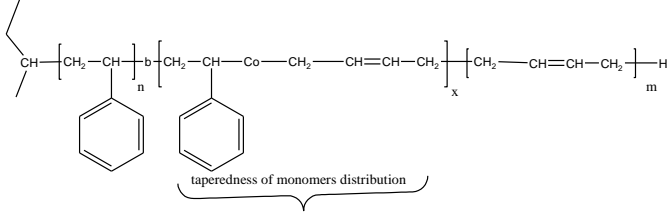


Sample Name: Poly (styrene-b-1,4-butadiene)  
tapered diblock copolymer

Sample #: P19777A-SBd tap

**Structure:**



**Composition:** S: 79.0 mol%

Mn x 10 <sup>3</sup> S-b-Bd	PDI
35.0-b-4.0	1.08

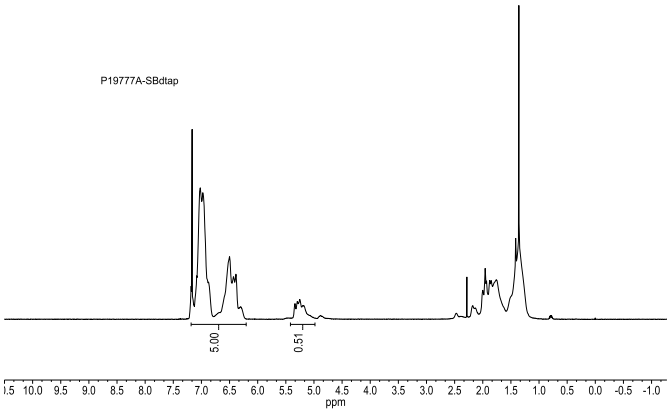
**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

**Characterization:**

The polymer was characterized by <sup>1</sup>H NMR and size exclusion chromatography (SEC).

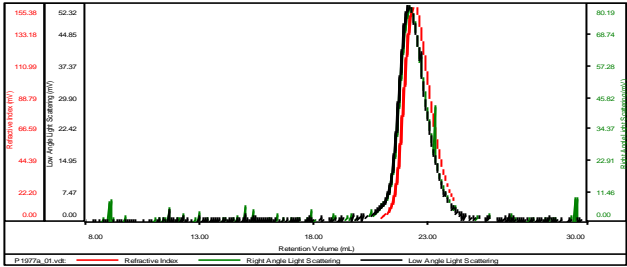
**<sup>1</sup>H-NMR Spectrum of the block copolymer:**



**SEC elugram of the block copolymer:**

**P19777A-SBd tapered**

Concentration (mg/mL)	9.0575
Sample dn/dc (mL/g)	0.1650
Method File	PS80K-august.2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P19777a_01.vdt	38,901	41,991	1.079	0.1004	39,867