

Uncertainty of Measurement									
Ethanol in liquid									
Values from GC/FID				Sources of Uncertainty	Type A or B	% RSD	Distribution Model	Divisor	Standard Uncertainty
A Front		g/100mL		Reproducibility	A	#DIV/0!	Experimental	1	#DIV/0!
A Middle		g/100mL		Calibrators	B	0.2490%	Rectangular	√3	0.1438%
B Front		g/100mL		Draw	B	0.8000%	Rectangular	√3	0.4619%
B Middle		g/100mL		Dispense	B	0.6250%	Rectangular	√3	0.3608%
Standard Deviation		#DIV/0!	g/100mL	Bias	B	2.5000%	Rectangular	√3	1.4434%
Average of Values		#DIV/0!	g/100mL						
				Combined Standard Uncertainty =			#DIV/0!		
				Expanded Uncertainty =			#DIV/0!		
Results =	#DIV/0! #DIV/0!								
Approved for use by:					Elizabeth Van, Forensic Supervisor- Chemistry Unit				