



















Worklist: 6912

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-2595	1	BCK	Alcohol Analysis	
P2024-2596	1	BCK	Alcohol Analysis	
P2024-2597	1	BCK	Alcohol Analysis	
P2024-2598	1	BCK	Alcohol Analysis	
P2024-2599	1	BCK	Alcohol Analysis	
P2024-2604	1	BCK	Alcohol Analysis	
P2024-2605	1	BCK	Alcohol Analysis	
P2024-2608	1	BCK	Alcohol Analysis	
P2024-2614	2	BCK	Alcohol Analysis	
P2024-2620	1	BCK	Alcohol Analysis	
P2024-2624	1	BCK	Alcohol Analysis	
P2024-2625	1	BCK	Alcohol Analysis	
P2024-2626	1	BCK	Alcohol Analysis	
P2024-2627	1	BCK	Alcohol Analysis	
P2024-2649	1	BCK	Alcohol Analysis	
P2024-2650	1	BCK	Alcohol Analysis	
P2024-2653	1	BCK	Alcohol Analysis	
P2024-2667	1	BCK	Alcohol Analysis	
P2024-2672	1	BCK	Alcohol Analysis	

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600GB9897

Volatiles Quality Assurance Controls Run Date(s): 08/27/2024

Calibration Date: (if different):

Worklist #: 6912

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0822 g/100cc
					0.0891 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2092 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	Column 1	Column 2	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	0.0511	0.0518	0.0007	0.0514
100	0.100	0.090 - 0.110	0.1003	0.1003	0	0.1003
200	0.200	0.180 - 0.220	0.1988	0.1983	0.0005	0.1985
300	0.300	0.270 - 0.330	0.2982	0.2978	0.0004	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5017	0.0005	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

Worklist #: **6912** Run Date(s): **08/27/2024**

Internal Standard Solution: _____ Prep Date: **8/15/2024** Exp Date: **2/15/2025**

Sample Name	Column 1 Value	Column 2 Value
0.080	175721	174876
0.080	175637	174769
QC1	178024	176915
QC1	177376	176484
QC1	178723	179469
QC1	181837	182598
QC1		
QC1		
QC2	176009	176318
QC2	176692	176927
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	177502.4	142001.9	213002.9
Column 2	177294.5	141835.6	212753.4



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

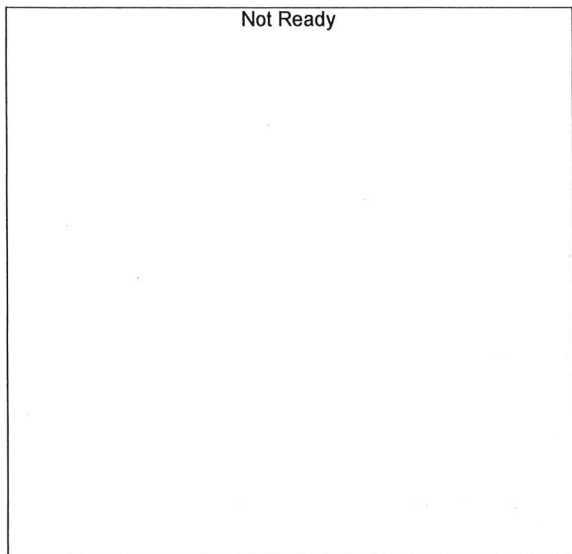
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Calibration Table

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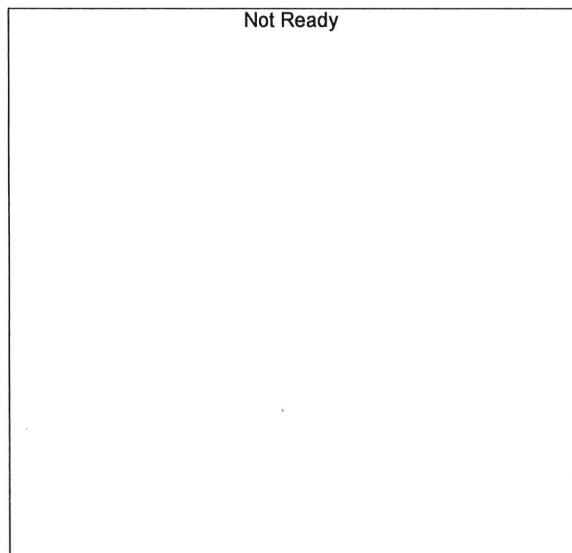
Laboratory: Pocatello
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
 Method File :Default Project - ALCOHOL_082724_RC.gcm
 Batch File :Default Project - BATCH_082724_RC.gcb
 Date Acquired :8/27/2024 3:36:00 PM
 Date Created :8/27/2024 3:32:31 PM
 Date Modified :8/27/2024 3:42:01 PM



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

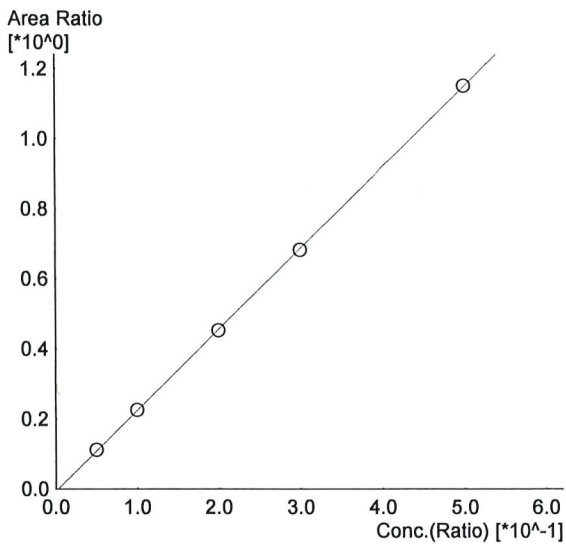
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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



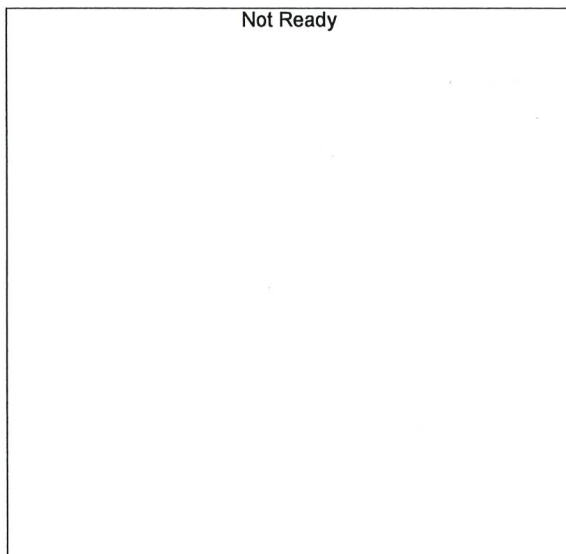
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.30870*x-0.00661469$
 R² value= 0.9999421 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19424	0.0511	0.050_8272024_001.gcd
2	0.100	39547	0.1003	0.100_8272024_002.gcd
3	0.200	79993	0.1988	0.200_8272024_003.gcd
4	0.300	121037	0.2982	0.300_8272024_004.gcd
5	0.500	205219	0.5012	0.500_8272024_005.gcd



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

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



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

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

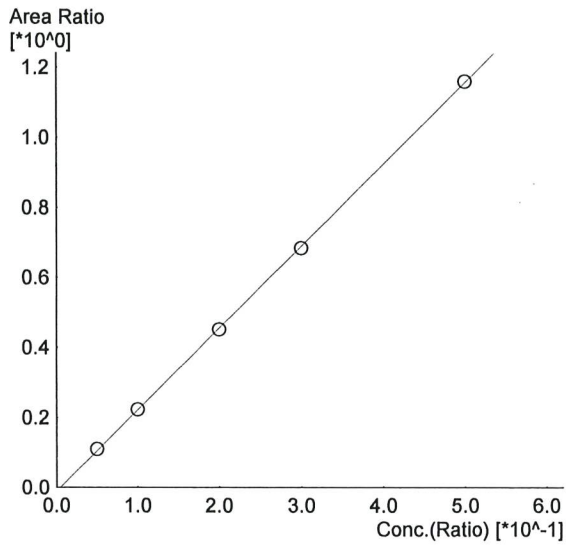
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.33277*x-0.0110177$ ✓
 R² value= 0.9998902 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19186	0.0518	0.050_8272024_001.gcd
2	0.100	39176	0.1003	0.100_8272024_002.gcd
3	0.200	79824	0.1983	0.200_8272024_003.gcd
4	0.300	121270	0.2978	0.300_8272024_004.gcd
5	0.500	206694	0.5017	0.500_8272024_005.gcd



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

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

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

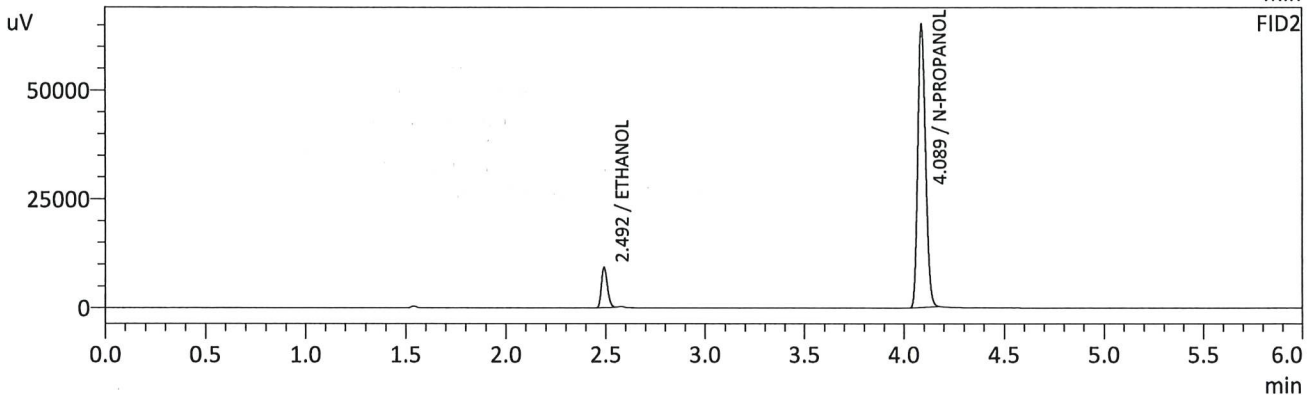
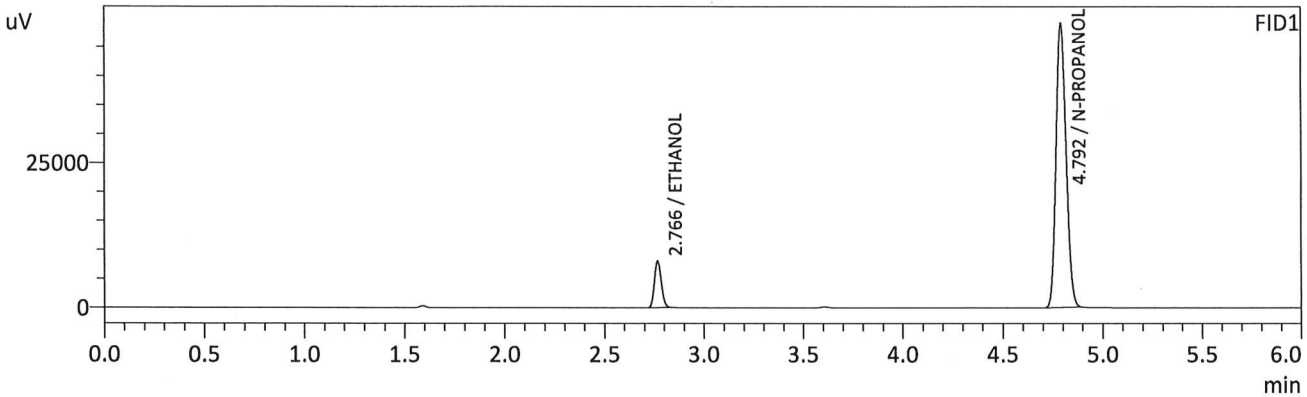
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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
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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_8272024_001.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 2:57:53 PM
 Date Processed : 8/28/2024 7:33:21 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

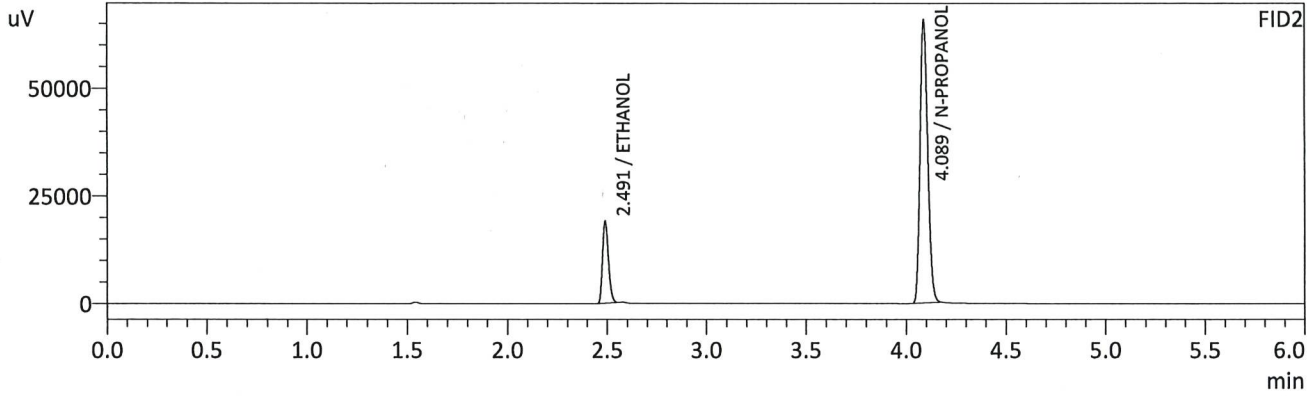
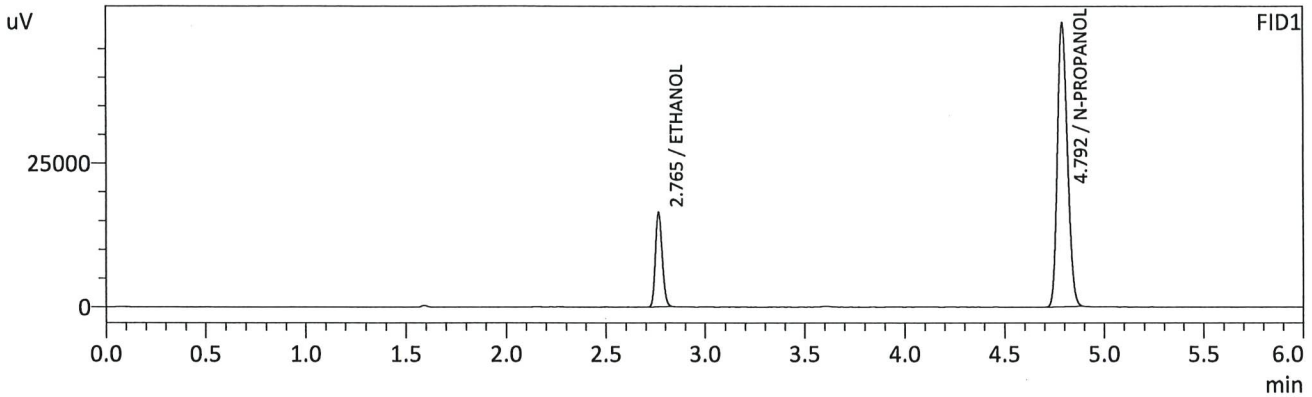
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	19424	8019
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174168	48946
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	19186	9095
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174605	64865
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_8272024_002.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:07:23 PM
 Date Processed : 8/28/2024 7:33:25 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

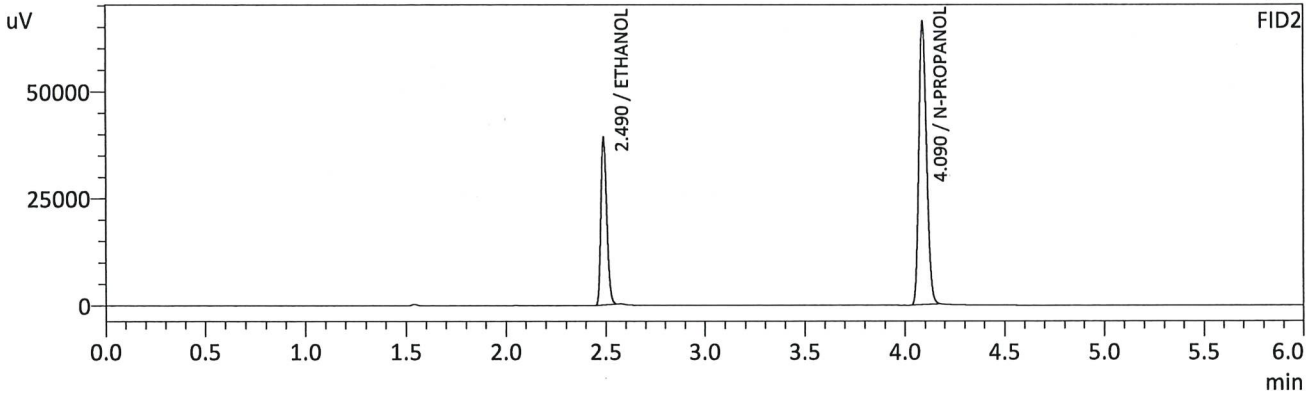
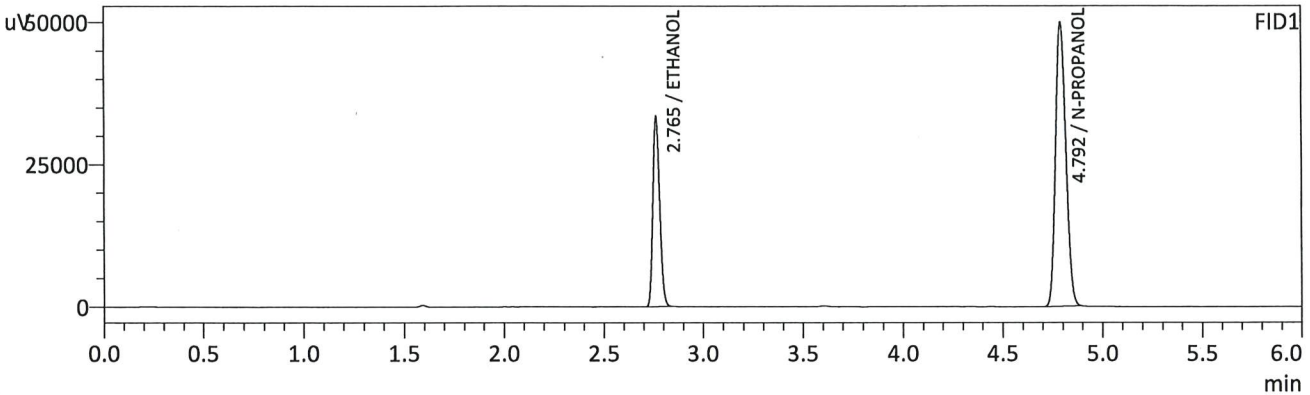
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	39547	16439
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175650	49484
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	39176	18994
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175697	65517
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_8272024_003.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:16:44 PM
 Date Processed : 8/28/2024 7:33:29 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

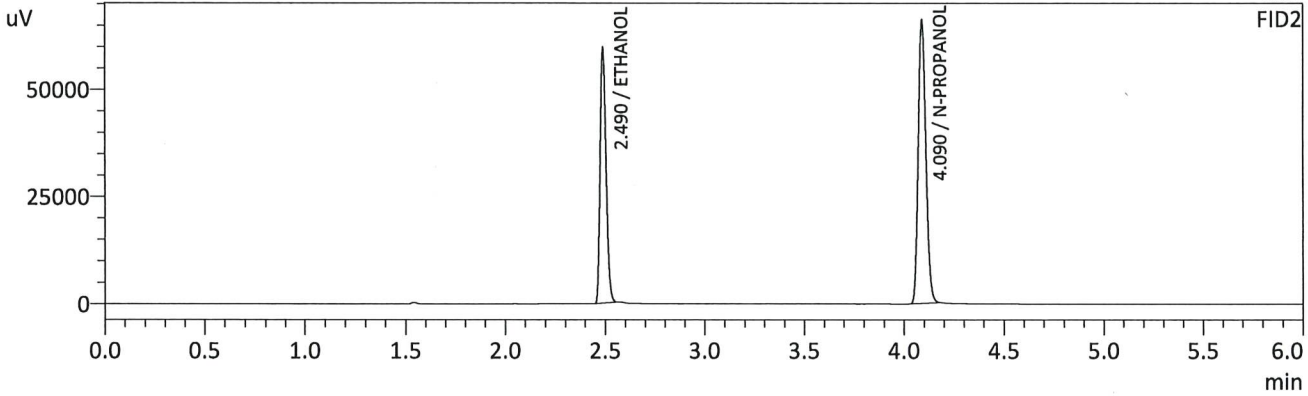
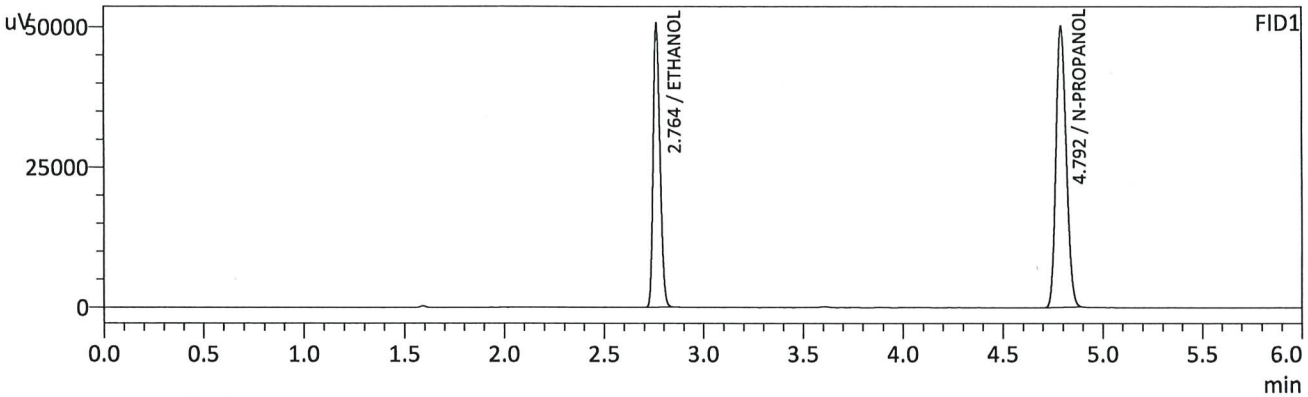
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	79993	33313
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176768	49760
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1983	g/100cc	79824	39059
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176770	66054
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_8272024_004.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:26:28 PM
 Date Processed : 8/28/2024 7:33:32 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

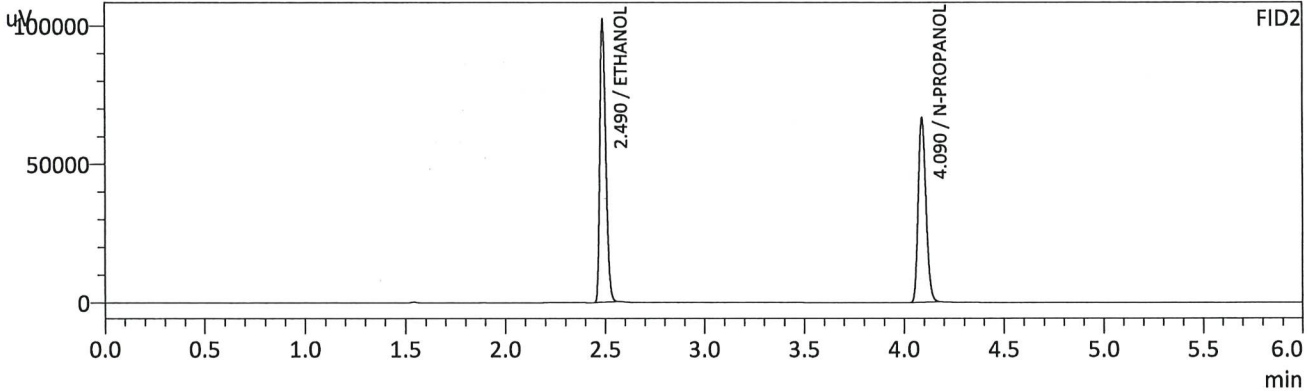
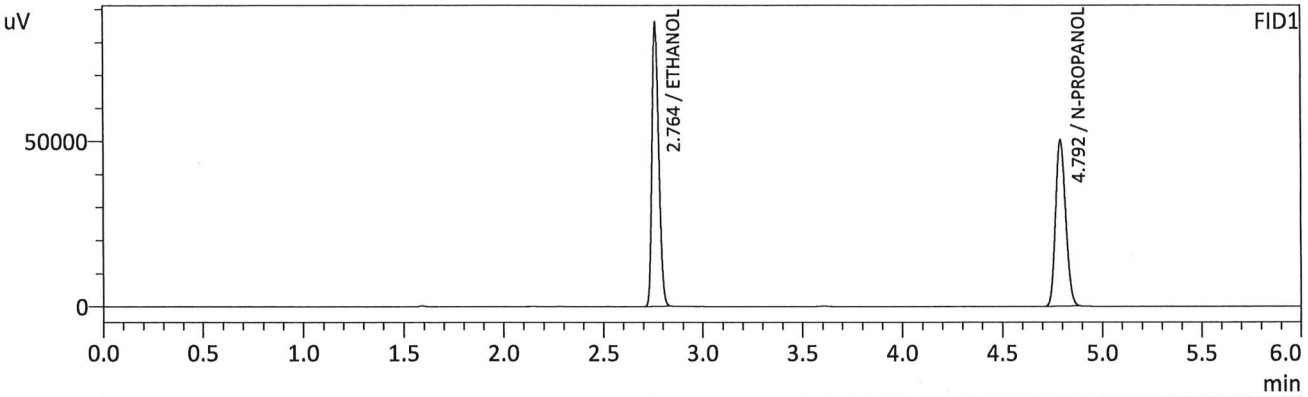
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2982	g/100cc	121037	50397
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177468	50066
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	121270	59493
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177361	66055
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CRC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_8272024_005.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:36:00 PM
 Date Processed : 8/27/2024 3:42:01 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

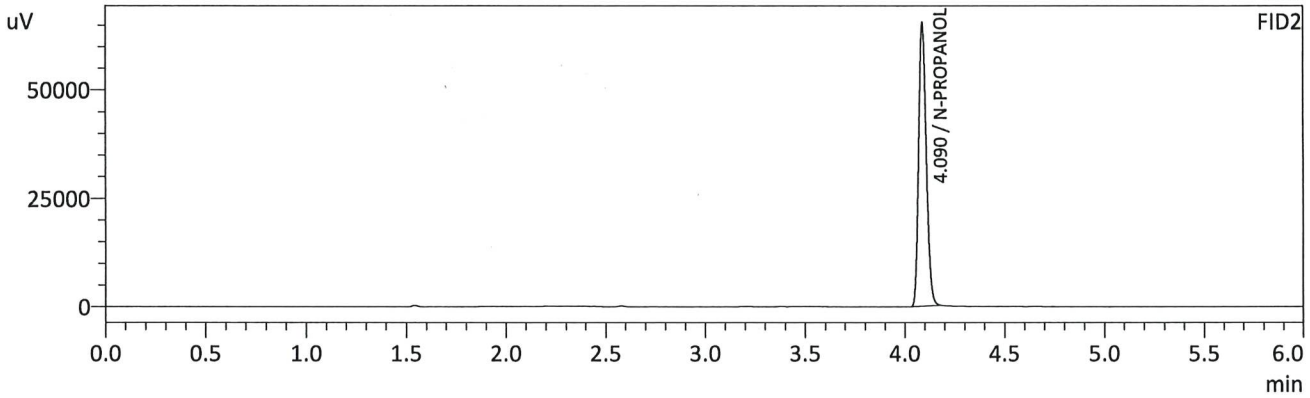
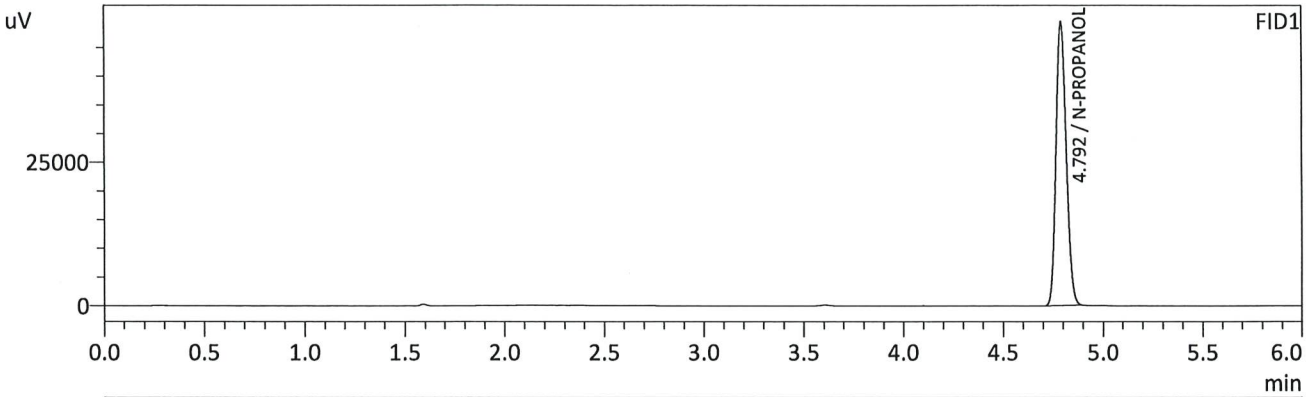
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	205219	85350
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178342	50199
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	206694	101849
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178273	66526
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_8272024_006.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:45:17 PM
 Date Processed : 8/27/2024 3:51:19 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

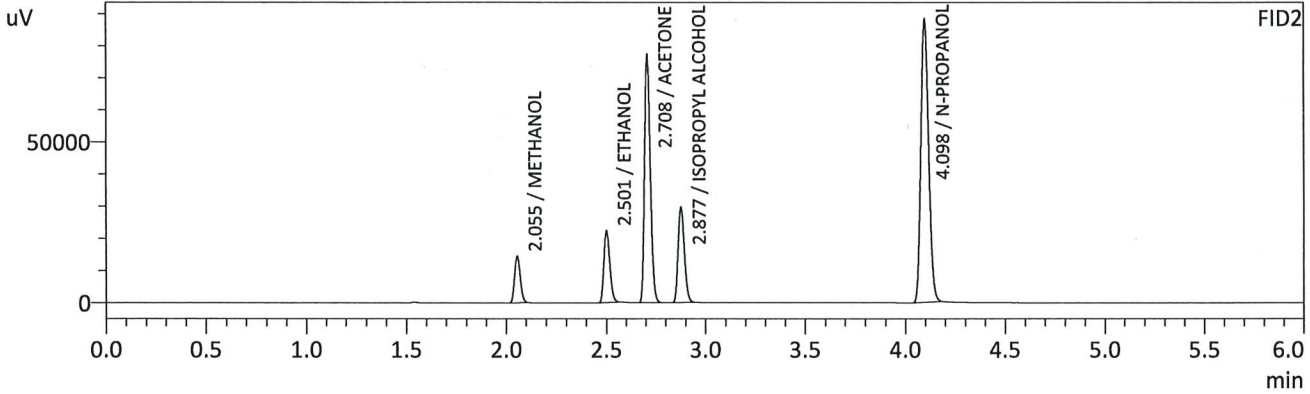
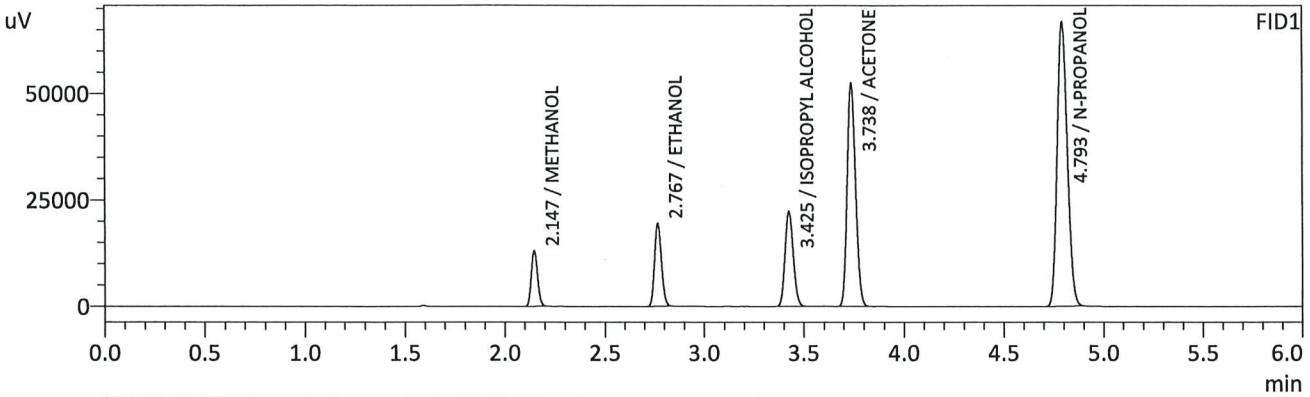
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174932	49277
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	174308	65366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_8272024_007.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 3:55:01 PM
 Date Processed : 8/27/2024 4:01:03 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

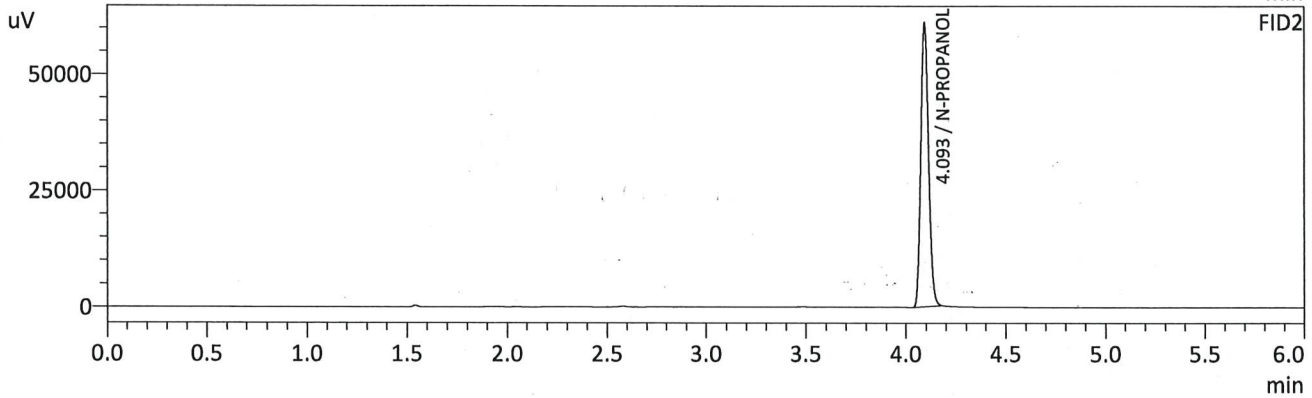
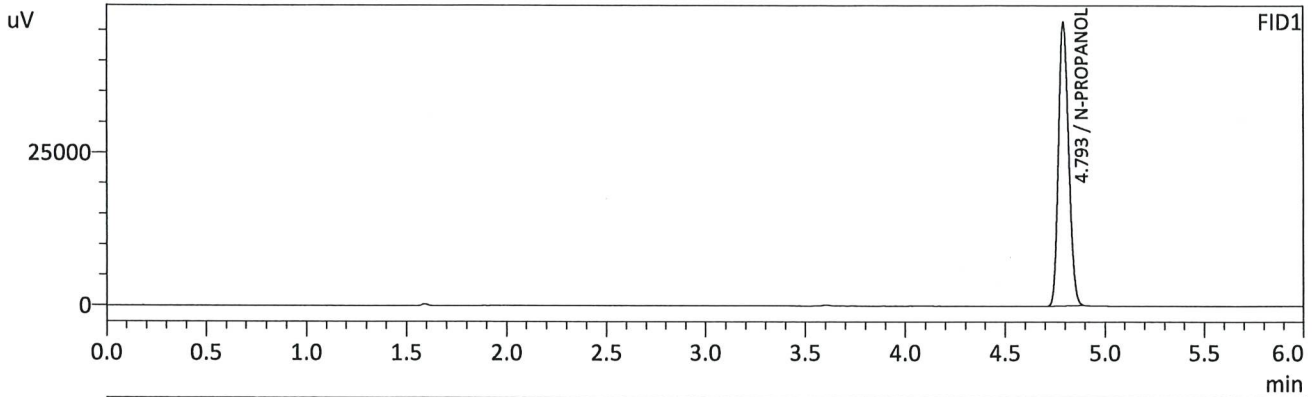
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	28163	12808
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0891	g/100cc	46676	19273
ISOPROPYL ALCOHOL	0.0000	g/100cc	62969	22112
ACETONE	0.0000	g/100cc	151939	52012
N-PROPANOL	0.0000	g/100cc	234301	66507
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	28965	14367
ETHANOL	0.0887	g/100cc	45807	22084
ACETONE	0.0000	g/100cc	157050	76501
ISOPROPYL ALCOHOL	0.0000	g/100cc	63603	29568
N-PROPANOL	0.0000	g/100cc	233689	87430
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_8272024_008.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 4:04:33 PM
 Date Processed : 8/27/2024 4:10:35 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	164098	46125
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	162732	60557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 8/27/2024 4:13:52 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0823	0.0820	0.0003	0.0821	0.0001	0.0822
(g/100cc)	0.0825	0.0820	0.0005	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_082724_RC.gcm

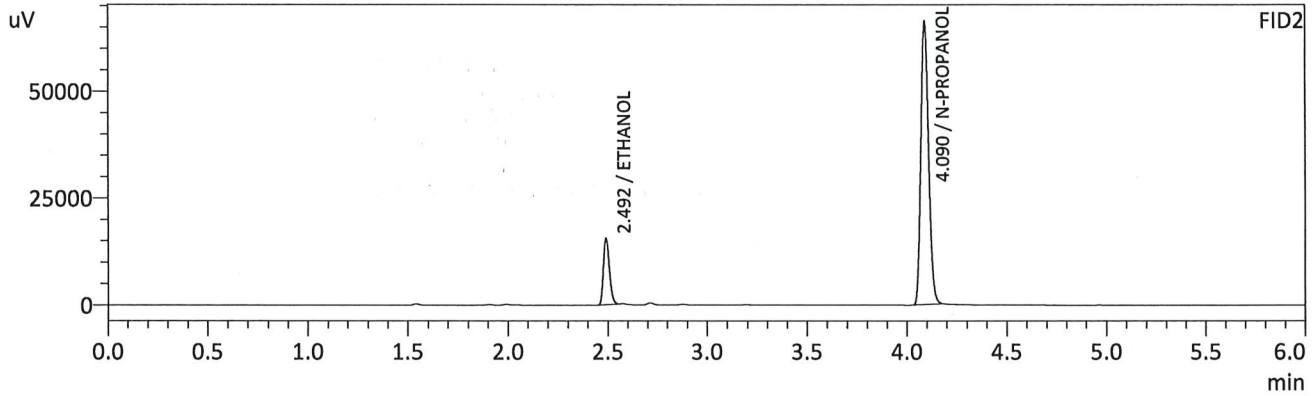
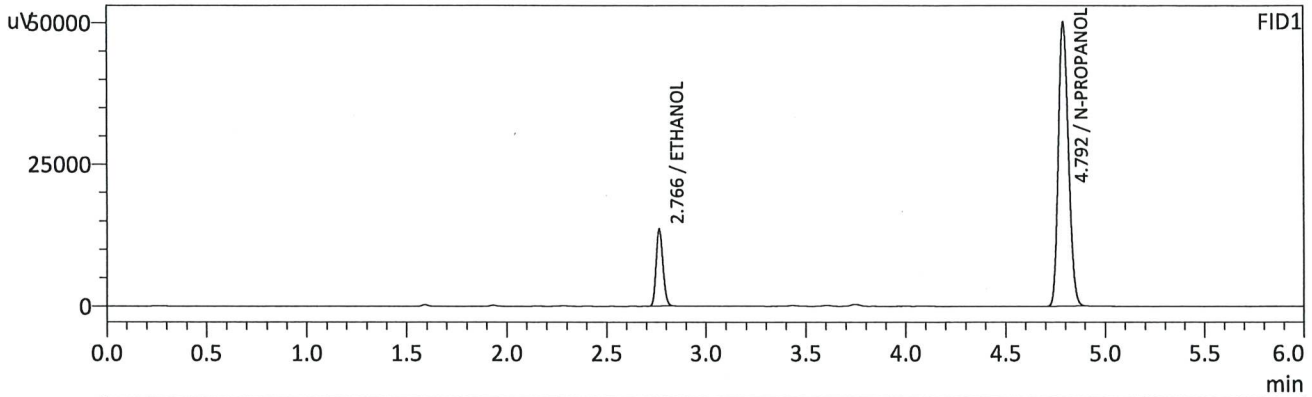
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

Reported Results	
0.082	

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_8272024_009.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 4:13:52 PM
 Date Processed : 8/27/2024 4:19:54 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

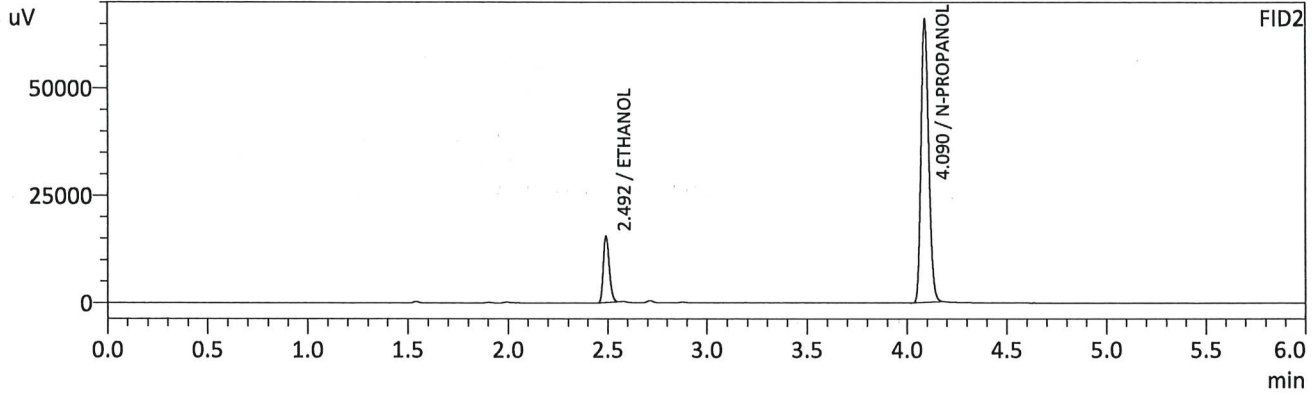
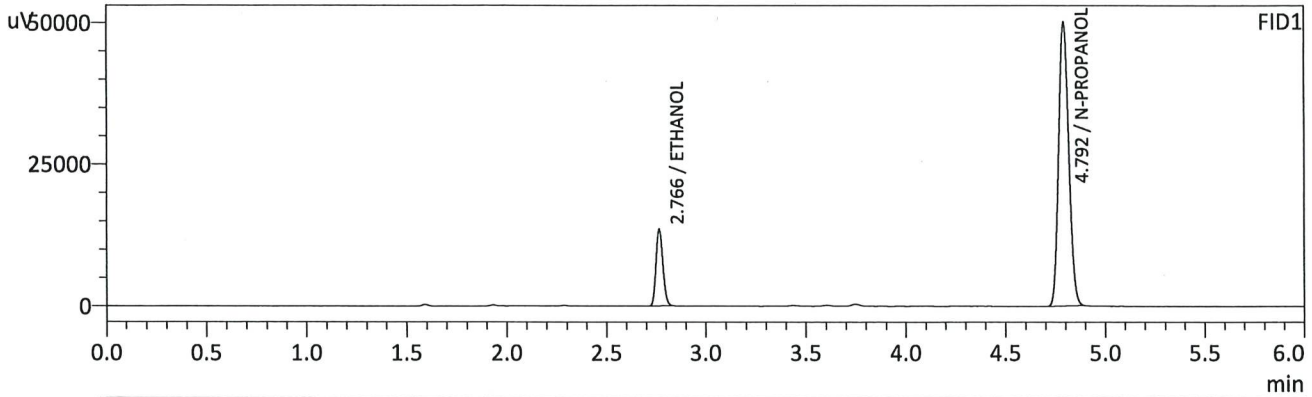
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	32676	13549
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178024	50034
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	31926	15352
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176915	66152
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_8272024_010.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 4:23:36 PM
 Date Processed : 8/27/2024 4:29:37 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	32631	13512
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177376	50002
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	31819	15286
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176484	65890
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 8/27/2024 4:33:08 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	0.0806	0.0002	0.0807	0.0002	0.0808
(g/100cc)	0.0812	0.0807	0.0005	0.0809		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_082724_RC.gcm

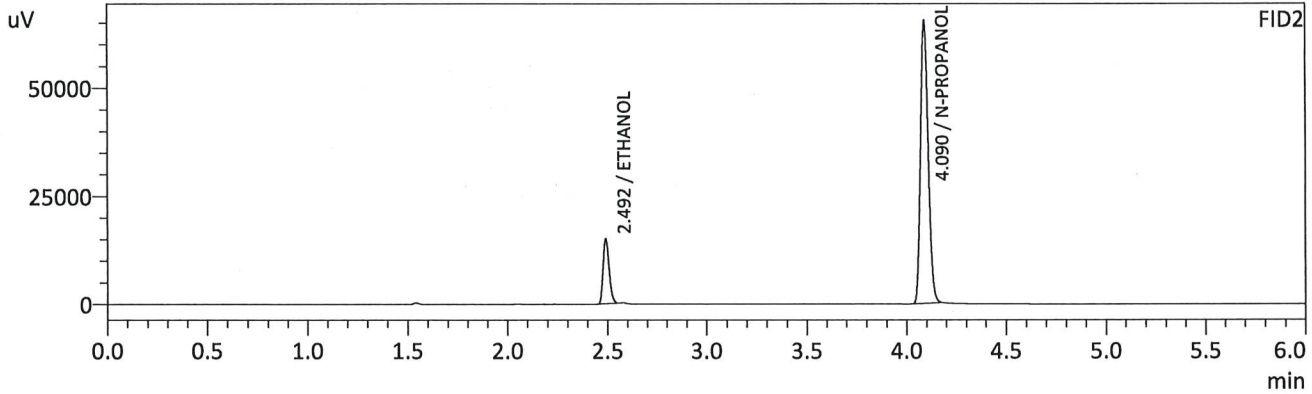
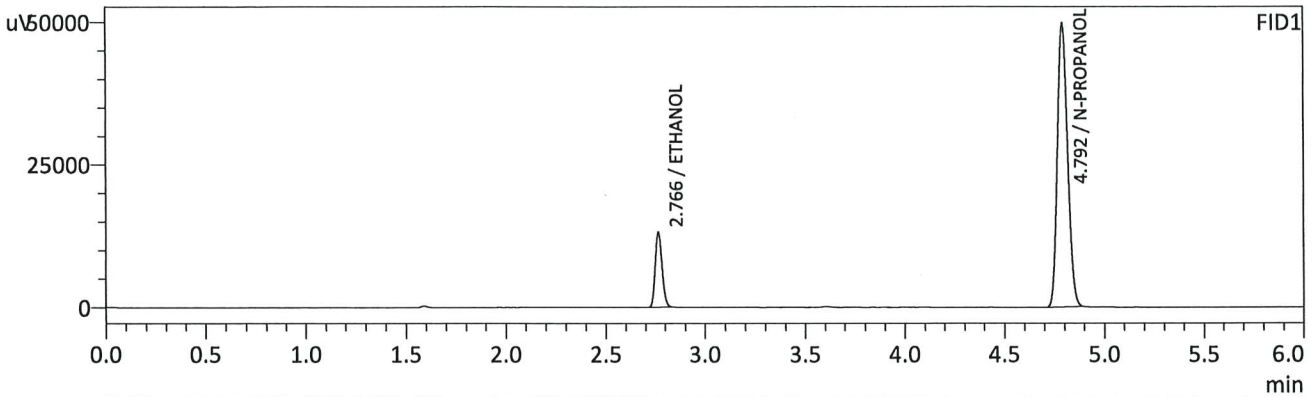
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_8272024_011.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 4:33:08 PM
 Date Processed : 8/27/2024 4:39:11 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

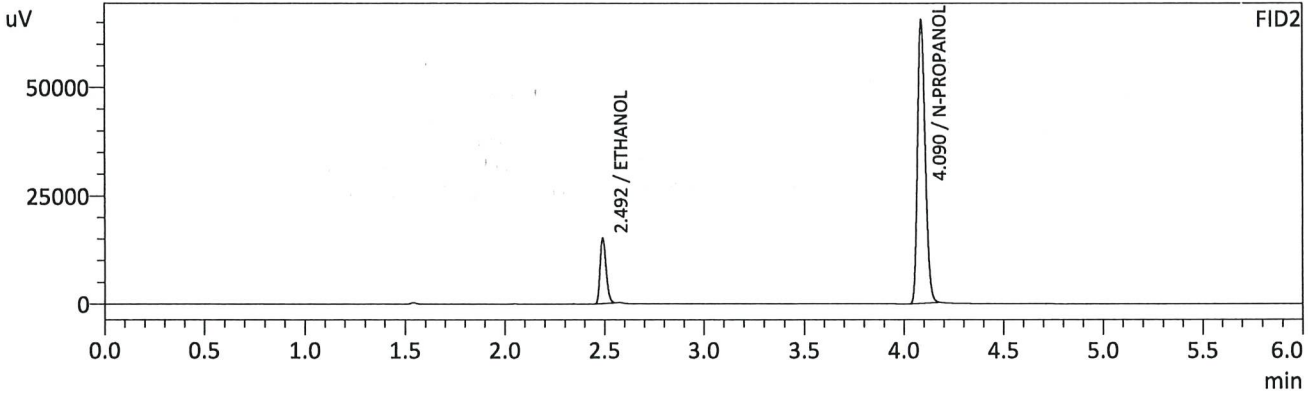
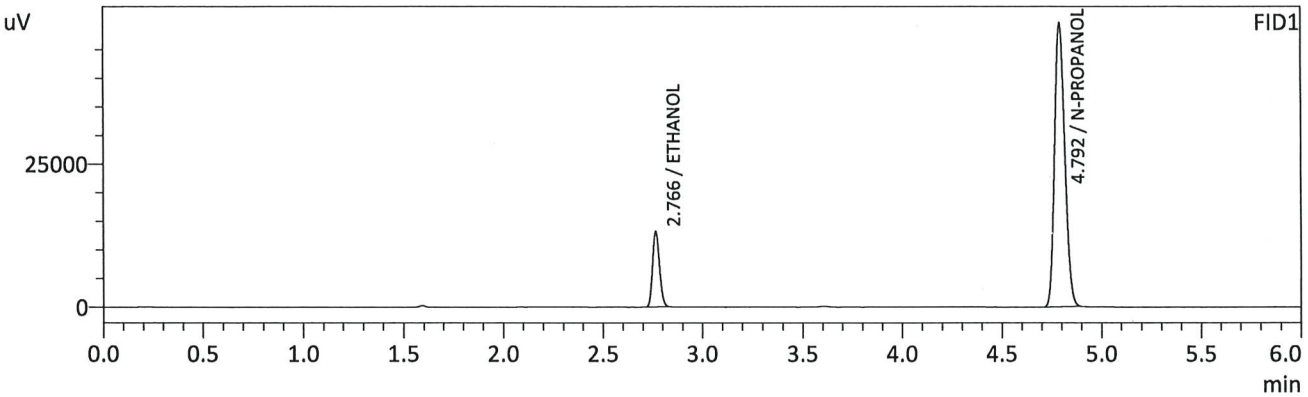
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	31622	13122
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175721	49602
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	30955	14878
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174876	65330
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_8272024_012.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 4:42:29 PM
 Date Processed : 8/27/2024 4:48:31 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	31772	13148
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175637	49513
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	30999	14837
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174769	65273
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

gc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 8/27/2024 7:43:33 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2103	0.2098	0.0005	0.2100	0.0017	0.2092
(g/100cc)	0.2087	0.2080	0.0007	0.2083		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_082724_RC.gcm

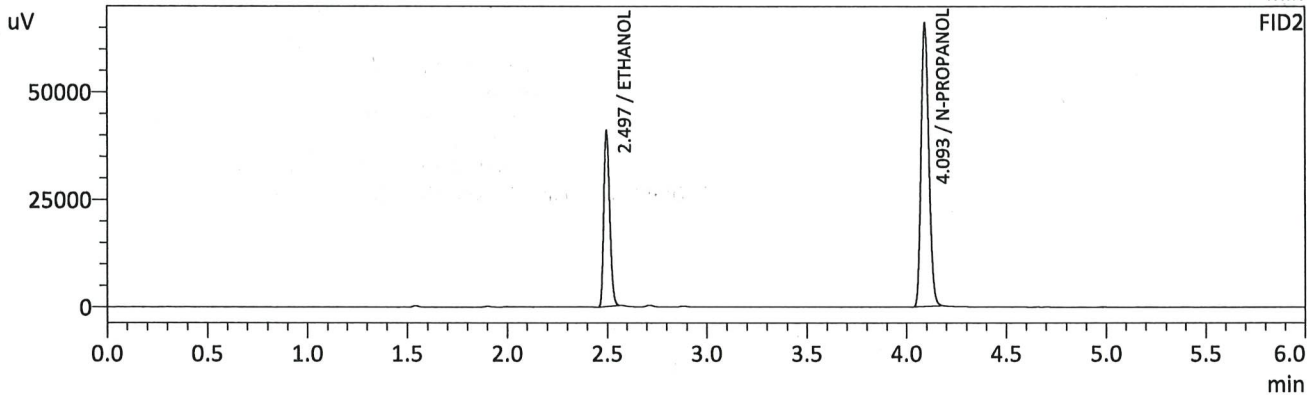
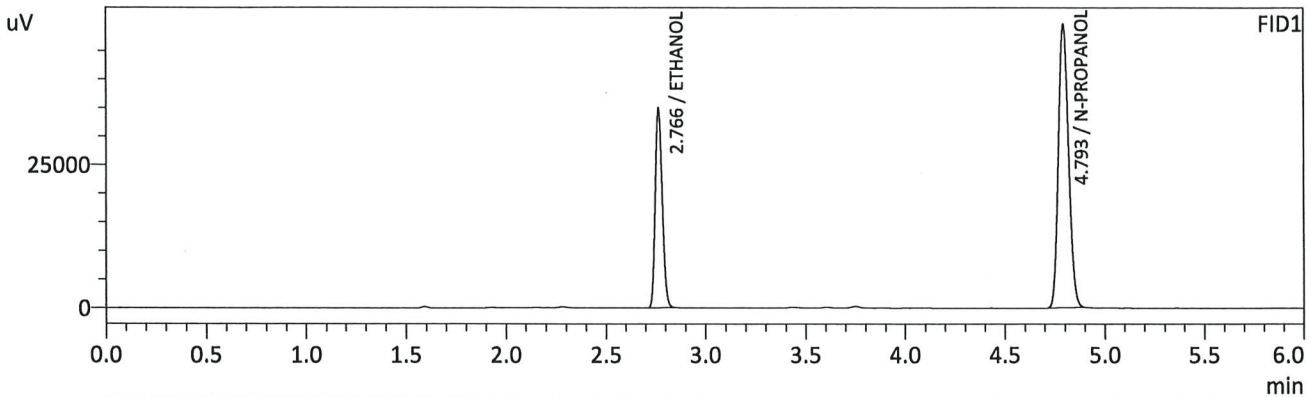
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

	Reported Results
	0.209

Calibration and control data are stored centrally.

RC

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_8272024_031.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 7:43:33 PM
 Date Processed : 8/27/2024 7:49:35 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

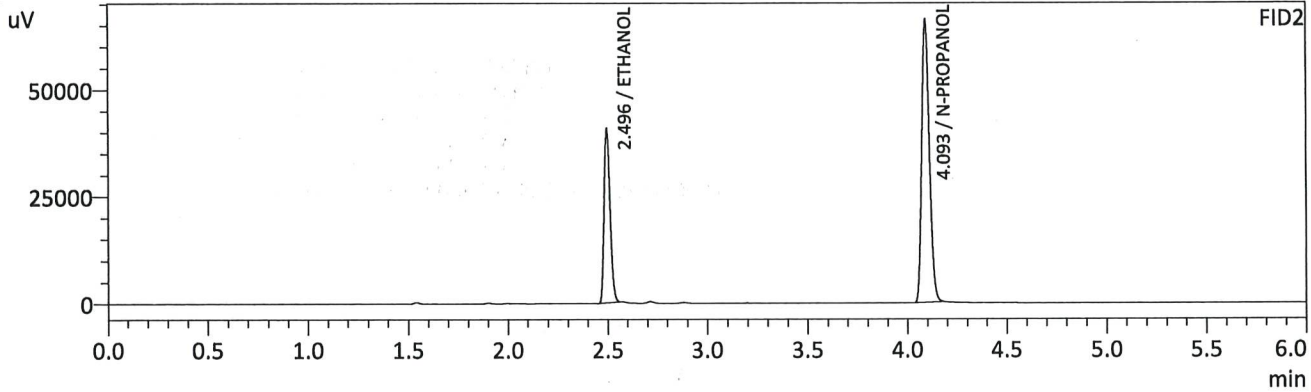
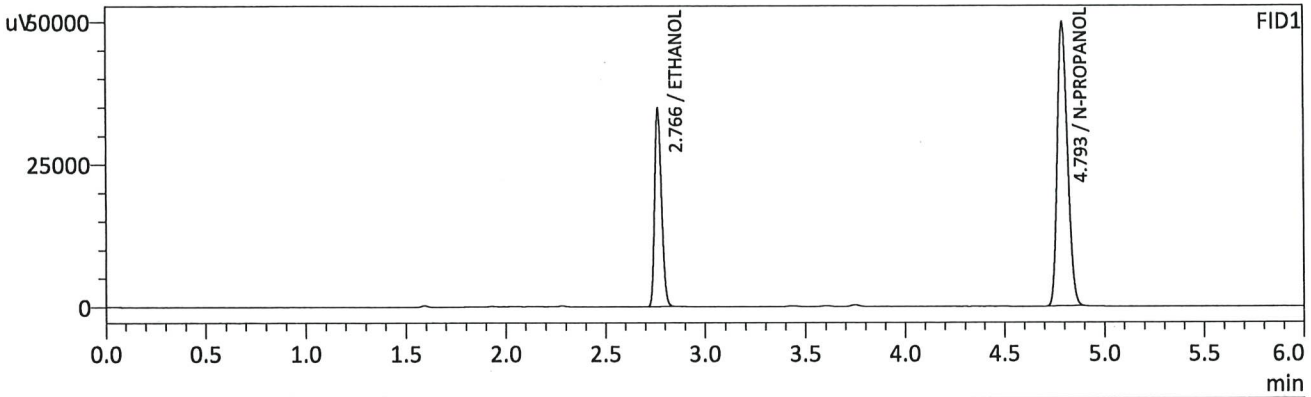
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2103	g/100cc	84294	34760
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176009	49395
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2098	g/100cc	84379	40368
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176318	65476
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_8272024_032.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 7:53:05 PM
 Date Processed : 8/27/2024 7:59:07 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2087	g/100cc	83976	34648
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176692	49585
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2080	g/100cc	83907	40365
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176927	65659
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			Analysis Date(s): 8/27/2024 11:13:02 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0896	0.0890	0.0006	0.0893	0.0004	0.0891
(g/100cc)	0.0892	0.0886	0.0006	0.0889		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

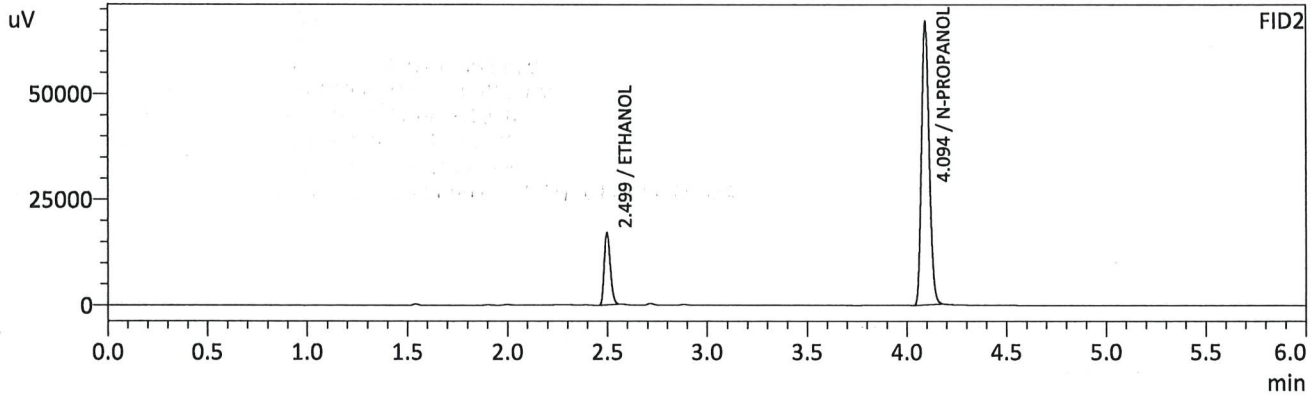
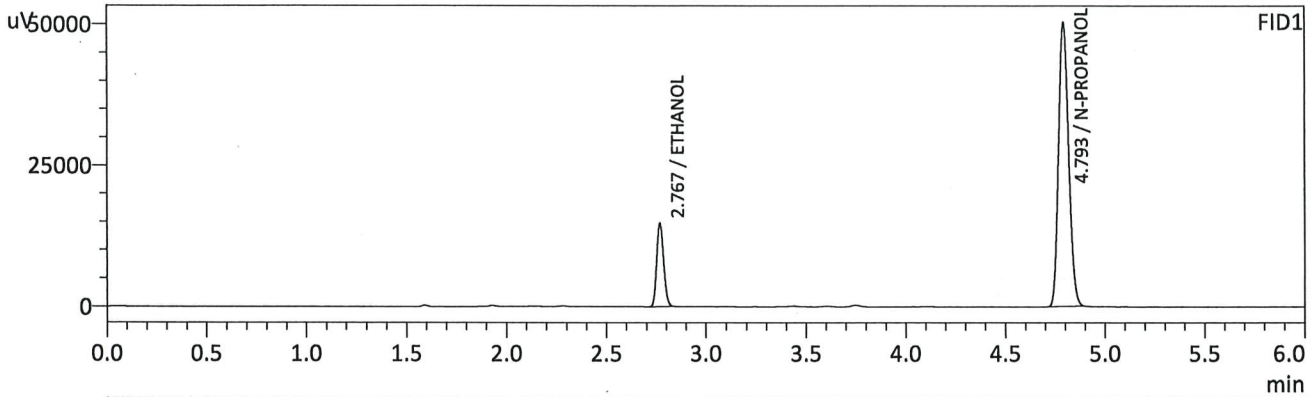
Refer To Instrument Method: ALCOHOL_082724_RC.gcm

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 # : 53
 Data Filename : QC1-2_8272024_053.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 11:13:02 PM
 Date Processed : 8/27/2024 11:19:02 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

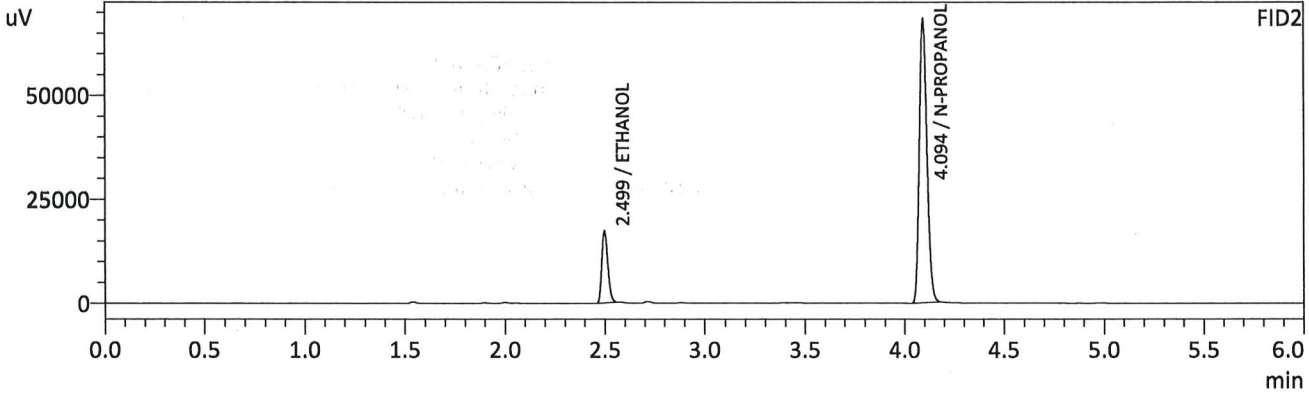
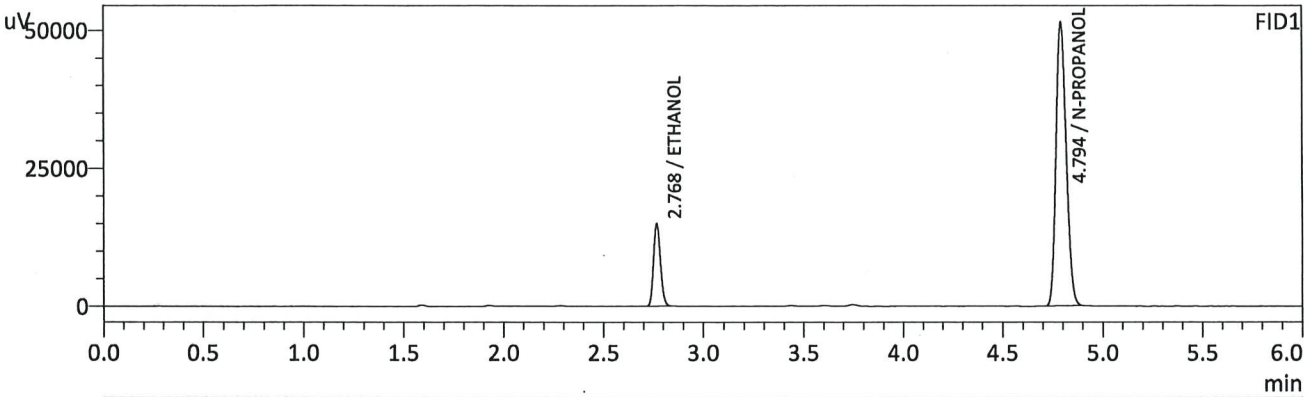
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0896	g/100cc	35795	14600
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178723	50138
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0890	g/100cc	35292	16964
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179469	66608
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_8272024_054.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 11:22:18 PM
 Date Processed : 8/27/2024 11:28:20 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

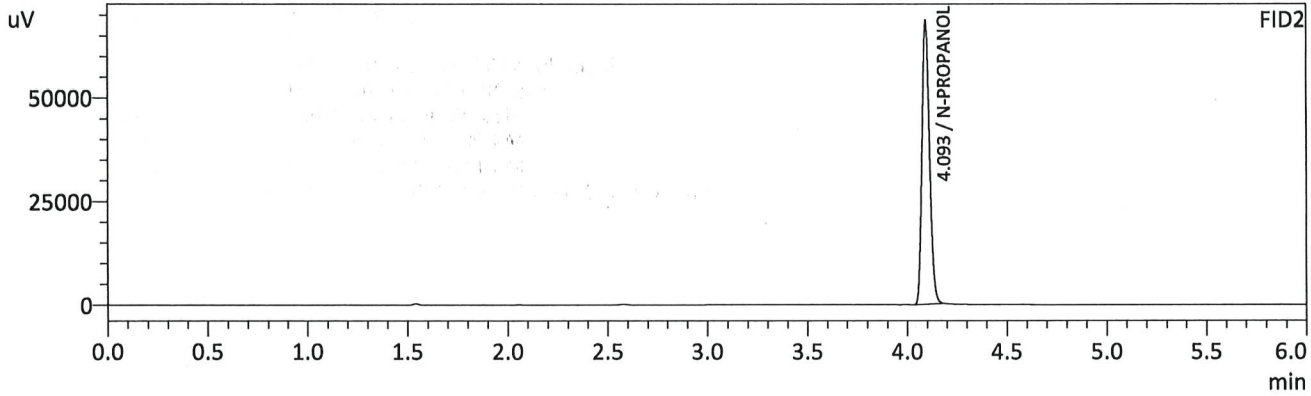
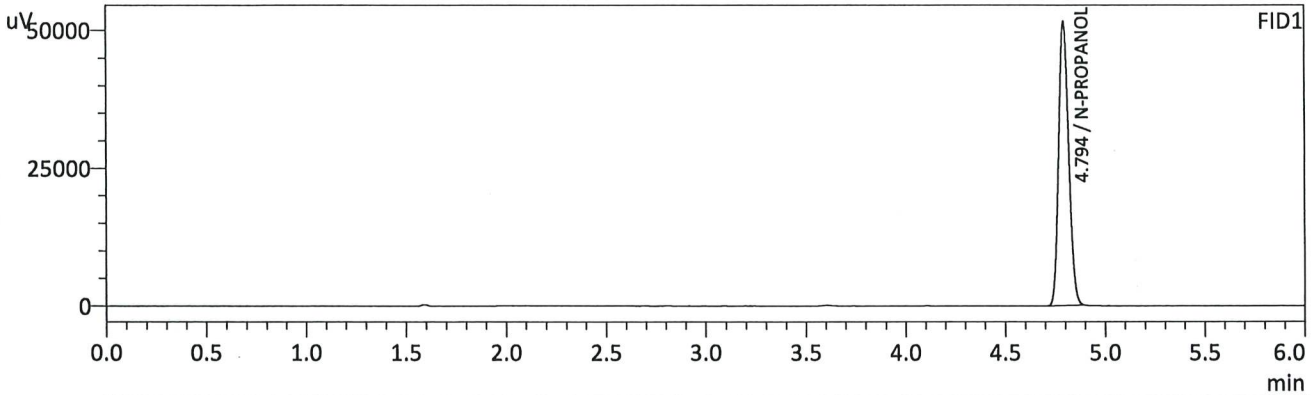
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0892	g/100cc	36260	14756
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181837	51239
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0886	g/100cc	35755	17168
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182598	67933
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_8272024_055.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 11:32:09 PM
 Date Processed : 8/27/2024 11:38:11 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

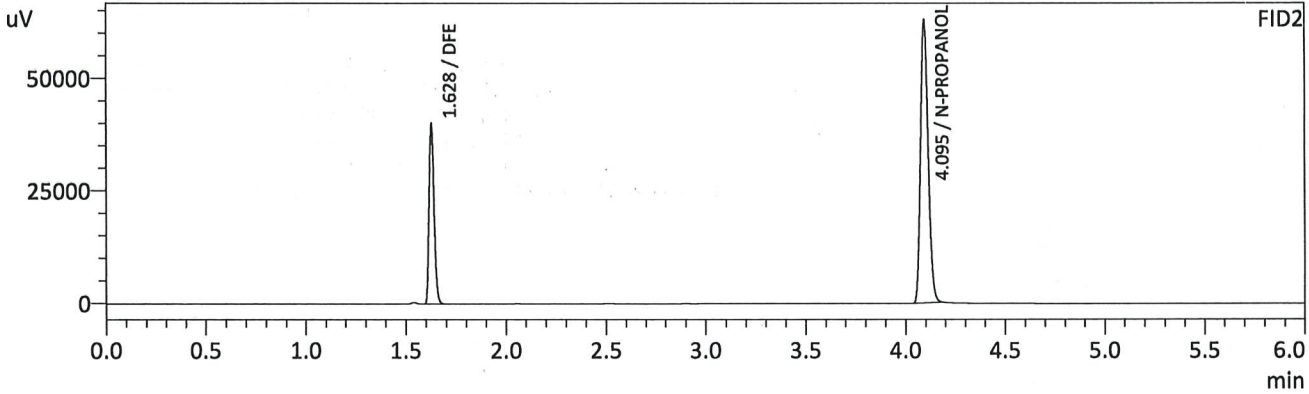
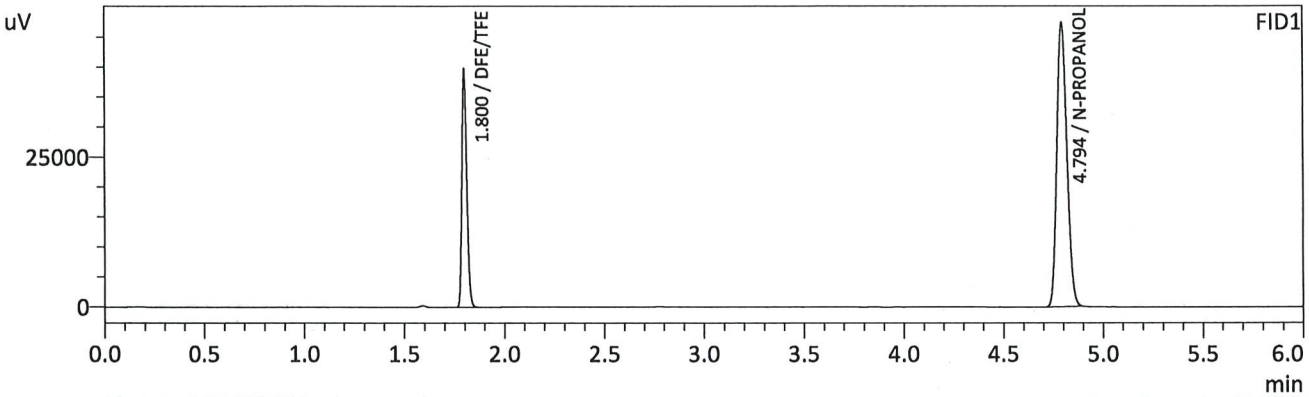
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181869	51376
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	182573	68097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE
 Vial # : 56
 Data Filename : DFE_8272024_056.gcd
 Method Filename : ALCOHOL_082724_RC.gcm
 Batch Filename : BATCH_082724_RC.gcb
 Date Acquired : 8/27/2024 11:41:33 PM
 Date Processed : 8/27/2024 11:47:35 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	167332	47308
DFE/TFE	0.0000	g/100cc	66982	39531
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	167582	62807
DFE	0.0000	g/100cc	67602	39672
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	0.050	1:Standard:(R)	ALCOHOL_082724_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_082724_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_082724_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_082724_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_082724_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_082724_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_082724_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_082724_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_082724_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_082724_RC.gcm		0
13	P2024-2595-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
14	P2024-2595-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
15	P2024-2596-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
16	P2024-2596-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
17	P2024-2597-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
18	P2024-2597-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
19	P2024-2598-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
20	P2024-2598-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
21	P2024-2599-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
22	P2024-2599-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
23	P2024-2604-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
24	P2024-2604-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
25	P2024-2605-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
26	P2024-2605-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
27	P2024-2608-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
28	P2024-2608-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
29	P2024-2614-2	0:Unknown	ALCOHOL_082724_RC.gcm		0
30	P2024-2614-2-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
33	P2024-2620-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
34	P2024-2620-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
35	P2024-2624-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
36	P2024-2624-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
37	P2024-2625-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
38	P2024-2625-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
39	P2024-2626-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
40	P2024-2626-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
41	P2024-2627-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
42	P2024-2627-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
43	P2024-2649-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
44	P2024-2649-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
45	P2024-2650-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
46	P2024-2650-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
47	P2024-2653-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
48	P2024-2653-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
49	P2024-2667-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
50	P2024-2667-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
51	P2024-2672-1	0:Unknown	ALCOHOL_082724_RC.gcm		0
52	P2024-2672-1-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_082724_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_082724_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_082724_RC.gcm		0
56	DFE	0:Unknown	ALCOHOL_082724_RC.gcm		0