


















**Worklist: 6827**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2024-1224	3	UCK	Alcohol Analysis	
P2024-1554	1	BCK	Alcohol Analysis	
P2024-1564	1	BCK	Alcohol Analysis	
P2024-1565	1	BCK	Alcohol Analysis	
P2024-1574	1	BCK	Alcohol Analysis	
P2024-1583	1	BCK	Alcohol Analysis	
P2024-1589	1	BCK	Alcohol Analysis	
P2024-1590	1	BCK	Alcohol Analysis	
P2024-1600	1	BLOOD	Alcohol Analysis	
P2024-1601	1	BLOOD	Alcohol Analysis	
P2024-1610	1	BCK	Alcohol Analysis	
P2024-1614	1	BCK	Alcohol Analysis	
P2024-1633	1	BCK	Alcohol Analysis	
P2024-1641	1	BCK	Alcohol Analysis	
P2024-1651	1	BCK	Alcohol Analysis	
P2024-1652	1	BCK	Alcohol Analysis	
P2024-1662	1	BCK	Alcohol Analysis	



## 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): 5/31/24

Calibration Date: (if different) : 5/30/24

Worklist #: 6827

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0815 g/100cc	
					0.0887 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2024 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	0.0514	0.0519	0.0005	0.0516
100	0.100	0.090 - 0.110	0.1002	0.1001	0.0001	0.1001
200	0.200	0.180 - 0.220	0.1985	0.1982	0.0003	0.1983
300	0.300	0.270 - 0.330	0.2984	0.2978	0.0006	0.2981
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	0.081 g/100cc

RC

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

**Internal Standard Monitoring Worksheet**

<b>Worklist #:</b>	<b>6827</b>	<b>Run Date(s):</b>	<b>5/31/24</b>
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Internal Standard Solution:	Prep Date: 5/30/2024	Exp Date: 11/30/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	179977	181307
0.080	179949	181394
QC1	181493	182905
QC1	181955	183440
QC1	182848	187305
QC1	189381	194150
QC1		
QC1		
QC2	178055	182432
QC2	178660	182804
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	181539.8	145231.8	217847.7
Column 2	184467.1	147573.7	221360.6

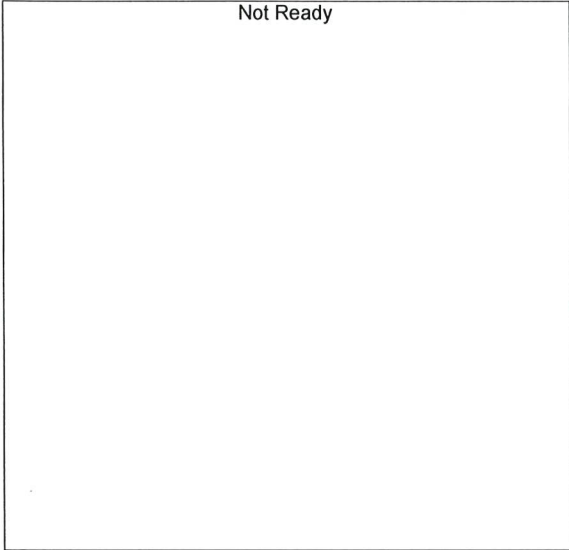
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## Calibration Table

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

<<Data File>>  
 Method File :Default Project - ALCOHOL\_053024\_RC.gcm  
 Batch File :Default Project - BATCH\_053024\_RC.gcb  
 Date Acquired :5/30/2024 3:46:15 PM  
 Date Created :5/30/2024 3:42:47 PM  
 Date Modified :5/30/2024 3:52:17 PM



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

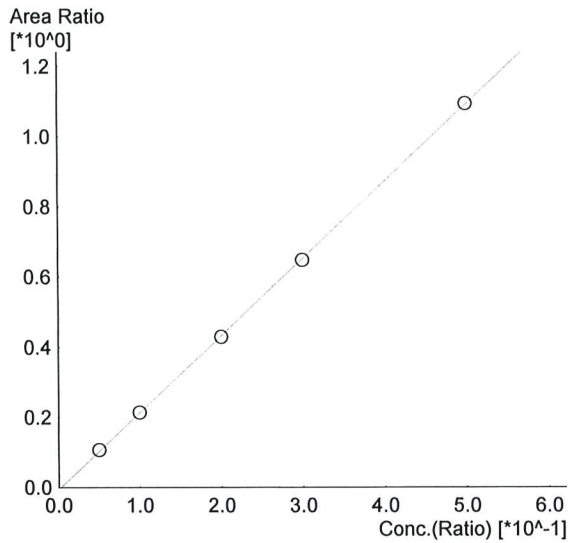
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

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



Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.19291*x-0.00610491$   
 R<sup>2</sup> value= 0.9999351 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19146	0.0514	0.050_5302024_001.gcd
2	0.100	38653	0.1002	0.100_5302024_002.gcd
3	0.200	78484	0.1985	0.200_5302024_003.gcd
4	0.300	118243	0.2984	0.300_5302024_004.gcd
5	0.500	200843	0.5013	0.500_5302024_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
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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
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*JRC*

Not Ready

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

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

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

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

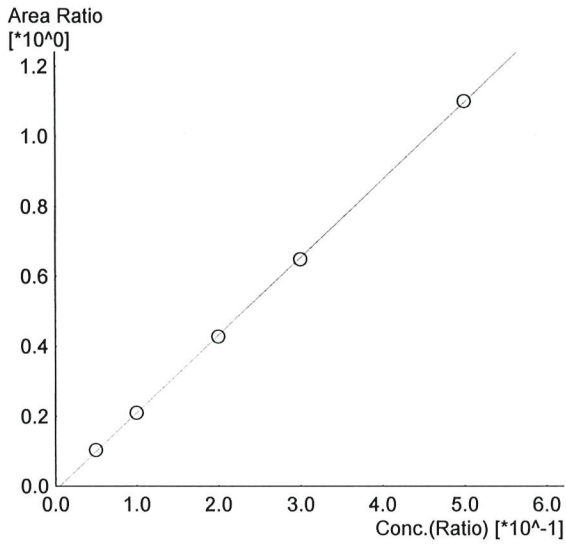
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	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
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Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.21799*x-0.0120727$   
 R<sup>2</sup> value= 0.9998876 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

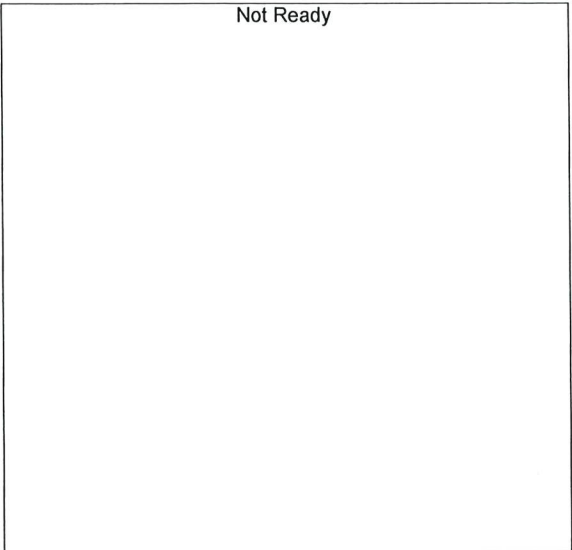
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18789	0.0519	0.050_5302024_001.gcd
2	0.100	38377	0.1001	0.100_5302024_002.gcd
3	0.200	78815	0.1982	0.200_5302024_003.gcd
4	0.300	119273	0.2978	0.300_5302024_004.gcd
5	0.500	203848	0.5017	0.500_5302024_005.gcd



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*



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

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

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

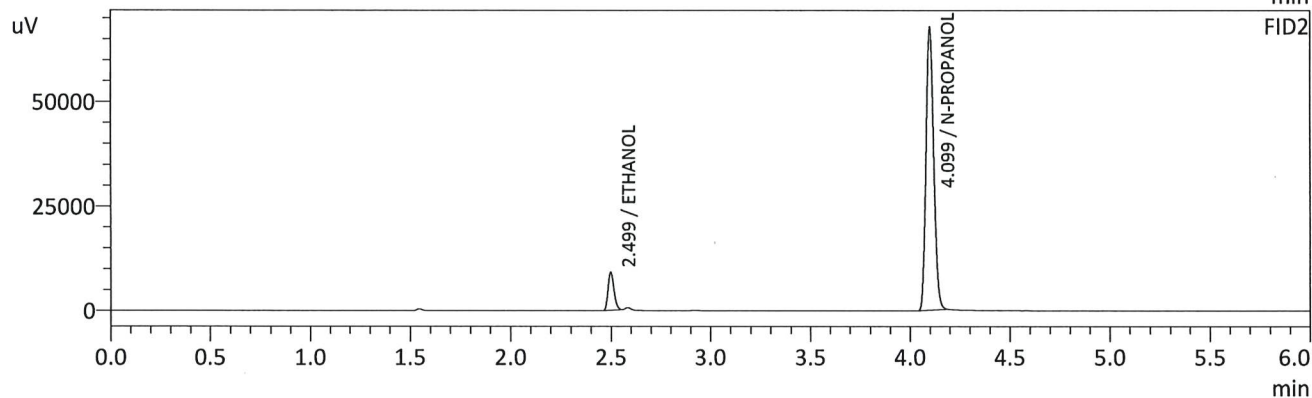
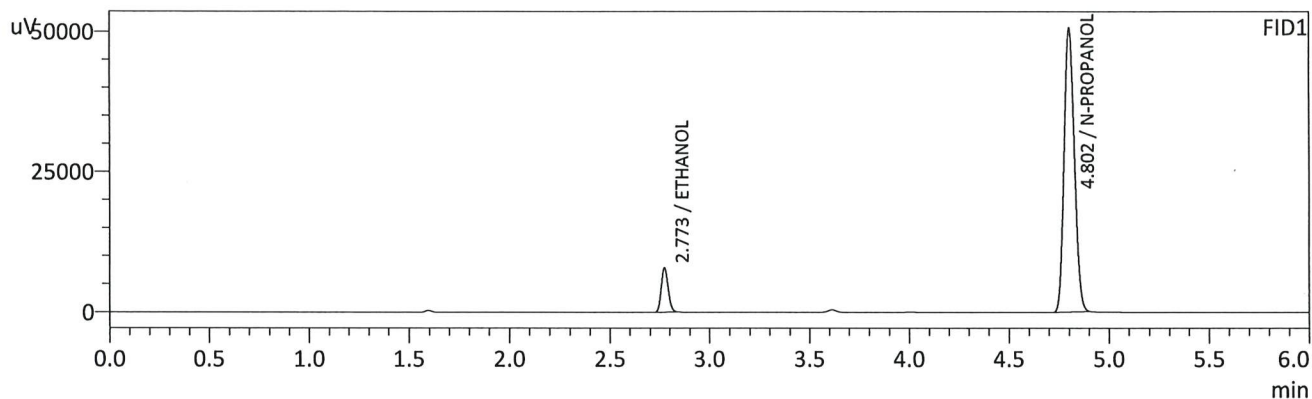


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_5302024\_001.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 3:08:08 PM  
 Date Processed : 5/31/2024 8:01:38 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

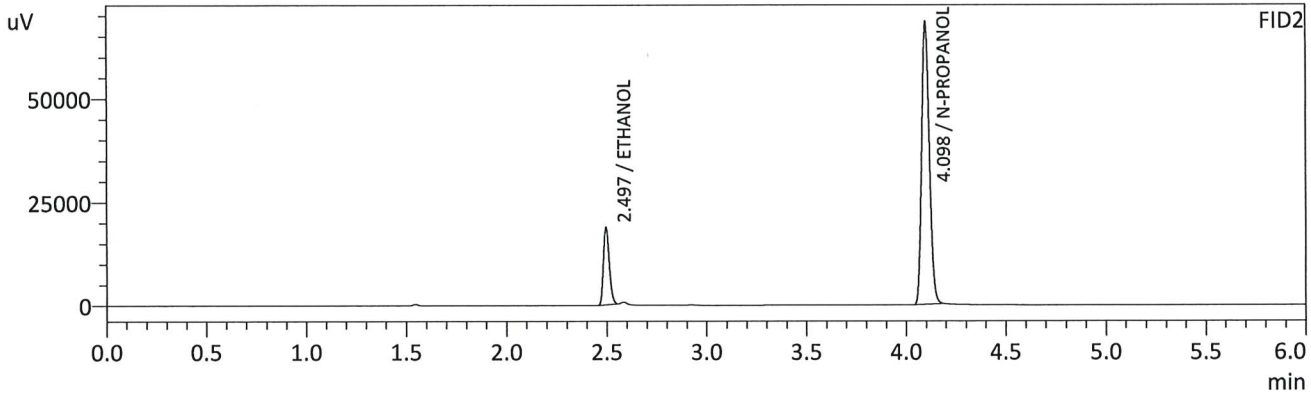
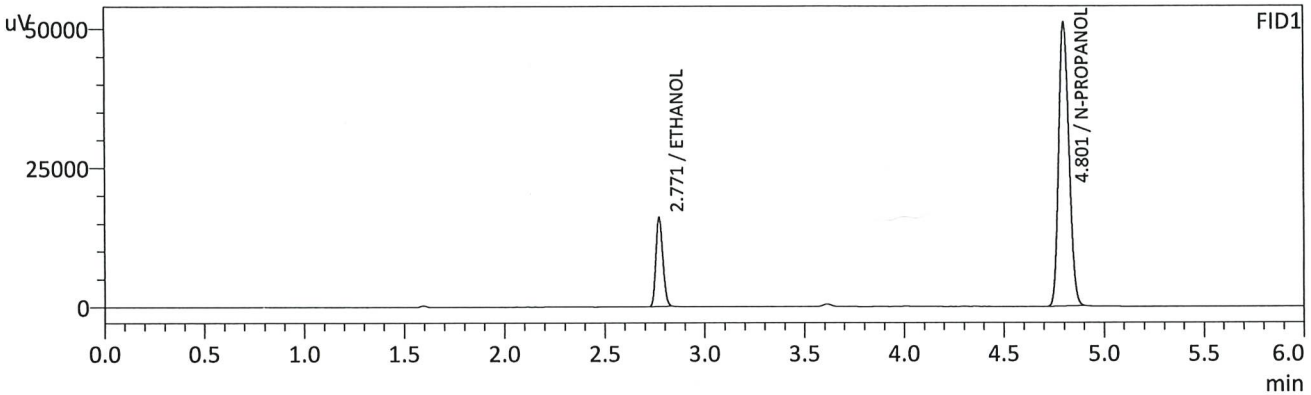
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	19146	7832
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179564	50478
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0519	g/100cc	18789	9073
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182092	67557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_5302024\_002.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 3:17:38 PM  
 Date Processed : 5/31/2024 8:01:42 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

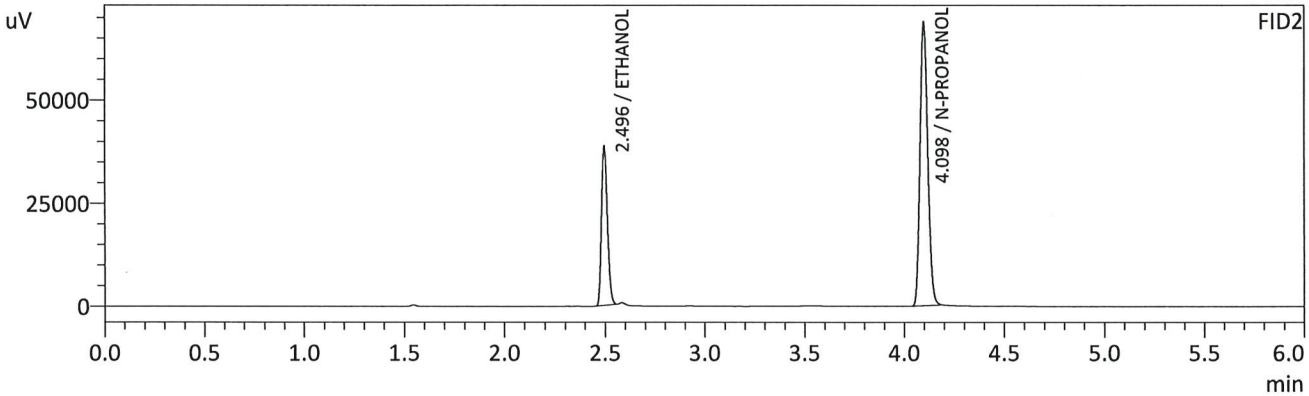
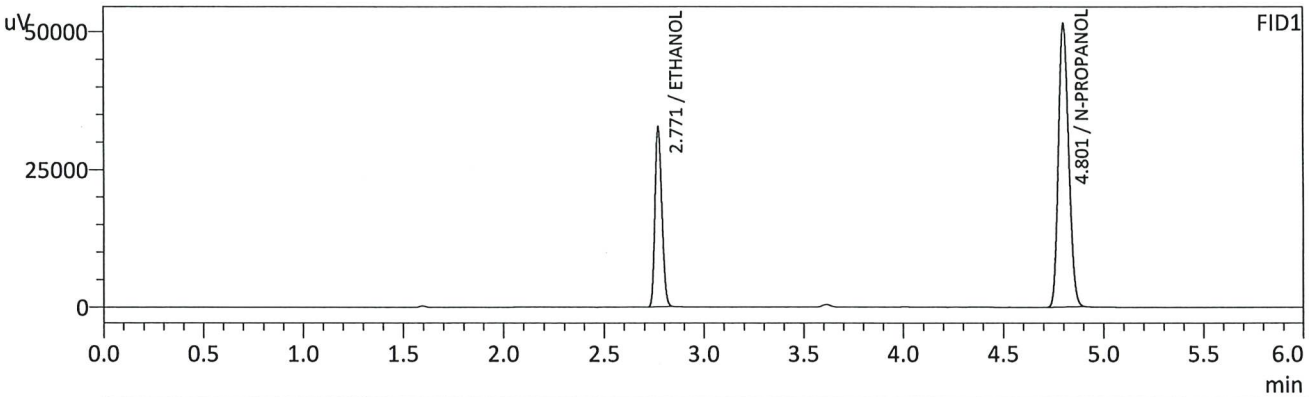
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	38653	15994
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180792	50964
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	38377	18553
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182712	67847
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_5302024\_003.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 3:26:59 PM  
 Date Processed : 5/31/2024 8:01:45 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

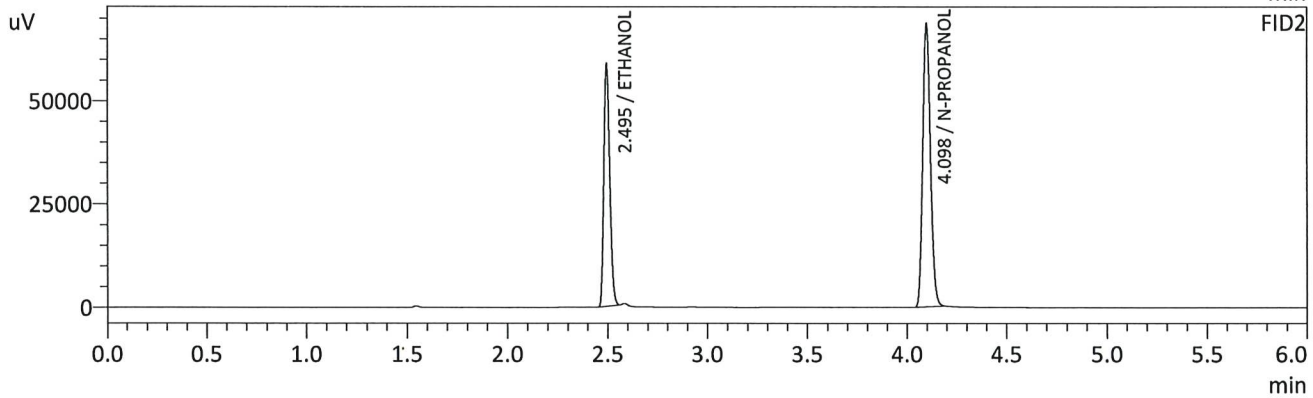
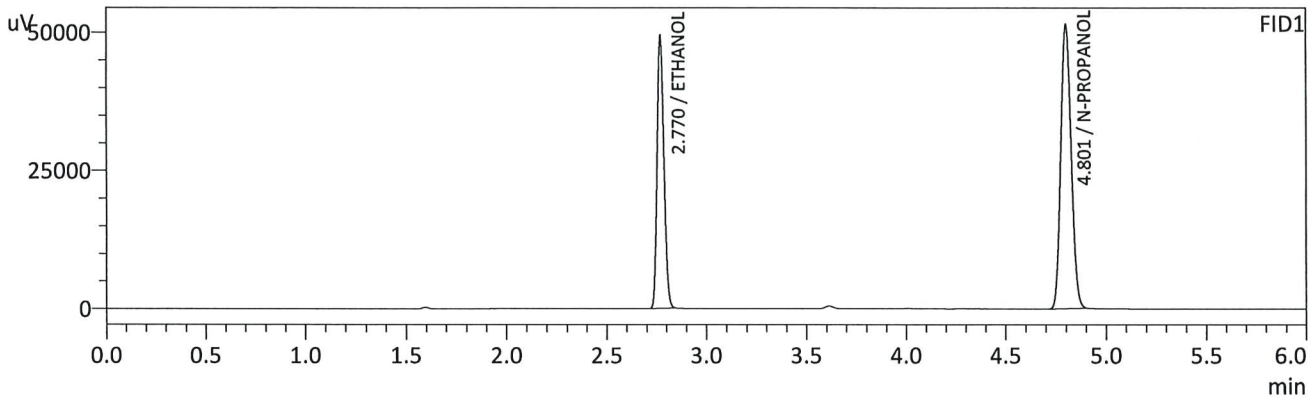
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	78484	32699
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182812	51403
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	78815	38449
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184265	68504
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_5302024\_004.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 3:36:44 PM  
 Date Processed : 5/31/2024 8:01:48 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

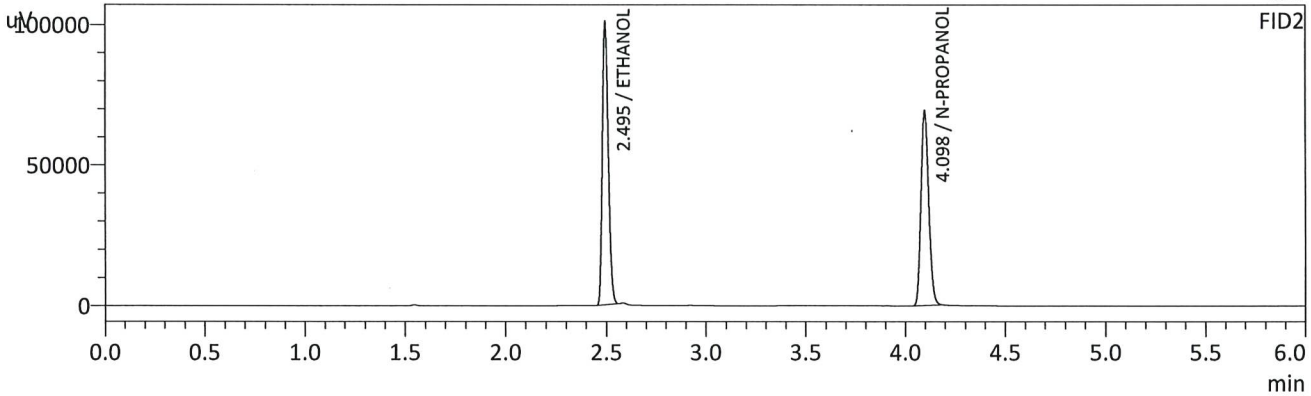
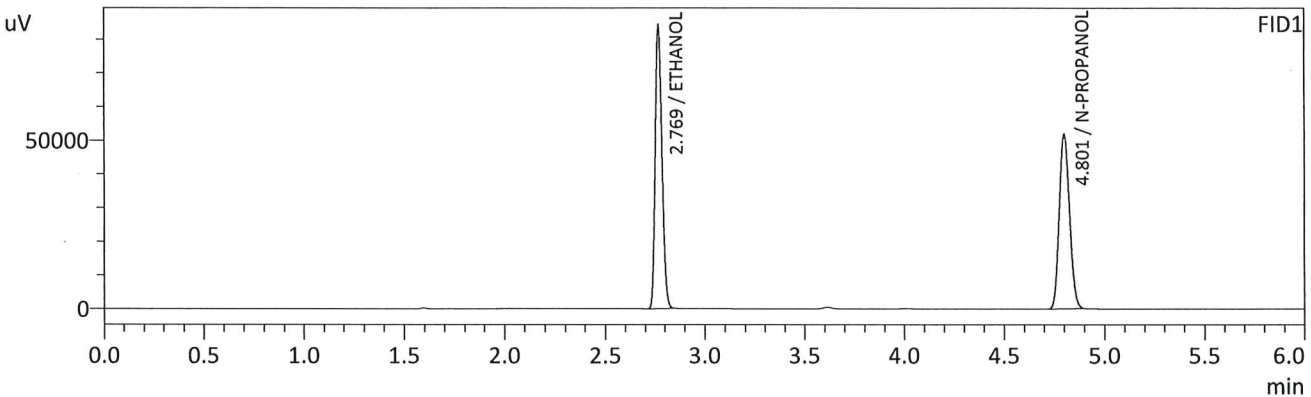
Name	Conc. .	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	118243	49322
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182376	51390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	119273	58617
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183894	68071
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_5302024\_005.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 3:46:15 PM  
 Date Processed : 5/30/2024 3:52:17 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	200843	84110
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183715	51835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	203848	100655
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185185	68704
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1

Analysis Date(s): 5/31/2024 3:34:22 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0818	0.0813	0.0005	0.0815	0.0000	0.0815
(g/100cc)	0.0818	0.0813	0.0005	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

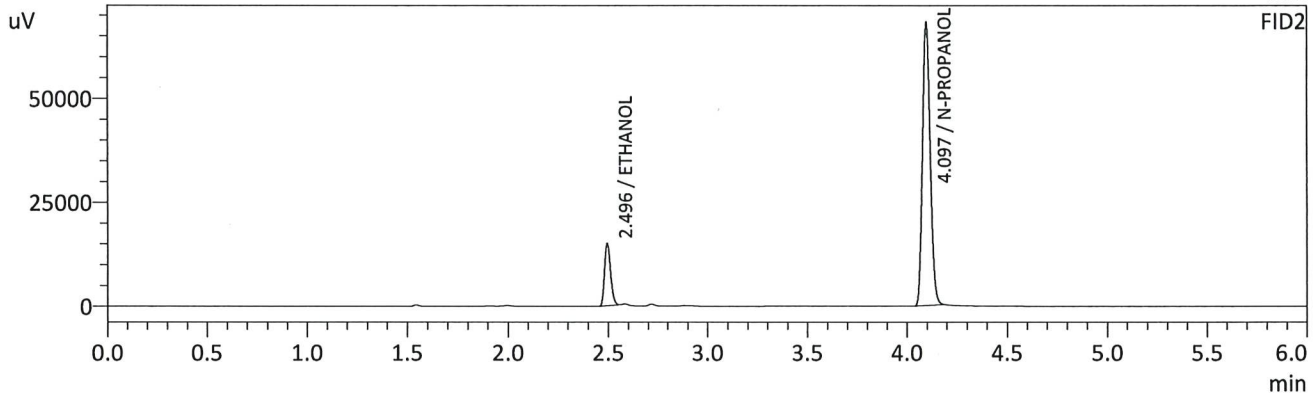
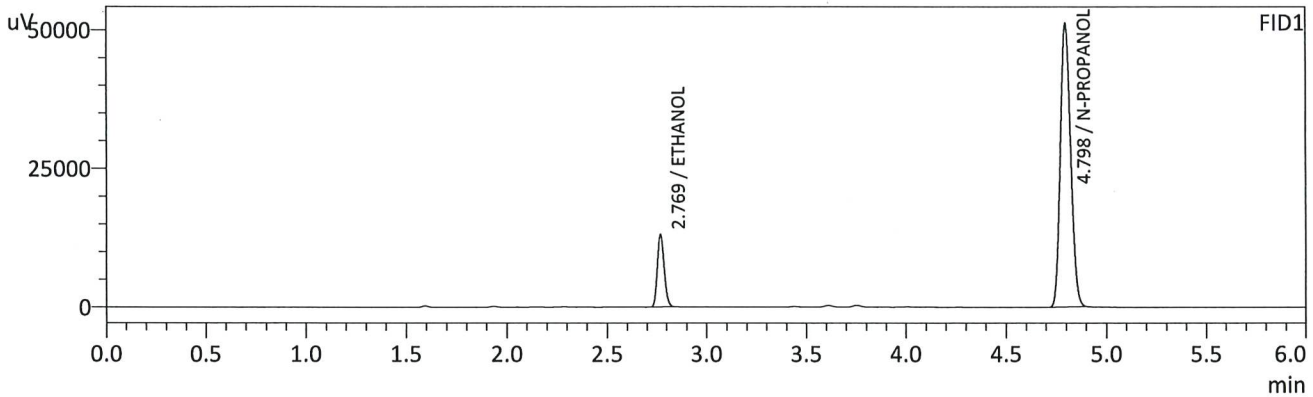
Refer To Instrument Method: ALCOHOL\_053024\_RC.gcm

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.

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_5312024\_004.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:34:22 PM  
 Date Processed : 5/31/2024 3:40:23 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

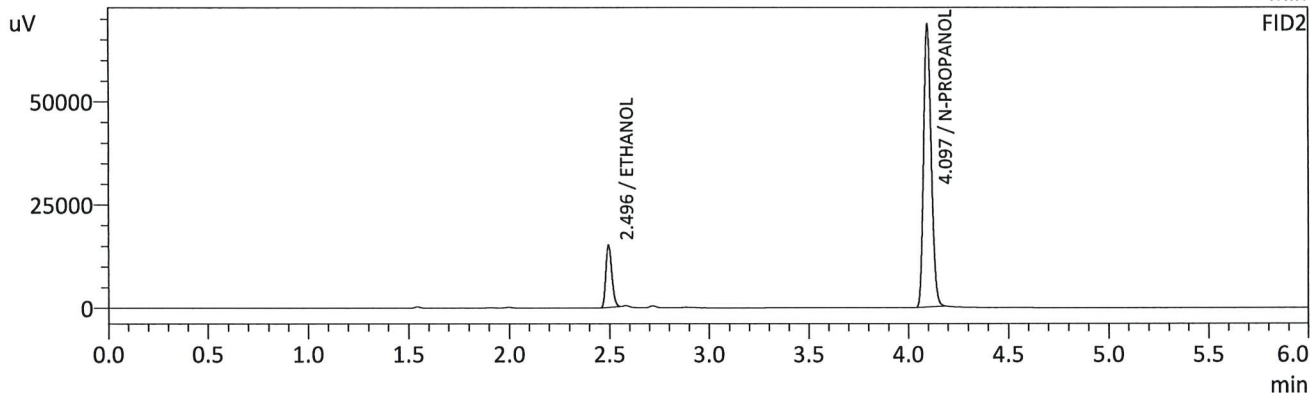
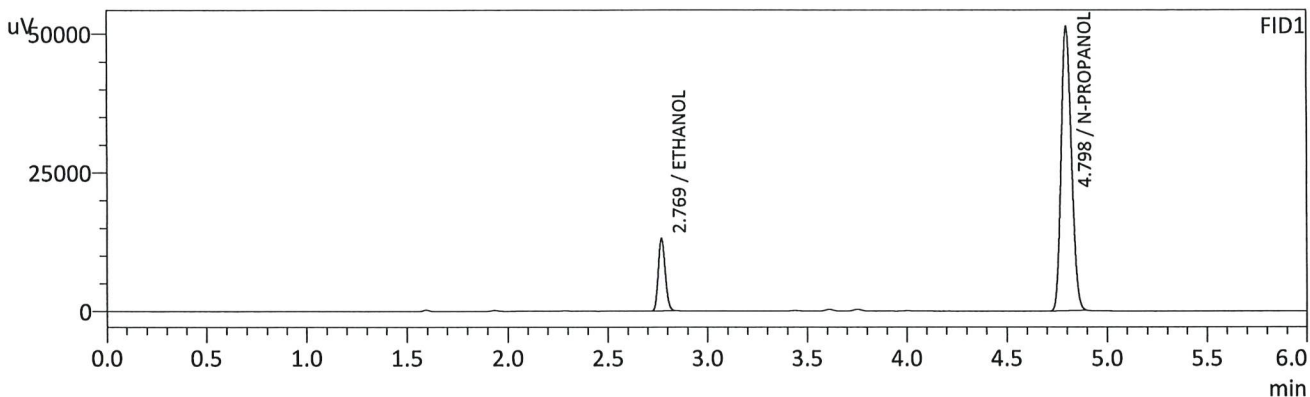
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	31476	13042
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181493	51026
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	30775	14941
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182905	67825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_5312024\_005.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:43:53 PM  
 Date Processed : 5/31/2024 3:49:55 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	31536	13062
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181955	51112
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

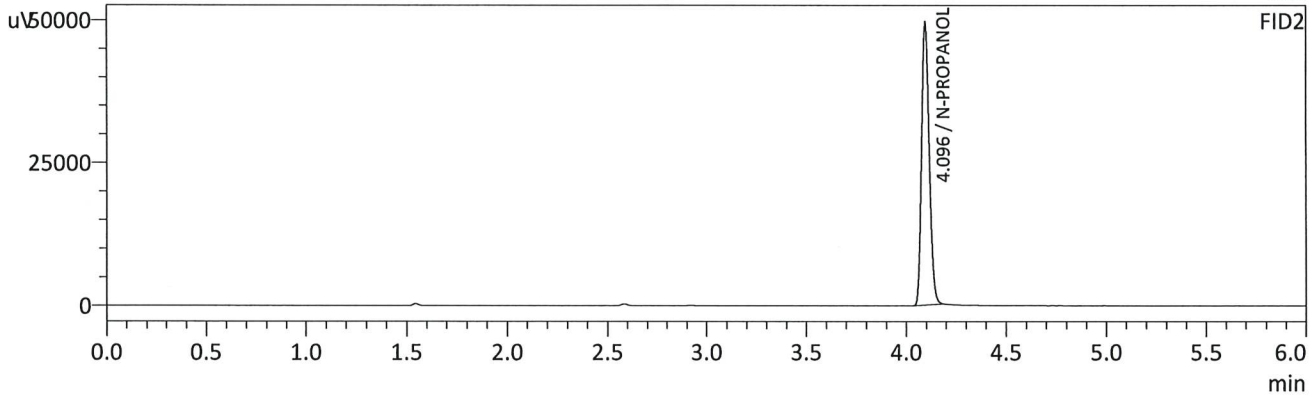
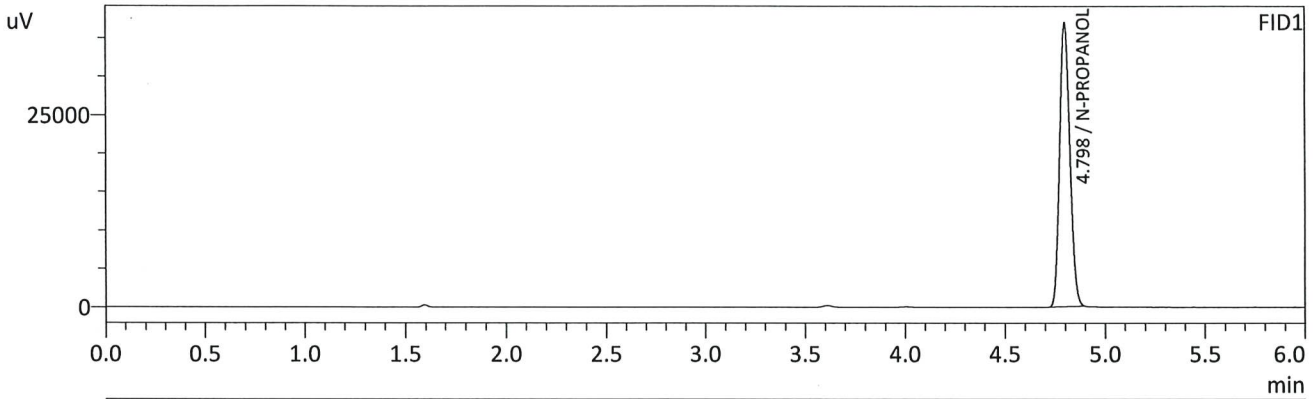
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	30877	15001
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183440	68156
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_5312024\_001.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:05:46 PM  
 Date Processed : 5/31/2024 3:11:48 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

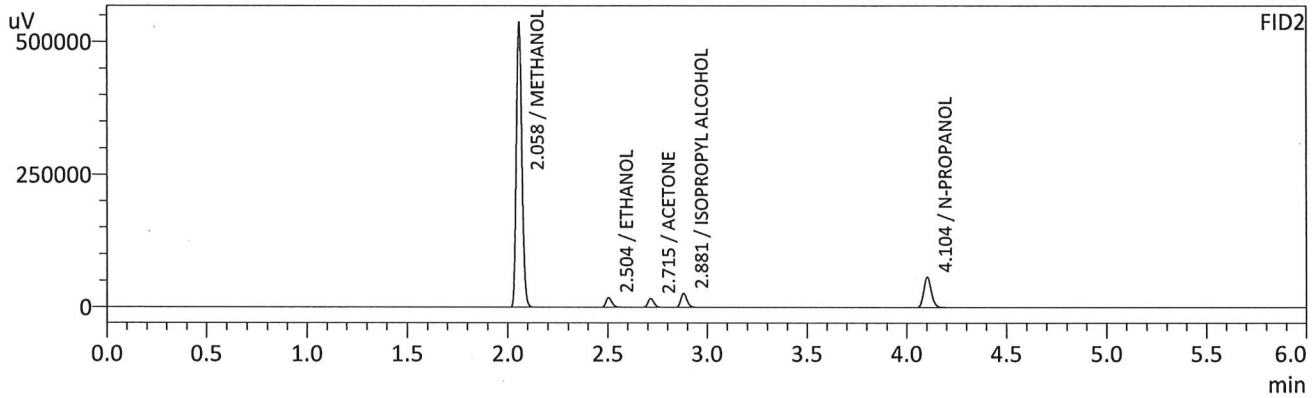
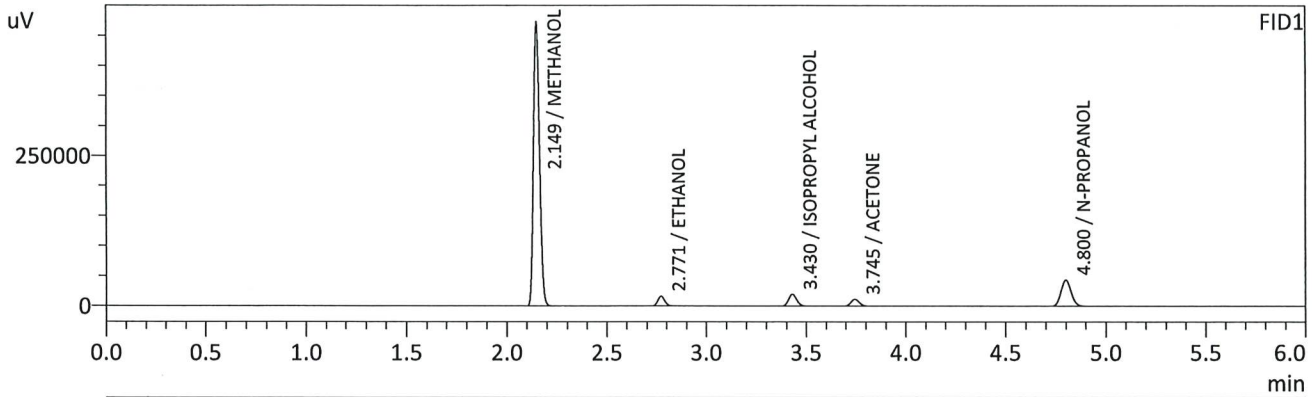
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	130746	36825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	132292	49442
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_5312024\_002.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:15:16 PM  
 Date Processed : 5/31/2024 3:21:18 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

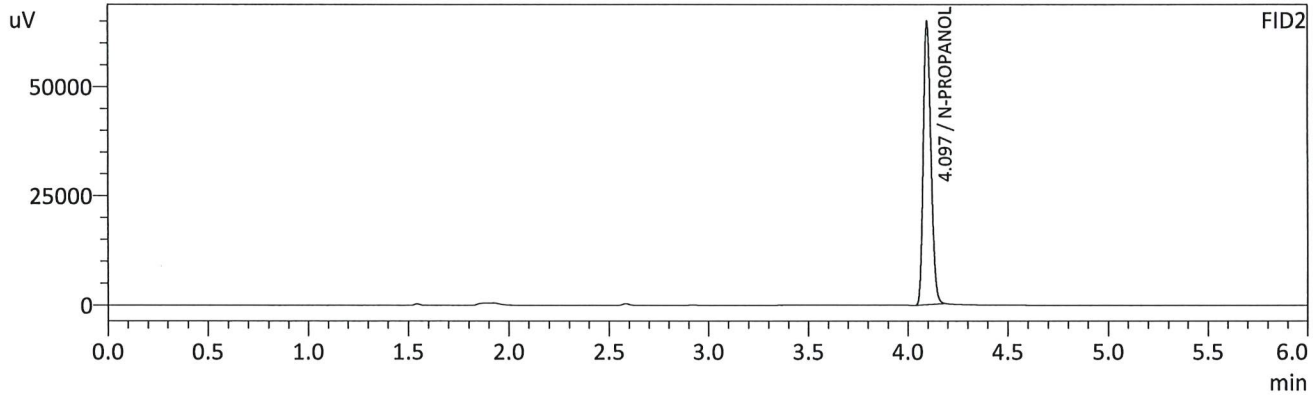
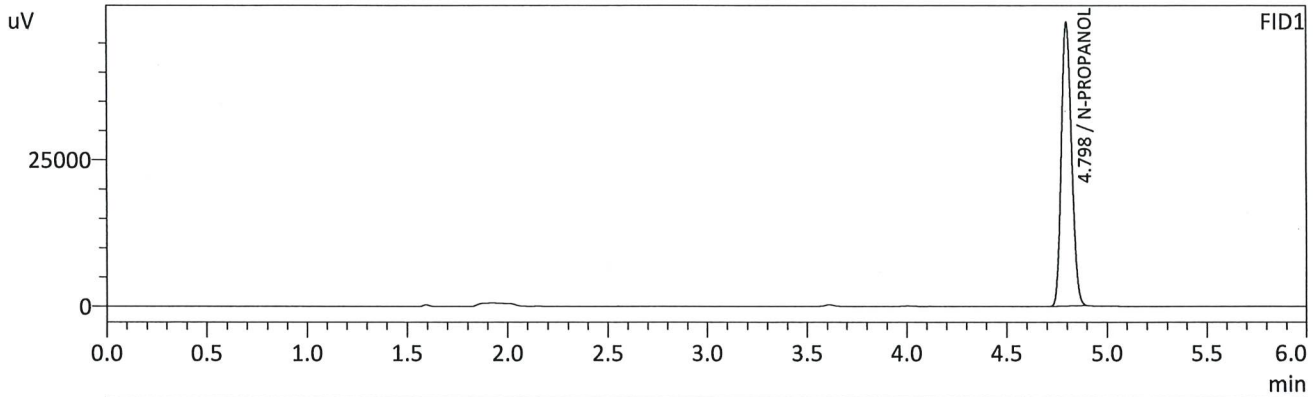
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1001549	471723
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1174	g/100cc	38107	15962
ISOPROPYL ALCOHOL	0.0000	g/100cc	54812	19307
ACETONE	0.0000	g/100cc	32320	11161
N-PROPANOL	0.0000	g/100cc	151587	43197
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	1035321	529067
ETHANOL	0.1156	g/100cc	36845	18028
ACETONE	0.0000	g/100cc	33637	16474
ISOPROPYL ALCOHOL	0.0000	g/100cc	55282	25767
N-PROPANOL	0.0000	g/100cc	150683	56848
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature or initials in blue ink.*

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_5312024\_003.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:24:37 PM  
 Date Processed : 5/31/2024 3:30:38 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	172009	48395
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173206	64446
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 5/31/2024 3:53:11 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0814	0.0809	0.0005	0.0811	0.0001	0.0811
(g/100cc)	0.0814	0.0810	0.0004	0.0812		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

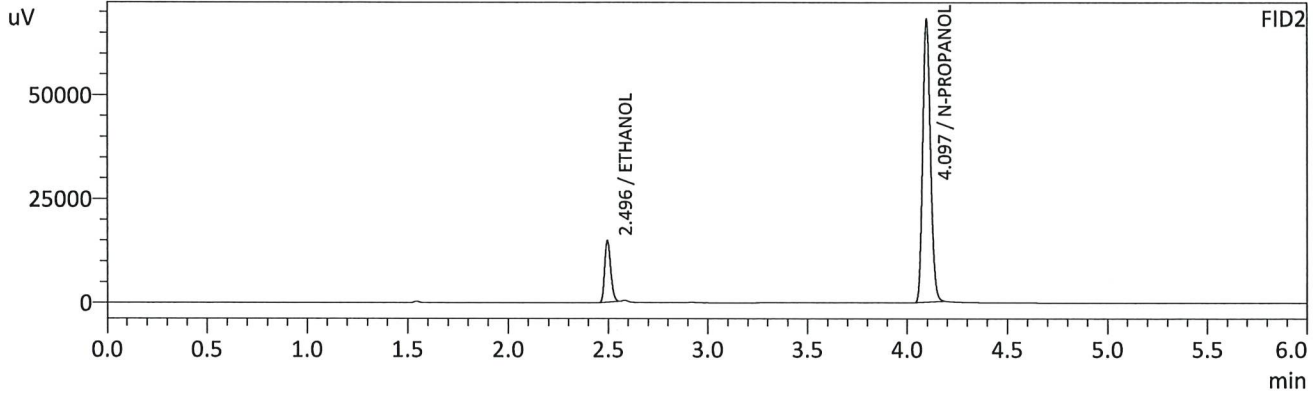
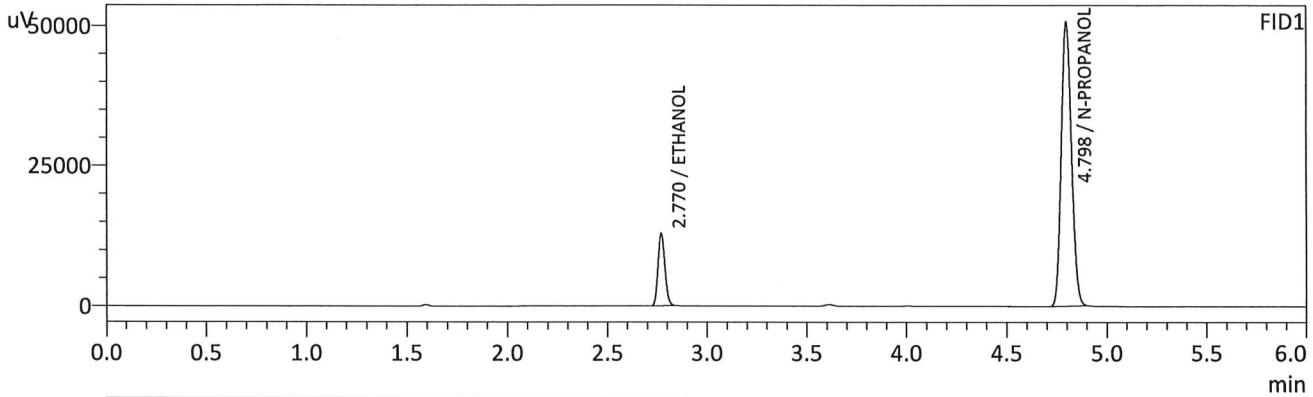
Refer To Instrument Method: ALCOHOL\_053024\_RC.gcm

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.

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_5312024\_007.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 4:02:56 PM  
 Date Processed : 5/31/2024 4:08:57 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

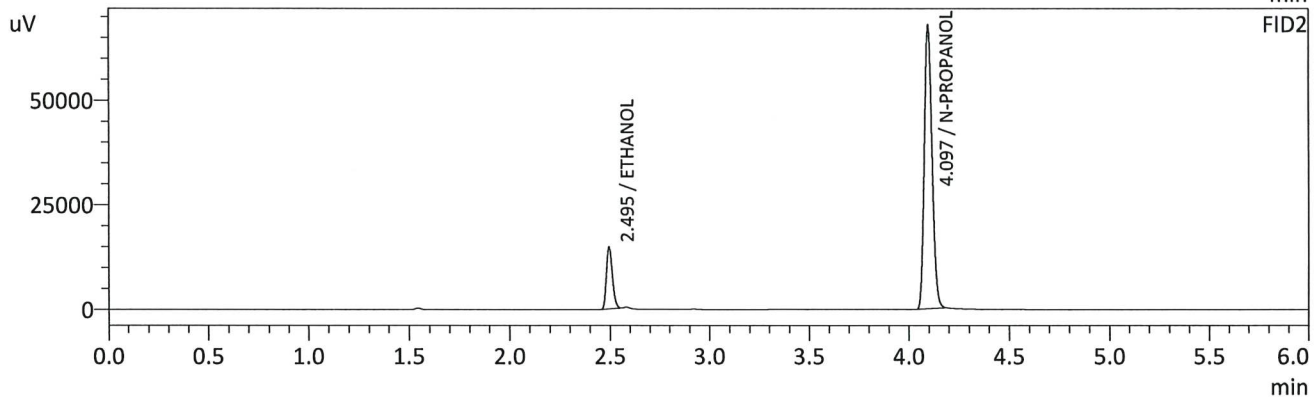
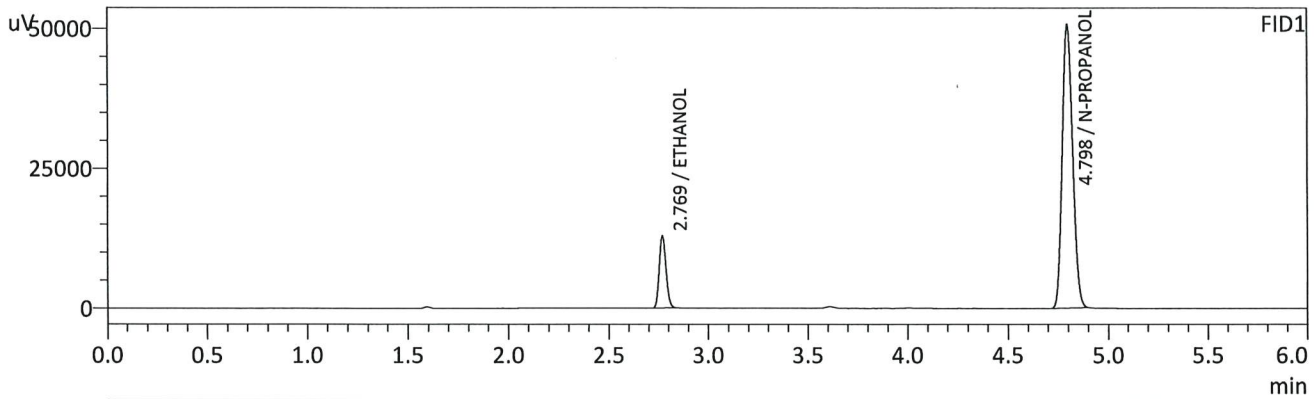
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	31045	12870
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179949	50589
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	30402	14736
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181394	67717
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_5312024\_006.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 3:53:11 PM  
 Date Processed : 5/31/2024 3:59:13 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	31029	12843
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179977	50506
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	30378	14757
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181307	67506
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 5/31/2024 7:03:47 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2016	0.2006	0.0010	0.2011	0.0027	0.2024
(g/100cc)	0.2041	0.2035	0.0006	0.2038		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_053024\_RC.gcm

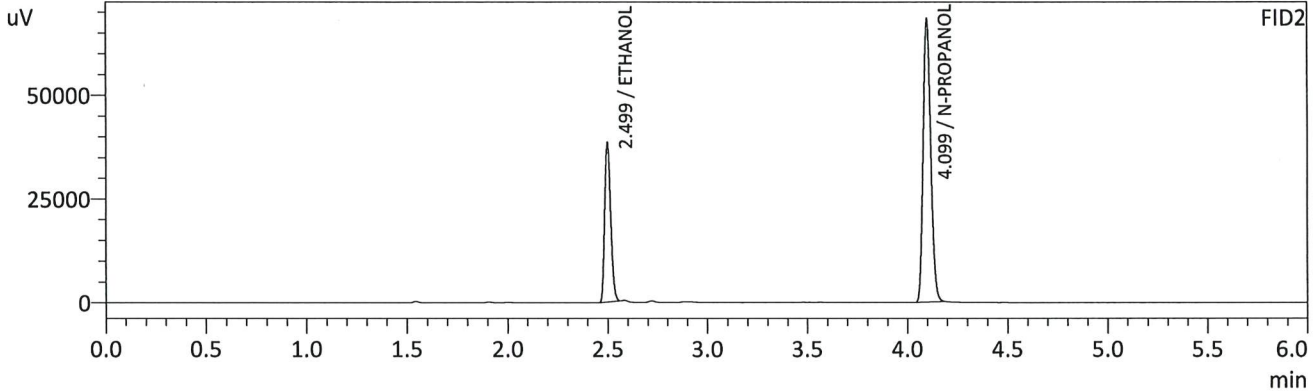
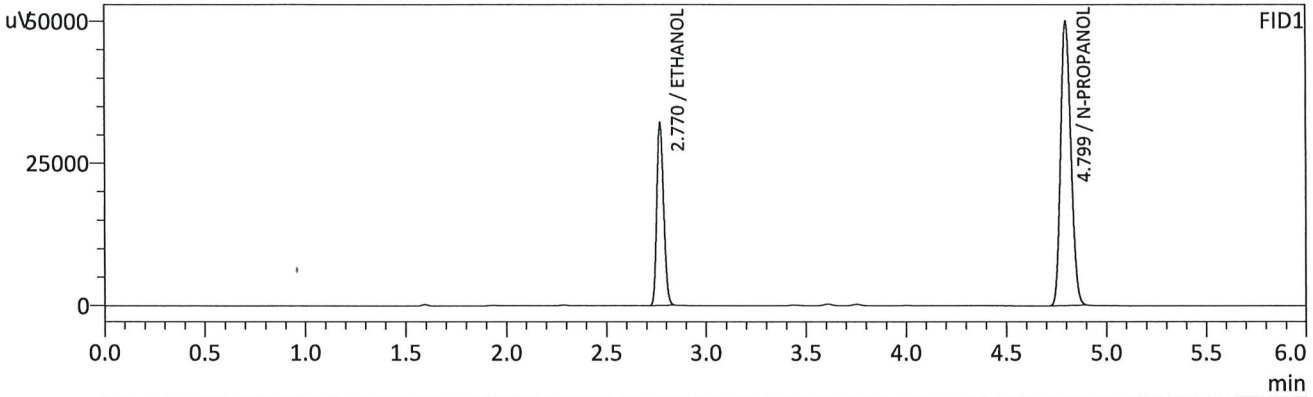
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.202	0.191	0.213	0.011

	Reported Results	
	0.202	

Calibration and control data are stored centrally.

*RC*

Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_5312024\_026.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 7:03:47 PM  
 Date Processed : 5/31/2024 7:09:48 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2016	g/100cc	77648	32103
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178055	49946
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

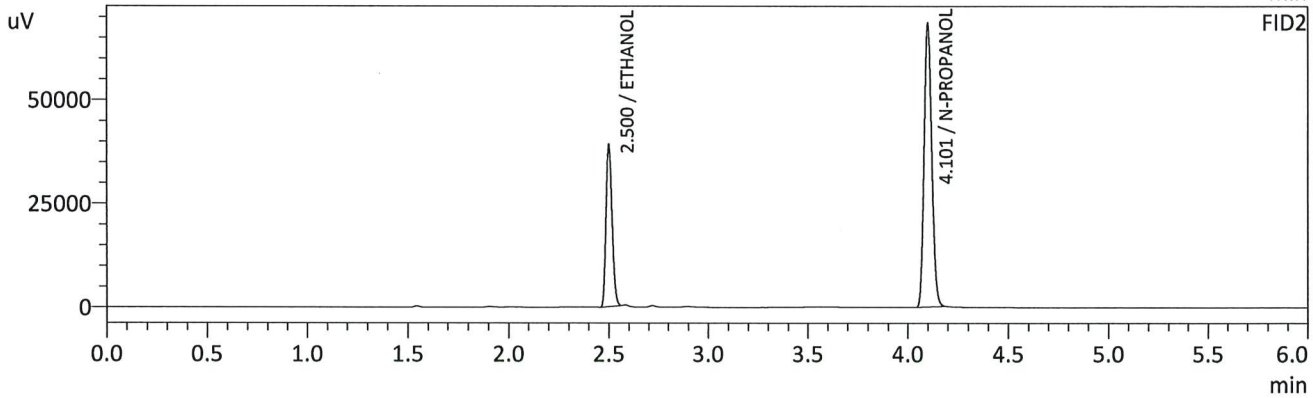
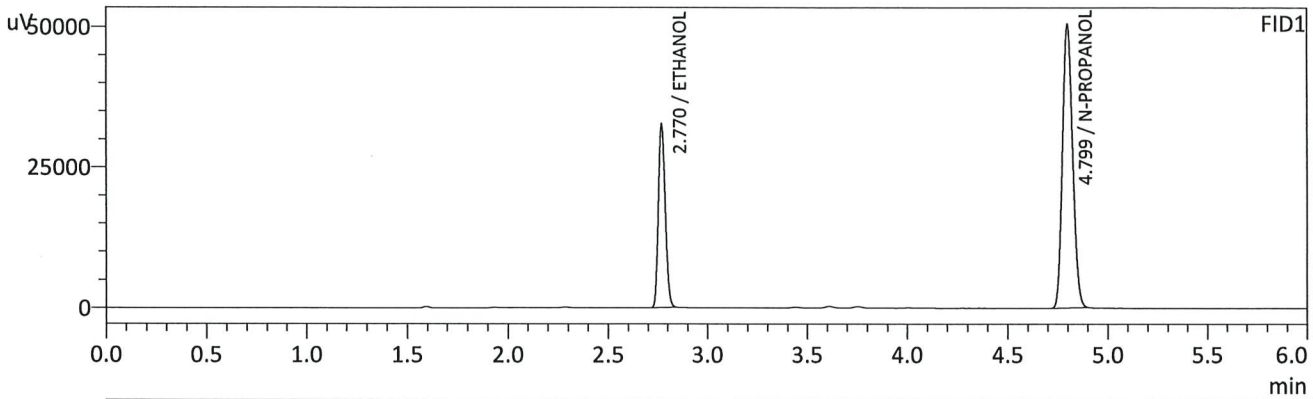
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2006	g/100cc	78999	38419
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182432	68234
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_5312024\_027.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 7:13:05 PM  
 Date Processed : 5/31/2024 7:19:06 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

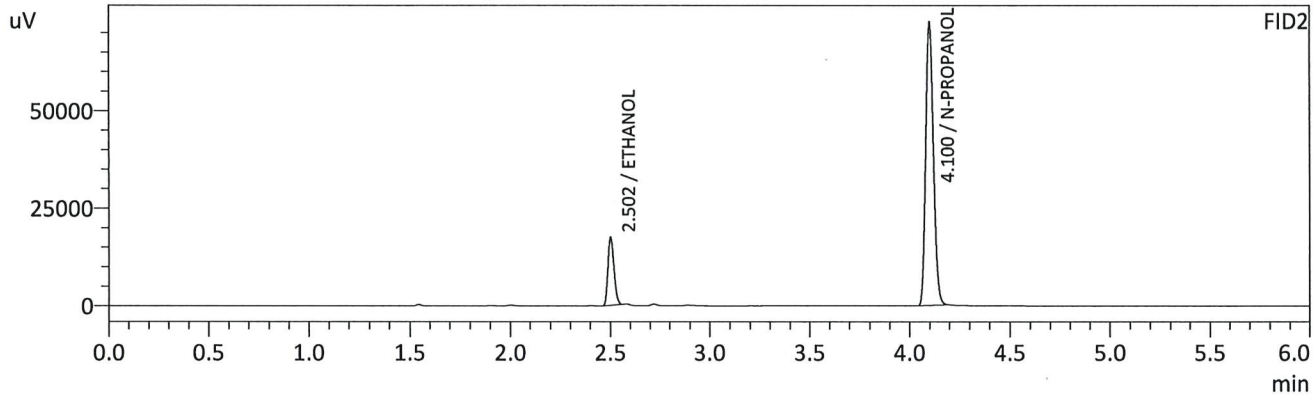
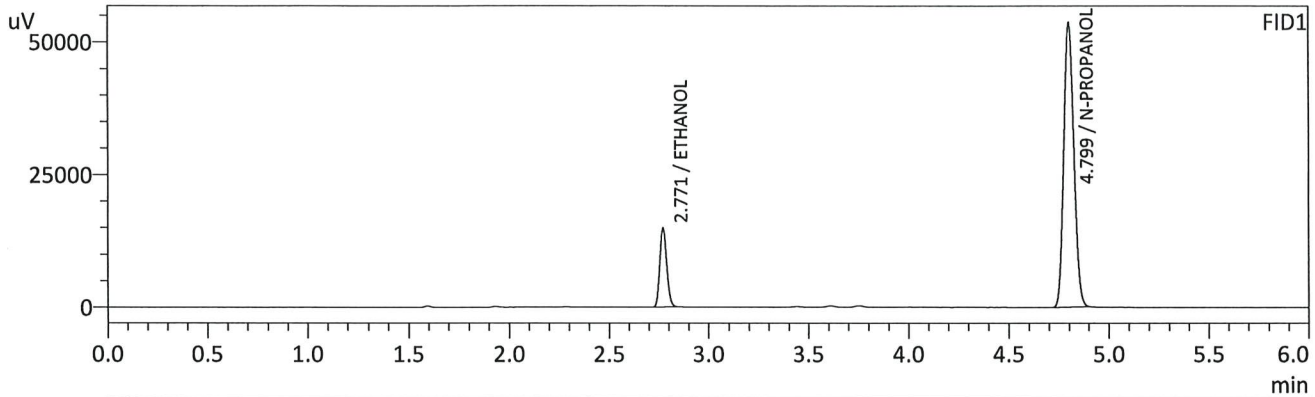
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2041	g/100cc	78897	32642
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178660	50471
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2035	g/100cc	80309	39068
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182804	68351
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-2-B  
 Vial # : 45  
 Data Filename : QC1-2-B\_5312024\_045.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 10:04:29 PM  
 Date Processed : 5/31/2024 10:10:31 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0893	g/100cc	35945	14790
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189381	53583
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	35907	17296
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194150	72619
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 5/31/2024 9:55:12 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0885	0.0882	0.0003	0.0883	0.0007	0.0887
(g/100cc)	0.0893	0.0888	0.0005	0.0890		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_053024\_RC.gcm

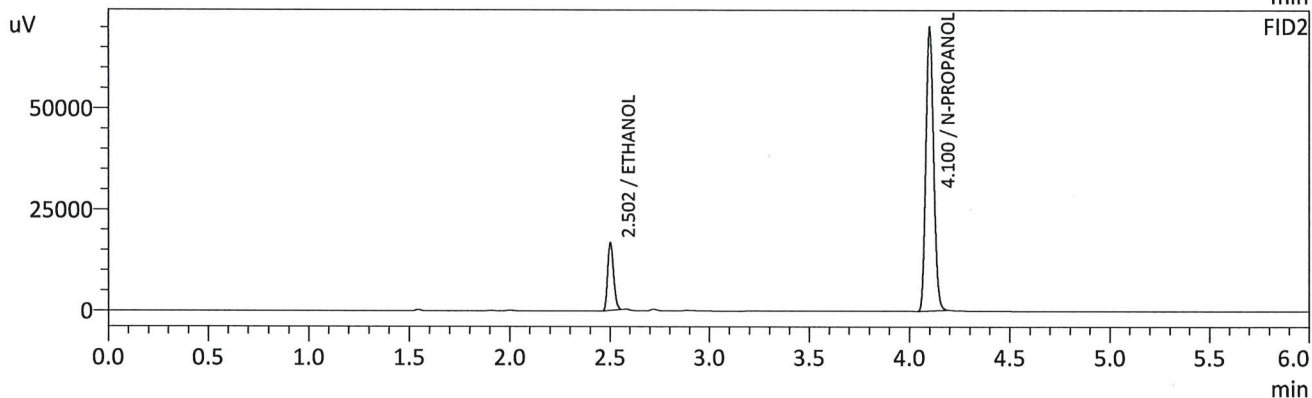
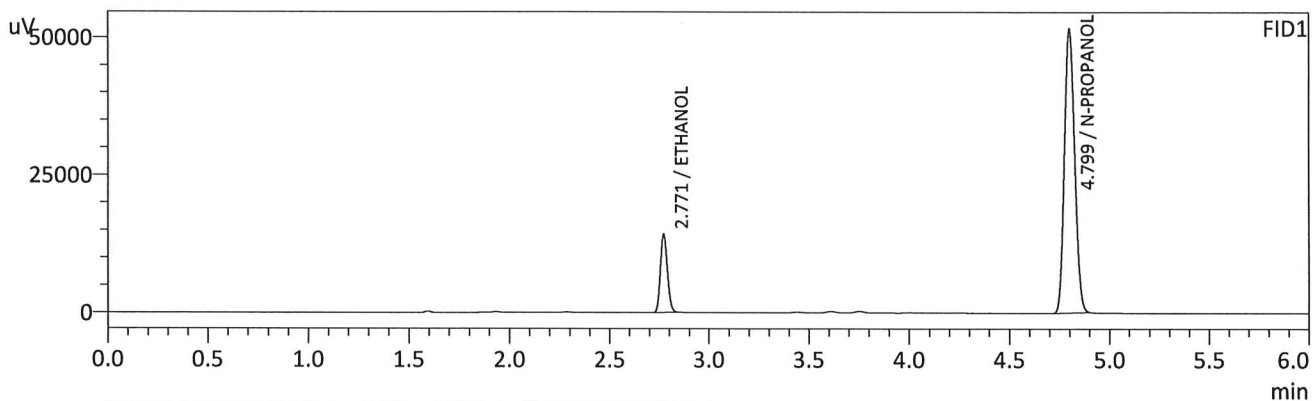
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results
	0.088

Calibration and control data are stored centrally.

*RC*

Sample Name : QC1-2  
 Vial # : 44  
 Data Filename : QC1-2\_5312024\_044.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 9:55:12 PM  
 Date Processed : 5/31/2024 10:01:13 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

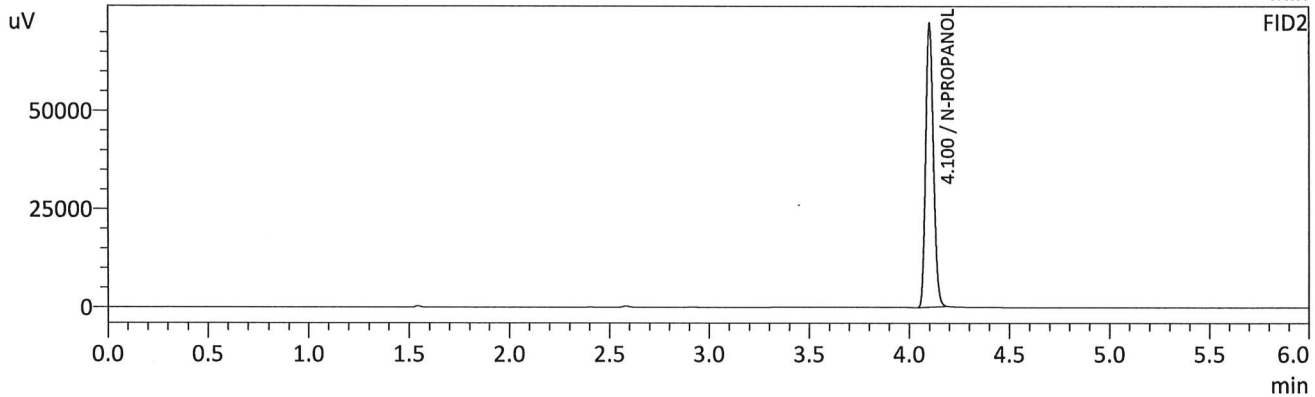
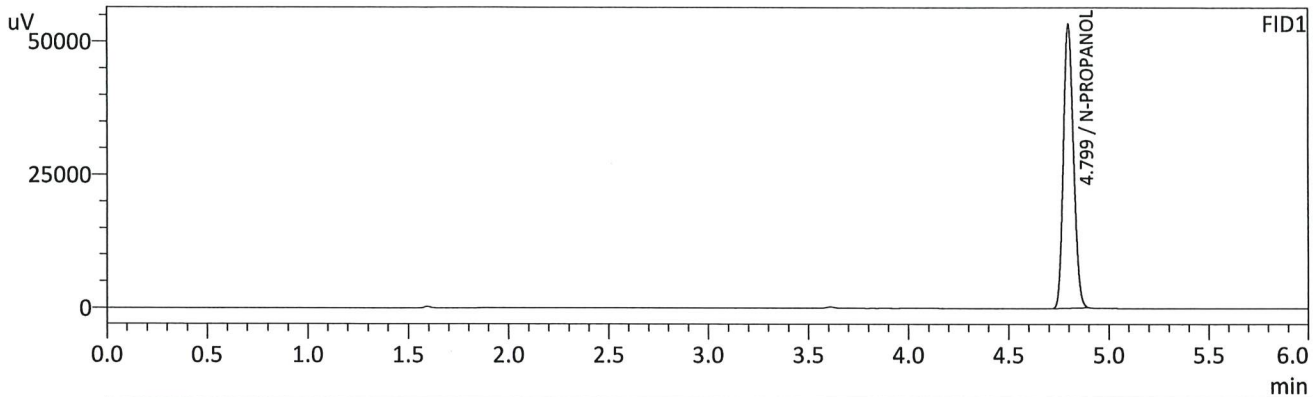
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0885	g/100cc	34376	14164
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182848	51571
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	34382	16512
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187305	70018
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 3  
 Vial # : 46  
 Data Filename : INT STD BLK 3\_5312024\_046.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053124\_RC.gcb  
 Date Acquired : 5/31/2024 10:14:19 PM  
 Date Processed : 5/31/2024 10:20:22 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

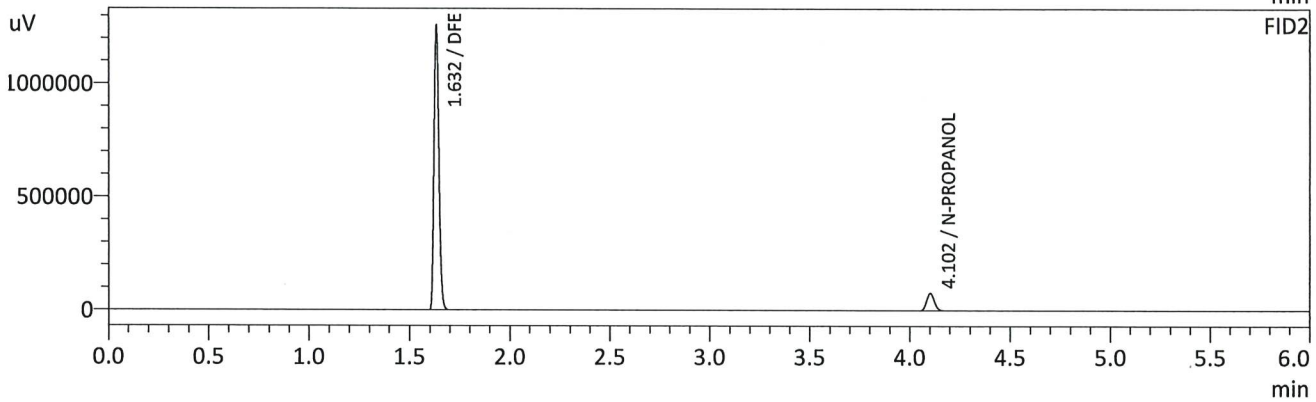
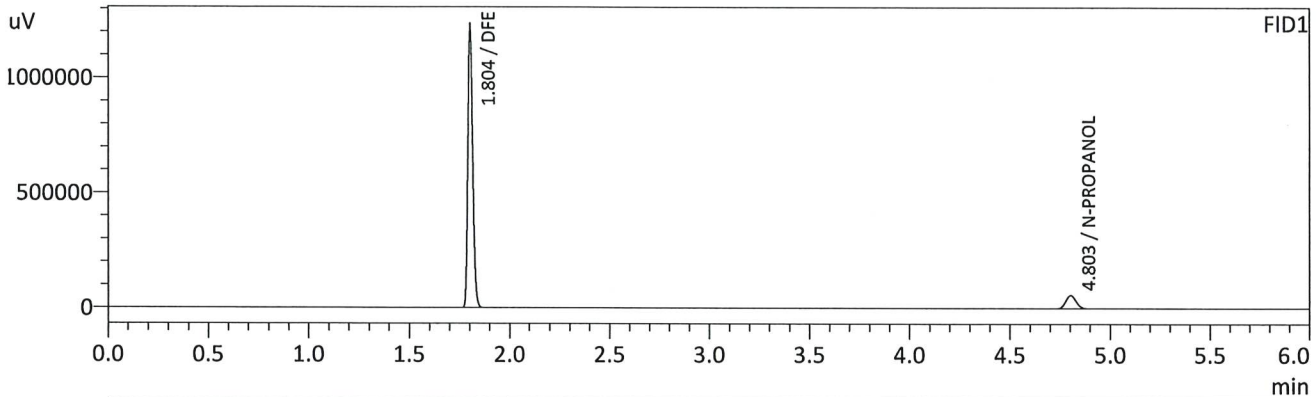
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188234	53271
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192991	72332
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*ARC*

Sample Name : DFE STD  
 Vial # : 54  
 Data Filename : DFE STD\_5302024\_054.gcd  
 Method Filename : ALCOHOL\_053024\_RC.gcm  
 Batch Filename : BATCH\_053024\_RC.gcb  
 Date Acquired : 5/30/2024 11:32:33 PM  
 Date Processed : 5/30/2024 11:38:35 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	201429	56956
DFE	0.0000	g/100cc	2082647	1229318
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205650	76597
DFE	0.0000	g/100cc	2119029	1249190
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_053024_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_053024_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_053024_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_053024_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_053024_RC.gcm		0
8	P2024-1554-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
9	P2024-1554-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
10	P2024-1564-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
11	P2024-1564-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
12	P2024-1565-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
13	P2024-1565-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
14	P2024-1574-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
15	P2024-1574-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
16	P2024-1583-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
17	P2024-1583-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
18	P2024-1589-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
19	P2024-1589-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
20	P2024-1590-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
21	P2024-1590-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
22	P2024-1600-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
23	P2024-1600-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
24	P2024-1601-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
25	P2024-1601-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
28	P2024-1610-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
29	P2024-1610-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
30	P2024-1614-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
31	P2024-1614-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
32	P2024-1633-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
33	P2024-1633-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
34	P2024-1641-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
35	P2024-1641-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
36	P2024-1651-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
37	P2024-1651-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
38	P2024-1652-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
39	P2024-1652-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
40	P2024-1662-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
41	P2024-1662-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
42	M2024-1224-3	0:Unknown	ALCOHOL_053024_RC.gcm		0
43	M2024-1224-3-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
44	QC1-2	0:Unknown	ALCOHOL_053024_RC.gcm		0
45	QC1-2-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
46	INT STD BLK 3	0:Unknown	ALCOHOL_053024_RC.gcm		0

DFE std ran in 5/30/24 batch.

RC  
5/31/24

RC