ASTRA 6 Report ILB3[Iria19042016]

File Name: C:\Chloroform Calibrated\April2016\ILB3[Iria19042016].afe6
Collection Operator: PAXCAGGPC2\pazvt (PAXCAGGPC2\pazvt (pazvt))
Processing Operator: PAXCAGGPC2\pazvt (pazvt)

Sample: untitled
Concentration: 0.000 mg/mL

Configuration

Concentration Source: RI
Flow Rate: 1.000 mL/min

RI Instrument: RI
Band Broadening Correction: n/a
Wavelength: 690.0 nm

Column: PMMA Calibration 03 Feb 16 1mlmin
Flow Marker: 0.000 mL
Mark-Houwink-Sakurada a: 0.000
Mark-Houwink-Sakurada K: 0.000 mL/g
Conventional Calibration Function Fit Standard Error: 0.0489037
Universal Calibration Function Fit Standard Error: 0
Calibration Technique: Conventional
Conventional Calibration Function: $\log(\text{Molar Mass}) = 27.7633 - 4.36887\ v + 0.288081\ v^2 - 0.00687767\ v^3$

Solvent: chloroform
Refractive Index: 1.439

Fluid Connections

Source Instrument	Destination Instrument	Delay Volume (mL)
Generic Pump	Injector	0.000
Injector	DAWN EOS	0.000
DAWN EOS	Generic RI Instrument	0.280

Aux Connections

Source Instrument	Destination Instrument	Aux Channel	Calibration Constant
Generic RI Instrument	DAWN EOS	1	1.000

Processing

Collection Time: Tuesday April 19, 2016 12:38:41 PM GMT Daylight Time
Processing Time: Wednesday April 20, 2016 03:14:38 PM GMT Daylight Time

Peak settings:

Peak Name	Peak 1	Peak 2
dn/dc (mL/g)	0.1850	0.1850
Viscometry Model	Huggins	Huggins
Huggins Equation Parameter	0	0

Kraemers Equation Parameter 0 0

Results Fitting Procedure:

Data **Fit Model** **Degree** **R^2** **Extrapolation**

Results

Peak Results

	Peak 1	Peak 2
Masses		
Calculated Mass (µg)	10861770.30	1666474.27
Molar mass moments (g/mol)		
Mn	2.319×10^3 (±11.919%)	2.494×10^2 (±11.919%)
Mw	3.539×10^3 (±11.919%)	2.999×10^2 (±11.919%)
Mz	4.681×10^3 (±26.652%)	3.416×10^2 (±26.652%)
M(avg)	1.415×10^3 (±1.203%)	1.187×10^2 (±1.554%)
Polydispersity		
Mw/Mn	1.526 (±16.856%)	1.203 (±16.856%)
Mz/Mn	2.018 (±29.195%)	1.370 (±29.195%)