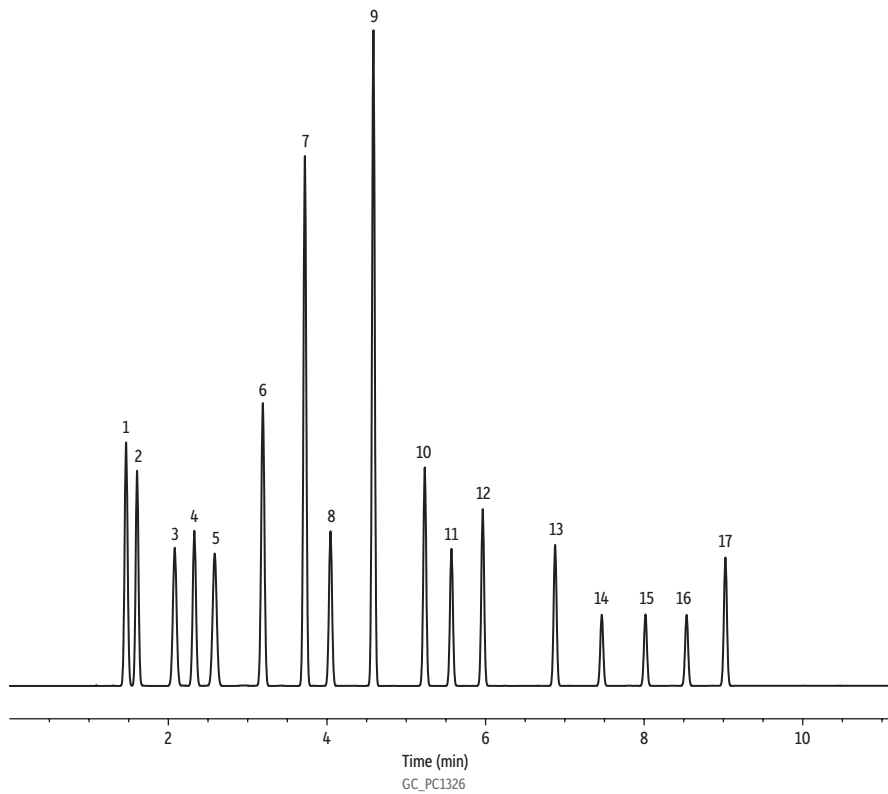


Simulated Distillation of Gasoline on MXT-1 (ASTM D7096-16)



Peaks	tr (min)	Conc. (vol.%)	Peaks	tr (min)	Conc. (vol.%)
1. 2-Methylbutane	1.467	9.6	9. <i>p</i> -Xylene	4.586	13.5
2. <i>n</i> -Pentane	1.605	7.7	10. <i>n</i> -Propylbenzene	5.234	4.8
3. 2-Methylpentane	2.080	5.8	11. <i>n</i> -Decane	5.570	3.8
4. <i>n</i> -Hexane	2.328	5.8	12. <i>n</i> -Butylbenzene	5.965	3.8
5. 2,4-Dimethylpentane	2.584	5.8	13. <i>n</i> -Dodecane	6.877	3.8
6. <i>n</i> -Heptane	3.191	9.6	14. <i>n</i> -Tridecane	7.466	1.9
7. Toluene	3.721	11.5	15. <i>n</i> -Tetradecane	8.017	1.9
8. <i>n</i> -Octane	4.045	4.8	16. <i>n</i> -Pentadecane	8.536	1.9
			17. <i>n</i> -Hexadecane	9.025	3.8

Column MXT-1, 30 m, 0.53 mm ID, 5.00 µm (cat.# 70179)
Injection
 Inj. Vol.: 1 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 245 °C at 25 °C/min (hold 4 min)
Carrier Gas He, flow program
Flow Program: 5 mL/min (hold 0.5 min) to 20 mL/min at 60 mL/min/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