Name		Chem 11	94: Determination	on of Caffeine by HPLO
Date	Section			59
Other members of yo	our group			
Mass of solid Caffeir Calculation of Stock	_	Weighed by	Last name only	
Calculation of Molar a caffeine working st				
HPLC Data Nominal [caffeine] of standards /M 0.00100 M	Actual [caffeine] /M	Reten	ntion Time /min	Peak Area / μV.min
0.00060				
0.00020				
0.00040				
0.00080				
0.00010				
Blank	0.0			
Samples	Sample Identificatio	n Reten	tion Time /min	Peak Area / µV.min
Quality Control				
Student supplied	,			

60	Name			
Calculation of the concentration (in M) of the caffein instrument using the calculated trendline with full un				
Calculation of the molarity in the original student-su	pplied sample.			
Student Sample Serving Size (& unit)	converted to metric units			
Calculation of the mass of caffeine (mg) per serving				
Manufacture reported valuemg/serv	ring			
Source of this information				
Calculate the percent relative error (see page 74.) in	your caffeine determination assuming that			

Calculation of the concentration (in M) of caffeine in the quality control sample using the calculated trendline with full units.

the reported manufacturer's value is correct.