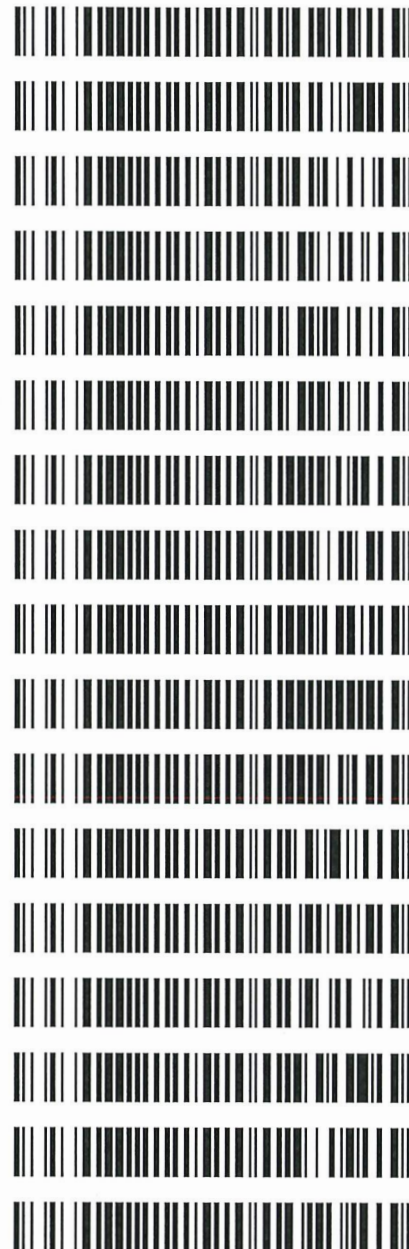


**Worklist: 6896**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2024-2402	1	BCK	Alcohol Analysis
P2024-2403	1	BCK	Alcohol Analysis
P2024-2405	1	BCK	Alcohol Analysis
P2024-2408	1	BCK	Alcohol Analysis
P2024-2410	1	BCK	Alcohol Analysis
P2024-2411	1	BCK	Alcohol Analysis
P2024-2424	1	BCK	Alcohol Analysis
P2024-2426	1	BCK	Alcohol Analysis
P2024-2429	1	BLOOD	Alcohol Analysis
P2024-2431	1	BCK	Alcohol Analysis
P2024-2432	1	BCK	Alcohol Analysis
P2024-2435	1	BCK	Alcohol Analysis
P2024-2438	1	BCK	Alcohol Analysis
P2024-2445	1	BCK	Alcohol Analysis
P2024-2464	1	BCK	Alcohol Analysis
P2024-2467	1	BCK	Alcohol Analysis
P2024-2507	1	BCK	Alcohol Analysis



Also ran P2024-2288-1  
P2024-2301-1 from Worklist 6890

**REVIEWED**

By Jeremy Johnston at 10:17 am, Aug 16, 2024

## Quantitative Analysis for Ethanol &amp; 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): 08/14/2024

Calibration Date: (if different) : 08/06/2024

Worklist #: 6896

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0818 g/100cc	
					0.0894 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2044 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:			Column 1	0.99993	Column2	0.99989

## Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0512	0.0517	0.0005	0.0514
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1986	0.1982	0.0004	0.1984
300	0.300	0.270 - 0.330	0.2981	0.2979	0.0002	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5014	0.5016	0.0002	0.5015

## Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

RC

### Internal Standard Monitoring Worksheet

<b>Worklist #:</b>	<b>6896</b>	<b>Run Date(s):</b>	<b>08/14/2024</b>
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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	181429	181509
0.080	180549	180562
QC1	188074	188732
QC1	188243	188767
QC1	196359	198830
QC1	195848	198121
QC1		
QC1		
QC2	187758	189678
QC2	187655	189503
QC2		
QC2		
QC2		
QC2		

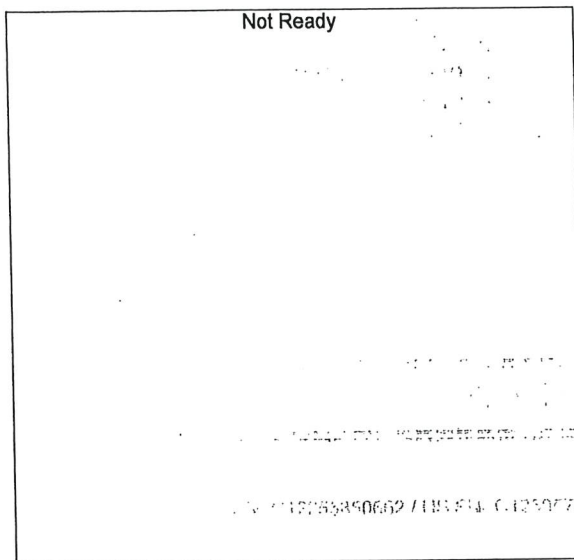
	Average	(-)20%	(+)20%
Column 1	188239.4	150591.5	225887.3
Column 2	189462.8	151570.2	227355.3

*RC*

# Calibration Table

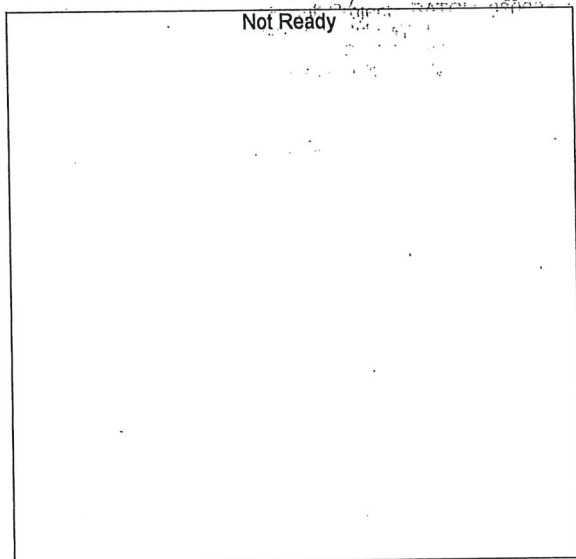
Laboratory: Pocatello  
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>  
 Method File :Default Project - ALCOHOL\_080624\_RC.gcm  
 Batch File :Default Project - BATCH\_080624\_RC.gcb  
 Date Acquired :8/6/2024 3:17:47 PM  
 Date Created :8/6/2024 3:14:17 PM  
 Date Modified :8/7/2024 9:32:43 AM



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

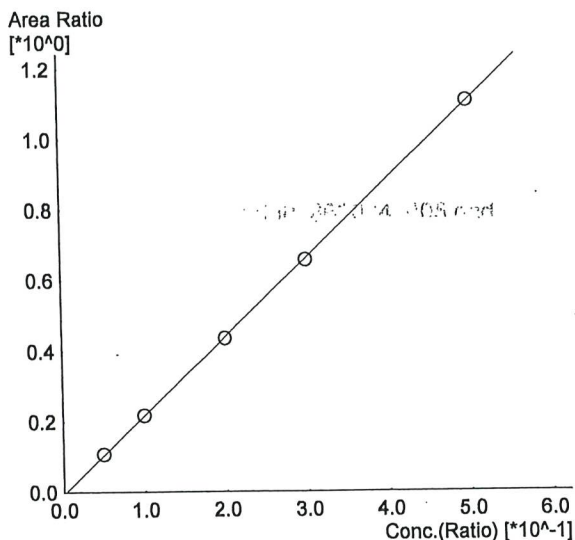
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

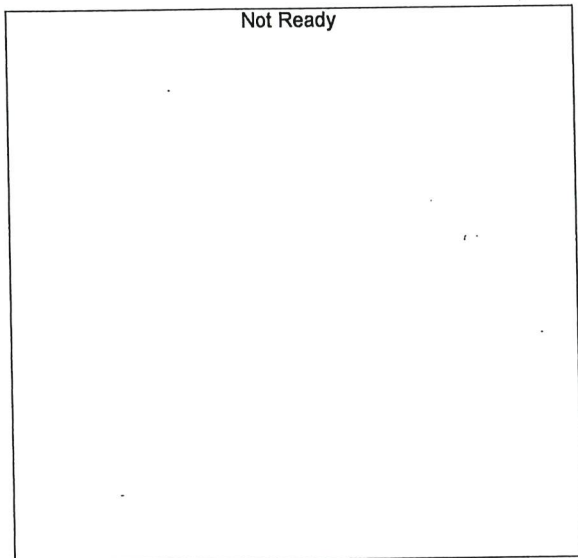
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

*RC*



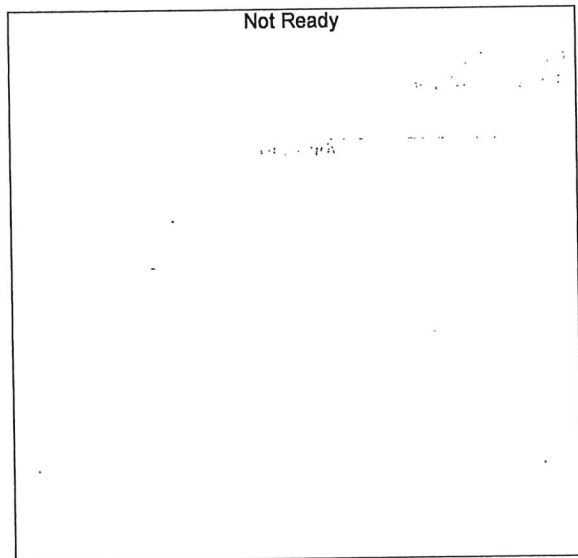
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.22245*x-0.00661759$   
 R<sup>2</sup> value= 0.9999306 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20301	0.0512	0.050_862024_001.gcd
2	0.100	41158	0.1004	0.100_862024_002.gcd
3	0.200	83701	0.1986	0.200_862024_003.gcd
4	0.300	126376	0.2981	0.300_862024_004.gcd
5	0.500	214141	0.5014	0.500_862024_005.gcd



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

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



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

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

RC

Not Ready

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

Not Ready

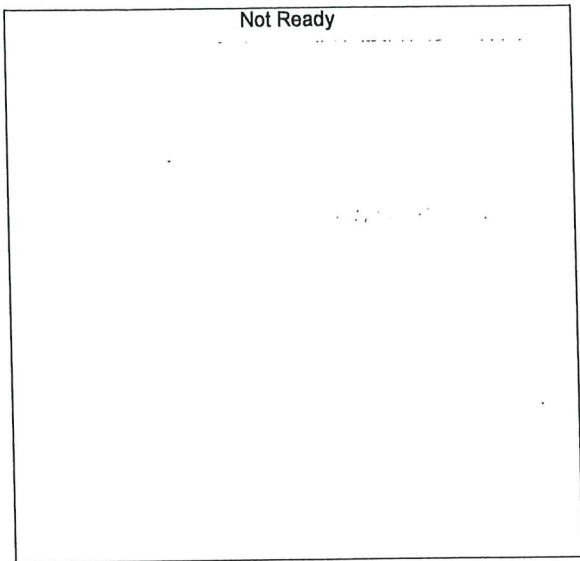
Name : DME  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

Not Ready

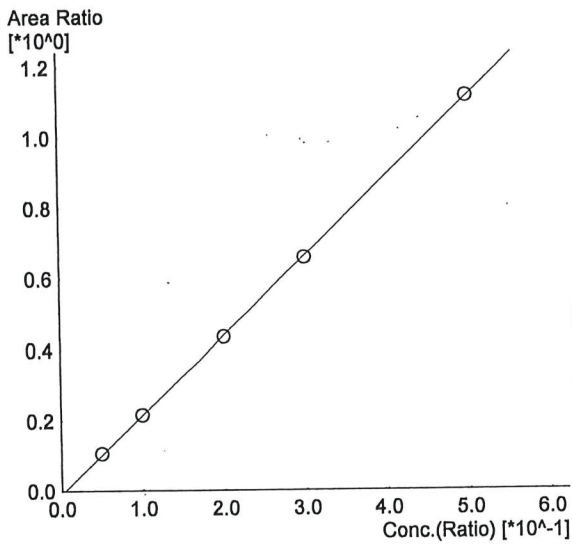
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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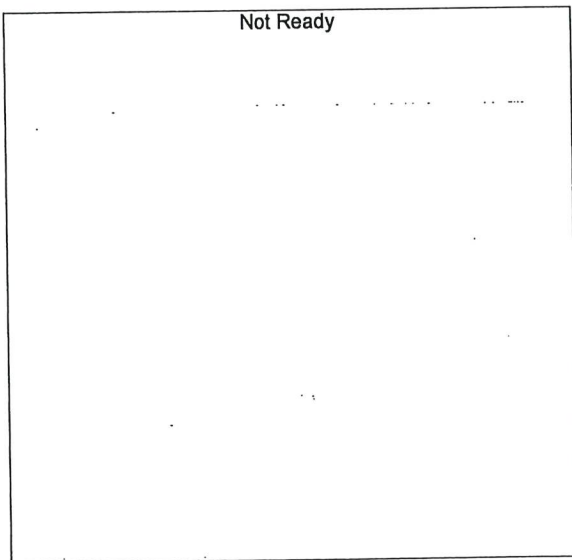
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.24520*x-0.0104086$   
 R<sup>2</sup> value= 0.9998972 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20210	0.0517	0.050_862024_001.gcd
2	0.100	41134	0.1003	0.100_862024_002.gcd
3	0.200	84180	0.1982	0.200_862024_003.gcd
4	0.300	127560	0.2979	0.300_862024_004.gcd
5	0.500	216905	0.5016	0.500_862024_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
---	-------	------	------------	----------------

*RC*

Not Ready

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

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

Not Ready

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

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

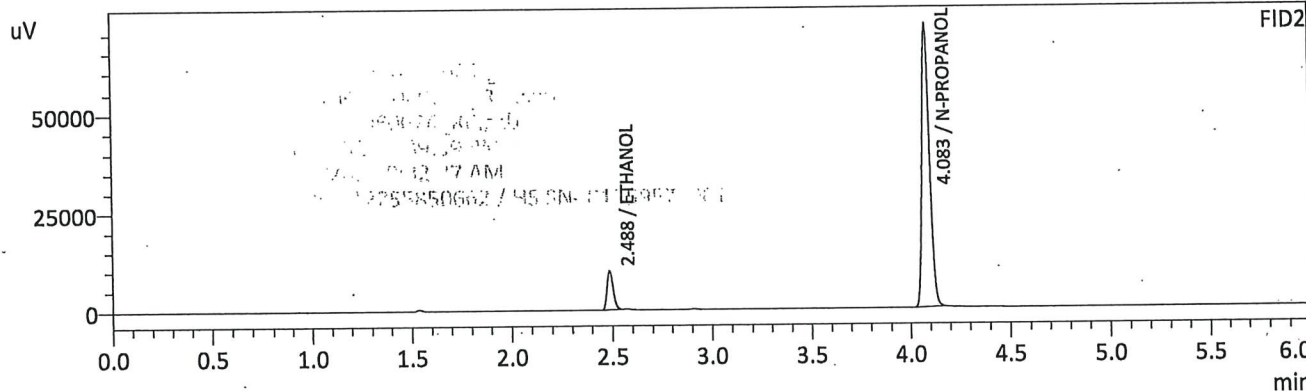
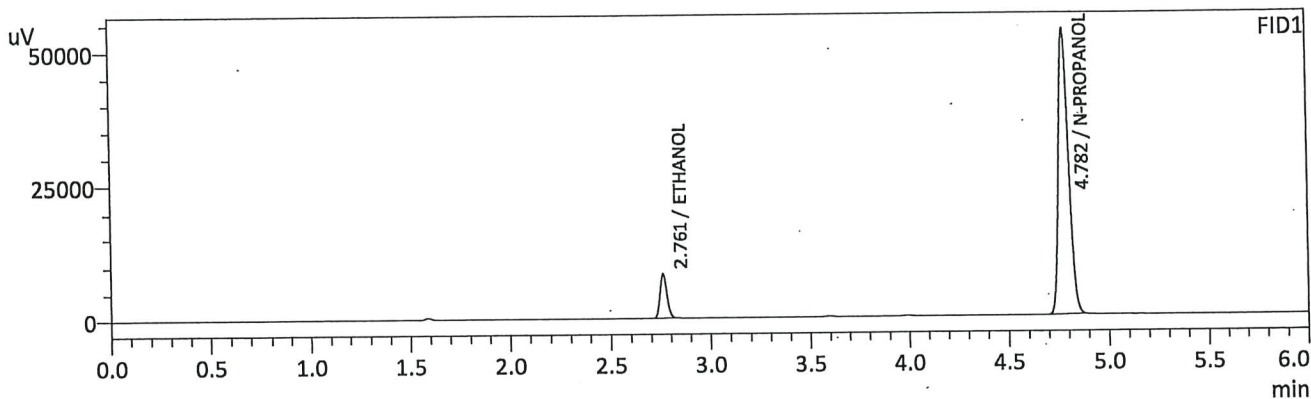
Not Ready

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

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



Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_862024\_001.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_080624\_RC.gcb  
 Date Acquired : 8/6/2024 2:39:39 PM  
 Date Processed : 8/7/2024 9:32:27 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

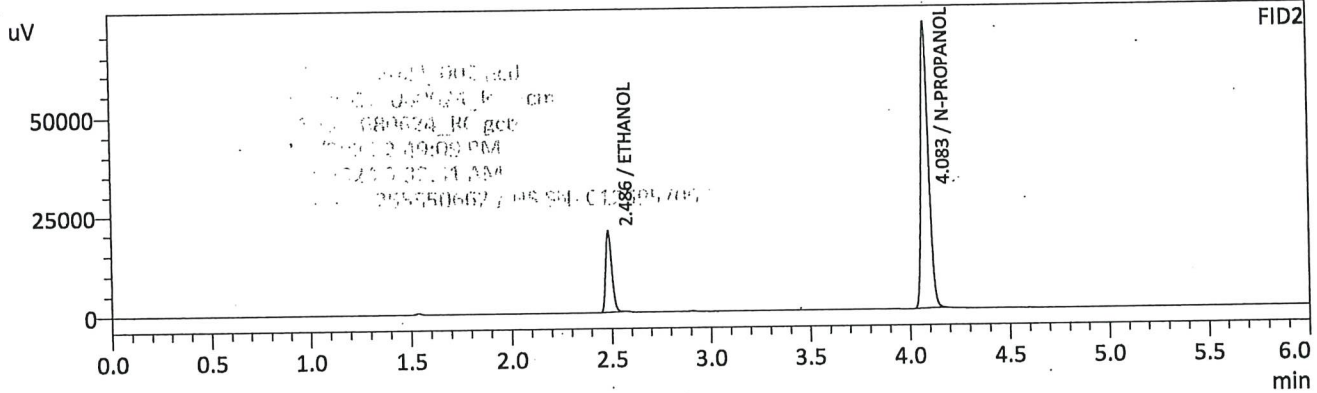
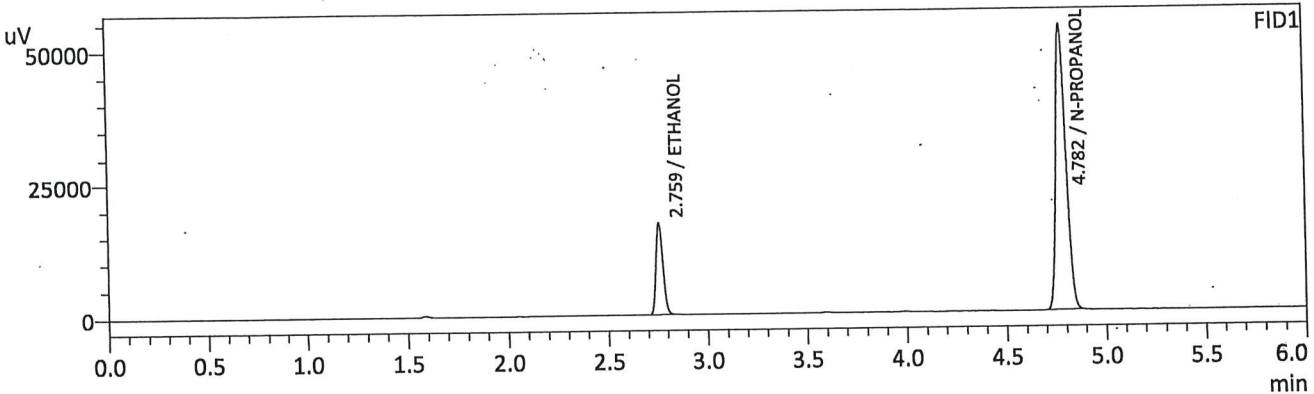
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0512	g/100cc	20301	8384
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189148	53374
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	20210	9604
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191109	71106
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_862024\_002.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_080624\_RC.gcb  
 Date Acquired : 8/6/2024 2:49:09 PM  
 Date Processed : 8/7/2024 9:32:31 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

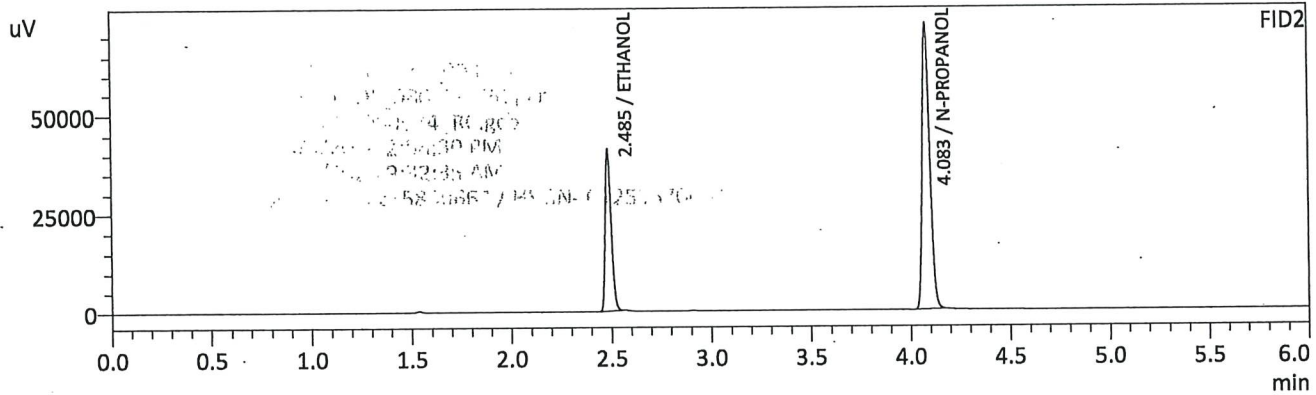
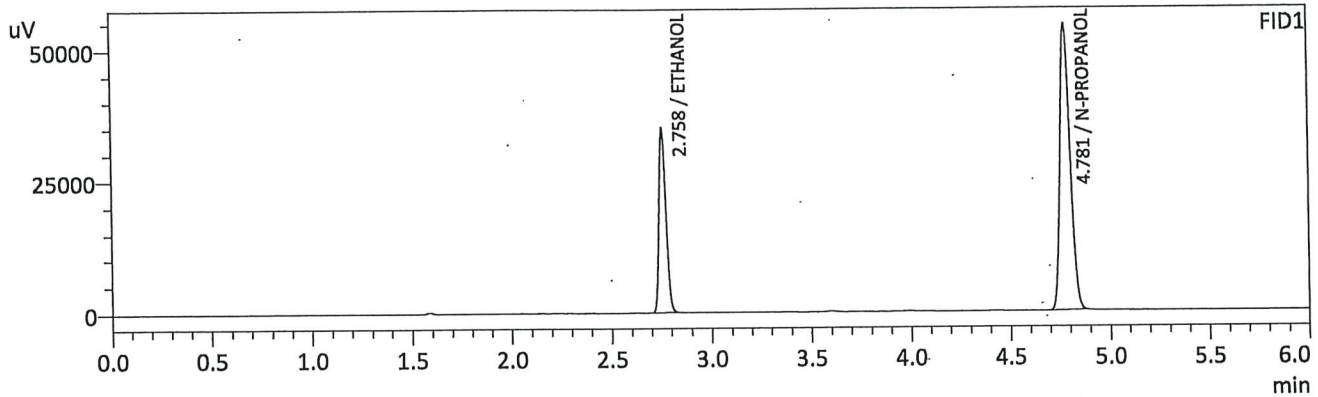
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	41158	17028
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189945	53573
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	41134	19992
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191337	71388
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_862024\_003.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_080624\_RC.gcb  
 Date Acquired : 8/6/2024 2:58:30 PM  
 Date Processed : 8/7/2024 9:32:35 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

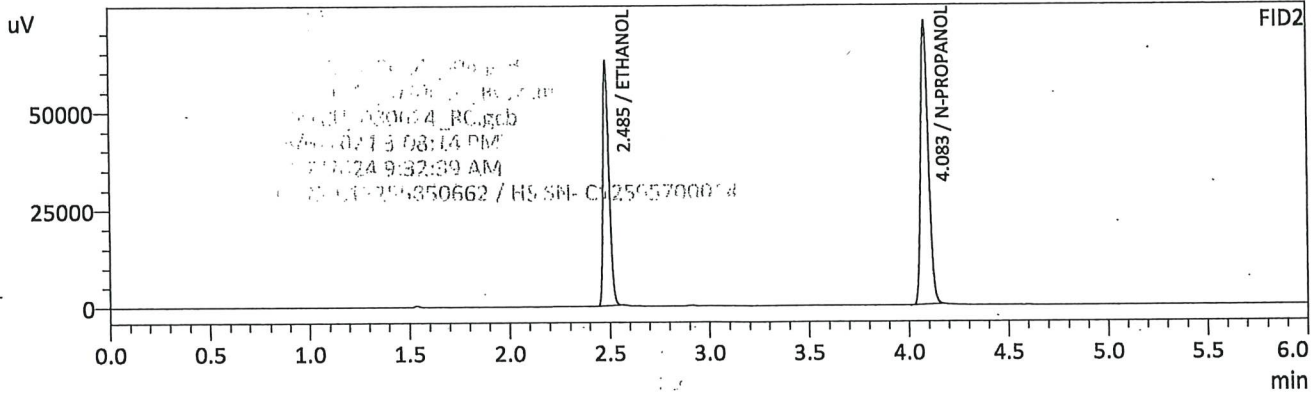
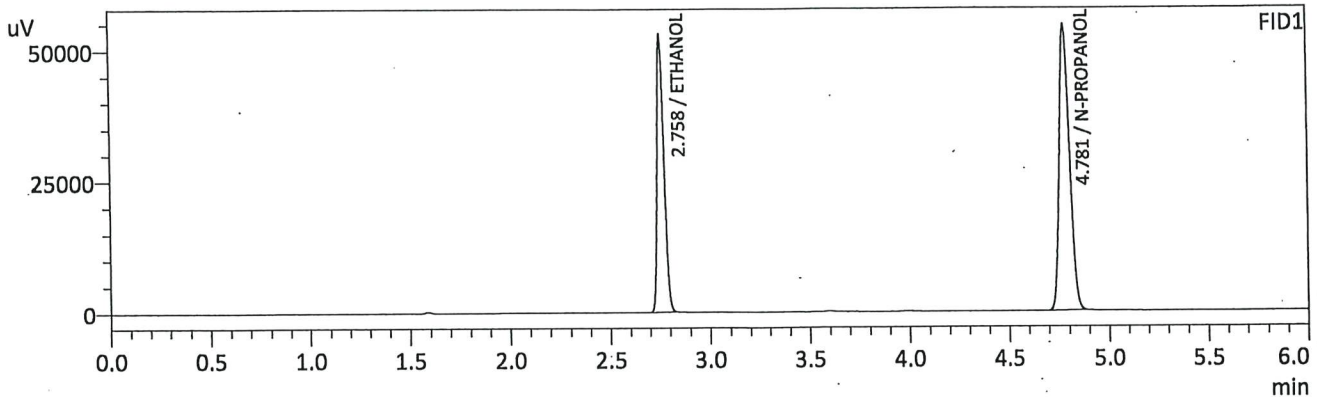
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	83701	34605
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192447	54354
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	84180	41175
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193687	72229
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature or initials.*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_862024\_004.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_080624\_RC.gcb  
 Date Acquired : 8/6/2024 3:08:14 PM  
 Date Processed : 8/7/2024 9:32:39 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

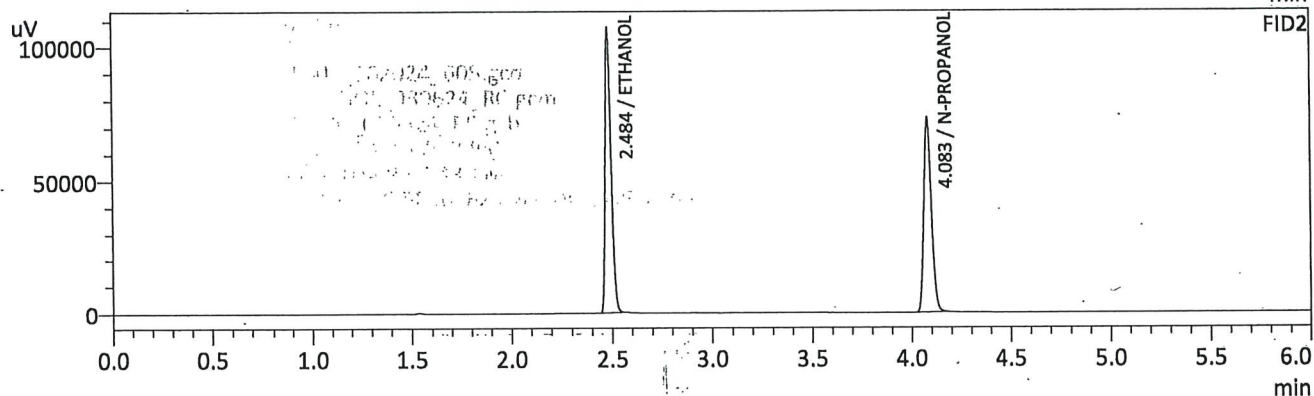
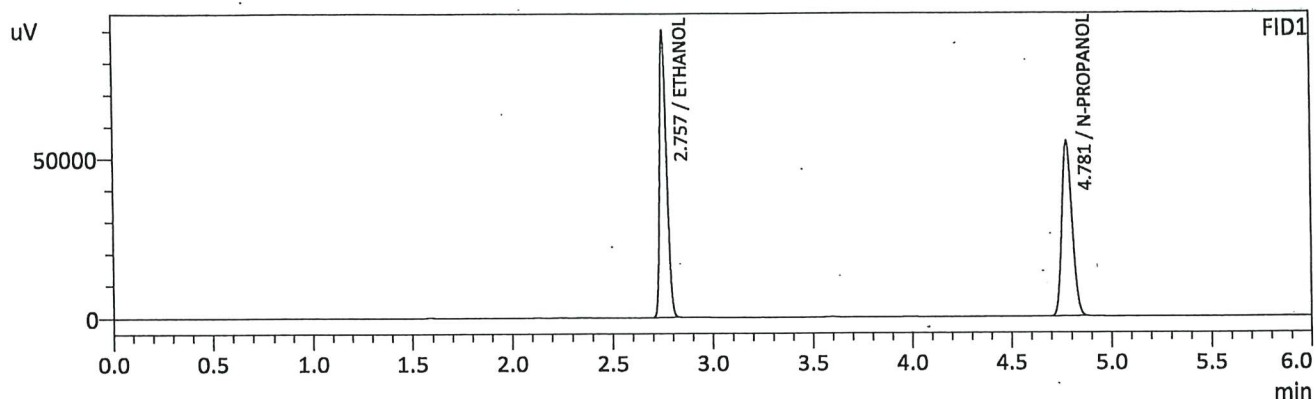
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2981	g/100cc	126376	52647
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192628	54581
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2979	g/100cc	127560	62487
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193670	72120
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_862024\_005.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_080624\_RC.gcb  
 Date Acquired : 8/6/2024 3:17:47 PM  
 Date Processed : 8/7/2024 9:32:43 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

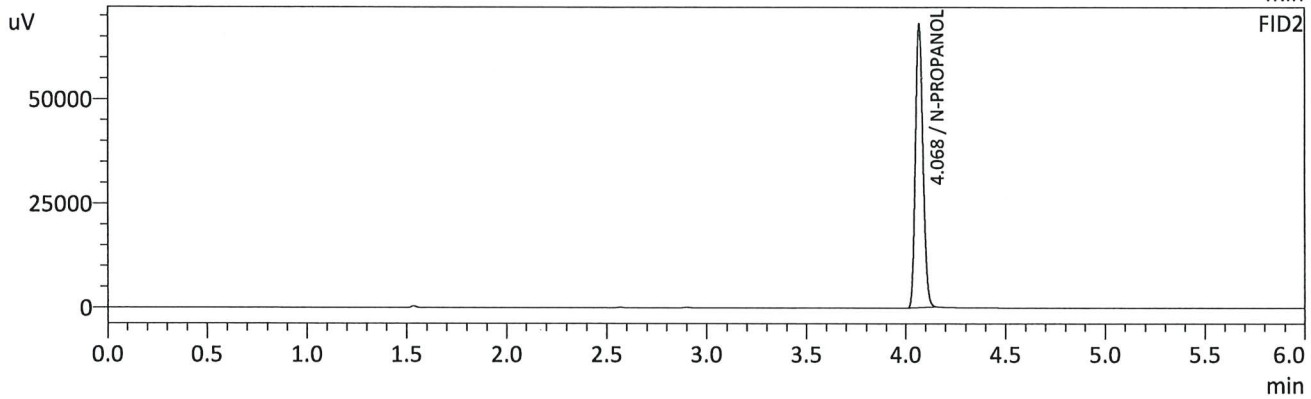
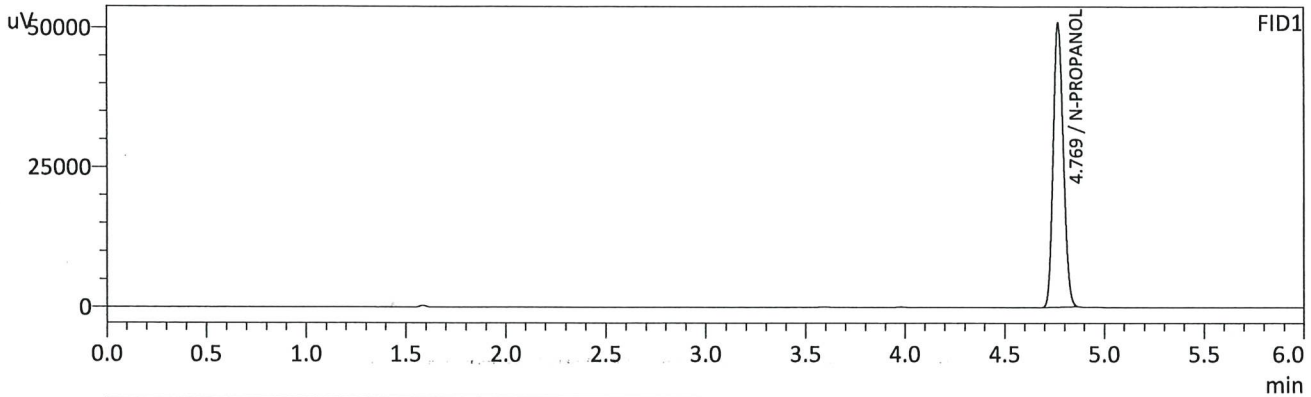
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5014	g/100cc	214141	89712
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193317	54699
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	216905	106589
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194371	72810
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*GC*

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_8142024\_001.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 12:09:15 PM  
 Date Processed : 8/15/2024 8:42:15 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

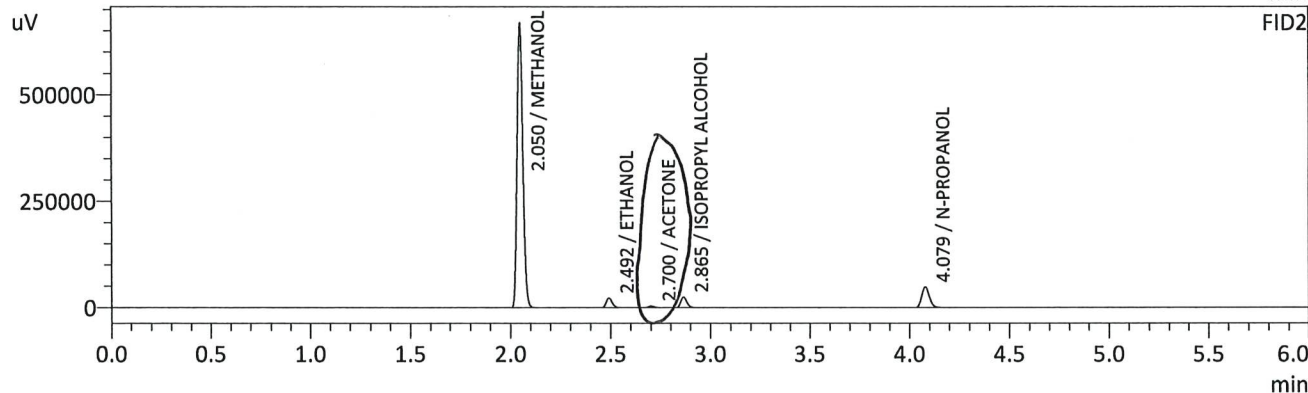
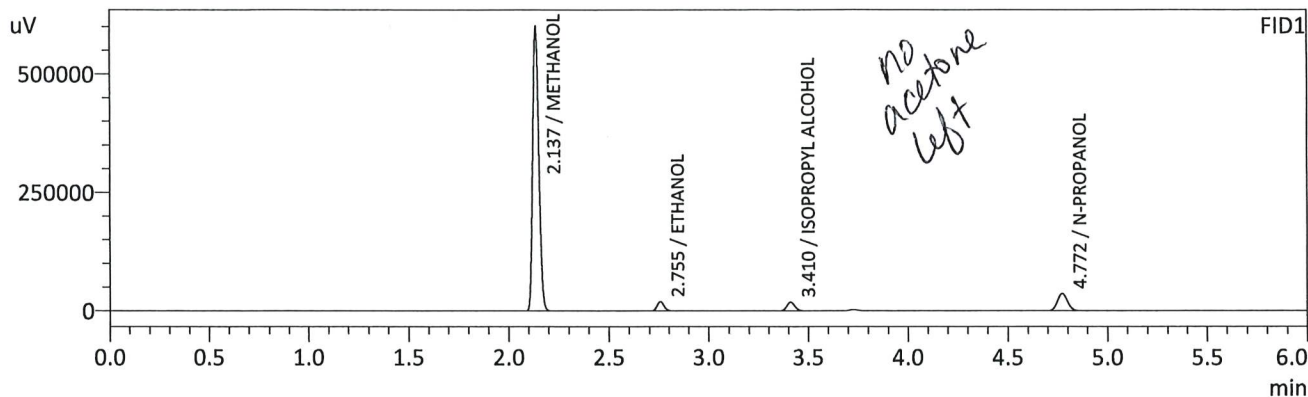
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179051	50669
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	181103	67836
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_8142024\_002.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 12:18:44 PM  
 Date Processed : 8/15/2024 8:42:22 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1293083	594910
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1653	g/100cc	45877	19162
ISOPROPYL ALCOHOL	0.0000	g/100cc	51447	18161
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	127101	36187
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

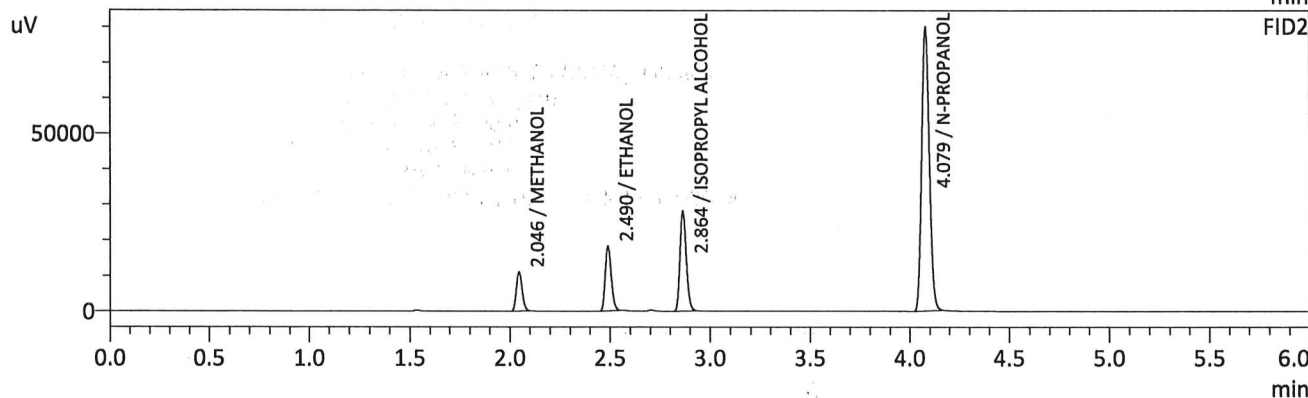
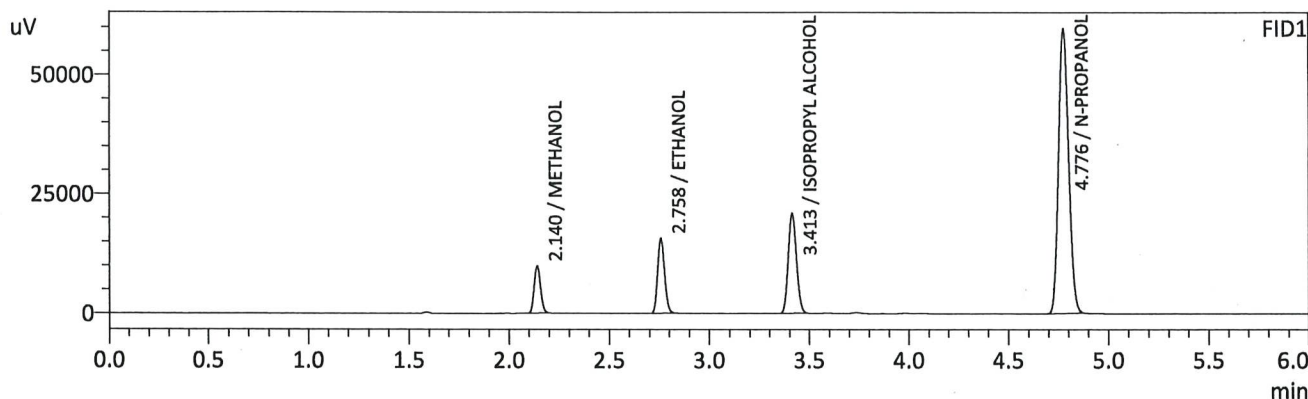
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	1326088	661327
ETHANOL	0.1647	g/100cc	45349	22003
ACETONE	0.0000	g/100cc	7075	3477
ISOPROPYL ALCOHOL	0.0000	g/100cc	52136	24191
N-PROPANOL	0.0000	g/100cc	126131	47522
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CRC*

Sample Name : NEW MIXED VOLATILES  
 Vial # : 50  
 Data Filename : NEW MIXED VOLATILES\_8142024\_045.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 8:43:54 PM  
 Date Processed : 8/14/2024 8:49:56 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

*No acetone*



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	21567	9815
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0837	g/100cc	37721	15537
ISOPROPYL ALCOHOL	0.0000	g/100cc	59561	20831
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	210071	59567
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

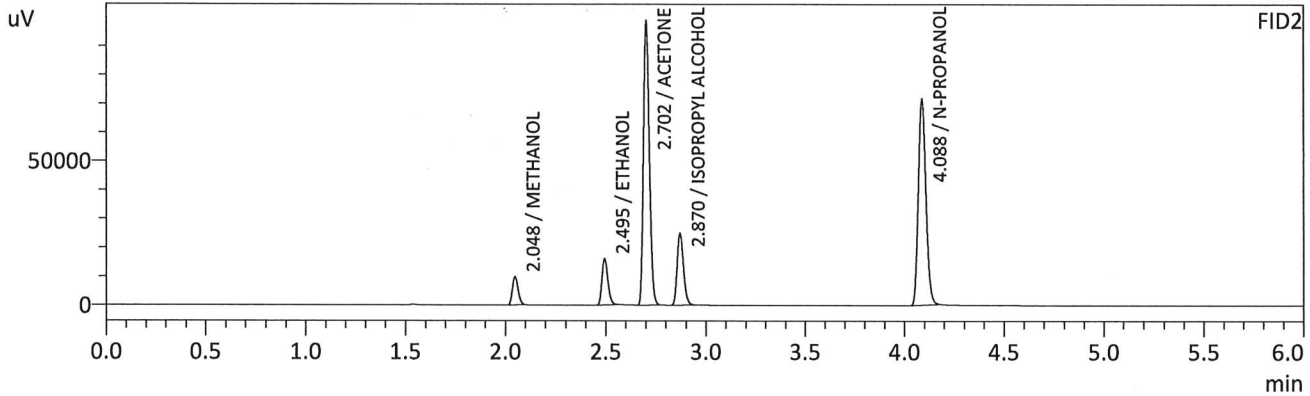
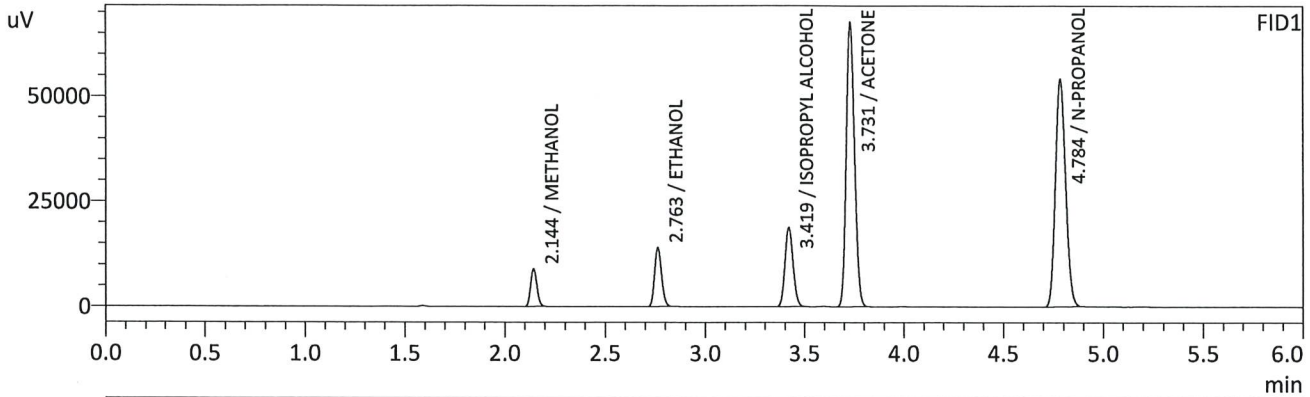
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	22210	10959
ETHANOL	0.0833	g/100cc	37570	18152
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	0.0000	g/100cc	61011	27971
N-PROPANOL	0.0000	g/100cc	212474	79212
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



Sample Name : VOLATILES MIX  
 Vial # : 1  
 Data Filename : VOLATILES MIX\_8152024\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : VOLATILES MIX.gcb  
 Date Acquired : 8/15/2024 2:40:24 PM  
 Date Processed : 8/15/2024 2:46:27 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

Added acetone 8/15/24



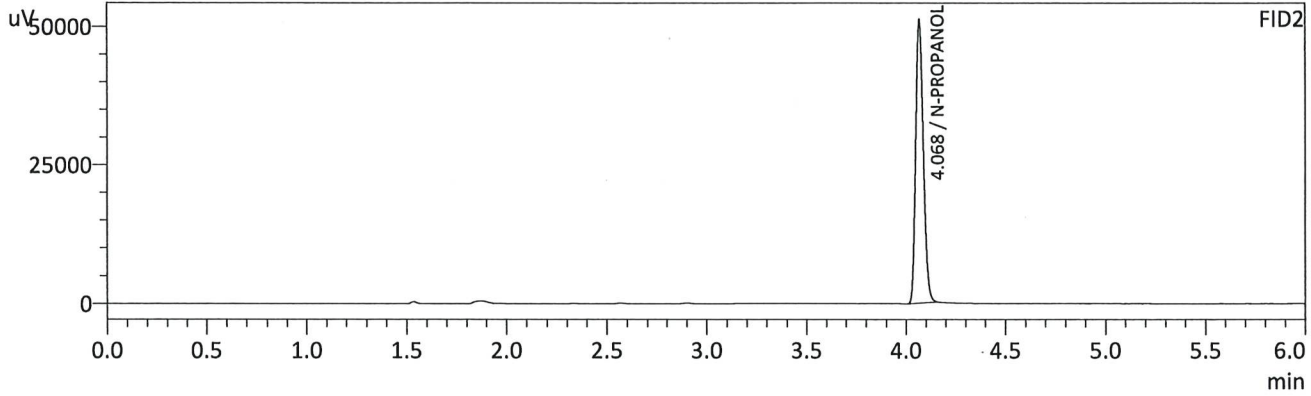
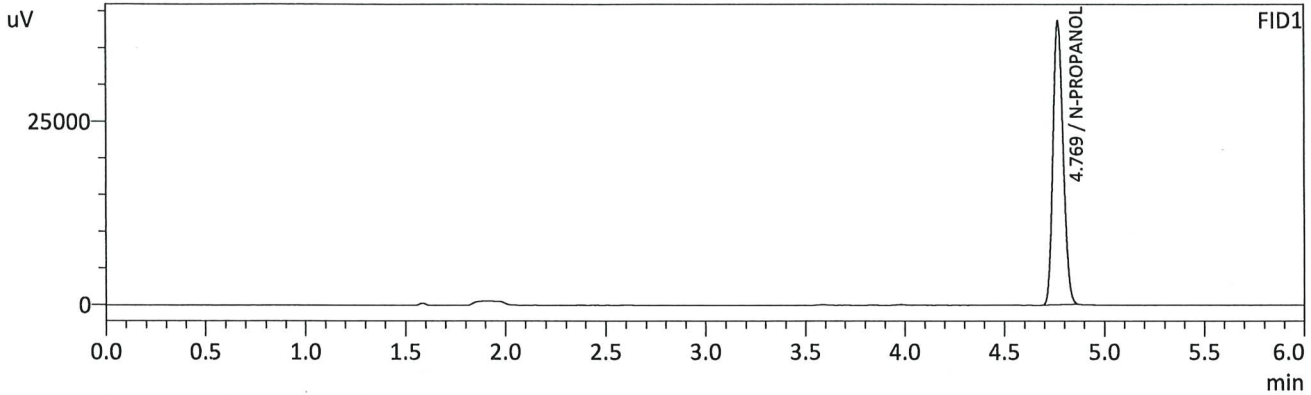
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	19355	8902
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0852	g/100cc	33572	13848
ISOPROPYL ALCOHOL	0.0000	g/100cc	53282	18728
ACETONE	0.0000	g/100cc	196229	67515
N-PROPANOL	0.0000	g/100cc	190376	53928
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	19528	9696
ETHANOL	0.0853	g/100cc	32891	15966
ACETONE	0.0000	g/100cc	202038	97343
ISOPROPYL ALCOHOL	0.0000	g/100cc	53776	24638
N-PROPANOL	0.0000	g/100cc	189983	71283
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_8142024\_003.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 12:28:05 PM  
 Date Processed : 8/15/2024 8:42:25 AM  
 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	136162	38521
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	135893	51070
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 8/14/2024 12:37:50 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0821	0.0818	0.0003	0.0819	0.0002	0.0818
(g/100cc)	0.0818	0.0816	0.0002	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_080624\_RC.gcm

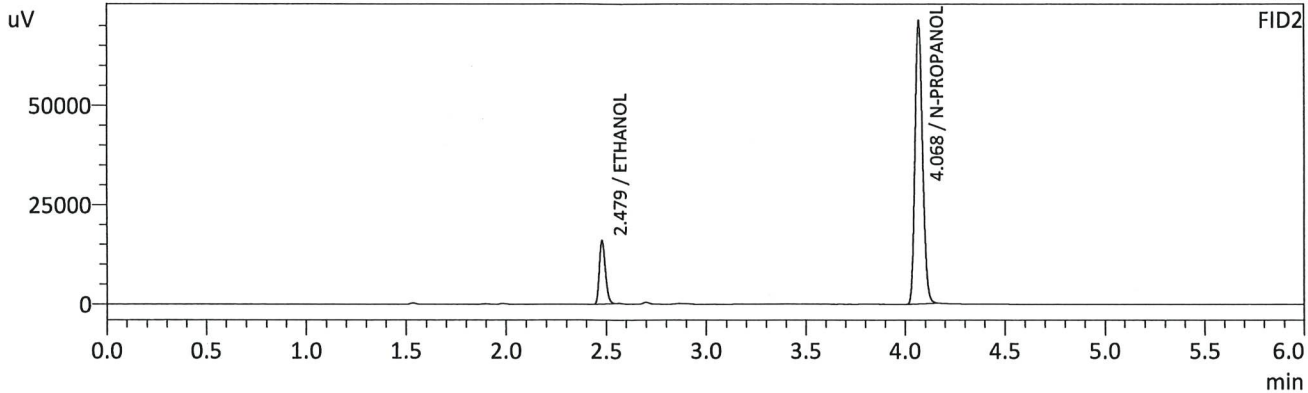
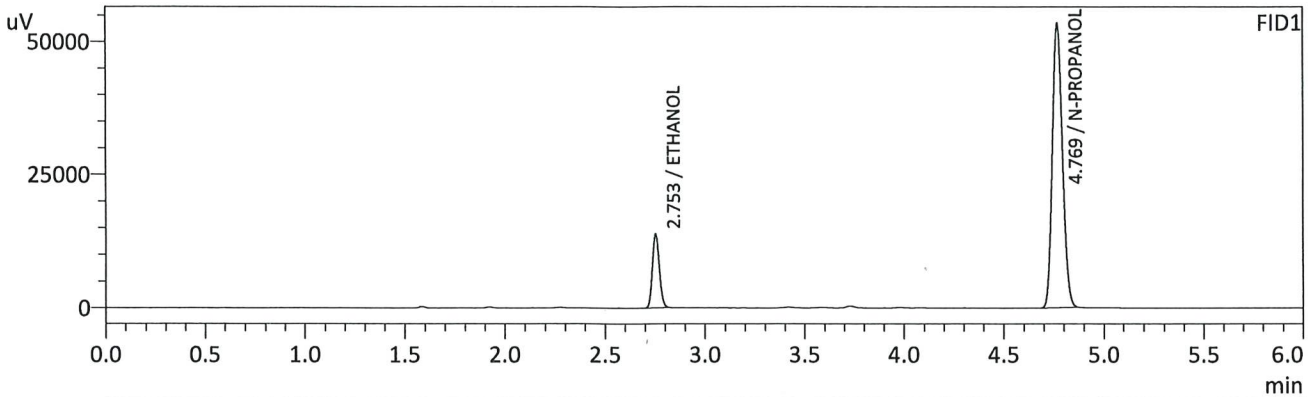
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

*CAC*

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_8142024\_004.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 12:37:50 PM  
 Date Processed : 8/15/2024 8:42:28 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

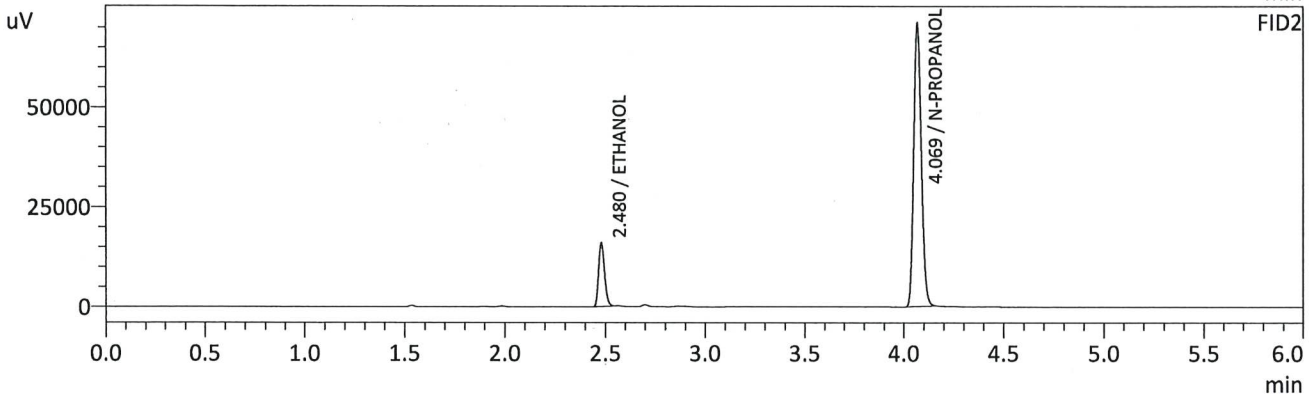
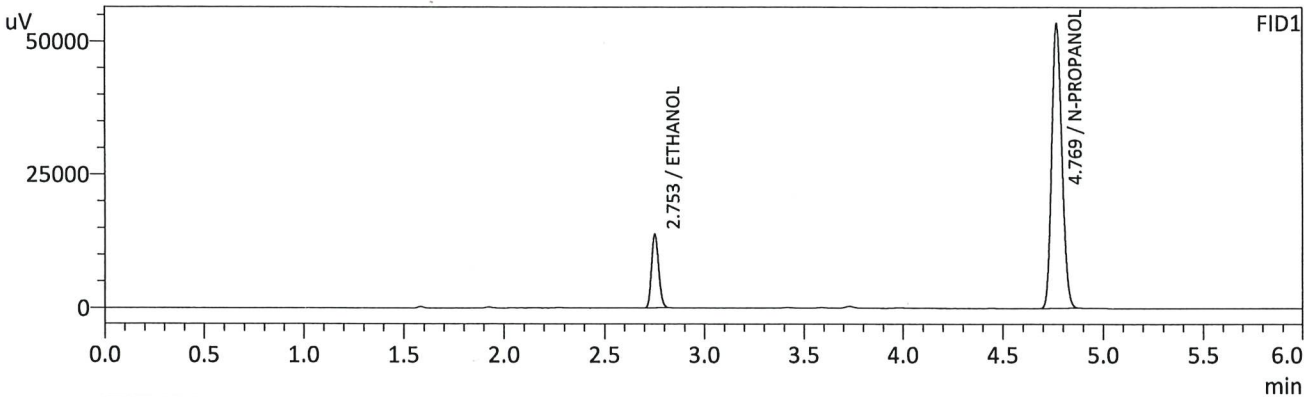
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0821	g/100cc	33090	13752
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188074	53260
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	32728	15851
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188732	71005
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_8142024\_005.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 12:47:21 PM  
 Date Processed : 8/15/2024 8:42:32 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	32984	13666
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188243	53128
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	32632	15867
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188767	70737
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 008 QA		Analysis Date(s): 8/14/2024 1:45:04 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0810	0.0000	0.0810	0.0003	0.0811
(g/100cc)	0.0814	0.0812	0.0002	0.0813		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_080624\_RC.gcm

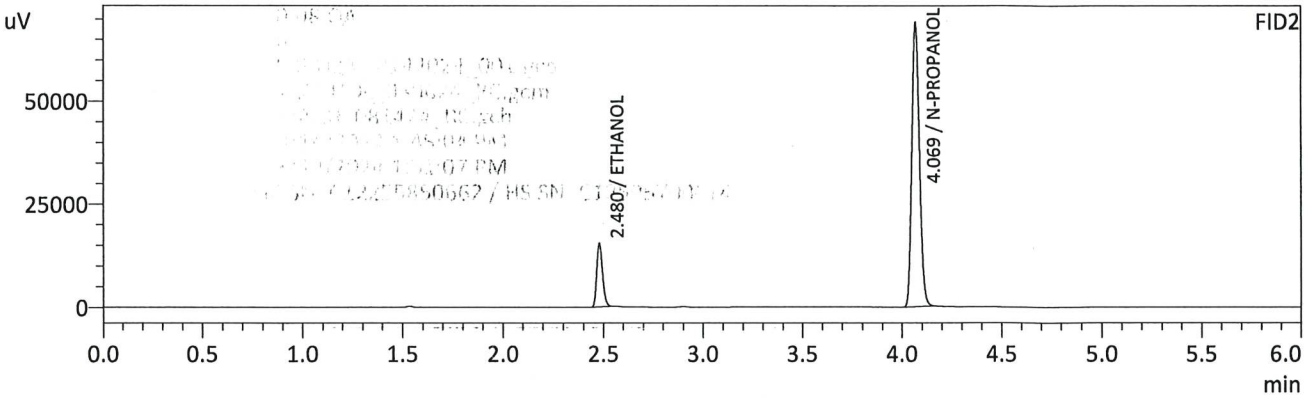
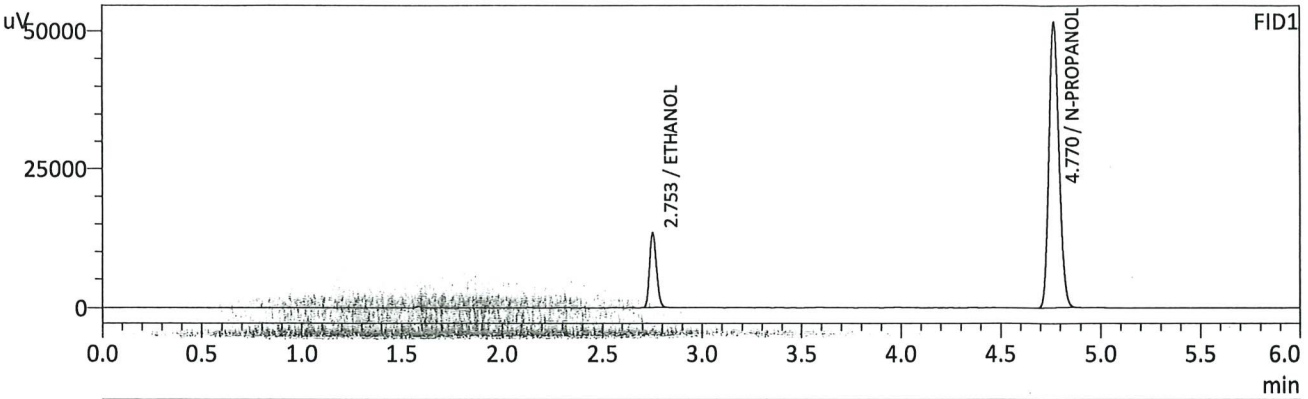
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Laboratory No: 008 QA Column 1 FID A	Reported Results	
	Column 2 FID B	Column 0.081 Precision

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_8142024\_001.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 1:45:04 PM  
 Date Processed : 8/14/2024 1:51:07 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

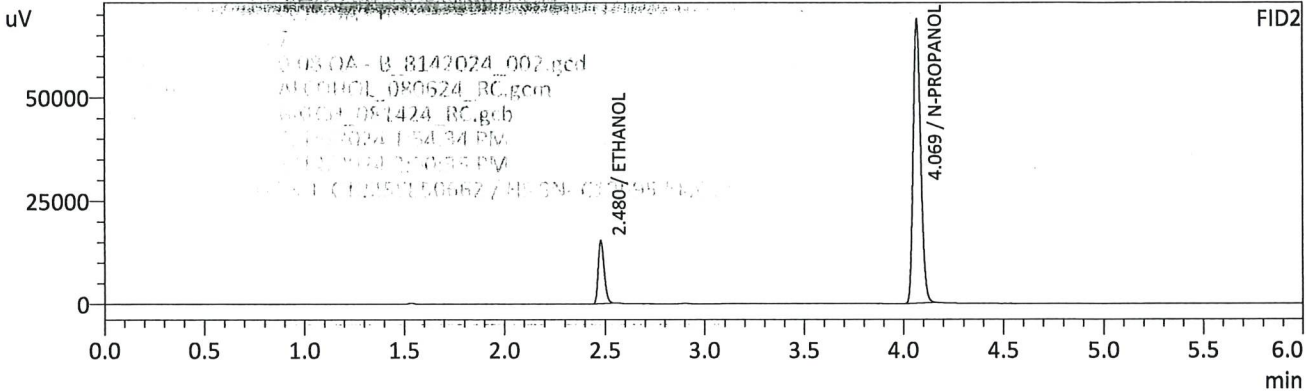
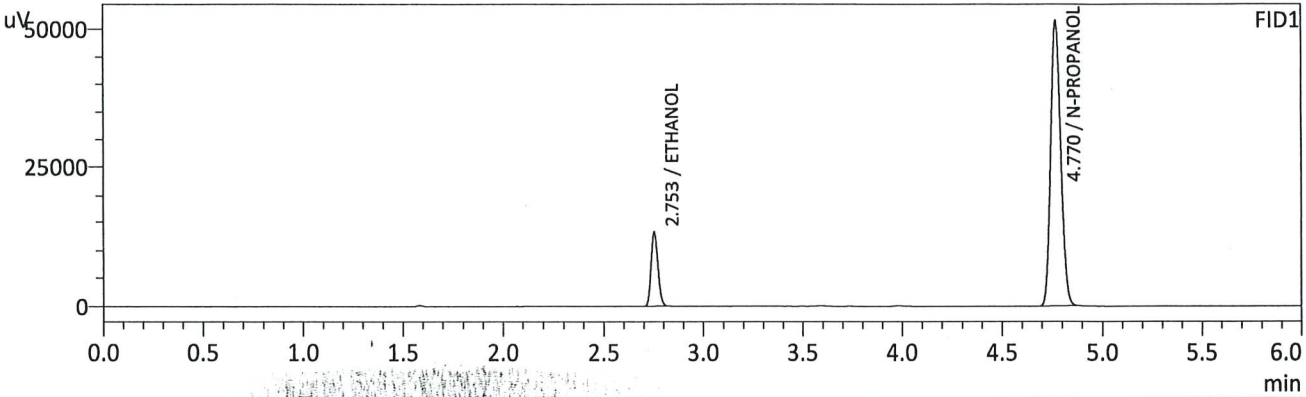
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	31489	13162
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181429	51383
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	31133	15267
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181509	68645
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.08 QA - B **0.08 QA-B**  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_8142024\_002.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 1:54:34 PM  
 Date Processed : 8/14/2024 2:00:35 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	31476	13141
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180549	51285
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	31045	15226
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180562	68382
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 8/14/2024 4:55:18 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2034	0.2033	0.0001	0.2033	0.0022	0.2044
(g/100cc)	0.2057	0.2054	0.0003	0.2055		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

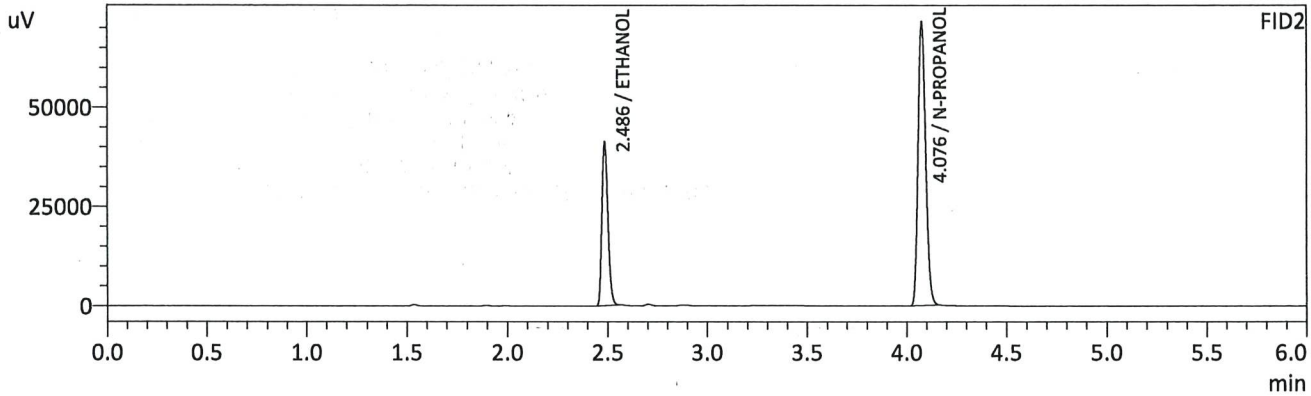
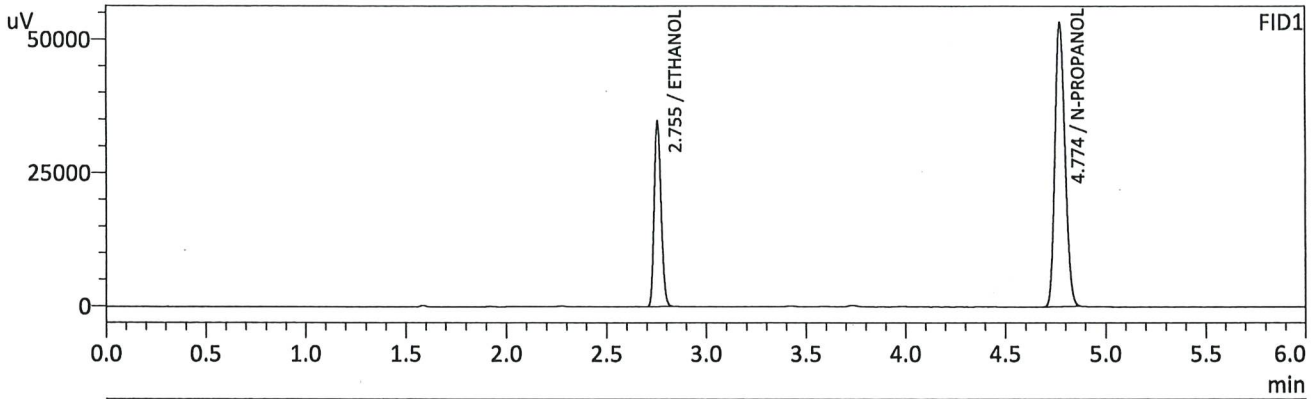
Refer To Instrument Method: ALCOHOL\_080624\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.204	0.193	0.215	0.011

	Reported Results
	0.204

Calibration and control data are stored centrally.

Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_8142024\_021.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 4:55:18 PM  
 Date Processed : 8/14/2024 5:01:20 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

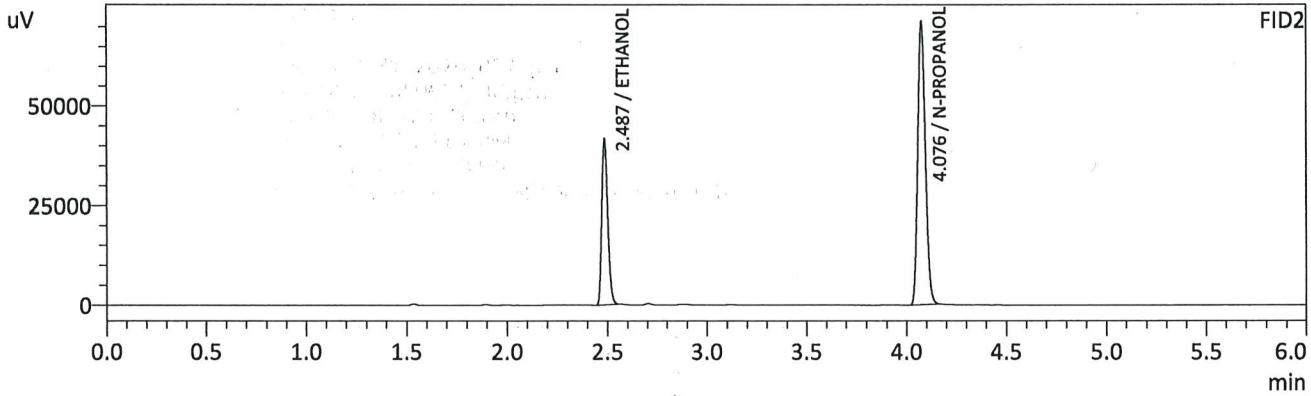
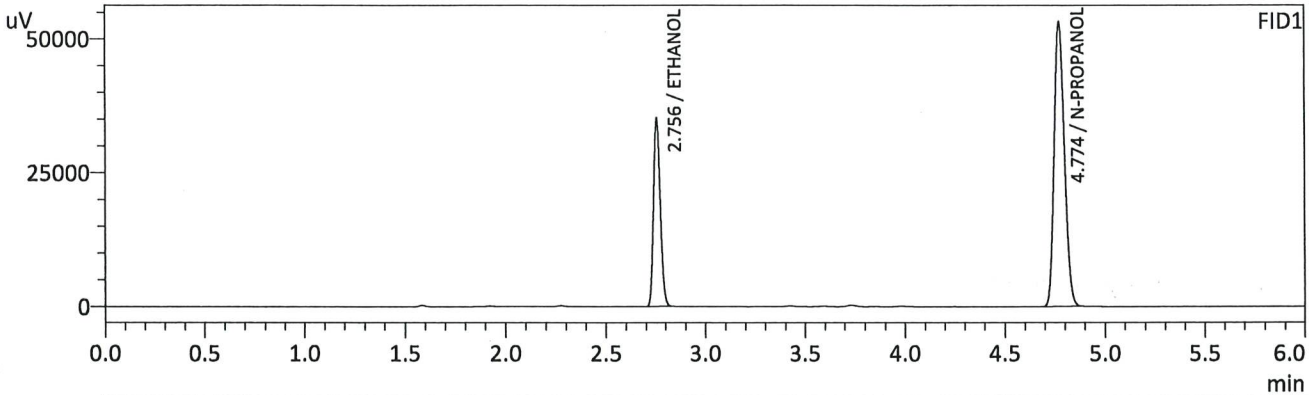
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2034	g/100cc	83667	34662
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187758	53019
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2033	g/100cc	84612	41038
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189678	71360
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_8142024\_022.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 5:05:02 PM  
 Date Processed : 8/14/2024 5:11:03 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2057	g/100cc	84554	35110
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187655	52995
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2054	g/100cc	85450	41361
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189503	71173
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 8/14/2024 8:25:07 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0900	0.0893	0.0007	0.0896	0.0004	0.0894
(g/100cc)	0.0895	0.0889	0.0006	0.0892		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

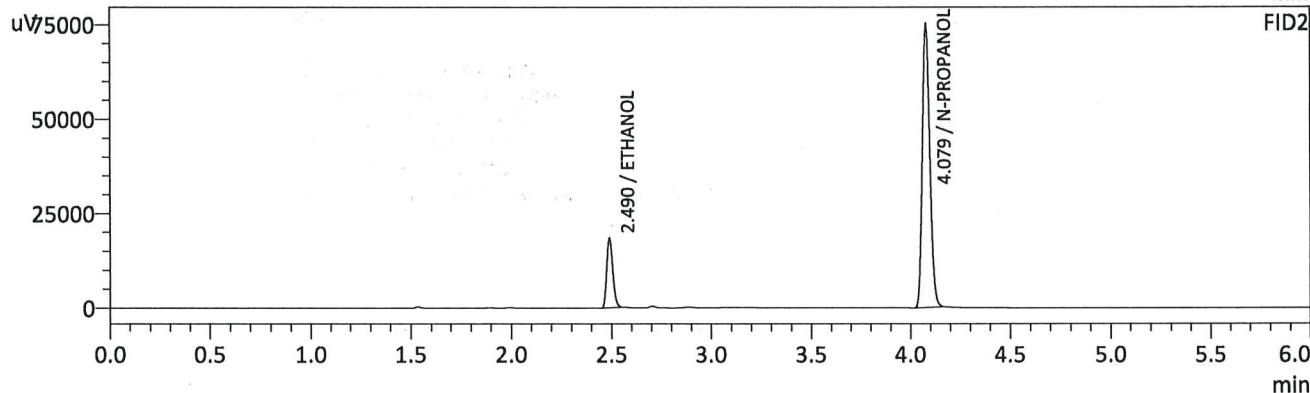
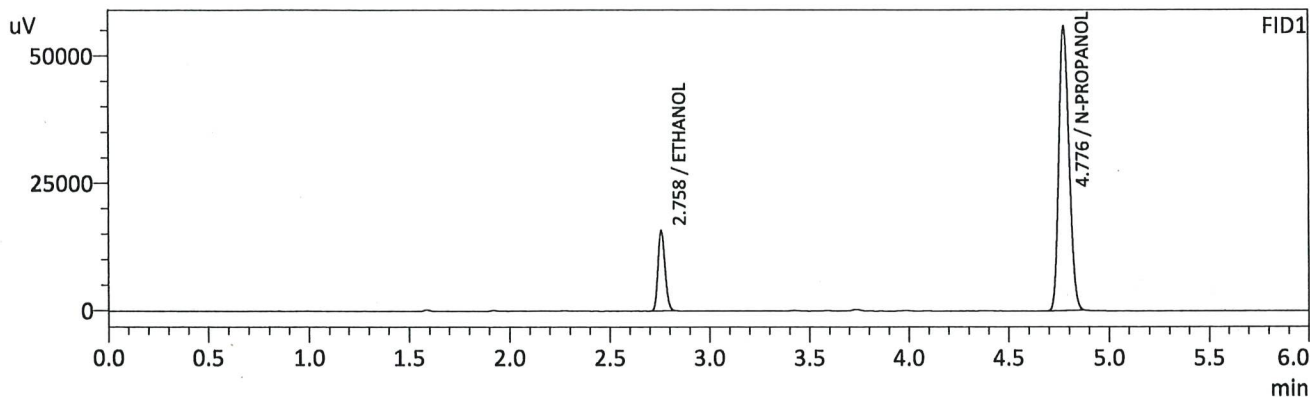
Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_080624\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.089	0.084	0.094	0.005
	Reported Results		
	0.089		

Calibration and control data are stored centrally.

Sample Name : QC1-2  
 Vial # : 48  
 Data Filename : QC1-2\_8142024\_043.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 8:25:07 PM  
 Date Processed : 8/14/2024 8:31:07 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

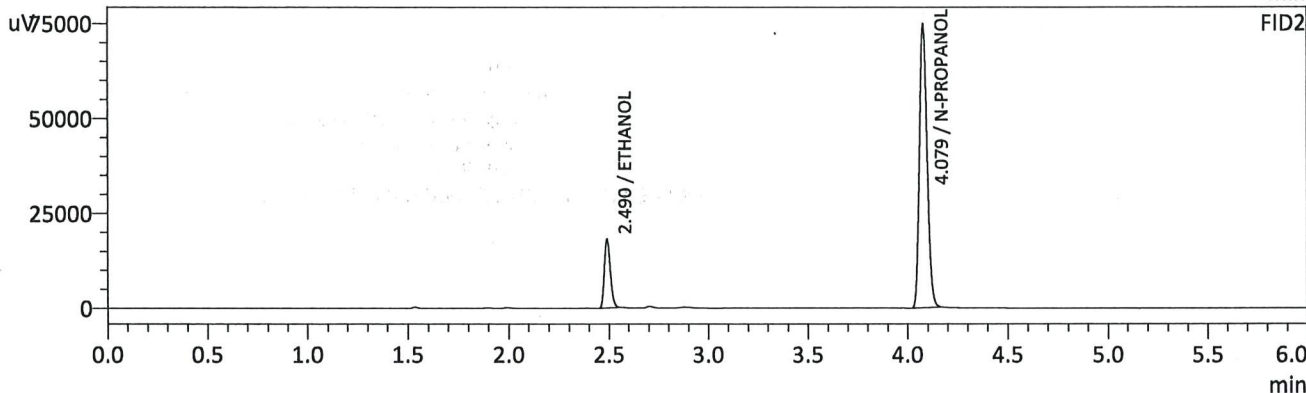
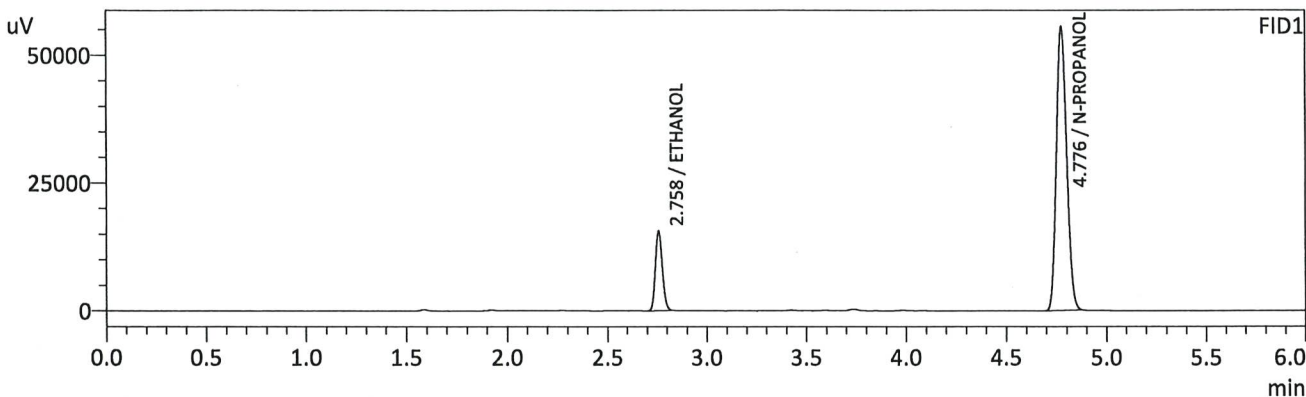
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0900	g/100cc	37984	15602
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196359	55800
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0893	g/100cc	37817	18262
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198830	74510
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_8142024\_044.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 8:34:38 PM  
 Date Processed : 8/14/2024 8:40:39 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

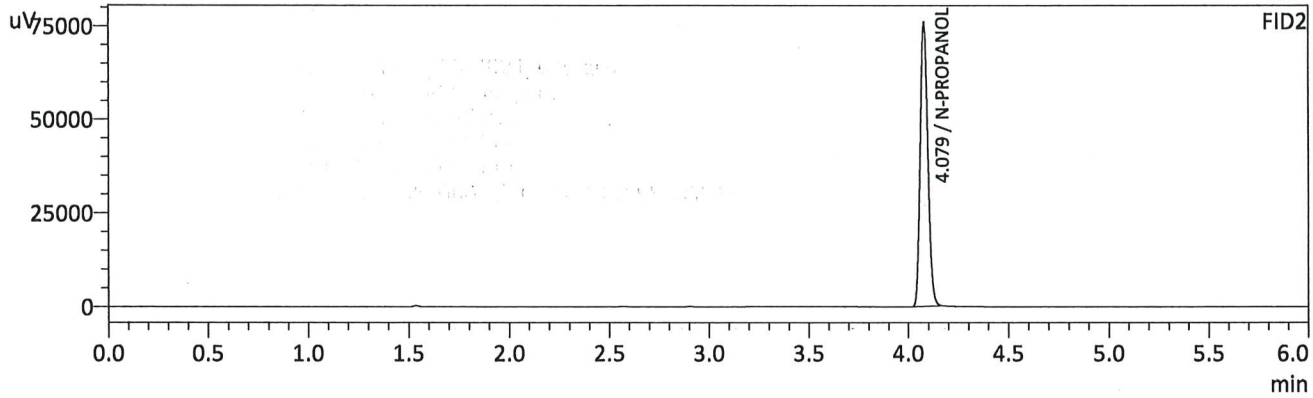
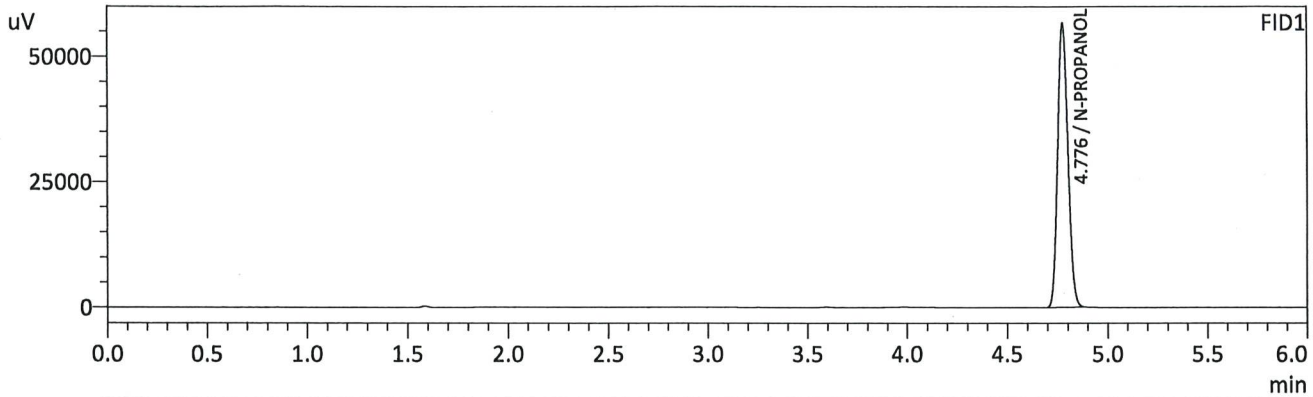
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0895	g/100cc	37672	15428
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195848	55485
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0889	g/100cc	37492	18110
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198121	74056
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3  
 Vial # : 51  
 Data Filename : INT STD BLK 3\_8142024\_046.gcd  
 Method Filename : ALCOHOL\_080624\_RC.gcm  
 Batch Filename : BATCH\_081424\_RC.gcb  
 Date Acquired : 8/14/2024 8:53:45 PM  
 Date Processed : 8/14/2024 8:59:47 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	199121	56572
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	201568	75261
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 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_080624_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_080624_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_080624_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_080624_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_080624_RC.gcm		0
8	P2024-2288-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
9	P2024-2288-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
10	P2024-2301-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
11	P2024-2301-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
12	P2024-2402-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
13	P2024-2402-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
14	P2024-2403-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
15	P2024-2403-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
16	P2024-2405-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
17	P2024-2405-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
18	P2024-2408-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
19	P2024-2408-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
20	P2024-2410-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
21	P2024-2410-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
22	P2024-2411-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
23	P2024-2411-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
24	P2024-2424-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
25	P2024-2424-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
28	P2024-2426-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
29	P2024-2426-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
30	P2024-2429-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
31	P2024-2429-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
32	P2024-2431-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
33	P2024-2431-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
34	P2024-2432-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
35	P2024-2432-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
36	P2024-2435-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
37	P2024-2435-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
38	P2024-2438-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
39	P2024-2438-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
40	P2024-2445-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
41	P2024-2445-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
42	P2024-2464-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
43	P2024-2464-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
44	P2024-2467-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
45	P2024-2467-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
46	P2024-2507-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
47	P2024-2507-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_080624_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
50	NEW MIXED VOLAT	0:Unknown	ALCOHOL_080624_RC.gcm		0
51	INT STD BLK 3	0:Unknown	ALCOHOL_080624_RC.gcm		0