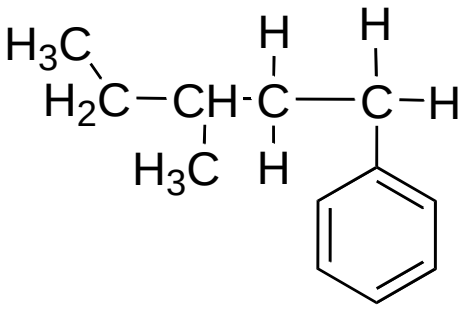
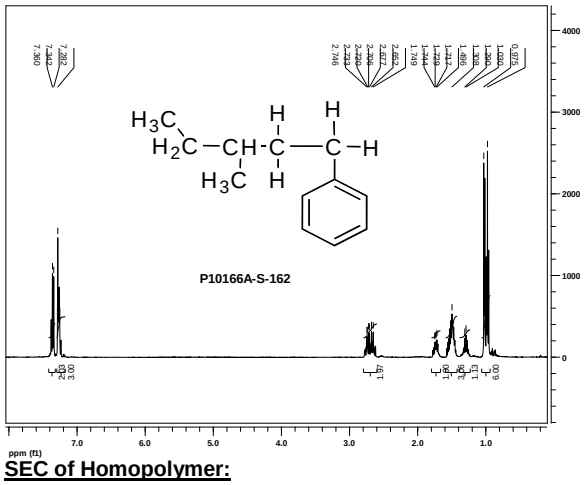
Sample Name: **styrene -162**

Sample #: **P10166A-S-162**

Structure:



Exact Mass: 162.1
Mol. Wt.: 162.3
C, 88.82; H, 11.18



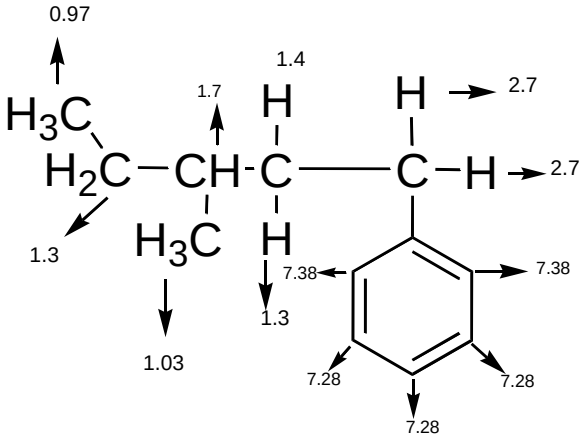
SEC of Homopolymer:

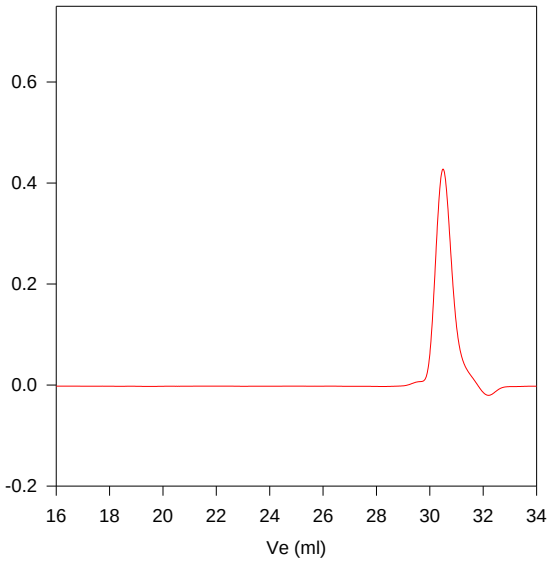
P10166A-S162

Synthesis Procedure:
Oligomers of styrene are obtained by living anionic polymerization of styrene followed by separation by column chromatatography.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. ^{1}H-NMR spectroscopy by comparing the peak area of the aromatic and terminal methyl groups coming from cumyl methyl ether potassium salt use as initiator.





Size Exclusion Chromatography of styrene oligomers

Dp of S monomer is : 1 + Initiator : S-162 Mw/Mn 1.03