

CHEM 116
ONLINE Spectrophotometry Simulation/Activity

ADH 9/25/2020

Name: _____ Date: _____

TA's Name: _____

PART 1

solution step:	preparation	dilution	draining	evaporation
initial volume, mL	500			
final volume, mL				
sensor reading, $M_{\text{sol'n}}$				
moles of solute				

PART 3

sample	1	2	3	4
pathlength, cm	0.50	1.00	1.50	2.00
absorbance at λ_{max}	0.985	0.252	0.723	0.132
concentration, mM				