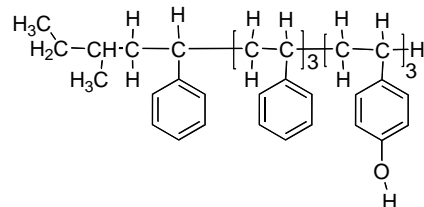


Sample Name: Poly (styrene-*b*-4-hydroxy styrene)

Sample #: P41144-S4OHS

Structure:

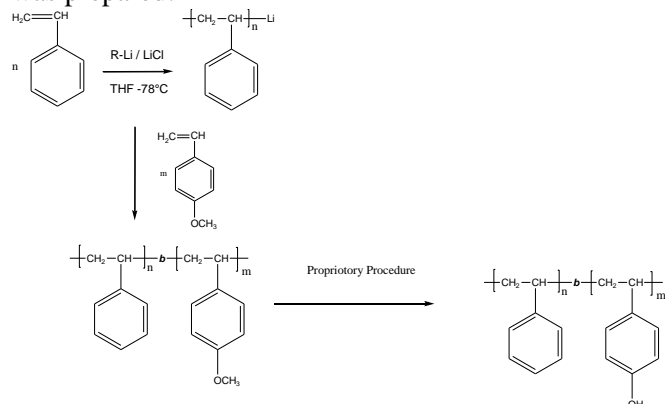


Composition:

Mn x 10 ³ S-b-4HOS	Mw/Mn (PDI)
0.4-b-0.3	1.09

Synthesis Procedure:

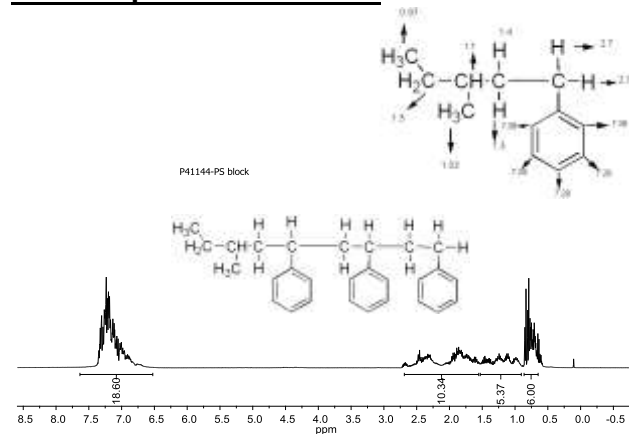
The following reaction scheme shows how the product was prepared:



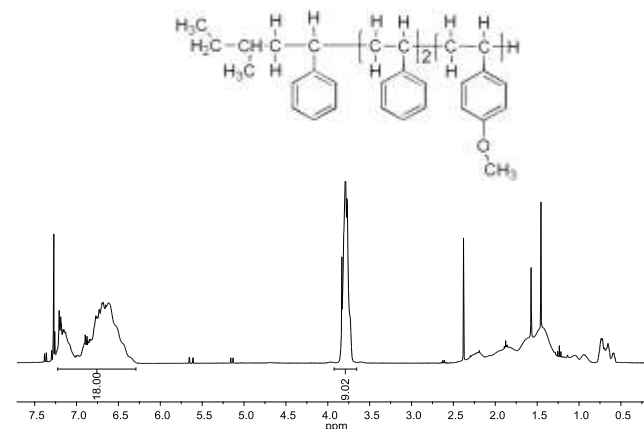
Characterization:

The product was characterized by size exclusion chromatography (SEC), ¹H NMR and FTIR.

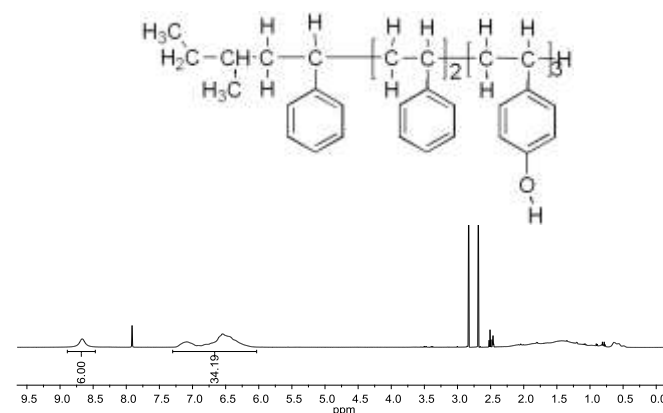
H NMR spectrum of S Block:



¹H NMR spectrum of the P(S-*b*-4MeOS):

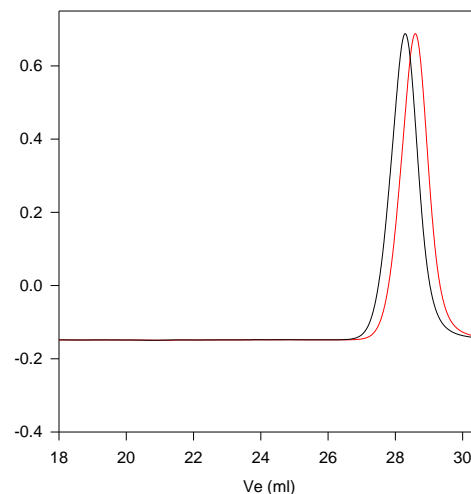


¹H NMR spectrum of the P(S-*b*-4OHS):



SEC profile of the block copolymer:

P41144-S4MeOS for S4OHS



Size Exclusion Chromatography of styrene oligomers

Dp of S monomer is : 3+ Initiator : S-474 Mw/Mn 1.09
S4MeOS: Mn 400-b-400