Experiment 1 and 2: Calibration of the Buret and the Pipet

Calibration of Buret

I. Raw Data Tables

	Run	Wt. at 0 Vol (mL)	New Volume	New Weight	Vol. Corr	Temperature	0Vol (mL)
	1A	75.9501	25	100.6213	0.127	29.2	25
25.00mL	1B	100.6213	50	126.0505	0.127	29.2	25
	1C	126.0505	75	150.9141	0.127	29.2	25
	2A	76.006	35	110.7846	0.182	29.5	35
35.00mL	2B	110.7846	70	145.4976	0.182	29.5	35
	2C	145.4976	105	180.2142	0.182	29.5	35
	3A	76.0659	45	121.2514	0.182	29.5	45
45.00mL	3B	121.2514	90	165.9757	0.182	29.5	45
	3C	76.2042	45	120.9957	0.182	29.5	45

Calibration of Pipet

	Run	Wt. at 0 Vol (mL)	New Weight	V. Corr	Temperature
	1	75.7783	101.006	0.127	29.2
	2	101.006	125.8892	0.127	29.2
	3	125.8892	150.7338	0.127	29.2

II. Derived Data Tables

Calibration of Pipet

Run	Wt. H_2O(mL)	V. Corr(mL)	Corr. Vol (mL)	Average(mL)	S.D(mL)	R.S.D.(ppt)
1	25.2277	0.127	25.253	25.113	0.21092	8.39931
2	24.8832	0.127	25.010			
3	24.8446	0.127	24.972			

Calibration of Buret

	Run	Wt. H2O (mL)	H_2O/round volume (mL)	V. Corr (mL)	Corr. Vol (mL)	Average (mL)	S.D (mL)	R.S.D. (ppt)
25.00 mL	1A	24.6712	24.6712	0.127	24.798	25.115	0.394	15.68842
	1B	25.4292	25.4292	0.127	25.556			
	1C	24.8636	24.8636	0.127	24.991			
35.00 mL	2A	34.7836	34.7836	0.182	34.966	34.920	0.04	1.13868
	2B	34.713	34.713	0.182	34.895			
	2C	34.7166	34.7166	0.182	34.899			
45.00 mL	3A	45.1855	45.1855	0.182	45.367	45.082	0.249	5.52656
	3B	44.7243	44.7243	0.182	44.906			
	3C	44.7915	44.7915	0.182	44.973			
				Average V.Corr (mL)				
				0.127				