



















**Worklist: 6442**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-1915	1	BCK	Alcohol Analysis	
P2023-1955	1	BCK	Alcohol Analysis	
P2023-1956	1	BCK	Alcohol Analysis	
P2023-1957	1	BCK	Alcohol Analysis	
P2023-1958	1	BCK	Alcohol Analysis	
P2023-1973	1	CBUK	Alcohol Analysis	
P2023-1974	1	BCK	Alcohol Analysis	
P2023-1981	1	BCK	Alcohol Analysis	
P2023-1982	1	BCK	Alcohol Analysis	
P2023-1983	1	BCK	Alcohol Analysis	
P2023-1986	1	BCK	Alcohol Analysis	
P2023-1987	1	BCK	Alcohol Analysis	
P2023-1991	1	BCK	Alcohol Analysis	
P2023-1992	2	BCK	Alcohol Analysis	
P2023-2001	1	BCK	Alcohol Analysis	
P2023-2010	1	BCK	Alcohol Analysis	
P2023-2011	1	BCK	Alcohol Analysis	
P2023-2012	1	BCK	Alcohol Analysis	

**REVIEWED**

By Tamara Salazar at 8:42 am, Jul 26, 2023

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): 07-21-2023

Calibration Date: (if different):

Worklist #: 6442

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0744 g/100cc 0.0810 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2249 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	Column 1	Column 2	Column 2
			0.99998		0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0512	0.0007	0.0508
100	0.100	0.090 - 0.110	0.1002	0.1002	0	0.1002
200	0.200	0.180 - 0.220	0.1992	0.1986	0.0006	0.1989
300	0.300	0.270 - 0.330	0.2993	0.2987	0.0006	0.299
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5011	0.0006	0.5008

Aqueous Controls

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

Calibration curve valid but other data not used for casework evaluation due to QC2 replicate precision being outside of tolerance. Cases will be resampled and ran with new QC's, using this calibration curve. RC 7/24/23

**Internal Standard Monitoring Worksheet**

Worksheet #: 6442

Run Date(s):

07-21-2023



Internal Standard Solution:	Prep Date: 6/28/2023	Exp Date: 12/28/2023
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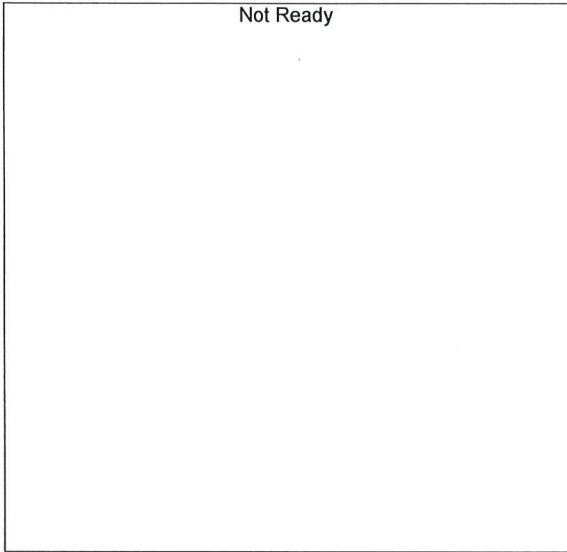
Sample Name	Column 1 Value	Column 2 Value
0.080	154912	160442
0.080	155768	161462
QC1	157193	162901
QC1	157355	163133
QC1	167986	173989
QC1	164635	170526
QC1		
QC1		
QC2	154134	159203
QC2	160760	166583
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	159092.9	127274.3	190911.5
Column 2	164779.9	131823.9	197735.9

# Calibration Table

Laboratory: Pocatello  
 Instrument Name : G1KG333-Instrument1

<<Data File>>  
 Method File :Default Project - ALCOHOL\_072123\_RC.gcm  
 Batch File :Default Project - BATCH\_072123\_RC.gcb  
 Date Acquired :7/21/2023 11:27:19 AM  
 Date Created :7/21/2023 11:23:50 AM  
 Date Modified :7/22/2023 9:39:28 AM



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

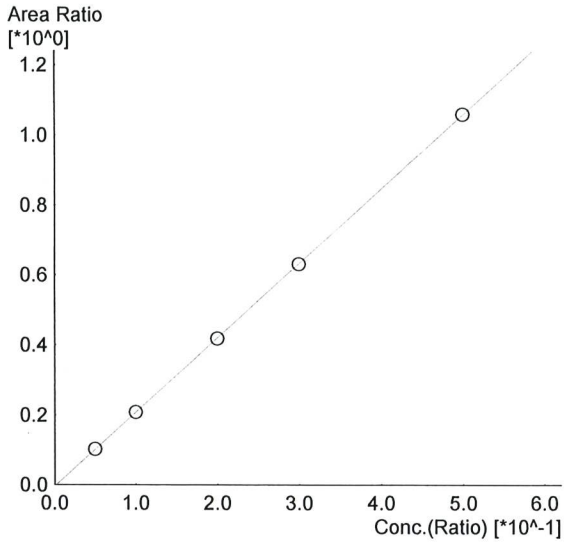
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

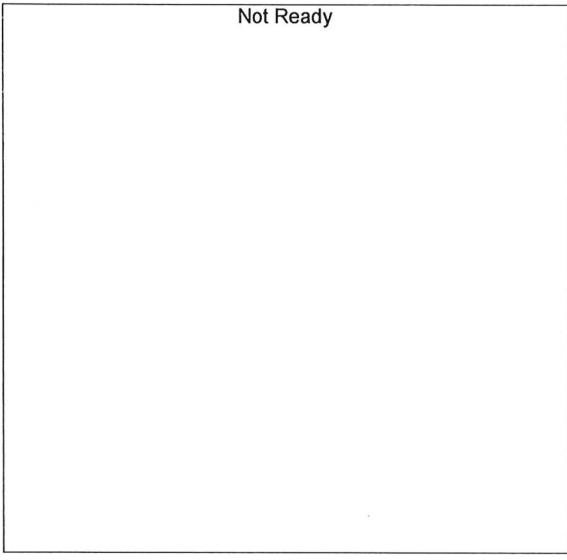
#	Conc.	Area	Std. Conc.	Data File Name
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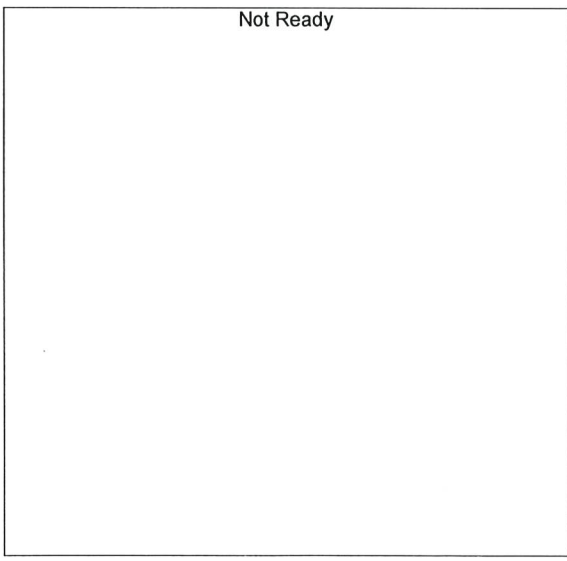
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.12525*x-0.00478613$   
 R<sup>2</sup> value= 0.9999858 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15685	0.0505	0.050_7212023_001.gcd
2	0.100	32245	0.1002	0.100_7212023_002.gcd
3	0.200	65651	0.1992	0.200_7212023_003.gcd
4	0.300	99546	0.2993	0.300_7212023_004.gcd
5	0.500	167679	0.5005	0.500_7212023_005.gcd



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

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

Not Ready

Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
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: 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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Not Ready

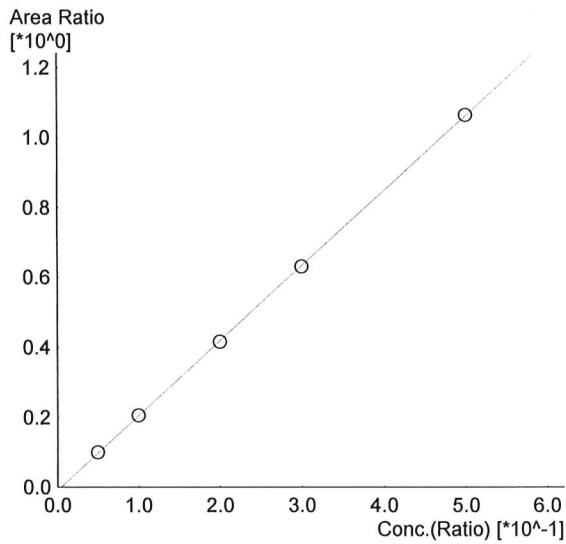
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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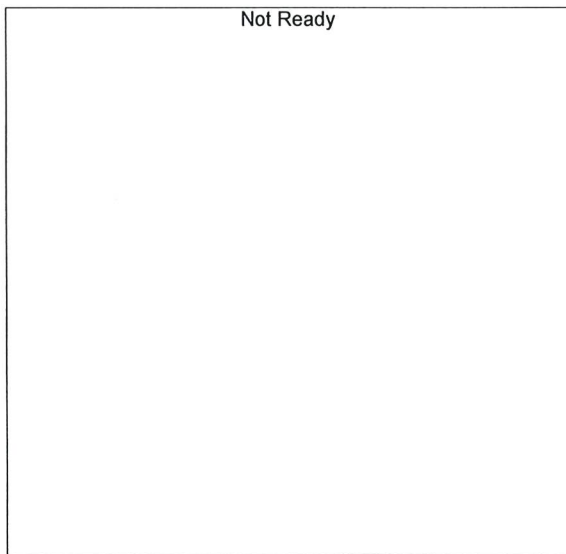
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.14284*x-0.00986898$   
 R<sup>2</sup> value= 0.9999493 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15820	0.0512	0.050_7212023_001.gcd
2	0.100	32850	0.1002	0.100_7212023_002.gcd
3	0.200	67391	0.1986	0.200_7212023_003.gcd
4	0.300	102615	0.2987	0.300_7212023_004.gcd
5	0.500	173652	0.5011	0.500_7212023_005.gcd



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

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

Not Ready

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

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

Not Ready

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

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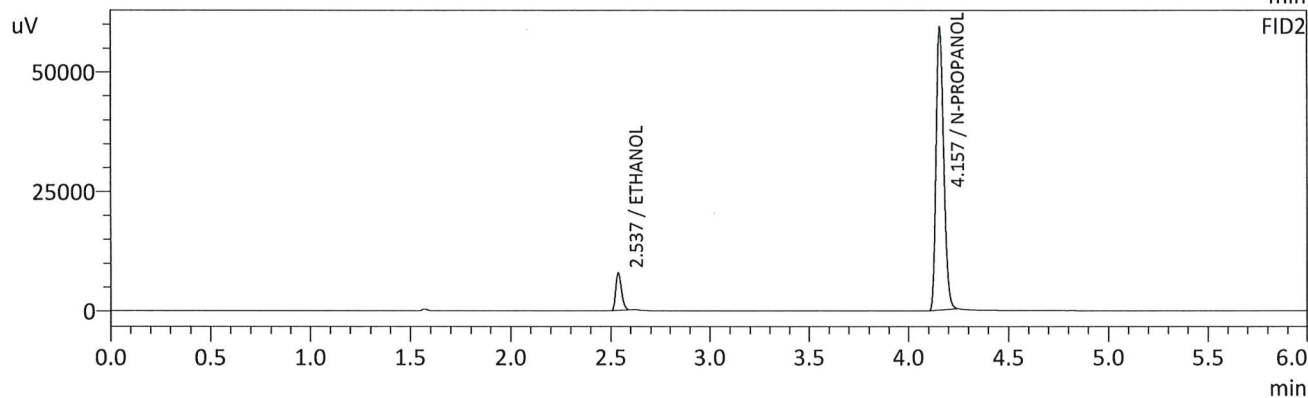
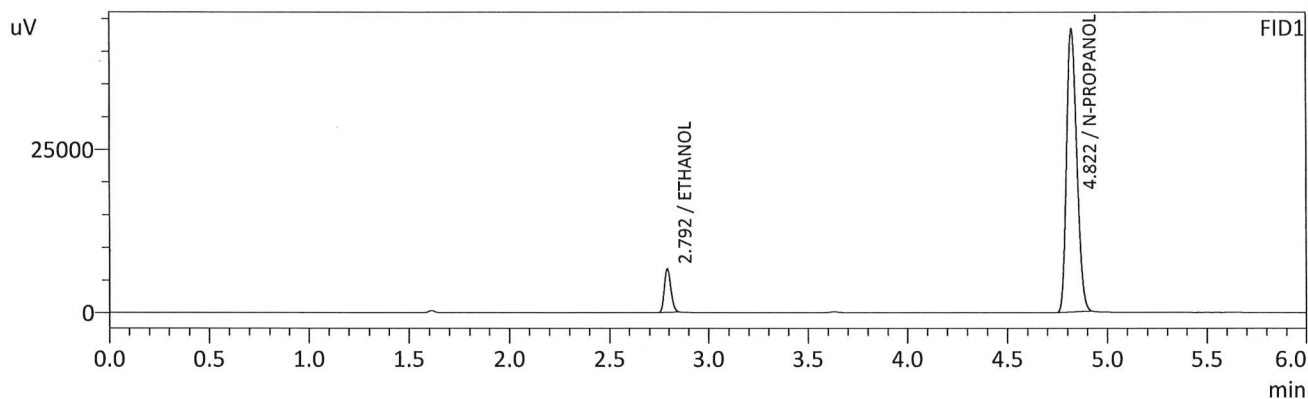
Not Ready

Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> 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\_7212023\_001.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 10:49:12 AM  
 Date Processed : 7/22/2023 9:39:15 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

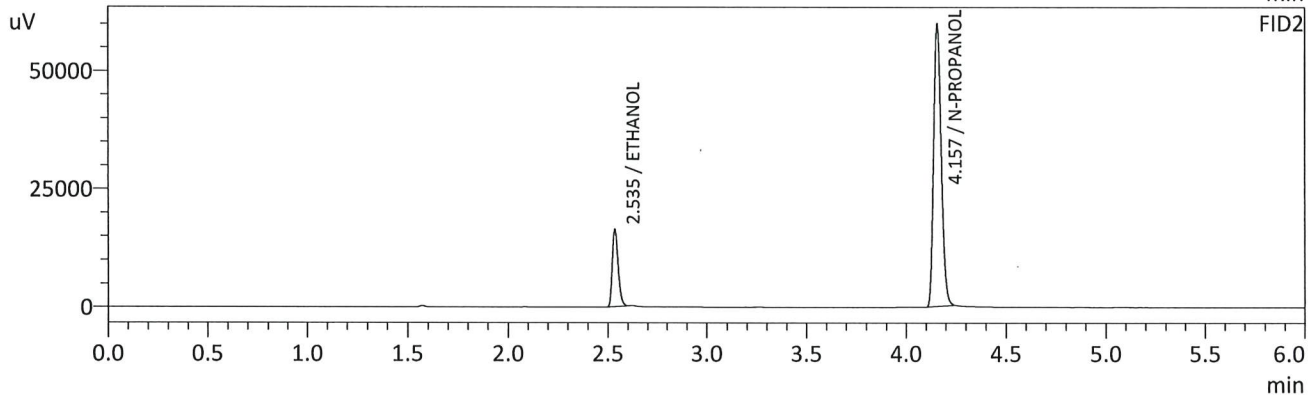
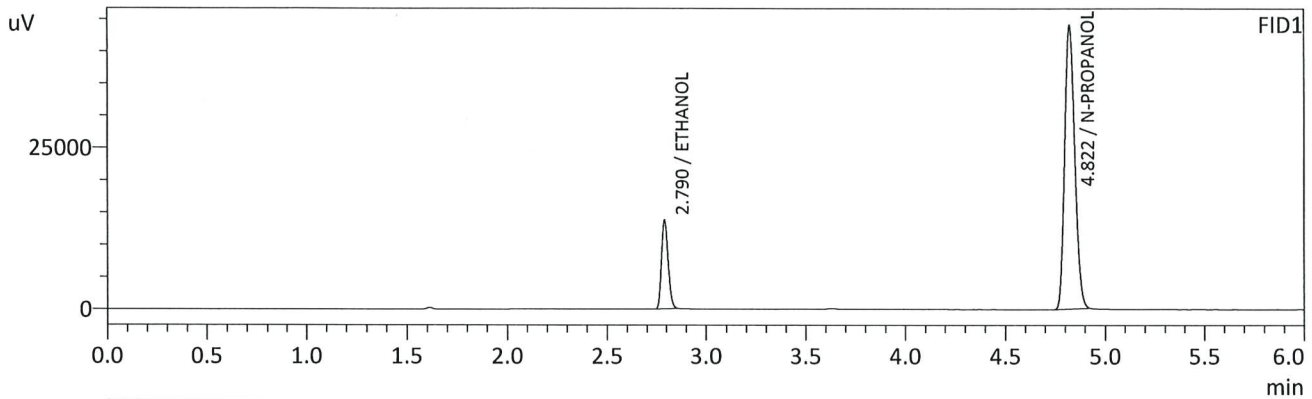
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0505	g/100cc	15685	6626
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152712	43295
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0512	g/100cc	15820	7794
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158287	59075
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_7212023\_002.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 10:58:42 AM  
 Date Processed : 7/22/2023 9:39:19 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



## FID1

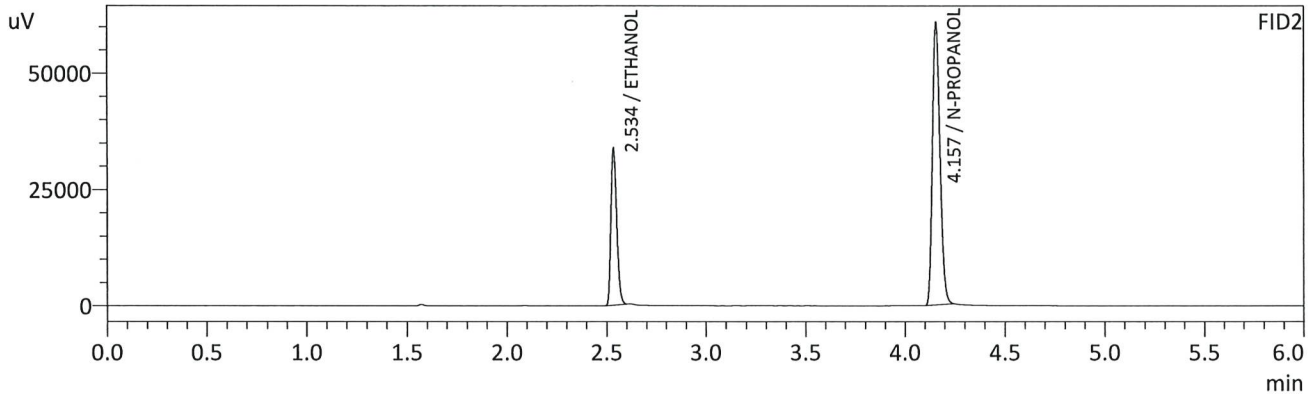
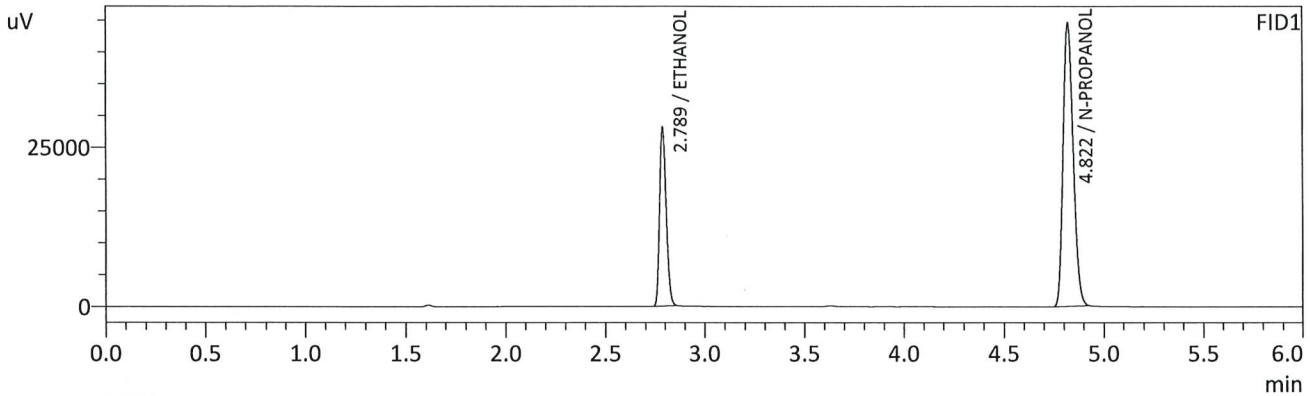
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32245	13680
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154802	43955
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32850	16256
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160237	59740
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

4AC

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_7212023\_003.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:08:03 AM  
 Date Processed : 7/22/2023 9:39:22 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

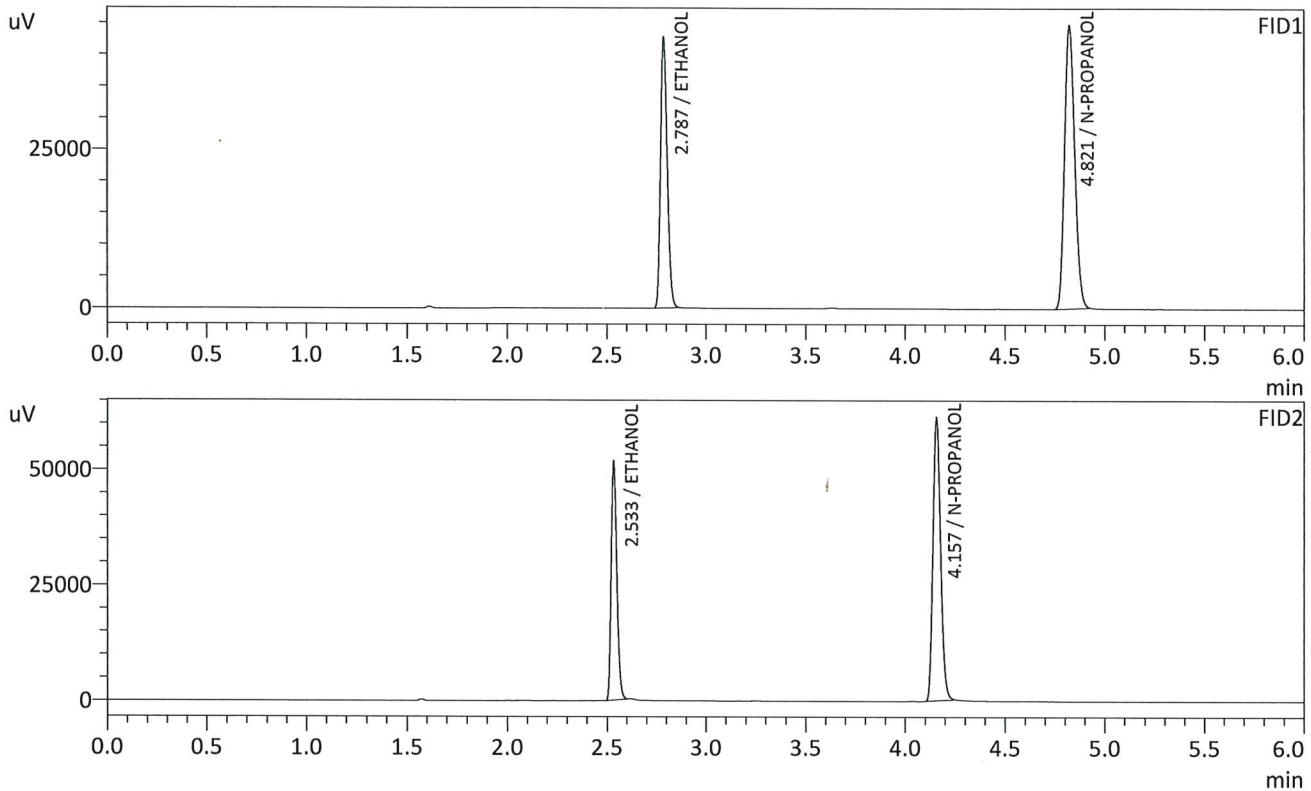
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	65651	28054
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156831	44458
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	67391	33346
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162099	60667
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_7212023\_004.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:17:48 AM  
 Date Processed : 7/22/2023 9:39:25 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	99546	42469
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157666	44553
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

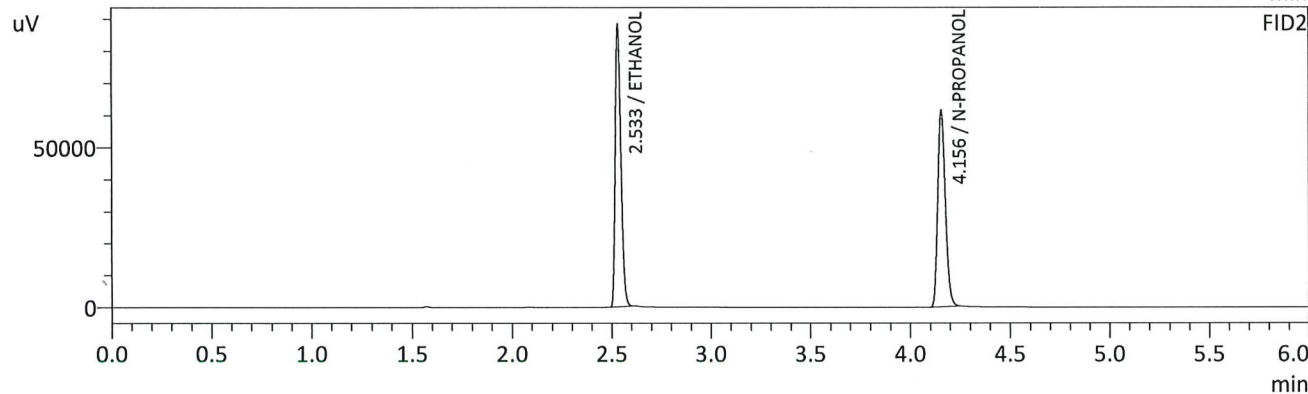
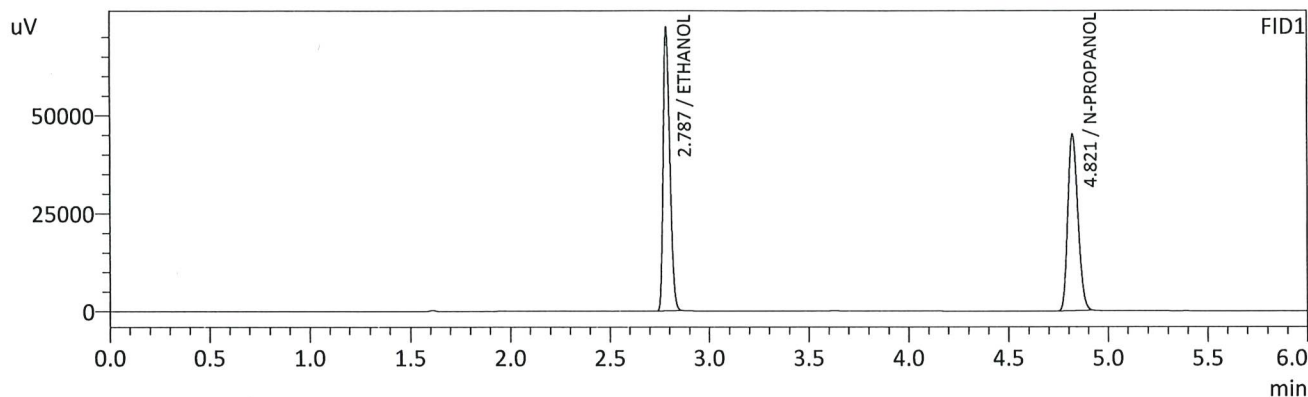
## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	102615	51488
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162820	61243
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CAC*



Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_7212023\_005.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:27:19 AM  
 Date Processed : 7/22/2023 9:39:28 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

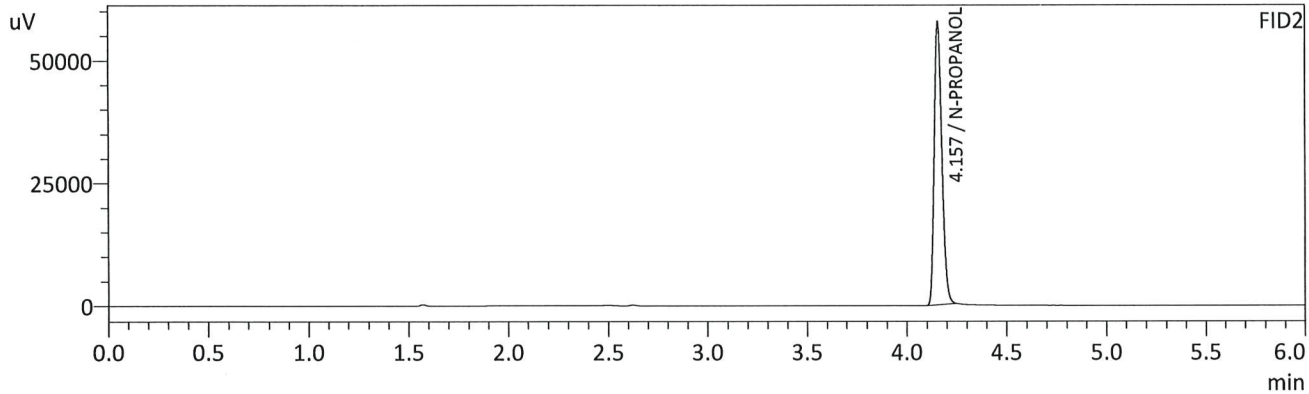
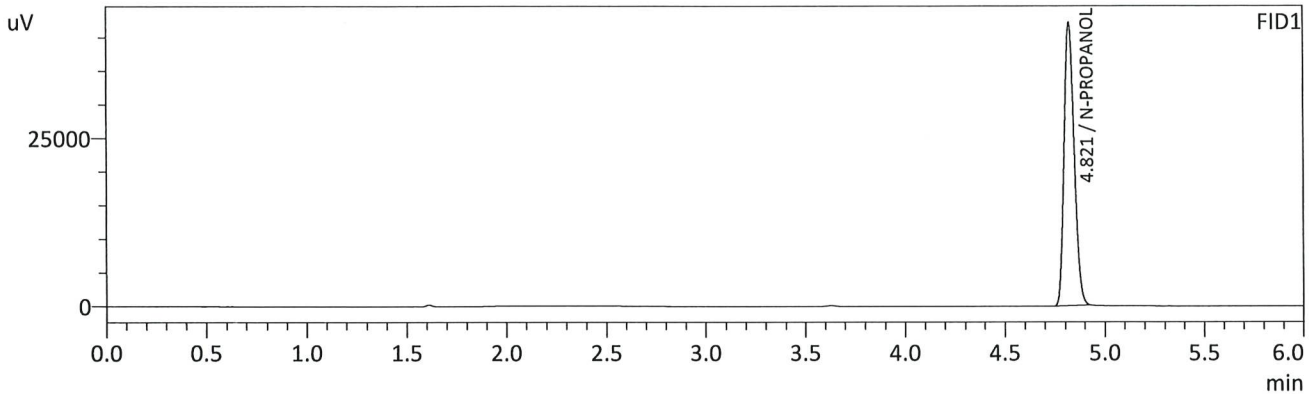
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5005	g/100cc	167679	71522
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158321	44818
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	173652	87900
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163206	61333
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_7212023\_006.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:36:37 AM  
 Date Processed : 7/22/2023 9:39:33 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



## FID1

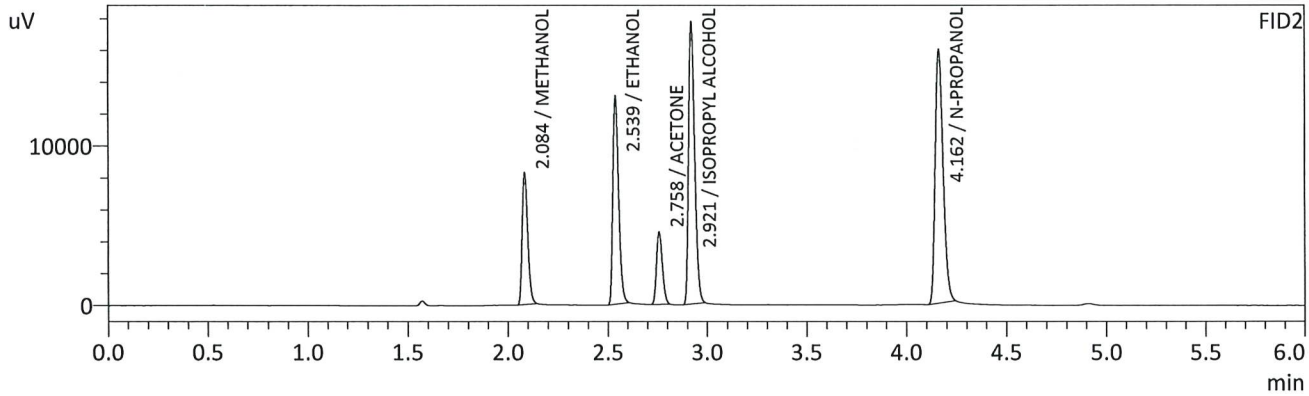
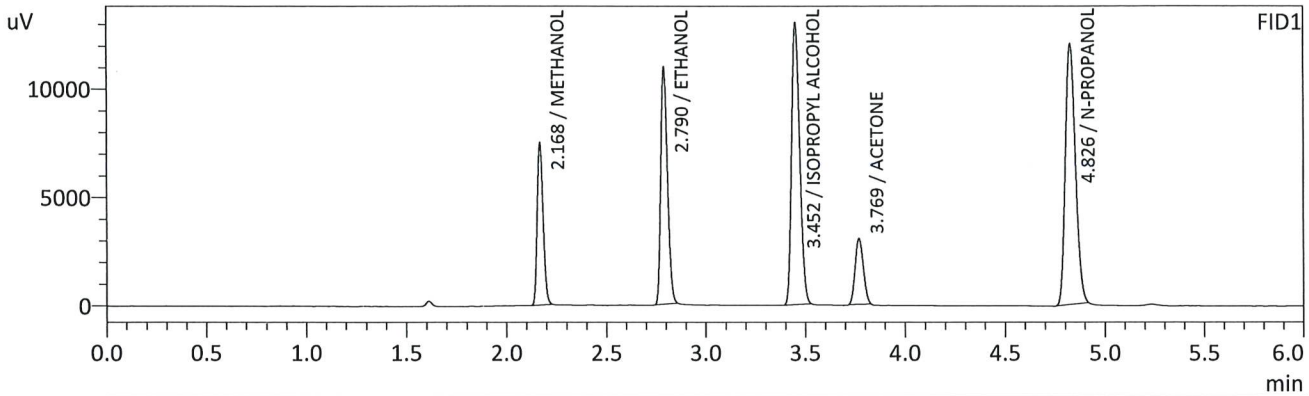
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148009	41946
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## 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	153321	57592
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_7212023\_007.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:46:22 AM  
 Date Processed : 7/22/2023 9:39:36 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

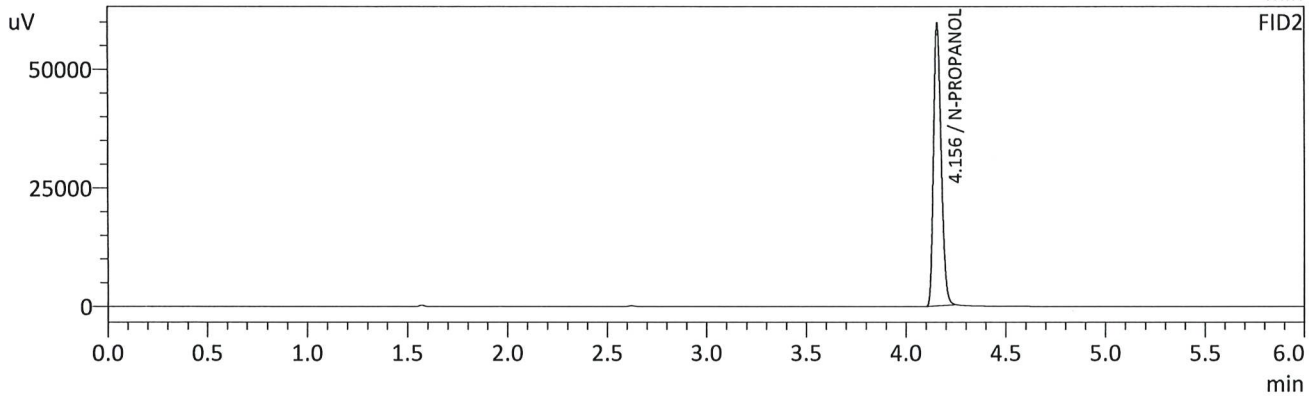
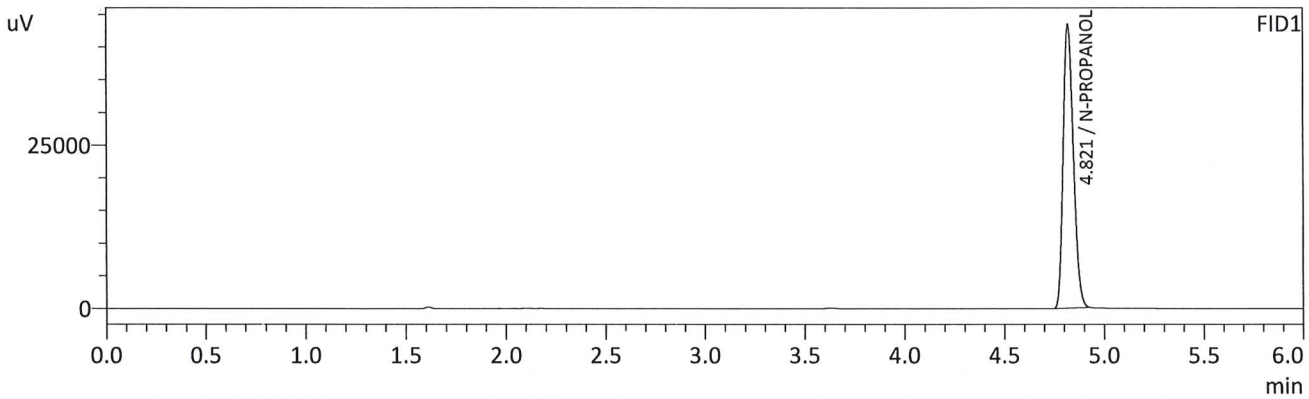
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	15462	7472
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2885	g/100cc	25805	10873
ISOPROPYL ALCOHOL	0.0000	g/100cc	36786	13022
ACETONE	0.0000	g/100cc	8651	3039
N-PROPANOL	0.0000	g/100cc	42416	12002
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	15949	8251
ETHANOL	0.2918	g/100cc	26533	12904
ACETONE	0.0000	g/100cc	9257	4493
ISOPROPYL ALCOHOL	0.0000	g/100cc	37851	17551
N-PROPANOL	0.0000	g/100cc	43103	15875
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*HC*

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_7212023\_008.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 11:55:52 AM  
 Date Processed : 7/22/2023 9:39:39 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.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	152917	43288
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	158320	59563
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*HC*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 7/21/2023 12:05:10 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0747	0.0743	0.0004	0.0745	0.0002	0.0744
(g/100cc)	0.0745	0.0741	0.0004	0.0743		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

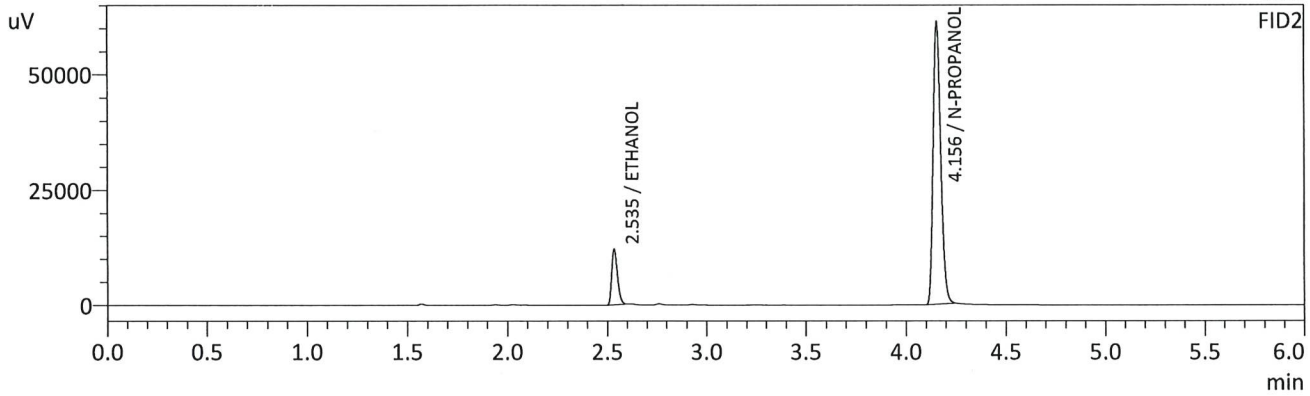
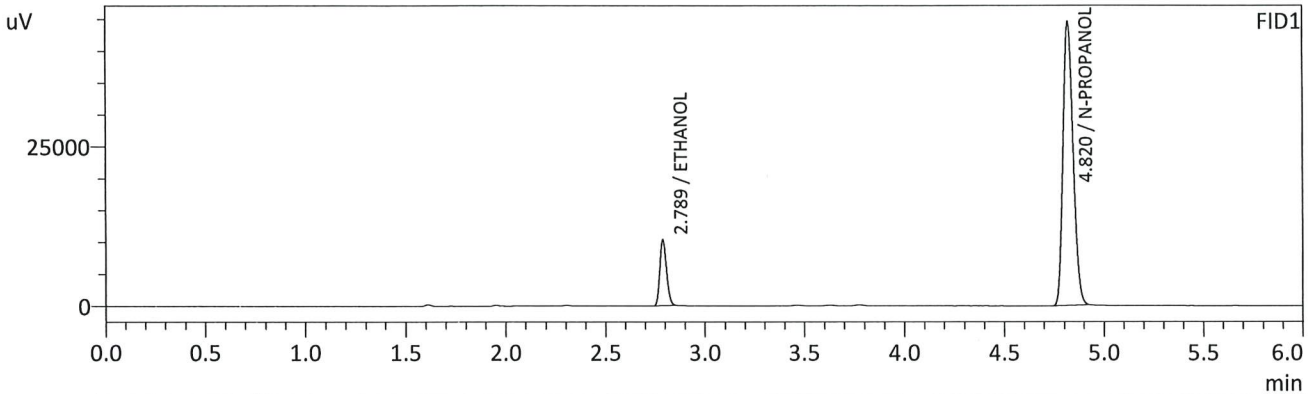
Refer To Instrument Method: ALCOHOL\_072123\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.074	0.070	0.078	0.004

Reported Results	
0.074	

Calibration and control data are stored centrally.

Sample Name : QC1-1  
 Vial # : 9  
 Data Filename : QC1-1\_7212023\_009.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 12:05:10 PM  
 Date Processed : 7/22/2023 9:39:43 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

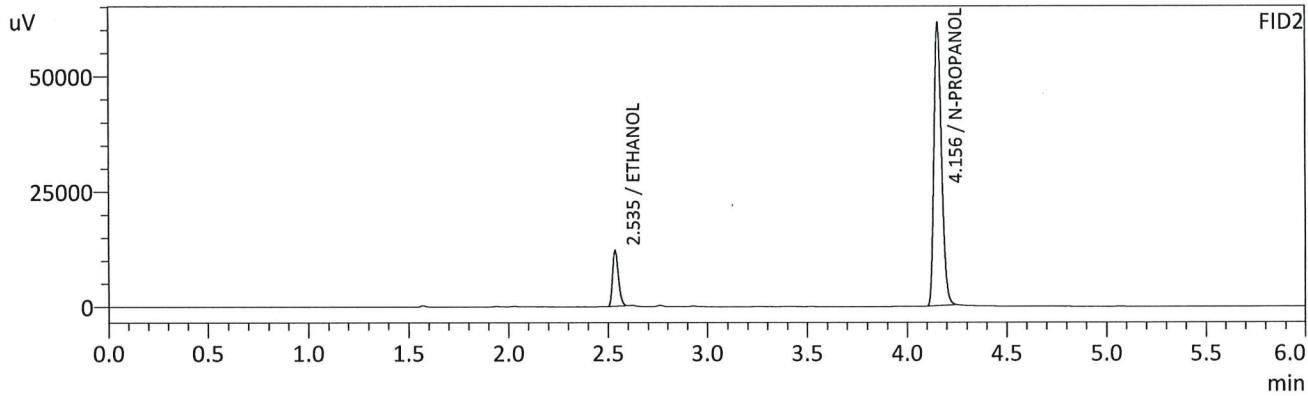
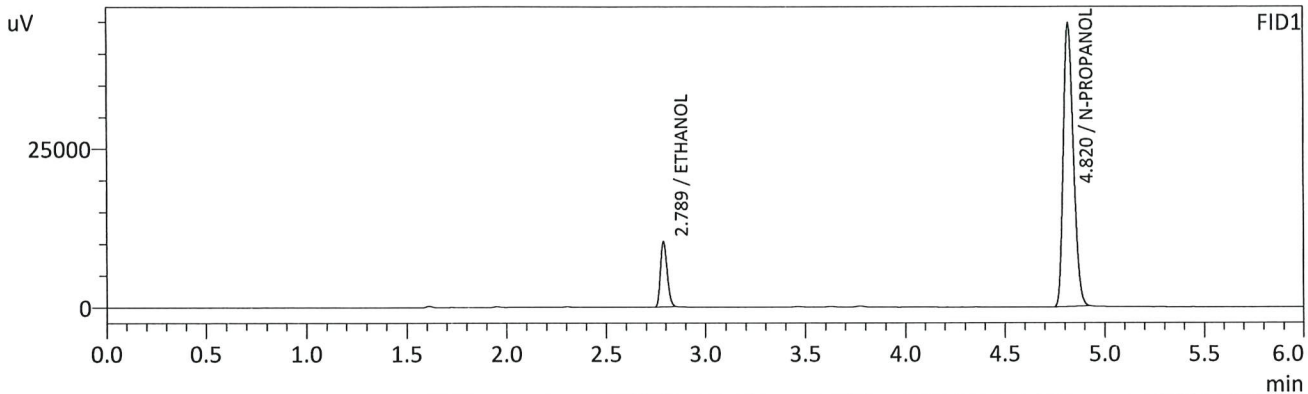
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	24217	10288
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157193	44403
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0743	g/100cc	24356	12016
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162901	61222
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : QC1-1-B  
 Vial # : 10  
 Data Filename : QC1-1-B\_7212023\_010.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 12:14:55 PM  
 Date Processed : 7/22/2023 9:39:46 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	24180	10258
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157355	44602
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0741	g/100cc	24321	11973
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163133	61298
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ARC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 7/21/2023 12:24:26 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0810	0.0001	0.0809	0.0000	0.0809
(g/100cc)	0.0810	0.0809	0.0001	0.0809		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_072123\_RC.gcm

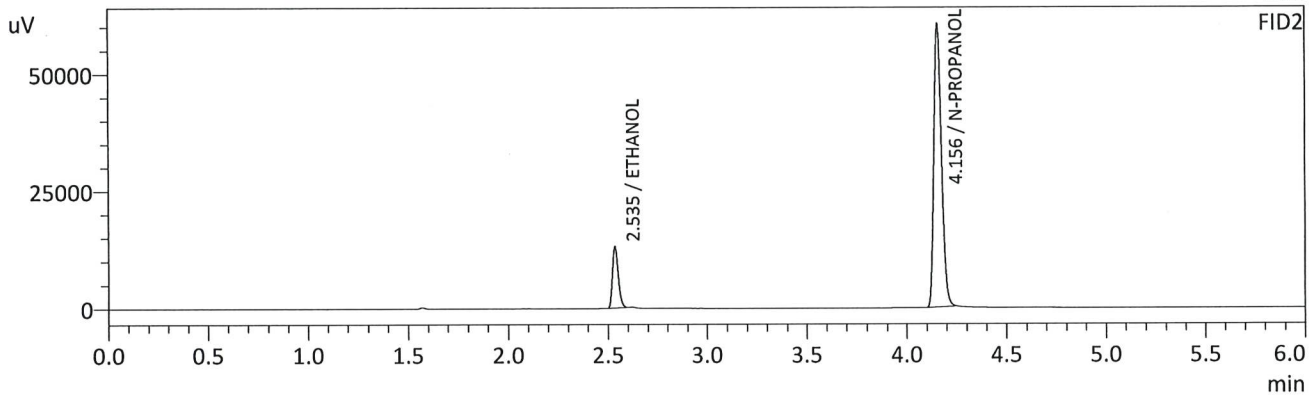
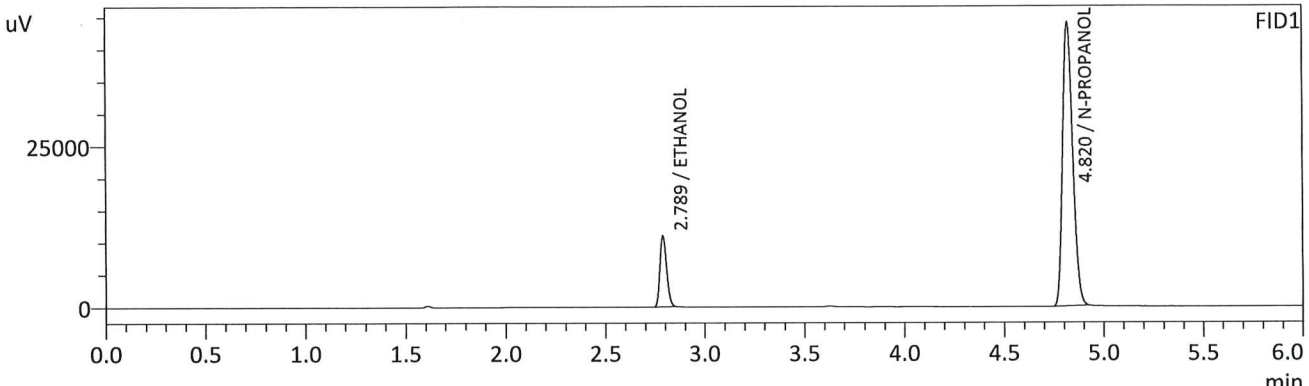
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.



Sample Name : 0.08 QA  
 Vial # : 11  
 Data Filename : 0.08 QA\_7212023\_011.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 12:24:26 PM  
 Date Processed : 7/22/2023 9:39:50 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

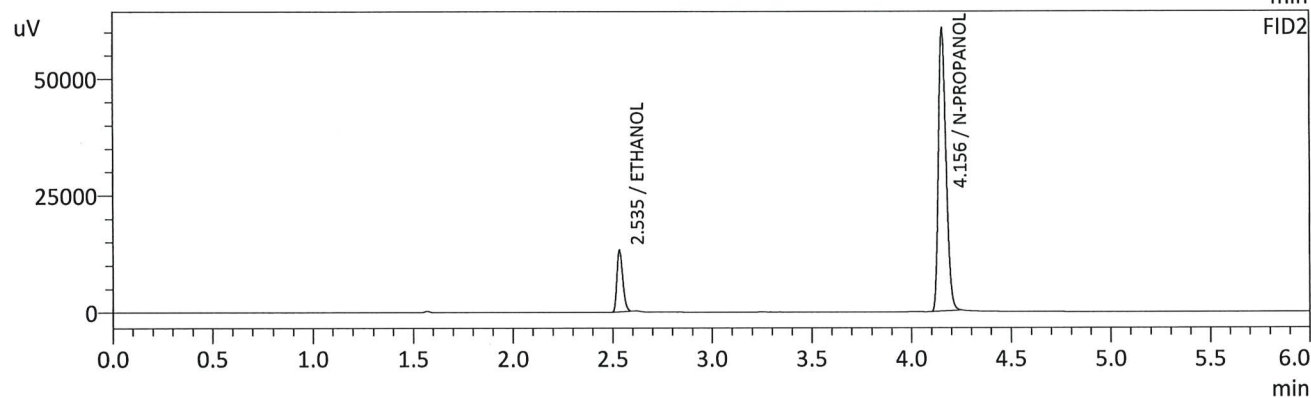
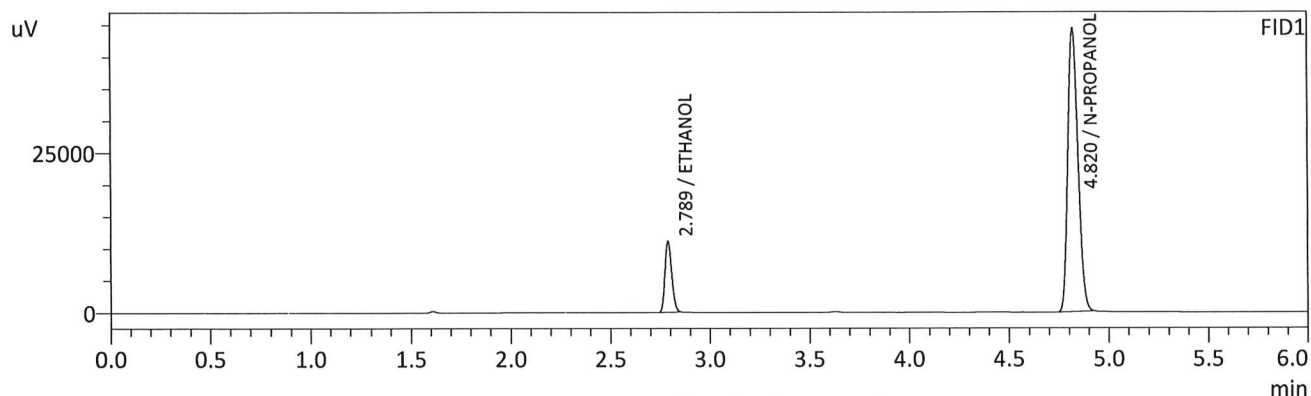
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	25901	11015
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154912	43957
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	26277	12908
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160442	60337
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_7212023\_012.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 12:33:43 PM  
 Date Processed : 7/22/2023 9:39:54 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	26097	11085
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155768	44243
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	26431	13015
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161462	60552
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 7/21/2023 3:34:44 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2127	0.2138	0.0011	0.2132	0.0234	0.2249
(g/100cc)	0.2356	0.2376	0.0020	0.2366		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

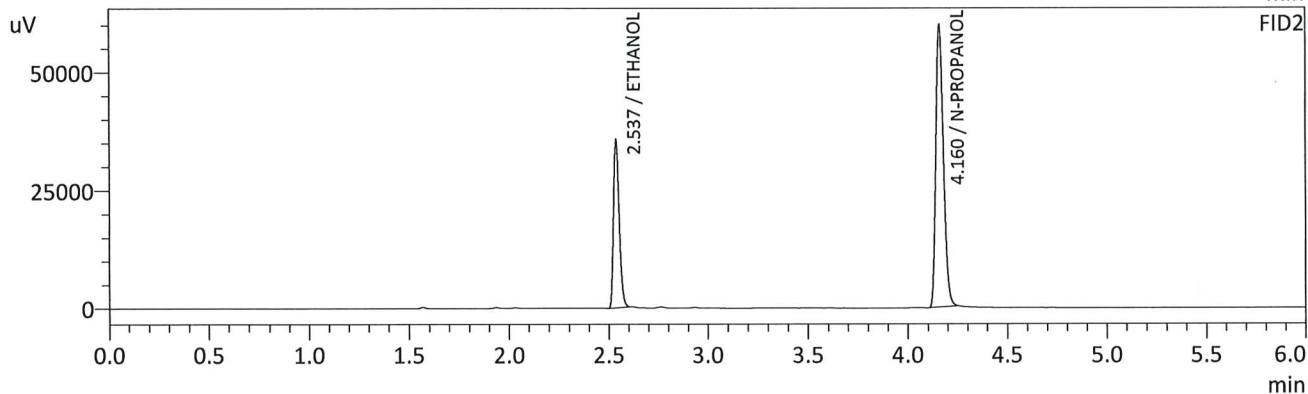
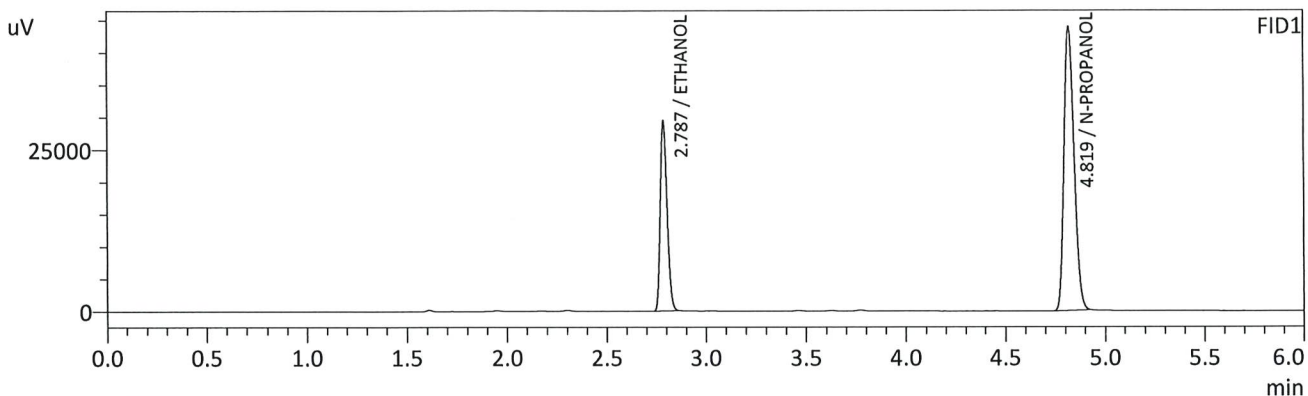
Refer To Instrument Method: ALCOHOL\_072123\_RC.gcm

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.

Sample Name : QC2-1  
 Vial # : 31  
 Data Filename : QC2-1\_7212023\_031.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 3:34:44 PM  
 Date Processed : 7/22/2023 9:41:07 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

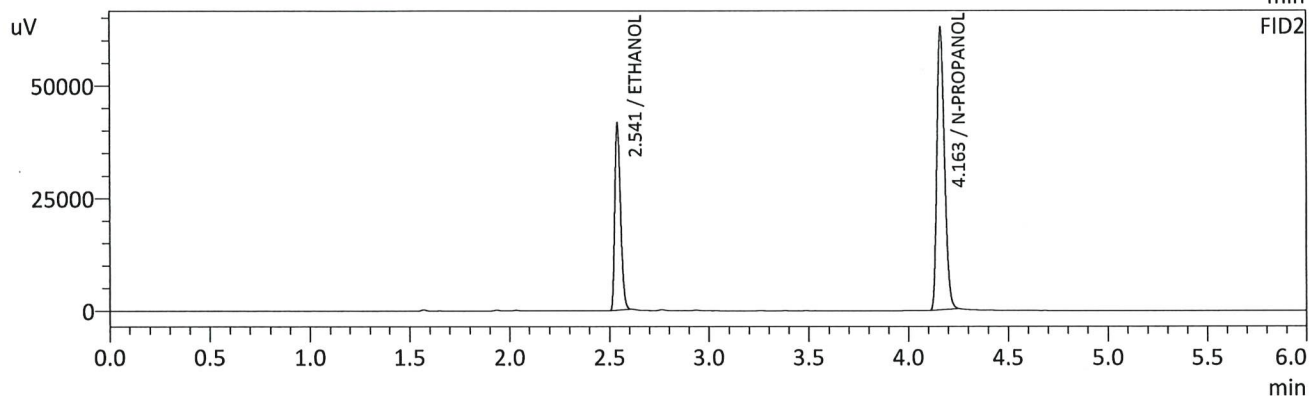
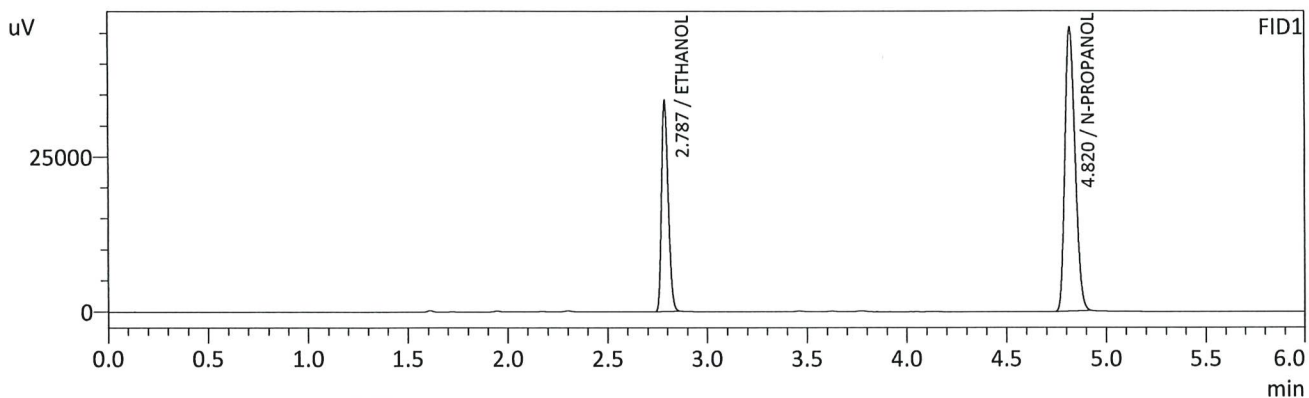
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2127	g/100cc	68963	29161
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154134	43825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2138	g/100cc	71387	35529
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159203	59713
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature*

Sample Name : QC2-1-B  
 Vial # : 32  
 Data Filename : QC2-1-B\_7212023\_032.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 3:44:17 PM  
 Date Processed : 7/22/2023 9:41:10 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2356	g/100cc	79755	33846
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160760	45750
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2376	g/100cc	83188	41447
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166583	62305
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 7/21/2023 6:44:55 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0801	0.0809	0.0008	0.0805	0.0010	0.0810
(g/100cc)	0.0811	0.0819	0.0008	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

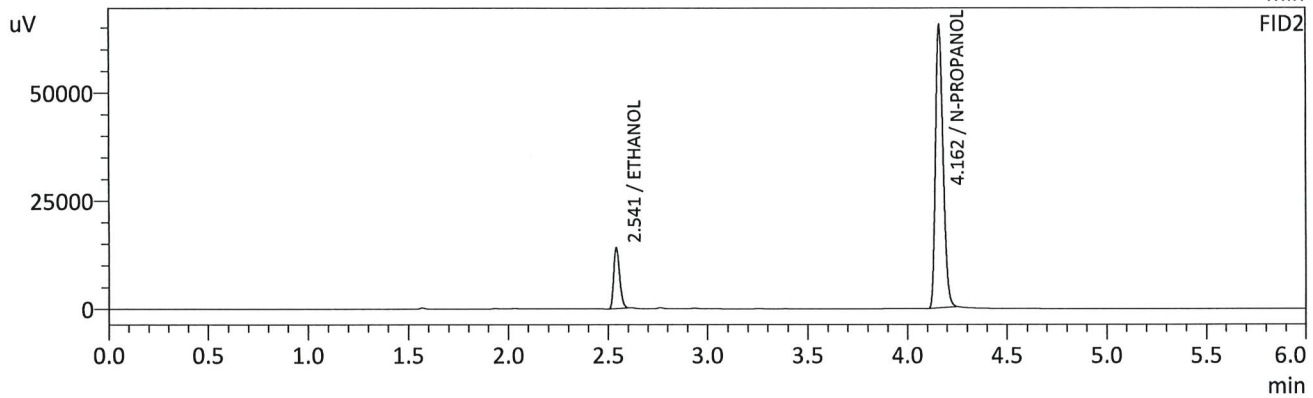
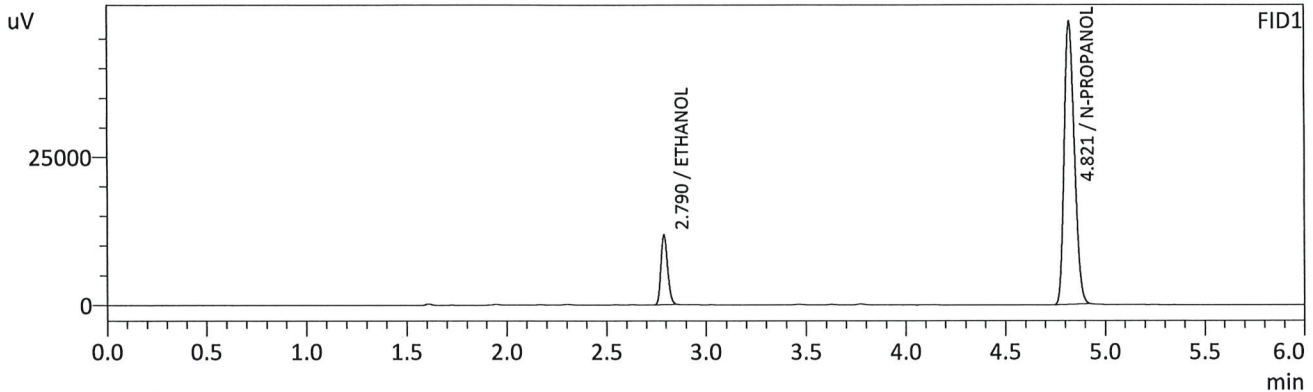
Refer To Instrument Method: ALCOHOL\_072123\_RC.gcm

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

	Reported Results
	0.081

Calibration and control data are stored centrally.

Sample Name : QC1-2  
 Vial # : 51  
 Data Filename : QC1-2\_7212023\_051.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 6:44:55 PM  
 Date Processed : 7/22/2023 9:42:27 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

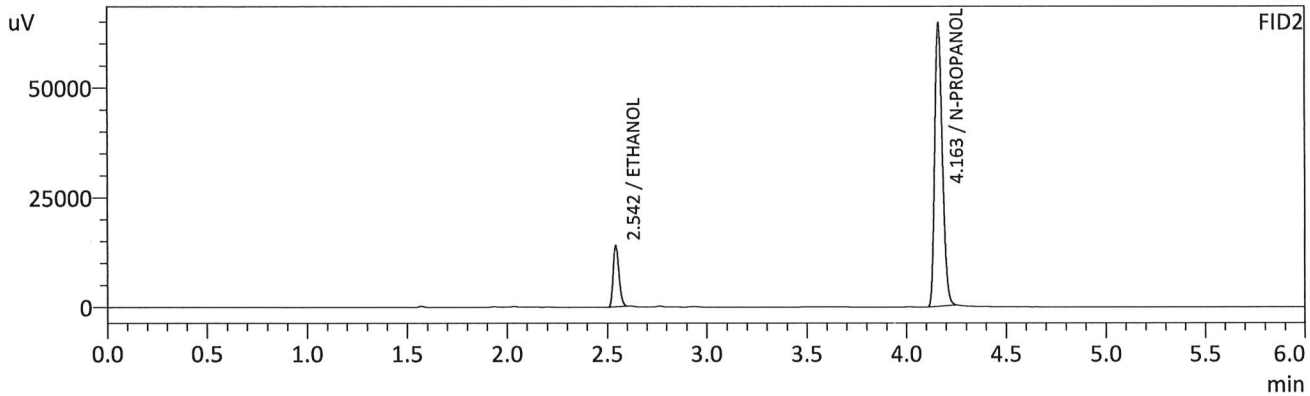
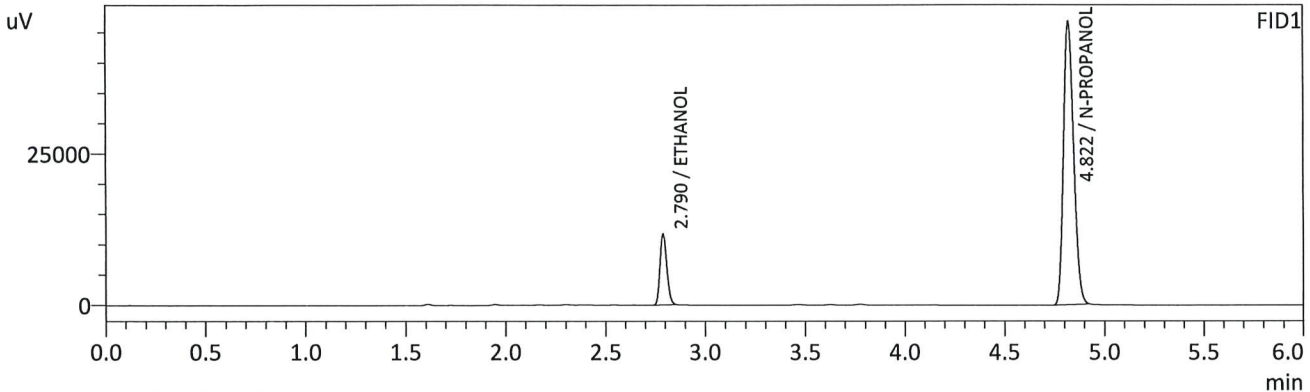
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0801	g/100cc	27821	11745
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167986	47684
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	28452	14031
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173989	65382
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*HC*

Sample Name : QC1-2-B  
 Vial # : 52  
 Data Filename : QC1-2-B\_7212023\_052.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 6:54:44 PM  
 Date Processed : 7/22/2023 9:42:30 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.gcm



FID1

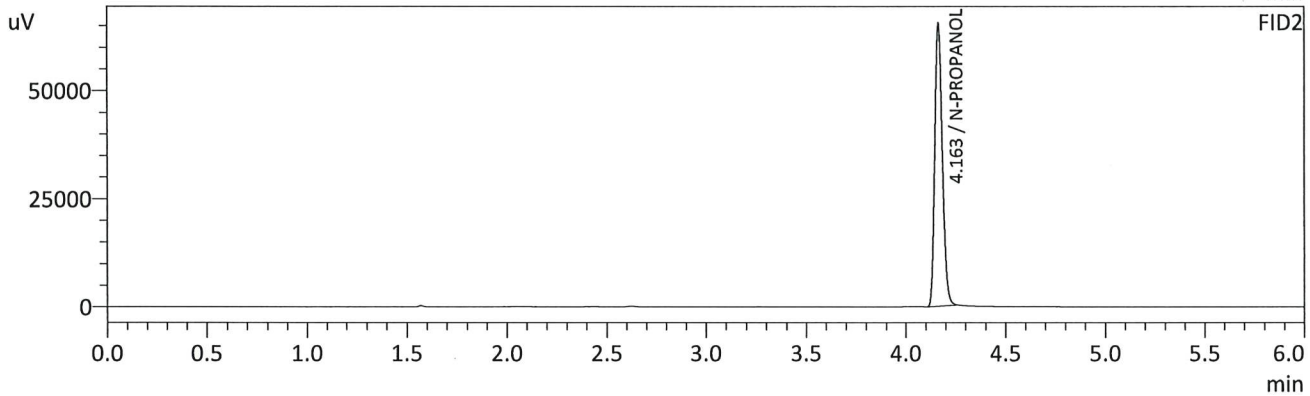
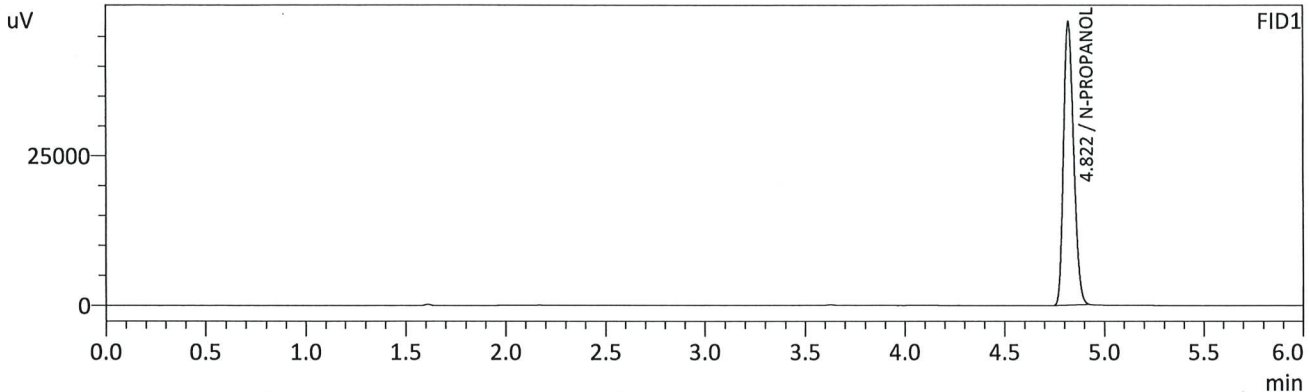
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	27592	11631
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164635	46614
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	28250	13923
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170526	64037
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3  
 Vial # : 53  
 Data Filename : INT STD BLK 3\_7212023\_053.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072123\_RC.gcb  
 Date Acquired : 7/21/2023 7:04:10 PM  
 Date Processed : 7/22/2023 9:42:34 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL.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	166419	47296
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	173054	64909
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CHC*



# 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.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC1-1	0:Unknown	ALCOHOL.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2023-1915-1	0:Unknown	ALCOHOL.gcm		0
14	P2023-1915-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2023-1955-1	0:Unknown	ALCOHOL.gcm		0
16	P2023-1955-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2023-1956-1	0:Unknown	ALCOHOL.gcm		0
18	P2023-1956-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2023-1957-1	0:Unknown	ALCOHOL.gcm		0
20	P2023-1957-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2023-1958-1	0:Unknown	ALCOHOL.gcm		0
22	P2023-1958-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2023-1973-1	0:Unknown	ALCOHOL.gcm		0
24	P2023-1973-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2023-1974-1	0:Unknown	ALCOHOL.gcm		0
26	P2023-1974-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2023-1981-1	0:Unknown	ALCOHOL.gcm		0
28	P2023-1981-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2023-1982-1	0:Unknown	ALCOHOL.gcm		0
30	P2023-1982-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC2-1	0:Unknown	ALCOHOL.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2023-1983-1	0:Unknown	ALCOHOL.gcm		0
34	P2023-1983-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2023-1986-1	0:Unknown	ALCOHOL.gcm		0
36	P2023-1986-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2023-1987-1	0:Unknown	ALCOHOL.gcm		0
38	P2023-1987-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2023-1991-1	0:Unknown	ALCOHOL.gcm		0
40	P2023-1991-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2023-1992-2	0:Unknown	ALCOHOL.gcm		0
42	P2023-1992-2-B	0:Unknown	ALCOHOL.gcm		0
43	P2023-2001-1	0:Unknown	ALCOHOL.gcm		0
44	P2023-2001-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2023-2010-1	0:Unknown	ALCOHOL.gcm		0
46	P2023-2010-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2023-2011-1	0:Unknown	ALCOHOL.gcm		0
48	P2023-2011-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2023-2012-1	0:Unknown	ALCOHOL.gcm		0
50	P2023-2012-1-B	0:Unknown	ALCOHOL.gcm		0
51	QC1-2	0:Unknown	ALCOHOL.gcm		0
52	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
53	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0

AC