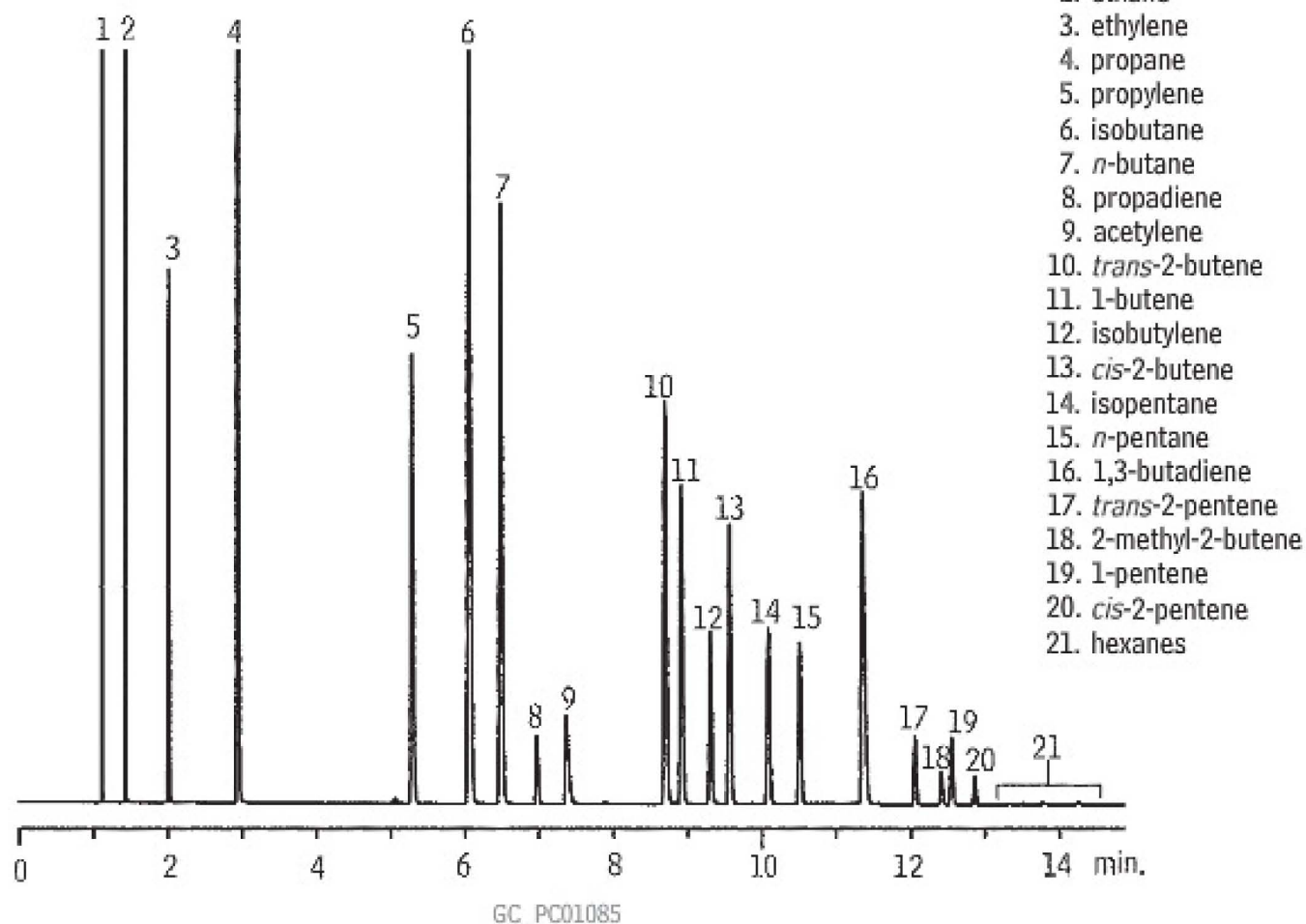


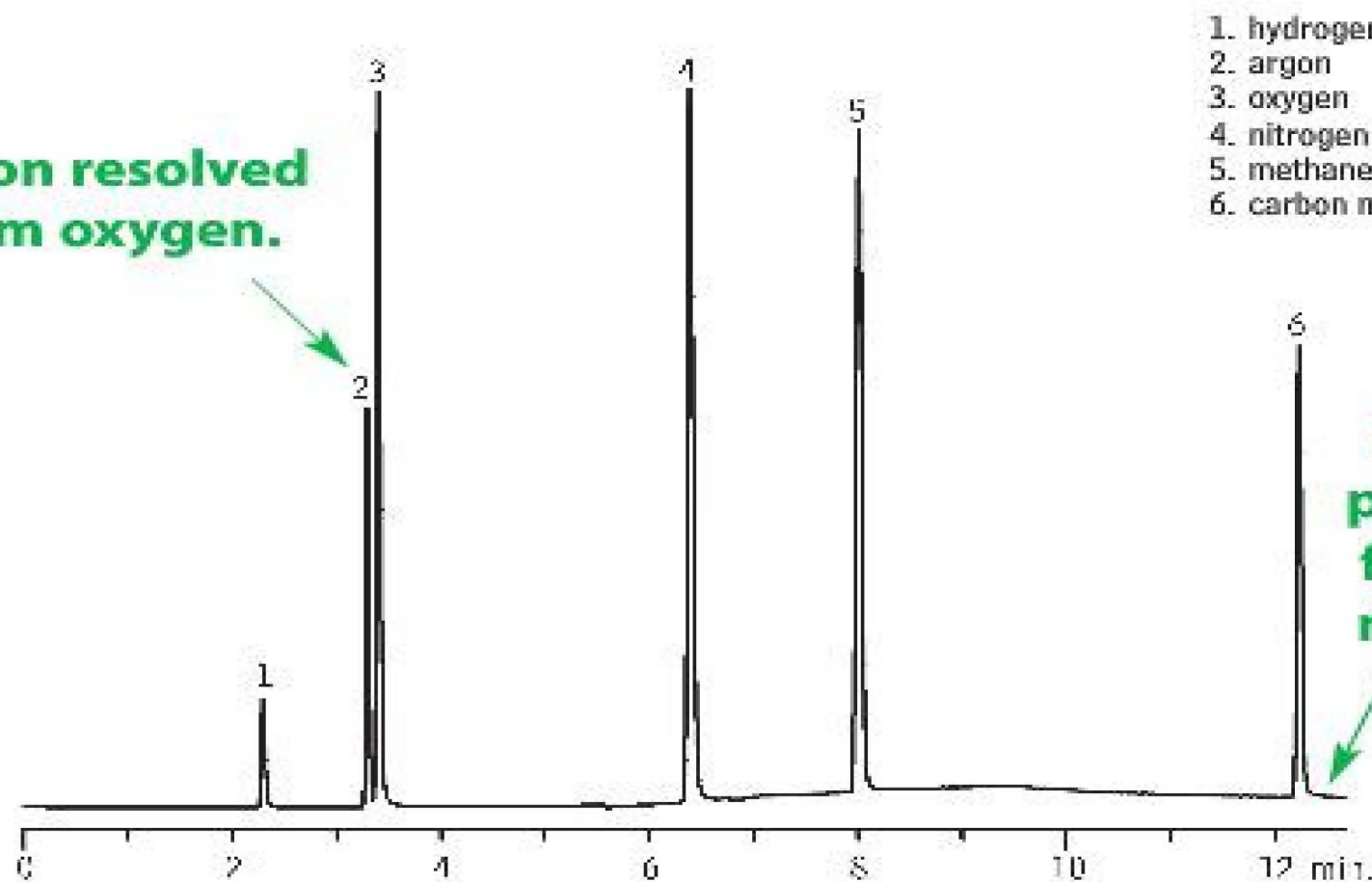
Refinery gas on an Rt[®]-Alumina BOND / Na₂SO₄



Column: Rt[®]-Alumina BOND / Na₂SO₄, 50m, 0.53mm ID, 10μm (cat.# 19756)
Sample: refinery gas
Inj.: 10μL split (split vent flow 80mL/min.), 2mm single gooseneck liner (cat.# 20795)
Inj. temp.: 200°C
Carrier gas: hydrogen, constant pressure, 8.0psi
Linear velocity: 74cm/sec. @ 45°C
Oven temp.: 45°C (hold 1 min.) to 200°C @ 10°C/min. (hold 3.5 min.)
Det.: FID @ 200°C

Permanent gases on an Rt[®]-Msieve 5A **PLOT** column.

Argon resolved
from oxygen.



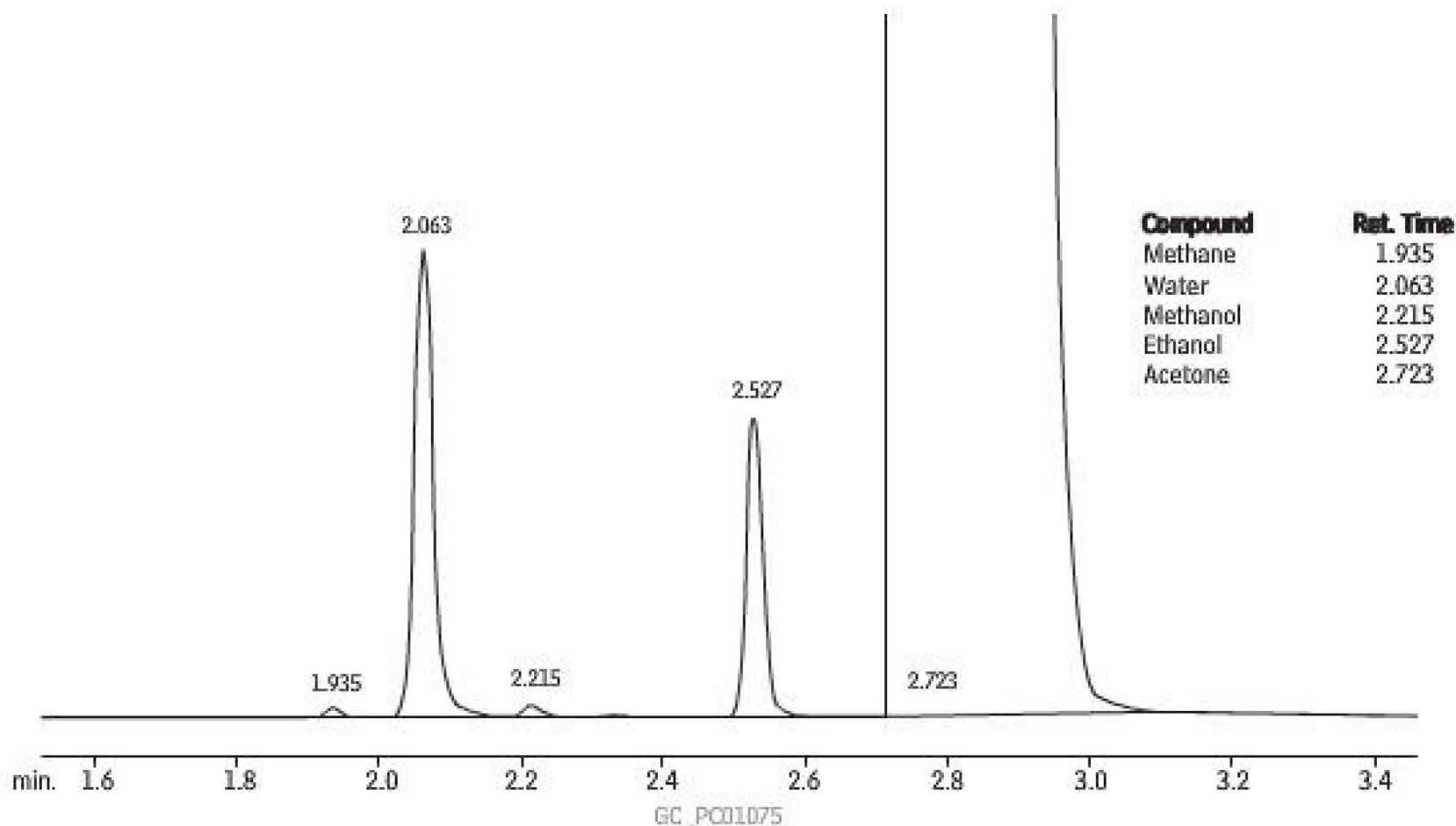
1. hydrogen	40ppm
2. argon	30ppm
3. oxygen	50ppm
4. nitrogen	50ppm
5. methane	40ppm
6. carbon monoxide	50ppm

Excellent
peak shape
for carbon
monoxide.

GC_PC00898

Column: Rt[®]-Msieve 5A, 30m, 0.53mm ID, 50 μ m (cat.# 19723)
Sample: permanent gases (ppm)
Inj.: 5 μ L sample loop, 6-port Valco[®] valve, valve temp.: ambient
Inj. temp.: 200 $^{\circ}$ C
Carrier gas: helium, constant flow
Flow: 5mL/min.
Oven temp.: 27 $^{\circ}$ C (hold 5 min.) to 100 $^{\circ}$ C @ 10 $^{\circ}$ C/min. (hold 5 min.)
Det.: Valco[®] helium ionization detector @ 150 $^{\circ}$ C

Water and ethanol in acetone on an Rt[®]-Q-BOND PLOT column.



Column: Rt[®]-Q-BOND, 30m, 0.53mm ID, 20µm (cat.# 19742)
Sample: 0.5% water and ethanol in acetone
Inj.: 3µL split (split ratio 11:1), 4mm single gooseneck liner w/ wool (cat.# 22405)
Inj. temp.: 250°C
Carrier gas: helium, constant flow
Linear velocity: 28.7cm/sec. @ 200°C
Oven temp.: 200°C, isothermal
Det.: TCD @ 260°C

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