

15

10/18/2022

**Worklist: 6128**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
P2022-2957	1	BCK	Alcohol Analysis	
P2022-2996	1	BCK	Alcohol Analysis	
P2022-2997	1	BCK	Alcohol Analysis	
P2022-3008	1	BCK	Alcohol Analysis	
P2022-3013	1	BCK	Alcohol Analysis	
P2022-3016	1	BCK	Alcohol Analysis	
P2022-3026	1	BCK	Alcohol Analysis	
P2022-3029	1	BCK	Alcohol Analysis	
P2022-3030	1	BCK	Alcohol Analysis	
P2022-3031	1	BCK	Alcohol Analysis	
P2022-3032	1	BCK	Alcohol Analysis	
P2022-3046	1	BCK	Alcohol Analysis	
P2022-3048	1	BCK	Alcohol Analysis	
P2022-3050	1	BCK	Alcohol Analysis	
P2022-3054	1	BCK	Alcohol Analysis	
P2022-3088	1	BCK	Alcohol Analysis	
P2022-3102	1	BCK	Alcohol Analysis	
P2022-3103	1	BCK	Alcohol Analysis	
P2022-3106	1	BCK	Alcohol Analysis	

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600GB9897

Volatiles Quality Assurance Controls Run Date(s): 10/17/22

Calibration Date: (if different)

Worklist #: 6128

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0714 g/100cc 0.0786 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2146 g/100cc g/100cc
Multi-Component mixture:		Exp: 10/31/2024	Lot # FN06041902		
Curve Fit:		Column 1	0.99968	Column2	0.99919

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0502	0.0508	0.0006	0.0505
100	0.100	0.090 - 0.110	0.0984	0.0977	0.0007	0.098
200	0.200	0.180 - 0.220	0.1980	0.1961	0.0019	0.197
300	0.300	0.270 - 0.330	0.3054	0.3084	0.003	0.3069
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4977	0.4968	0.0009	0.4972

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

**REVIEWED**  
By Rachel Cutler at 9:01 am, Oct 20, 2022



### Internal Standard Monitoring Worksheet

<b>Worksheet #:</b> 6128	<b>Run Date(s):</b> 10/17/22
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Internal Standard Solution:	Prep Date: 9/20/2022	Exp Date: 3/20/2023
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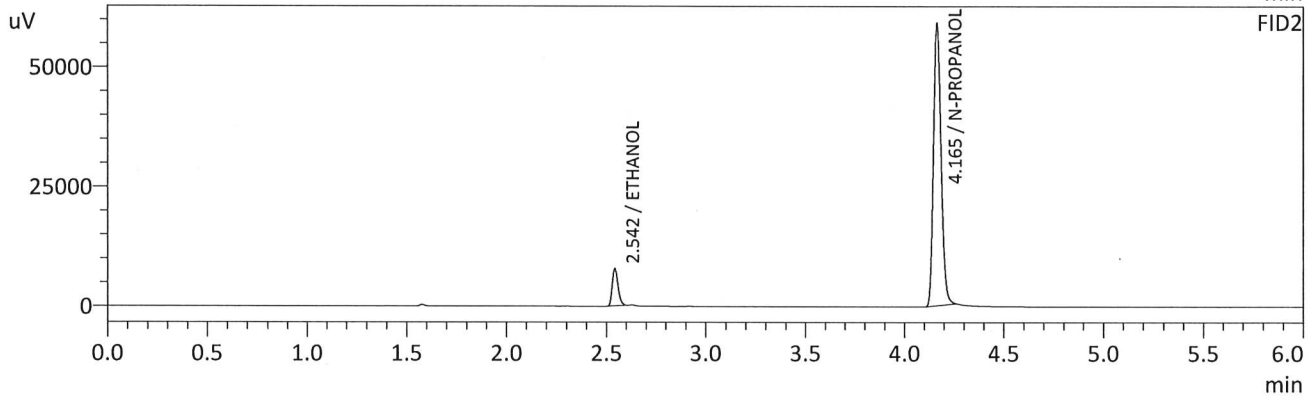
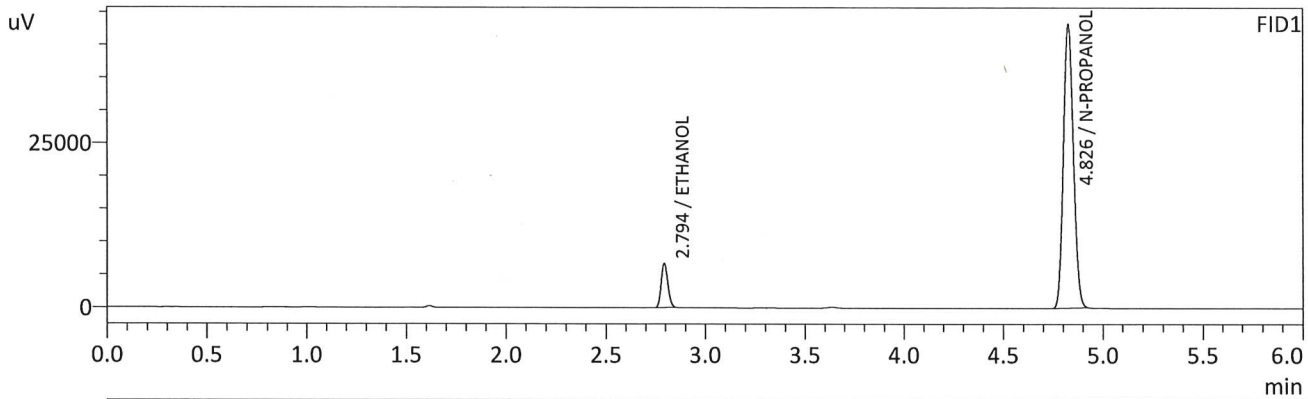
Sample Name	Column 1 Value	Column 2 Value
0.080	156488	163836
0.080	153979	160552
QC1	159038	166483
QC1	158128	165383
QC1	170409	177980
QC1	171225	178649
QC1		
QC1		
QC2	158795	164530
QC2	161442	167304
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+ )20%
Column 1 161188.0	128950.4	193425.6
Column 2 168089.6	134471.7	201707.6



TS

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_10172022\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 10:21:22 AM  
 Date Processed : 10/18/2022 7:45:21 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0502	g/100cc	15561	6685
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151110	43086
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

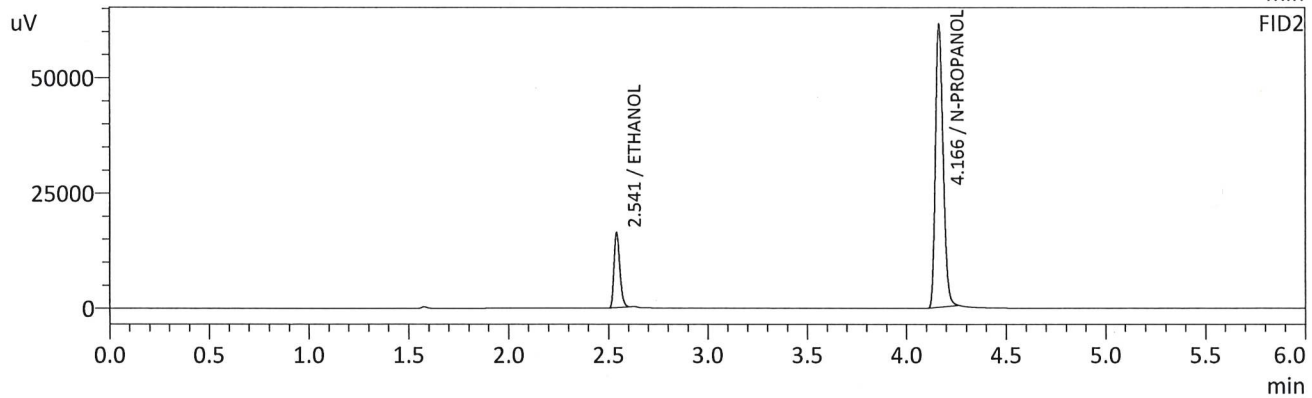
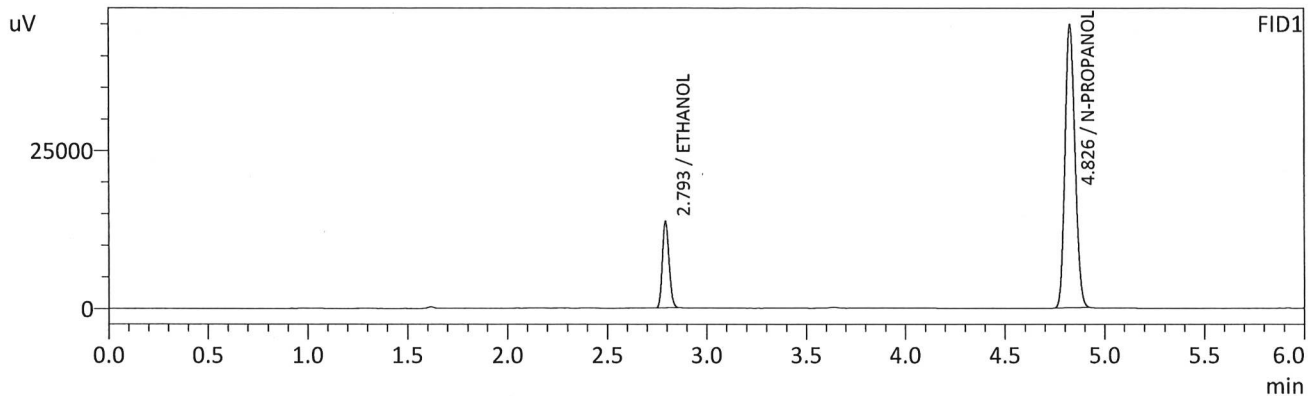
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0508	g/100cc	15754	7808
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157599	59094
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_10172022\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 10:30:52 AM  
 Date Processed : 10/18/2022 7:45:23 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

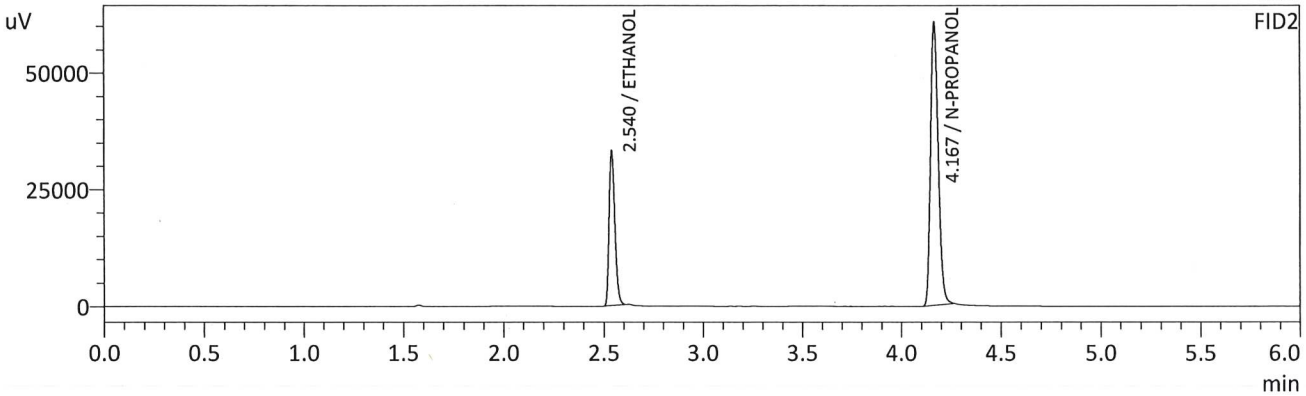
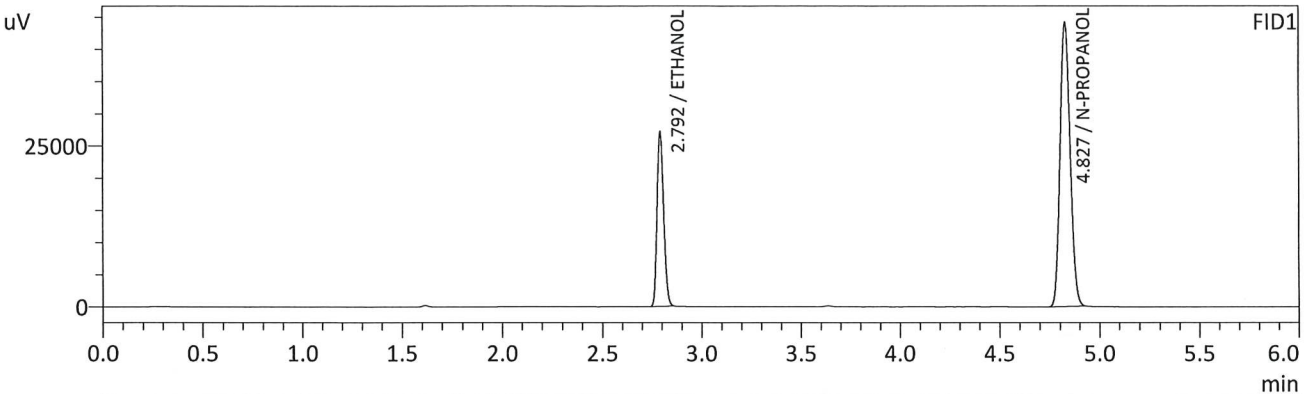
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0984	g/100cc	31728	13627
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157082	44675
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0977	g/100cc	32672	16264
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164133	61298
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_10172022\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 10:40:13 AM  
 Date Processed : 10/18/2022 7:45:24 AM  
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FID1

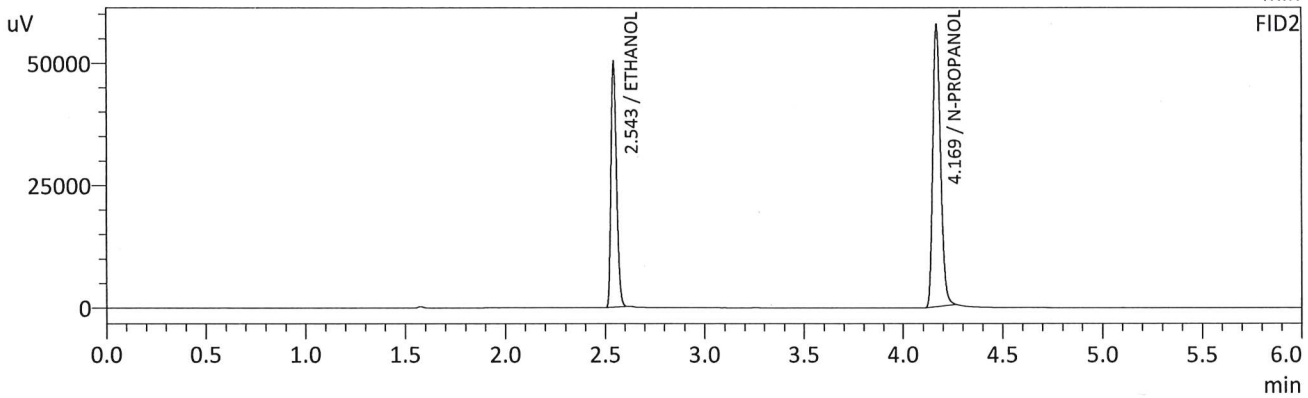
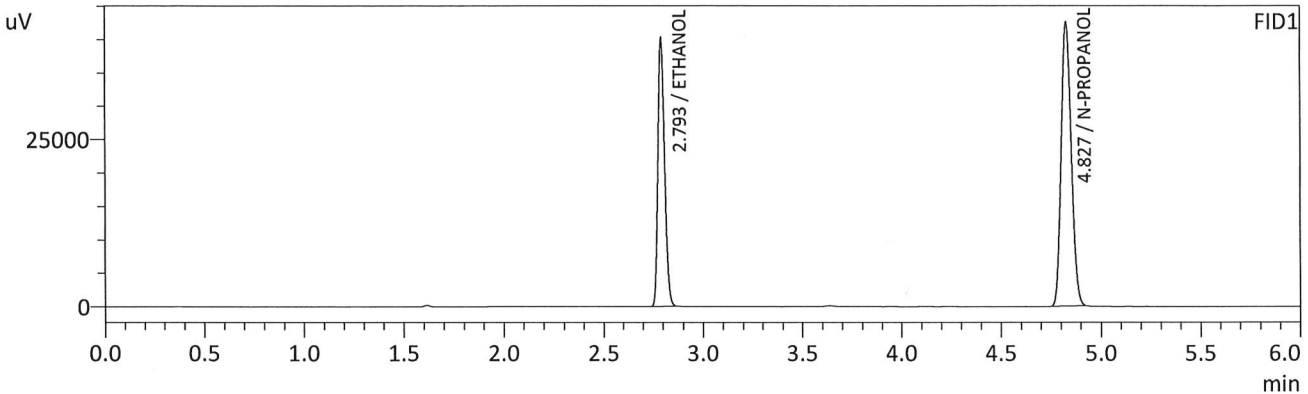
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1980	g/100cc	62835	27005
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154646	44045
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1961	g/100cc	65789	32852
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161684	60417
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_10172022\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 10:50:01 AM  
 Date Processed : 10/18/2022 7:45:25 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

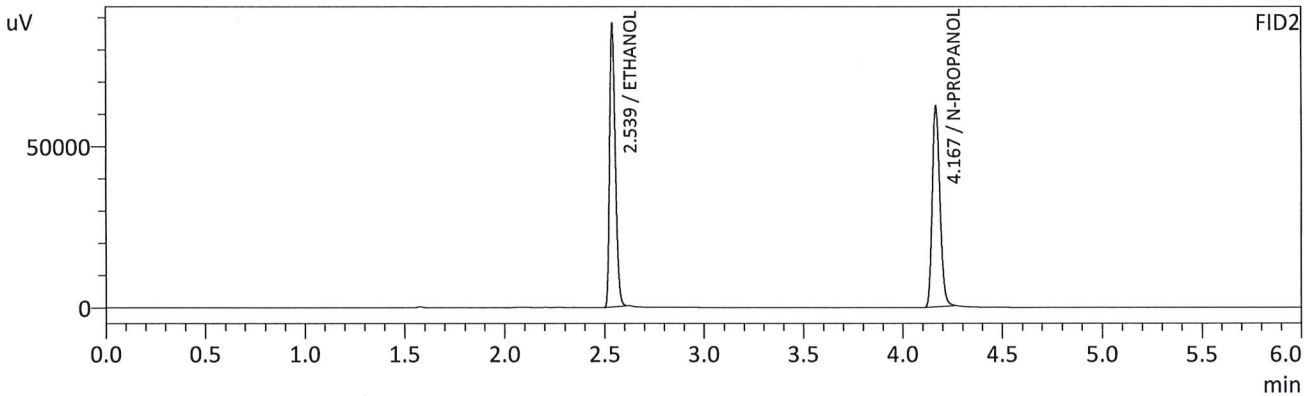
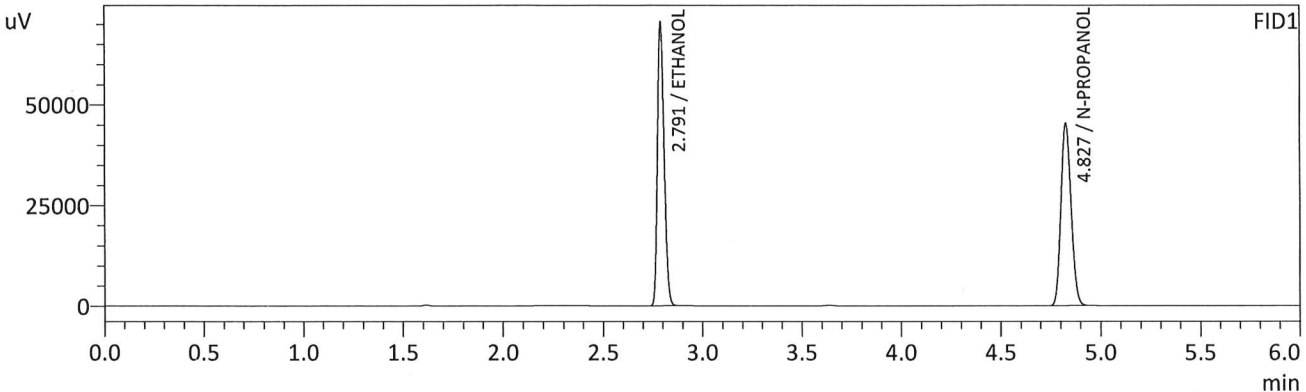
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.3054	g/100cc	93343	40073
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148981	42466
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.3084	g/100cc	99400	49695
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154264	57528
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_10172022\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 10:59:29 AM  
 Date Processed : 10/18/2022 7:45:26 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4977	g/100cc	162771	69637
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159409	45277
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.4968	g/100cc	172950	86518
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165927	62035
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



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## Calibration Table

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TS

Laboratory: Pocatello  
 Instrument Name : GC2030-HS20

<<Data File>>  
 Method File :C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm ✓  
 Batch File :C:\LabSolutions\Data\2022\10-17-22 TS\10-17-22 TS.gcb  
 Date Acquired :10/17/2022 10:59:29 AM  
 Date Created :10/17/2022 10:56:09 AM  
 Date Modified :10/18/2022 7:45:26 AM



Name : METHANOL  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

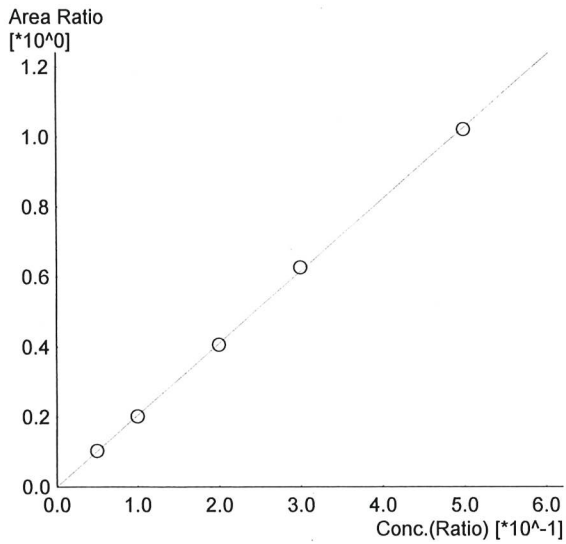
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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TS



Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.05133x-2.23020e-005$   
 R<sup>2</sup> value= 0.9996830  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15561	0.0502	0.050_10172022_001.gcd
2	0.100	31728	0.0984	0.100_10172022_002.gcd
3	0.200	62835	0.1980	0.200_10172022_003.gcd
4	0.300	93343	0.3054	0.300_10172022_004.gcd
5	0.500	162771	0.4977	0.500_10172022_005.gcd



Name : ISOPROPYL ALCOHOL  
 Detector Name: FID1  
 Function :  $f(x)=0x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

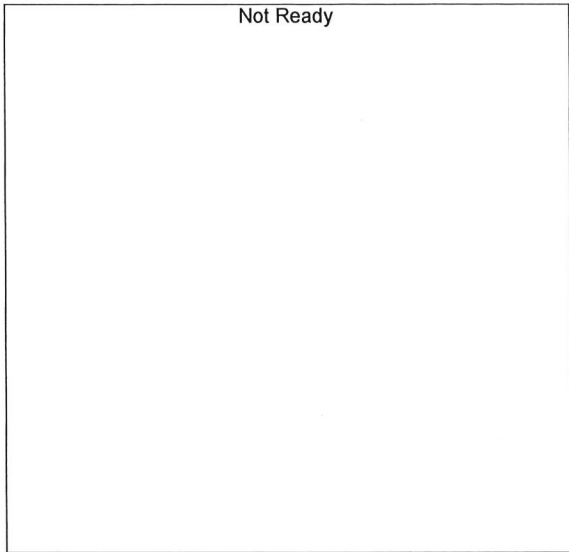
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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TS



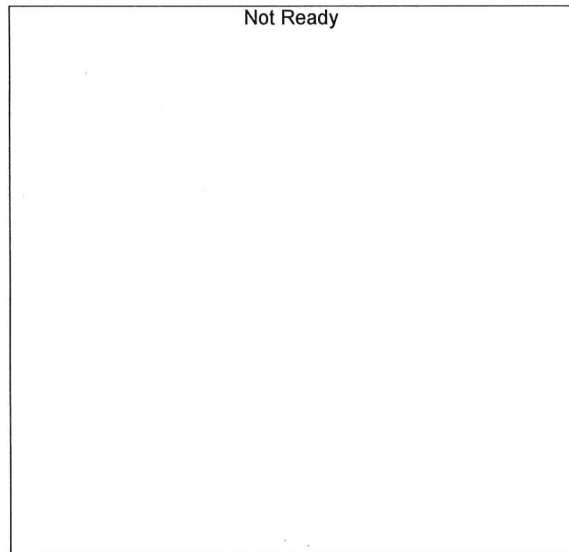
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : TFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

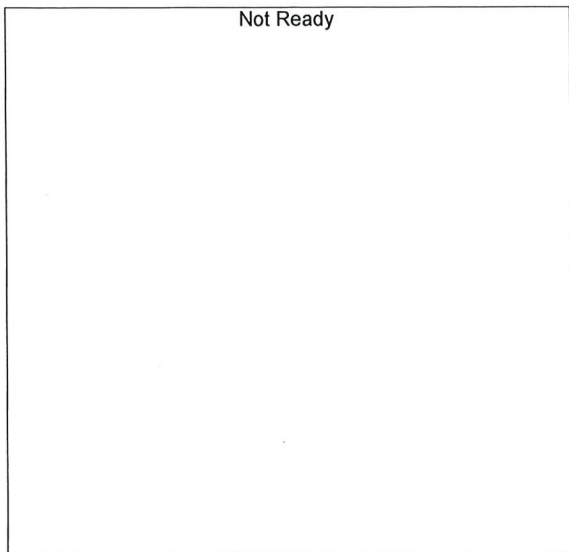
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

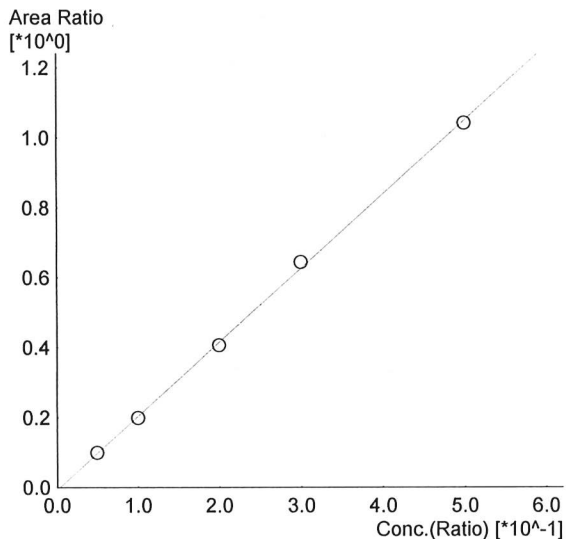
#	Conc.	Area	Std. Conc.	Data File Name
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TS



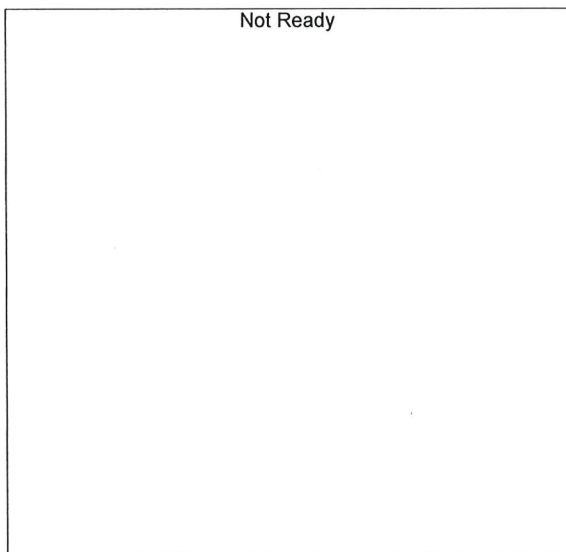
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.11293*x-0.00745498$   
 R<sup>2</sup> value= 0.9991958  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15754	0.0508	0.050_10172022_001.gcd
2	0.100	32672	0.0977	0.100_10172022_002.gcd
3	0.200	65789	0.1961	0.200_10172022_003.gcd
4	0.300	99400	0.3084	0.300_10172022_004.gcd
5	0.500	172950	0.4968	0.500_10172022_005.gcd

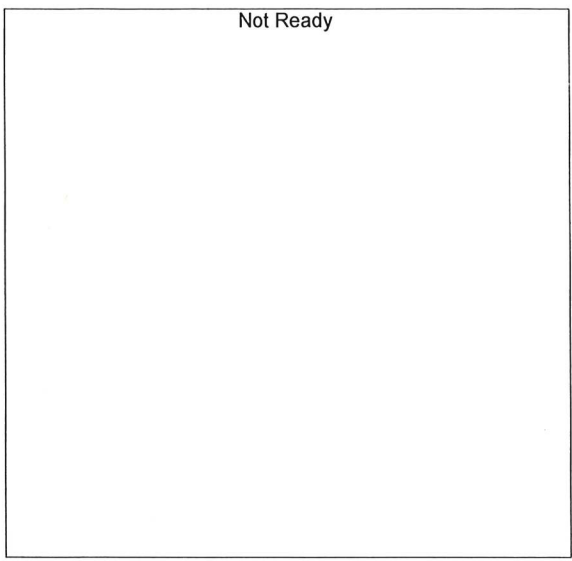


Name : ACETONE  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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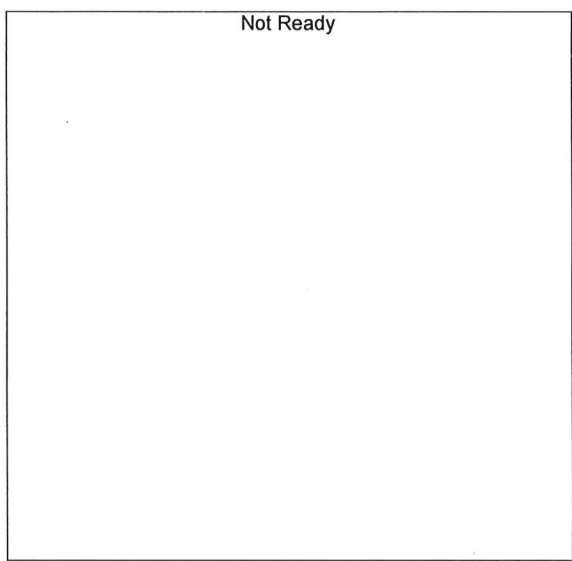


TS



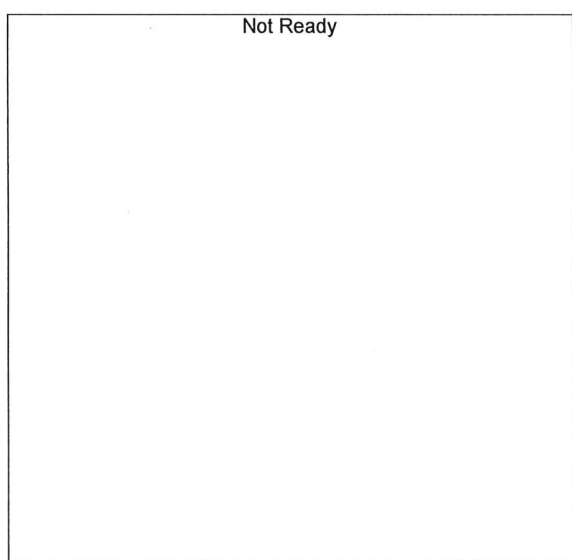
Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : DFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

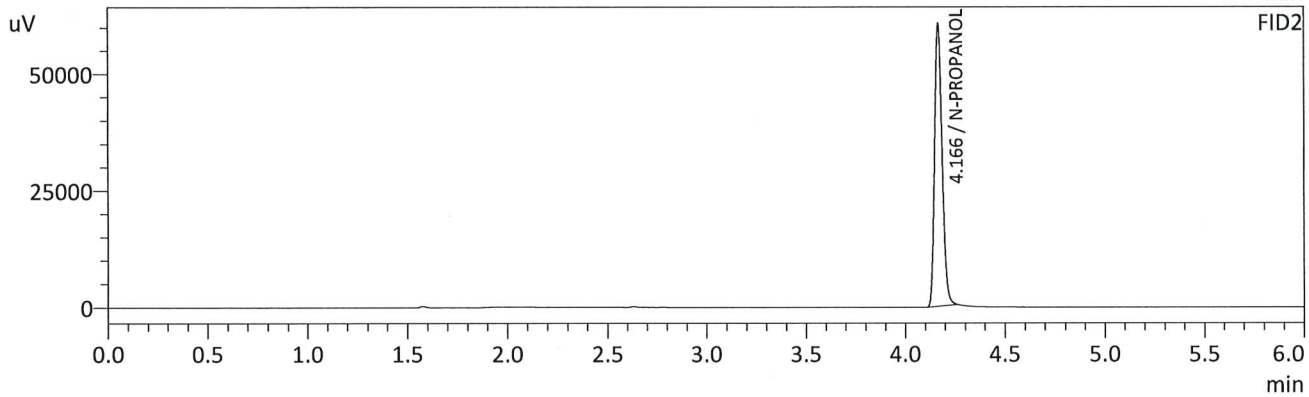
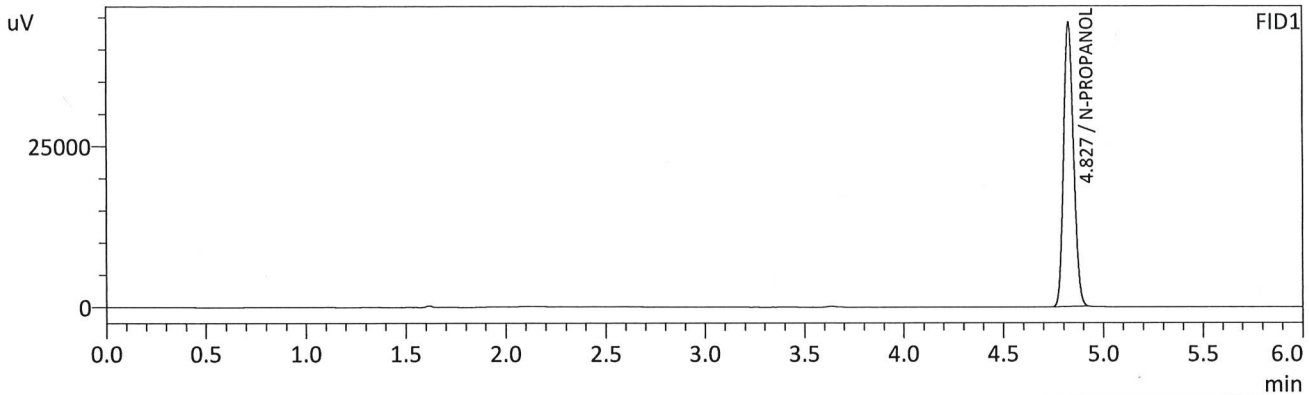


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

TS

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_10172022\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:08:47 AM  
 Date Processed : 10/18/2022 7:45:29 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



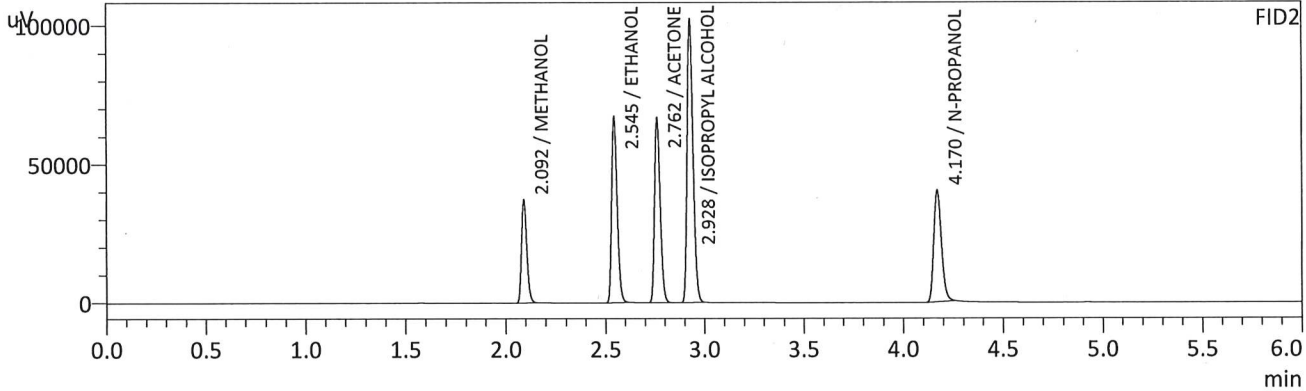
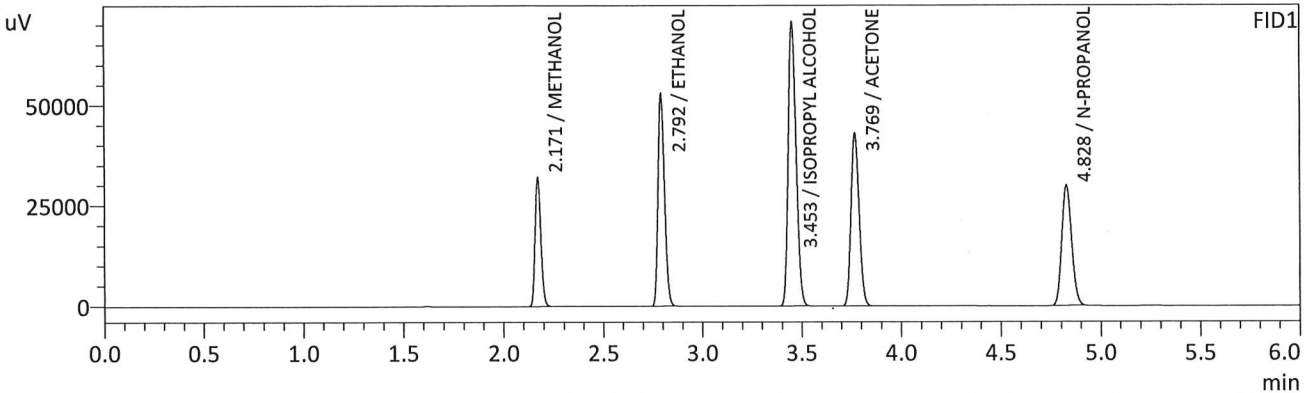
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153611	44024
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161389	60527
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_10172022\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:18:32 AM  
 Date Processed : 10/18/2022 7:45:30 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

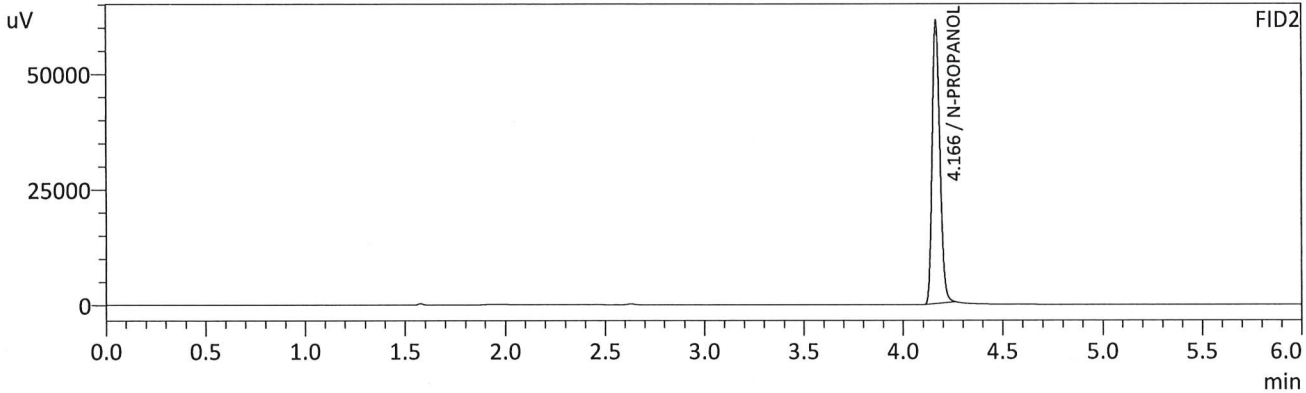
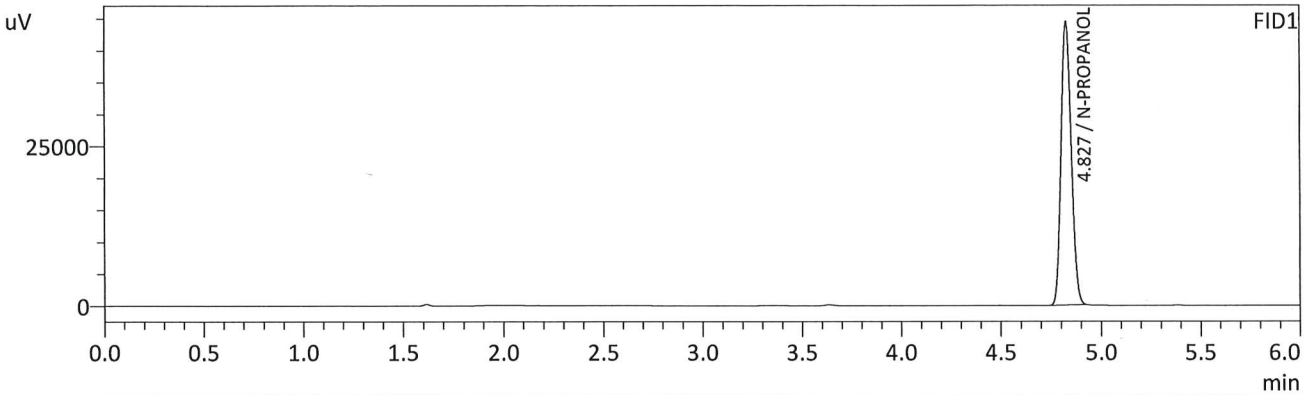
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	64101	31830
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5670	g/100cc	120913	52669
ISOPROPYL ALCOHOL	0.0000	g/100cc	194873	70438
ACETONE	0.0000	g/100cc	121934	42884
N-PROPANOL	0.0000	g/100cc	103953	29918
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	68344	36716
ETHANOL	0.5818	g/100cc	130606	66663
ACETONE	0.0000	g/100cc	131920	66385
ISOPROPYL ALCOHOL	0.0000	g/100cc	210689	101927
N-PROPANOL	0.0000	g/100cc	106885	40329
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_10172022\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:28:02 AM  
 Date Processed : 10/18/2022 7:45:31 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155402	44239
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162835	61176
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Volatiles BAC Casefile Worksheet

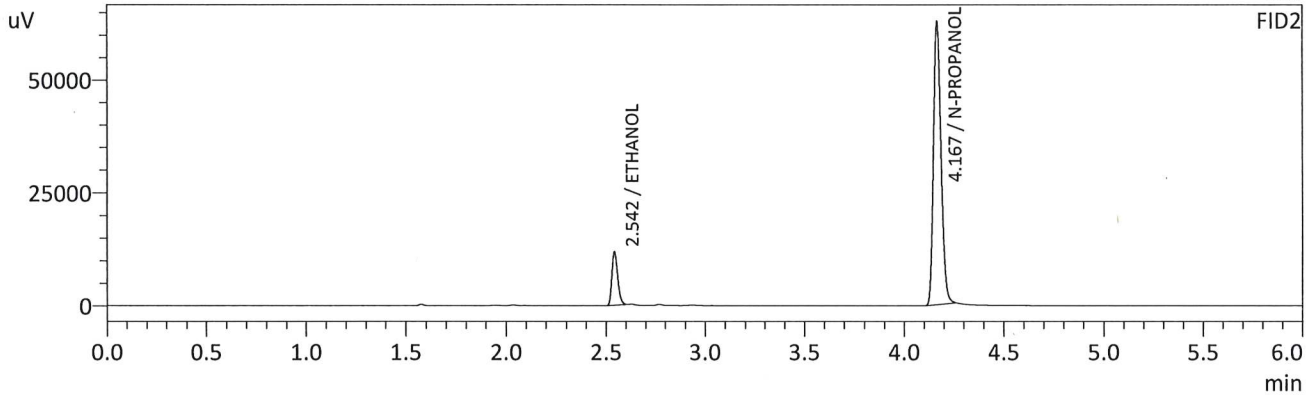
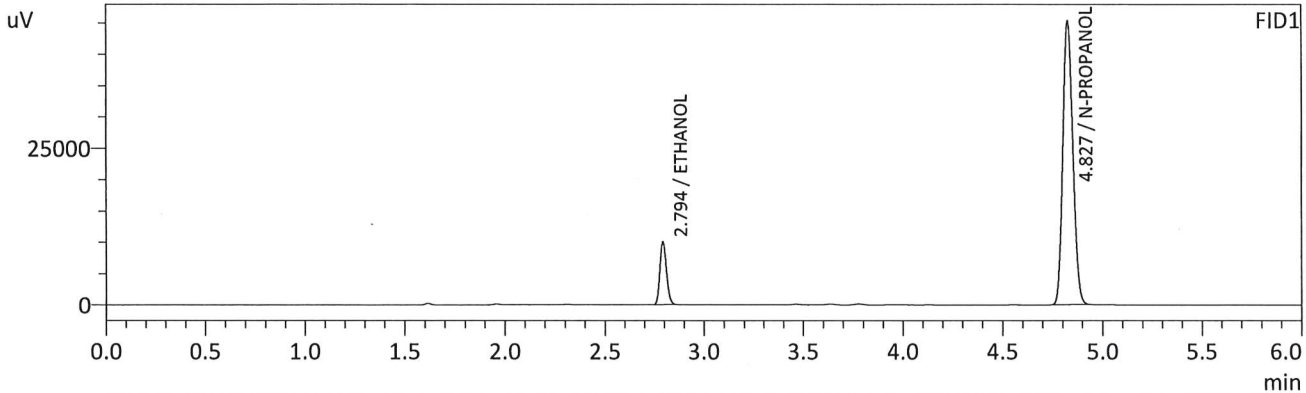
**VOLATILES BAC CASEFILE WORKSHEET**

<b>Laboratory No.:</b> QC 1-1		<b>Item #</b>		<b>Analysis Date(s):</b> 10/17/2022		
	<b>Column 1 FID A</b>	<b>Column 2 FID B</b>	<b>Column Precision</b>	<b>Mean Value</b>	<b>Sample A-B Difference</b>	<b>Over-all Mean</b>
Sample Results	0.0714	0.0713	0.0001	0.0713	0.0003	0.0714
(g/100cc)	0.0715	0.0717	0.0002	0.0716		
<b>Analysis Method</b>						
Refer to Blood Alcohol Method #1						
<b>Instrument Information</b>						
<i>Instrument information is stored centrally.</i>						
Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm						
<b>Reporting of Results</b>				<b>Uncertainty of Measurement (UM%): 5.00%</b>		
<b>Overall Mean (g/100cc)</b>		<b>Low</b>	<b>High</b>	<b>5% of Mean</b>		
0.071		0.067	0.075	0.004		
		<b>Reported Result</b>				
		0.071				

*Calibration and control data are stored centrally.*

TS

Sample Name : QC1-1-A  
 Vial # : 9  
 Data Filename : QC1-1-A\_10172022\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:37:20 AM  
 Date Processed : 10/18/2022 7:45:33 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

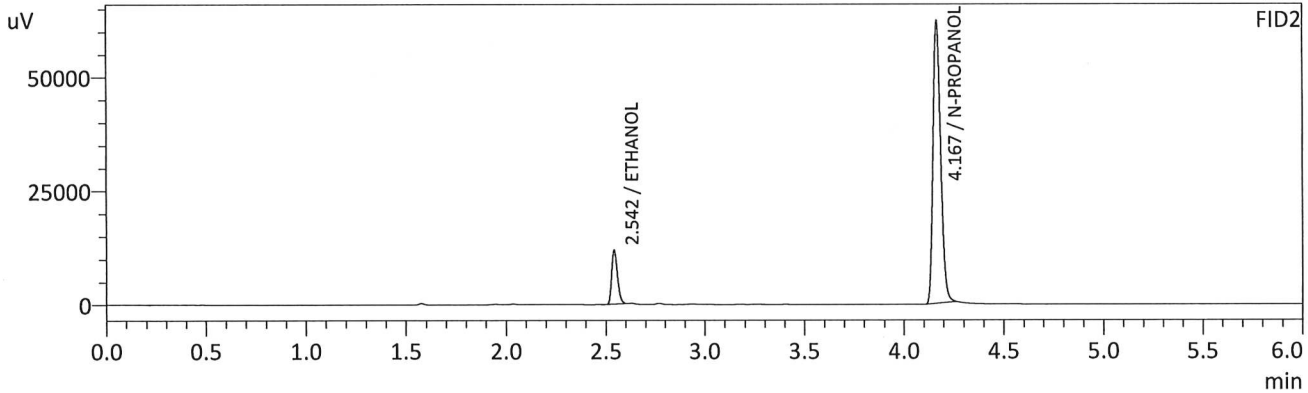
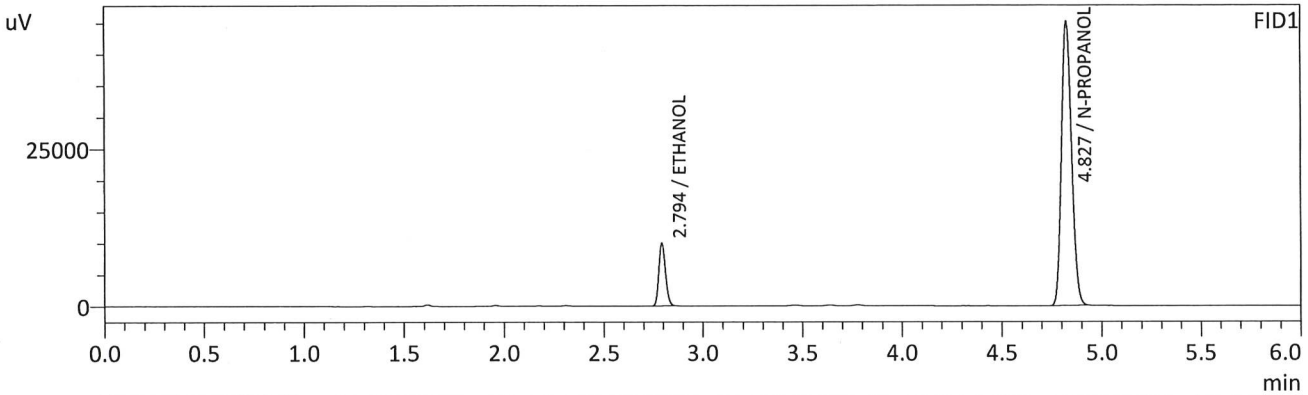
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0714	g/100cc	23300	9995
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159038	45228
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0713	g/100cc	23856	11828
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166483	62510
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-1-B  
 Vial # : 10  
 Data Filename : QC1-1-B\_10172022\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:47:06 AM  
 Date Processed : 10/18/2022 7:45:34 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0715	g/100cc	23221	9961
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158128	45093
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0717	g/100cc	23857	11870
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165383	61708
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: 0.08 QA

Item #

Analysis Date(s): 10/17/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0791	0.0000	0.0791	0.0015	0.0798
(g/100cc)	0.0799	0.0814	0.0015	0.0806		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

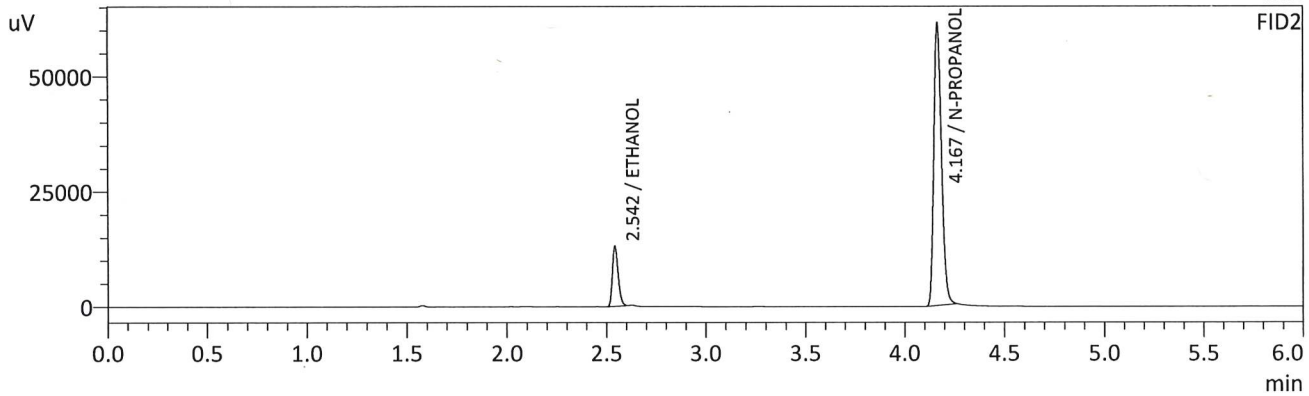
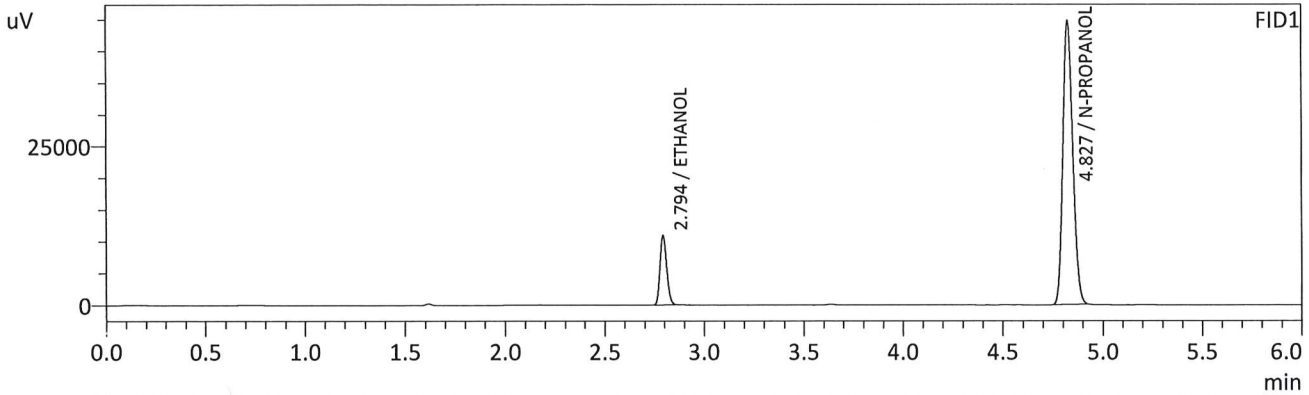
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

Reported Result	
0.079	

*Calibration and control data are stored centrally.*

TS

Sample Name : 0.08 QA - A  
 Vial # : 11  
 Data Filename : 0.08 QA - A\_10172022\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 11:56:36 AM  
 Date Processed : 10/18/2022 7:45:35 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0791	g/100cc	25415	10924
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156488	44679
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

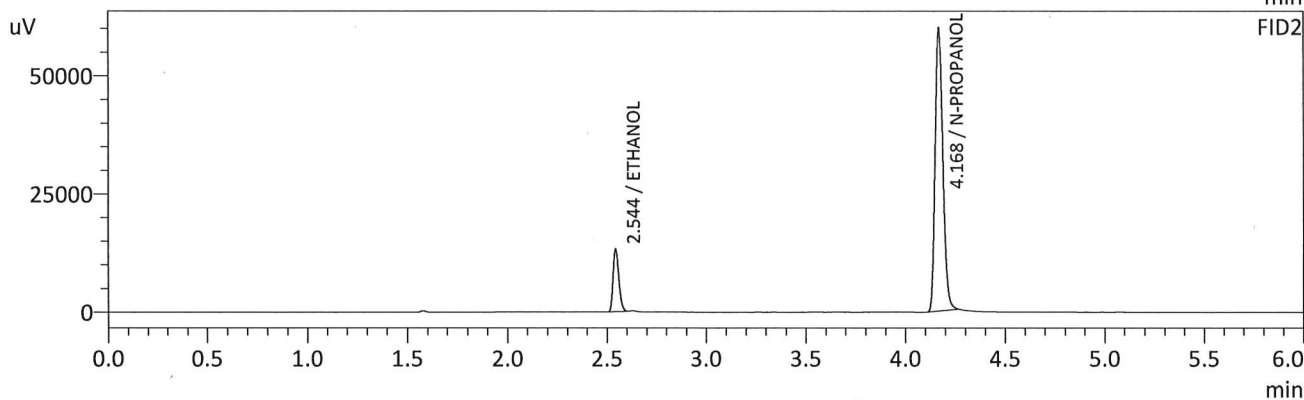
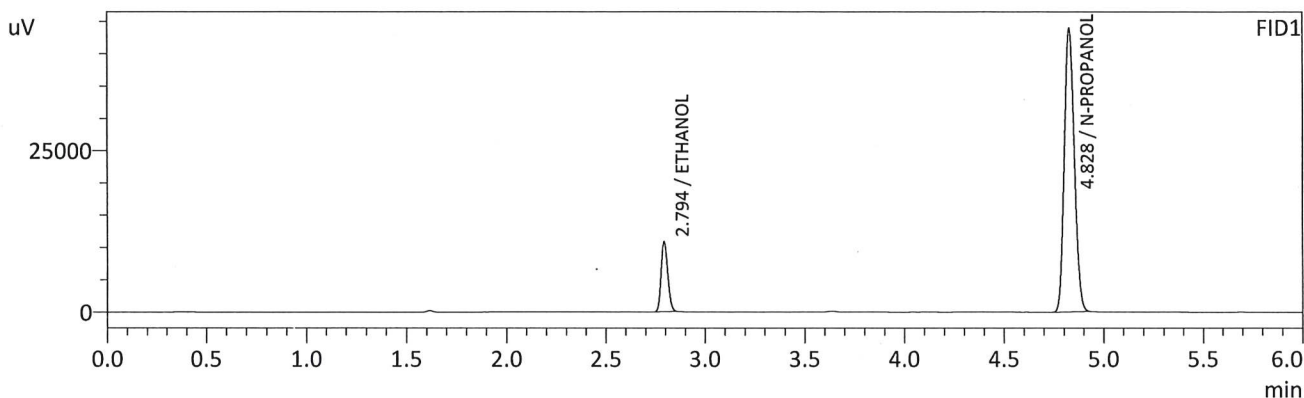
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0791	g/100cc	26164	13046
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163836	61046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_10172022\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 12:05:54 PM  
 Date Processed : 10/18/2022 7:45:36 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	25259	10810
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153979	43870
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	26428	13022
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160552	59580
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC 2-1

Item #

Analysis Date(s): 10/17/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2135	0.2159	0.0024	0.2147	0.0001	0.2146
(g/100cc)	0.2134	0.2158	0.0024	0.2146		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

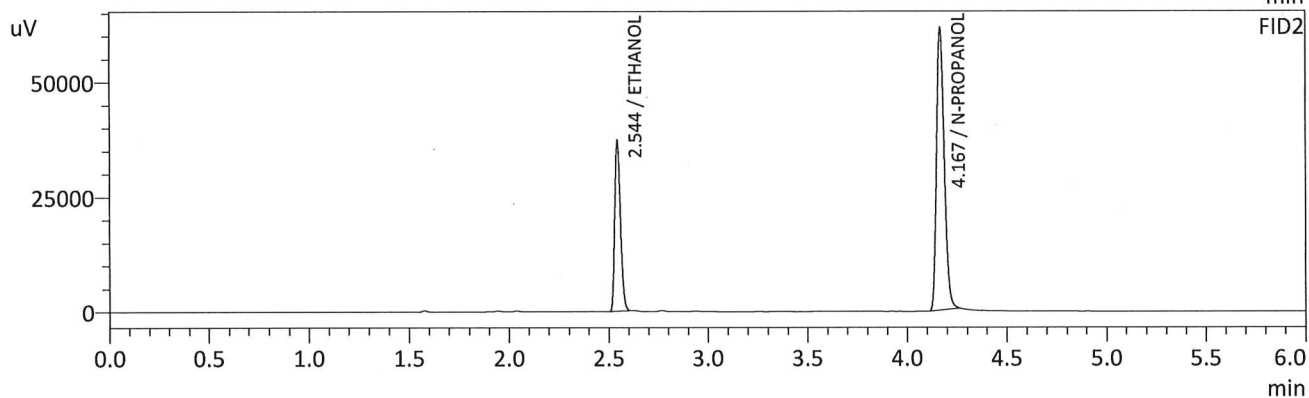
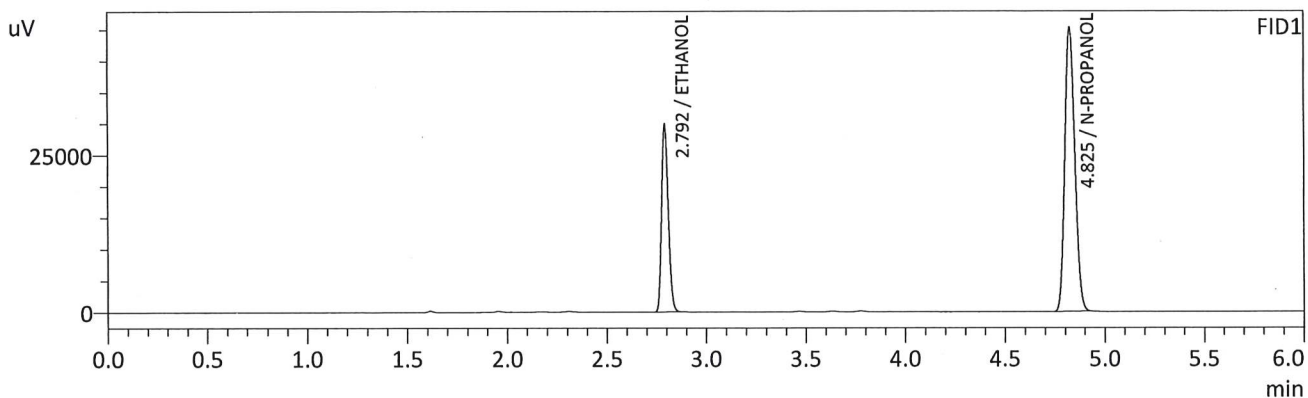
Overall Mean (g/100cc)	Low	High	5% of Mean
0.214	0.203	0.225	0.011

<b>Reported Result</b>	
0.214	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC2-1-A  
 Vial # : 31  
 Data Filename : QC2-1-A\_10172022\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 3:06:59 PM  
 Date Processed : 10/18/2022 7:46:00 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



## FID1

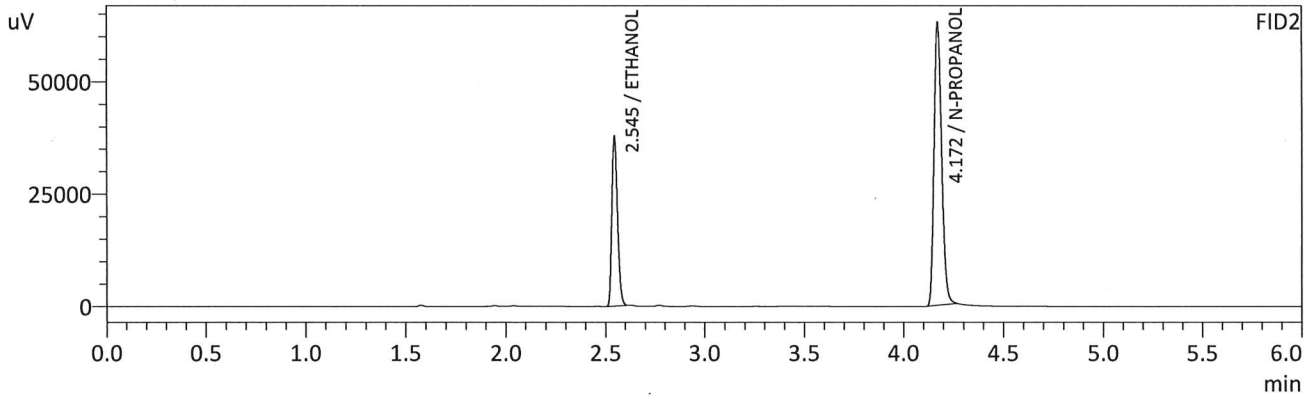
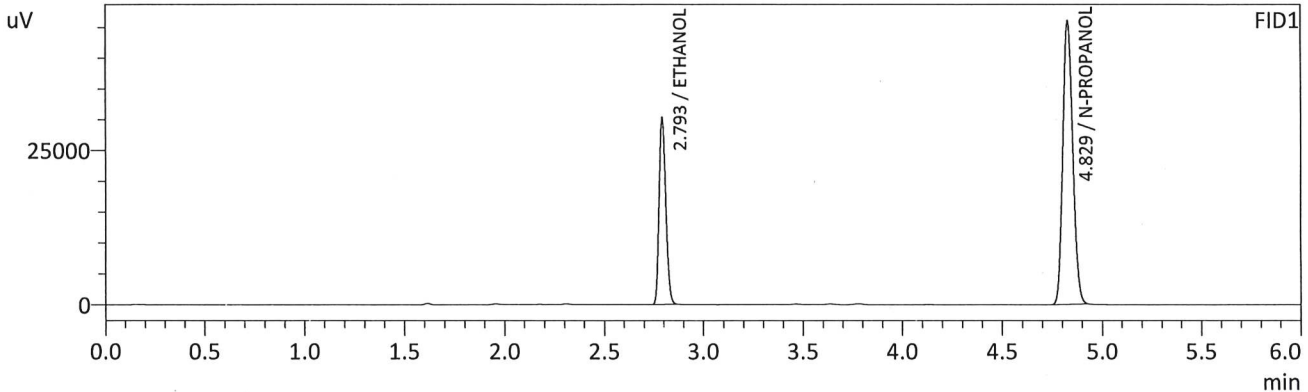
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2135	g/100cc	69561	29724
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158795	45094
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2159	g/100cc	73859	36695
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164530	61018
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC2-1-B  
 Vial # : 32  
 Data Filename : QC2-1-B\_10172022\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 3:16:28 PM  
 Date Processed : 10/18/2022 7:46:01 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2134	g/100cc	70683	30246
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161442	45971
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2158	g/100cc	75062	37685
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167304	62458
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES BAC CASEFILE WORKSHEET**

**Laboratory No.:** QC 1-2

**Item #**

**Analysis Date(s):** 10/17/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0793	0.0017	0.0784	0.0003	0.0786
(g/100cc)	0.0779	0.0796	0.0017	0.0787		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

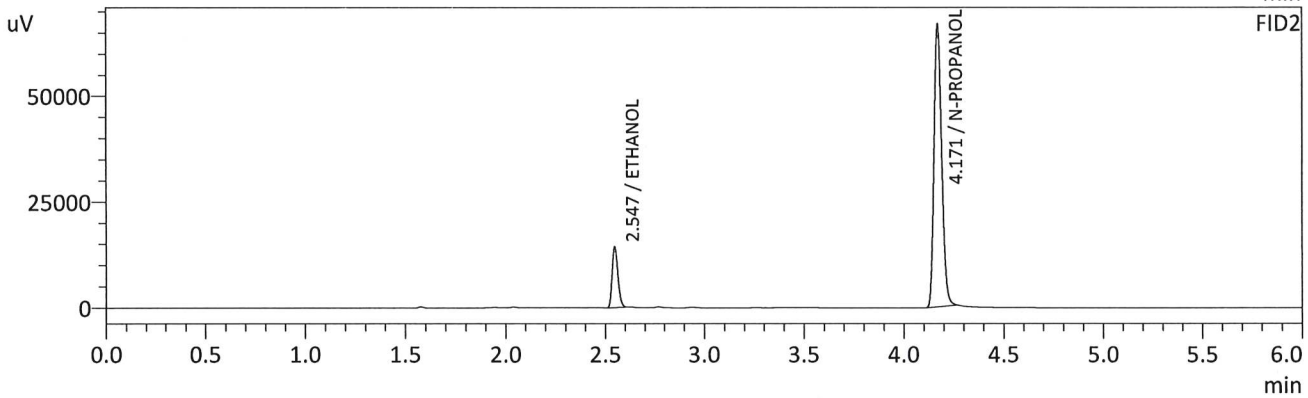
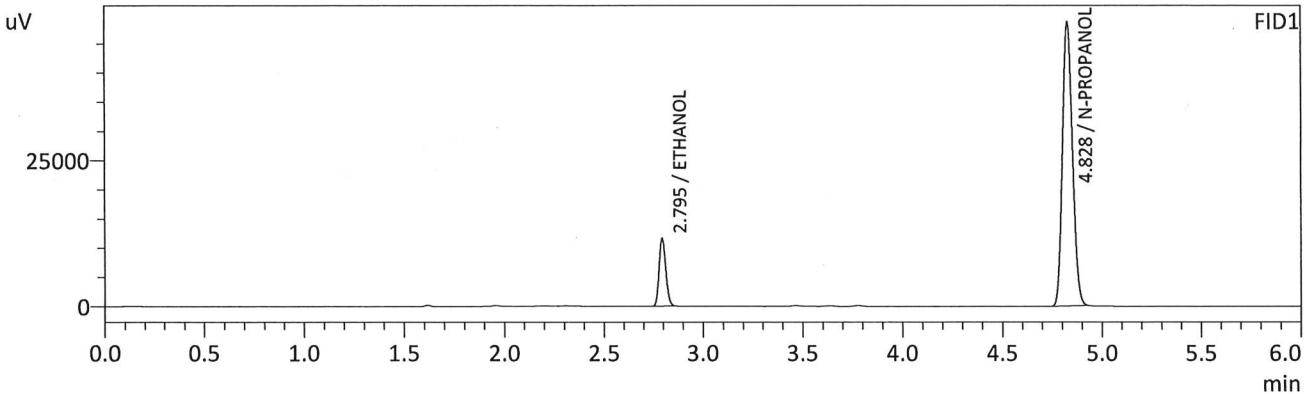
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result
	0.078

*Calibration and control data are stored centrally.*

TS

Sample Name : QC1-2-A  
 Vial # : 53  
 Data Filename : QC1-2-A\_10172022\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 6:36:20 PM  
 Date Processed : 10/18/2022 7:46:28 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	27133	11561
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170409	48674
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

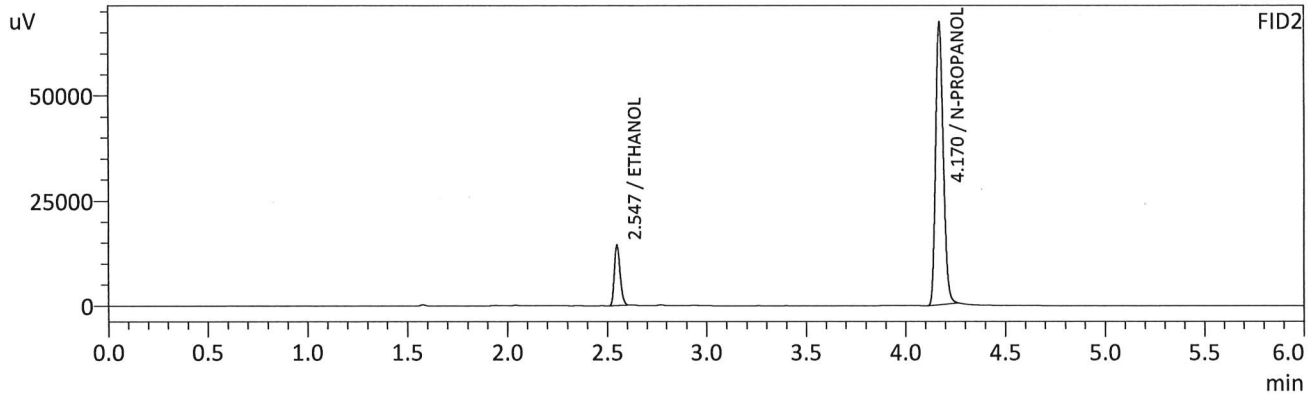
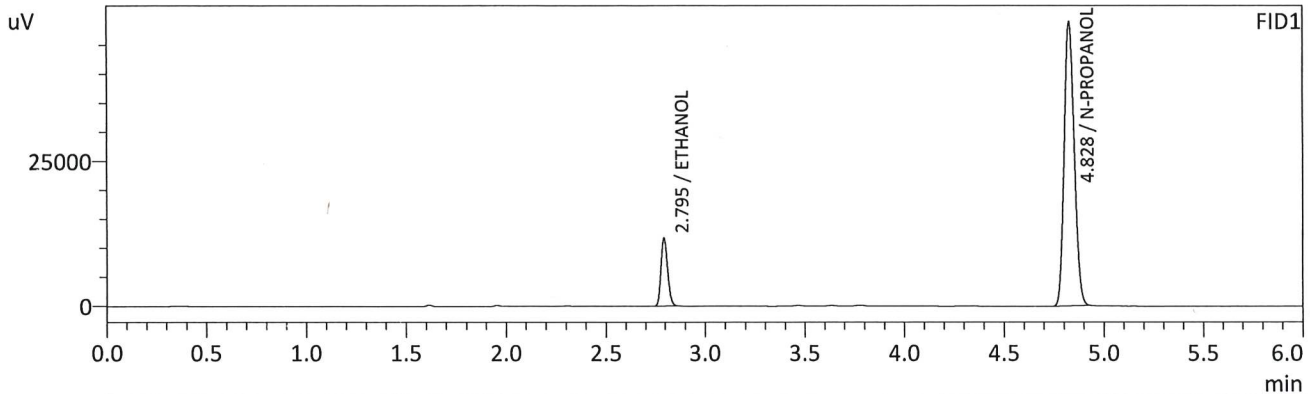
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	28497	14236
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177980	66749
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : QC1-2-B  
 Vial # : 54  
 Data Filename : QC1-2-B\_10172022\_054.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 6:45:37 PM  
 Date Processed : 10/18/2022 7:46:29 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	27368	11657
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171225	48941
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

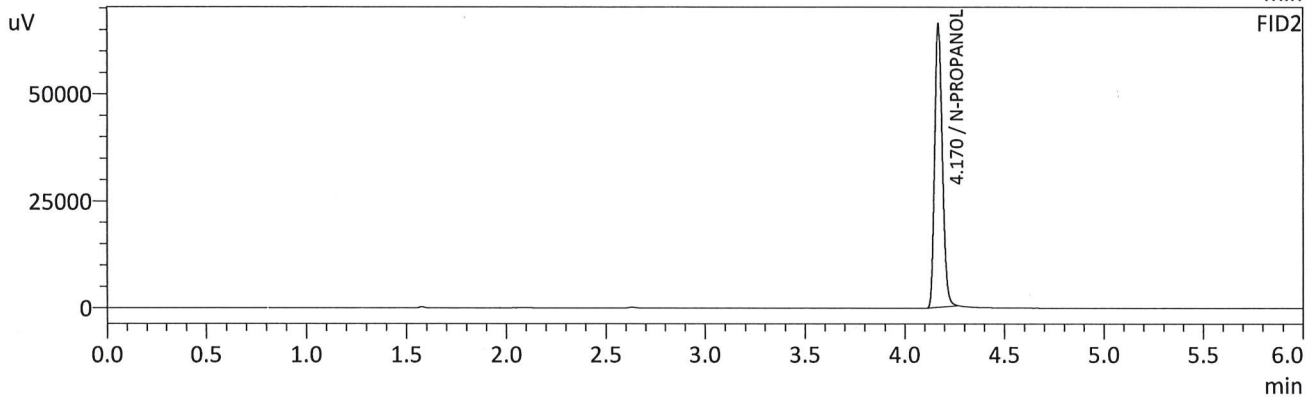
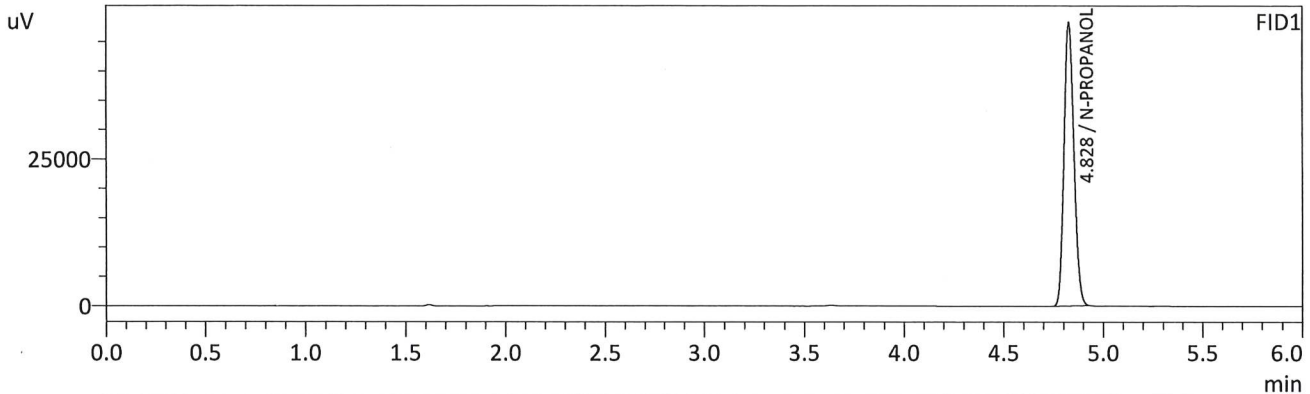
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	28741	14341
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178649	67173
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : INT STD BLK 3  
 Vial # : 55  
 Data Filename : INT STD BLK 3\_10172022\_055.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 6:55:22 PM  
 Date Processed : 10/18/2022 7:46:31 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

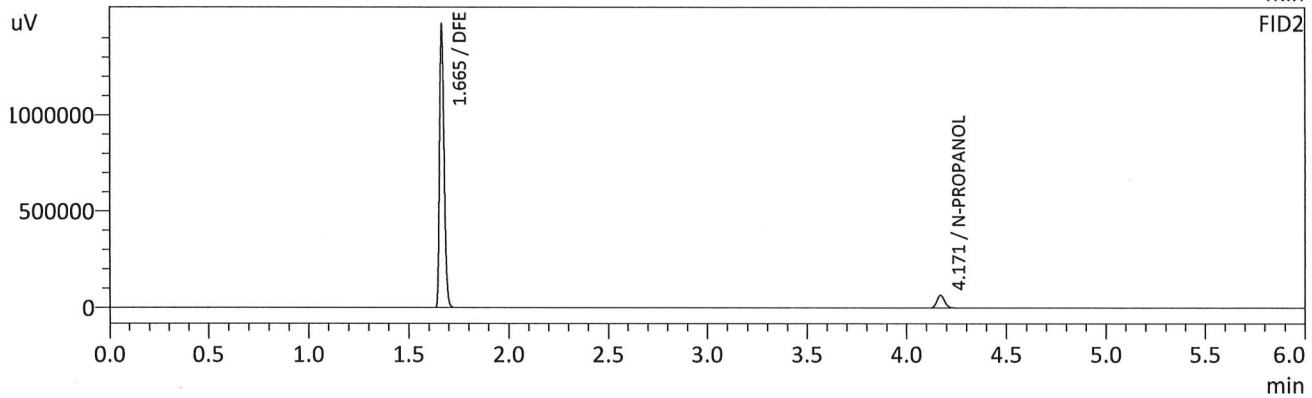
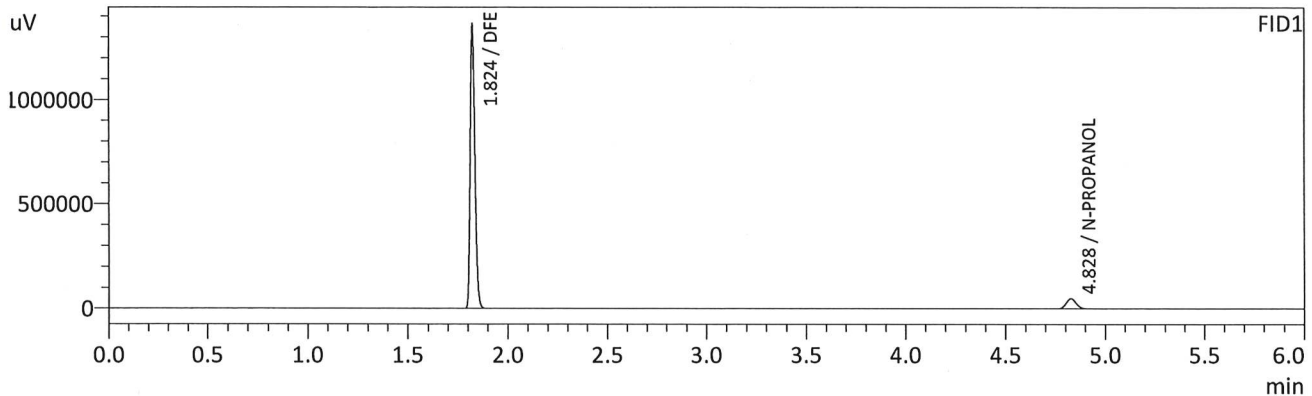
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168576	48292
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176116	66122
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : DFE  
 Vial # : 56  
 Data Filename : DFE\_10172022\_056.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 7:04:52 PM  
 Date Processed : 10/18/2022 7:51:06 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

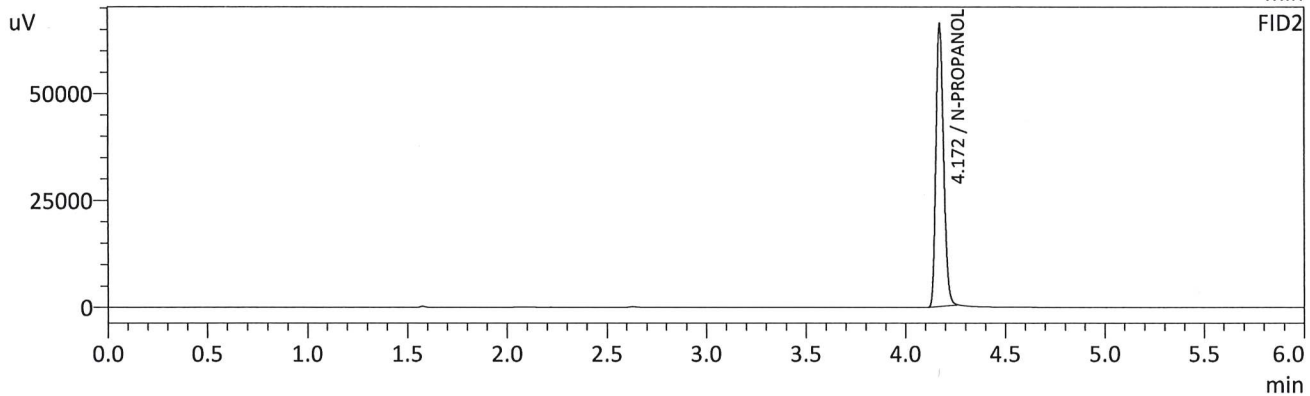
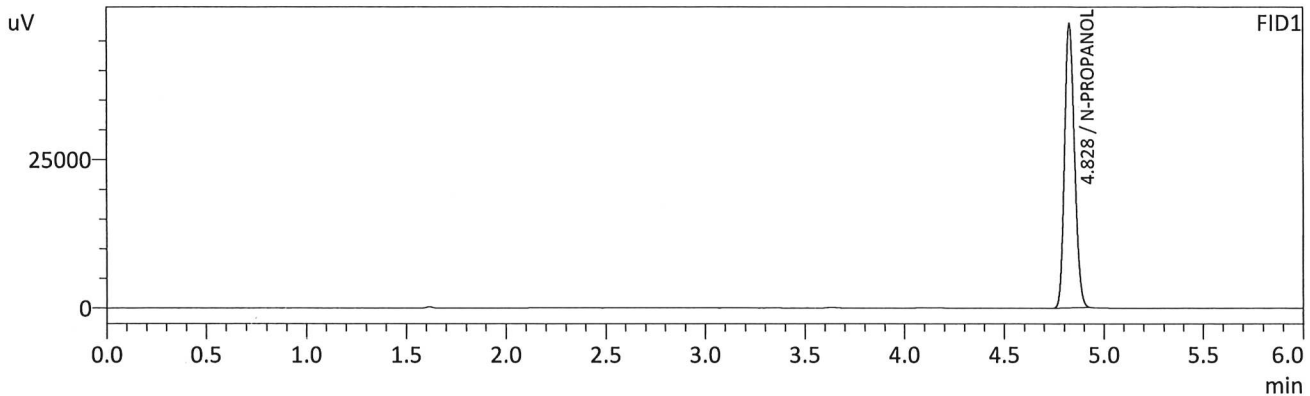
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167702	48031
DFE	0.0000	g/100cc	2209366	1345591
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175254	66094
DFE	0.0000	g/100cc	2338886	1462426
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 4  
 Vial # : 57  
 Data Filename : INT STD BLK 4\_10172022\_057.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 10-17-22 TS.gcb  
 Date Acquired : 10/17/2022 7:14:09 PM  
 Date Processed : 10/18/2022 7:46:33 AM  
 C:\LabSolutions\Data\2022\10-17-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167479	47856
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175002	65814
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

## Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 5.98

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL.gcm	0.050_10172022_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_10172022_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_10172022_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_10172022_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_10172022_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_10172022_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_10172022_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_10172022_008.gcd	0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm	QC1-1-A_10172022_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm	QC1-1-B_10172022_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_10172022_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_10172022_012.gcd	0
13	P2022-2957-1-A	0:Unknown	ALCOHOL.gcm	P2022-2957-1-A_10172022_013.gcd	0
14	P2022-2957-1-B	0:Unknown	ALCOHOL.gcm	P2022-2957-1-B_10172022_014.gcd	0
15	P2022-2996-1-A	0:Unknown	ALCOHOL.gcm	P2022-2996-1-A_10172022_015.gcd	0
16	P2022-2996-1-B	0:Unknown	ALCOHOL.gcm	P2022-2996-1-B_10172022_016.gcd	0
17	P2022-2997-1-A	0:Unknown	ALCOHOL.gcm	P2022-2997-1-A_10172022_017.gcd	0
18	P2022-2997-1-B	0:Unknown	ALCOHOL.gcm	P2022-2997-1-B_10172022_018.gcd	0
19	P2022-3008-1-A	0:Unknown	ALCOHOL.gcm	P2022-3008-1-A_10172022_019.gcd	0
20	P2022-3008-1-B	0:Unknown	ALCOHOL.gcm	P2022-3008-1-B_10172022_020.gcd	0
21	P2022-3013-1-A	0:Unknown	ALCOHOL.gcm	P2022-3013-1-A_10172022_021.gcd	0
22	P2022-3013-1-B	0:Unknown	ALCOHOL.gcm	P2022-3013-1-B_10172022_022.gcd	0
23	P2022-3016-1-A	0:Unknown	ALCOHOL.gcm	P2022-3016-1-A_10172022_023.gcd	0
24	P2022-3016-1-B	0:Unknown	ALCOHOL.gcm	P2022-3016-1-B_10172022_024.gcd	0
25	P2022-3026-1-A	0:Unknown	ALCOHOL.gcm	P2022-3026-1-A_10172022_025.gcd	0
26	P2022-3026-1-B	0:Unknown	ALCOHOL.gcm	P2022-3026-1-B_10172022_026.gcd	0
27	P2022-3029-1-A	0:Unknown	ALCOHOL.gcm	P2022-3029-1-A_10172022_027.gcd	0
28	P2022-3029-1-B	0:Unknown	ALCOHOL.gcm	P2022-3029-1-B_10172022_028.gcd	0
29	P2022-3030-1-A	0:Unknown	ALCOHOL.gcm	P2022-3030-1-A_10172022_029.gcd	0
30	P2022-3030-1-B	0:Unknown	ALCOHOL.gcm	P2022-3030-1-B_10172022_030.gcd	0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_10172022_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_10172022_032.gcd	0
33	P2022-3031-1-A	0:Unknown	ALCOHOL.gcm	P2022-3031-1-A_10172022_033.gcd	0
34	P2022-3031-1-B	0:Unknown	ALCOHOL.gcm	P2022-3031-1-B_10172022_034.gcd	0
35	P2022-3032-1-A	0:Unknown	ALCOHOL.gcm	P2022-3032-1-A_10172022_035.gcd	0
36	P2022-3032-1-B	0:Unknown	ALCOHOL.gcm	P2022-3032-1-B_10172022_036.gcd	0
37	P2022-3046-1-A	0:Unknown	ALCOHOL.gcm	P2022-3046-1-A_10172022_037.gcd	0
38	P2022-3046-1-B	0:Unknown	ALCOHOL.gcm	P2022-3046-1-B_10172022_038.gcd	0
39	P2022-3048-1-A	0:Unknown	ALCOHOL.gcm	P2022-3048-1-A_10172022_039.gcd	0
40	P2022-3048-1-B	0:Unknown	ALCOHOL.gcm	P2022-3048-1-B_10172022_040.gcd	0
41	P2022-3050-1-A	0:Unknown	ALCOHOL.gcm	P2022-3050-1-A_10172022_041.gcd	0
42	P2022-3050-1-B	0:Unknown	ALCOHOL.gcm	P2022-3050-1-B_10172022_042.gcd	0
43	P2022-3054-1-A	0:Unknown	ALCOHOL.gcm	P2022-3054-1-A_10172022_043.gcd	0
44	P2022-3054-1-B	0:Unknown	ALCOHOL.gcm	P2022-3054-1-B_10172022_044.gcd	0
45	P2022-3088-1-A	0:Unknown	ALCOHOL.gcm	P2022-3088-1-A_10172022_045.gcd	0
46	P2022-3088-1B	0:Unknown	ALCOHOL.gcm	P2022-3088-1B_10172022_046.gcd	0
47	P2022-3102-1-A	0:Unknown	ALCOHOL.gcm	P2022-3102-1-A_10172022_047.gcd	0
48	P2022-3102-1-B	0:Unknown	ALCOHOL.gcm	P2022-3102-1-B_10172022_048.gcd	0
49	P2022-3103-1-A	0:Unknown	ALCOHOL.gcm	P2022-3103-1-A_10172022_049.gcd	0
50	P2022-3103-1-B	0:Unknown	ALCOHOL.gcm	P2022-3103-1-B_10172022_050.gcd	0
51	P2022-3106-1-A	0:Unknown	ALCOHOL.gcm	P2022-3106-1-A_10172022_051.gcd	0
52	P2022-3106-1-B	0:Unknown	ALCOHOL.gcm	P2022-3106-1-B_10172022_052.gcd	0

TS

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_10172022_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_10172022_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_10172022_055.gcd	0
56	DFE	0:Unknown	ALCOHOL.gcm	DFE_10172022_056.gcd	0
57	INT STD BLK 4	0:Unknown	ALCOHOL.gcm	INT STD BLK 4_10172022_057.gcd	0