














Worklist: 6869

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-1602	2	BLOOD	Alcohol Analysis	
P2024-1973	1	BCK	Alcohol Analysis	
P2024-1974	1	BCK	Alcohol Analysis	
P2024-1993	1	BCK	Alcohol Analysis	
P2024-1994	1	BCK	Alcohol Analysis	
P2024-1995	1	BCK	Alcohol Analysis	
P2024-2021	1	BCK	Alcohol Analysis	
P2024-2026	1	BCK	Alcohol Analysis	
P2024-2027	1	BCK	Alcohol Analysis	
P2024-2031	1	BCK	Alcohol Analysis	
P2024-2045	1	BCK	Alcohol Analysis	
P2024-2051	1	BCK	Alcohol Analysis	
P2024-2052	1	BCK	Alcohol Analysis	
P2024-2055	1	BCK	Alcohol Analysis	
P2024-2065	1	BCK	Alcohol Analysis	
P2024-2075	1	BCK	Alcohol Analysis	
P2024-2076	1	BCK	Alcohol Analysis	
P2024-2077	1	BCK	Alcohol Analysis	
P2024-2078	1	BCK	Alcohol Analysis	

REVIEWED
By Jeremy Johnston at 11:53 am, Jul 12, 2024



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): 07/11/2024

Calibration Date: (if different) :

Worklist #: 6869

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0804 g/100cc	
					0.0878 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2065 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:			Column 1	0.99993	Column2	0.99988

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0518	0.0007	0.0514
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1988	0.1983	0.0005	0.1985
300	0.300	0.270 - 0.330	0.2981	0.2977	0.0004	0.2979
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5017	0.0004	0.5015

Aqueous Controls

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



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6869	Run Date(s):	07/11/2024
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Internal Standard Solution:	Prep Date: 7/11/2024	Exp Date: 1/11/2025
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Sample Name	Column 1 Value	Column 2 Value
0.080	196562	196142
0.080	198612	198109
QC1	200270	199676
QC1	199148	198675
QC1	205634	207755
QC1	200753	202866
QC1		
QC1		
QC2	195386	196985
QC2	194883	196481
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	198906.0	159124.8	238687.2
Column 2	199586.1	159668.9	239503.4



Revision: 5

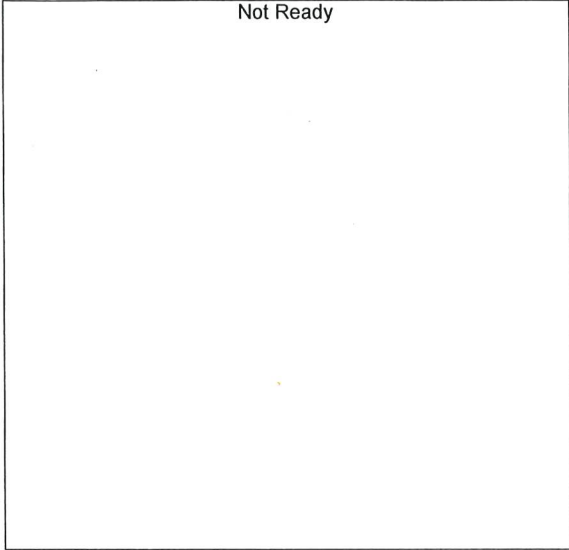
Issue Date: 07/05/2022

Issuing Authority: Quality Manager

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Calibration Table
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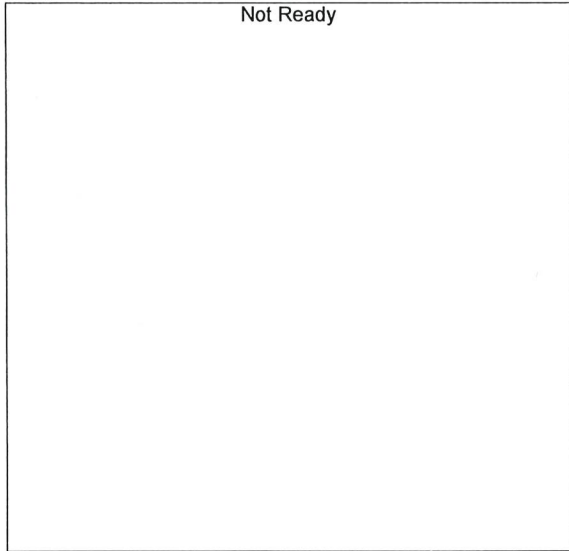
Laboratory: Pocatello
Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
Method File :Default Project - ALCOHOL_071124_RC.gcm
Batch File :Default Project - BATCH_071124_RC.gcb
Date Acquired :7/11/2024 3:23:29 PM
Date Created :7/11/2024 3:19:58 PM
Date Modified :7/11/2024 3:29:31 PM



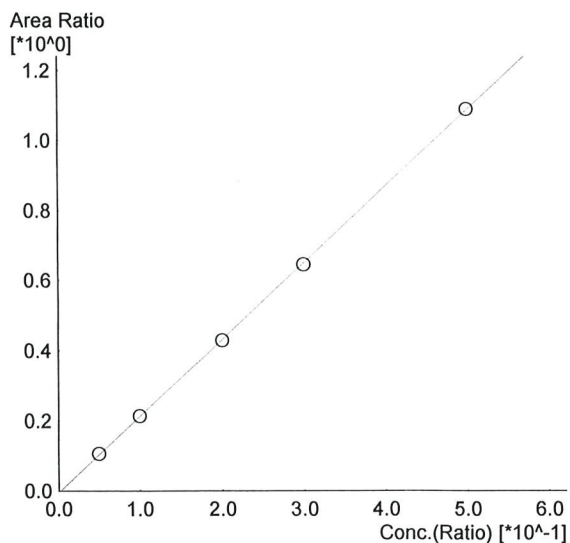
Name : METHANOL
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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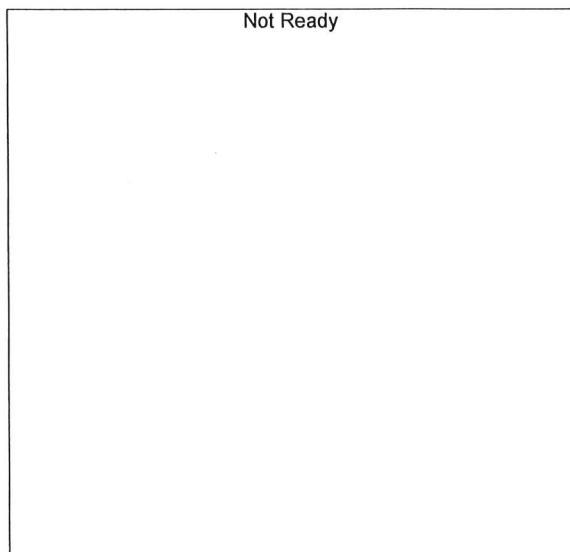
Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



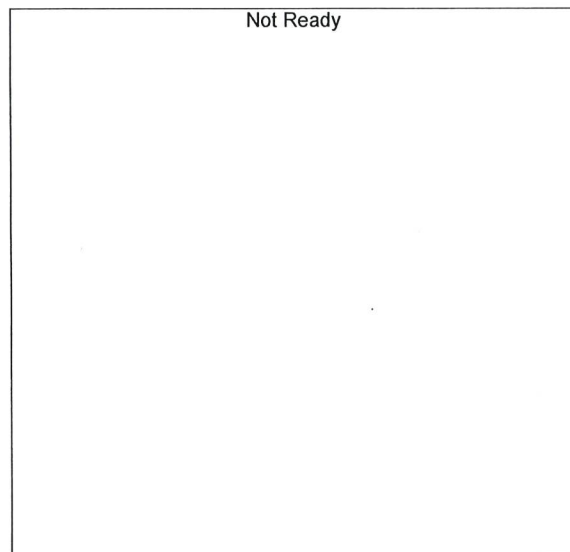
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.18154*x-0.00572885$
 R² value= 0.9999360 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20713	0.0511	0.050_7112024_001.gcd
2	0.100	42054	0.1004	0.100_7112024_002.gcd
3	0.200	85135	0.1988	0.200_7112024_003.gcd
4	0.300	128957	0.2981	0.300_7112024_004.gcd
5	0.500	218406	0.5013	0.500_7112024_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

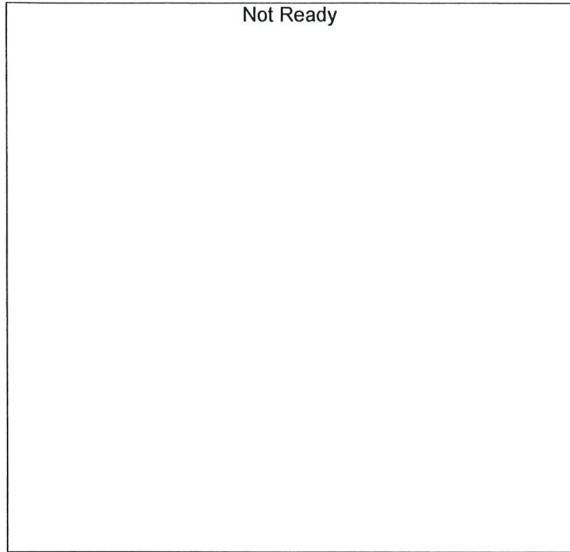
#	Conc.	Area	Std. Conc.	Data File Name
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Handwritten initials 'AC'



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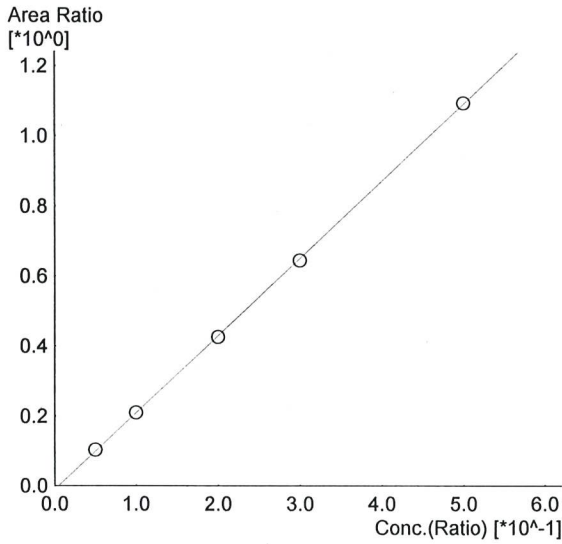
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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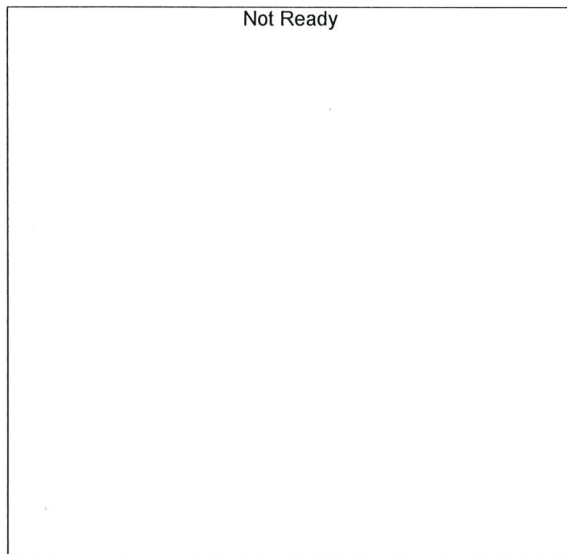
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.20190*x-0.0111451$
 R² value= 0.9998871 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20291	0.0518	0.050_7112024_001.gcd
2	0.100	41483	0.1003	0.100_7112024_002.gcd
3	0.200	84853	0.1983	0.200_7112024_003.gcd
4	0.300	129040	0.2977	0.300_7112024_004.gcd
5	0.500	219799	0.5017	0.500_7112024_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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JAC

Not Ready

Name : ISOPROPYL ALCOHOL
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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Not Ready

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

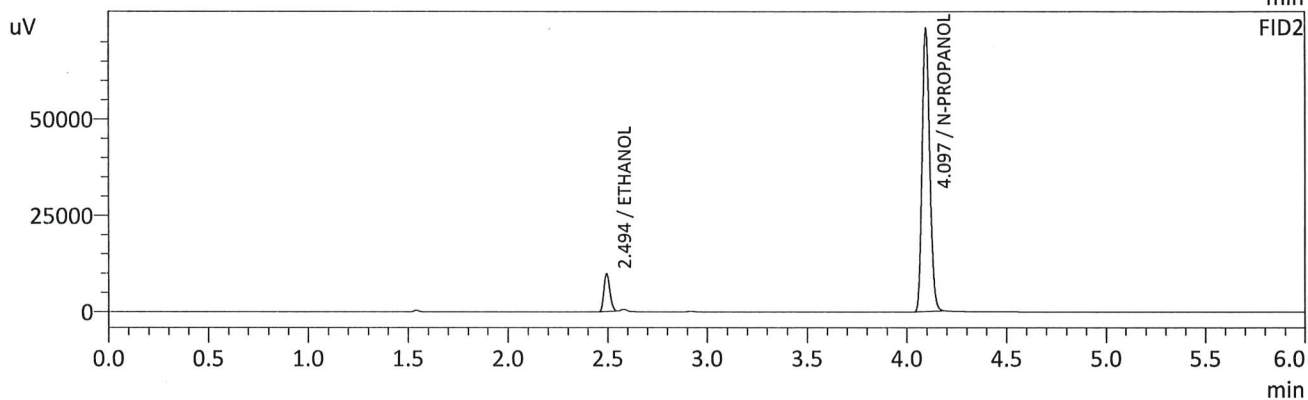
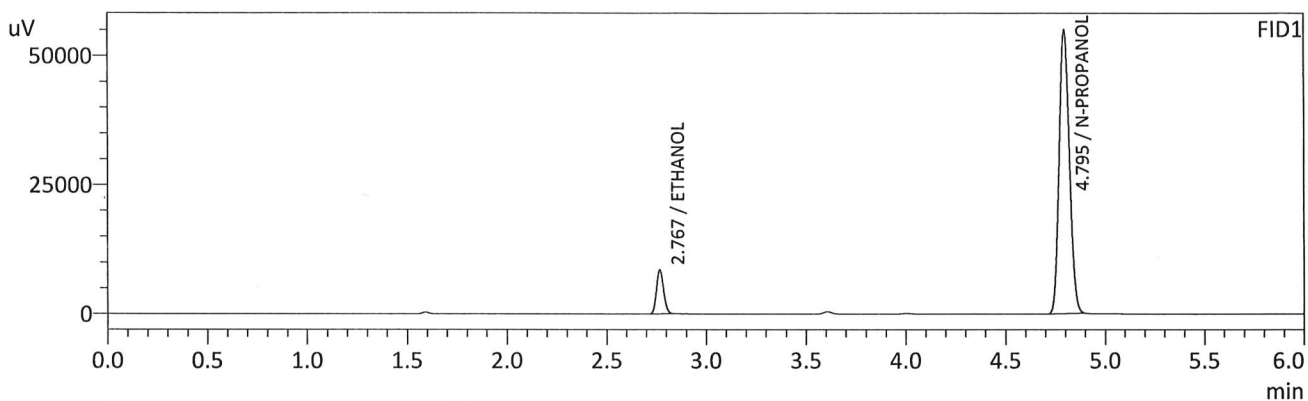
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

Name : TFE
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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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_7112024_001.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 2:45:22 PM
 Date Processed : 7/12/2024 9:09:44 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

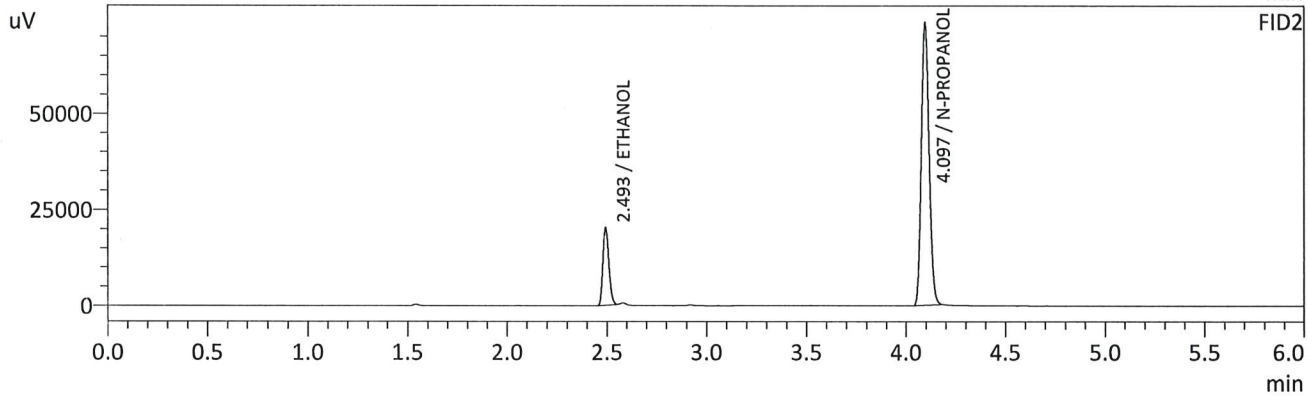
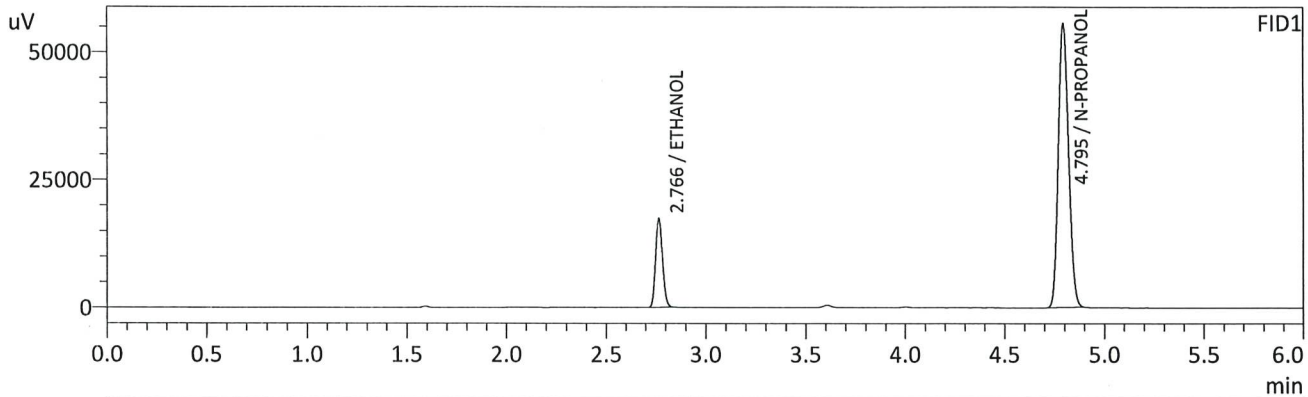
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	20713	8436
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195545	54950
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	20291	9798
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197043	73288
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_7112024_002.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 2:54:51 PM
 Date Processed : 7/12/2024 9:09:48 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

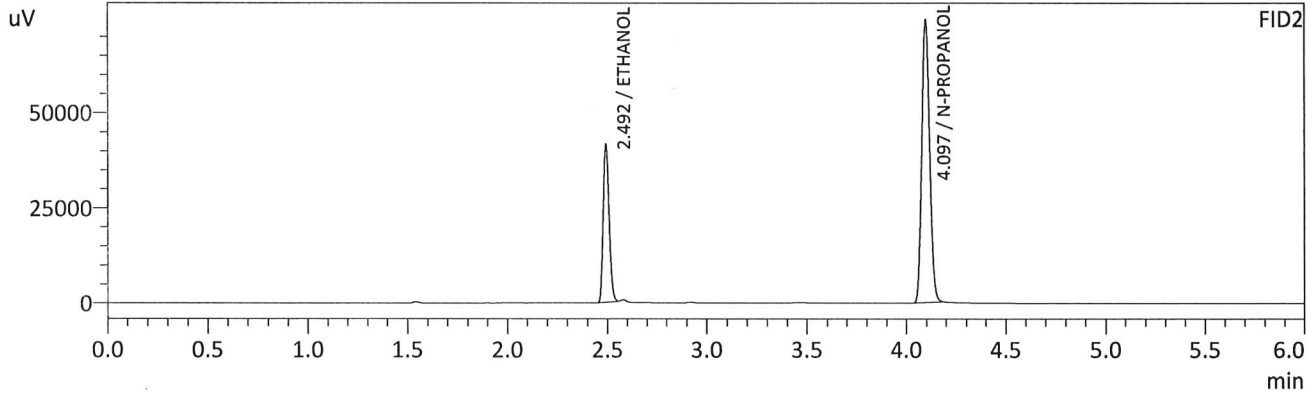
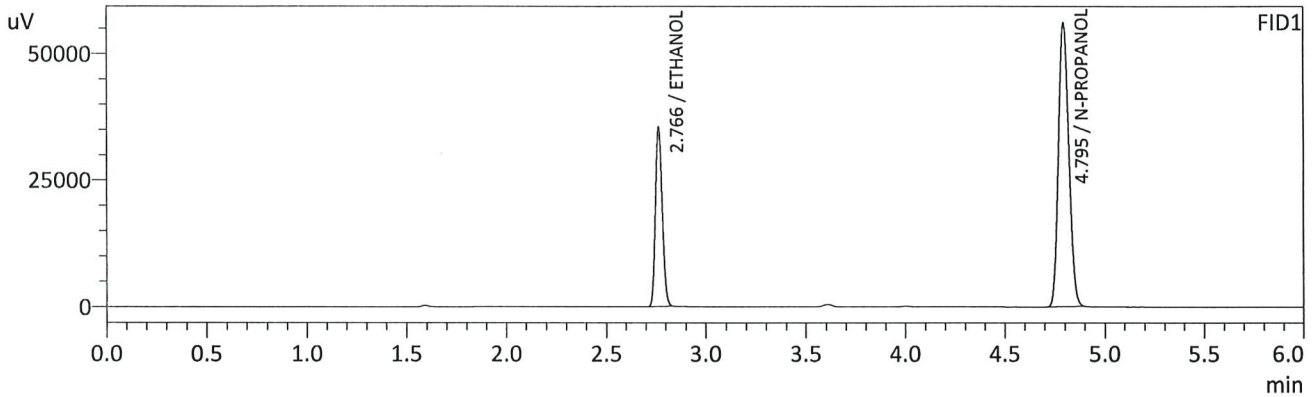
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	42054	17373
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197073	55585
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	41483	20056
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197787	73291
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

PC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_7112024_003.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:04:12 PM
 Date Processed : 7/12/2024 9:09:51 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

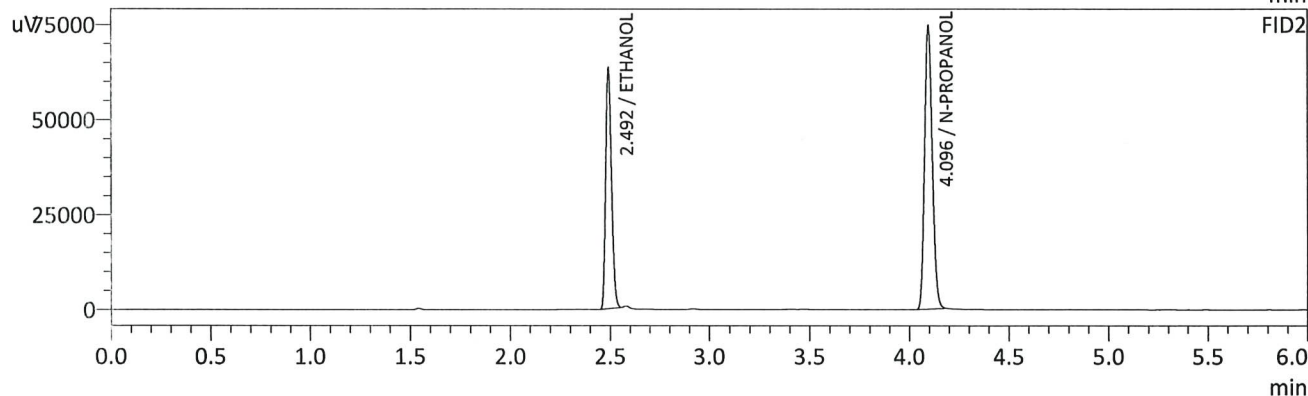
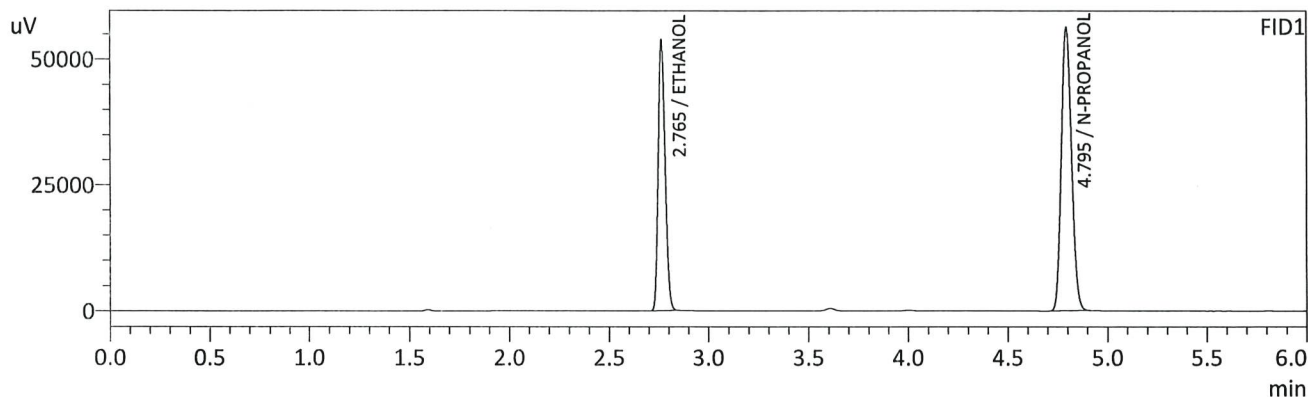
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	85135	35375
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198844	56030
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1983	g/100cc	84853	40856
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199381	73988
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_7112024_004.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:13:56 PM
 Date Processed : 7/12/2024 9:09:55 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

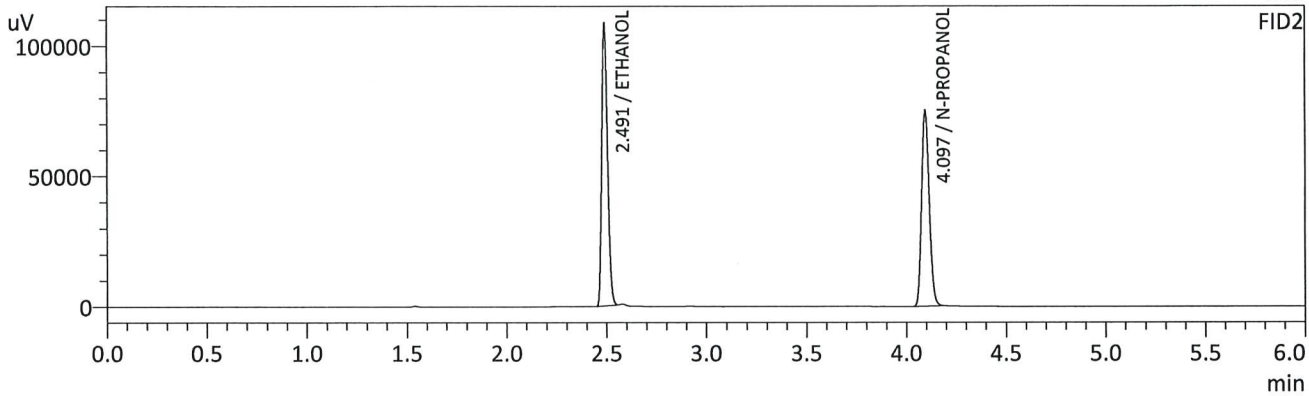
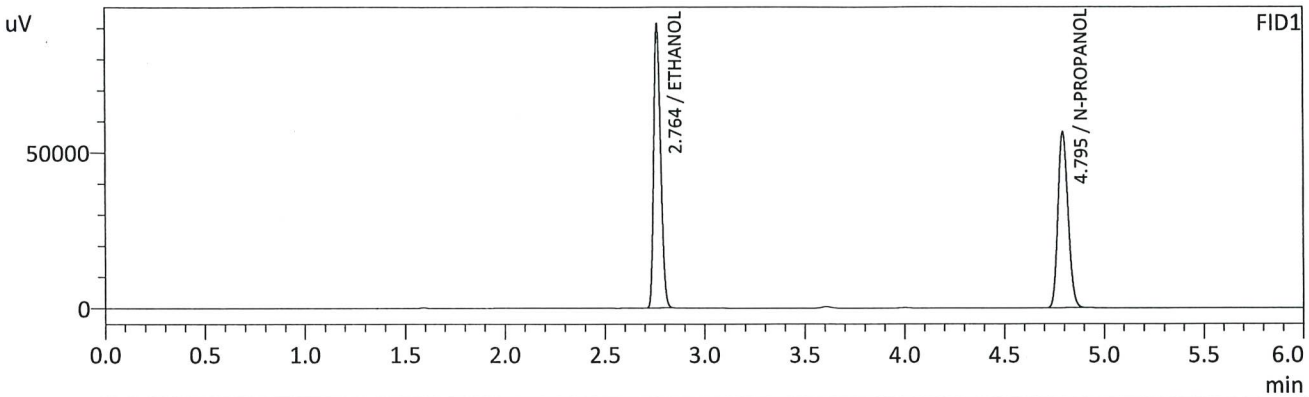
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2981	g/100cc	128957	53659
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200043	56268
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2977	g/100cc	129040	62675
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200233	74496
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_7112024_005.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:23:29 PM
 Date Processed : 7/11/2024 3:29:31 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

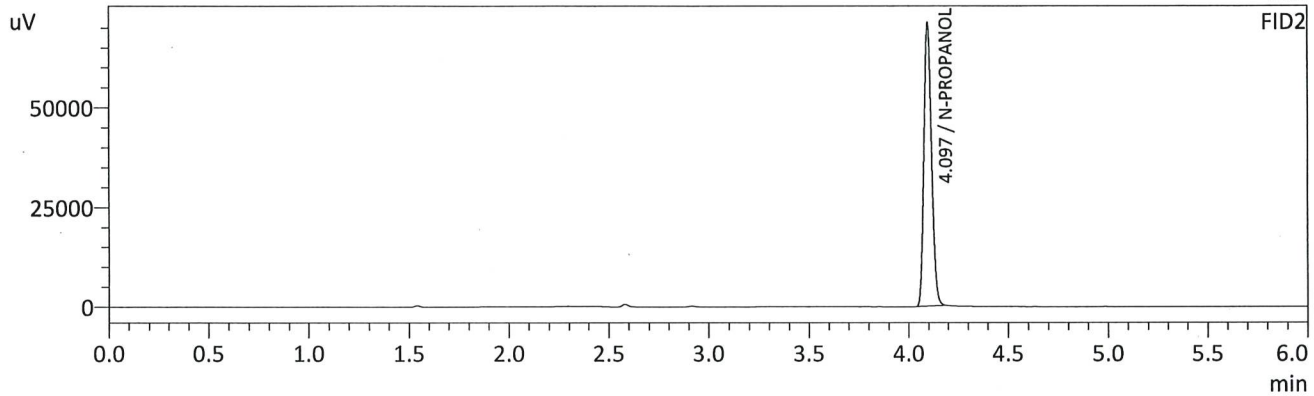
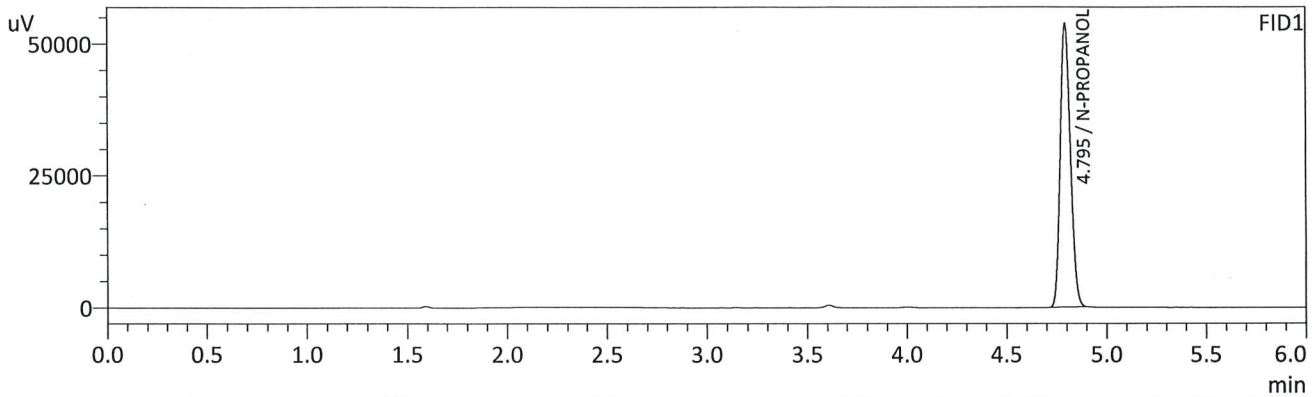
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	218406	91046
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200738	56463
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	219799	107519
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200967	74857
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_7112024_006.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:32:48 PM
 Date Processed : 7/11/2024 3:38:49 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



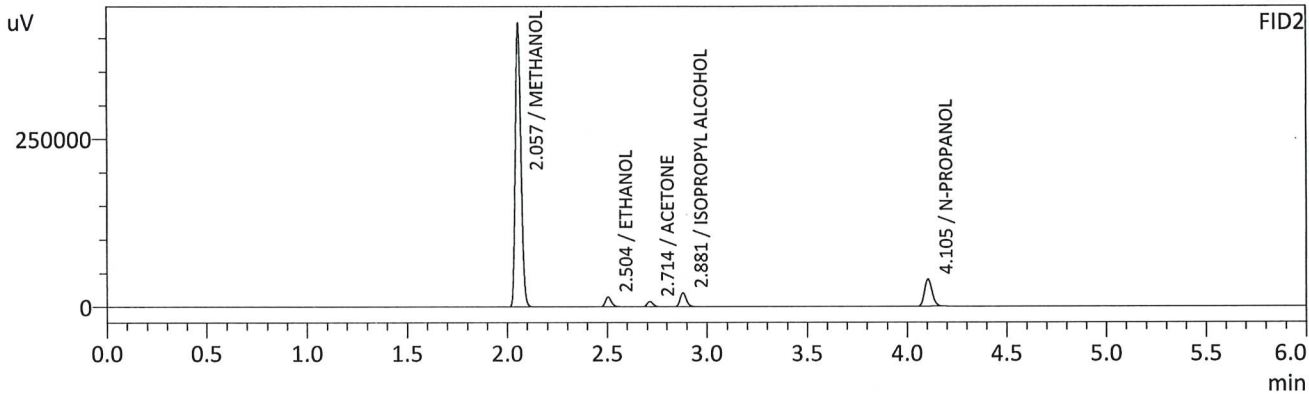
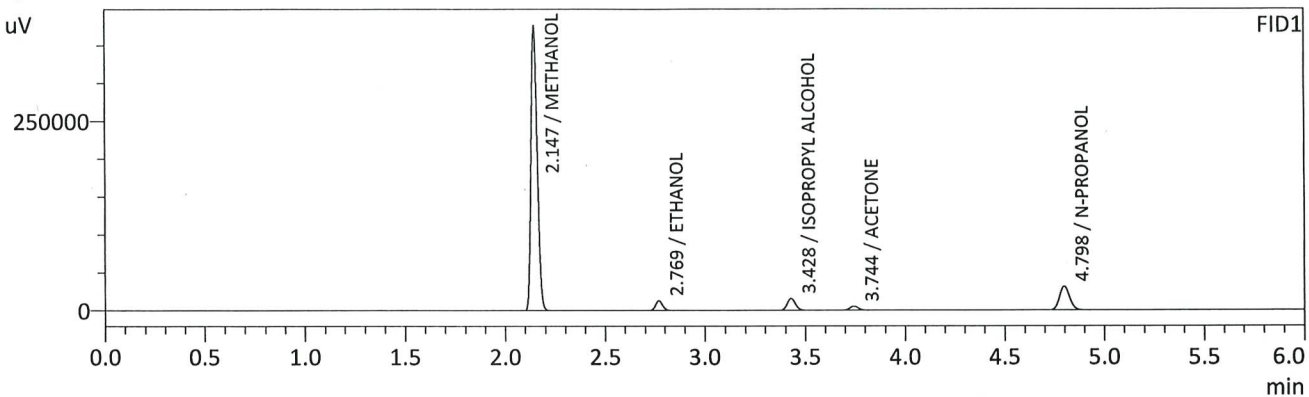
FID1

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	190920	53711
DFE/TFE	--	g/100cc	--	--
DME	--	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	190791	70829
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_7112024_007.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:42:32 PM
 Date Processed : 7/11/2024 3:48:33 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

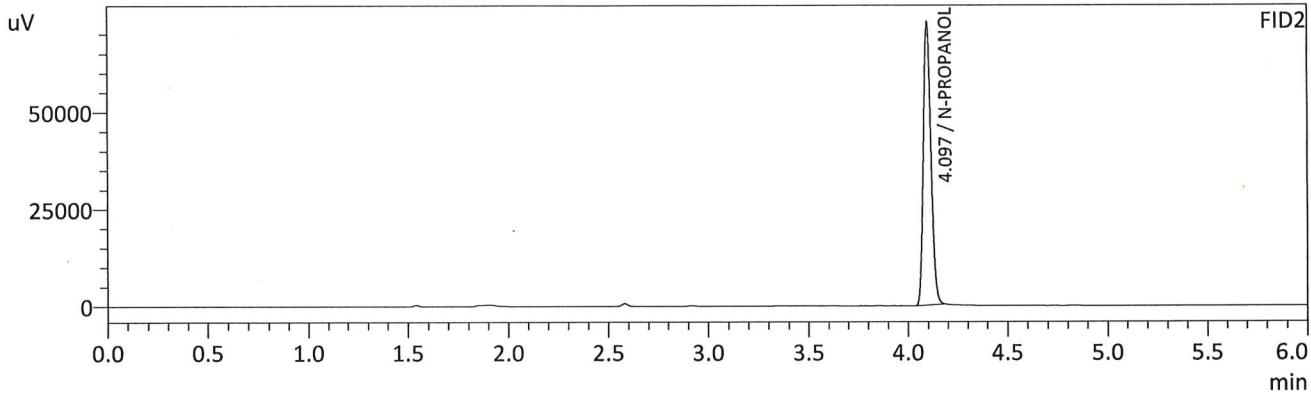
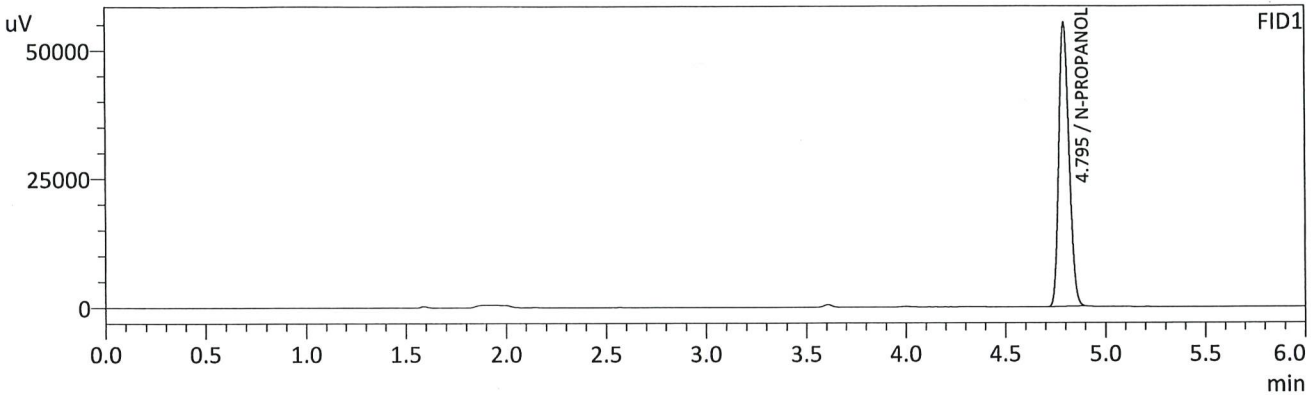
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	809642	371755
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1304	g/100cc	30767	12730
ISOPROPYL ALCOHOL	0.0000	g/100cc	44328	15569
ACETONE	0.0000	g/100cc	15329	5287
N-PROPANOL	0.0000	g/100cc	110360	31107
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	832153	420324
ETHANOL	0.1303	g/100cc	29697	14349
ACETONE	0.0000	g/100cc	15914	7728
ISOPROPYL ALCOHOL	0.0000	g/100cc	44384	20481
N-PROPANOL	0.0000	g/100cc	107648	40424
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature or initials in blue ink.

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_7112024_008.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 3:52:05 PM
 Date Processed : 7/11/2024 3:58:06 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



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	196281	55180
DFE/TFE	--	g/100cc	--	--
DME	--	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	195464	72454
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1

Analysis Date(s): 7/11/2024 4:01:26 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0806	0.0802	0.0004	0.0804	0.0000	0.0804
(g/100cc)	0.0806	0.0802	0.0004	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

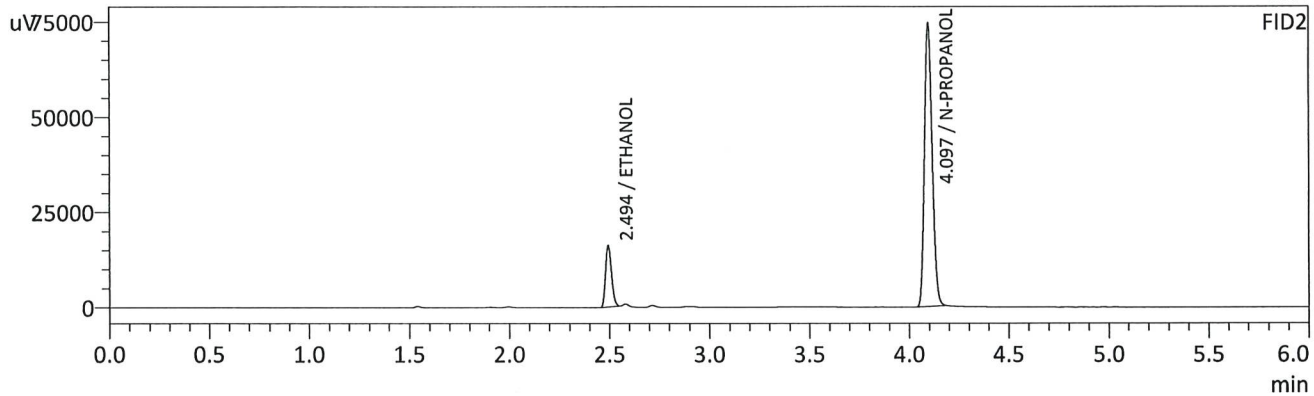
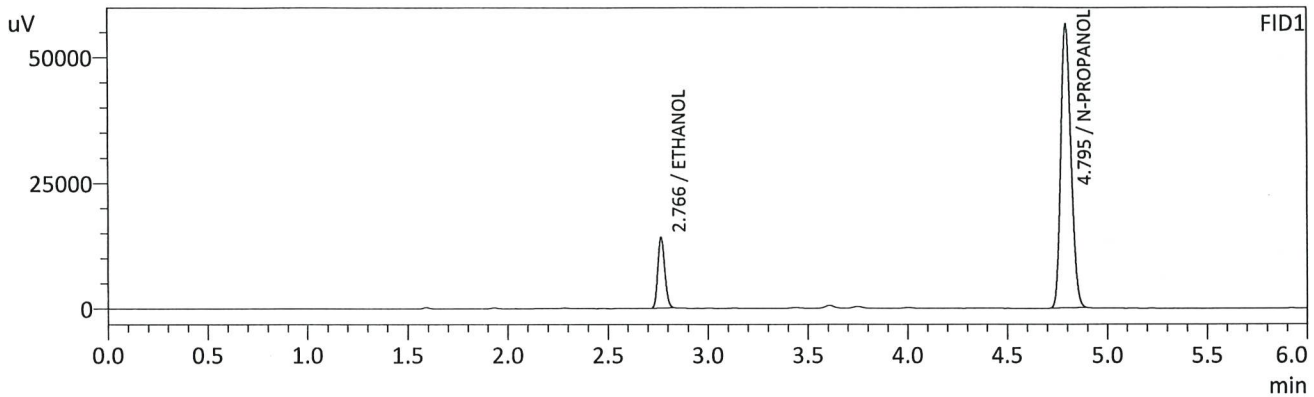
Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_7112024_009.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 4:01:26 PM
 Date Processed : 7/11/2024 4:07:27 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

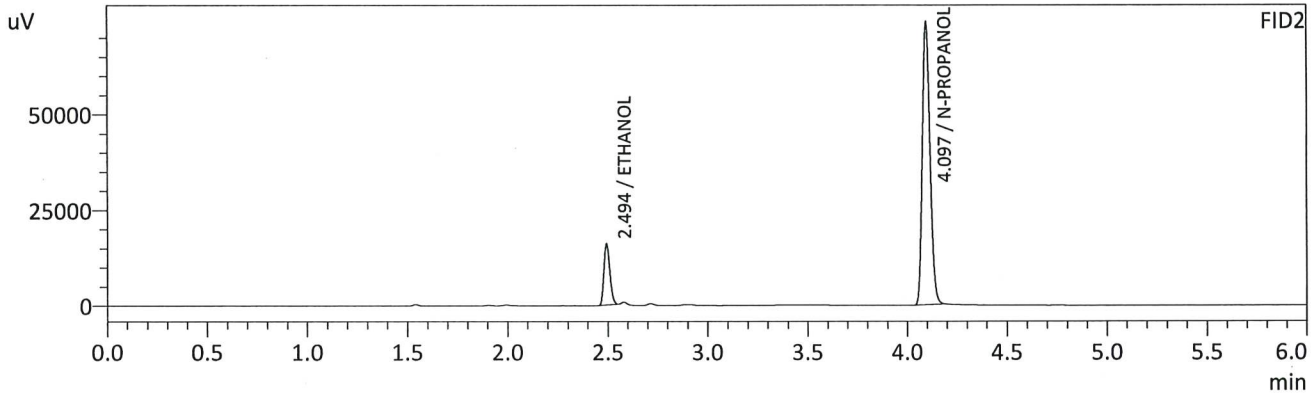
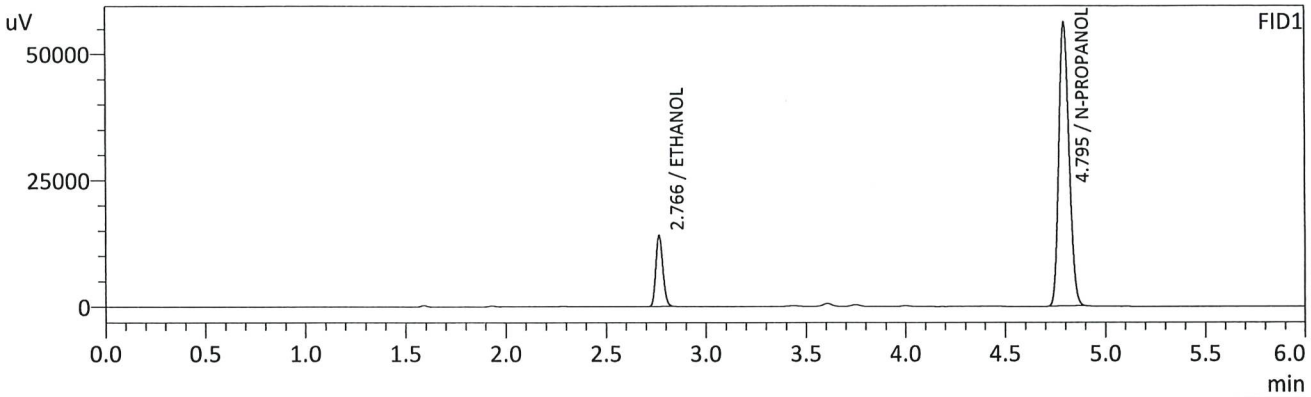
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	34069	14053
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200270	56496
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	33075	16027
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199676	74125
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_7112024_010.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 4:11:10 PM
 Date Processed : 7/11/2024 4:17:12 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	33914	13984
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199148	56194
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	32912	15949
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198675	73794
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 7/11/2024 4:20:42 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0805	0.0004	0.0807	0.0000	0.0807
(g/100cc)	0.0810	0.0805	0.0005	0.0807		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

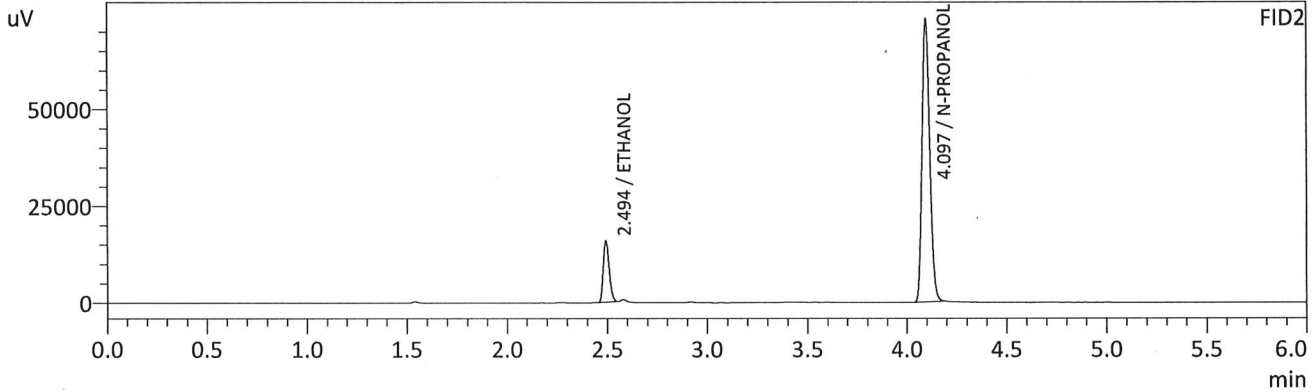
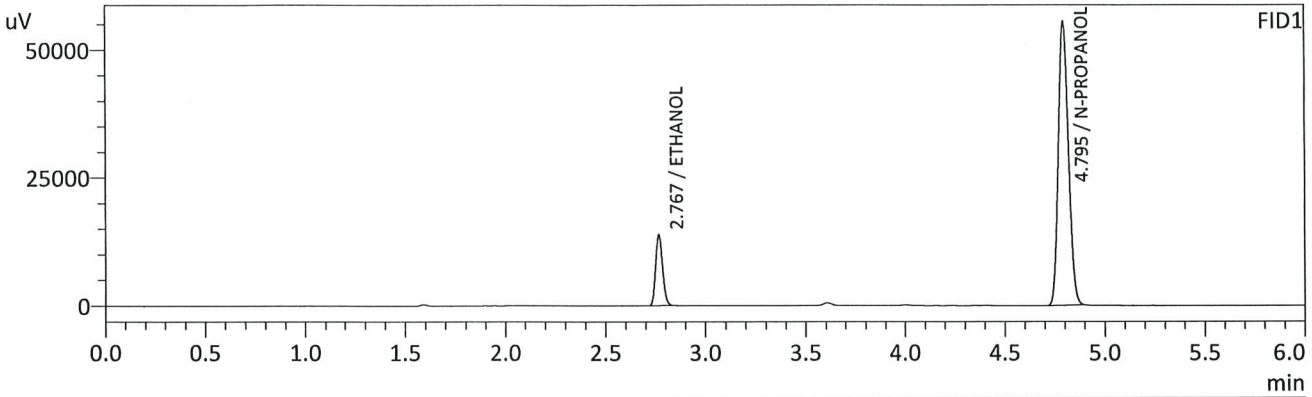
Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_7112024_011.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 4:20:42 PM
 Date Processed : 7/11/2024 4:26:44 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

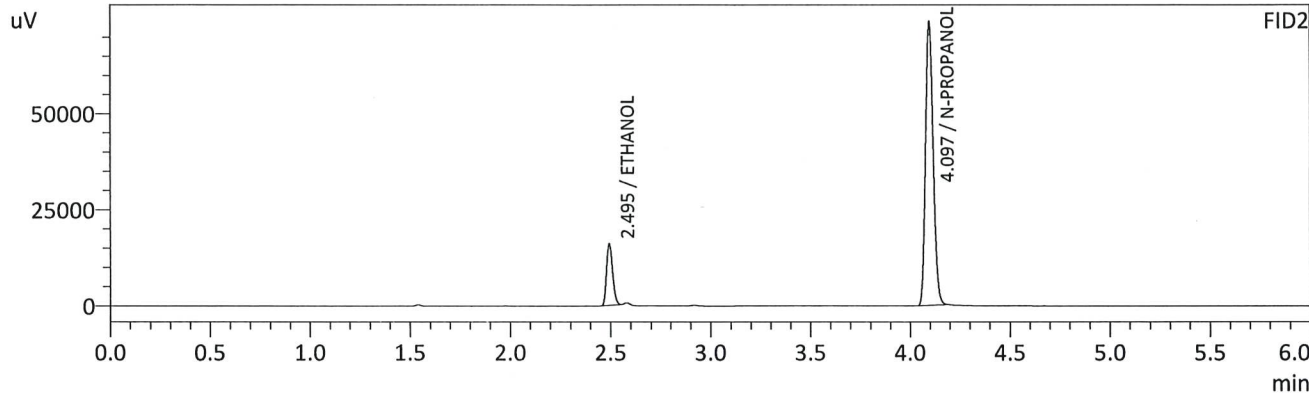
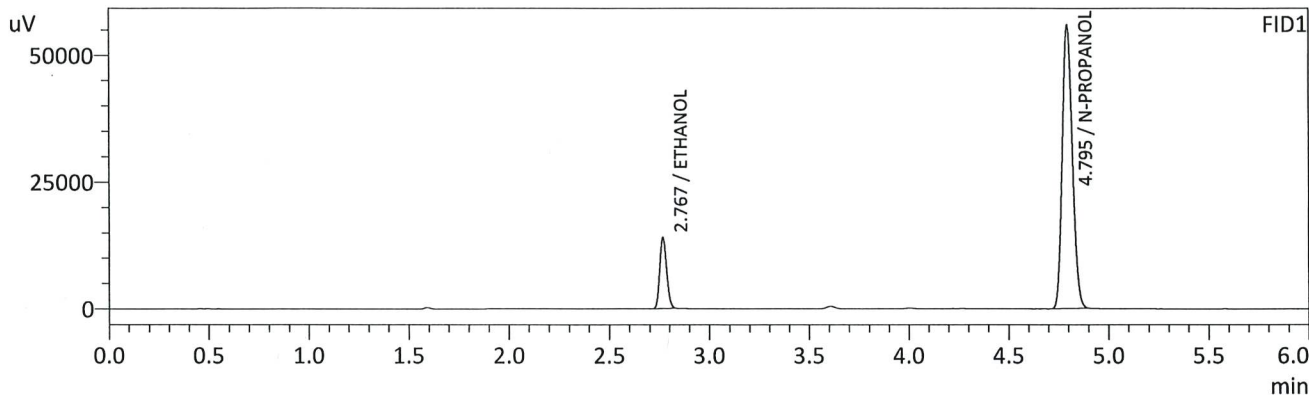
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	33587	13836
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196562	55463
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	32584	15767
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196142	72754
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_7112024_012.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 4:29:59 PM
 Date Processed : 7/11/2024 4:36:00 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	33990	13961
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198612	55930
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	32930	15973
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198109	73349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1

Analysis Date(s): 7/11/2024 7:31:09 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2070	0.2059	0.0011	0.2064	0.0002	0.2065
(g/100cc)	0.2071	0.2061	0.0010	0.2066		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

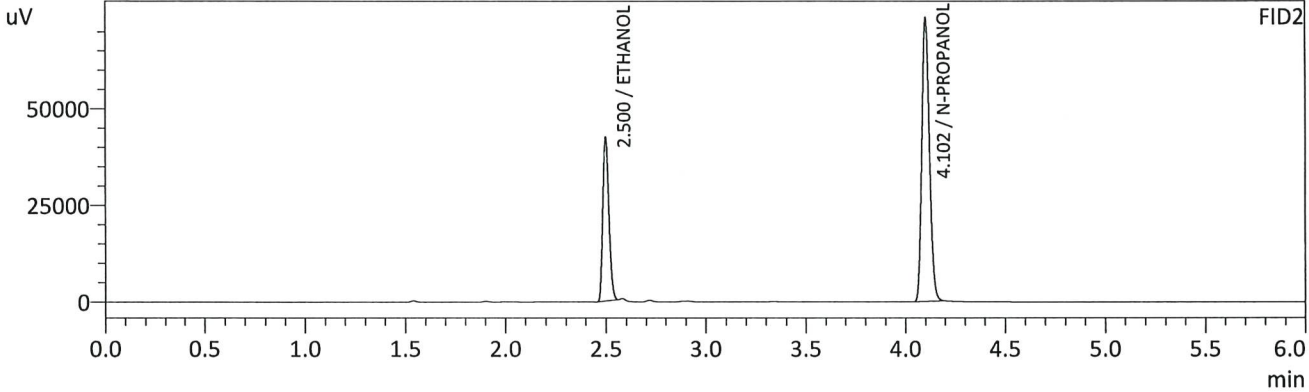
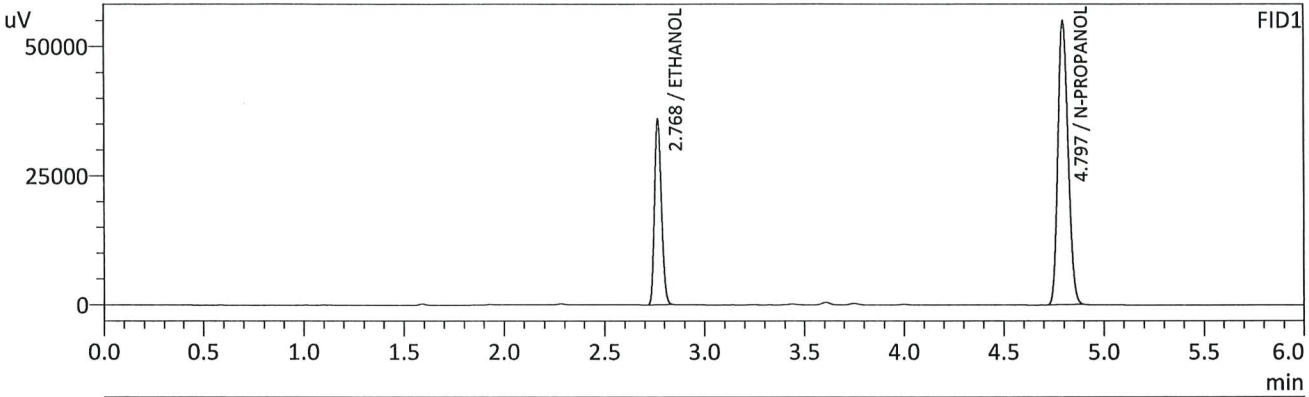
Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

	Reported Results	
	0.206	

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_7112024_031.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 7:31:09 PM
 Date Processed : 7/11/2024 7:37:10 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

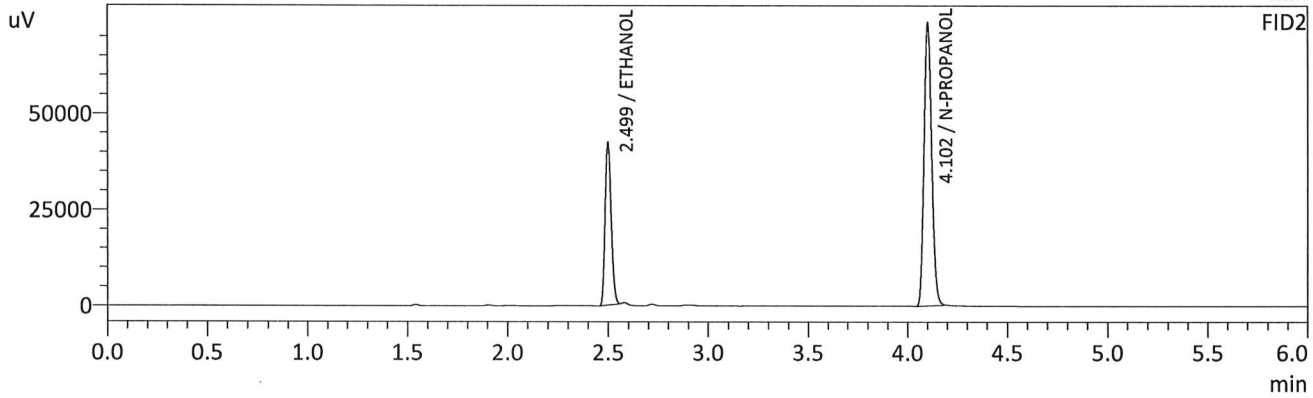
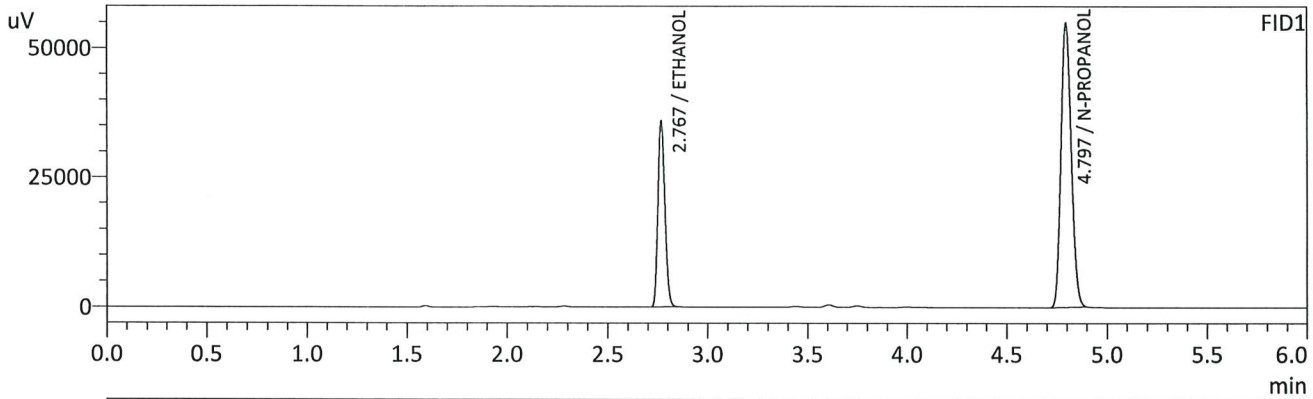
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2070	g/100cc	87137	35554
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195386	54833
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2059	g/100cc	87141	42339
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196985	73043
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_7112024_032.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 7:40:41 PM
 Date Processed : 7/11/2024 7:46:42 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2071	g/100cc	86968	35517
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194883	54769
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2061	g/100cc	86985	42250
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196481	73222
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 7/11/2024 11:00:38 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0882	0.0875	0.0007	0.0878	0.0000	0.0878
(g/100cc)	0.0883	0.0874	0.0009	0.0878		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

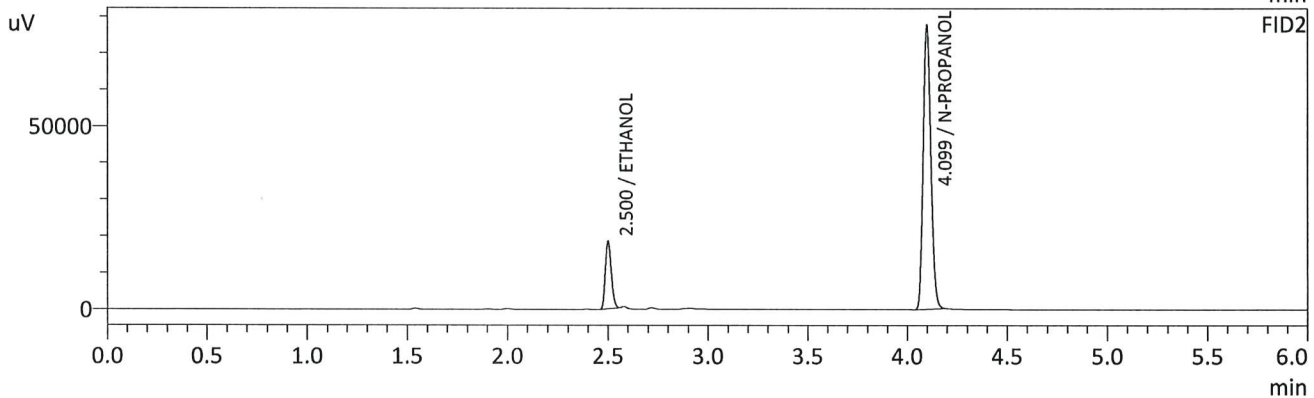
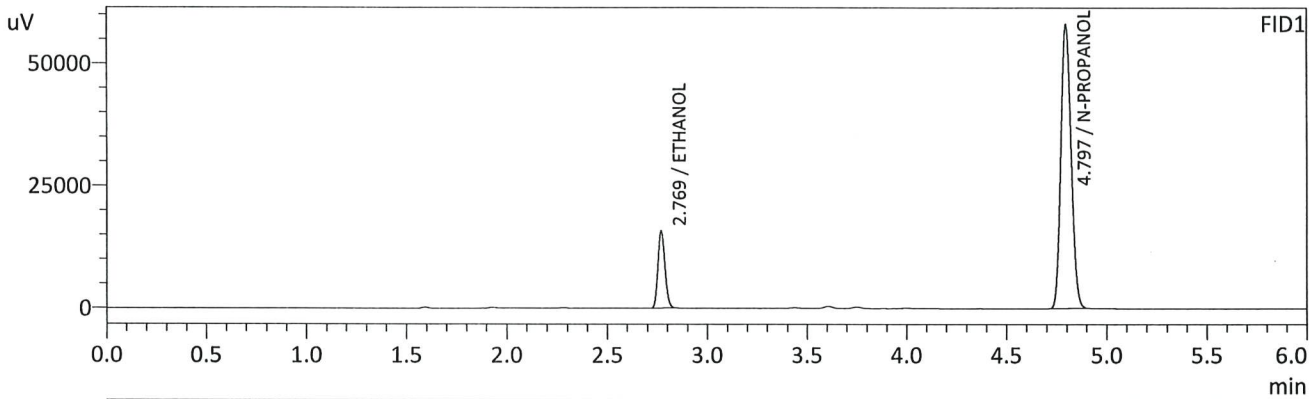
Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.087	0.082	0.092	0.005

	Reported Results	
	0.087	

Calibration and control data are stored centrally.

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_7112024_053.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 11:00:38 PM
 Date Processed : 7/11/2024 11:06:40 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

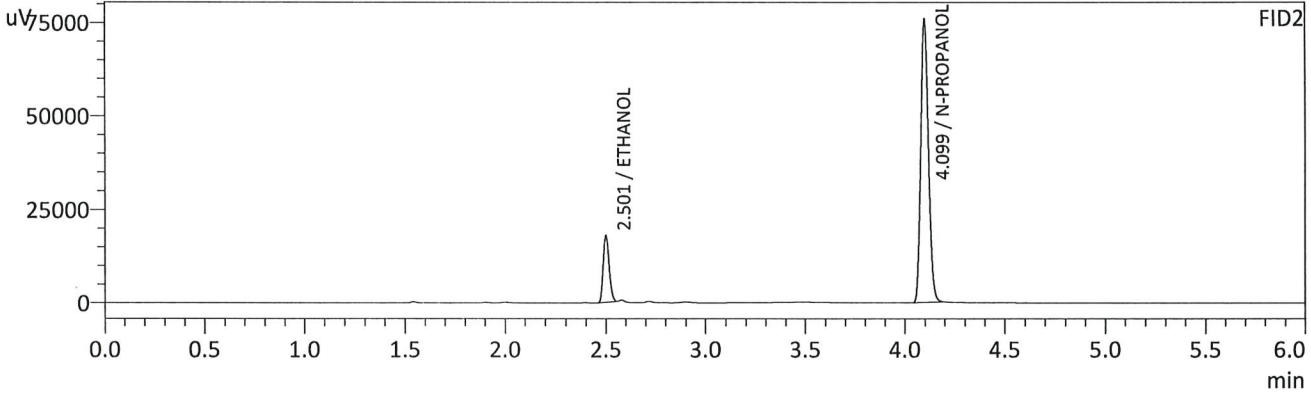
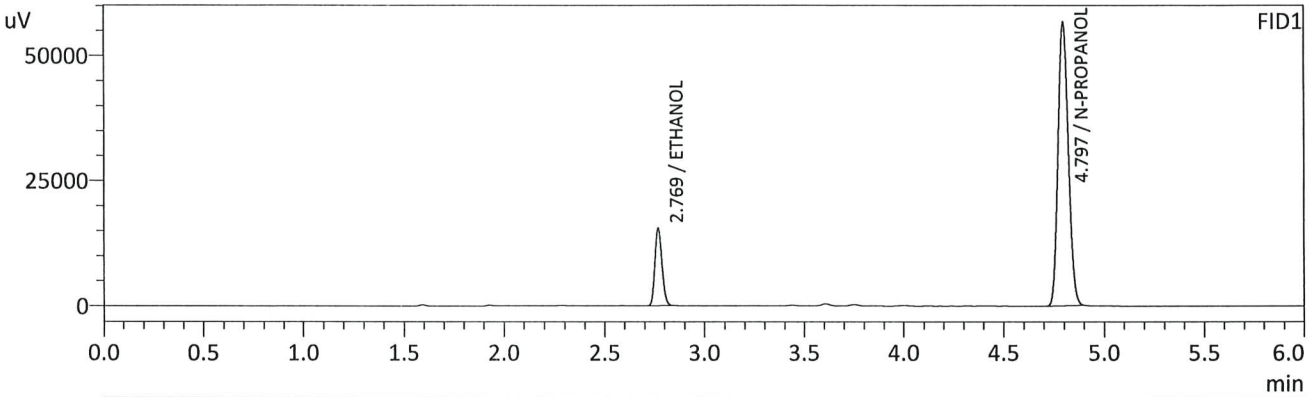
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	38424	15748
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205634	58024
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0875	g/100cc	37713	18280
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207755	77529
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_7112024_054.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 11:09:56 PM
 Date Processed : 7/11/2024 11:15:58 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

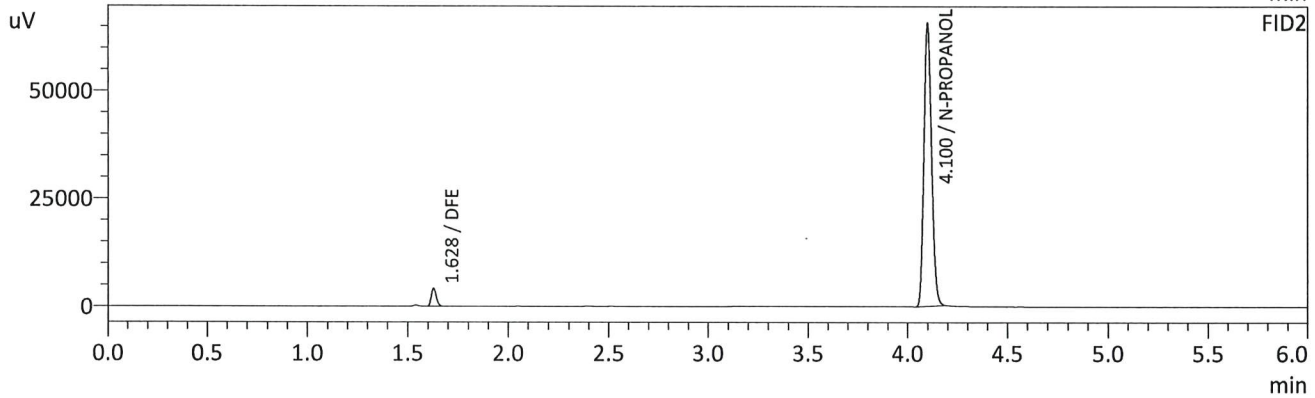
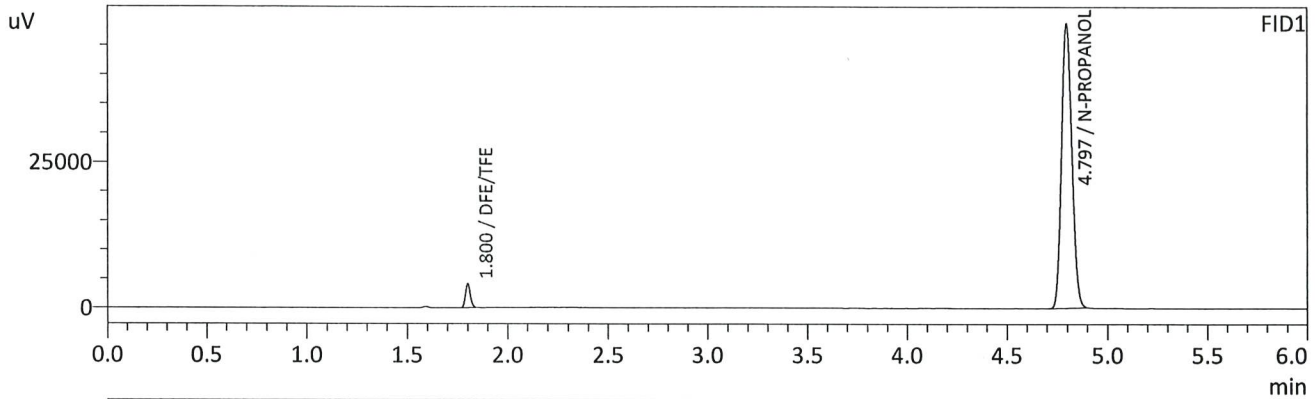
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	37544	15395
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200753	56650
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0874	g/100cc	36793	17745
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202866	75698
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE
 Vial # : 55
 Data Filename : DFE_7112024_055.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 11:19:45 PM
 Date Processed : 7/11/2024 11:25:46 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

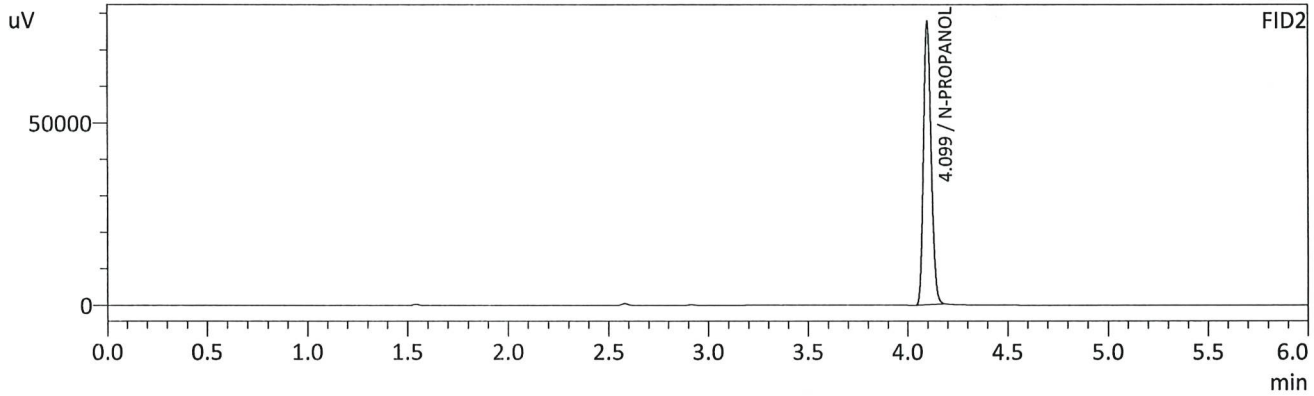
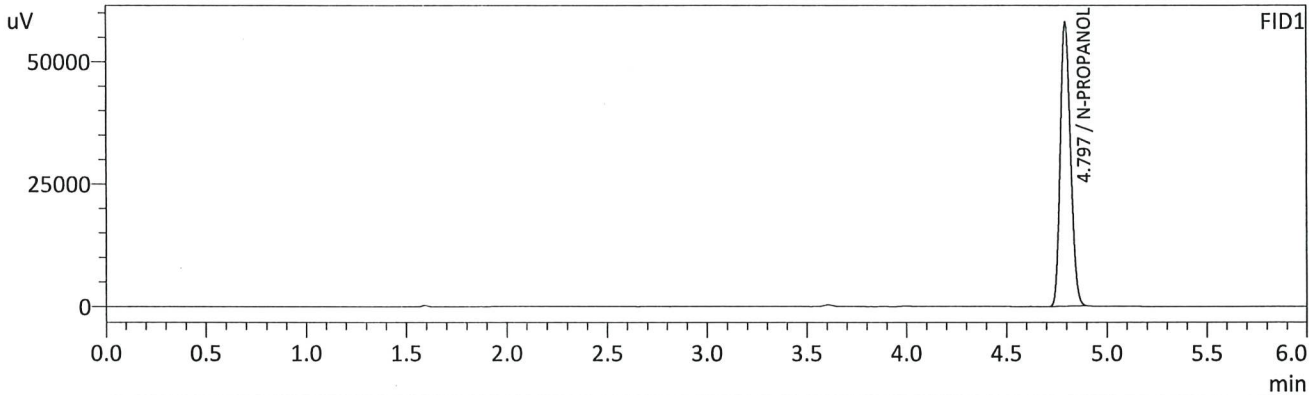
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172317	48650
DFE/TFE	0.0000	g/100cc	6831	4067
DME	--	g/100cc	--	--

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	173926	65719
DFE	0.0000	g/100cc	6993	4104
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 56
 Data Filename : INT STD BLK 3_7112024_056.gcd
 Method Filename : ALCOHOL_071124_RC.gcm
 Batch Filename : BATCH_071124_RC.gcb
 Date Acquired : 7/11/2024 11:29:11 PM
 Date Processed : 7/11/2024 11:35:13 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



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	205028	58002
DFE/TFE	--	g/100cc	--	--
DME	--	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	206941	77544
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CRC

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_071124_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_071124_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_071124_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_071124_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_071124_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_071124_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_071124_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_071124_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_071124_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_071124_RC.gcm		0
13	P2024-1602-2	0:Unknown	ALCOHOL_071124_RC.gcm		0
14	P2024-1602-2-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
15	P2024-1973-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
16	P2024-1973-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
17	P2024-1974-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
18	P2024-1974-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
19	P2024-1993-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
20	P2024-1993-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
21	P2024-1994-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
22	P2024-1994-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
23	P2024-1995-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
24	P2024-1995-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
25	P2024-2021-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
26	P2024-2021-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
27	P2024-2026-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
28	P2024-2026-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
29	P2024-2027-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
30	P2024-2027-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
33	P2024-2031-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
34	P2024-2031-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
35	P2024-2045-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
36	P2024-2045-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
37	P2024-2051-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
38	P2024-2051-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
39	P2024-2052-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
40	P2024-2052-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
41	P2024-2055-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
42	P2024-2055-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
43	P2024-2065-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
44	P2024-2065-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
45	P2024-2075-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
46	P2024-2075-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
47	P2024-2076-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
48	P2024-2076-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
49	P2024-2077-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
50	P2024-2077-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
51	P2024-2078-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
52	P2024-2078-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_071124_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
55	DFE	0:Unknown	ALCOHOL_071124_RC.gcm		0
56	INT STD BLK 3	0:Unknown	ALCOHOL_071124_RC.gcm		0