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7/21/2022

**Worklist: 6036**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2022-1794	1	UCK	Alcohol Analysis	
P2022-2008	1	BCK	Alcohol Analysis	
P2022-2010	1	BCK	Alcohol Analysis	
P2022-2019	1	BCK	Alcohol Analysis	
P2022-2025	1	BCK	Alcohol Analysis	
P2022-2027	1	BCK	Alcohol Analysis	
P2022-2028	1	BCK	Alcohol Analysis	
P2022-2031	1	BCK	Alcohol Analysis	
P2022-2059	1	BCK	Alcohol Analysis	
P2022-2070	1	BCK	Alcohol Analysis	
P2022-2071	1	BCK	Alcohol Analysis	
P2022-2094	1	BCK	Alcohol Analysis	
P2022-2095	1	BCK	Alcohol Analysis	
P2022-2096	1	BCK	Alcohol Analysis	
P2022-2097	1	BCK	Alcohol Analysis	
P2022-2099	1	BCK	Alcohol Analysis	
P2022-2115	1	BCK	Alcohol Analysis	
P2022-2123	1	BCK	Alcohol Analysis	
P2022-2145	1	BCK	Alcohol Analysis	

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**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): 07/21/2022**

**Calibration Date: (if different)**

**Worklist #: 6036**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0864	0.0688-0.0840	0.0739 g/100cc 0.0796 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2163 g/100cc g/100cc g/100cc
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>Lot #</b>	<b>Column 1</b>	<b>Column 2</b>
<b>Curve Fit:</b>		<b>10/31/2024</b>	<b>FN06041902</b>	<b>0.99998</b>	<b>0.99993</b>

**REVIEWED**  
By Rachel Cutler at 9:55 am, Jul 26, 2022

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0516	0.0008	0.0512
100	0.100	0.090 - 0.110	0.1000	0.0999	0.0001	0.0999
200	0.200	0.180 - 0.220	0.1990	0.1982	0.0008	0.1986
300	0.300	0.270 - 0.330	0.2993	0.2990	0.0003	0.2991
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5006	0.5011	0.0005	0.5008

**Aqueous Controls**

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc

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### Internal Standard Monitoring Worksheet

<b>Worksheet #:</b> 6036	<b>Run Date(s):</b> 07/21/2022
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Internal Standard Solution:	Prep Date: 7/1/2022	Exp Date: 1/1/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	183718	195632
0.080	181412	192856
QC1	188860	201559
QC1	185381	197608
QC1	196163	209316
QC1	198920	212257
QC1		
QC1		
QC2	194526	206859
QC2	194081	206393
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+ )20%
Column 1 190382.6	152306.1	228459.2
Column 2 202810.0	162248.0	243372.0

TS

=====  
Calibration Table  
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Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Data File>>  
Method File :C:\LabSolutions\Data\2022\7-21-22 TSV\ALCOHOL.gcm  
Batch File :C:\LabSolutions\Data\2022\7-21-22 TS\072122\_TS\_post.gcb  
Date Acquired :7/21/2022 3:34:24 PM  
Date Created :7/21/2022 3:31:00 PM  
Date Modified :7/22/2022 7:28:09 AM



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

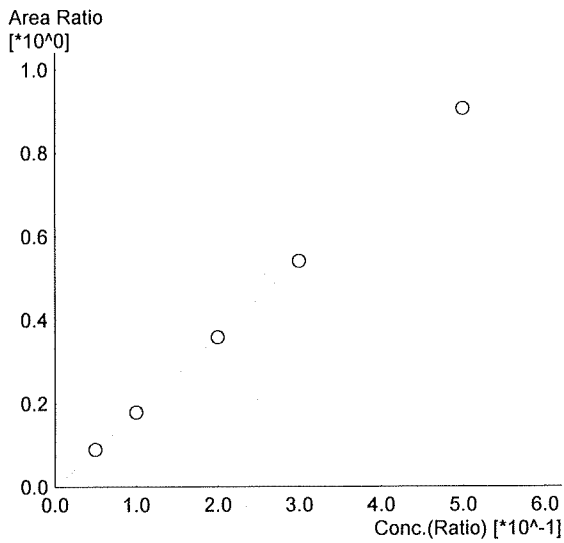
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
Detector Name: FID1  
Function : f(x)=0\*x+0  
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

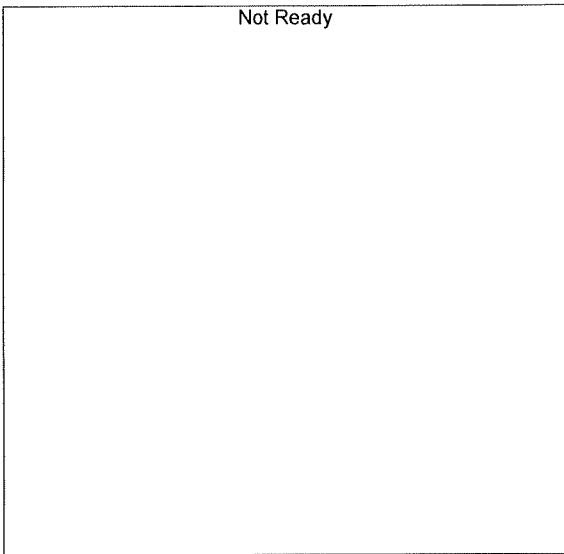
#	Conc.	Area	Std. Conc.	Data File Name
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TS



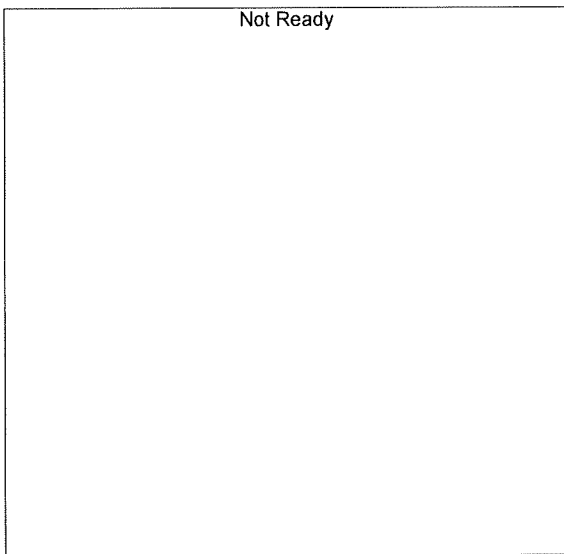
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=1.81631*x-0.00358212$   
 R^2 value= 0.999814 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16558	0.0508	0.050_7212022_001.gcd
2	0.100	33122	0.1000	0.100_7212022_002.gcd
3	0.200	67089	0.1990	0.200_7212022_003.gcd
4	0.300	101537	0.2993	0.300_7212022_004.gcd
5	0.500	171235	0.5006	0.500_7212022_005.gcd



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

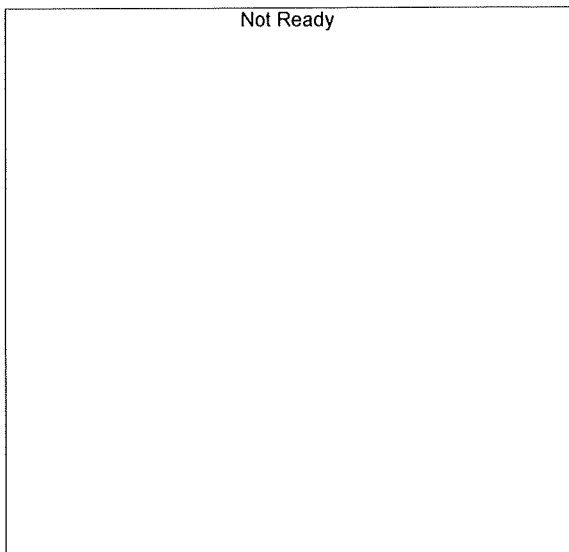
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R^2 value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

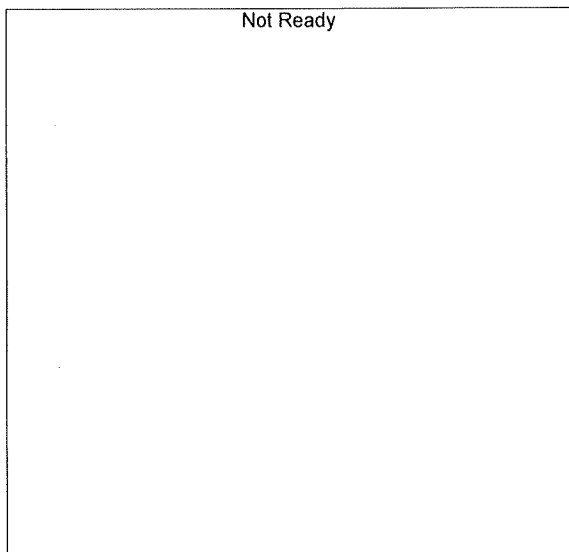
#	Conc.	Area	Std. Conc.	Data File Name
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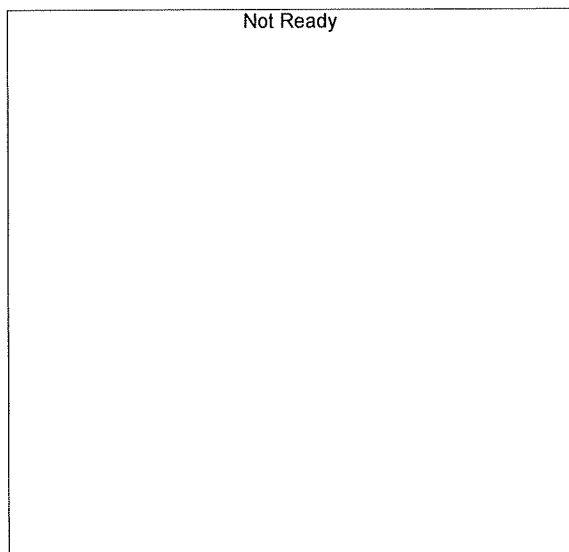
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

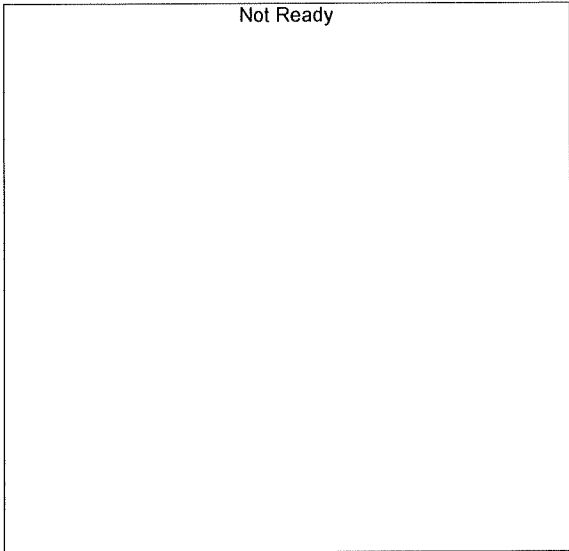
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

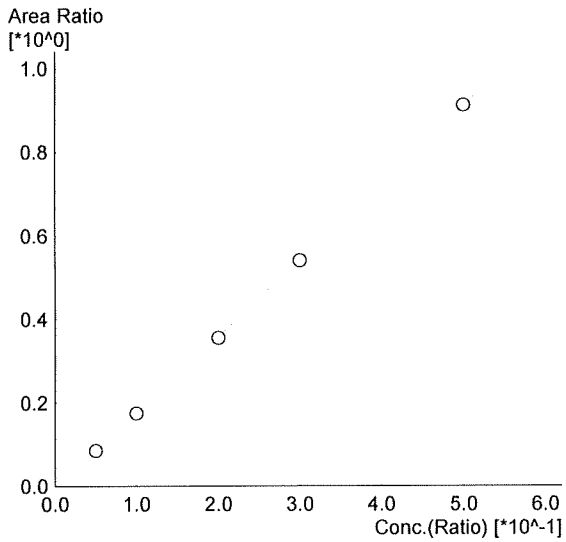
#	Conc.	Area	Std. Conc.	Data File Name
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TS



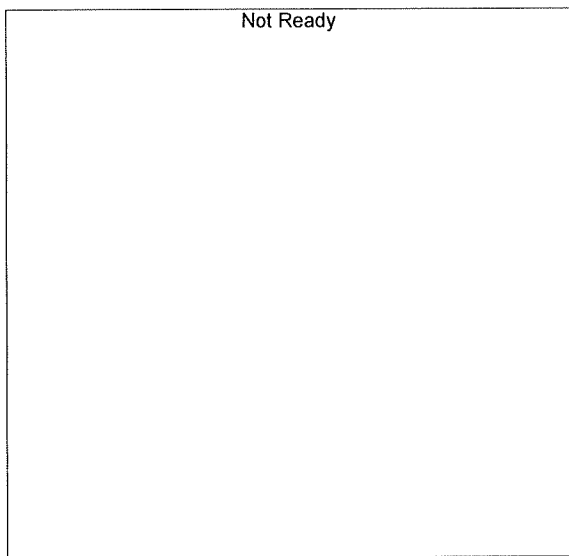
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=1.83911*x-0.00961051$   
 R<sup>2</sup> value= 0.9999363 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16918	0.0516	0.050_7212022_001.gcd
2	0.100	34420	0.0999	0.100_7212022_002.gcd
3	0.200	70856	0.1982	0.200_7212022_003.gcd
4	0.300	108042	0.2990	0.300_7212022_004.gcd
5	0.500	183086	0.5011	0.500_7212022_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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Not Ready

Name : ISOPROPYLALCOHOL  
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

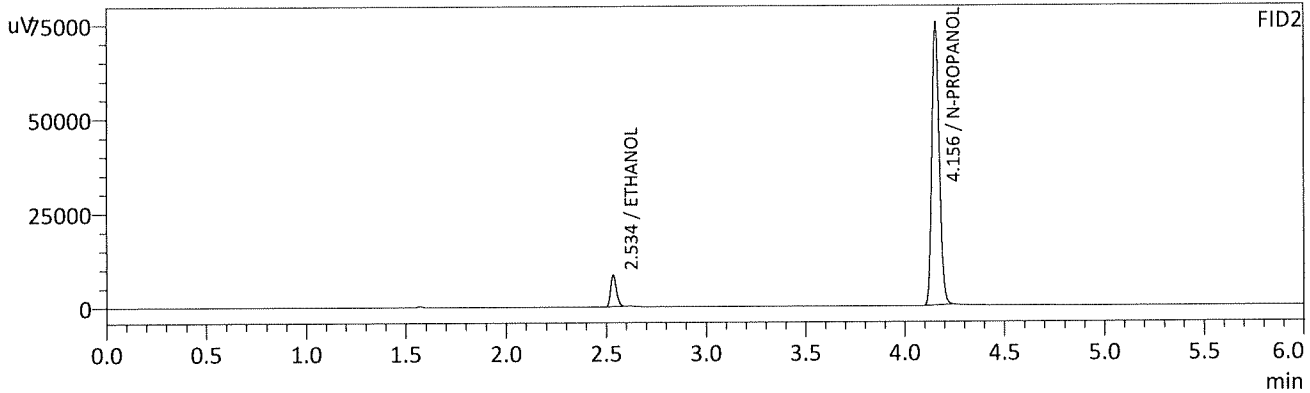
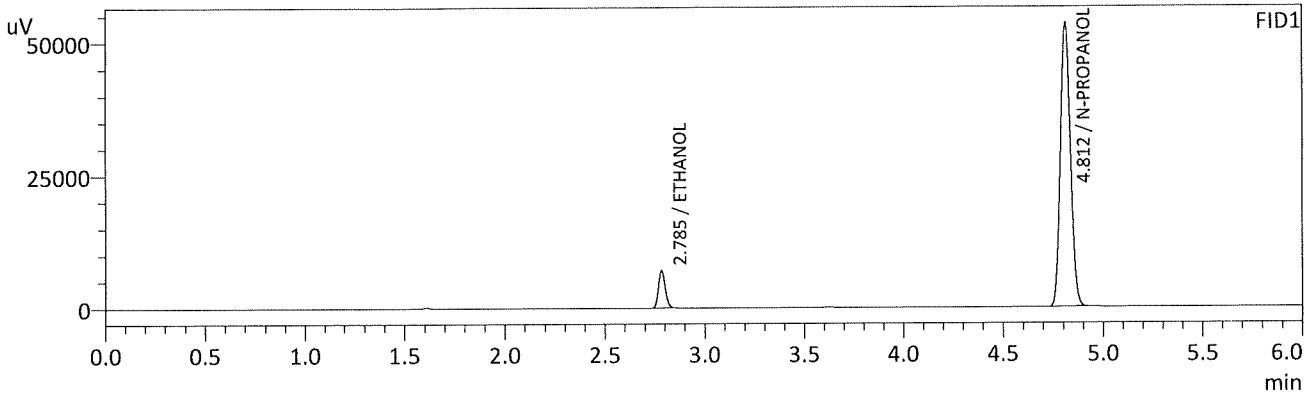
Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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15

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_7212022\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 2:56:18 PM  
 Date Processed : 7/22/2022 7:28:03 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

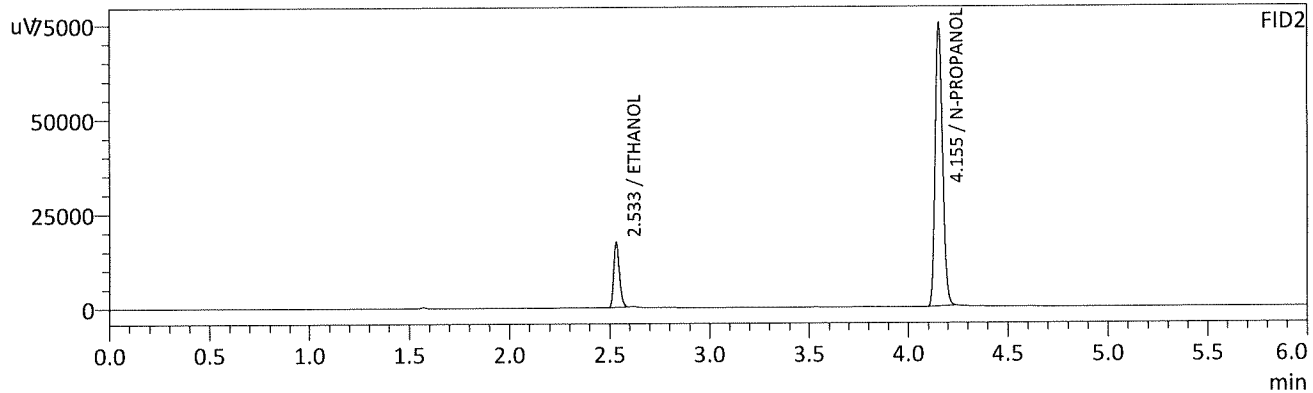
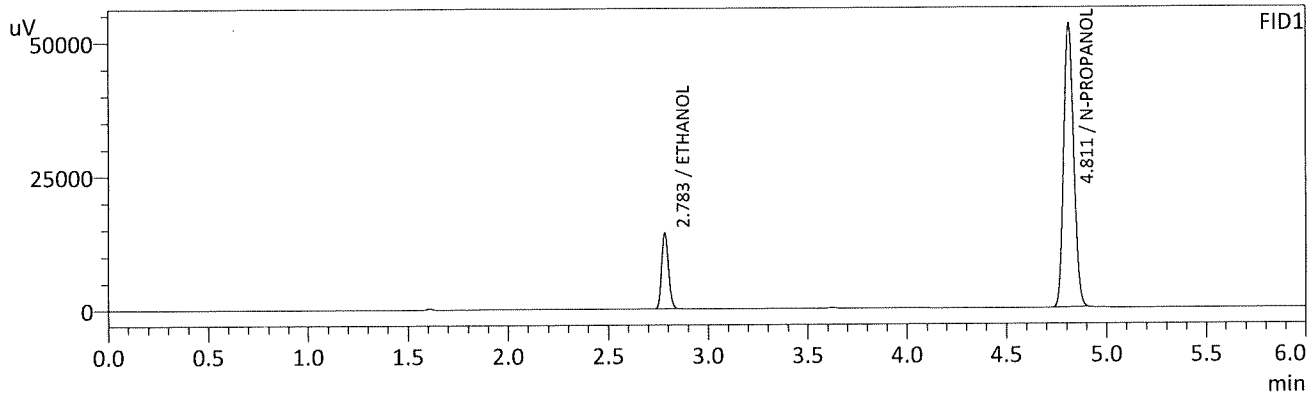
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0508	g/100cc	16558	7077
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186557	53170
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0516	g/100cc	16918	8296
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198001	75060
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_7212022\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:05:47 PM  
 Date Processed : 7/22/2022 7:28:05 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

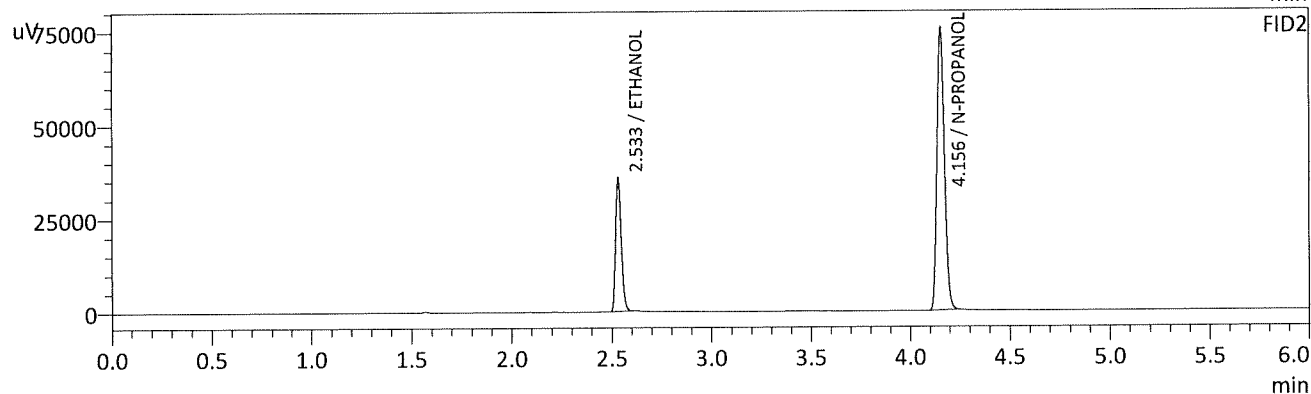
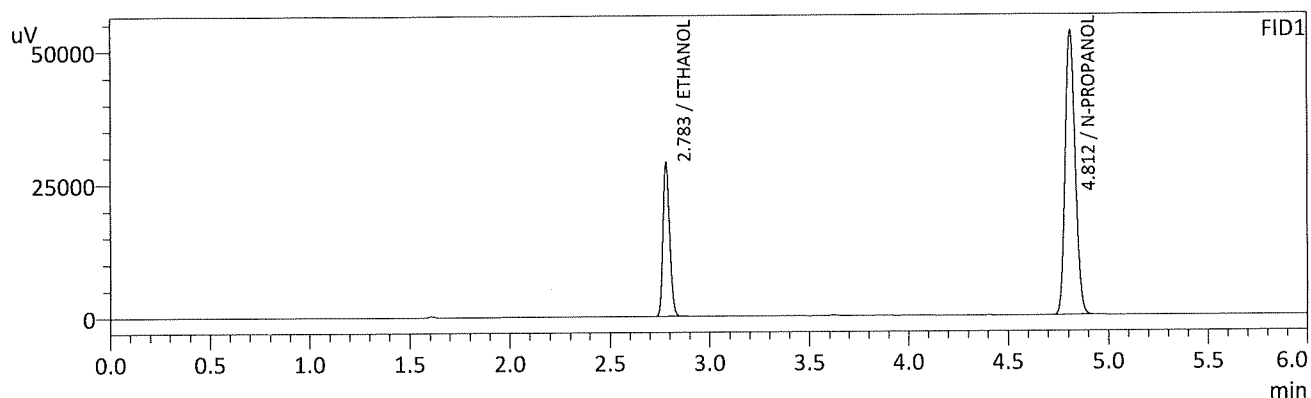
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	33122	14170
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185907	52823
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0999	g/100cc	34420	17192
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197677	74735
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_7212022\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:15:08 PM  
 Date Processed : 7/22/2022 7:28:06 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

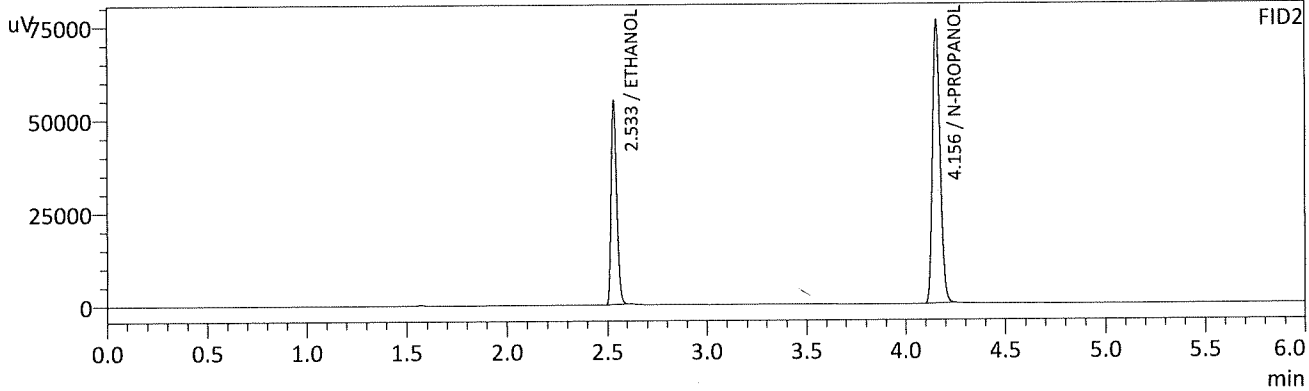
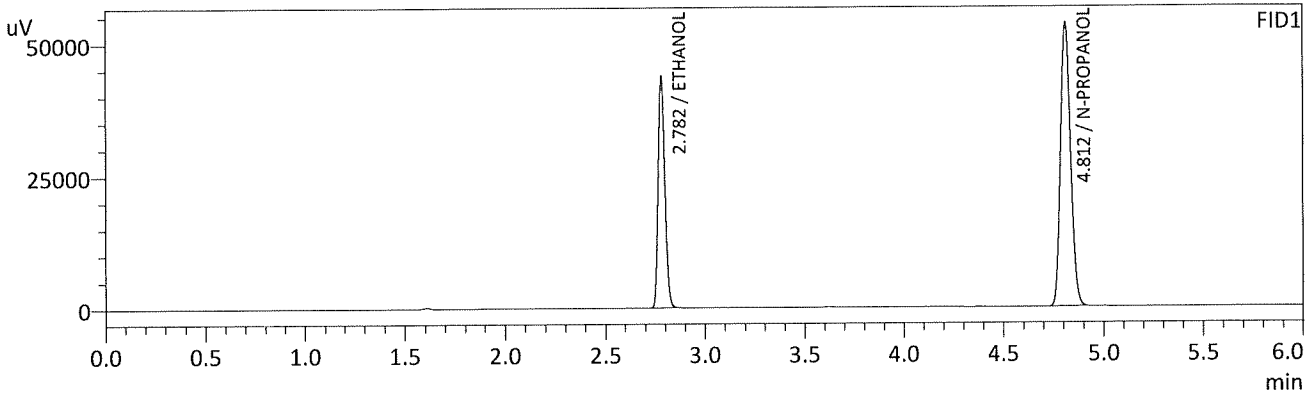
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1990	g/100cc	67089	28675
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187383	53164
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	70856	35714
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199596	75583
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_7212022\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:24:52 PM  
 Date Processed : 7/22/2022 7:28:07 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

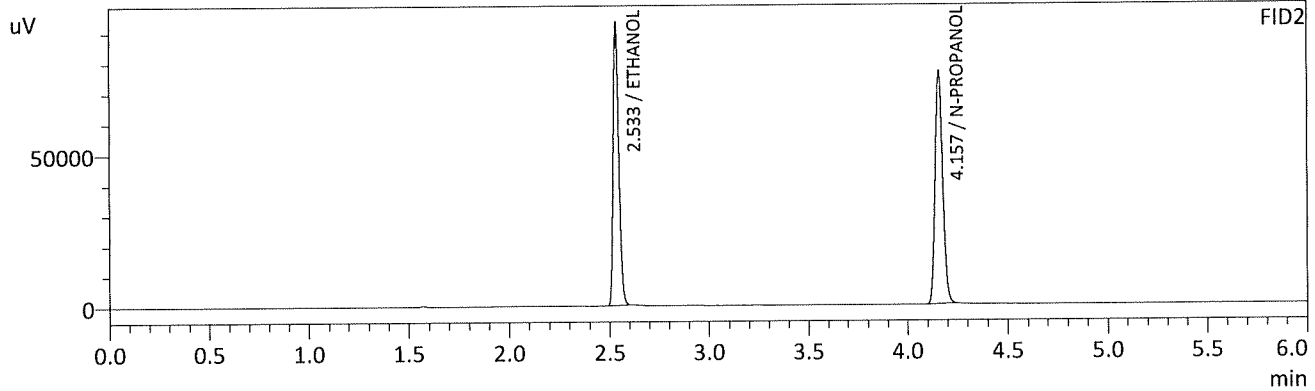
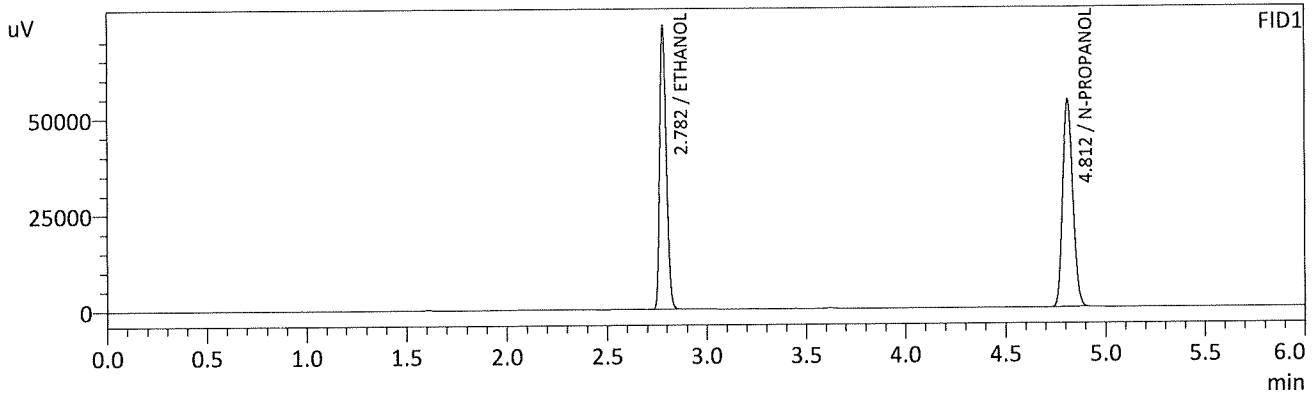
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	101537	43339
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187987	53309
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2990	g/100cc	108042	54503
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199958	75907
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_7212022\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:34:24 PM  
 Date Processed : 7/22/2022 7:28:09 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

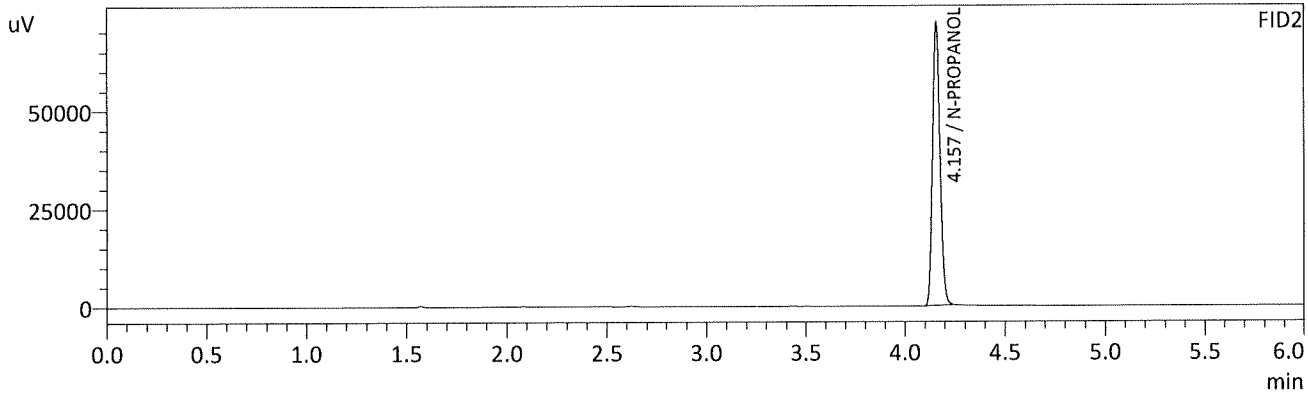
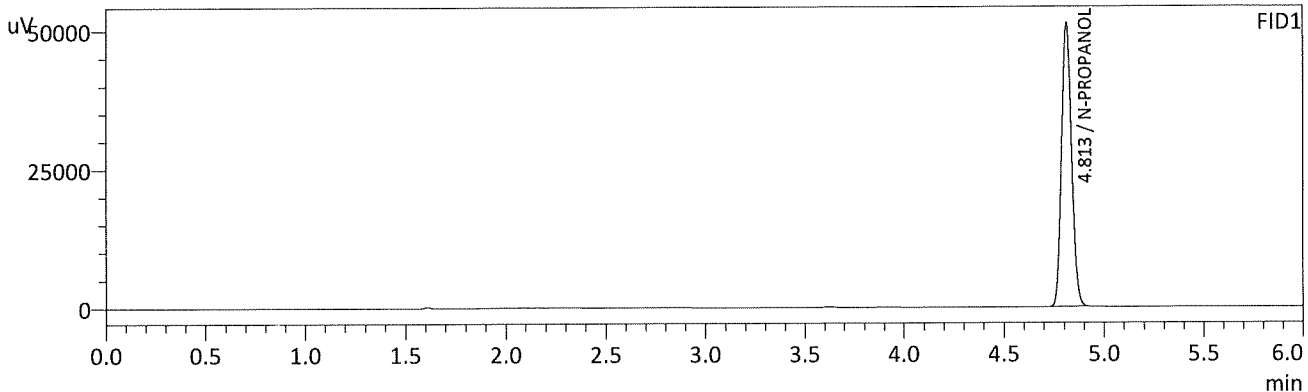
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5006	g/100cc	171235	73104
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189050	53855
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	183086	92741
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200745	76311
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_7212022\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:43:45 PM  
 Date Processed : 7/22/2022 7:28:11 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



## FID1

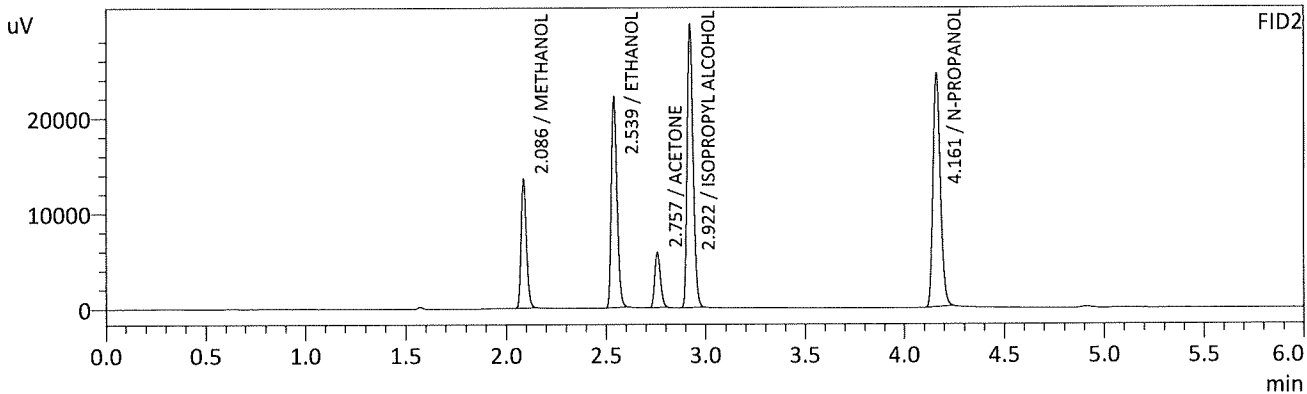
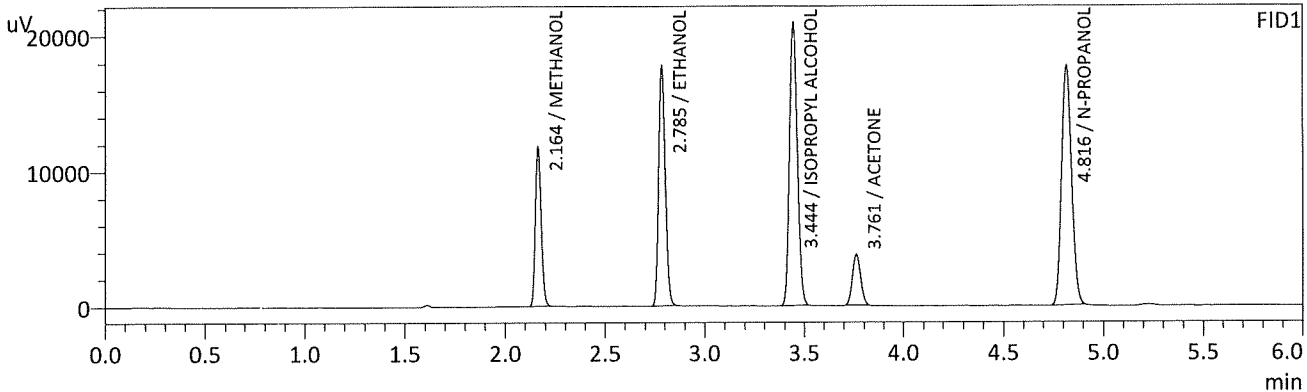
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179012	51106
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## 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	190795	72015
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_7212022\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 3:53:30 PM  
 Date Processed : 7/22/2022 7:28:12 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

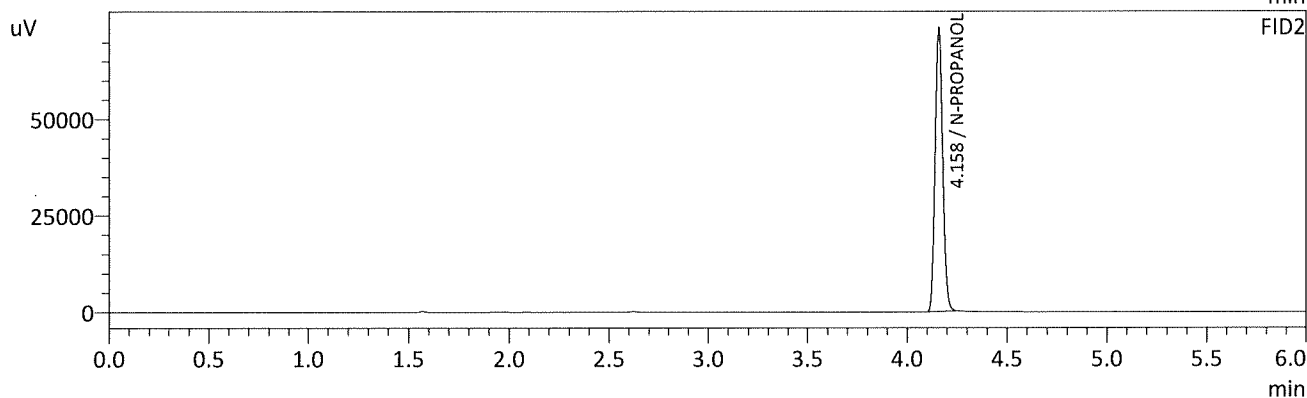
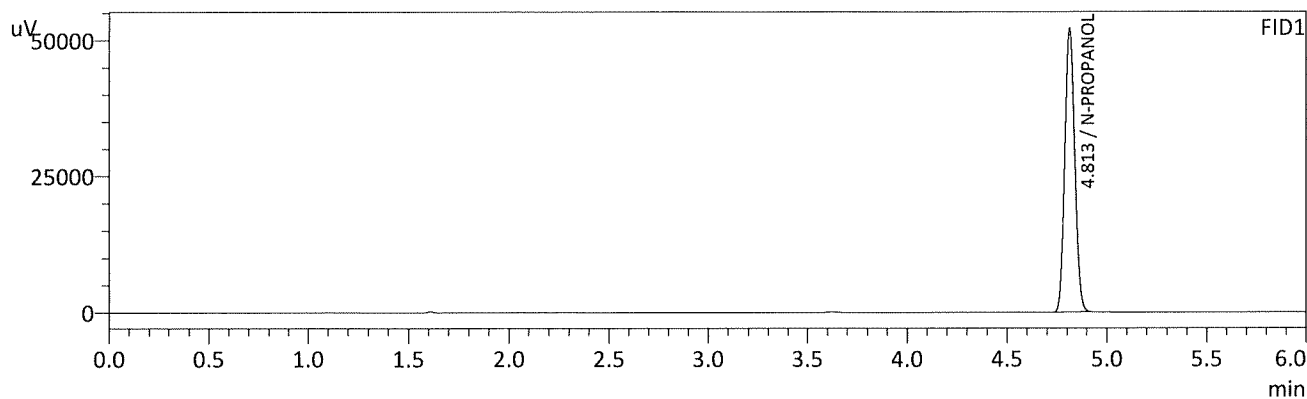
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	23742	11702
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.3669	g/100cc	40847	17695
ISOPROPYL ALCOHOL	0.0000	g/100cc	57772	20738
ACETONE	0.0000	g/100cc	10524	3711
N-PROPANOL	0.0000	g/100cc	61619	17643
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	25109	13209
ETHANOL	0.3722	g/100cc	43445	21787
ACETONE	0.0000	g/100cc	11469	5726
ISOPROPYL ALCOHOL	0.0000	g/100cc	61825	29254
N-PROPANOL	0.0000	g/100cc	64358	24445
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_7212022\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 4:03:01 PM  
 Date Processed : 7/22/2022 7:28:14 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182051	52063
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

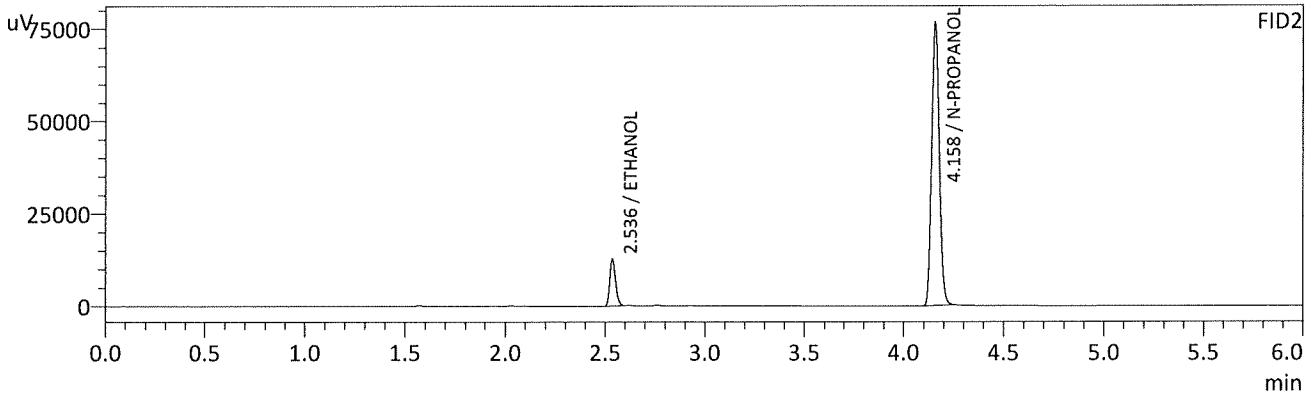
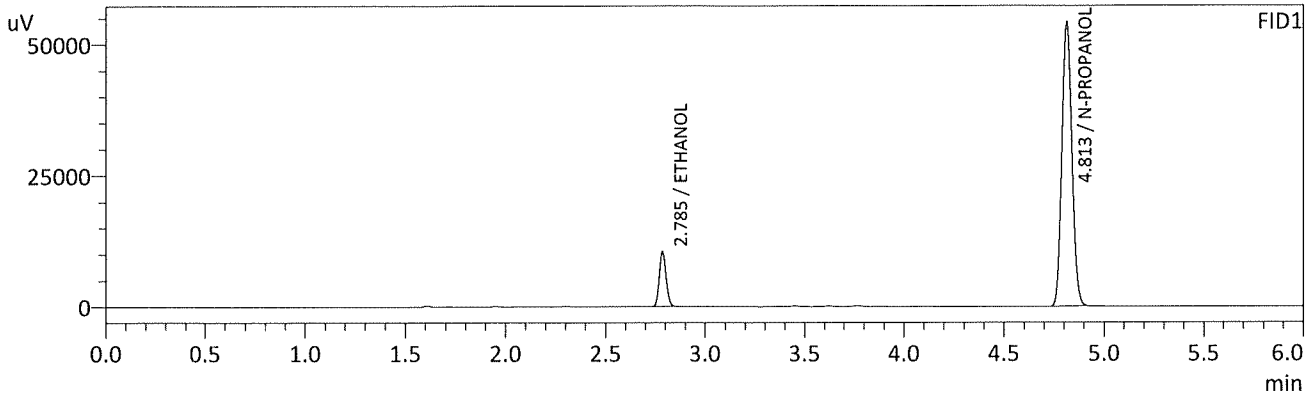
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194159	73031
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--





TS

Sample Name : QC-1-1-A  
 Vial # : 9  
 Data Filename : QC-1-1-A\_7212022\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 4:12:19 PM  
 Date Processed : 7/22/2022 7:28:15 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



## FID1

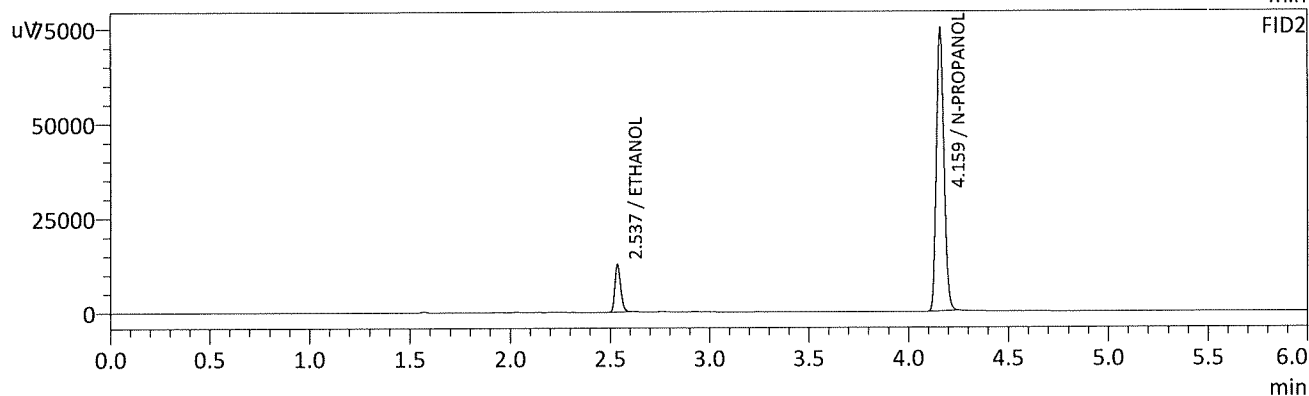
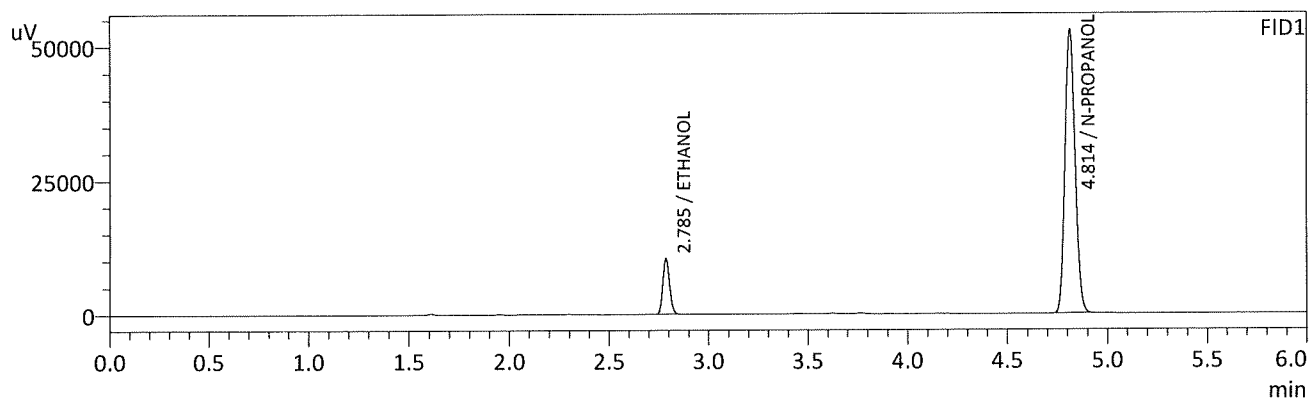
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0733	g/100cc	24497	10447
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188860	54067
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0741	g/100cc	25545	12708
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201559	75956
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-1-1-B  
 Vial # : 10  
 Data Filename : QC-1-1-B\_7212022\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 4:22:03 PM  
 Date Processed : 7/22/2022 7:28:16 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0738	g/100cc	24186	10311
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185381	52861
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	25276	12579
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197608	74373
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: 0.08 QA

Item #

Analysis Date(s): 07/21/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0831	0.0009	0.0826	0.0007	0.0830
(g/100cc)	0.0828	0.0839	0.0011	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%**

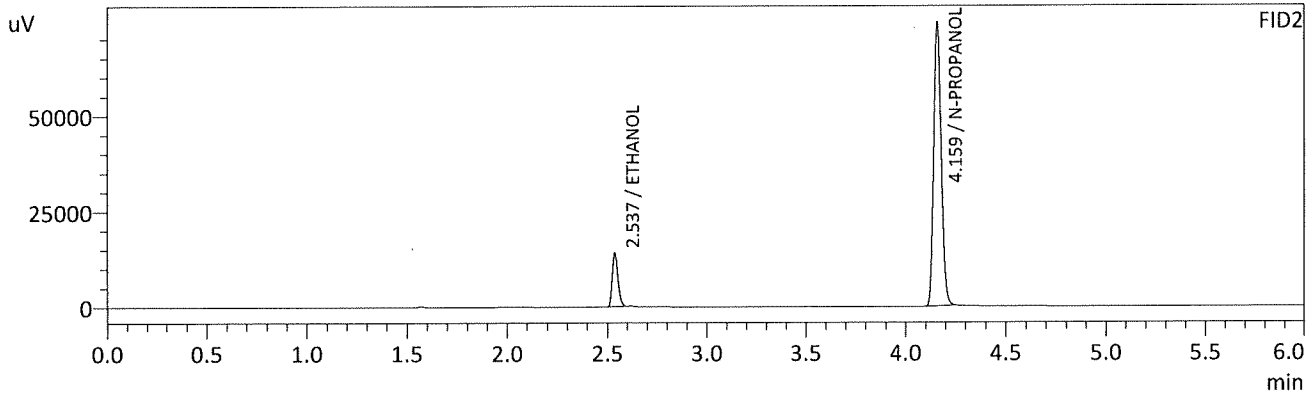
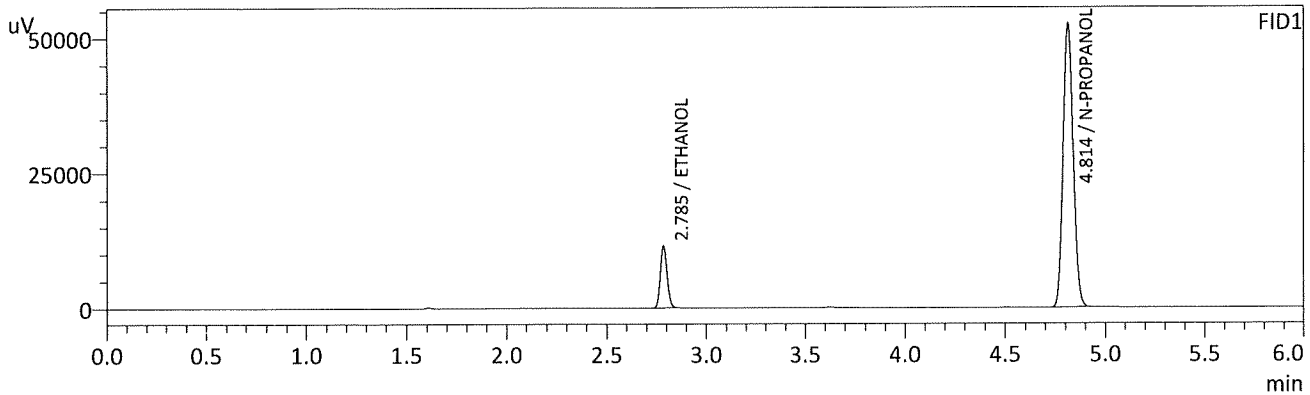
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	0.078	0.088	0.005

	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\_7212022\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 4:31:34 PM  
 Date Processed : 7/22/2022 7:28:17 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

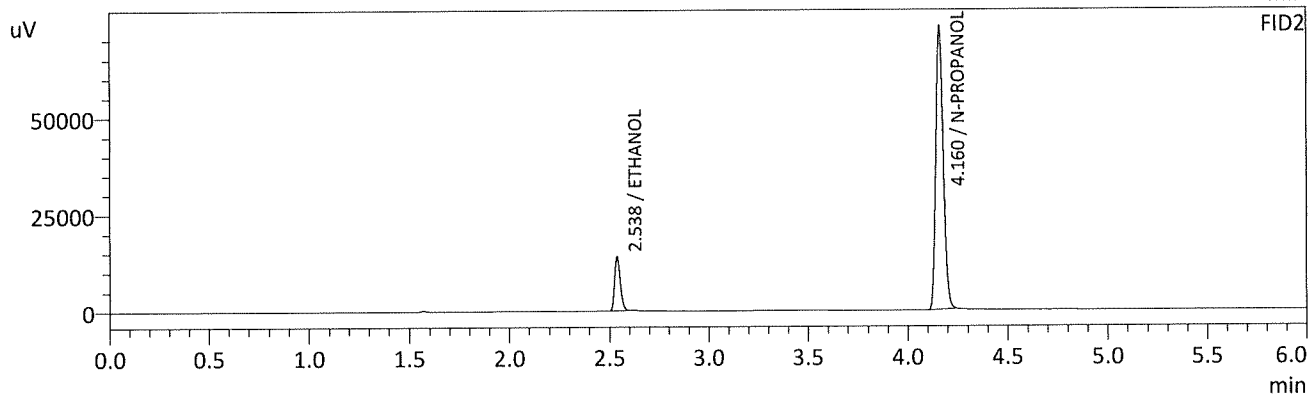
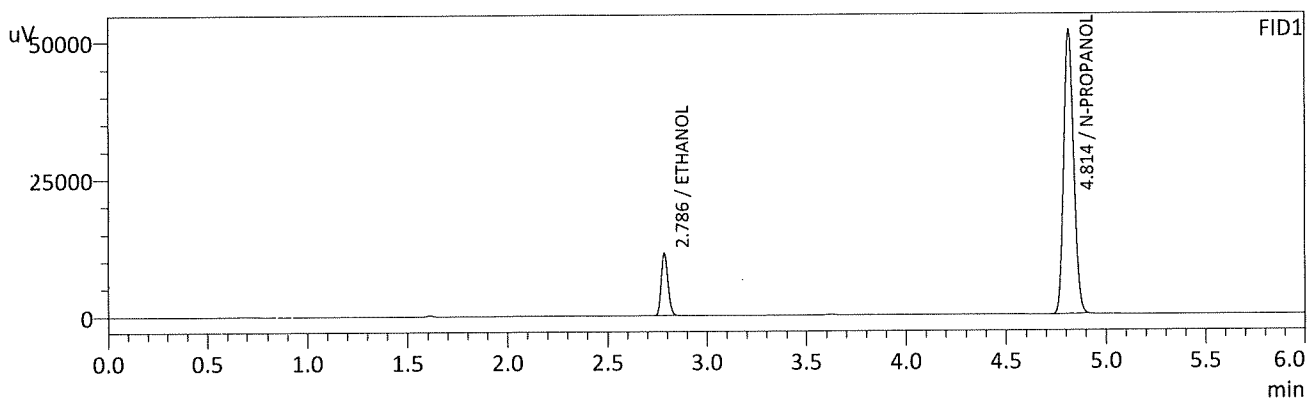
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	26783	11394
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183718	52459
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0831	g/100cc	28043	13962
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195632	73788
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_7212022\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 4:40:52 PM  
 Date Processed : 7/22/2022 7:28:19 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0828	g/100cc	26648	11300
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181412	51705
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0839	g/100cc	27933	13809
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192856	73087
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

## VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1

Item #

Analysis Date(s): 07/21/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2157	0.2166	0.0009	0.2161	0.0005	0.2163
(g/100cc)	0.2164	0.2168	0.0004	0.2166		

### 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%

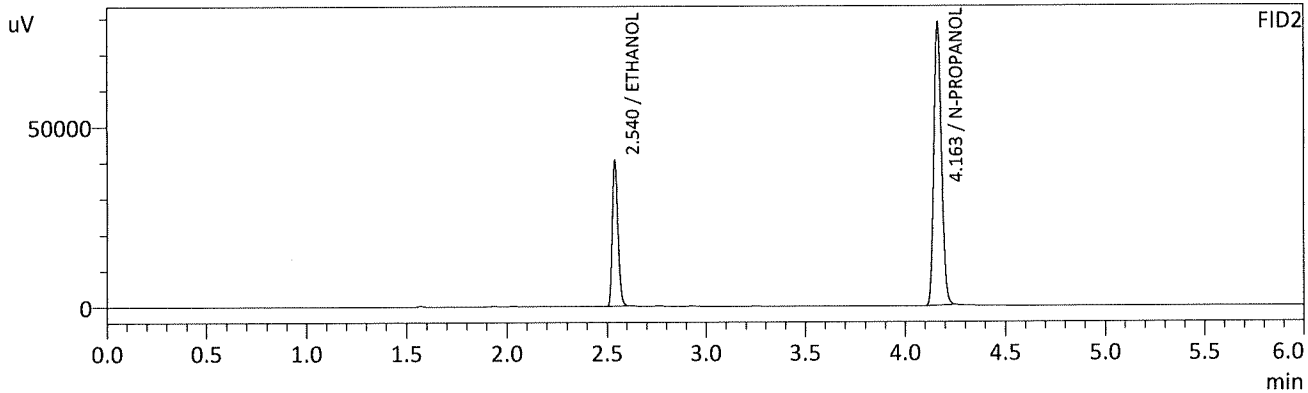
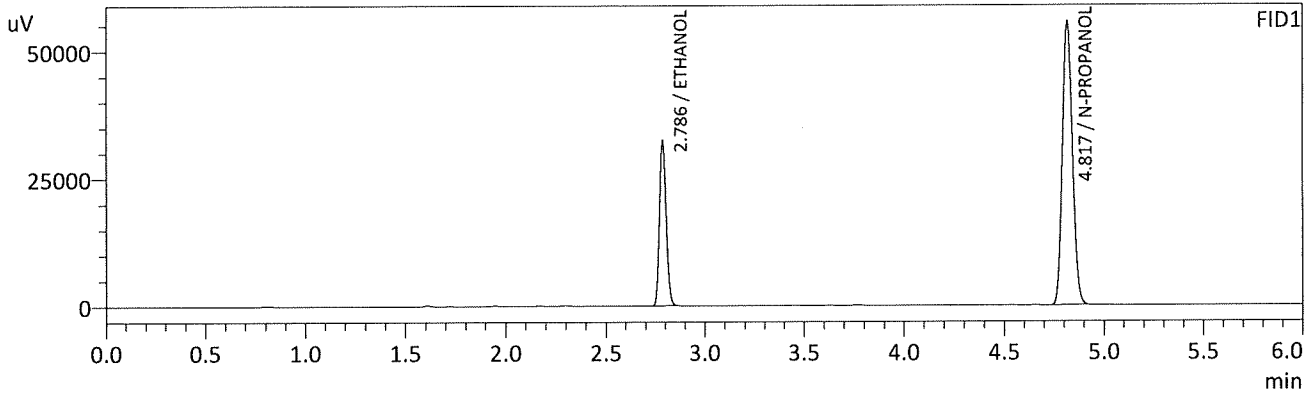
Overall Mean (g/100cc)	Low	High	5% of Mean
0.216	0.205	0.227	0.011

	Reported Result	
	0.216	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC-2-1-A  
 Vial # : 31  
 Data Filename : QC-2-1-A\_7212022\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 7:41:55 PM  
 Date Processed : 7/22/2022 7:28:42 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2157	g/100cc	75542	32108
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194526	55519
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

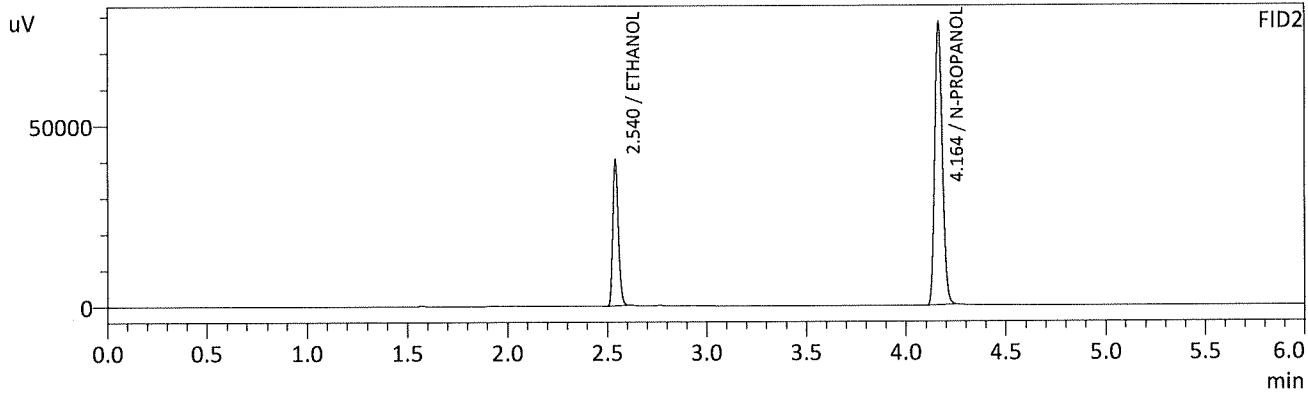
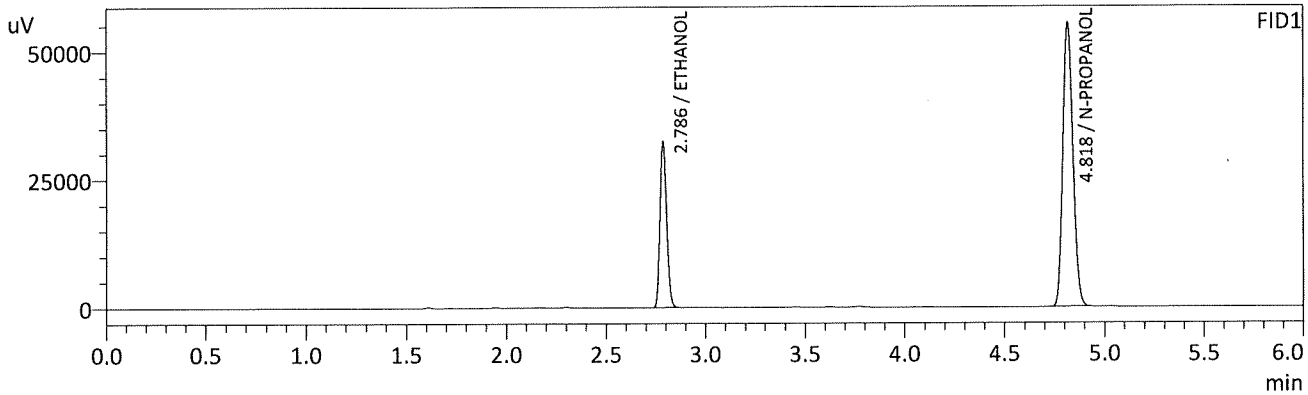
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2166	g/100cc	80417	39943
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	206859	77890
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : QC-2-1-B  
 Vial # : 32  
 Data Filename : QC-2-1-B\_7212022\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 7:51:27 PM  
 Date Processed : 7/22/2022 7:28:43 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2164	g/100cc	75621	31979
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194081	55301
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

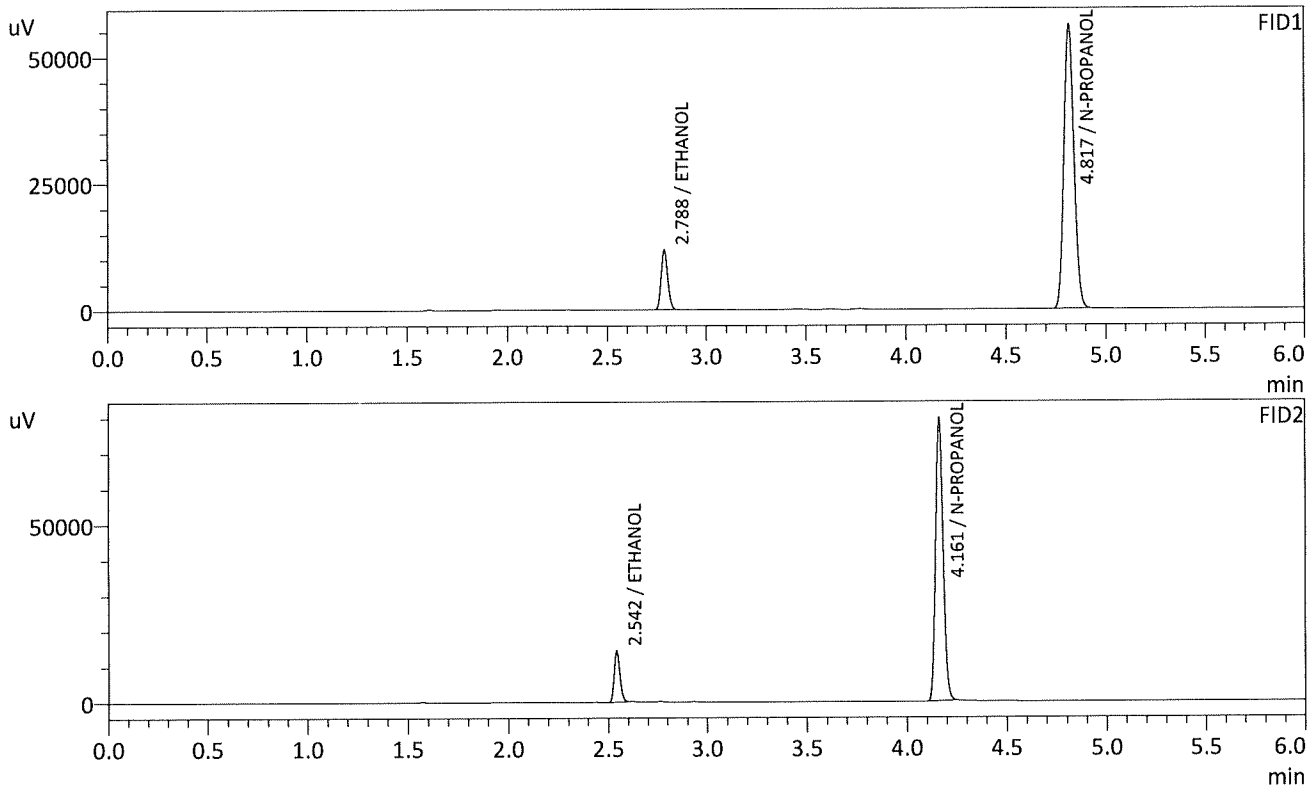
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2168	g/100cc	80327	40177
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	206393	77829
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : QC1-2-A  
 Vial # : 53  
 Data Filename : QC1-2-A\_7212022\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 11:11:20 PM  
 Date Processed : 7/22/2022 7:29:08 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

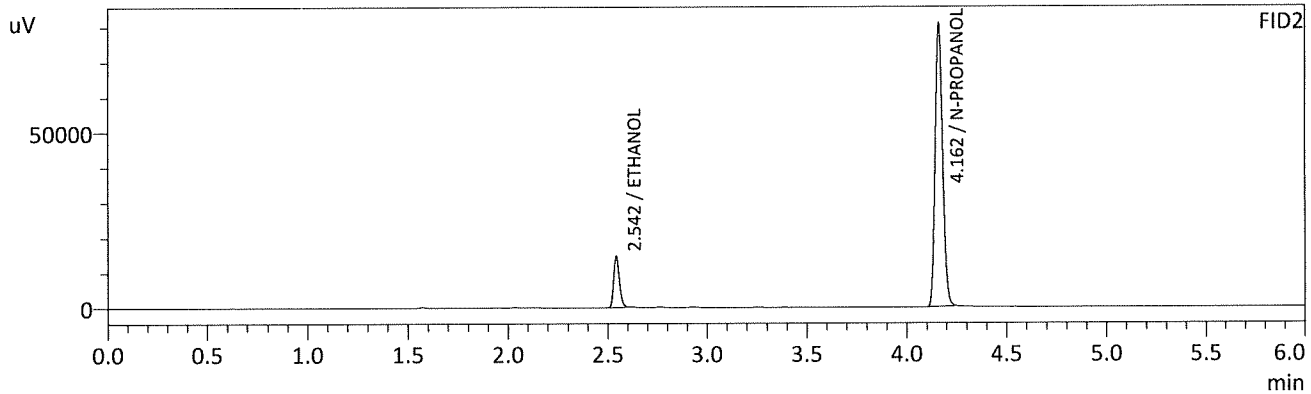
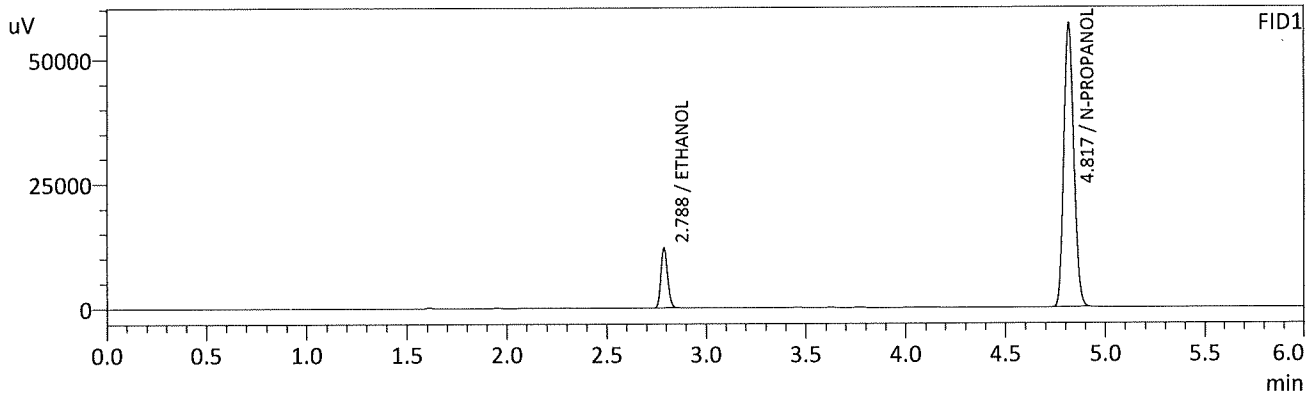
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	27425	11727
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196163	55811
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	28755	14379
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209316	79494
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B  
 Vial # : 54  
 Data Filename : QC1-2-B\_7212022\_054.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 11:20:37 PM  
 Date Processed : 7/22/2022 7:29:09 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

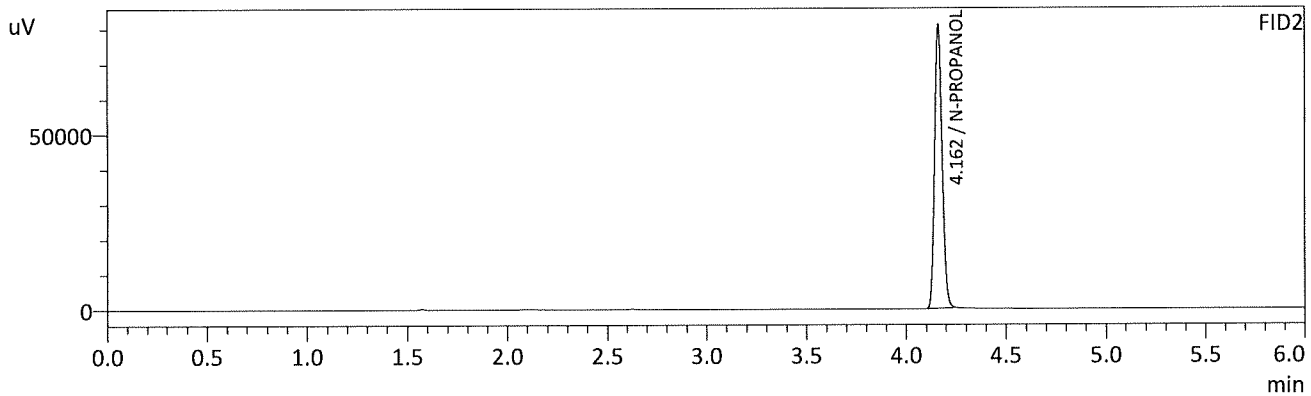
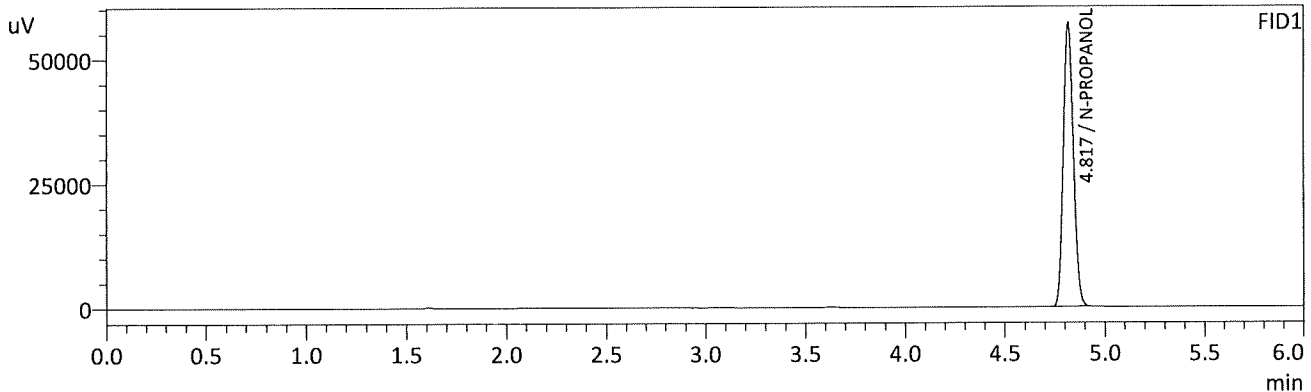
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	27939	11951
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198920	56785
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	29320	14638
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	212257	80608
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3  
 Vial # : 55  
 Data Filename : INT STD BLK 3\_7212022\_055.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 11:30:23 PM  
 Date Processed : 7/22/2022 7:29:10 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



## FID1

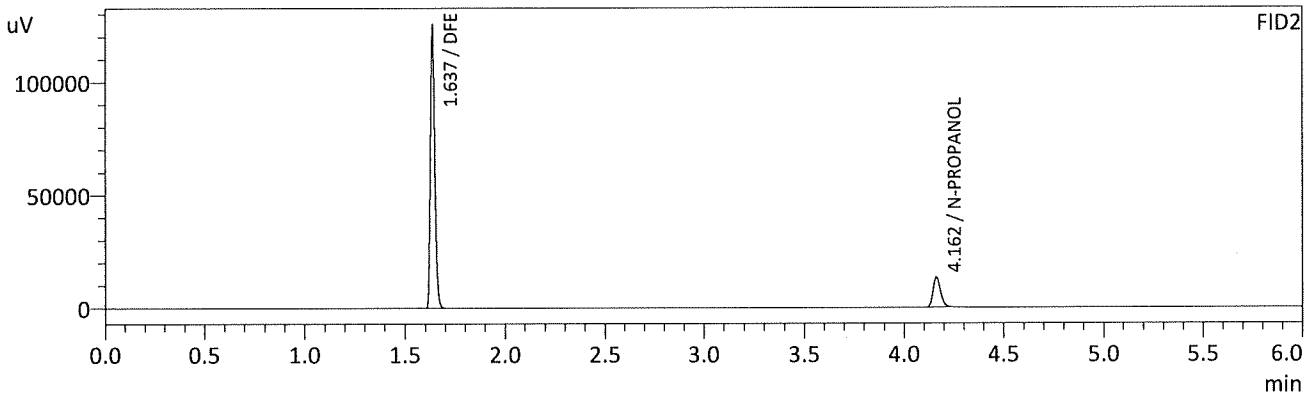
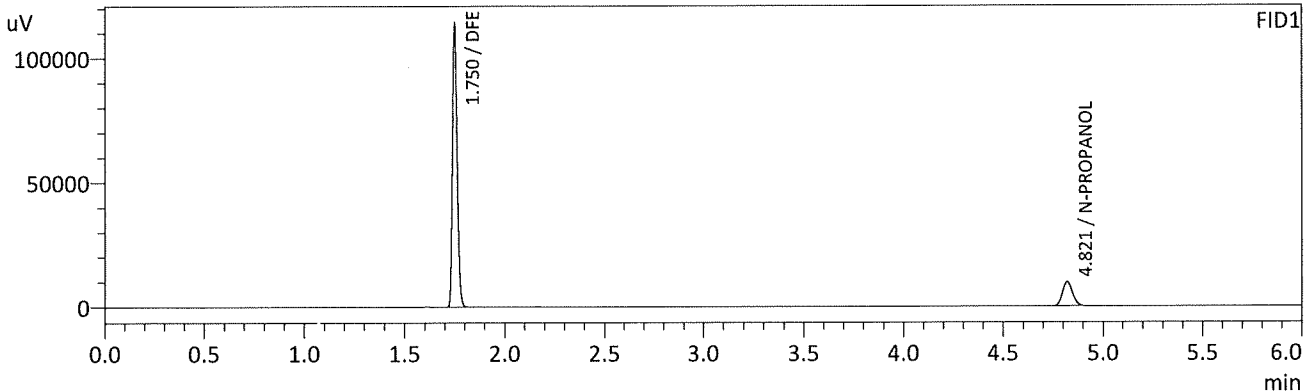
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198963	56831
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## 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	212644	80746
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : DFE  
 Vial # : 56  
 Data Filename : DFE\_7212022\_056.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 11:39:52 PM  
 Date Processed : 7/22/2022 7:29:11 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

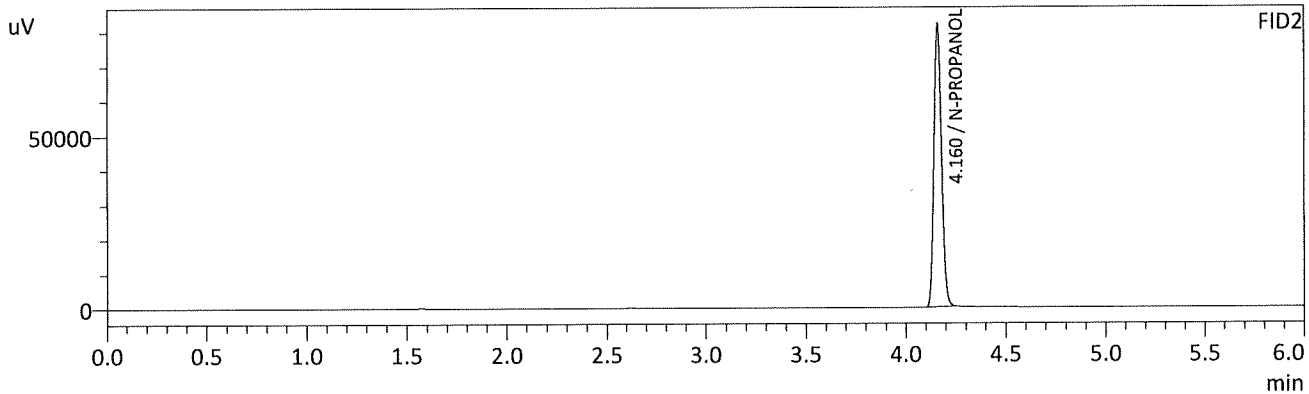
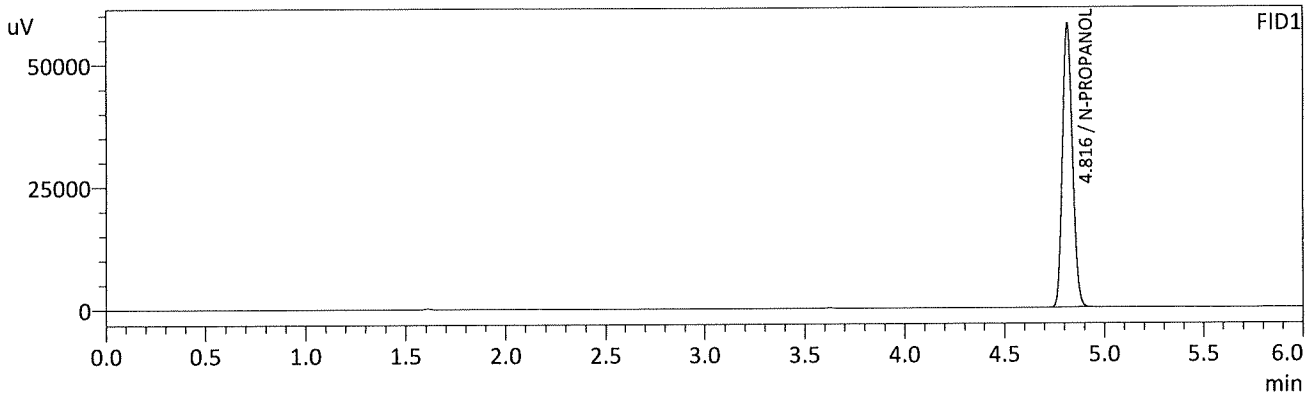
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	33505	9579
DFE	0.0000	g/100cc	185845	111479
TFE	--	g/100cc	--	--

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	34969	13212
DFE	0.0000	g/100cc	192498	124455
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 4  
 Vial # : 57  
 Data Filename : INT STD BLK 4\_7212022\_057.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 072122\_TS\_post.gcb  
 Date Acquired : 7/21/2022 11:49:11 PM  
 Date Processed : 7/22/2022 7:29:12 AM  
 C:\LabSolutions\Data\2022\7-21-22 TS\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202123	57725
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	215798	81876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

## Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 5.98

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_7212022_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_7212022_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_7212022_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_7212022_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_7212022_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_7212022_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_7212022_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_7212022_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_7212022_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_7212022_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_7212022_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_7212022_012.gcd	0
13	P2022-1794-1-A	0:Unknown	ALCOHOL.gcm	P2022-1794-1-A_7212022_013.gcd	0
14	P2022-1794-1-B	0:Unknown	ALCOHOL.gcm	P2022-1794-1-B_7212022_014.gcd	0
15	P2022-2008-1-A	0:Unknown	ALCOHOL.gcm	P2022-2008-1-A_7212022_015.gcd	0
16	P2022-2008-1-B	0:Unknown	ALCOHOL.gcm	P2022-2008-1-B_7212022_016.gcd	0
17	P2022-2010-1-A	0:Unknown	ALCOHOL.gcm	P2022-2010-1-A_7212022_017.gcd	0
18	P2022-2010-1-B	0:Unknown	ALCOHOL.gcm	P2022-2010-1-B_7212022_018.gcd	0
19	P2022-2019-1-A	0:Unknown	ALCOHOL.gcm	P2022-2019-1-A_7212022_019.gcd	0
20	P2022-2019-1-B	0:Unknown	ALCOHOL.gcm	P2022-2019-1-B_7212022_020.gcd	0
21	P2022-2025-1-A	0:Unknown	ALCOHOL.gcm	P2022-2025-1-A_7212022_021.gcd	0
22	P2022-2025-1-B	0:Unknown	ALCOHOL.gcm	P2022-2025-1-B_7212022_022.gcd	0
23	P2022-2027-1-A	0:Unknown	ALCOHOL.gcm	P2022-2027-1-A_7212022_023.gcd	0
24	P2022-2027-1-B	0:Unknown	ALCOHOL.gcm	P2022-2027-1-B_7212022_024.gcd	0
25	P2022-2028-1-A	0:Unknown	ALCOHOL.gcm	P2022-2028-1-A_7212022_025.gcd	0
26	P2022-2028-1-B	0:Unknown	ALCOHOL.gcm	P2022-2028-1-B_7212022_026.gcd	0
27	P2022-2031-1-A	0:Unknown	ALCOHOL.gcm	P2022-2031-1-A_7212022_027.gcd	0
28	P2022-2031-1-B	0:Unknown	ALCOHOL.gcm	P2022-2031-1-B_7212022_028.gcd	0
29	P2022-2059-1-A	0:Unknown	ALCOHOL.gcm	P2022-2059-1-A_7212022_029.gcd	0
30	P2022-2059-1-B	0:Unknown	ALCOHOL.gcm	P2022-2059-1-B_7212022_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_7212022_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_7212022_032.gcd	0
33	P2022-2070-1-A	0:Unknown	ALCOHOL.gcm	P2022-2070-1-A_7212022_033.gcd	0
34	P2022-2070-1-B	0:Unknown	ALCOHOL.gcm	P2022-2070-1-B_7212022_034.gcd	0
35	P2022-2071-1-A	0:Unknown	ALCOHOL.gcm	P2022-2071-1-A_7212022_035.gcd	0
36	P2022-2071-1-B	0:Unknown	ALCOHOL.gcm	P2022-2071-1-B_7212022_036.gcd	0
37	P2022-2094-1-A	0:Unknown	ALCOHOL.gcm	P2022-2094-1-A_7212022_037.gcd	0
38	P2022-2094-1-B	0:Unknown	ALCOHOL.gcm	P2022-2094-1-B_7212022_038.gcd	0
39	P2022-2095-1-A	0:Unknown	ALCOHOL.gcm	P2022-2095-1-A_7212022_039.gcd	0
40	P2022-2095-1-B	0:Unknown	ALCOHOL.gcm	P2022-2095-1-B_7212022_040.gcd	0
41	P2022-2096-1-A	0:Unknown	ALCOHOL.gcm	P2022-2096-1-A_7212022_041.gcd	0
42	P2022-2096-1-B	0:Unknown	ALCOHOL.gcm	P2022-2096-1-B_7212022_042.gcd	0
43	P2022-2097-1-A	0:Unknown	ALCOHOL.gcm	P2022-2097-1-A_7212022_043.gcd	0
44	P2022-2097-1-B	0:Unknown	ALCOHOL.gcm	P2022-2097-1-B_7212022_044.gcd	0
45	P2022-2099-1-A	0:Unknown	ALCOHOL.gcm	P2022-2099-1-A_7212022_045.gcd	0
46	P2022-2099-1-B	0:Unknown	ALCOHOL.gcm	P2022-2099-1-B_7212022_046.gcd	0
47	P2022-2115-1-A	0:Unknown	ALCOHOL.gcm	P2022-2115-1-A_7212022_047.gcd	0
48	P2022-2115-1-B	0:Unknown	ALCOHOL.gcm	P2022-2115-1-B_7212022_048.gcd	0
49	P2022-2123-1-A	0:Unknown	ALCOHOL.gcm	P2022-2123-1-A_7212022_049.gcd	0
50	P2022-2123-1-B	0:Unknown	ALCOHOL.gcm	P2022-2123-1-B_7212022_050.gcd	0
51	P2022-2145-1-A	0:Unknown	ALCOHOL.gcm	P2022-2145-1-A_7212022_051.gcd	0
52	P2022-2145-1-B	0:Unknown	ALCOHOL.gcm	P2022-2145-1-B_7212022_052.gcd	0



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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_7212022_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_7212022_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_7212022_055.gcd	0
56	DFE	0:Unknown	ALCOHOL.gcm	DFE_7212022_056.gcd	0
57	INT STD BLK 4	0:Unknown	ALCOHOL.gcm	INT STD BLK 4_7212022_057.gcd	0