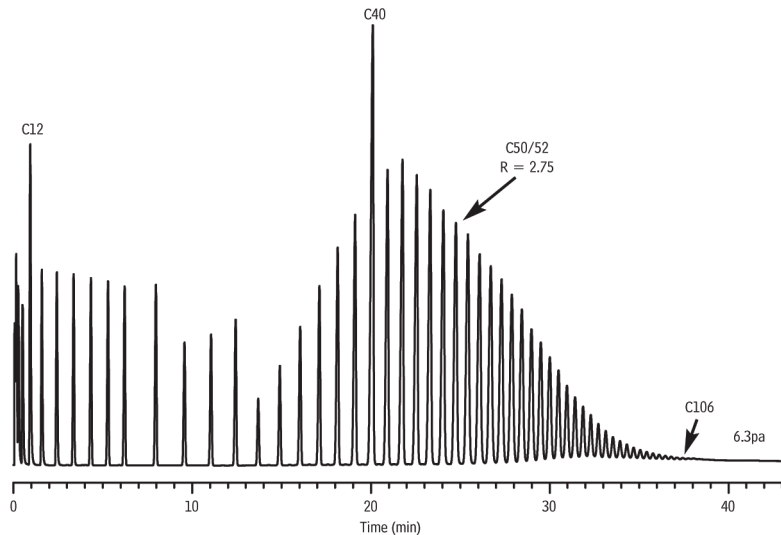


# C5-C106 Hydrocarbons on MXT®-1HT SimDist at 450 °C



GC\_PC1164

Peaks	RT (min.)	Peaks	RT (min.)	Peaks	RT (min.)
1. C5	—	21. C32	16.035	41. C72	30.489
2. C6	—	22. C34	17.110	42. C74	30.906
3. C7	—	23. C36	18.133	43. C76	31.414
4. C8	—	24. C38	19.108	44. C78	31.862
5. C9	—	25. C40	20.096	45. C80	32.294
6. C10	—	26. C42	20.923	46. C82	32.719
7. C11	—	27. C44	21.759	47. C84	33.132
8. C12	0.938	28. C46	22.556	48. C86	33.529
9. C13	1.586	29. C48	23.317	49. C88	33.927
10. C14	2.425	30. C50	24.051	50. C90	34.310
11. C15	3.365	31. C52	24.752	51. C92	34.689
12. C16	4.332	32. C54	25.422	52. C94	35.059
13. C17	5.290	33. C56	26.079	53. C96	35.423
14. C18	6.217	34. C58	26.701	54. C98	35.773
15. C20	7.966	35. C60	27.305	55. C100	36.120
16. C22	9.566	36. C62	27.878	56. C102	36.463
17. C24	11.051	37. C64	28.439	57. C104	36.793
18. C26	12.426	38. C66	28.975	58. C106	37.118
19. C28	13.689	39. C68	29.499		
20. C30	14.897	40. C70	30.002		

**Column** MXT®-1HT SimDist, 5 m, 0.53 mm ID, 0.10  $\mu$ m (cat.# 70112)  
**Sample** custom C5-C106 hydrocarbon standard  
**Diluent:** carbon disulfide  
**Conc.:** 1%  
**Injection**  
**Inj. Vol.:** 0.5  $\mu$ 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:** 1.8 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:** N<sub>2</sub>  
**Data Rate:** 20 Hz  
**Instrument** Shimadzu 2010 GC