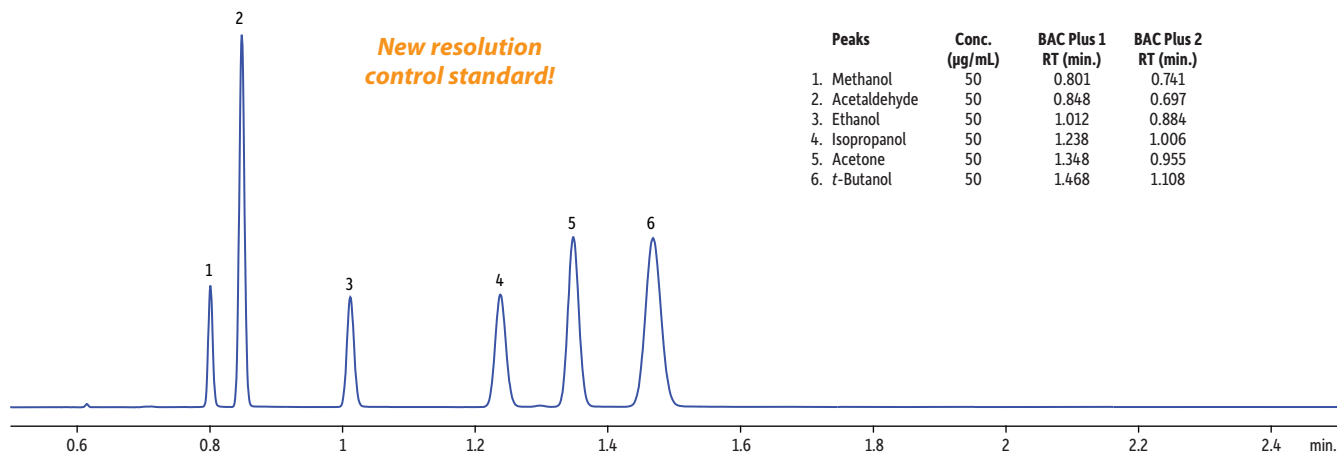
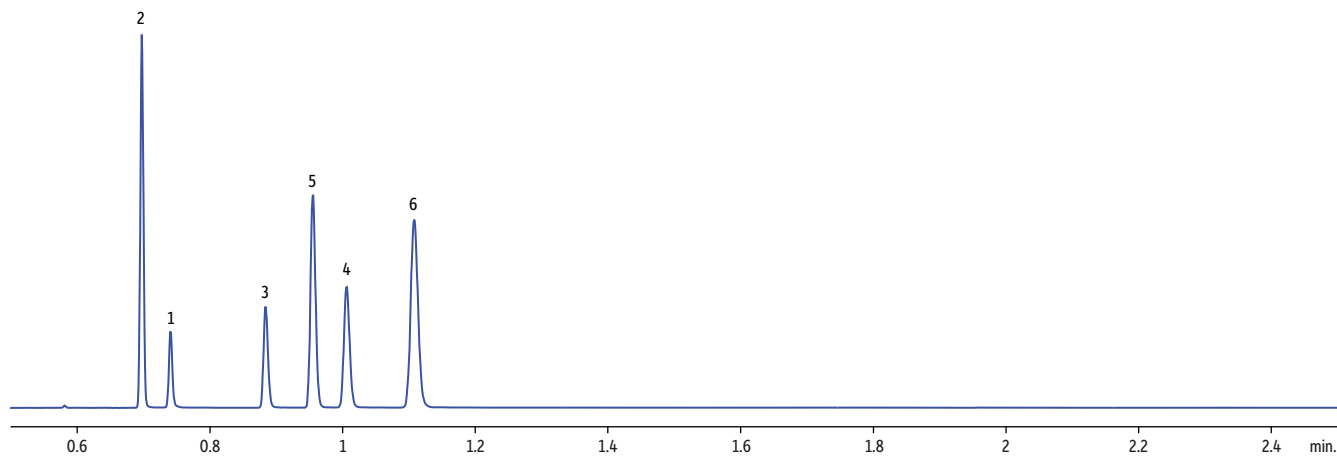


BAC Resolution Control Standard t-B on Rtx®-BAC Plus 1 and Plus 2 Column Set

Rtx®-BAC Plus 1



Rtx®-BAC Plus 2



GC_CF1161

Columns Rtx®-BAC Plus 1 30 m, 0.32 mm ID, 1.8 µm (cat.# 18004) and Rtx®-BAC Plus 2 30 m, 0.32 mm ID, 0.6 µm (cat.# 18006) using Rxi® guard column 5 m, 0.32 mm ID (cat.# 10039) with Universal "Y" Press-Tight connector (cat.# 20405-261)

Sample BAC resolution control standard t-B (cat.# 36011)
Conc.: 50 µL of standard was diluted with 950 µL water in a 20 mL headspace vial.

Injection headspace-loop split (split ratio 50:1)
Liner: 1 mm straight inlet liner (cat.# 20972)

Headspace-Loop
Inj. Port Temp.: 200 °C
Instrument: Tekmar HT3
Inj. Time: 1 min.
Transfer Line Temp.: 125 °C
Valve Oven Temp.: 125 °C
Sample Temp.: 60 °C
Sample Equil. Time: 5 min.

Vial Pressure: 30 psi
Pressurize Time: 2 min.
Loop Pressure: 20 psi
Loop Fill Time: 1 min.

Oven
Oven Temp: 40 °C (hold 3 min.)
Carrier Gas He, constant flow
Linear Velocity: 80 cm/sec.
Detector FID @ 240 °C

Make-up Gas 30 mL/min.
Flow Rate: 30 mL/min.
Make-up Gas Type: N₂

Instrument Agilent/HP6890 GC

Notes The Rtx®-BAC Plus 1 and Plus 2 columns were connected to the injection port using a ~12 inch section of guard column between the injection port and the Universal Y Press-Tight® connector.

Headspace concentrator courtesy of Teledyne Tekmar, Mason, OH.