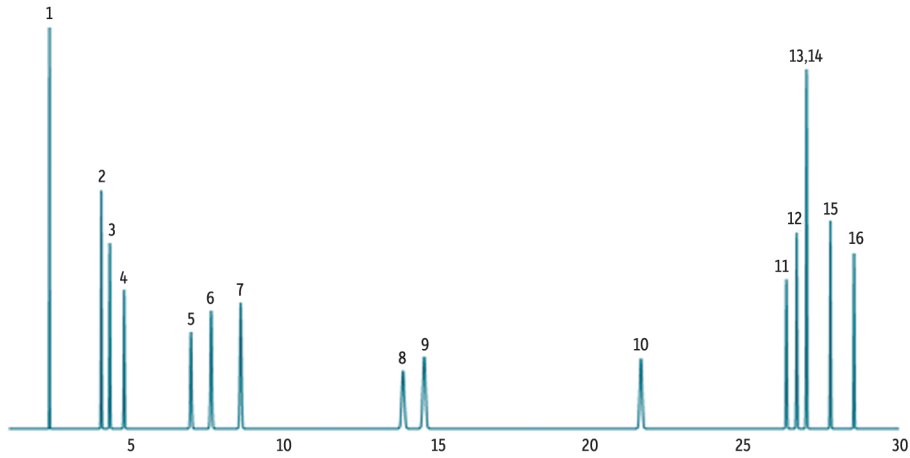
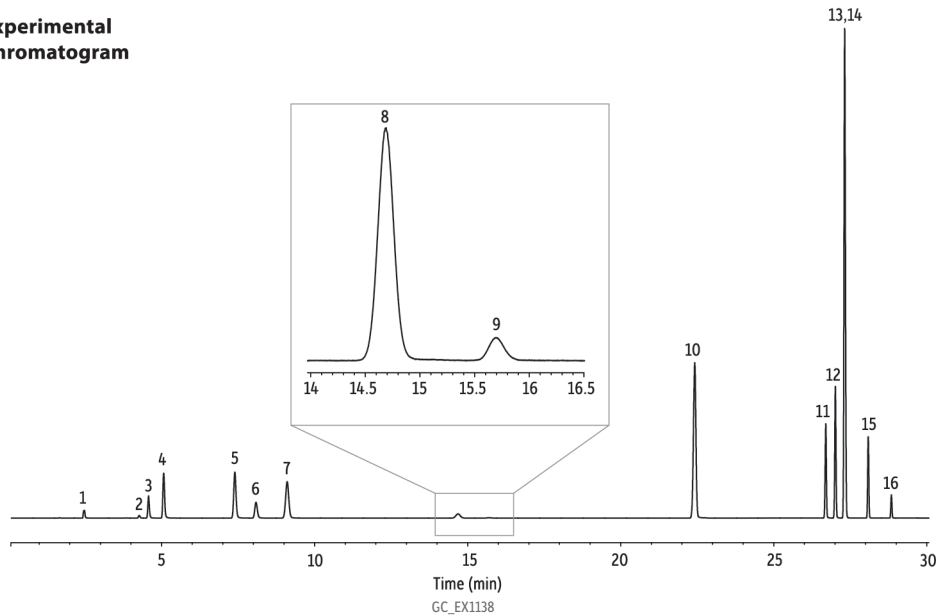


Residual Solvents Class 2 — Mix A on Rxi-624Sil MS (G43) by USP <467> (Model vs. Experimental)

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 μ m (cat.# 13870)

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

Diluent: Water

Injection
 Inj. Vol.: 1,000 μ L headspace-loop split (split ratio 5:1)
 Inj. Port Temp.: Premium 1.0 mm ID straight inlet liner (cat.# 23333.1)

Headspace-Loop
 Inj. Port Temp.: 140 $^{\circ}$ C
 Instrument: Tekmar HT-3
 Inj. Time: 1.0 min
 Transfer Line Temp.: 105 $^{\circ}$ C
 Valve Oven Temp.: 105 $^{\circ}$ C
 Needle Temp.: 85 $^{\circ}$ C
 Sample Temp.: 80 $^{\circ}$ 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 $^{\circ}$ C (hold 20 min) to 240 $^{\circ}$ C at 10 $^{\circ}$ C/min (hold 20 min)

Carrier Gas
Flow Rate: He, constant flow
 2.2 mL/min

Detector
Make-up Gas FID @ 250 $^{\circ}$ C
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