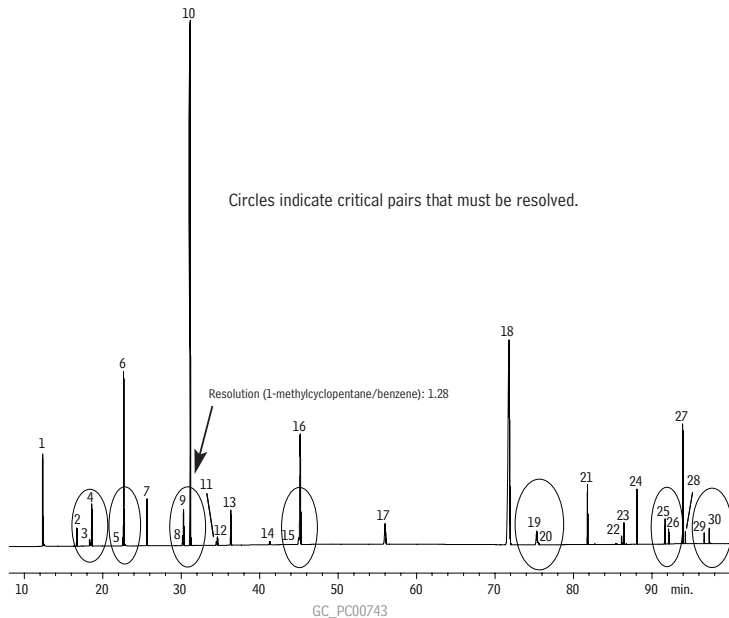


Detailed Hydrocarbons Analysis Rtx®-DHA-100



- | | |
|--|--------------------------------|
| 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, 100m, 0.25mm ID, 0.5 μ m (cat.# 10148)
plus Rtx®-5 DHA tuning column, 2.62m, 0.25mm ID,
1.0 μ m, connected via Press-Tight® connector
(cat.# 20446)

Sample: custom detailed hydrocarbon analysis
(DHA) mix, neat

Inj.: 0.01 μ L, split (split ratio 150:1), 4mm cup
inlet liner (cat.# 20709)

Inj. temp.: 200°C

Carrier gas: helium, constant flow

Linear velocity: 28cm/sec. (2.3mL/min.)

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

Det.: FID @ 250°C

Note: Rtx®-DHA columns were previously named Rtx®-1PONA columns. The column name was changed for better alignment with DHA methods; no changes were made to the product or manufacturing process. The name change does not affect product performance.