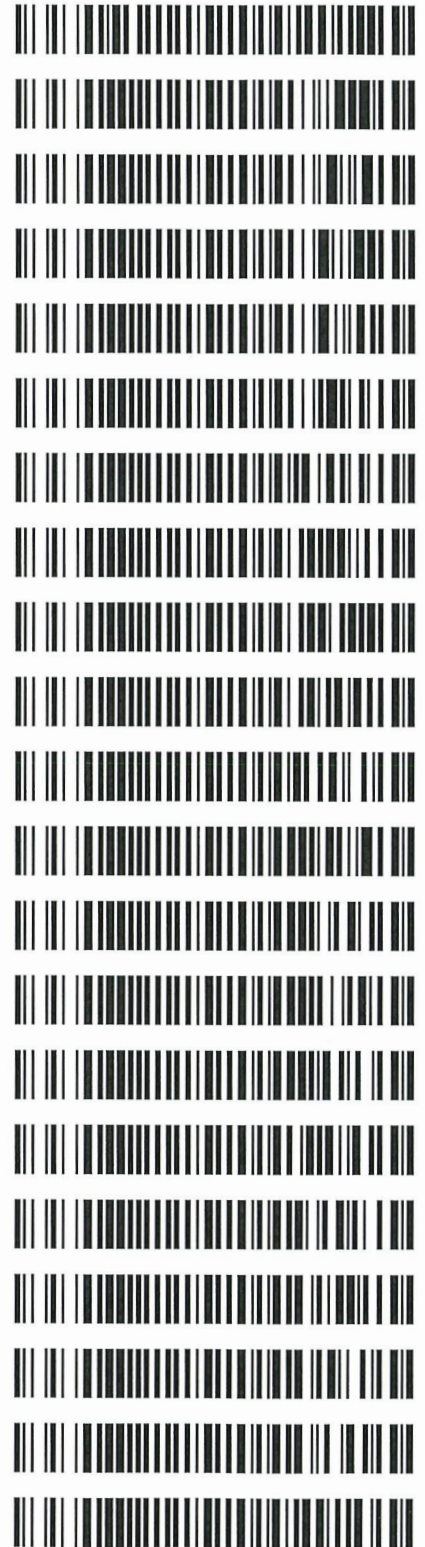


Worklist: 6978

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2024-4794	2	BCK	Alcohol Analysis
P2024-3397	1	BCK	Alcohol Analysis
P2024-3398	1	BCK	Alcohol Analysis
P2024-3399	1	BCK	Alcohol Analysis
P2024-3400	1	BCK	Alcohol Analysis
P2024-3401	1	BCK	Alcohol Analysis
P2024-3402	1	BCK	Alcohol Analysis
P2024-3435	1	BCK	Alcohol Analysis
P2024-3436	1	BCK	Alcohol Analysis
P2024-3437	1	BCK	Alcohol Analysis
P2024-3447	1	BCK	Alcohol Analysis
P2024-3469	1	BCK	Alcohol Analysis
P2024-3471	1	BCK	Alcohol Analysis
P2024-3472	1	BCK	Alcohol Analysis
P2024-3474	1	BCK	Alcohol Analysis
P2024-3476	1	BCK	Alcohol Analysis
P2024-3478	1	BCK	Alcohol Analysis
P2024-3489	1	BCK	Alcohol Analysis
P2024-3490	1	BCK	Alcohol Analysis
P2024-3496	1	BCK	Alcohol Analysis
P2024-3540	1	BCK	Alcohol Analysis



JRC
1

Worklist: 6978

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2024-3551	2	BCK	Alcohol Analysis



CR

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): 11/21/24

Calibration Date: (if different) : 11/14/24

Worklist #: 6978

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0817 g/100cc
					0.0880 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2045 g/100cc
					0.2125 g/100cc
Multi-Component mixture:		Exp:	2028 May	Lot # FN02162310	OK
Curve Fit:		Column 1	0.99994	Column2	0.99991

Ethanol Calibration Reference Material

Calibrator Level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0510	0.0514	0.0004	0.0512
100	0.100	0.090 - 0.110	0.1005	0.1005	0	0.1005
200	0.200	0.180 - 0.220	0.1987	0.1982	0.0005	0.1984
300	0.300	0.270 - 0.330	0.2983	0.2982	1E-04	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5014	0.0002	0.5013

Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worksheet #: 6978 Run Date(s): 11/21/24

Internal Standard Solution:	Prep Date:	10/9/2024	Exp Date:	4/9/2025
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Sample Name	Column 1 Value	Column 2 Value
0.080	202941	201088
0.080	203067	201213
QC1	204901	202967
QC1	205248	203357
QC1	204440	203616
QC1	196748	195802
QC1		
QC1		
QC2	194853	193553
QC2	200216	198985
QC2	216689	216303
QC2	202705	202044
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	203180.8	162544.6	243817.0
Column 2	201892.8	161514.2	242271.4

Revision: 5

Issue Date: 07/05/2022

=====
Calibration Table
=====

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

<<Data File>>
Method File :Default Project - ALCOHOL_111424_RC.gcm
Batch File :Default Project - BATCH_111424_RC.gcb
Date Acquired :11/14/2024 4:30:47 PM
Date Created :11/14/2024 4:27:18 PM
Date Modified :11/14/2024 4:36:49 PM



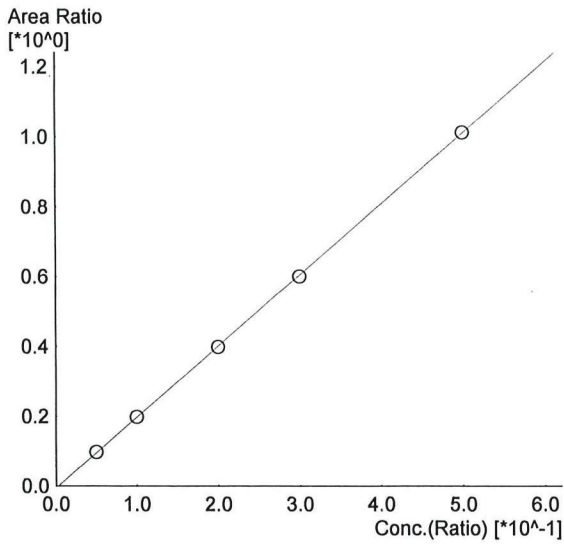
Name : METHANOL
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



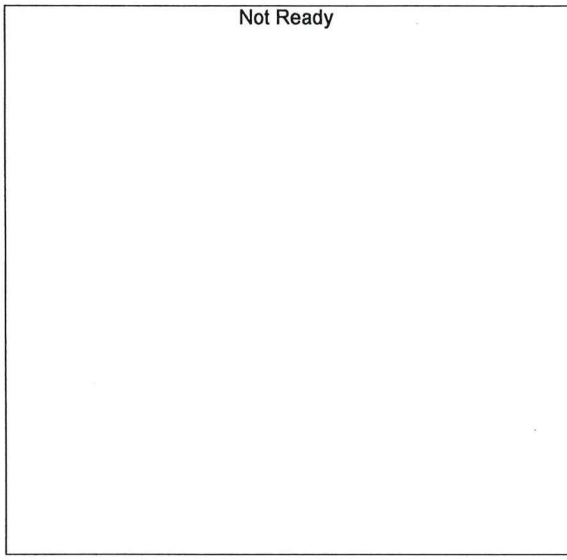
Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



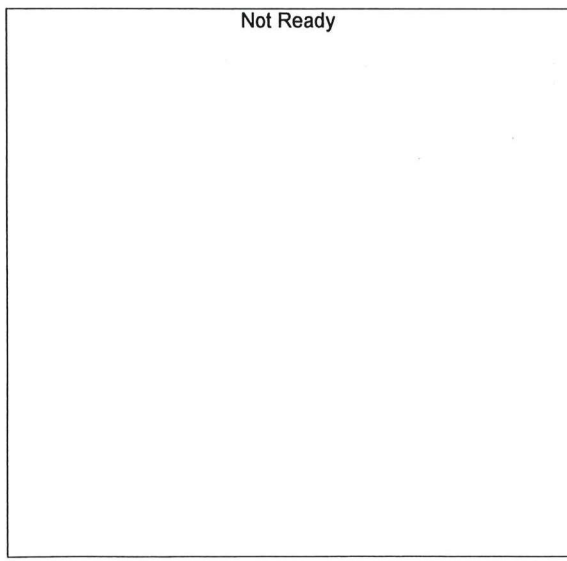
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.03349*x-0.00633167$
 R² value= 0.9999407 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19447	0.0510	0.050_11142024_001.gcd
2	0.100	39562	0.1005	0.100_11142024_002.gcd
3	0.200	80263	0.1987	0.200_11142024_003.gcd
4	0.300	121831	0.2983	0.300_11142024_004.gcd
5	0.500	206321	0.5012	0.500_11142024_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/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

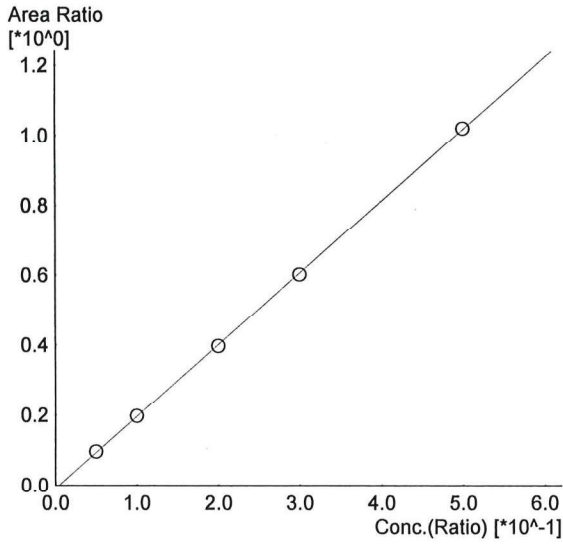
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



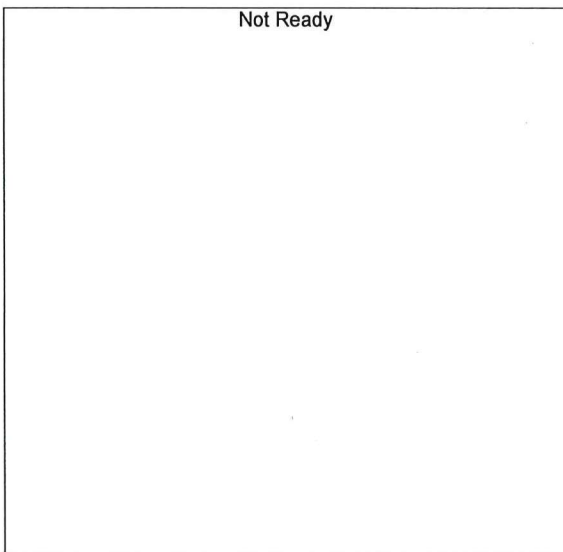
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.05237*x-0.00960873$
 R² value= 0.9999181 ✓
 FitType: Linear
 ZeroThrough: Not Through

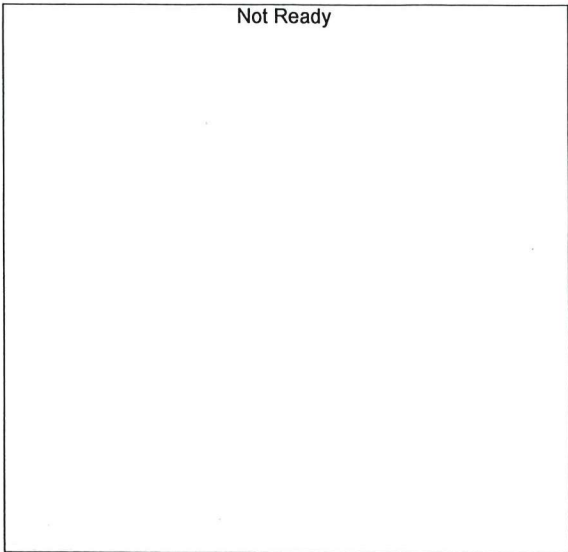
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19004	0.0514	0.050_11142024_001.gcd
2	0.100	38974	0.1005	0.100_11142024_002.gcd
3	0.200	79645	0.1982	0.200_11142024_003.gcd
4	0.300	121505	0.2982	0.300_11142024_004.gcd
5	0.500	206706	0.5014	0.500_11142024_005.gcd



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

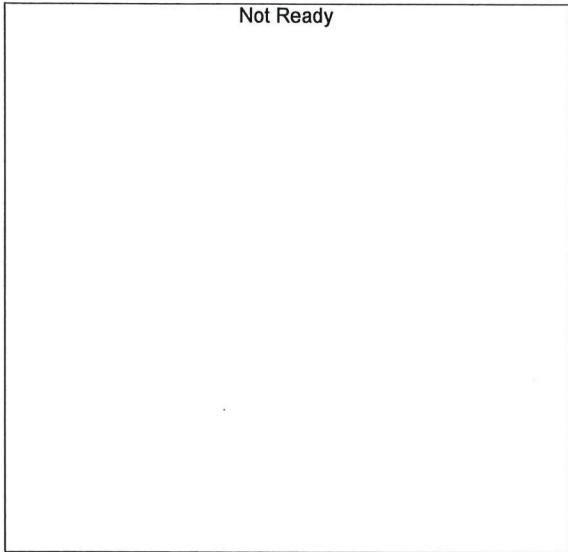
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC



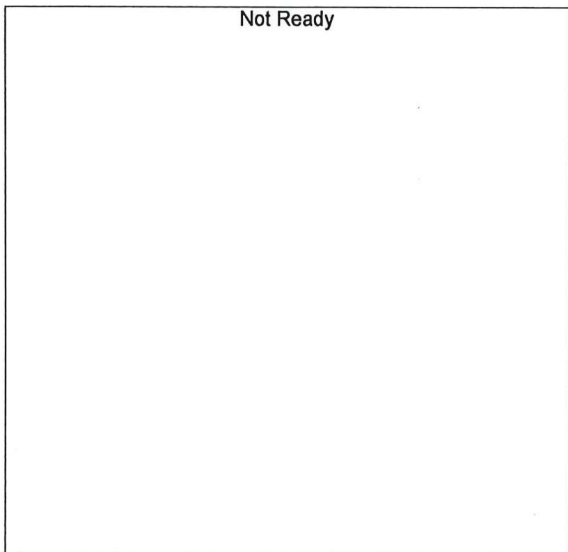
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

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

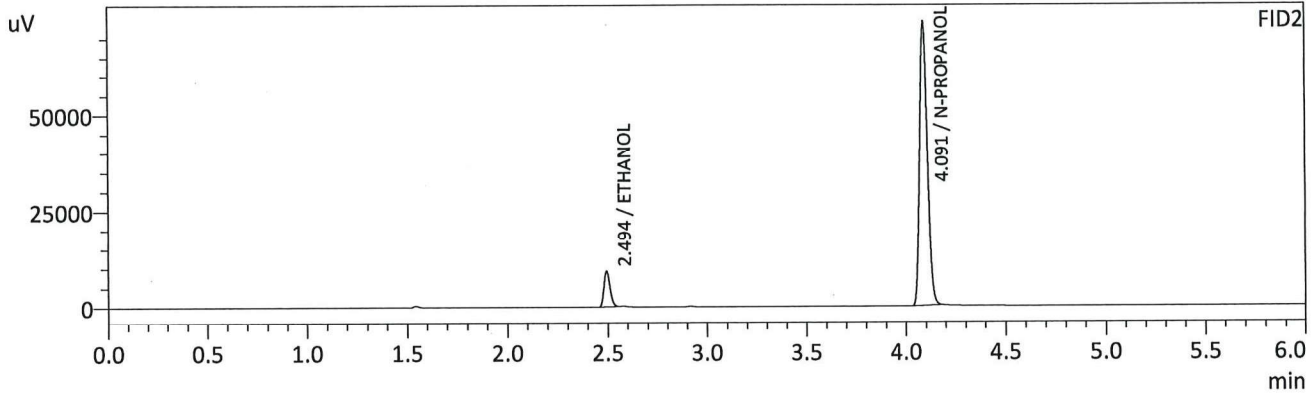
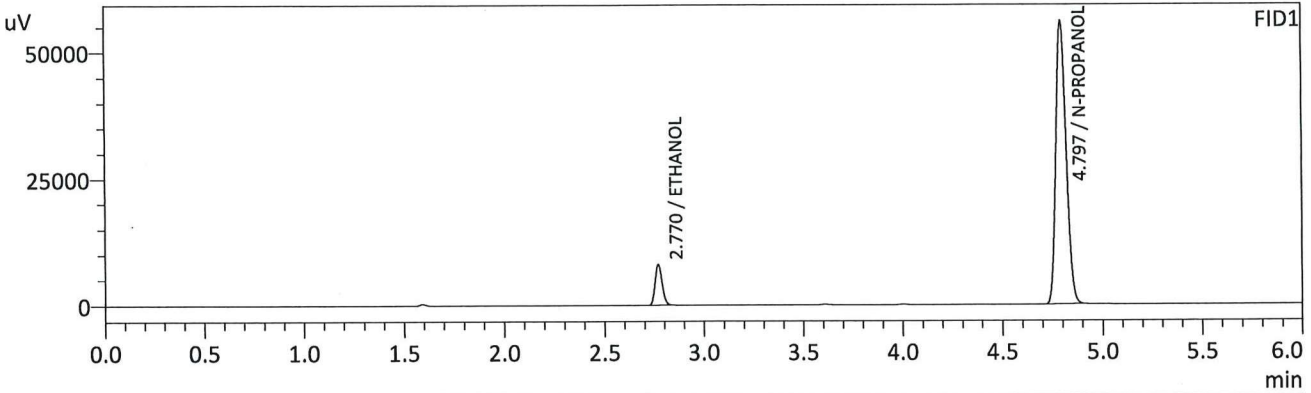


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_11142024_001.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_111424_RC.gcb
 Date Acquired : 11/14/2024 3:52:40 PM
 Date Processed : 11/15/2024 7:38:44 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

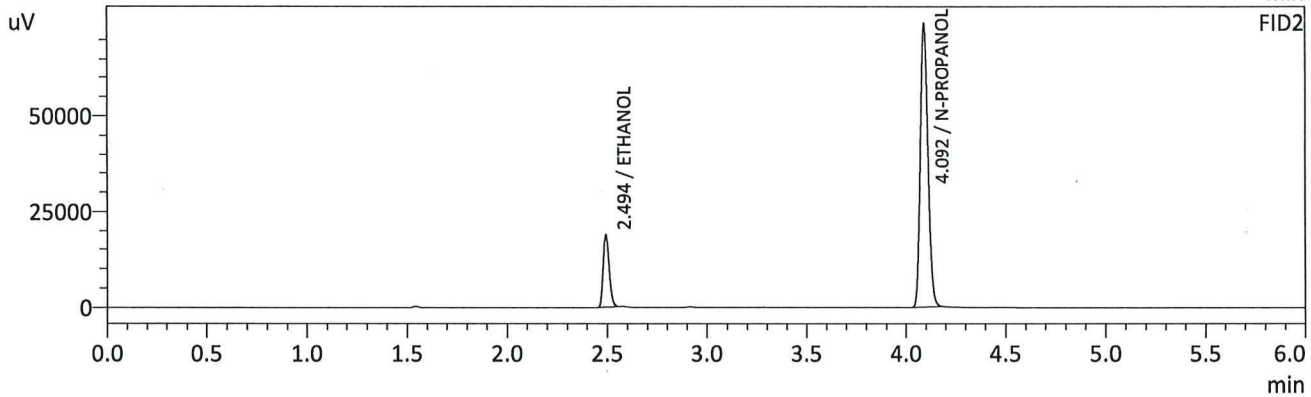
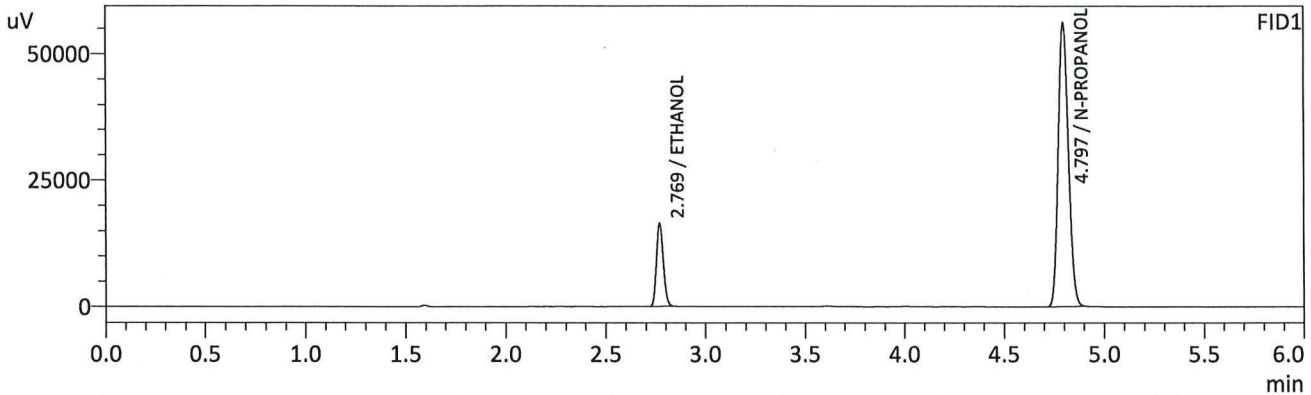
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0510	g/100cc	19447	8033
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199302	56030
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	19004	9151
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198130	73997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CBC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_11142024_002.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_111424_RC.gcb
 Date Acquired : 11/14/2024 4:02:10 PM
 Date Processed : 11/15/2024 7:38:49 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

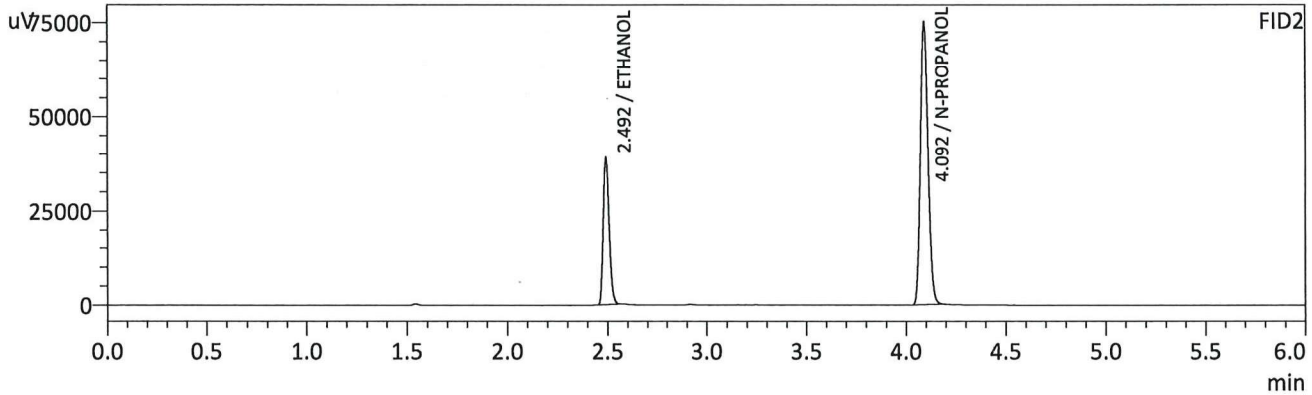
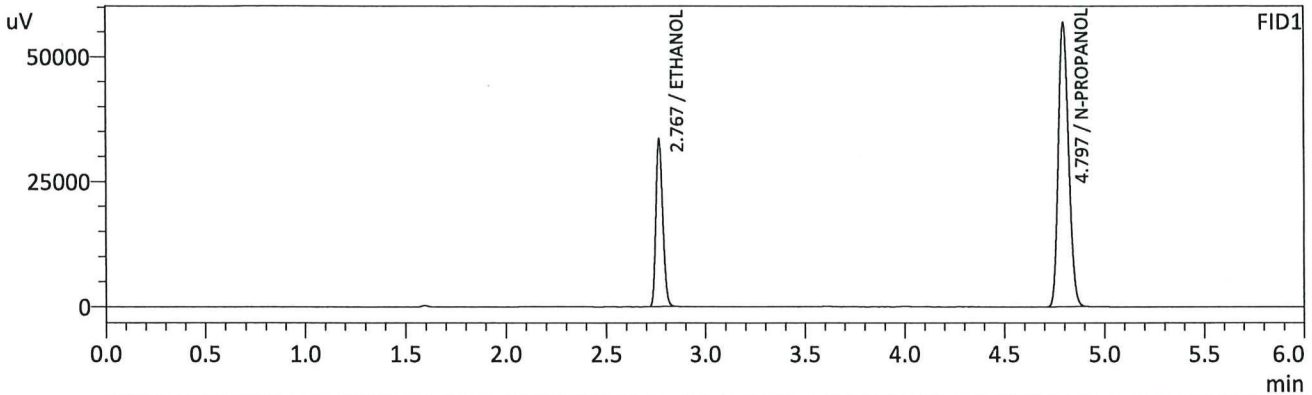
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	39562	16371
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199656	56025
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	38974	18842
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198057	73807
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ABC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_11142024_003.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_111424_RC.gcb
 Date Acquired : 11/14/2024 4:11:31 PM
 Date Processed : 11/15/2024 7:38:53 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

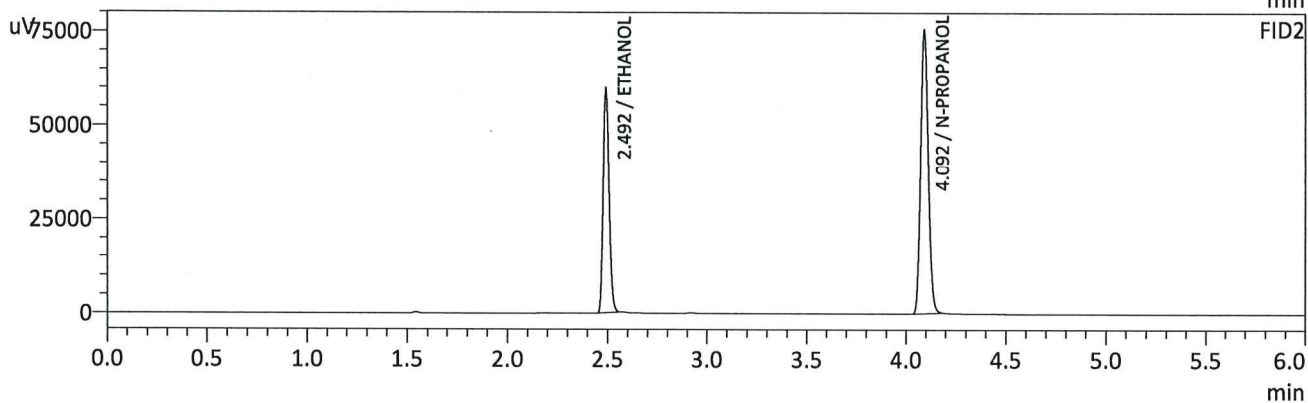
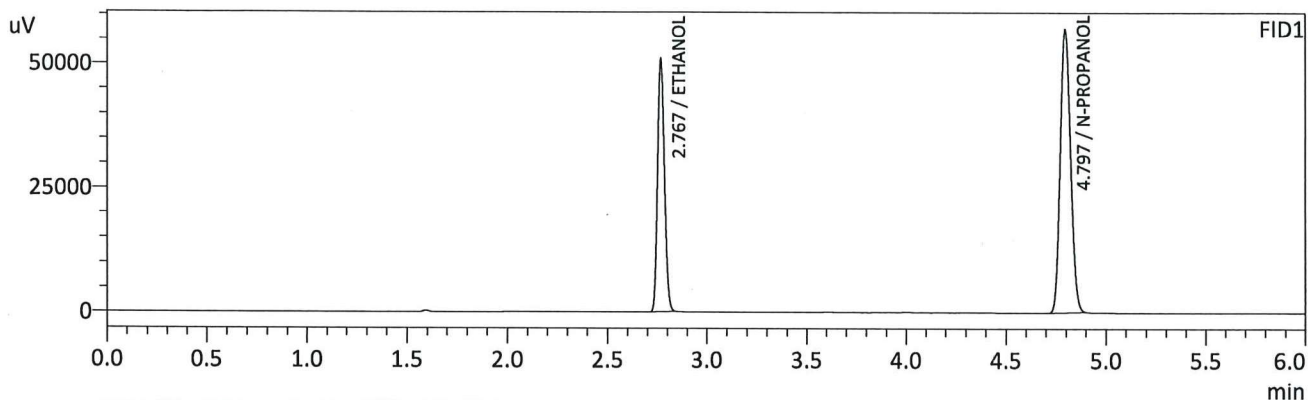
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	80263	33121
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201785	56803
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	79645	38359
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200434	74929
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_11142024_004.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_111424_RC.gcb
 Date Acquired : 11/14/2024 4:21:14 PM
 Date Processed : 11/15/2024 7:38:57 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

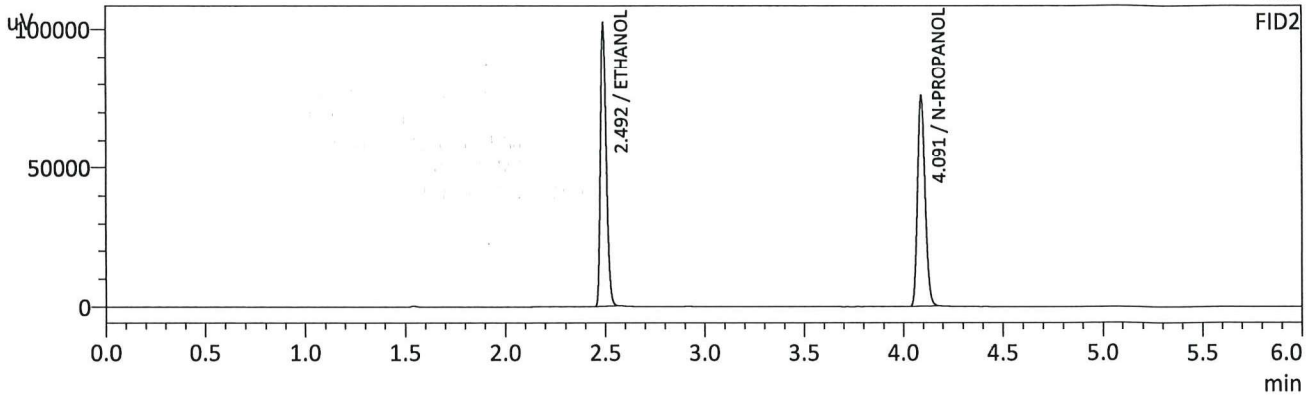
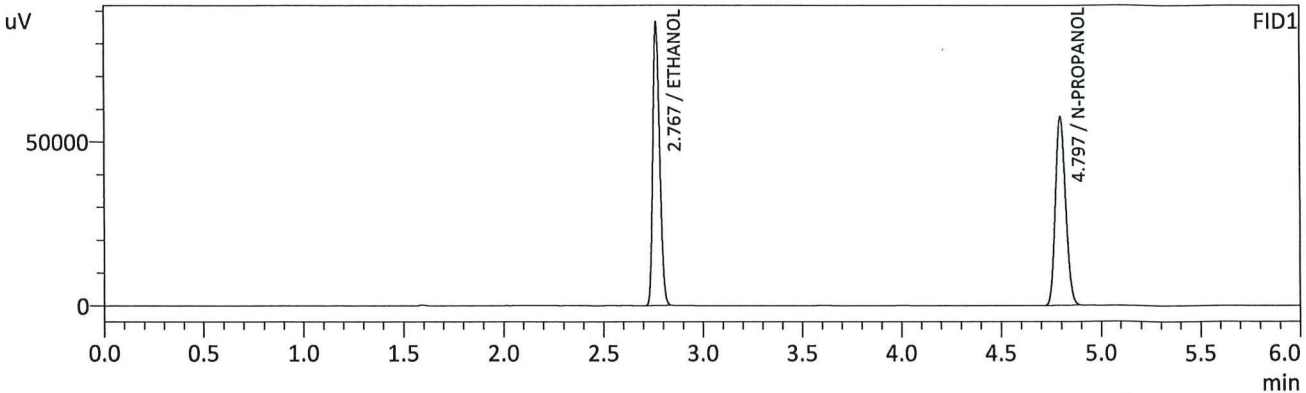
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	121831	50526
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202942	56974
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2982	g/100cc	121505	58977
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201664	75201
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_11142024_005.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_111424_RC.gcb
 Date Acquired : 11/14/2024 4:30:47 PM
 Date Processed : 11/14/2024 4:36:49 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

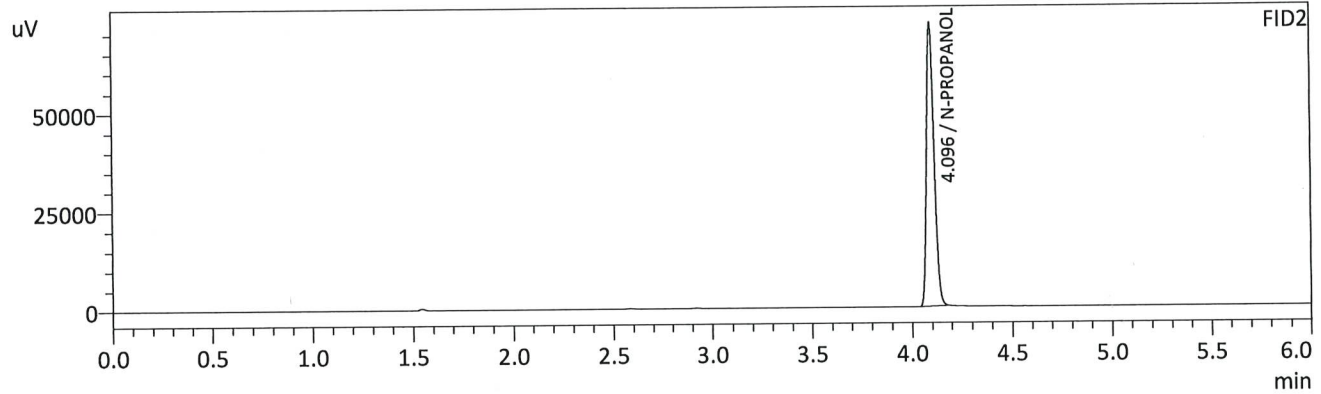
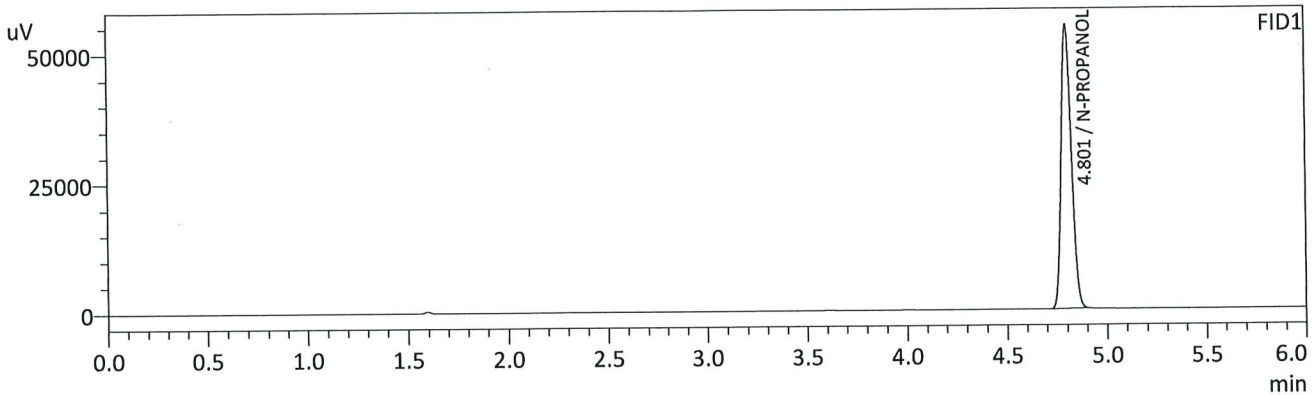
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	206321	86036
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203666	57411
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5014	g/100cc	206706	101037
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202729	75621
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_11212024_001.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 2:33:09 PM
 Date Processed : 11/21/2024 2:39:11 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

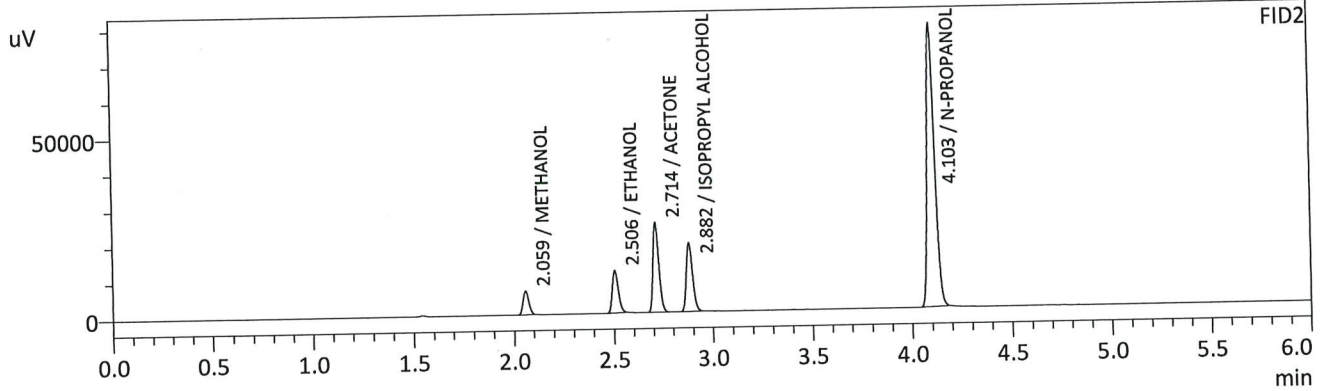
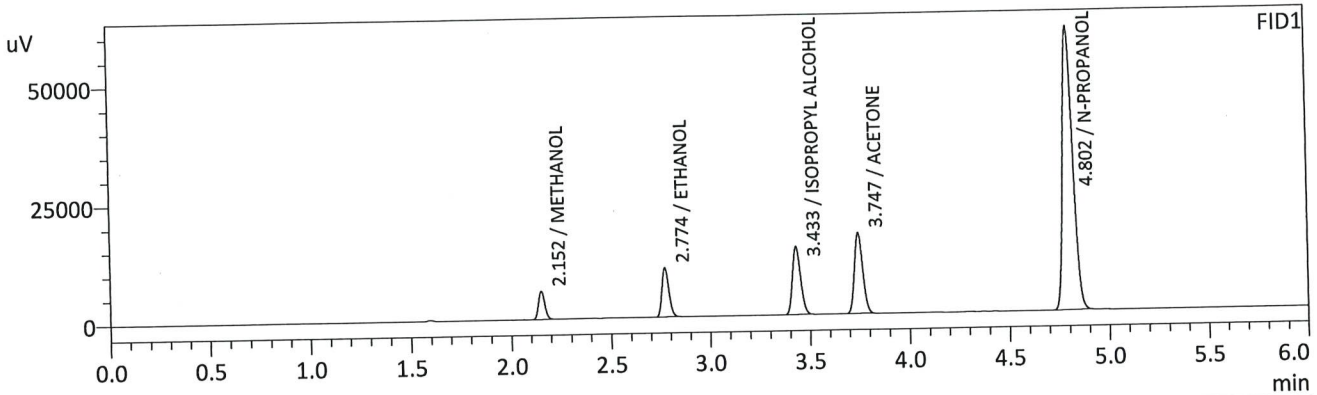
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193989	54758
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	192615	71947
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_11212024_002.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 2:42:39 PM
 Date Processed : 11/21/2024 2:48:40 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

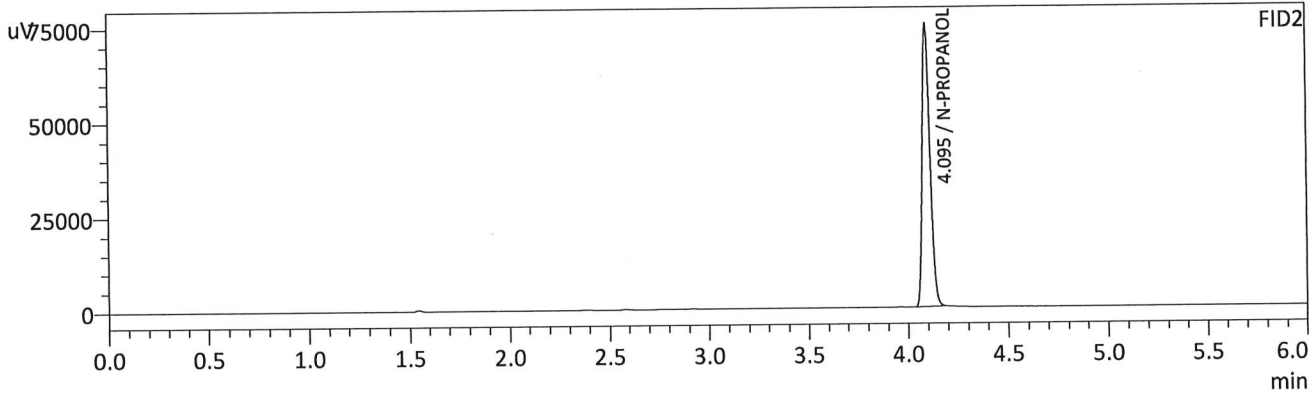
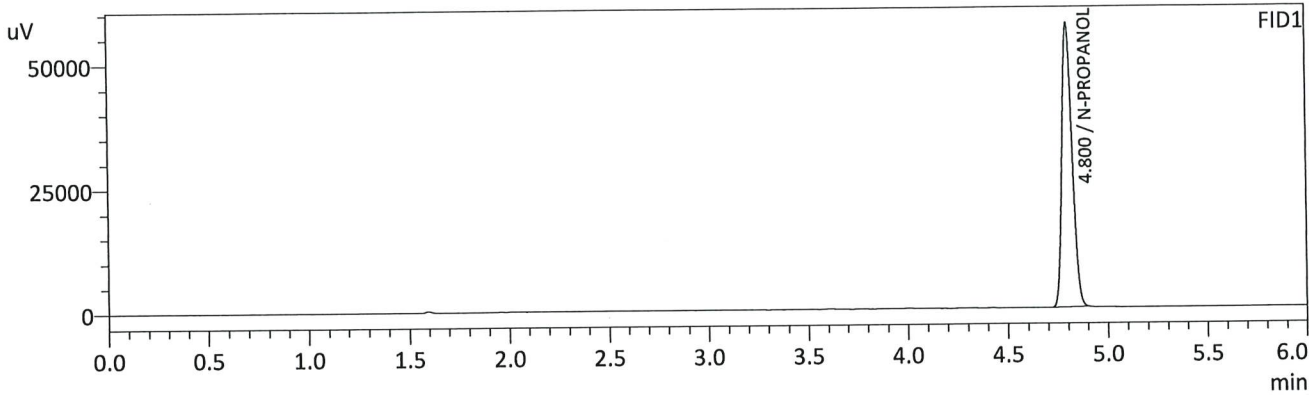
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	13006	5845
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0614	g/100cc	25010	10296
ISOPROPYL ALCOHOL	0.0000	g/100cc	40784	14262
ACETONE	0.0000	g/100cc	49615	16958
N-PROPANOL	0.0000	g/100cc	210934	59424
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	13348	6469
ETHANOL	0.0617	g/100cc	24475	11631
ACETONE	0.0000	g/100cc	51330	24795
ISOPROPYL ALCOHOL	0.0000	g/100cc	41218	18960
N-PROPANOL	0.0000	g/100cc	208890	78170
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_11212024_003.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 2:52:00 PM
 Date Processed : 11/21/2024 2:58:01 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	202108	57126
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	199735	74823
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

WBC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 11/21/2024 3:01:47 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0817	0.0002	0.0818	0.0001	0.0817
(g/100cc)	0.0819	0.0815	0.0004	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_111424_RC.gcm

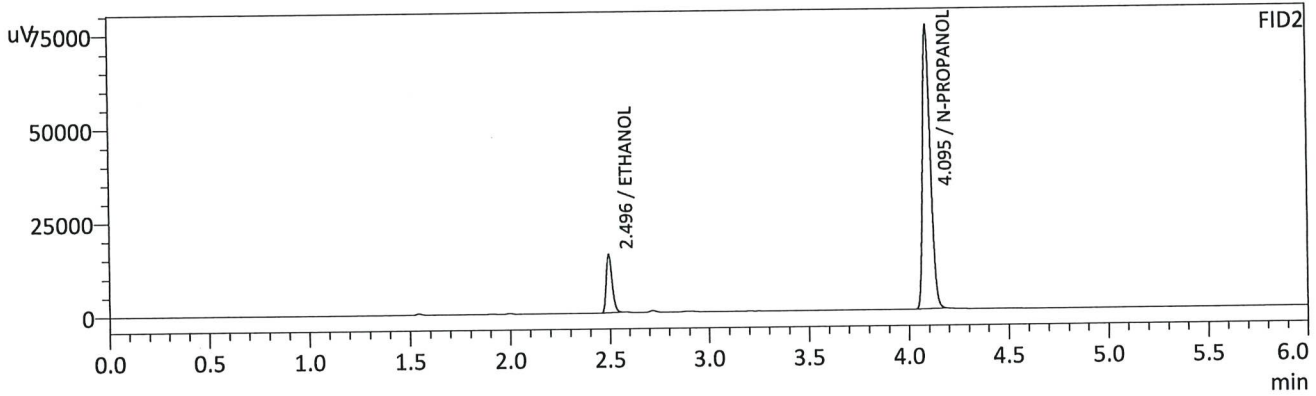
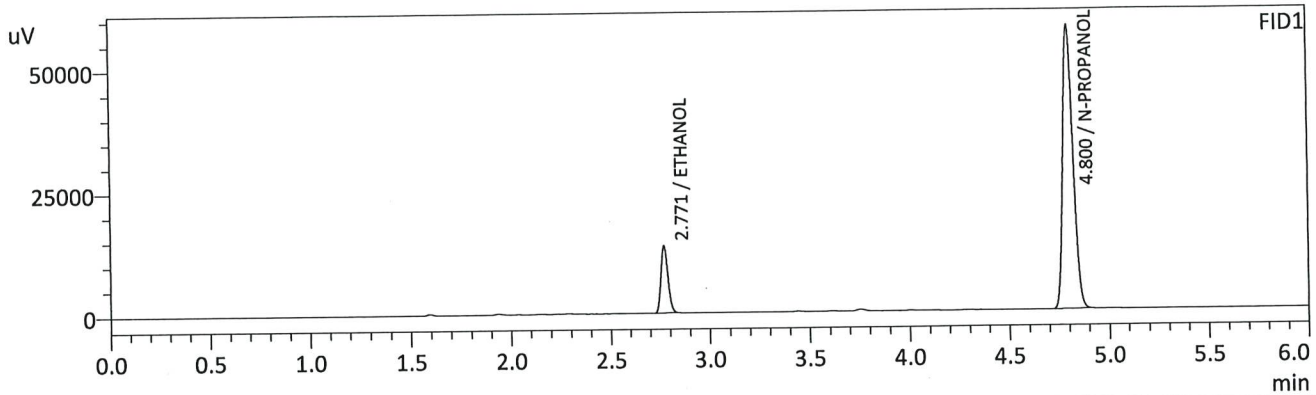
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

BC

Sample Name : QC1-1
 Vial # : 4
 Data Filename : QC1-1_11212024_004.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 3:01:47 PM
 Date Processed : 11/21/2024 3:07:49 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

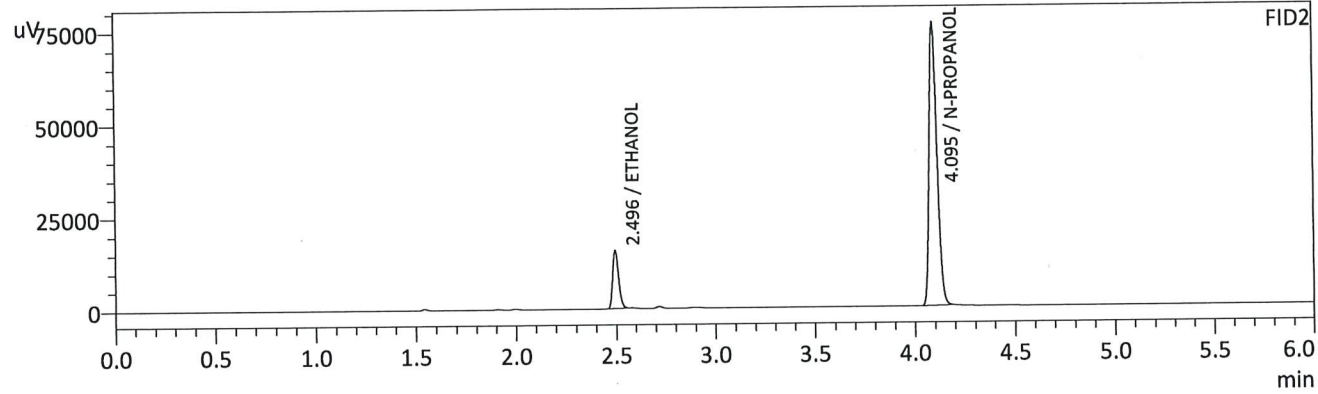
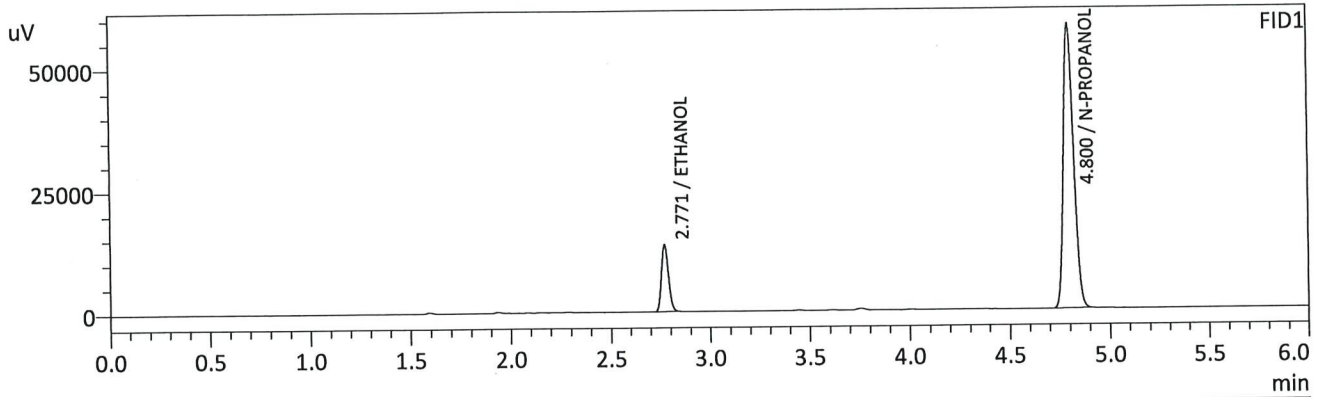
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	32850	13604
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204901	57787
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	32085	15493
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202967	75673
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 5
 Data Filename : QC1-1-B_11212024_005.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 3:11:16 PM
 Date Processed : 11/21/2024 3:17:18 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	32883	13596
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205248	58065
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	32096	15515
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203357	76143
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 11/21/2024 3:20:32 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0803	0.0001	0.0803	0.0000	0.0803
(g/100cc)	0.0805	0.0802	0.0003	0.0803		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_111424_RC.gcm

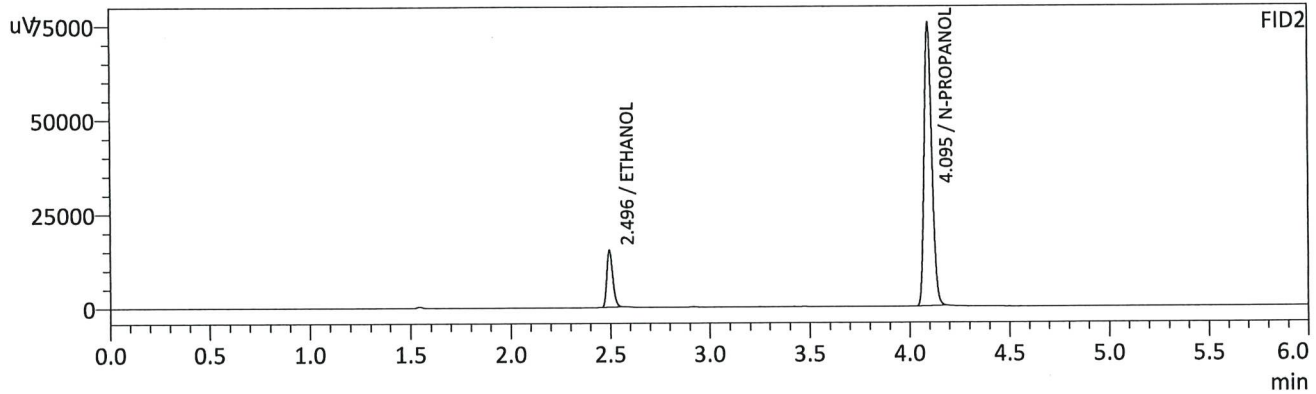
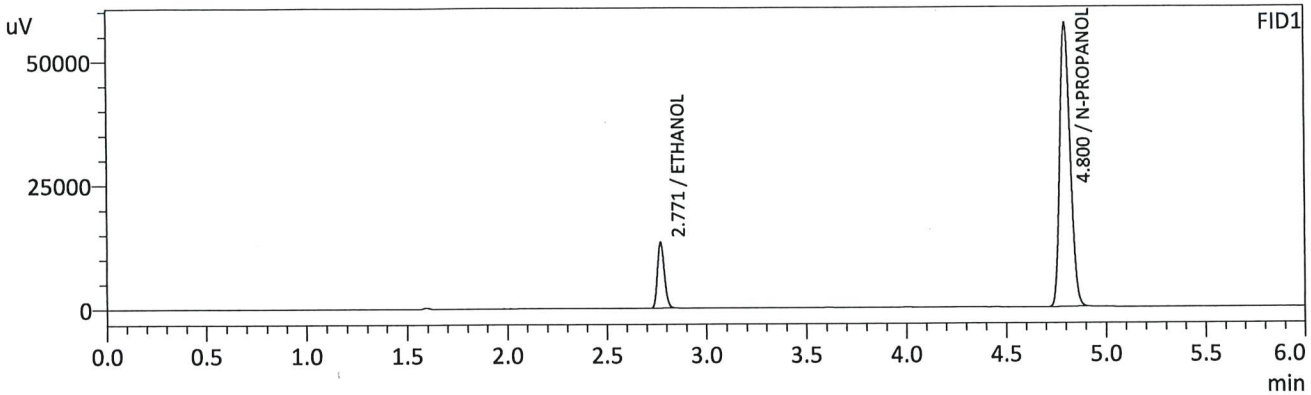
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA
 Vial # : 6
 Data Filename : 0.08 QA_11212024_006.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 3:20:32 PM
 Date Processed : 11/21/2024 3:26:34 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

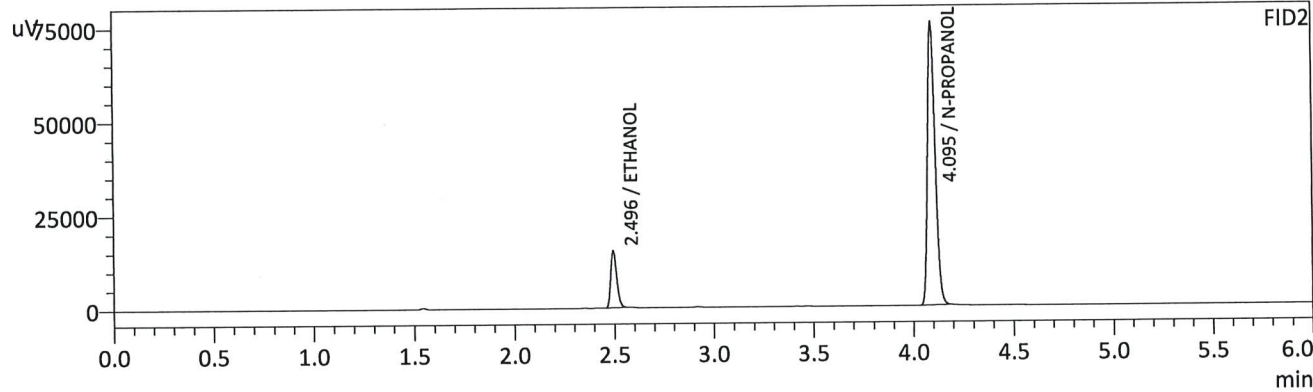
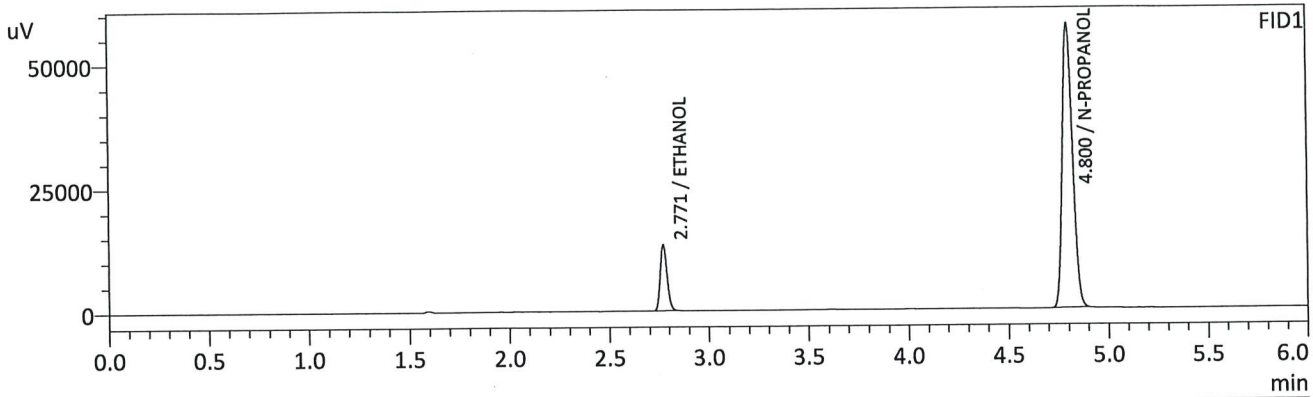
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	31909	13224
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202941	57211
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	31246	15098
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201088	75165
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_11212024_007.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 3:30:18 PM
 Date Processed : 11/21/2024 3:36:19 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	31956	13238
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203067	57320
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	31206	15083
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201213	75338
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 11/21/2024 6:31:14 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2039	0.2040	0.0001	0.2039	0.0013	0.2045
(g/100cc)	0.2051	0.2053	0.0002	0.2052		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_111424_RC.gcm

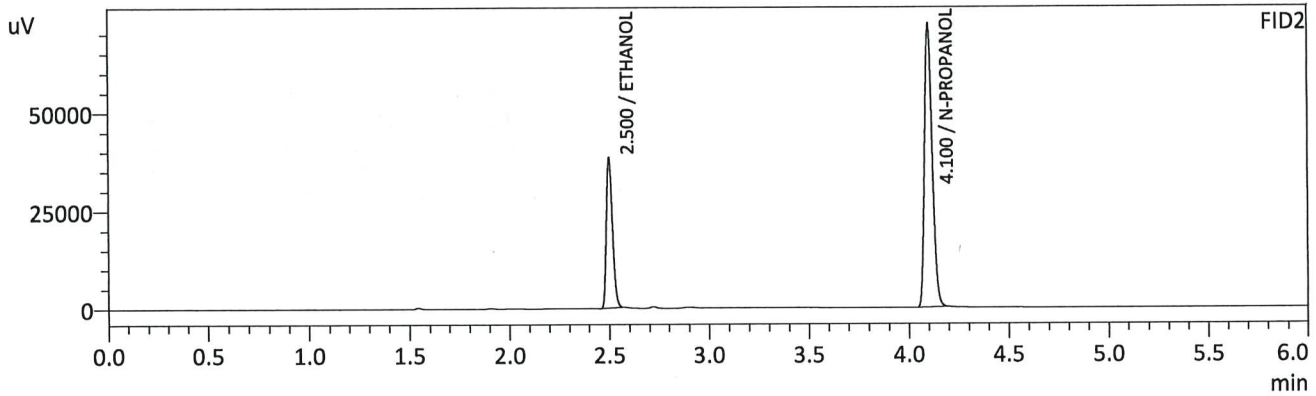
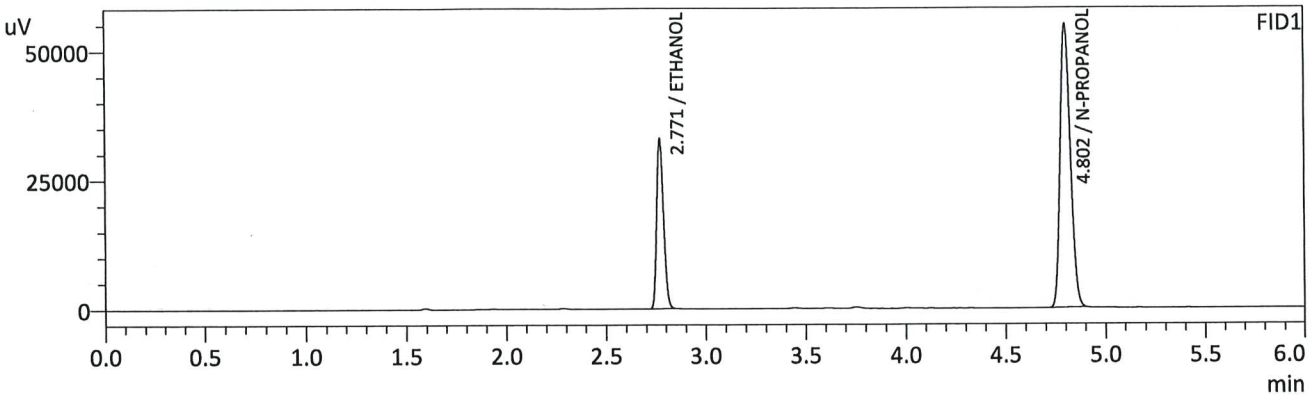
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.204	0.193	0.215	0.011

	Reported Results
	0.204

Calibration and control data are stored centrally.

RC

Sample Name : QC2-1
 Vial # : 26
 Data Filename : QC2-1_11212024_026.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 6:31:14 PM
 Date Processed : 11/21/2024 6:37:16 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

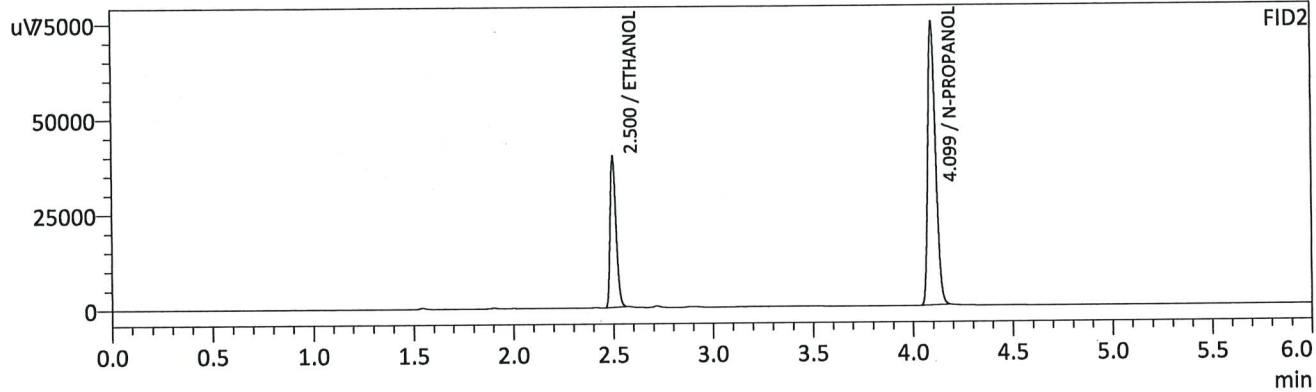
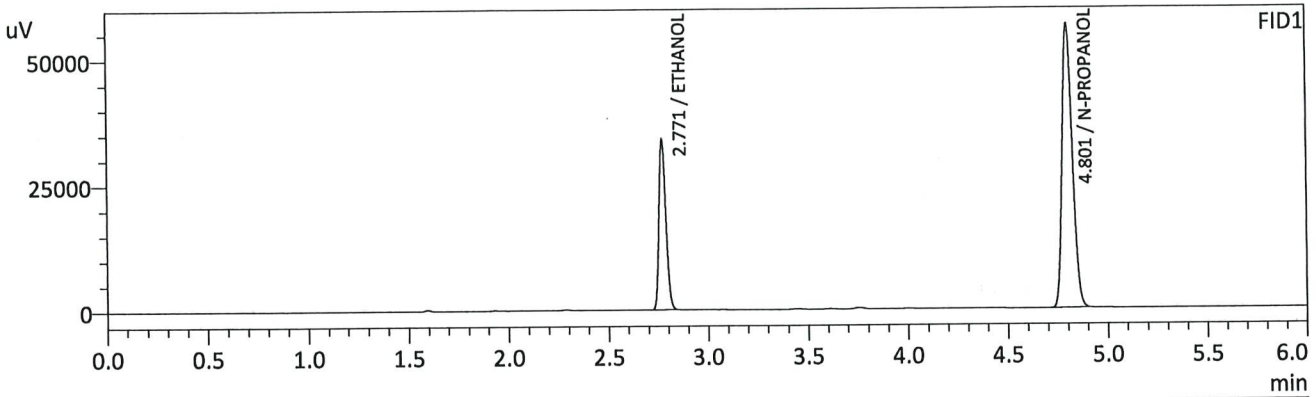
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2039	g/100cc	79560	32768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194853	54711
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2040	g/100cc	79216	38161
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193553	72254
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 27
 Data Filename : QC2-1-B_11212024_027.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 6:40:32 PM
 Date Processed : 11/21/2024 6:46:35 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2051	g/100cc	82269	33902
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200216	56465
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2053	g/100cc	81960	39585
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198985	74271
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			Analysis Date(s): 11/21/2024 10:00:35 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0886	0.0880	0.0006	0.0883	0.0005	0.0880
(g/100cc)	0.0881	0.0876	0.0005	0.0878		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_111424_RC.gcm

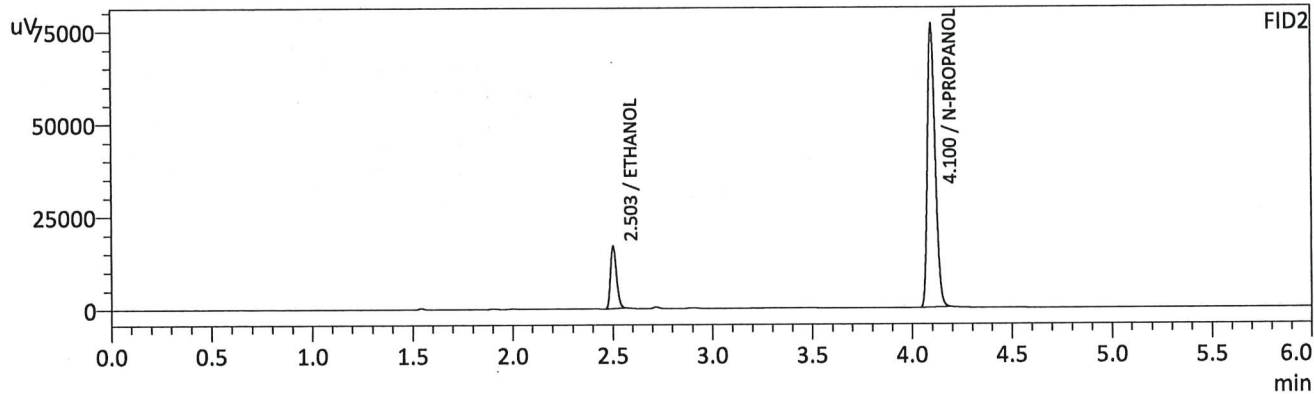
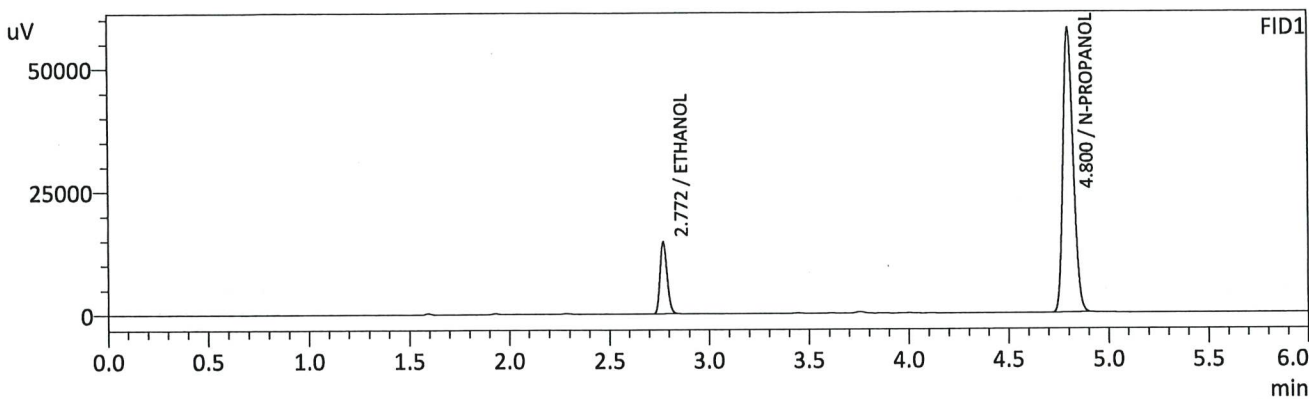
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results
	0.088

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
 Vial # : 48
 Data Filename : QC1-2_11212024_048.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 10:00:35 PM
 Date Processed : 11/21/2024 10:06:37 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

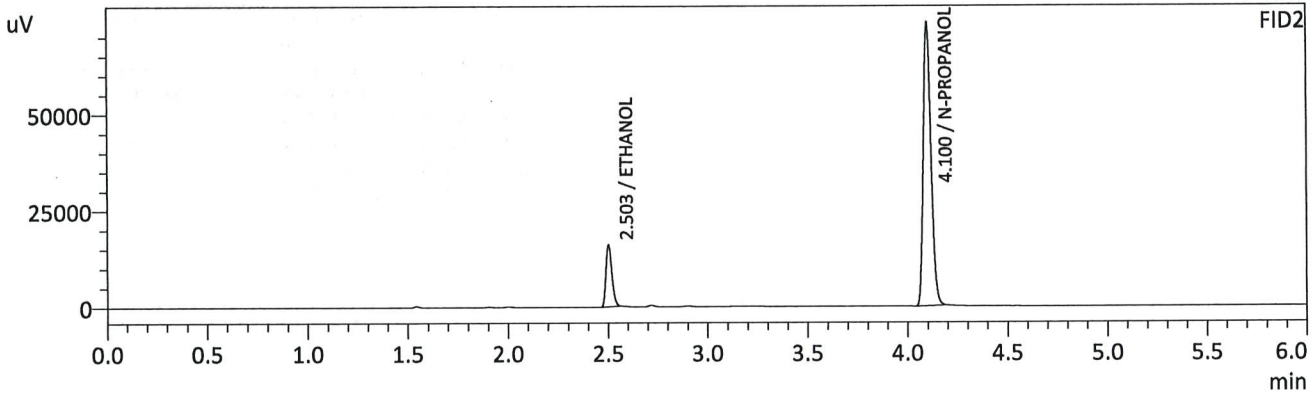
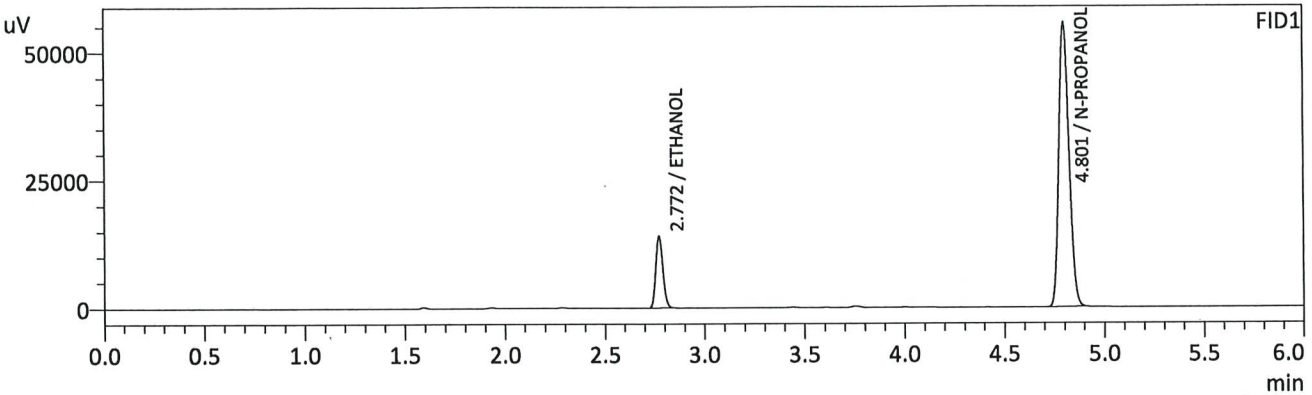
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0886	g/100cc	35541	14479
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204440	57782
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0880	g/100cc	34848	16618
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203616	76421
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 49
 Data Filename : QC1-2-B_11212024_049.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 10:10:20 PM
 Date Processed : 11/21/2024 10:16:21 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0881	g/100cc	34040	13870
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196748	55542
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0876	g/100cc	33357	15949
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195802	73394
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2

Analysis Date(s): 11/21/2024 11:16:57 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2127	0.2125	0.0002	0.2126	0.0002	0.2125
(g/100cc)	0.2124	0.2125	0.0001	0.2124		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_111424_RC.gcm

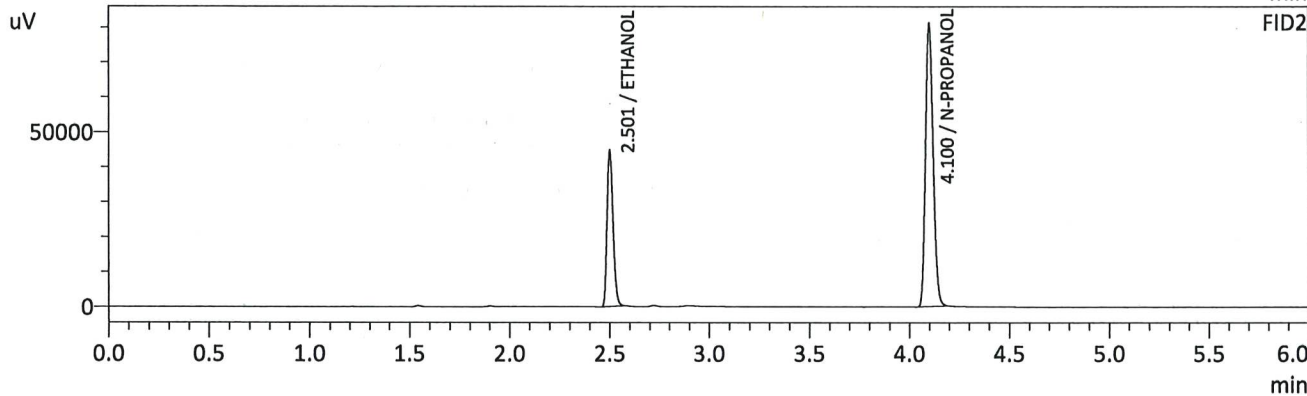
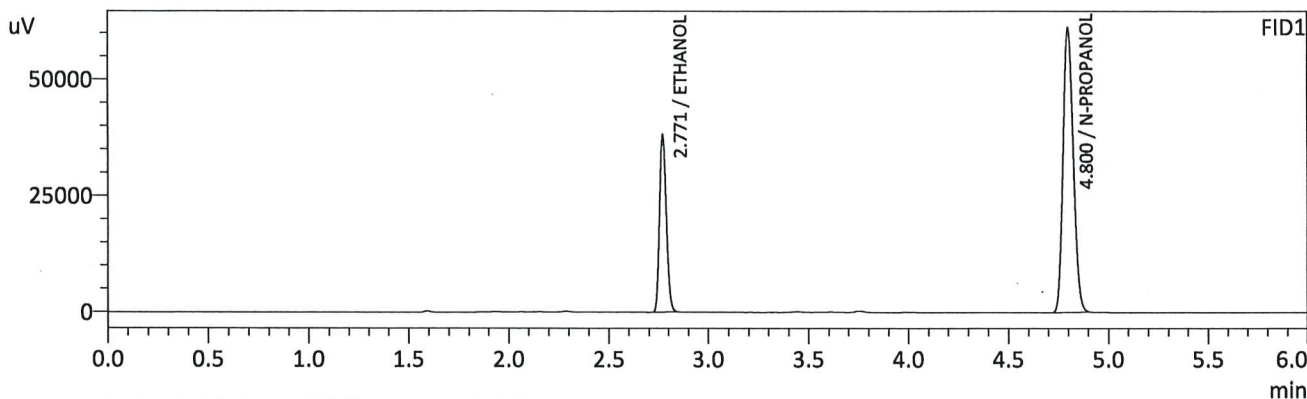
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.212	0.201	0.223	0.011

	Reported Results
	0.212

Calibration and control data are stored centrally.

RC

Sample Name : QC2-2
 Vial # : 56
 Data Filename : QC2-2_11212024_056.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 11:16:57 PM
 Date Processed : 11/21/2024 11:22:59 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

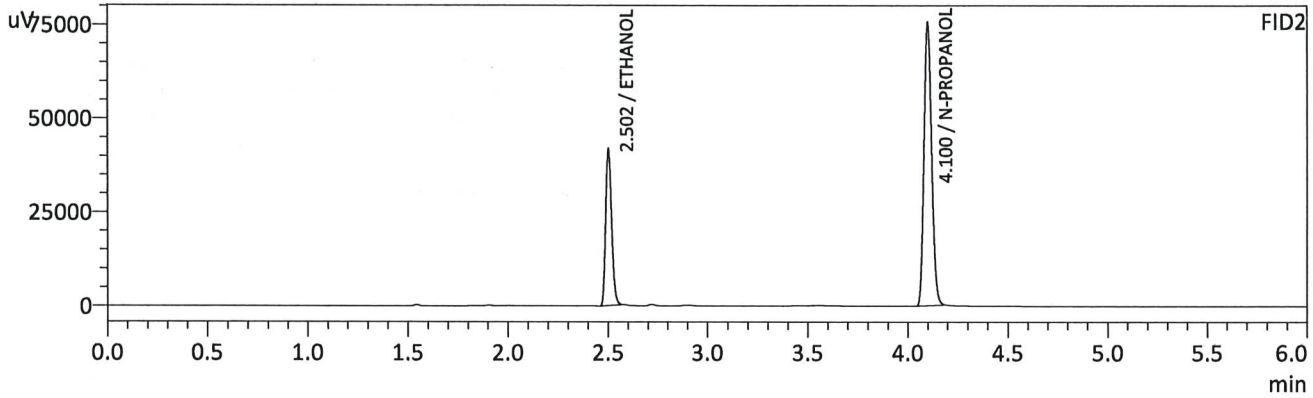
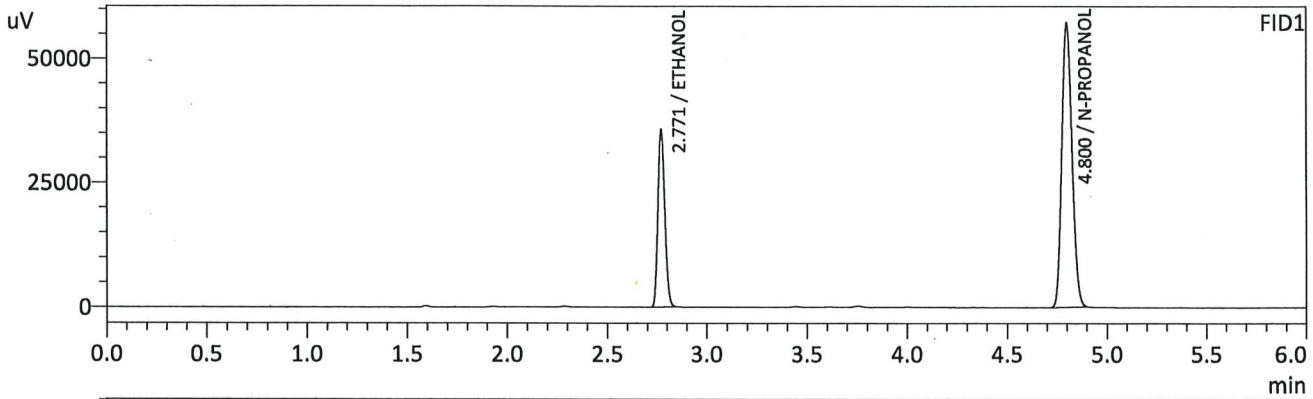
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2127	g/100cc	92384	38104
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	216689	61164
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2125	g/100cc	92283	44236
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	216303	81047
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-2-B
 Vial # : 57
 Data Filename : QC2-2-B_11212024_057.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 11:26:15 PM
 Date Processed : 11/21/2024 11:32:16 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

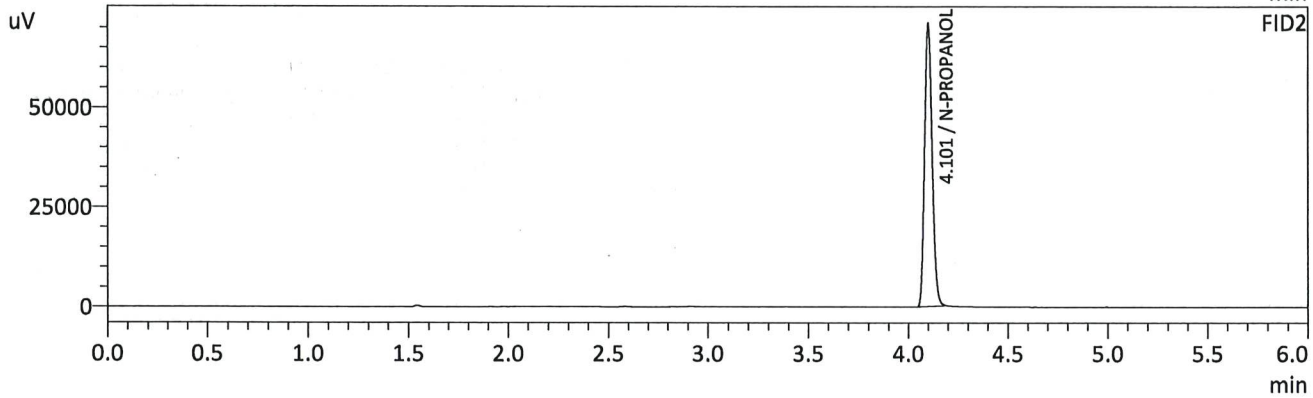
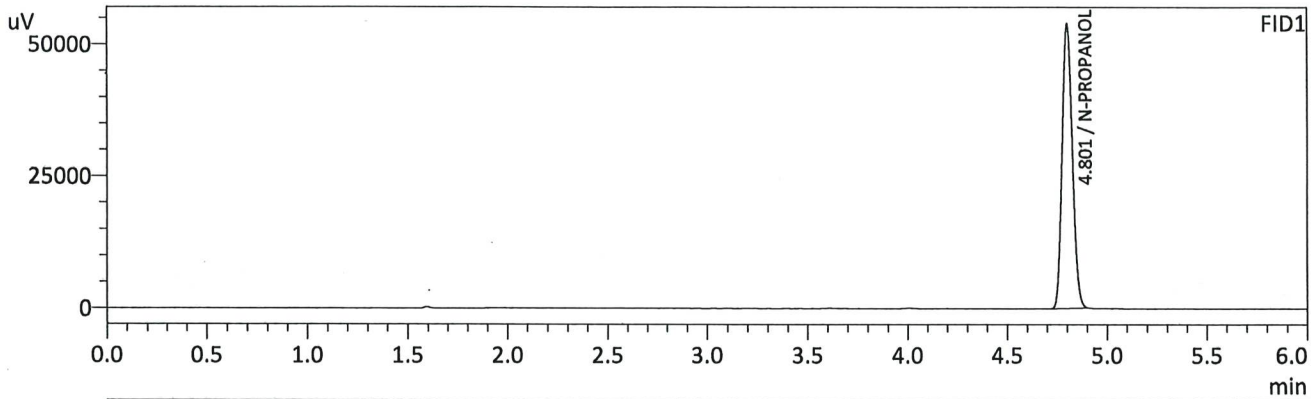
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2124	g/100cc	86295	35583
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202705	57158
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2125	g/100cc	86204	41110
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202044	75522
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 58
 Data Filename : INT STD BLK 3_11212024_058.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 11:36:04 PM
 Date Processed : 11/21/2024 11:42:05 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

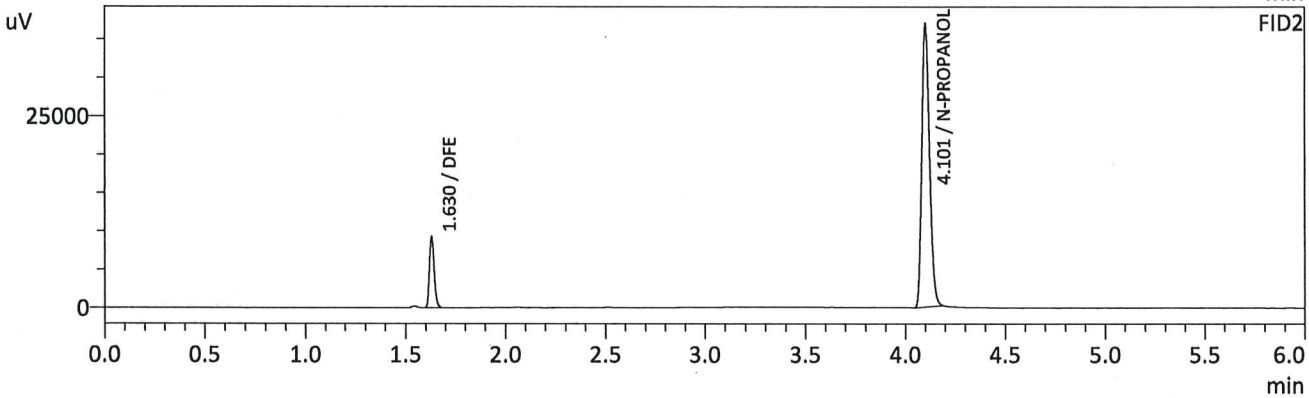
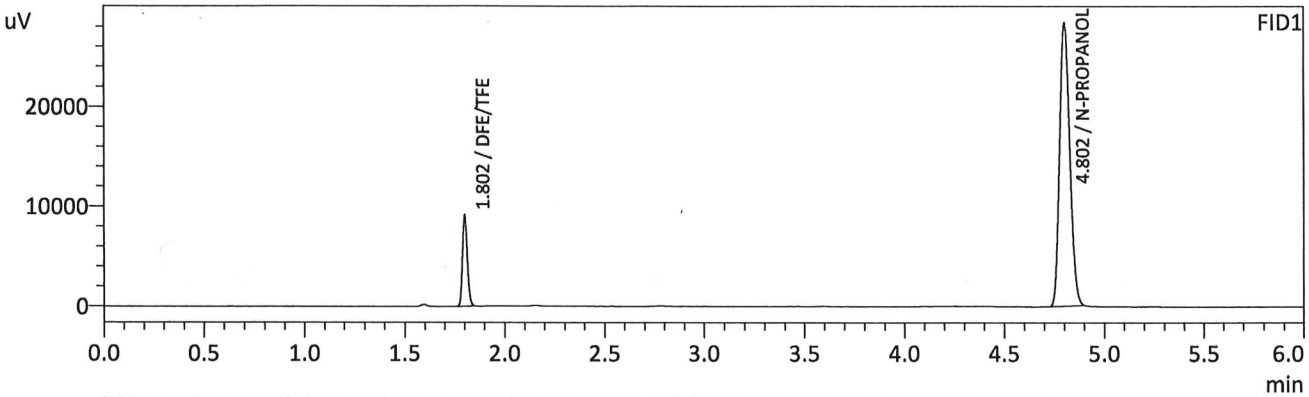
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190504	53822
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	189516	70884
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE
 Vial # : 59
 Data Filename : DFE_11212024_059.gcd
 Method Filename : ALCOHOL_111424_RC.gcm
 Batch Filename : BATCH_112124_RC.gcb
 Date Acquired : 11/21/2024 11:45:29 PM
 Date Processed : 11/21/2024 11:51:31 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	99847	28249
DFE/TFE	0.0000	g/100cc	15157	8928
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	97846	36779
DFE	0.0000	g/100cc	15244	9127
TFE	--	g/100cc	--	--

RC

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_111424_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_111424_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_111424_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_111424_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_111424_RC.gcm		0
8	P2024-3397-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
9	P2024-3397-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
10	P2024-3398-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
11	P2024-3398-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
12	P2024-3399-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
13	P2024-3399-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
14	P2024-3400-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
15	P2024-3400-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
16	P2024-3401-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
17	P2024-3401-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
18	P2024-3402-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
19	P2024-3402-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
20	P2024-3435-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
21	P2024-3435-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
22	P2024-3436-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
23	P2024-3436-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
24	P2024-3437-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
25	P2024-3437-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
28	P2024-3447-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
29	P2024-3447-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
30	P2024-3469-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
31	P2024-3469-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
32	P2024-3471-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
33	P2024-3471-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
34	P2024-3472-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
35	P2024-3472-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
36	P2024-3474-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
37	P2024-3474-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
38	P2024-3476-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
39	P2024-3476-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
40	P2024-3478-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
41	P2024-3478-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
42	P2024-3489-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
43	P2024-3489-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
44	P2024-3490-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
45	P2024-3490-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
46	P2024-3496-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
47	P2024-3496-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_111424_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
50	P2024-3540-1	0:Unknown	ALCOHOL_111424_RC.gcm		0
51	P2024-3540-1-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
52	M2024-4794-2	0:Unknown	ALCOHOL_111424_RC.gcm		0
53	M2024-4794-2-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
54	P2024-3551-2	0:Unknown	ALCOHOL_111424_RC.gcm		0
55	P2024-3551-2-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
56	QC2-2	0:Unknown	ALCOHOL_111424_RC.gcm		0
57	QC2-2-B	0:Unknown	ALCOHOL_111424_RC.gcm		0
58	INT STD BLK 3	0:Unknown	ALCOHOL_111424_RC.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
59	DFE	0:Unknown	ALCOHOL_111424_RC.gcm		0

RC