Application Report 11

Industrial Solvents on SUPELCOWAX 10

In this application we analyzed a mix of 58 commonly used industrial solvents on the SUPELCOWAX 10. This polar column offered excellent peak shape, response and resolution and would be beneficial to use in combination with a nonpolar column such as the Equity-1 for this application.

Key Words

solvents, SUPELCOWAX, 24211, polar

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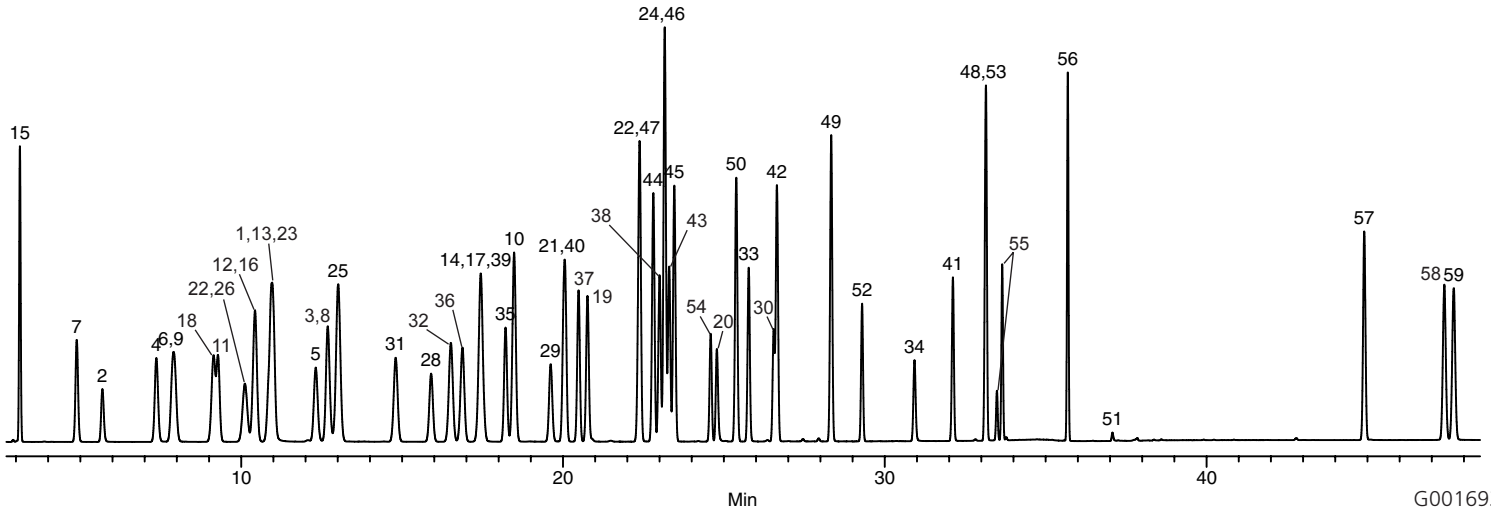
Raw Data File Name:
GS100APP\SWAX0213.D

Acquisition System: GC 6248



Conditions

Column:	SUPELCOWAX 10, 30m x 0.32mm ID, 1.0µm
Cat. No.:	24211
Oven:	35°C (8 min) to 130°C @ 4°C/min (2 min)
Inj.:	250°C
Det.:	FID, 250°C
Flow:	Helium, 25cm/sec constant @ 35°C
Injection:	0.5µL, split 200:1
Liner:	Split cup design
Sample:	0.5µL of a 59 component neat solvent mixture

Peak IDs

1. Methanol
2. Methyl formate
3. Ethanol
4. Acetone
5. 2-Propanol
6. Ethyl formate
7. 1,1-Dichloroethylene
8. Methylene chloride
9. Methyl acetate
10. 1-Propanol
11. trans-1,2-Dichloroethylene
12. 1,1-Dichloroethane
13. 2-Butanone
14. sec-Butanol
15. Hexane
16. Ethyl acetate
17. Chloroform
18. Tetrahydrofuran
19. Isobutanol
20. 2-Methoxyethanol
21. 1,2-Dichloroethane
22. 1,1,1-Trichloroethane
23. Isopropyl acetate
24. n-Butanol
25. Benzene
26. Carbon tetrachloride
27. 2-Nitropropane
28. Trichloroethylene
29. 1,4-Dioxane
30. 2-Ethoxyethanol (cellosolve)
31. n-Propyl acetate
32. 4-Methyl-2-pentanone
33. Isoamyl alcohol
34. Dimethylformamide
35. Toluene
36. Isobutyl acetate
37. 2-Hexanone
38. Mesityl oxide
39. Tetrachloroethene
40. n-Butyl acetate
41. Diacetone alcohol
42. Chlorobenzene
43. 5-Methyl-2-hexanone
44. Ethyl benzene
45. m-Xylene
46. p-Xylene
47. Isoamyl acetate
48. Cyclohexanol
49. Styrene
50. o-Xylene
51. 1,1,2,2-Tetrachloroethane
52. 2-Ethoxyethyl acetate
53. Butyl cellosolve
54. n-Amyl acetate isomers
55. 2-Methylcyclohexanol isomers
56. 1,2-Dichlorobenzene
57. 2-Methylphenol
58. 3-Methylphenol
59. 4-Methylphenol

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