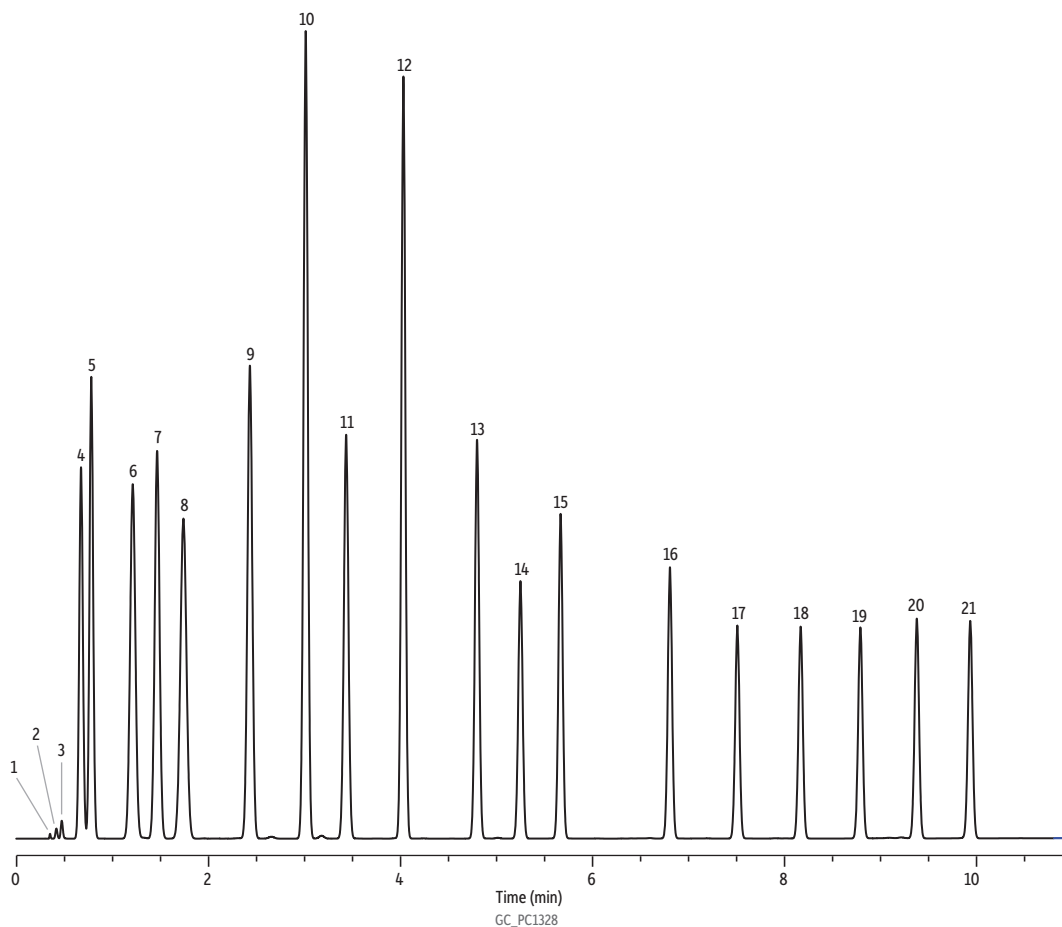


# Simulated Distillation of Gasoline on MXT-1 (ASTM D7096-16)



Peaks	tr (min)	Conc. (vol. %)	Peaks	tr (min)	Conc. (vol. %)
1. <i>n</i> -Propane	0.353	-	11. <i>n</i> -Octane	3.438	6.7
2. 2-Methylpropane	0.419	-	12. <i>p</i> -Xylene	4.034	8.2
3. <i>n</i> -Butane	0.475	-	13. <i>n</i> -Propylbenzene	4.802	4.5
4. 2-Methylbutane	0.676	6.5	14. <i>n</i> -Decane	5.254	3.7
5. <i>n</i> -Pentane	0.782	7.8	15. <i>n</i> -Butylbenzene	5.672	3.8
6. 2-Methylpentane	1.214	7.5	16. <i>n</i> -Dodecane	6.812	3.8
7. <i>n</i> -Hexane	1.469	7.6	17. <i>n</i> -Tridecane	7.514	2.9
8. 2,4-Dimethylpentane	1.742	7.6	18. <i>n</i> -Tetradecane	8.173	2.9
9. <i>n</i> -Heptane	2.435	8.4	19. <i>n</i> -Pentadecane	8.796	2.7
10. Toluene	3.017	9.5	20. <i>n</i> -Hexadecane	9.383	2.8
			21. <i>n</i> -Heptadecane	9.940	2.9

**Column** MXT-1, 15 m, 0.53 mm ID, 5.00 µm (cat.# 70177)  
**Injection**  
 Inj. Vol.: 0.5 µL split (split ratio 50:1)  
 Liner: Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)  
 Inj. Temp.: 250 °C  
**Oven**  
 Oven Temp.: 40 °C (hold 1 min) to 230 °C at 20 °C/min (hold 4 min)  
**Carrier Gas** He, constant flow  
**Flow Rate:** 15 mL/min  
**Detector** FID @ 250 °C  
 Constant Column +  
 Constant Make-up: 30 mL/min  
 Make-up Gas Type: He  
 Hydrogen flow: 40 mL/min  
 Air flow: 400 mL/min  
**Instrument** Agilent 7890B GC