

Chemistry 222, Spring 2007  
 Experiment 5: GC Analysis of Whiskey

p(EtOH/H <sub>2</sub> O)				<b>Jim Beam</b>			<b>Canadian Windsor</b>			
	Ethyl acetate F	2-methyl-1-propanol F	2-methyl-1-butanol F	Ethyl acetate ppm	2-methyl-1-propanol ppm	2-methyl-1-butanol ppm	Ethyl acetate ppm	2-methyl-1-propanol ppm	2-methyl-1-butanol ppm	
0.9444	0.431	0.910	1.617	70.1	430.2	1097.5	0.0	101.8	154.4	
0.9427	0.305	1.063	0.960	92.2	422.5	1924.0	0.0	95.6	132.3	
0.9378	0.653	0.945	1.210	118.8	422.4	1443.8	0.0	105.8	198.4	
0.9436	0.588	1.000	1.147		393.1	1650.0	0.0	96.4	171.5	
0.9448	0.451	0.872	1.932	285.0	505.4	1240.1	0.0	156.6	252.7	
0.9395	0.552	0.803	1.218	137.0	502.0	1615.0	0.0	127.3	172.0	
0.9401	0.357	0.465	0.548	124.4	802.4	2915.0	0.0	204.2	571.9	
0.9436	0.677	1.029	1.292	104.5	376.6	1278.9	0.0	109.6	158.6	
0.9453	0.713	0.994	1.606	157.9	376.3	1274.3	0.0	98.3	234.8	
0.9444	0.691	0.998	0.783	145.6	421.1	2186.1	0.0	102.2	245.0	
<b>MEAN - 1 STD DEV</b>	<b>0.9400</b>	<b>0.395</b>	<b>0.734</b>	<b>0.819</b>	<b>75.6</b>	<b>338.5</b>	<b>1109.0</b>	<b>0.0</b>	<b>84.7</b>	<b>101.9</b>
<b>MEAN + 1 STD DEV</b>	<b>0.9452</b>	<b>0.689</b>	<b>1.082</b>	<b>1.644</b>	<b>199.0</b>	<b>591.9</b>	<b>2216.0</b>	<b>0.0</b>	<b>154.8</b>	<b>356.4</b>