

CoreFocus
Report
No.417

GCMS

MS

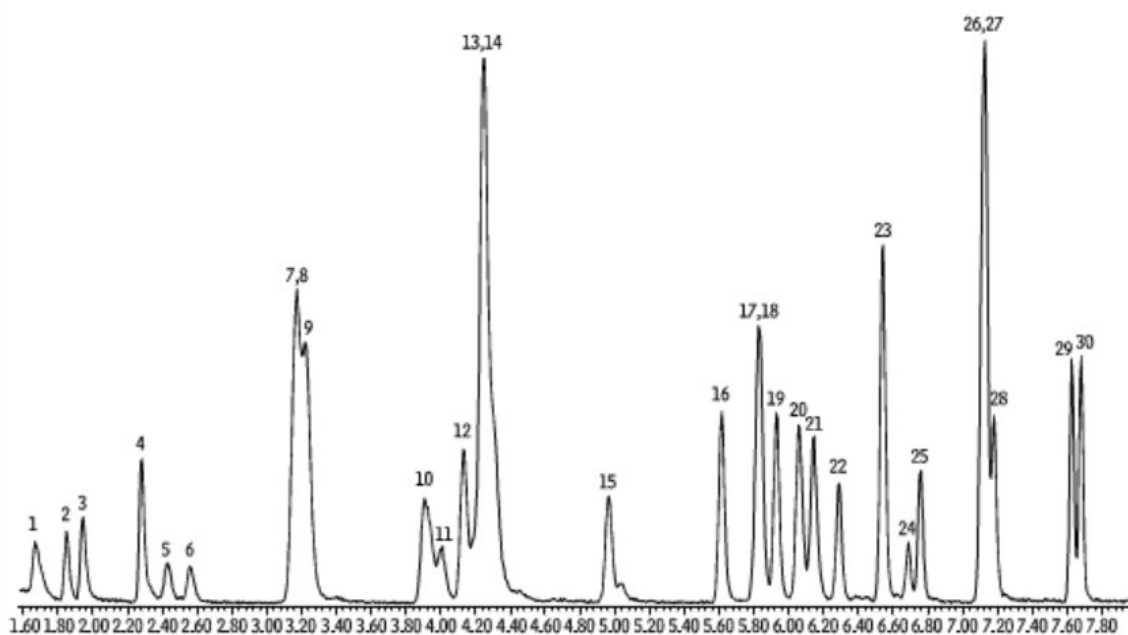
PT

SH Series

SH-VMS

Analysis of Volatile Organics (US EPA CLP 04.1)

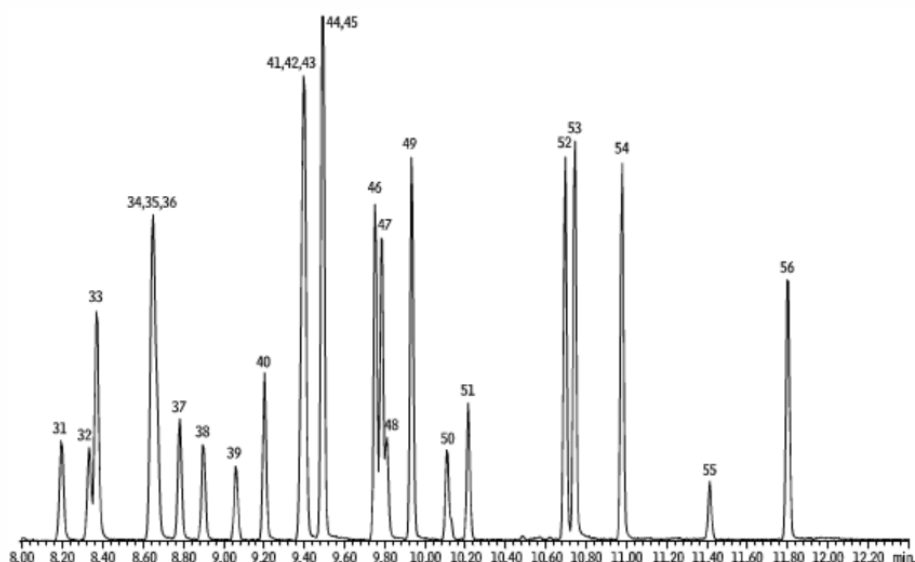
Keywords: VOC, environmental analysis



1. Dichlorodifluoromethane
2. Chloromethane
3. Vinyl chloride
4. Bromomethane
5. Chloroethane
6. Trichlorofluoromethane
7. 1,1-Dichloroethene
8. Carbon disulfide
9. 1,1,2-Trichloro-1,2,2-trifluoroethane
10. Methylene chloride

11. Acetone
12. trans-1,2-Dichloroethene
13. Methyl acetate
14. Methyl tert-butyl ether
15. 1,1-Dichloroethane
16. cis-1,2-Dichloroethane
17. Cyclohexane
18. Bromochloromethane (IS)
19. Chloroform
20. Carbon tetrachloride

21. 1,1,1-Trichloroethane
22. 2-Butanone
23. Benzene
24. 1,2-Dichloroethane-d4 (SS)
25. 1,2-Dichloroethane
26. Methylcyclohexane
27. Trichloroethene
28. 1,4-Difluorobenzene (IS)
29. 1,2-Dichloropropane
30. Bromodichloromethane



- | | |
|-------------------------------|---------------------------------|
| 31. cis-1,3-Dichloropropene | 44. m-Xylene |
| 32. Toluene d8 (SS) | 45. p-Xylene |
| 33. Toluene | 46. o-Xylene |
| 34. Tetrachloroethane | 47. Styrene |
| 35. 4-Methyl-2-pentanone | 48. Bromoform |
| 36. trans-1,3-Dichloropropane | 49. Isopropylbenzene |
| 37. 1,1,2-Trichloroethane | 50. 4-Bromofluorobenzene (SS) |
| 38. Dibromochloromethane | 51. 1,1,2,2-Tetrachloroethane |
| 39. 1,2-Dibromoethane | 52. 1,3-Dichlorobenzene |
| 40. 2-Hexanone | 53. 1,4-Dichlorobenzene |
| 41. Chlorobenzene d5 (IS) | 54. 1,2-Dichlorobenzene |
| 42. Chlorobenzene | 55. 1,2-Dibromo-3-chloropropane |
| 43. Ethylbenzene | 56. 1,2,4-Trichlorobenzene |

		Purge and Trap	
Instrument	: GCMS	Trap	: #10 (Tenax®/silica gel/carbon molecular sieve)
Column	: SH-VMS (30 m x 0.25 mmI.D. df = 1.40 µm), P/N: 227-36268-01	Sample Temp	: ambient
Column Temp.	: 40 °C (4 min) - 16 °C/min - 90 °C - 32 °C/min - 220 °C (5 min)	Purge	: 11 min at 40 mL/min
Carrier Gas	: He, constant flow (linear velocity 34 cm/s, 40 °C)	Desorb preheat	: 185 °C
Split Ratio	: 1:35	Desorb	: 0.5 min at 190 °C
Inj. Temp	: 200 °C	Desorb flow rate	: 35.0 mL/min
Detector	: MS	Bake	: 8 min at 210 °C
	Transfer Line Temp : 150 °C	Interface	: split injector
	Scan Range : 35 - 300 amu.	Transfer Line Temp	: 150 °C
	Ionization : EI		

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