

REVIEWED

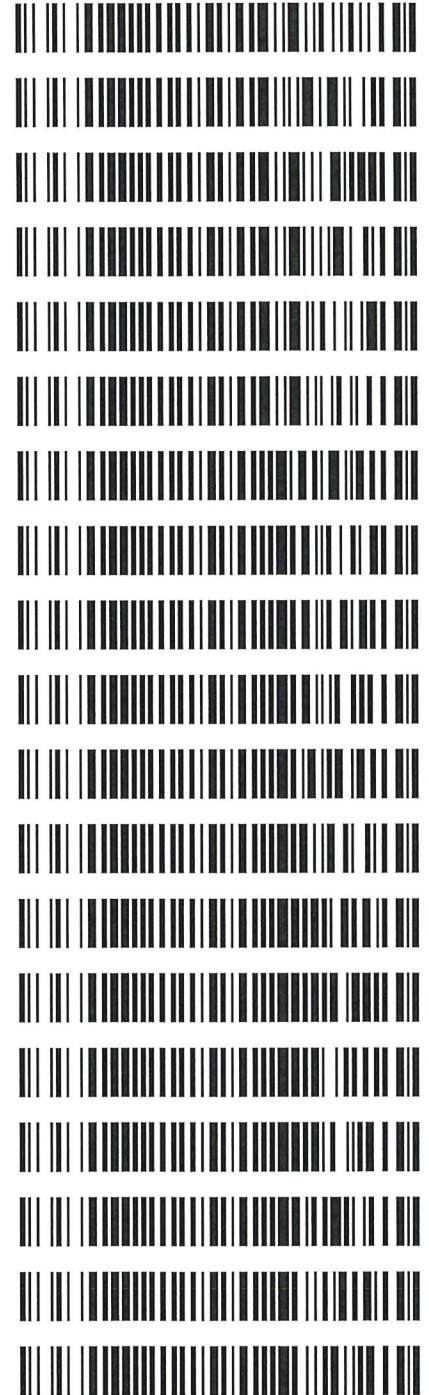
By Tamara Salazar at 8:47 am, Mar 07, 2024

3/6/2024

RC

Worklist: 6718

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-0422	2	BCK	Alcohol Analysis
P2024-0502	1	BCK	Alcohol Analysis
P2024-0526	1	BCK	Alcohol Analysis
P2024-0527	1	BCK	Alcohol Analysis
P2024-0534	2	BCK	Alcohol Analysis
P2024-0553	1	BCK	Alcohol Analysis
P2024-0570	1	BCK	Alcohol Analysis
P2024-0580	1	BCK	Alcohol Analysis
P2024-0581	1	BCK	Alcohol Analysis
P2024-0582	1	BCK	Alcohol Analysis
P2024-0590	1	BCK	Alcohol Analysis
P2024-0630	1	BCK	Alcohol Analysis
P2024-0638	1	BCK	Alcohol Analysis
P2024-0639	1	BCK	Alcohol Analysis
P2024-0642	2	BCK	Alcohol Analysis
P2024-0644	1	BCK	Alcohol Analysis
P2024-0671	1	BCK	Alcohol Analysis
P2024-0673	1	BCK	Alcohol Analysis
P2024-0674	1	BCK	Alcohol Analysis



RC

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): 3/5/24

Calibration Date: (if different):

Worklist #: 6718

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
					0.0898 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2076 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	0.99994	Column2	0.99979

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	0.0528	0.0017	0.0519
100	0.100	0.090 - 0.110	0.1003	0.0998	0.0005	0.1
200	0.200	0.180 - 0.220	0.1989	0.1975	0.0014	0.1982
300	0.300	0.270 - 0.330	0.2983	0.2974	0.0009	0.2978
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5022	0.001	0.5017

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 #: 6718 Run Date(s): 3/5/24

Internal Standard Solution:	Prep Date:	2/5/2024	Exp Date:	8/5/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	204728	207799
0.080	205257	208276
QC1	207998	208008
QC1	207182	209296
QC1	214924	219171
QC1	216946	221018
QC1		
QC1		
QC2	194614	197762
QC2	206106	209661
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	207219.4	165775.5	248663.3
Column 2	210123.9	168099.1	252148.7



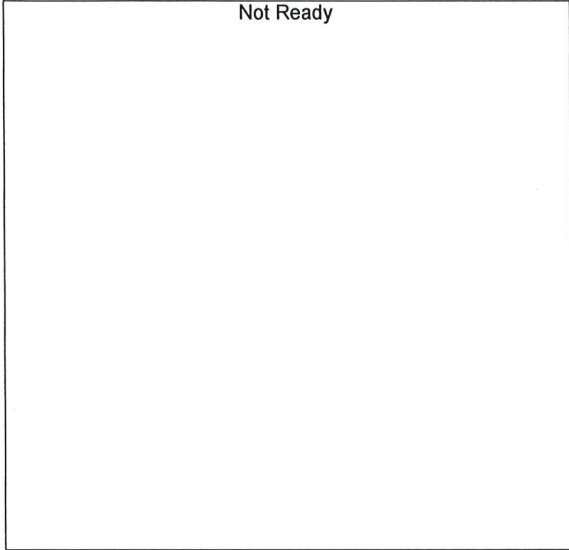
Revision: 5

Issue Date: 07/05/2022

Calibration Table

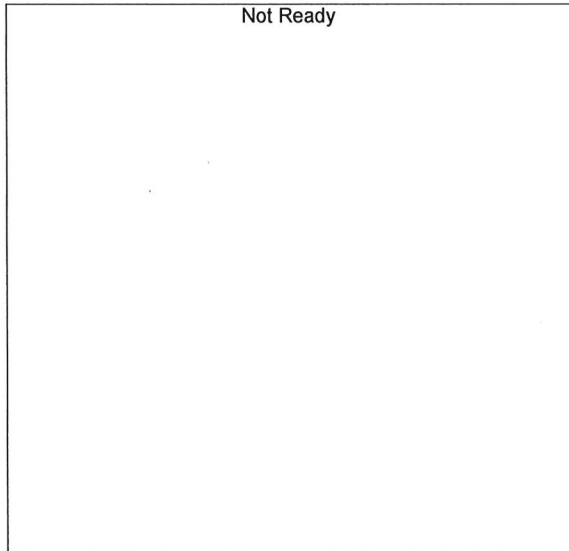
Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

<<Data File>>
 Method File :Default Project - ALCOHOL_030524_RC.gcm
 Batch File :Default Project - BATCH_030524_RC.gcb
 Date Acquired :3/5/2024 3:20:07 PM
 Date Created :3/5/2024 3:16:39 PM
 Date Modified :3/6/2024 9:10:11 AM



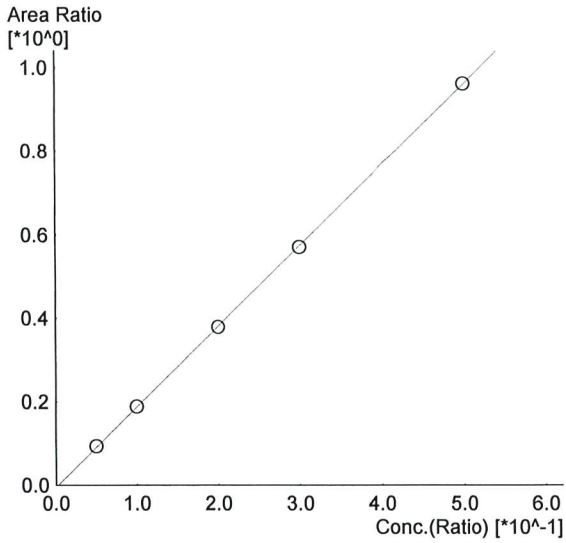
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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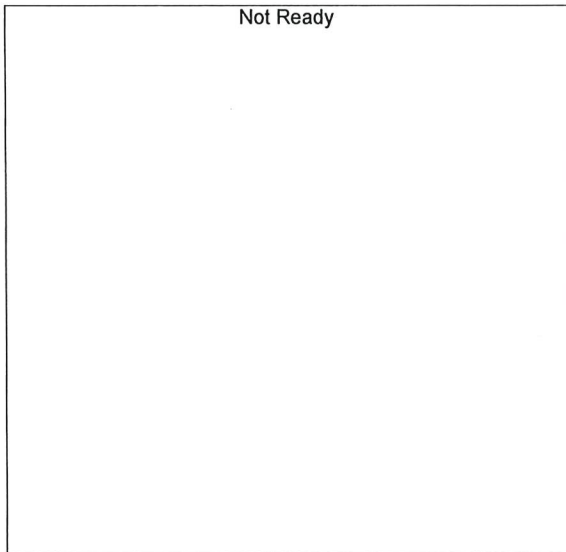
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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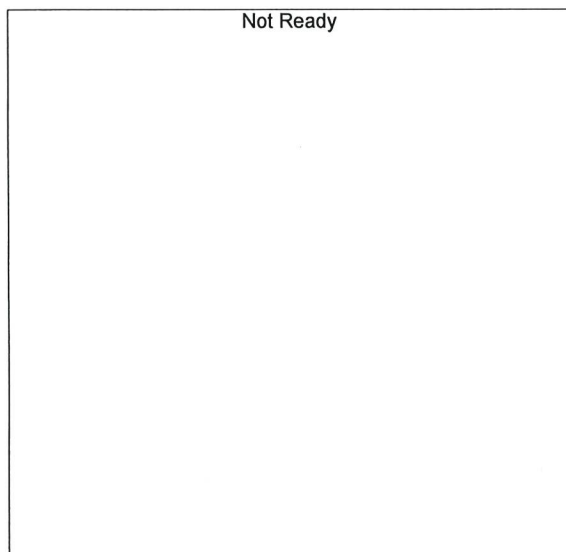
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.93026*x-0.00549034$
 R^2 value= 0.9999488
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19076	0.0511	0.050_352024_001.gcd
2	0.100	38729	0.1003	0.100_352024_002.gcd
3	0.200	78284	0.1989	0.200_352024_003.gcd
4	0.300	118657	0.2983	0.300_352024_004.gcd
5	0.500	200468	0.5012	0.500_352024_005.gcd



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

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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

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
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Not Ready

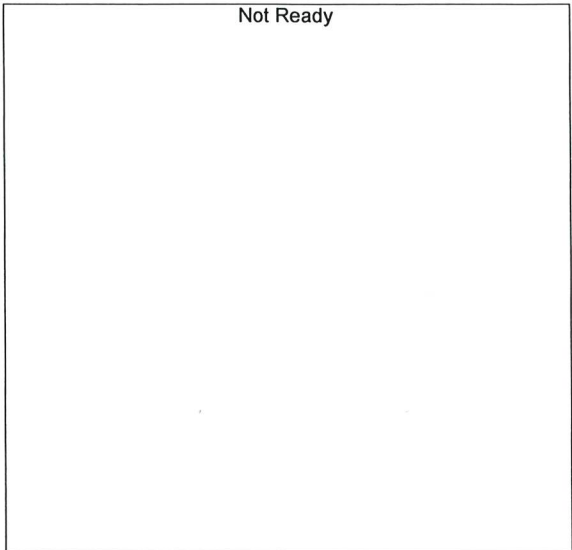
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

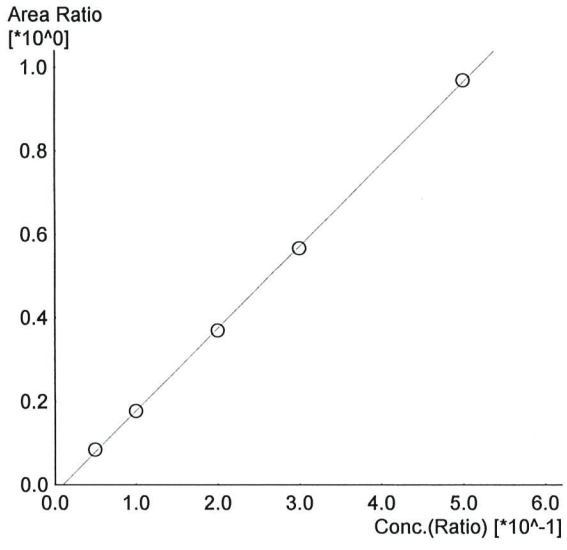
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.96988*x-0.0196530$
 R² value= 0.9997968
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	17146	0.0528	0.050_352024_001.gcd
2	0.100	36065	0.0998	0.100_352024_002.gcd
3	0.200	75419	0.1975	0.200_352024_003.gcd
4	0.300	116512	0.2974	0.300_352024_004.gcd
5	0.500	200183	0.5022	0.500_352024_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
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Not Ready

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
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Not Ready

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
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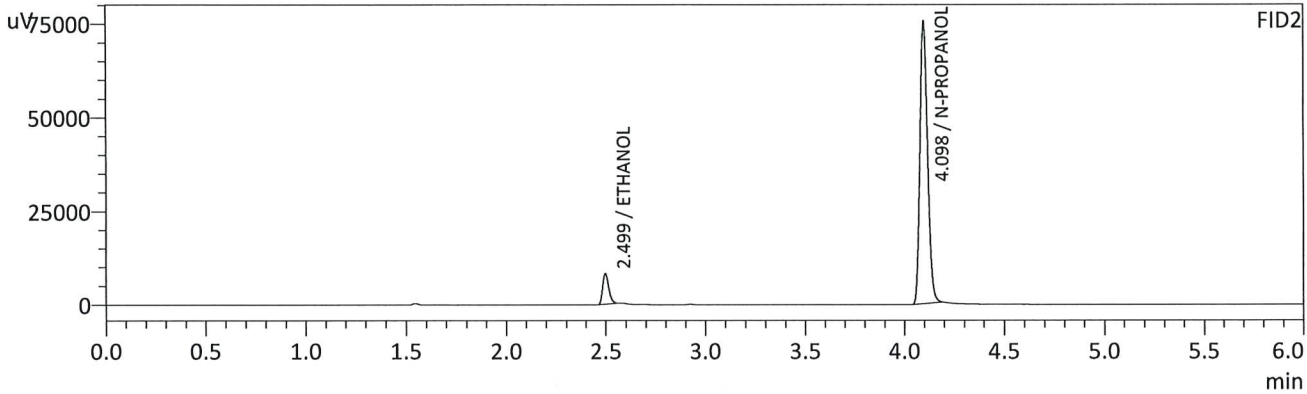
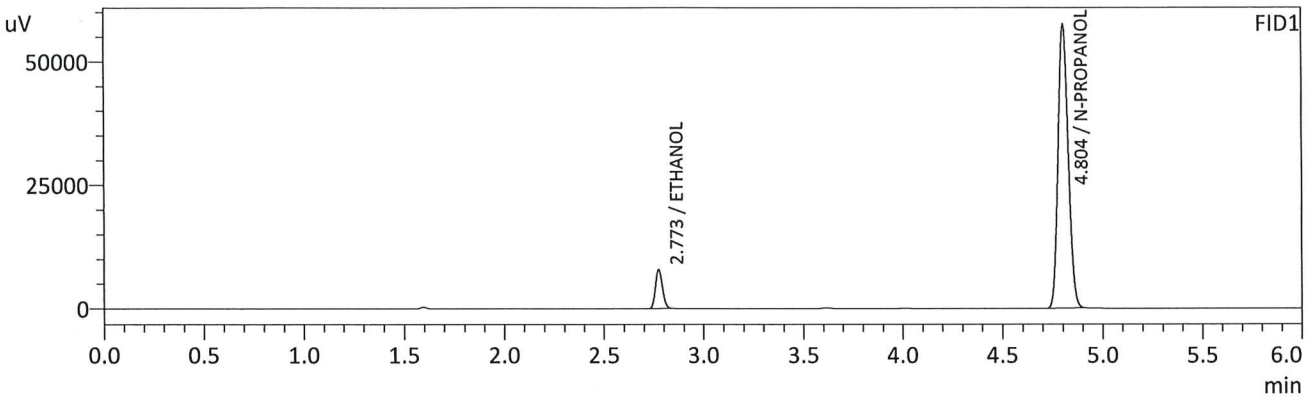
Not Ready

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_352024_001.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 2:42:00 PM
 Date Processed : 3/6/2024 9:09:57 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

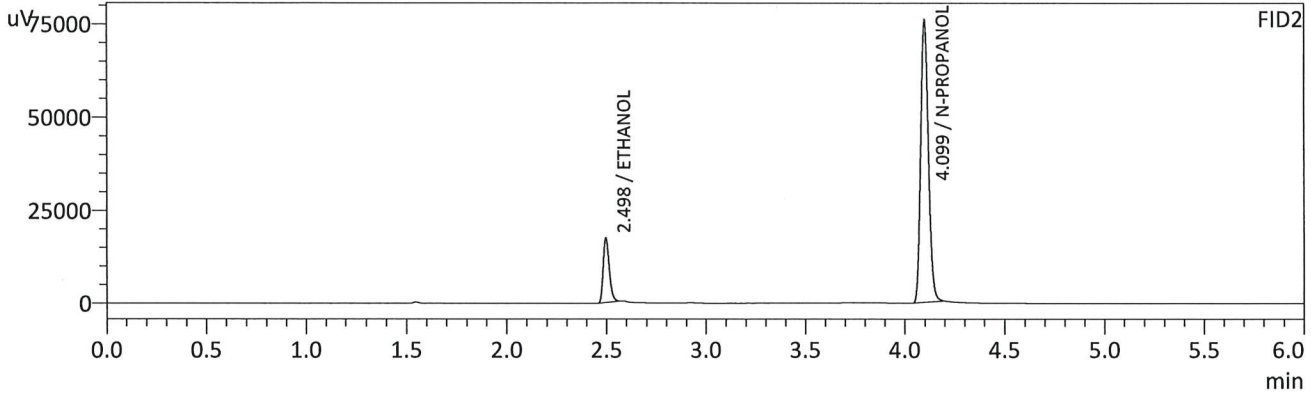
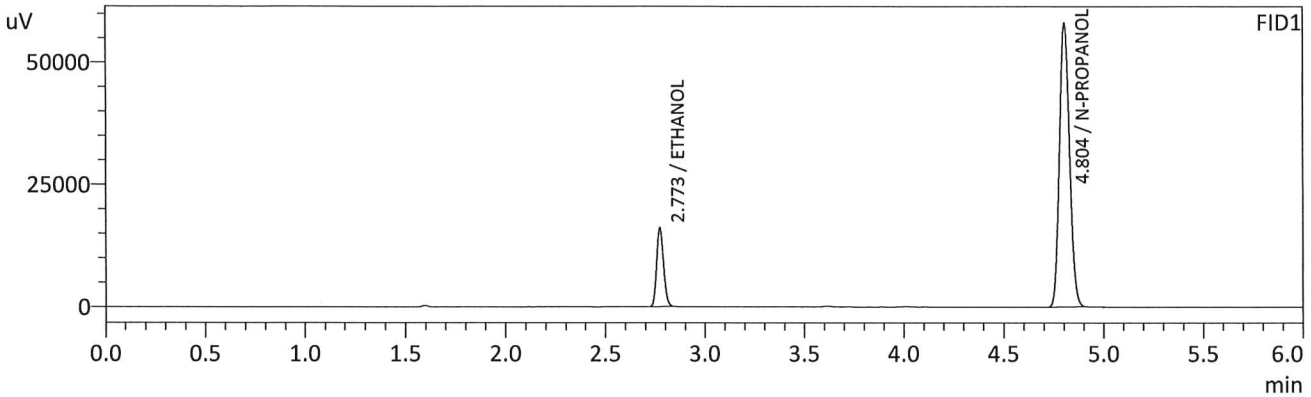
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	19076	7840
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204613	57508
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0528	g/100cc	17146	8149
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202862	75110
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ARC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_352024_002.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 2:51:31 PM
 Date Processed : 3/6/2024 9:10:01 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

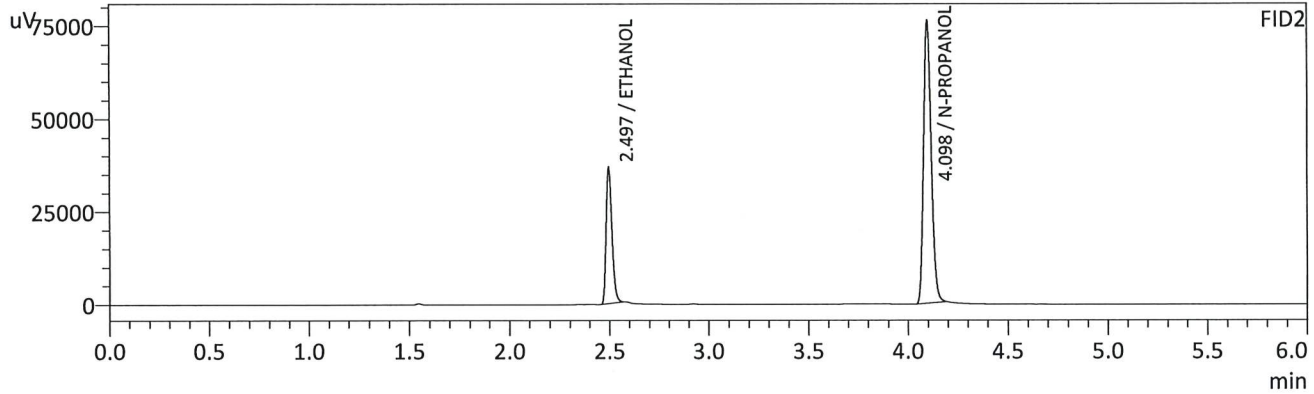
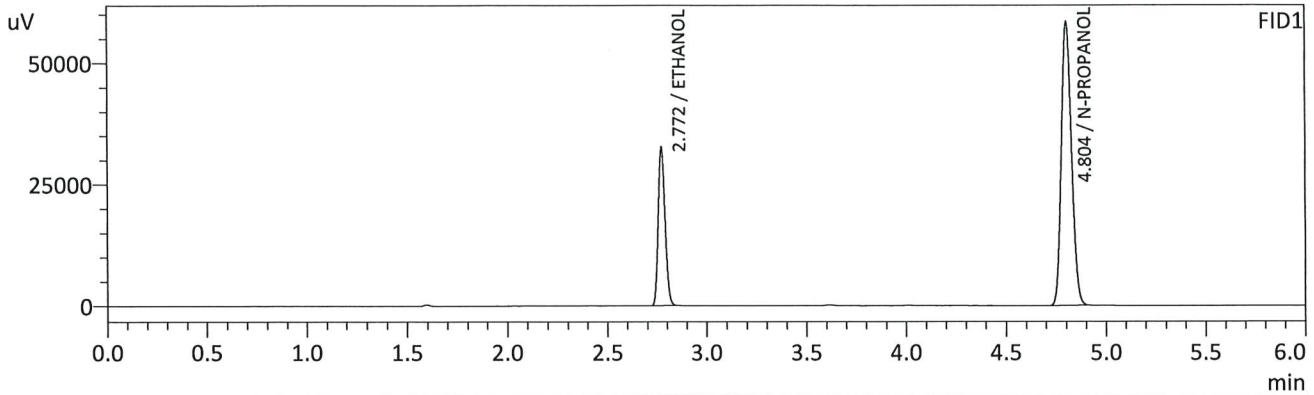
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	38729	15954
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205866	58040
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0998	g/100cc	36065	17238
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203658	75718
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_352024_003.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:00:51 PM
 Date Processed : 3/6/2024 9:10:04 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

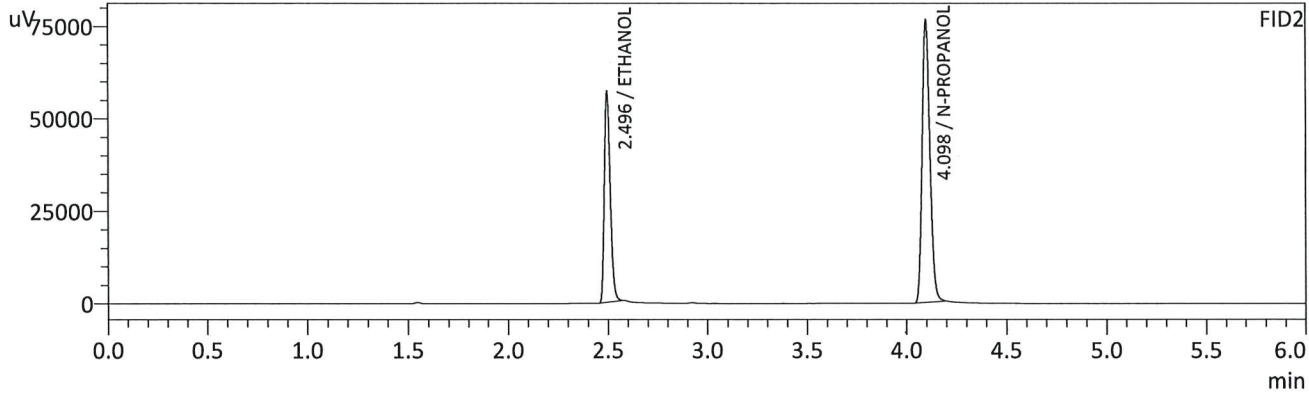
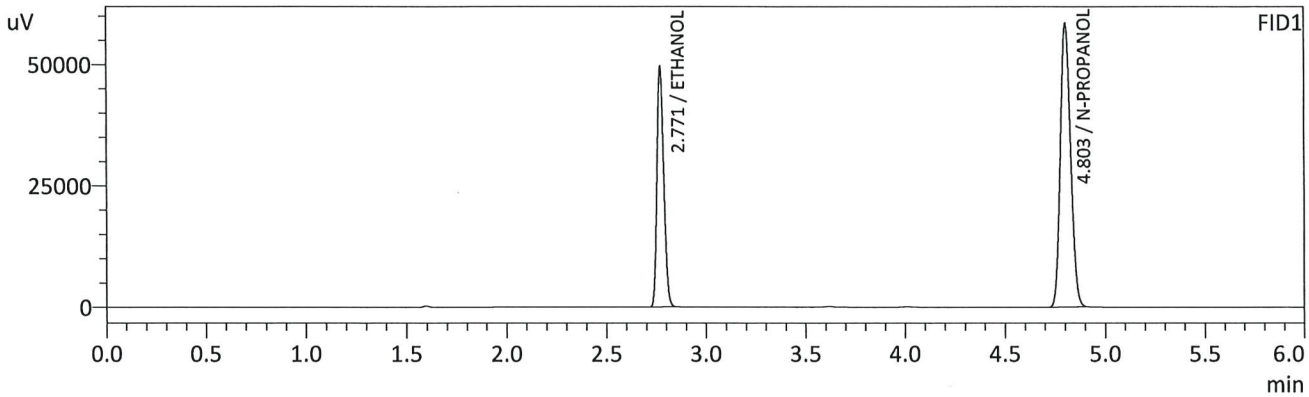
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1989	g/100cc	78284	32375
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	206810	58340
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1975	g/100cc	75419	36272
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204101	75538
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_352024_004.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:10:36 PM
 Date Processed : 3/6/2024 9:10:07 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

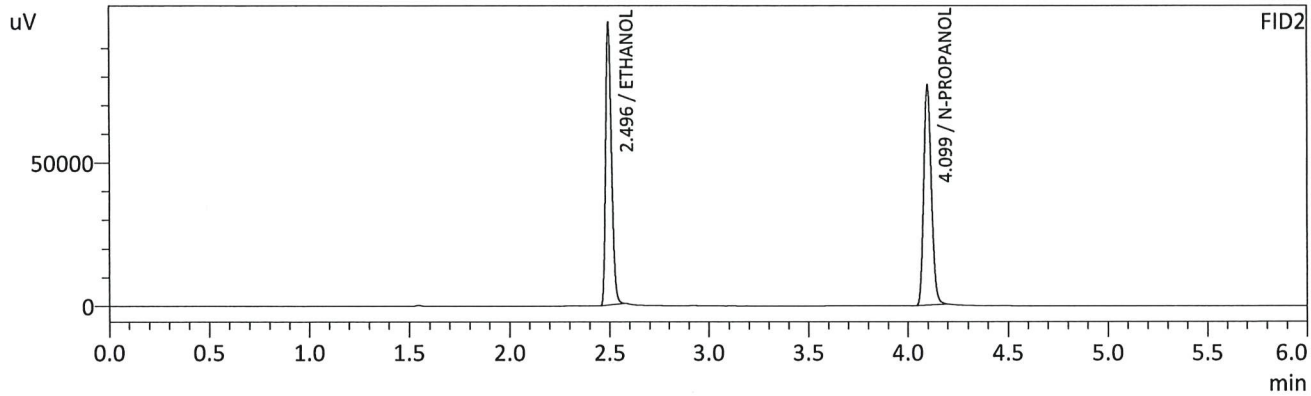
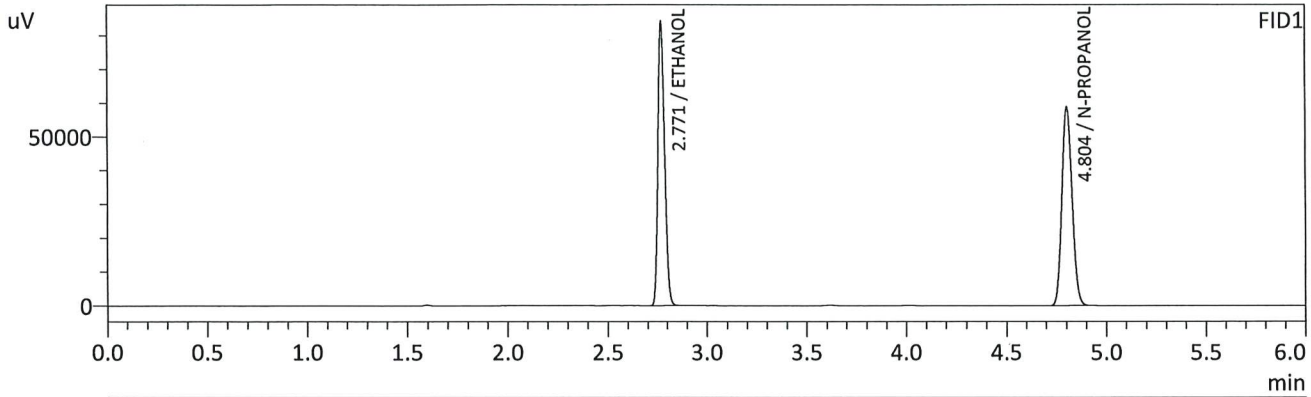
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	118657	49400
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207993	58411
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2974	g/100cc	116512	56623
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205767	75929
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_352024_005.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:20:07 PM
 Date Processed : 3/6/2024 9:10:11 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

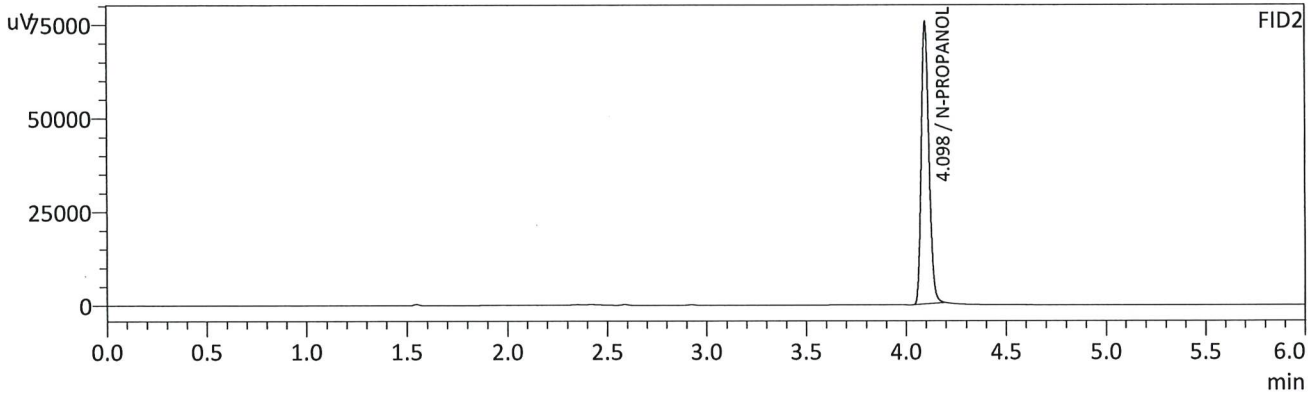
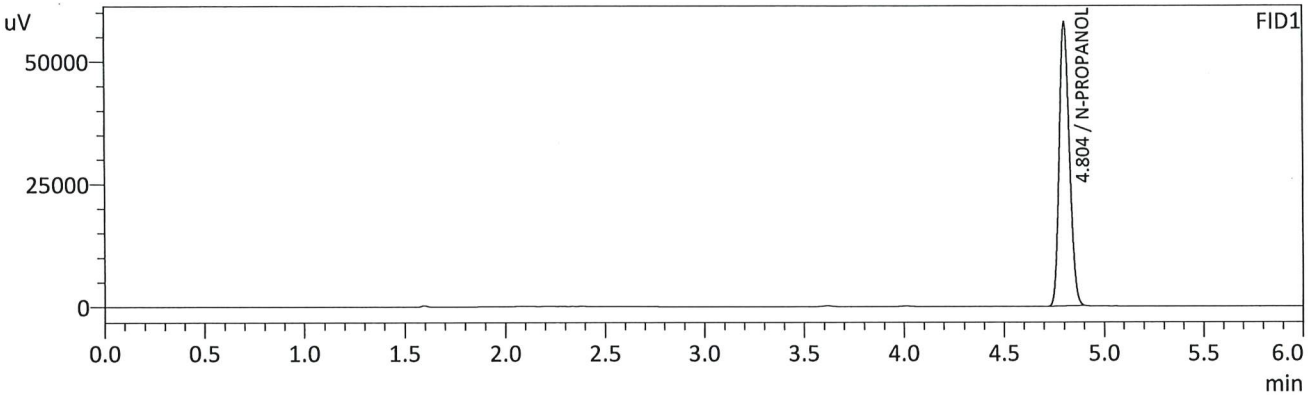
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	200468	83932
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	208392	58658
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5022	g/100cc	200183	98068
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	206431	76501
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_352024_006.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:29:25 PM
 Date Processed : 3/5/2024 3:35:26 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

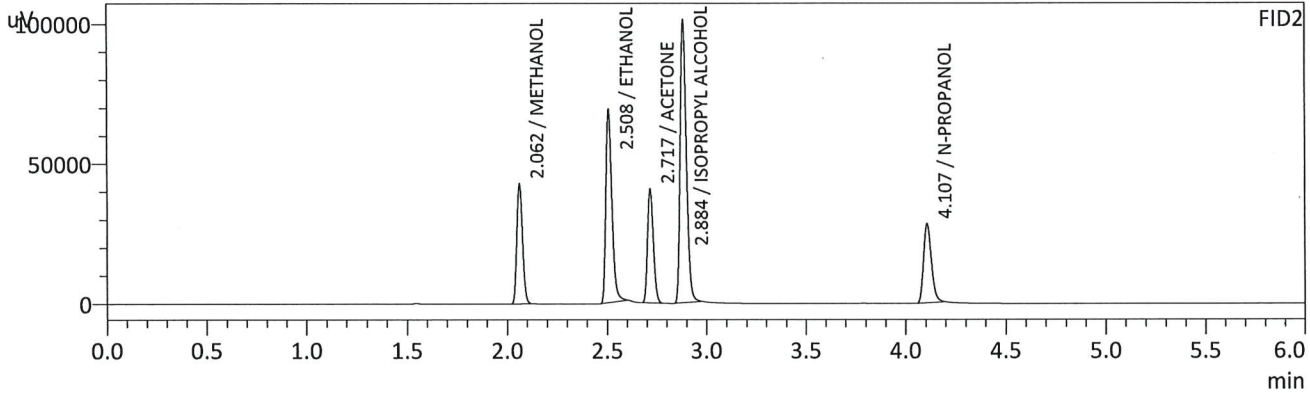
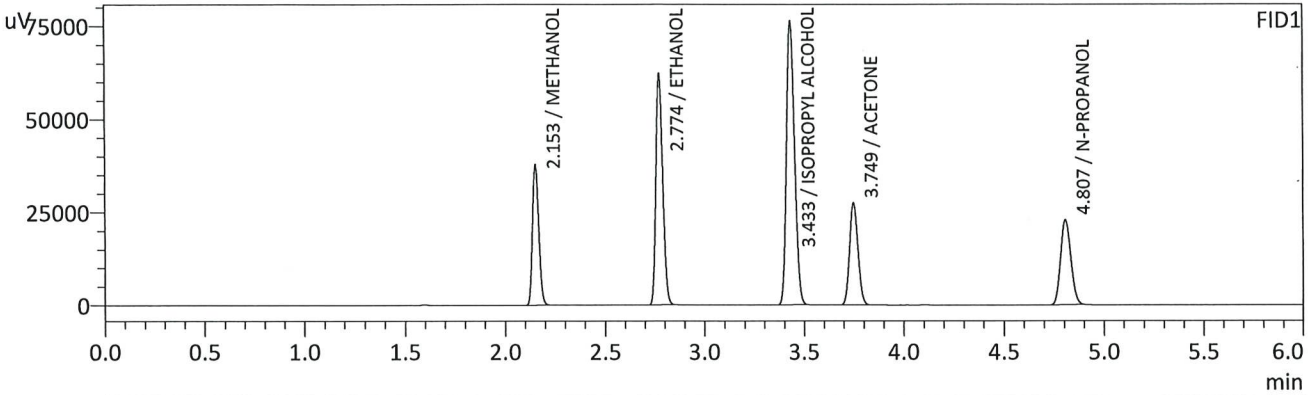
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204708	57799
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	202347	74890
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_352024_007.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:39:09 PM
 Date Processed : 3/5/2024 3:45:11 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

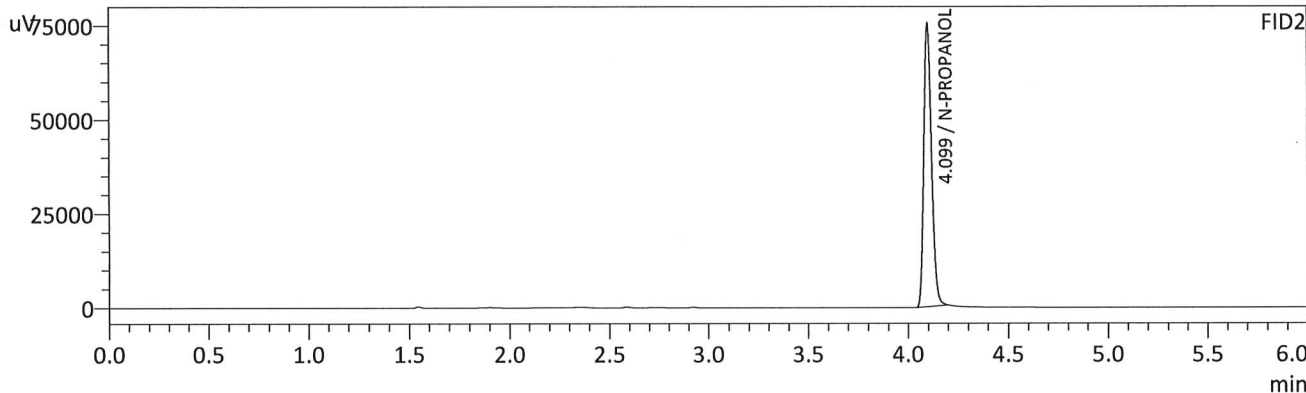
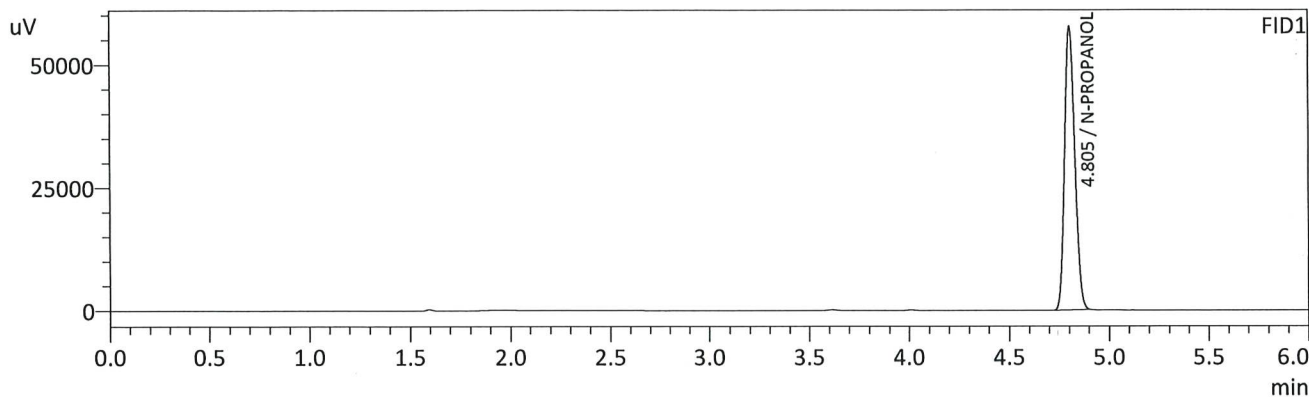
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	82552	37650
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.9564	g/100cc	149002	61962
ISOPROPYL ALCOHOL	0.0000	g/100cc	215893	76217
ACETONE	0.0000	g/100cc	79951	27349
N-PROPANOL	0.0000	g/100cc	80948	22782
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	86325	42640
ETHANOL	0.9702	g/100cc	144098	68713
ACETONE	0.0000	g/100cc	83313	40141
ISOPROPYL ALCOHOL	0.0000	g/100cc	217487	99677
N-PROPANOL	0.0000	g/100cc	76174	28051
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_352024_008.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:48:40 PM
 Date Processed : 3/5/2024 3:54:42 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



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	204319	57588
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	201679	75213
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 3/5/2024 3:57:58 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0835	0.0026	0.0822	0.0005	0.0824
(g/100cc)	0.0810	0.0845	0.0035	0.0827		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

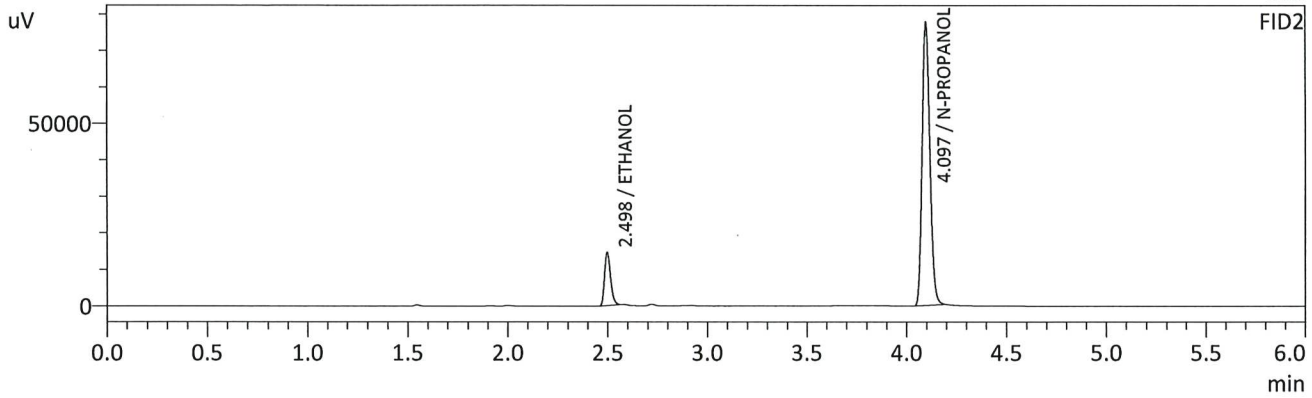
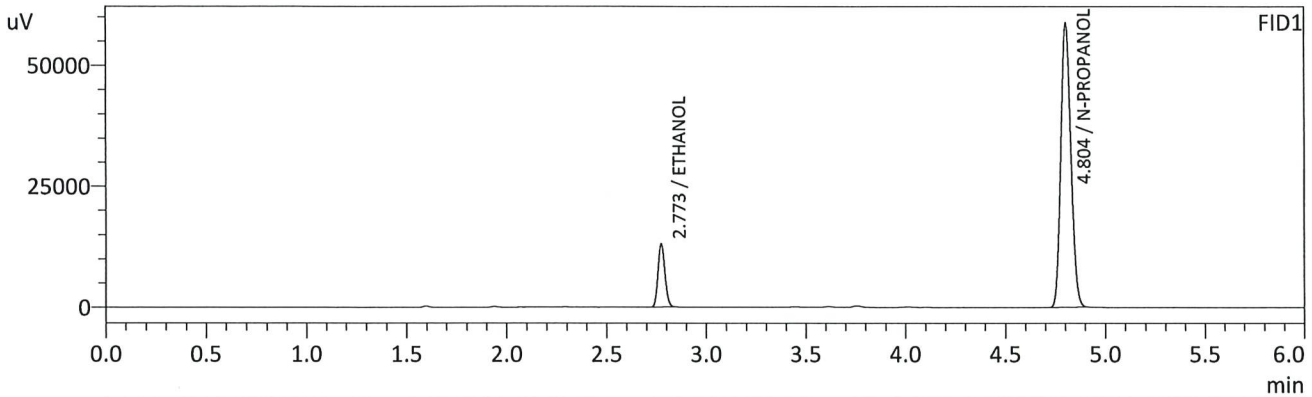
Refer To Instrument Method: ALCOHOL_030524_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		
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_352024_009.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 3:57:58 PM
 Date Processed : 3/5/2024 4:04:00 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

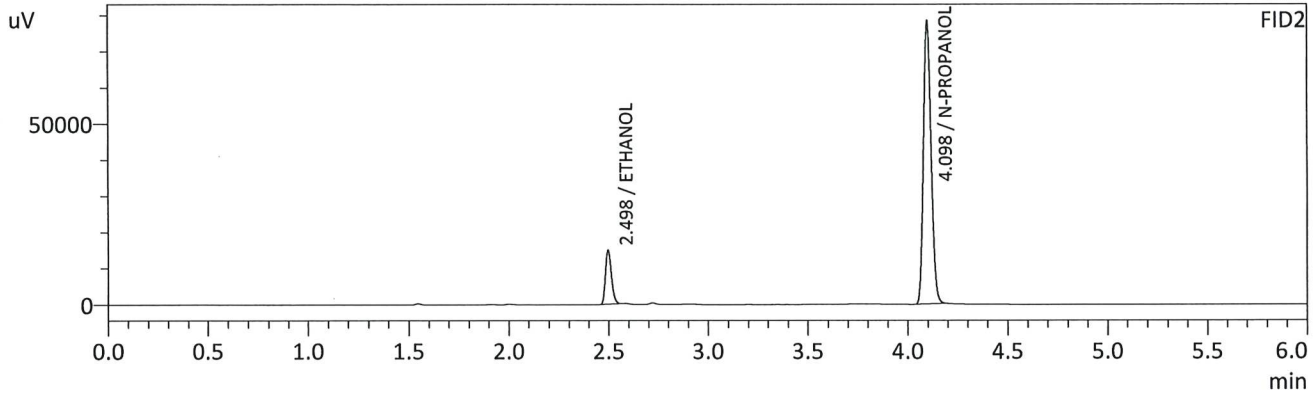
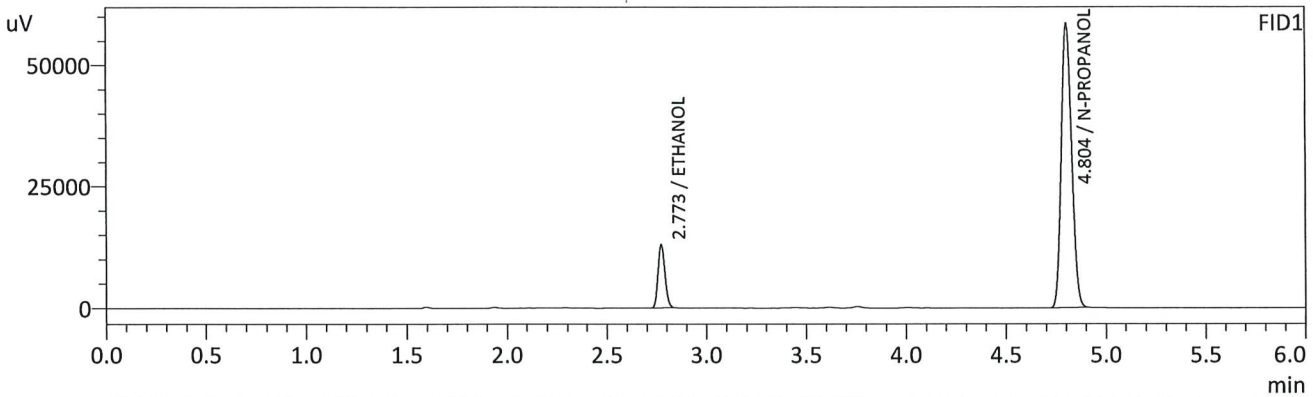
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	31363	12975
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207998	58626
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0835	g/100cc	30156	14397
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	208008	76989
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_352024_010.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 4:07:42 PM
 Date Processed : 3/5/2024 4:13:44 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	31292	12913
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207182	58404
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0845	g/100cc	30760	14794
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209296	77875
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 3/5/2024 4:17:15 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0851	0.0044	0.0829	0.0001	0.0829
(g/100cc)	0.0809	0.0852	0.0043	0.0830		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030524_RC.gcm

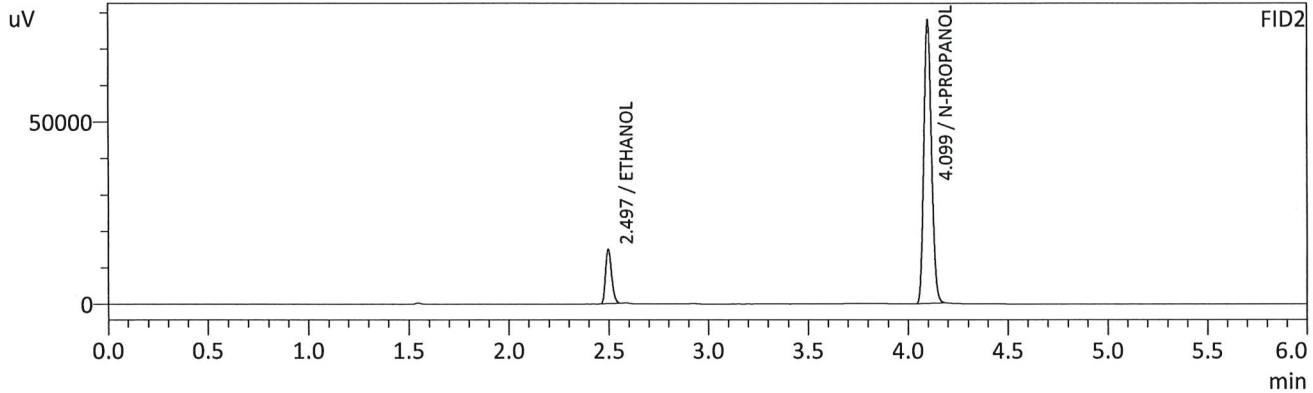
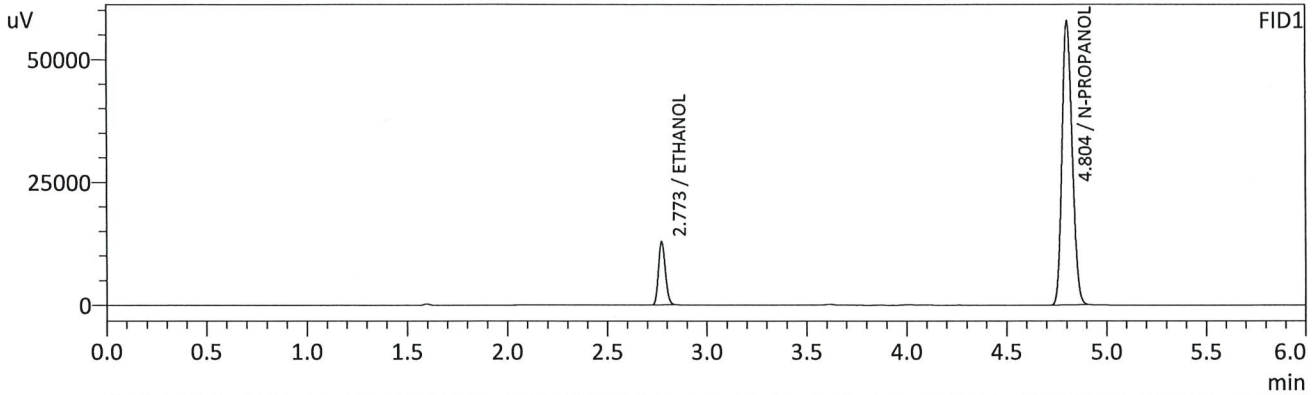
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

	Reported Results
	0.082

Calibration and control data are stored centrally.

XC

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_352024_011.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 4:17:15 PM
 Date Processed : 3/5/2024 4:23:17 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

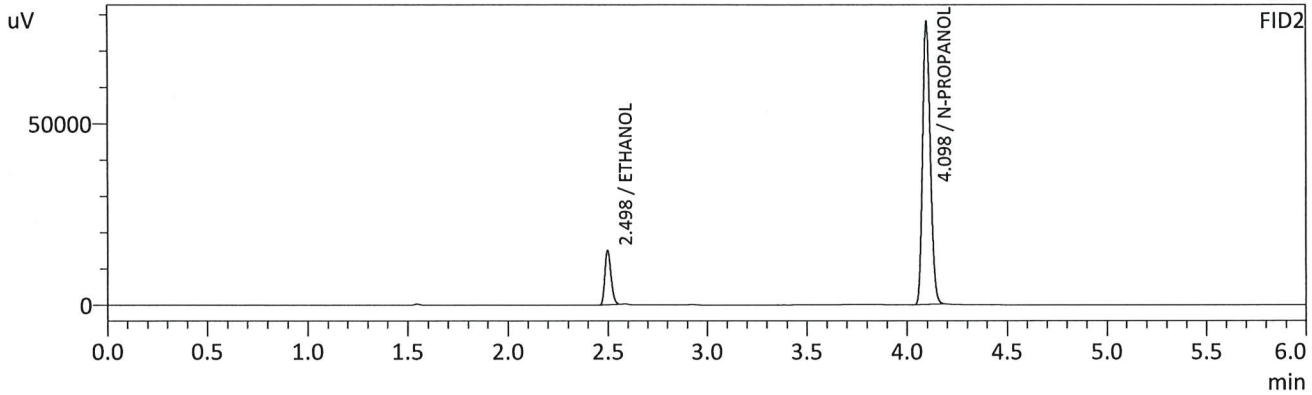
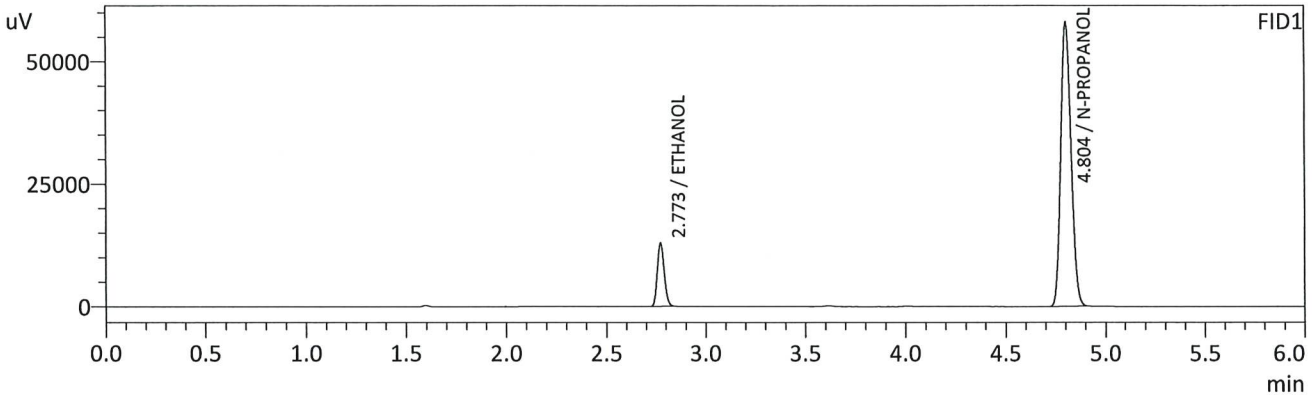
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	30806	12686
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204728	57720
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0851	g/100cc	30766	14773
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207799	77701
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_352024_012.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 4:26:36 PM
 Date Processed : 3/5/2024 4:32:37 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	30927	12781
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205257	57920
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0852	g/100cc	30867	14869
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	208276	77373
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 3/5/2024 7:27:42 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2065	0.2083	0.0018	0.2074	0.0004	0.2076
(g/100cc)	0.2069	0.2087	0.0018	0.2078		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

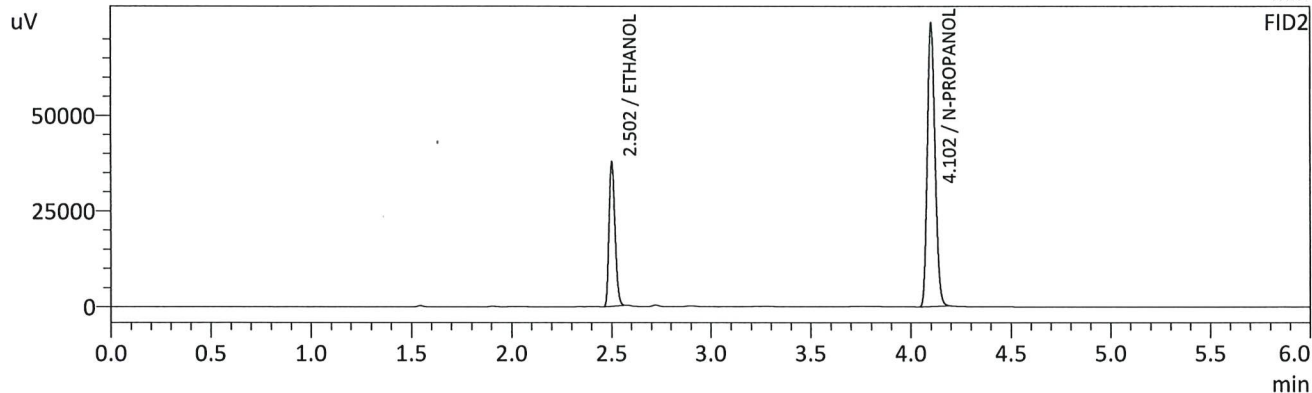
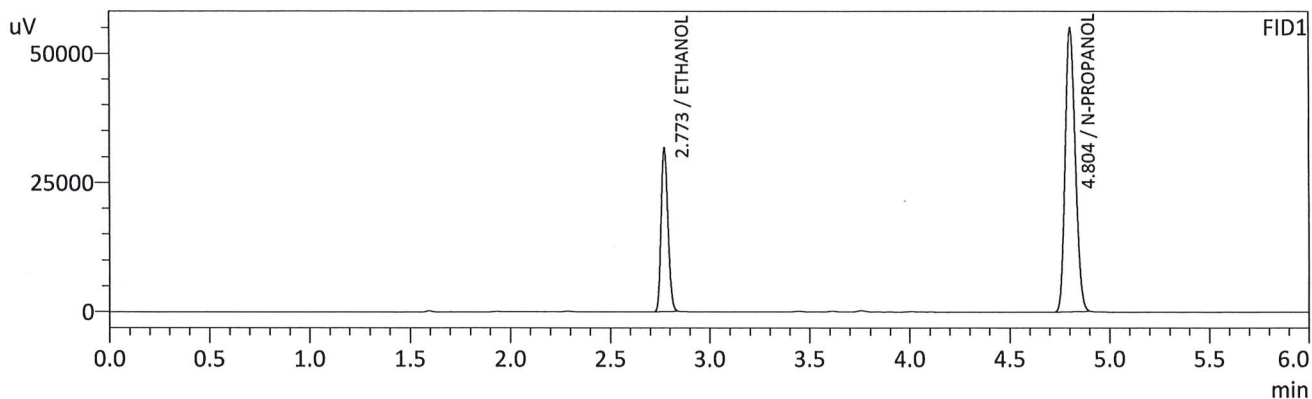
Refer To Instrument Method: ALCOHOL_030524_RC.gcm

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

	Reported Results
	0.207

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_352024_031.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 7:27:42 PM
 Date Processed : 3/5/2024 7:33:44 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

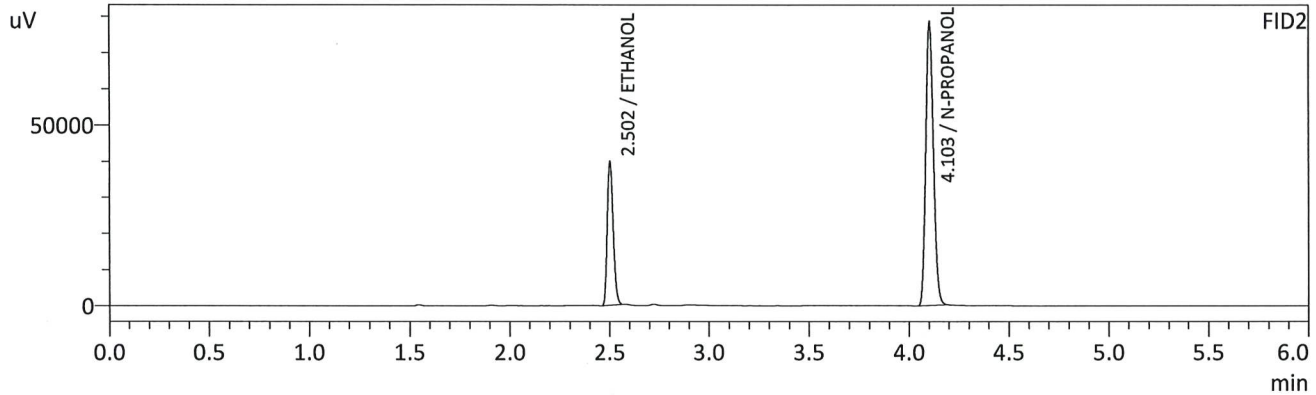
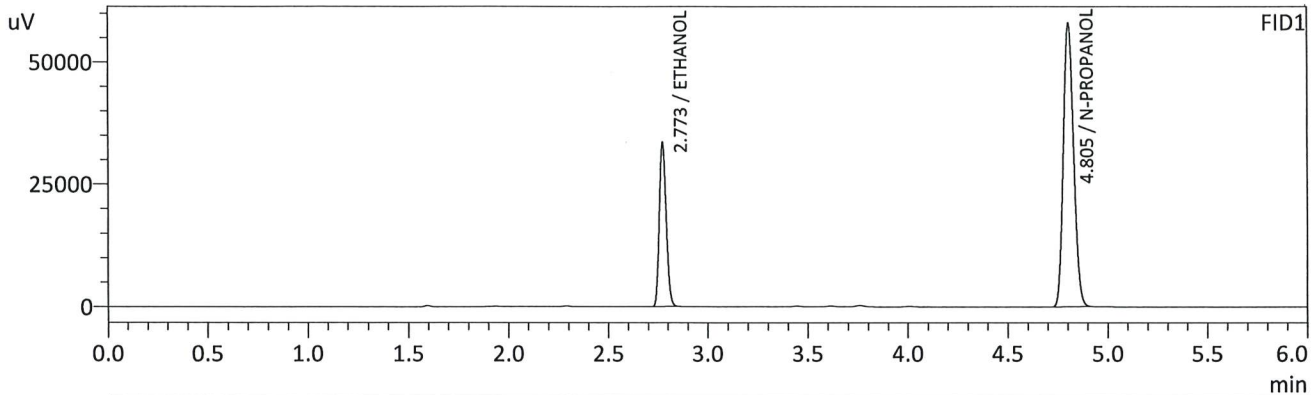
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2065	g/100cc	76531	31509
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194614	54980
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2083	g/100cc	77294	37141
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197762	73634
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_352024_032.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 7:37:15 PM
 Date Processed : 3/5/2024 7:43:16 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2069	g/100cc	81200	33340
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	206106	57987
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2087	g/100cc	82112	39504
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209661	77956
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 3/5/2024 10:57:14 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0880	0.0916	0.0036	0.0898	0.0001	0.0898
(g/100cc)	0.0882	0.0917	0.0035	0.0899		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

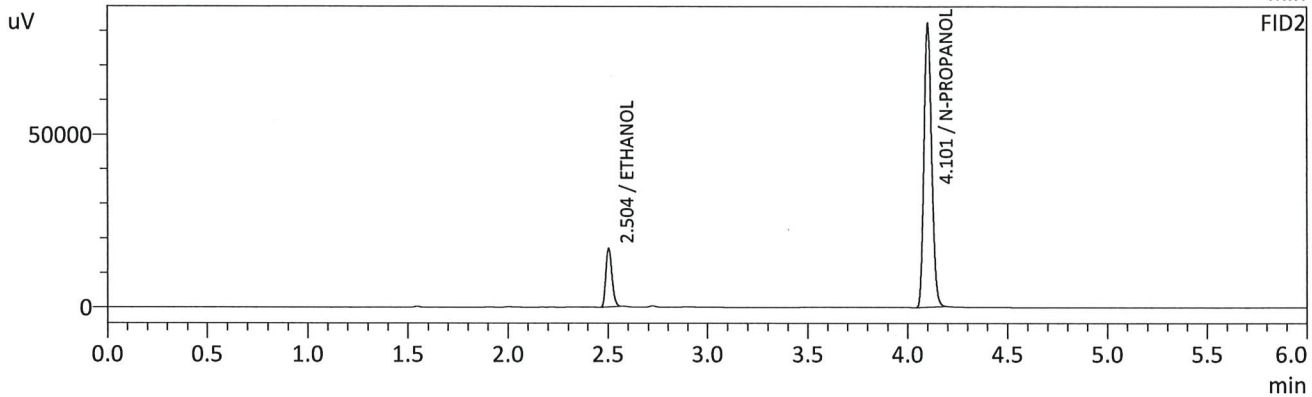
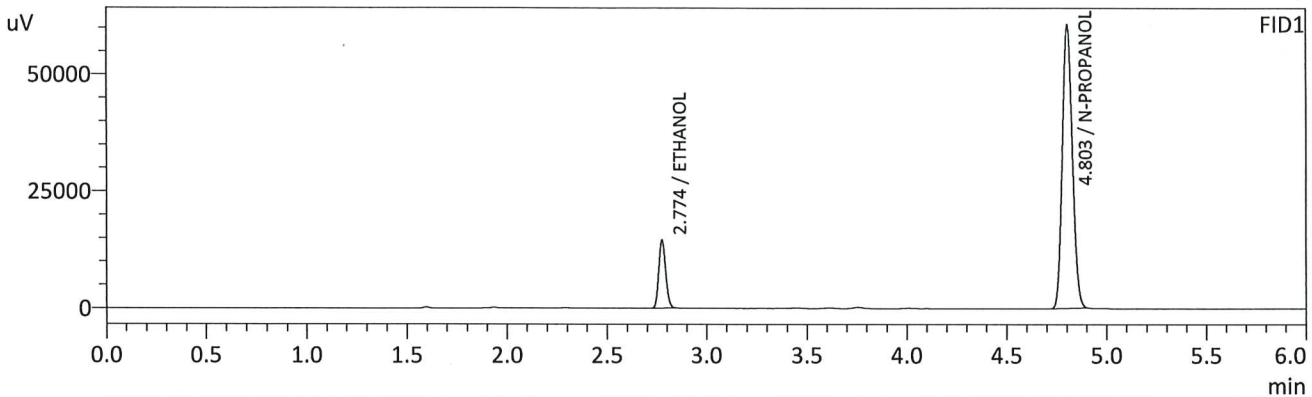
Refer To Instrument Method: ALCOHOL_030524_RC.gcm

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_352024_053.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 10:57:14 PM
 Date Processed : 3/5/2024 11:03:16 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

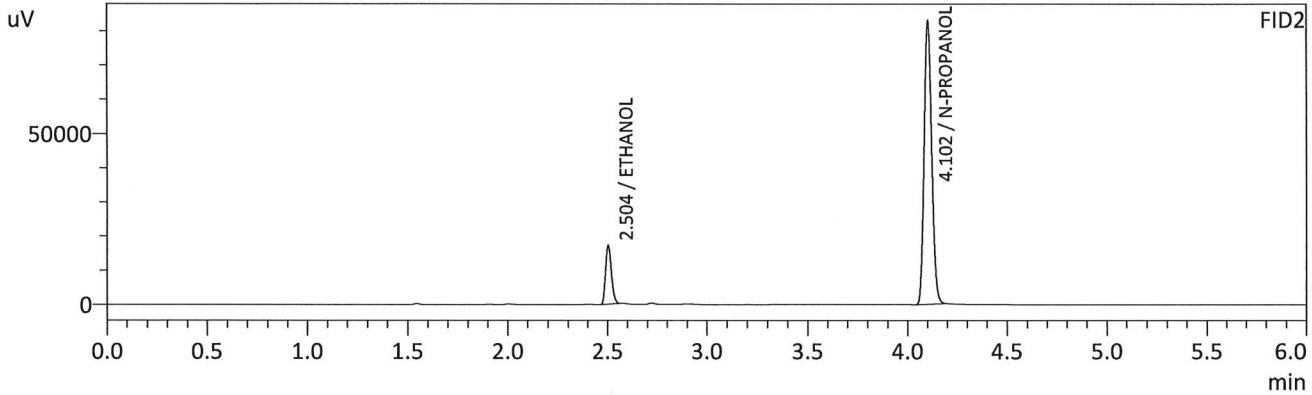
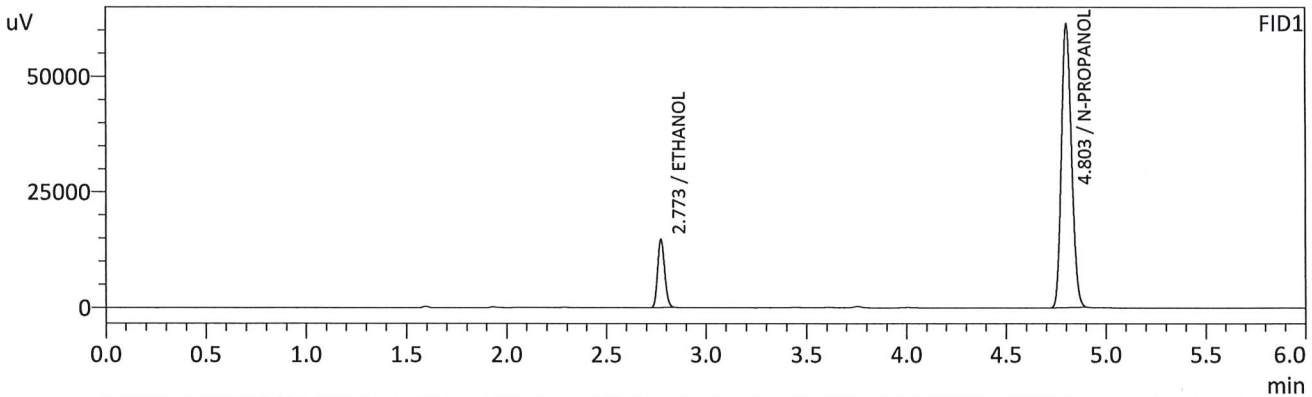
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0880	g/100cc	35350	14515
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	214924	60533
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0916	g/100cc	35246	16960
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	219171	81853
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_352024_054.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 11:06:33 PM
 Date Processed : 3/5/2024 11:12:35 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



FID1

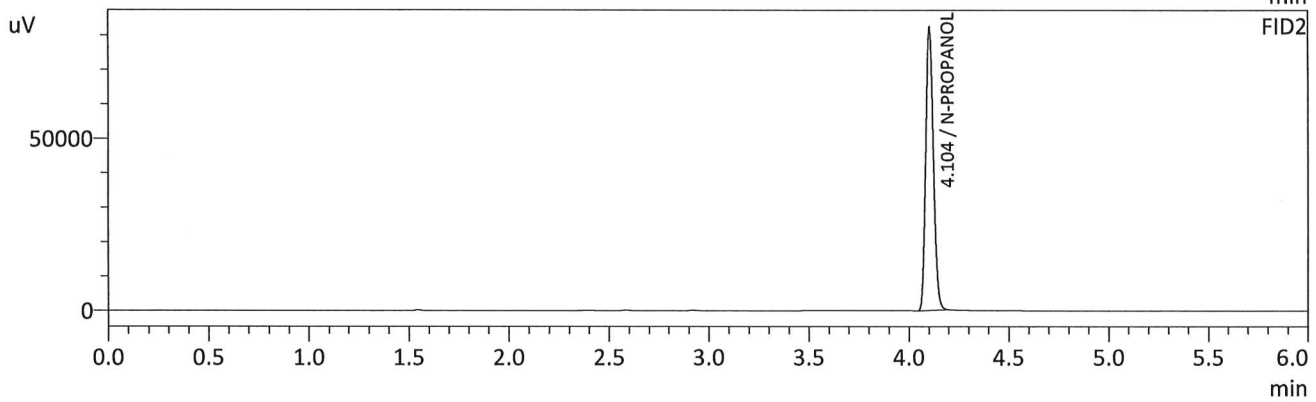
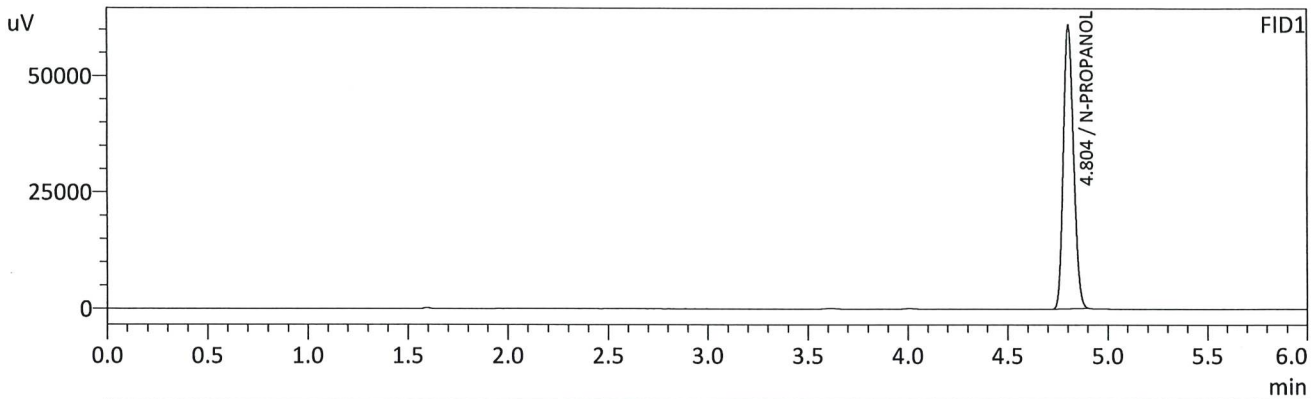
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	35745	14676
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	216946	61180
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0917	g/100cc	35602	17148
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	221018	82257
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_352024_055.gcd
 Method Filename : ALCOHOL_030524_RC.gcm
 Batch Filename : BATCH_030524_RC.gcb
 Date Acquired : 3/5/2024 11:16:24 PM
 Date Processed : 3/5/2024 11:22:26 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030524_RC.gcm



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	215474	60966
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	219386	82146
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

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_030524_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_030524_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_030524_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_030524_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_030524_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_030524_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_030524_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_030524_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_030524_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_030524_RC.gcm		0
13	P2024-0422-2	0:Unknown	ALCOHOL_030524_RC.gcm		0
14	P2024-0422-2-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
15	P2024-0502-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
16	P2024-0502-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
17	P2024-0526-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
18	P2024-0526-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
19	P2024-0527-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
20	P2024-0527-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
21	P2024-0534-2	0:Unknown	ALCOHOL_030524_RC.gcm		0
22	P2024-0534-2-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
23	P2024-0553-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
24	P2024-0553-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
25	P2024-0570-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
26	P2024-0570-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
27	P2024-0580-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
28	P2024-0580-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
29	P2024-0581-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
30	P2024-0581-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
33	P2024-0582-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
34	P2024-0582-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
35	P2024-0590-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
36	P2024-0590-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
37	P2024-0630-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
38	P2024-0630-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
39	P2024-0638-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
40	P2024-0638-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
41	P2024-0639-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
42	P2024-0639-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
43	P2024-0642-2	0:Unknown	ALCOHOL_030524_RC.gcm		0
44	P2024-0642-2-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
45	P2024-0644-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
46	P2024-0644-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
47	P2024-0671-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
48	P2024-0671-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
49	P2024-0673-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
50	P2024-0673-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
51	P2024-0674-1	0:Unknown	ALCOHOL_030524_RC.gcm		0
52	P2024-0674-1-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_030524_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_030524_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_030524_RC.gcm		0