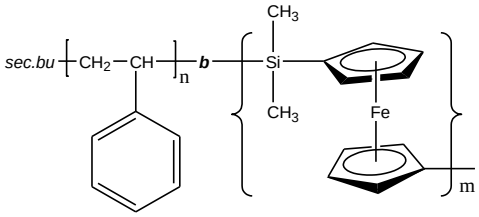
Sample Name:
Poly(styrene-b-ferrocenyldimethylsilane)

Sample #: **P43623C-SFES**

Structure:



Composition:

$Mn \times 10^3$ S-b-FES	Mw/Mn (PDI)
36.0-b-4.0	1.11

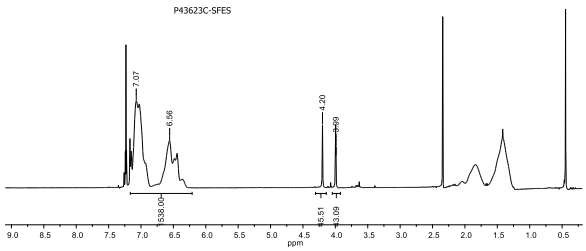
T_g for PS block: 106ºC T_g for FES block: 21ºC

Synthesis Procedure:
Poly(styrene-b-ferrocenyldimethylsilane**)** is prepared by anionic living polymerization by successive addition of styrene followed by the addition of ferrocenyldimethylsilane monomer.

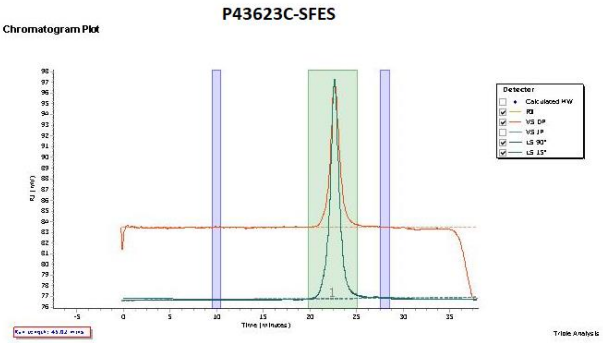
Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR data analysis.

Solubility:
Polymer is soluble in THF, CHCl3, Toluene and precipitate out from ether and hexanes.

^{1}H NMR spectrum of the sample:



SEC profile of the block copolymer:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	46181	40427	44860	49027	53286	48568	1.11