

Worklist: 6104

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
P2022-2732	1	BCK	Alcohol Analysis	
P2022-2781	1	BCK	BATS Proficiency Test	
P2022-2781	2	BCK	BATS Proficiency Test	
P2022-2781	3	BCK	BATS Proficiency Test	
P2022-2781	4	BCK	BATS Proficiency Test	
P2022-2809	1	BCK	Alcohol Analysis	
P2022-2816	1	BCK	Alcohol Analysis	
P2022-2817	1	BCK	Alcohol Analysis	
P2022-2819	1	BCK	Alcohol Analysis	
P2022-2829	1	BCK	Alcohol Analysis	
P2022-2835	1	BCK	Alcohol Analysis	
P2022-2836	1	BCK	Alcohol Analysis	
P2022-2857	1	BCK	Alcohol Analysis	
P2022-2858	1	BCK	Alcohol Analysis	
P2022-2860	1	BCK	Alcohol Analysis	
P2022-2873	1	BCK	Alcohol Analysis	
P2022-2875	1	BCK	Alcohol Analysis	
P2022-2882	1	BCK	Alcohol Analysis	
P2022-2883	1	BCK	Alcohol Analysis	
P2022-2883	2	BCK	Alcohol Analysis	
P2022-2885	1	BCK	Alcohol Analysis	

← Analyzing Tube B in another batch. RC 9-21-22

REVIEWED

By Jeremy Johnston at 9:30 am, Sep 26, 2022

RC

Worklist: 6104

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2022-2886	1	BCK	Alcohol Analysis
P2022-2895	1	BCK	Alcohol Analysis



WRC

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): 9/20/22

Calibration Date: (if different)

Worklist #: 6104

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0736 g/100cc 0.0812 g/100cc 0.0819 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2156 g/100cc g/100cc g/100cc
Multi-Component mixture:			Exp: 2024 October	Lot # FN06041902	OK
Curve Fit:			Column 1	0.99998	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

SKC

Internal Standard Monitoring Worksheet

Worksheet #: 6104 **Run Date(s):** 9/20/22

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

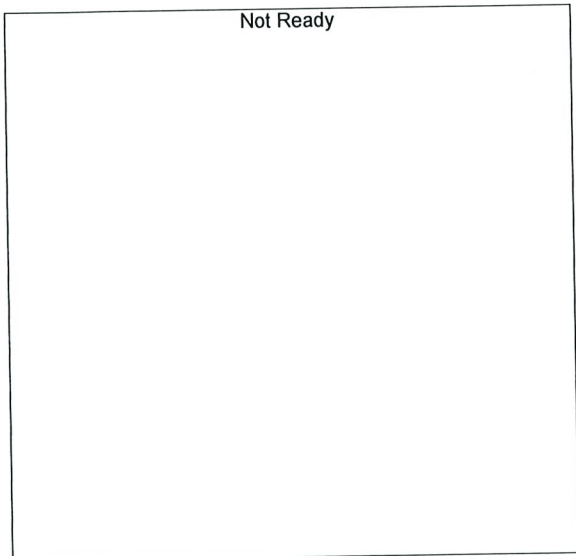
Sample Name	Column 1 Value	Column 2 Value
0.080	159815	167794
0.080	160578	168550
QC1	162949	171153
QC1	161200	169586
QC1	169672	178199
QC1	164015	172246
QC1	176110	185114
QC1	175732	184632
QC2	158325	165717
QC2	158352	165344
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1	131739.8	197609.8
Column 2	138266.8	207400.2

Calibration Table

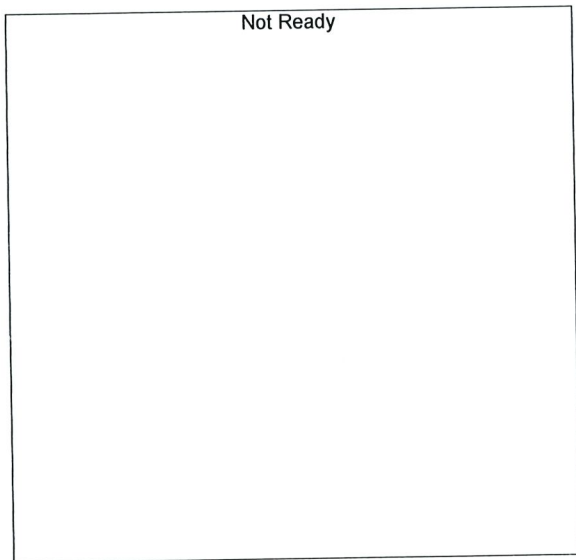
Laboratory: Pocatello
 Instrument Name : GC2030-HS20

```
<<Data File>>
Method File      :C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm
Batch File       :C:\LabSolutions\Data\2022\9-20-22 RC\9-20-22 POST RUN CURVE.gcb
Date Acquired    :9/20/2022 1:42:01 PM
Date Created     :9/20/2022 1:38:39 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

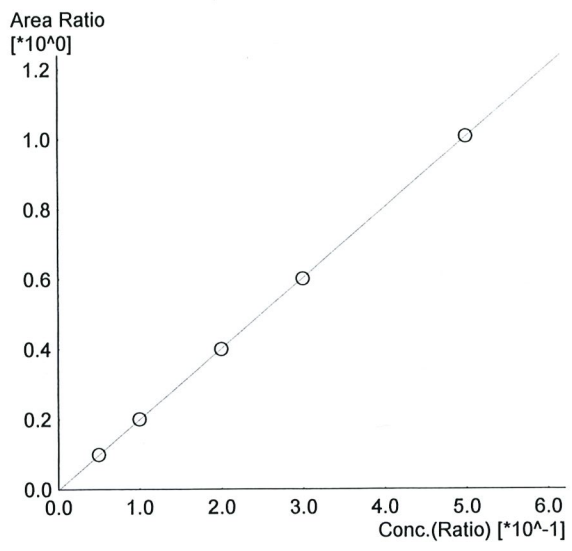
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

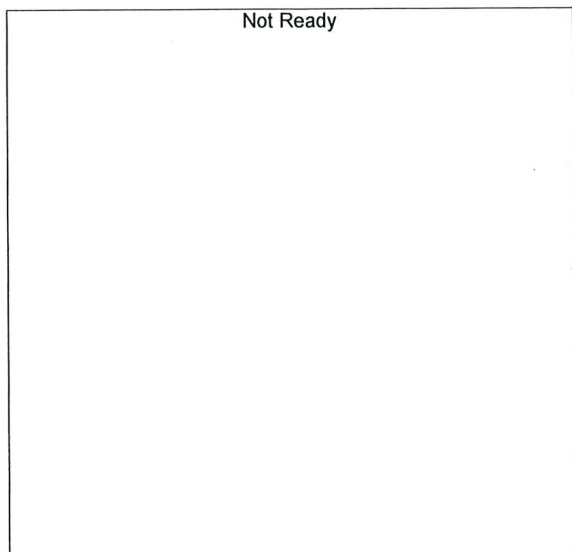
#	Conc.	Area	Std. Conc.	Data File Name
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JK



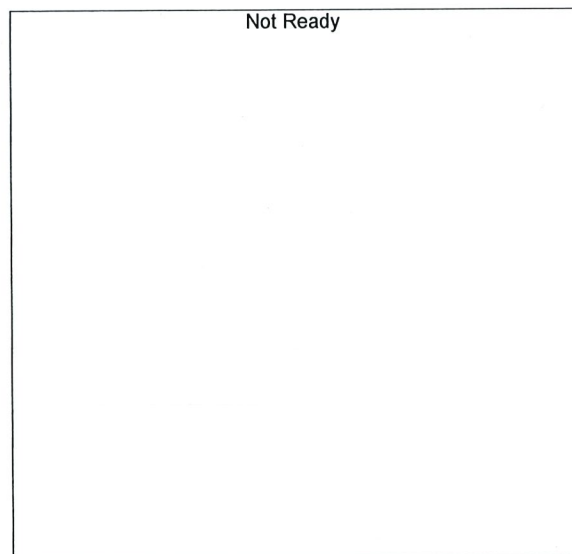
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.01415*x-0.00237430$
 R² value= 0.9999841
 FitType: Linear
 ZeroThrough: Not Through

#	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 : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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

Not Ready

Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² 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 : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

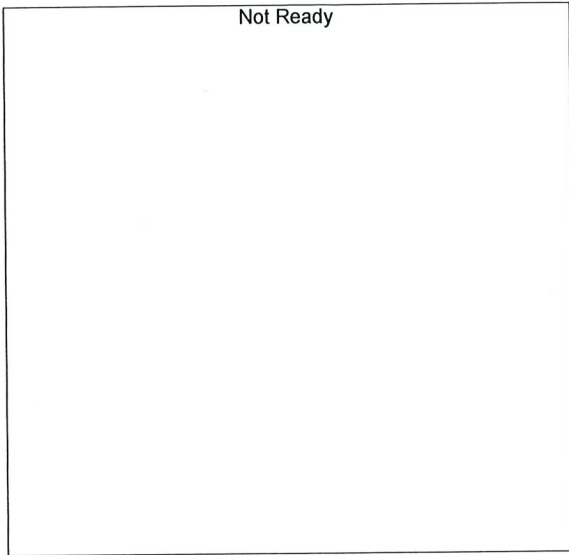
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

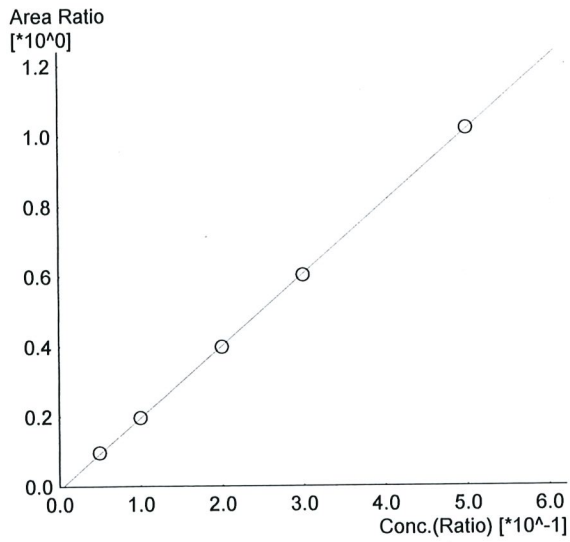
#	Conc.	Area	Std. Conc.	Data File Name
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RC



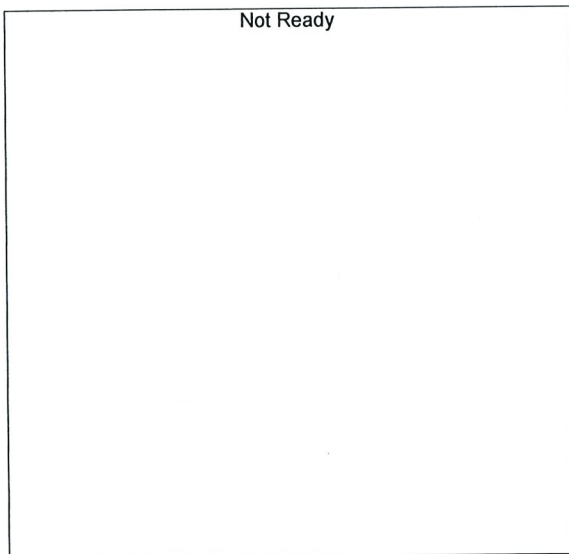
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.05560*x-0.00975710$
 R² value= 0.9999298
 FitType: Linear
 ZeroThrough: Not Through

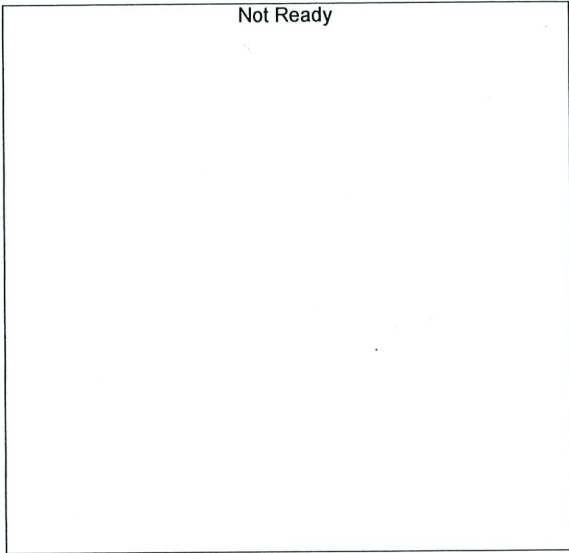
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15951	0.0515	0.050_9202022_001.gcd
2	0.100	32964	0.1001	0.100_9202022_002.gcd
3	0.200	67642	0.1986	0.200_9202022_003.gcd
4	0.300	102793	0.2983	0.300_9202022_004.gcd
5	0.500	173575	0.5013	0.500_9202022_005.gcd



Name : ACETONE
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

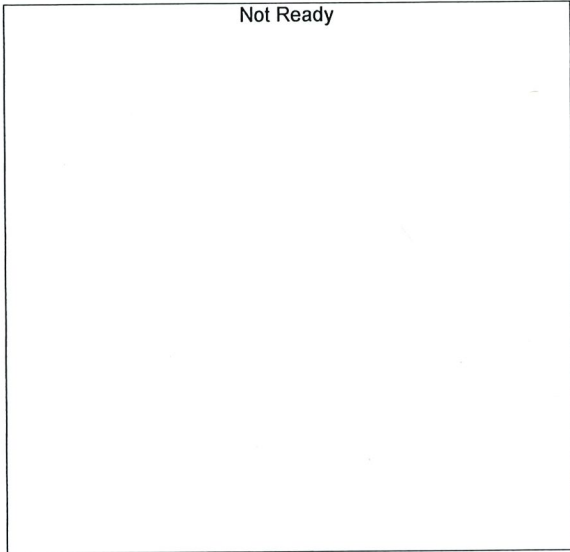
#	Conc.	Area	Std. Conc.	Data File Name
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Handwritten initials 'JC'



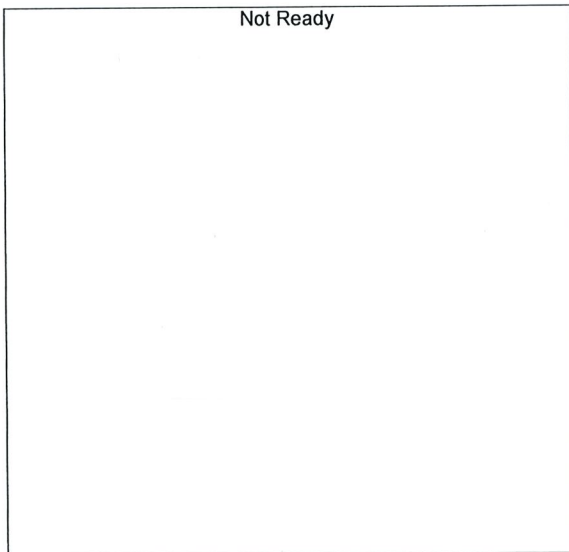
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.	Data File Name
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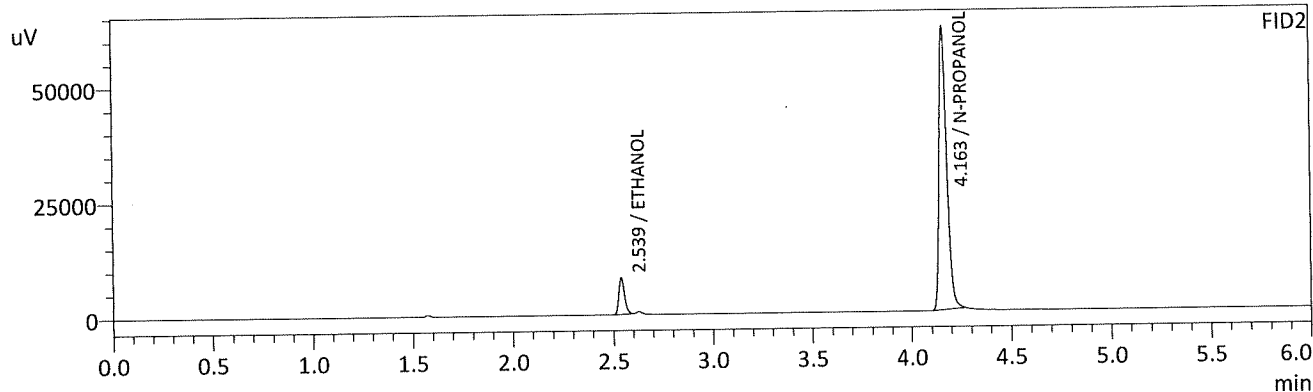
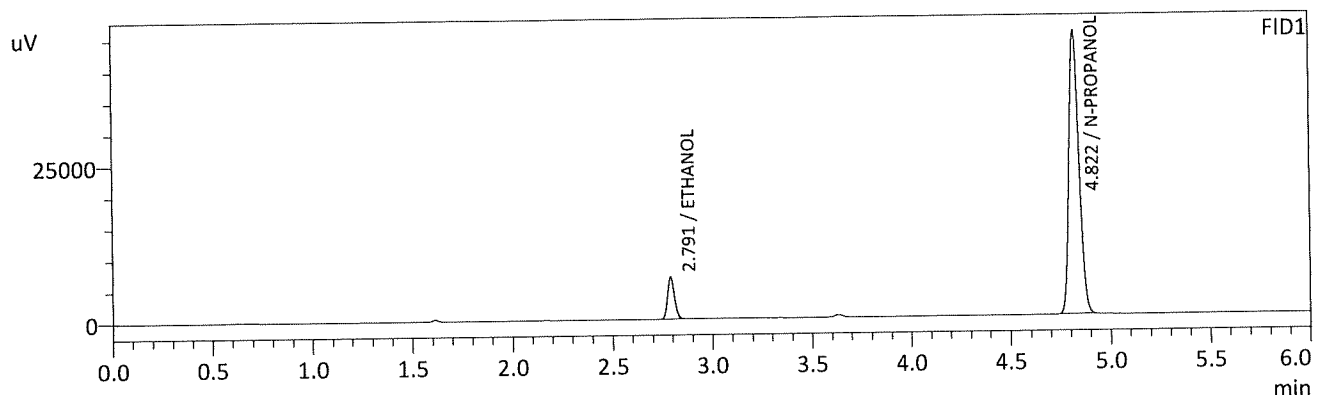


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

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

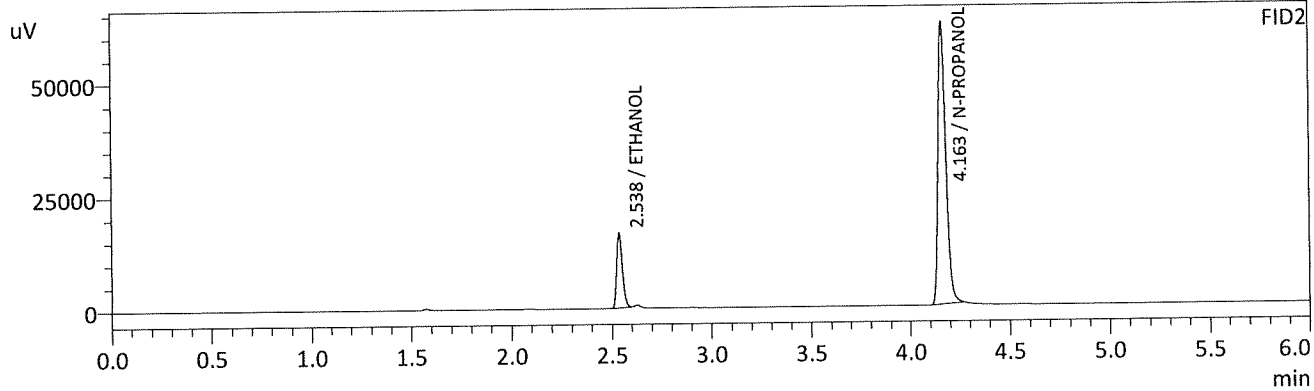
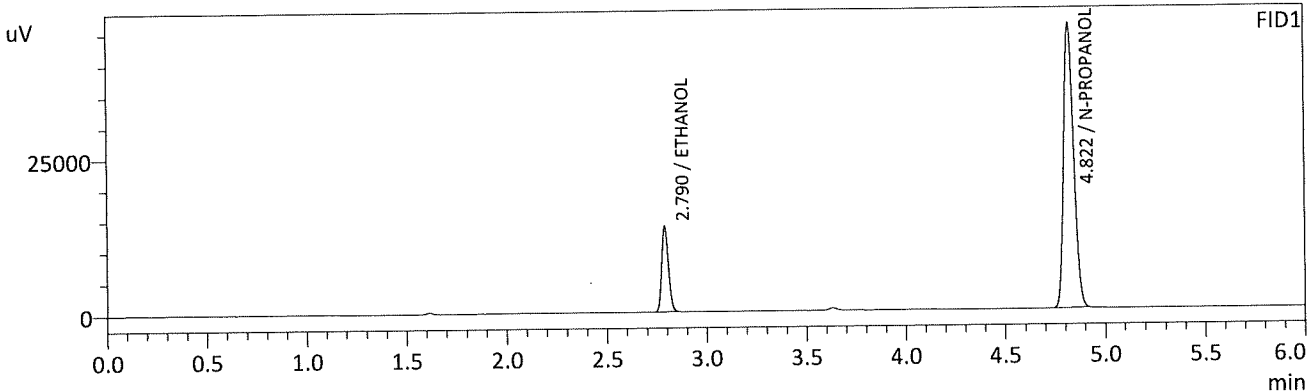
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15724	6644
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158530	45012
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

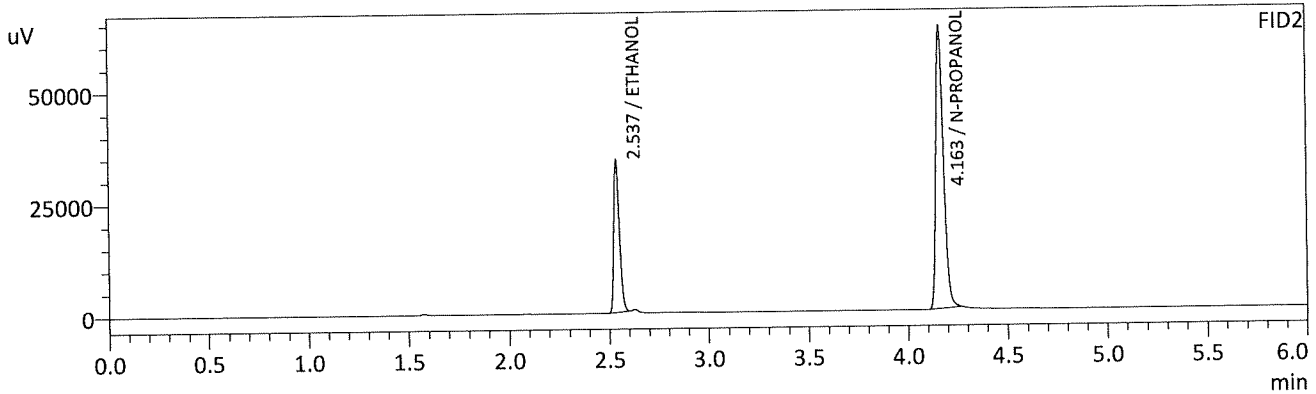
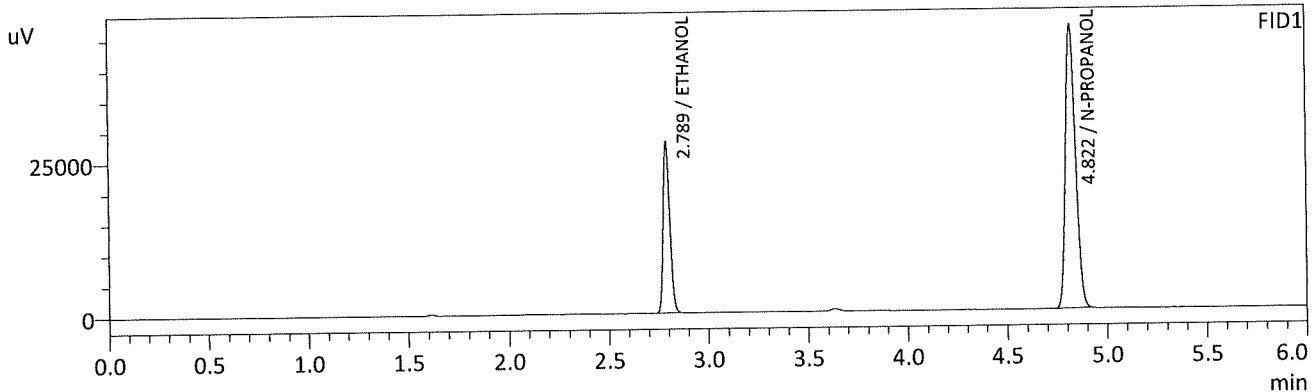
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	31964	13688
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159963	45526
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	--	--

CR

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

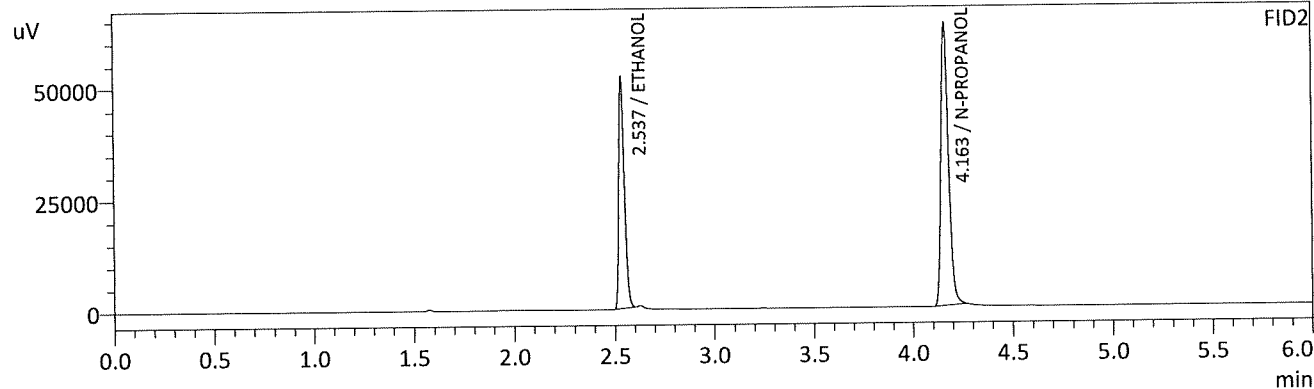
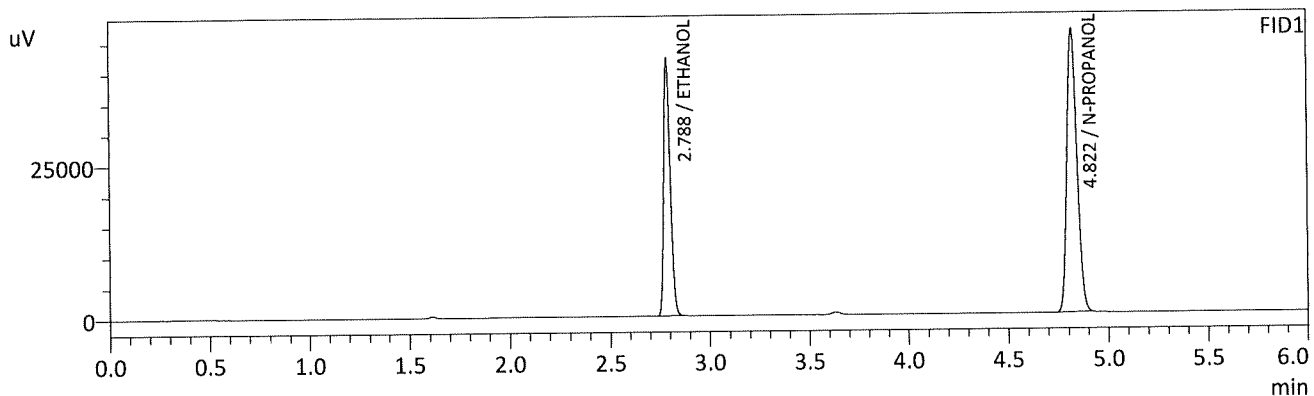
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1995	g/100cc	64606	27767
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161726	46052
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

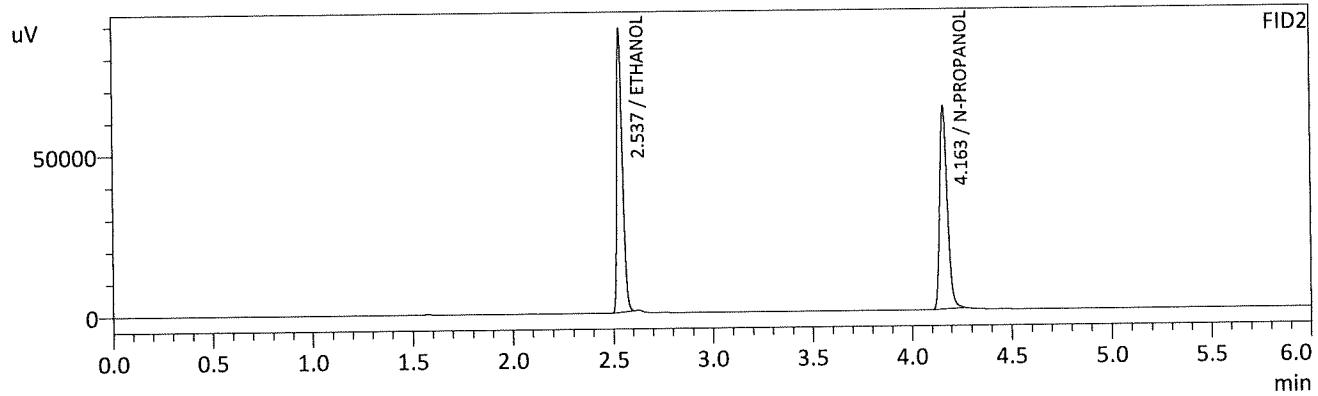
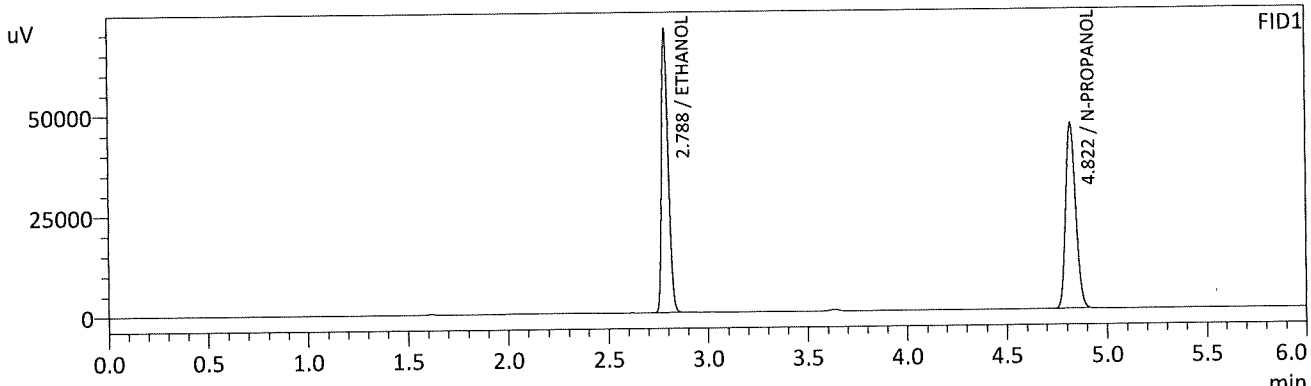
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2989	g/100cc	97435	41965
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162432	46190
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

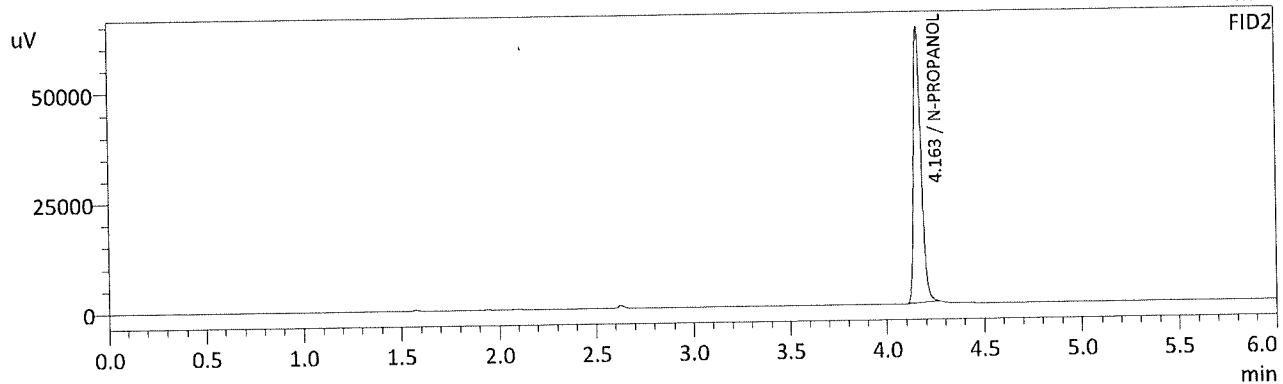
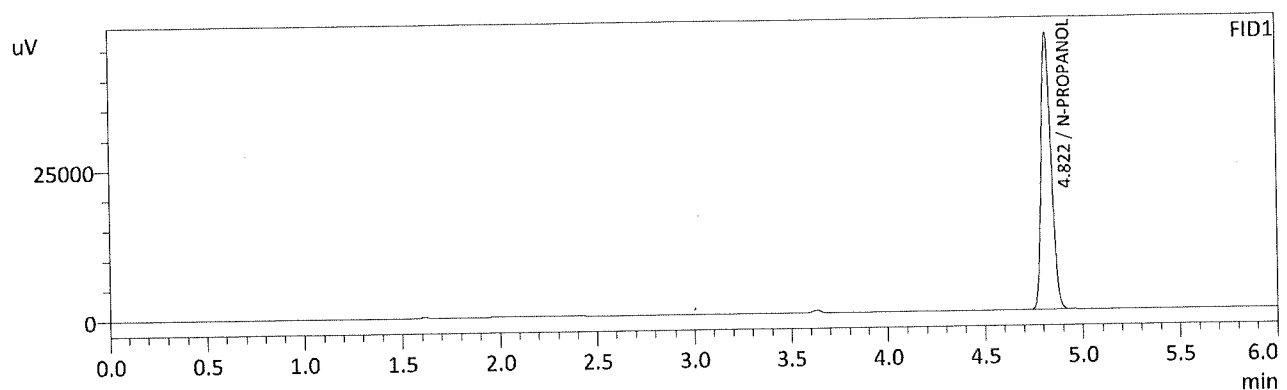
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5006	g/100cc	163257	70419
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162273	46025
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	--	--

XC

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

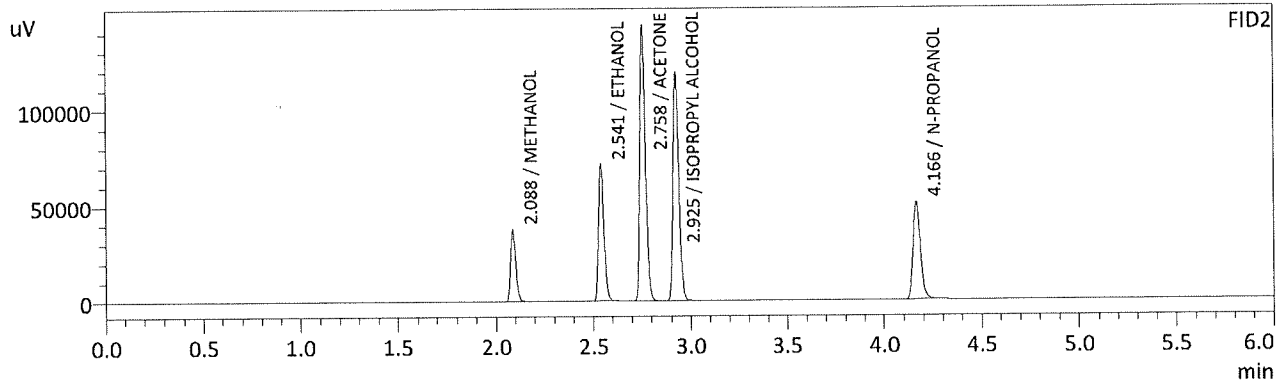
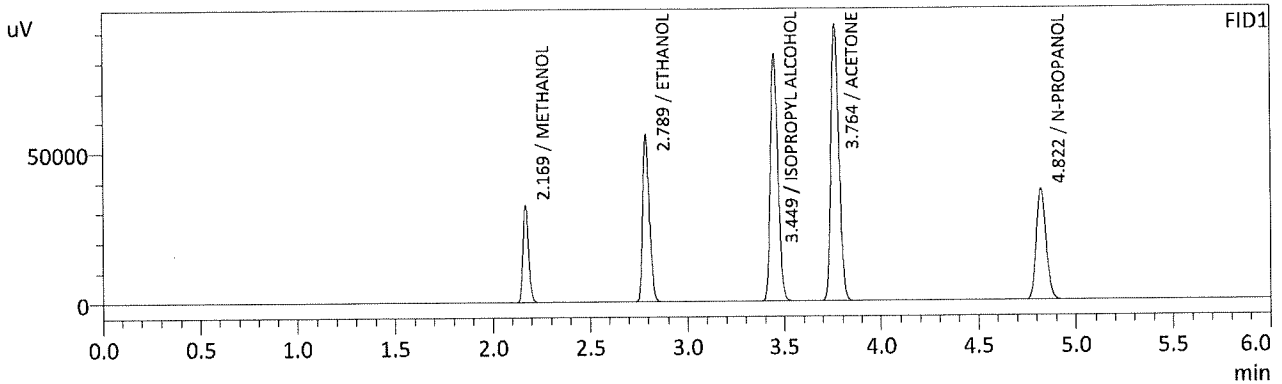
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160800	45870
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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 : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_9202022_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:01:04 PM
 Date Processed : 9/20/2022 2:07:05 PM
 C:\LabSolutions\Data\2022\9-20-22 RC\ALCOHOL.gcm



FID1

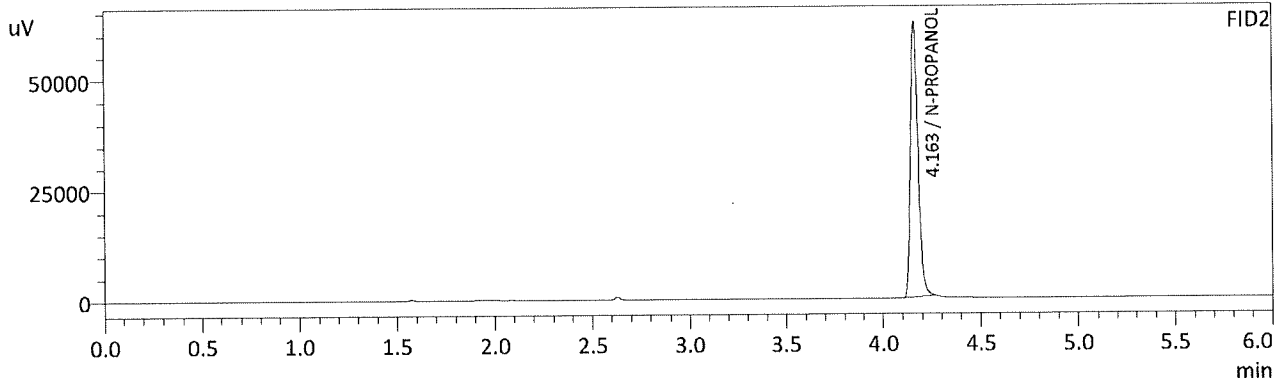
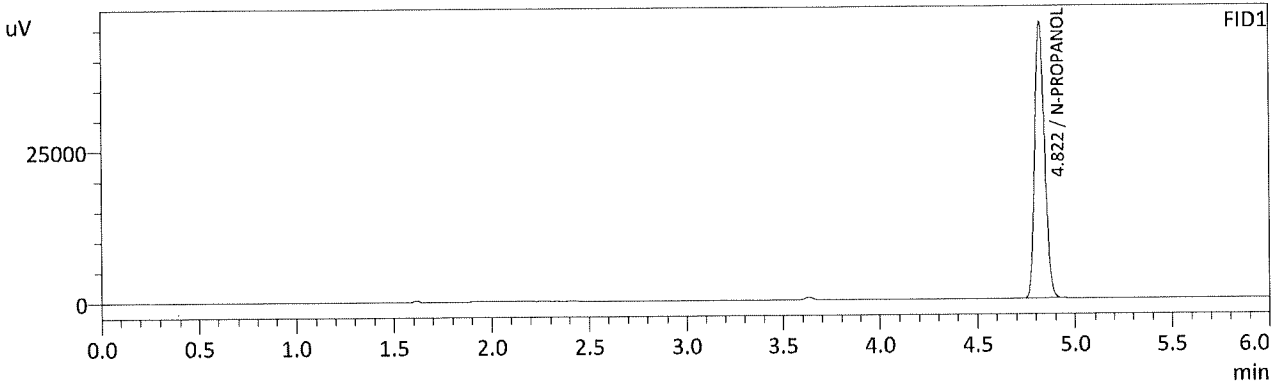
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	64512	32167
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4953	g/100cc	127497	55648
ISOPROPYL ALCOHOL	0.0000	g/100cc	226377	81671
ACETONE	0.0000	g/100cc	261346	91927
N-PROPANOL	0.0000	g/100cc	128102	36813
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	68971	37366
ETHANOL	0.5047	g/100cc	138268	70965
ACETONE	0.0000	g/100cc	284532	142669
ISOPROPYL ALCOHOL	0.0000	g/100cc	245745	118928
N-PROPANOL	0.0000	g/100cc	134531	50685
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_9202022_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:10:36 PM
 Date Processed : 9/20/2022 2:16:36 PM
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FID1

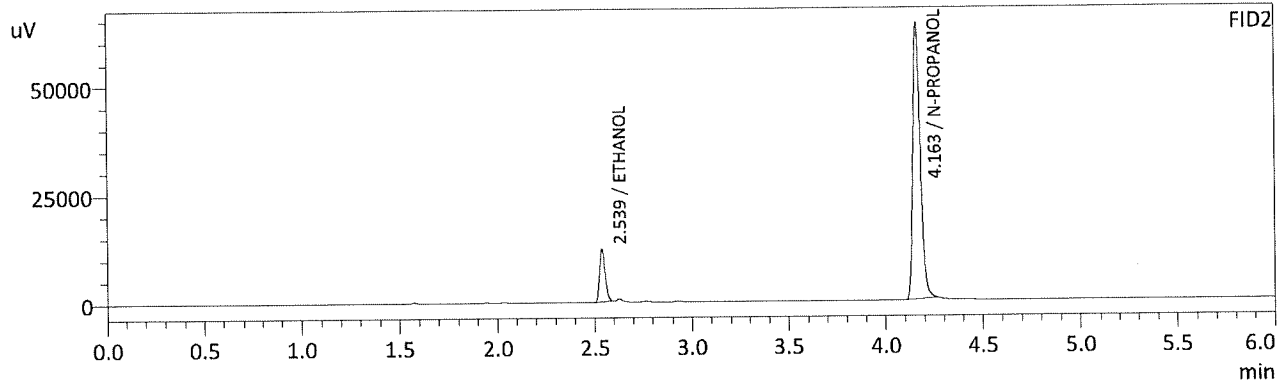
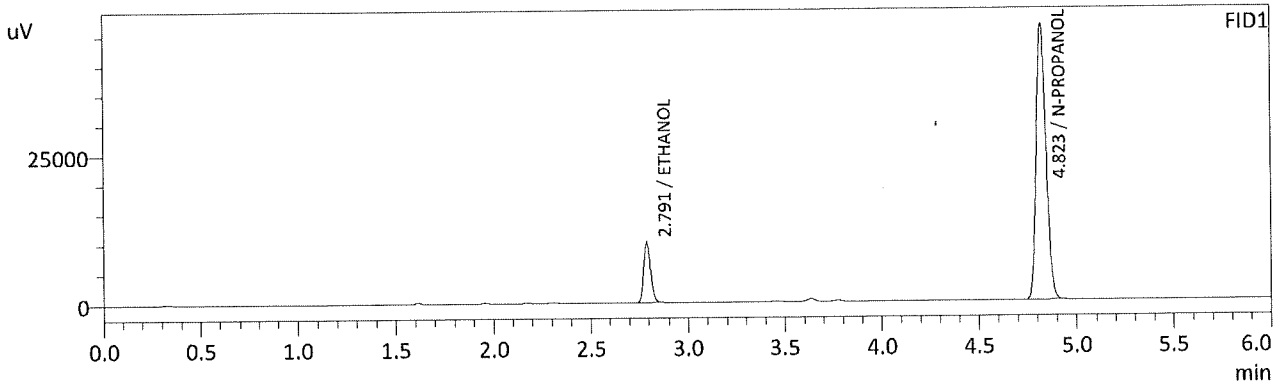
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159939	45613
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	168105	61706
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-A
 Vial # : 9
 Data Filename : QC1-1-A_9202022_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:19:52 PM
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FID1

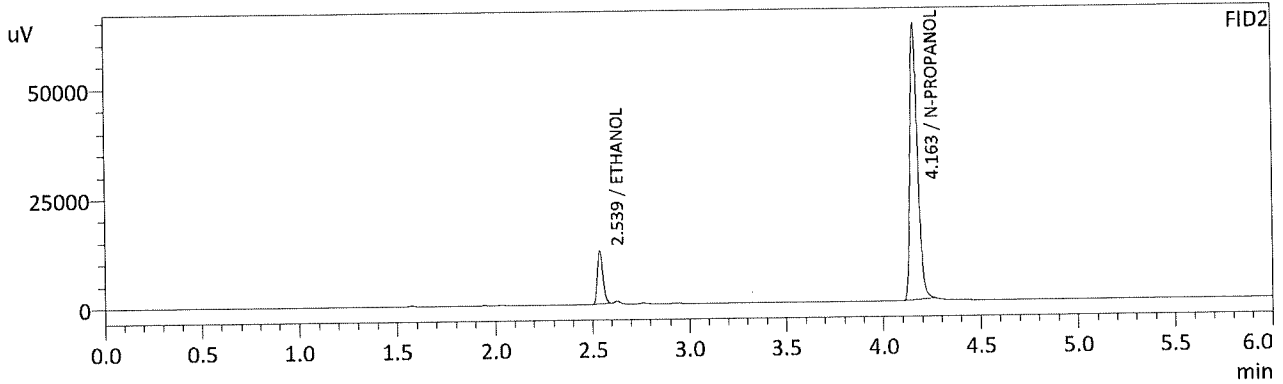
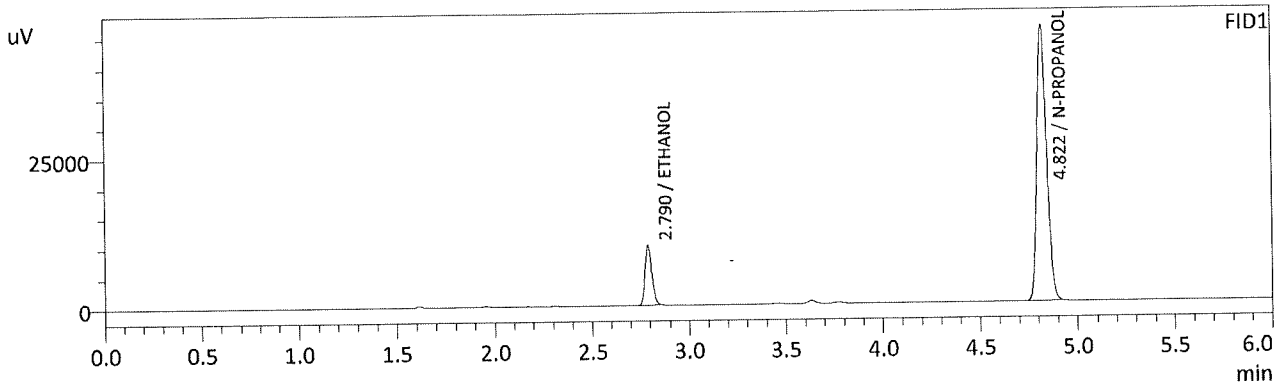
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0732	g/100cc	23664	10073
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162949	46299
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0739	g/100cc	24349	11955
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171153	63030
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_9202022_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:29:37 PM
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FID1

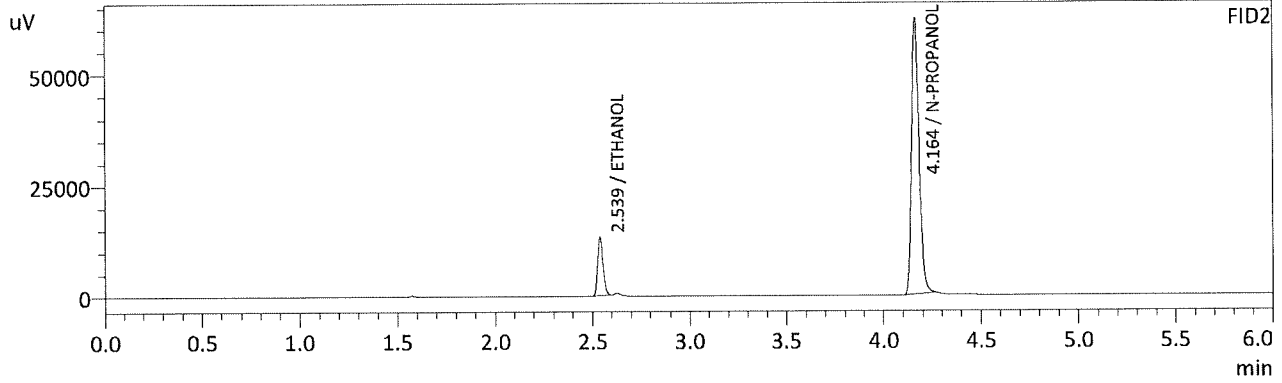
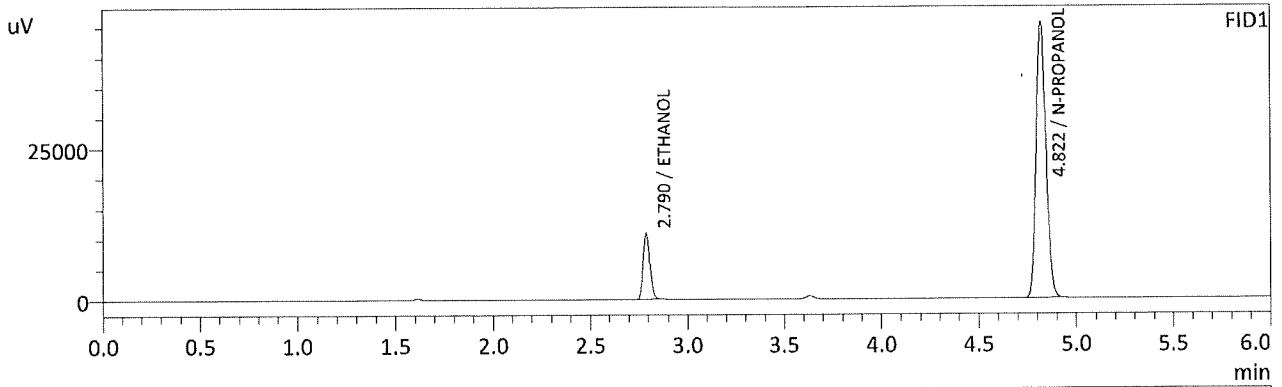
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0735	g/100cc	23492	10010
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161200	45892
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0740	g/100cc	24164	11896
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169586	62432
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_9202022_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:39:08 PM
 Date Processed : 9/20/2022 2:45:09 PM
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FID1

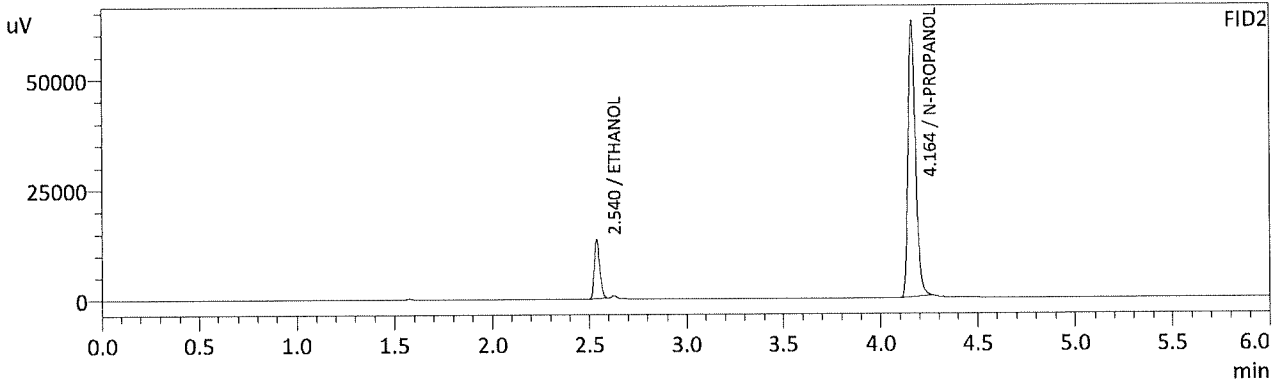
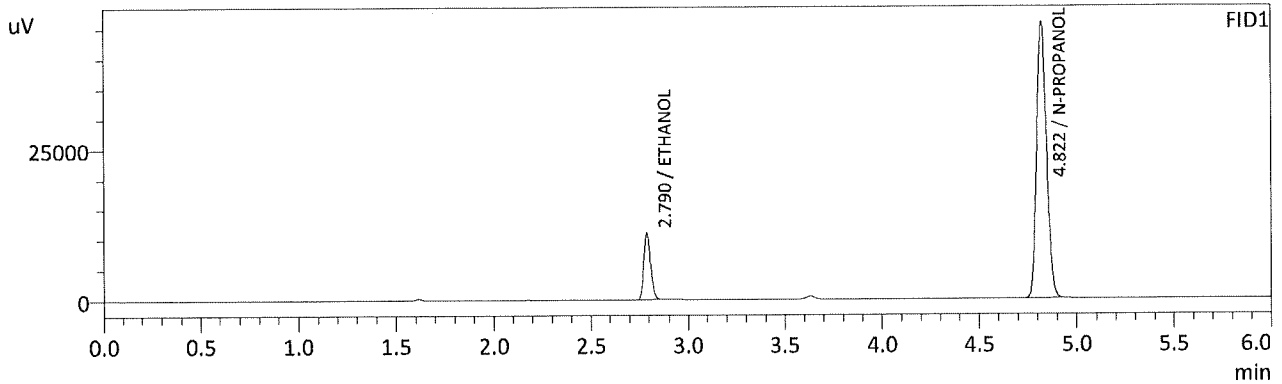
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25570	10882
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159815	45459
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	26289	12928
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167794	61763
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_9202022_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 2:48:25 PM
 Date Processed : 9/20/2022 2:54:27 PM
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FID1

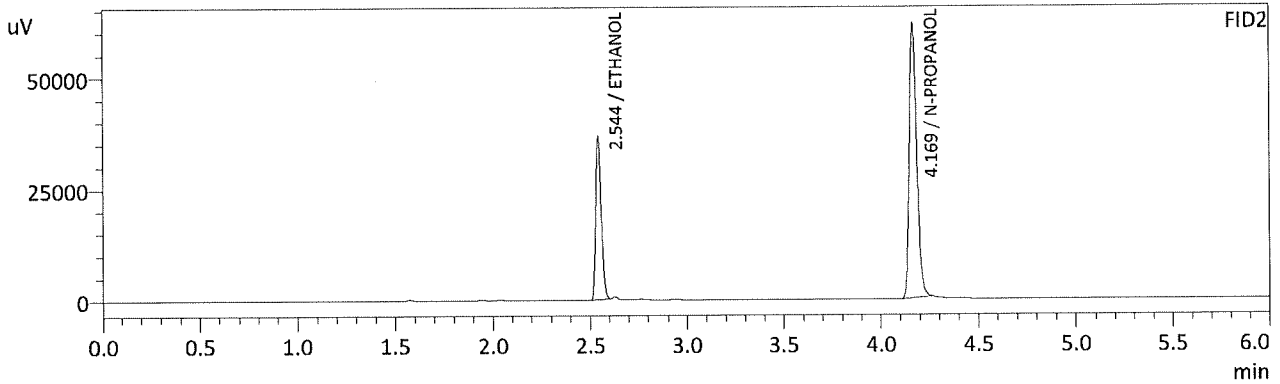
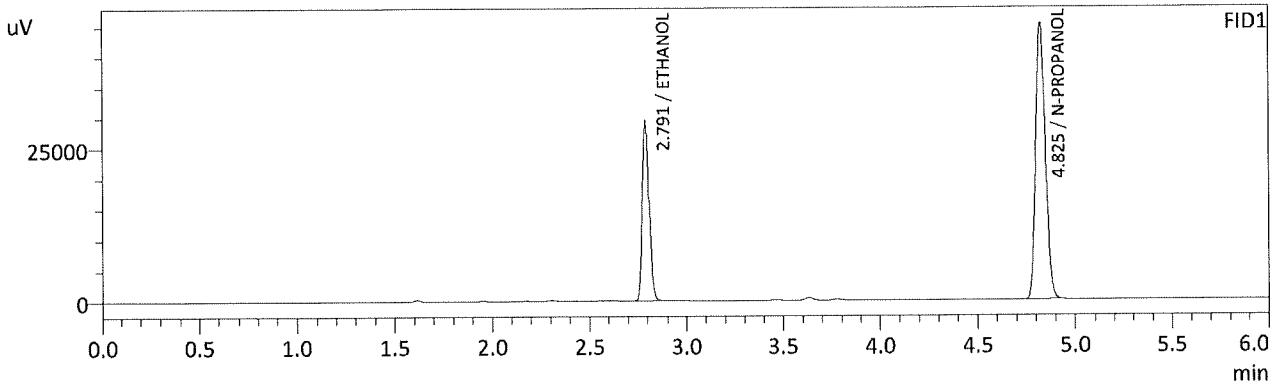
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	25805	10960
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160578	45685
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	26683	13220
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168550	62149
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-A
 Vial # : 31
 Data Filename : QC2-1-A_9202022_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 5:49:27 PM
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FID1

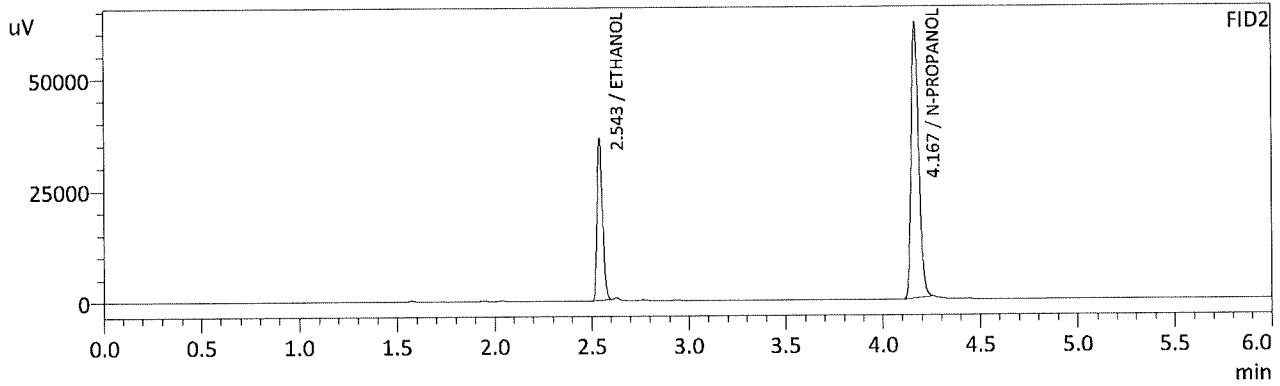
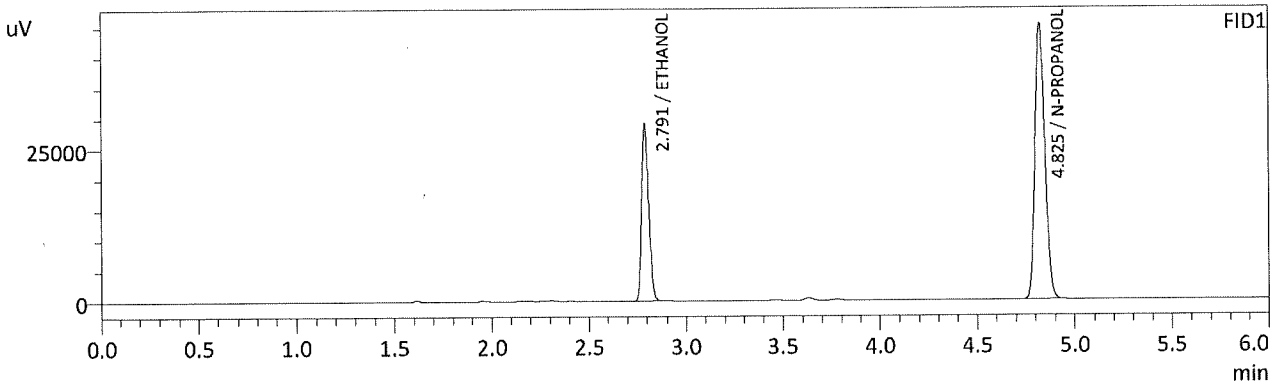
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2153	g/100cc	68291	28927
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158325	45066
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2172	g/100cc	72379	35890
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165717	61520
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_9202022_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 5:59:00 PM
 Date Processed : 9/20/2022 6:05:01 PM
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FID1

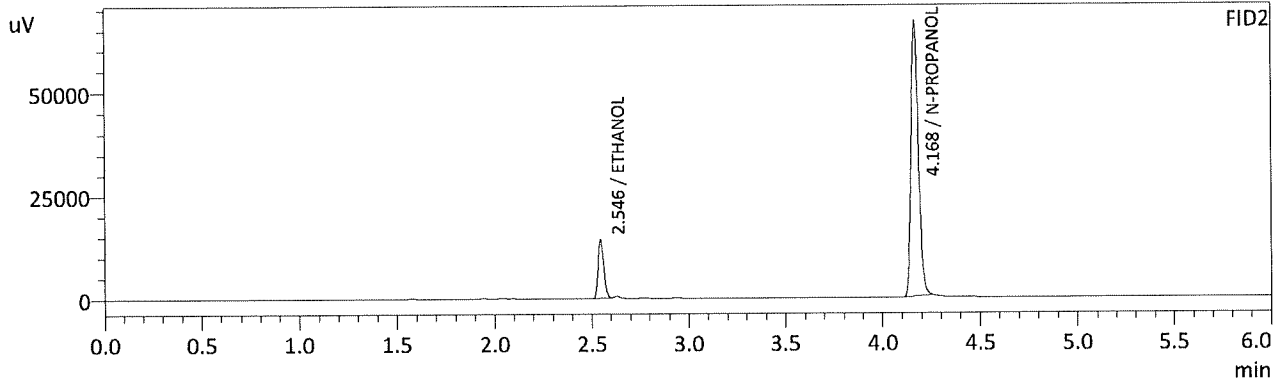
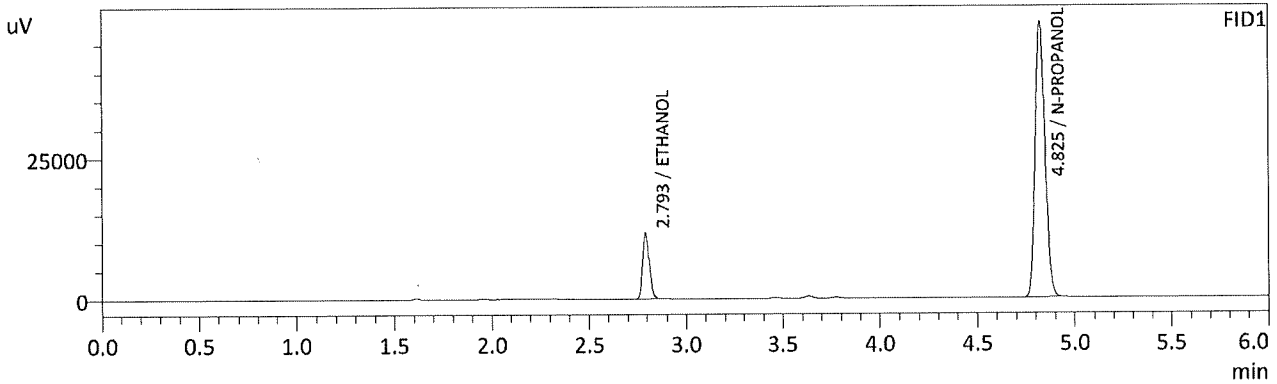
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2139	g/100cc	67863	28767
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158352	45103
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2162	g/100cc	71873	35933
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165344	61313
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : QC1-2-A
 Vial # : 53
 Data Filename : QC1-2-A_9202022_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 9:18:52 PM
 Date Processed : 9/20/2022 9:24:54 PM
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FID1

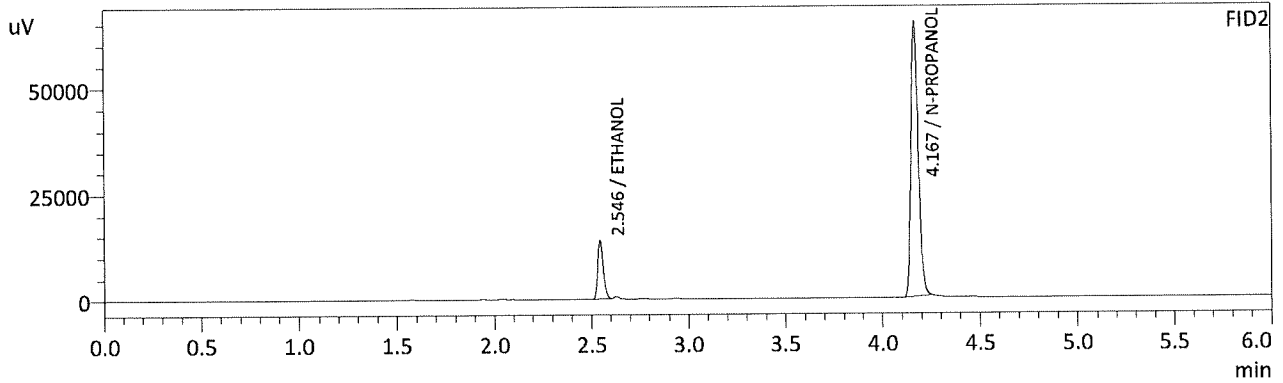
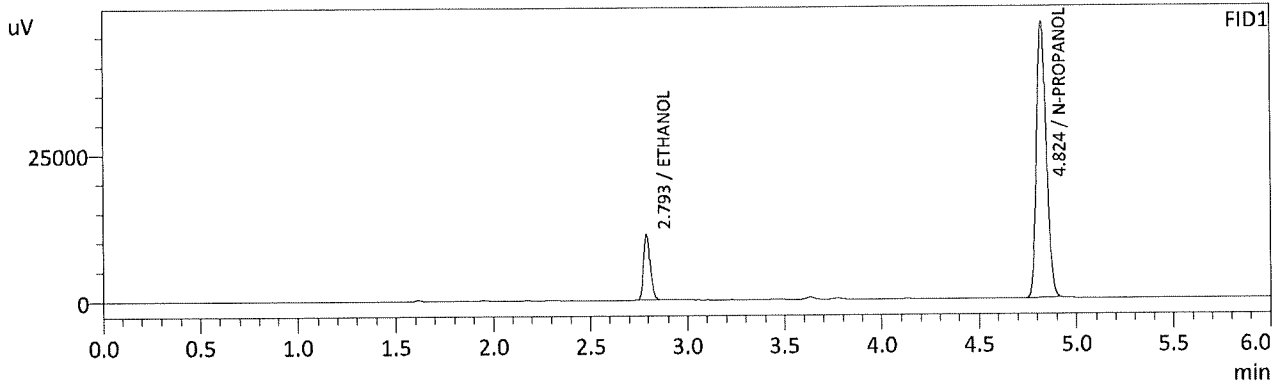
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	27117	11580
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169672	48599
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	28330	14214
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178199	66168
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

WAC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_9202022_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 9:28:10 PM
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FID1

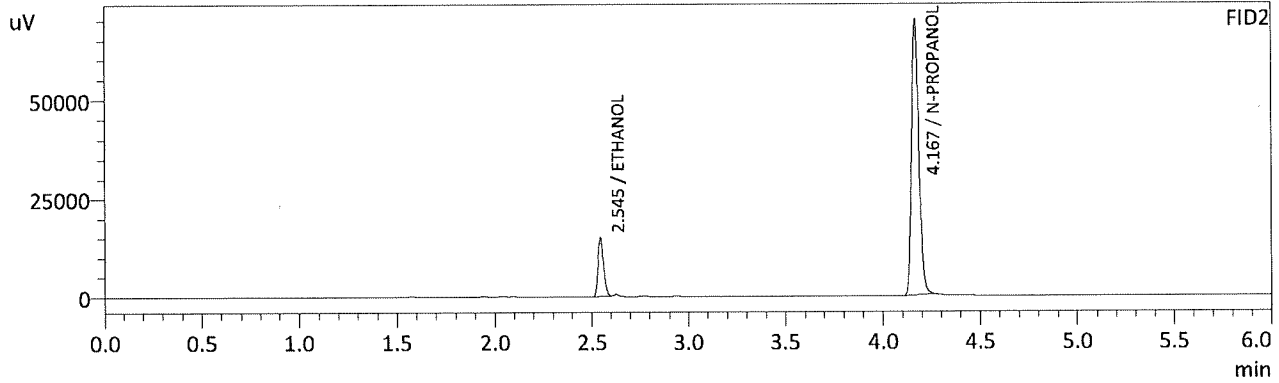
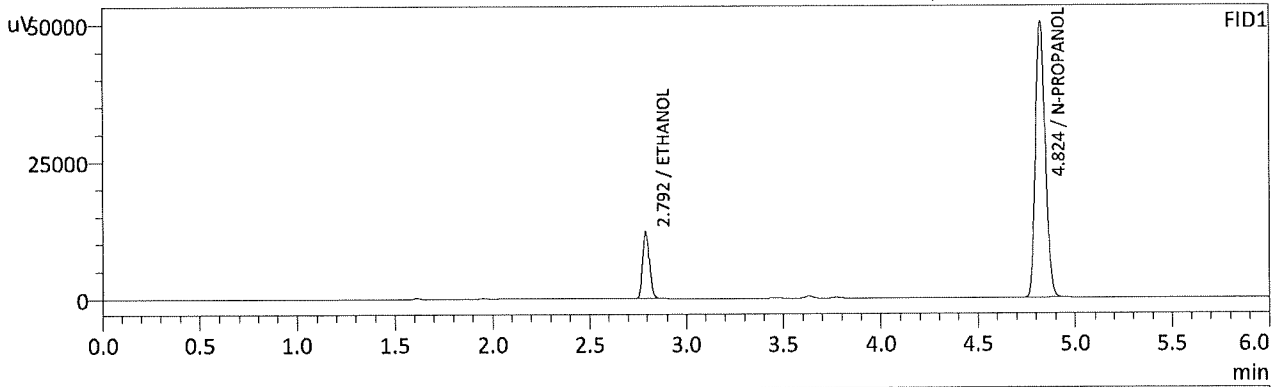
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	26224	11196
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164015	46960
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	27372	13786
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172246	64504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : QC1-3-A
 Vial # : 63
 Data Filename : QC1-3-A_9202022_063.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 10:53:49 PM
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FID1

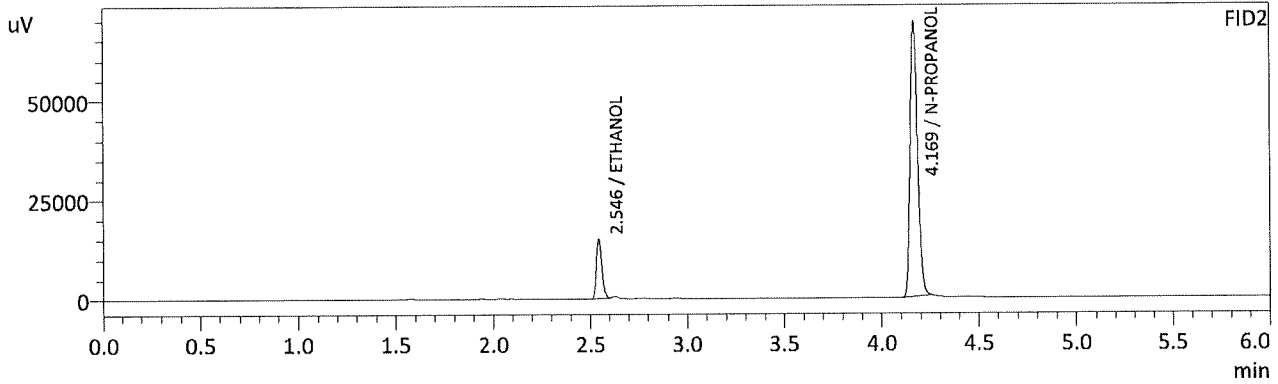
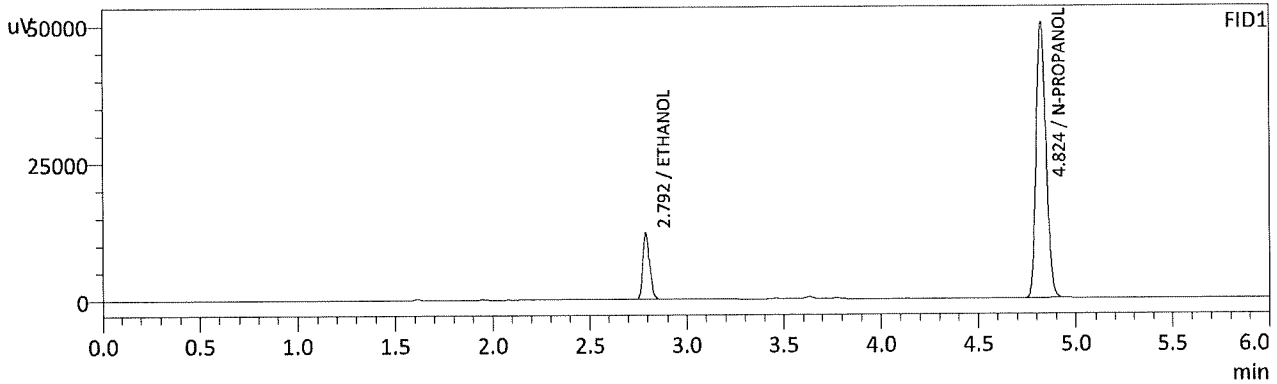
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	28388	12121
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176110	50276
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	29620	14906
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185114	69353
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-3-B
 Vial # : 64
 Data Filename : QC1-3-B_9202022_064.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 11:03:35 PM
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FID1

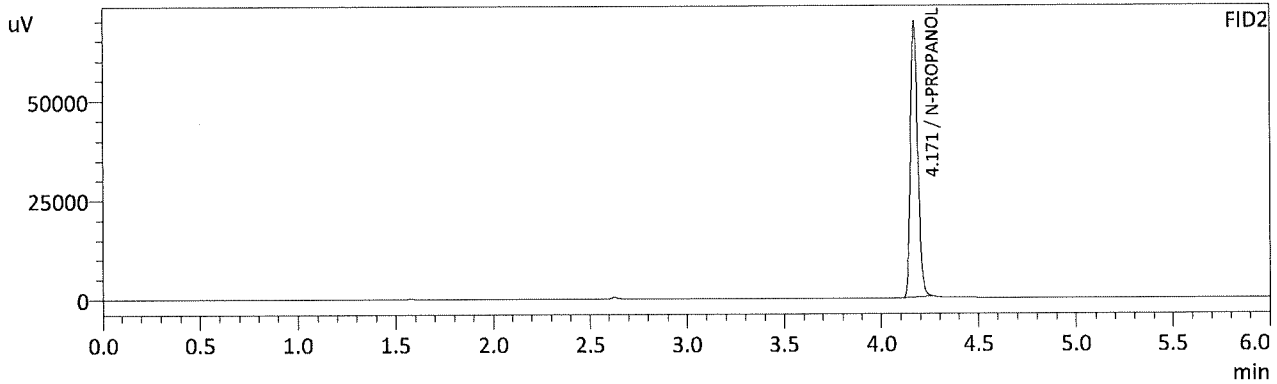
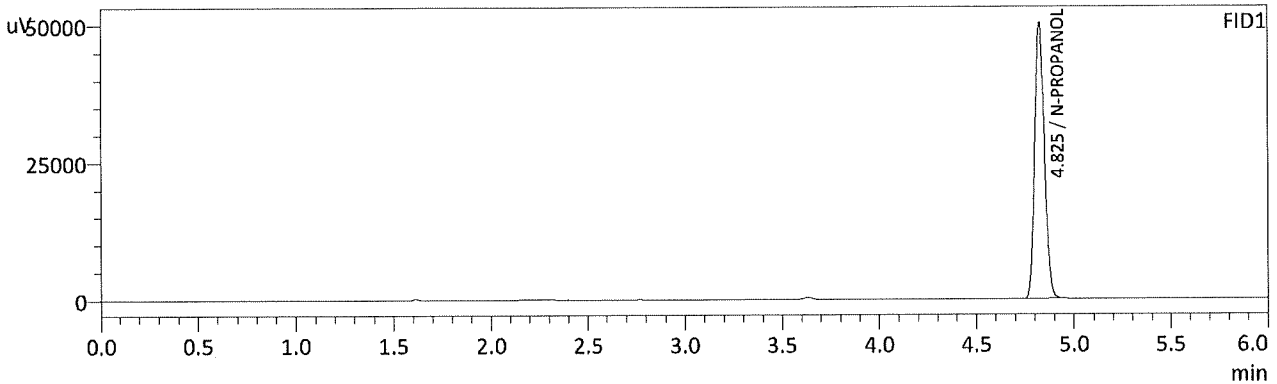
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	28360	12063
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175732	50122
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0826	g/100cc	29564	14847
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184632	69169
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 65
 Data Filename : INT STD BLK 3_9202022_065.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-20-22 BATCH.gcb
 Date Acquired : 9/20/2022 11:13:02 PM
 Date Processed : 9/20/2022 11:19:04 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	175010	49961
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	184267	69358
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	0.050_9202022_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_9202022_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_9202022_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_9202022_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_9202022_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_9202022_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_9202022_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_9202022_008.gcd	0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm	QC1-1-A_9202022_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm	QC1-1-B_9202022_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_9202022_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_9202022_012.gcd	0
13	P2022-2895-1-A	0:Unknown	ALCOHOL.gcm	P2022-2895-1-A_9202022_013.gcd	0
14	P2022-2895-1-B	0:Unknown	ALCOHOL.gcm	P2022-2895-1-B_9202022_014.gcd	0
15	P2022-2732-1-A	0:Unknown	ALCOHOL.gcm	P2022-2732-1-A_9202022_015.gcd	0
16	P2022-2732-1-B	0:Unknown	ALCOHOL.gcm	P2022-2732-1-B_9202022_016.gcd	0
17	P2022-2781-1-A	0:Unknown	ALCOHOL.gcm	P2022-2781-1-A_9202022_017.gcd	0
18	P2022-2781-1-B	0:Unknown	ALCOHOL.gcm	P2022-2781-1-B_9202022_018.gcd	0
19	P2022-2781-2-A	0:Unknown	ALCOHOL.gcm	P2022-2781-2-A_9202022_019.gcd	0
20	P2022-2781-2-B	0:Unknown	ALCOHOL.gcm	P2022-2781-2-B_9202022_020.gcd	0
21	P2022-2781-3-A	0:Unknown	ALCOHOL.gcm	P2022-2781-3-A_9202022_021.gcd	0
22	P2022-2781-3-B	0:Unknown	ALCOHOL.gcm	P2022-2781-3-B_9202022_022.gcd	0
23	P2022-2781-4-A	0:Unknown	ALCOHOL.gcm	P2022-2781-4-A_9202022_023.gcd	0
24	P2022-2781-4-B	0:Unknown	ALCOHOL.gcm	P2022-2781-4-B_9202022_024.gcd	0
25	P2022-2809-1-A	0:Unknown	ALCOHOL.gcm	P2022-2809-1-A_9202022_025.gcd	0
26	P2022-2809-1-B	0:Unknown	ALCOHOL.gcm	P2022-2809-1-B_9202022_026.gcd	0
27	P2022-2816-1-A	0:Unknown	ALCOHOL.gcm	P2022-2816-1-A_9202022_027.gcd	0
28	P2022-2816-1-B	0:Unknown	ALCOHOL.gcm	P2022-2816-1-B_9202022_028.gcd	0
29	P2022-2817-1-A	0:Unknown	ALCOHOL.gcm	P2022-2817-1-A_9202022_029.gcd	0
30	P2022-2817-1-B	0:Unknown	ALCOHOL.gcm	P2022-2817-1-B_9202022_030.gcd	0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_9202022_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_9202022_032.gcd	0
33	P2022-2819-1-A	0:Unknown	ALCOHOL.gcm	P2022-2819-1-A_9202022_033.gcd	0
34	P2022-2819-1-B	0:Unknown	ALCOHOL.gcm	P2022-2819-1-B_9202022_034.gcd	0
35	P2022-2829-1-A	0:Unknown	ALCOHOL.gcm	P2022-2829-1-A_9202022_035.gcd	0
36	P2022-2829-1-B	0:Unknown	ALCOHOL.gcm	P2022-2829-1-B_9202022_036.gcd	0
37	P2022-2835-1-A	0:Unknown	ALCOHOL.gcm	P2022-2835-1-A_9202022_037.gcd	0
38	P2022-2835-1-B	0:Unknown	ALCOHOL.gcm	P2022-2835-1-B_9202022_038.gcd	0
39	P2022-2836-1-A	0:Unknown	ALCOHOL.gcm	P2022-2836-1-A_9202022_039.gcd	0
40	P2022-2836-1-B	0:Unknown	ALCOHOL.gcm	P2022-2836-1-B_9202022_040.gcd	0
41	P2022-2857-1-A	0:Unknown	ALCOHOL.gcm	P2022-2857-1-A_9202022_041.gcd	0
42	P2022-2857-1-B	0:Unknown	ALCOHOL.gcm	P2022-2857-1-B_9202022_042.gcd	0
43	P2022-2858-1-A	0:Unknown	ALCOHOL.gcm	P2022-2858-1-A_9202022_043.gcd	0
44	P2022-2858-1-B	0:Unknown	ALCOHOL.gcm	P2022-2858-1-B_9202022_044.gcd	0
45	P2022-2860-1-A	0:Unknown	ALCOHOL.gcm	P2022-2860-1-A_9202022_045.gcd	0
46	P2022-2860-1-B	0:Unknown	ALCOHOL.gcm	P2022-2860-1-B_9202022_046.gcd	0
47	P2022-2873-1-A	0:Unknown	ALCOHOL.gcm	P2022-2873-1-A_9202022_047.gcd	0
48	P2022-2873-1-B	0:Unknown	ALCOHOL.gcm	P2022-2873-1-B_9202022_048.gcd	0
49	P2022-2875-1-A	0:Unknown	ALCOHOL.gcm	P2022-2875-1-A_9202022_049.gcd	0
50	P2022-2875-1-B	0:Unknown	ALCOHOL.gcm	P2022-2875-1-B_9202022_050.gcd	0
51	P2022-2882-1-A	0:Unknown	ALCOHOL.gcm	P2022-2882-1-A_9202022_051.gcd	0
52	P2022-2882-1-B	0:Unknown	ALCOHOL.gcm	P2022-2882-1-B_9202022_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_9202022_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_9202022_054.gcd	0
55	P2022-2883-1-A	0:Unknown	ALCOHOL.gcm	P2022-2883-1-A_9202022_055.gcd	0
56	P2022-2883-1-B	0:Unknown	ALCOHOL.gcm	P2022-2883-1-B_9202022_056.gcd	0
57	P2022-2883-2-A	0:Unknown	ALCOHOL.gcm	P2022-2883-2-A_9202022_057.gcd	0
58	P2022-2883-2-B	0:Unknown	ALCOHOL.gcm	P2022-2883-2-B_9202022_058.gcd	0
59	P2022-2885-1-A	0:Unknown	ALCOHOL.gcm	P2022-2885-1-A_9202022_059.gcd	0
60	P2022-2885-1-B	0:Unknown	ALCOHOL.gcm	P2022-2885-1-B_9202022_060.gcd	0
61	P2022-2886-1-A	0:Unknown	ALCOHOL.gcm	P2022-2886-1-A_9202022_061.gcd	0
62	P2022-2886-1-B	0:Unknown	ALCOHOL.gcm	P2022-2886-1-B_9202022_062.gcd	0
63	QC1-3-A	0:Unknown	ALCOHOL.gcm	QC1-3-A_9202022_063.gcd	0
64	QC1-3-B	0:Unknown	ALCOHOL.gcm	QC1-3-B_9202022_064.gcd	0
65	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_9202022_065.gcd	0

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM):

Date of Request: 7/29/22

Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol

Analytical Method/Quality Standard, Revision #: 4.3.9.1.3 revision 10

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):

Blood alcohol and other volatiles

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

4.3.9.1.3 revision 10

Acceptable IS recovery values for samples run with a specific calibration curve must have their FID1 and FID2 IS values fall within +/- 20% of the mean values established in 4.3.9.1.1.

Request to add the word "case" between for and samples so it reads:

"Acceptable IS recovery values for **case** samples run with..."

Technical Justification for Analytical Method Deviations:

This was discussed and agreed upon in previous Alcohol Discipline meetings. This additional clarification will minimize any potential misinterpretations of the requirement.

Technical Review

Departure approved

Comments: This will work for the immediate future until the method can be updated in a permanent manner. This deviation will be in effect until 12/31/2022 when the method will be updated to reflect the new language and understanding of the internal standard monitoring.

Departure Not Approved

Comments:

Approver: Jeremy Johnston
Title: Volatiles Analysis Discipline Lead

Date: 8/3/2022



Quality Review

Quality Approver:

Title:

Date:

