111010	Batch 46			
Step	**Ingredient**	**Quantity**	**Units**	**Notes**
1-1	DI Water	167	mL	Mix 1-1 ingredients in a 250 mL glass bottle. Start heating water bath to 65C and assemble reaction vessel.
	Methanol	49	mL	
	4-vinylbenzenesulfonate	0.272	g	
1-2	Potassium persulfate	0.145	g	After 4-VBS has dissolved and water bath is at temperature, mix KPS with solution from 1-1. Once dissolved, charge the reaction vessel and stir at 400 RPM.
2	Styrene	34	mL	If using multiple monomers, mix together before charging the reaction vessel.
3				Allow reaction to proceed at least 8 hours. More time is ok, i.e. overnight.
Total volume	**% Methanol**	**Theoretical Yield (vol. fraction)**		Taking into account the density of styrene monomer (0.909) and density of polystyrene (1.06), assuming 100% conversion and no solvent loss.
250	19.6	0.119		