

Report Sheet: Titrimetric Determination of Acetic Acid Samples (TD)

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Standardization of NaOH						
	Trial Number					
	1	2	3	Mean	Std Dev	RSD (%)
Mass of KHP (g)	0.6590	0.5774	0.6664			
Volume of NaOH (mL)	30.02	24.02	30.21			
Concentration of NaOH (M)	0.1075	0.1075	0.1080	0.1077	0.0002958	0.2747
Titration of Acetic Acid Sample 1 - Results for Youden Plot						
	Trial Number					
	1	2	3	Mean	Std Dev	RSD (%)
Volume of NaOH (mL)	19.27	19.24	19.23	19.25	0.02082	0.1082
Concentration of Acetic Acid (M)	0.8300	0.8287	0.8282	0.8289	0.000897	0.1082
Titration of Acetic Acid Sample 2 - Results for Youden Plot						
	Trial Number					
	1	2	3	Mean	Std Dev	RSD (%)
Volume of NaOH (mL)	43.19	43.16	43.22	43.19	0.03	0.06946
Concentration of Acetic Acid (M)	1.860	1.859	1.861	1.860	0.001292	0.06946