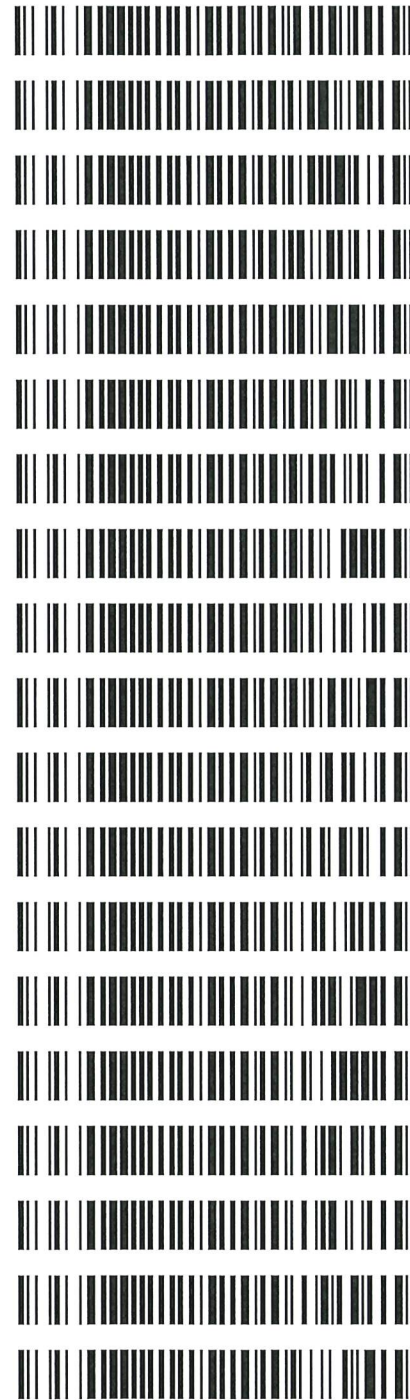


**Worklist: 6928**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2024-1610	4	BCK	Alcohol Analysis
P2024-2772	1	BCK	Alcohol Analysis
P2024-2773	1	BCK	Alcohol Analysis
P2024-2774	1	BCK	Alcohol Analysis
P2024-2775	1	BCK	Alcohol Analysis
P2024-2780	1	BCK	Alcohol Analysis
P2024-2794	1	BCK	Alcohol Analysis
P2024-2795	1	BCK	Alcohol Analysis
P2024-2796	1	BCK	Alcohol Analysis
P2024-2801	1	BCK	Alcohol Analysis
P2024-2827	1	BCK	Alcohol Analysis
P2024-2828	1	BCK	Alcohol Analysis
P2024-2837	1	BCK	Alcohol Analysis
P2024-2839	1	BCK	Alcohol Analysis
P2024-2849	1	BCK	Alcohol Analysis
P2024-2853	1	BCK	Alcohol Analysis
P2024-2853	2	BCK	Alcohol Analysis
P2024-2854	1	BCK	Alcohol Analysis
P2024-2857	1	BCK	Alcohol Analysis



**REVIEWED**  
*By Jeremy Johnston at 2:30 pm, Sep 17, 2024*

*JRC*

## 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):

9/16/24

Calibration Date: (if different) : 09/11/24

Worklist #:

6928

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0811 g/100cc	
					0.0878 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2022 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK	
Curve Fit:			Column 1	0.99992	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	0.0513	0.0517	0.0004	0.0515
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1985	0.1981	0.0004	0.1983
300	0.300	0.270 - 0.330	0.2983	0.2981	0.0002	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5016	0.0003	0.5014

## 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**

<b>Worklist #:</b>	<b>6928</b>	<b>Run Date(s):</b>	<b>9/16/24</b>
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Internal Standard Solution:	Prep Date: 8/15/2024	Exp Date: 2/15/2025
-----------------------------	----------------------	---------------------

Sample Name	Column 1 Value	Column 2 Value
0.080	175572	176293
0.080	174281	175202
QC1	176690	177492
QC1	176152	177078
QC1	183845	185369
QC1	176648	177936
QC1		
QC1		
QC2	172185	172793
QC2	173728	174152
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	176137.6	140910.1	211365.2
Column 2	177039.4	141631.5	212447.3



Revision: 5

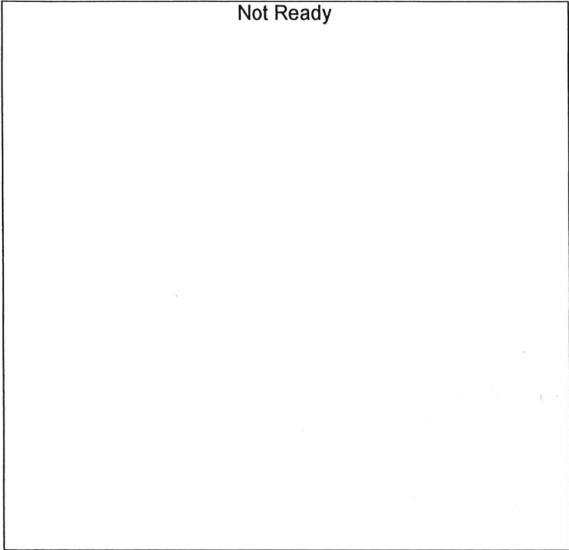
Issue Date: 07/05/2022

Issuing Authority: Quality Manager

=====  
**Calibration Table**  
=====

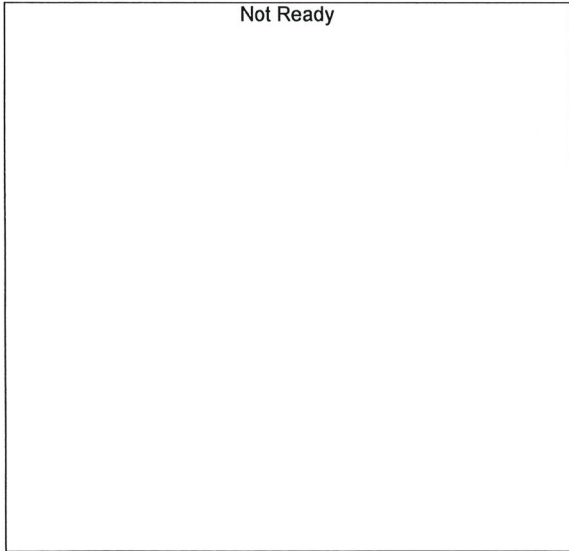
Laboratory: Pocatello  
Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>  
Method File :Default Project - ALCOHOL\_091124\_RC.gcm  
Batch File :Default Project - BATCH\_91124\_RC.gcb  
Date Acquired :9/11/2024 12:33:58 PM  
Date Created :9/11/2024 12:30:28 PM  
Date Modified :9/11/2024 12:40:00 PM



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

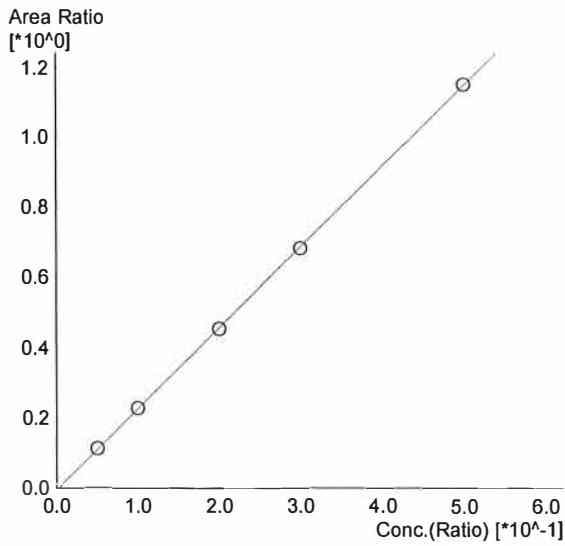
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



Name : ACETALDEHYDE  
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 : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.31277*x-0.00719523$   
 $R^2$  value= 0.9999297 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19145	0.0513	0.050_9112024_001.gcd
2	0.100	38884	0.1004	0.100_9112024_002.gcd
3	0.200	78735	0.1985	0.200_9112024_003.gcd
4	0.300	119445	0.2983	0.300_9112024_004.gcd
5	0.500	201954	0.5013	0.500_9112024_005.gcd



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

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



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

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

*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

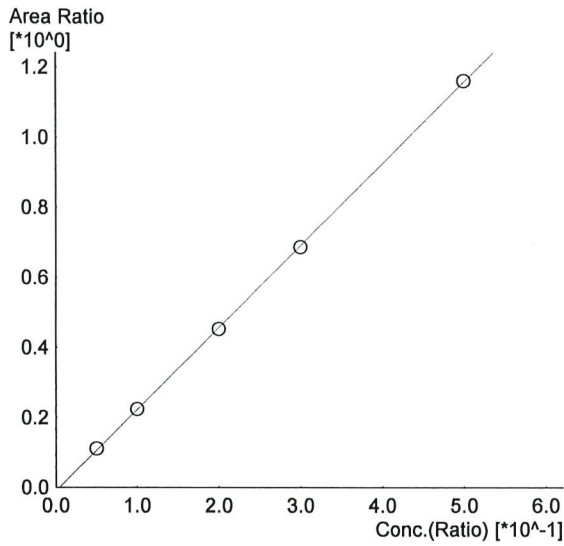
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



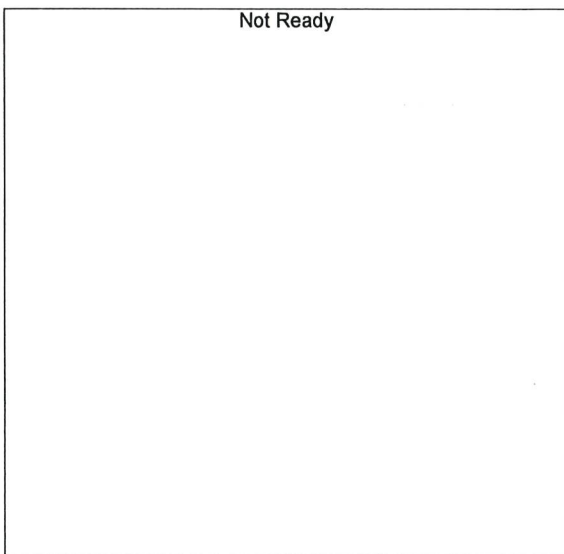
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.33468*x-0.0104885$   
 R<sup>2</sup> value= 0.9998984 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19060	0.0517	0.050_9112024_001.gcd
2	0.100	38834	0.1003	0.100_9112024_002.gcd
3	0.200	79050	0.1981	0.200_9112024_003.gcd
4	0.300	120345	0.2981	0.300_9112024_004.gcd
5	0.500	204158	0.5016	0.500_9112024_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
---	-------	------	------------	----------------

*AC*

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

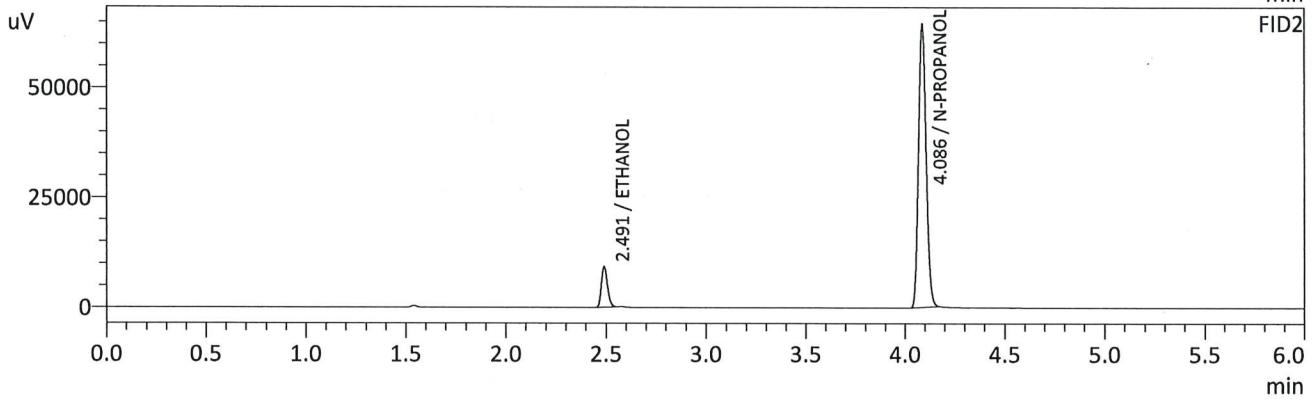
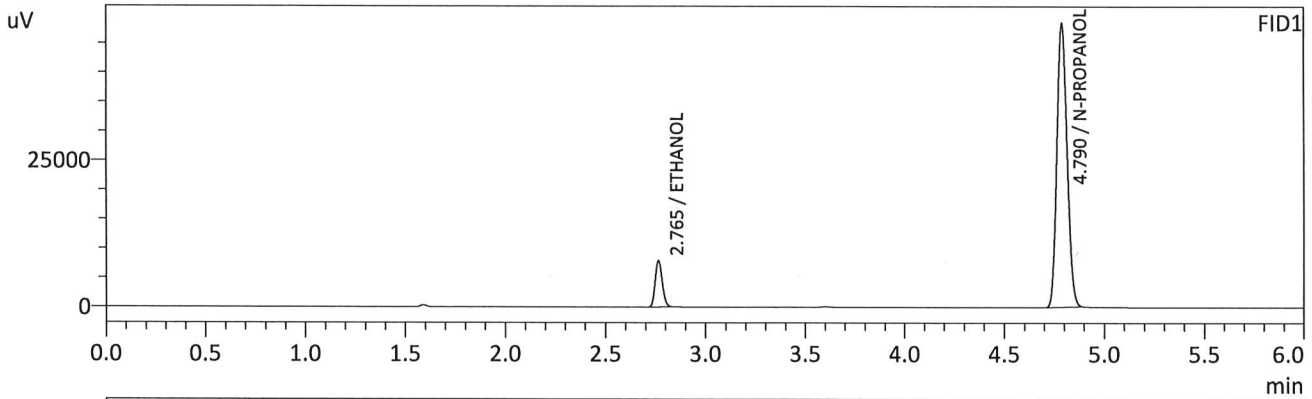
Not Ready

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\_9112024\_001.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91124\_RC.gcb  
 Date Acquired : 9/11/2024 11:55:51 AM  
 Date Processed : 9/12/2024 9:13:11 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

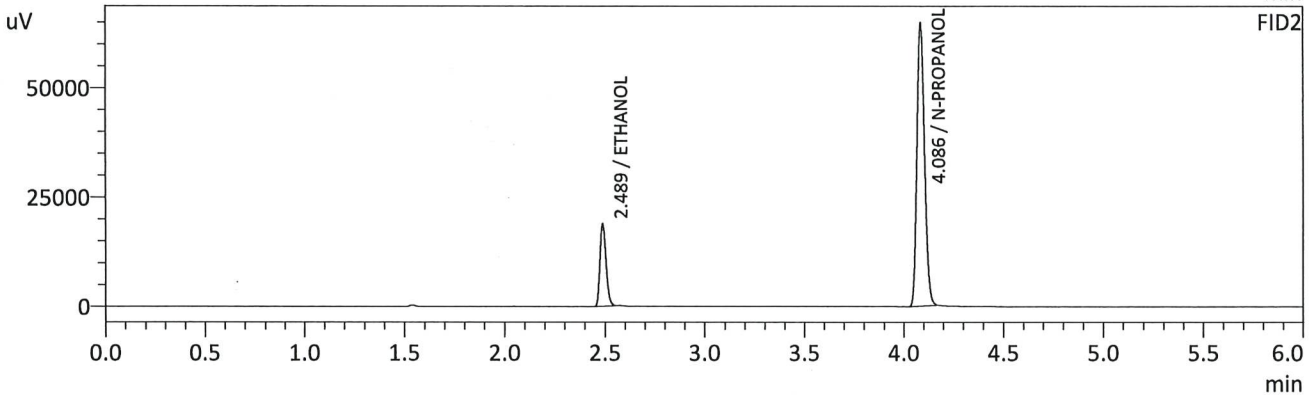
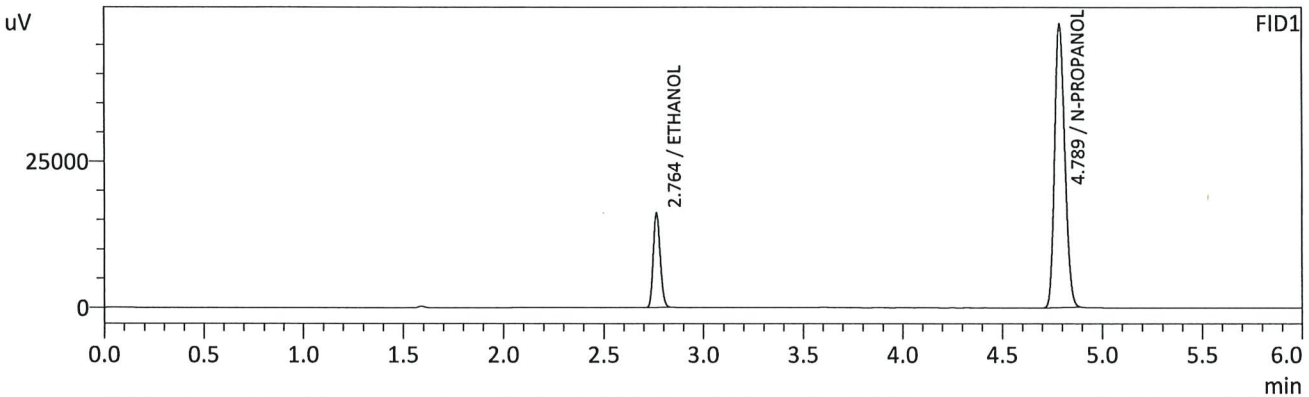
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	19145	7895
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171572	48415
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	19060	9149
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172765	64460
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_9112024\_002.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91124\_RC.gcb  
 Date Acquired : 9/11/2024 12:05:20 PM  
 Date Processed : 9/12/2024 9:13:17 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

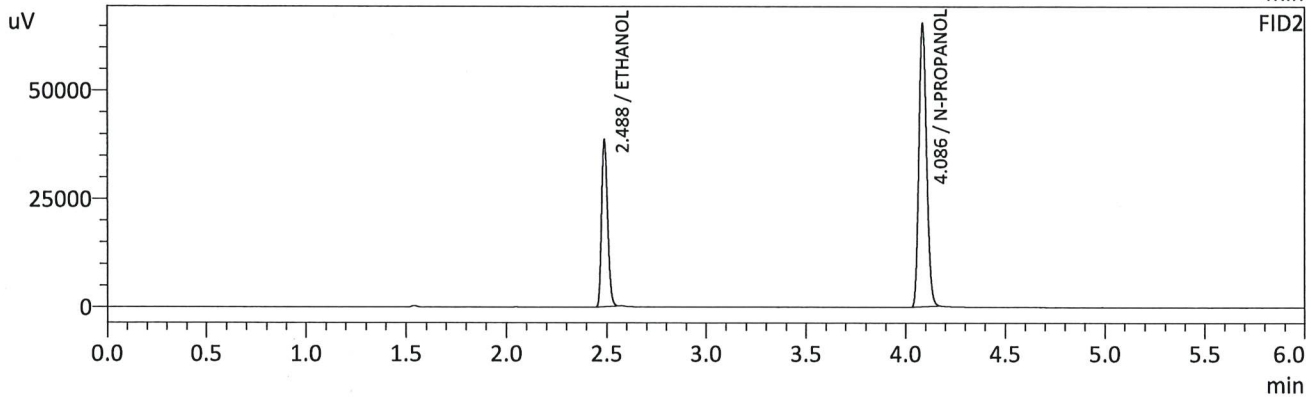
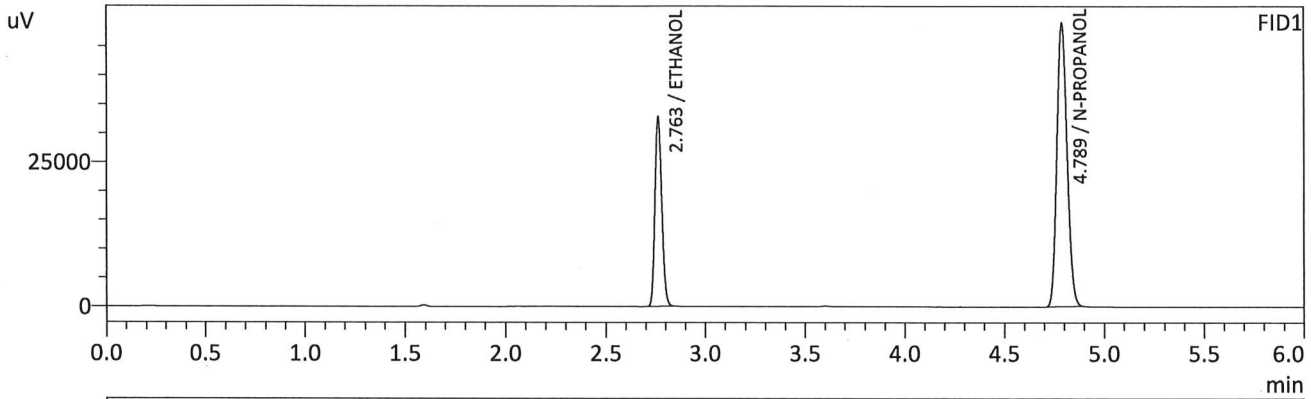
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	38884	16067
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172760	48468
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	38834	18804
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173446	64792
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_9112024\_003.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91124\_RC.gcb  
 Date Acquired : 9/11/2024 12:14:41 PM  
 Date Processed : 9/12/2024 9:13:20 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

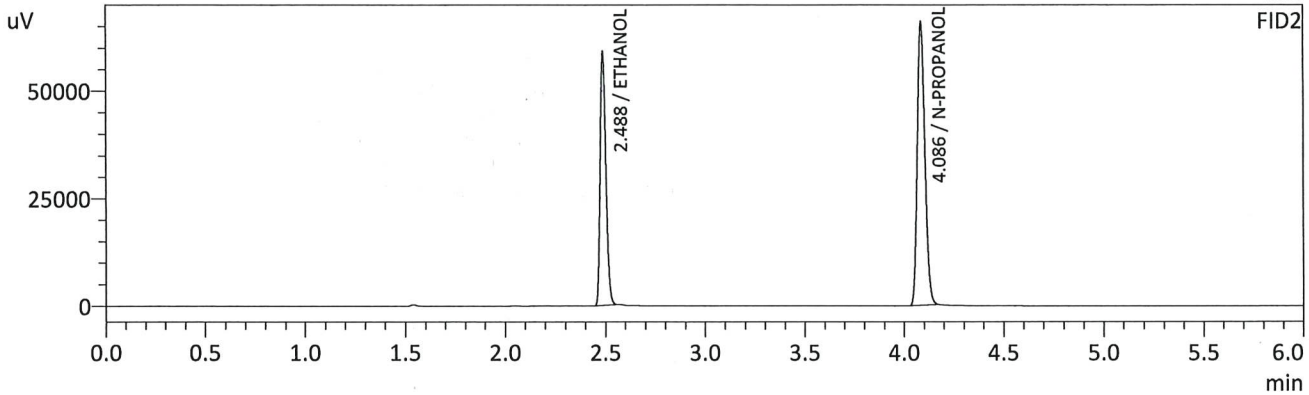
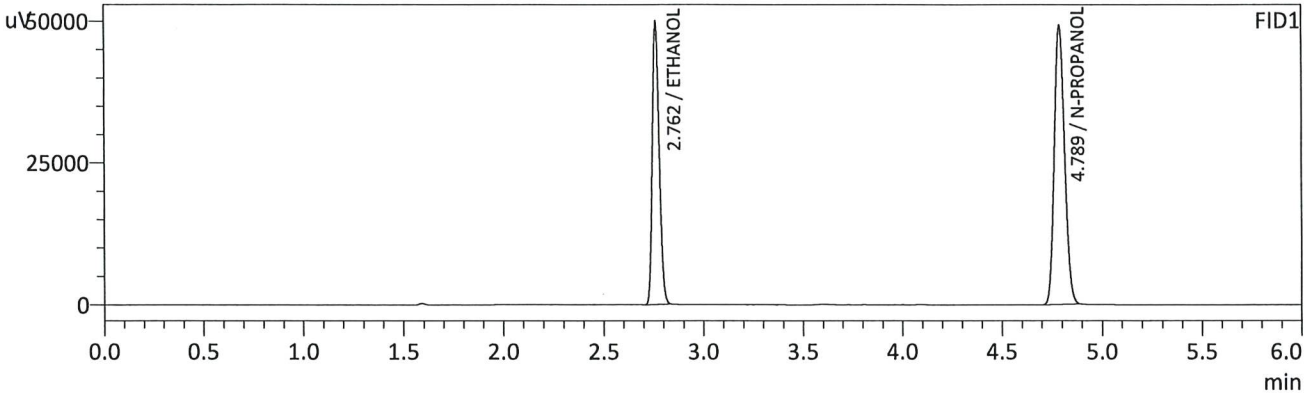
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	78735	32515
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174220	49006
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1981	g/100cc	79050	38176
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174867	65511
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_9112024\_004.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91124\_RC.gcb  
 Date Acquired : 9/11/2024 12:24:26 PM  
 Date Processed : 9/12/2024 9:13:24 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	119445	49658
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174952	49068
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

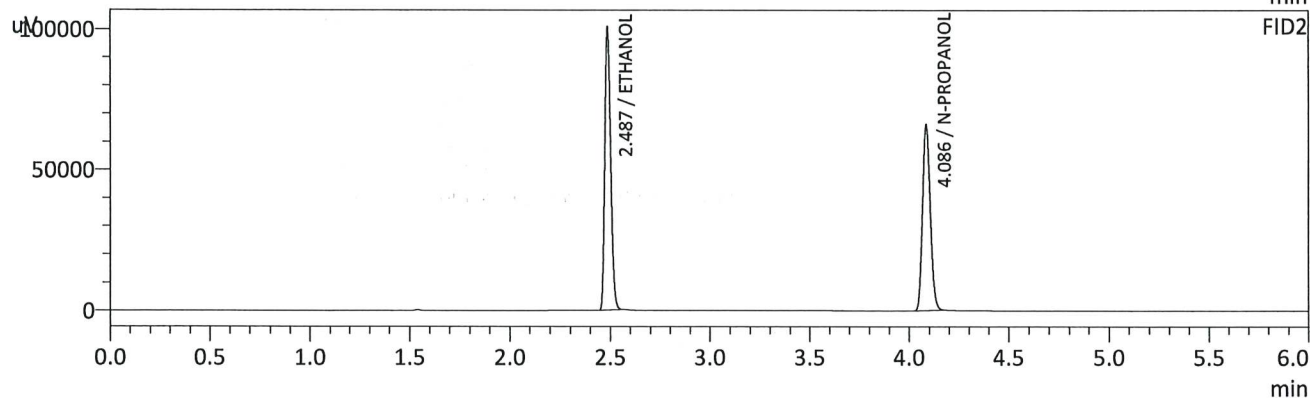
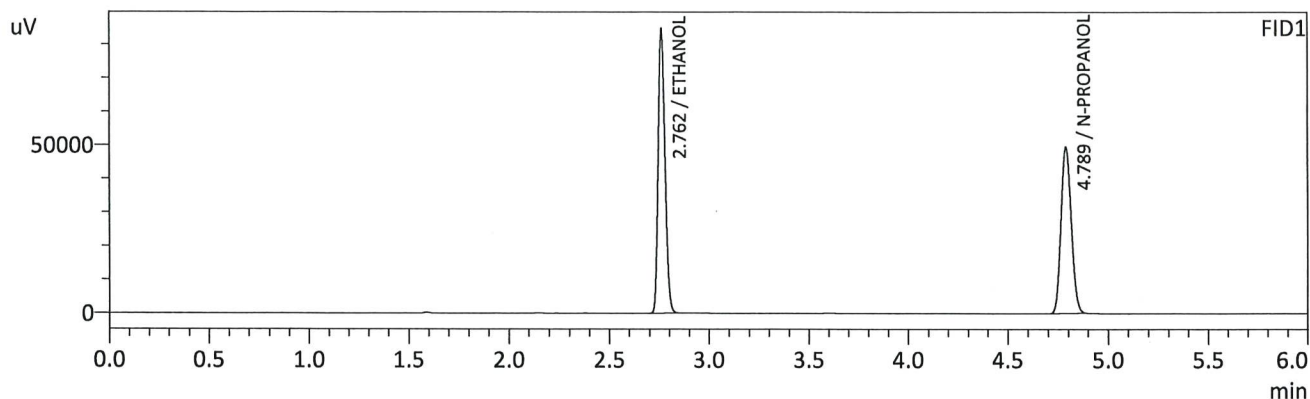
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2981	g/100cc	120345	58046
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175559	65911
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_9112024\_005.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91124\_RC.gcb  
 Date Acquired : 9/11/2024 12:33:58 PM  
 Date Processed : 9/11/2024 12:40:00 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

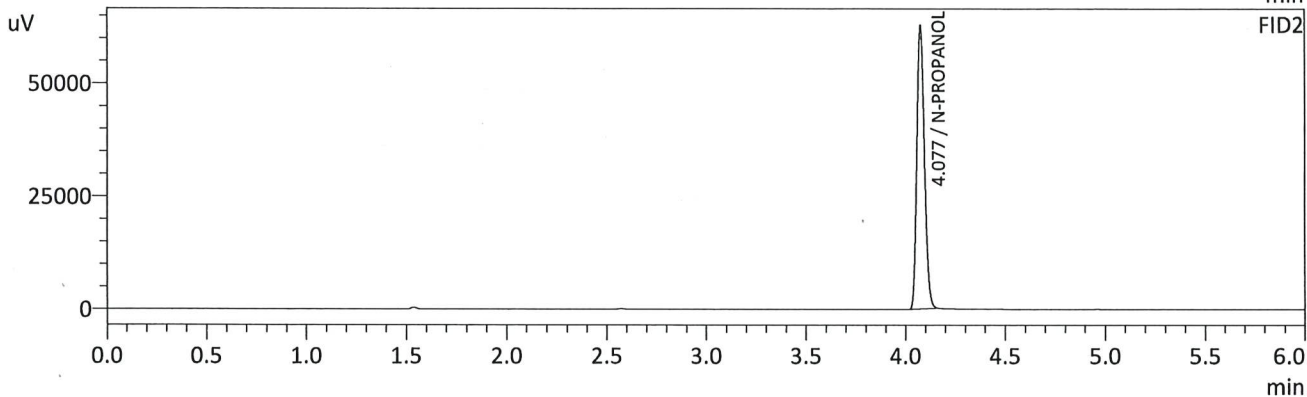
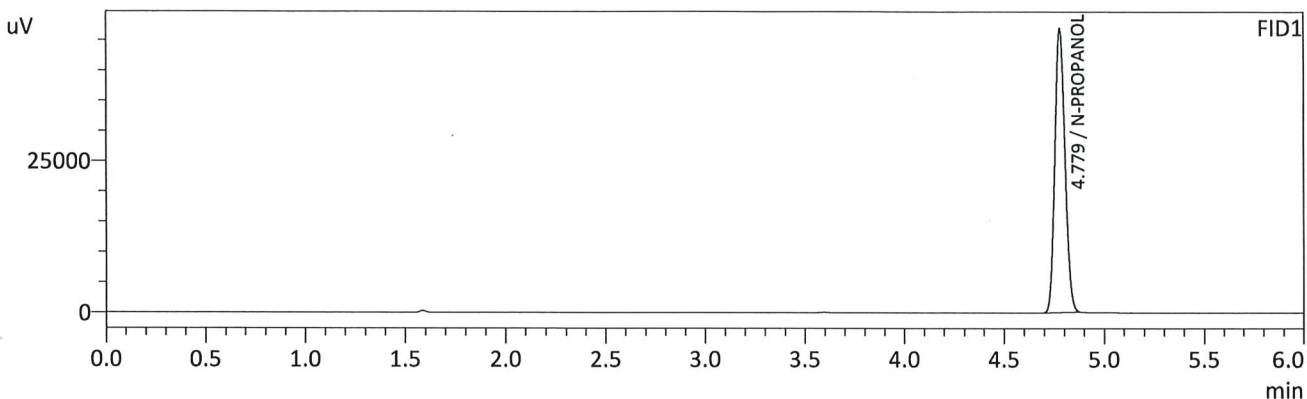
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	201954	84337
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175248	49253
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	204158	99120
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175897	65959
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_9162024\_001.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 3:40:25 PM  
 Date Processed : 9/16/2024 3:46:25 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

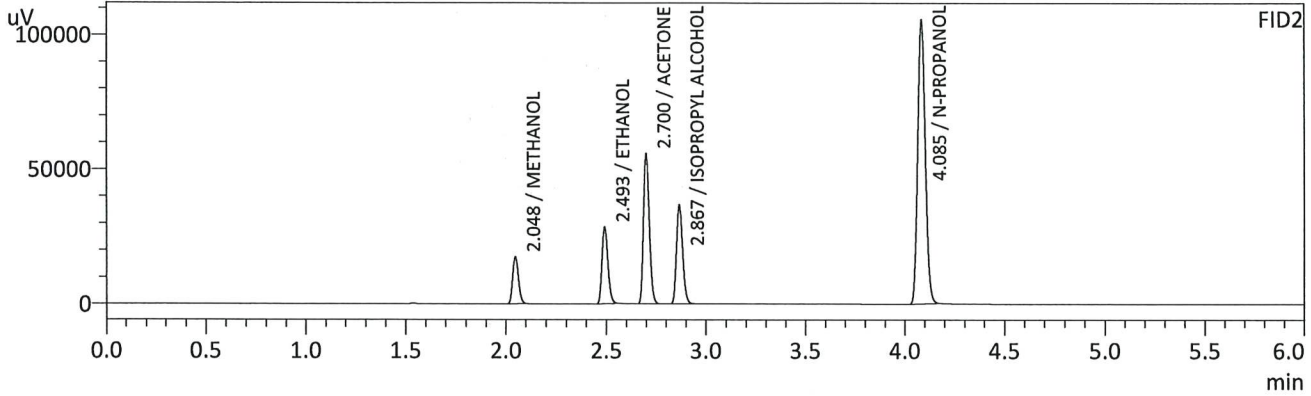
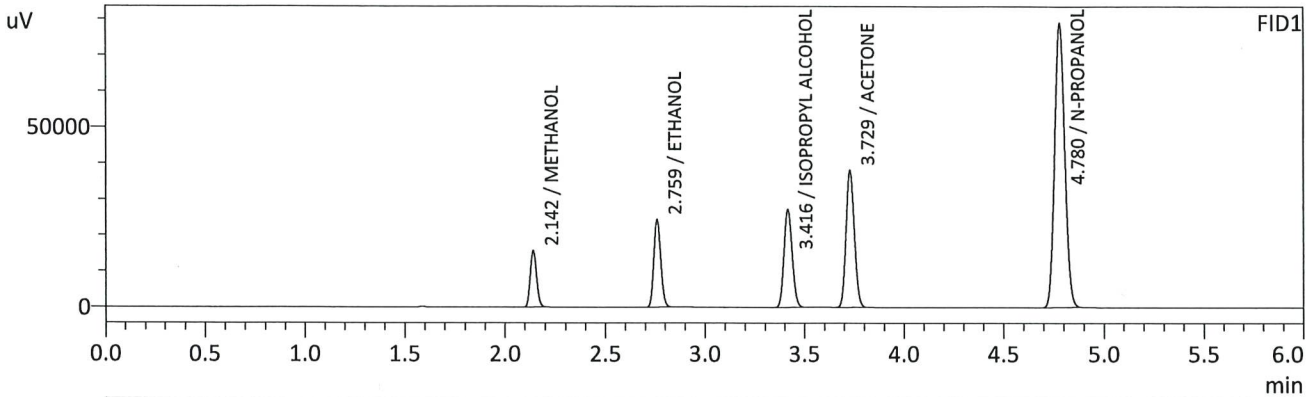
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166236	46759
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	168123	62783
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_9162024\_002.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 3:49:53 PM  
 Date Processed : 9/16/2024 3:55:55 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



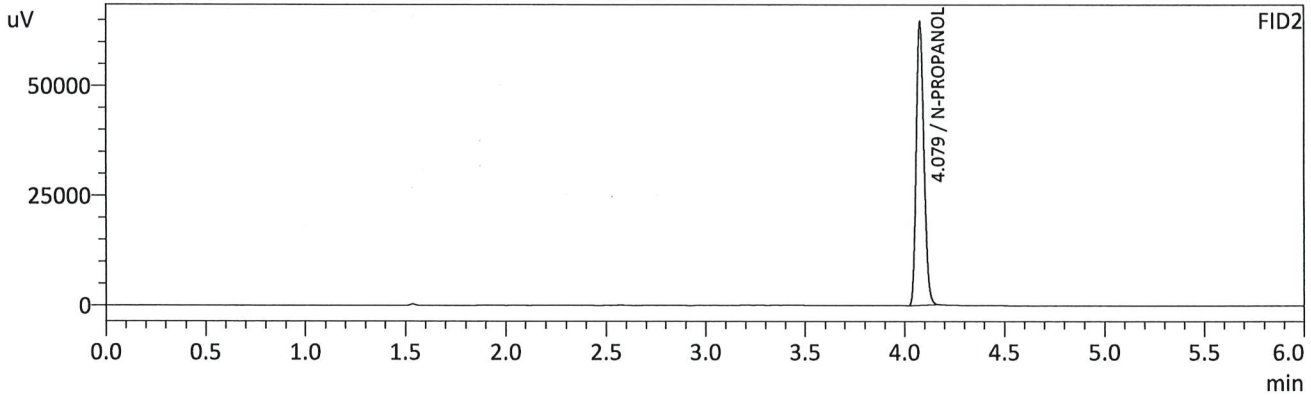
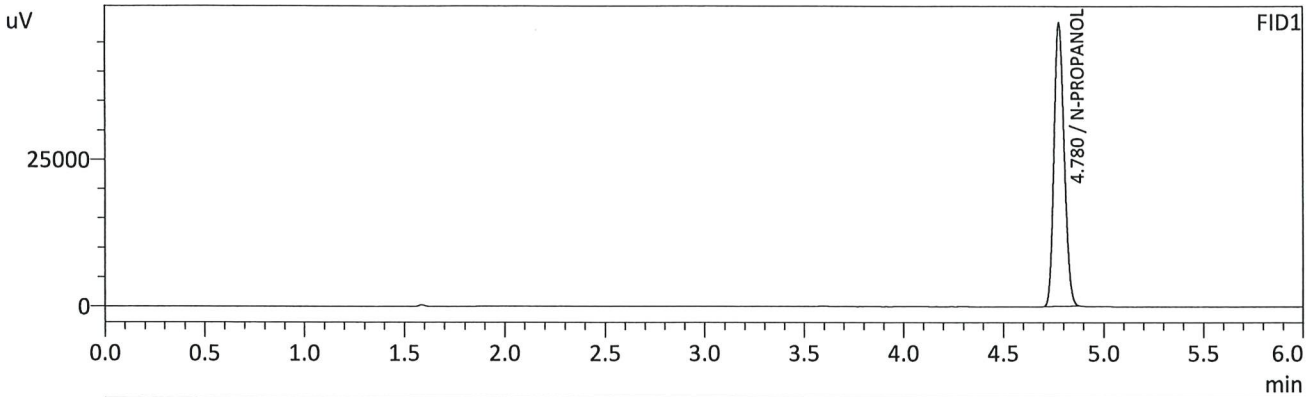
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	34112	15499
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0942	g/100cc	58531	24197
ISOPROPYL ALCOHOL	0.0000	g/100cc	77227	27033
ACETONE	0.0000	g/100cc	110498	37778
N-PROPANOL	0.0000	g/100cc	277762	78864
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	34959	17268
ETHANOL	0.0941	g/100cc	58655	28078
ACETONE	0.0000	g/100cc	114345	55573
ISOPROPYL ALCOHOL	0.0000	g/100cc	78849	36571
N-PROPANOL	0.0000	g/100cc	280252	105395
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_9162024\_003.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 3:59:14 PM  
 Date Processed : 9/16/2024 4:05:15 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	171363	48220
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	172189	64199
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 9/16/2024 4:08:59 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0811	0.0000	0.0811	0.0000	0.0811
(g/100cc)	0.0812	0.0811	0.0001	0.0811		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_091124\_RC.gcm

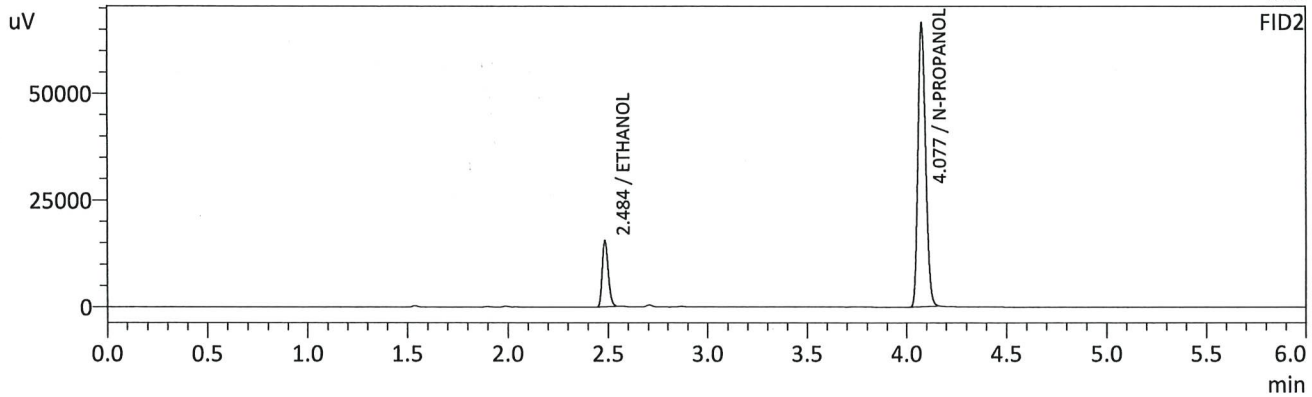
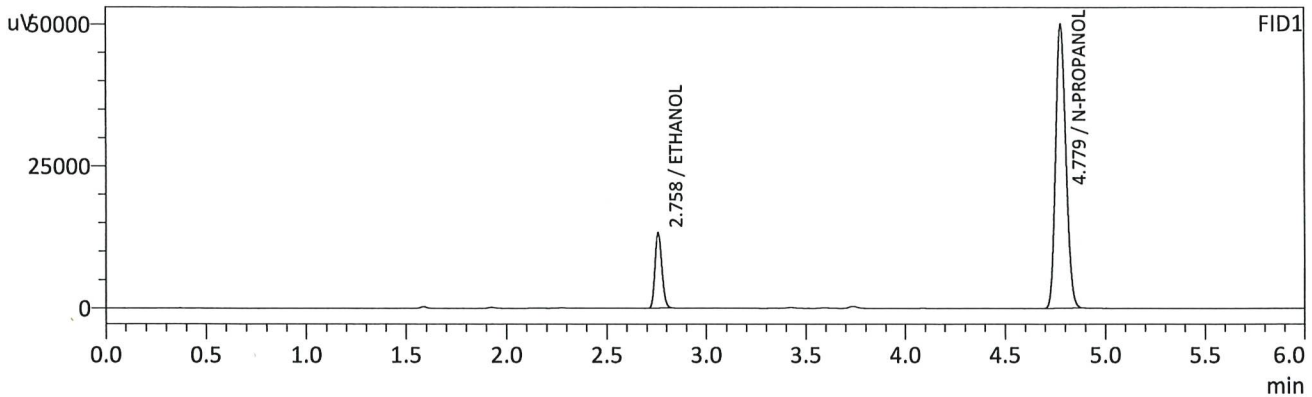
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_9162024\_004.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 4:08:59 PM  
 Date Processed : 9/16/2024 4:15:00 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

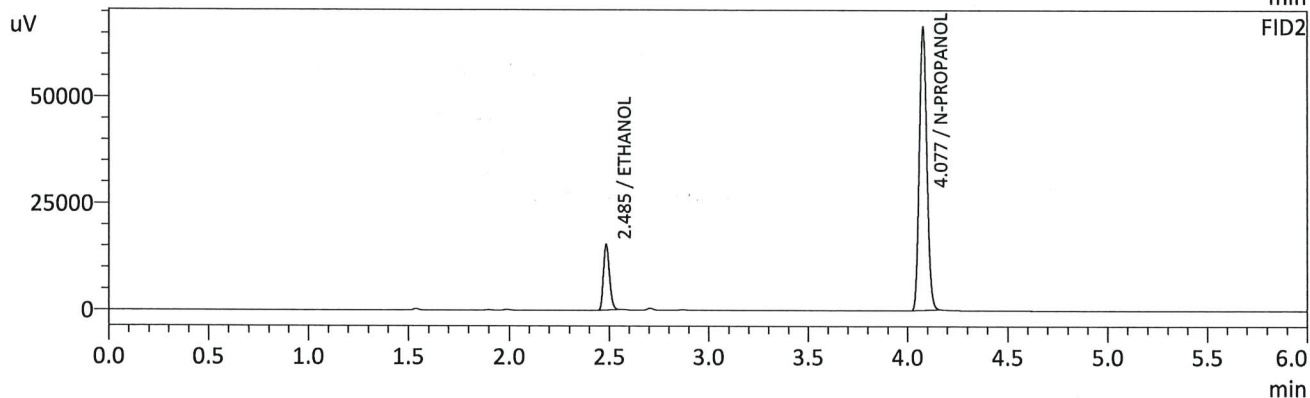
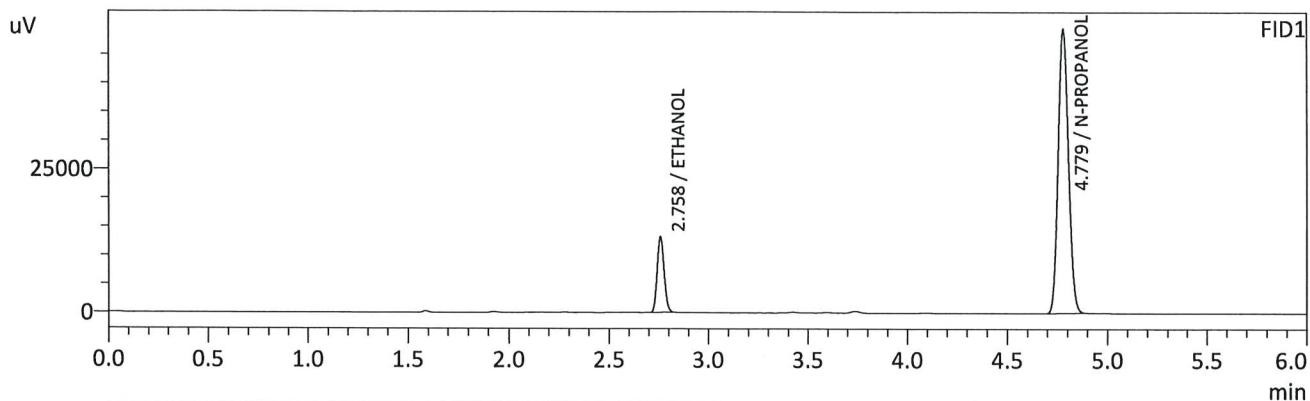
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	31895	13119
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176690	49856
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	31785	15369
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177492	66425
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_9162024\_005.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 4:18:30 PM  
 Date Processed : 9/16/2024 4:24:32 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	31821	13078
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176152	49405
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	31692	15346
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177078	66461
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 9/16/2024 4:27:48 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0809	0.0001	0.0808	0.0000	0.0808
(g/100cc)	0.0808	0.0809	0.0001	0.0808		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_091124\_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

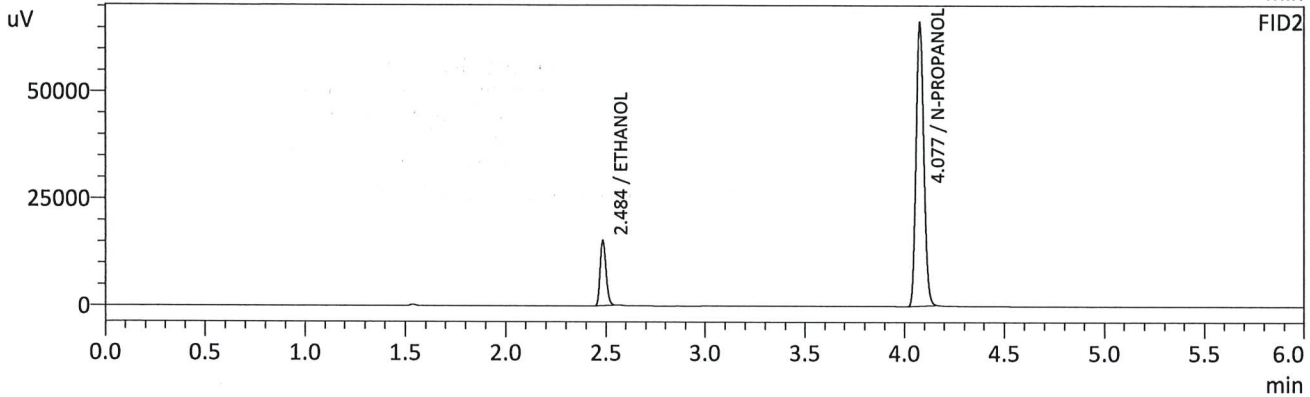
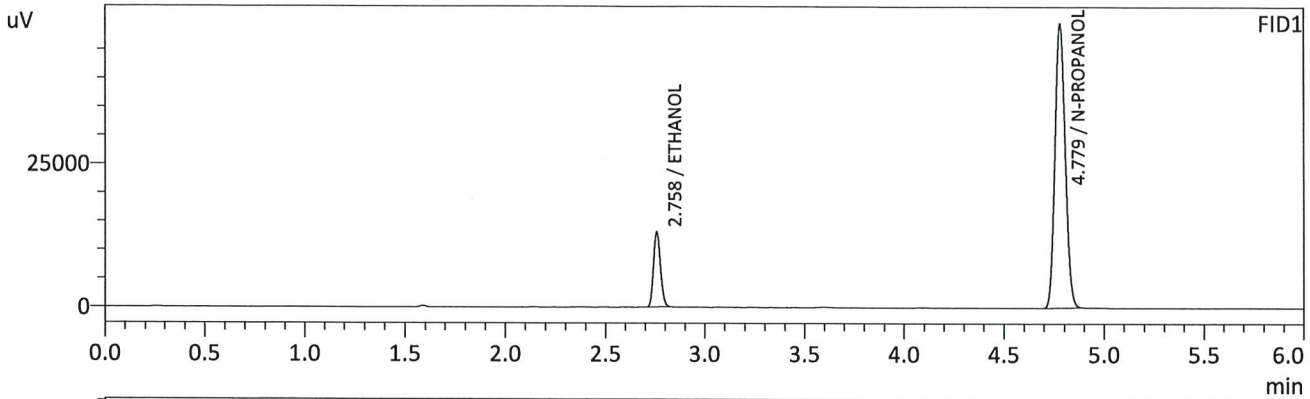
	Reported Results
	0.080

Calibration and control data are stored centrally.

RC



Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_9162024\_006.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 4:27:48 PM  
 Date Processed : 9/16/2024 4:33:49 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

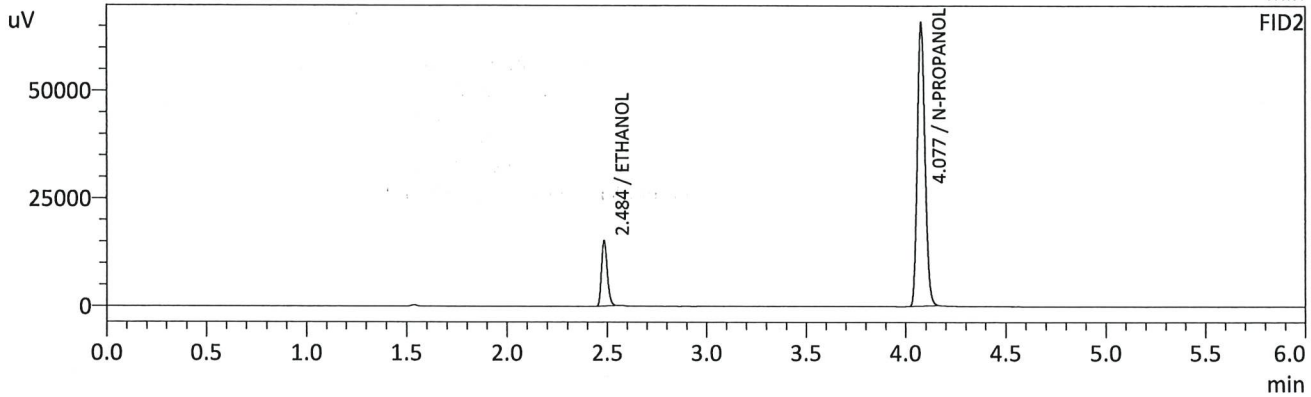
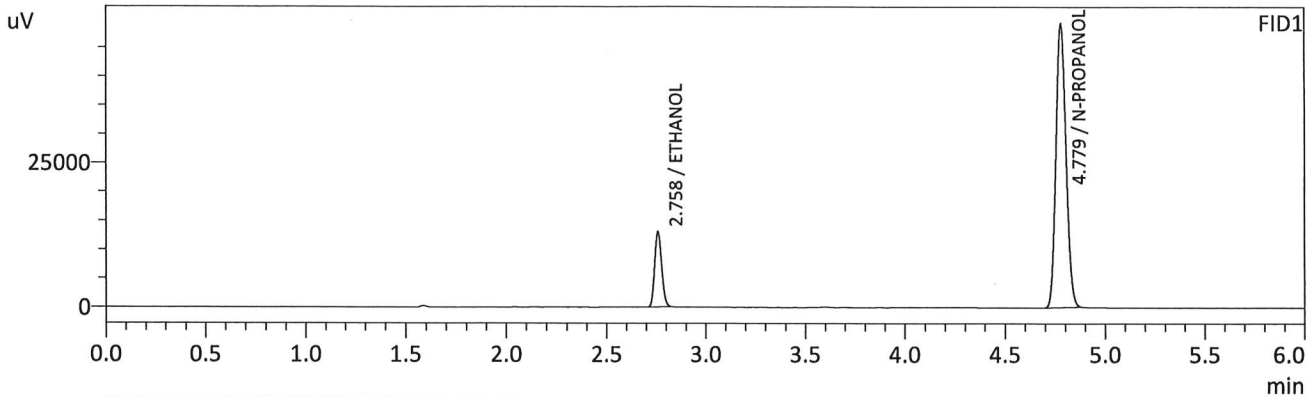
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	31570	12993
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175572	49425
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	31466	15227
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176293	66312
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_9162024\_007.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 4:37:33 PM  
 Date Processed : 9/16/2024 4:43:35 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	31334	12898
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174281	48981
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	31260	15112
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175202	65769
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 9/16/2024 7:38:29 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2029	0.2016	0.0013	0.2022	0.0000	0.2022
(g/100cc)	0.2028	0.2016	0.0012	0.2022		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

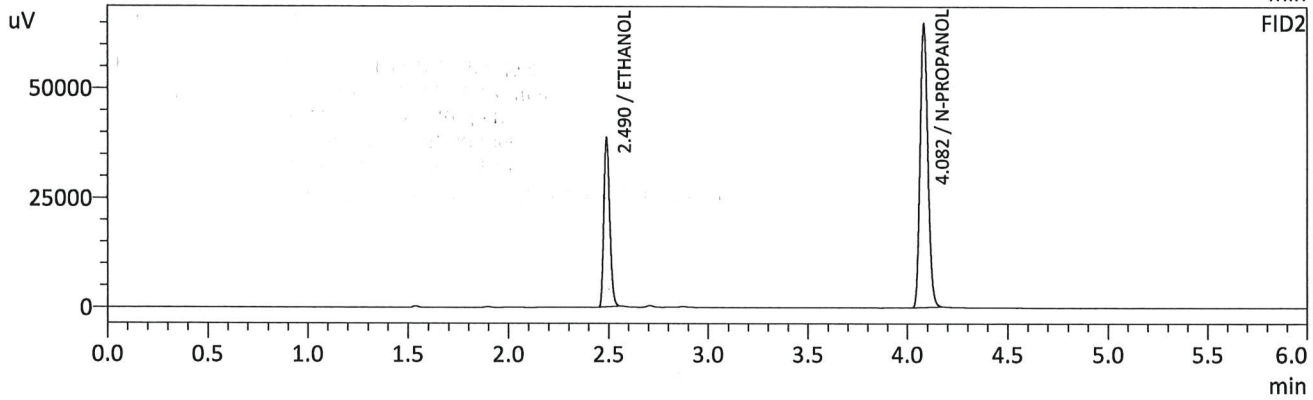
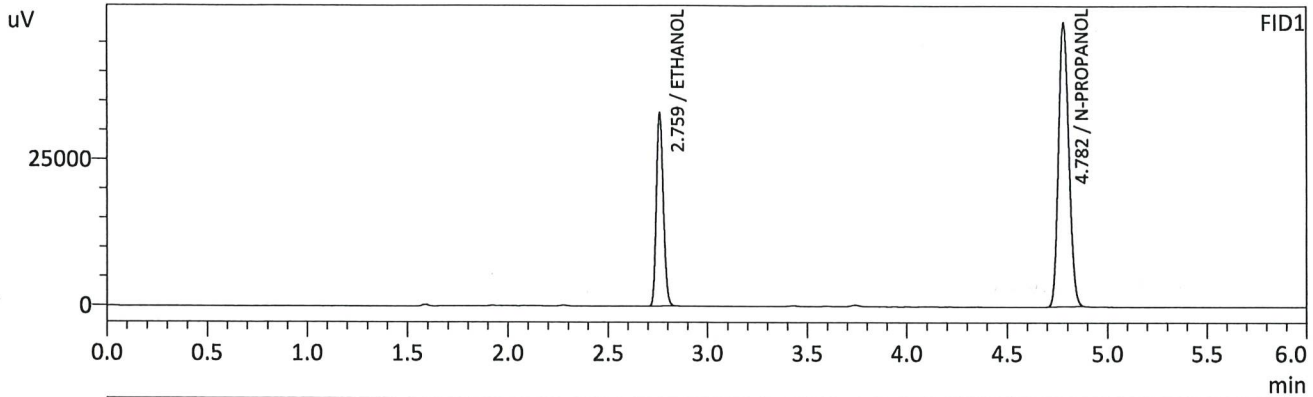
Refer To Instrument Method: ALCOHOL\_091124\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):			5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean	
0.202	0.191	0.213	0.011	

	Reported Results
	0.202

Calibration and control data are stored centrally.

Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_9162024\_026.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 7:38:29 PM  
 Date Processed : 9/16/2024 7:44:31 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



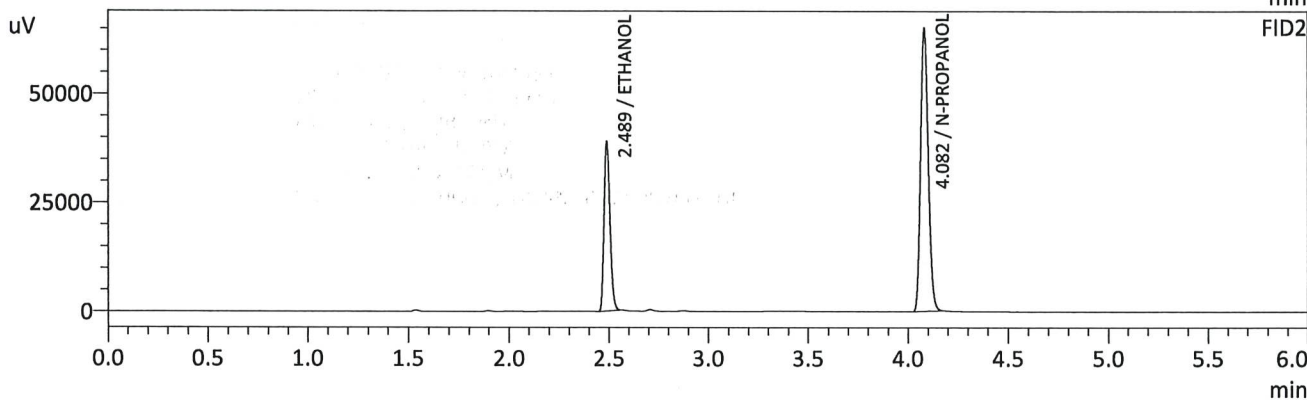
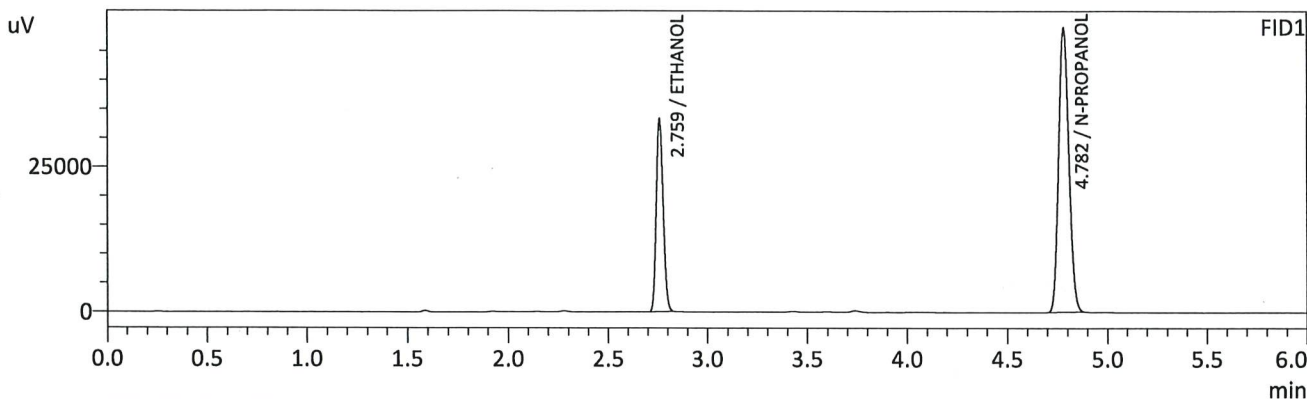
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2029	g/100cc	79581	32850
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172185	48527
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2016	g/100cc	79520	38520
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172793	64706
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_9162024\_027.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 7:47:47 PM  
 Date Processed : 9/16/2024 7:53:47 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2028	g/100cc	80254	33099
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173728	49062
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2016	g/100cc	80167	38812
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174152	64930
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 9/16/2024 11:07:41 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0877	0.0875	0.0002	0.0876	0.0005	0.0878
(g/100cc)	0.0883	0.0880	0.0003	0.0881		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_091124\_RC.gcm

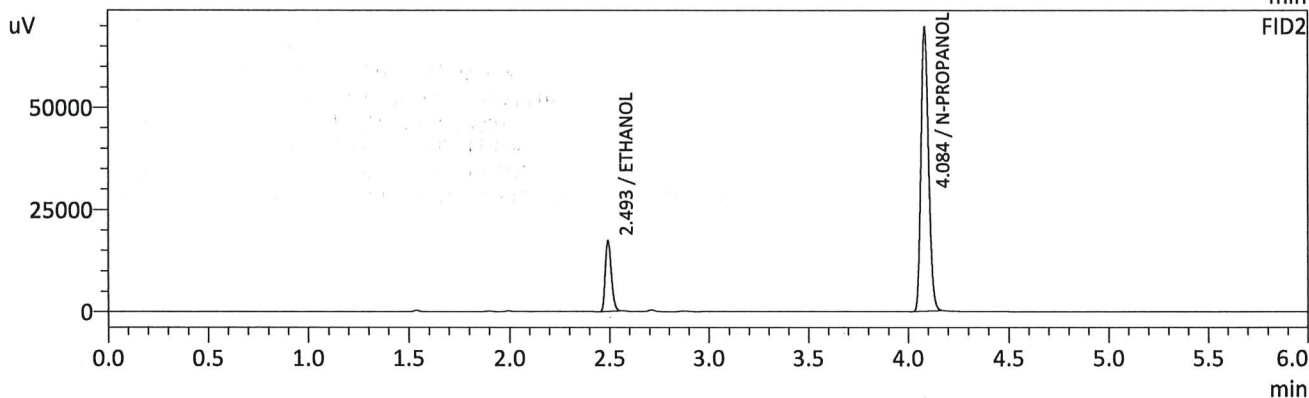
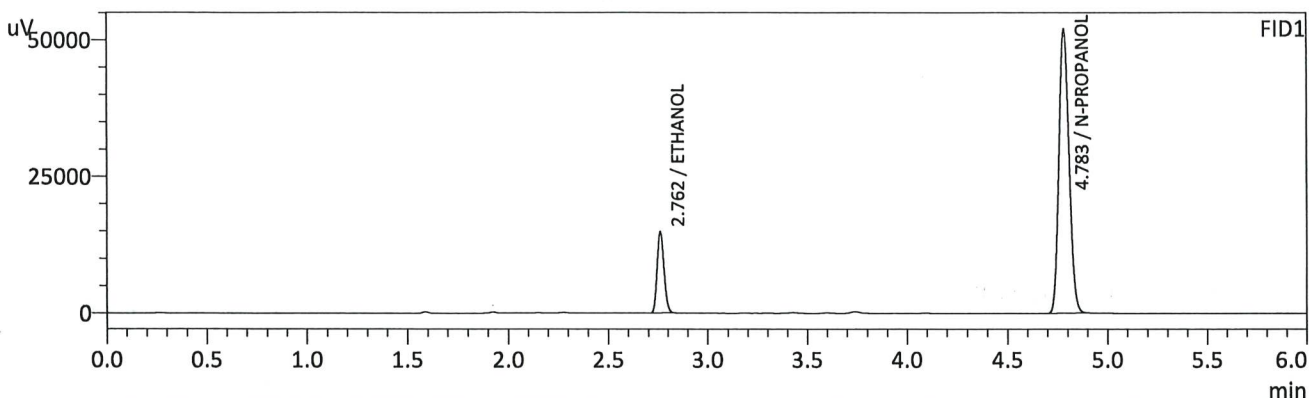
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.087	0.082	0.092	0.005

	Reported Results
	0.087

Calibration and control data are stored centrally.



Sample Name : QC1-2  
 Vial # : 48  
 Data Filename : QC1-2\_9162024\_048.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 11:07:41 PM  
 Date Processed : 9/16/2024 11:13:44 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

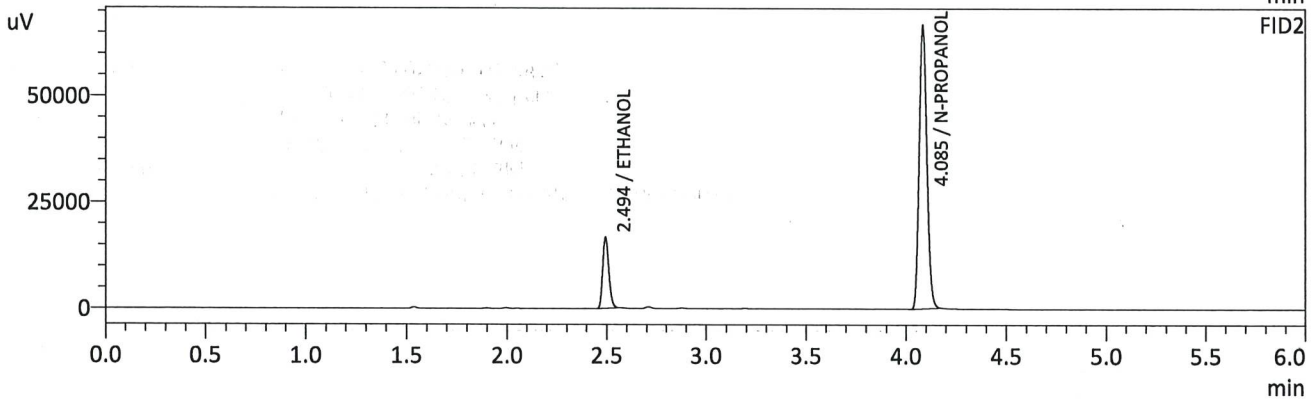
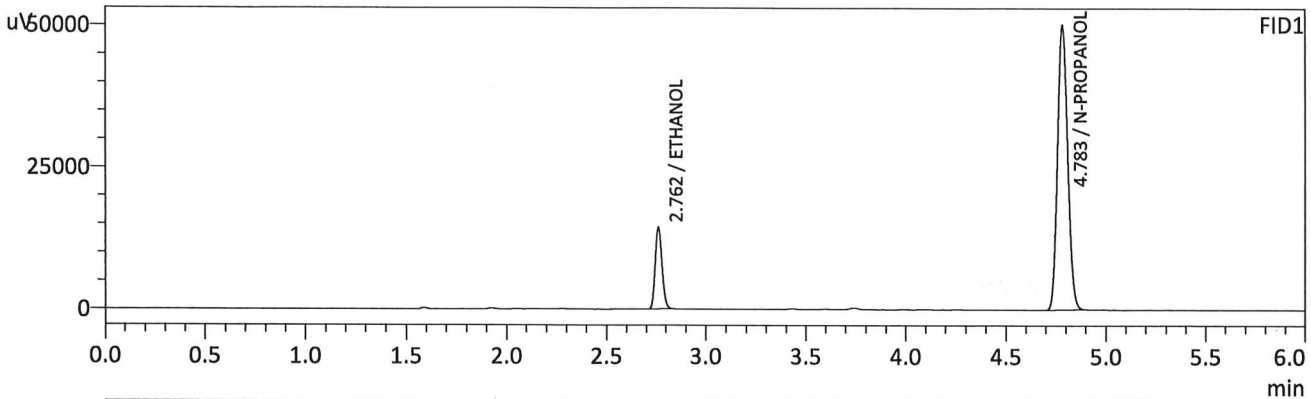
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0877	g/100cc	36000	14826
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183845	51822
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0875	g/100cc	35925	17110
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185369	69184
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_9162024\_049.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 11:17:27 PM  
 Date Processed : 9/16/2024 11:23:28 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

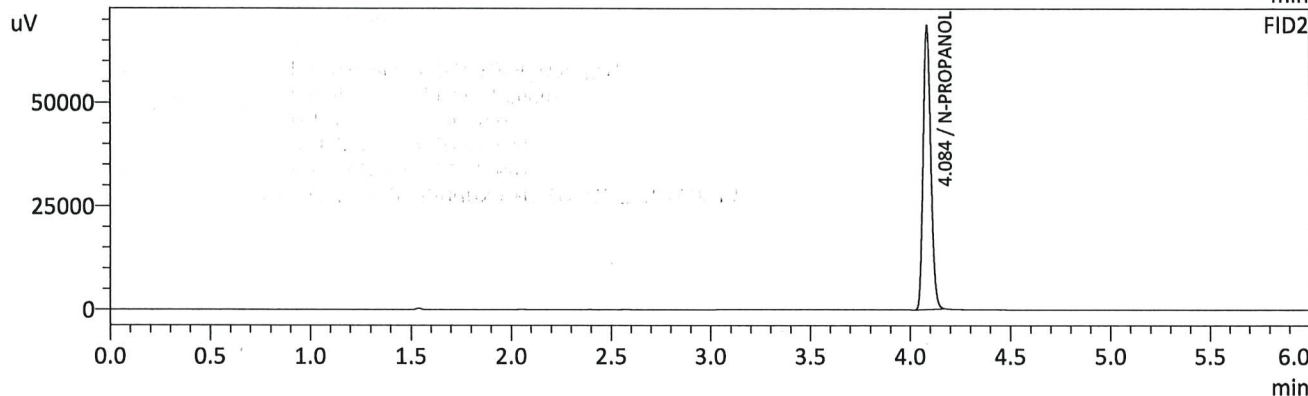
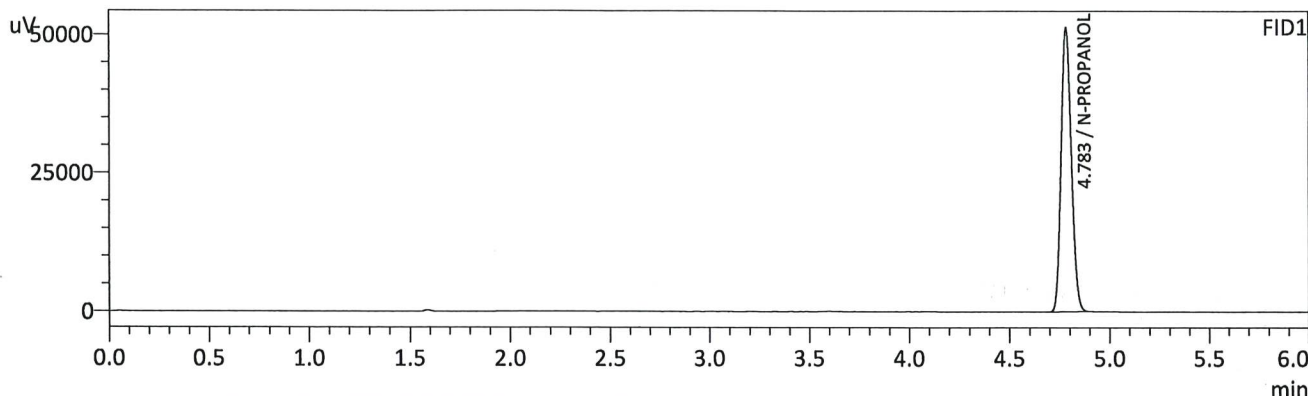
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	34819	14324
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176648	49907
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0880	g/100cc	34692	16651
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177936	66612
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 3  
 Vial # : 50  
 Data Filename : INT STD BLK 3\_9162024\_050.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 11:26:57 PM  
 Date Processed : 9/16/2024 11:32:59 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

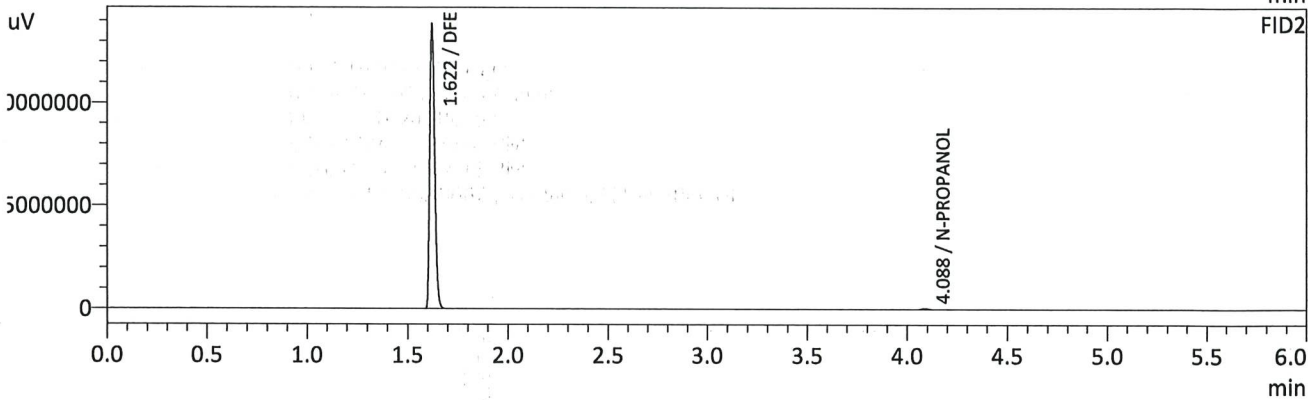
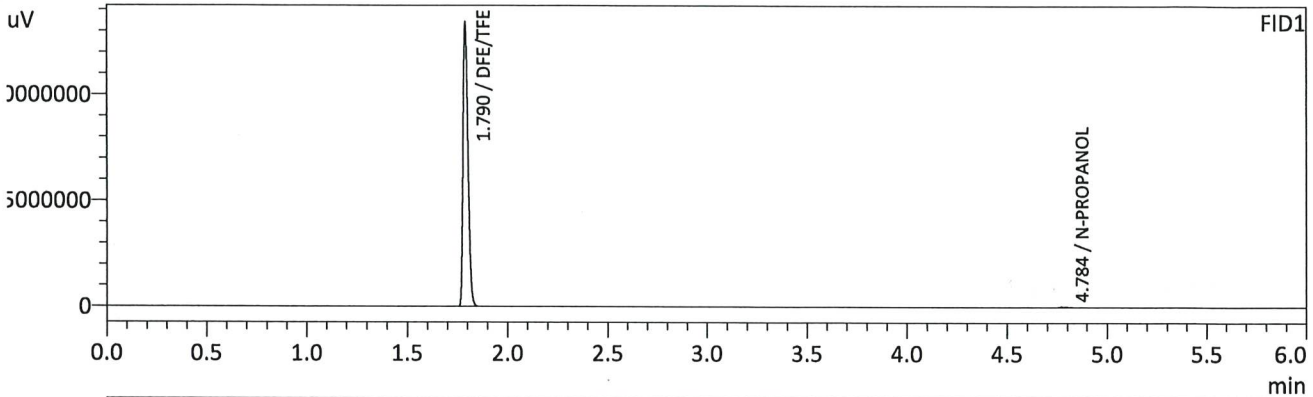
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181343	51231
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	182779	68242
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : DFE  
 Vial # : 51  
 Data Filename : DFE\_9162024\_051.gcd  
 Method Filename : ALCOHOL\_091124\_RC.gcm  
 Batch Filename : BATCH\_91624\_RC.gcb  
 Date Acquired : 9/16/2024 11:36:14 PM  
 Date Processed : 9/16/2024 11:42:15 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	130797	37054
DFE/TFE	0.0000	g/100cc	23265223	13364104
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	131524	49048
DFE	0.0000	g/100cc	23364470	13791398
TFE	--	g/100cc	--	--

*ARC*



# 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_091124_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_091124_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_091124_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_091124_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_091124_RC.gcm		0
8	P2024-1610-4	0:Unknown	ALCOHOL_091124_RC.gcm		0
9	P2024-1610-4-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
10	P2024-2772-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
11	P2024-2772-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
12	P2024-2773-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
13	P2024-2773-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
14	P2024-2774-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
15	P2024-2774-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
16	P2024-2775-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
17	P2024-2775-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
18	P2024-2780-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
19	P2024-2780-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
20	P2024-2794-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
21	P2024-2794-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
22	P2024-2795-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
23	P2024-2795-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
24	P2024-2796-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
25	P2024-2796-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
28	P2024-2801-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
29	P2024-2801-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
30	P2024-2827-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
31	P2024-2827-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
32	P2024-2828-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
33	P2024-2828-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
34	P2024-2837-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
35	P2024-2837-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
36	P2024-2839-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
37	P2024-2839-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
38	P2024-2849-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
39	P2024-2849-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
40	P2024-2853-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
41	P2024-2853-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
42	P2024-2853-2	0:Unknown	ALCOHOL_091124_RC.gcm		0
43	P2024-2853-2-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
44	P2024-2854-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
45	P2024-2854-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
46	P2024-2857-1	0:Unknown	ALCOHOL_091124_RC.gcm		0
47	P2024-2857-1-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_091124_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_091124_RC.gcm		0
50	INT STD BLK 3	0:Unknown	ALCOHOL_091124_RC.gcm		0
51	DFE	0:Unknown	ALCOHOL_091124_RC.gcm		0

RC