

B

11/10/2021

**Worklist: 5366**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-2343	1	BCK	Alcohol Analysis	
P2021-3152	2	BCK	Alcohol Analysis	
P2021-3507	1	BCK	Alcohol Analysis	
P2021-3533	1	BCK	Alcohol Analysis	
P2021-3545	1	BCK	Alcohol Analysis	
P2021-3549	1	BCK	Alcohol Analysis	
P2021-3563	1	BCK	Alcohol Analysis	
P2021-3568	1	BCK	Alcohol Analysis	
P2021-3607	2	BCK	Alcohol Analysis	
P2021-3617	1	BCK	Alcohol Analysis	
P2021-3618	1	BCK	Alcohol Analysis	
P2021-3619	1	BCK	Alcohol Analysis	
P2021-3625	1	BCK	Alcohol Analysis	
P2021-3626	1	BCK	Alcohol Analysis	
P2021-3627	1	BCK	Alcohol Analysis	
P2021-3629	1	BCK	Alcohol Analysis	
P2021-3640	1	BCK	Alcohol Analysis	
P2021-3665	1	BCK	Alcohol Analysis	
P2021-3668	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): 11/09/2021**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0747 g/100cc 0.0766 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2114 g/100cc g/100cc g/100cc
<b>Multi-Component mixture:</b>			<b>Lot #</b>	<b>FN06041902</b>	<b>ok</b>
<b>Curve Fit:</b>			<b>Column 1</b>	<b>0.99970</b>	<b>Column2</b>
					<b>0.99948</b>

**REVIEWED**

By Jeremy Johnston at 5:36 pm, Nov 14, 2021

TS

<b>Ethanol Calibration Reference Material</b>					
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Mean
50	0.050	0.045 - 0.055	0.0522	0.0536	0.001 0.0529
100	0.100	0.090 - 0.110	0.1015	0.1013	0.0002 0.1014
200	0.200	0.180 - 0.220	0.1969	0.1958	0.0011 0.1963
300	0.300	0.270 - 0.330	0.2964	0.2955	0.0009 0.2959
400	0.400	0.360 - 0.440			0 #DIV/0!
500	0.500	0.450 - 0.550	0.5028	0.5037	0.0009 0.5032

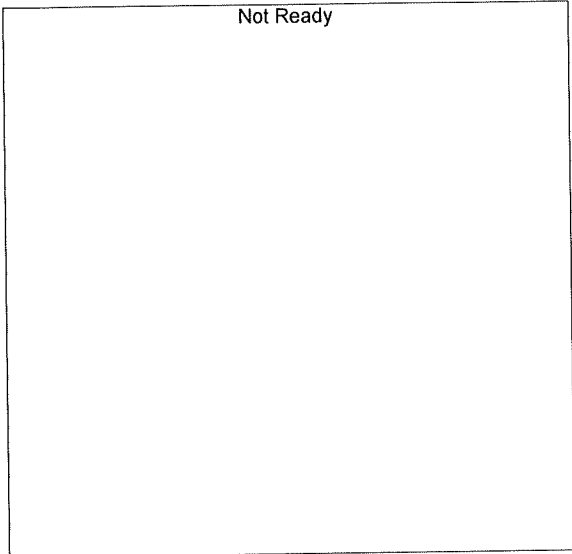
<b>Aqueous Controls</b>		
Control level	Target Value	Overall Results
80	0.080	0.076 - 0.084 0.083 g/100cc

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# Calibration Table

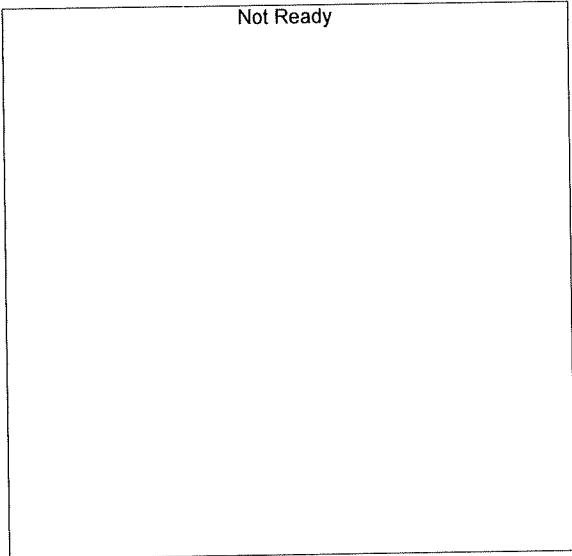
Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Data File>>  
Method File :C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm  
Batch File :C:\LabSolutions\Data\2021\11-09-21\_TS\11-09-21\_TS\_post.gcb  
Date Acquired :11/9/2021 12:53:38 PM  
Date Created :11/9/2021 12:50:52 PM  
Date Modified :11/10/2021 7:51:46 AM



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

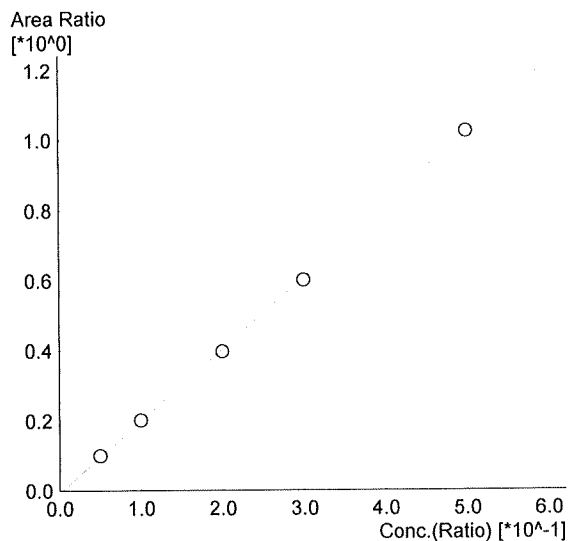
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

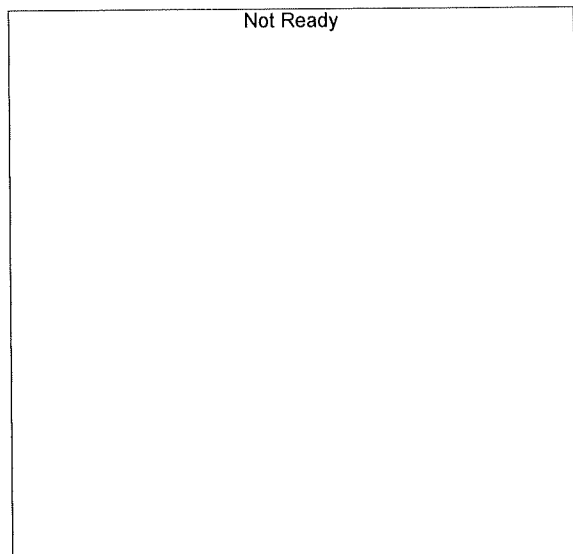
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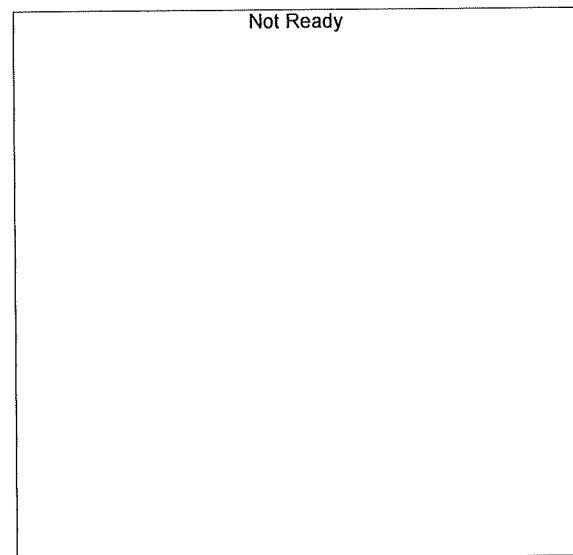
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.05149*x-0.00729619$   
 R^2 value= 0.9997088 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	13988	0.0522	0.050_1192021_001.gcd
2	0.100	28858	0.1015	0.100_1192021_002.gcd
3	0.200	61599	0.1969	0.200_1192021_003.gcd
4	0.300	89390	0.2964	0.300_1192021_004.gcd
5	0.500	158736	0.5028	0.500_1192021_005.gcd



Name : ISOPROPYL ALCOHOL  
 Detector Name: FID1  
 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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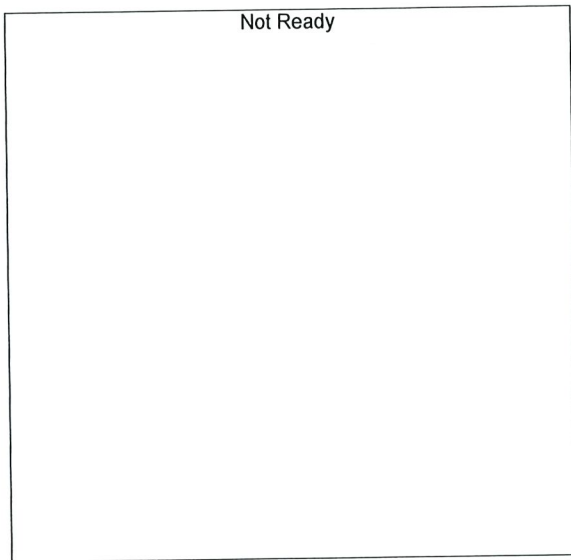


Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R^2 value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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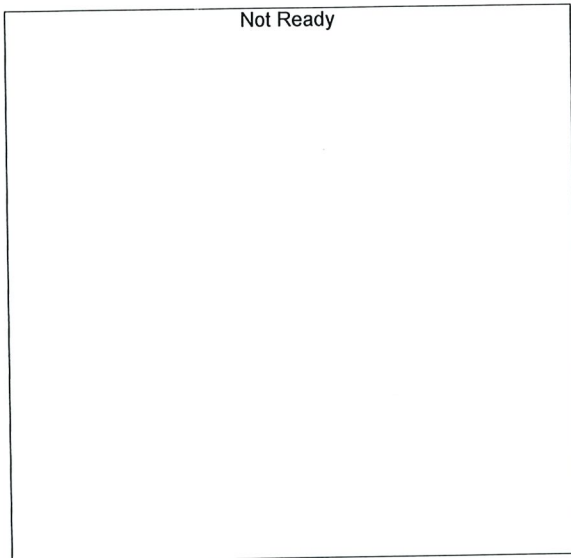


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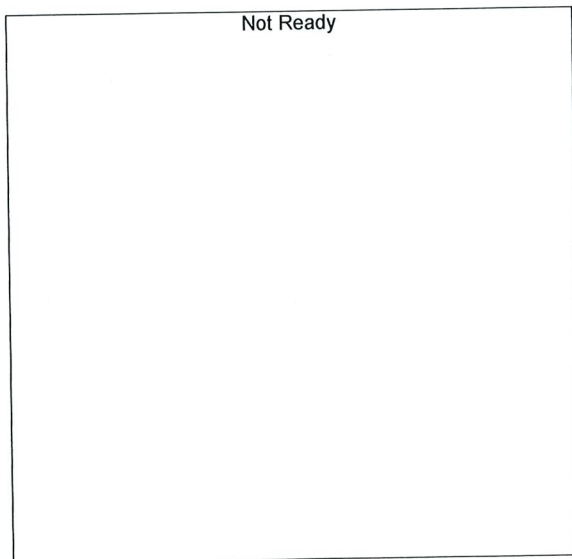
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	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

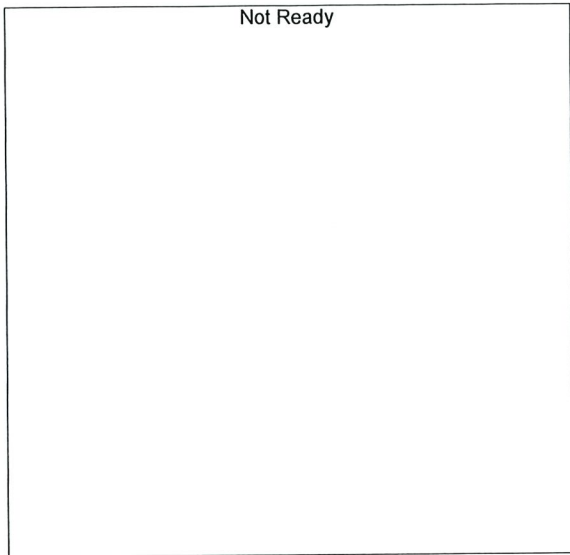
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

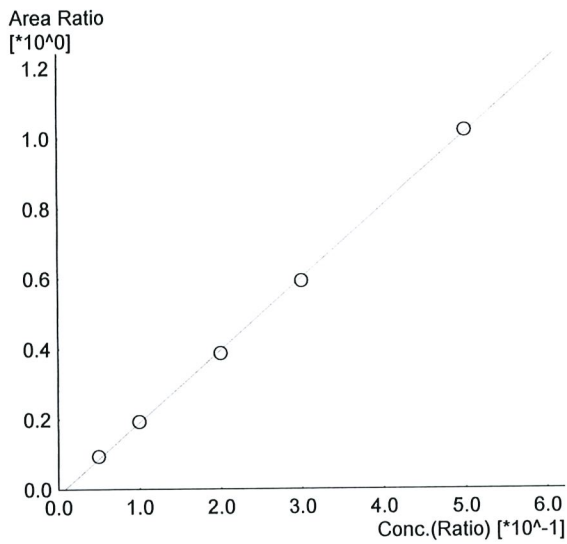
#	Conc.	Area	Std. Conc.	Data File Name
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TS



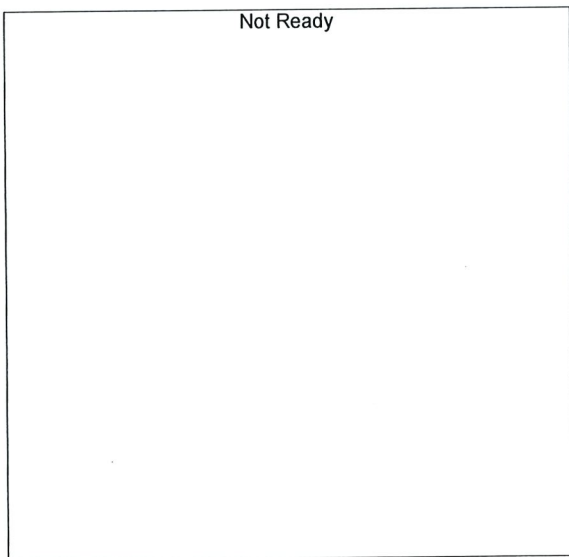
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.06215*x-0.0166262$   
 R<sup>2</sup> value= 0.9994815 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

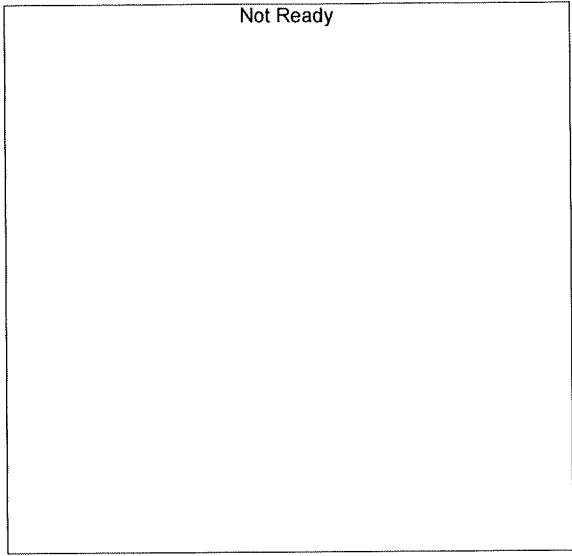
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	13896	0.0536	0.050_1192021_001.gcd
2	0.100	29133	0.1013	0.100_1192021_002.gcd
3	0.200	63226	0.1958	0.200_1192021_003.gcd
4	0.300	92493	0.2955	0.300_1192021_004.gcd
5	0.500	165787	0.5037	0.500_1192021_005.gcd



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

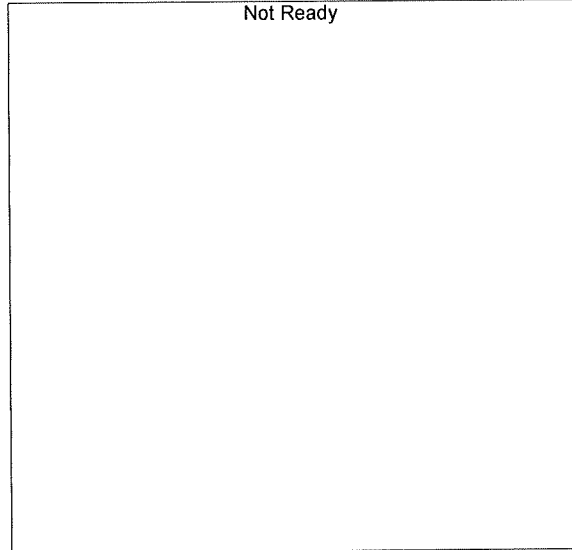
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13



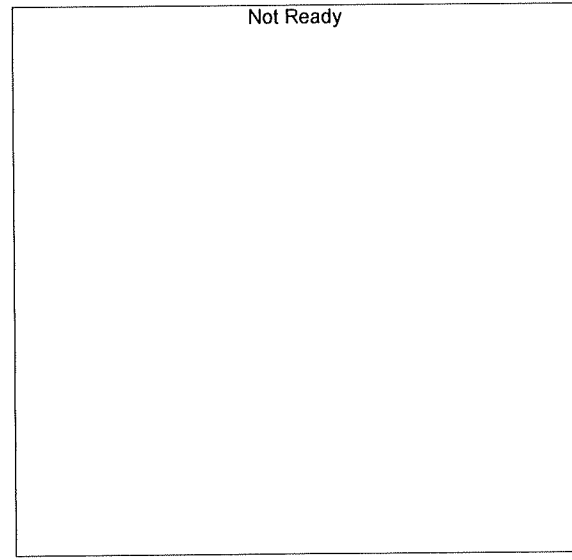
Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	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
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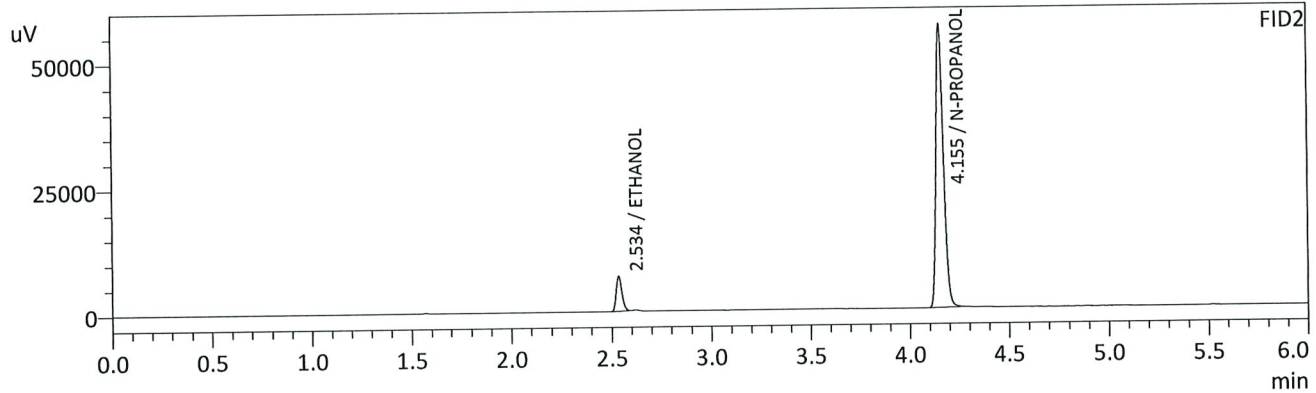
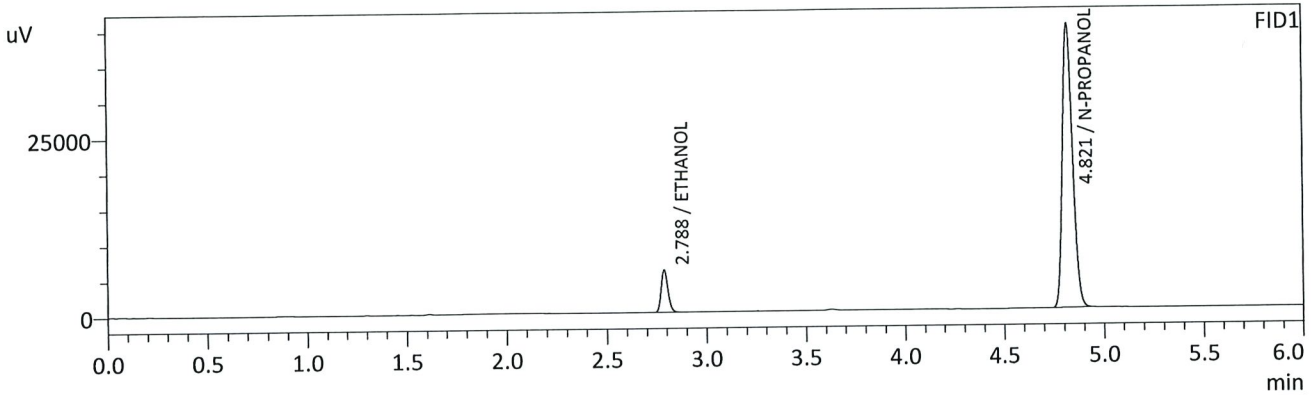


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_1192021\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 12:18:14 PM  
 Date Processed : 11/10/2021 7:51:39 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

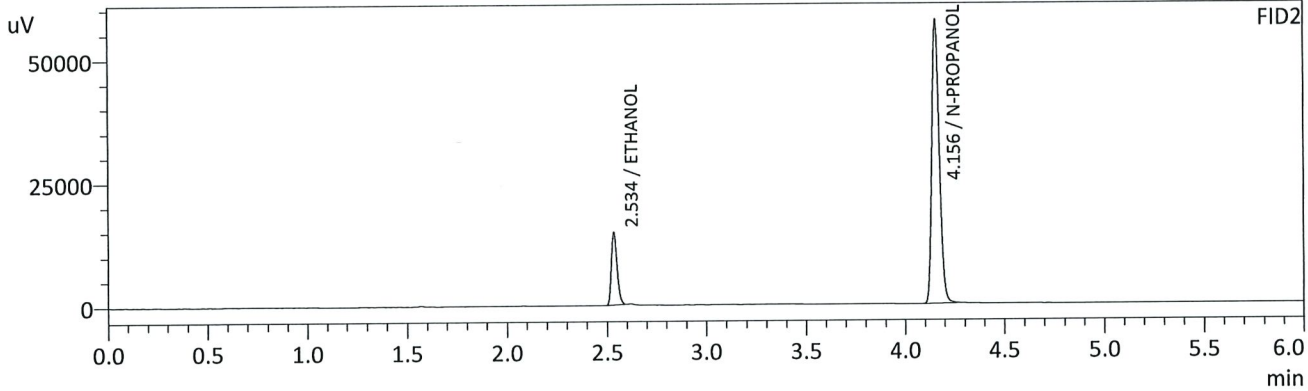
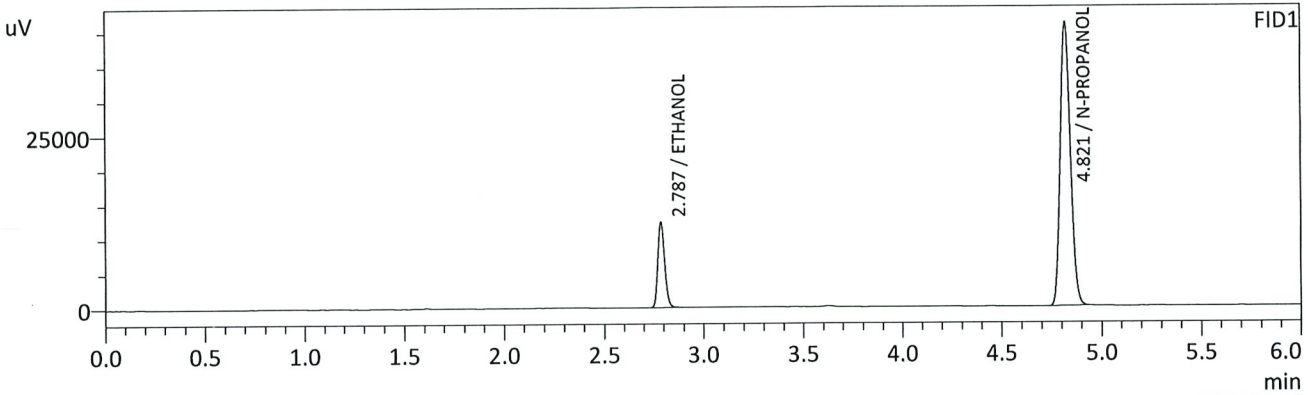
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0522	g/100cc	13988	5956
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139921	39777
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0536	g/100cc	13896	6887
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	147944	56386
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_1192021\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 12:27:00 PM  
 Date Processed : 11/10/2021 7:51:41 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1015	g/100cc	28858	12259
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	143617	40930
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

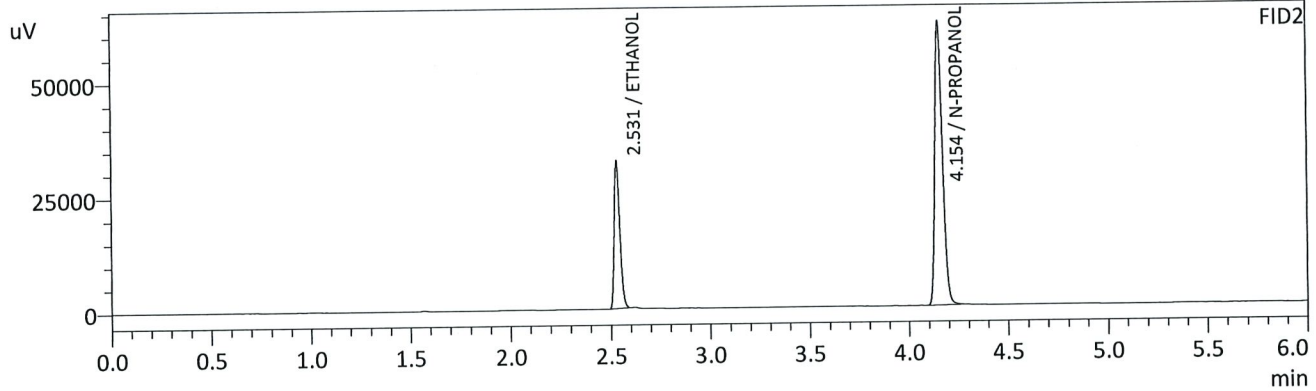
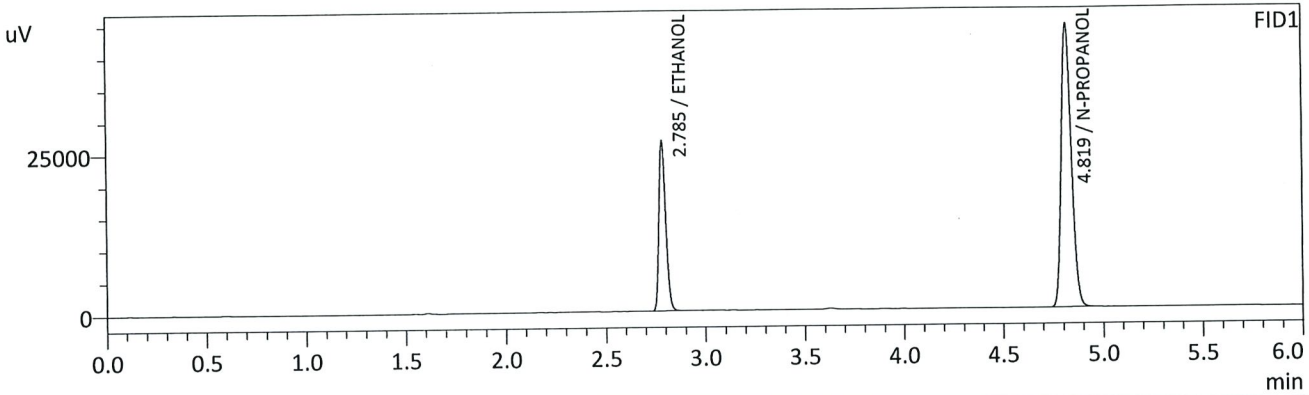
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1013	g/100cc	29133	14584
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151484	57511
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_1192021\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 12:36:04 PM  
 Date Processed : 11/10/2021 7:51:42 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

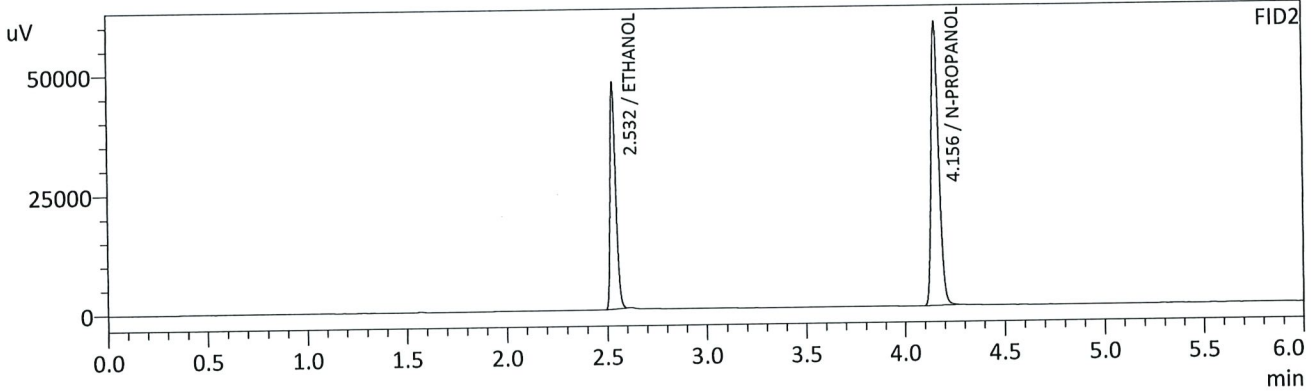
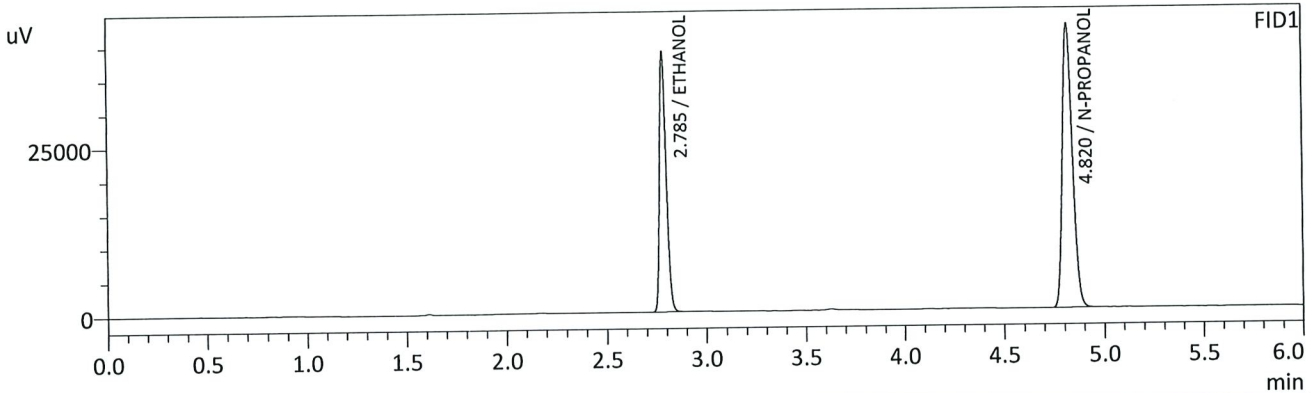
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1969	g/100cc	61599	26413
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155295	44240
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1958	g/100cc	63226	32054
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163308	61408
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_1192021\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 12:44:44 PM  
 Date Processed : 11/10/2021 7:51:44 AM  
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FID1

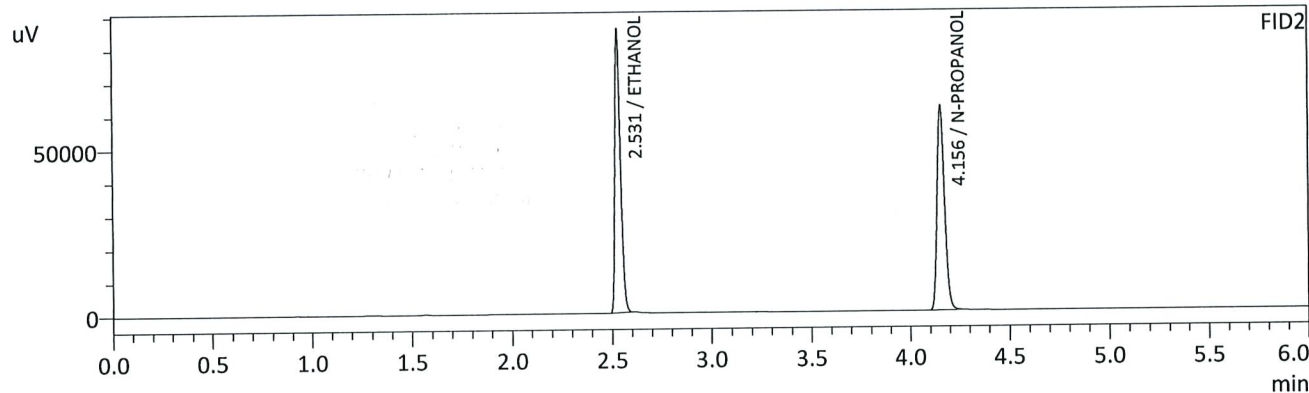
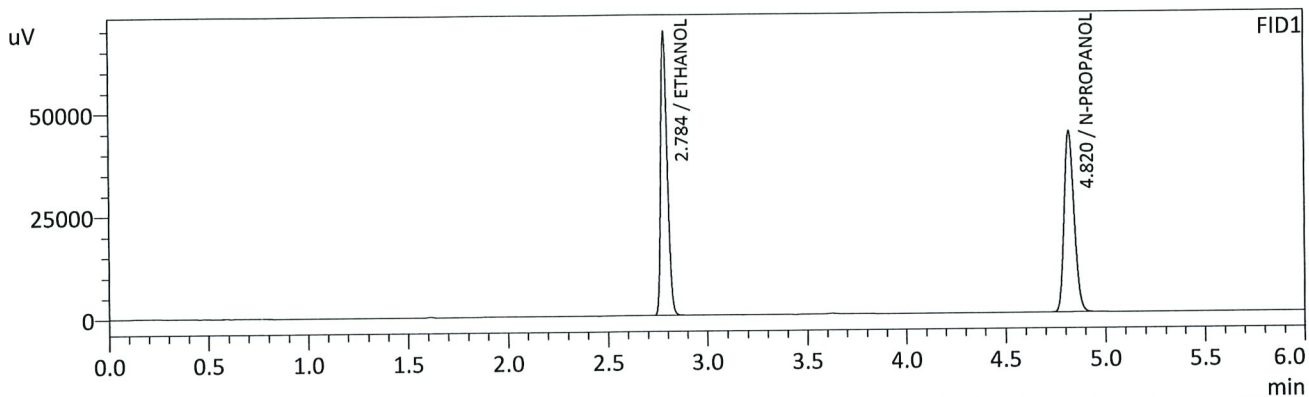
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2964	g/100cc	89390	38543
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148747	42153
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2955	g/100cc	92493	47275
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156032	59434
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_1192021\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 12:53:38 PM  
 Date Processed : 11/10/2021 7:51:46 AM  
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FID1

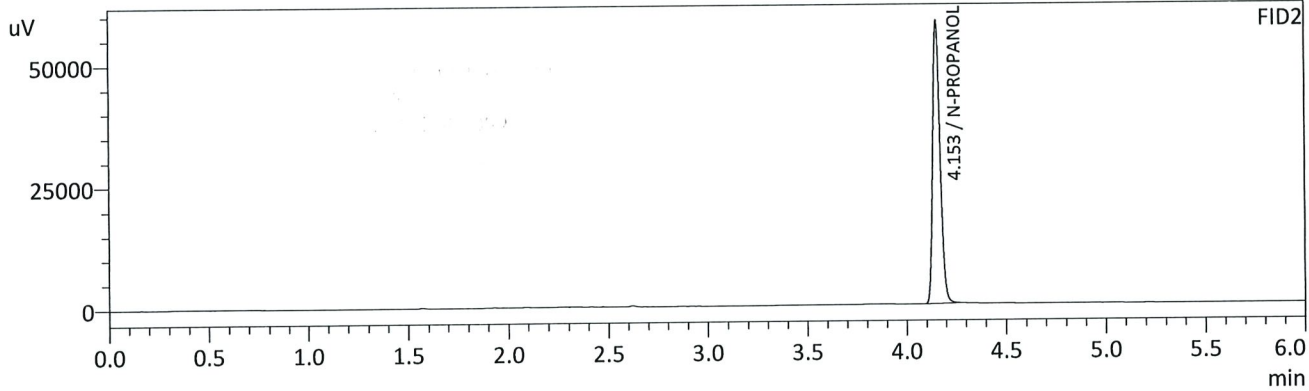
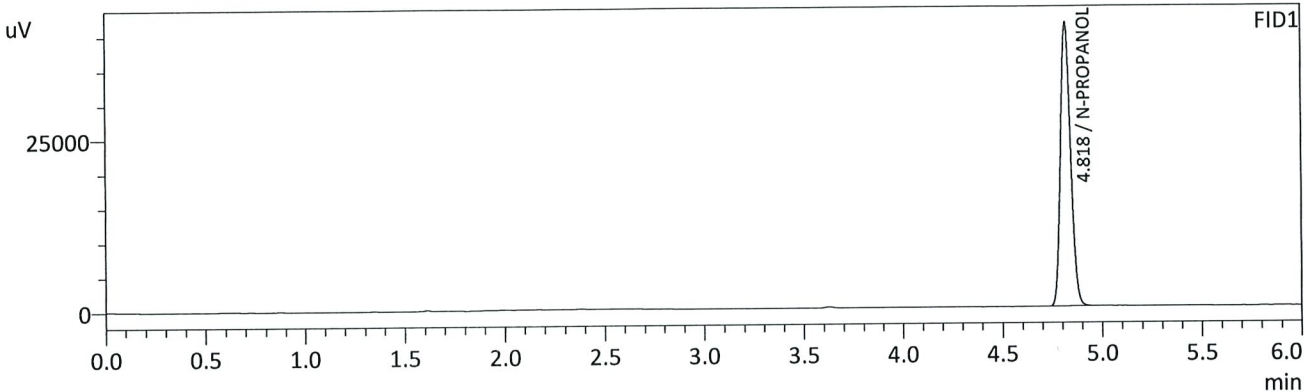
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5028	g/100cc	158736	69017
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154983	44164
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5037	g/100cc	165787	85242
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162193	61737
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_1192021\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:02:38 PM  
 Date Processed : 11/10/2021 7:51:49 AM  
 C:\LabSolutions\Data\2021\11-09-21\_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	144833	41300
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

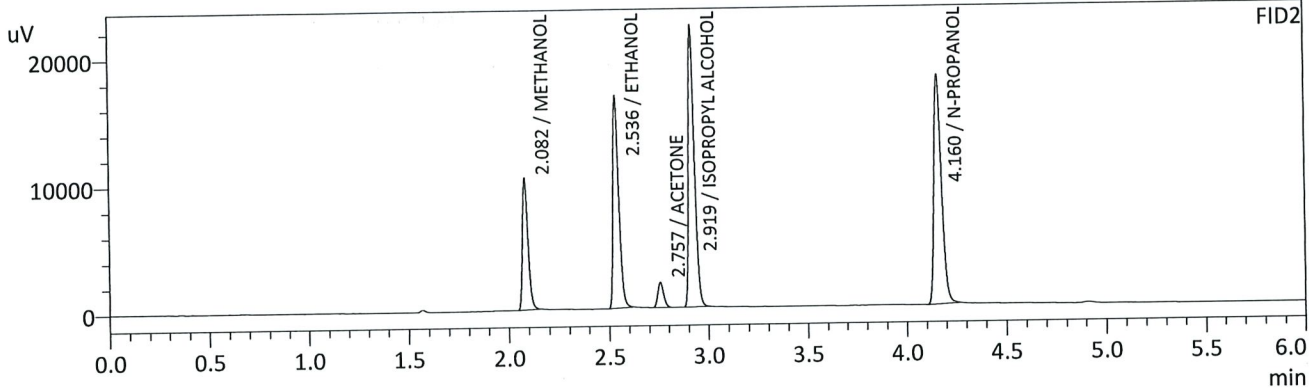
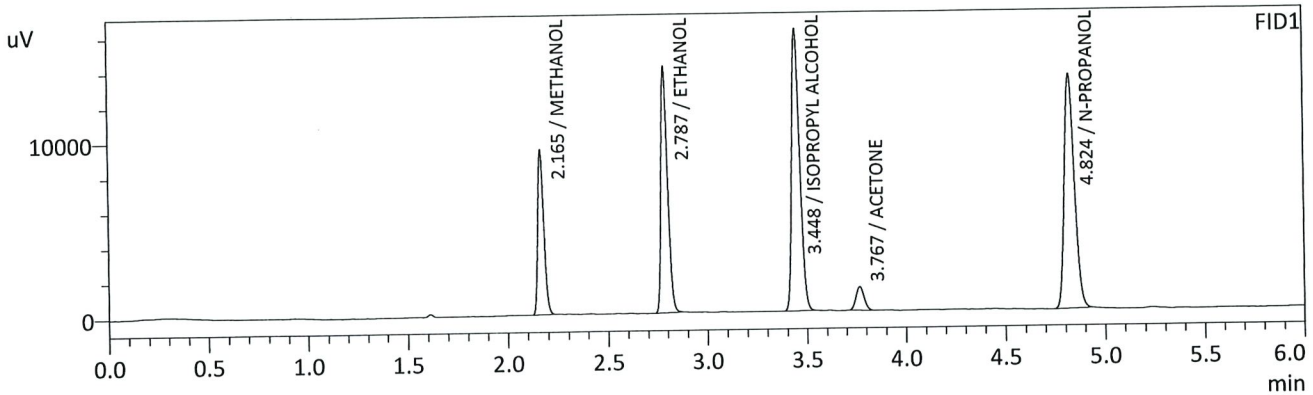
FID2

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	152950	57977
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_1192021\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:11:20 PM  
 Date Processed : 11/10/2021 7:51:50 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	19322	9279
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.3412	g/100cc	32974	13964
ISOPROPYL ALCOHOL	0.0000	g/100cc	45498	16061
ACETONE	0.0000	g/100cc	3860	1337
N-PROPANOL	0.0000	g/100cc	47592	13400
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

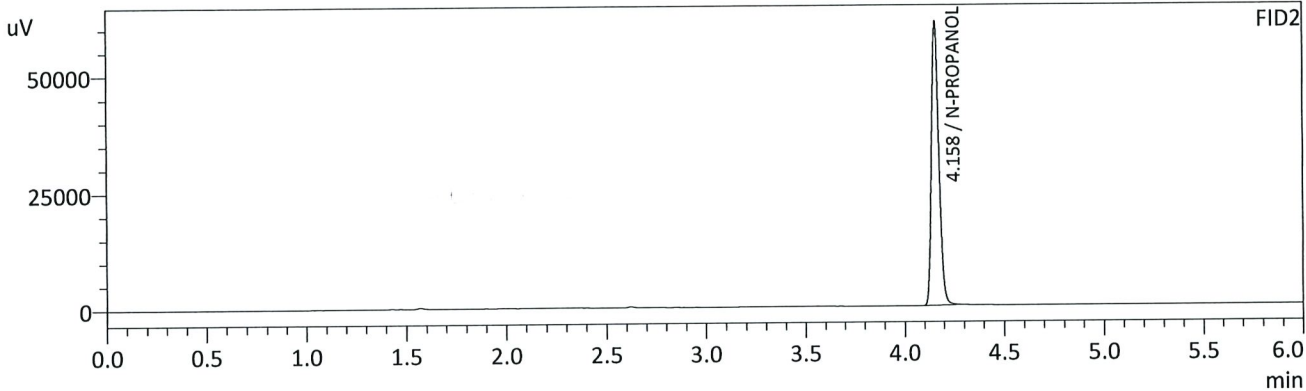
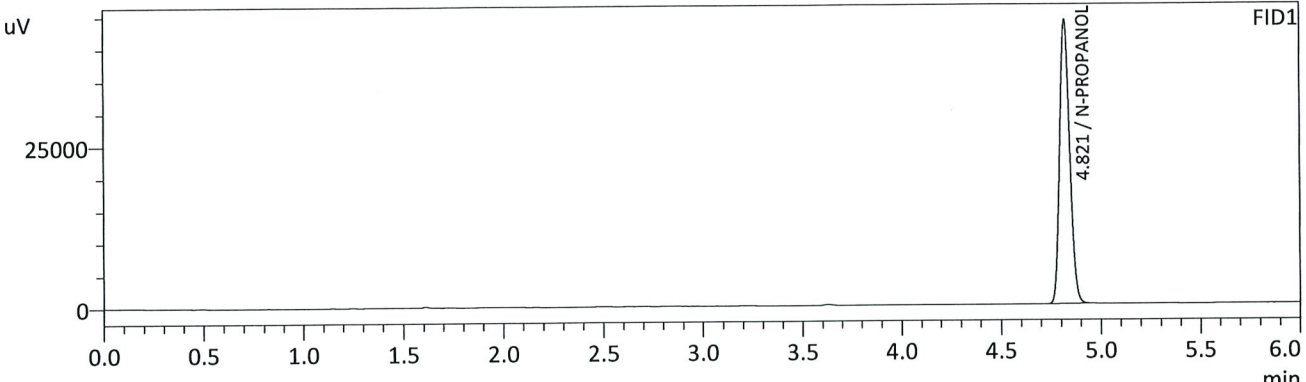
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	19701	10240
ETHANOL	0.3437	g/100cc	33544	16660
ACETONE	0.0000	g/100cc	4079	1993
ISOPROPYL ALCOHOL	0.0000	g/100cc	46894	22114
N-PROPANOL	0.0000	g/100cc	48464	17998
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_1192021\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:20:13 PM  
 Date Processed : 11/10/2021 7:51:52 AM  
 C:\LabSolutions\Data\2021\11-09-21\_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	154130	43733
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	161011	60655
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-1

Analysis Date(s): 11/09/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0744	0.0750	0.0006	0.0747	0.0001	0.0747
(g/100cc)	0.0747	0.0749	0.0002	0.0748		

**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%

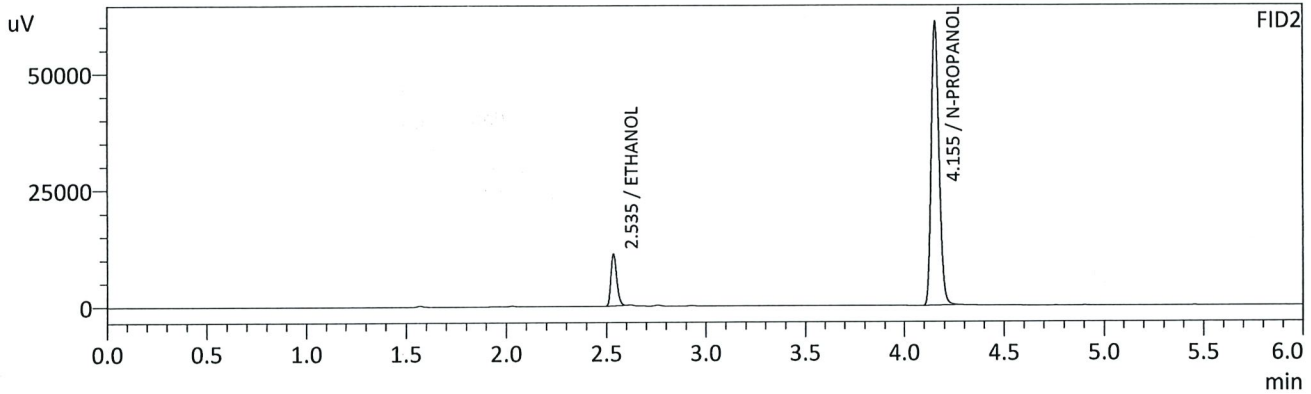
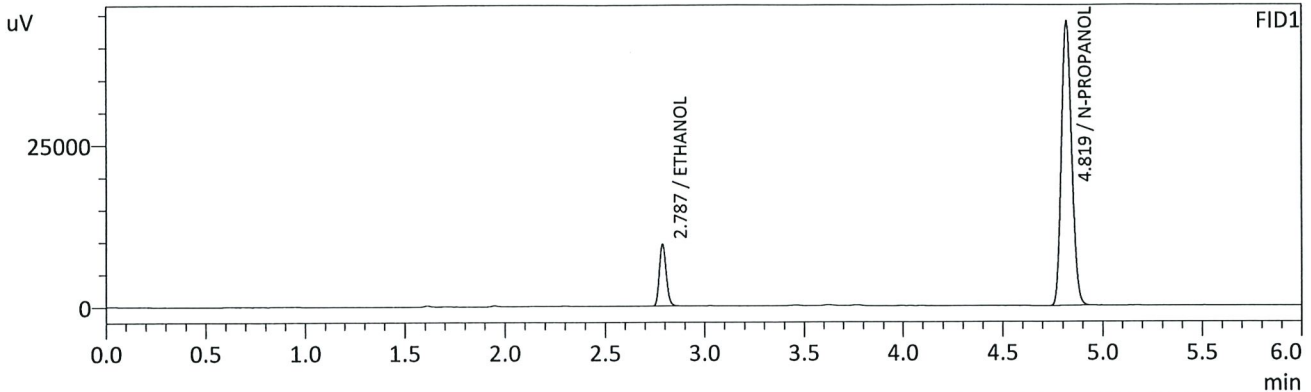
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

Reported Result	
0.074	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC-1-1-A  
 Vial # : 9  
 Data Filename : QC-1-1-A\_1192021\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:29:14 PM  
 Date Processed : 11/10/2021 7:51:53 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

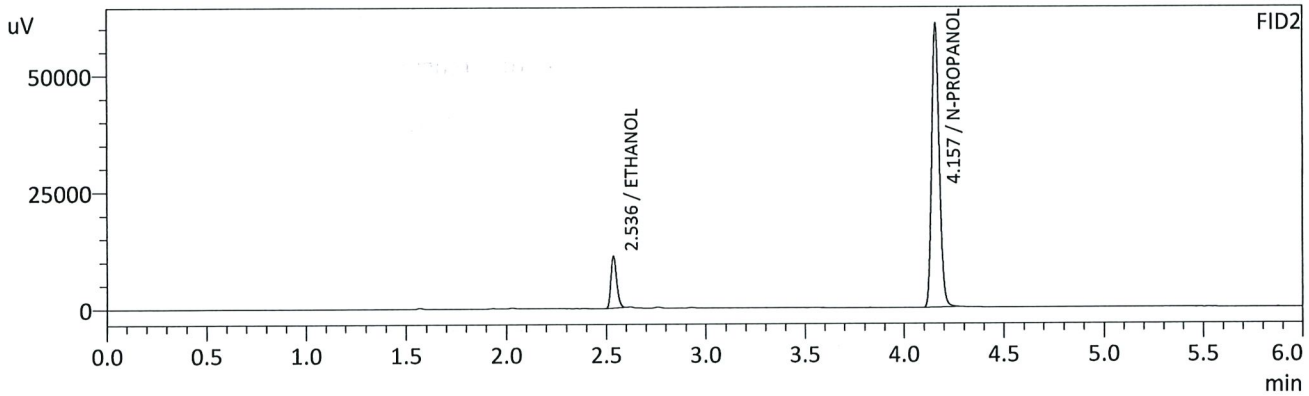
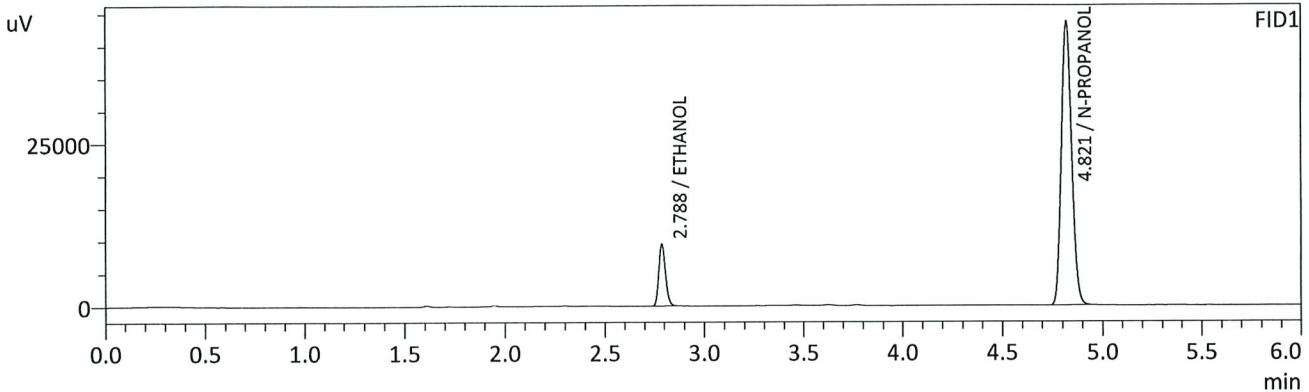
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0744	g/100cc	22433	9413
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154215	43862
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0750	g/100cc	22231	10990
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161009	60795
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-1-1-B  
 Vial # : 10  
 Data Filename : QC-1-1-B\_1192021\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:37:55 PM  
 Date Processed : 11/10/2021 7:51:55 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	22477	9443
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153895	43489
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	22146	11019
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160593	60548
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 QA

Analysis Date(s): 11/09/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0827	0.0829	0.0002	0.0828	0.0005	0.0830
(g/100cc)	0.0833	0.0834	0.0001	0.0833		

**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
0.083	0.078	0.088	0.005

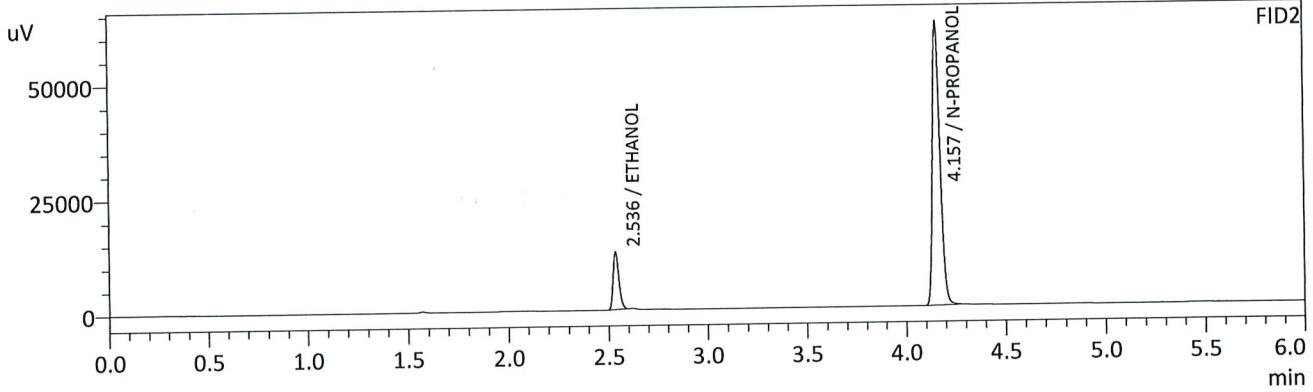
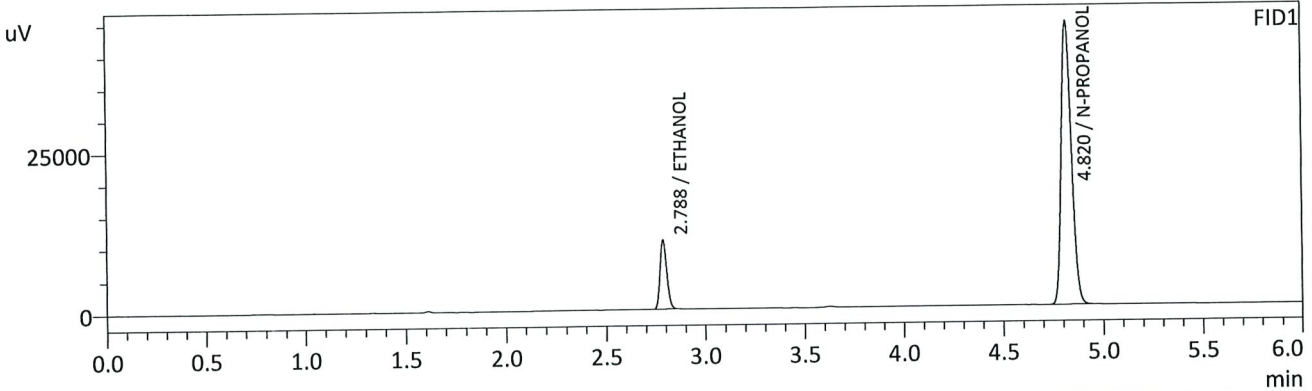
Reported Result	
0.083	

*Calibration and control data are stored centrally.*



TS

Sample Name : 0.08 QA - A  
 Vial # : 11  
 Data Filename : 0.08 QA - A\_1192021\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:46:46 PM  
 Date Processed : 11/10/2021 7:51:57 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

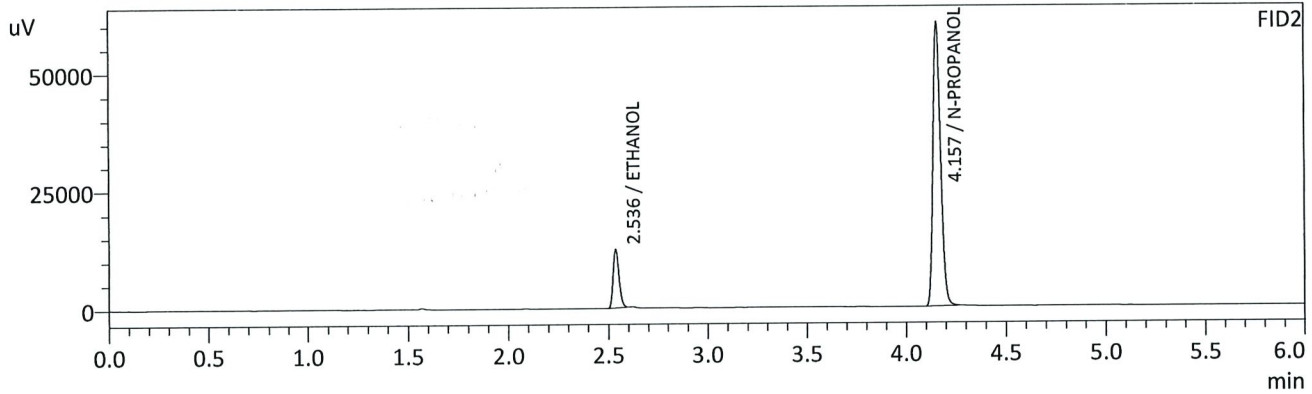
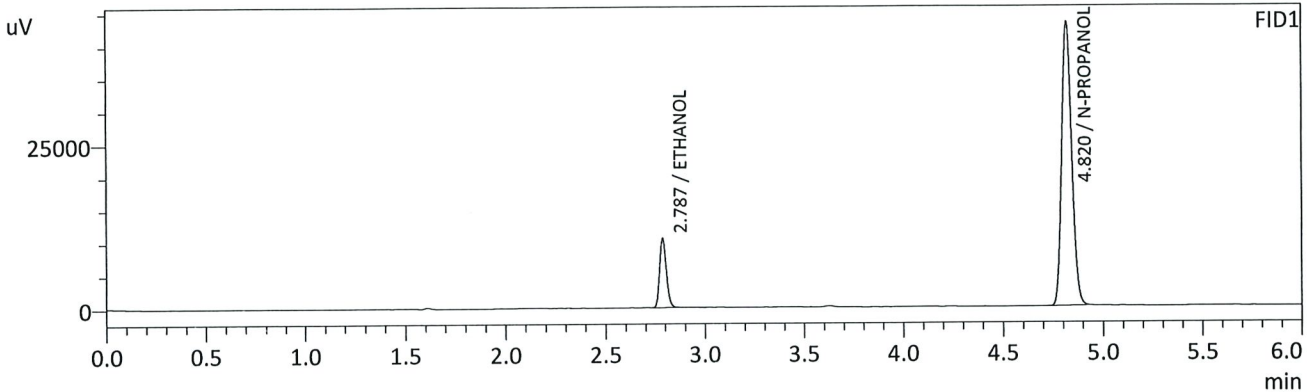
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0827	g/100cc	25391	10705
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156222	44167
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0829	g/100cc	25238	12554
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163403	61976
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_1192021\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 1:55:48 PM  
 Date Processed : 11/10/2021 7:51:58 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0833	g/100cc	25010	10518
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152823	43342
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0834	g/100cc	24780	12328
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159302	60135
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 2-1

Analysis Date(s): 11/09/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2119	0.0012	0.2125	0.0021	0.2114
(g/100cc)	0.2111	0.2098	0.0013	0.2104		

**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%

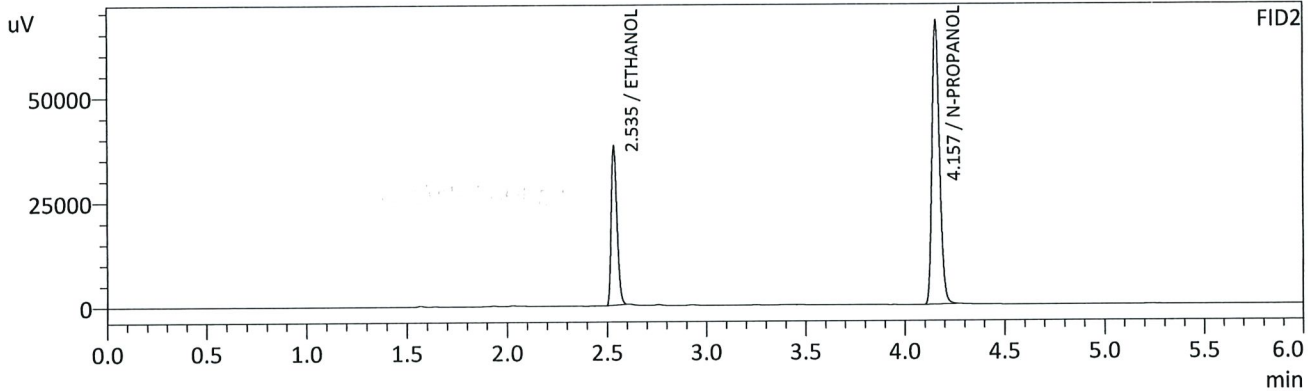
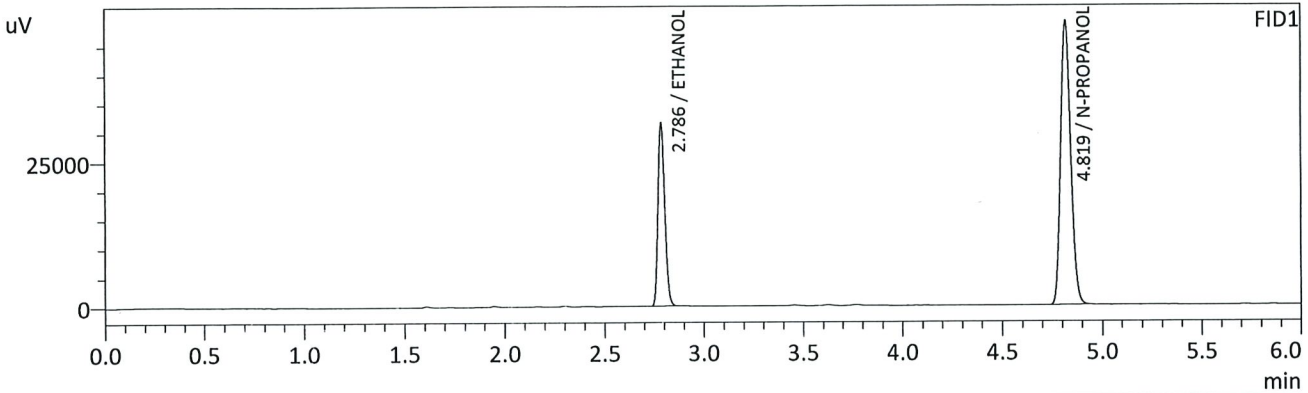
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC-2-1-A  
 Vial # : 31  
 Data Filename : QC-2-1-A\_1192021\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 4:44:00 PM  
 Date Processed : 11/10/2021 7:52:22 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	74163	31460
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172458	49004
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

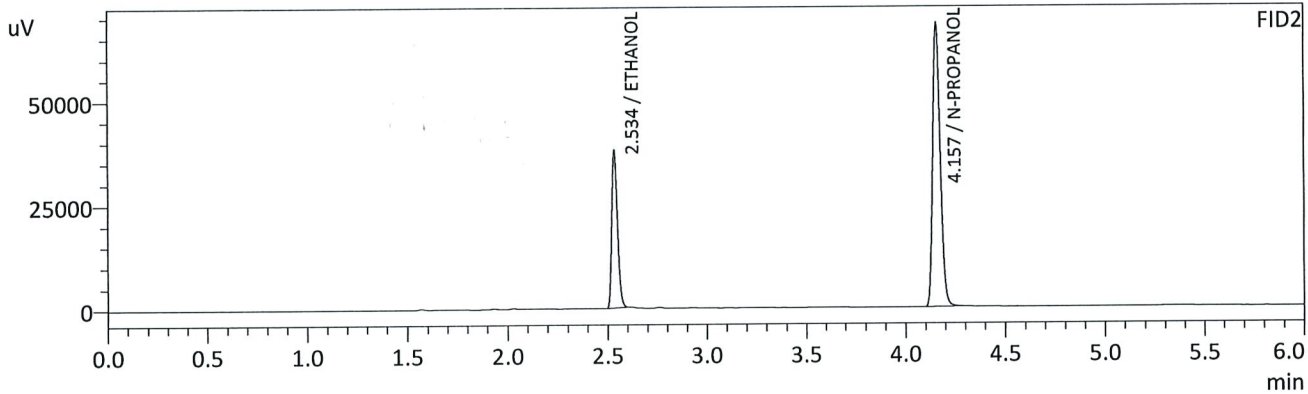
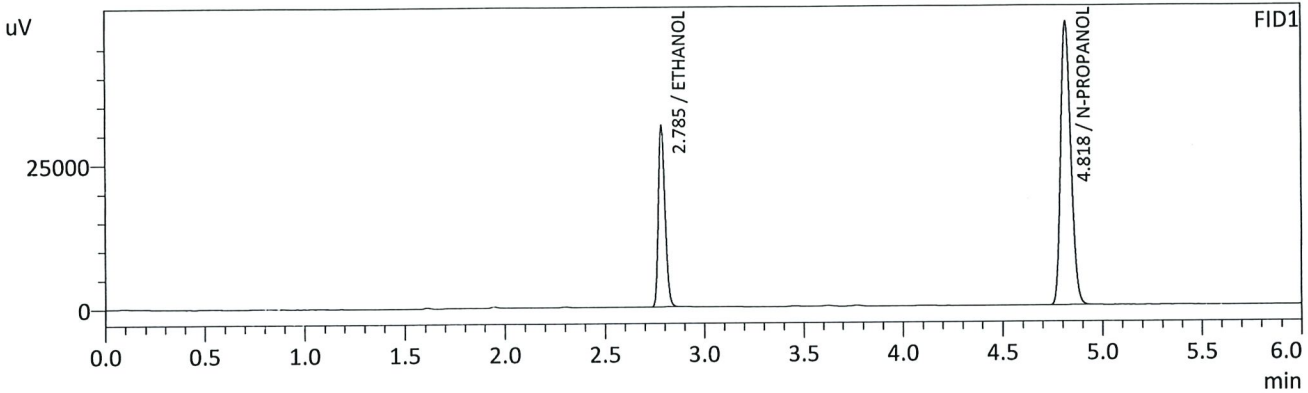
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2119	g/100cc	75326	37658
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179147	67587
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : QC-2-1-B  
 Vial # : 32  
 Data Filename : QC-2-1-B\_1192021\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 4:52:52 PM  
 Date Processed : 11/10/2021 7:52:23 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2111	g/100cc	73756	31271
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173204	49153
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2098	g/100cc	75003	37296
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180278	68204
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



15

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-2

Analysis Date(s): 11/09/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0766	0.0766	0.0000	0.0766	0.0001	0.0766
(g/100cc)	0.0767	0.0768	0.0001	0.0767		

**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%

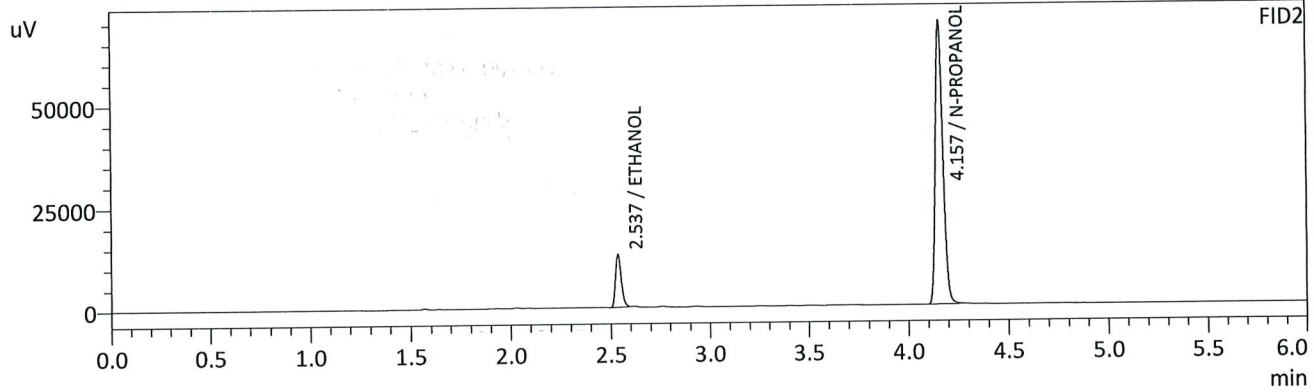
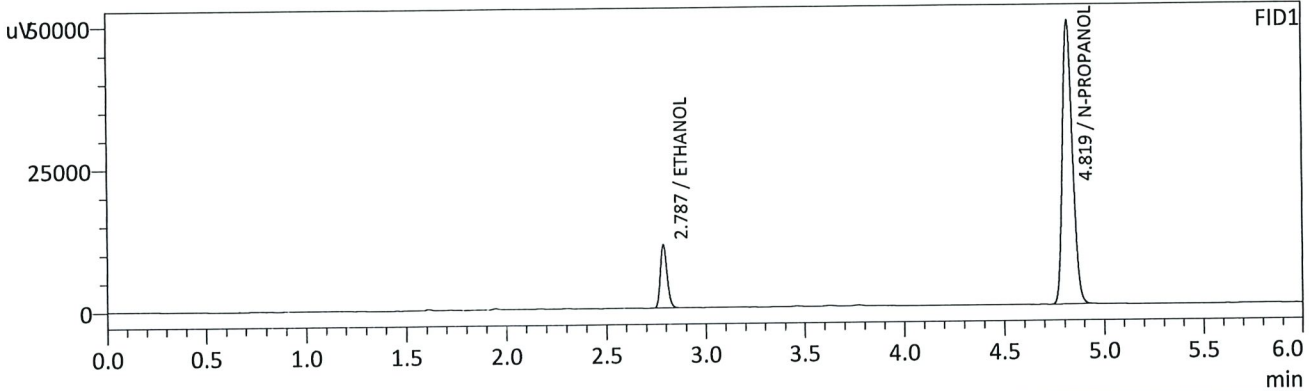
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	<b>Reported Result</b>	
	0.076	

*Calibration and control data are stored centrally.*

15

Sample Name : QC1-2-A  
 Vial # : 53  
 Data Filename : QC1-2-A\_1192021\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 7:58:51 PM  
 Date Processed : 11/10/2021 7:52:48 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

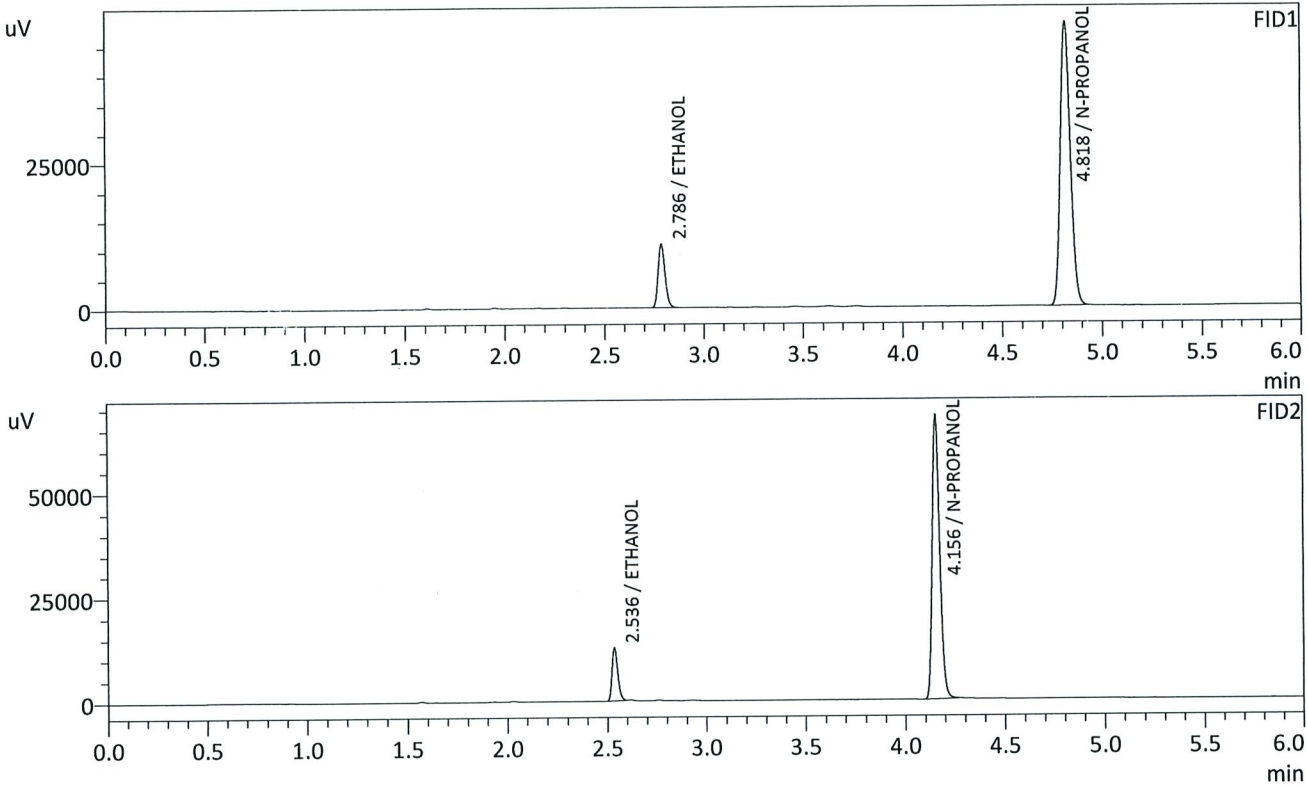
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0766	g/100cc	26261	11033
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175242	49864
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0766	g/100cc	25848	12884
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182655	69238
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B  
 Vial # : 54  
 Data Filename : QC1-2-B\_1192021\_054.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 8:07:52 PM  
 Date Processed : 11/10/2021 7:52:49 AM  
 C:\LabSolutions\Data\2021\11-09-21\_TS\ALCOHOL.gcm



FID1

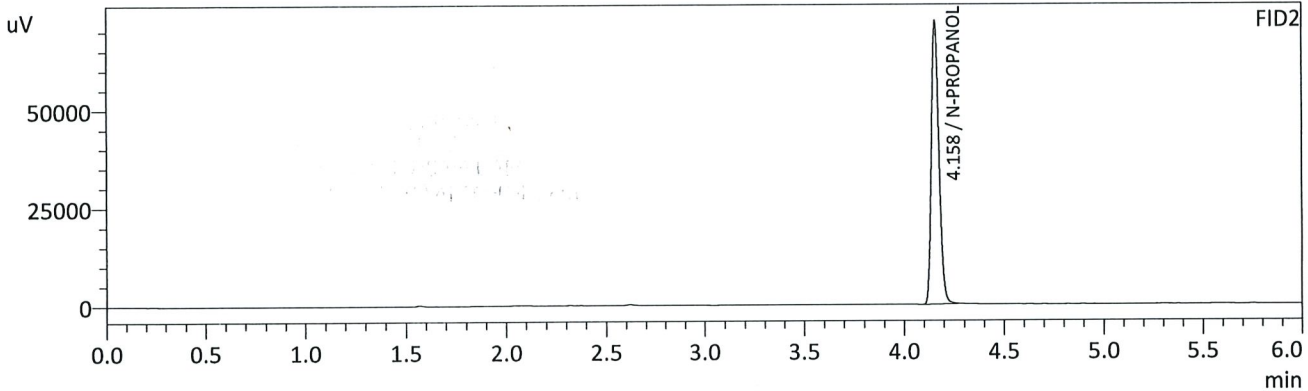
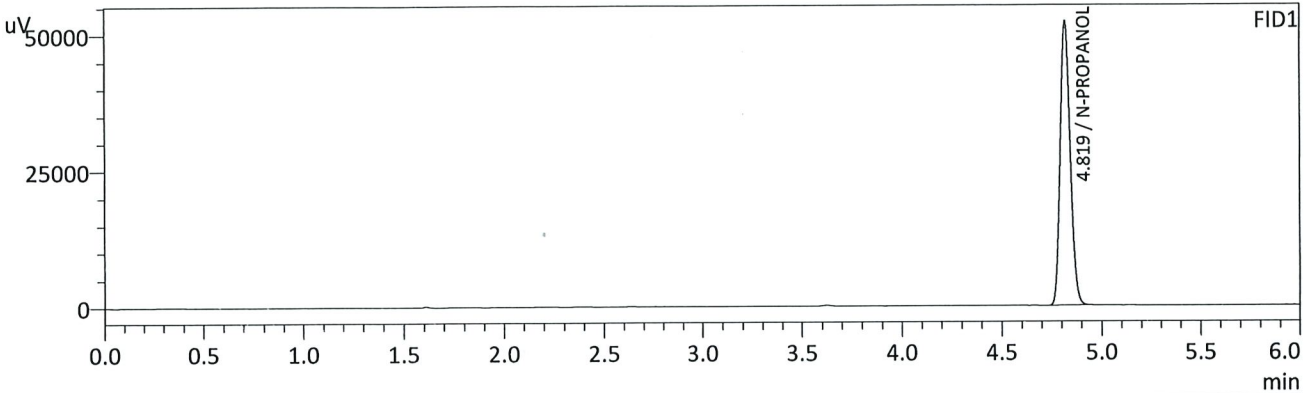
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0767	g/100cc	25720	10767
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171275	48724
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0768	g/100cc	25376	12606
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178765	67928
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3  
 Vial # : 55  
 Data Filename : INT STD BLK 3\_1192021\_055.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 11-09-21\_TS\_post.gcb  
 Date Acquired : 11/9/2021 8:16:31 PM  
 Date Processed : 11/10/2021 7:52:51 AM  
 C:\LabSolutions\Data\2021\11-09-21\_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	182549	52128
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	190446	71803
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



B

# 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:(I)	ALCOHOL.gcm	0.050_1192021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_1192021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_1192021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_1192021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_1192021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_1192021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1192021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_1192021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_1192021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_1192021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_1192021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_1192021_012.gcd	0
13	P2021-2343-1-A	0:Unknown	ALCOHOL.gcm	P2021-2343-1-A_1192021_013.gcd	0
14	P2021-2343-1-B	0:Unknown	ALCOHOL.gcm	P2021-2343-1-B_1192021_014.gcd	0
15	P2021-3152-2-A	0:Unknown	ALCOHOL.gcm	P2021-3152-2-A_1192021_015.gcd	0
16	P2021-3152-2-B	0:Unknown	ALCOHOL.gcm	P2021-3152-2-B_1192021_016.gcd	0
17	P2021-3507-1-A	0:Unknown	ALCOHOL.gcm	P2021-3507-1-A_1192021_017.gcd	0
18	P2021-3507-1-B	0:Unknown	ALCOHOL.gcm	P2021-3507-1-B_1192021_018.gcd	0
19	P2021-3533-1-A	0:Unknown	ALCOHOL.gcm	P2021-3533-1-A_1192021_019.gcd	0
20	P2021-3533-1-B	0:Unknown	ALCOHOL.gcm	P2021-3533-1-B_1192021_020.gcd	0
21	P2021-3545-1-A	0:Unknown	ALCOHOL.gcm	P2021-3545-1-A_1192021_021.gcd	0
22	P2021-3545-1-B	0:Unknown	ALCOHOL.gcm	P2021-3545-1-B_1192021_022.gcd	0
23	P2021-3549-1-A	0:Unknown	ALCOHOL.gcm	P2021-3549-1-A_1192021_023.gcd	0
24	P2021-3549-1-B	0:Unknown	ALCOHOL.gcm	P2021-3549-1-B_1192021_024.gcd	0
25	P2021-3563-1-A	0:Unknown	ALCOHOL.gcm	P2021-3563-1-A_1192021_025.gcd	0
26	P2021-3563-1-B	0:Unknown	ALCOHOL.gcm	P2021-3563-1-B_1192021_026.gcd	0
27	P2021-3568-1-A	0:Unknown	ALCOHOL.gcm	P2021-3568-1-A_1192021_027.gcd	0
28	P2021-3568-1-B	0:Unknown	ALCOHOL.gcm	P2021-3568-1-B_1192021_028.gcd	0
29	P2021-3607-2-A	0:Unknown	ALCOHOL.gcm	P2021-3607-2-A_1192021_029.gcd	0
30	P2021-3607-2-B	0:Unknown	ALCOHOL.gcm	P2021-3607-2-B_1192021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_1192021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_1192021_032.gcd	0
33	P2021-3617-1-A	0:Unknown	ALCOHOL.gcm	P2021-3617-1-A_1192021_033.gcd	0
34	P2021-3617-1-B	0:Unknown	ALCOHOL.gcm	P2021-3617-1-B_1192021_034.gcd	0
35	P2021-3618-1-A	0:Unknown	ALCOHOL.gcm	P2021-3618-1-A_1192021_035.gcd	0
36	P2021-3618-1-B	0:Unknown	ALCOHOL.gcm	P2021-3618-1-B_1192021_036.gcd	0
37	P2021-3619-1-A	0:Unknown	ALCOHOL.gcm	P2021-3619-1-A_1192021_037.gcd	0
38	P2021-3619-1-B	0:Unknown	ALCOHOL.gcm	P2021-3619-1-B_1192021_038.gcd	0
39	P2021-3625-1-A	0:Unknown	ALCOHOL.gcm	P2021-3625-1-A_1192021_039.gcd	0
40	P2021-3625-1-B	0:Unknown	ALCOHOL.gcm	P2021-3625-1-B_1192021_040.gcd	0
41	P2021-3626-1-A	0:Unknown	ALCOHOL.gcm	P2021-3626-1-A_1192021_041.gcd	0
42	P2021-3626-1-B	0:Unknown	ALCOHOL.gcm	P2021-3626-1-B_1192021_042.gcd	0
43	P2021-3627-1-A	0:Unknown	ALCOHOL.gcm	P2021-3627-1-A_1192021_043.gcd	0
44	P2021-3627-1-B	0:Unknown	ALCOHOL.gcm	P2021-3627-1-B_1192021_044.gcd	0
45	P2021-3629-1-A	0:Unknown	ALCOHOL.gcm	P2021-3629-1-A_1192021_045.gcd	0
46	P2021-3629-1-B	0:Unknown	ALCOHOL.gcm	P2021-3629-1-B_1192021_046.gcd	0
47	P2021-3640-1-A	0:Unknown	ALCOHOL.gcm	P2021-3640-1-A_1192021_047.gcd	0
48	P2021-3640-1-B	0:Unknown	ALCOHOL.gcm	P2021-3640-1-B_1192021_048.gcd	0
49	P2021-3665-1-A	0:Unknown	ALCOHOL.gcm	P2021-3665-1-A_1192021_049.gcd	0
50	P2021-3665-1-B	0:Unknown	ALCOHOL.gcm	P2021-3665-1-B_1192021_050.gcd	0
51	P2021-3668-1-A	0:Unknown	ALCOHOL.gcm	P2021-3668-1-A_1192021_051.gcd	0
52	P2021-3668-1-B	0:Unknown	ALCOHOL.gcm	P2021-3668-1-B_1192021_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_1192021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_1192021_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_1192021_055.gcd	0