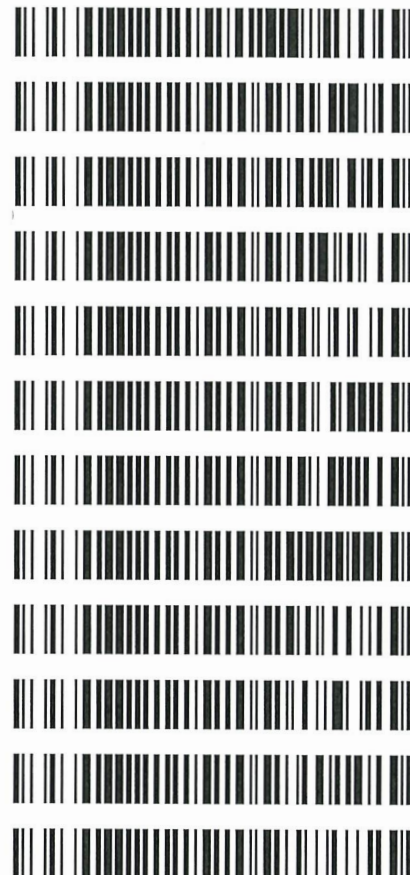


Worklist: 6842

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-1648	1	BCK	Alcohol Analysis
P2024-1710	1	BCK	Alcohol Analysis
P2024-1712	1	BCK	Alcohol Analysis
P2024-1723	1	BCK	Alcohol Analysis
P2024-1729	1	BCK	Alcohol Analysis
P2024-1740	1	BCK	Alcohol Analysis
P2024-1753	1	BCK	Alcohol Analysis
P2024-1757	1	BCK	Alcohol Analysis
P2024-1769	1	BCK	Alcohol Analysis
P2024-1791	1	BCK	Alcohol Analysis
P2024-1798	1	BCK	Alcohol Analysis
P2024-1812	1	BCK	Alcohol Analysis



Also ran P2024-1520
P2024-1522 Item 1

REVIEWED
By Jeremy Johnston at 9:25 am, Jun 12, 2024

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): **06/11/24**

Calibration Date: (if different) : **05/30/24**

Worklist #: **6842**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0835 g/100cc	
					0.0886 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2059 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	0.082 g/100cc

Internal Standard Monitoring Worksheet

Worklist #:	6842	Run Date(s):	06/11/24
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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	180337	181803
0.080	180186	181638
QC1	182229	183670
QC1	181981	183389
QC1	182596	187115
QC1	180066	184122
QC1		
QC1		
QC2	178175	178860
QC2	179014	179609
QC2		
QC2		
QC2		
QC2		

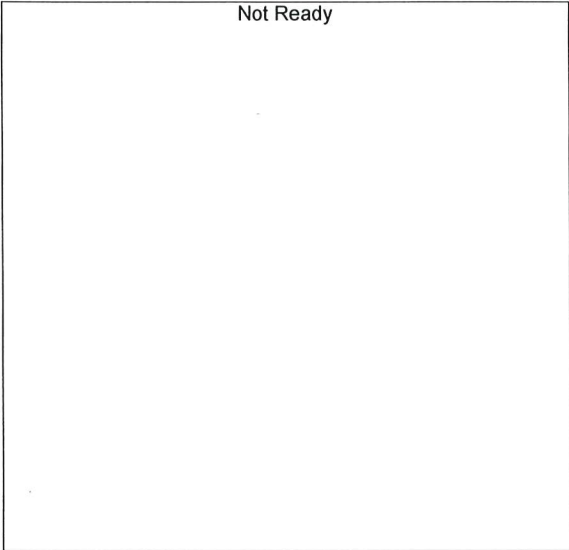
	Average	(-)20%	(+)20%
Column 1	180573.0	144458.4	216687.6
Column 2	182525.8	146020.6	219030.9



Calibration Table

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



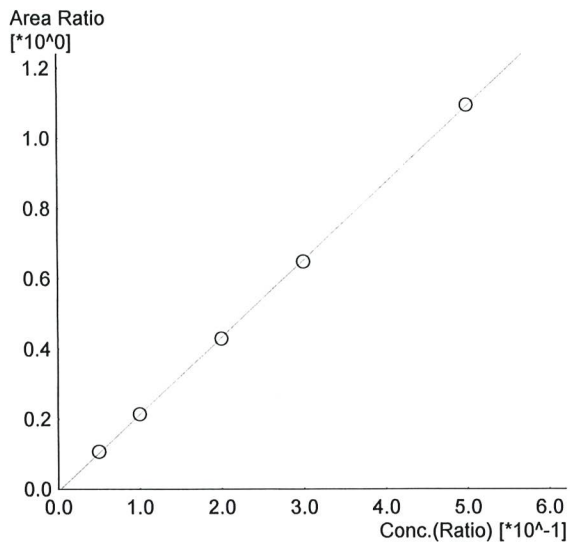
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



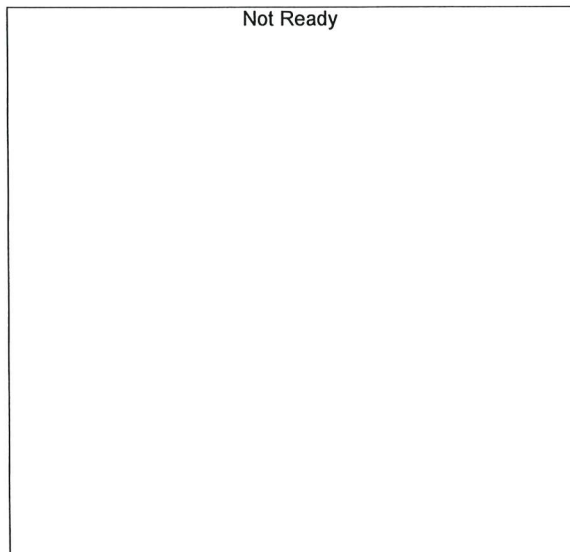
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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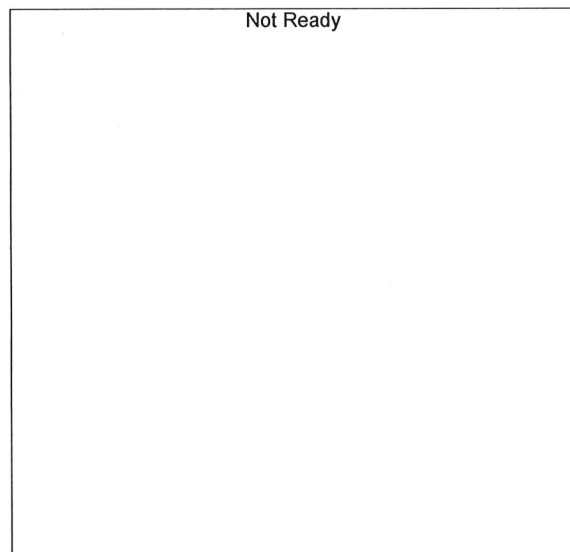
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.19291*x-0.00610491$
 R² value= 0.9999351 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	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 : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

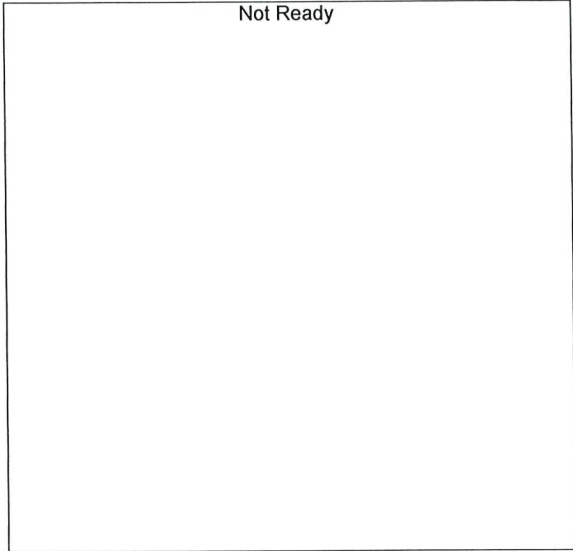
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

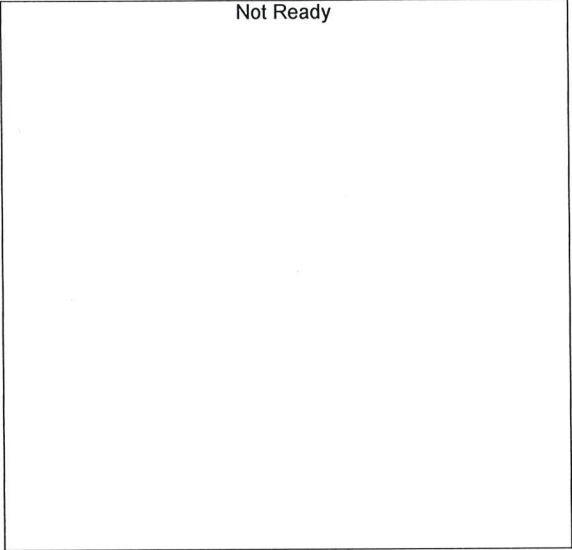
#	Conc.	Area	Std. Conc.	Data File Name
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Handwritten signature/initials



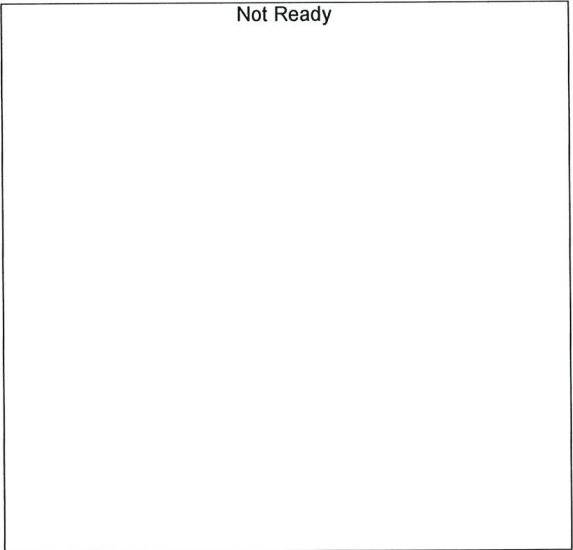
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



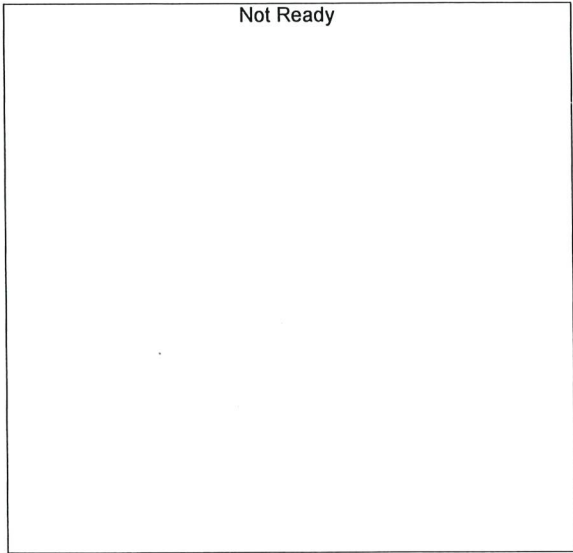
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



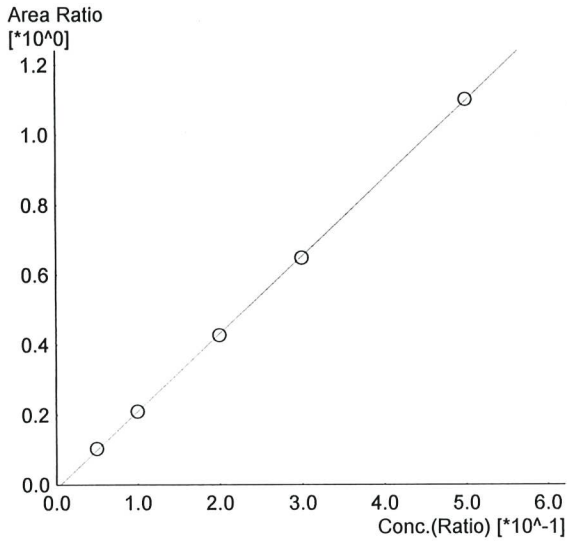
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



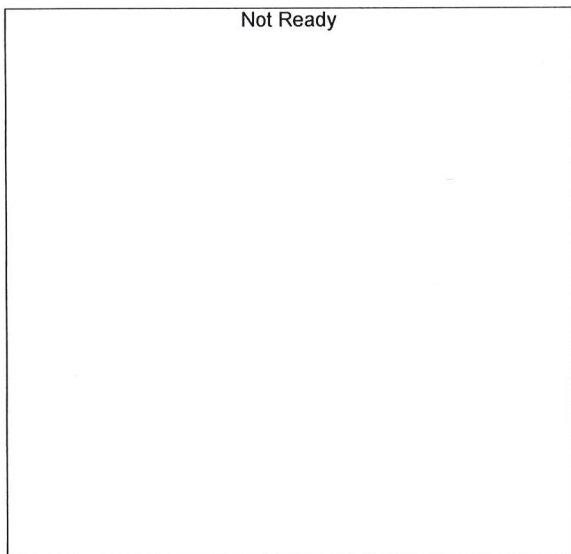
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



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

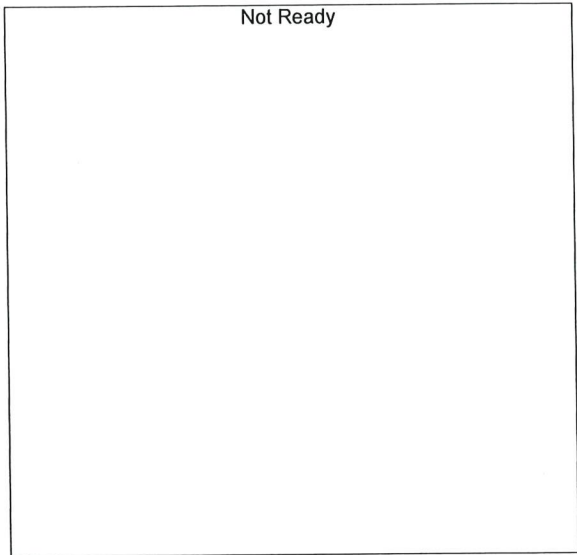
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18789	0.0519	0.050_5302024_001.gcd
2	0.100	38377	0.1001	0.100_5302024_002.gcd
3	0.200	78815	0.1982	0.200_5302024_003.gcd
4	0.300	119273	0.2978	0.300_5302024_004.gcd
5	0.500	203848	0.5017	0.500_5302024_005.gcd



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

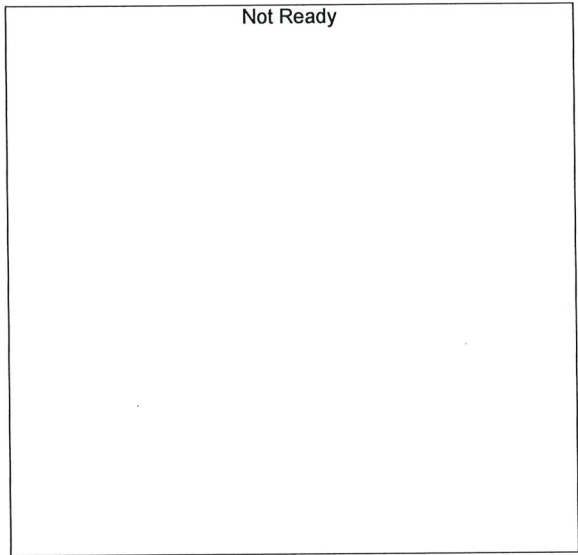
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC



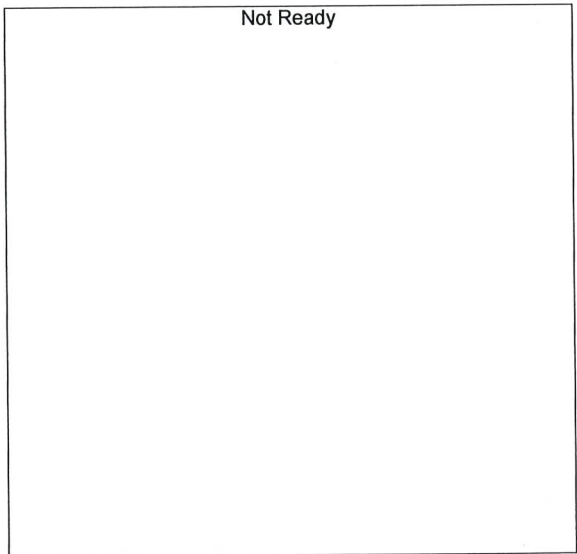
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

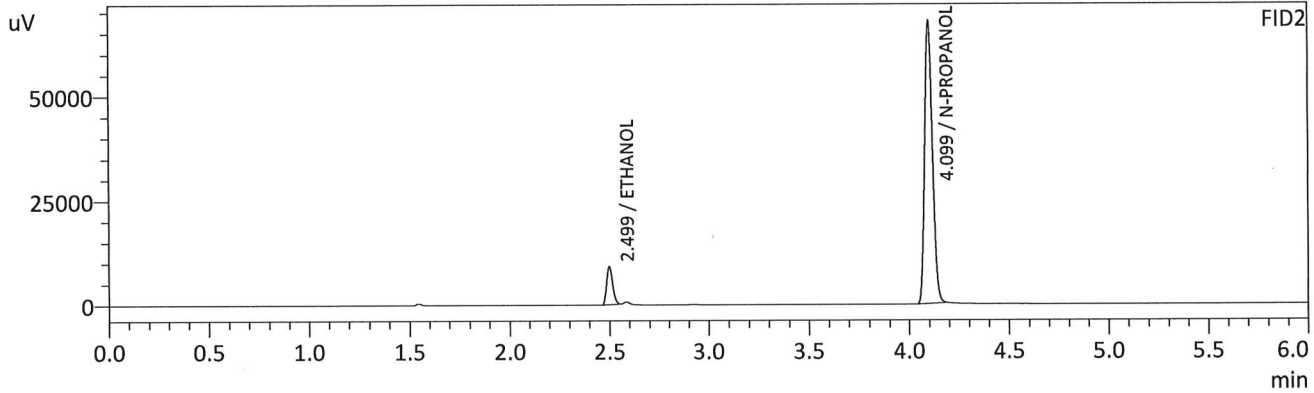
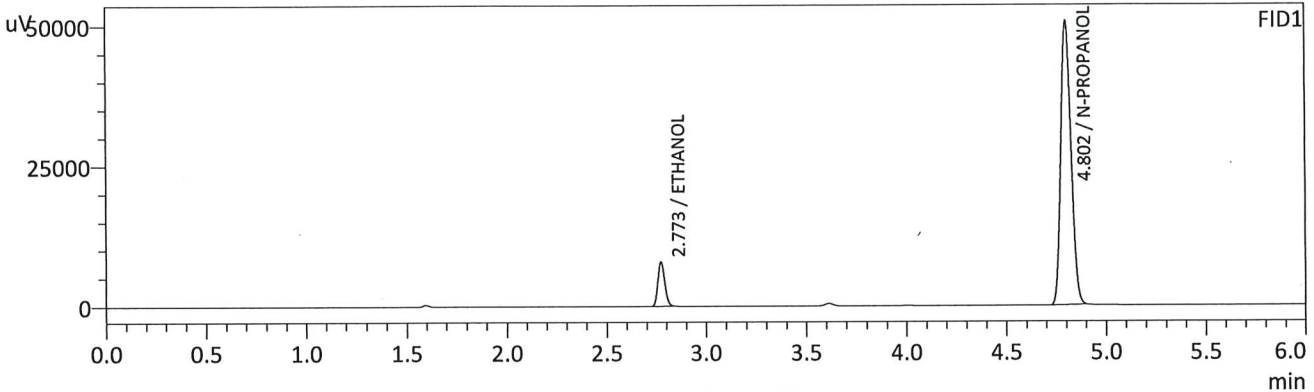
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

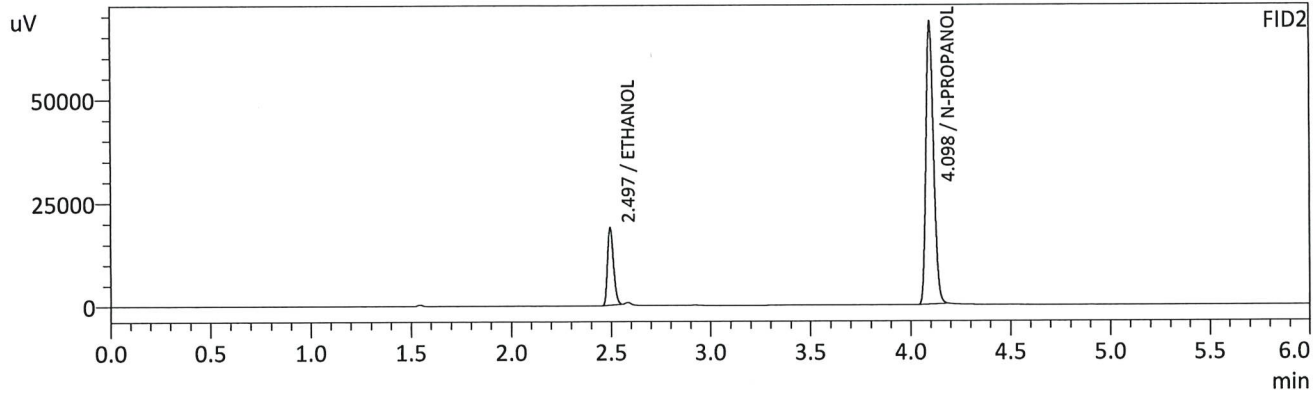
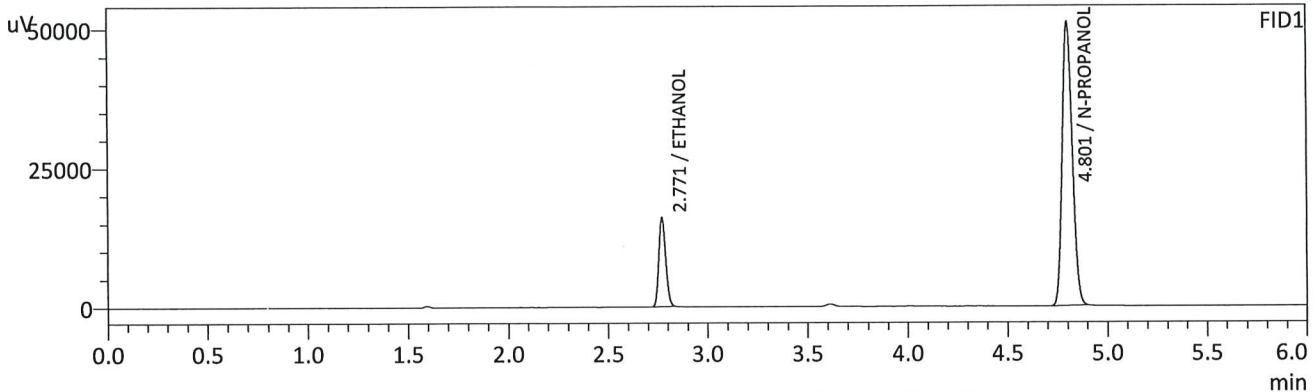
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	19146	7832
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179564	50478
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

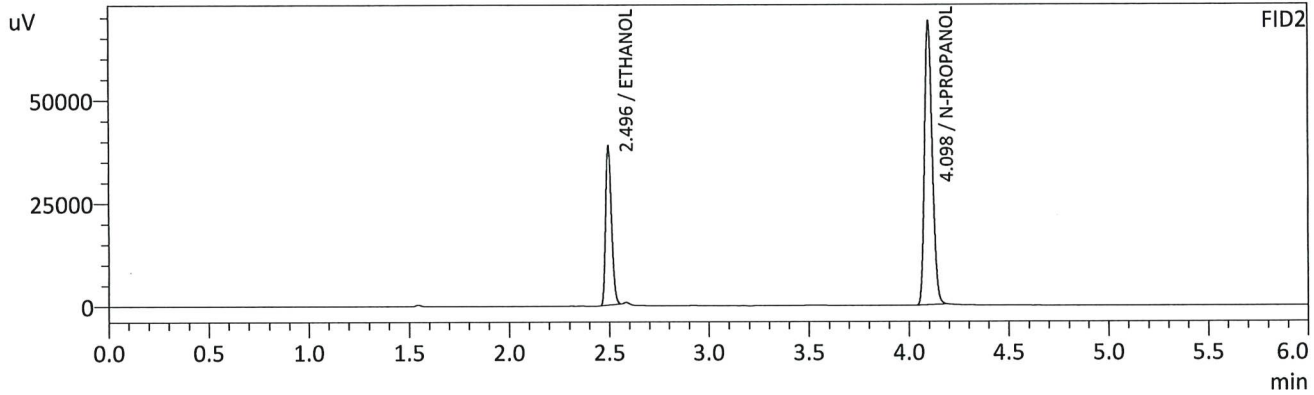
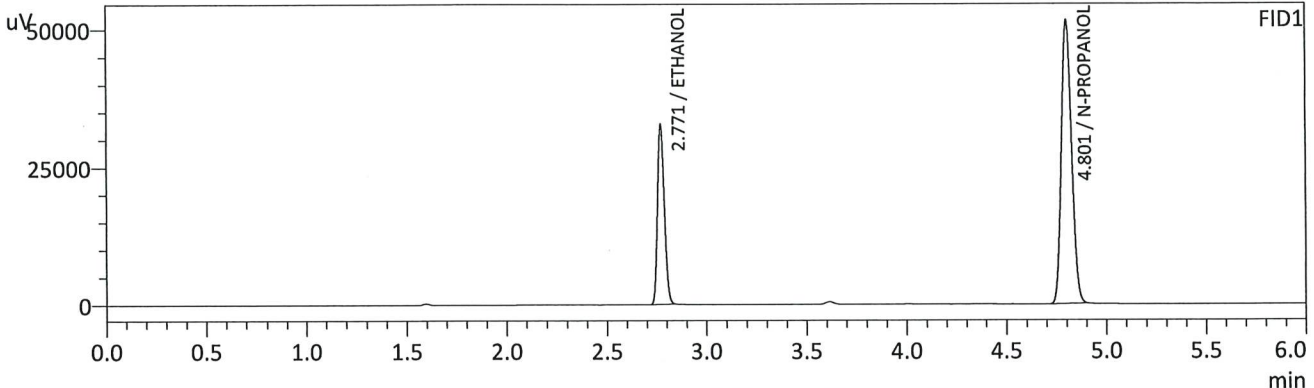
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	38653	15994
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180792	50964
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

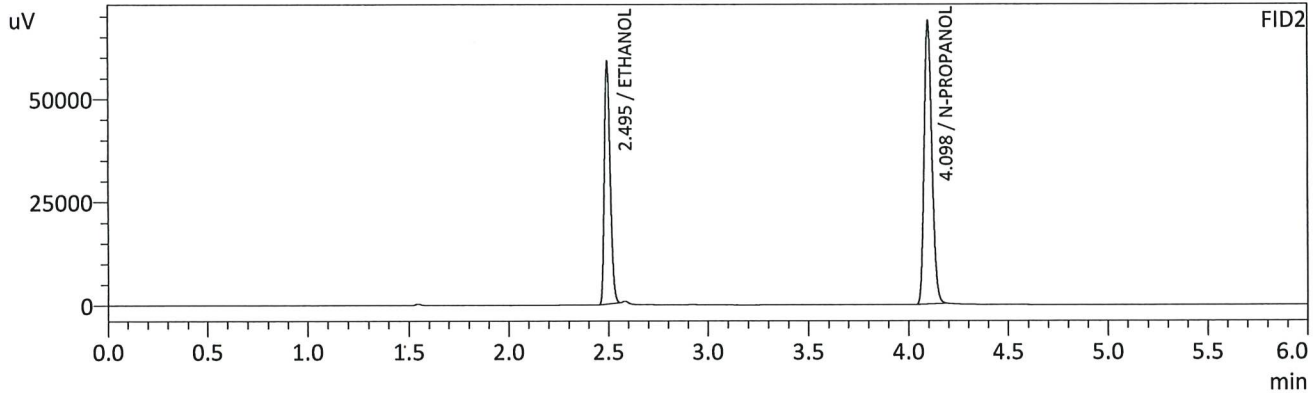
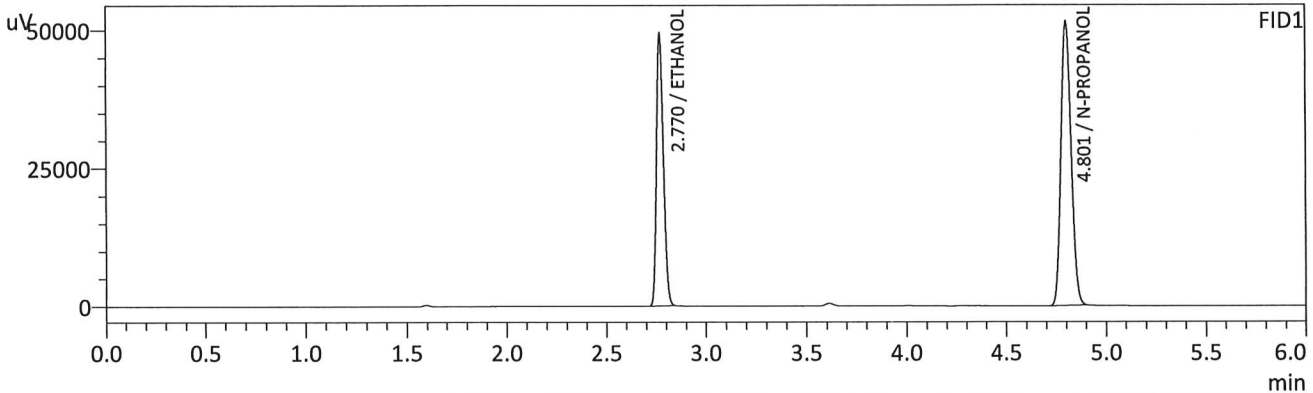
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	78484	32699
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182812	51403
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

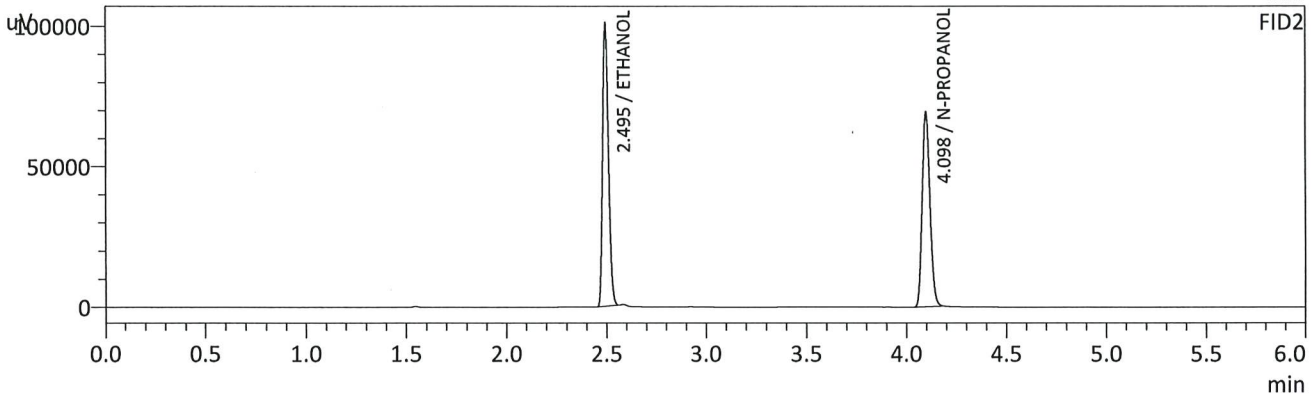
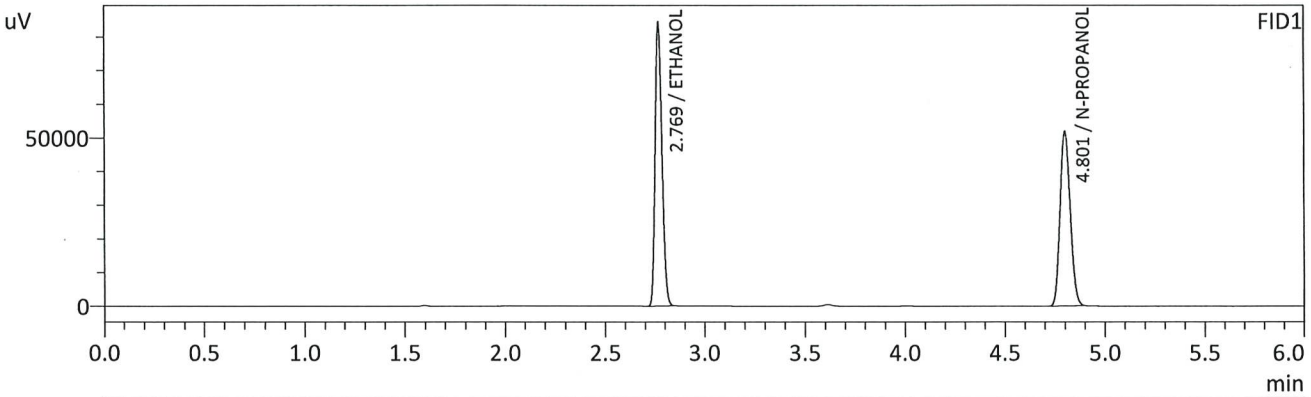
Name	Conc. .	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	118243	49322
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182376	51390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

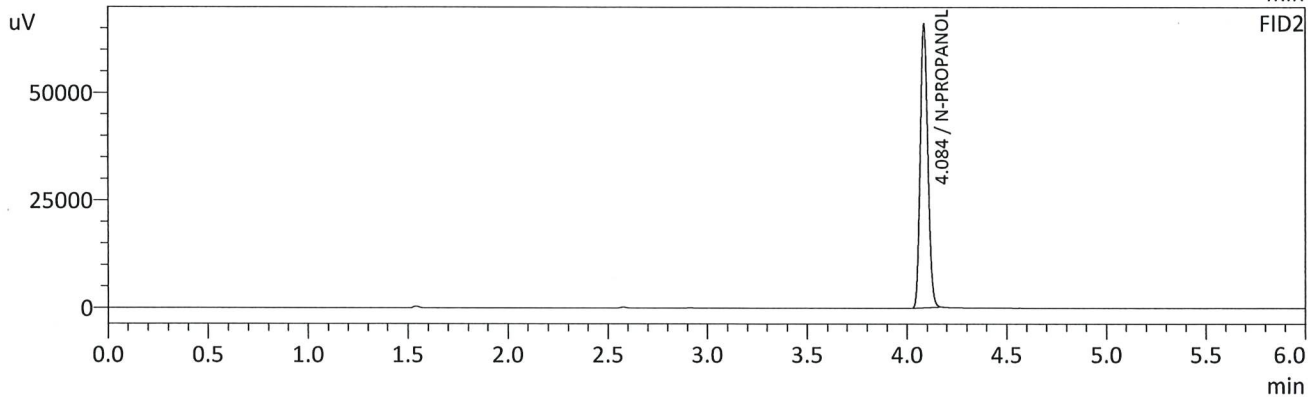
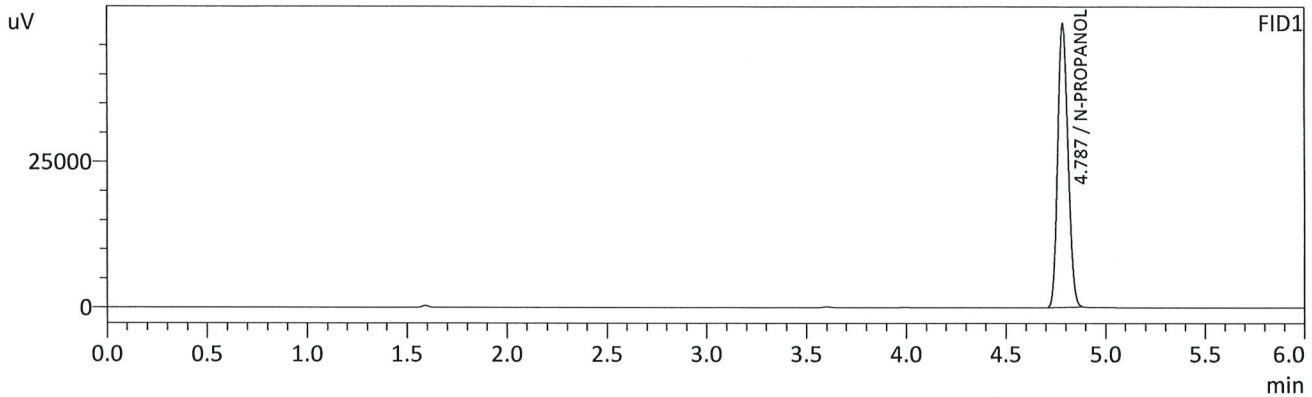
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	200843	84110
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183715	51835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_6112024_001.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:01:08 PM
 Date Processed : 6/11/2024 12:07:11 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	172284	48694
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

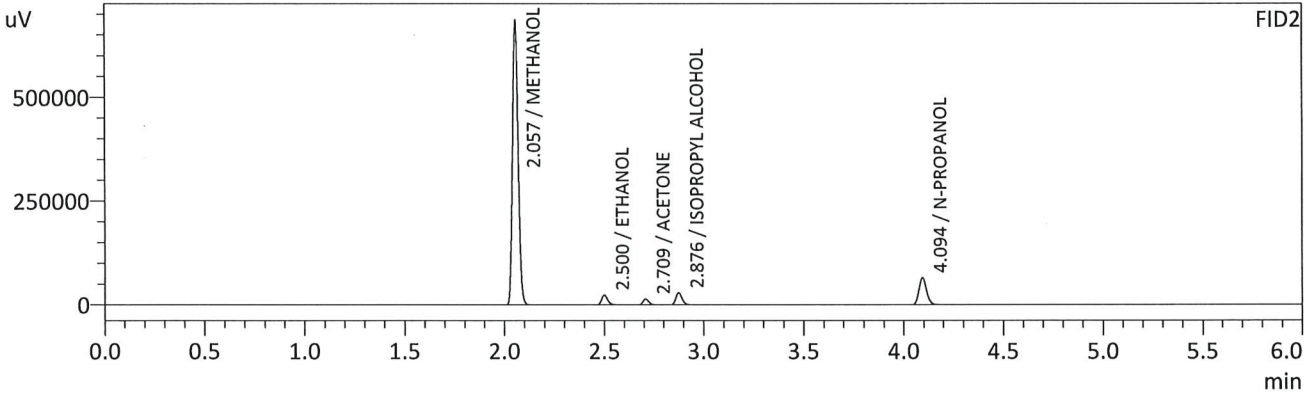
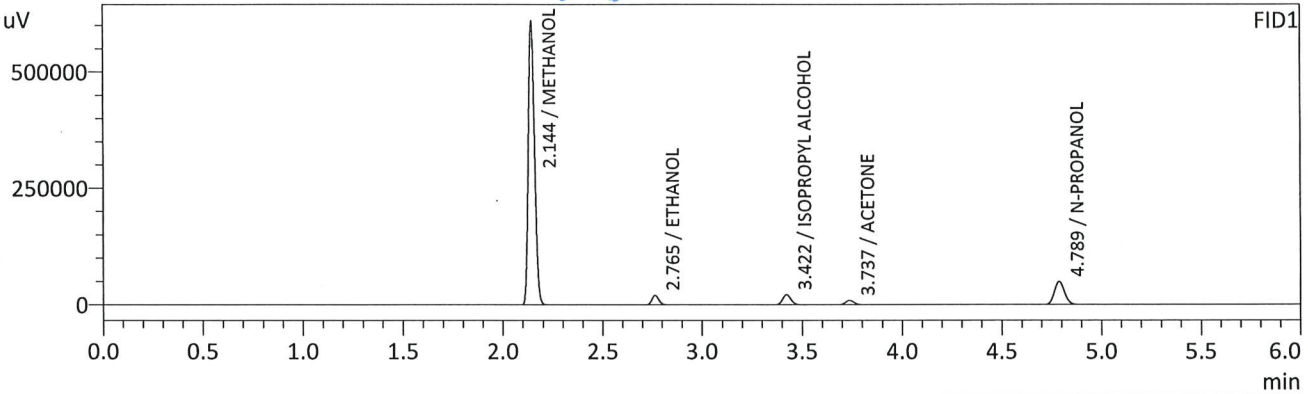
FID2

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	176092	65593
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

GC

Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_6112024_002.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:10:39 PM
 Date Processed : 6/11/2024 12:16:40 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

← I added extra (too much) RC 6-11-24



FID1

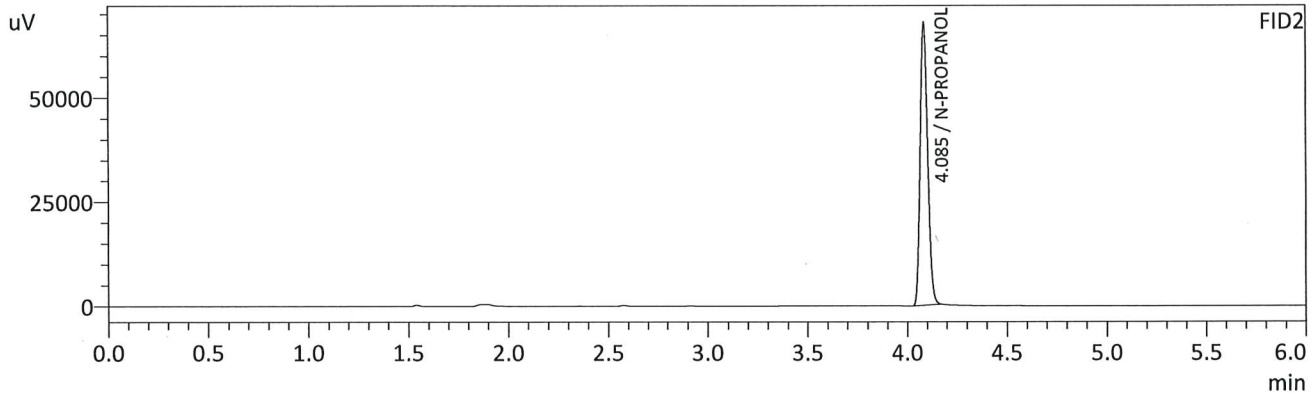
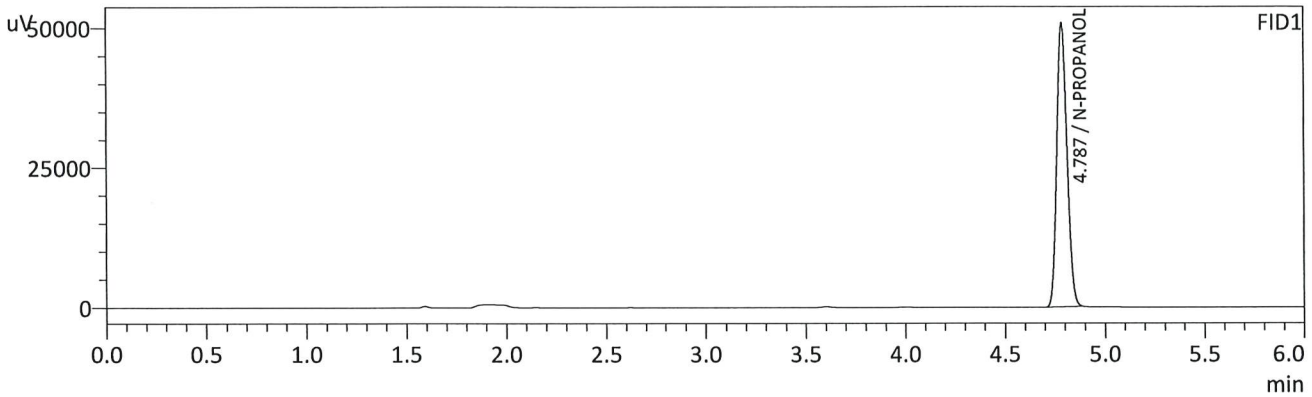
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1297832	607905
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1293	g/100cc	47680	20048
ISOPROPYL ALCOHOL	0.0000	g/100cc	60160	21287
ACETONE	0.0000	g/100cc	26637	9214
N-PROPANOL	0.0000	g/100cc	171782	49006
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	1339875	681987
ETHANOL	0.1288	g/100cc	46932	23074
ACETONE	0.0000	g/100cc	27741	13627
ISOPROPYL ALCOHOL	0.0000	g/100cc	60833	28380
N-PROPANOL	0.0000	g/100cc	171476	64957
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_6112024_003.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:19:59 PM
 Date Processed : 6/11/2024 12:26:01 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	179319	50735
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	180705	67632
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 6/11/2024 12:29:44 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0837	0.0001	0.0836	0.0002	0.0835
(g/100cc)	0.0834	0.0835	0.0001	0.0834		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

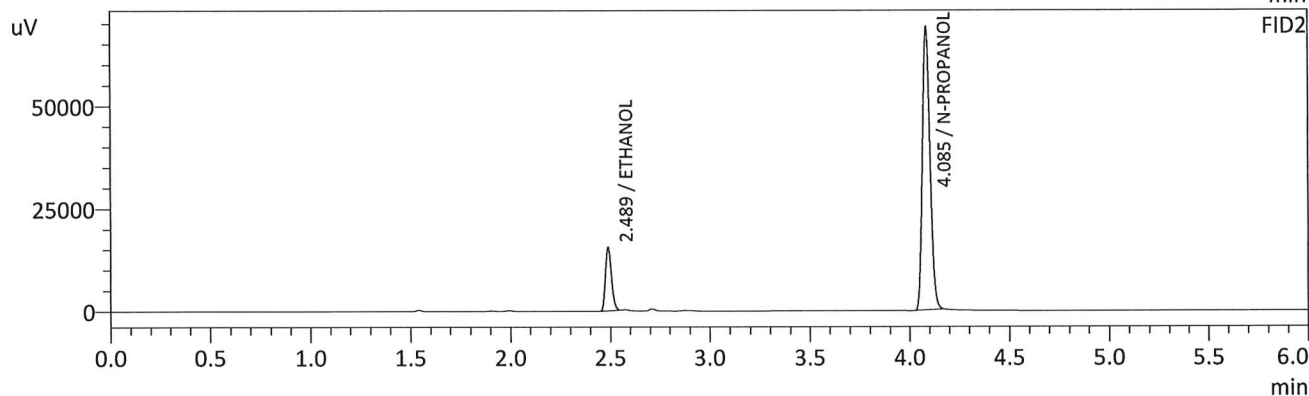
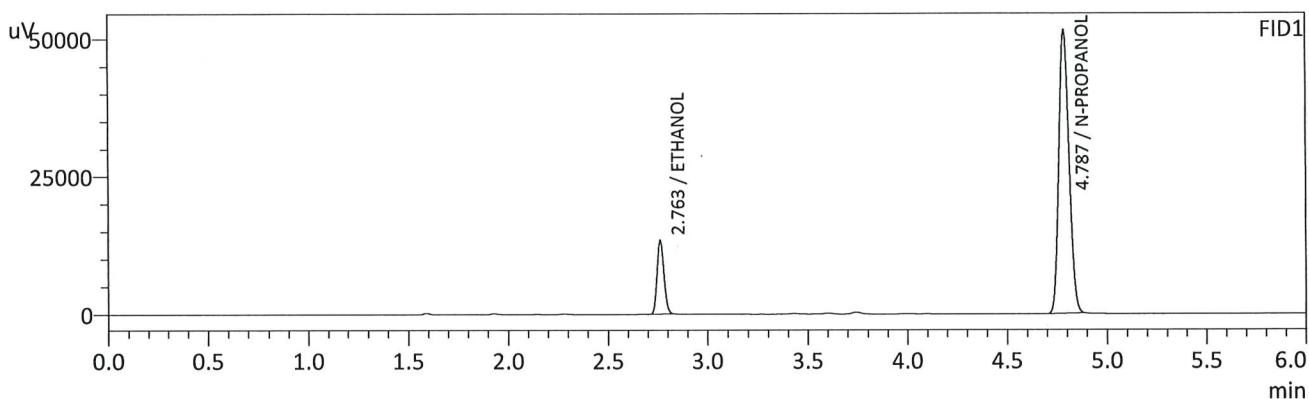
Refer To Instrument Method: ALCOHOL_053024_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

	Reported Results
	0.083

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 4
 Data Filename : QC1-1_6112024_004.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:29:44 PM
 Date Processed : 6/11/2024 12:35:46 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

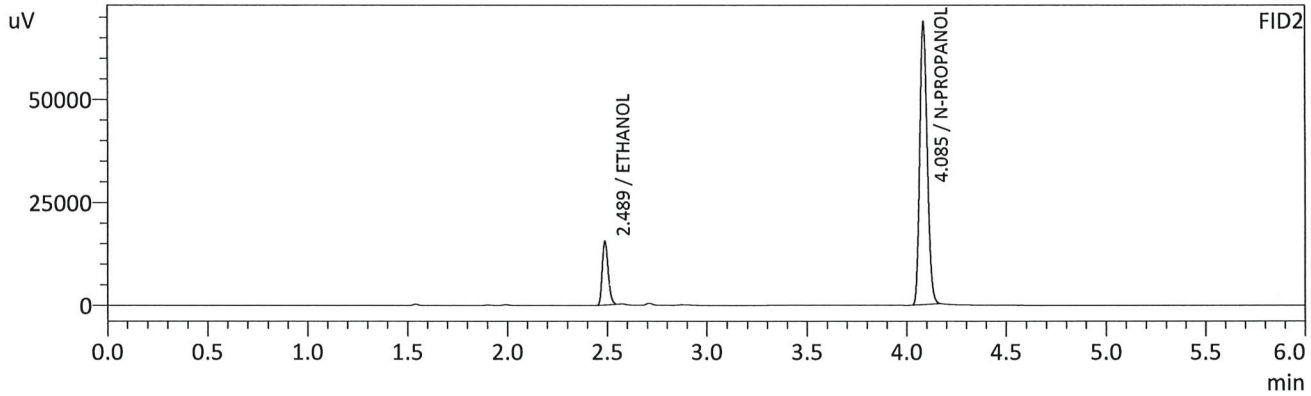
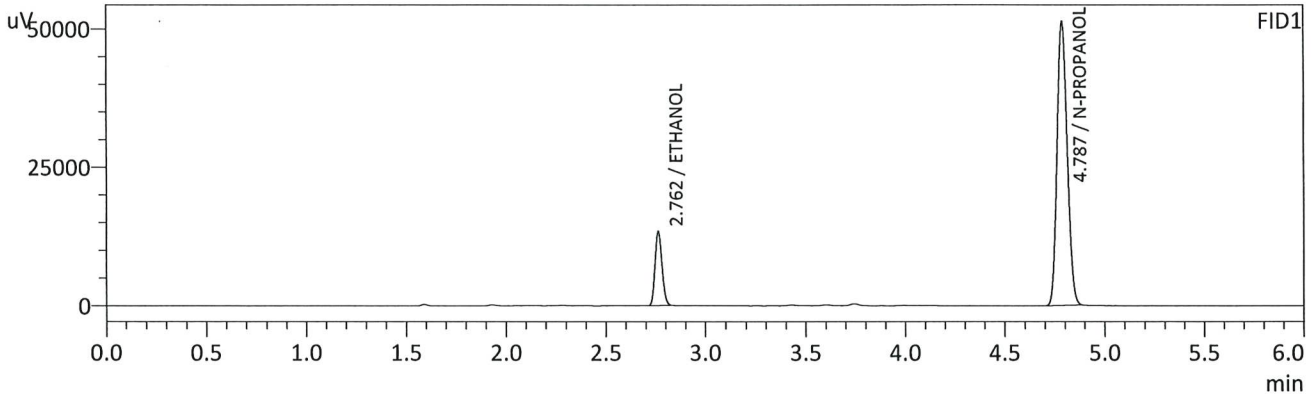
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0836	g/100cc	32299	13283
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182229	51454
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0837	g/100cc	31918	15443
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183670	68772
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ckc

Sample Name : QC1-1-B
 Vial # : 5
 Data Filename : QC1-1-B_6112024_005.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:39:16 PM
 Date Processed : 6/11/2024 12:45:18 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0834	g/100cc	32205	13277
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181981	51252
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0835	g/100cc	31790	15397
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183389	68520
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 6/11/2024 12:48:33 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0822	0.0002	0.0821	0.0001	0.0820
(g/100cc)	0.0819	0.0822	0.0003	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

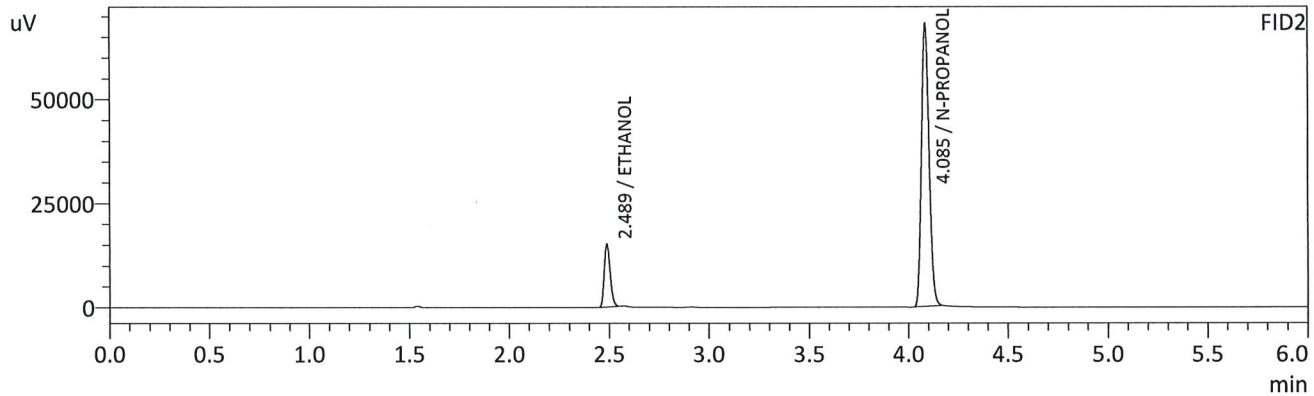
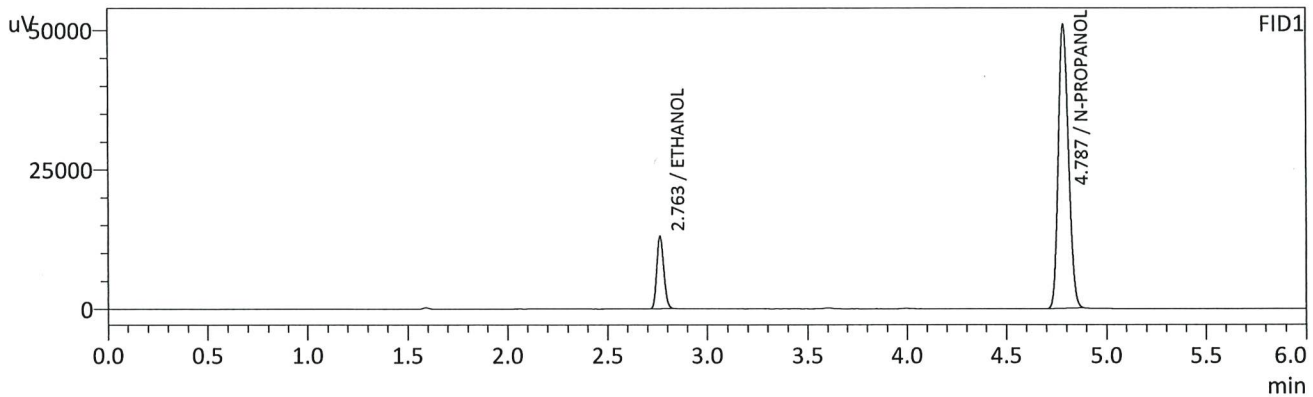
Refer To Instrument Method: ALCOHOL_053024_RC.gcm

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

	Reported Results
	0.082

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
 Vial # : 6
 Data Filename : 0.08 QA_6112024_006.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:48:33 PM
 Date Processed : 6/11/2024 12:54:34 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

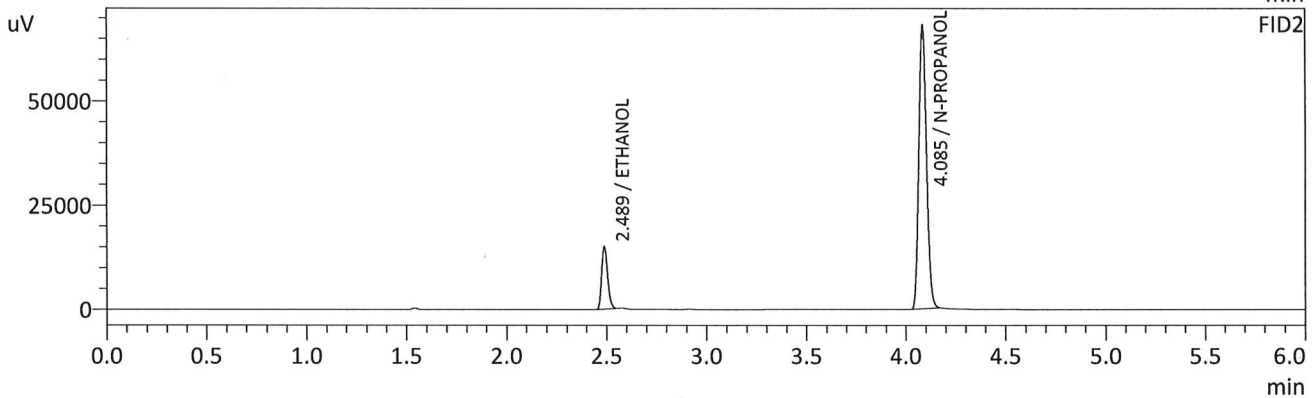
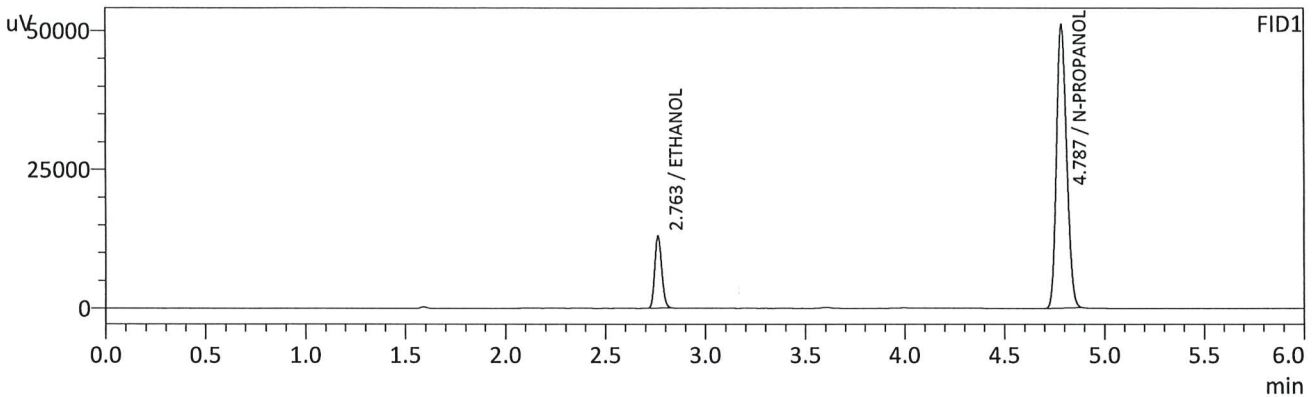
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	31354	12901
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180337	50959
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	30962	15007
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181803	67871
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

uV

Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_6112024_007.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 12:58:18 PM
 Date Processed : 6/11/2024 1:04:21 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	31265	12866
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180186	51034
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	30933	14964
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181638	67878
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1			Analysis Date(s): 6/11/2024 3:59:21 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2066	0.2052	0.0014	0.2059	0.0001	0.2059
(g/100cc)	0.2066	0.2054	0.0012	0.2060		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

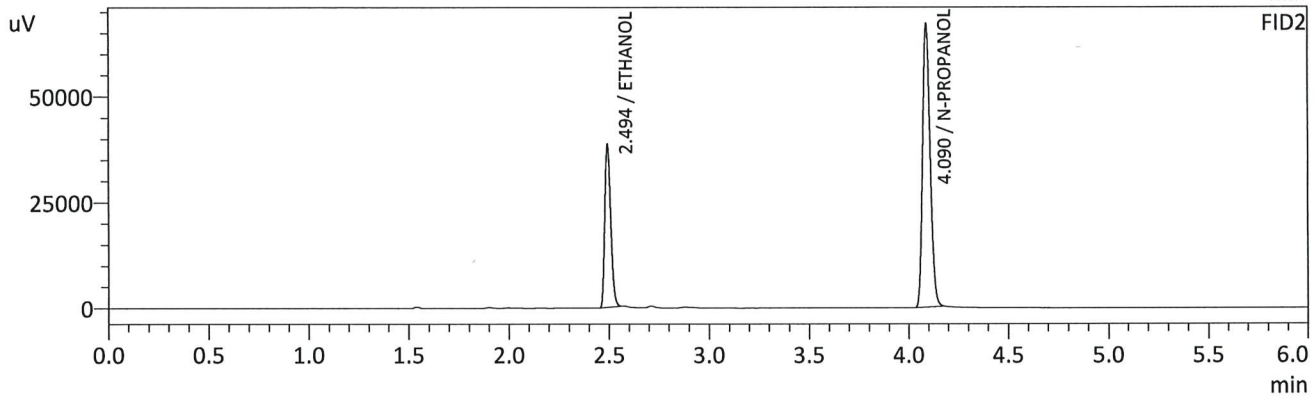
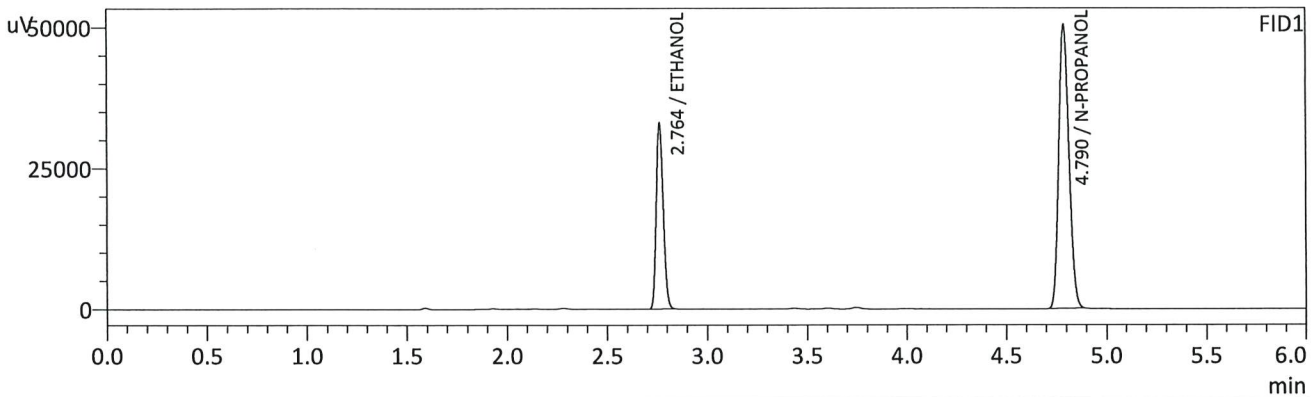
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

	Reported Results
	0.205

Calibration and control data are stored centrally.

RC

Sample Name : QC2-1
 Vial # : 26
 Data Filename : QC2-1_6112024_026.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 3:59:21 PM
 Date Processed : 6/11/2024 4:05:23 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

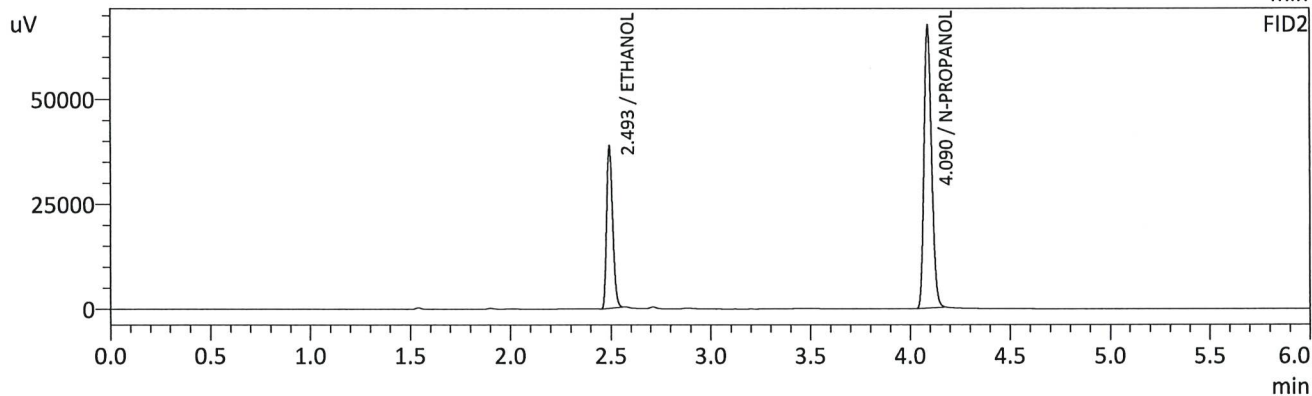
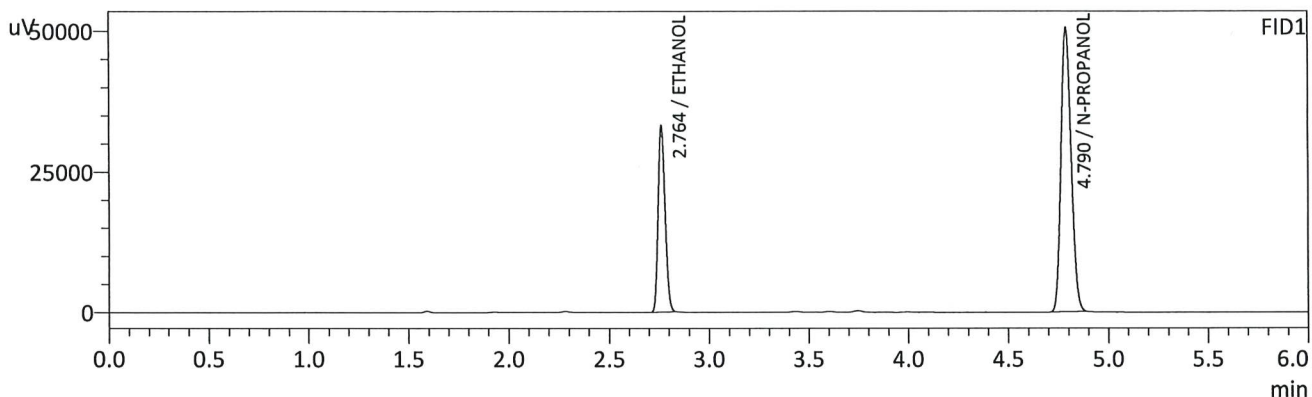
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2066	g/100cc	79642	32809
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178175	50322
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2052	g/100cc	79273	38358
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178860	66957
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

4/10

Sample Name : QC2-1-B
 Vial # : 27
 Data Filename : QC2-1-B_6112024_027.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 4:08:39 PM
 Date Processed : 6/11/2024 4:14:39 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2066	g/100cc	80020	32987
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179014	50465
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2054	g/100cc	79661	38501
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179609	67391
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2

Analysis Date(s): 6/11/2024 5:53:34 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0886	0.0890	0.0004	0.0888	0.0003	0.0886
(g/100cc)	0.0883	0.0887	0.0004	0.0885		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_053024_RC.gcm

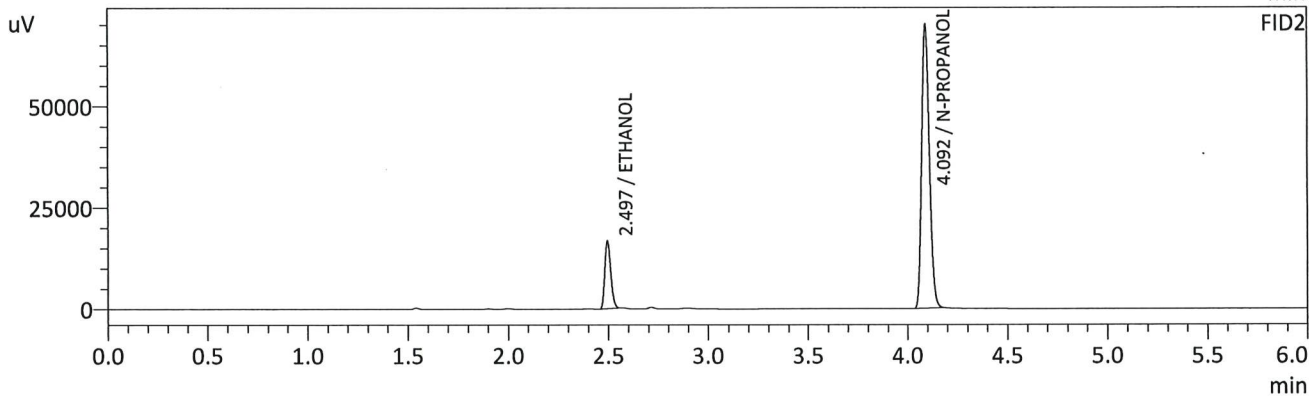
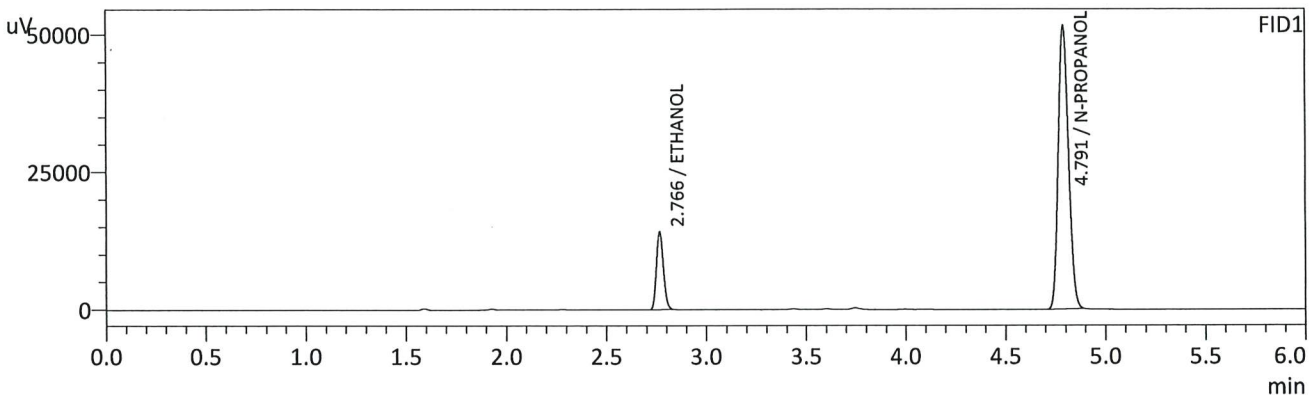
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results
	0.088

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
 Vial # : 38
 Data Filename : QC1-2_6112024_038.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 5:53:34 PM
 Date Processed : 6/11/2024 5:59:36 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

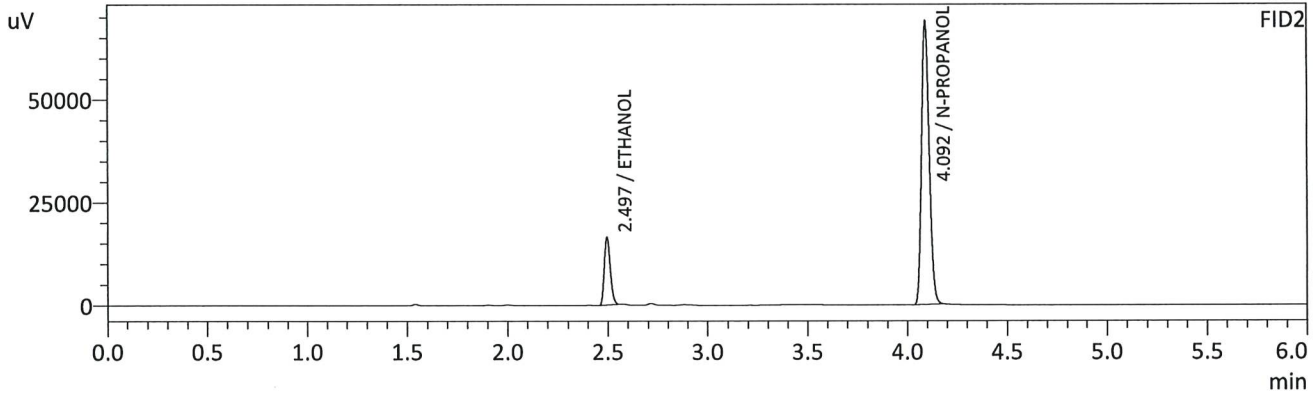
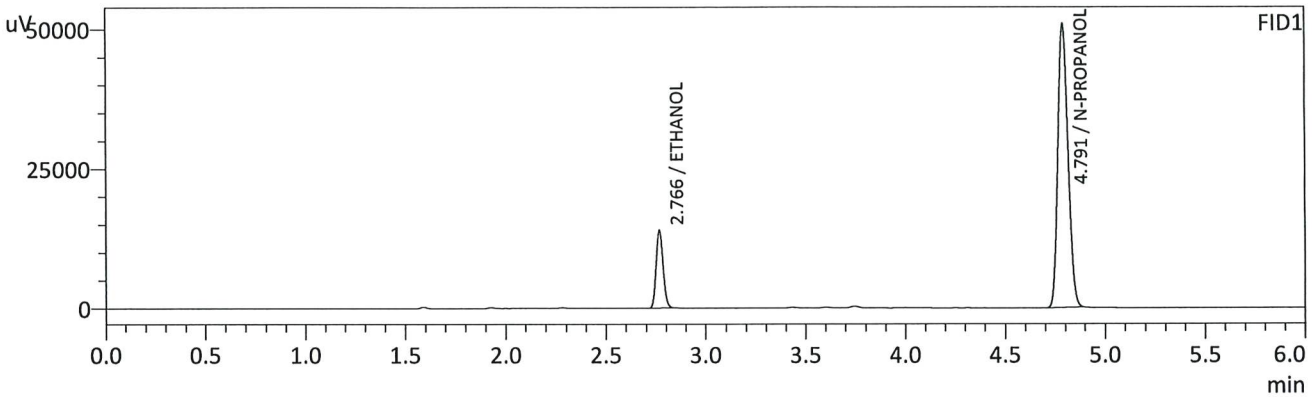
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0886	g/100cc	34363	14124
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182596	51512
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0890	g/100cc	34685	16520
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187115	69557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 39
 Data Filename : QC1-2-B_6112024_039.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 6:02:53 PM
 Date Processed : 6/11/2024 6:08:55 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

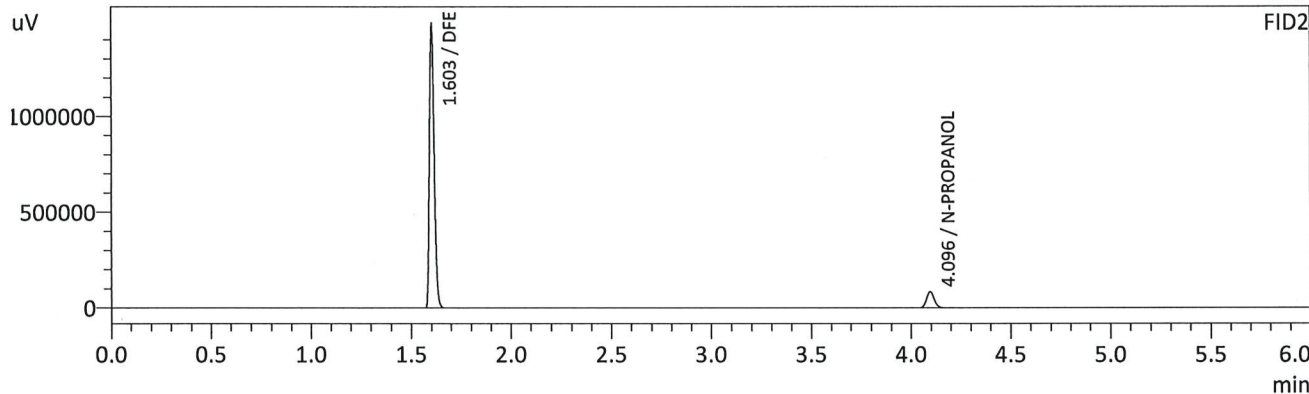
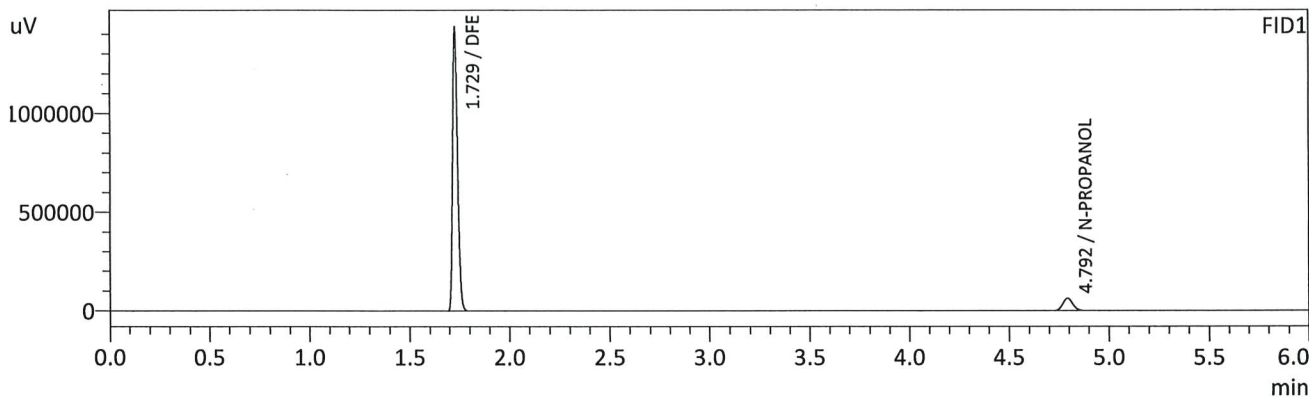
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	33775	13902
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180066	50867
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0887	g/100cc	34015	16247
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184122	68730
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

hc

Sample Name : DFE
 Vial # : 40
 Data Filename : DFE_6112024_040.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 6:12:41 PM
 Date Processed : 6/11/2024 6:18:43 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	217475	61954
DFE	0.0000	g/100cc	2488391	1430048
TFE	--	g/100cc	--	--

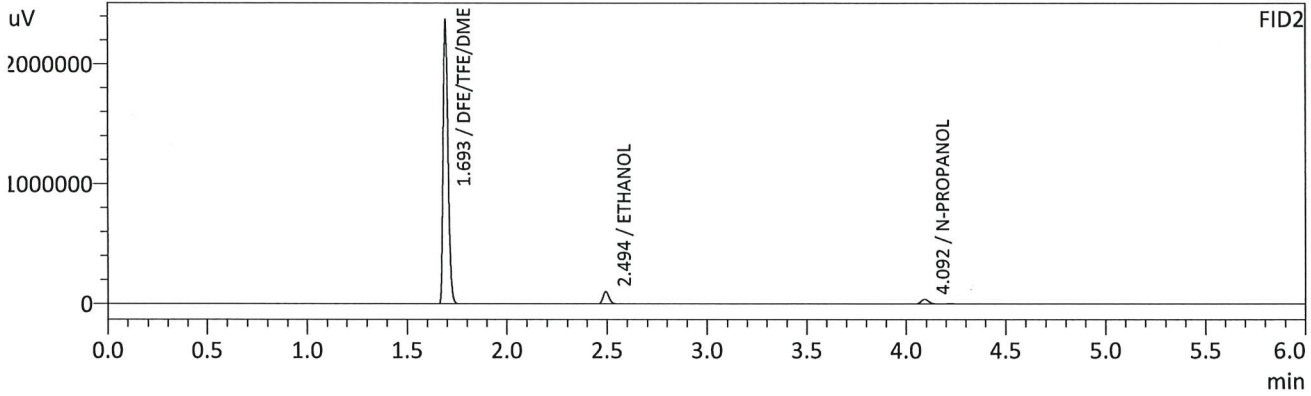
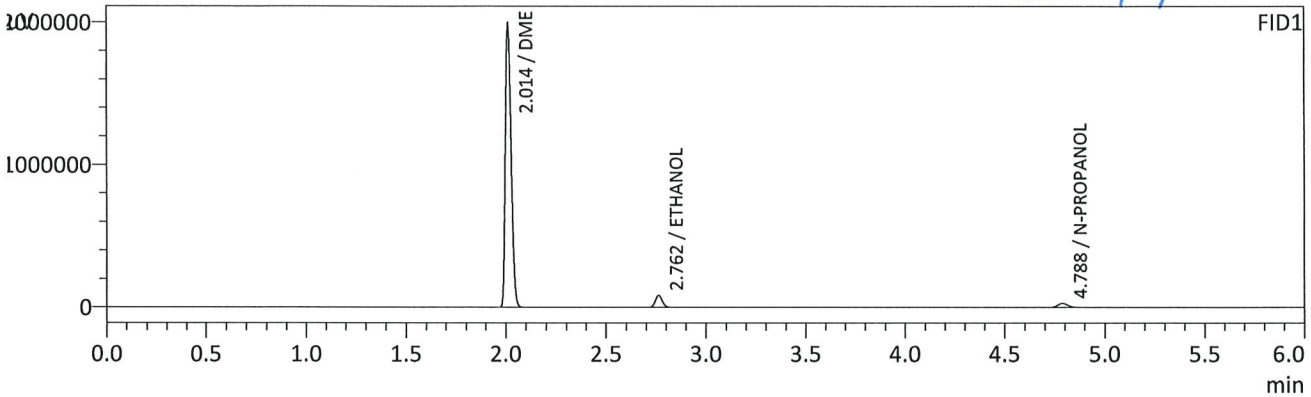
FID2

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	222702	84461
DFE	0.0000	g/100cc	2440229	1478746
TFE	--	g/100cc	--	--

RC

Sample Name : DME
 Vial # : 90
 Data Filename : DME_6122024_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : DFE AND TFE.gcb
 Date Acquired : 6/12/2024 8:23:07 AM
 Date Processed : 6/12/2024 8:40:34 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

*From "Suave" hairspray CRM
 RC 6/12/24*



FID1

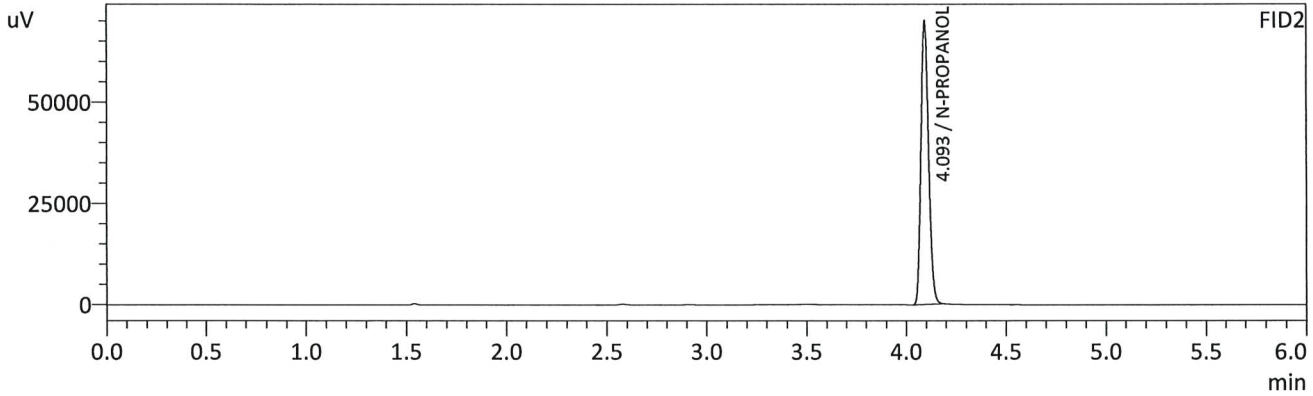
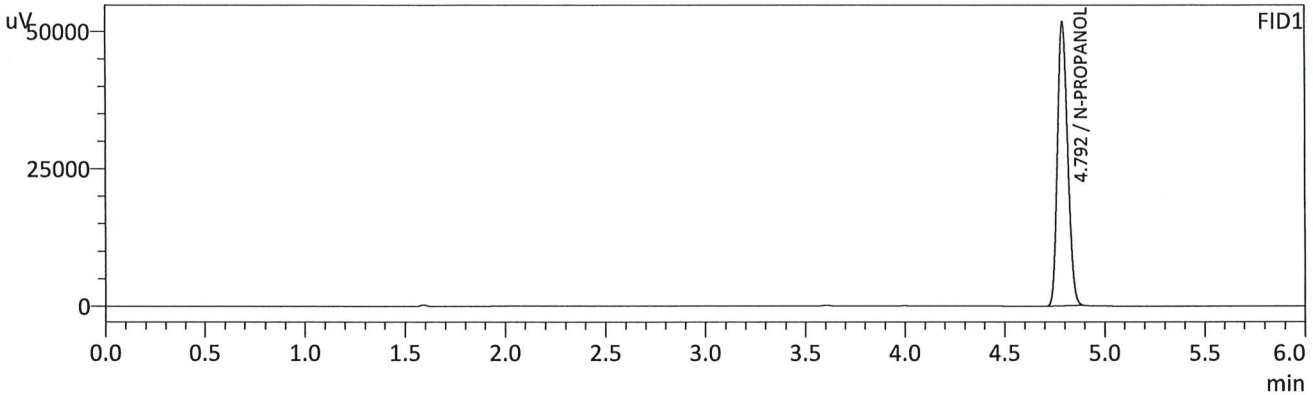
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.9366	g/100cc	203839	84081
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	102644	28786
DFE/TFE	--	g/100cc	--	--
DME	0.0000	g/100cc	4023505	1990473

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0000	g/100cc	207907	100966
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	103457	38149
DFE/TFE/DME	0.0000	g/100cc	4123617	2359596

RC

Sample Name : INT STD BLK 3
 Vial # : 41
 Data Filename : INT STD BLK 3_6112024_041.gcd
 Method Filename : ALCOHOL_053024_RC.gcm
 Batch Filename : BATCH_061124_RC.gcb
 Date Acquired : 6/11/2024 6:22:07 PM
 Date Processed : 6/11/2024 6:28:09 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	182445	51659
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	186557	69408
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

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	P2024-1520-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
9	P2024-1520-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
10	P2024-1522-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
11	P2024-1522-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
12	P2024-1648-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
13	P2024-1648-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
14	P2024-1710-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
15	P2024-1710-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
16	P2024-1712-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
17	P2024-1712-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
18	P2024-1723-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
19	P2024-1723-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
20	P2024-1729-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
21	P2024-1729-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
22	P2024-1740-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
23	P2024-1740-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
24	P2024-1753-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
25	P2024-1753-1-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	P2024-1757-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
29	P2024-1757-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
30	P2024-1769-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
31	P2024-1769-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
32	P2024-1791-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
33	P2024-1791-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
34	P2024-1798-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
35	P2024-1798-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
36	P2024-1812-1	0:Unknown	ALCOHOL_053024_RC.gcm		0
37	P2024-1812-1-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
38	QC1-2	0:Unknown	ALCOHOL_053024_RC.gcm		0
39	QC1-2-B	0:Unknown	ALCOHOL_053024_RC.gcm		0
40	DFE	0:Unknown	ALCOHOL_053024_RC.gcm		0
41	INT STD BLK 3	0:Unknown	ALCOHOL_053024_RC.gcm		0