

Detailed Hydrocarbons Analysis Rtx®-DHA-100

- | Peaks | Peaks |
|--|--------------------------------|
| 1. Ethanol | 16. Toluene |
| 2. C5 | 17. C8 |
| 3. <i>tert</i> -Butanol | 18. Ethylbenzene |
| 4. 2-Methylbutene-2 | 19. <i>p</i> -Xylene |
| 5. 2,3-Dimethylbutane | 20. 2,3-Dimethylheptane |
| 6. Methyl <i>tert</i> -Butyl Ether (MTBE) | 21. C9 |
| 7. C6 | 22. 5-Methylnonane |
| 8. 1-Methylcyclopentene | 23. 1,2-Methylethylbenzene |
| 9. Benzene | 24. C10 |
| 10. Cyclohexane | 25. C11 (undecane) |
| 11. 3-Ethylpentane | 26. 1,2,3,5-Tetramethylbenzene |
| 12. 1- <i>tert</i> -2-Dimethylcyclopentane | 27. Naphthalene |
| 13. C7 | 28. C12 (dodecane) |
| 14. 2,2,3-Trimethylpentane | 29. 1-Methylnaphthalene |
| 15. 2,3,3-Trimethylpentane | 30. C13 (tridecane) |

Column Rtx®-DHA-100, 100 m, 0.25 mm ID, 0.50 µm (cat.# 10148)
 using Rtx®-5 DHA tuning column, 2.62m, 0.25mm ID, 1.0µm (cat.# 10165)

Sample Conc.: Custom detailed hydrocarbons analysis (DHA) mix
Neat

Injection
Conc.: 0.1 µL split (split ratio 150:1)
Inj. Vol.: Cup splitter with Siltek® deactivation (cat.# 20709-214.1)
Liner: 200 °C

Inj. Temp.: 200 °C

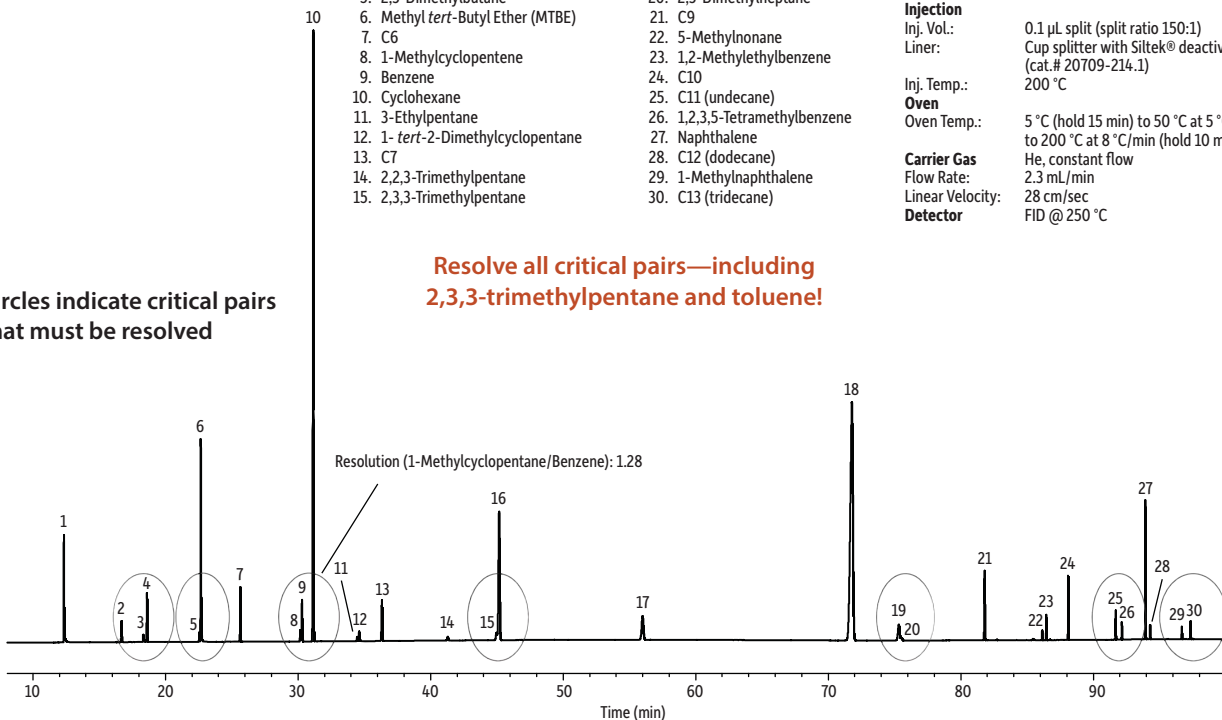
Oven
Oven Temp.: 5 °C (hold 15 min) to 50 °C at 5 °C/min (hold 50 min) to 200 °C at 8 °C/min (hold 10 min)

Carrier Gas
Flow Rate: He, constant flow 2.3 mL/min
Linear Velocity: 28 cm/sec

Detector FID @ 250 °C

Circles indicate critical pairs that must be resolved

Resolve all critical pairs—including 2,3,3-trimethylpentane and toluene!



GC_PC00743