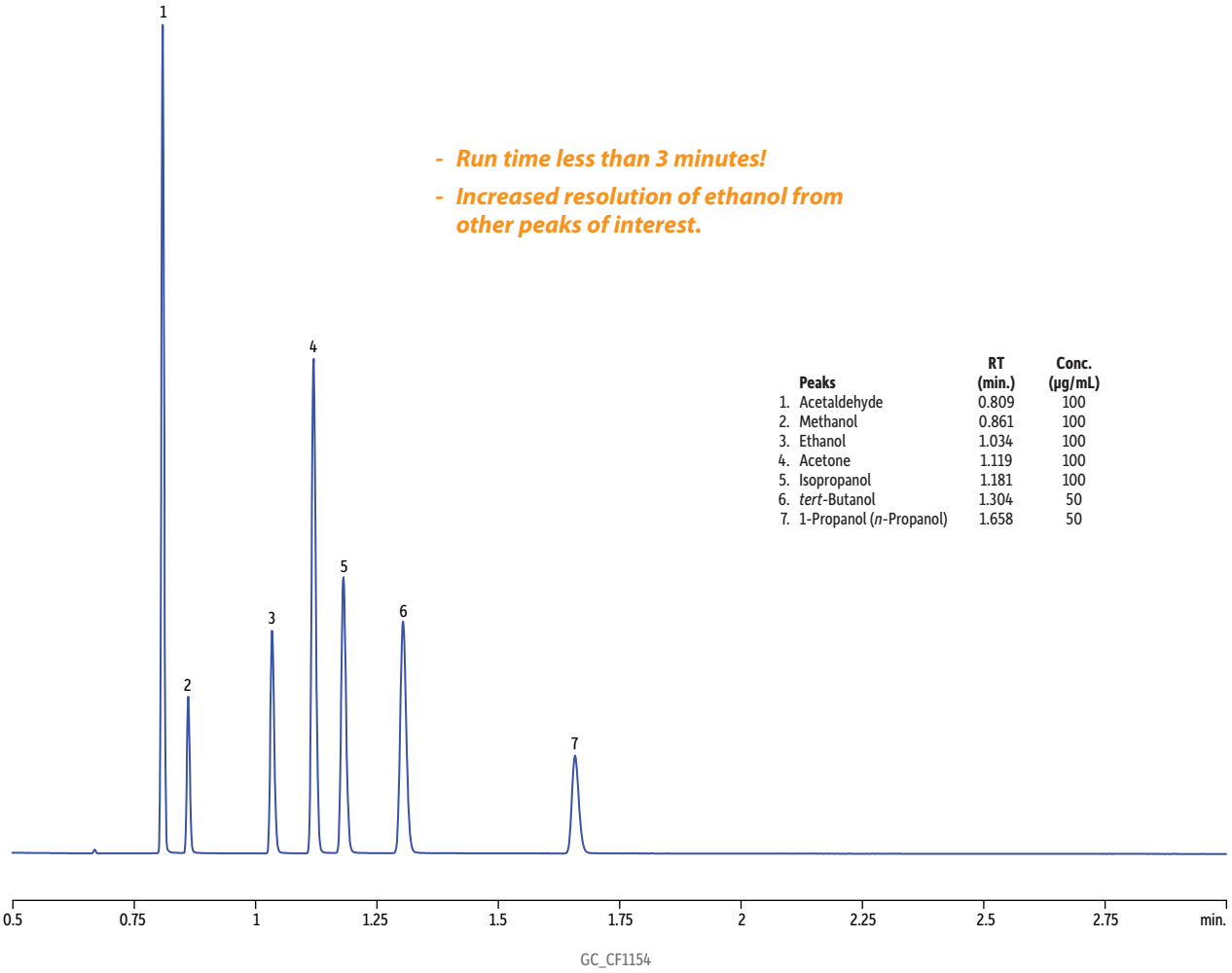
Blood Alcohol Analysis on Rtx®-BAC Plus 2



Peaks	RT (min.)	Conc. (µg/mL)
1. Acetaldehyde	0.809	100
2. Methanol	0.861	100
3. Ethanol	1.034	100
4. Acetone	1.119	100
5. Isopropanol	1.181	100
6. *tert*-Butanol	1.304	50
7. 1-Propanol (*n*-Propanol)	1.658	50

GC_CF1154

Column Rtx®-BAC Plus 2, 30 m, 0.32 mm ID, 0.6 µm (cat.# 18006)
Sample BAC resolution control standard n-P (cat.# 36010) BAC resolution control standard t-B (cat.# 36011)
Diluent: Water
Conc.: 50 µL of each standard were diluted in 900 µL water in a 20 mL headspace vial.
Injection Headspace-loop split (split ratio 50:1)
Liner: 1 mm ID straight inlet liner (cat.# 20972)
Headspace-Loop
Inj. Port Temp.: 200 °C
Instrument: Tekmar HT3
Inj. Time: 3 min.
Transfer Line Temp.: 125 °C
Valve Oven Temp.: 125 °C
Standby flow rate: 50 mL/min
Sample Temp.: 60 °C
Sample Equil. Time: 5 min.
Vial Pressure: 30 psi
Pressurize Time: 1 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. @ 40 °C
Detector FID @ 240 °C
Make-up Gas Flow Rate: 30 mL/min.
Make-up Gas Type: N_2
Instrument Agilent/HP6890 GC

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