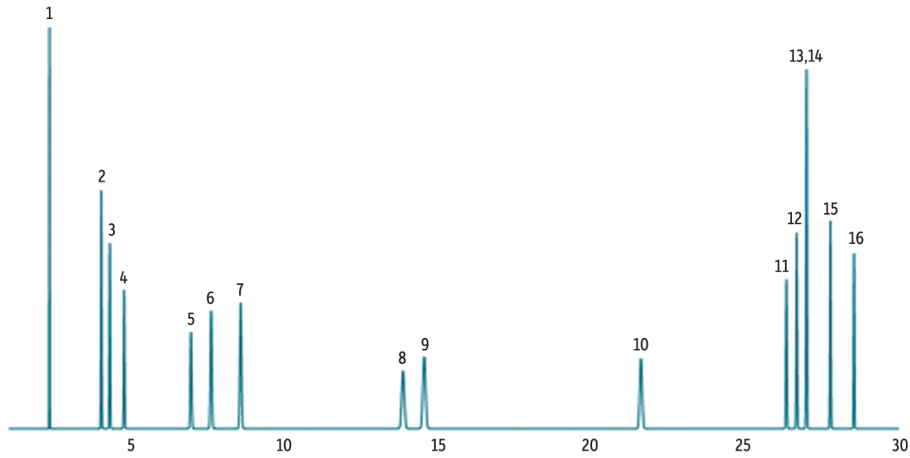
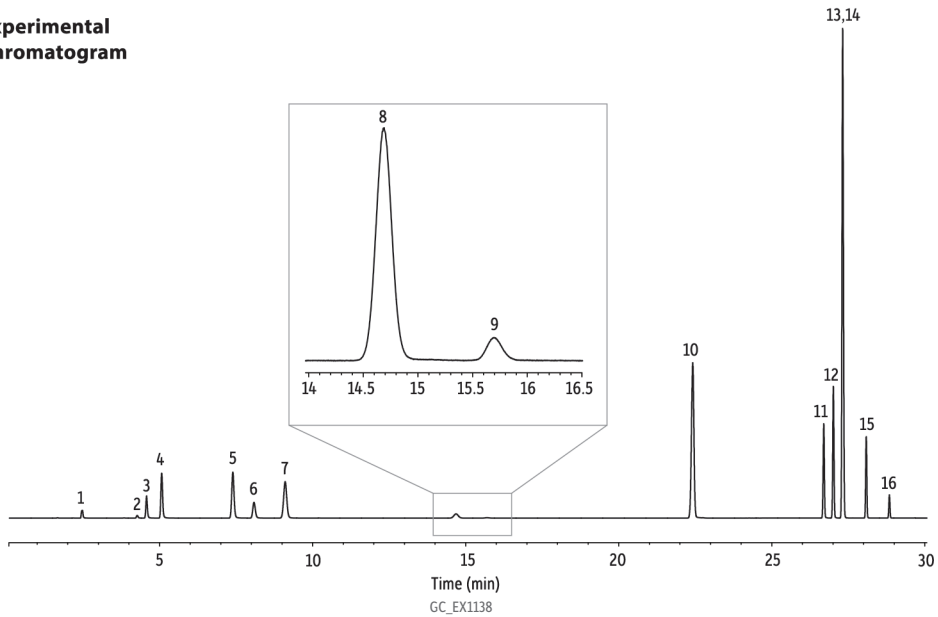


Residual Solvents Class 2 — Mix A on Rxi-624Sil MS (G43) by USP <467> (Model vs. Experimental)

Pro EZGC Model



Experimental Chromatogram



Peaks

1. Methanol
2. Acetonitrile
3. Methylene chloride
4. *trans*-1,2-Dichloroethene
5. *cis*-1,2-Dichloroethene
6. Tetrahydrofuran
7. Cyclohexane
8. Methylcyclohexane
9. 1,4-Dioxane
10. Toluene
11. Chlorobenzene
12. Ethylbenzene
13. *m*-Xylene
14. *p*-Xylene
15. *o*-Xylene
16. Cumene

Column

Rxi-624Sil MS, 30 m, 0.32 mm ID, 1.80 µm (cat.# 13870)

Sample

Residual solvents Class 2 — Mix A (2013 Rev) (cat.# 36012)

Diluent:

Water

Injection

Inj. Vol.: 1,000 µL headspace-loop split (split ratio 5:1)
Liner: Premium 1.0 mm ID straight inlet liner (cat.# 23333)

Headspace-Loop

Inj. Port Temp.: 140 °C
Instrument: Tekmar HT-3
Inj. Time: 1.0 min
Transfer Line Temp.: 105 °C
Valve Oven Temp.: 105 °C
Needle Temp.: 85 °C
Sample Temp.: 80 °C
Sample Equil. Time: 60 min
Mixer time: 5.0 min
Mixing level: 5
Mixer stabilize time: 0.50 min

Vial Pressure: 10 psi
Pressurize Time: 5.0 min
Pressure Equilibration Time: 0.20 min
Loop Pressure: 5.0 psi
Loop Fill Time: 2.0 min

Oven

Oven Temp.: 40 °C (hold 20 min) to 240 °C at 10 °C/min (hold 20 min)

Carrier Gas

Flow Rate: He, constant flow
2.2 mL/min

Detector

Make-up Gas Flow Rate: 45 mL/min

Make-up Gas

Type: N₂
Hydrogen flow: 40 mL/min
Air flow: 450 mL/min

Data Rate:

20 Hz

Instrument

Agilent/HP6890 GC