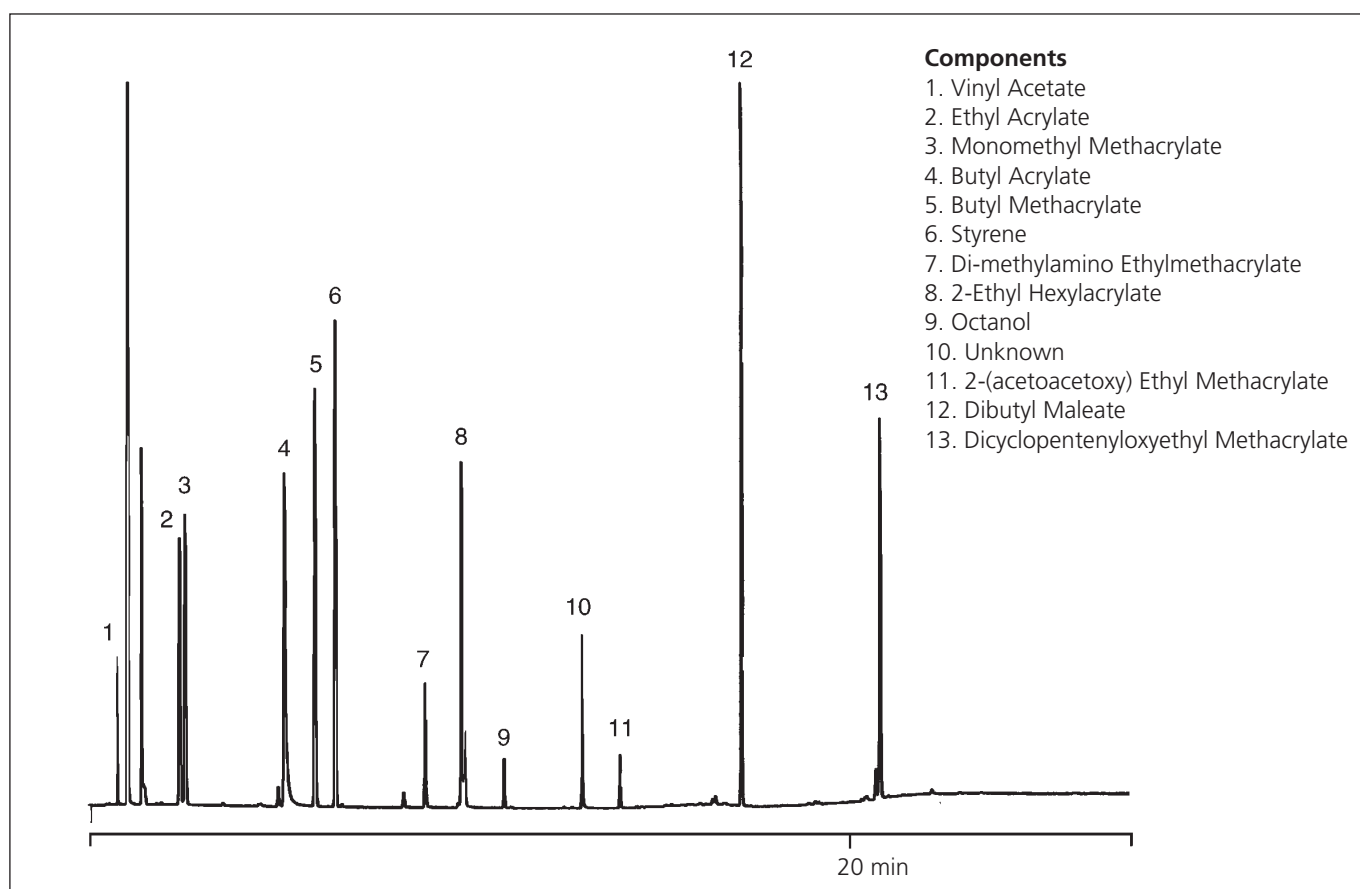


# ANALYSIS OF UNREACTED MONOMERS IN LATEX ON BP20

**Column Part No.:** 054488  
Phase: BP20, 1.0  $\mu\text{m}$   
Column: 25 m x 0.53 mm ID  
Initial Temp.: 40  $^{\circ}\text{C}$ , 2 min  
Rate: 10  $^{\circ}\text{C}/\text{min}$

Final Temp.: 230  $^{\circ}\text{C}$ , 5 min  
Injector Cond.: Split, 280  $^{\circ}\text{C}$   
Detector: FID, 280  $^{\circ}\text{C}$   
Carrier Gas: Hydrogen, 4 psi

*Note: This was performed by heated headspace analysis*

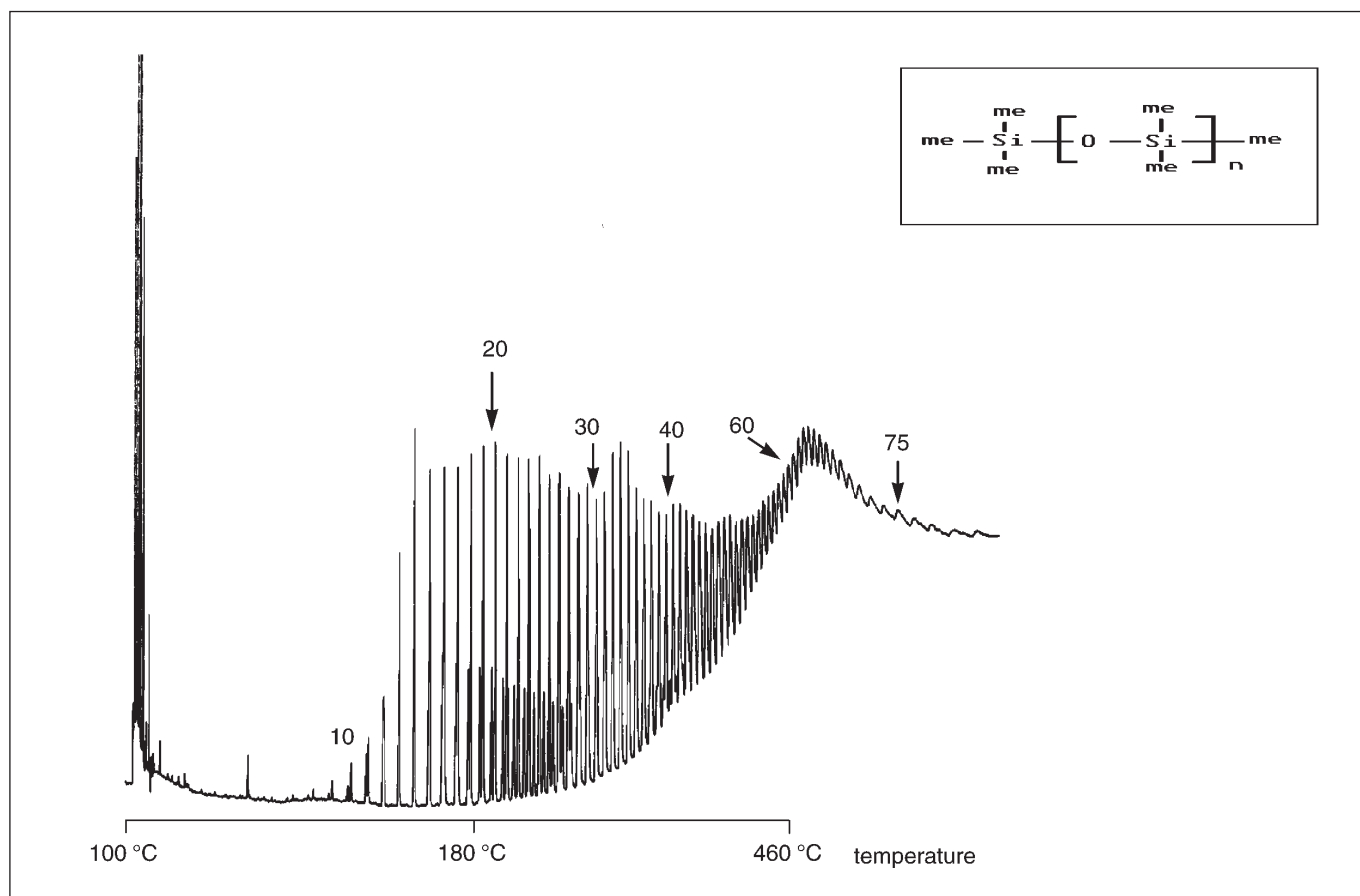


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# ANALYSIS OF DC200 SILICON OIL (500 CS) ON HT5

## DC200 (500 cs)

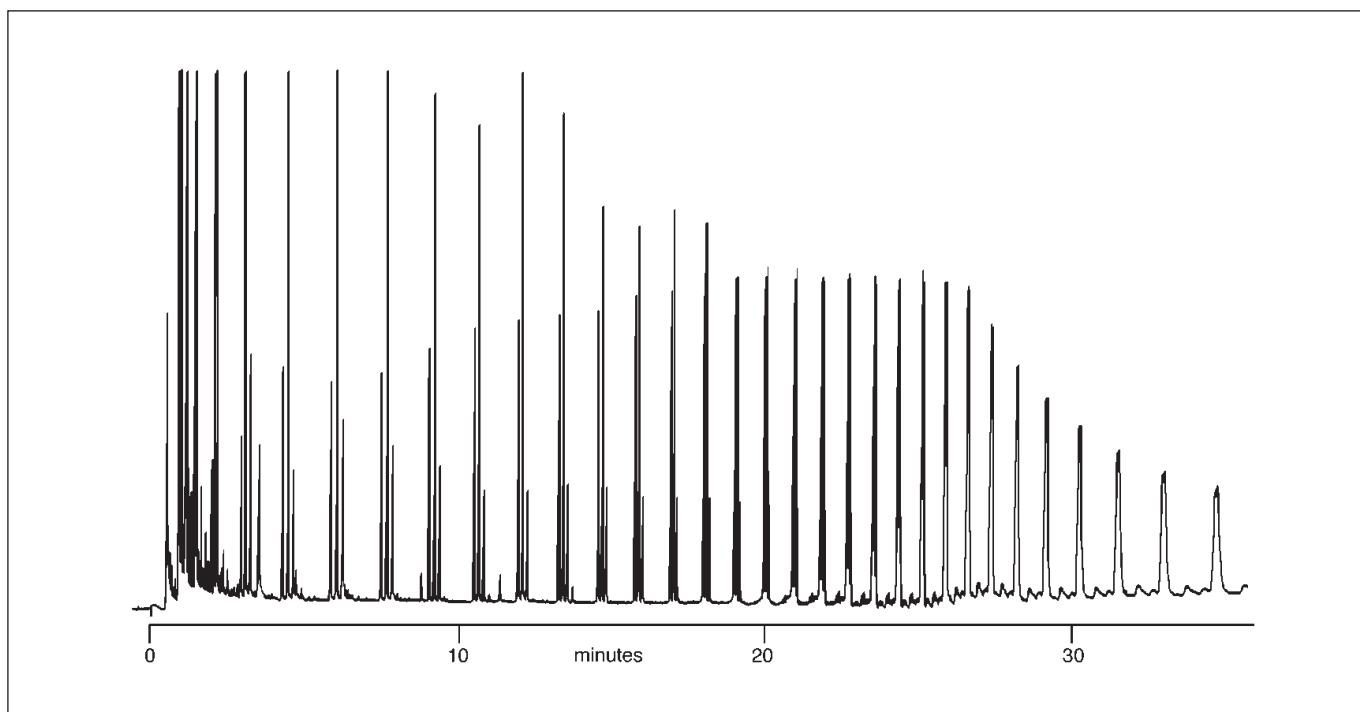
<b>Column Part No.:</b>	<b>054651</b>	Final Temp.:	360 °C
Phase:	HT5, 0.1 µm	Carrier Gas:	H <sub>2</sub> , 10 psi
Column:	12 m x 0.32 mm I.D. (Aluminium Clad)	Detector:	FID
Initial Temp.:	100 °C	Sensitivity:	32 x 10 <sup>-12</sup> AFS
Program Rate:	10 °C/min, 10 min hold	Injection Mode:	On-column



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# PYROLYSIS OF HIGH DENSITY POLYETHYLENE ON BP1

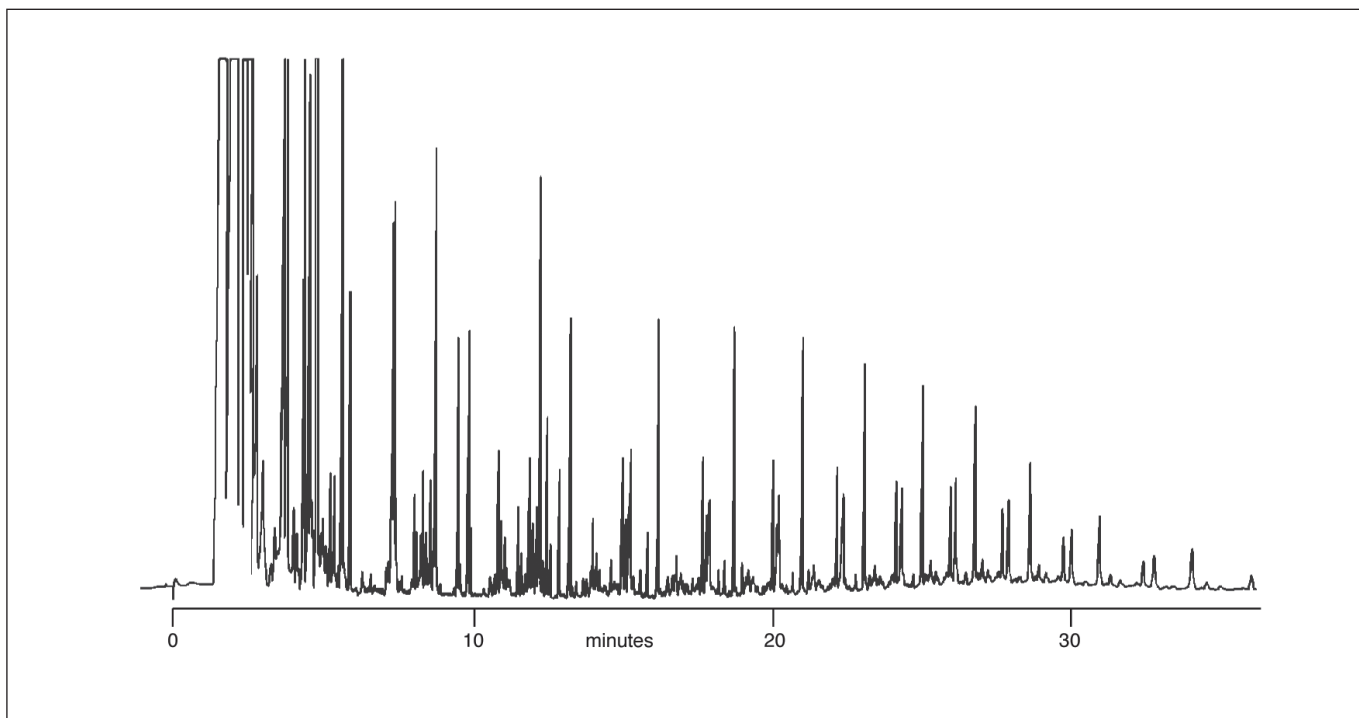
<b>Column Part No.:</b>	<b>054085</b>	Final Temp:	320 °C, 10 min
Phase:	BP1, 0.5 µm	Detector:	FID
Column:	25 m x 0.32 mm ID	Pyrolysis Temp:	800 °C
Initial Temp:	50 °C	Carrier Gas:	H <sub>2</sub> , 5 psi
Rate:	10 °C/min		



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## PYROLYSIS OF POLYPROPYLENE ON BP1

<b>Column Part No.:</b>	<b>054065</b>	Final Temp:	320 °C, 10 min
Phase:	BP1, 0.5 µm	Detector:	FID
Column:	25 m x 0.32 mm ID	Pyrolysis Temp:	800 °C
Initial Temp:	50 °C	Carrier Gas:	H <sub>2</sub> , 5 psi
Rate:	10 °C/min		



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# PYROLYSIS OF STYRENE-ISOPRENE COPOLYMER

## PYROLYSIS OF POLYSTYRENE ON BP1

### PYROLYSIS OF STYRENE-ISOPRENE COPOLYMER

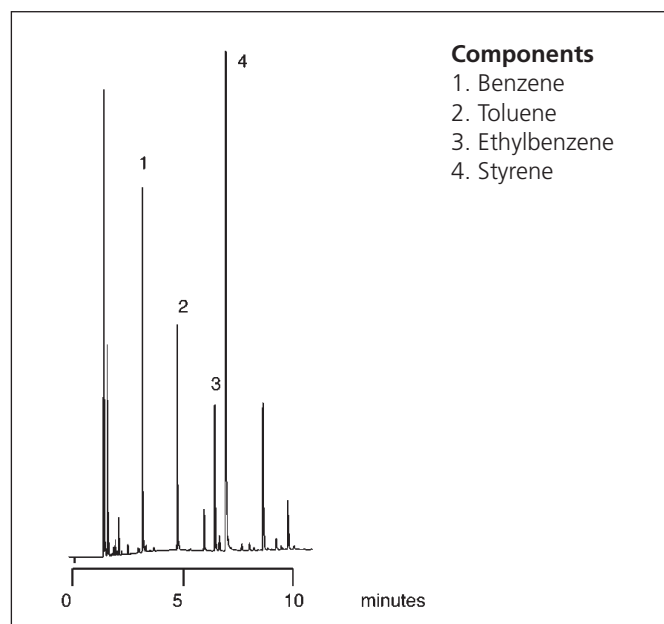
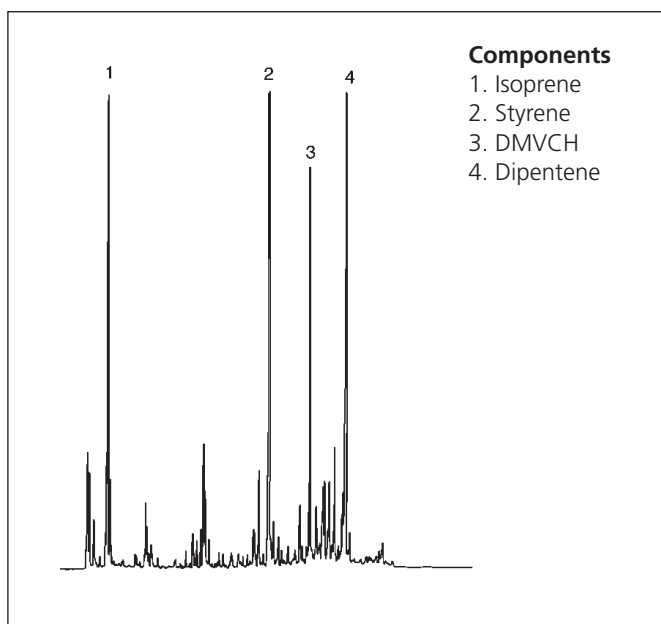
**Column Part No.:** 054053

Phase: BP1, 1.0  $\mu\text{m}$   
 Column: 25 m x 0.22 mm ID  
 Initial Temp.: 40  $^{\circ}\text{C}$ , 1 min  
 Rate: 10  $^{\circ}\text{C}/\text{min}$   
 Final Temp.: 140  $^{\circ}\text{C}$   
 Detector: FID  
 Pyrolysis Temp.: 550  $^{\circ}\text{C}$   
 Carrier Gas:  $\text{H}_2$  10 psi

### PYROLYSIS OF STYRENE-ISOPRENE COPOLYMER

**Column Part No.:** 054065

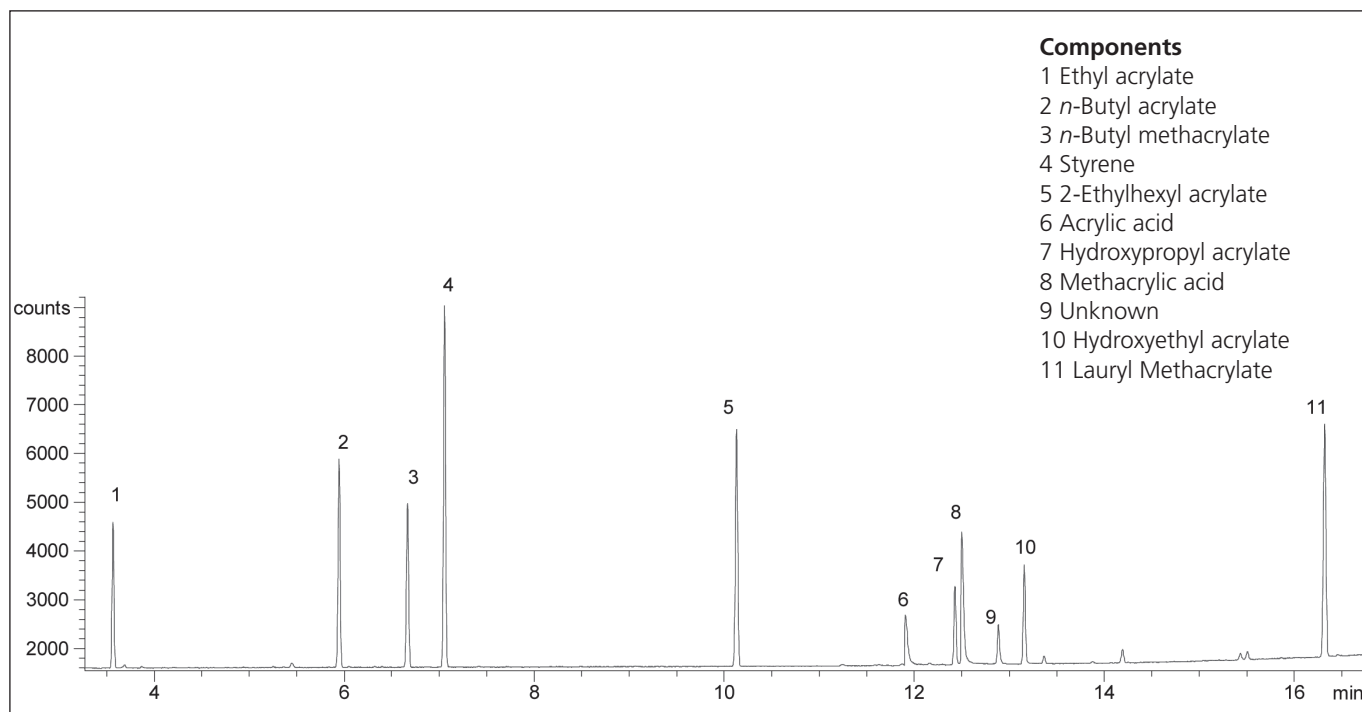
Phase: BP1, 0.5  $\mu\text{m}$   
 Column: 25 m x 0.32 mm ID  
 Initial Temp.: 40  $^{\circ}\text{C}$ , 1 min  
 Rate: 10  $^{\circ}\text{C}/\text{min}$   
 Final Temp.: 130  $^{\circ}\text{C}$   
 Detector: FID  
 Pyrolysis Temp.: 800  $^{\circ}\text{C}$   
 Carrier Gas:  $\text{H}_2$ , 5 psi



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# ANALYSIS OF VARIOUS MONOMERS ON SOLGEL-WAX™

<b>Column Part No.:</b>	<b>054796</b>	Carrier Gas Flow:	1.6 mL/min.
Phase:	SolGel-Wax, 0.25 µm film	Constant Flow:	On
Sample:	250 ppm in Hexane	Average Linear Velocity:	35 cm/sec at 40 °C
Column:	30 m x 0.25 mm ID	Injection Mode:	Split
Initial Temp:	40 °C, 1 min.	Split Ratio:	80:1
Rate 1:	10 °C/min to 250 °C,	Injection Volume:	1 µL
Final Temp:	250 °C,	Injection Temperature:	250 °C
Detector Type:	FID	Autosampler:	No
Detector Temp.:	320 °C	Liner Type:	4 mm ID Single Taper Liner
Carrier Gas:	He, 16.6 psi	Liner Part Number:	092017



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