

	A	B	C	D	E	F	G
1	Pipette calibration tool to determine accuracy and precision						
2							
3	Pipette	p200	enter pipette type		Standard Deviation	=STDEV(D6:D10)	
4	Set volume	20	in microliters		Water density	=VLOOKUP(B5,Sheet2!A2:B103,2,TRUE)	kg/m3
5	Water temperature	20.4	in degrees C	Measured volumes			
6	measured mass 1	0.02	in grams	=B6/\$F\$4*1000	in microliters		
7	measured mass 2	0.02	in grams	=B7/\$F\$4*1000	in microliters		
8	measured mass 3	0.0203	in grams	=B8/\$F\$4*1000	in microliters		
9	measured mass 4	0.0203	in grams	=B9/\$F\$4*1000	in microliters		
10	measured mass 5	0.0203	in grams	=B10/\$F\$4*1000	in microliters		
11				=AVERAGE(D6:D10)	mean		
12	Accuracy	= (D11-B4)/B4*100	%				
13	Precision	=F3/D11*100	%				