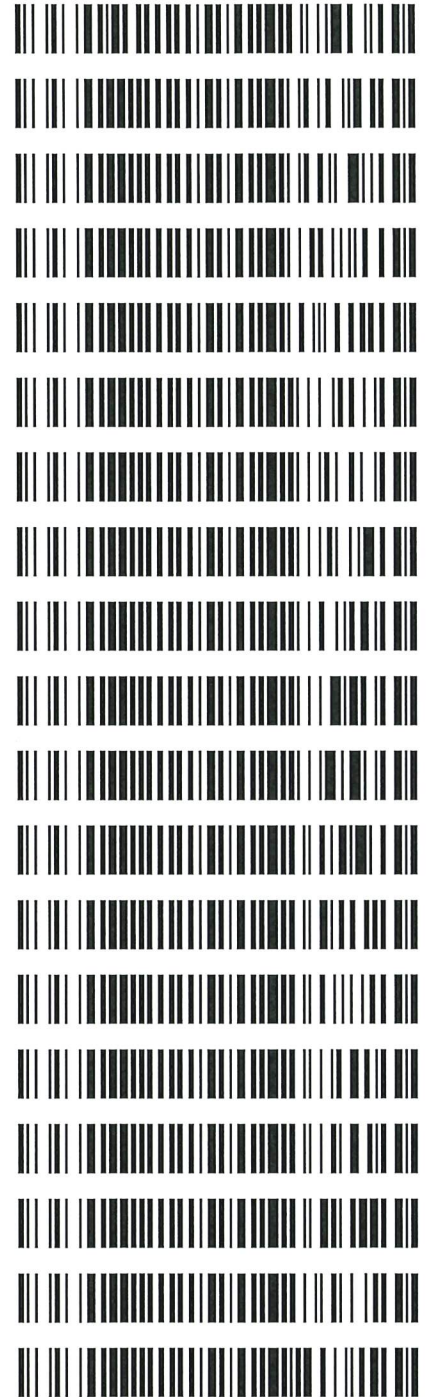


Worklist: 6803

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2024-1645	2	UCK	Alcohol Analysis
P2024-1251	1	BCK	Alcohol Analysis
P2024-1252	1	BCK	Alcohol Analysis
P2024-1253	1	BCK	Alcohol Analysis
P2024-1275	1	BCK	Alcohol Analysis
P2024-1307	1	BCK	Alcohol Analysis
P2024-1308	1	BCK	Alcohol Analysis
P2024-1309	1	BCK	Alcohol Analysis
P2024-1310	1	BCK	Alcohol Analysis
P2024-1311	1	BCK	Alcohol Analysis
* P2024-1312	1	BCK	Alcohol Analysis
P2024-1315	1	BCK	Alcohol Analysis
P2024-1316	1	BCK	Alcohol Analysis
P2024-1317	1	BCK	Alcohol Analysis
P2024-1318	1	BCK	Alcohol Analysis
P2024-1319	2	BCK	Alcohol Analysis
P2024-1324	2	BCK	Alcohol Analysis
P2024-1330	1	BCK	Alcohol Analysis
P2024-1332	1	BCK	Alcohol Analysis



* Re-analyzing with next batch.
RC 5/8/24

REVIEWED

By Jeremy Johnston at 11:29 am, May 08, 2024

JJC

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):

05/07/24

Calibration Date: (if different) :

Worklist #:

6803

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0824 g/100cc
					0.0895 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2057 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:			Column 1	0.99994	Column2 0.99989

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0517	0.0006	0.0514
100	0.100	0.090 - 0.110	0.1005	0.1002	0.0003	0.1003
200	0.200	0.180 - 0.220	0.1986	0.1982	0.0004	0.1984
300	0.300	0.270 - 0.330	0.2983	0.2979	0.0004	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5016	0.0004	0.5014

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 #:	6803	Run Date(s):	05/07/24
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Internal Standard Solution:	Prep Date: 3/22/2024	Exp Date: 9/22/2024
-----------------------------	----------------------	---------------------

Sample Name	Column 1 Value	Column 2 Value
0.080	163381	163856
0.080	164044	164420
QC1	166102	166584
QC1	165470	165847
QC1	172214	175560
QC1	173267	176542
QC1		
QC1		
QC2	161194	162719
QC2	164846	166487
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	166314.8	133051.8	199577.7
Column 2	167751.9	134201.5	201302.3



Revision: 5

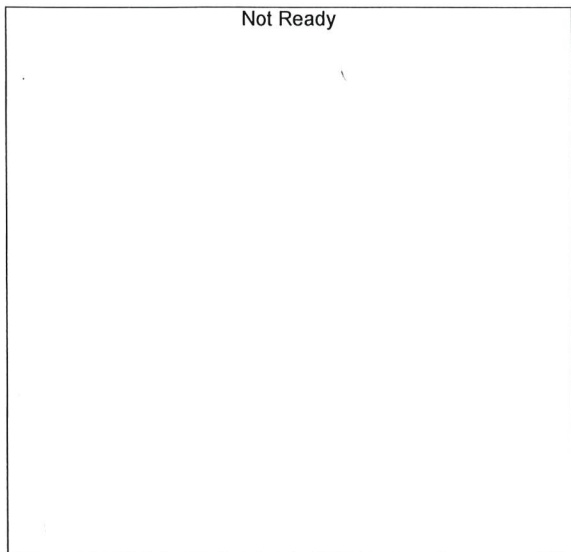
Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Calibration Table

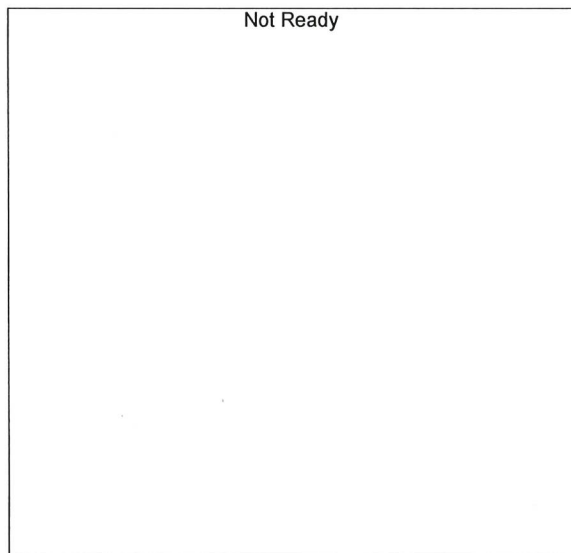
Laboratory: Pocatello
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
 Method File :Default Project - ALCOHOL_050724_RC.gcm
 Batch File :Default Project - BATCH_050724_RC.gcb
 Date Acquired :5/7/2024 3:53:46 PM
 Date Created :5/7/2024 3:50:19 PM
 Date Modified :5/7/2024 3:59:48 PM



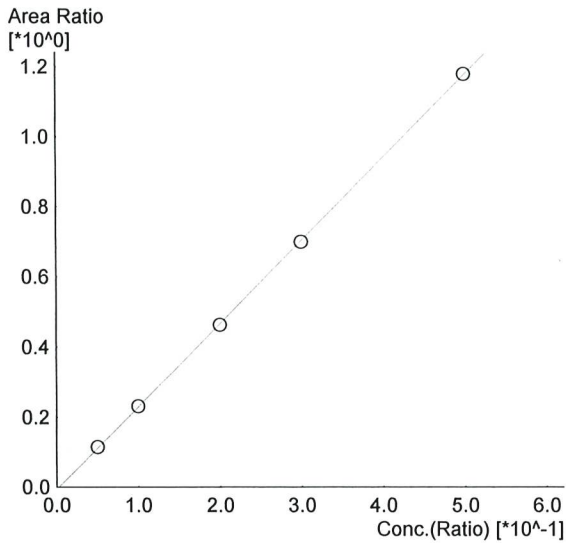
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



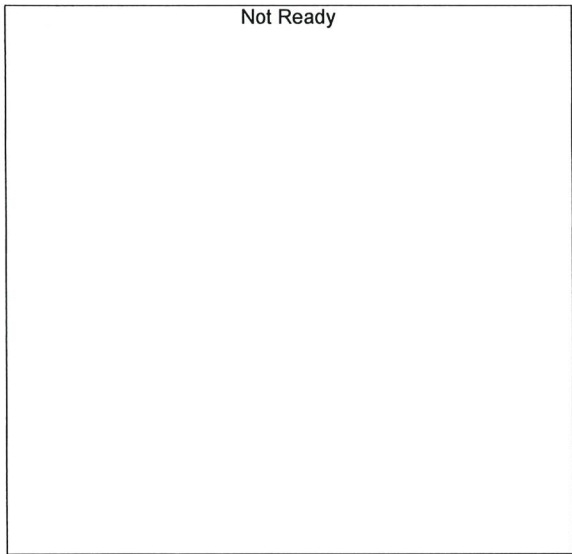
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



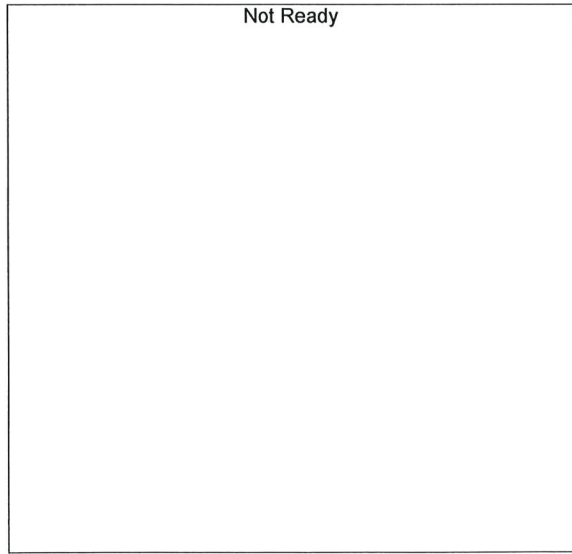
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.36323*x-0.00688428$
 R² value= 0.9999401 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18710	0.0511	0.050_572024_001.gcd
2	0.100	37930	0.1005	0.100_572024_002.gcd
3	0.200	76999	0.1986	0.200_572024_003.gcd
4	0.300	116317	0.2983	0.300_572024_004.gcd
5	0.500	196897	0.5012	0.500_572024_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
---	-------	------	------------	----------------

Not Ready

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

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

Not Ready

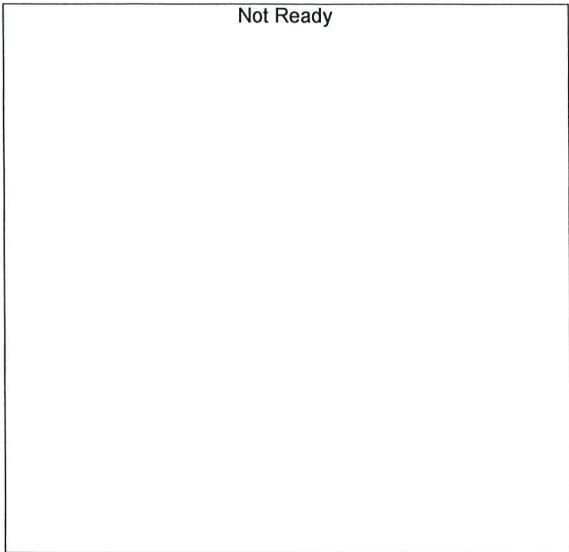
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

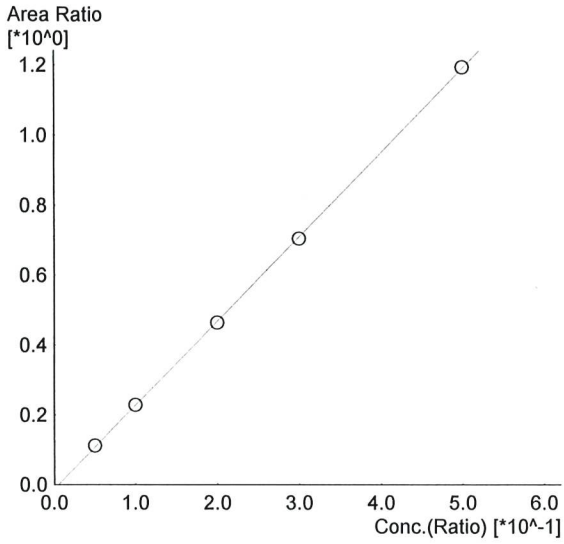
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.40490*x-0.0127727$
 R² value= 0.9998977 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18559	0.0517	0.050_572024_001.gcd
2	0.100	37882	0.1002	0.100_572024_002.gcd
3	0.200	77723	0.1982	0.200_572024_003.gcd
4	0.300	117921	0.2979	0.300_572024_004.gcd
5	0.500	200705	0.5016	0.500_572024_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
---	-------	------	------------	----------------

JRC

Not Ready

Name : ISOPROPYLALCOHOL
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

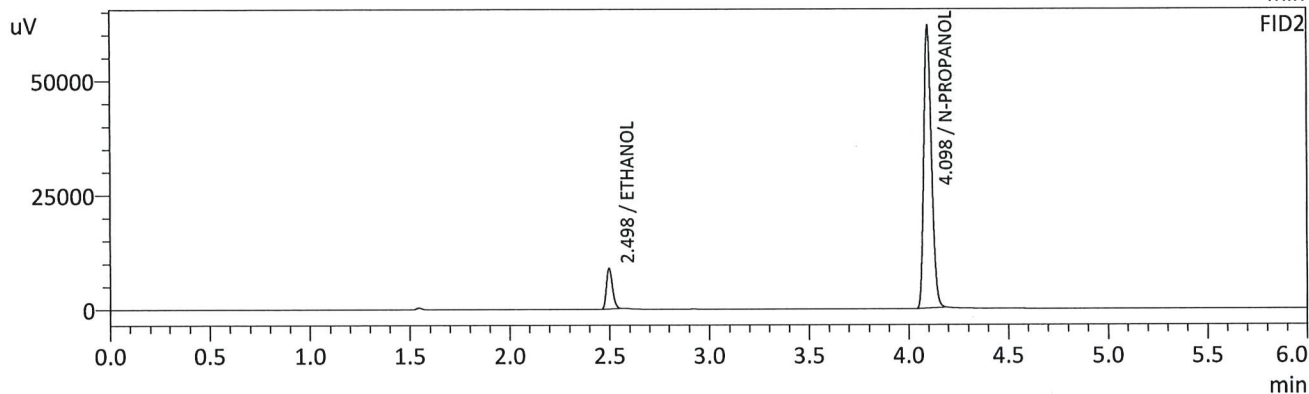
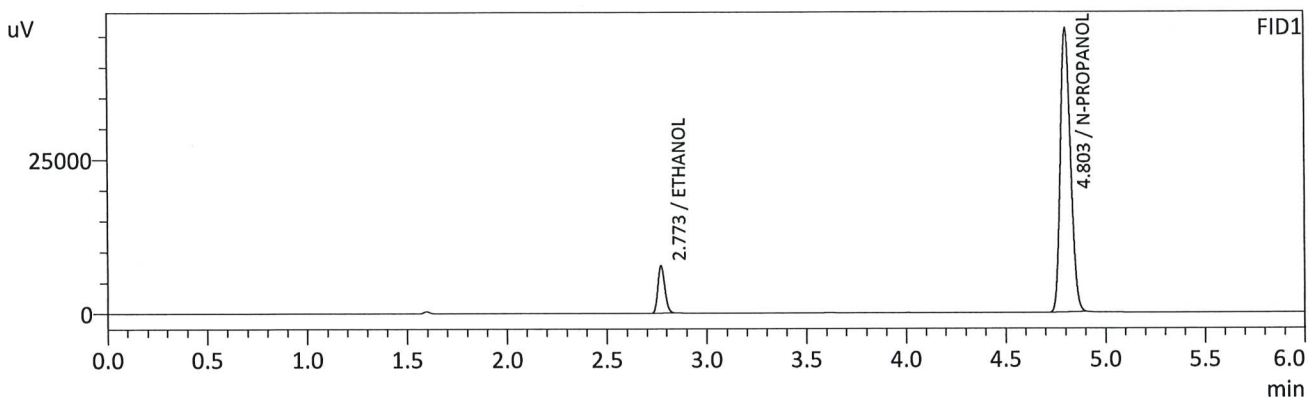
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

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_572024_001.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 3:15:40 PM
 Date Processed : 5/8/2024 8:55:51 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

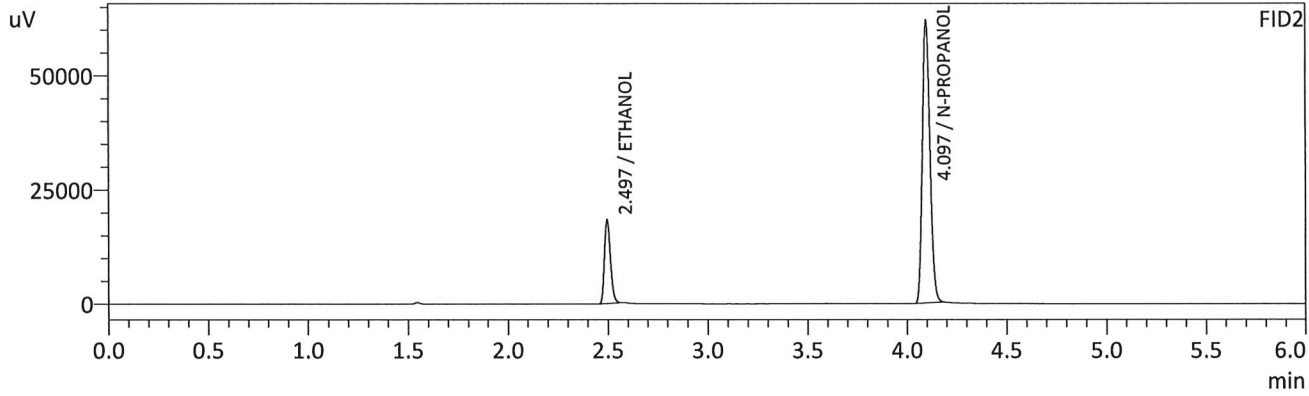
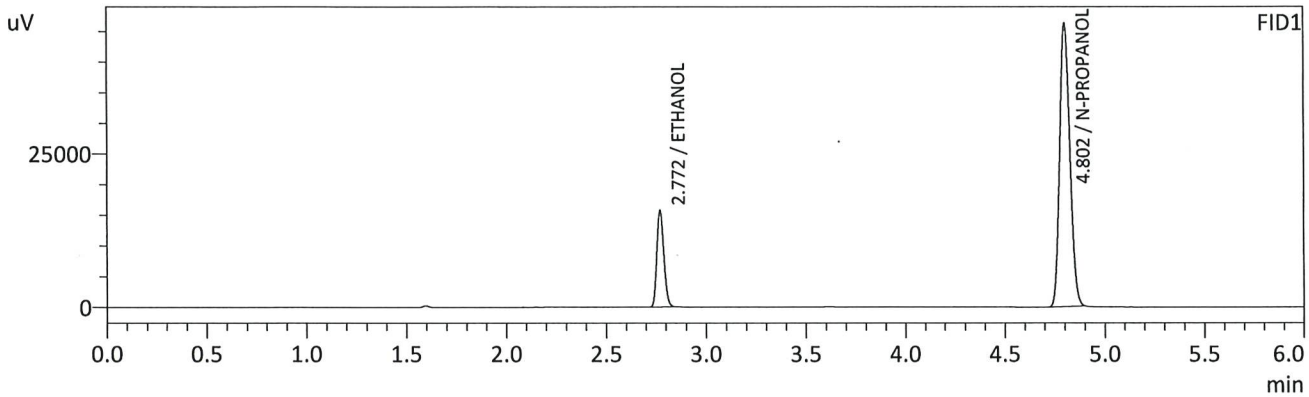
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	18710	7671
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164140	46054
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	18559	8857
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166032	61462
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_572024_002.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 3:25:09 PM
 Date Processed : 5/8/2024 8:55:55 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

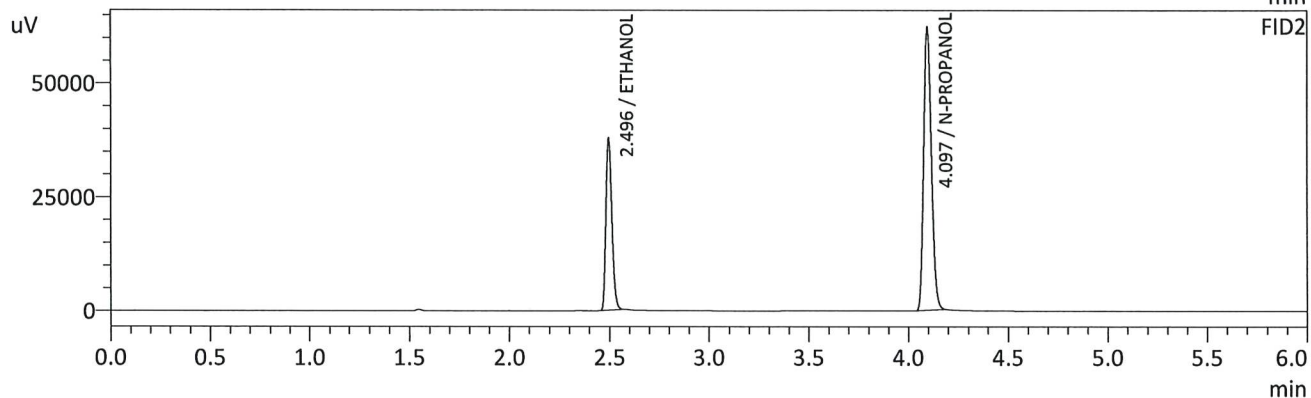
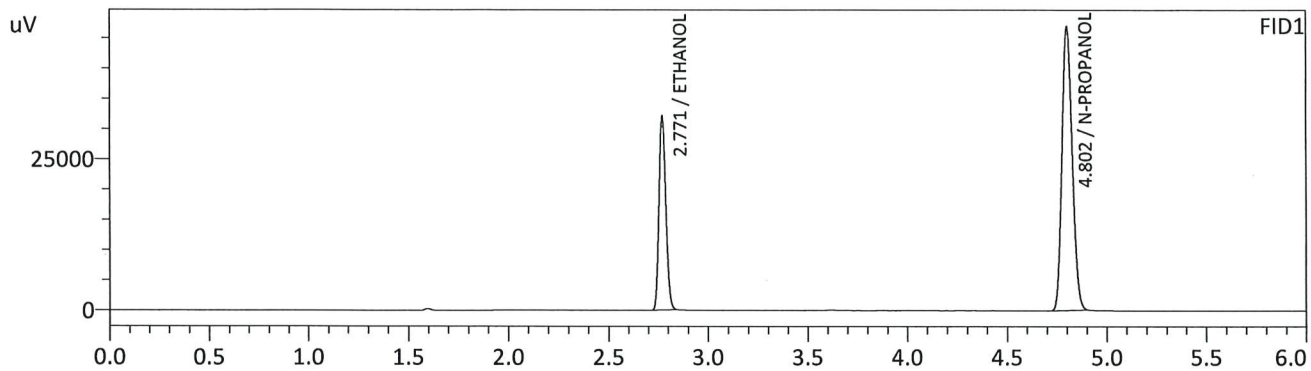
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	37930	15619
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164430	46097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	37882	18183
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165841	61731
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_572024_003.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 3:34:31 PM
 Date Processed : 5/8/2024 8:55:58 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

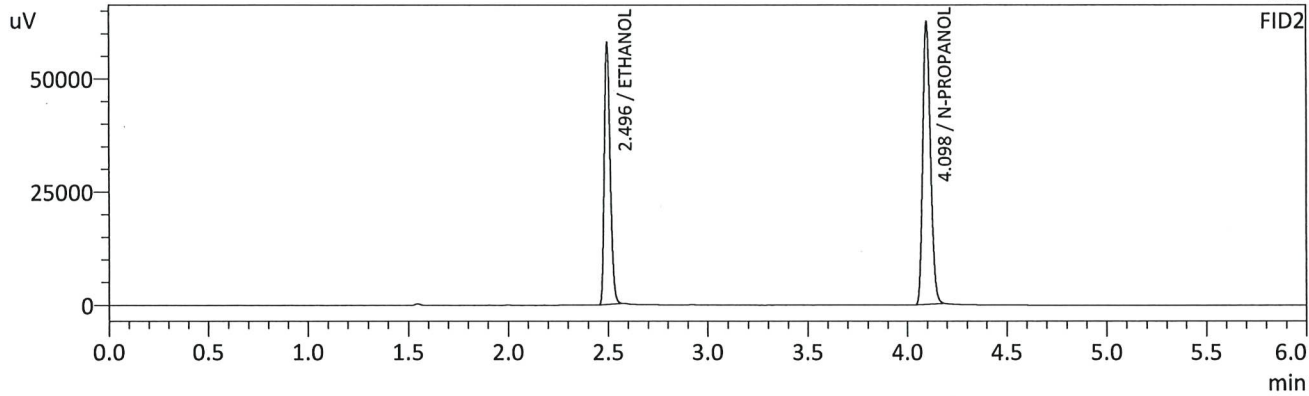
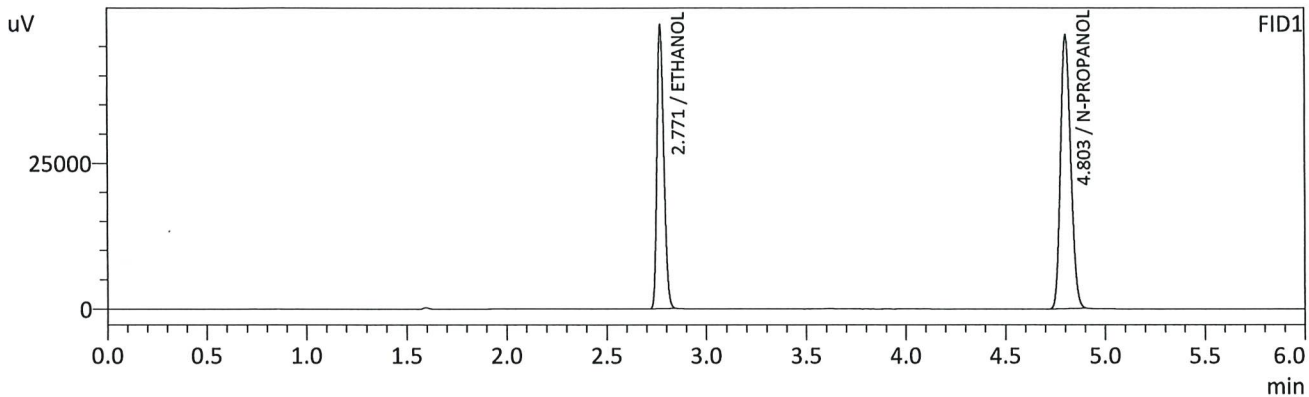
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	76999	32027
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166447	46753
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	77723	37710
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167502	62048
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_572024_004.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 3:44:16 PM
 Date Processed : 5/8/2024 8:56:01 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

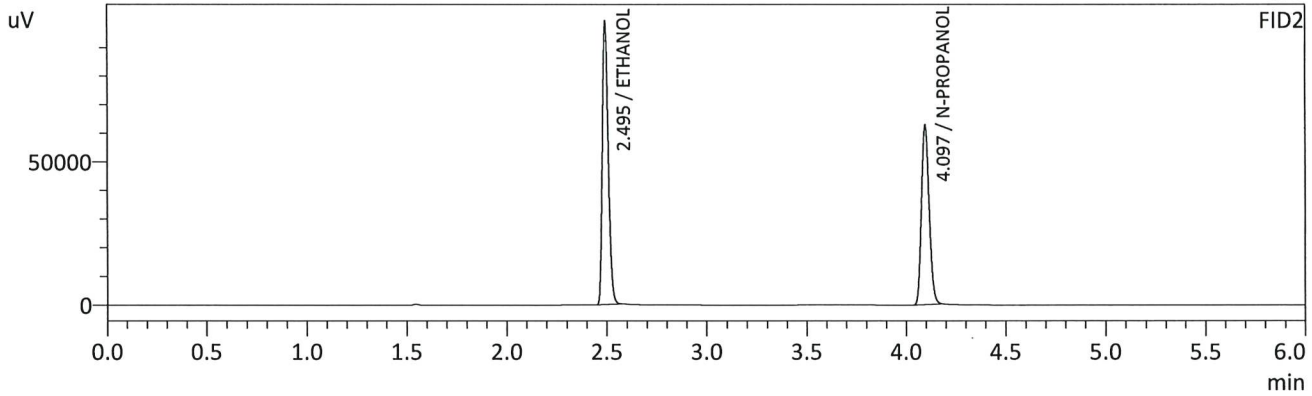
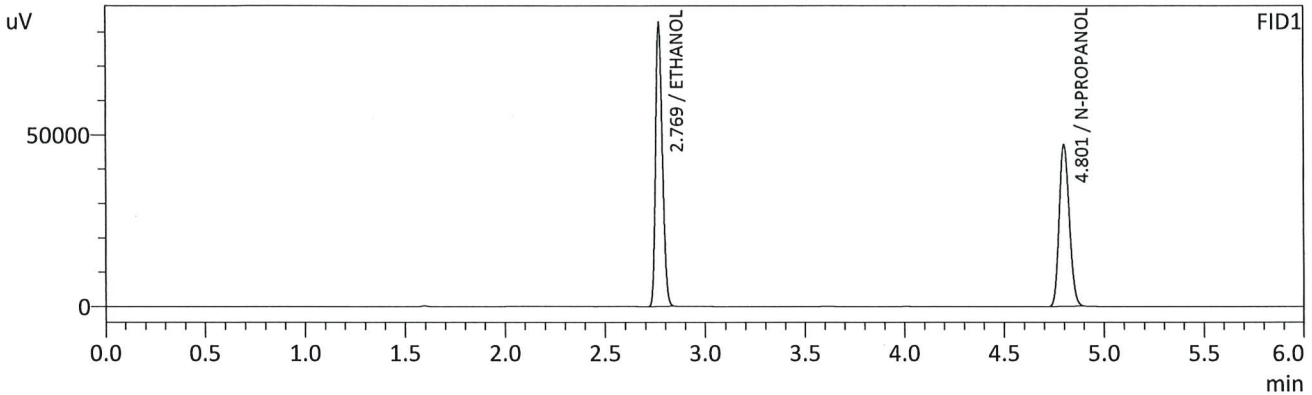
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	116317	48531
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166583	46835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2979	g/100cc	117921	57563
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167530	62146
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_572024_005.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 3:53:46 PM
 Date Processed : 5/7/2024 3:59:48 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

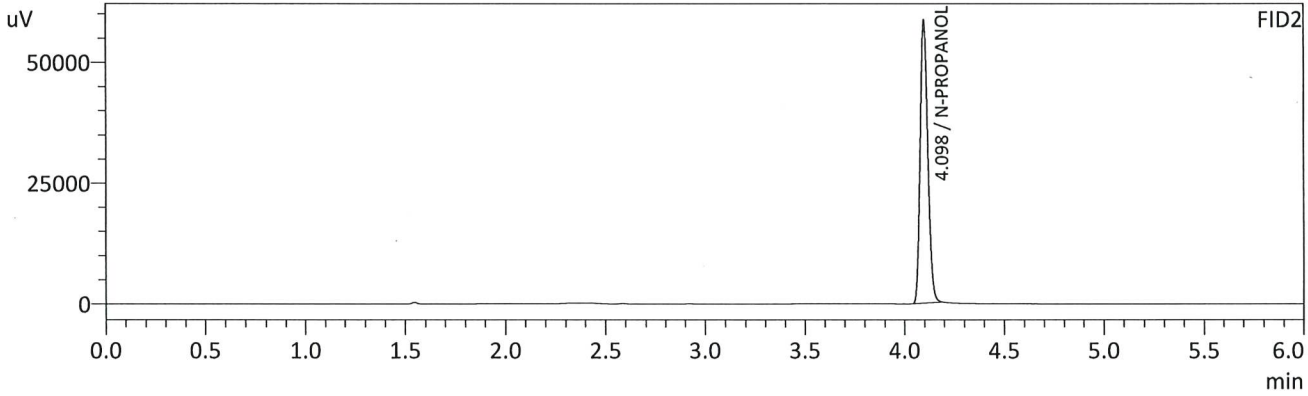
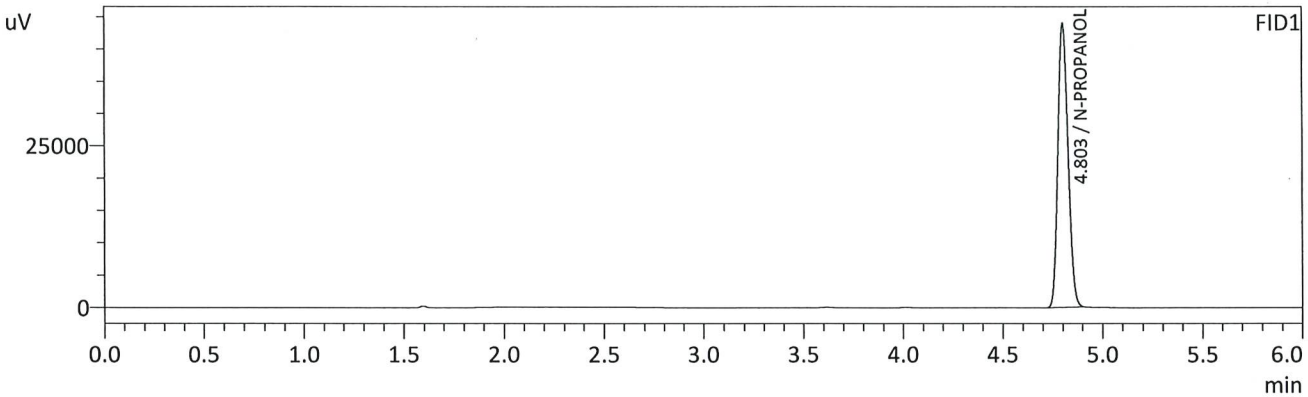
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	196897	82531
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167177	47080
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	200705	98772
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168141	62507
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_572024_006.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:03:04 PM
 Date Processed : 5/7/2024 4:09:06 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

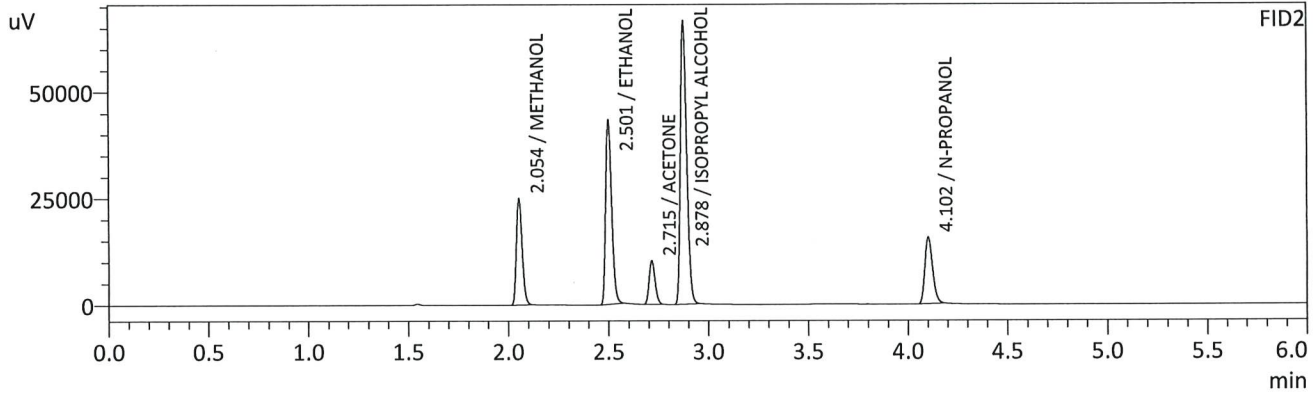
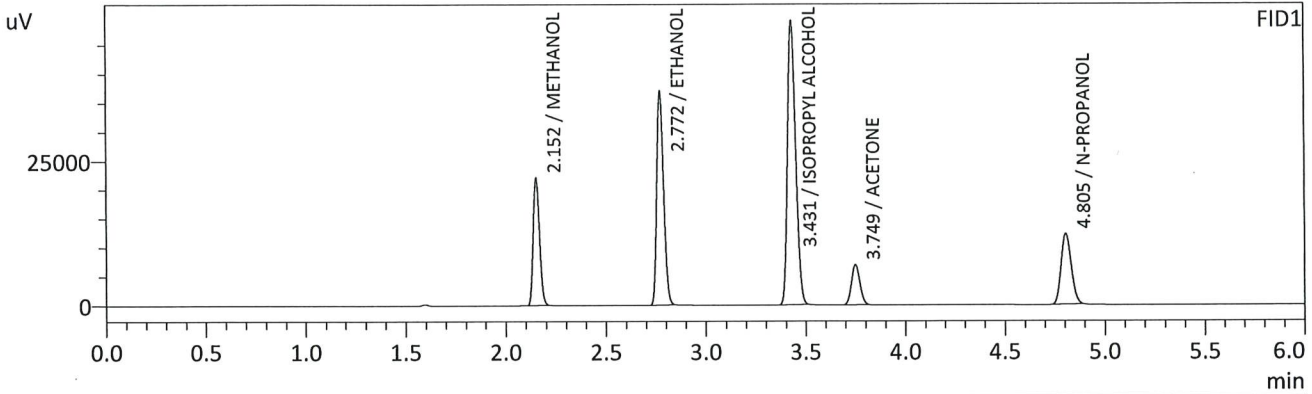
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156033	43798
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	156435	58080
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_572024_007.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:12:47 PM
 Date Processed : 5/7/2024 4:18:48 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

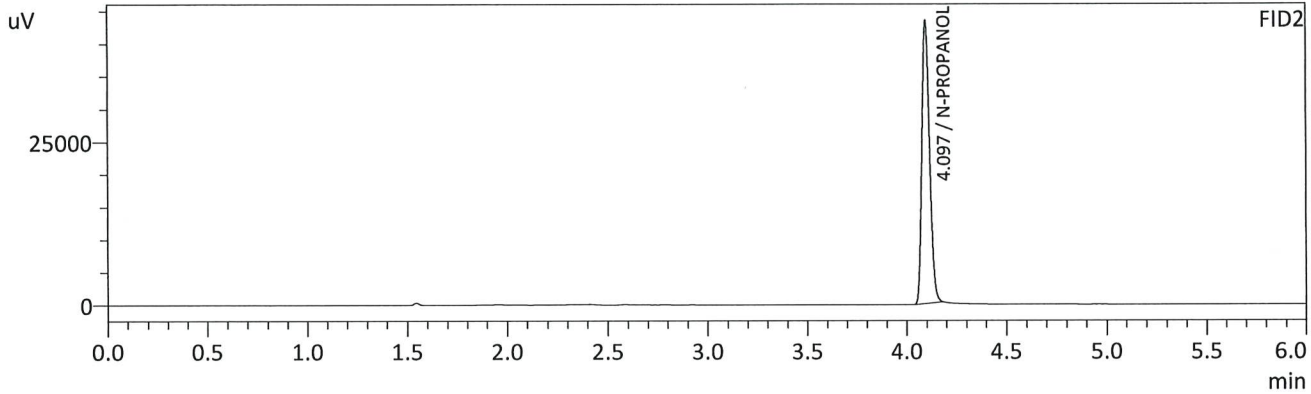
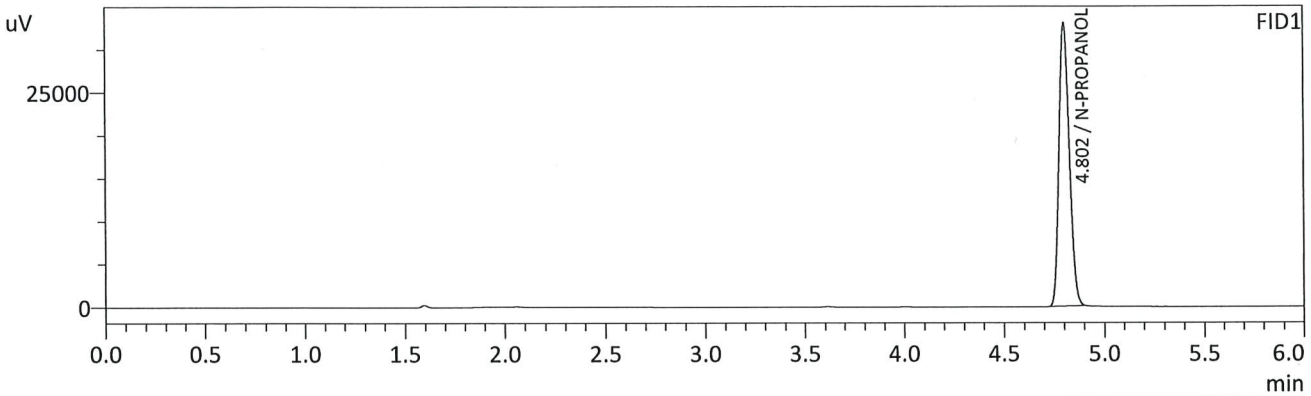
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	47897	21800
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.8757	g/100cc	89063	36691
ISOPROPYL ALCOHOL	0.0000	g/100cc	139934	48799
ACETONE	0.0000	g/100cc	20217	6909
N-PROPANOL	0.0000	g/100cc	43178	12168
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	49419	24584
ETHANOL	0.8873	g/100cc	89289	42835
ACETONE	0.0000	g/100cc	21180	10099
ISOPROPYL ALCOHOL	0.0000	g/100cc	143581	66305
N-PROPANOL	0.0000	g/100cc	42095	15423
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_572024_008.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:22:20 PM
 Date Processed : 5/7/2024 4:28:23 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	116909	32809
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	116308	43158
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 5/7/2024 4:31:39 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0824	0.0824	0.0000	0.0824	0.0000	0.0824
(g/100cc)	0.0825	0.0824	0.0001	0.0824		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

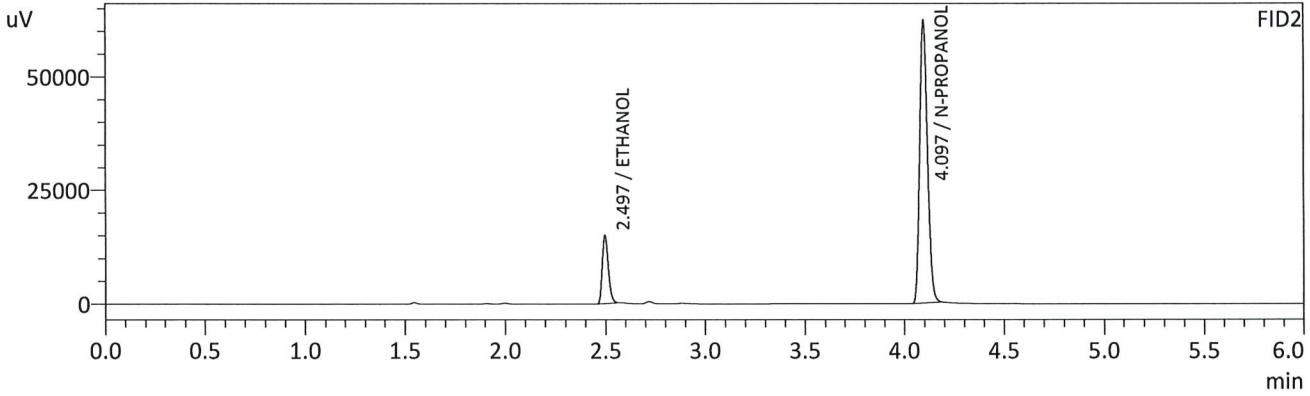
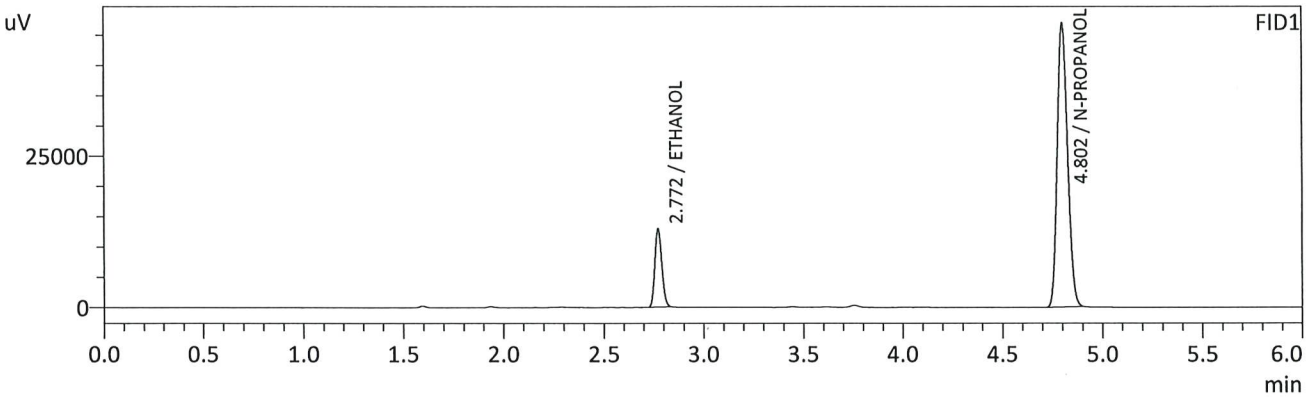
Refer To Instrument Method: ALCOHOL_050724_RC.gcm

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 : QC1-1
 Vial # : 9
 Data Filename : QC1-1_572024_009.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:31:39 PM
 Date Processed : 5/7/2024 4:37:41 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

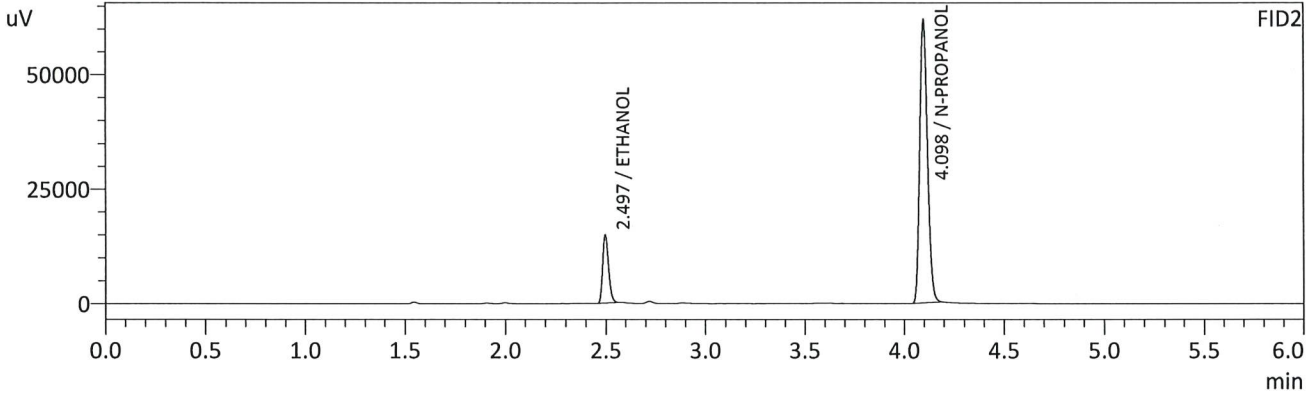
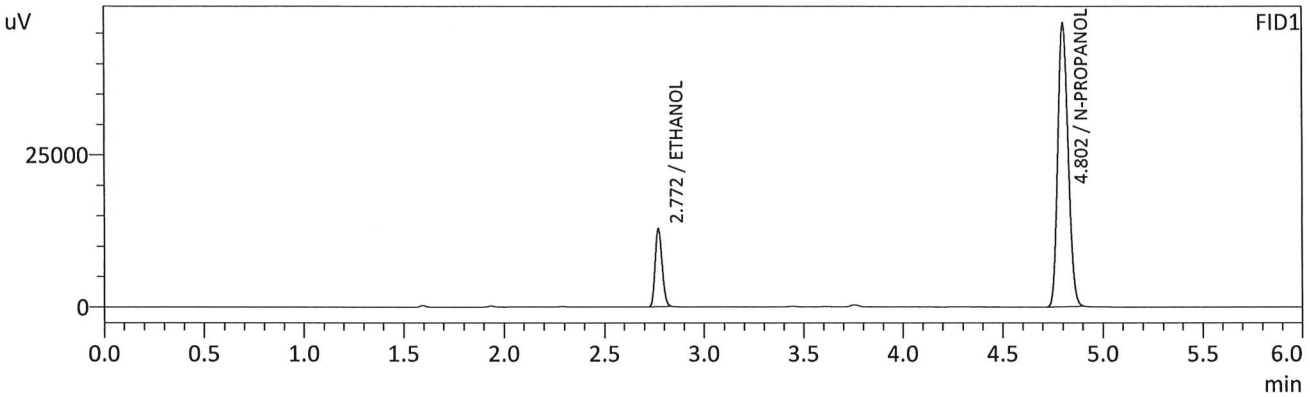
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	31225	12874
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166102	46814
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	30884	14708
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166584	61823
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_572024_010.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:41:25 PM
 Date Processed : 5/7/2024 4:47:27 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	31137	12828
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165470	46443
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	30748	14637
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165847	61532
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 5/7/2024 4:50:56 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0808	0.0001	0.0808	0.0003	0.0810
(g/100cc)	0.0813	0.0810	0.0003	0.0811		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

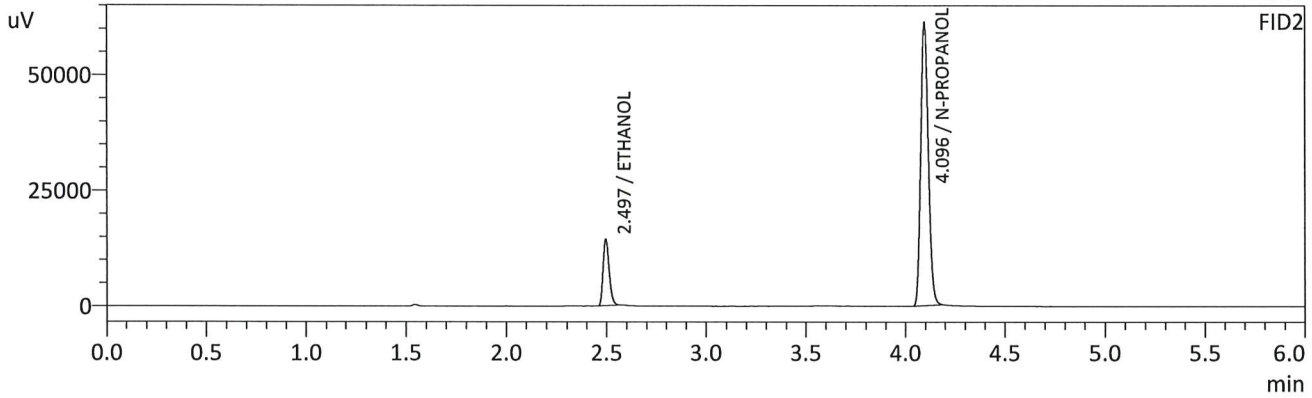
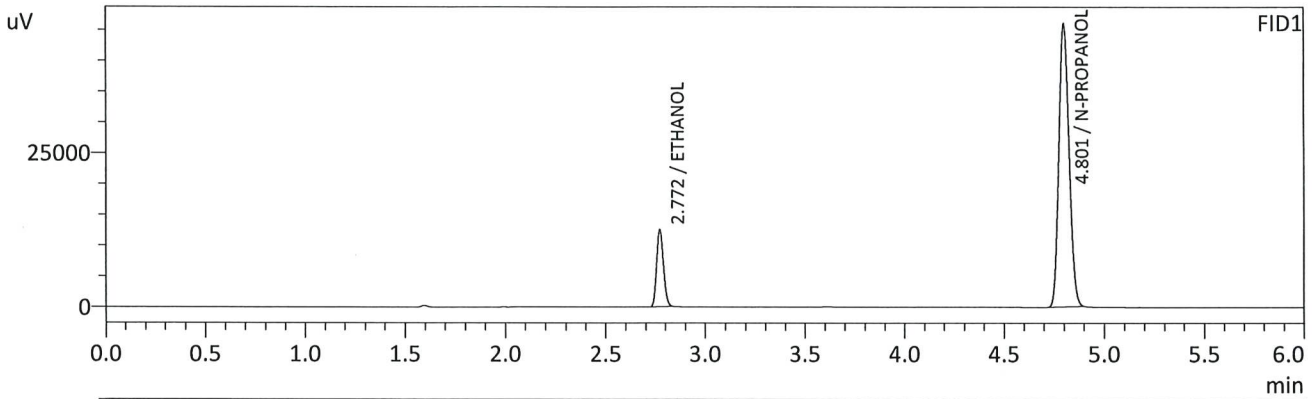
Refer To Instrument Method: ALCOHOL_050724_RC.gcm

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_572024_011.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 4:50:56 PM
 Date Processed : 5/7/2024 4:56:57 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

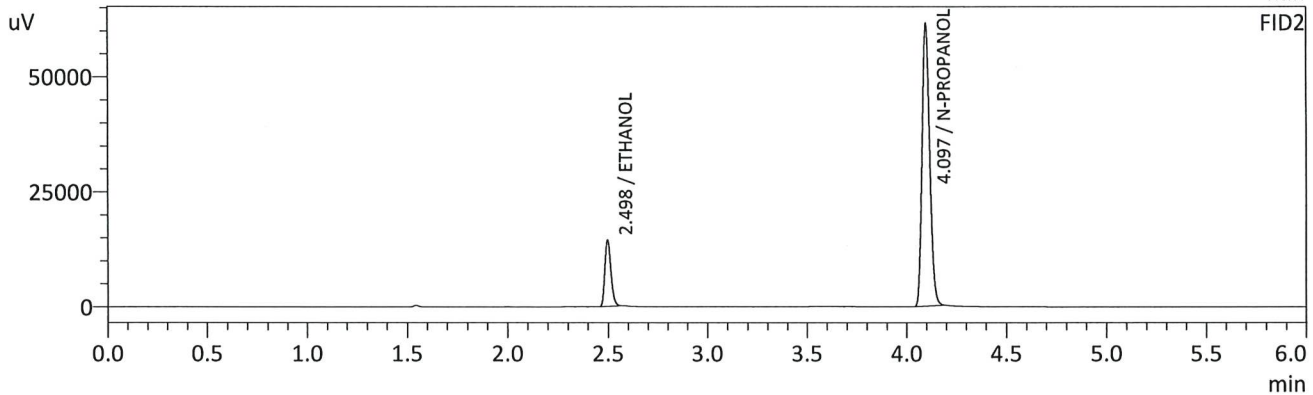
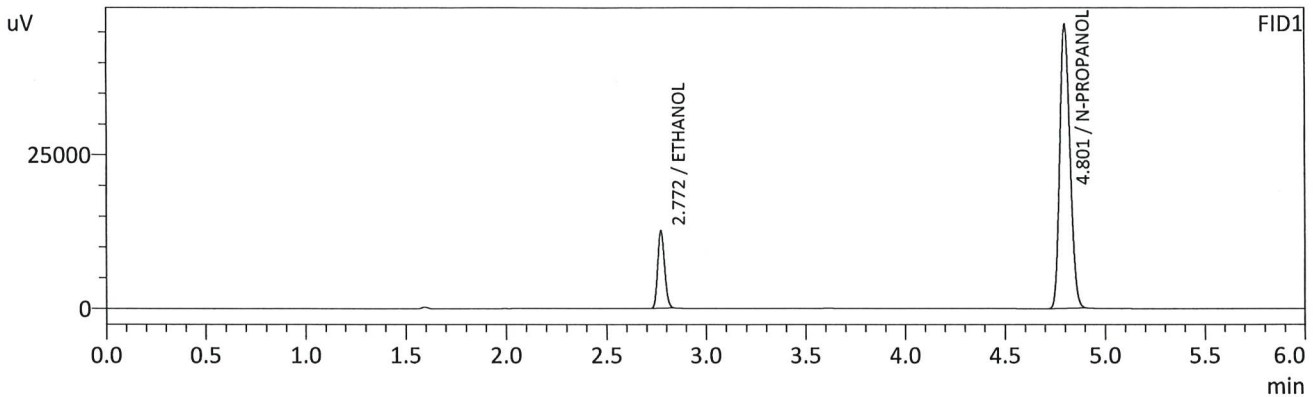
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	30136	12423
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163381	45973
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	29786	14161
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163856	61237
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_572024_012.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 5:00:13 PM
 Date Processed : 5/7/2024 5:06:15 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	30405	12501
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164044	46179
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	29935	14305
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164420	61061
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 5/7/2024 8:01:21 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2065	0.2058	0.0007	0.2061	0.0008	0.2057
(g/100cc)	0.2056	0.2051	0.0005	0.2053		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

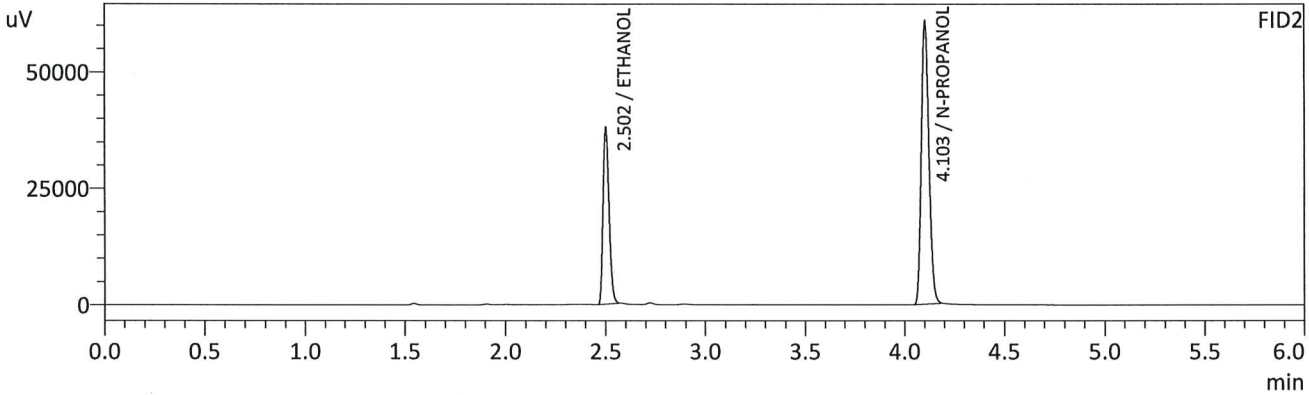
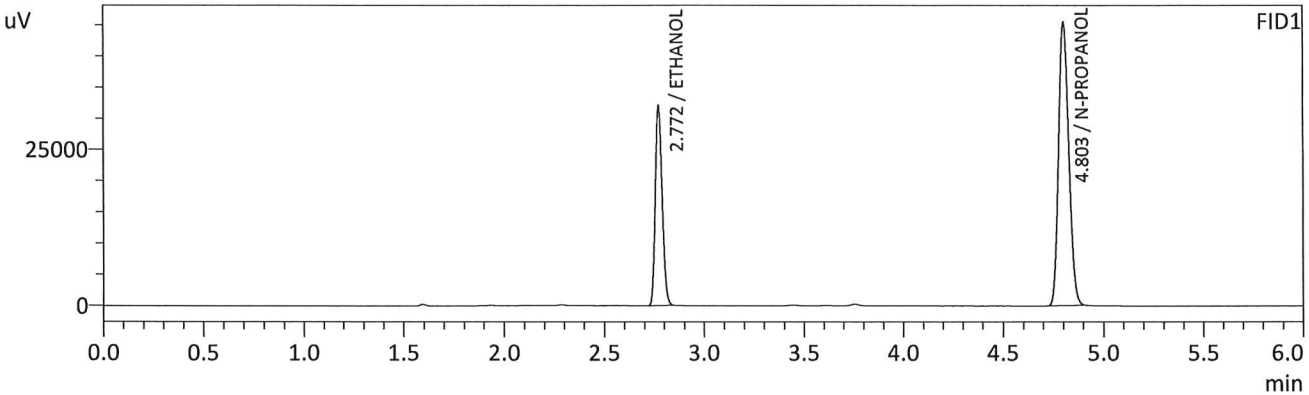
Refer To Instrument Method: ALCOHOL_050724_RC.gcm

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.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_572024_031.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 8:01:21 PM
 Date Processed : 5/7/2024 8:07:22 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

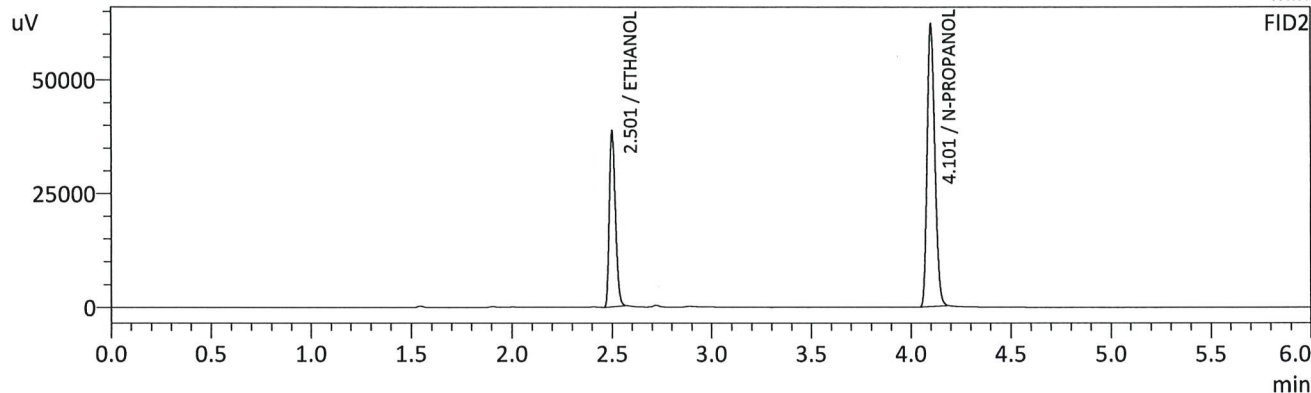
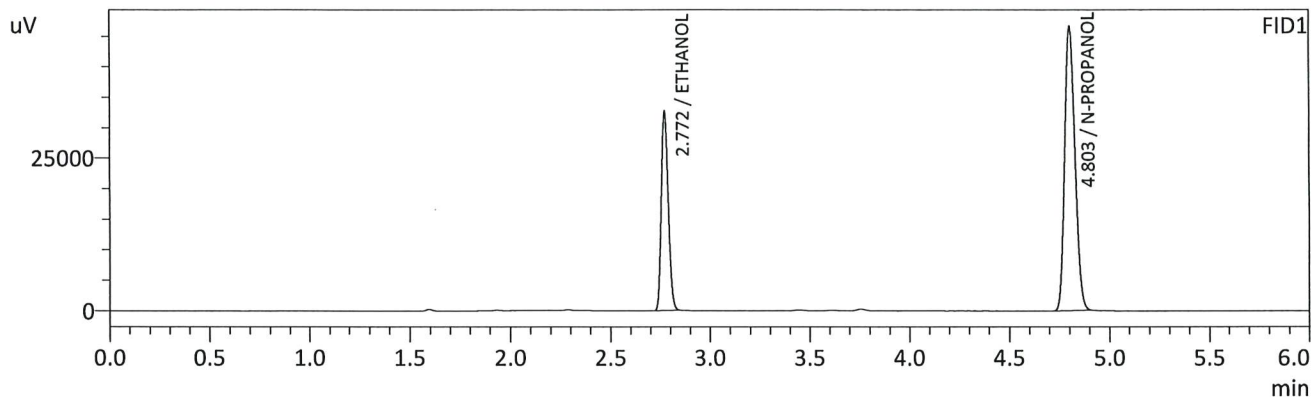
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2065	g/100cc	77566	31779
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161194	45366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2058	g/100cc	78477	37574
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162719	60459
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_572024_032.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 8:10:53 PM
 Date Processed : 5/7/2024 8:16:55 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2056	g/100cc	78971	32398
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164846	46476
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2051	g/100cc	80002	38209
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166487	61921
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 5/7/2024 11:30:52 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0895	0.0891	0.0004	0.0893	0.0004	0.0895
(g/100cc)	0.0899	0.0895	0.0004	0.0897		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

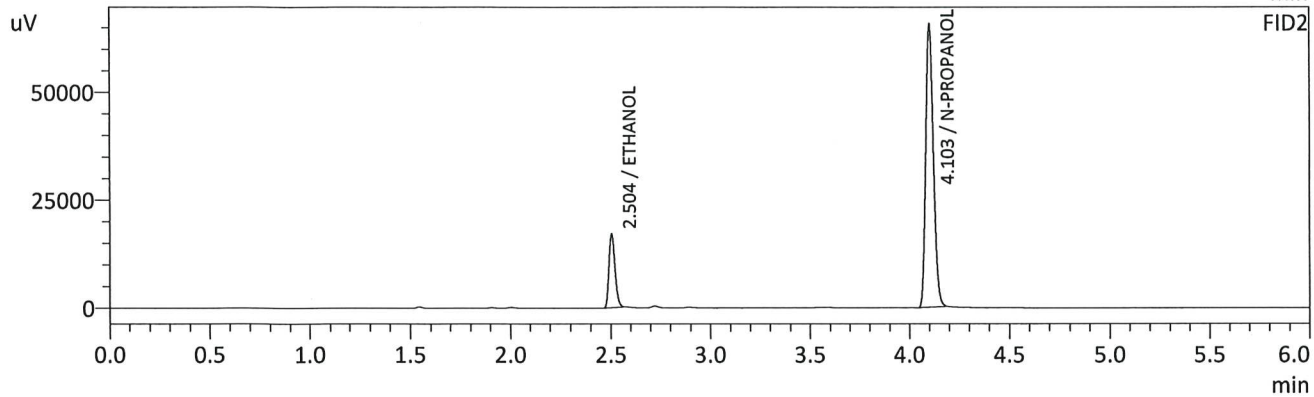
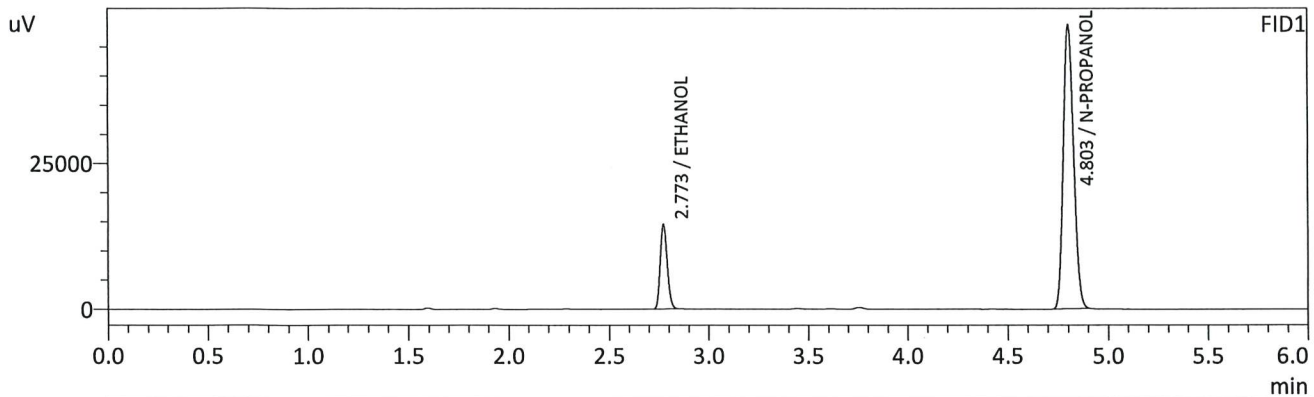
Refer To Instrument Method: ALCOHOL_050724_RC.gcm

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_572024_053.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 11:30:52 PM
 Date Processed : 5/7/2024 11:36:55 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



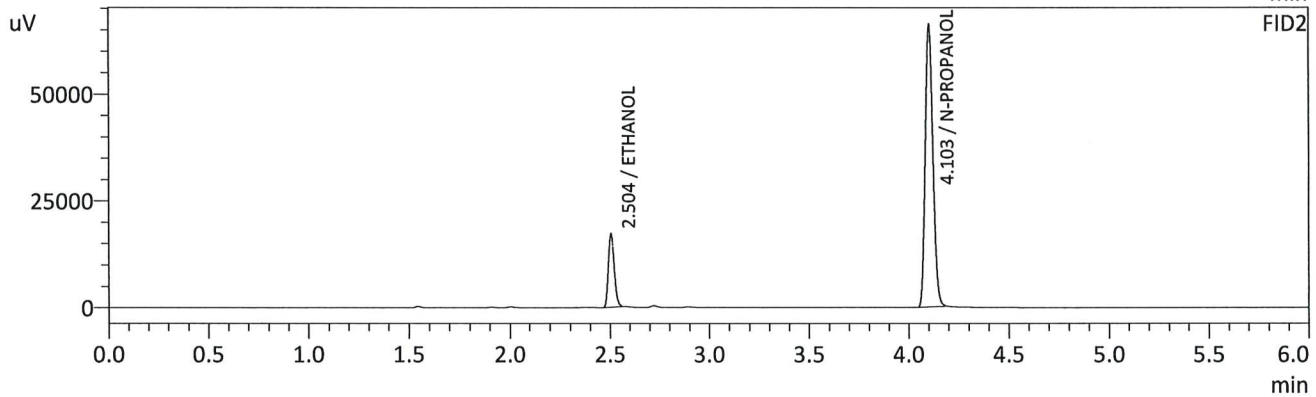
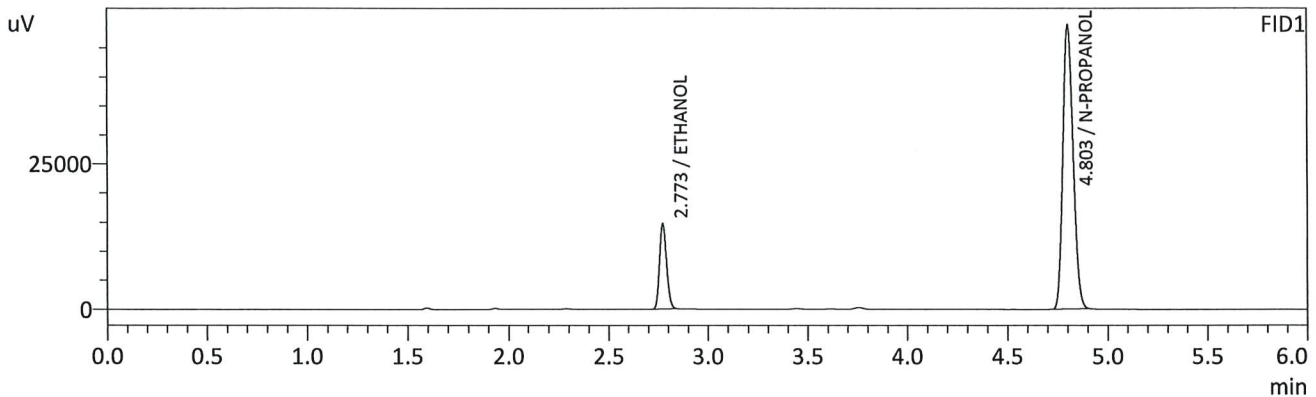
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0895	g/100cc	35248	14454
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172214	48596
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0891	g/100cc	35411	17025
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175560	65225
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_572024_054.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 11:40:09 PM
 Date Processed : 5/7/2024 11:46:09 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

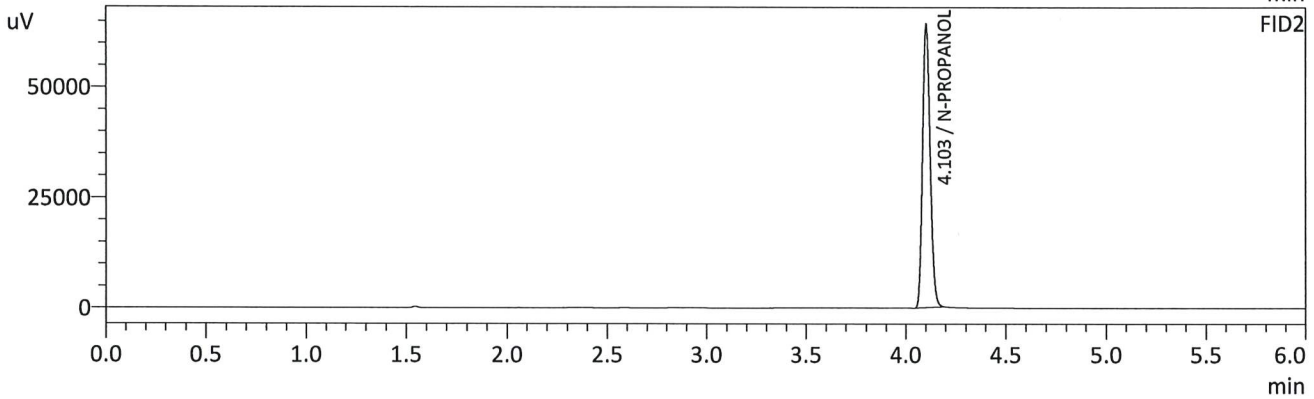
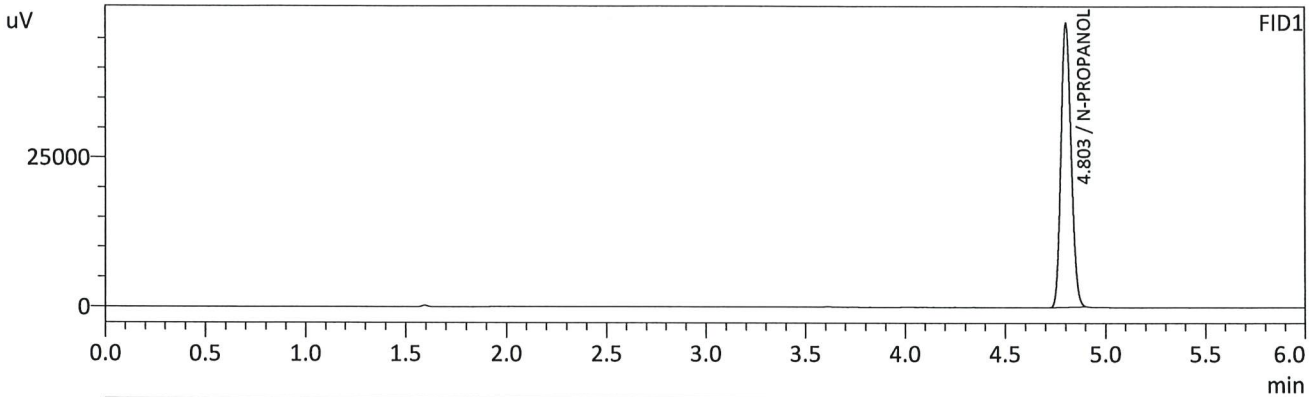
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0899	g/100cc	35649	14608
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173267	48714
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0895	g/100cc	35773	17193
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176542	65632
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_572024_055.gcd
 Method Filename : ALCOHOL_050724_RC.gcm
 Batch Filename : BATCH_050724_RC.gcb
 Date Acquired : 5/7/2024 11:50:00 PM
 Date Processed : 5/7/2024 11:56:02 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	168619	47461
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	171842	64101
DFE	--	g/100cc	--	--
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_050724_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_050724_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_050724_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_050724_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_050724_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_050724_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_050724_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_050724_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_050724_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_050724_RC.gcm		0
13	P2024-1251-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
14	P2024-1251-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
15	P2024-1252-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
16	P2024-1252-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
17	P2024-1253-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
18	P2024-1253-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
19	P2024-1275-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
20	P2024-1275-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
21	P2024-1307-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
22	P2024-1307-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
23	P2024-1308-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
24	P2024-1308-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
25	P2024-1309-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
26	P2024-1309-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
27	P2024-1310-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
28	P2024-1310-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
29	P2024-1311-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
30	P2024-1311-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
33	P2024-1312-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
34	P2024-1312-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
35	P2024-1315-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
36	P2024-1315-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
37	P2024-1316-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
38	P2024-1316-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
39	P2024-1317-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
40	P2024-1317-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
41	P2024-1318-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
42	P2024-1318-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
43	P2024-1319-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
44	P2024-1319-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
45	P2024-1324-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
46	P2024-1324-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
47	P2024-1330-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
48	P2024-1330-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
49	P2024-1332-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
50	P2024-1332-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
51	M2024-1645-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
52	M2024-1645-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_050724_RC.gcm		0