




REVIEWED

By Tamara Salazar at 12:02 pm, Mar 24, 2023

3/24/2023

Worklist: 6289

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0634	2	BCK	Alcohol Analysis	
P2023-0783	1	BCK	Alcohol Analysis	
P2023-0784	1	BCK	Alcohol Analysis	
P2023-0786	1	BCK	Alcohol Analysis	
P2023-0809	1	BCK	Alcohol Analysis	
P2023-0810	1	BCK	Alcohol Analysis	
P2023-0816	1	BCK	Alcohol Analysis	
P2023-0817	1	BCK	Alcohol Analysis	
P2023-0826	1	BCK	Alcohol Analysis	
P2023-0828	1	BCK	Alcohol Analysis	
P2023-0829	1	BCK	Alcohol Analysis	
P2023-0857	1	BCK	Alcohol Analysis	
P2023-0878	1	BCK	Alcohol Analysis	
P2023-0905	1	BCK	Alcohol Analysis	
P2023-0907	1	BCK	Alcohol Analysis	
P2023-0907	2	BCK	Alcohol Analysis	
P2023-0909	1	BCK	Alcohol Analysis	
P2023-0917	1	BCK	Alcohol Analysis	
P2023-0921	1	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): 3-23-23

Calibration Date: (if different) :

Worklist #: 6289

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0724 g/100cc
					0.0799 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2131 g/100cc
					0.2240 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:			Column 1	0.99996	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	0.0507	0.0518	0.0011	0.0512
100	0.100	0.090 - 0.110	0.1004	0.1001	0.0003	0.1002
200	0.200	0.180 - 0.220	0.1990	0.1983	0.0007	0.1986
300	0.300	0.270 - 0.330	0.2987	0.2980	0.0007	0.2983
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5009	0.5016	0.0007	0.5012

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 #:	6289	Run Date(s):	3-23-23
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Internal Standard Solution:	Prep Date: 3/6/2023	Exp Date: 9/6/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	168512	178919
0.080	168960	179436
QC1	171365	182183
QC1	172263	182812
QC1	183027	193682
QC1	182295	192871
QC1		
QC1		
QC2	168795	177701
QC2	169350	178342
QC2	182989	193042
QC2	189461	200040
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	175701.7	140561.4	210842.0
Column 2	185902.8	148722.2	223083.4

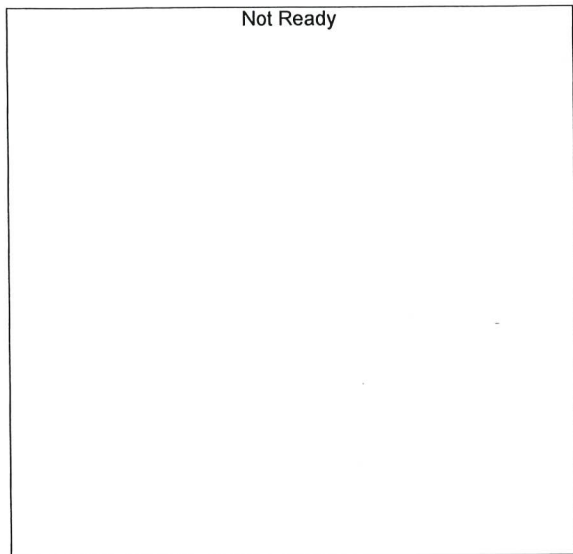


Revision: 5
 Issue Date: 07/05/2022
 Issuing Authority: Quality Manager

Calibration Table

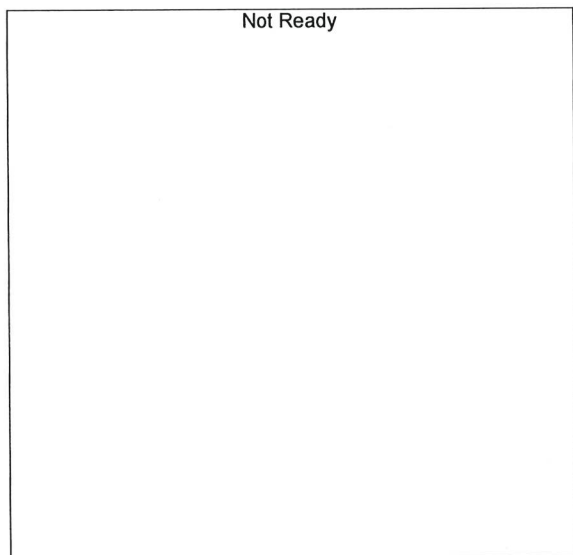
Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

<<Data File>>
 Method File :Default Project - ALCOHOL_32323_RC.gcm
 Batch File :Default Project - BATCH_32323_RC.gcb
 Date Acquired :3/23/2023 4:20:01 PM
 Date Created :3/23/2023 4:16:32 PM
 Date Modified :3/24/2023 7:54:20 AM



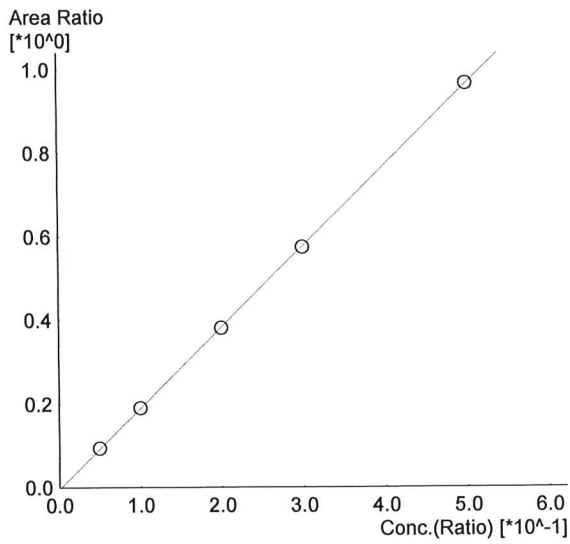
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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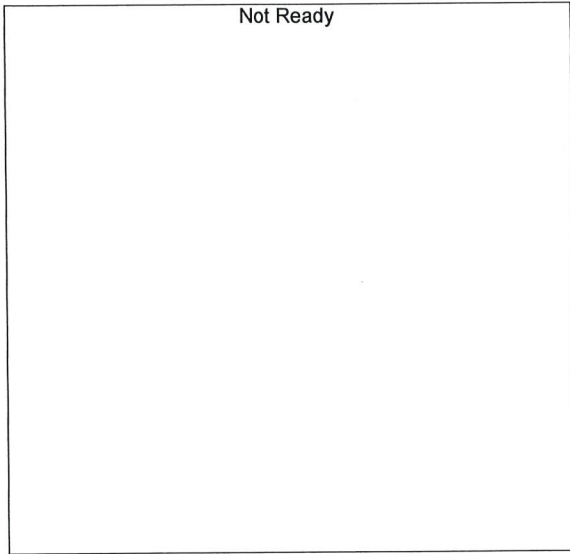
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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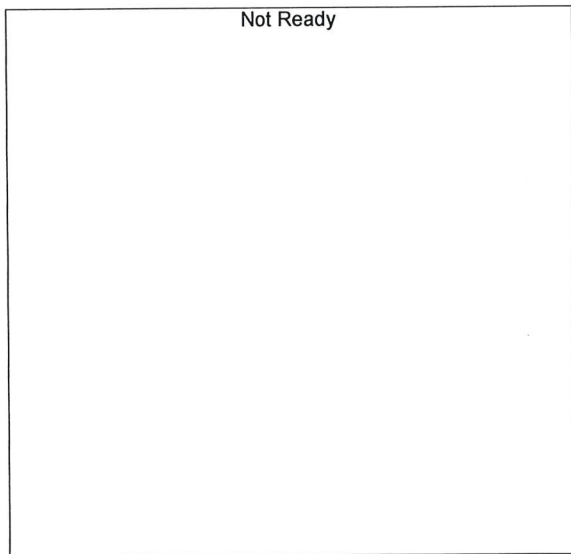
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.93665*x-0.00470578$
 R² value= 0.9999679
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15846	0.0507	0.050_3232023_001.gcd
2	0.100	32214	0.1004	0.100_3232023_002.gcd
3	0.200	65519	0.1990	0.200_3232023_003.gcd
4	0.300	99102	0.2987	0.300_3232023_004.gcd
5	0.500	167276	0.5009	0.500_3232023_005.gcd



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

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

#	Conc.	Area	Std. Conc.	Data File Name
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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

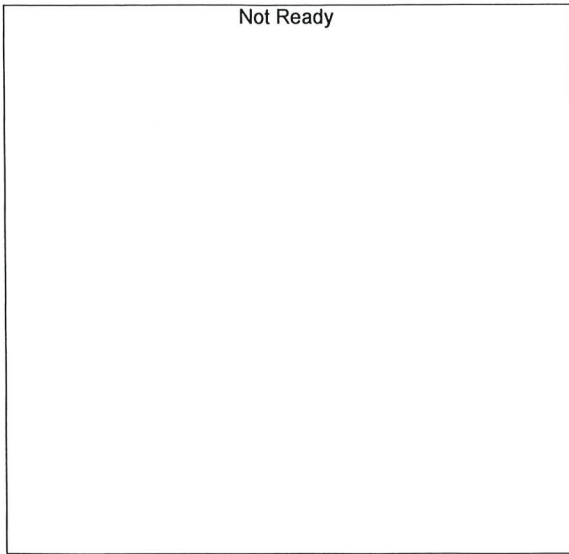
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

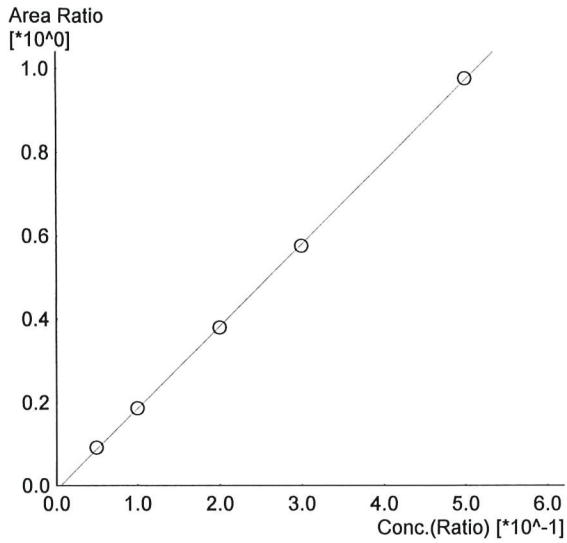
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	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 : $f(x)=1.96603*x-0.0108193$
 R² value= 0.9998976
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16288	0.0518	0.050_3232023_001.gcd
2	0.100	33541	0.1001	0.100_3232023_002.gcd
3	0.200	69114	0.1983	0.200_3232023_003.gcd
4	0.300	105067	0.2980	0.300_3232023_004.gcd
5	0.500	178699	0.5016	0.500_3232023_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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Handwritten signature/initials

Not Ready

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

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

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

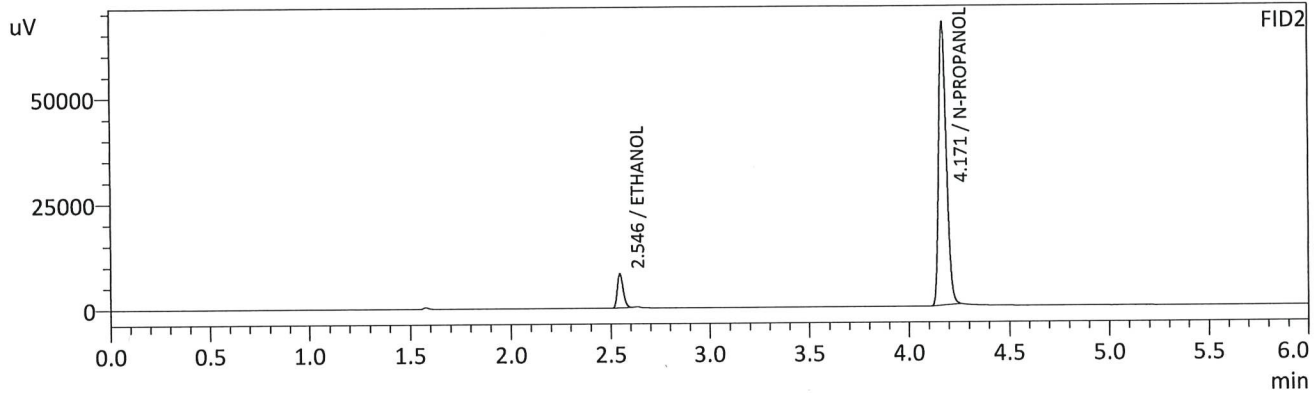
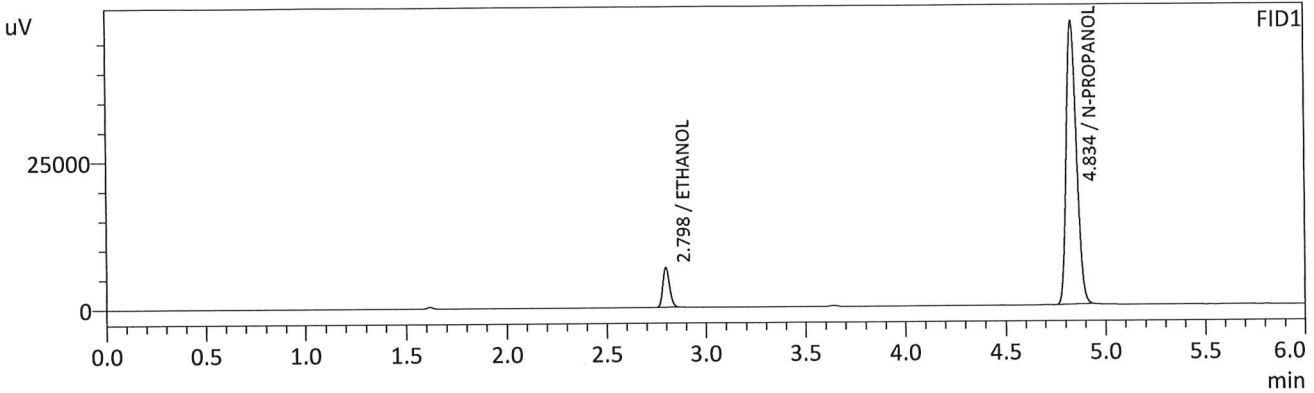
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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
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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_3232023_001.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 3:41:54 PM
 Date Processed : 3/24/2023 7:54:06 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

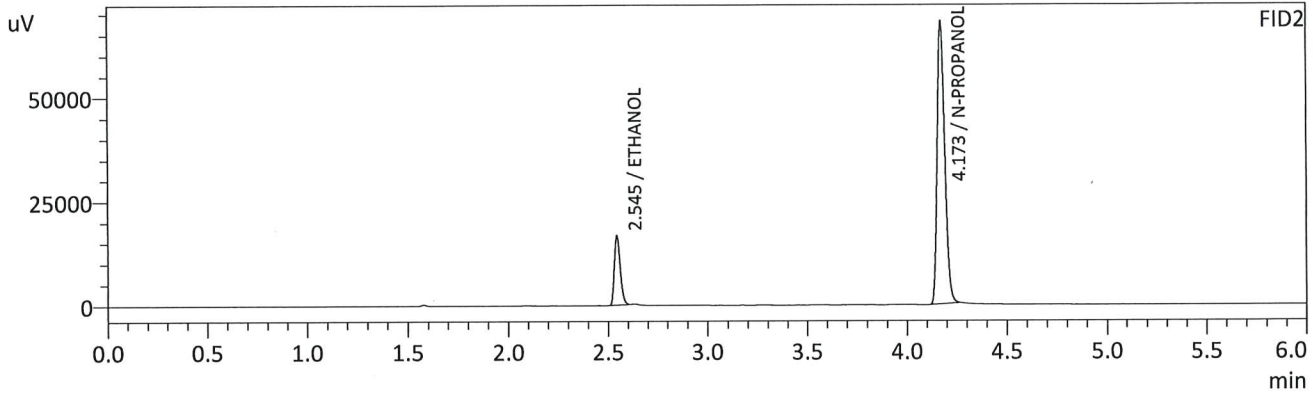
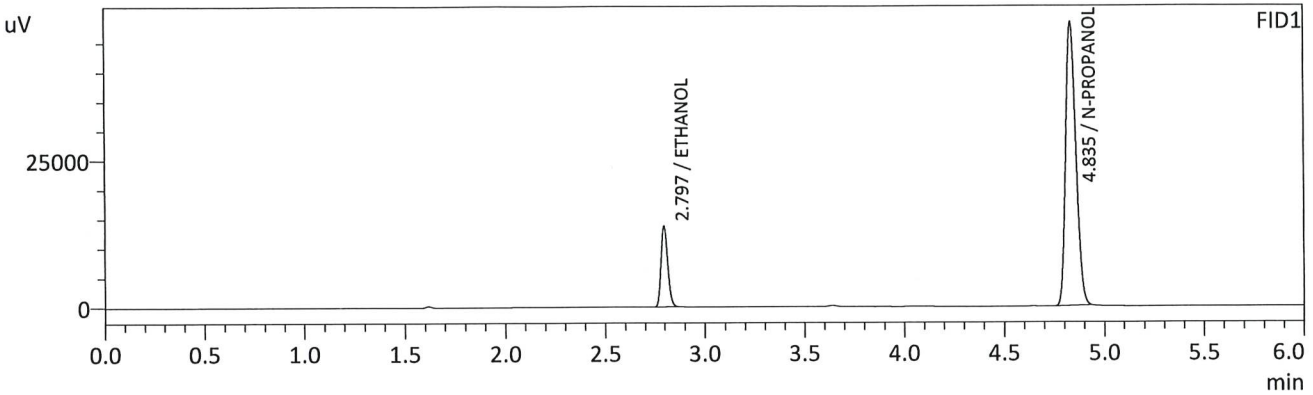
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0507	g/100cc	15846	6728
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169162	48023
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	16288	8034
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178678	66802
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_3232023_002.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 3:51:25 PM
 Date Processed : 3/24/2023 7:54:10 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

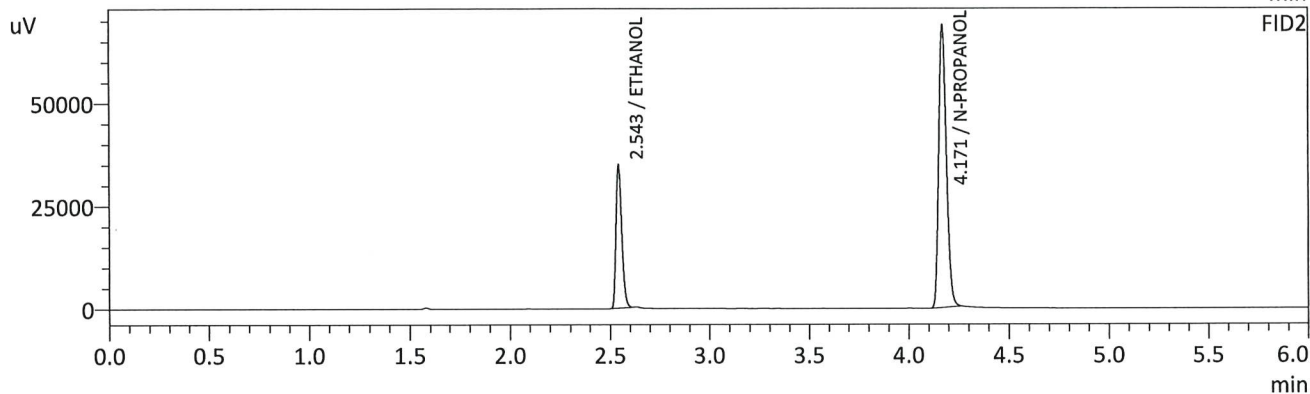
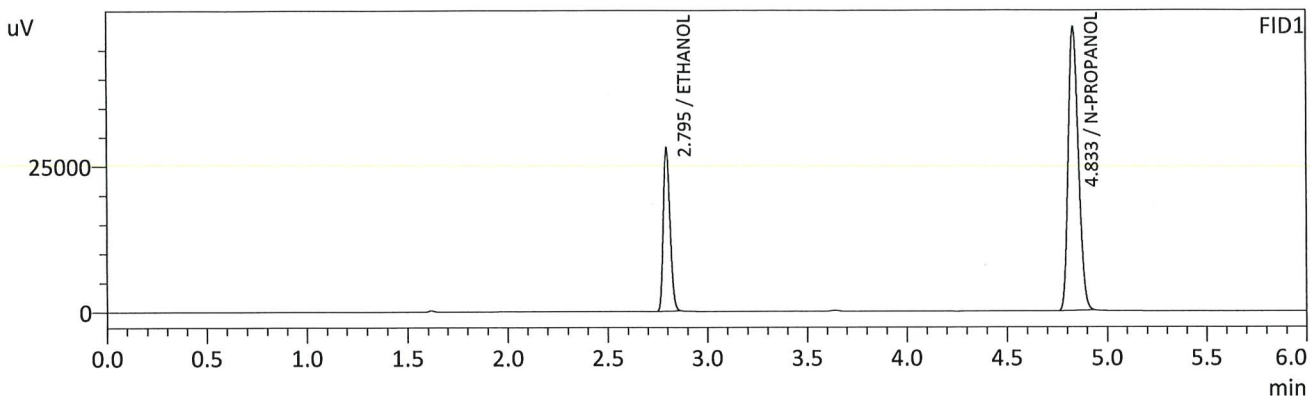
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	32214	13713
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169737	48075
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	33541	16604
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180220	67591
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_3232023_003.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:00:45 PM
 Date Processed : 3/24/2023 7:54:14 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

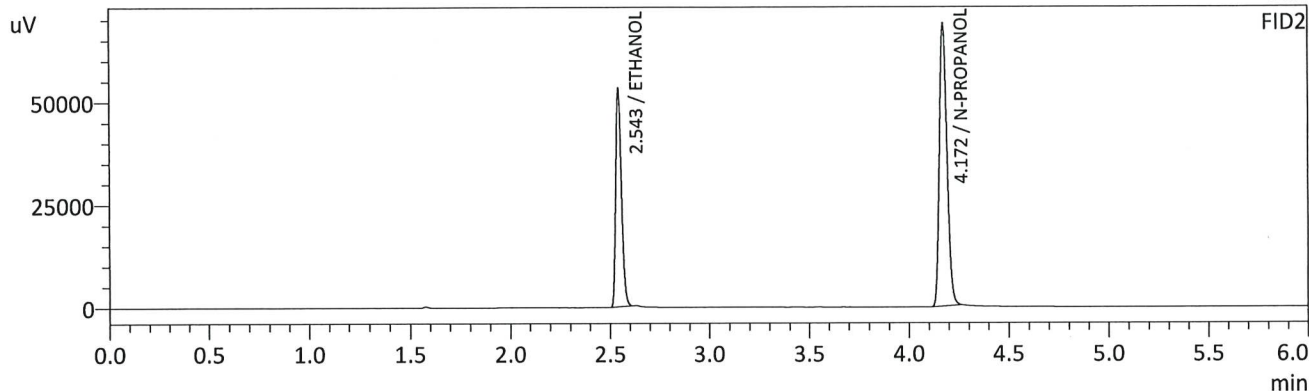
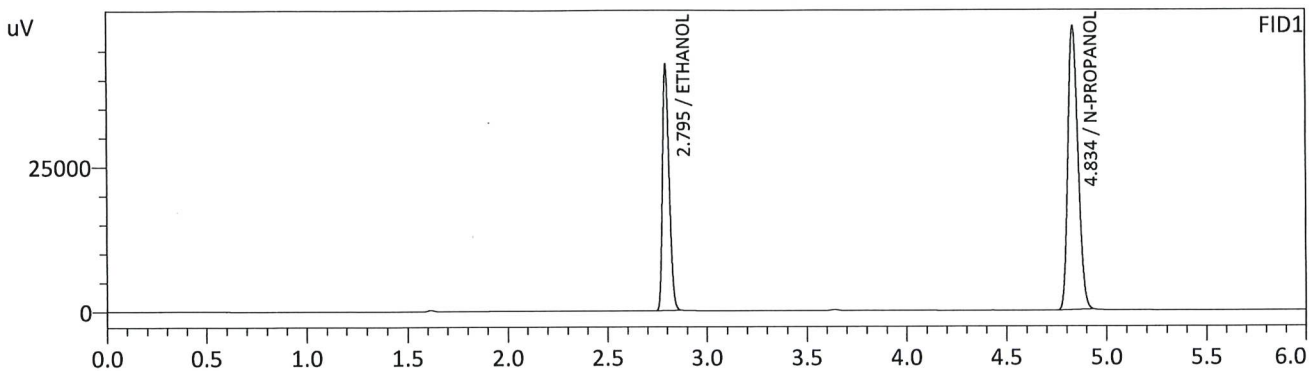
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1990	g/100cc	65519	27780
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172072	48804
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1983	g/100cc	69114	34476
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182334	68511
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JAC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_3232023_004.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:10:31 PM
 Date Processed : 3/24/2023 7:54:17 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

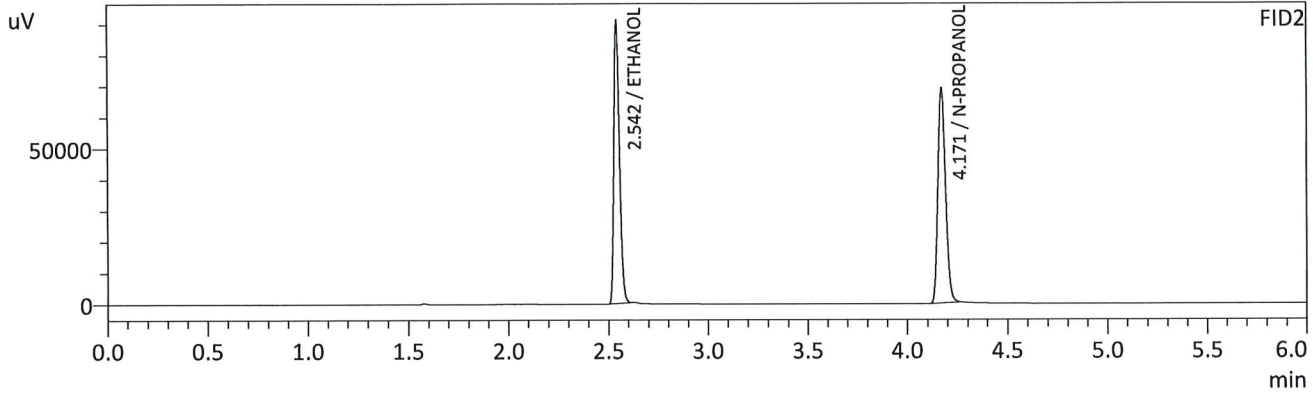
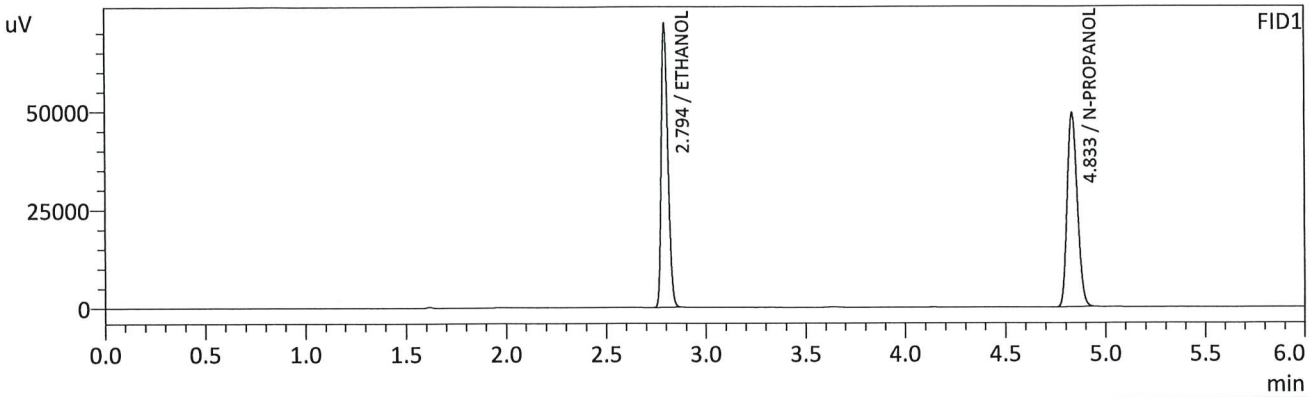
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	99102	42270
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172670	48926
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2980	g/100cc	105067	52777
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182703	68094
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_3232023_005.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:20:01 PM
 Date Processed : 3/24/2023 7:54:20 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

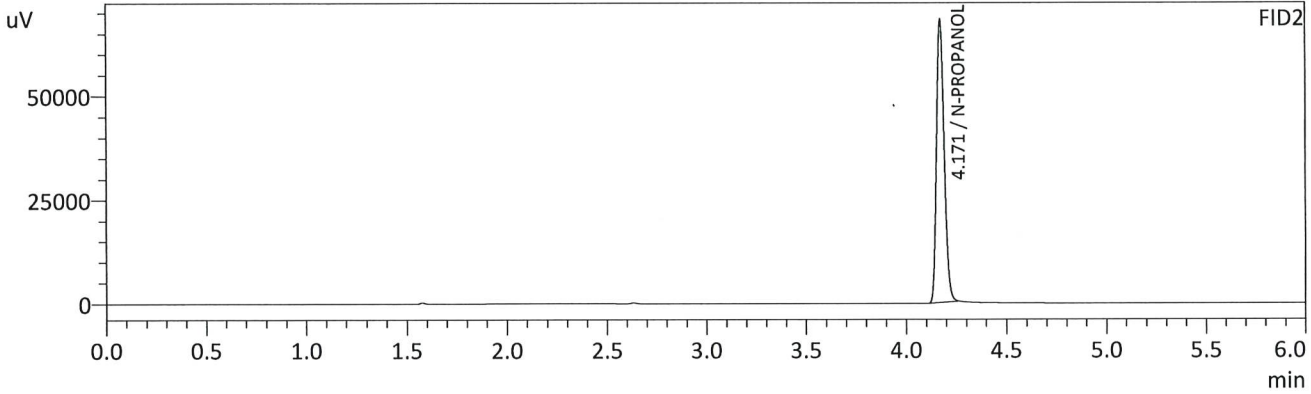
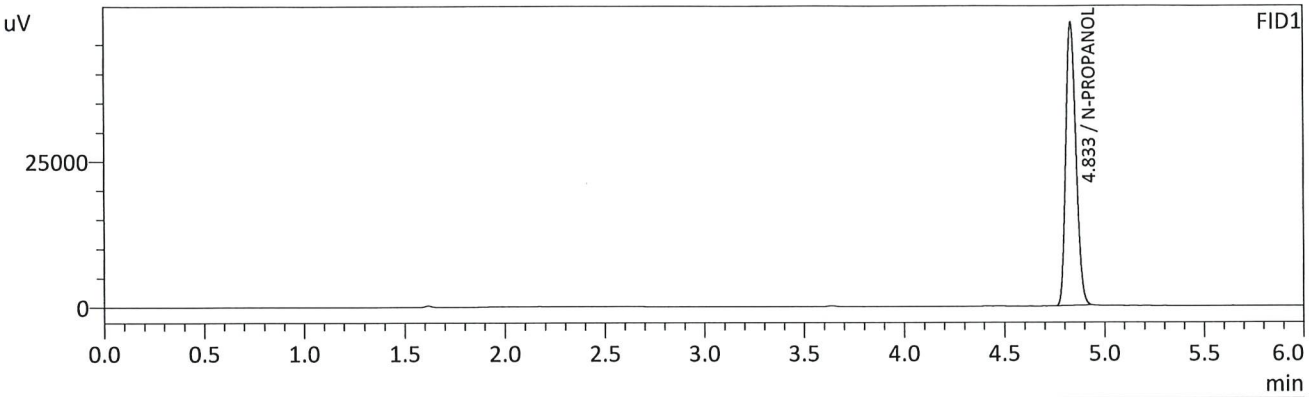
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5009	g/100cc	167276	71901
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173262	49313
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	178699	90513
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183196	68790
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_3232023_006.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:29:19 PM
 Date Processed : 3/23/2023 4:35:20 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

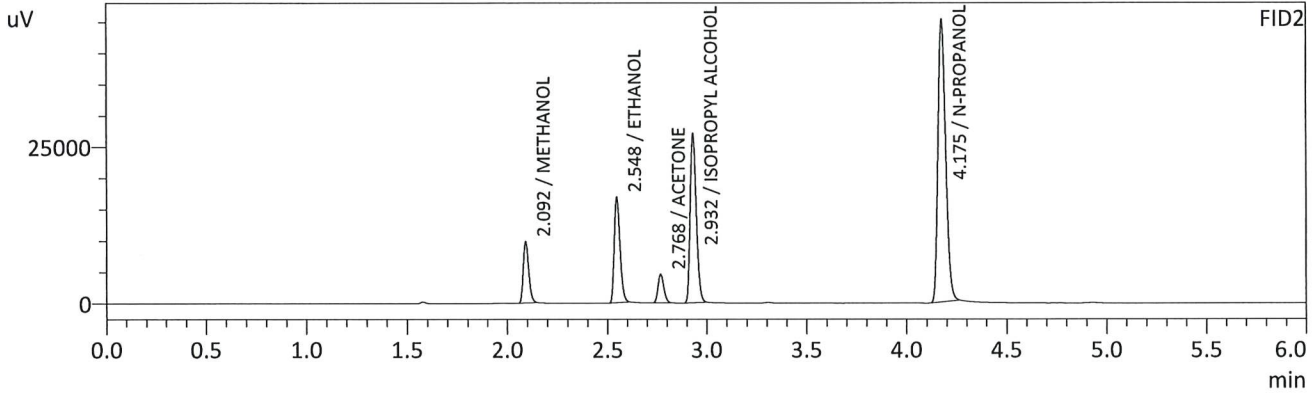
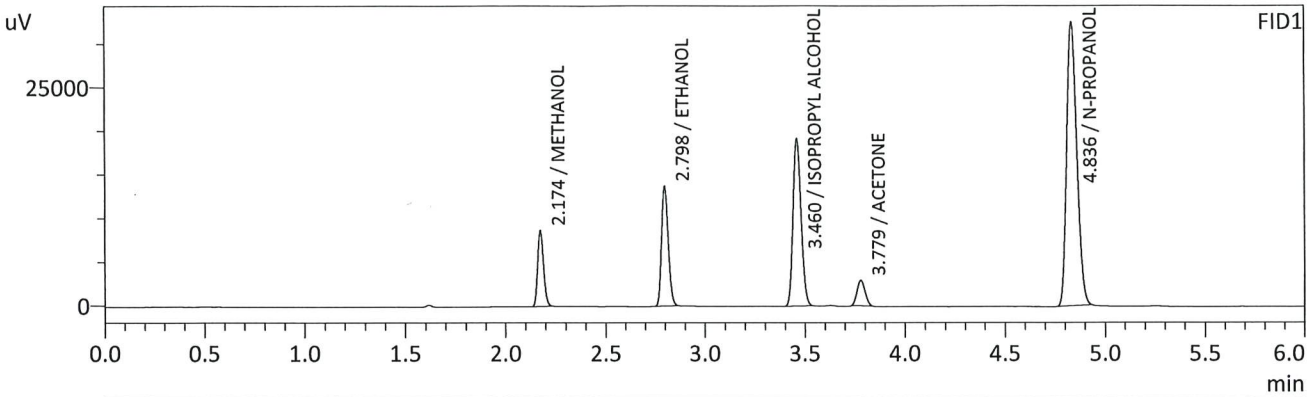
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171008	48496
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	181405	68057
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_3232023_007.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:39:04 PM
 Date Processed : 3/23/2023 4:45:06 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

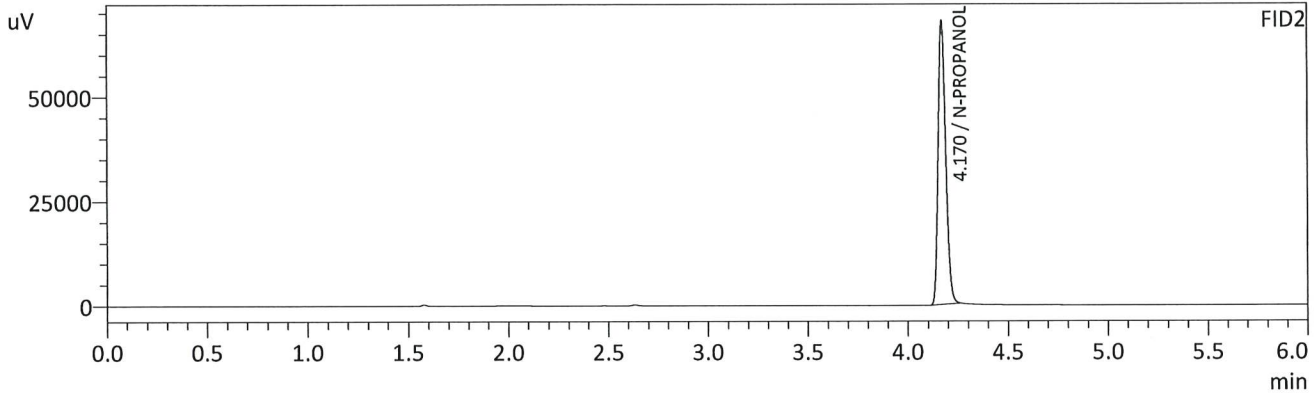
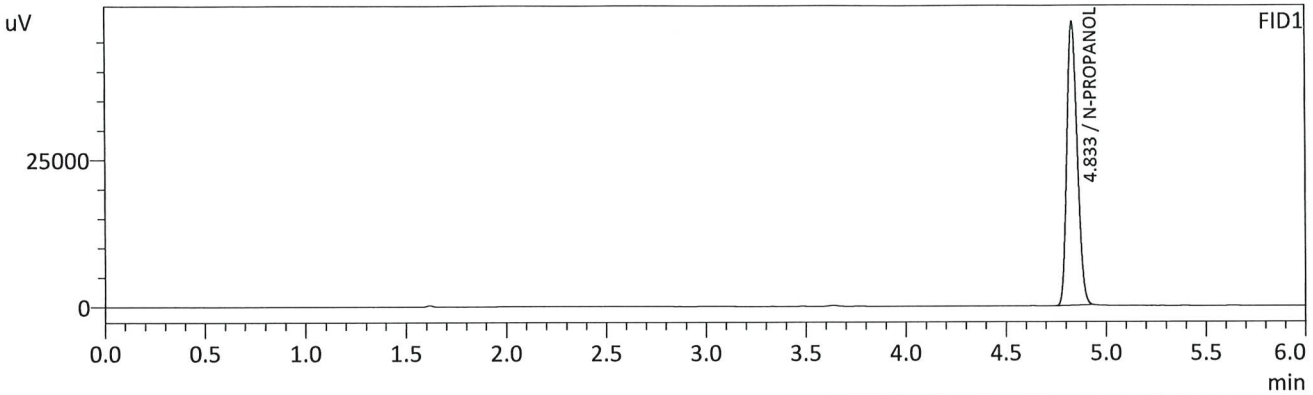
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17680	8581
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1472	g/100cc	32013	13670
ISOPROPYL ALCOHOL	0.0000	g/100cc	53667	19095
ACETONE	0.0000	g/100cc	8175	2916
N-PROPANOL	0.0000	g/100cc	114153	32395
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18598	9718
ETHANOL	0.1491	g/100cc	33826	16639
ACETONE	0.0000	g/100cc	9167	4501
ISOPROPYL ALCOHOL	0.0000	g/100cc	57287	26746
N-PROPANOL	0.0000	g/100cc	119807	45133
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_3232023_008.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:48:35 PM
 Date Processed : 3/23/2023 4:54:37 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_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	169155	48150
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	179674	67822
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1			Analysis Date(s): 3/23/2023 4:57:53 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0722	0.0725	0.0003	0.0723	0.0002	0.0724
(g/100cc)	0.0723	0.0728	0.0005	0.0725		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_32323_RC.gcm

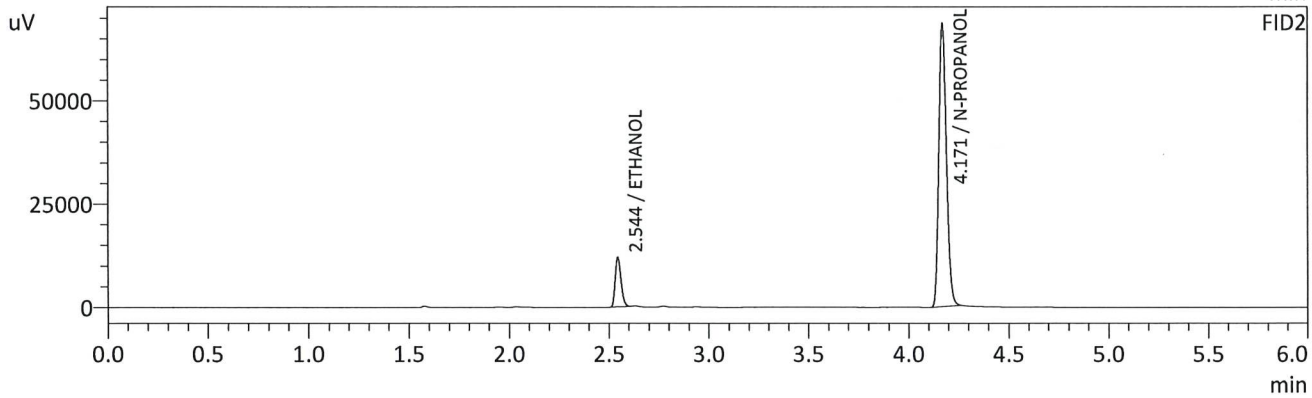
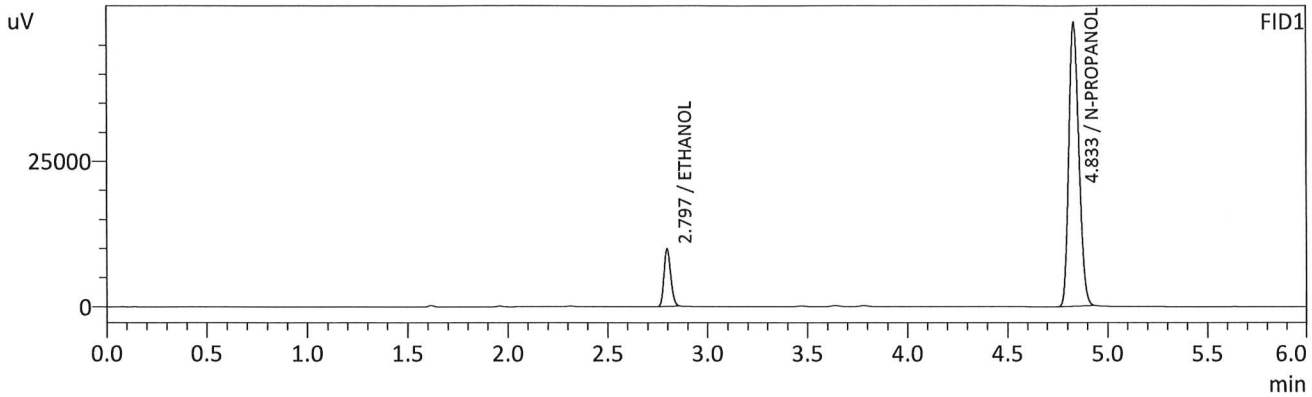
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.072	0.068	0.076	0.004

	Reported Results
	0.072

Calibration and control data are stored centrally.

QC

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_3232023_009.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 4:57:53 PM
 Date Processed : 3/23/2023 5:03:53 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

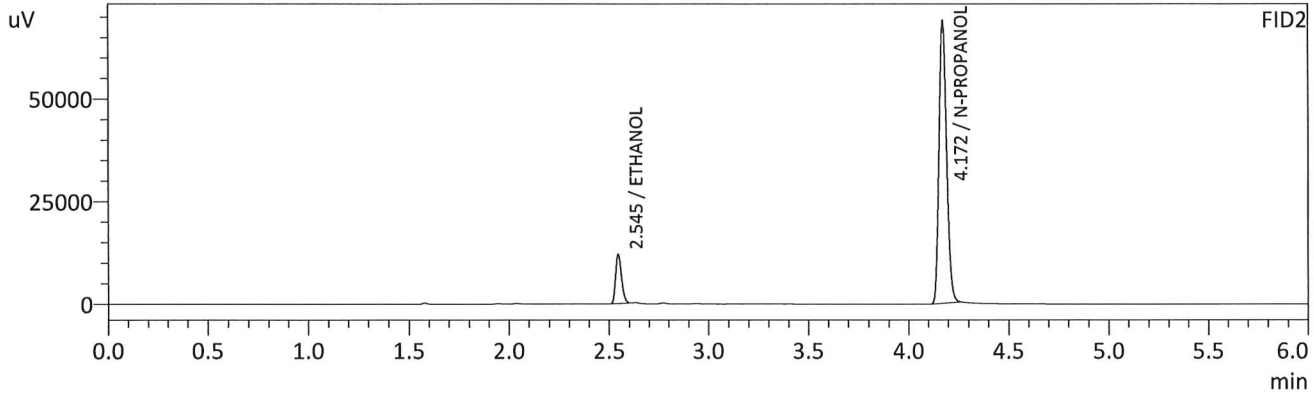
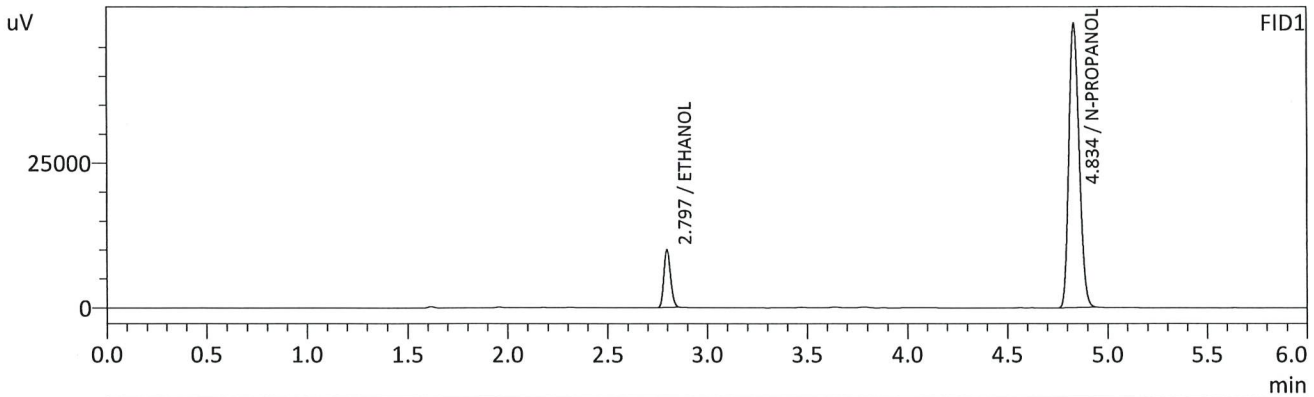
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0722	g/100cc	23184	9858
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171365	48788
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0725	g/100cc	24007	11848
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182183	68428
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_3232023_010.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 5:07:37 PM
 Date Processed : 3/23/2023 5:13:38 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0723	g/100cc	23312	9927
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172263	48995
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	24208	12008
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182812	68269
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 3/23/2023 5:17:08 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0814	0.0003	0.0812	0.0003	0.0813
(g/100cc)	0.0814	0.0816	0.0002	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_32323_RC.gcm

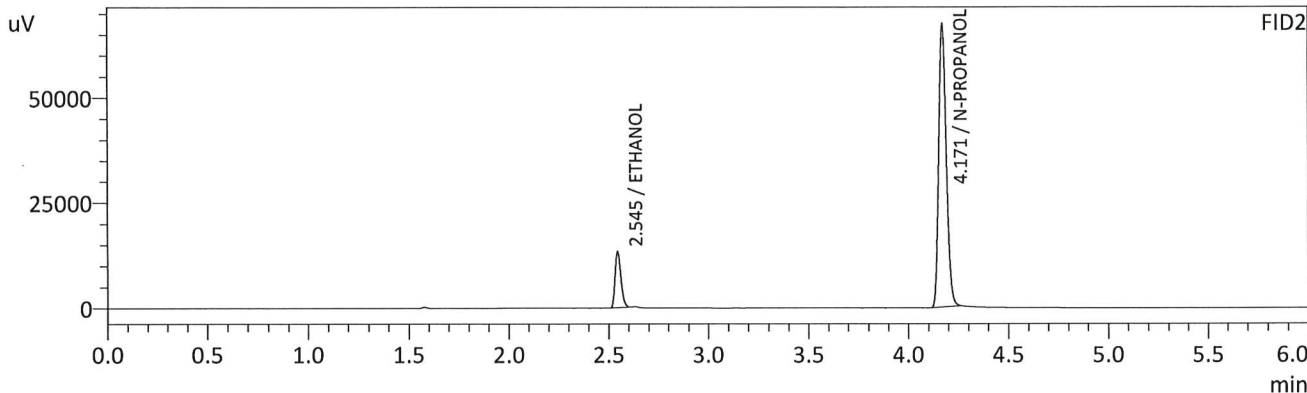
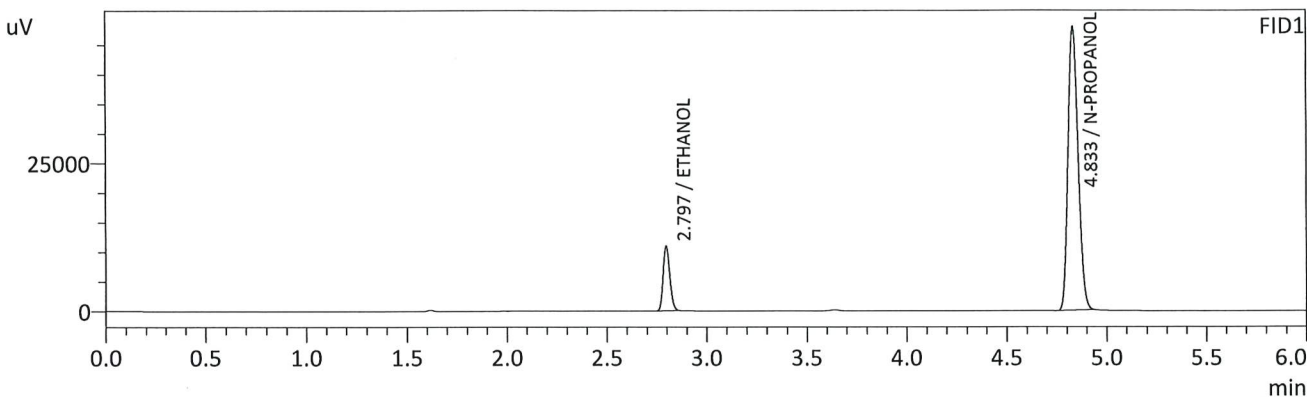
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

ARC

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_3232023_011.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 5:17:08 PM
 Date Processed : 3/23/2023 5:23:10 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

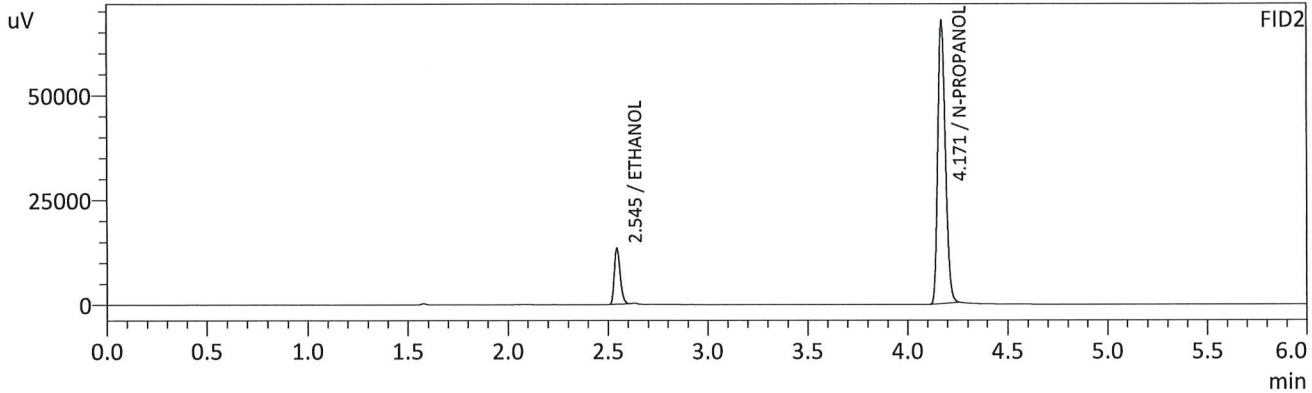
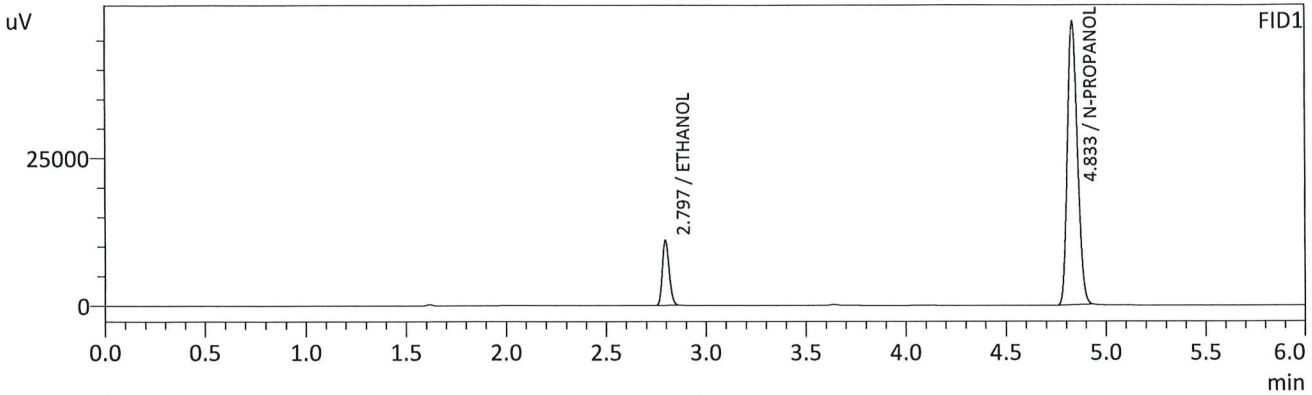
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25685	10920
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168512	47894
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	26723	13259
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178919	67280
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YRC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_3232023_012.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 5:26:26 PM
 Date Processed : 3/23/2023 5:32:28 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	25842	10960
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168960	48074
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	26862	13315
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179436	67363
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 3/23/2023 8:27:28 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2117	0.2134	0.0017	0.2125	0.0012	0.2131
(g/100cc)	0.2130	0.2144	0.0014	0.2137		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

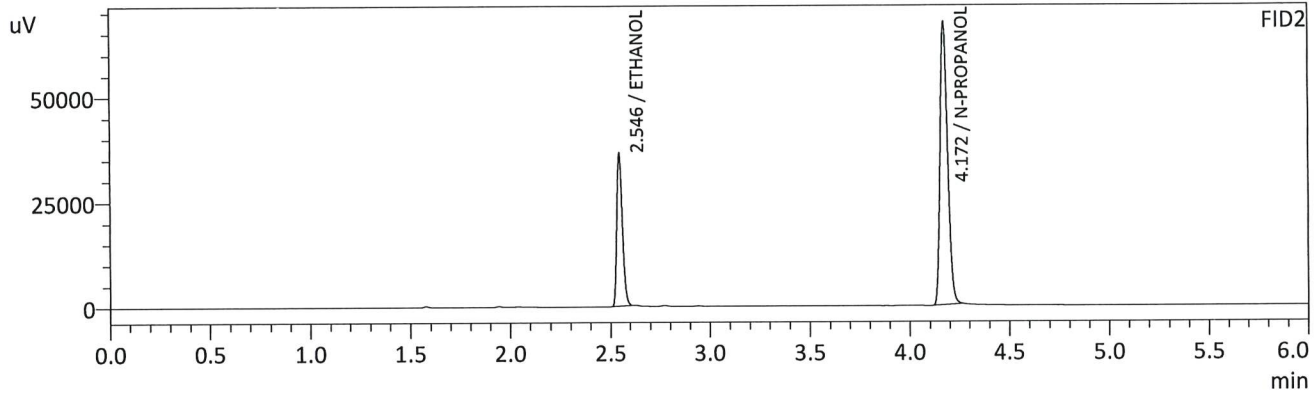
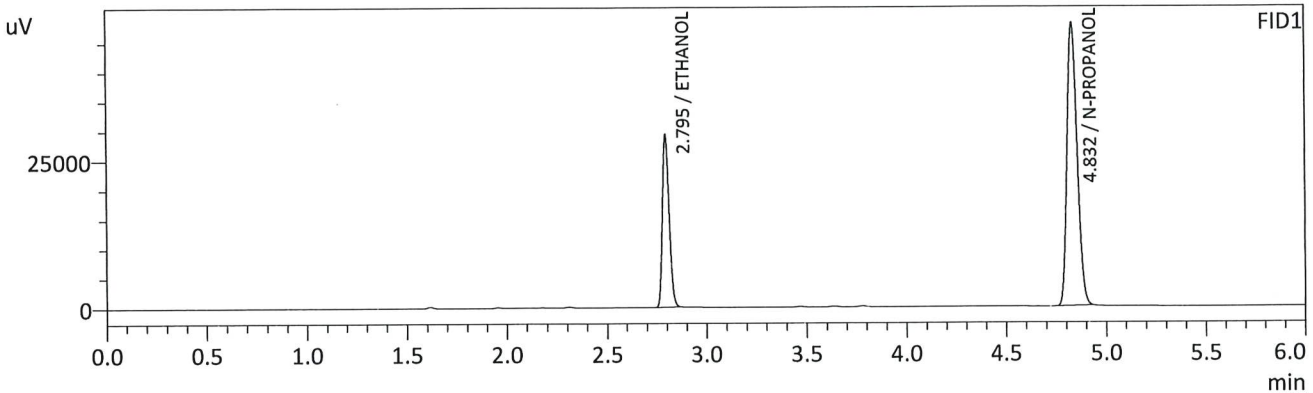
Refer To Instrument Method: ALCOHOL_32323_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.213	0.202	0.224	0.011

Reported Results	
0.213	

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_3232023_031.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 8:27:28 PM
 Date Processed : 3/23/2023 8:33:30 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

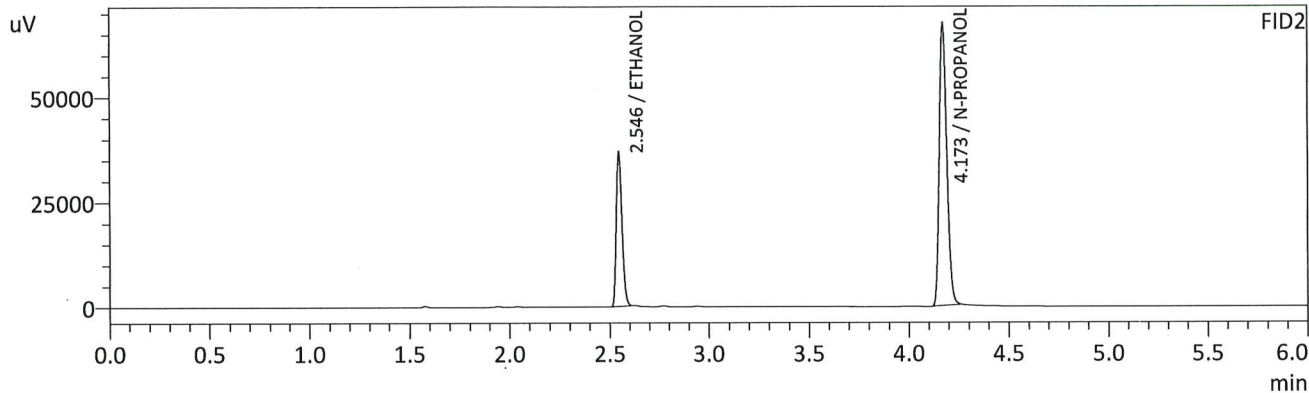
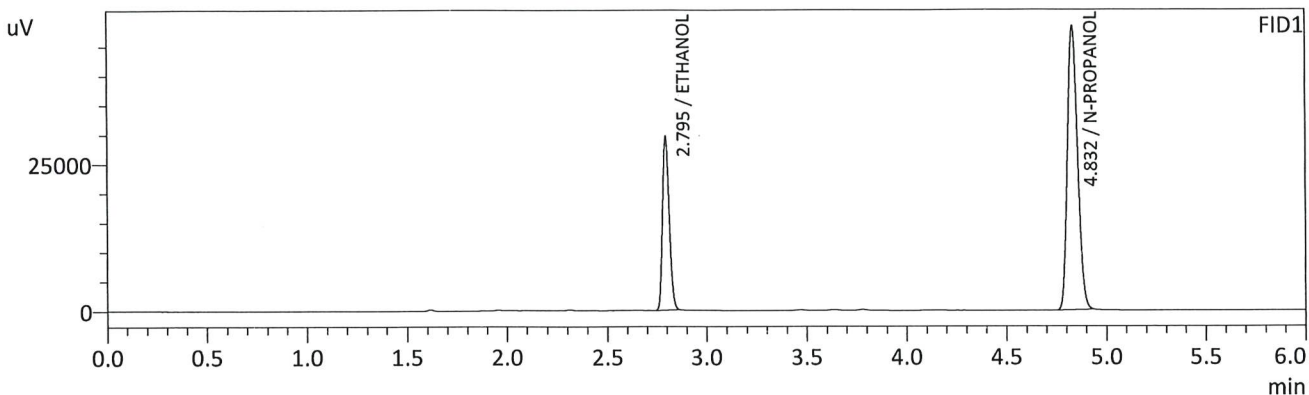
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	68434	29072
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168795	47967
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2134	g/100cc	72641	36360
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177701	66748
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_3232023_032.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 8:36:58 PM
 Date Processed : 3/23/2023 8:42:58 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2130	g/100cc	69085	29352
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169350	48261
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2144	g/100cc	73265	36764
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178342	66960
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 3/23/2023 11:56:52 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0804	0.0009	0.0799	0.0001	0.0799
(g/100cc)	0.0794	0.0803	0.0009	0.0798		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

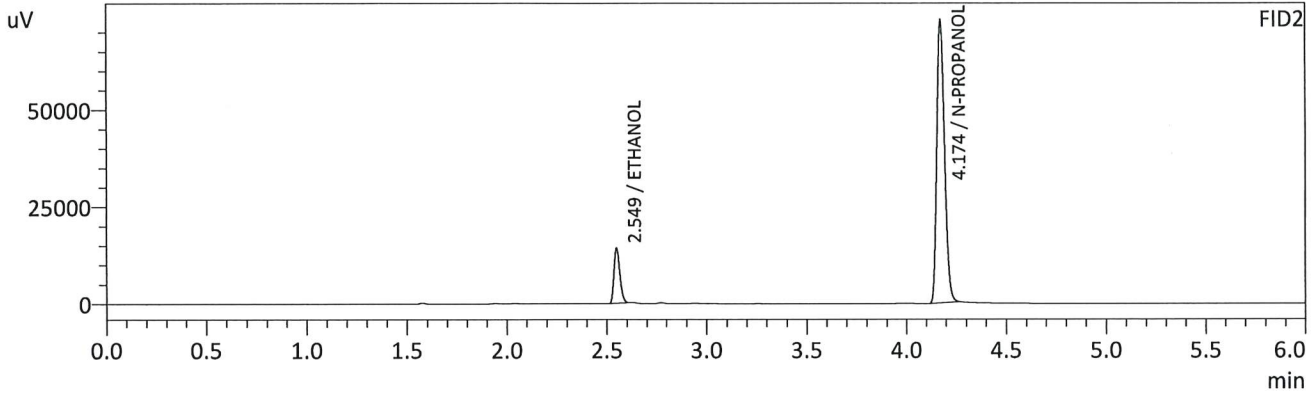
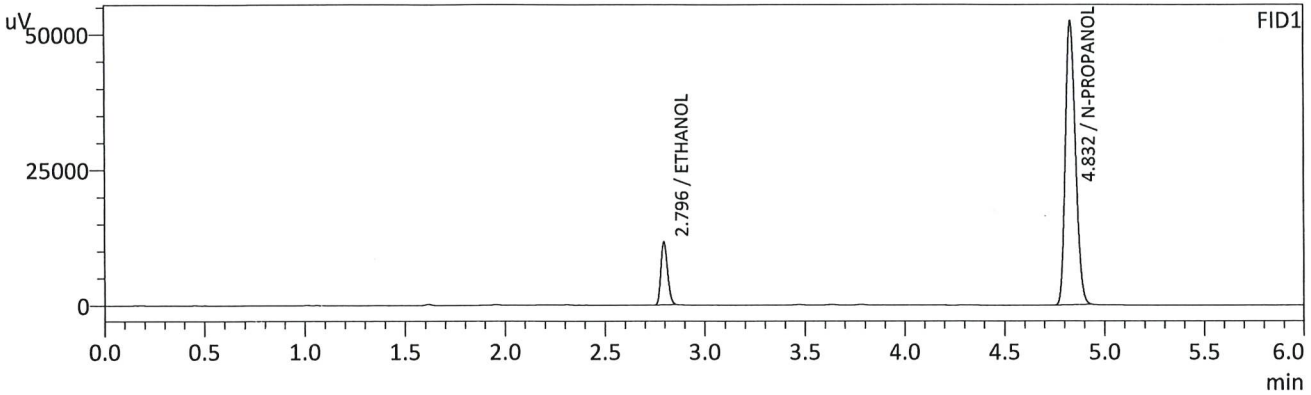
Refer To Instrument Method: ALCOHOL_32323_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

	Reported Results
	0.079

Calibration and control data are stored centrally.

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_3232023_053.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/23/2023 11:56:52 PM
 Date Processed : 3/24/2023 12:02:54 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

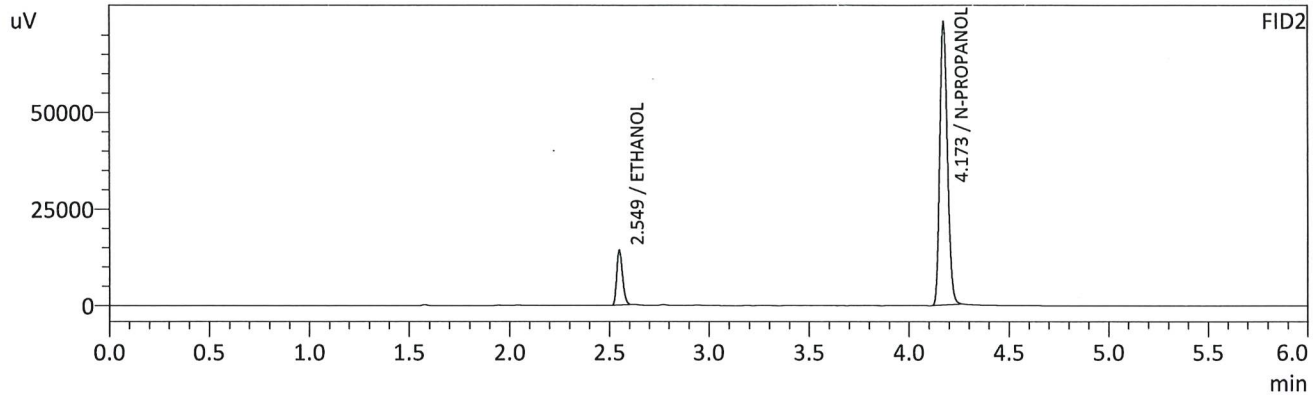
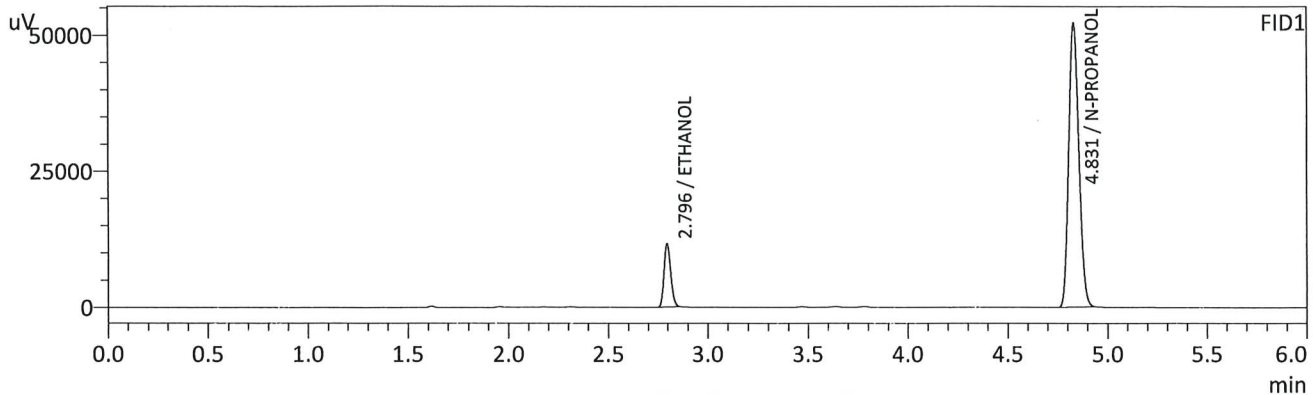
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0795	g/100cc	27332	11562
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183027	52292
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	28534	14053
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193682	72909
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_3232023_054.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/24/2023 12:06:09 AM
 Date Processed : 3/24/2023 12:12:11 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0794	g/100cc	27193	11512
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182295	51998
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	28396	13988
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192871	72703
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2		Analysis Date(s): 3/24/2023 12:34:43 AM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2235	0.2246	0.0011	0.2240	0.0001	0.2240
(g/100cc)	0.2236	0.2246	0.0010	0.2241		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_32323_RC.gcm

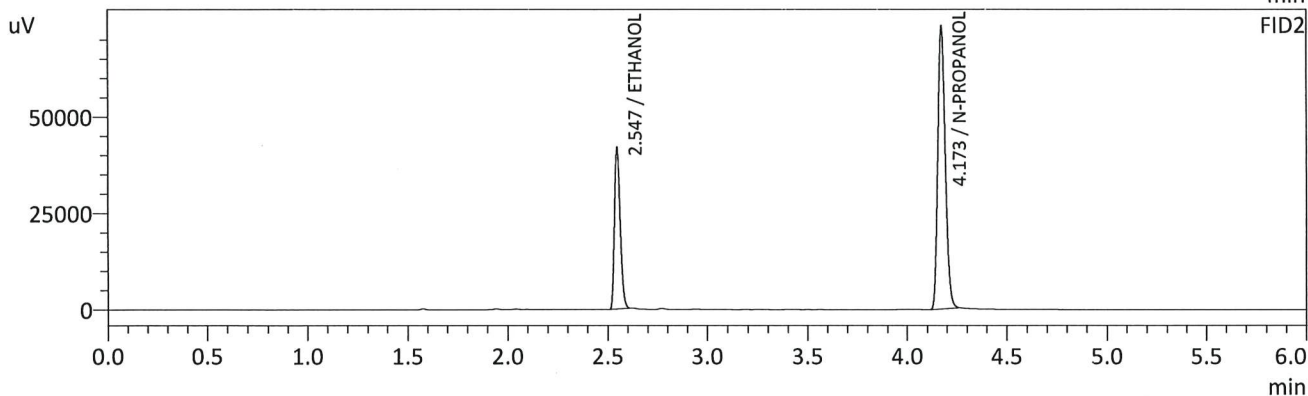
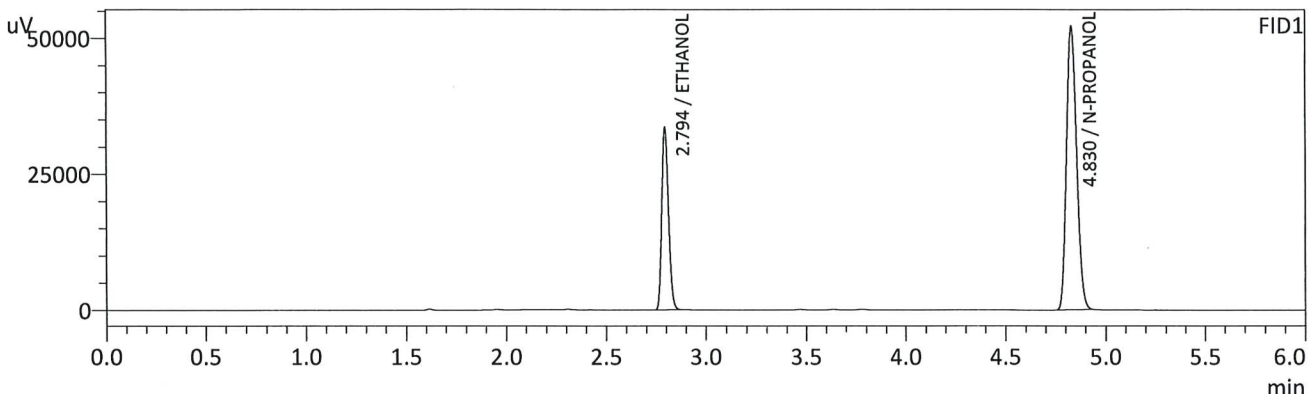
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.224	0.212	0.236	0.012

	Reported Results
	0.224

Calibration and control data are stored centrally.

RC

Sample Name : QC2-2
 Vial # : 57
 Data Filename : QC2-2_3232023_057.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/24/2023 12:34:43 AM
 Date Processed : 3/24/2023 12:40:44 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

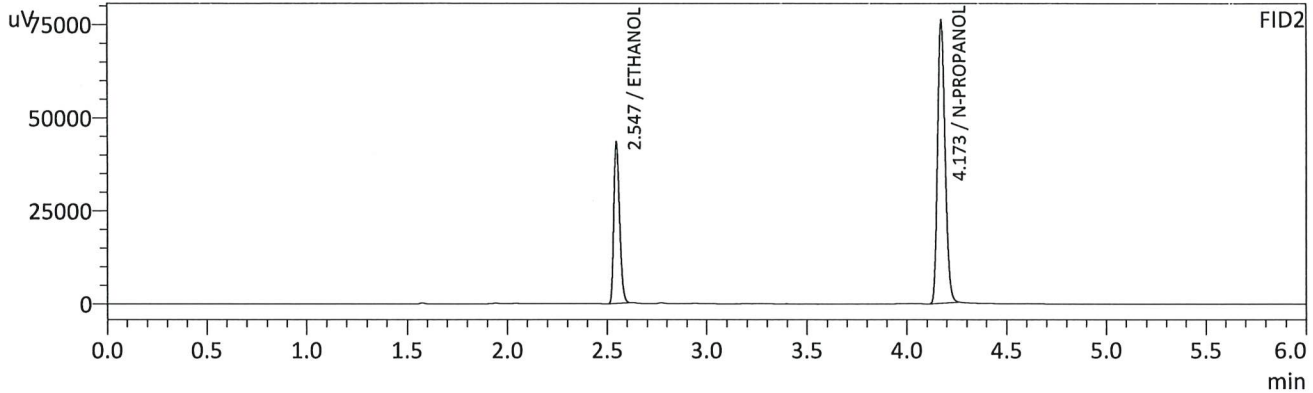
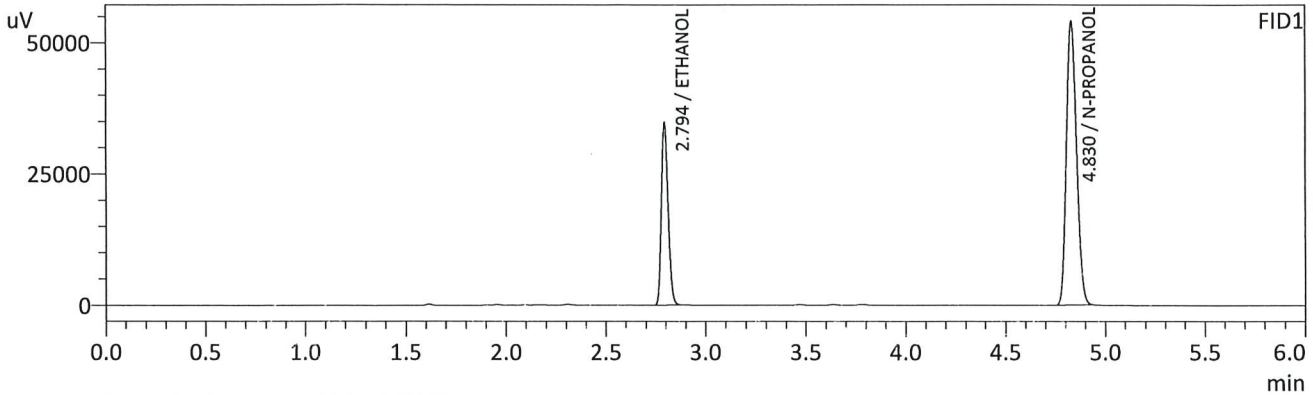
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2235	g/100cc	78349	33431
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182989	51903
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2246	g/100cc	83155	41683
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193042	72833
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-2-B
 Vial # : 58
 Data Filename : QC2-2-B_3232023_058.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/24/2023 12:44:32 AM
 Date Processed : 3/24/2023 12:50:34 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_RC.gcm



FID1

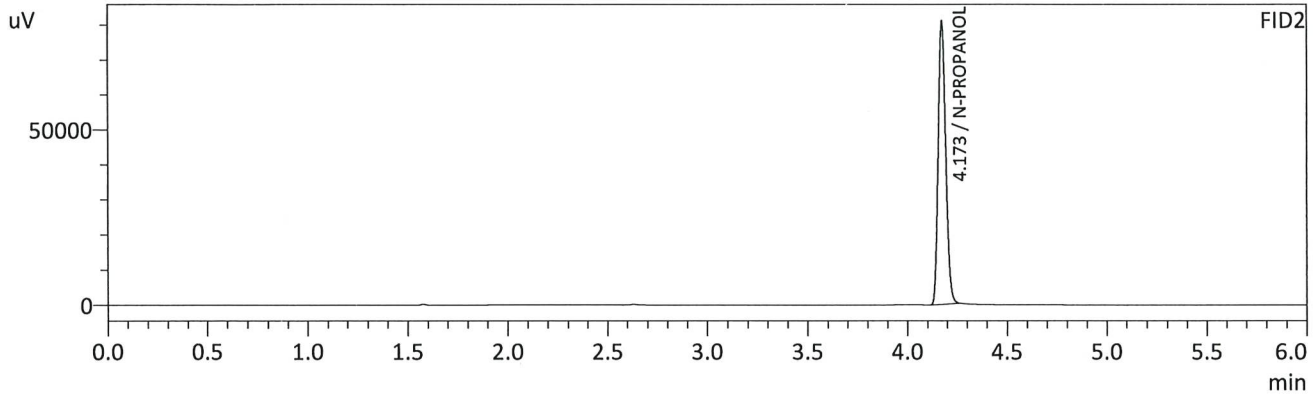
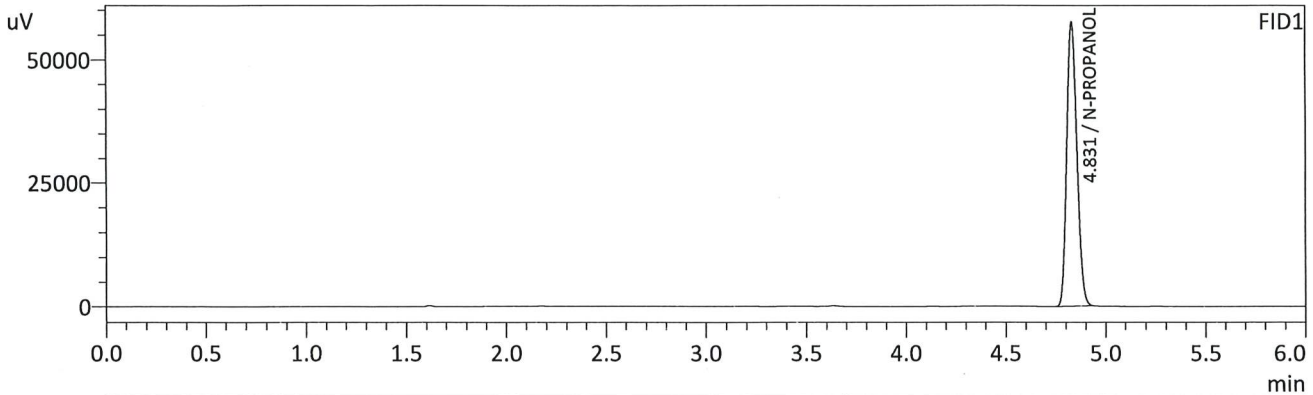
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2236	g/100cc	81153	34630
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189461	53866
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2246	g/100cc	86170	43180
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200040	75427
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JAC

Sample Name : INT STD BLK 3
 Vial # : 59
 Data Filename : INT STD BLK 3_3232023_059.gcd
 Method Filename : ALCOHOL_32323_RC.gcm
 Batch Filename : BATCH_32323_RC.gcb
 Date Acquired : 3/24/2023 12:53:57 AM
 Date Processed : 3/24/2023 12:59:59 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_32323_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	201250	57226
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	213700	80490
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_32323_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_32323_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_32323_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_32323_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_32323_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_32323_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_32323_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_32323_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_32323_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_32323_RC.gcm		0
13	P2023-0634-2	0:Unknown	ALCOHOL_32323_RC.gcm		0
14	P2023-0634-2-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
15	P2023-0783-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
16	P2023-0783-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
17	P2023-0784-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
18	P2023-0784-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
19	P2023-0786-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
20	P2023-0786-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
21	P2023-0809-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
22	P2023-0809-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
23	P2023-0810-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
24	P2023-0810-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
25	P2023-0816-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
26	P2023-0816-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
27	P2023-0817-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
28	P2023-0817-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
29	P2023-0826-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
30	P2023-0826-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
33	P2023-0828-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
34	P2023-0828-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
35	P2023-0829-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
36	P2023-0829-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
37	P2023-0857-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
38	P2023-0857-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
39	P2023-0905-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
40	P2023-0905-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
41	P2023-0907-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
42	P2023-0907-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
43	P2023-0907-2	0:Unknown	ALCOHOL_32323_RC.gcm		0
44	P2023-0907-2-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
45	P2023-0909-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
46	P2023-0909-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
47	P2023-0917-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
48	P2023-0917-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
49	P2023-0921-1	0:Unknown	ALCOHOL_32323_RC.gcm		0
50	P2023-0921-1-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
51	LOT 2209047	0:Unknown	ALCOHOL_32323_RC.gcm		0
52	LOT 2209047-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_32323_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
55	LOT 2110181	0:Unknown	ALCOHOL_32323_RC.gcm		0
56	LOT 2110181-B	0:Unknown	ALCOHOL_32323_RC.gcm		0
57	QC2-2	0:Unknown	ALCOHOL_32323_RC.gcm		0
58	QC2-2-B	0:Unknown	ALCOHOL_32323_RC.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
59	INT STD BLK 3	0:Unknown	ALCOHOL_32323_RC.gcm		0

