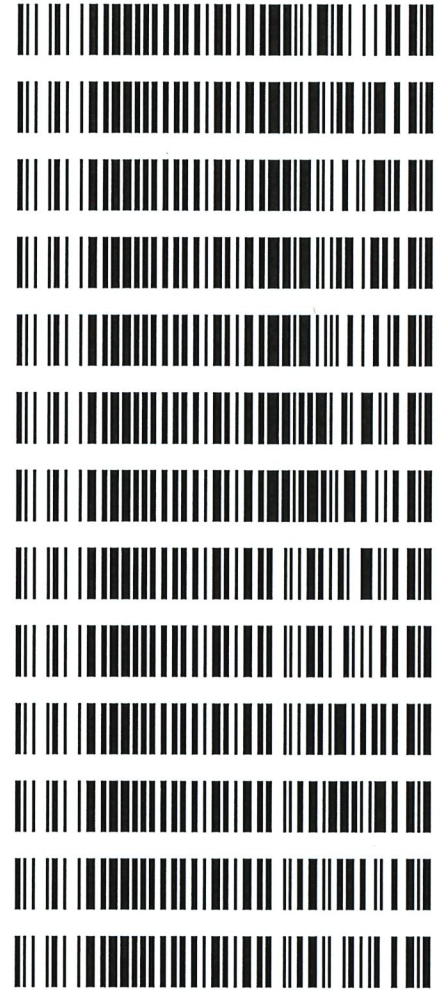


**Worklist: 6107**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-2888	1	BCK	Alcohol Analysis
P2022-2893	1	BCK	Alcohol Analysis
P2022-2916	1	BCK	Alcohol Analysis
P2022-2917	1	BCK	Alcohol Analysis
P2022-2925	1	BCK	Alcohol Analysis
P2022-2934	1	BCK	Alcohol Analysis
P2022-2937	1	BCK	Alcohol Analysis
P2022-2943	1	BCK	Alcohol Analysis
P2022-2944	1	BCK	Alcohol Analysis
P2022-2946	1	BCK	Alcohol Analysis
P2022-2952	1	BCK	Alcohol Analysis
P2022-2954	1	BCK	Alcohol Analysis
P2022-2955	1	BCK	Alcohol Analysis



**REVIEWED**

*By Jeremy Johnston at 9:32 am, Sep 26, 2022*

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): 9/22/22

Calibration Date: (if different) 9/20/22

Worklist #: 6107

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0744 g/100cc
					0.0806 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2183 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	Column 1	Column 2	0.99992

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	0.0515	0.0011	0.0509
100	0.100	0.090 - 0.110	0.1003	0.1001	0.0002	0.1002
200	0.200	0.180 - 0.220	0.1995	0.1986	0.0009	0.199
300	0.300	0.270 - 0.330	0.2989	0.2983	0.0006	0.2986
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5006	0.5013	0.0007	0.5009

Aqueous Controls

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

25

**Internal Standard Monitoring Worksheet**

Worklist #: 6107 Run Date(s): 9/22/22

23

Internal Standard Solution: Prep Date: 9/20/2022 Exp Date: 3/20/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	158202	166020
0.080	157855	165807
QC1	159926	167924
QC1	159450	167428
QC1	157843	165525
QC1	159656	167376
QC1		
QC1		
QC2	158281	165421
QC2	156242	163449
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	158431.9	126745.5	190118.3
Column 2	166118.8	132895.0	199342.5

=====  
Calibration Table  
=====

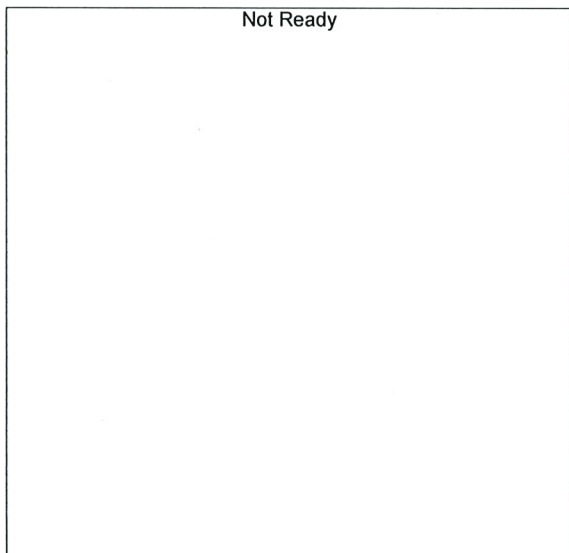
Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Method File>>  
Method File :C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm  
Date Created :2/3/2022 1:34:42 PM  
Date Modified :9/20/2022 3:02:59 PM



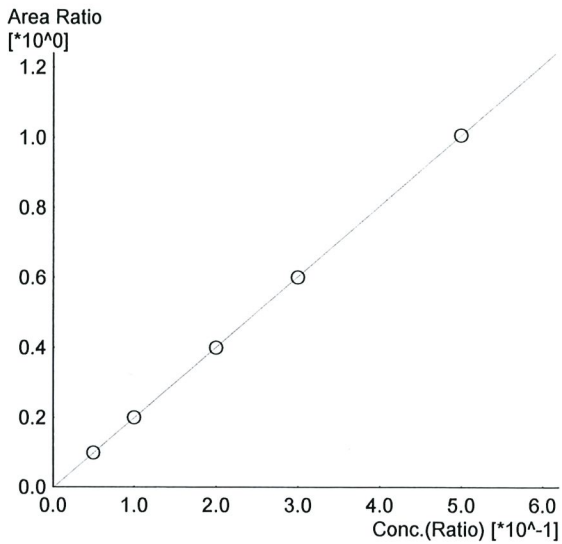
Name : METHANOL  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



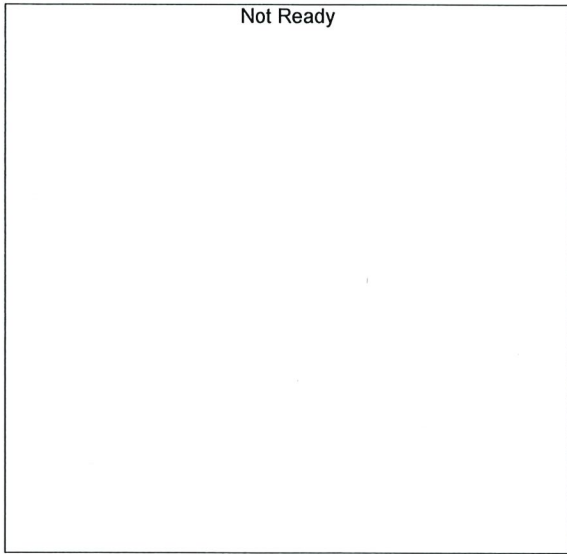
Name : ACETALDEHYDE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



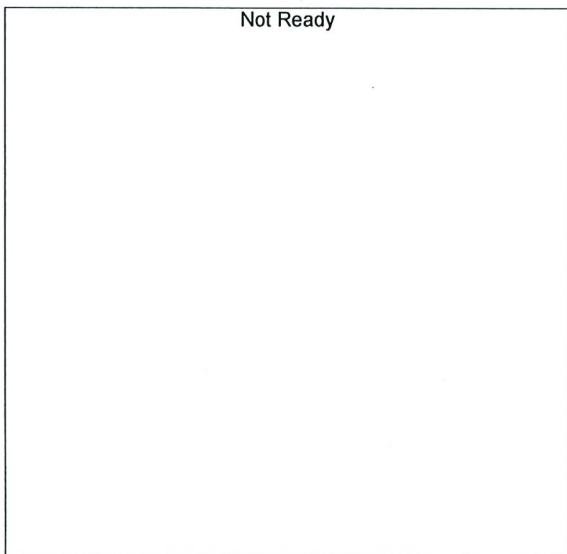
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.01415*x-0.00237430$   
 R<sup>2</sup> value= 0.999841  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15724	0.0504	0.050_9202022_001.gcd
2	0.100	31964	0.1003	0.100_9202022_002.gcd
3	0.200	64606	0.1995	0.200_9202022_003.gcd
4	0.300	97435	0.2989	0.300_9202022_004.gcd
5	0.500	163257	0.5006	0.500_9202022_005.gcd



Name : ISOPROPYL ALCOHOL  
 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
---	-------	------	------------	----------------



Name : ACETONE  
 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
---	-------	------	------------	----------------

*Handwritten signature/initials*

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
---	-------	------	------------	----------------

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
---	-------	------	------------	----------------

Not Ready

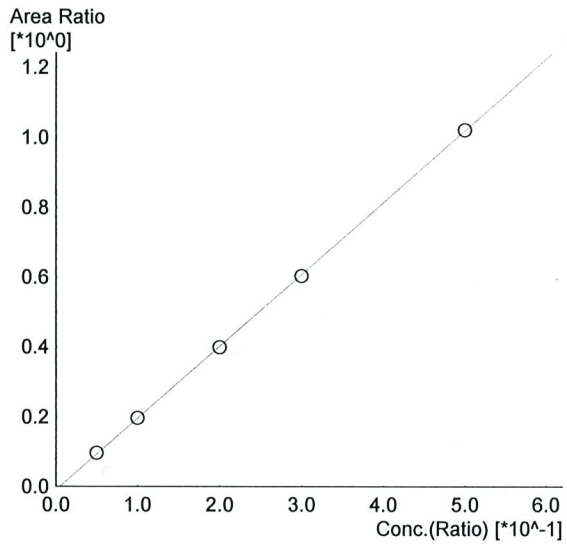
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



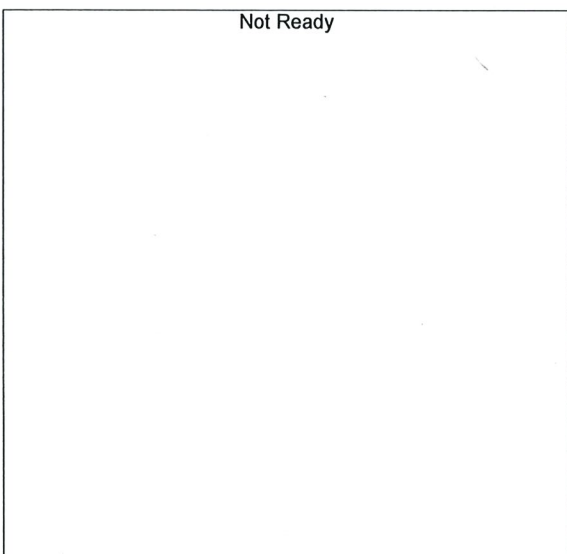
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.05560*x-0.00975710$   
 R<sup>2</sup> value= 0.9999298  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15951	0.0515	0.050_9202022_001.gcd
2	0.100	32964	0.1001	0.100_9202022_002.gcd
3	0.200	67642	0.1986	0.200_9202022_003.gcd
4	0.300	102793	0.2983	0.300_9202022_004.gcd
5	0.500	173575	0.5013	0.500_9202022_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
---	-------	------	------------	----------------

JFC

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
---	-------	------	------------	----------------

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
---	-------	------	------------	----------------

Not Ready

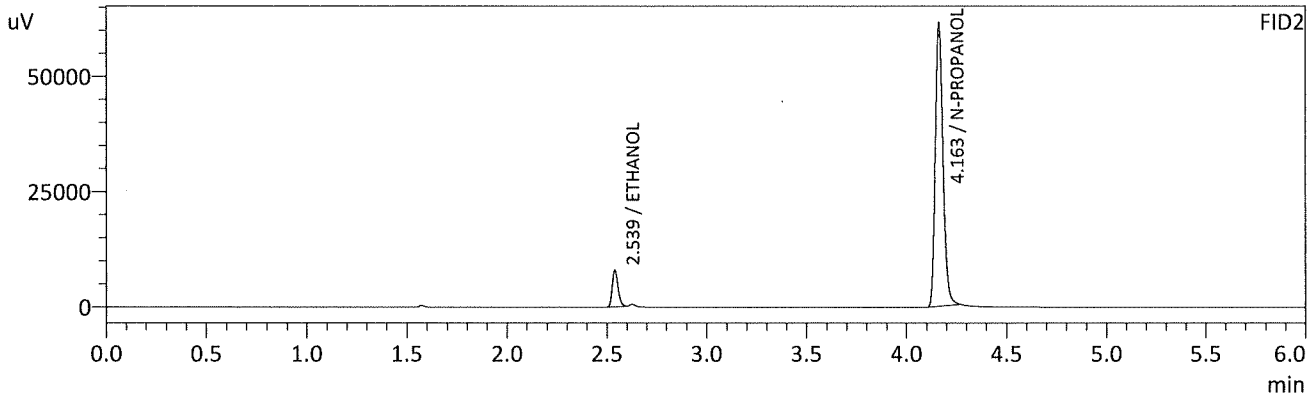
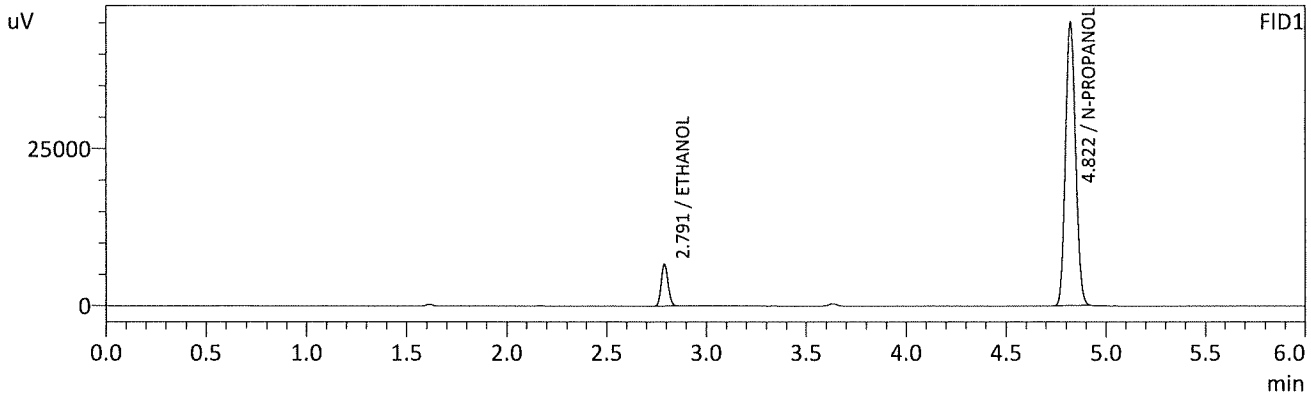
Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

ARC



Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_9202022\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 POST RUN CURVE.gcb  
 Date Acquired : 9/20/2022 1:03:54 PM  
 Date Processed : 9/20/2022 3:02:54 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

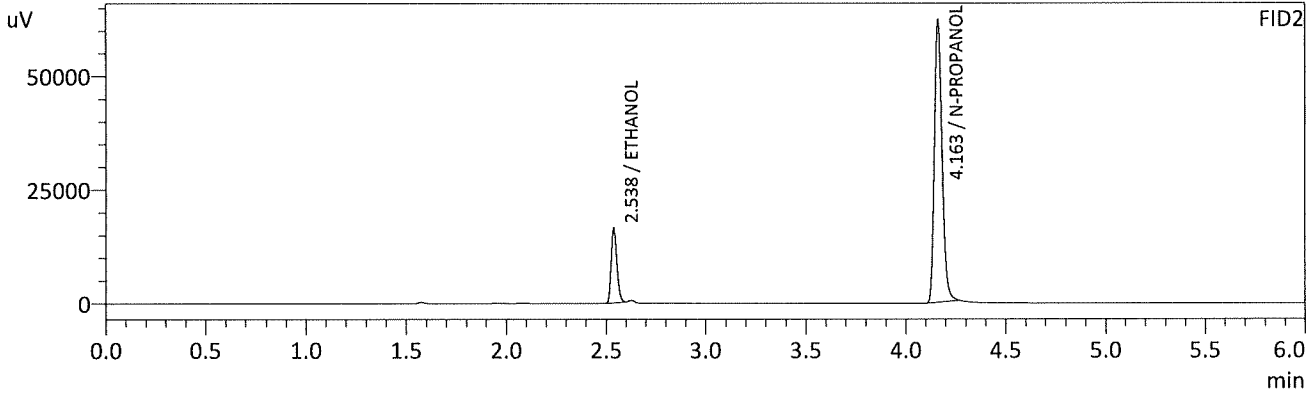
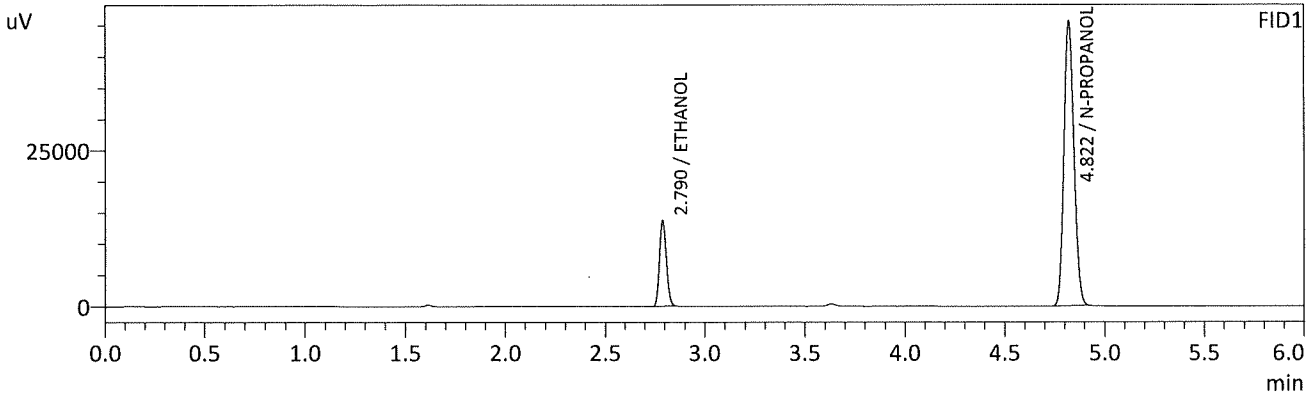
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15724	6644
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158530	45012
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0515	g/100cc	15951	7788
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165931	61019
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_9202022\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 POST RUN CURVE.gcb  
 Date Acquired : 9/20/2022 1:13:24 PM  
 Date Processed : 9/20/2022 3:02:55 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

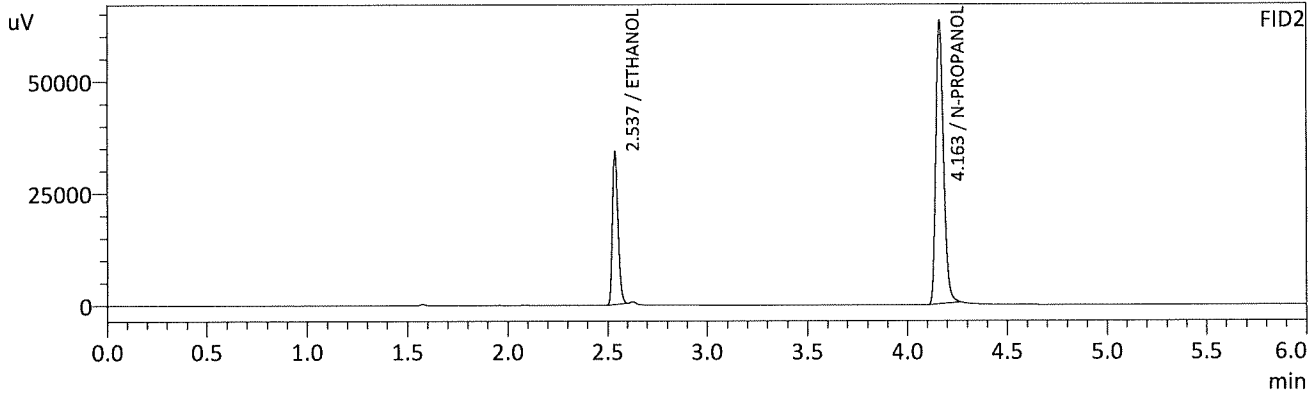
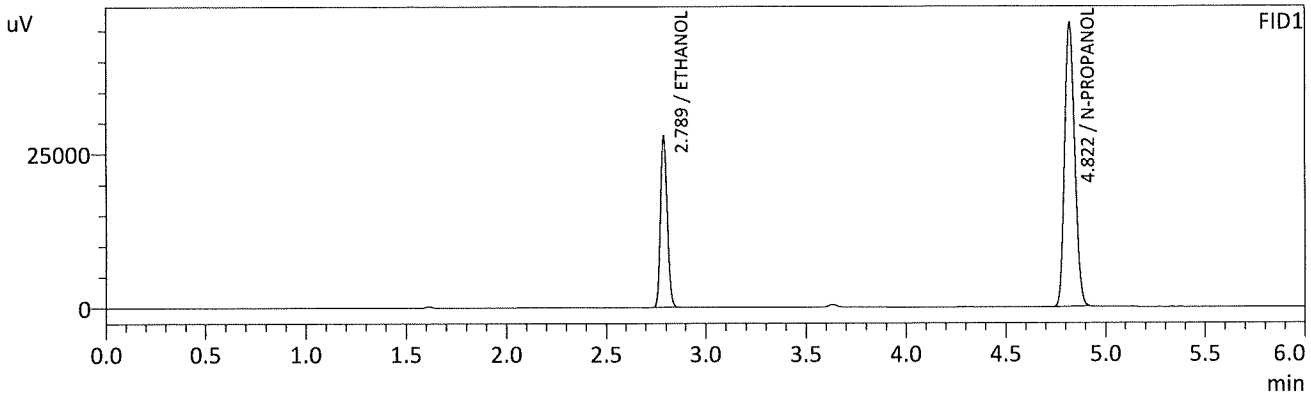
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	31964	13688
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159963	45526
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	32964	16372
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168033	61690
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_9202022\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 POST RUN CURVE.gcb  
 Date Acquired : 9/20/2022 1:22:46 PM  
 Date Processed : 9/20/2022 3:02:56 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

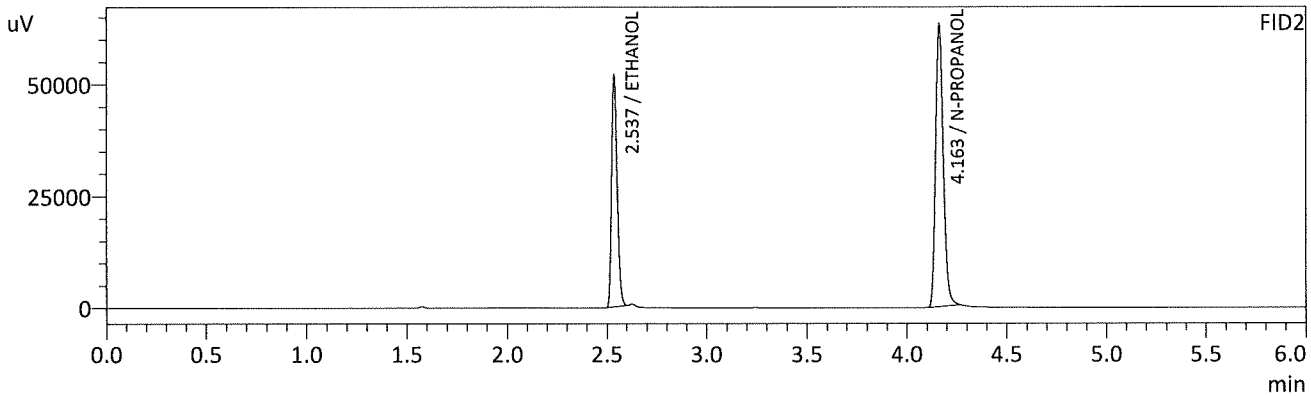
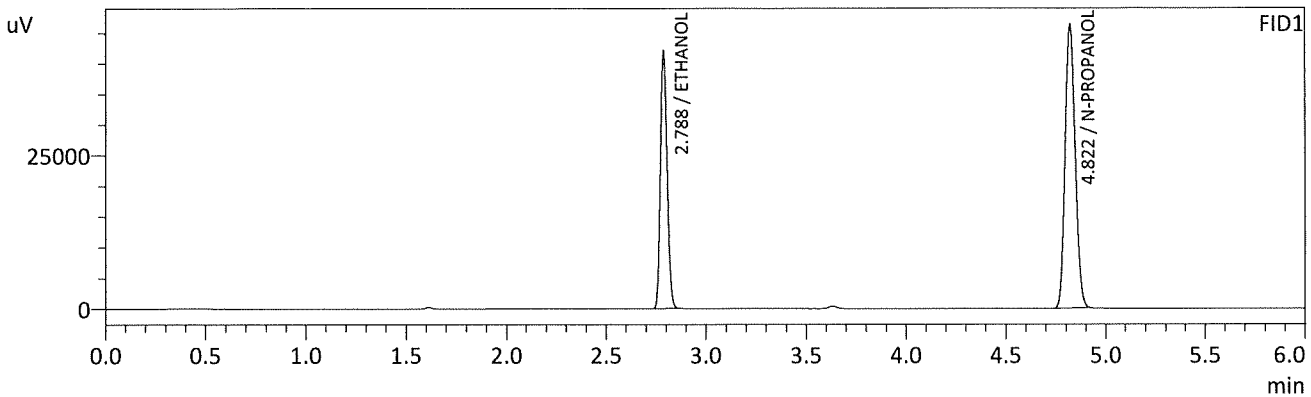
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1995	g/100cc	64606	27767
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161726	46052
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	67642	33950
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169735	62531
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_9202022\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 POST RUN CURVE.gcb  
 Date Acquired : 9/20/2022 1:32:30 PM  
 Date Processed : 9/20/2022 3:02:58 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

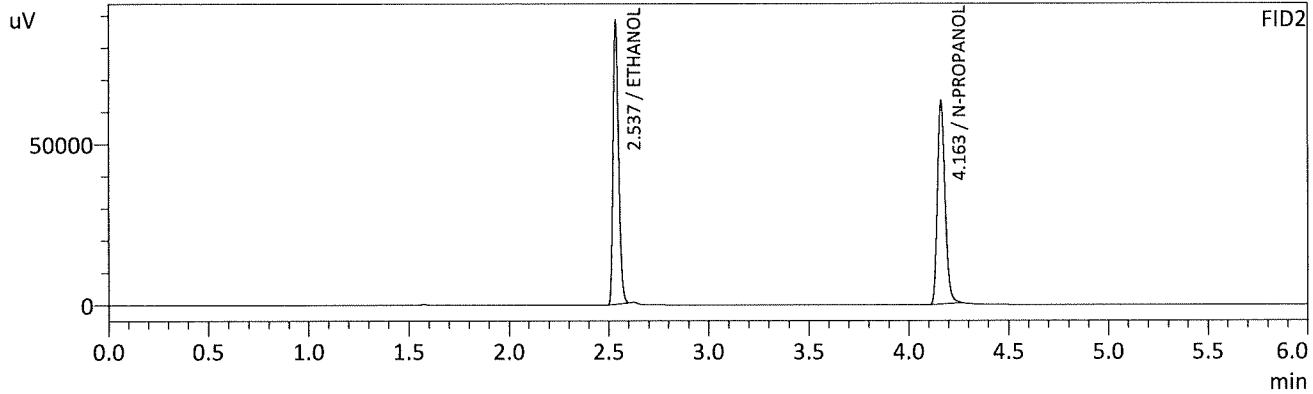
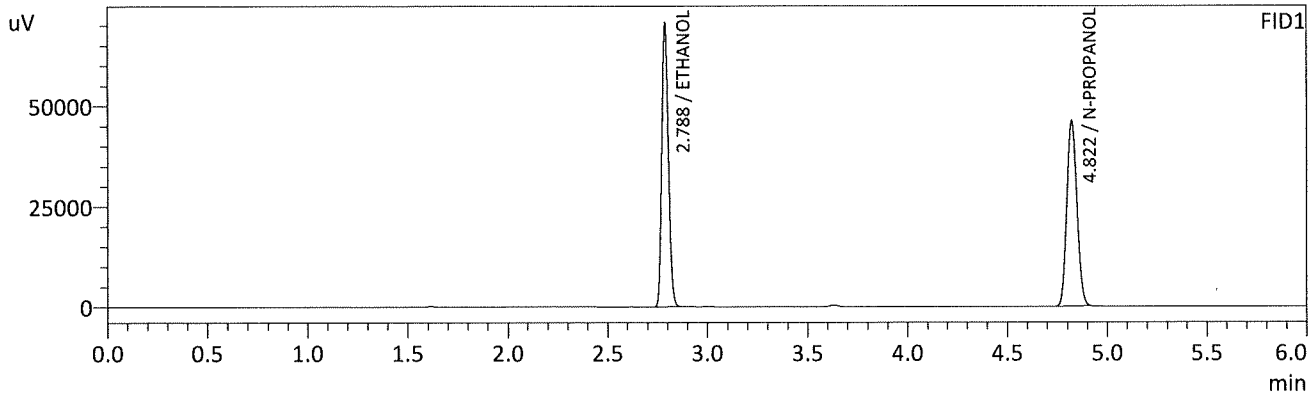
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2989	g/100cc	97435	41965
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162432	46190
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	102793	51771
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170342	62876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_9202022\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 POST RUN CURVE.gcb  
 Date Acquired : 9/20/2022 1:42:01 PM  
 Date Processed : 9/20/2022 3:02:59 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

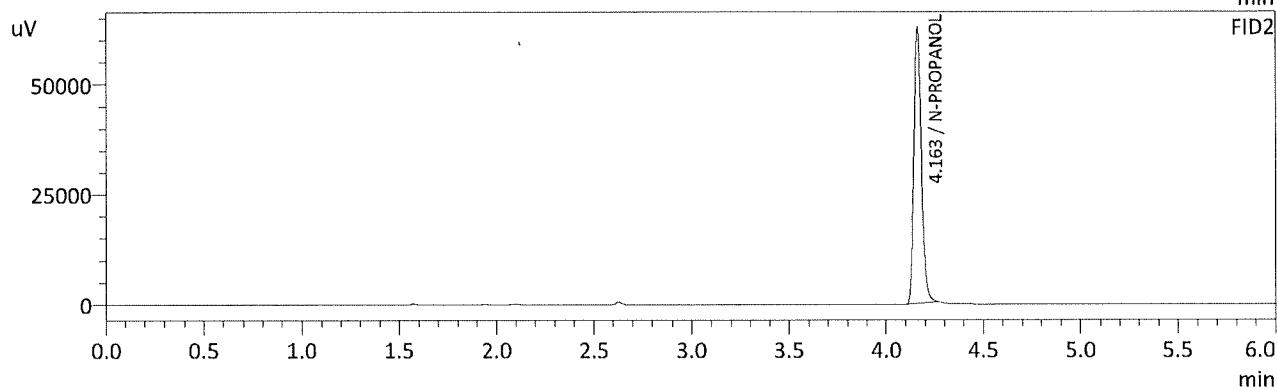
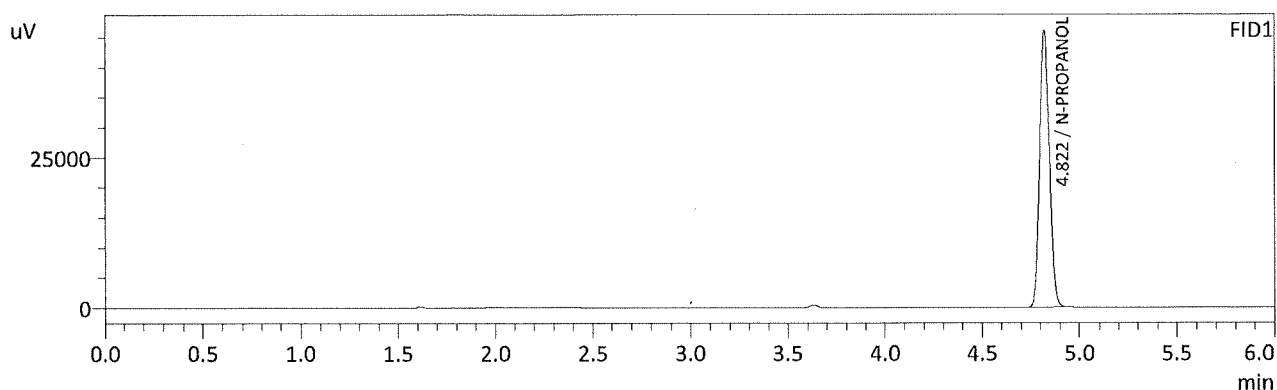
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5006	g/100cc	163257	70419
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162273	46025
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	173575	87894
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170026	62654
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_9202022\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-20-22 BATCH.gcb  
 Date Acquired : 9/20/2022 1:51:19 PM  
 Date Processed : 9/20/2022 1:57:21 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

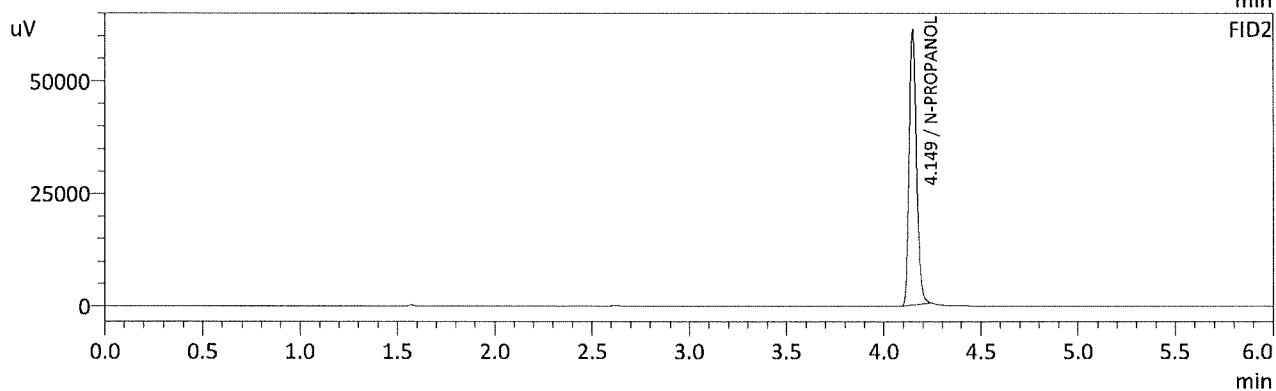
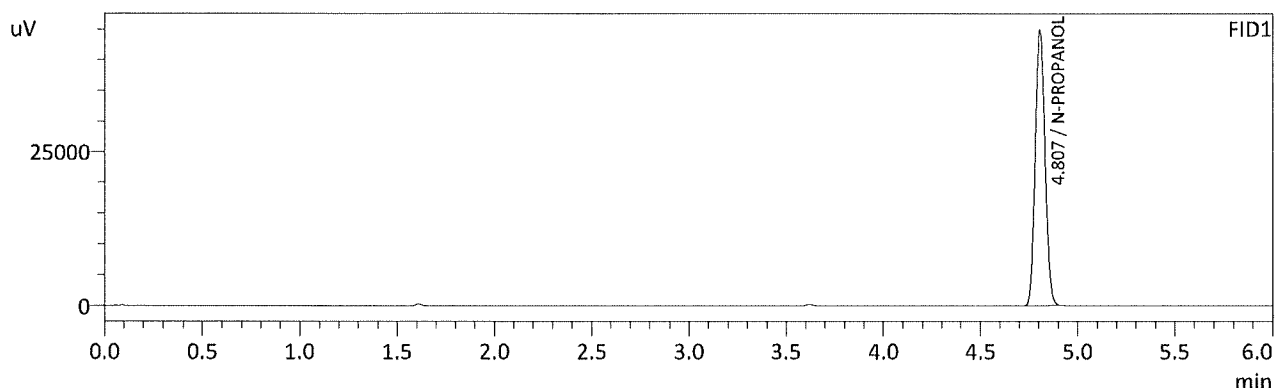
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160800	45870
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	169240	62110
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_9222022\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 11:32:52 AM  
 Date Processed : 9/22/2022 11:38:54 AM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

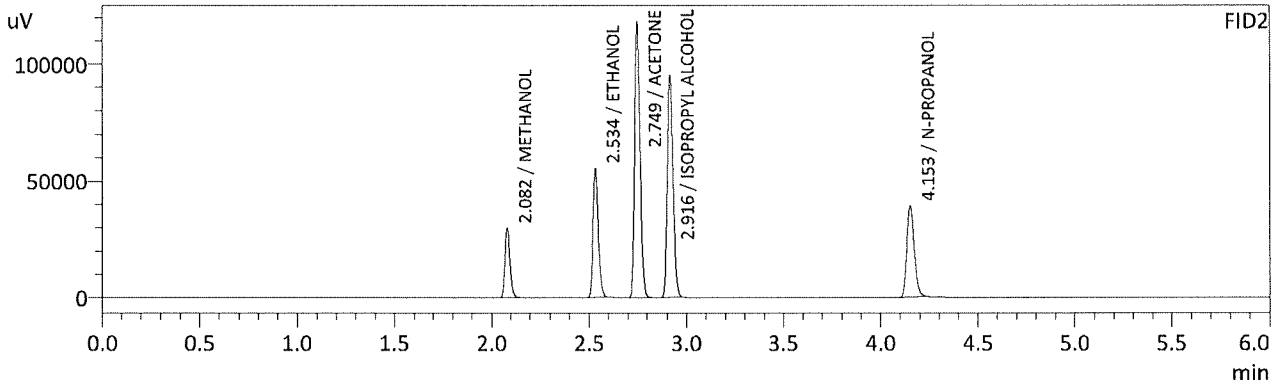
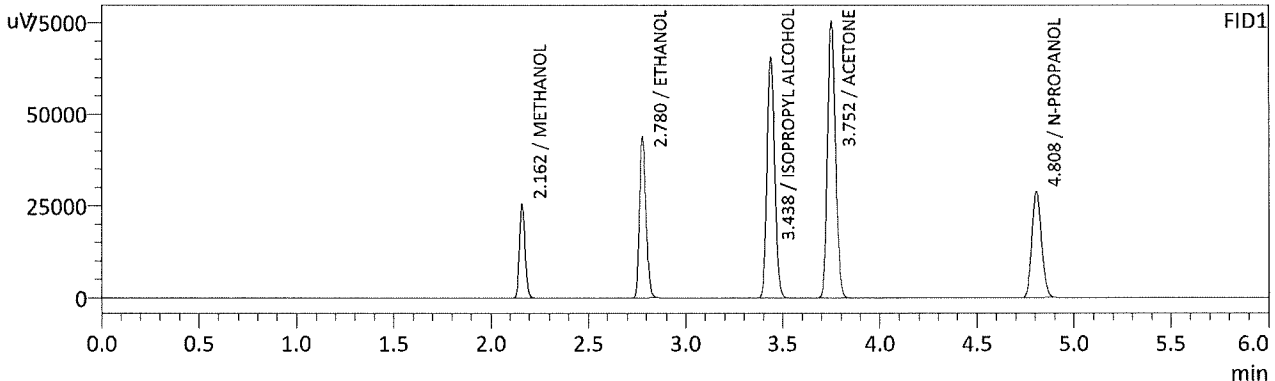
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156855	44662
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	164294	60753
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_9222022\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 11:42:22 AM  
 Date Processed : 9/22/2022 11:48:24 AM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	50649	25332
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4963	g/100cc	99065	43474
ISOPROPYL ALCOHOL	0.0000	g/100cc	179930	65477
ACETONE	0.0000	g/100cc	212629	74715
N-PROPANOL	0.0000	g/100cc	99320	28621
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

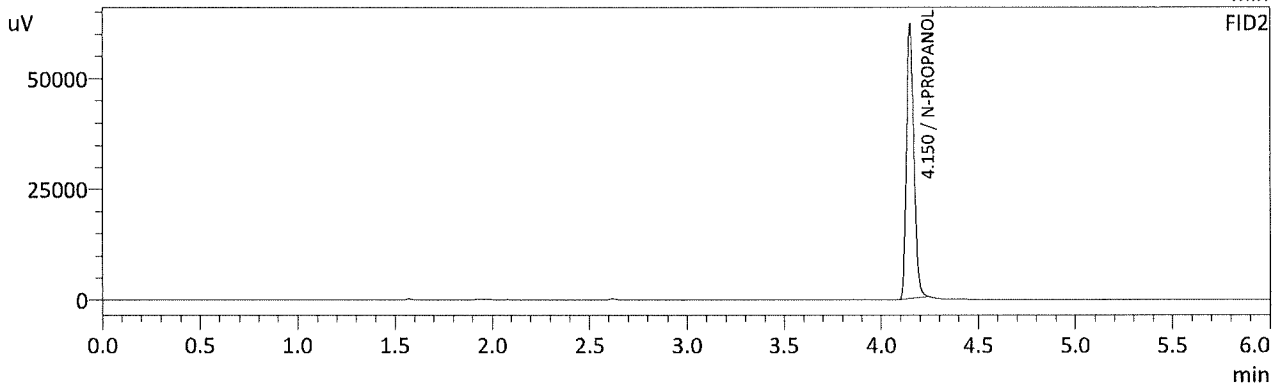
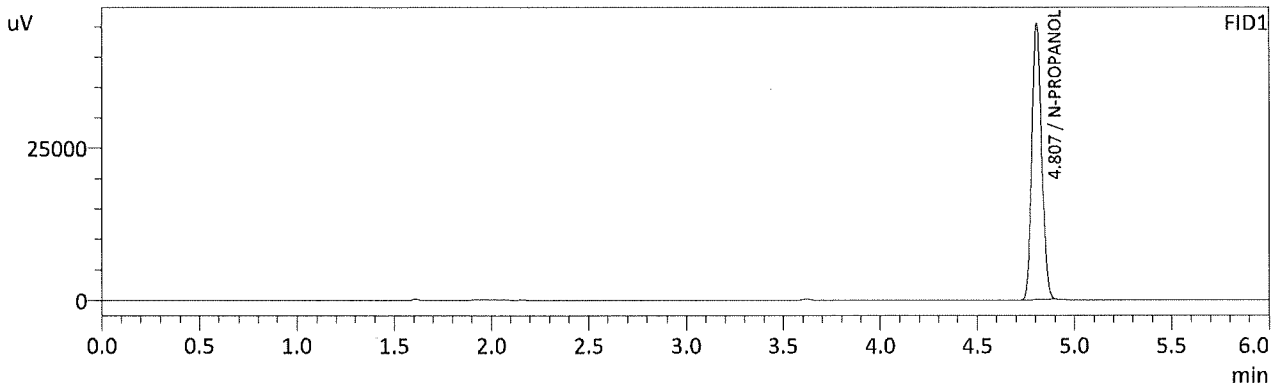
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	54112	29236
ETHANOL	0.5074	g/100cc	107319	54722
ACETONE	0.0000	g/100cc	231511	116283
ISOPROPYL ALCOHOL	0.0000	g/100cc	195304	94738
N-PROPANOL	0.0000	g/100cc	103861	39088
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_9222022\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 11:51:44 AM  
 Date Processed : 9/22/2022 11:57:44 AM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 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	158548	45170
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	166404	61851
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YBC

## VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1

Item #

Analysis Date(s): 9/22/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0740	0.0750	0.0010	0.0745	0.0001	0.0744
(g/100cc)	0.0740	0.0749	0.0009	0.0744		

### 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

	<b>Reported Result</b> <hr style="border-top: 1px dashed black;"/> 0.074
--	---

*Calibration and control data are stored centrally.*

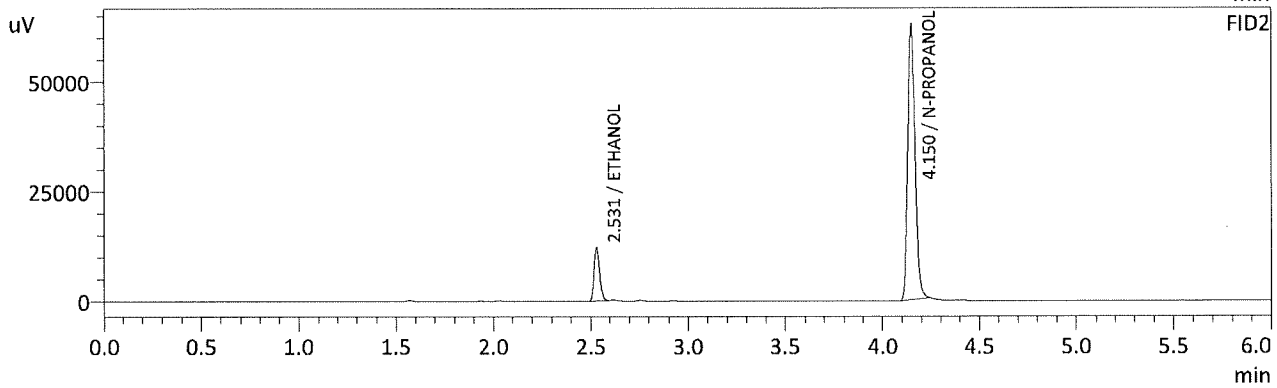
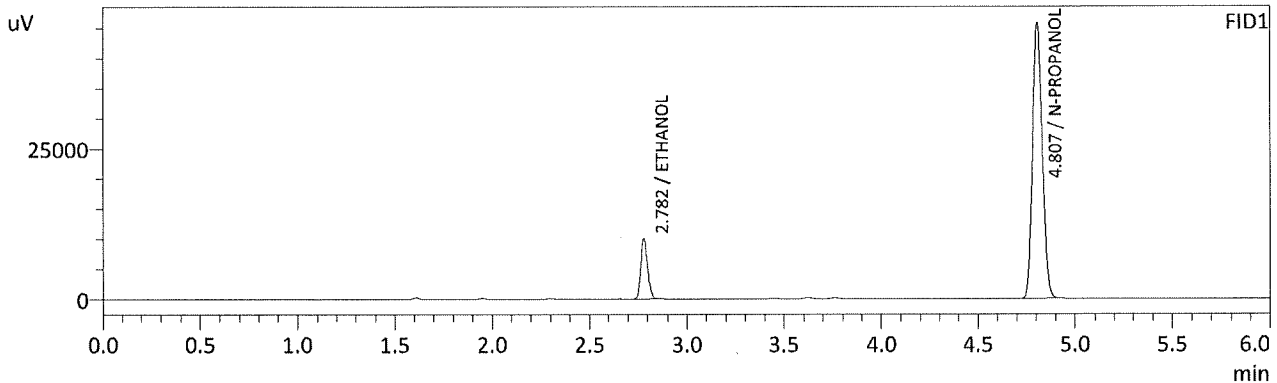


Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A  
 Vial # : 4  
 Data Filename : QC-1-1-A\_9222022\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 12:01:28 PM  
 Date Processed : 9/22/2022 12:07:30 PM  
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FID1

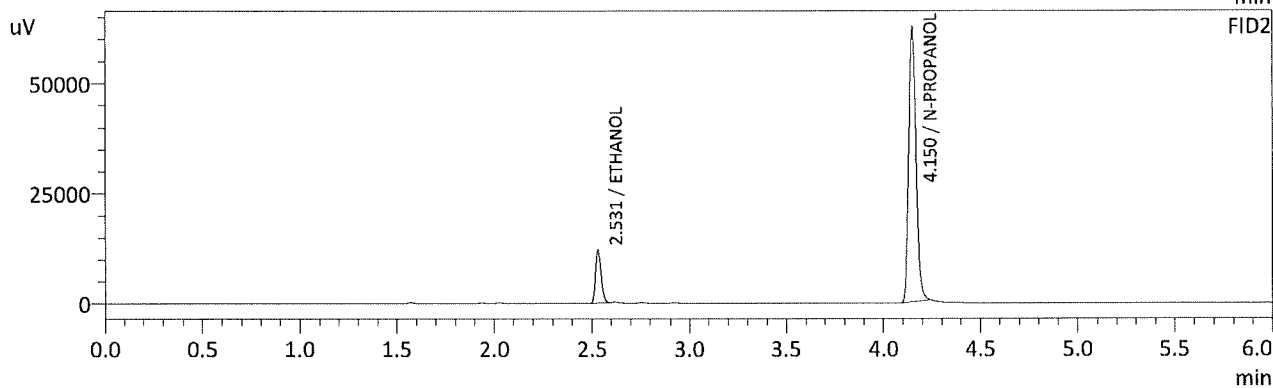
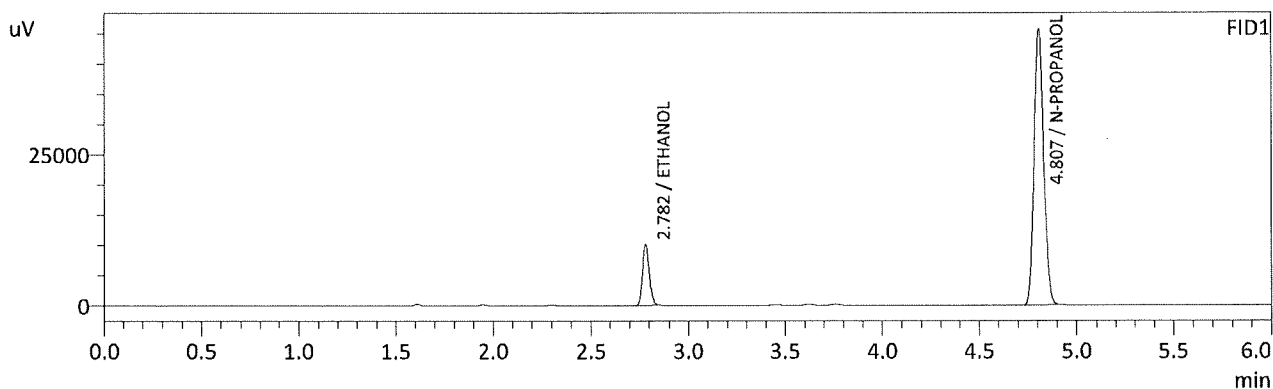
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0740	g/100cc	23468	9987
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159926	45554
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0750	g/100cc	24263	12092
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167924	62511
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-1-1-B  
 Vial # : 5  
 Data Filename : QC-1-1-B\_9222022\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 12:10:59 PM  
 Date Processed : 9/22/2022 12:17:01 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0740	g/100cc	23417	10011
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159450	45493
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	24170	12064
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167428	62210
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

### VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: **0.080QA**                      Item #                      Analysis Date(s): **9/22/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0820	0.0008	0.0816	0.0000	0.0816
(g/100cc)	0.0813	0.0819	0.0006	0.0816		

**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
<b>0.081</b>	<b>0.076</b>	<b>0.086</b>	<b>0.005</b>

	<b>Reported Result</b>	
	<b>0.081</b>	

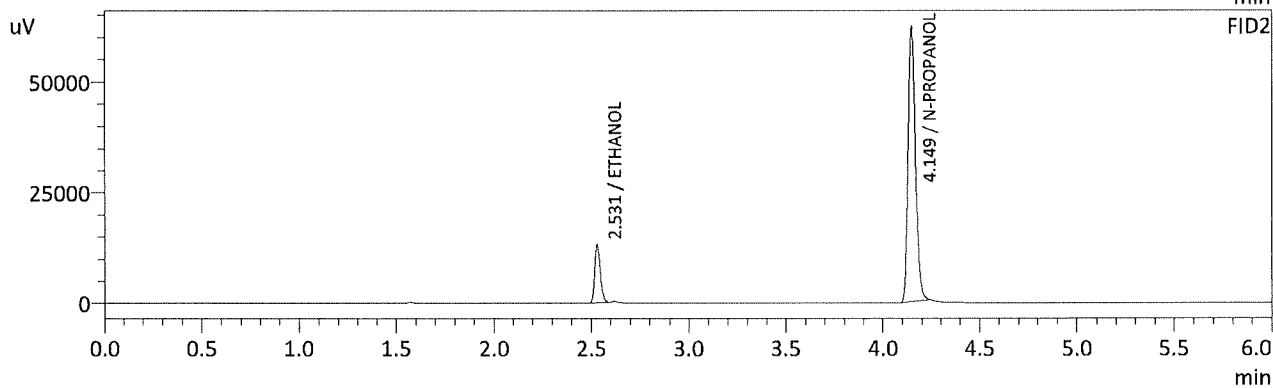
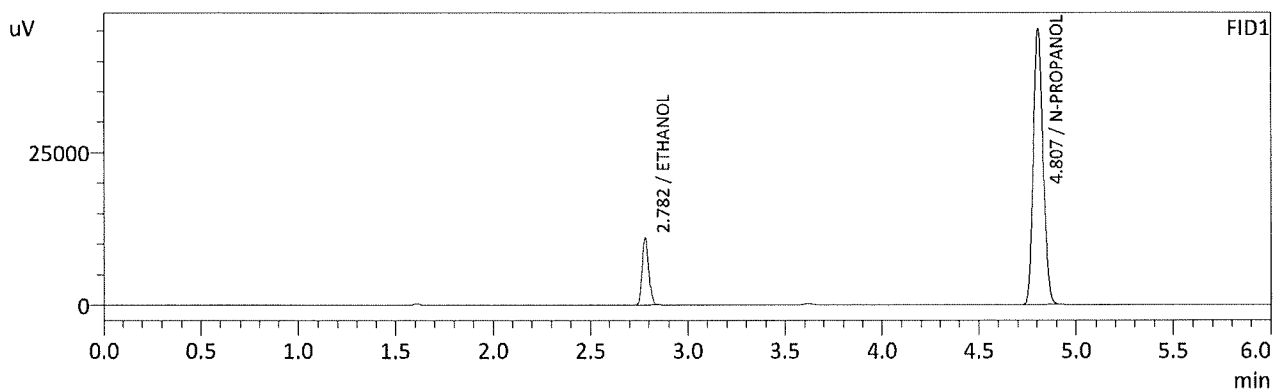
*Calibration and control data are stored centrally.*



Revision: 1

Issue Date: 12/29/2021

Sample Name : 0.08 QA - A  
 Vial # : 6  
 Data Filename : 0.08 QA - A\_9222022\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 12:20:17 PM  
 Date Processed : 9/22/2022 12:26:19 PM  
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FID1

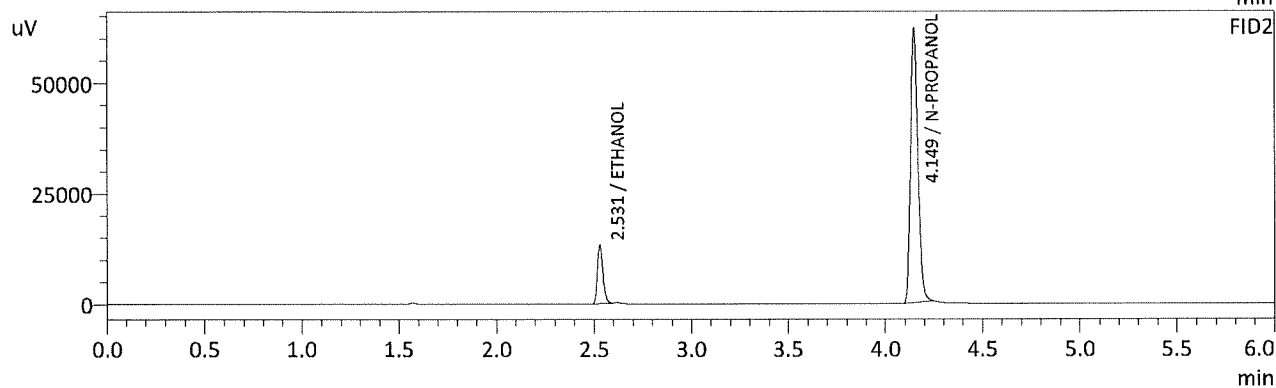
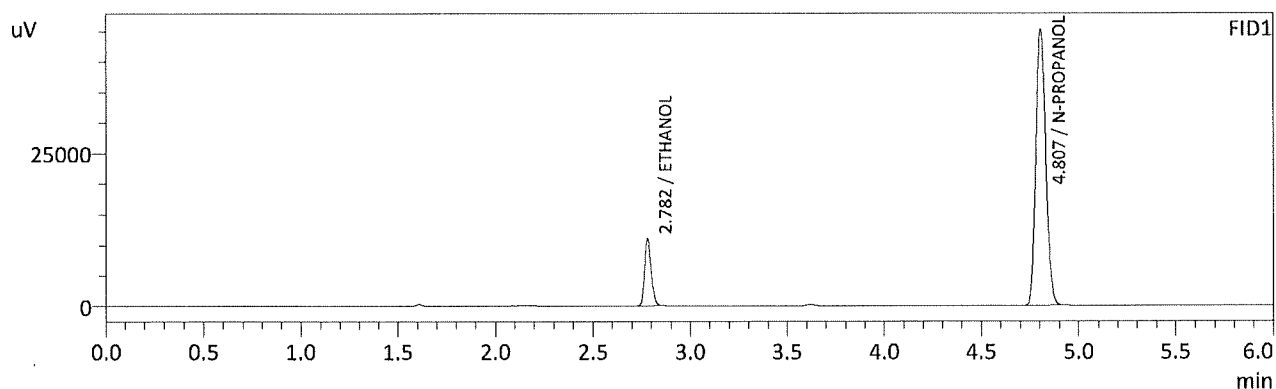
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	25527	10880
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158202	45005
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	26374	13149
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166020	61706
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*hc*

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_9222022\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 12:30:00 PM  
 Date Processed : 9/22/2022 12:36:01 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	25487	10855
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157855	44952
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	26314	13125
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165807	61647
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JAC*

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC2-1

Item #

Analysis Date(s): 9/22/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2167	0.2195	0.0028	0.2181	0.0004	0.2183
(g/100cc)	0.2173	0.2198	0.0025	0.2185		

**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
0.218	0.207	0.229	0.011

Reported Result	
0.218	

*Calibration and control data are stored centrally.*



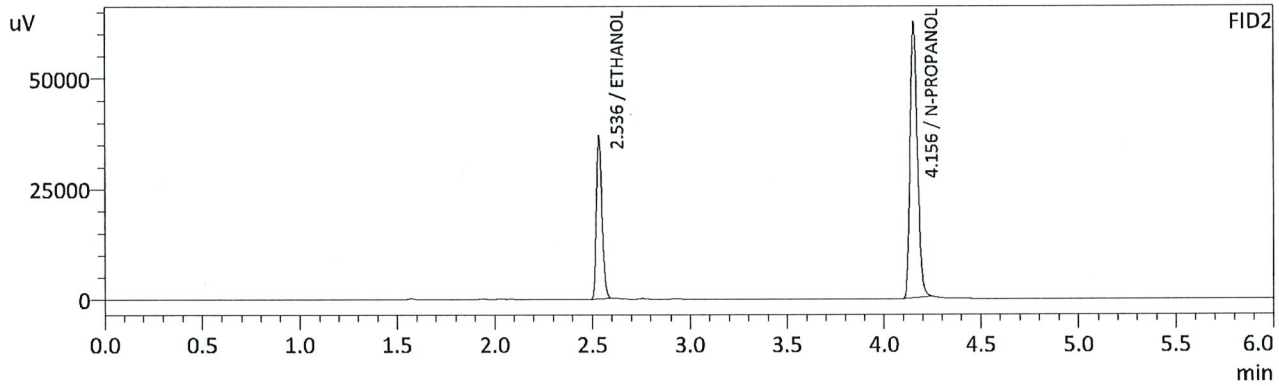
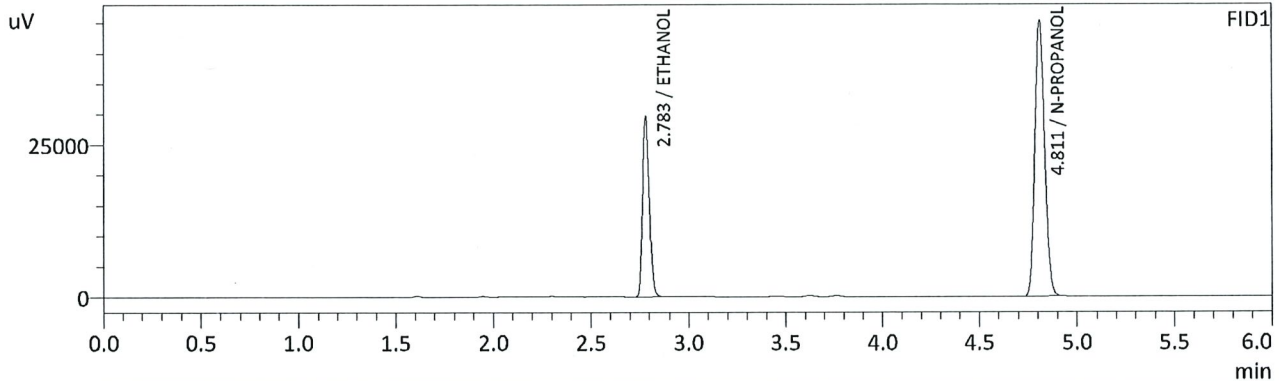
Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager



Sample Name : QC-2-1-A  
 Vial # : 26  
 Data Filename : QC-2-1-A\_9222022\_026.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 3:30:52 PM  
 Date Processed : 9/22/2022 3:36:54 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

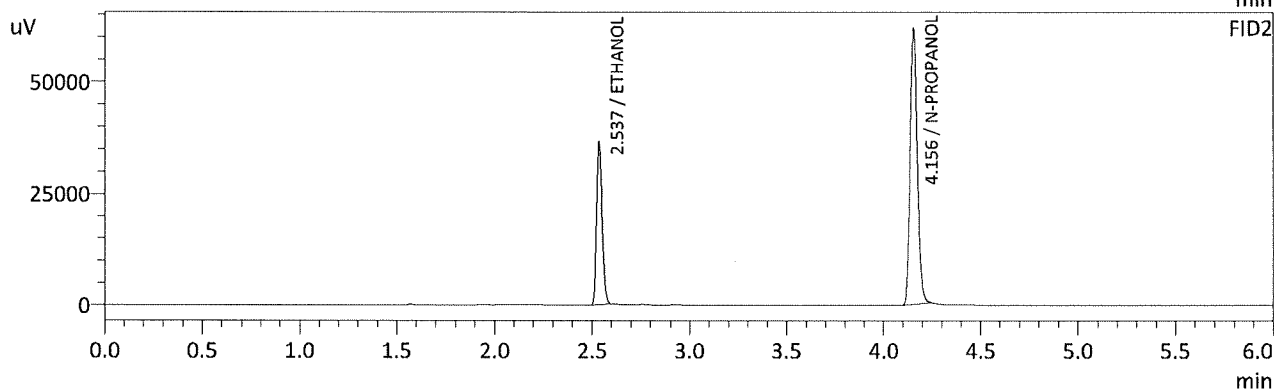
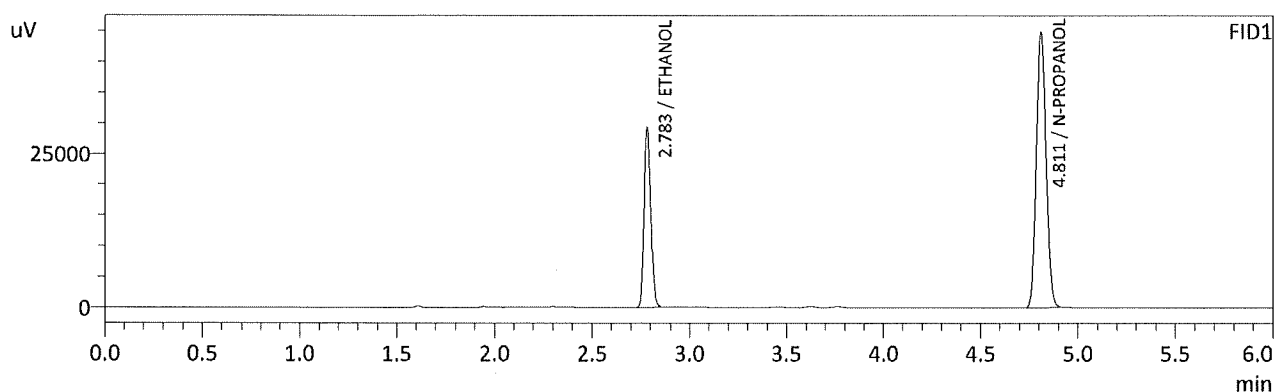
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2167	g/100cc	68733	29457
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158281	45223
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2195	g/100cc	73055	36741
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165421	62309
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-2-1-B  
 Vial # : 27  
 Data Filename : QC-2-1-B\_9222022\_027.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 3:40:10 PM  
 Date Processed : 9/22/2022 3:46:12 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2173	g/100cc	68029	29164
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156242	44680
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2198	g/100cc	72279	36489
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163449	61735
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC1-2

Item #

Analysis Date(s): 9/22/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0796	0.0818	0.0022	0.0807	0.0001	0.0806
(g/100cc)	0.0797	0.0816	0.0019	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
0.080	0.076	0.084	0.004

Reported Result	
0.080	

*Calibration and control data are stored centrally.*

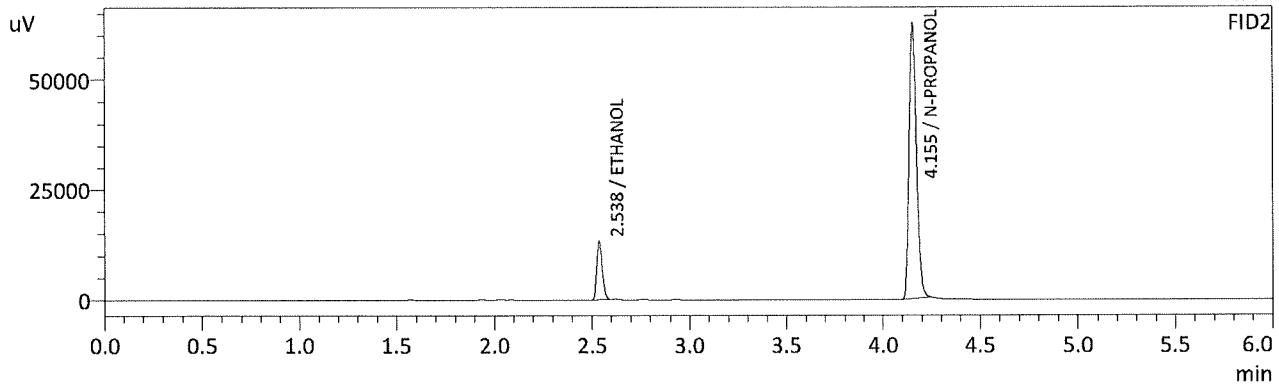
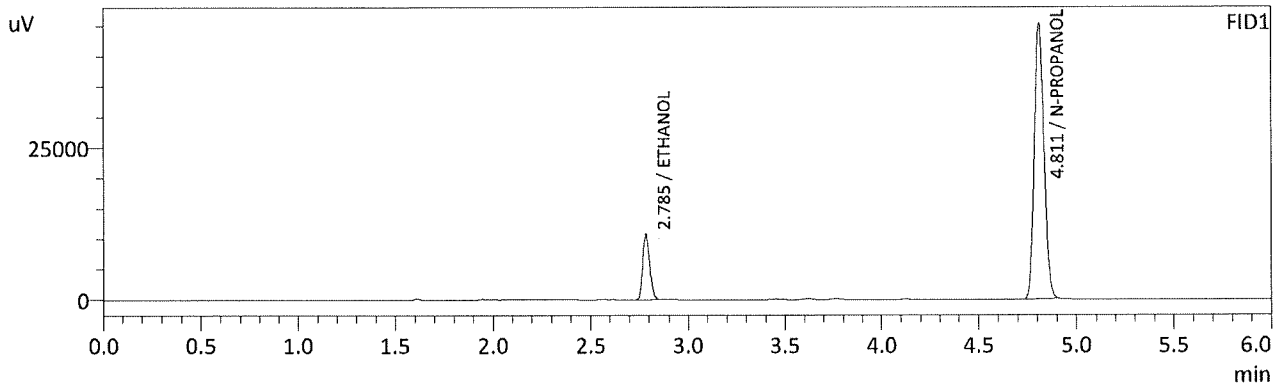


Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC1-2-A  
 Vial # : 38  
 Data Filename : QC1-2-A\_9222022\_038.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 5:25:09 PM  
 Date Processed : 9/22/2022 5:31:12 PM  
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FID1

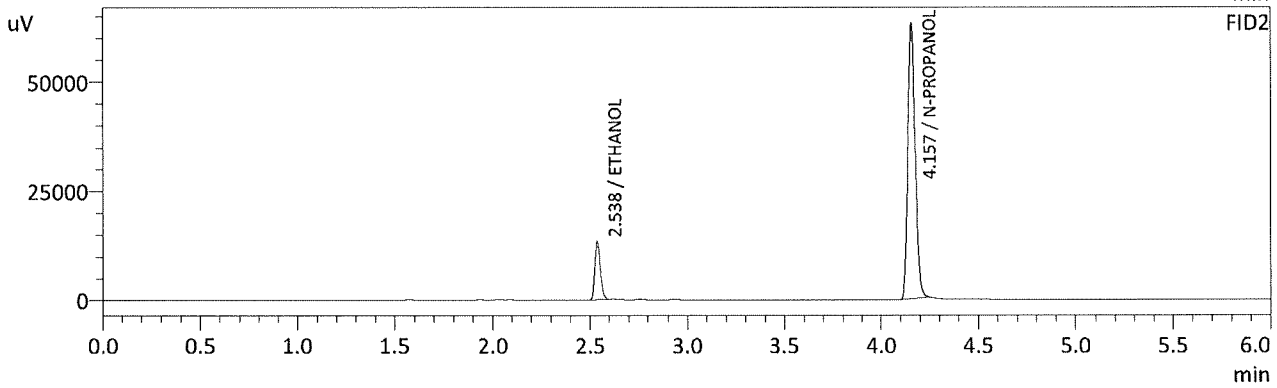
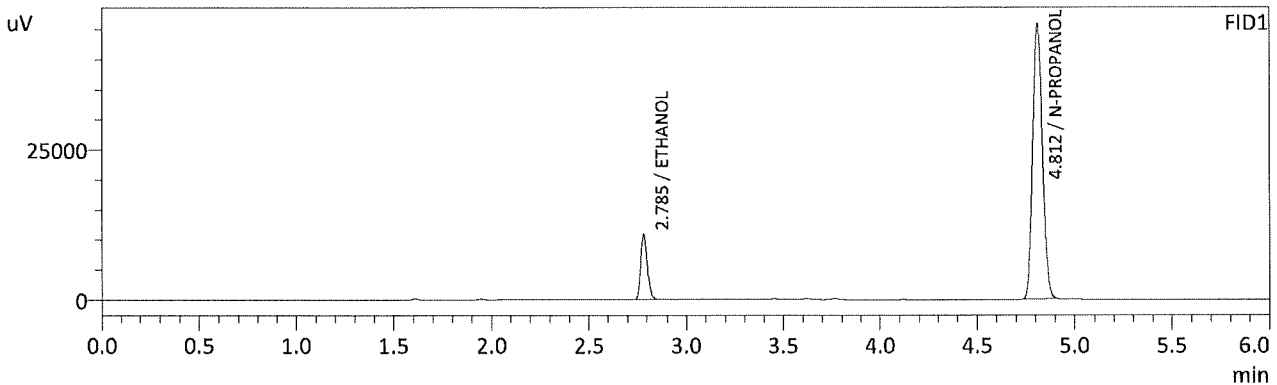
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	24953	10705
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157843	45294
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	26244	13144
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165525	62333
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B  
 Vial # : 39  
 Data Filename : QC1-2-B\_9222022\_039.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 5:34:27 PM  
 Date Processed : 9/22/2022 5:40:28 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 RC\ALCOHOL.gcm



FID1

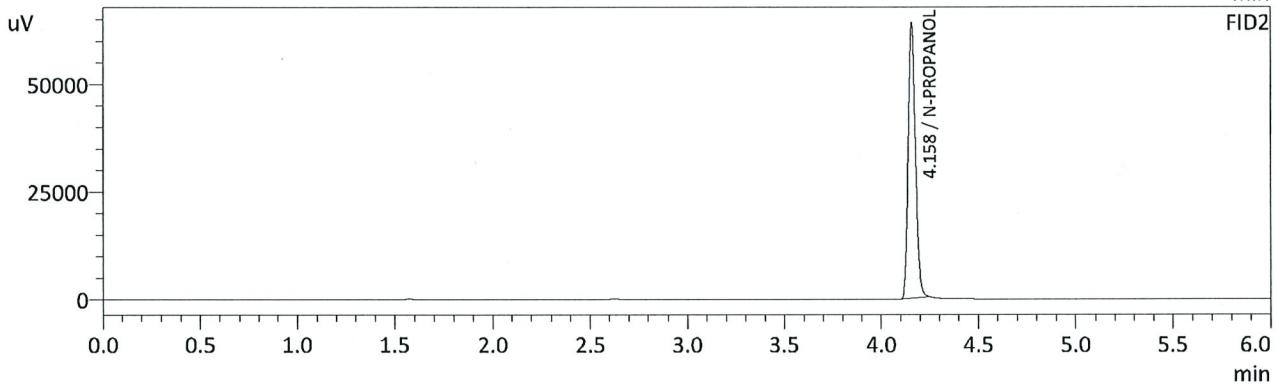
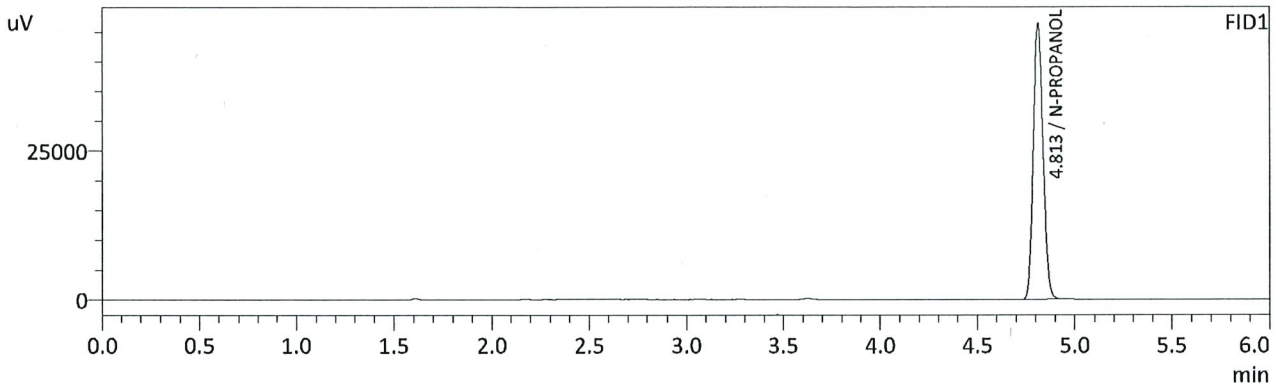
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0797	g/100cc	25250	10803
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159656	45564
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	26470	13216
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167376	63044
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : INT STD BLK 3  
 Vial # : 40  
 Data Filename : INT STD BLK 3\_9222022\_040.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 9-22-22 BATCH.gcb  
 Date Acquired : 9/22/2022 5:44:10 PM  
 Date Processed : 9/22/2022 5:50:12 PM  
 C:\LabSolutions\Data\2022\9-20-22 RC\9-22-22 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	161729	46344
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	169811	63326
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CHC*

# 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	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
4	QC-1-1-A	0:Unknown	ALCOHOL.gcm		0
5	QC-1-1-B	0:Unknown	ALCOHOL.gcm		0
6	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
8	P2022-2836-1-A	0:Unknown	ALCOHOL.gcm		0
9	P2022-2836-1-B	0:Unknown	ALCOHOL.gcm		0
10	P2022-2888-1-A	0:Unknown	ALCOHOL.gcm		0
11	P2022-2888-1-B	0:Unknown	ALCOHOL.gcm		0
12	P2022-2893-1-A	0:Unknown	ALCOHOL.gcm		0
13	P2022-2893-1-B	0:Unknown	ALCOHOL.gcm		0
14	P2022-2916-1-A	0:Unknown	ALCOHOL.gcm		0
15	P2022-2916-1-B	0:Unknown	ALCOHOL.gcm		0
16	P2022-2917-1-A	0:Unknown	ALCOHOL.gcm		0
17	P2022-2917-1-B	0:Unknown	ALCOHOL.gcm		0
18	P2022-2925-1-A	0:Unknown	ALCOHOL.gcm		0
19	P2022-2925-1-B	0:Unknown	ALCOHOL.gcm		0
20	P2022-2934-1-A	0:Unknown	ALCOHOL.gcm		0
21	P2022-2934-1-B	0:Unknown	ALCOHOL.gcm		0
22	P2022-2937-1-A	0:Unknown	ALCOHOL.gcm		0
23	P2022-2937-1-B	0:Unknown	ALCOHOL.gcm		0
24	P2022-2943-1-A	0:Unknown	ALCOHOL.gcm		0
25	P2022-2943-1-B	0:Unknown	ALCOHOL.gcm		0
26	QC-2-1-A	0:Unknown	ALCOHOL.gcm		0
27	QC-2-1-B	0:Unknown	ALCOHOL.gcm		0
28	P2022-2944-1-A	0:Unknown	ALCOHOL.gcm		0
29	P2022-2944-1-B	0:Unknown	ALCOHOL.gcm		0
30	P2022-2946-1-A	0:Unknown	ALCOHOL.gcm		0
31	P2022-2946-1-B	0:Unknown	ALCOHOL.gcm		0
32	P2022-2952-1-A	0:Unknown	ALCOHOL.gcm		0
33	P2022-2952-1-B	0:Unknown	ALCOHOL.gcm		0
34	P2022-2954-1-A	0:Unknown	ALCOHOL.gcm		0
35	P2022-2954-1-B	0:Unknown	ALCOHOL.gcm		0
36	P2022-2955-1-A	0:Unknown	ALCOHOL.gcm		0
37	P2022-2955-1-B	0:Unknown	ALCOHOL.gcm		0
38	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
39	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
40	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0
41	EXPERIMENT A	0:Unknown	ALCOHOL.gcm		0
42	EXPERIMENT B	0:Unknown	ALCOHOL.gcm		0