

**Worklist: 6236**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0137	1	BCK	Alcohol Analysis	
P2023-0139	1	BCK	Alcohol Analysis	
P2023-0148	1	BCK	Alcohol Analysis	
P2023-0156	1	BCK	Alcohol Analysis	
P2023-0165	1	BCK	Alcohol Analysis	
P2023-0166	1	BCK	Alcohol Analysis	
P2023-0179	1	BCK	Alcohol Analysis	
P2023-0180	1	BCK	Alcohol Analysis	
P2023-0181	1	BCK	Alcohol Analysis	
P2023-0183	1	BCK	Alcohol Analysis	
P2023-0203	1	BLOOD	Alcohol Analysis	
P2023-0239	1	BCK	Alcohol Analysis	
P2023-0241	1	BCK	Alcohol Analysis	
P2023-0242	1	BCK	Alcohol Analysis	
P2023-0255	1	CBUK	Alcohol Analysis	
P2023-0256	1	BCK	Alcohol Analysis	
P2023-0257	1	BCK	Alcohol Analysis	
P2023-0258	1	BCK	Alcohol Analysis	
P2023-0261	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): 2/2/23

Calibration Date: (if different)

Worksheet #: 6236

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0725 g/100cc 0.0793 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2149 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	0.99998	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0504	0.0514	0.001	0.0509
100	0.100	0.090 - 0.110	0.1001	0.1000	1E-04	0.1
200	0.200	0.180 - 0.220	0.1994	0.1986	0.0008	0.199
300	0.300	0.270 - 0.330	0.2993	0.2986	0.0007	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5011	0.0006	0.5008

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

*ERC*

### Internal Standard Monitoring Worksheet

<b>Worklist #:</b> 6236	<b>Run Date(s):</b> 2/2/23
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Internal Standard Solution:	Prep Date: 1/14/2023	Exp Date: 7/14/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	170028	176684
0.080	172017	178825
QC1	173882	181052
QC1	172337	179429
QC1	172042	179844
QC1	185244	193472
QC1		
QC1		
QC2	168878	175447
QC2	172018	178874
QC2		
QC2		
QC2		
QC2		

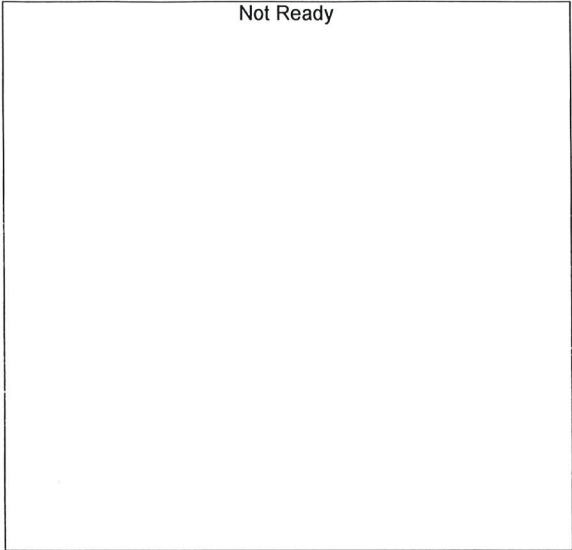
Average	(-)20%	(+ )20%
Column 1 173305.8	138644.6	207966.9
Column 2 180453.4	144362.7	216544.1

SC

# Calibration Table

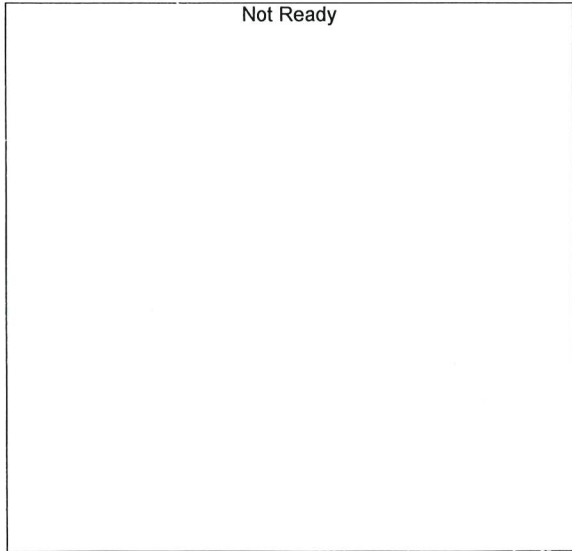
Laboratory: Pocatello  
 Instrument Name : GC2030-HS20

<<Data File>>  
 Method File :C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm  
 Batch File :C:\LabSolutions\Data\2023\2-2-23 RC\02-02-23 batch.gcb  
 Date Acquired :2/2/2023 2:45:45 PM  
 Date Created :2/2/2023 2:42:20 PM  
 Date Modified :2/3/2023 7:51:05 AM



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

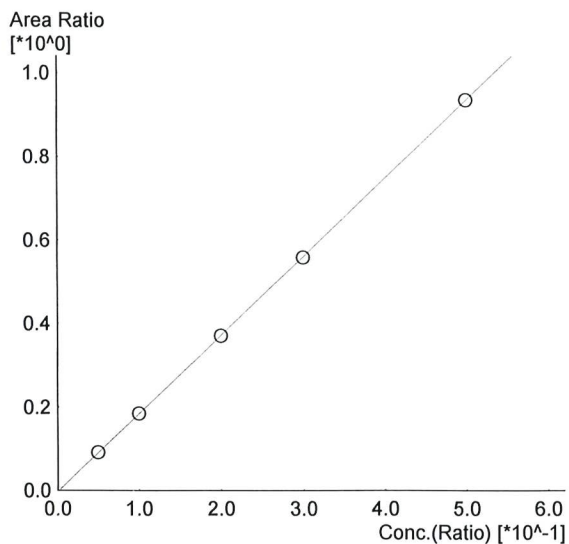
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

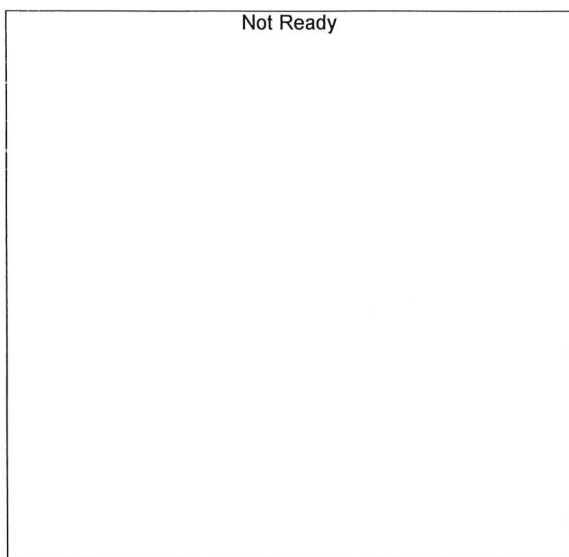
#	Conc.	Area	Std. Conc.	Data File Name
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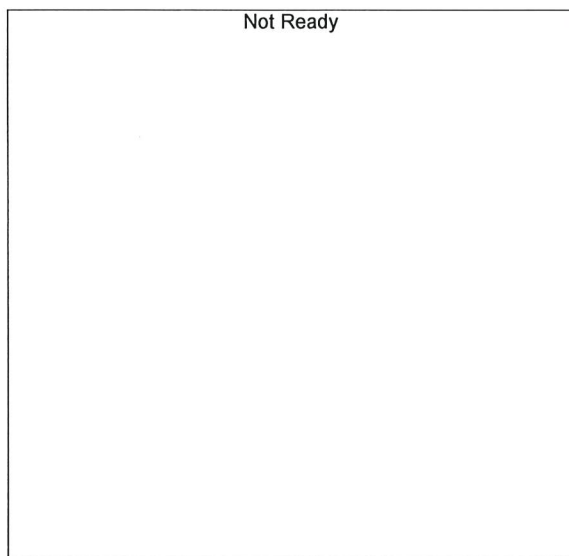
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=1.87267*x-0.00301918$   
 $R^2$  value= 0.9999899  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15553	0.0504	0.050_222023_001.gcd
2	0.100	31708	0.1001	0.100_222023_002.gcd
3	0.200	64153	0.1994	0.200_222023_003.gcd
4	0.300	96945	0.2993	0.300_222023_004.gcd
5	0.500	162977	0.5005	0.500_222023_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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*Handwritten initials 'JC'*

Not Ready

Name : DFE  
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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Not Ready

Name : TFE  
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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Not Ready

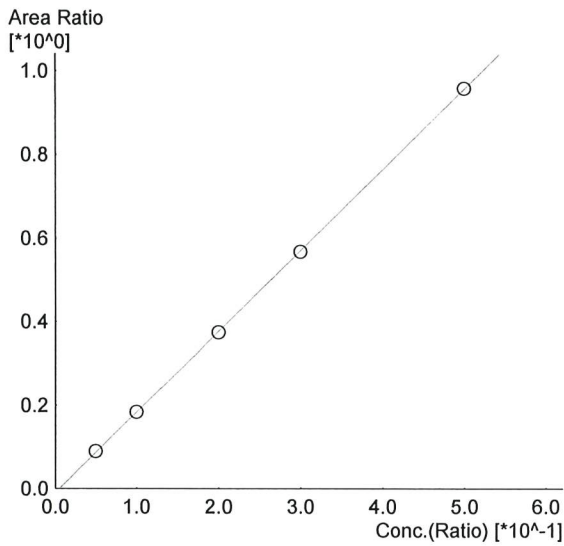
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : 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 :  $f(x)=1.93021*x-0.00940945$   
 R<sup>2</sup> value= 0.9999449  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15782	0.0514	0.050_222023_001.gcd
2	0.100	32781	0.1000	0.100_222023_002.gcd
3	0.200	67249	0.1986	0.200_222023_003.gcd
4	0.300	102322	0.2986	0.300_222023_004.gcd
5	0.500	173270	0.5011	0.500_222023_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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*Handwritten signature/initials*

Not Ready

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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Not Ready

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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Not Ready

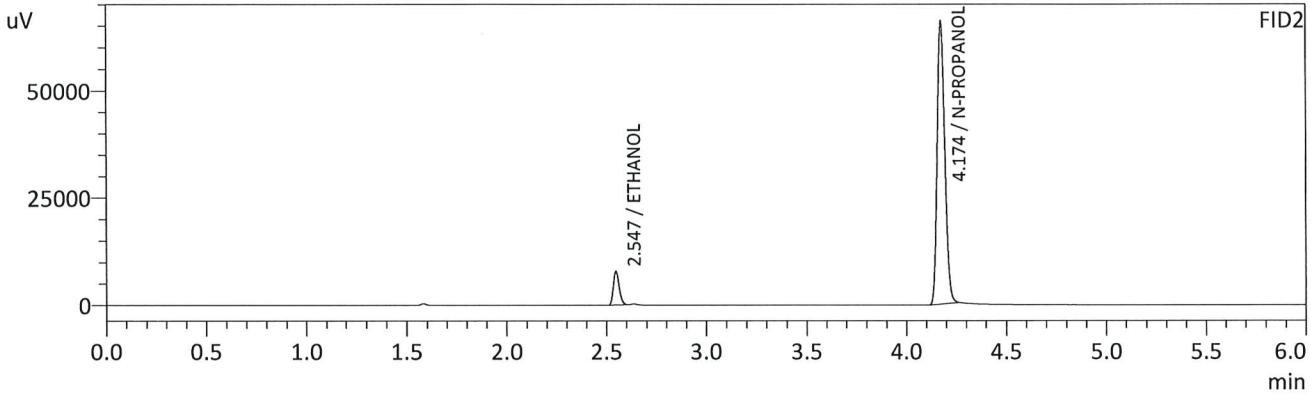
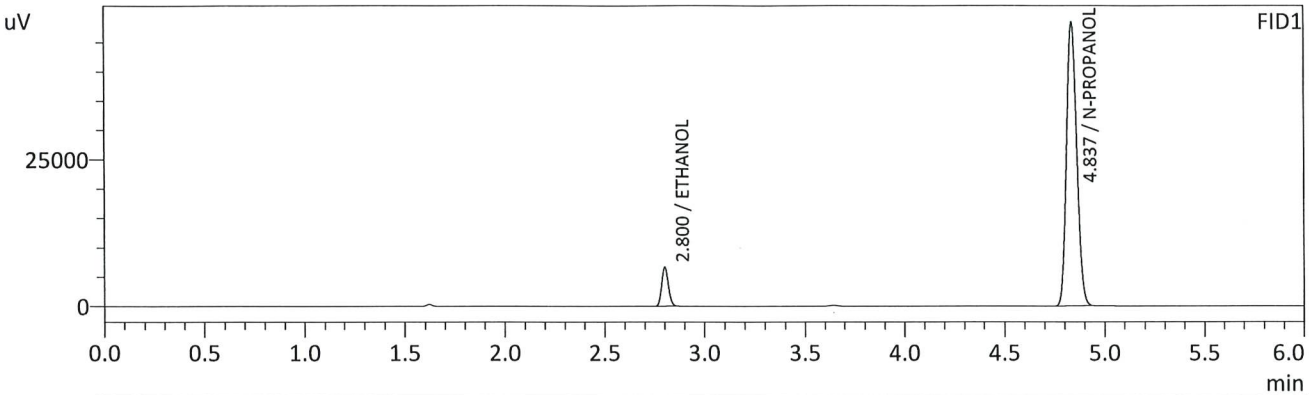
Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_222023\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:07:39 PM  
 Date Processed : 2/3/2023 7:50:57 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

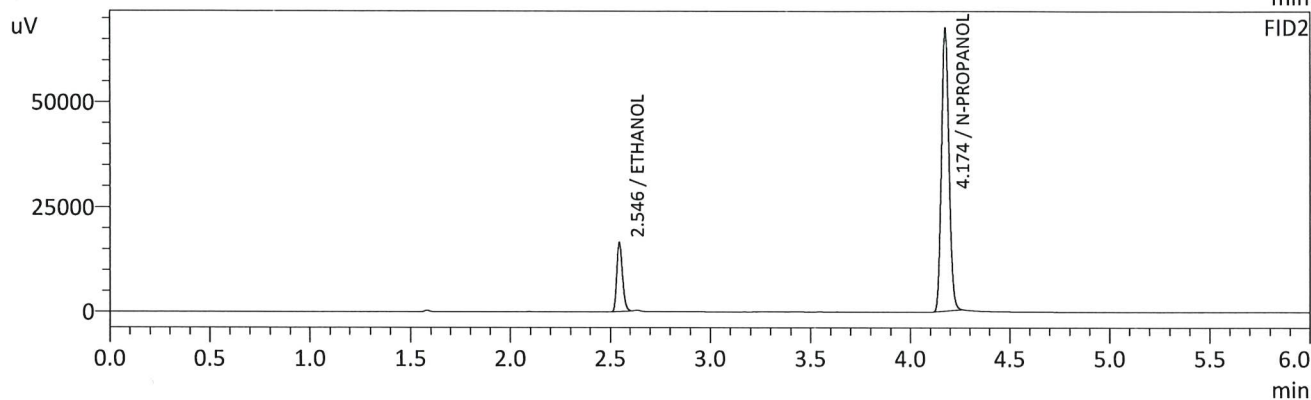
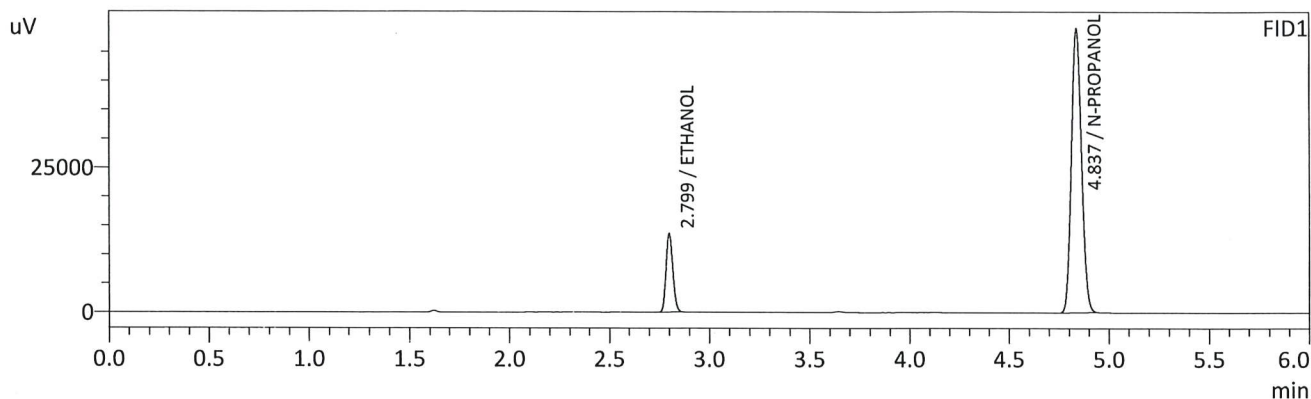
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15553	6590
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169917	48321
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	15782	7831
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175636	65785
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*yc*

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_222023\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:17:08 PM  
 Date Processed : 2/3/2023 7:50:59 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

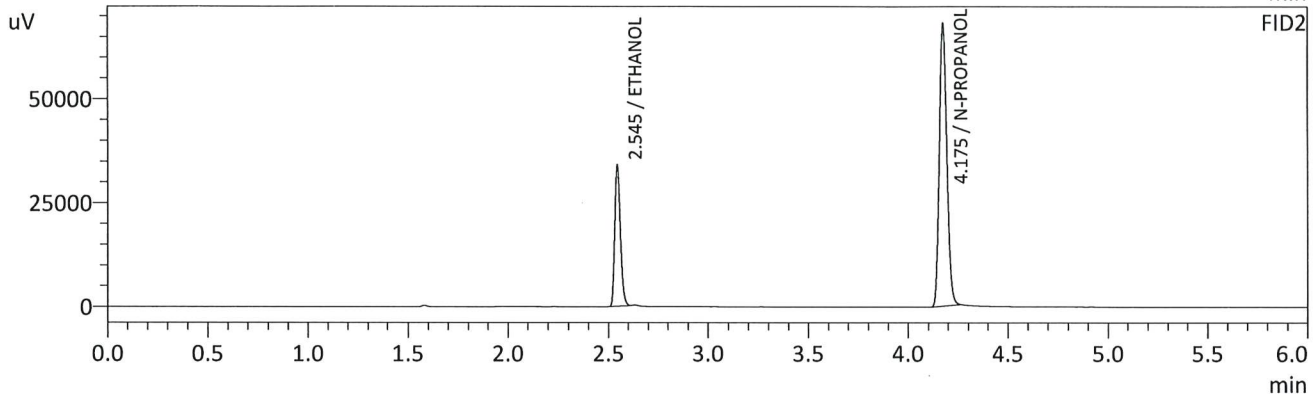
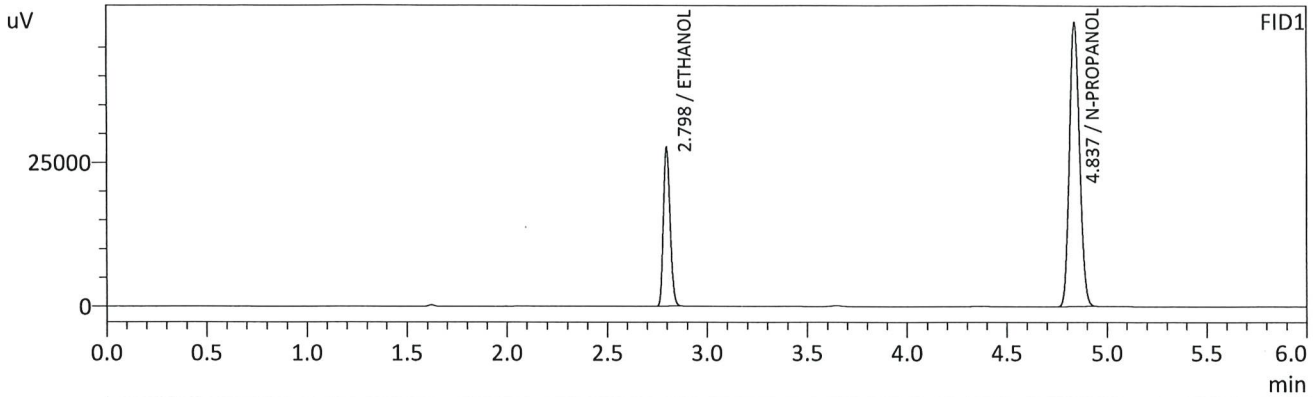
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	31708	13580
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171760	49081
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	32781	16461
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178419	67482
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*rc*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_222023\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:26:29 PM  
 Date Processed : 2/3/2023 7:51:01 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

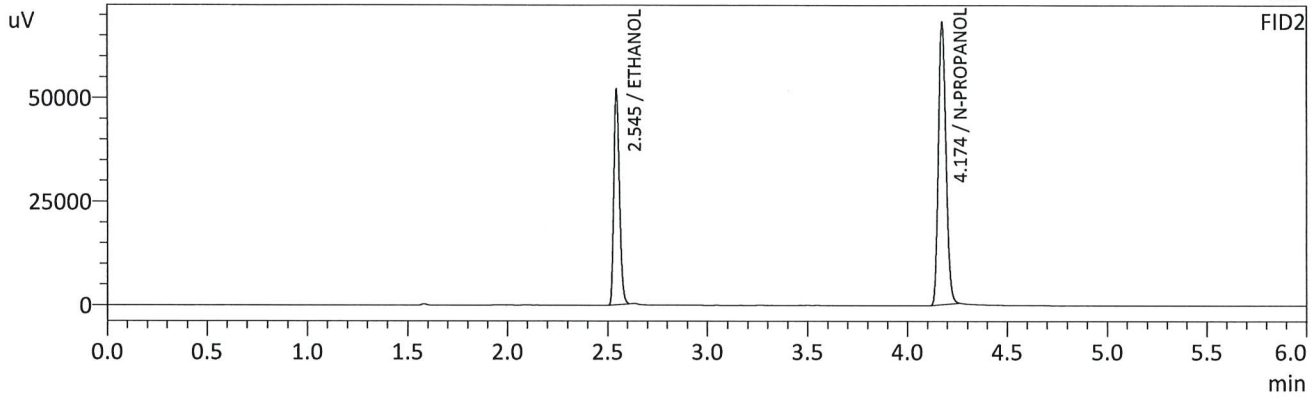
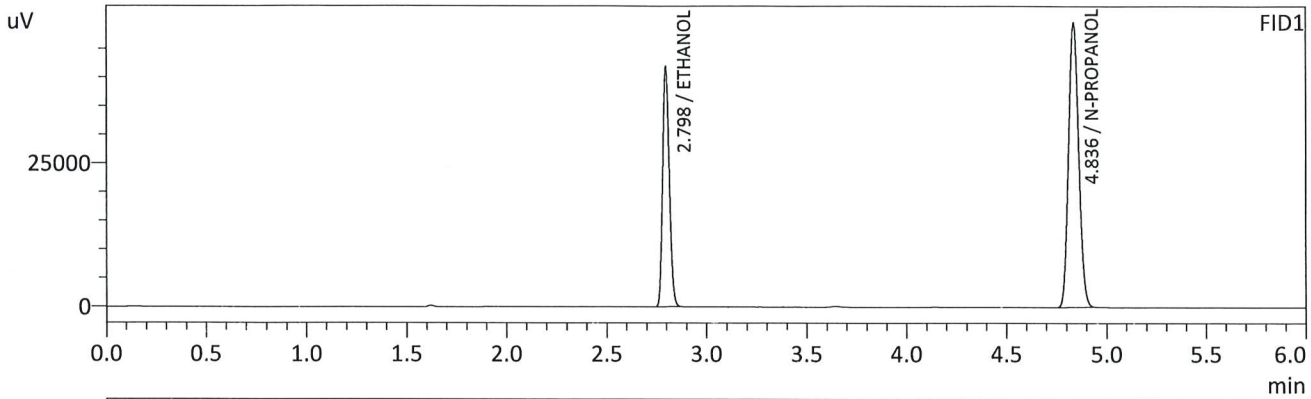
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1994	g/100cc	64153	27571
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173155	49401
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	67249	33885
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179759	67997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_222023\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:36:12 PM  
 Date Processed : 2/3/2023 7:51:03 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	96945	41768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173882	49530
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

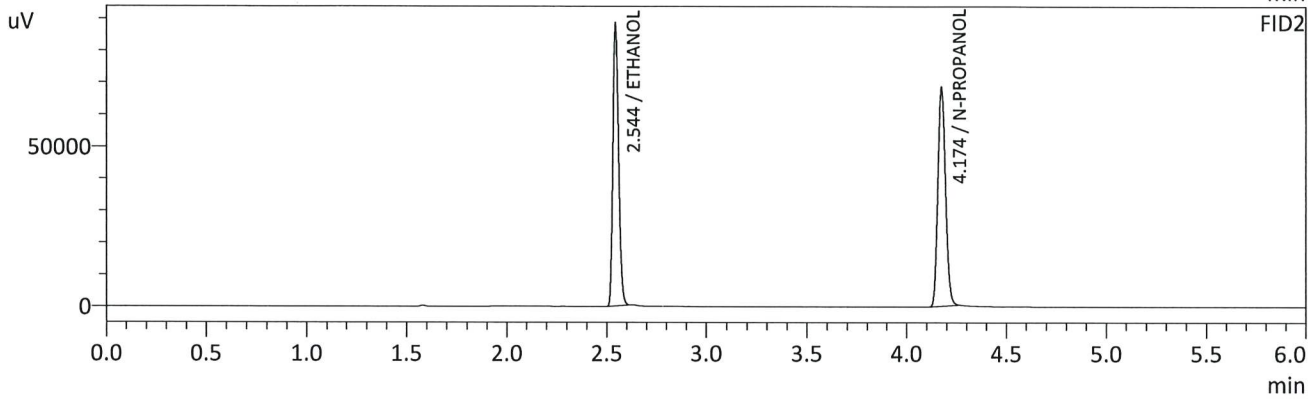
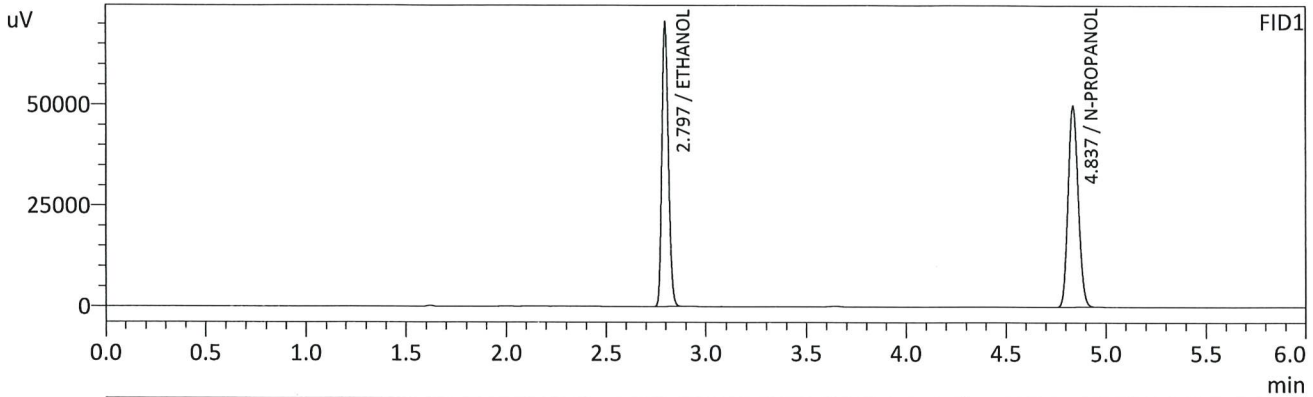
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2986	g/100cc	102322	51555
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180460	67997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature*



Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_222023\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:45:45 PM  
 Date Processed : 2/3/2023 7:51:05 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

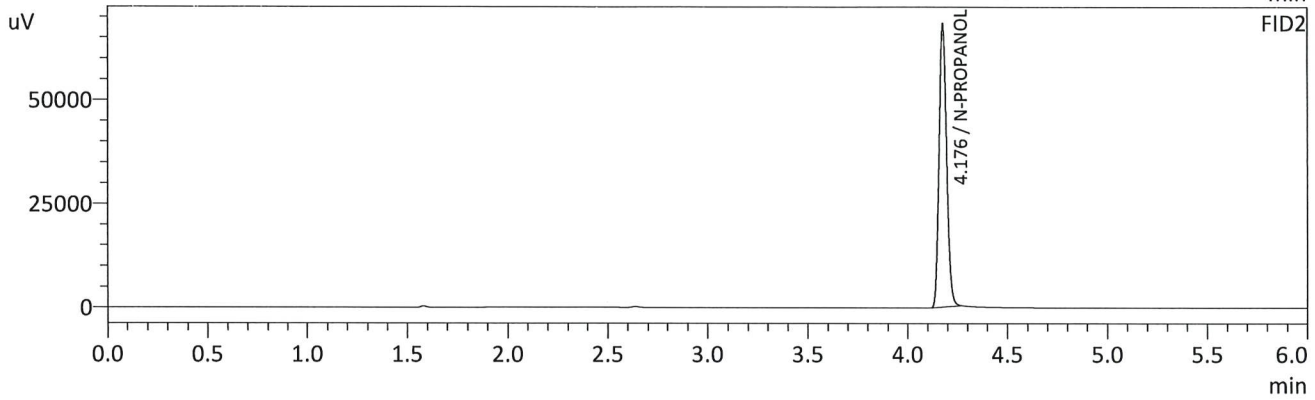
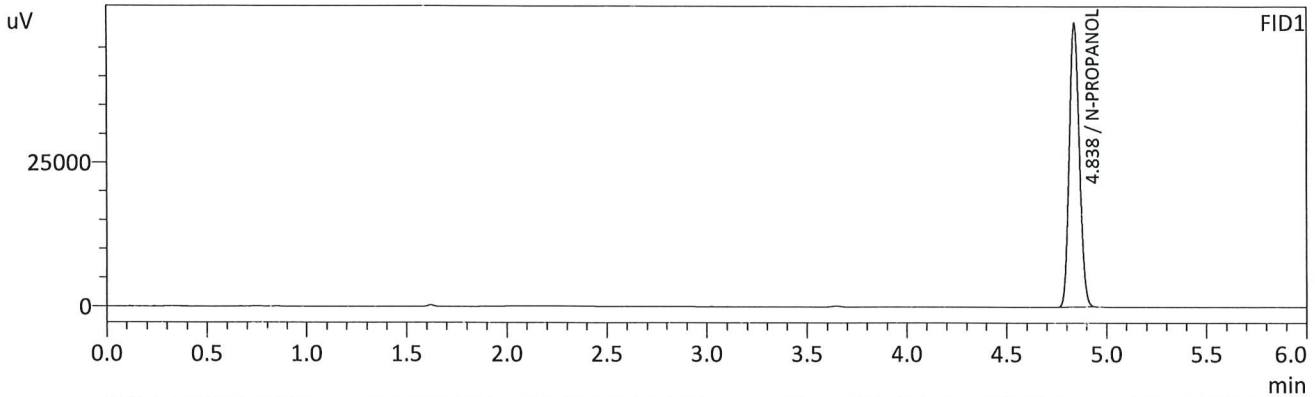
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5005	g/100cc	162977	70238
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174436	49794
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	173270	87584
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180867	68314
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_222023\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 2:55:05 PM  
 Date Processed : 2/3/2023 7:51:08 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

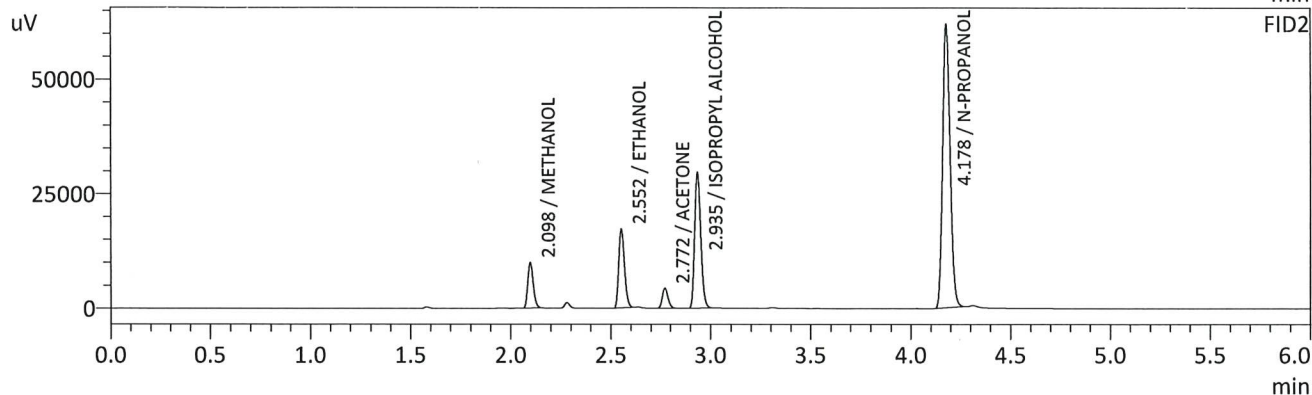
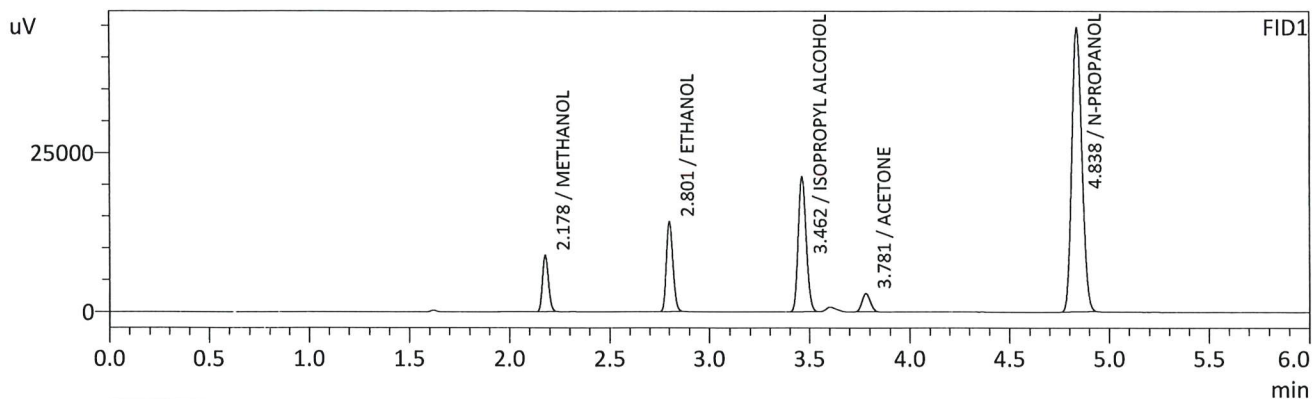
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172686	49385
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	180051	67932
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_222023\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:04:49 PM  
 Date Processed : 2/3/2023 7:51:09 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

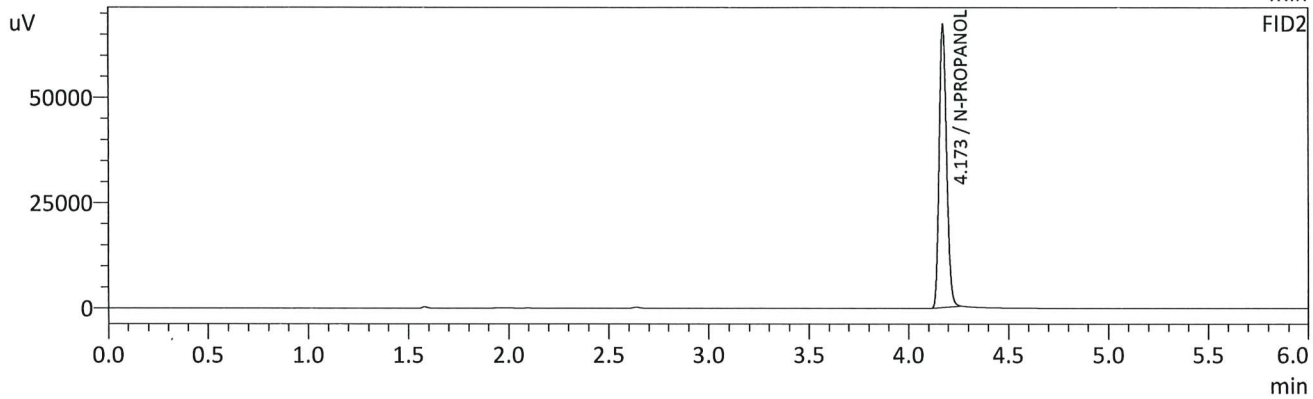
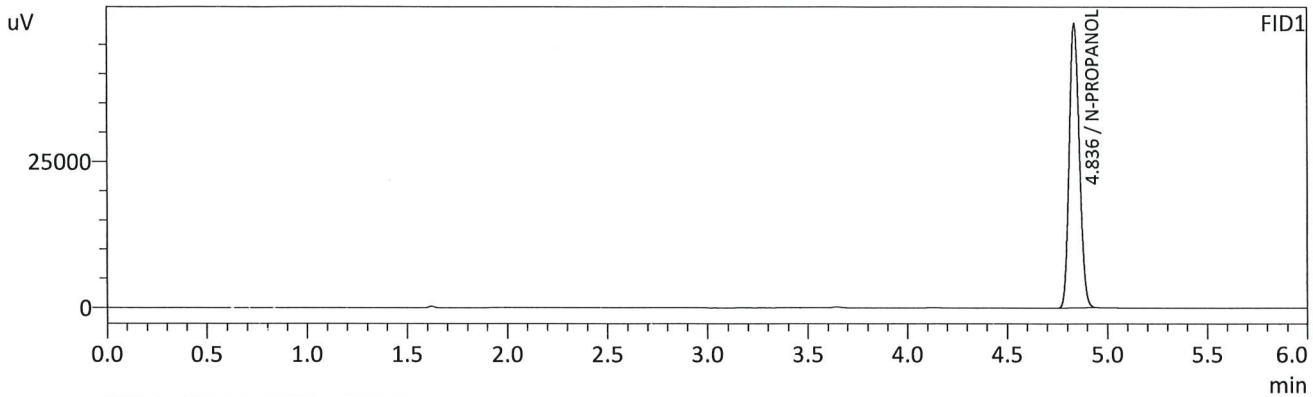
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	18094	8771
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1134	g/100cc	32863	13953
ISOPROPYL ALCOHOL	0.0000	g/100cc	59203	21102
ACETONE	0.0000	g/100cc	8018	2829
N-PROPANOL	0.0000	g/100cc	156903	44601
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18846	9933
ETHANOL	0.1141	g/100cc	34351	17117
ACETONE	0.0000	g/100cc	8759	4305
ISOPROPYL ALCOHOL	0.0000	g/100cc	62622	29278
N-PROPANOL	0.0000	g/100cc	162783	61636
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_222023\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:14:21 PM  
 Date Processed : 2/3/2023 7:51:11 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\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	170880	48492
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	177824	66784
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC1-1

Item #

Analysis Date(s): 2/2/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0723	0.0726	0.0003	0.0724	0.0001	0.0725
(g/100cc)	0.0723	0.0728	0.0005	0.0725		

**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
0.072	0.068	0.076	0.004

	<b>Reported Result</b>	<b>Notes:</b>
	0.072	

*Calibration and control data are stored centrally.*

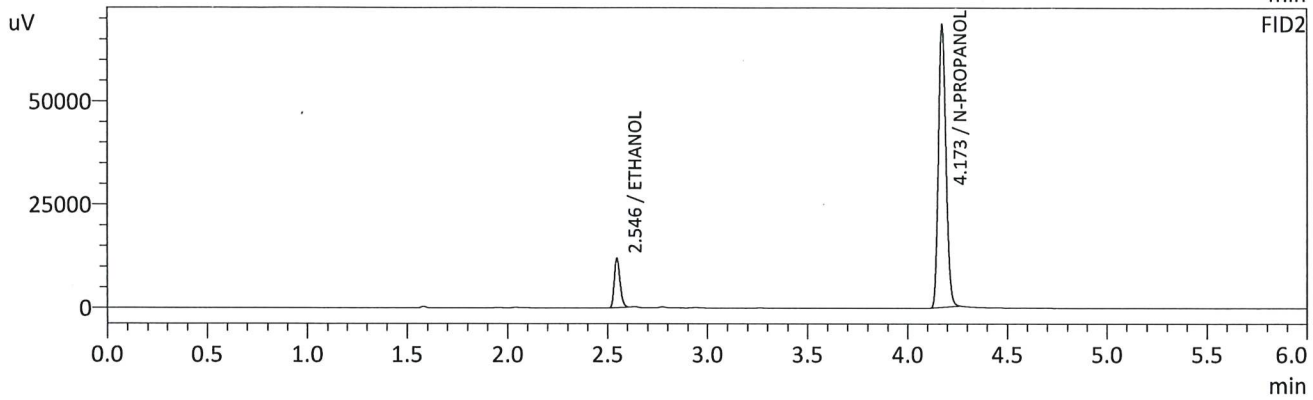
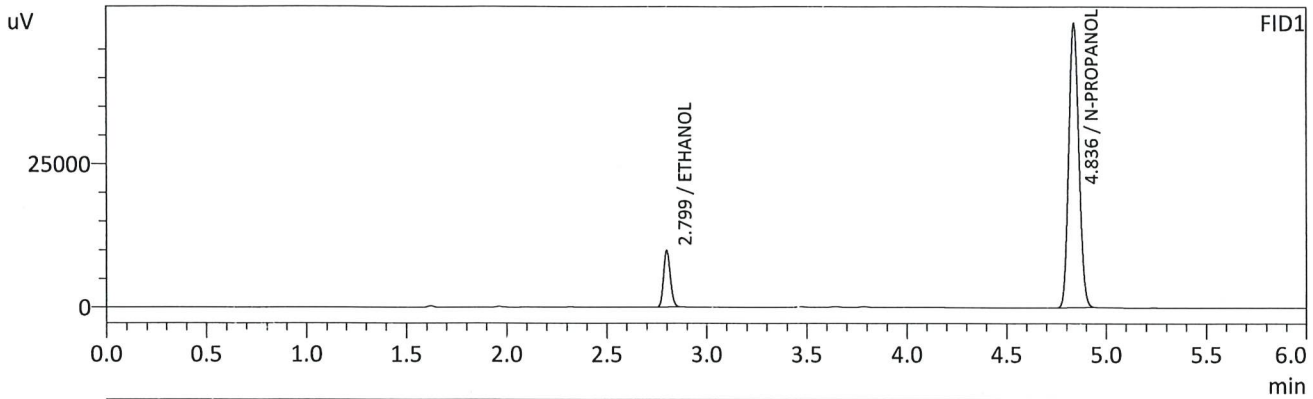


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC1-1-A  
 Vial # : 9  
 Data Filename : QC1-1-A\_222023\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:23:39 PM  
 Date Processed : 2/3/2023 7:51:13 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

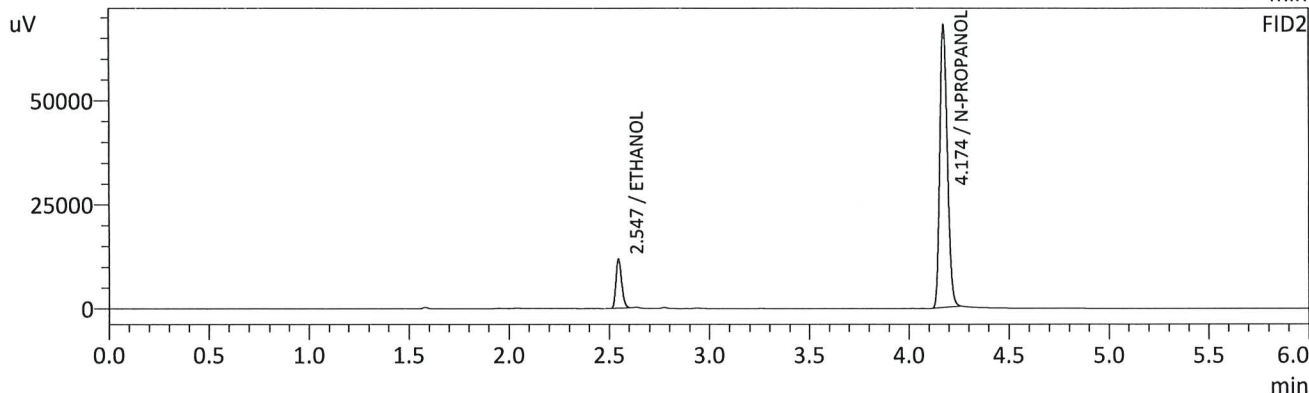
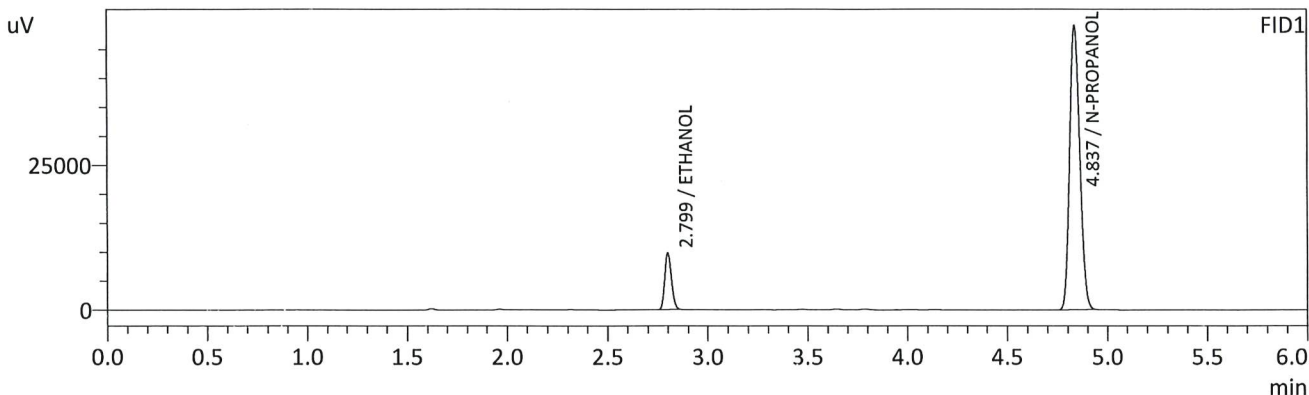
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0723	g/100cc	23025	9862
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173882	49505
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0726	g/100cc	23701	11858
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181052	68094
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten initials 'JC' in blue ink.

Sample Name : QC1-1-B  
 Vial # : 10  
 Data Filename : QC1-1-B\_222023\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:33:24 PM  
 Date Processed : 2/3/2023 7:51:14 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0723	g/100cc	22843	9768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172337	49015
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

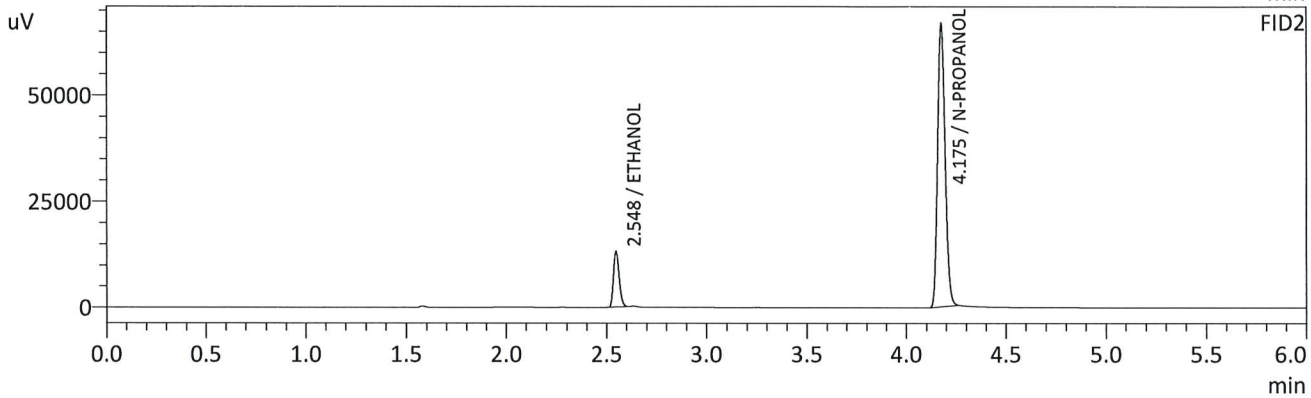
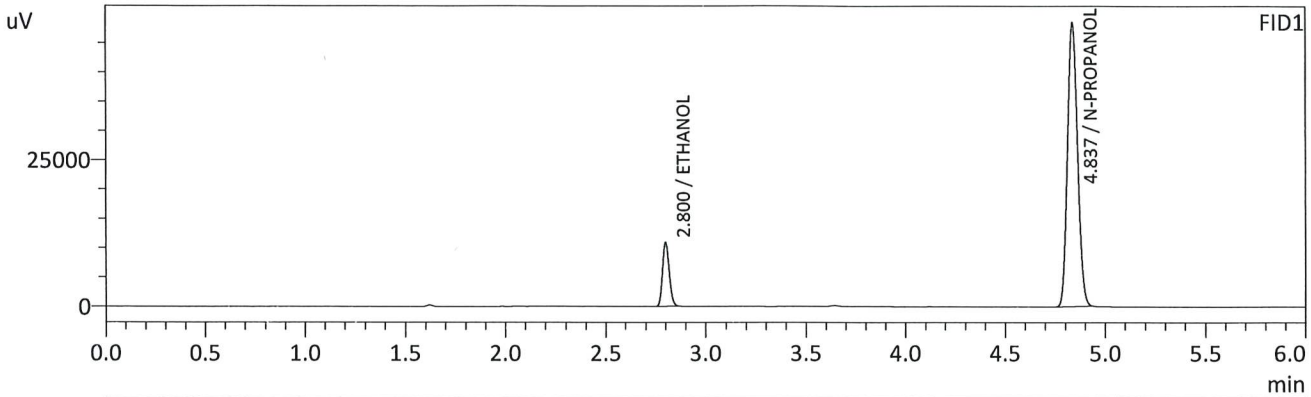
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	23538	11776
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179429	67855
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*rc*





Sample Name : 0.08 QA - A  
 Vial # : 11  
 Data Filename : 0.08 QA - A\_222023\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:42:55 PM  
 Date Processed : 2/3/2023 7:51:15 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

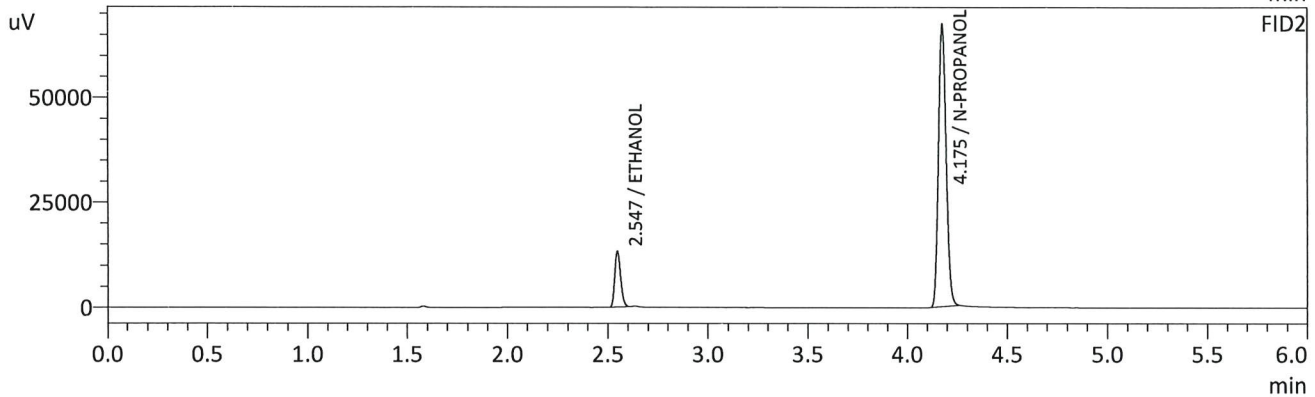
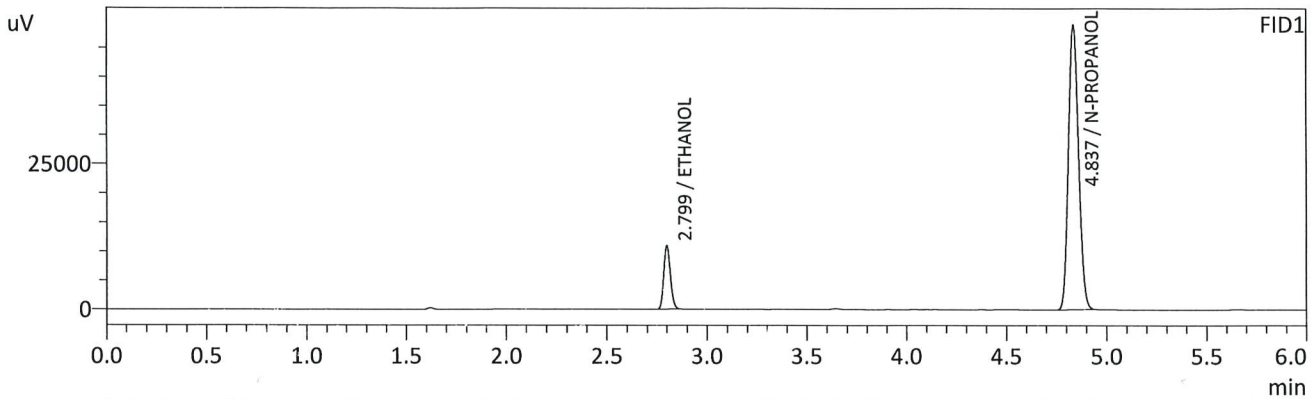
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	25473	10837
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170028	48410
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	26276	13055
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176684	66728
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_222023\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 3:52:13 PM  
 Date Processed : 2/3/2023 7:51:17 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25633	10918
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172017	48946
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	26474	13208
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178825	67365
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC2-1

Item #

Analysis Date(s): 2/2/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2140	0.2145	0.0005	0.2142	0.0014	0.2149
(g/100cc)	0.2154	0.2158	0.0004	0.2156		

**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

	Reported Result	
	0.214	Notes: DFE POS RC 2/3/23

*Calibration and control data are stored centrally.*

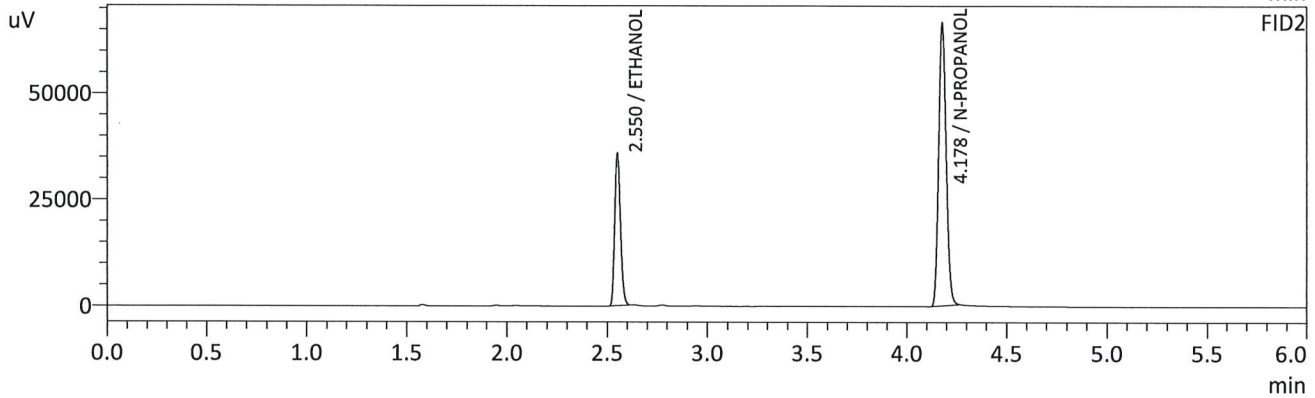
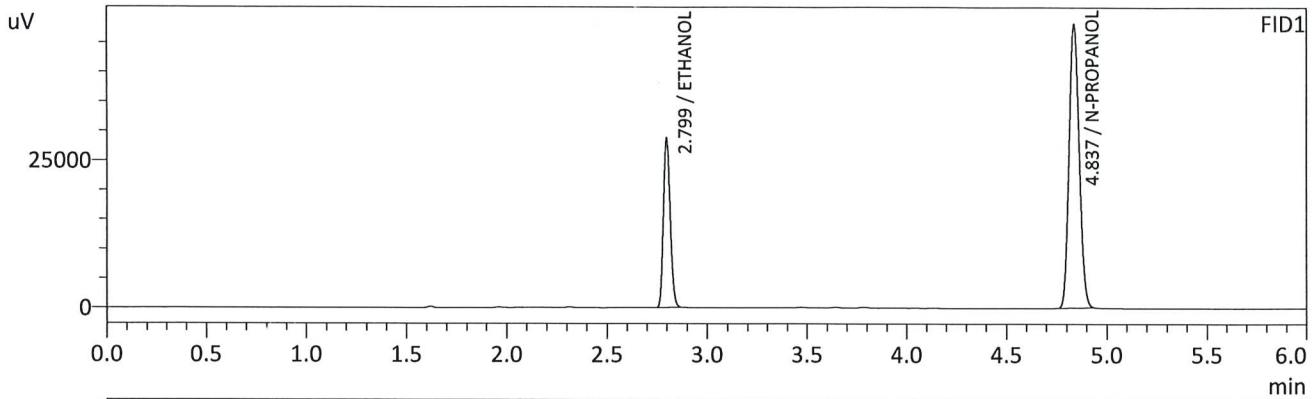


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC2-1-A  
 Vial # : 31  
 Data Filename : QC2-1-A\_222023\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 6:53:18 PM  
 Date Processed : 2/3/2023 7:51:40 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

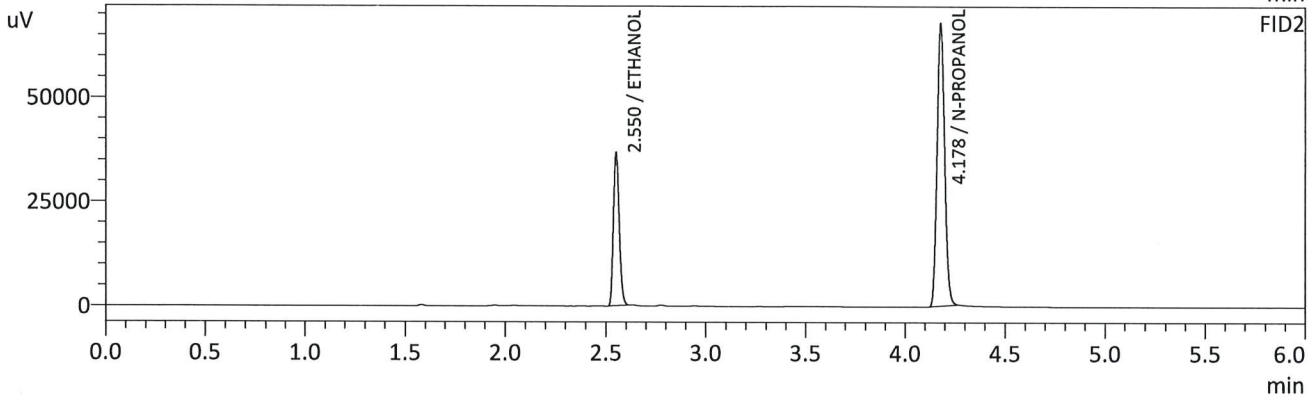
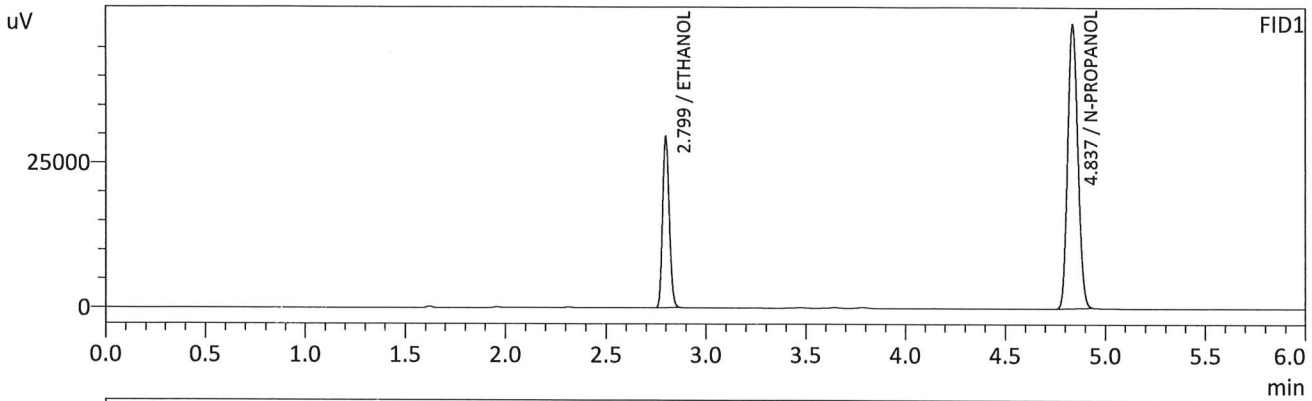
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2140	g/100cc	67197	28716
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168878	48159
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2145	g/100cc	70992	35664
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175447	66324
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC2-1-B  
 Vial # : 32  
 Data Filename : QC2-1-B\_222023\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 7:02:50 PM  
 Date Processed : 2/3/2023 7:51:41 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2154	g/100cc	68870	29509
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172018	49149
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2158	g/100cc	72839	36618
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178874	67471
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC1-2

Item #

Analysis Date(s): 2/2/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0793	0.0799	0.0006	0.0796	0.0006	0.0793
(g/100cc)	0.0786	0.0794	0.0008	0.0790		

**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	Notes: <del>DFE-POS</del>
0.079	 JPC 2/3/23

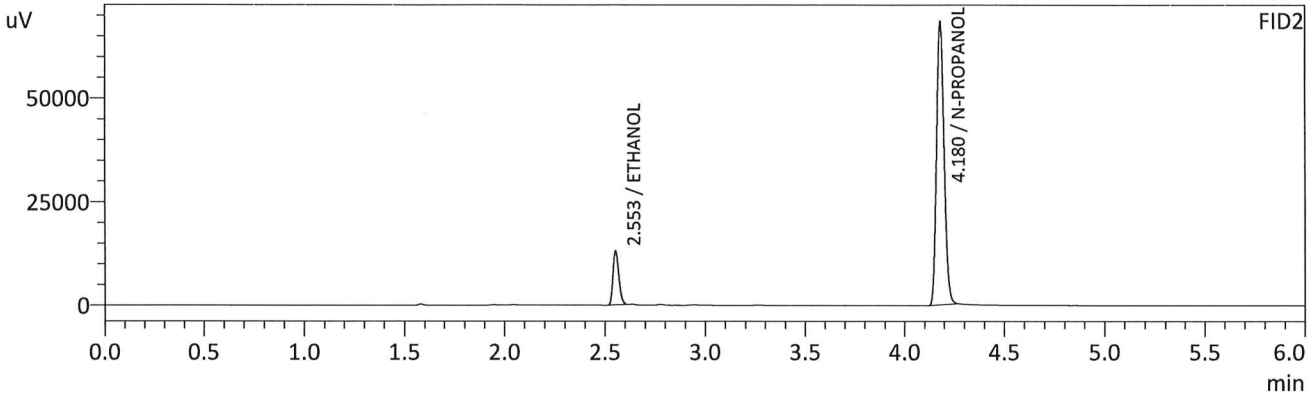
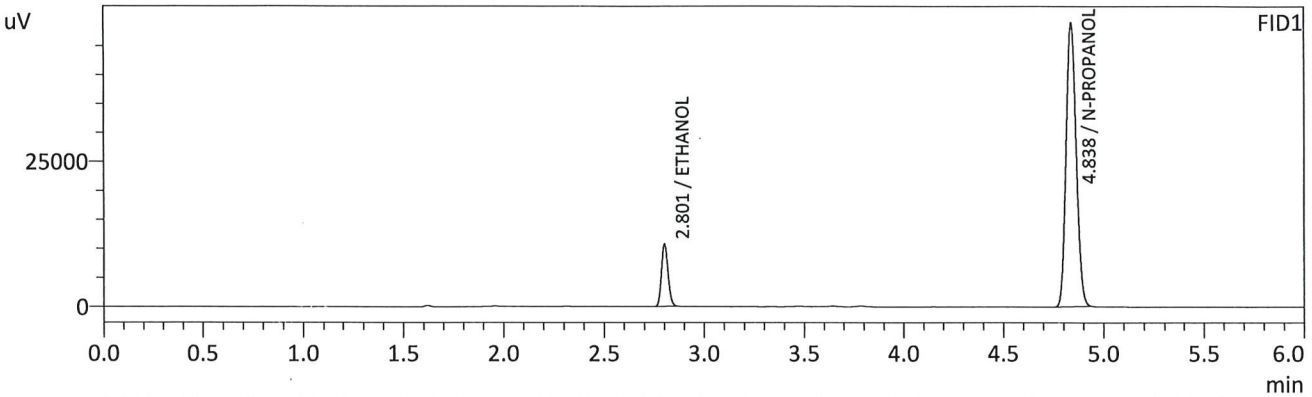
*Calibration and control data are stored centrally.*

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC1-2-A  
 Vial # : 53  
 Data Filename : QC1-2-A\_222023\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 10:22:43 PM  
 Date Processed : 2/3/2023 7:52:07 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

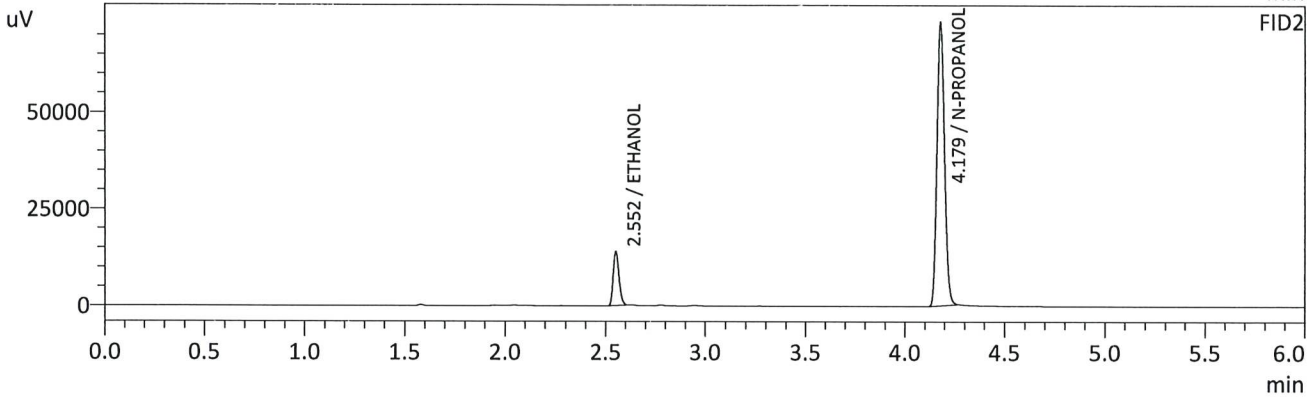
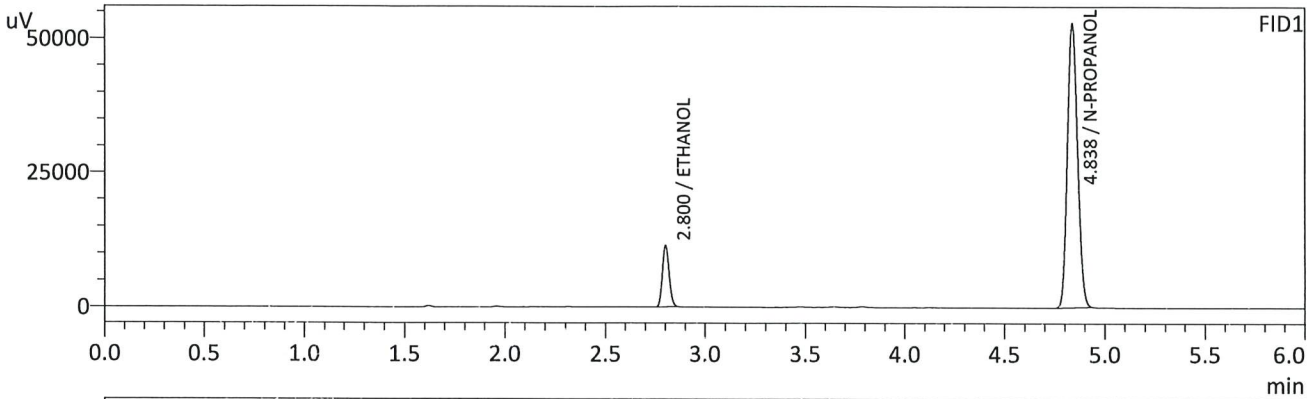
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	25058	10592
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172042	48933
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	26048	12876
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179844	68247
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : QC1-2-B  
 Vial # : 54  
 Data Filename : QC1-2-B\_222023\_054.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 10:32:00 PM  
 Date Processed : 2/3/2023 7:52:08 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

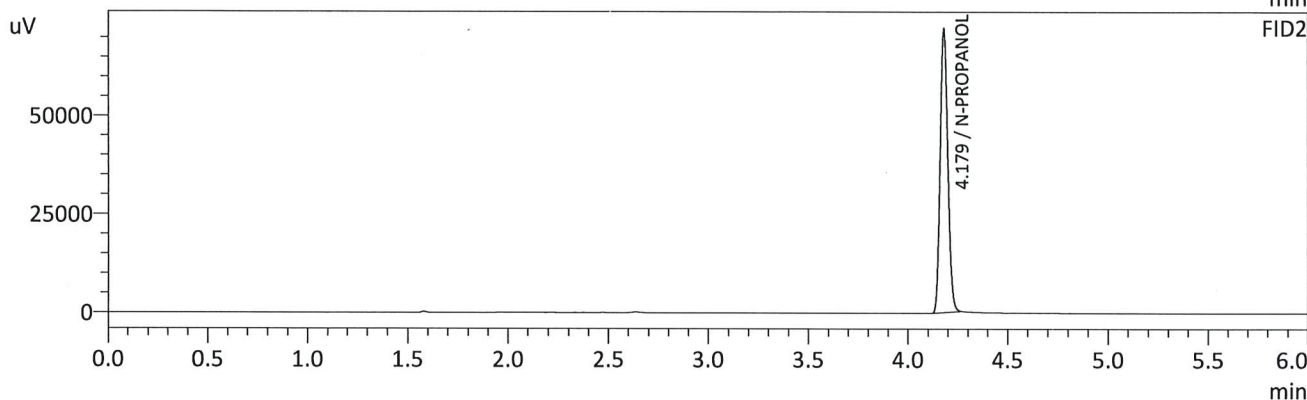
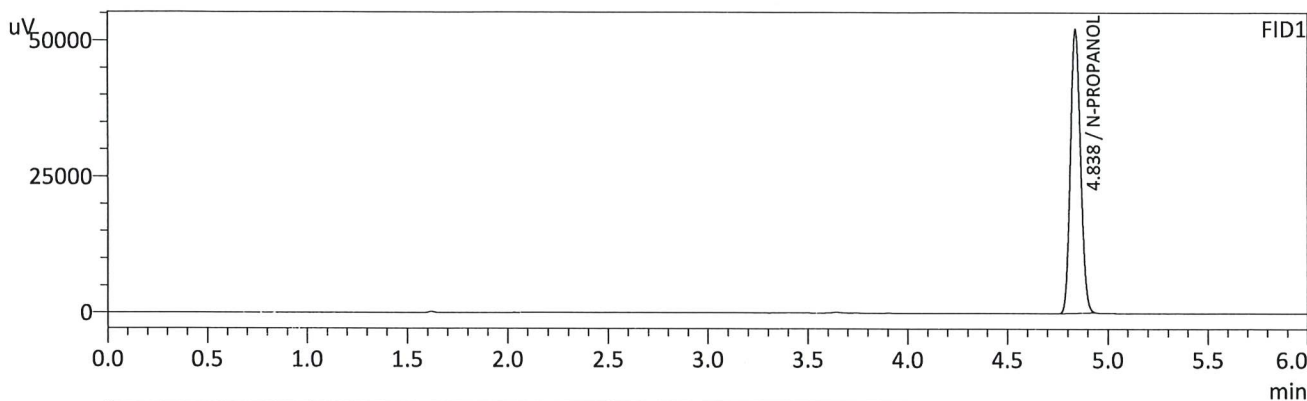
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0786	g/100cc	26708	11278
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185244	52854
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0794	g/100cc	27834	13854
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193472	73261
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 3  
 Vial # : 55  
 Data Filename : INT STD BLK 3\_222023\_055.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 02-02-23 batch.gcb  
 Date Acquired : 2/2/2023 10:41:50 PM  
 Date Processed : 2/3/2023 7:52:09 AM  
 C:\LabSolutions\Data\2023\2-2-23 RC\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	182037	52141
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	190257	72152
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



# 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		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2023-0137-1-A	0:Unknown	ALCOHOL.gcm		0
14	P2023-0137-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2023-0139-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2023-0139-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2023-0148-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2023-0148-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2023-0156-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2023-0156-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2023-0165-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2023-0165-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2023-0166-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2023-0166-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2023-0179-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2023-0179-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2023-0180-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2023-0180-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2023-0181-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2023-0181-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2023-0183-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2023-0183-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2023-0203-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2023-0203-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2023-0239-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2023-0239-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2023-0241-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2023-0241-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2023-0242-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2023-0242-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2023-0255-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2023-0255-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2023-0256-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2023-0256-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2023-0257-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2023-0257-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2023-0258-1-A	0:Unknown	ALCOHOL.gcm		0
50	P2023-0258-1-B	0:Unknown	ALCOHOL.gcm		0
51	P2023-0261-1-A	0:Unknown	ALCOHOL.gcm		0
52	P2023-0261-1-B	0:Unknown	ALCOHOL.gcm		0



Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0