Worklist: 6890

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
P2024-2245	1	BCK	Alcohol Analysis	
P2024-2259	1	BCK	Alcohol Analysis	
P2024-2269	1	BCK	Alcohol Analysis	
→ P2024-2288	1	BCK	Alcohol Analysis	
P2024-2290	1	BCK	Alcohol Analysis	
→ P2024-2301	1	BCK	Alcohol Analysis	
P2024-2311	1	BCK	Alcohol Analysis	
P2024-2317	1	BCK	Alcohol Analysis	
P2024-2319	1	BCK	Alcohol Analysis	
P2024-2326	1	BCK	Alcohol Analysis	
P2024-2335	1	BCK	Alcohol Analysis	
P2024-2335	2	BCK	Alcohol Analysis	
P2024-2342	1	BCK	Alcohol Analysis	
P2024-2384	1	BCK	Alcohol Analysis	
P2024-2396	1	BCK	Alcohol Analysis	
P2024-2398	1	BCK	Alcohol Analysis	
P2024-2399	1	BCK	Alcohol Analysis	
P2024-2400	1	BCK	Alcohol Analysis	
P2024-2401	1	BCK	Alcohol Analysis	
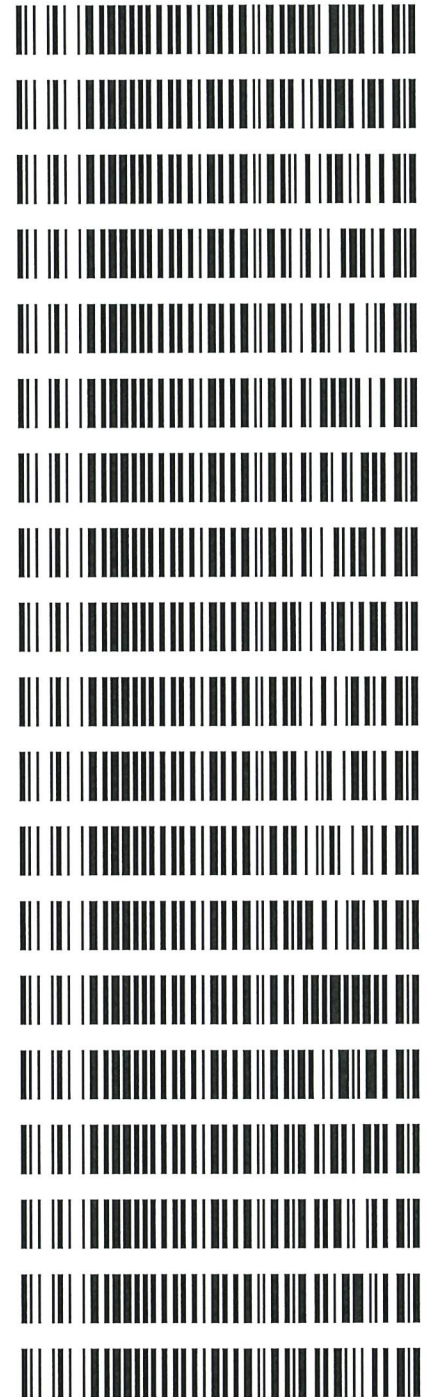
→ Both cases reanalyzed, new samples with next batch.

RC 8/7/24

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Run Date(s): 08/06/2024

Calibration Date: *(if different):*

Worklist #: 6890

Volatiles Quality Assurance Controls

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0883 g/100cc / 0.0901 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2079 g/100cc

Multi-Component mixture: **Exp:** 2024 October **Lot #** FN0641902 OK

Curve Fit:	Column 1	Column2
	0.99993	0.99989

Ethanol Calibration Reference Material

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

Aqueous Controls

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

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6890	Run Date(s):	08/06/2024

Internal Standard Solution:		Prep Date:	7/11/2024	Exp Date:	1/11/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	190751	190325
0.080	184352	183747
QC1	188843	188256
QC1	189778	189222
QC1	203445	205605
QC1	202511	204462
QC1		
QC1		
QC2	188812	190034
QC2	188274	189468
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	192095.8	153676.6	230514.9
Column 2	192639.9	154111.9	231167.9

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

<<Data File>>
Method File   :Default Project - ALCOHOL_080624_RC.gcm
Batch File   :Default Project - BATCH_080624_RC.gcb
Date Acquired   :8/6/2024 3:17:47 PM
Date Created   :8/6/2024 3:14:17 PM
Date Modified   :8/7/2024 9:32:43 AM
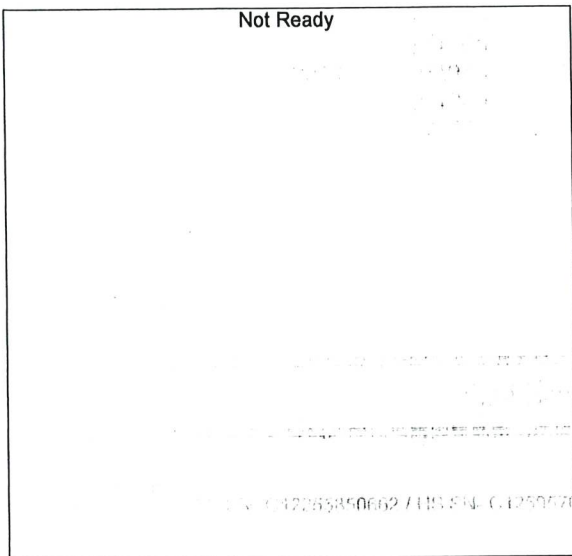
Not Ready

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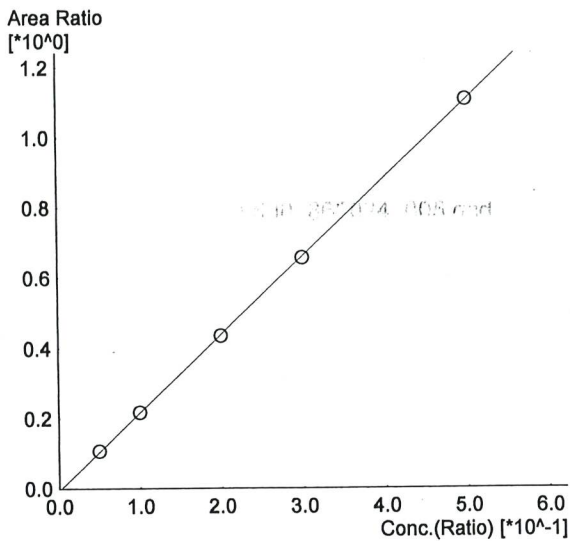Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

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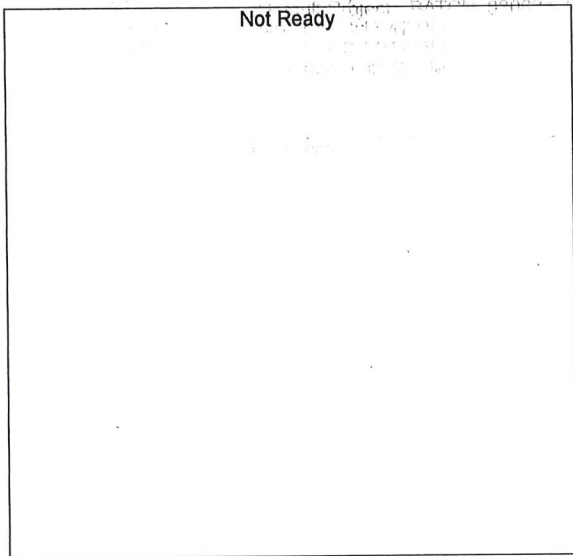
Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
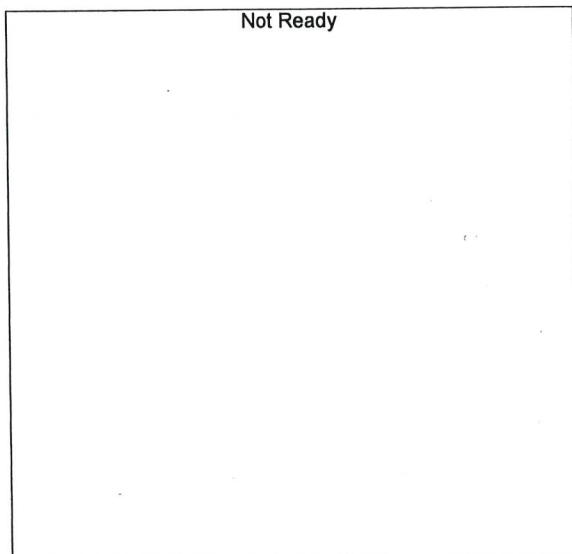FitType: Linear
ZeroThrough: Not Through

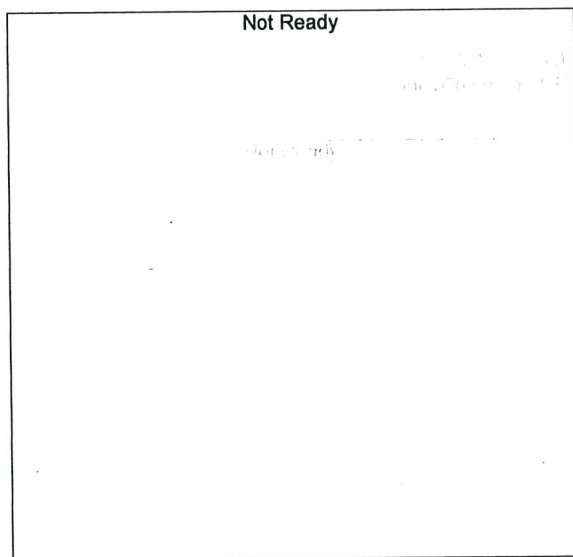| #	Conc.	Area	Std. Conc.	Data File Name

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

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

Not Ready

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

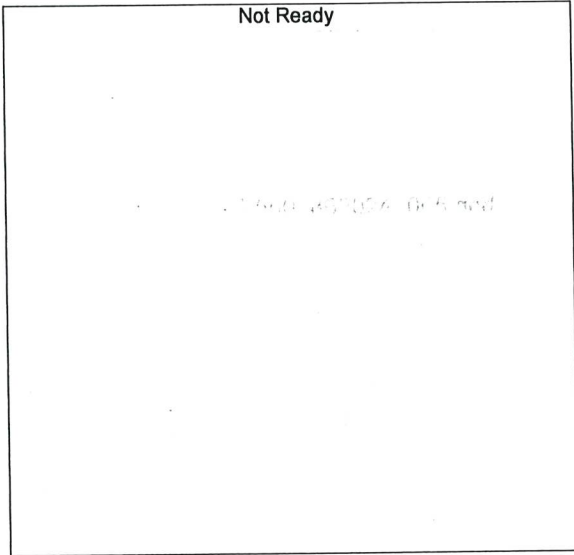| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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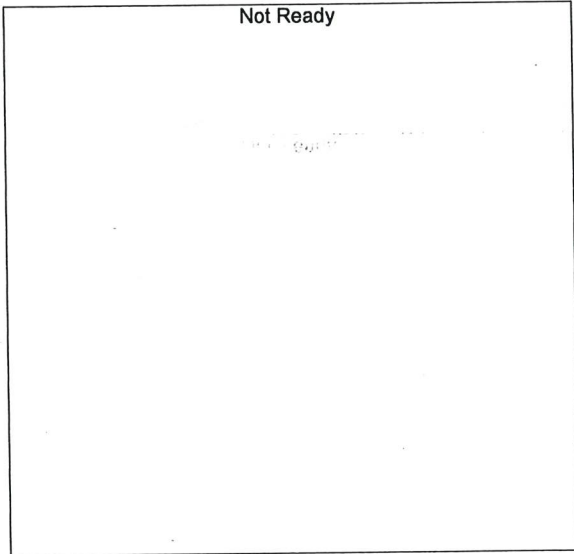FitType: Linear
ZeroThrough: Not Through

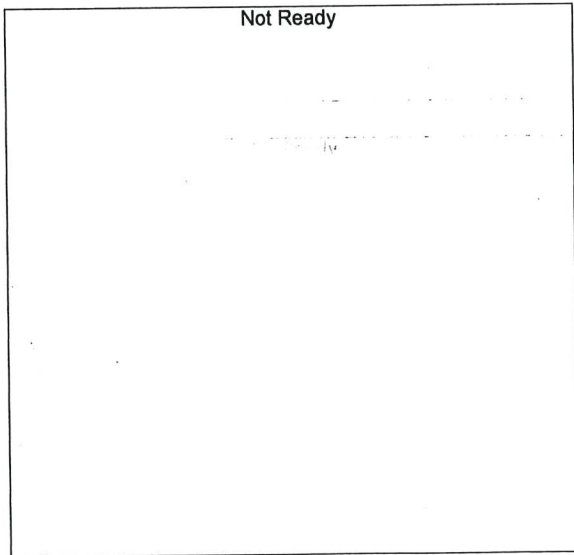| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

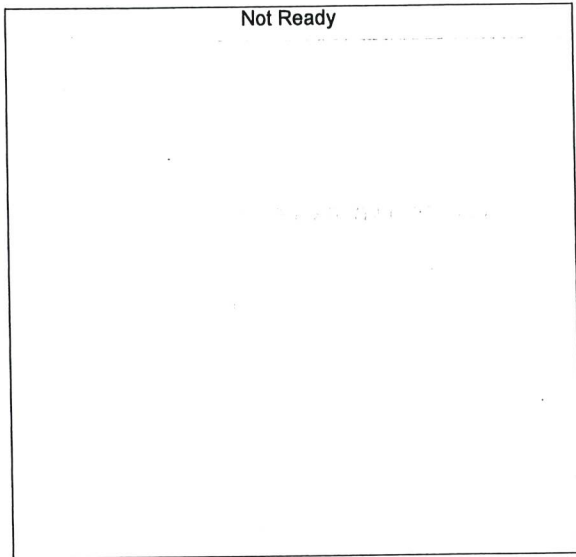| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

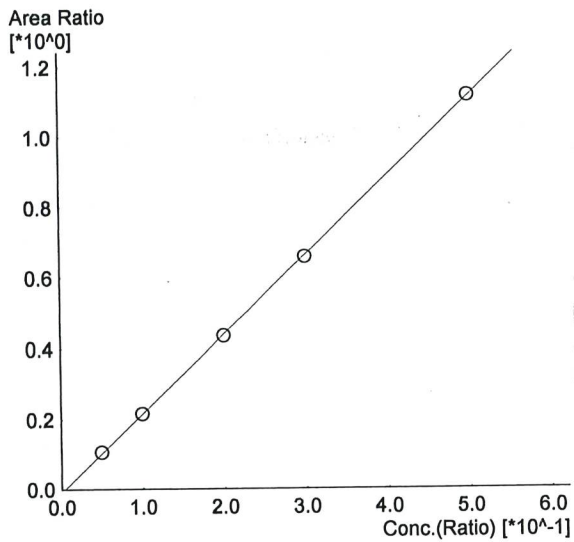| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

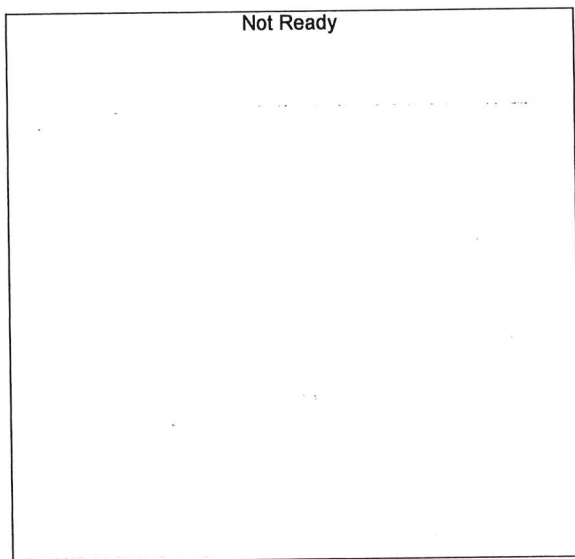| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

Name : METHANOL
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

Area Ratio
[*10^0]

Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.24520*x-0.0104086
R^2 value= 0.9998972
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20210	0.0517	0.050_862024_001.gcd
2	0.100	41134	0.1003	0.100_862024_002.gcd
3	0.200	84180	0.1982	0.200_862024_003.gcd
4	0.300	127560	0.2979	0.300_862024_004.gcd
5	0.500	216905	0.5016	0.500_862024_005.gcd

Not Ready

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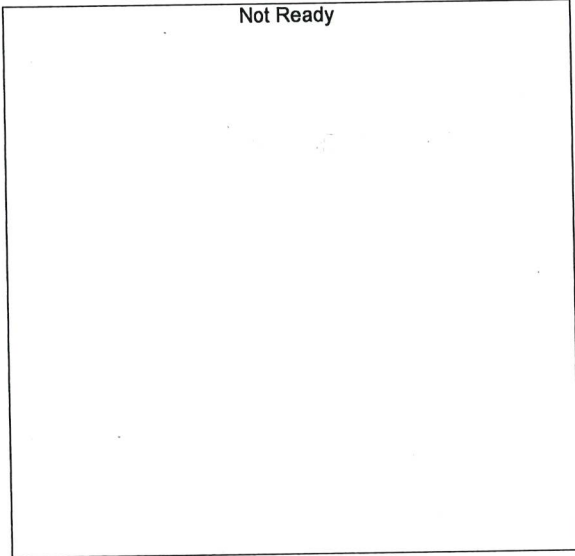ZeroThrough: Not Through

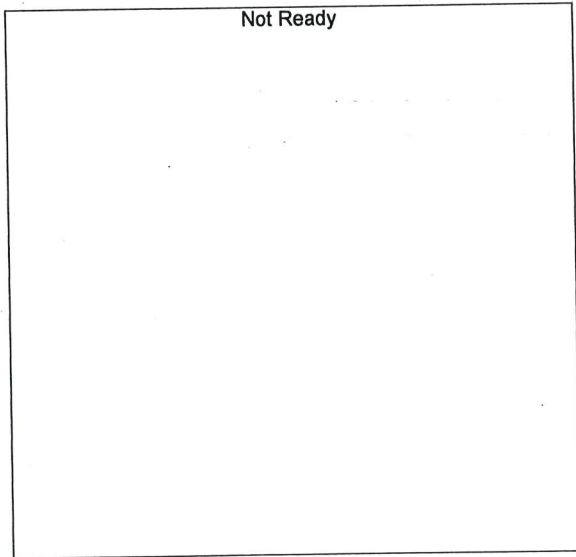| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

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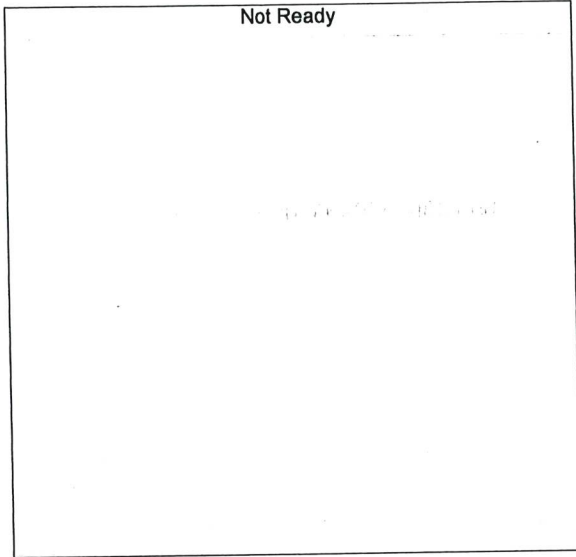
Name : DFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_862024_001.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 2:39:39 PM
Date Processed   : 8/7/2024 9:32:27 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
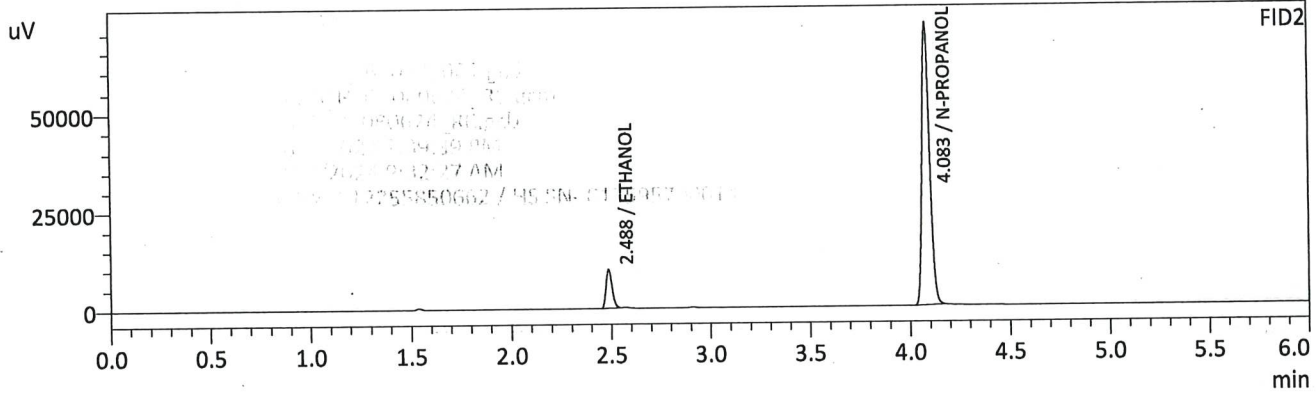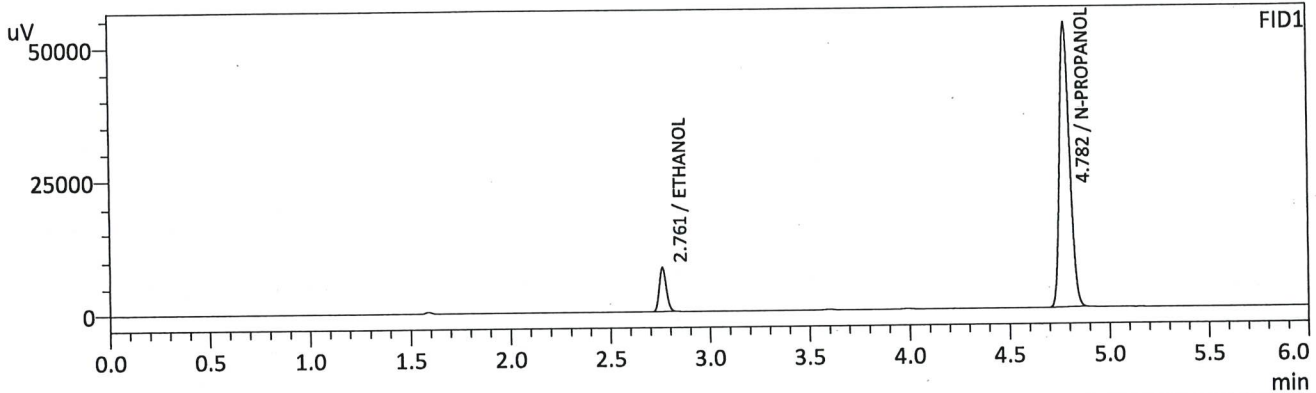
FID1

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

FID2

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

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_862024_002.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 2:49:09 PM
Date Processed   : 8/7/2024 9:32:31 AM
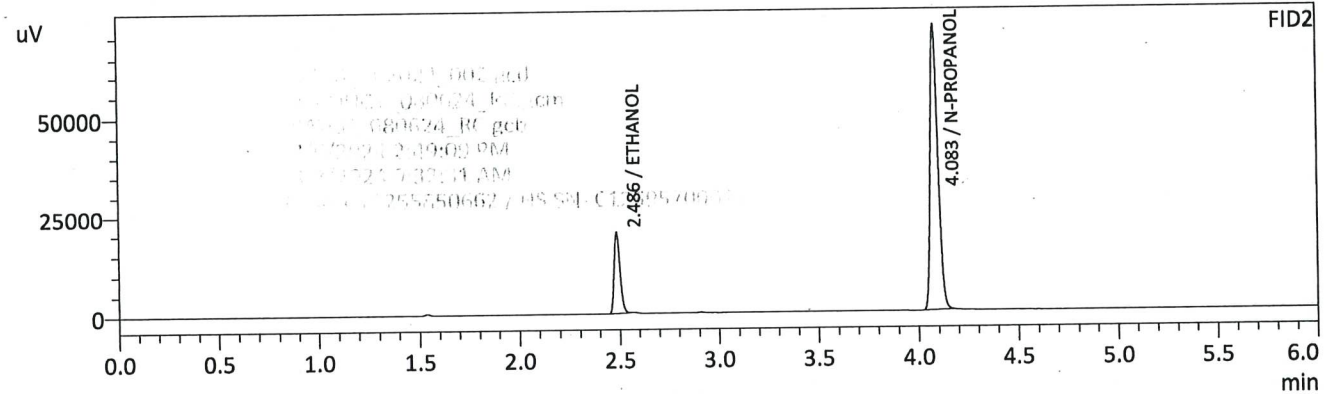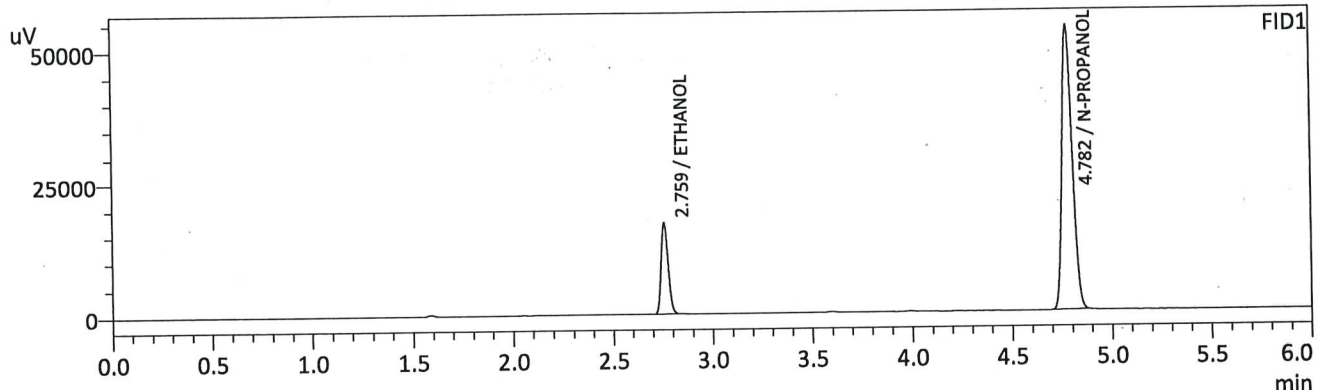Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

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

FID2

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

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_862024_003.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 2:58:30 PM
Date Processed   : 8/7/2024 9:32:35 AM
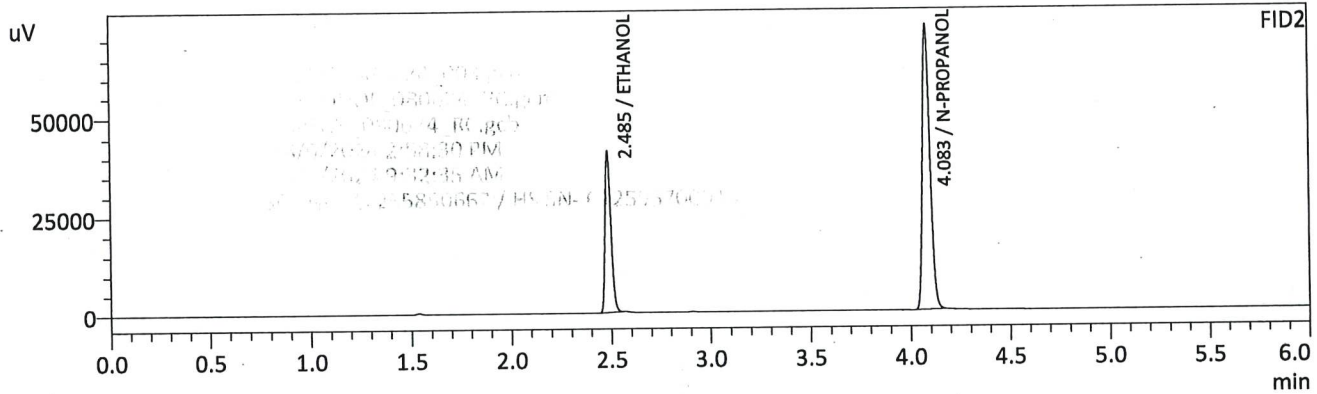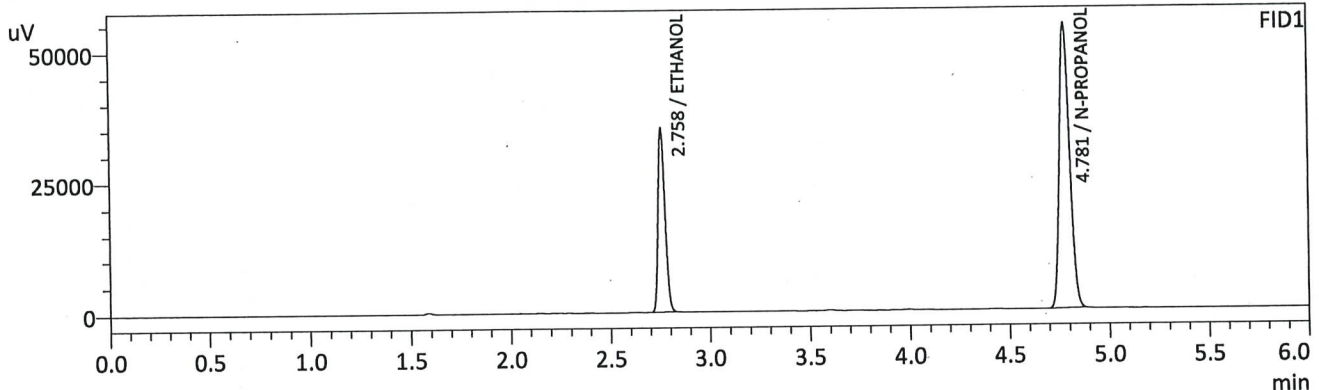Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

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

FID2

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

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_862024_004.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 3:08:14 PM
Date Processed   : 8/7/2024 9:32:39 AM
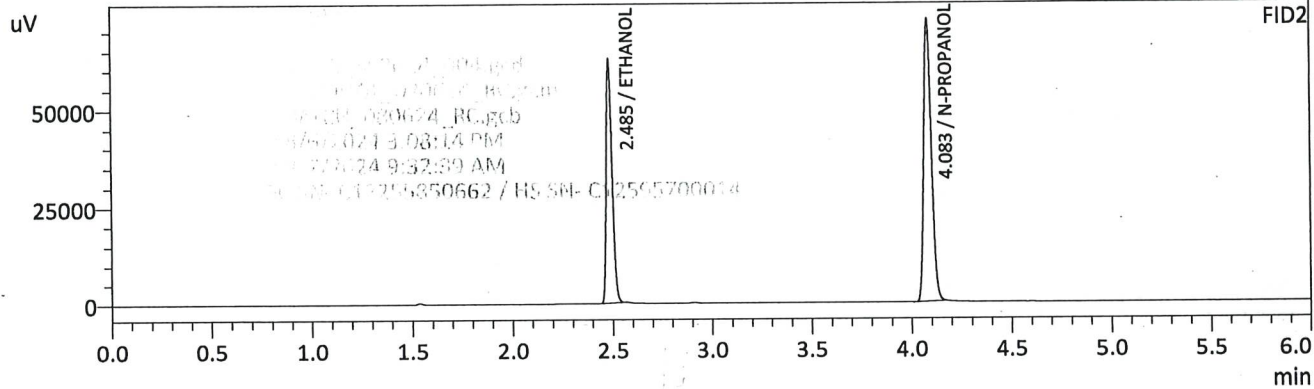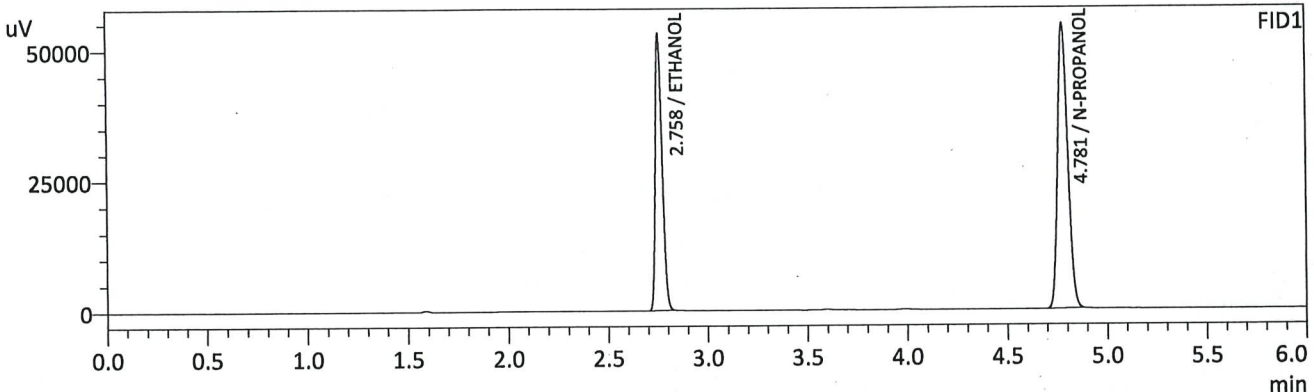Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

2.758 / ETHANOL
4.781 / N-PROPANOL

FID2

2.485 / ETHANOL
4.083 / N-PROPANOL

FID1

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

FID2

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

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_862024_005.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 3:17:47 PM
Date Processed   : 8/7/2024 9:32:43 AM
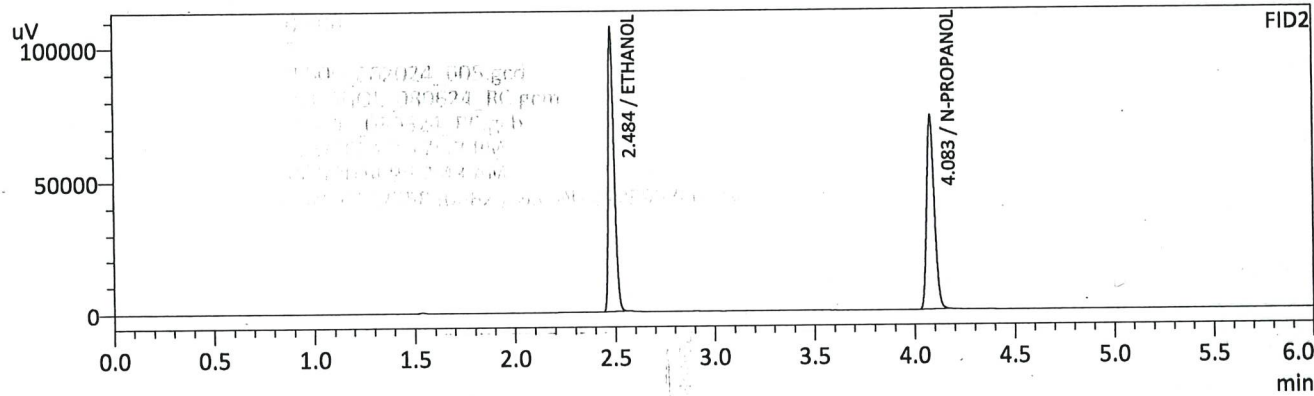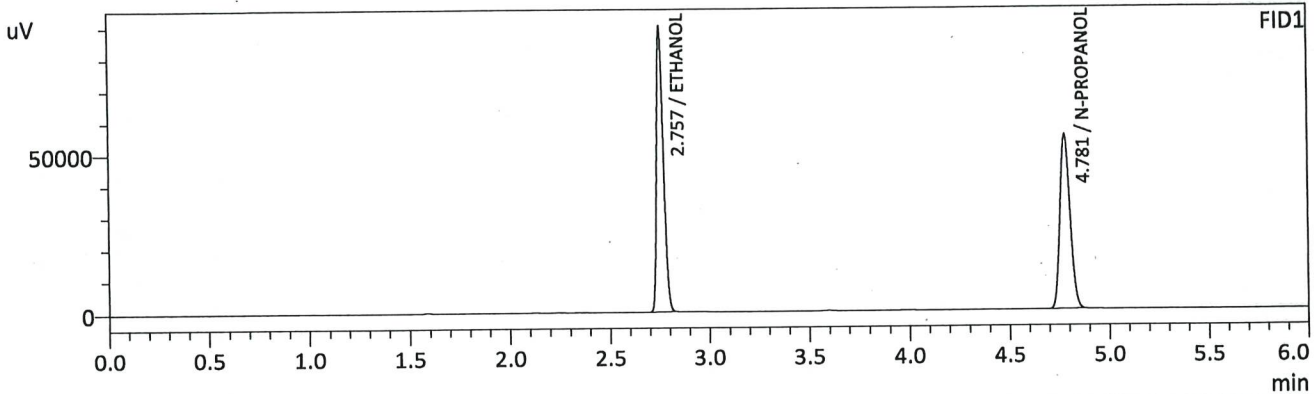Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

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

FID2

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

Sample Name   : INT STD BLK 1
Vial #   : 6
Data Filename   : INT STD BLK 1_862024_006.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 3:27:06 PM
Date Processed   : 8/7/2024 9:32:49 AM
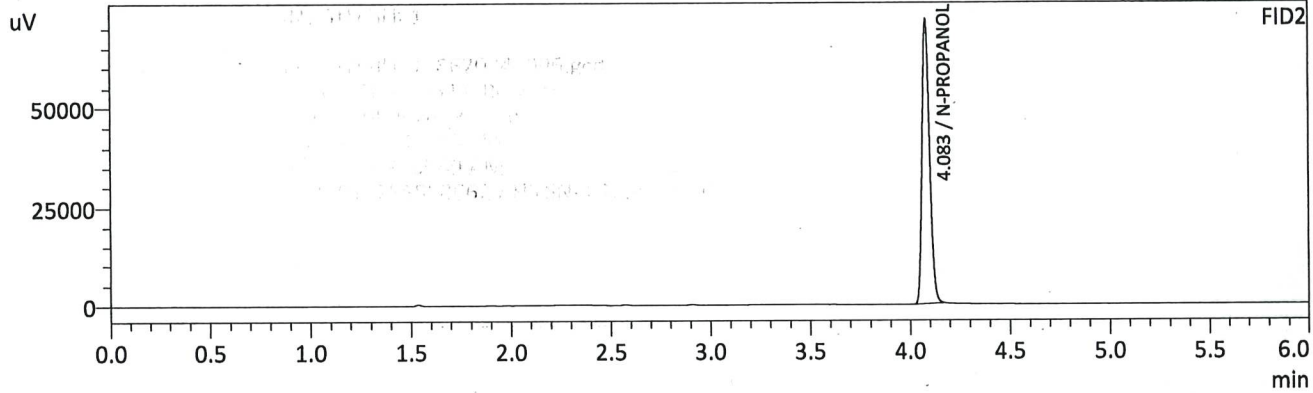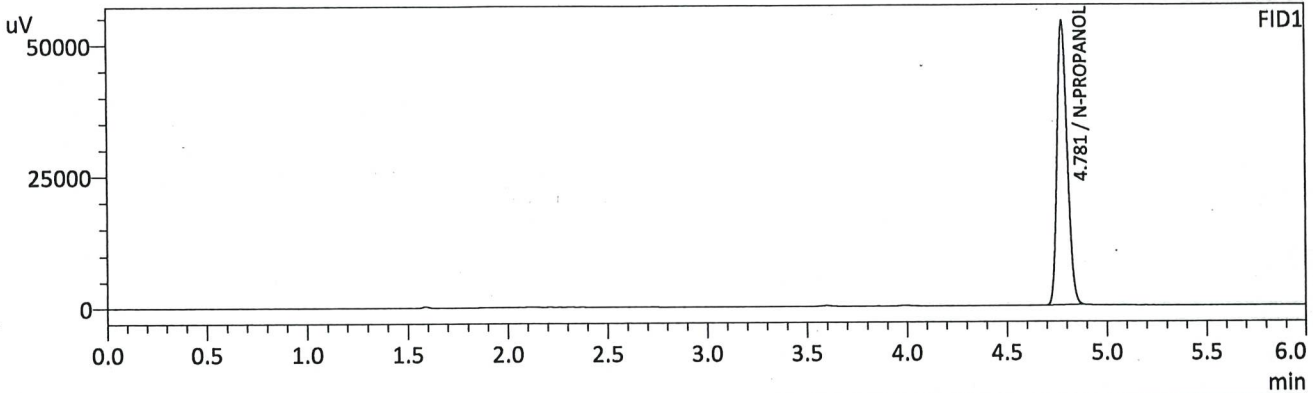Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191023	53975
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	191546	71607
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_862024_007.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename : BATCH_080624_RC.gcb
Date Acquired : 8/6/2024 3:36:50 PM
Date Processed : 8/7/2024 9:32:53 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014

Cl added some MeOH as it was weak. RC 8/7/24
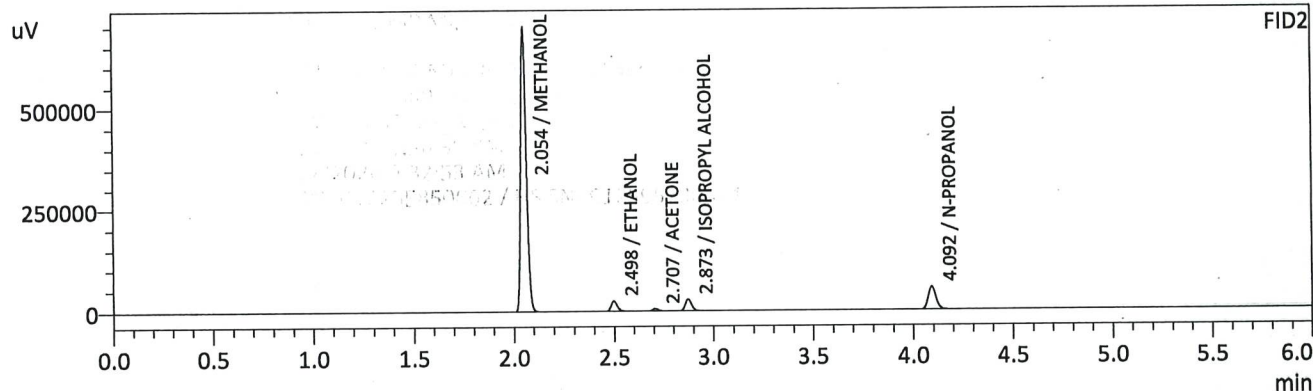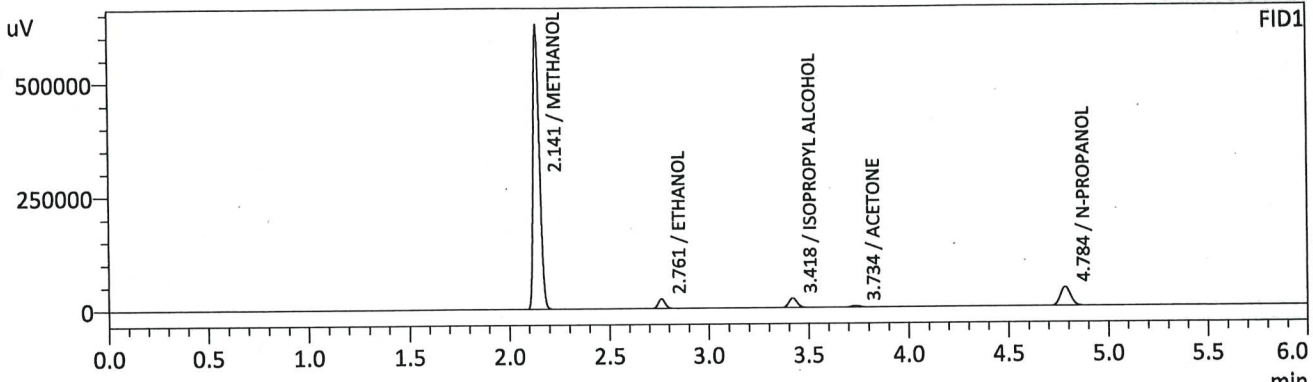
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1358235	622653
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1567	g/100cc	48947	20275
ISOPROPYL ALCOHOL	0.0000	g/100cc	57497	20230
ACETONE	0.0000	g/100cc	9181	3219
N-PROPANOL	0.0000	g/100cc	143224	40510
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	1395577	688502
ETHANOL	0.1572	g/100cc	48584	23368
ACETONE	0.0000	g/100cc	9794	4706
ISOPROPYL ALCOHOL	0.0000	g/100cc	58443	27161
N-PROPANOL	0.0000	g/100cc	141811	53143
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 2
Vial # : 8
Data Filename : INT STD BLK 2_862024_008.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename : BATCH_080624_RC.gcb
Date Acquired : 8/6/2024 3:46:21 PM
Date Processed : 8/7/2024 9:32:56 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014
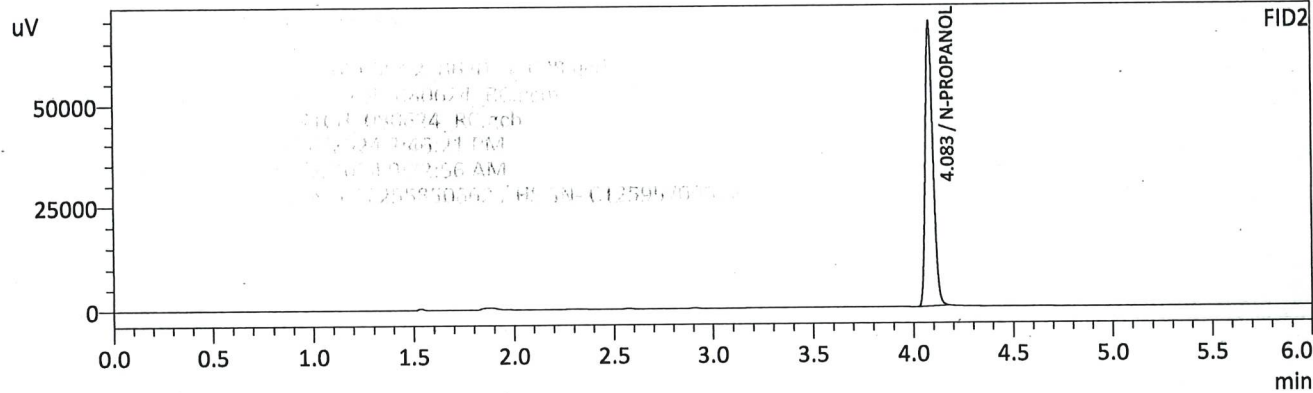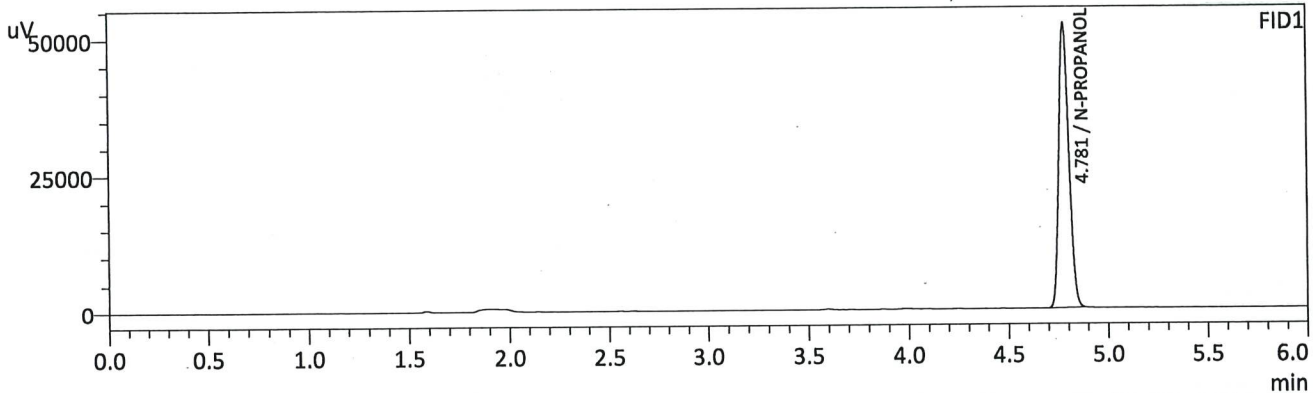
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184297	52096
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	184038	68657
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1 **Analysis Date(s):** 8/6/2024 3:55:39 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0894	0.0888	0.0006	0.0891	0.0015	0.0883
(g/100cc)	0.0880	0.0872	0.0008	0.0876		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080624_RC.gcm

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

	Reported Results	
	0.088	

Calibration and control data are stored centrally.

Sample Name   : QC1-1
Vial #   : 9
Data Filename   : QC1-1_862024_009.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 3:55:39 PM
Date Processed   : 8/7/2024 9:33:00 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
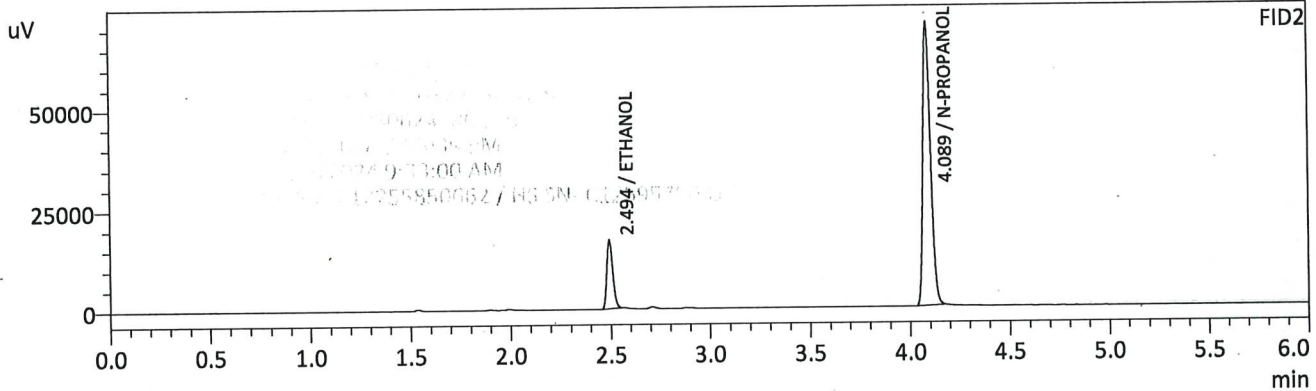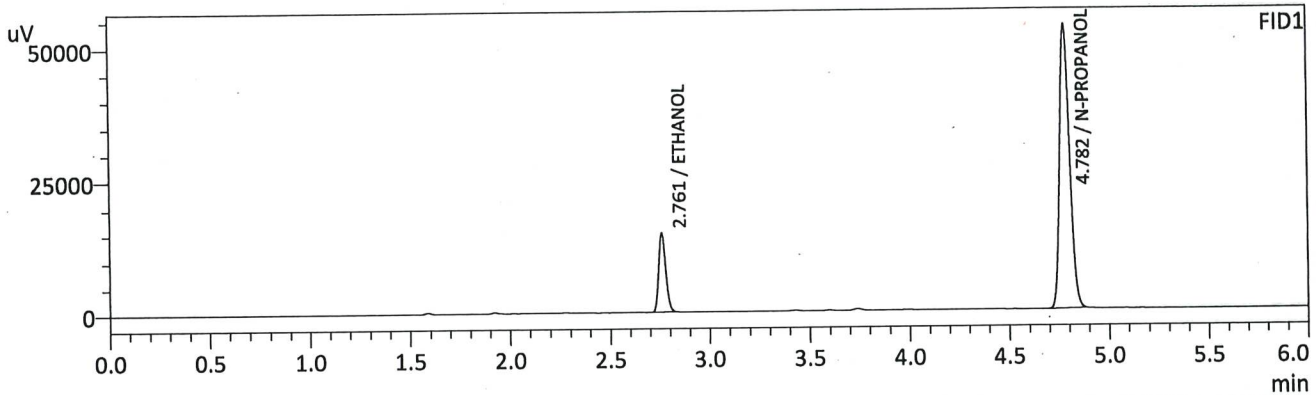
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0894	g/100cc	36307	14927
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188843	53331
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	35598	17101
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188256	70319
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 10
Data Filename   : QC1-1-B_862024_010.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 4:05:23 PM
Date Processed   : 8/7/2024 9:33:04 AM
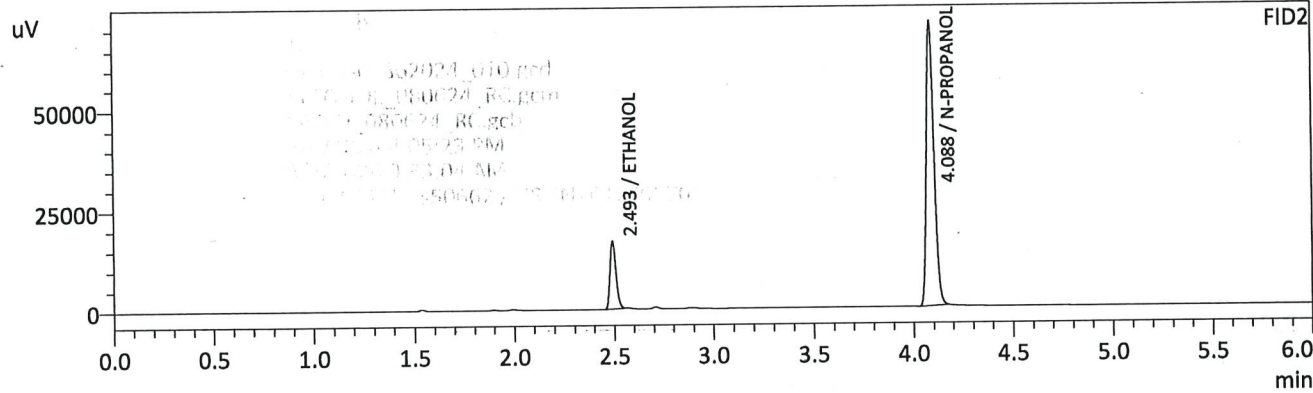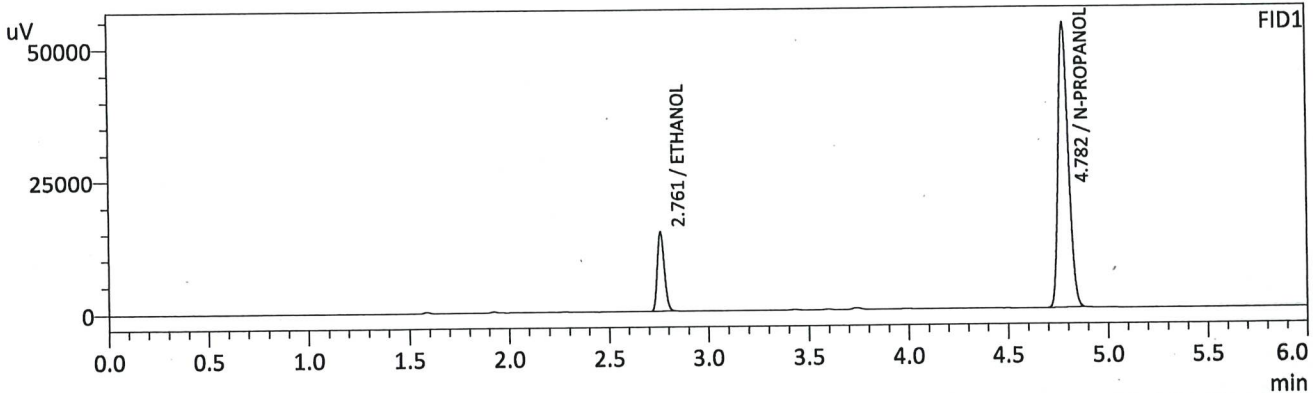Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0880	g/100cc	35871	14773
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189778	53641
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0872	g/100cc	35115	16711
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189222	70442
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA				Analysis Date(s): 8/6/2024 4:14:54 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	0.0004	0.0813
(g/100cc)	0.0818	0.0812	0.0006	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080624_RC.gcm

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

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA
Vial #   : 11
Data Filename   : 0.08 QA _862024_011.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 4:14:54 PM
Date Processed   : 8/7/2024 9:33:08 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
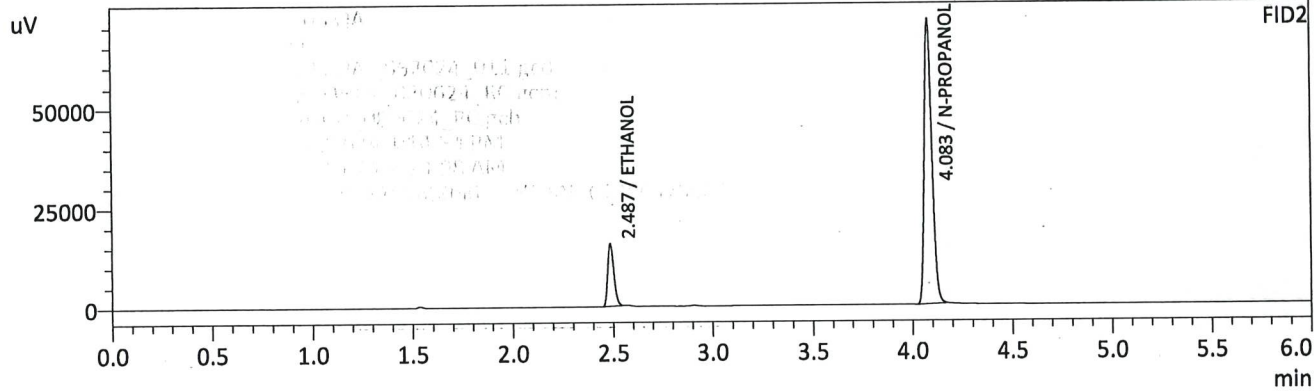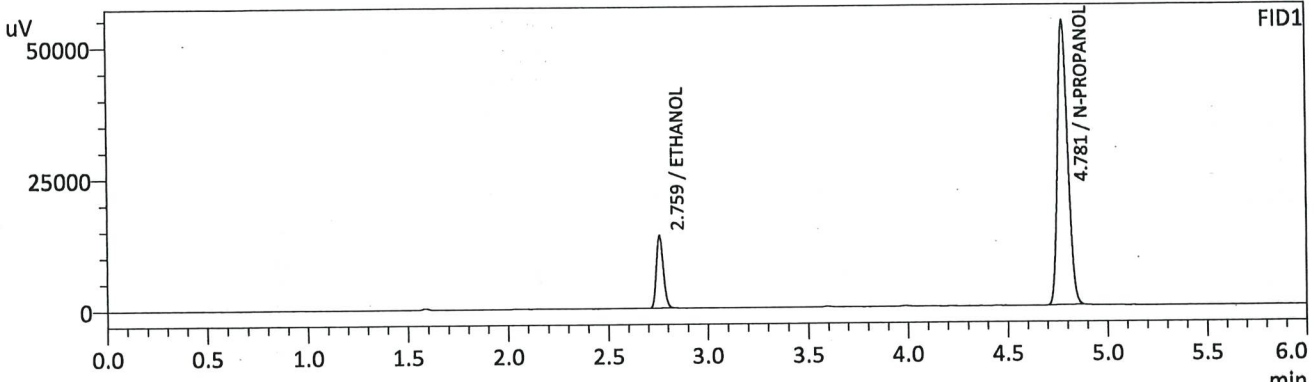
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	33248	13674
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190751	53977
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	32603	15603
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190325	70719
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 12
Data Filename   : 0.08 QA - B_862024_012.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 4:24:12 PM
Date Processed   : 8/7/2024 9:33:13 AM
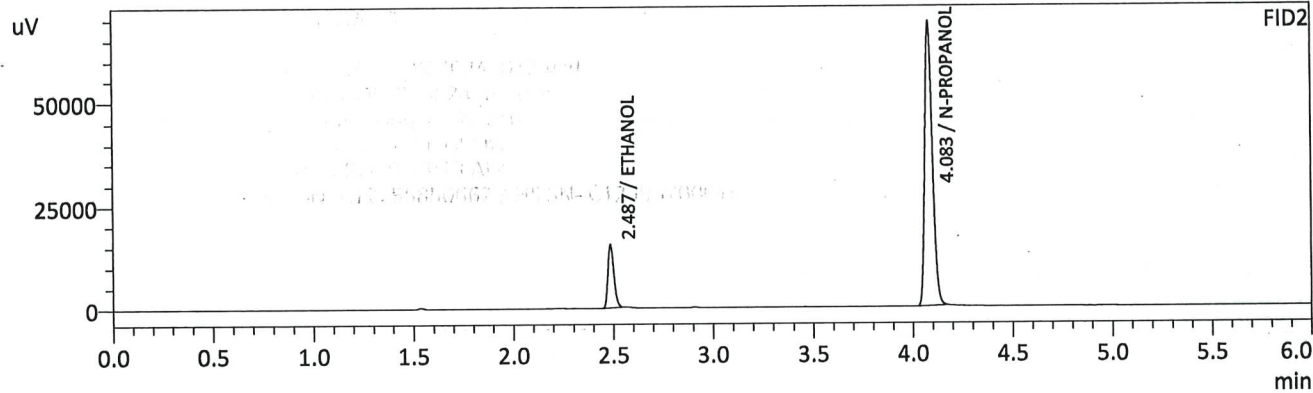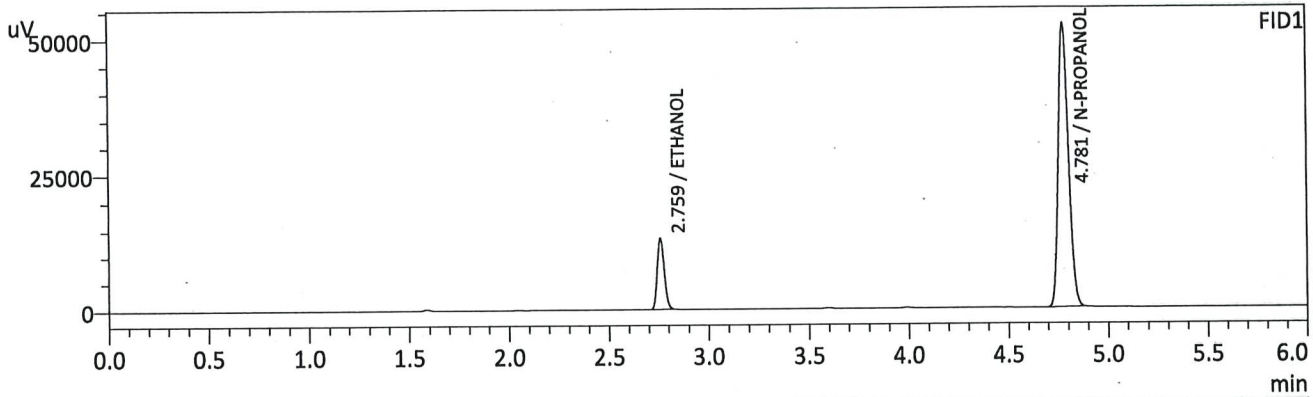Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1 chromatogram: peaks at 2.759 / ETHANOL and 4.781 / N-PROPANOL

FID2 chromatogram: peaks at 2.487 / ETHANOL and 4.083 / N-PROPANOL

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	32319	13356
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184352	52267
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	31617	15245
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183747	68597
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1				Analysis Date(s): 8/6/2024 7:25:22 PM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2077	0.2077	0.0000	0.2077	0.0005	0.2079
(g/100cc)	0.2083	0.2081	0.0002	0.2082		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080624_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%):	5.00%	
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.207		0.196	0.218	0.011

	Reported Results	
Column 1	Column 2	0.207
FID A	FID B	

Calibration and control data are stored centrally.

Sample Name   : QC2-1
Vial #   : 31
Data Filename   : QC2-1_862024_031.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 7:25:22 PM
Date Processed   : 8/7/2024 9:34:30 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
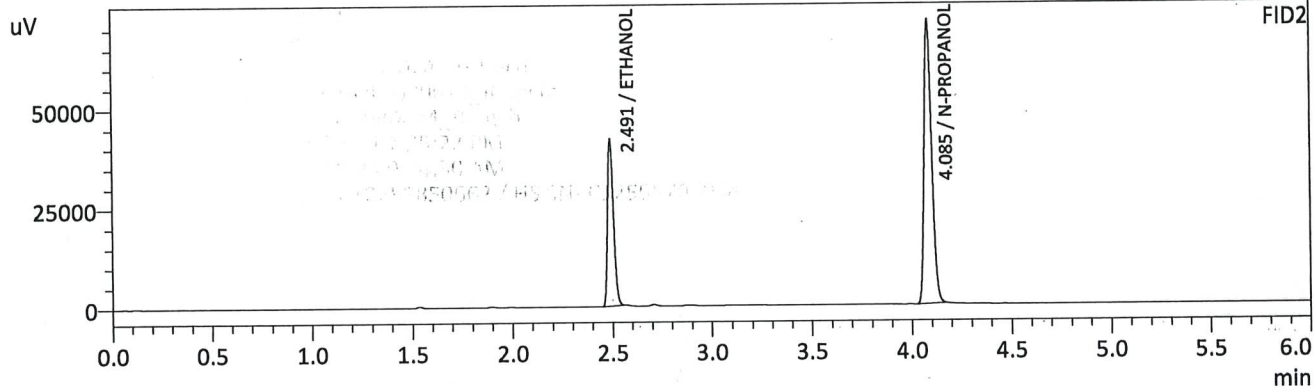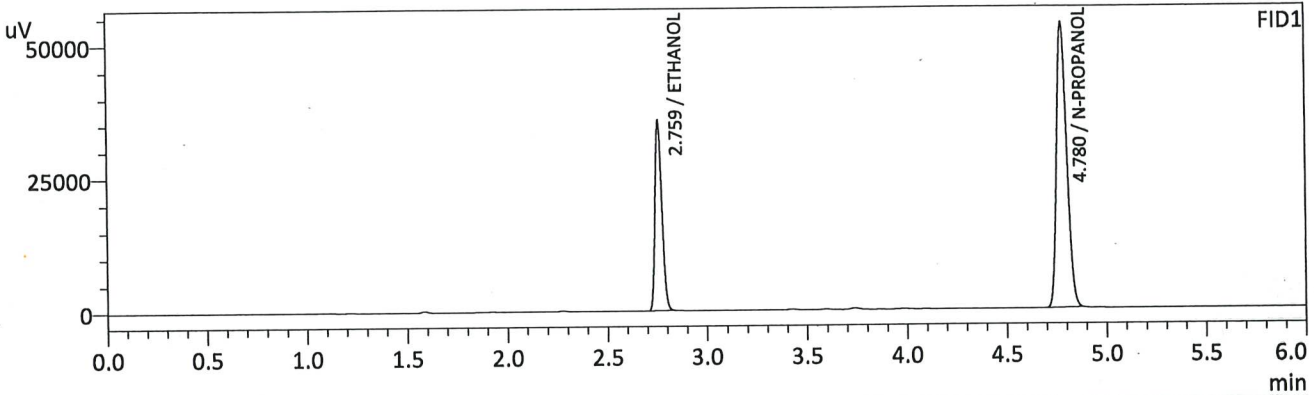
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2077	g/100cc	85914	35279
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188812	53420
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2077	g/100cc	86660	41803
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190034	71271
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-1-B
Vial #   : 32
Data Filename   : QC2-1-B_862024_032.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 7:34:54 PM
Date Processed : 8/7/2024 9:34:35 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
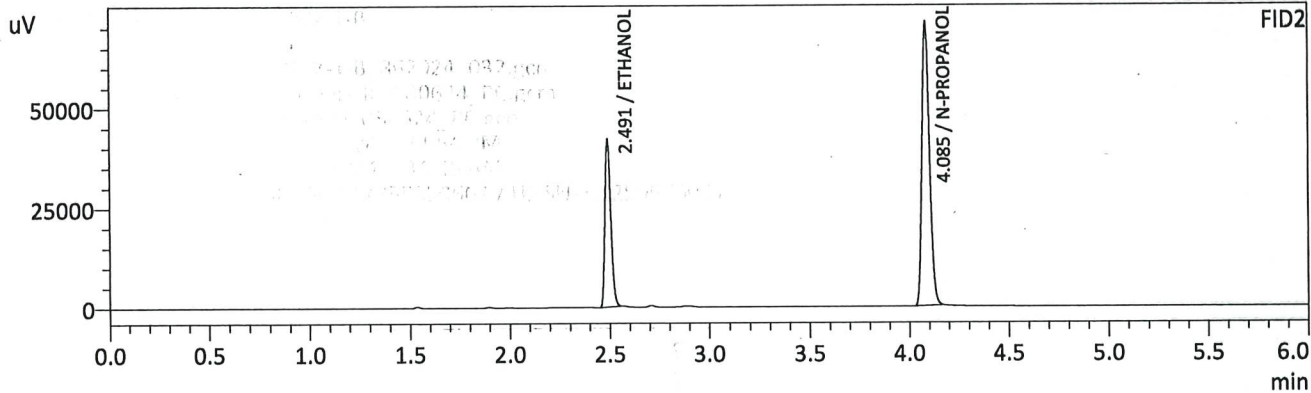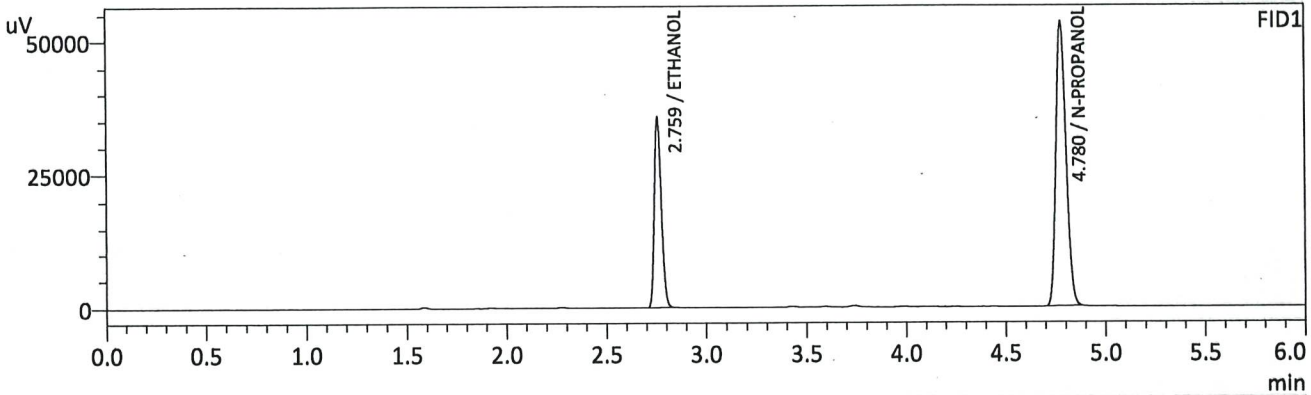
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2083	g/100cc	85936	35267
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188274	53238
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2081	g/100cc	86574	41808
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189468	70819
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			**Analysis Date(s):** 8/6/2024 10:54:48 PM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0900	0.0893	0.0007	0.0896	0.0011	0.0901
(g/100cc)	0.0909	0.0905	0.0004	0.0907		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_080624_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.090	0.085	0.095	0.005

| Laboratory No: QC1-2	**Reported Results**		
	Column 1 FID A	Column 2 FID B	0.090 Column Precision

Calibration and control data are stored centrally.

Sample Name   : QC1-2
Vial #   : 53
Data Filename   : QC1-2_862024_053.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 10:54:48 PM
Date Processed   : 8/7/2024 9:36:02 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
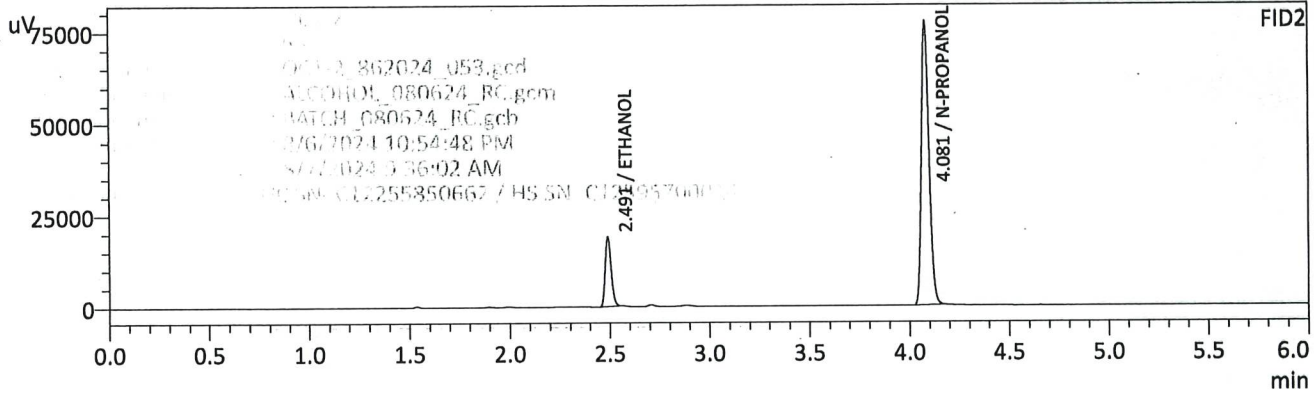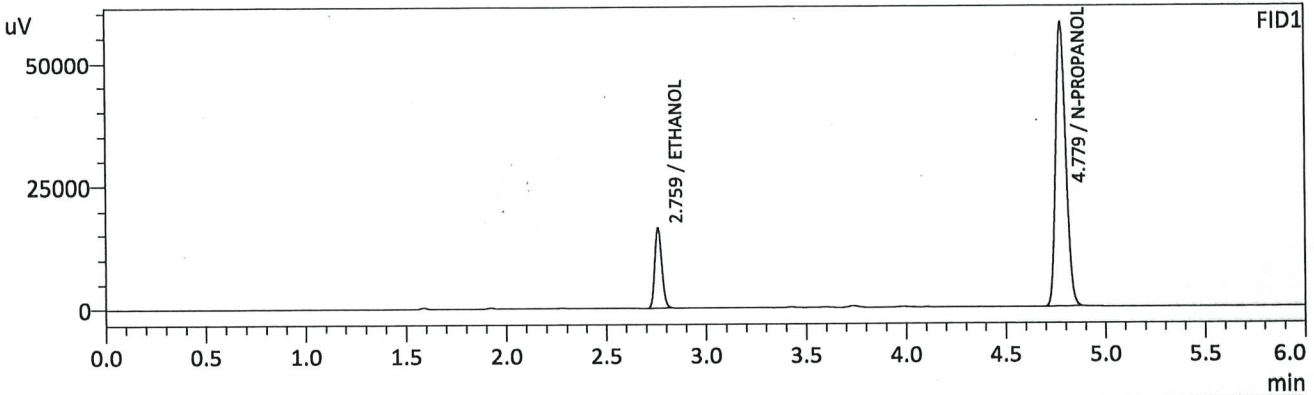
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0900	g/100cc	39376	16162
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203445	57502
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0893	g/100cc	39128	18862
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205605	77312
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 54
Data Filename   : QC1-2-B_862024_054.gcd
Method Filename   : ALCOHOL_080624_RC.gcm
Batch Filename   : BATCH_080624_RC.gcb
Date Acquired   : 8/6/2024 11:04:05 PM
Date Processed   : 8/7/2024 9:36:06 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
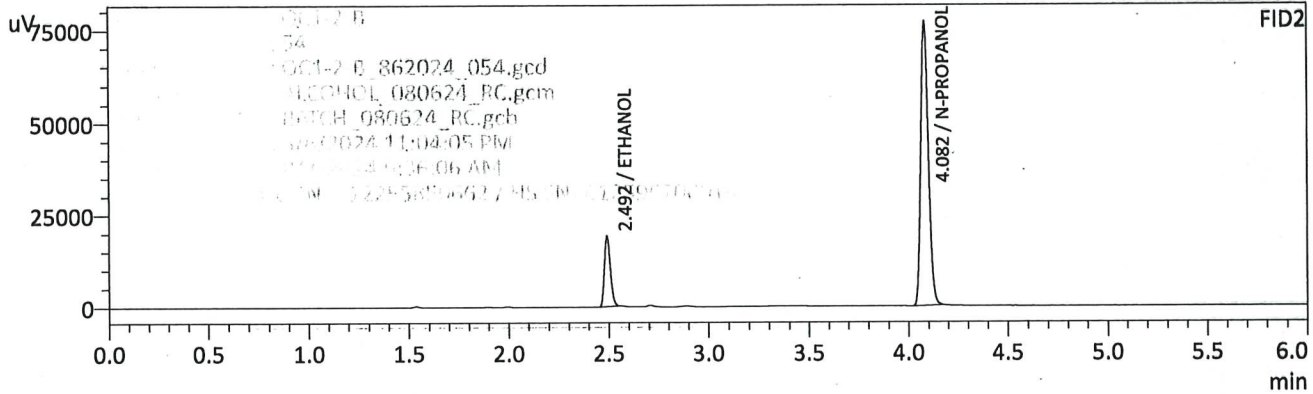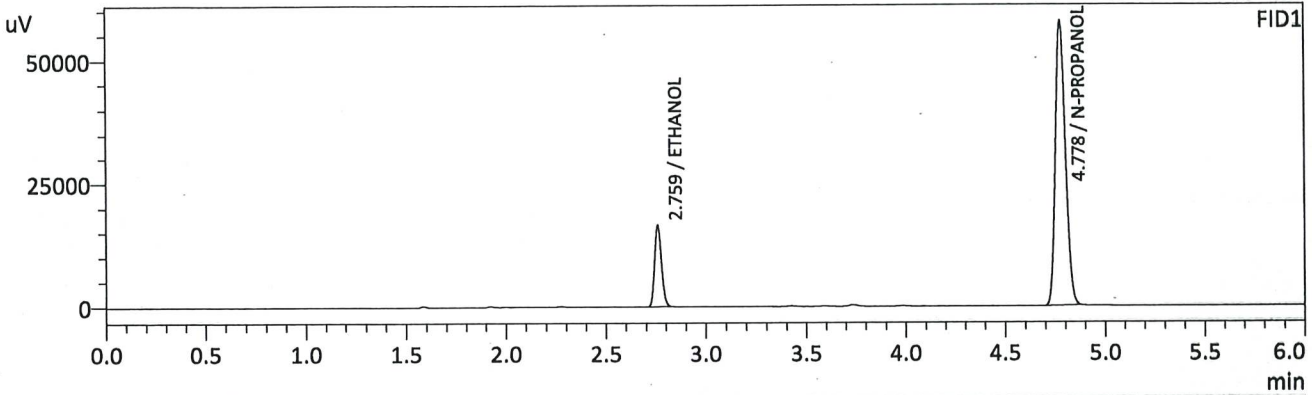

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0909	g/100cc	39610	16290
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202511	57499
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0905	g/100cc	39457	18863
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204462	76799
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 3
Vial # : 55
Data Filename : INT STD BLK 3_862024_055.gcd
Method Filename : ALCOHOL_080624_RC.gcm
Batch Filename : BATCH_080624_RC.gcb
Date Acquired : 8/6/2024 11:13:56 PM
Date Processed : 8/7/2024 9:36:11 AM
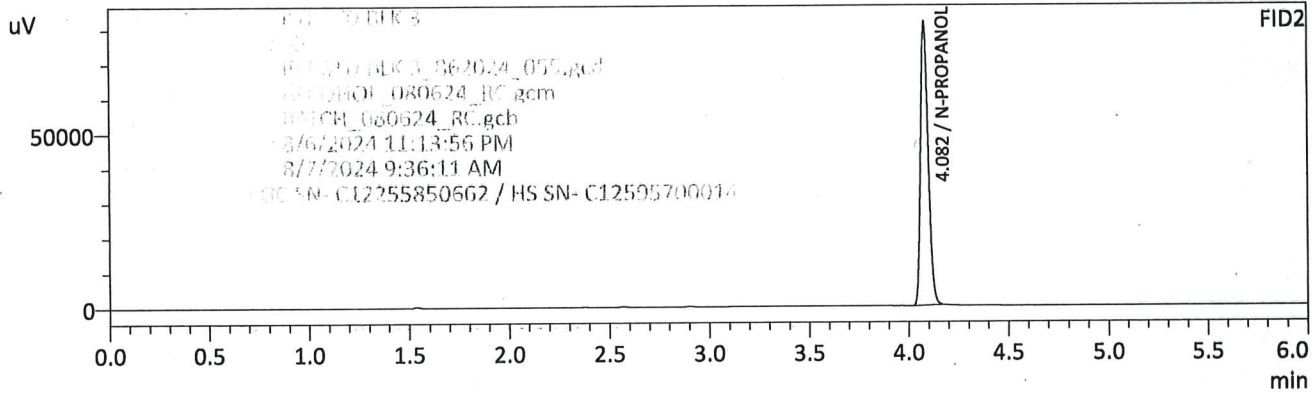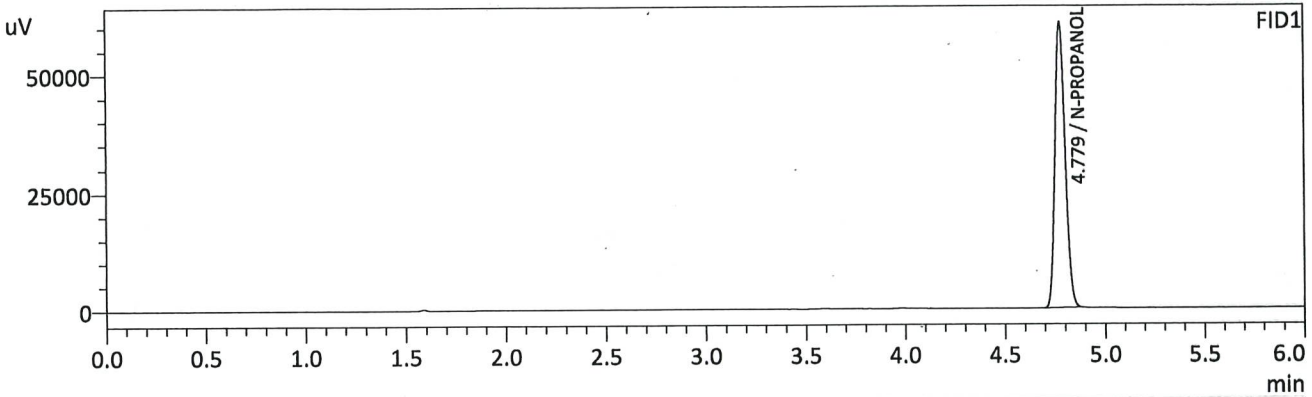Instrument : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	213576	60471
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	215904	81399
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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_080624_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_080624_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_080624_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_080624_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_080624_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_080624_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_080624_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_080624_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_080624_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_080624_RC.gcm		0
13	P2024-2245-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
14	P2024-2245-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
15	P2024-2259-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
16	P2024-2259-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
17	P2024-2269-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
18	P2024-2269-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
19	P2024-2288-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
20	P2024-2288-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
21	P2024-2290-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
22	P2024-2290-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
23	P2024-2301-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
24	P2024-2301-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
25	P2024-2311-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
26	P2024-2311-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
27	P2024-2317-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
28	P2024-2317-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
29	P2024-2319-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
30	P2024-2319-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
33	P2024-2326-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
34	P2024-2326-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
35	P2024-2335-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
36	P2024-2335-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
37	P2024-2335-2	0:Unknown	ALCOHOL_080624_RC.gcm		0
38	P2024-2335-2-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
39	P2024-2342-1-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
40	P2024-2342-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
41	P2024-2384-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
42	P2024-2384-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
43	P2024-2396-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
44	P2024-2396-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
45	P2024-2398-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
46	P2024-2398-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
47	P2024-2399-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
48	P2024-2399-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
49	P2024-2400-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
50	P2024-2400-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
51	P2024-2401-1	0:Unknown	ALCOHOL_080624_RC.gcm		0
52	P2024-2401-1-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_080624_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_080624_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_080624_RC.gcm		0

8-7-24
RC DFE

Sample Name   : ~~DME~~
Vial #   : 2
Data Filename : DME_872024_002.gcd
Method Filename: ALCOHOL_080624_RC.gcm
Batch Filename : DFE AND TFE.gcb
Date Acquired : 8/7/2024 10:22:30 AM
Date Processed : 8/7/2024 10:54:09 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
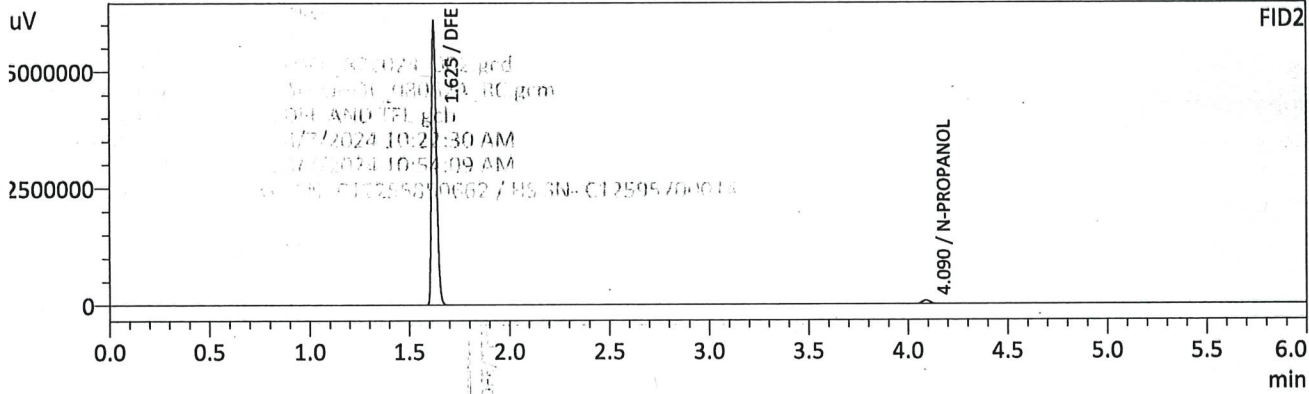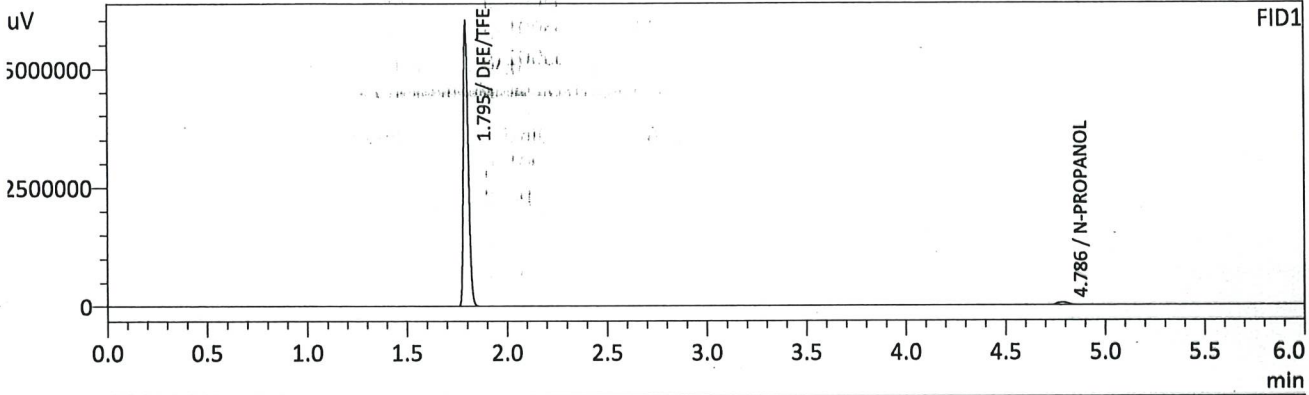
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202421	57426
DFE/TFE	0.0000	g/100cc	10211927	5965003
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	203794	76261
DFE	0.0000	g/100cc	10267479	6001532
TFE	--	g/100cc	--	--