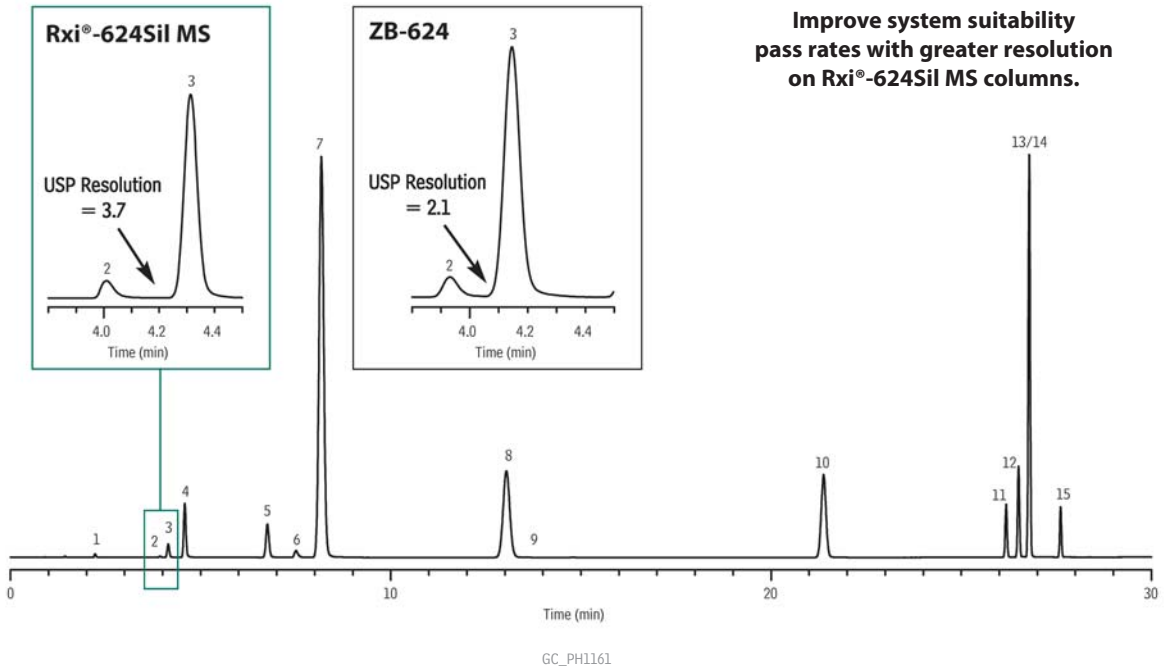
Competitor Comparison: Class 2 - Mix A Residual Solvents for Water-Soluble Articles



Peaks	RT (min.)	Conc. (µg/mL)
1. Methanol	2.281	25.00
2. Acetonitrile	4.009	3.42
3. Dichloromethane	4.313	5.00
4. *trans*-1,2-Dichloroethene	4.798	7.83
5. *cis*-1,2-Dichloroethene	7.028	7.83
6. Tetrahydrofuran	7.706	5.75
7. Cyclohexane	8.708	32.33
8. Methylcyclohexane	14.099	9.83
9. 1,4-Dioxane	15.054	3.17
10. Toluene	22.018	7.42
11. Chlorobenzene	26.570	3.00
12. Ethylbenzene	26.837	3.07
13. *m*-Xylene	27.147	10.85
14. *p*-Xylene	27.147	2.53
15. *o*-Xylene	27.927	1.63

Column	Rxi®-624Sil MS, 30 m, 0.32 mm ID, 1.80 µm (cat.# 13870)
Sample	Residual Solvents Class 2 - Mix A (cat.# 36271)
Diluent:	water
Injection	headspace-loop split (split ratio 5:1)
Liner:	1mm Split (cat.# 20972)
Headspace-Loop	
Inj. Port Temp.:	140 °C
Instrument:	Tekmar HT3
Inj. Time:	1 min.
Transfer Line Temp.:	110 °C
Valve Oven Temp.:	110 °C
Sample Temp.:	80 °C
Sample Equil. Time:	60 min.
Vial Pressure:	10 psi
Pressurize Time:	0.5 min.
Pressure Equilibration Time:	0.05 min.
Loop Pressure:	5 psi
Loop Fill Time:	0.1 min.
Oven	
Oven Temp:	40 °C (hold 20 min.) to 240 °C at 10 °C/min. (hold 20 min.)
Carrier Gas	He, constant flow
Linear Velocity:	35 cm/sec.
Dead Time:	1.45 min. @ 40 °C
Detector	FID @ 250 °C
Data Rate:	5 Hz
Instrument	Agilent/HP6890 GC
Acknowledgement	Teledyne Tekmar

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