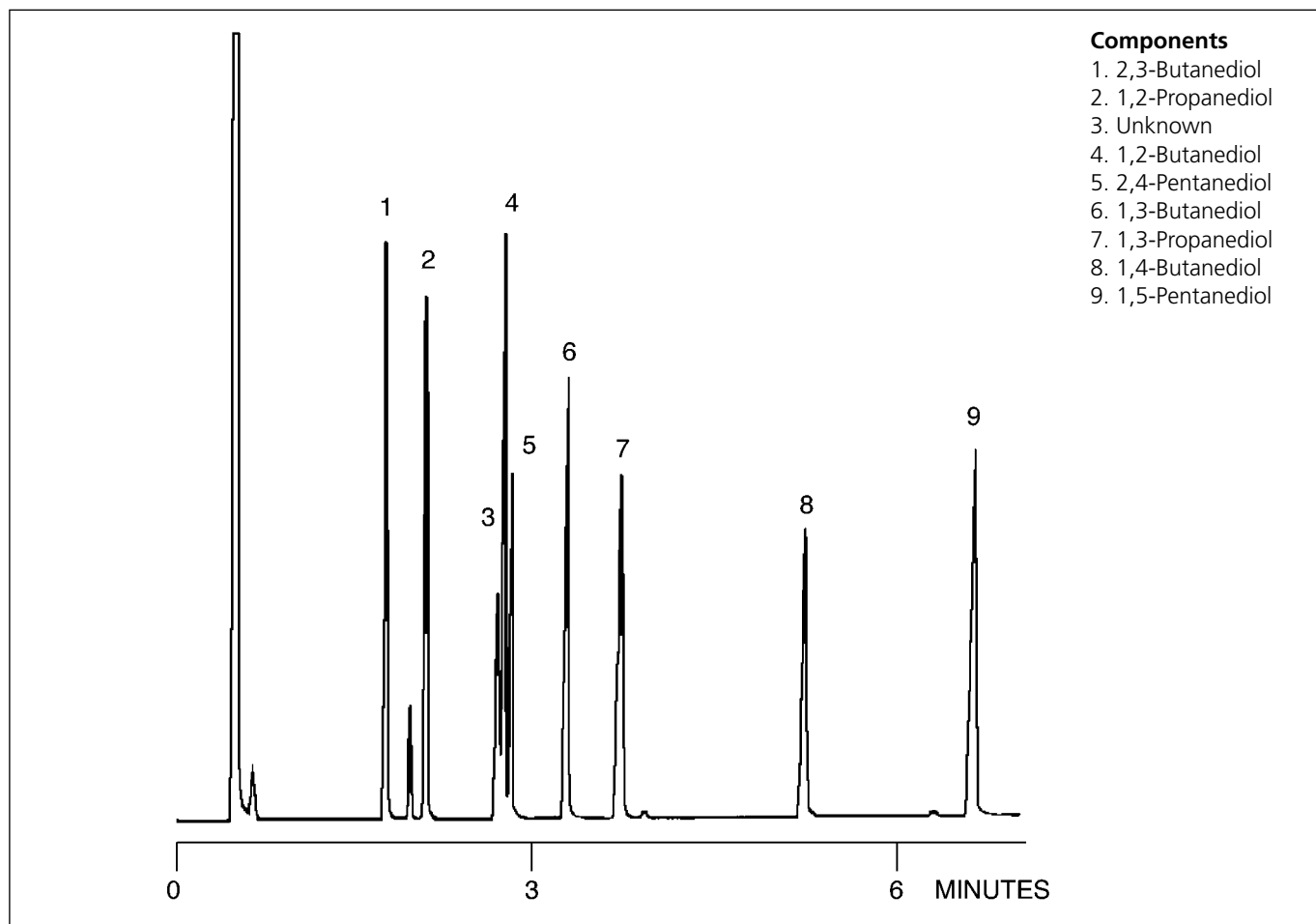


ANALYSIS OF C3-C5 DIOLS ON BP20

Column Part No.: 054426

Phase: BP20, 0.25 µm film
Column: 15 m x 0.25 mm ID
Initial Temp: 110 °C
Rate: 8 °C/min
Final Temp: 170 °C
Detector: FID
Sensitivity: 16×10^{-11} AFS
Injection Mode: Split

Notes: BP20 phase is ideal for alcohols

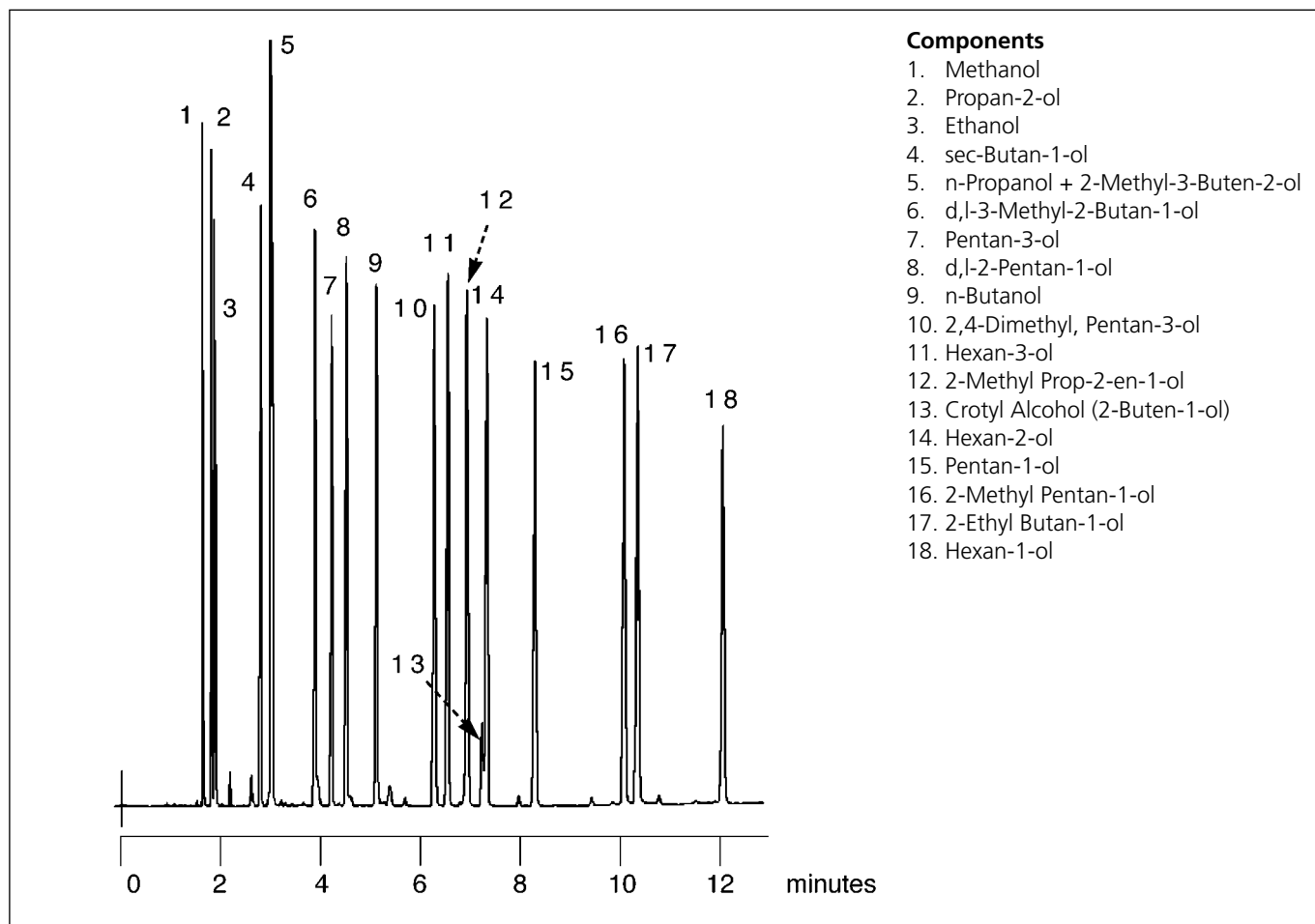


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ANALYSIS OF 18 ALCOHOLS ON BP20

Column Part No.: 054427

Phase: BP20, 0.25 µm film
 Column: 30 m x 0.25 mm ID
 Initial Temp: 45 °C, 2 min
 Rate: 3 °C/min
 Final Temp: 80 °C, 0 min
 Detector: FID
 Sensitivity: 128 x 10⁻¹² AFS
 Injection Mode: Split



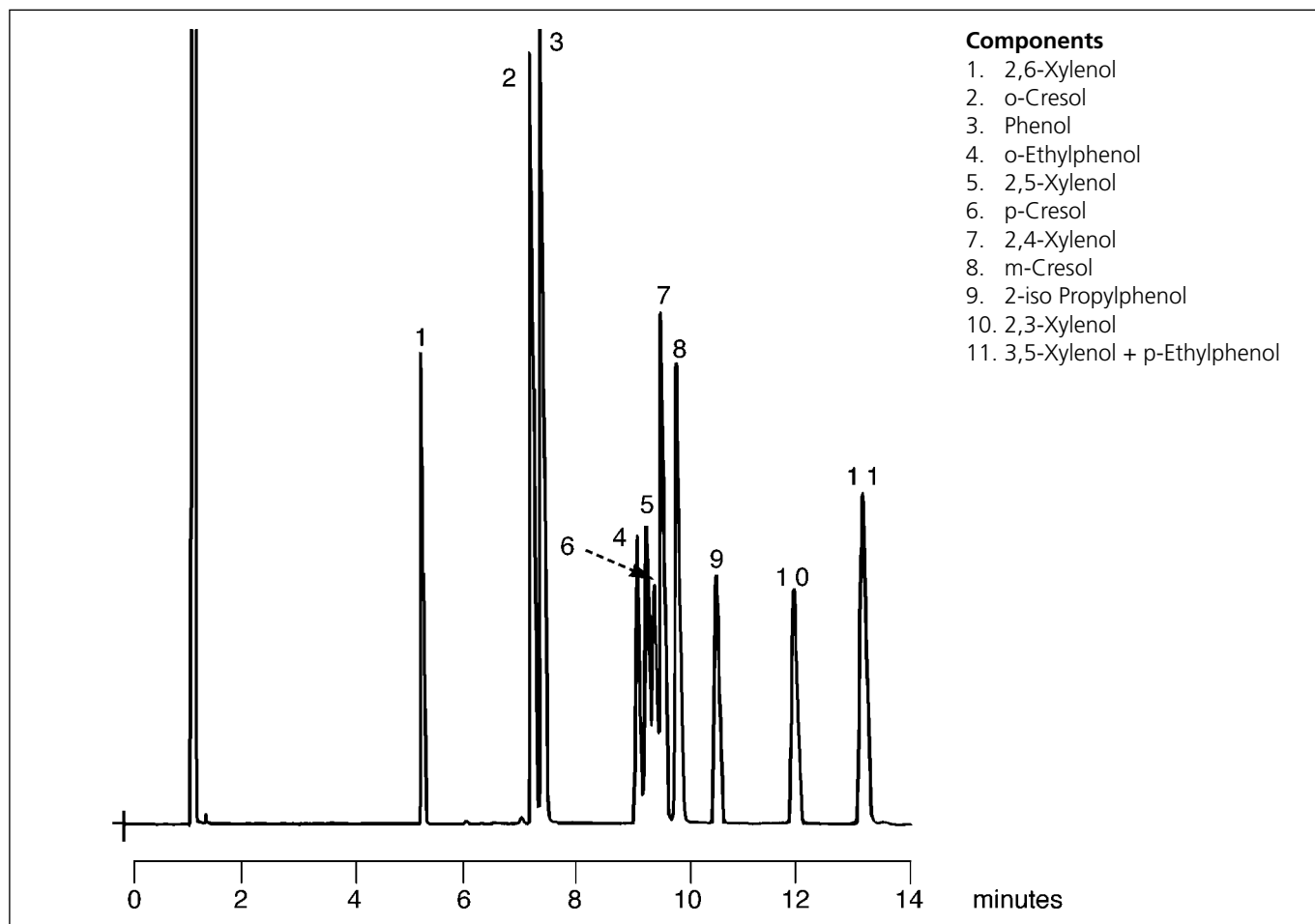
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ANALYSIS OF PHENOLS ON BP20

Column Part No.: 054427

Phase: BP20, 0.25 µm film
Column: 30 m x 0.25 mm ID
Initial Temp: Isothermal at 155 °C
Detector: FID
Sensitivity: 32×10^{-12} AFS
Injection Mode: Split

Notes: BP20 column completely resolves the three cresol isomers.

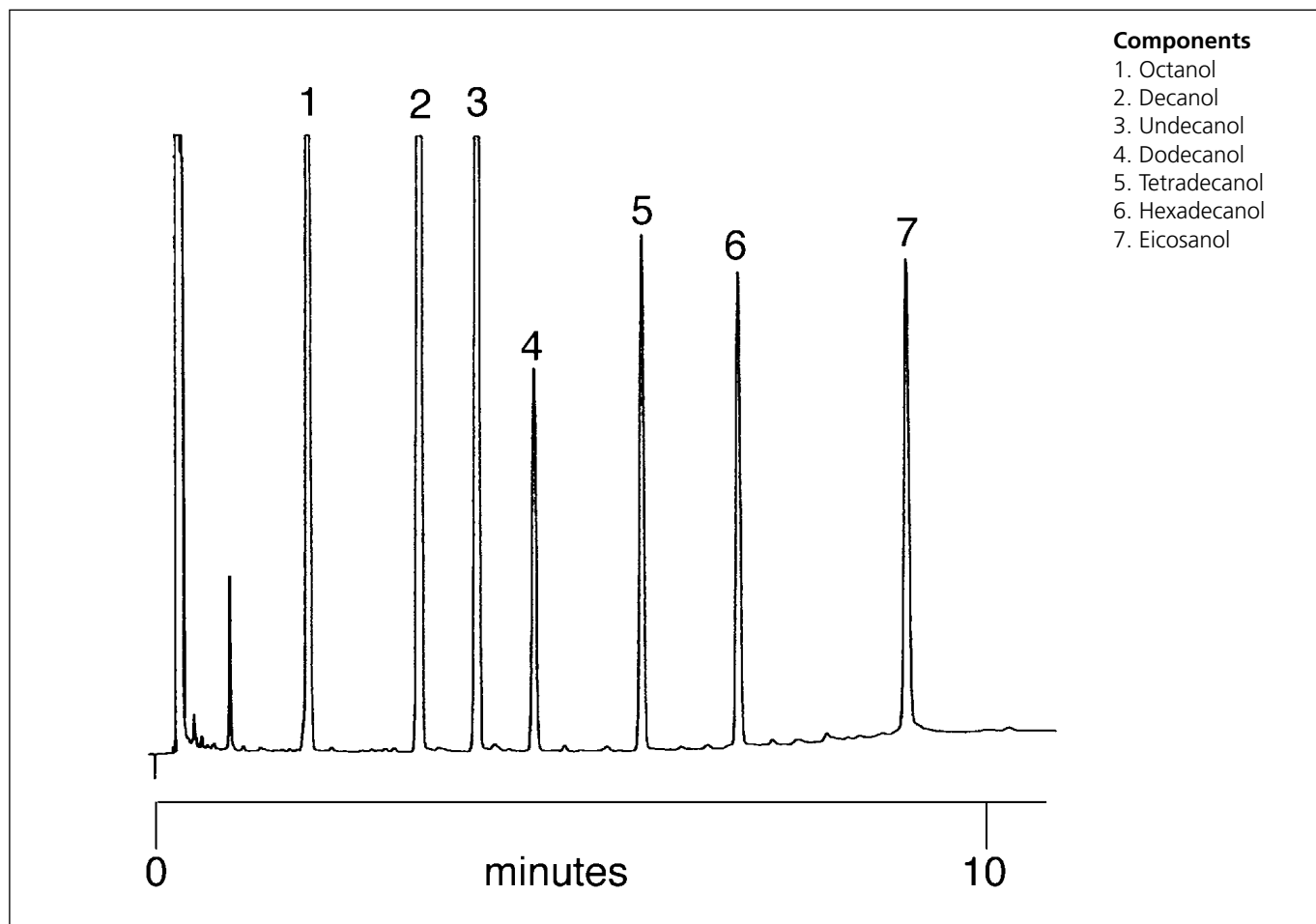


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ANALYSIS OF ALIPHATIC ALCOHOLS ON BP1

Column Part No: 054097

Phase: BP1, 3.0 µm film
Column: 12 m x 0.53 mm ID
Initial Temp: 100 °C
Rate: 10 °C/min
Final Temp.: 260 °C
Carrier Gas: Nitrogen
Injection Volume: 0.1 µL



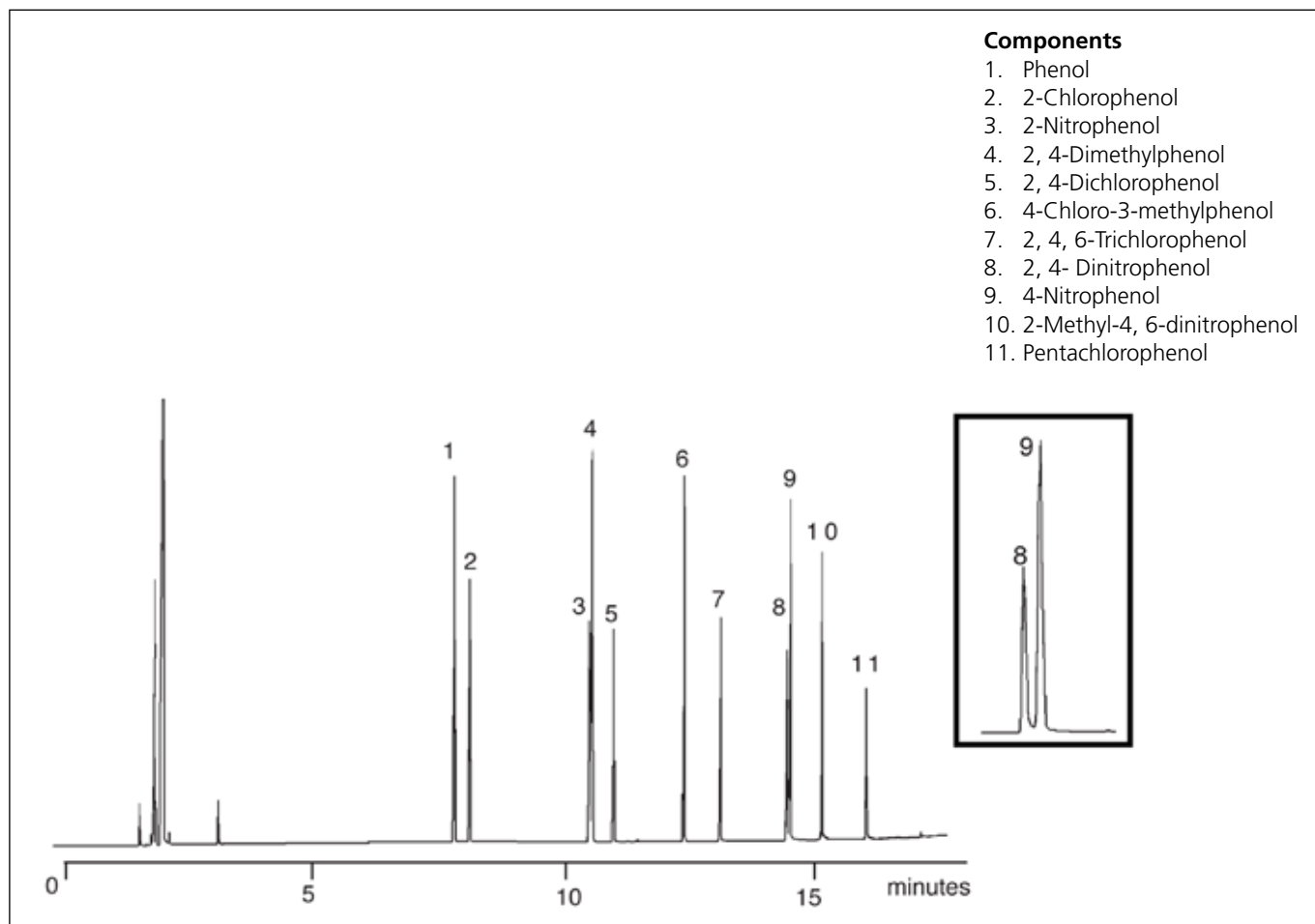
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ANALYSIS OF USEPA 625 PHENOLS MIX ON BPX5

Column Part No.: 054101

Phase: BPX5, 0.25 mm
Column: 30 m x 0.25 mm ID
Injector Temp: 240 °C
Injector Mode: Split, 80:1, 1.3ng O.C.
Injection Volume: 0.5 mL
Carrier Gas: Helium, 25 cm/sec.
Initial Oven Temp: 40 °C, 1 min.

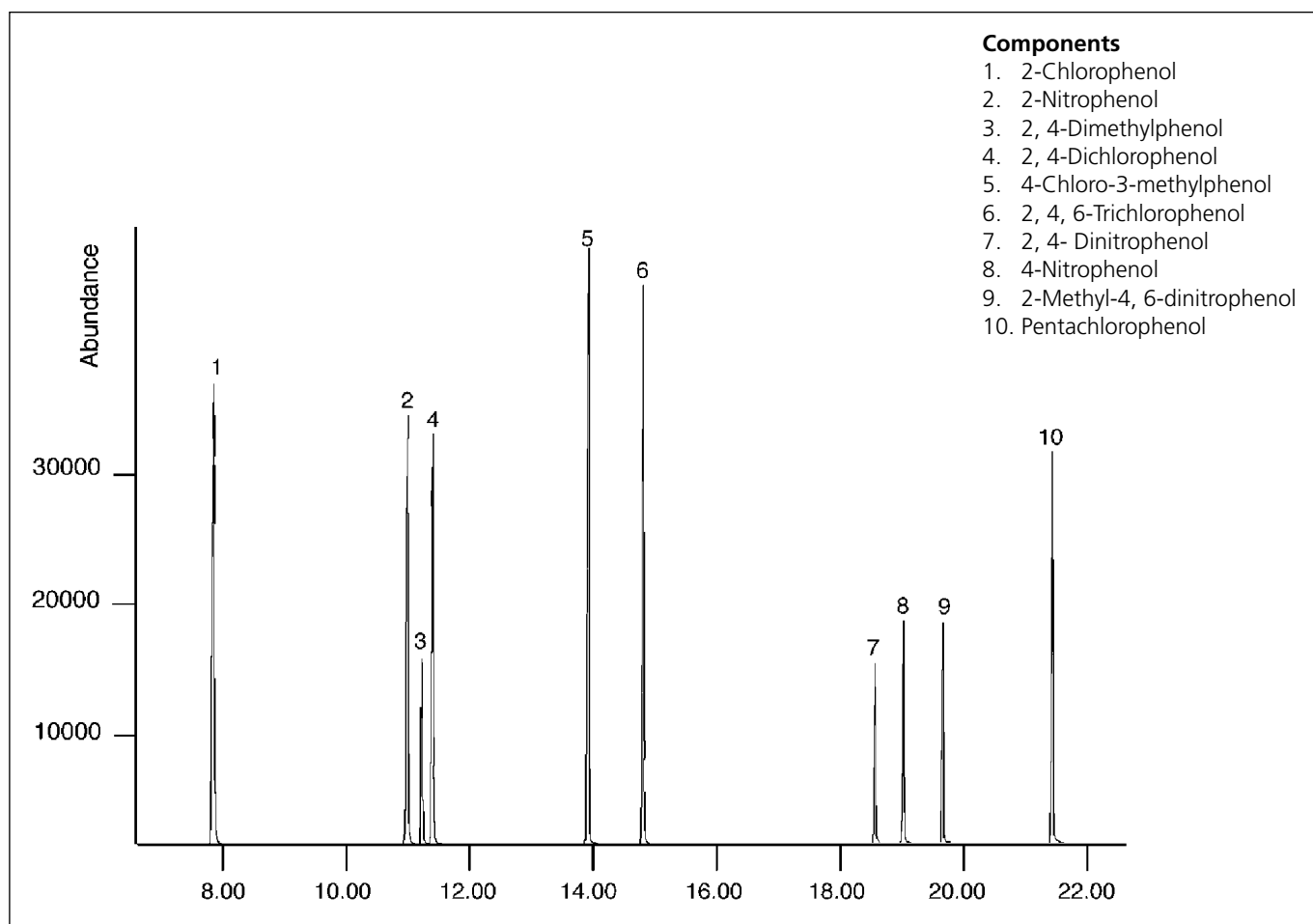
Rate 1: 10 °C/min.
Final Temp 1: 140 °C,
Rate 2: 20 °C/min.
Final Temp 2: 280 °C
Detector: FID, 300 °C



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USEPA 625 PHENOLS MIX
ON BPX50**Column Part No.: 054751**

Phase: BPX50, 0.25 μm
Column: 30 m x 0.25 mm ID
Injector Mode: Split, 40:1
Initial Oven Temp: 50 $^{\circ}\text{C}$, 1 min
Rate 1: 8 $^{\circ}\text{C}/\text{min}$
Final Temp: 300 $^{\circ}\text{C}$, 10 min
Detector: HP 5973 MSD



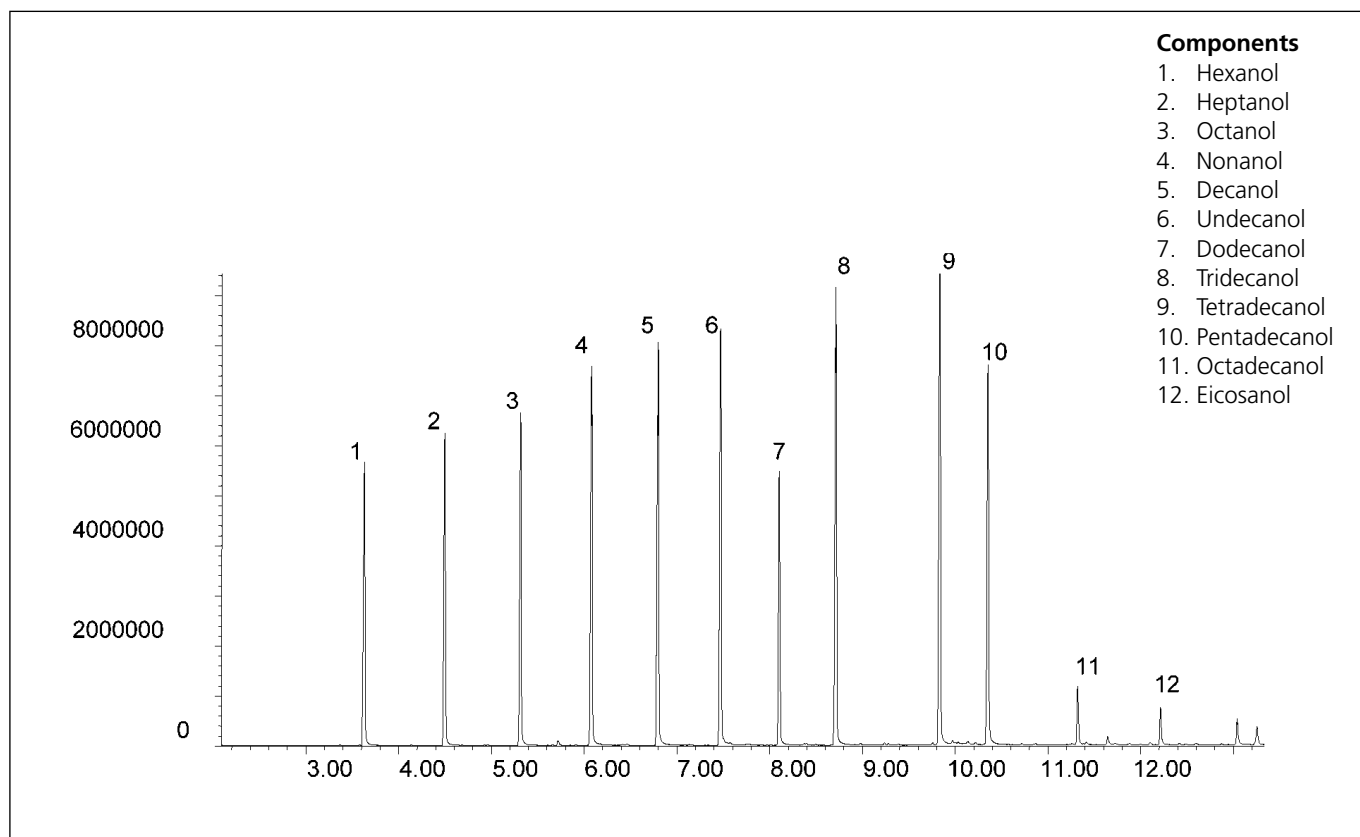
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ANALYSIS OF ALIPHATIC ALCOHOLS ON BPX35

Column Part No.: 054701

Phase: BPX35, 0.25 µm film
Sample: 200 ppm in Dichloromethane
Column: 30 m x 0.25 mm ID
Initial Temp: 40 °C, 1 min
Rate 1: 20 °C/min to 300 °C
Final Temp: 300 °C, 5 min
Detector Type: Mass Spectrometer
Carrier Gas: He, 25.7 psi
Carrier Gas Flow: 1.8 mL/min
Constant Flow: On

Average
Linear Velocity: 35 cm/sec at 40 °C
Injection Mode: Split
Split Ratio: 100:1
Injection Volume: 1 µL
Injection
Temperature: 250 °C
Liner Type: 4 mm ID Single Taper Liner
Liner Part No.: 092017
Full Scan / SIM: Full scan 45-450



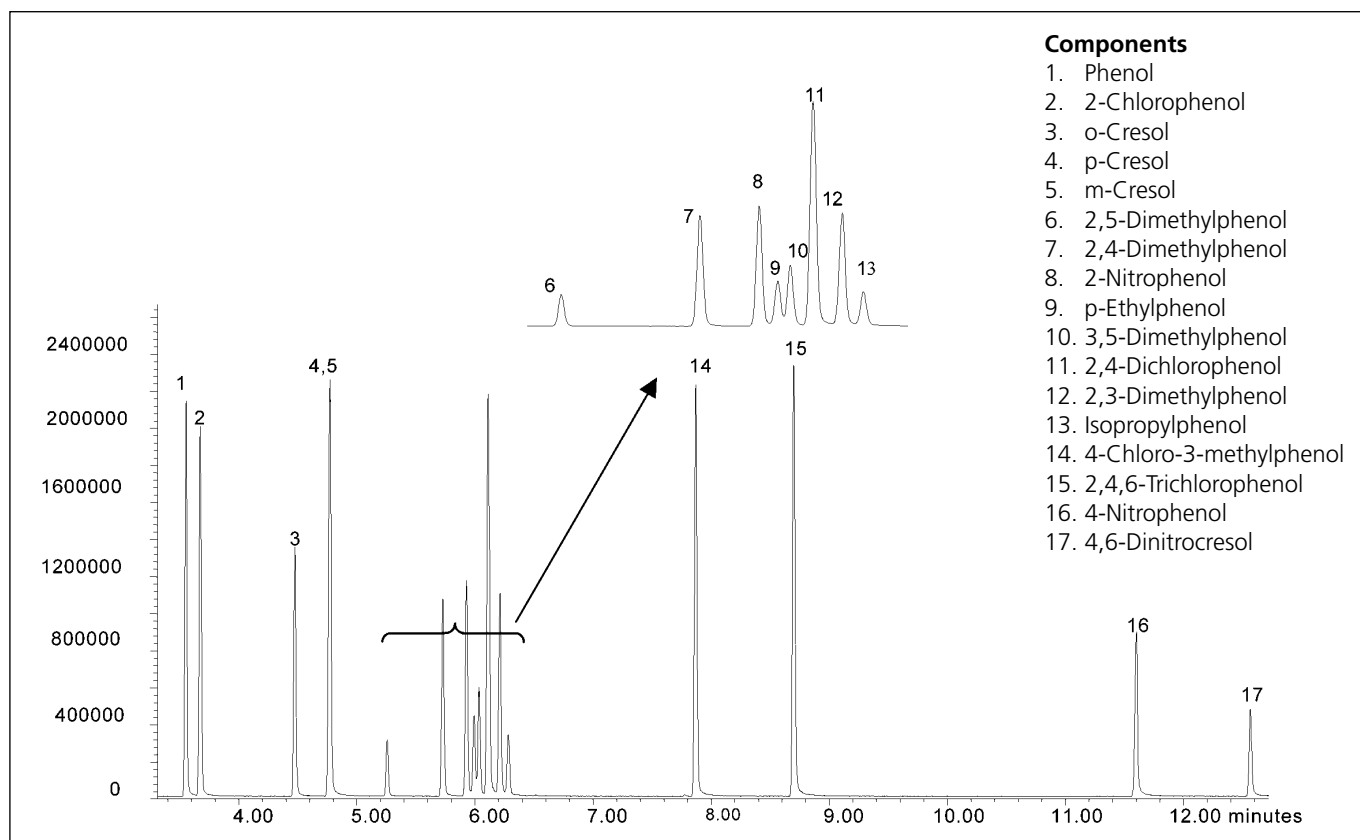
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ANALYSIS OF A PHENOLS MIXTURE ON BPX35

Column Part No.: 054701

Phase: BPX35, 0.25 µm film
 Sample: 200 ppm in methanol
 Column: 30 m x 0.25 mm ID
 Initial Temp: 80 °C, 1 min
 Rate 1: 10 °C/min to 300 °C
 Final Temp: 300 °C, 5 min
 Detector Type: Mass Spectrometer
 Carrier Gas: He, 29.2 psi
 Carrier Gas Flow: 1.7 mL/min.
 Constant Flow: On

Average
 Linear Velocity: 35 cm/sec at 80 °C
 Injection Mode: Split
 Split Ratio: 100:1
 Injection Volume: 1 µL
 Injection
 Temperature: 250 °C
 Liner Type: 4 mm ID Single Taper Liner
 Liner Part No.: 092017
 Full Scan / SIM: Full scan 45-450



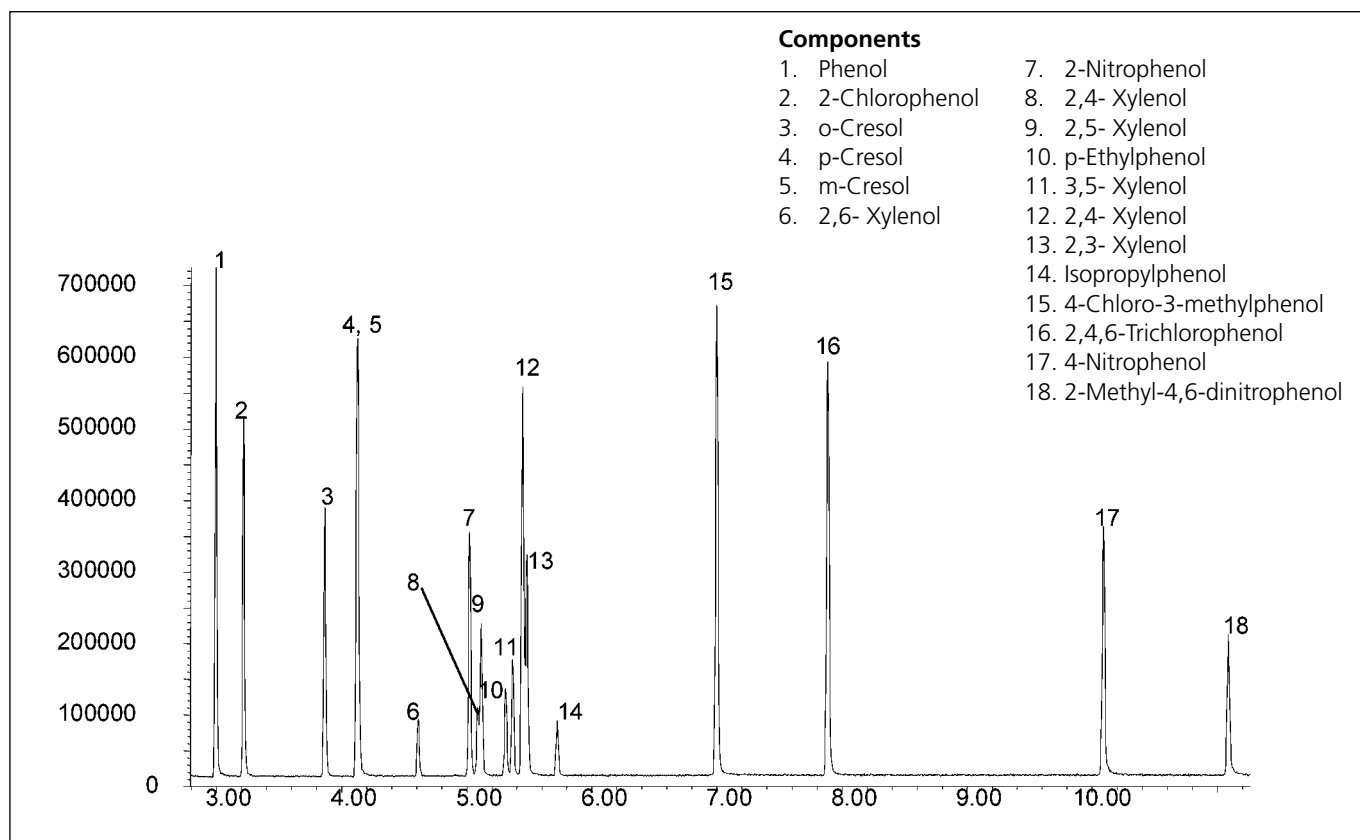
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ANALYSIS OF A PHENOL MIXTURE ON BPX5

Column Part No.: 054101

Phase: BPX5 0.25 µm film
 Sample: 200 ppm in methanol
 Column: 30 m x 0.25 mm ID
 Initial Temp: 80 °C, 1 min
 Rate 1: 10 °C/min to 300 °C
 Final Temp: 300 °C, 5 min
 Detector Type: Mass Spectrometer
 Carrier Gas: He, 36.2 psi
 Carrier Gas Flow: 2.1 mL/min.
 Constant Flow: On

Average
 Linear Velocity: 35 cm/sec at 80 °C
 Injection Mode: Split
 Split Ratio: 100:1
 Injection Volume: 1 µL
 Injection
 Temperature: 250 °C
 Liner Type: 4 mm ID Single Taper Liner
 Liner Part No.: 092017
 Full Scan / SIM: Full scan 45-450



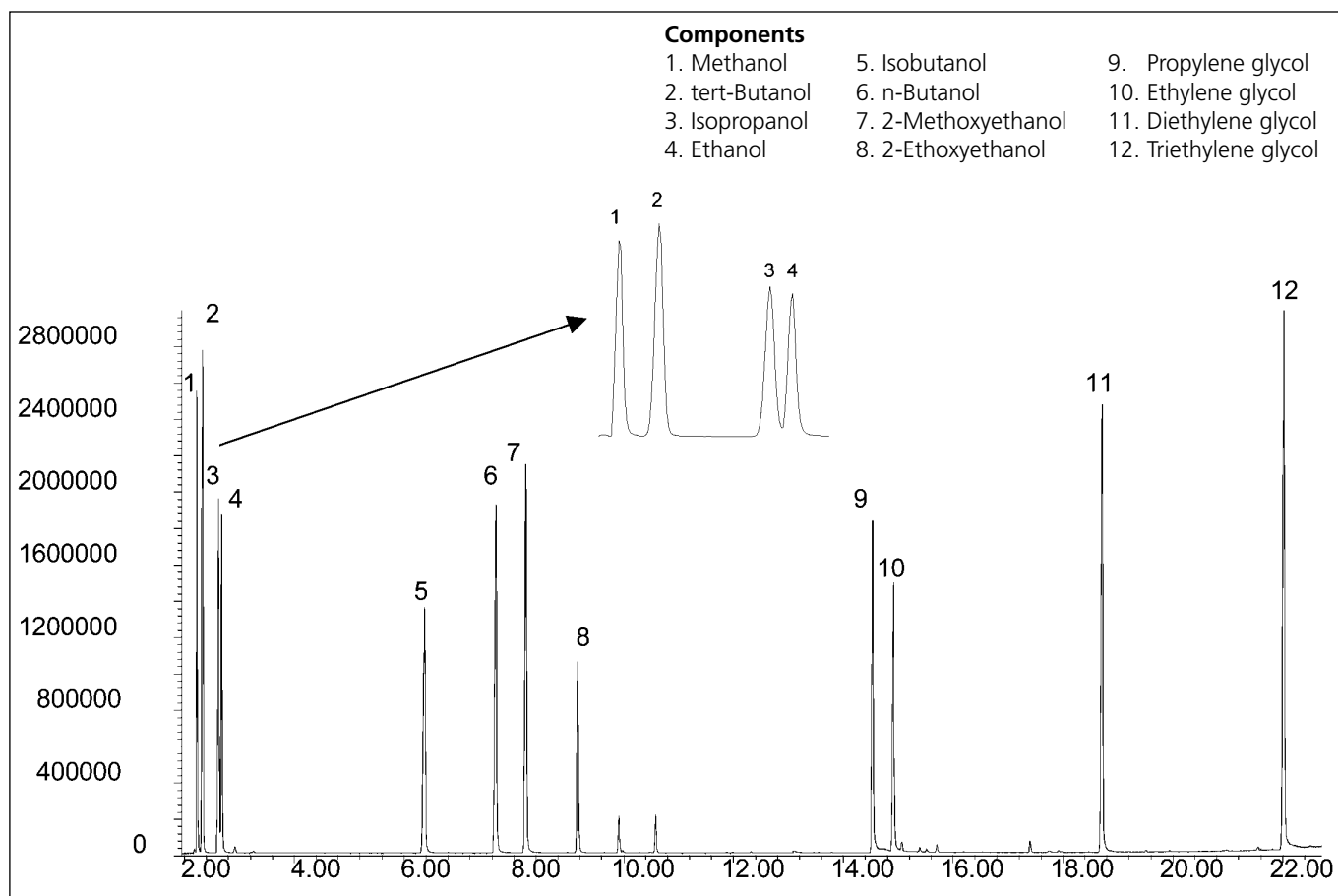
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ANALYSIS OF BRANCHED ALCOHOLS ON SOLGEL-WAX™

Column Part No.: 054796

Phase: SolGel-Wax™, 0.25 µm film
 Sample: Neat solvent mixture
 Column: 30 m x 0.25 mm ID
 Initial Temp: 40 °C, 5 min
 Rate 1: 10 °C/min to 230 °C
 Final Temp: 230 °C
 Detector Type: Mass Spectrometer
 Carrier Gas: He, 33.14 psi
 Carrier Gas Flow: 2.3 mL/min
 Constant Flow: On

Average
 Linear Velocity: 35 cm/sec at 40 °C
 Injection Mode: Split
 Split Ratio: 100:1
 Injection Volume: 0.1 µL
 Injection
 Temperature: 250 °C
 Liner Type: Split/Splitless Focus Liner
 Liner Part No.: 092002
 Full Scan / SIM: Full scan 20-450



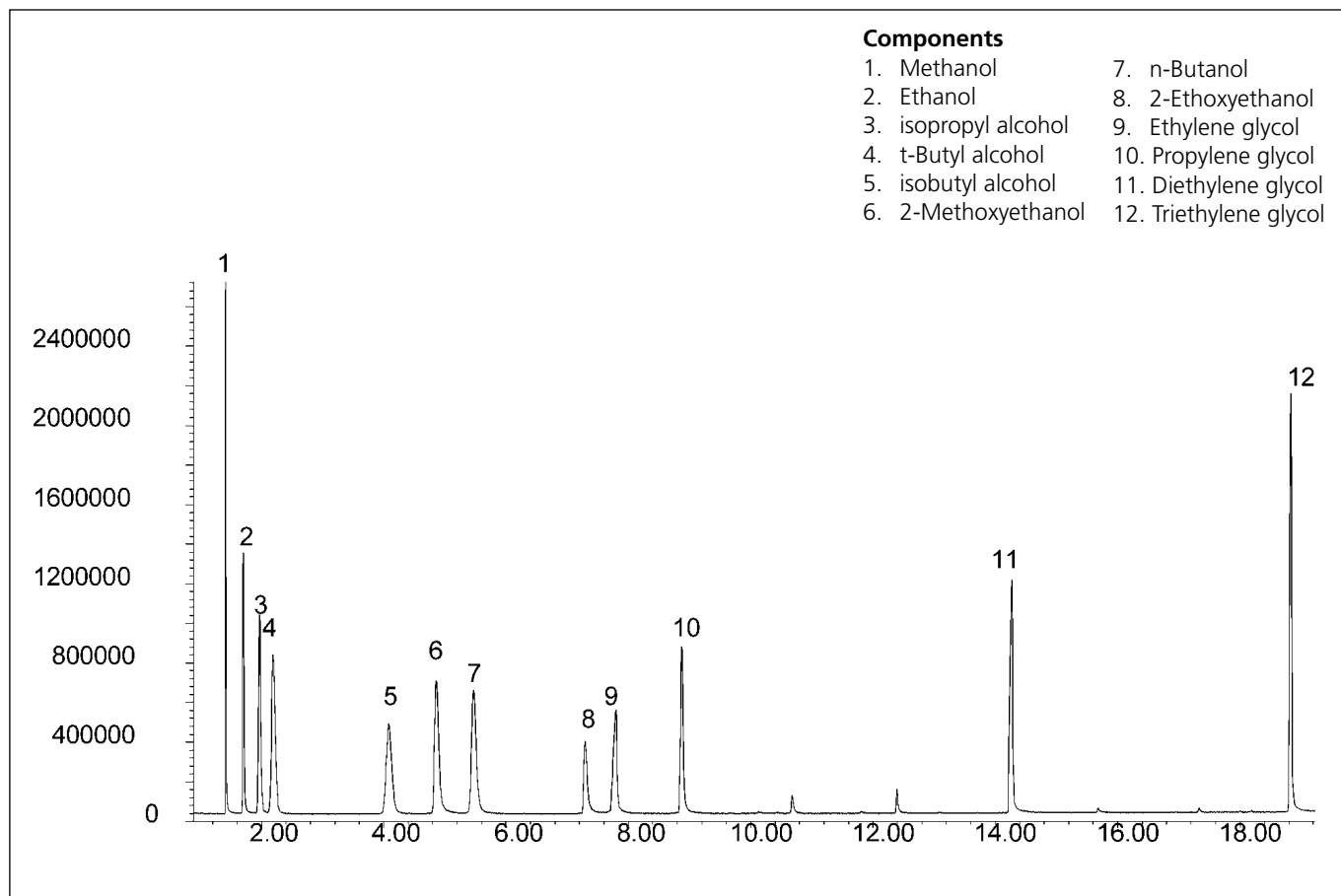
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ANALYSIS OF BRANCHED ALCOHOLS ON THICK FILM BPX35

Column Part No.: 54704

Phase: BPX35, 1.0 μm film
 Sample: Neat solvents
 Column: 30 m x 0.25 mm ID
 Initial Temp: 40 $^{\circ}\text{C}$, 5 min
 Rate 1: 10 $^{\circ}\text{C}/\text{min}$ to 230 $^{\circ}\text{C}$
 Final Temp: 230 $^{\circ}\text{C}$, 5 min
 Detector Type: Mass Spectrometer
 Carrier Gas: He, 28.2 psi
 Carrier Gas Flow: 1.8 mL/min
 Constant Flow: On

Average
 Linear Velocity: 30 cm/sec at 40 $^{\circ}\text{C}$
 Injection Mode: Split
 Split Ratio: 180:1
 Injection Volume: 0.1 μL
 Injection
 Temperature: 250 $^{\circ}\text{C}$
 Liner Type: Split/Splitless Focus Liner
 Liner Part No.: 092017
 Full Scan / SIM: Full scan 20-450



For more information contact our technical customer support team on: techsupport@sge.com