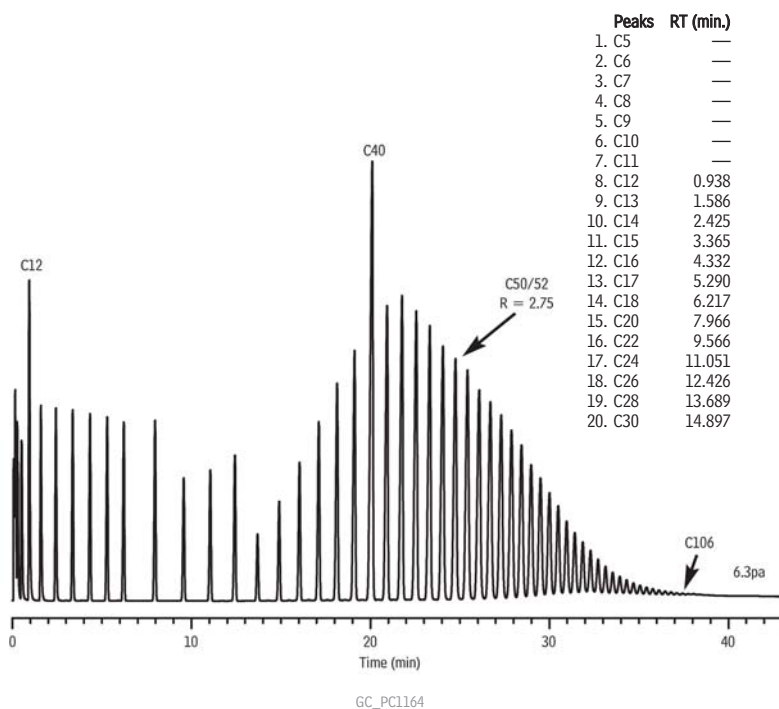


C5-C106 Hydrocarbons on MXT®-1HT SimDist at 450 °C

NEW!

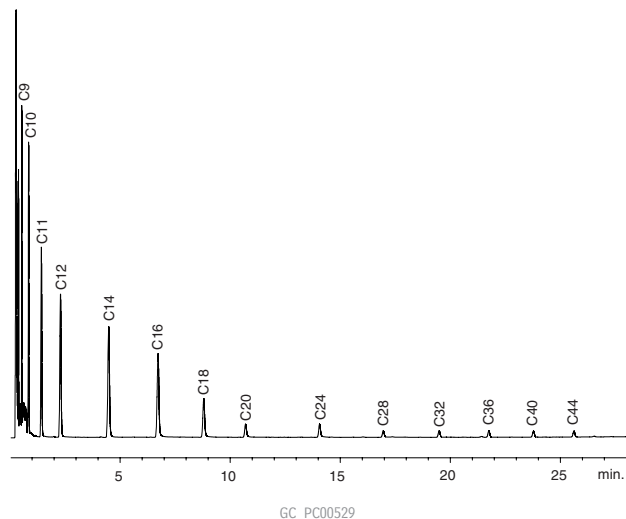


Peaks	RT (min.)
1. C5	—
2. C6	—
3. C7	—
4. C8	—
5. C9	—
6. C10	—
7. C11	—
8. C12	0.938
9. C13	1.586
10. C14	2.425
11. C15	3.365
12. C16	4.332
13. C17	5.290
14. C18	6.217
15. C20	7.966
16. C22	9.566
17. C24	11.051
18. C26	12.426
19. C28	13.689
20. C30	14.897

Peaks	RT (min.)
21. C32	16.035
22. C34	17.110
23. C36	18.133
24. C38	19.108
25. C40	20.096
26. C42	20.923
27. C44	21.759
28. C46	22.556
29. C48	23.317
30. C50	24.051
31. C52	24.752
32. C54	25.422
33. C56	26.079
34. C58	26.701
35. C60	27.305
36. C62	27.878
37. C64	28.439
38. C66	28.975
39. C68	29.499
40. C70	30.002

Peaks	RT (min.)
41. C72	30.489
42. C74	30.906
43. C76	31.414
44. C78	31.862
45. C80	32.294
46. C82	32.719
47. C84	33.132
48. C86	33.529
49. C88	33.927
50. C90	34.310
51. C92	34.689
52. C94	35.059
53. C96	35.423
54. C98	35.773
55. C100	36.120
56. C102	36.463
57. C104	36.793
58. C106	37.118

Column Sample MXT®-1HT SimDist, 5 m, 0.53 mm ID, 0.10 μ m (cat.# 70112)
 custom C5-C106 hydrocarbon standard
Diluent: carbon disulfide
Conc.: 1%
Injection
 Inj. Vol.: 0.5 μ L cold on-column
 Temp. Program: 53°C to 450°C at 10°C/min. (hold 5 min.)
Oven
 Oven Temp: 50 °C to 450 °C at 10 °C/min. (hold 5 min.)
Carrier Gas He, constant flow
 Flow Rate: 18 mL/min.
Detector FID @ 450 °C
 Make-up
 Gas Flow Rate: 24 mL/min.
 Constant Column + Constant Make-up: 42 mL/min.
 Make-up
 Gas Type: N₂
 Data Rate: 20 Hz
Instrument Shimadzu 2010 GC

Hydrocarbons (C10-C44)
MXT®-1HT Sim Dist

Column: MXT®-1HT Sim Dist, 5m, 0.53mm ID, 0.10 μ m (cat.# 70100)
Sample: 0.2 μ L hydrocarbon standard (cat.# 31222)
Solvent: carbon disulfide
Oven temp.: 40°C to 430°C @ 10°C/min. (hold 30 min.)
Injector: on-column (track oven)
Carrier gas: helium (constant pressure)
Head pressure: 1.0psi
Linear velocity: 60cm/sec.
Flow rate: 7.8mL/min.
Det.: FID @ 430°C
Make-up gas flow: 40cc/min.

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