

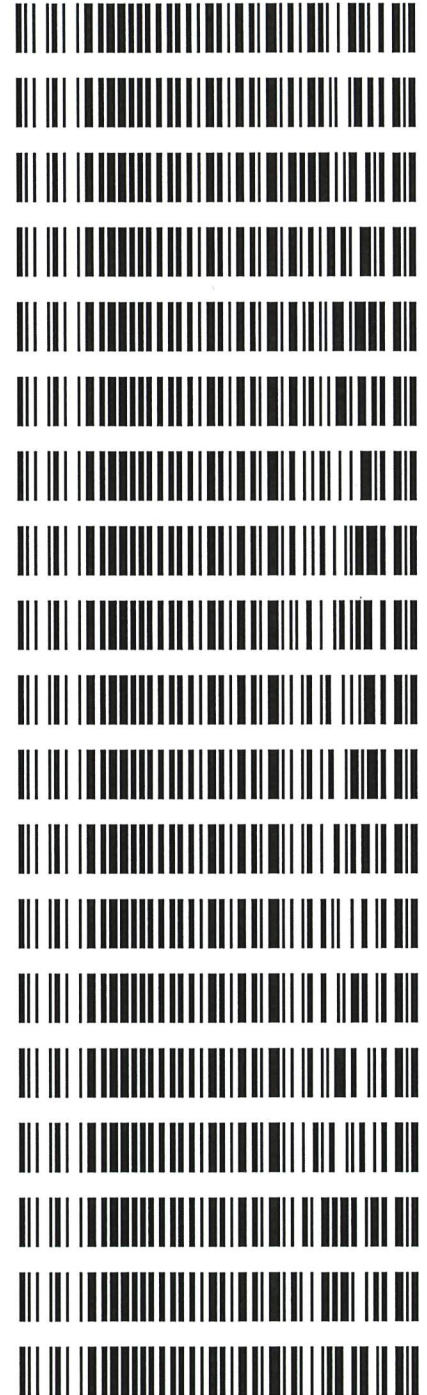
**REVIEWED**

By Tamara Salazar at 2:11 pm, Jul 24, 2023

7/22/2023

**Worklist: 6443**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2026	1	BCK	Alcohol Analysis
P2023-2029	1	BCK	Alcohol Analysis
P2023-2048	1	BCK	Alcohol Analysis
P2023-2049	1	BCK	Alcohol Analysis
P2023-2055	1	BCK	Alcohol Analysis
P2023-2056	1	BCK	Alcohol Analysis
P2023-2067	1	BCK	Alcohol Analysis
P2023-2068	1	BCK	Alcohol Analysis
P2023-2076	1	BCK	Alcohol Analysis
P2023-2087	1	BCK	Alcohol Analysis
P2023-2088	1	BCK	Alcohol Analysis
P2023-2089	1	BCK	Alcohol Analysis
P2023-2090	1	BCK	Alcohol Analysis
P2023-2091	1	BCK	Alcohol Analysis
P2023-2092	1	BCK	Alcohol Analysis
P2023-2109	1	BCK	Alcohol Analysis
P2023-2123	1	BCK	Alcohol Analysis
* P2023-2131	1	BCK	Alcohol Analysis
P2023-2134	1	BCK	Alcohol Analysis



Ran with worklist 6442  
on 7/24/23. 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): 07-22-2023**

**Calibration Date: (if different) : 07-21-2023**

**Worklist #: 6443**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0737 g/100cc 0.0788 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2087 g/100cc g/100cc
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>2024 October</b>	<b>Lot #</b>	<b>FN06041902 OK</b>
<b>Curve Fit:</b>		<b>Column 1</b>	<b>0.99998</b>	<b>Column2</b>	<b>0.99994</b>

**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

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

### Internal Standard Monitoring Worksheet

**Worklist #:** 6443      **Run Date(s):** 07-22-2023

**Internal Standard Solution:**      **Prep Date:** 6/28/2023      **Exp Date:** 12/28/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	157255	163065
0.080	156655	162343
QC1	157196	163101
QC1	158370	164338
QC1	159767	165000
QC1	167898	173832
QC1		
QC1		
QC2	158943	164108
QC2	158196	163283
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1 159285.0	127428.0	191142.0
Column 2 164883.8	131907.0	197860.5



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

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## Calibration Table

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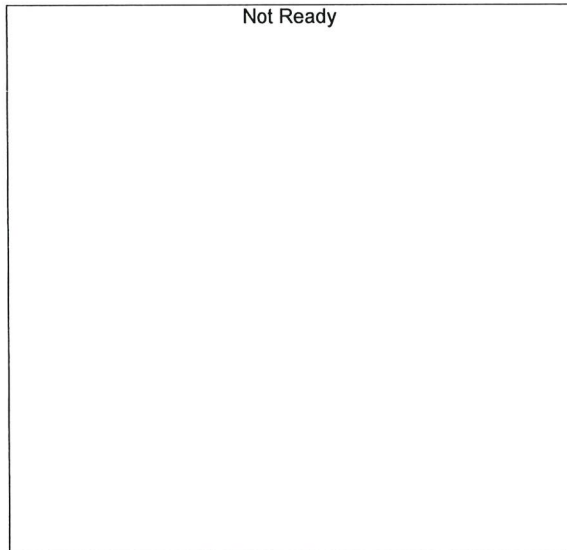
Laboratory: Pocatello  
 Instrument Name : G1KG333-Instrument1

<<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

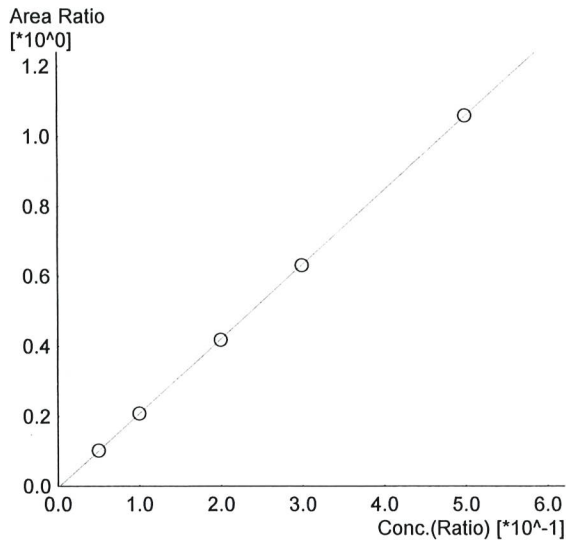
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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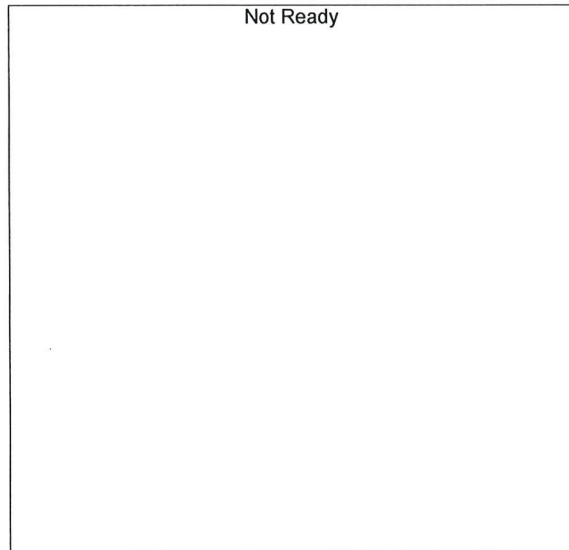
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.12525*x-0.00478613$   
 R<sup>2</sup> value= 0.9999858 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	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
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JAC

Not Ready

Name : DFE  
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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Not Ready

Name : TFE  
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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Not Ready

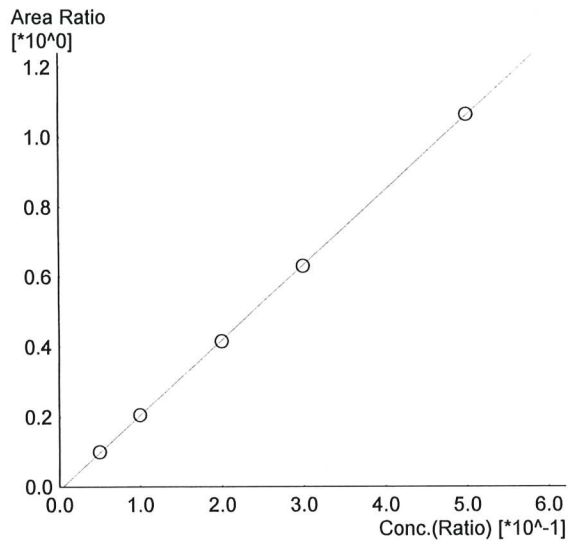
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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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
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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

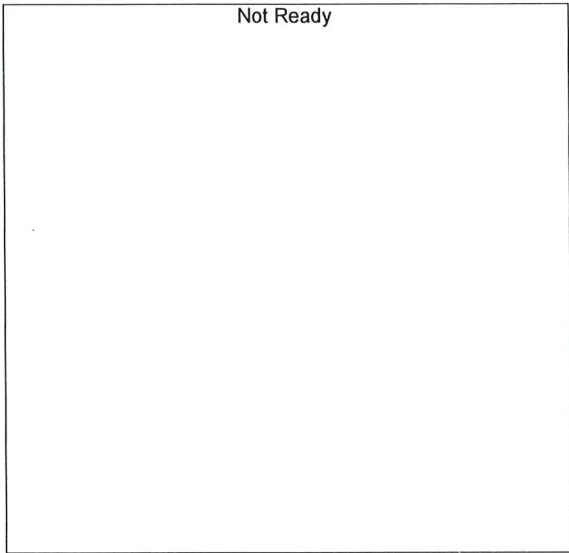
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15820	0.0512	0.050_7212023_001.gcd
2	0.100	32850	0.1002	0.100_7212023_002.gcd
3	0.200	67391	0.1986	0.200_7212023_003.gcd
4	0.300	102615	0.2987	0.300_7212023_004.gcd
5	0.500	173652	0.5011	0.500_7212023_005.gcd



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

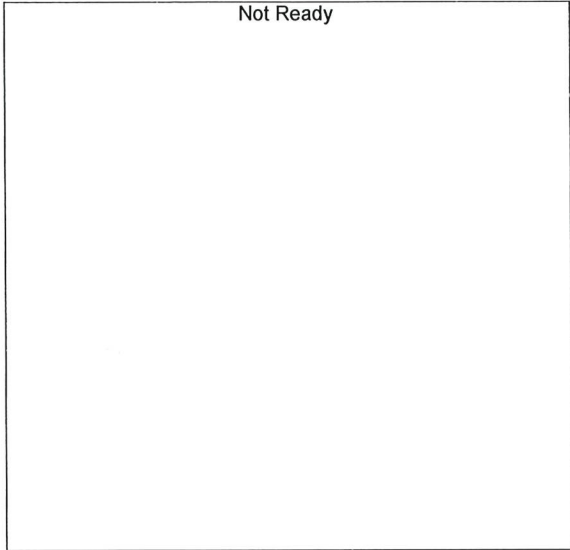
#	Conc.	Area	Std. Conc.	Data File Name
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JFC



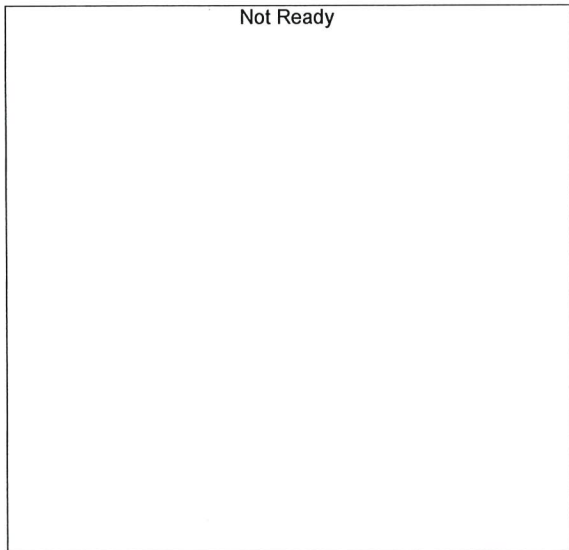
Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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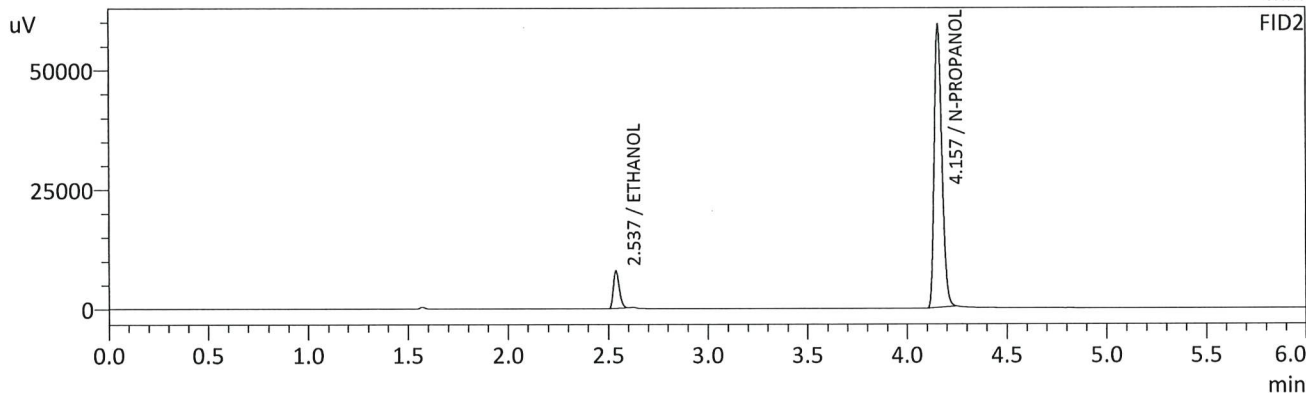
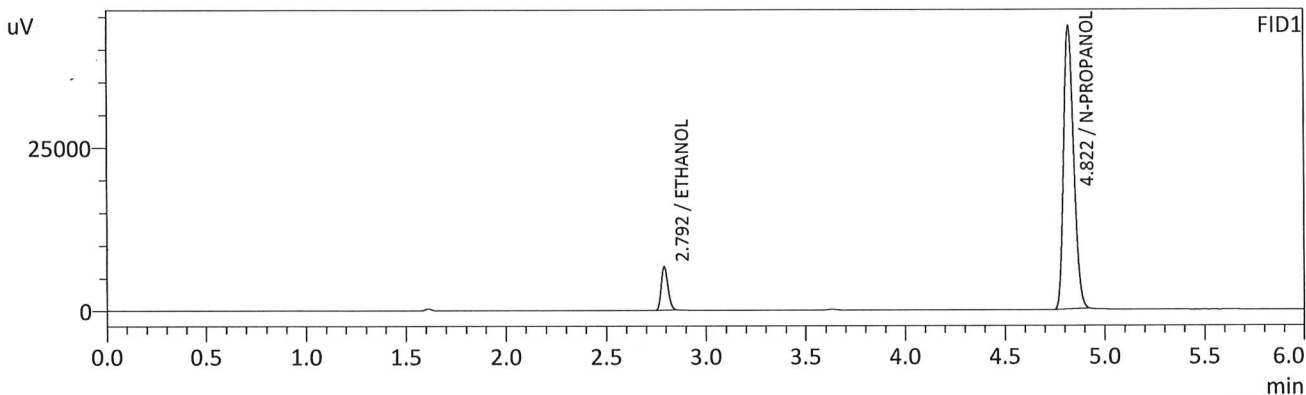
Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



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

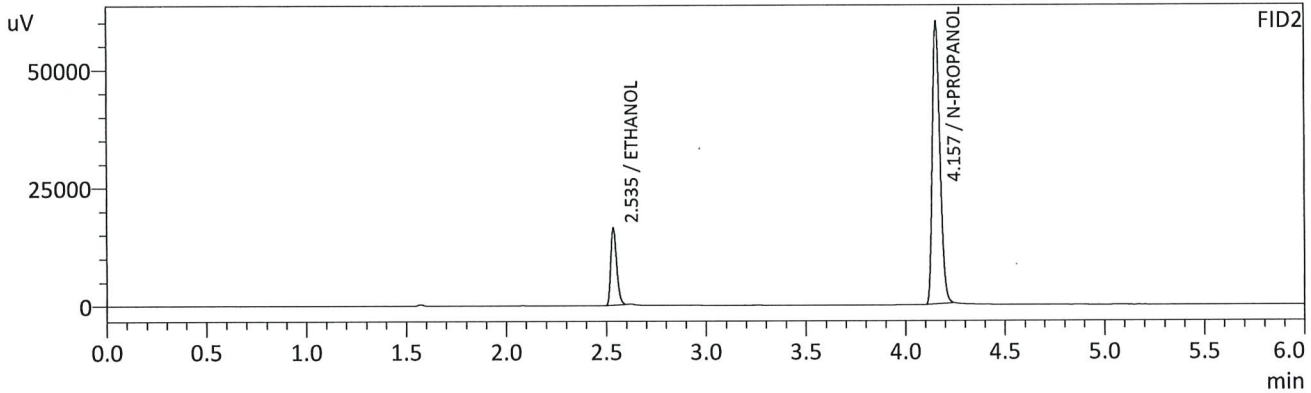
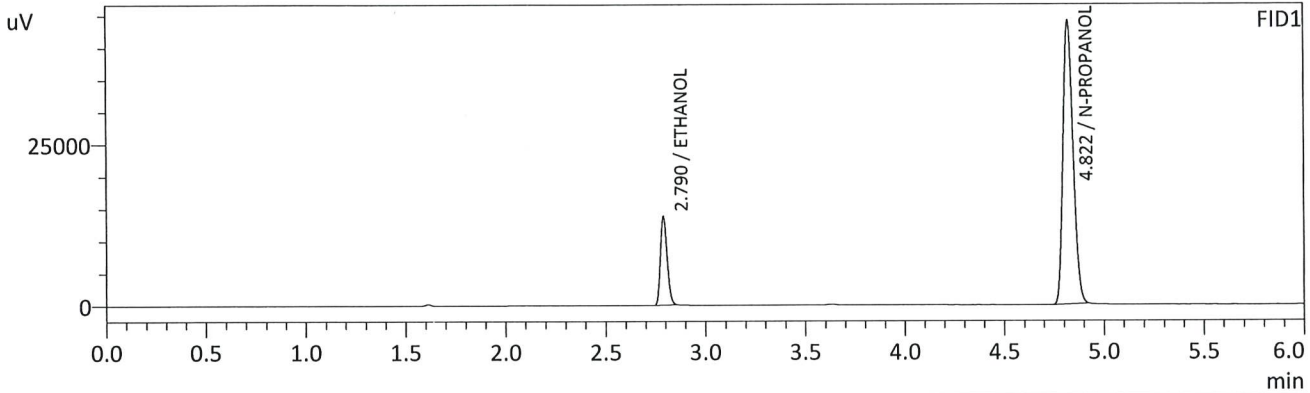
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0505	g/100cc	15685	6626
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152712	43295
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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

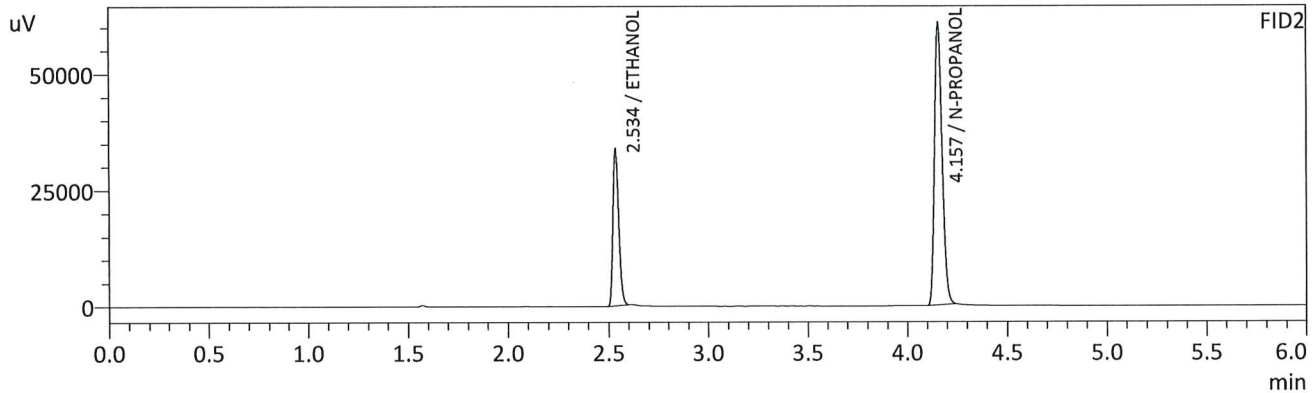
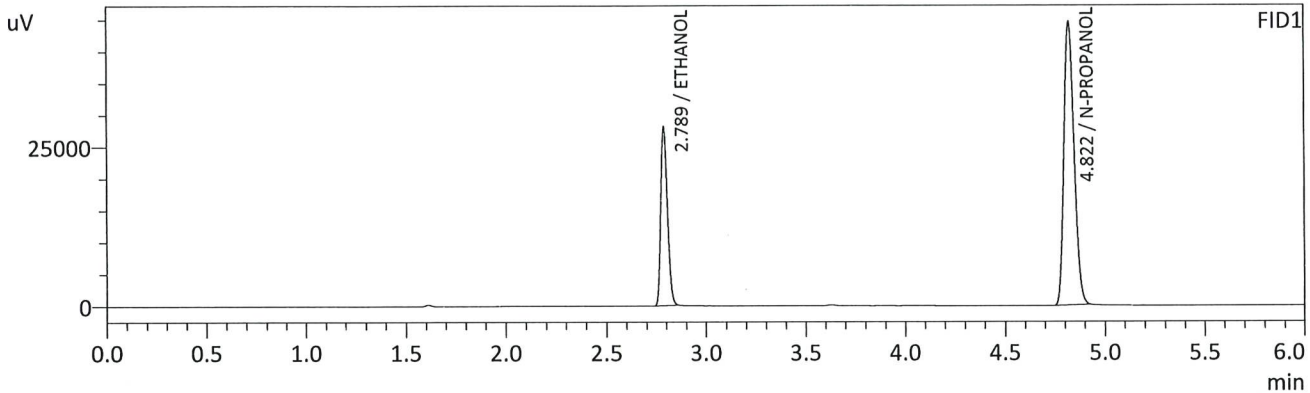
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32245	13680
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154802	43955
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	--	--

HC

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

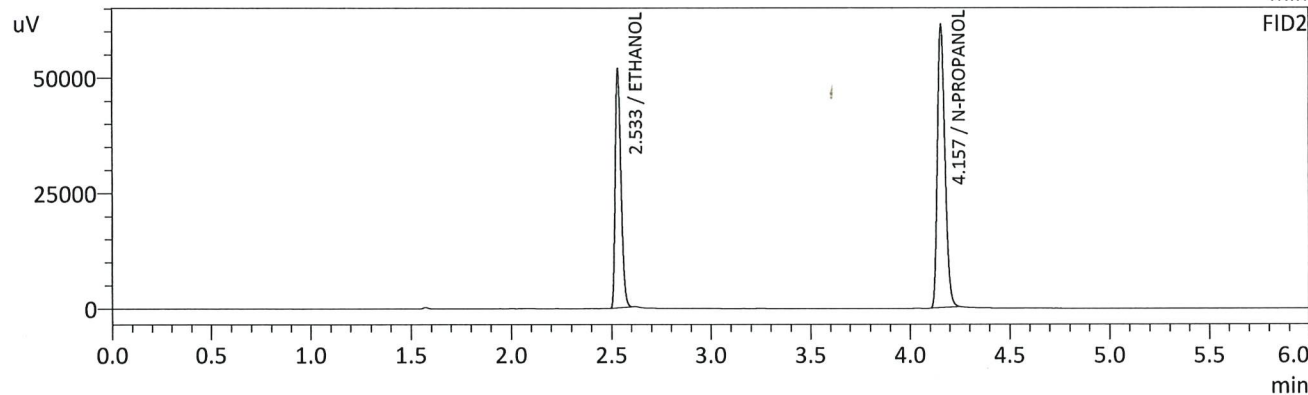
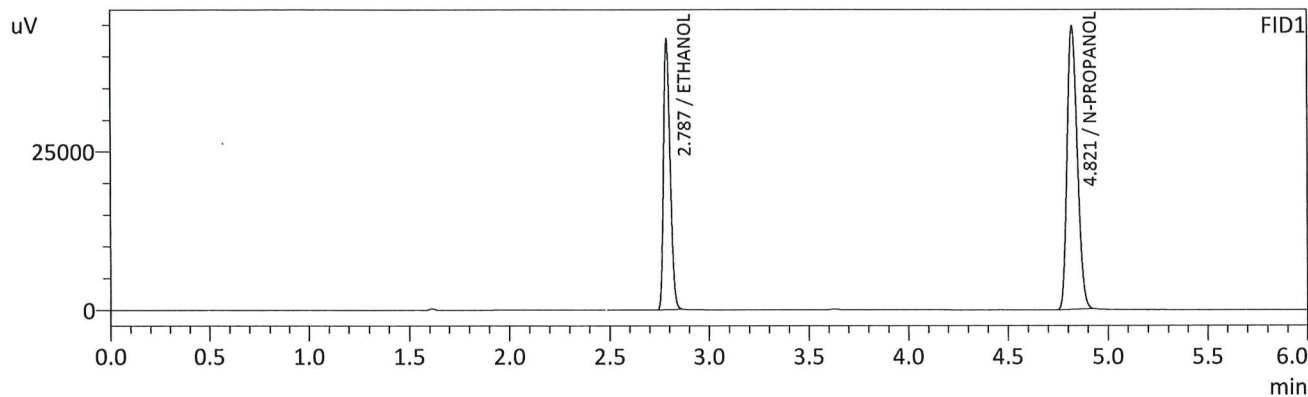
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	65651	28054
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156831	44458
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	--	--

*WRC*

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	--	--

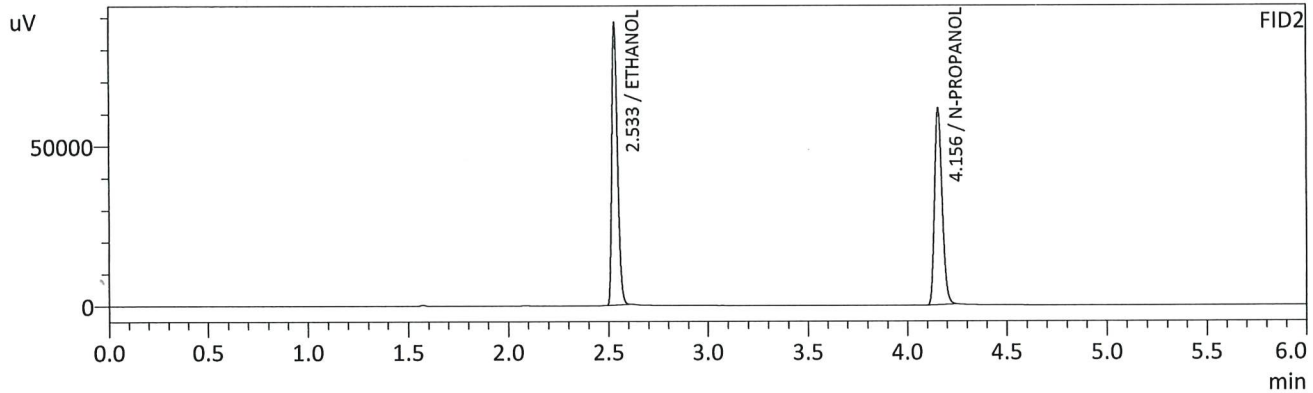
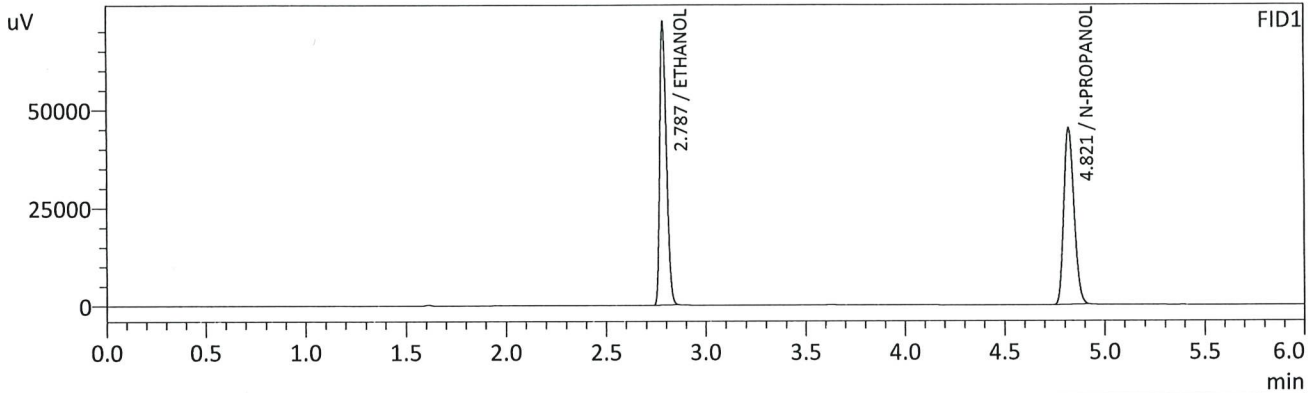
FID2

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

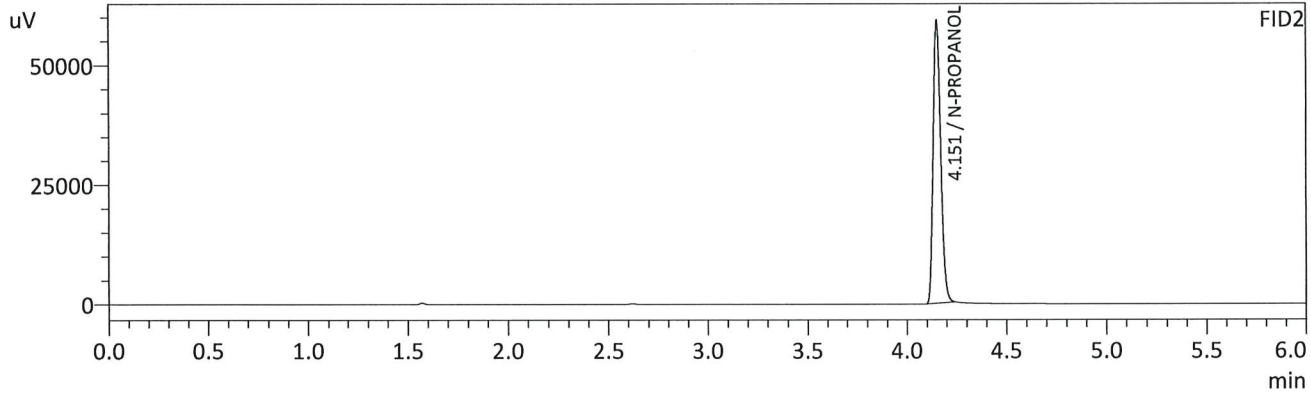
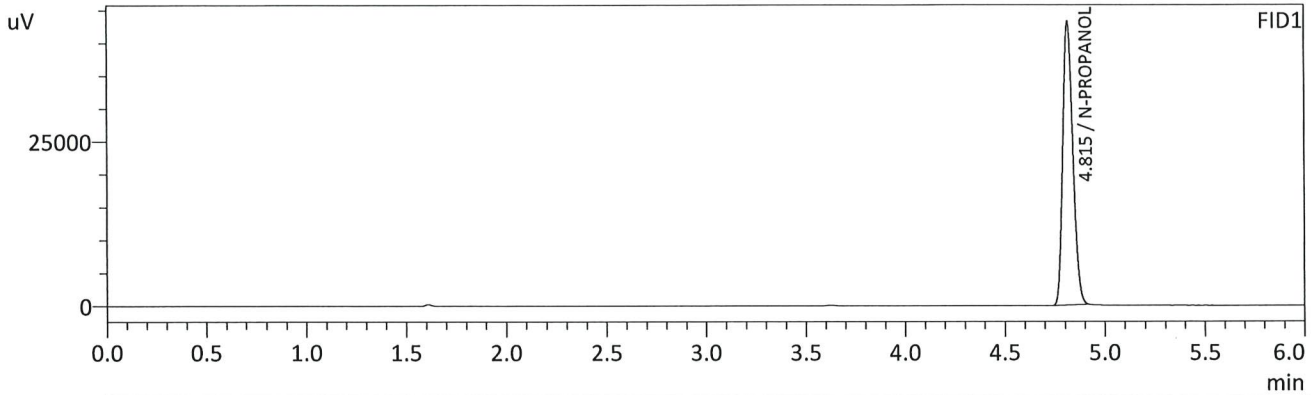
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5005	g/100cc	167679	71522
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158321	44818
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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 # : 1  
 Data Filename : INT STD BLK 1\_7222023\_001.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 10:23:40 AM  
 Date Processed : 7/22/2023 10:29:41 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

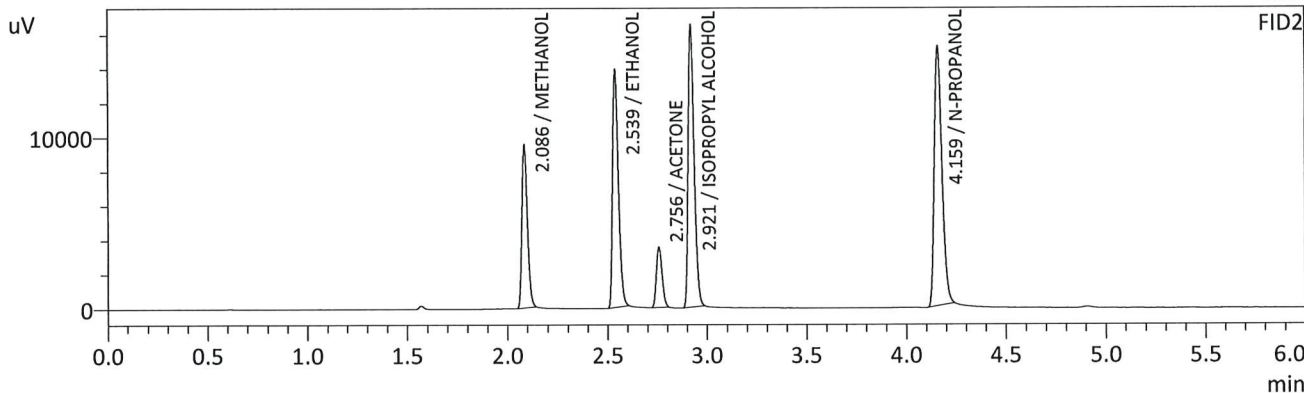
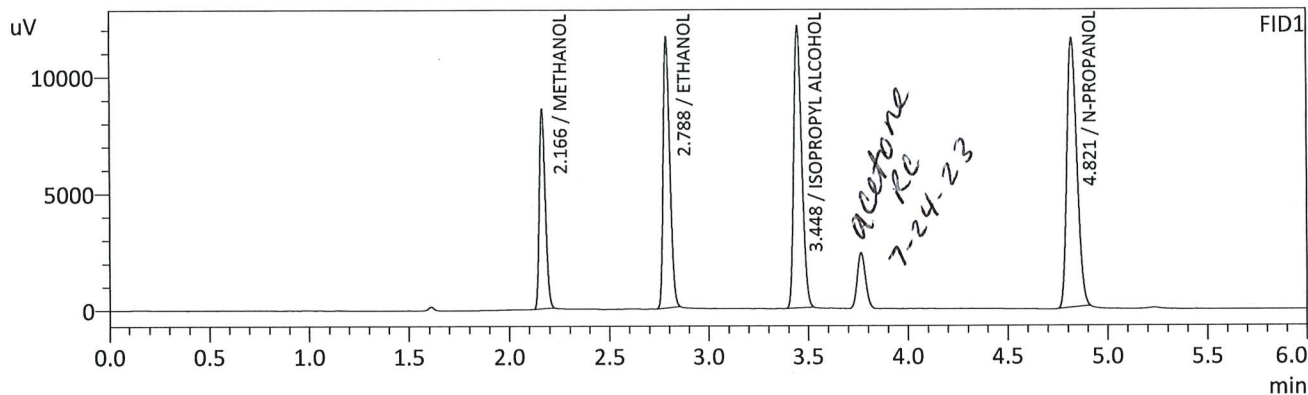
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151620	43145
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	157075	59124
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_7222023\_002.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 10:33:10 AM  
 Date Processed : 7/22/2023 10:39:12 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

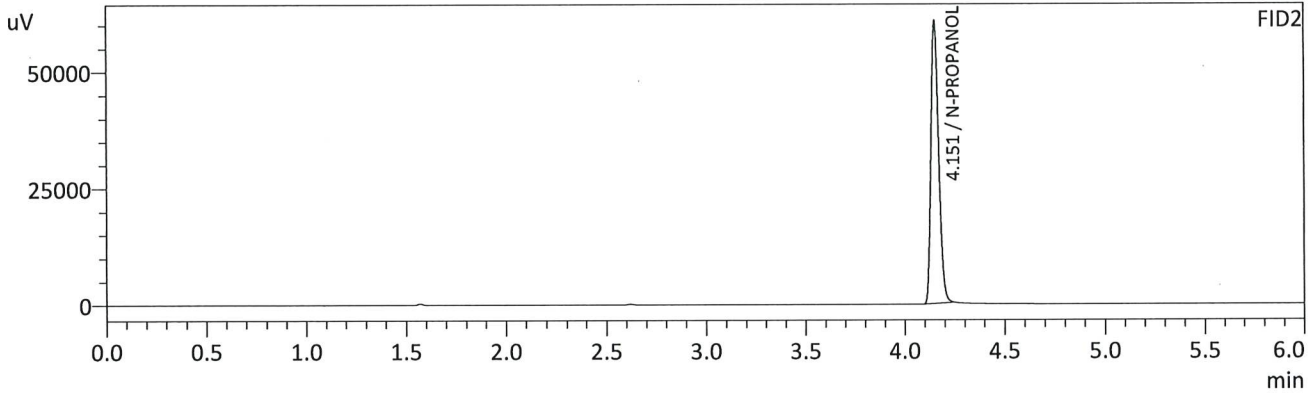
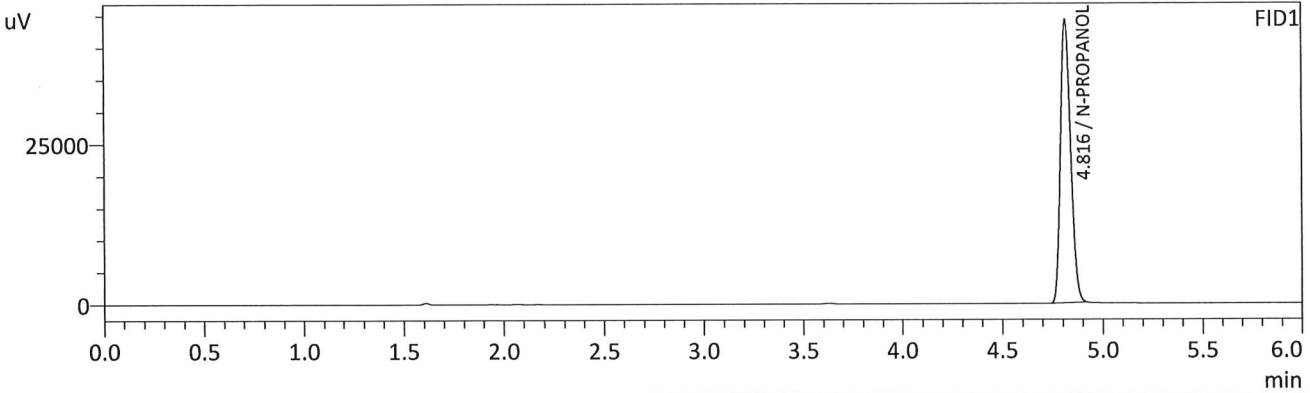
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17460	8436
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.3168	g/100cc	26992	11553
ISOPROPYL ALCOHOL	0.0000	g/100cc	33765	12005
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	40377	11472
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18032	9394
ETHANOL	0.3251	g/100cc	27841	13695
ACETONE	0.0000	g/100cc	7026	3508
ISOPROPYL ALCOHOL	0.0000	g/100cc	34784	16310
N-PROPANOL	0.0000	g/100cc	40528	15082
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_7222023\_003.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 10:42:31 AM  
 Date Processed : 7/22/2023 10:48:32 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_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	155189	44093
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	160918	60614
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 7/22/2023 10:52:16 AM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0739	0.0736	0.0003	0.0737	0.0001	0.0737
(g/100cc)	0.0738	0.0735	0.0003	0.0736		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

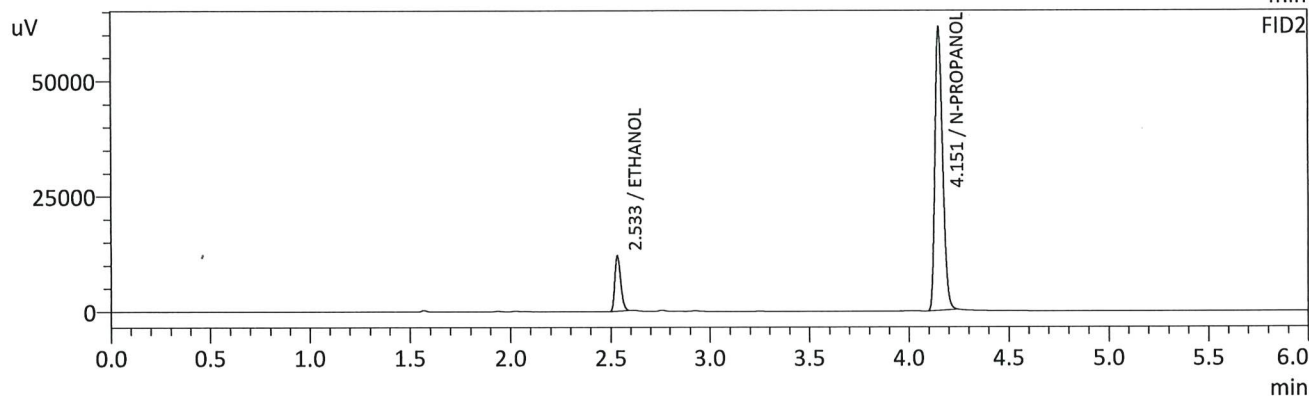
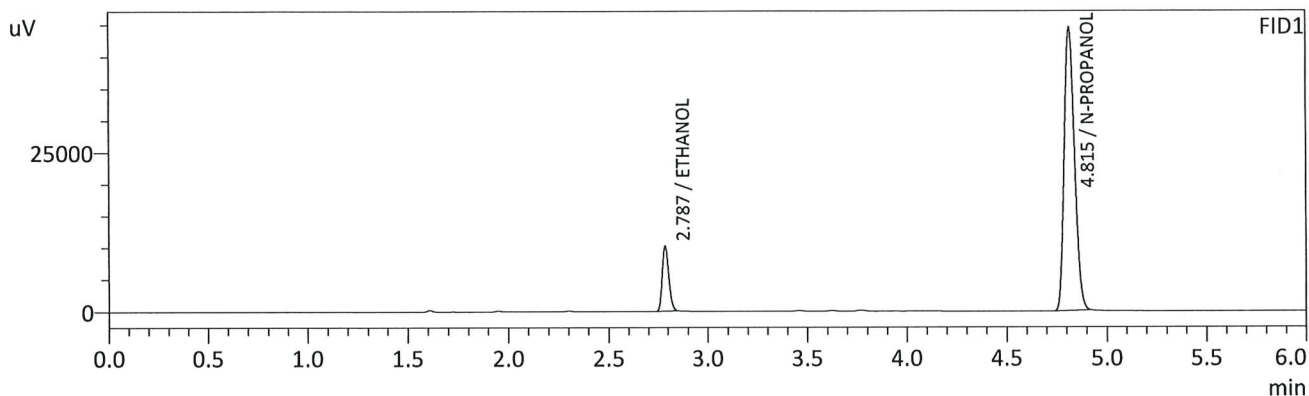
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.073	0.069	0.077	0.004

	Reported Results
	0.073

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_7222023\_004.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 10:52:16 AM  
 Date Processed : 7/22/2023 10:58:17 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



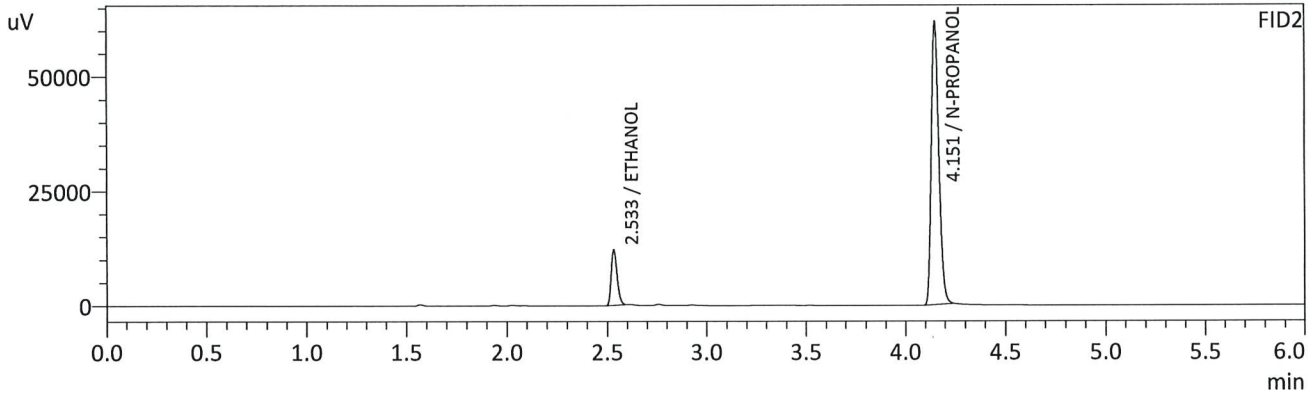
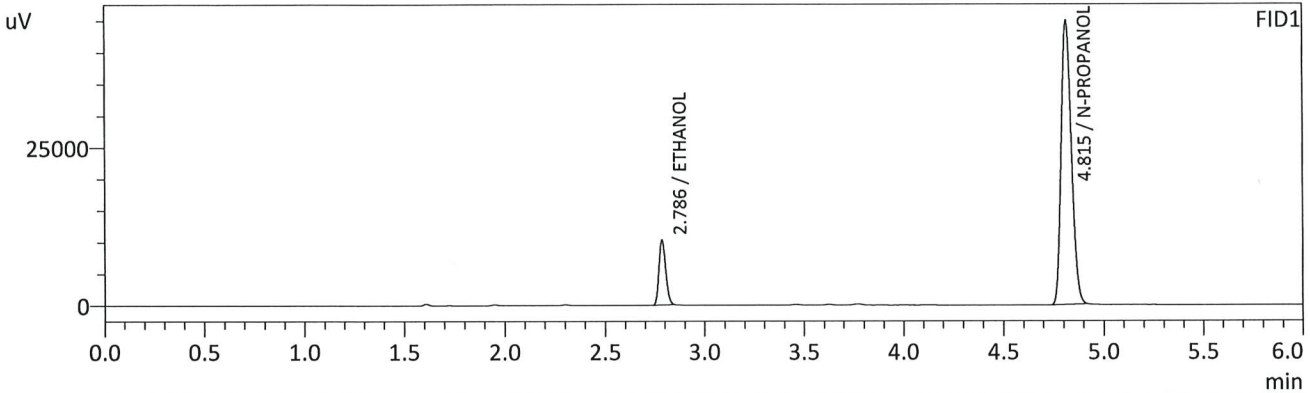
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0739	g/100cc	23958	10116
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157196	44410
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0736	g/100cc	24122	11955
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163101	61367
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_7222023\_005.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 11:01:47 AM  
 Date Processed : 7/22/2023 11:07:49 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0738	g/100cc	24099	10152
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158370	44828
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0735	g/100cc	24278	12029
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164338	61744
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): 7/22/2023 11:11:04 AM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0802	0.0002	0.0803	0.0000	0.0803
(g/100cc)	0.0804	0.0802	0.0002	0.0803		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

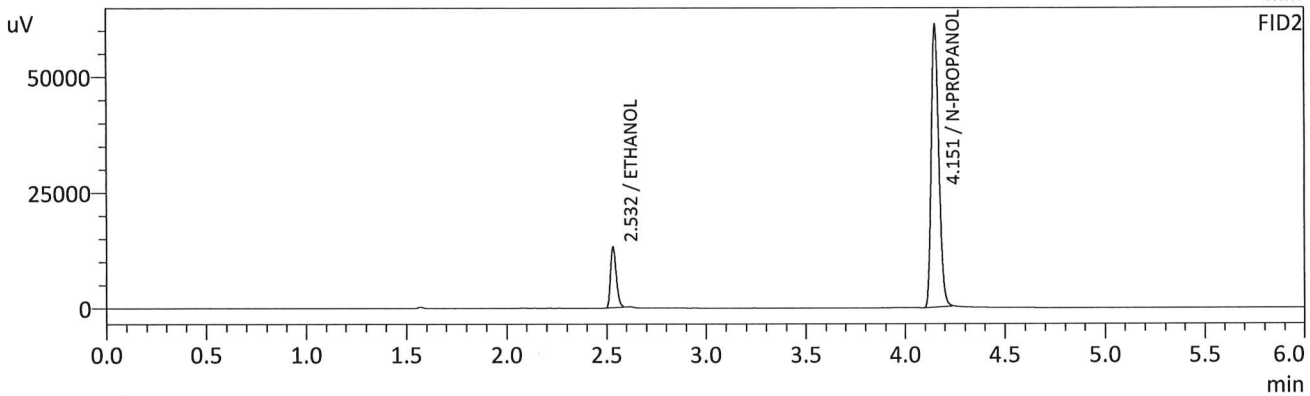
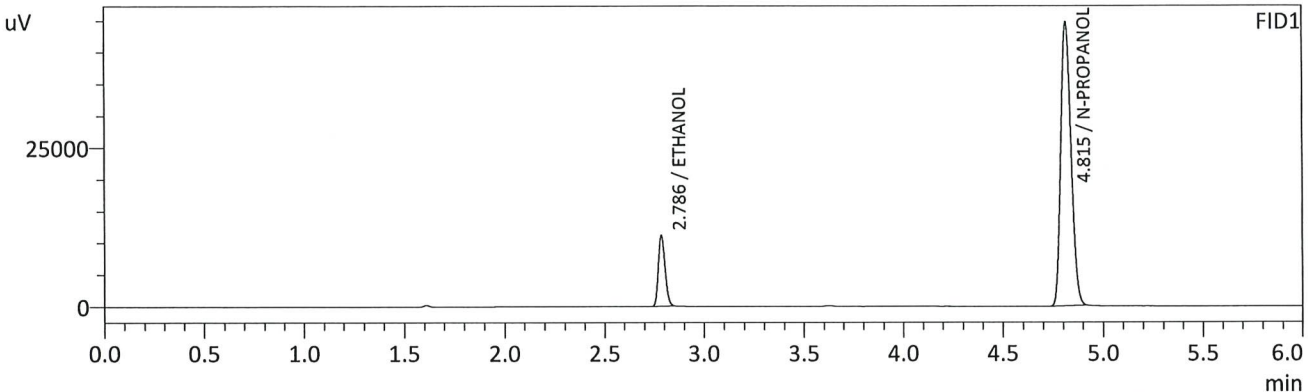
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

	Reported Results
	0.080

Calibration and control data are stored centrally.



Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_7222023\_006.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 11:11:04 AM  
 Date Processed : 7/22/2023 11:17:06 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

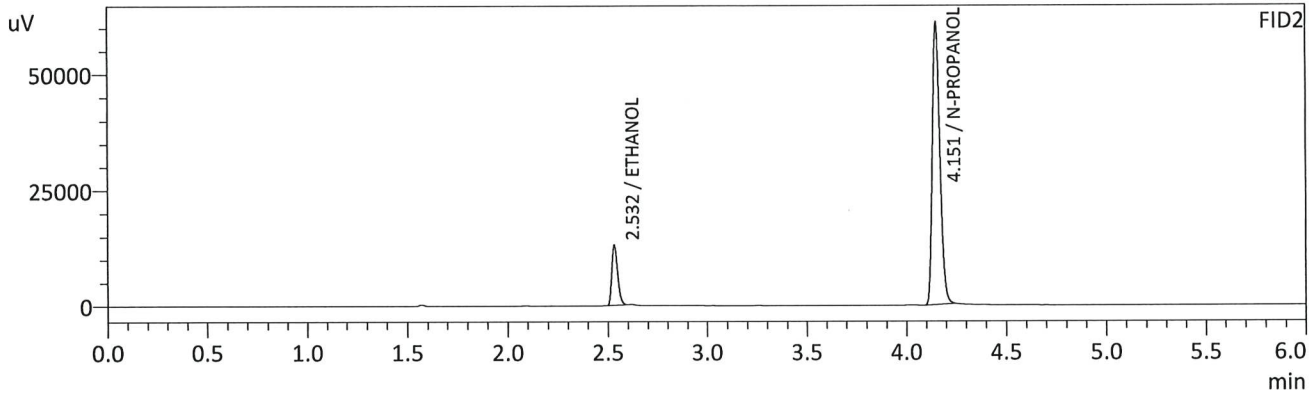
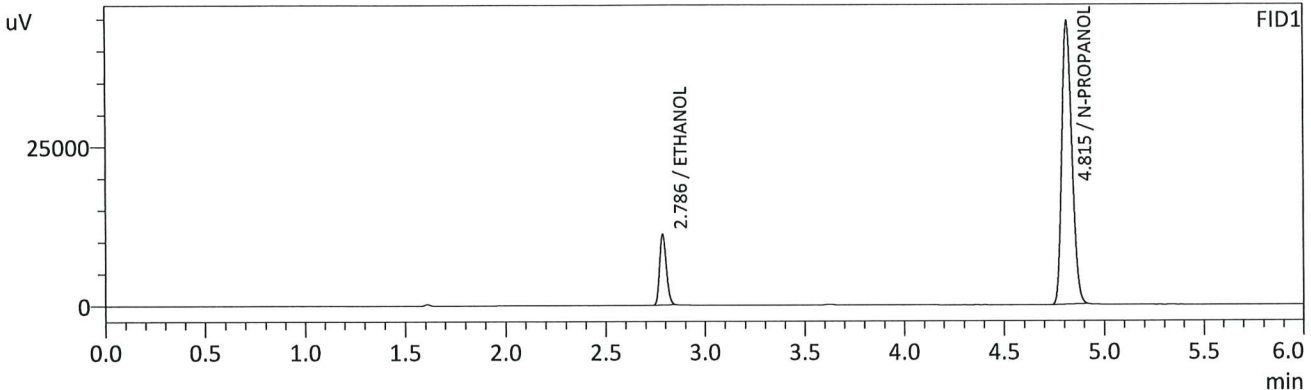
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	26133	11008
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157255	44593
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	26440	13124
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163065	61098
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_7222023\_007.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 11:20:48 AM  
 Date Processed : 7/22/2023 11:26:50 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	26019	10992
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156655	44509
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	26299	13049
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162343	60911
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 7/22/2023 2:21:41 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2081	0.2085	0.0004	0.2083	0.0009	0.2087
(g/100cc)	0.2090	0.2094	0.0004	0.2092		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

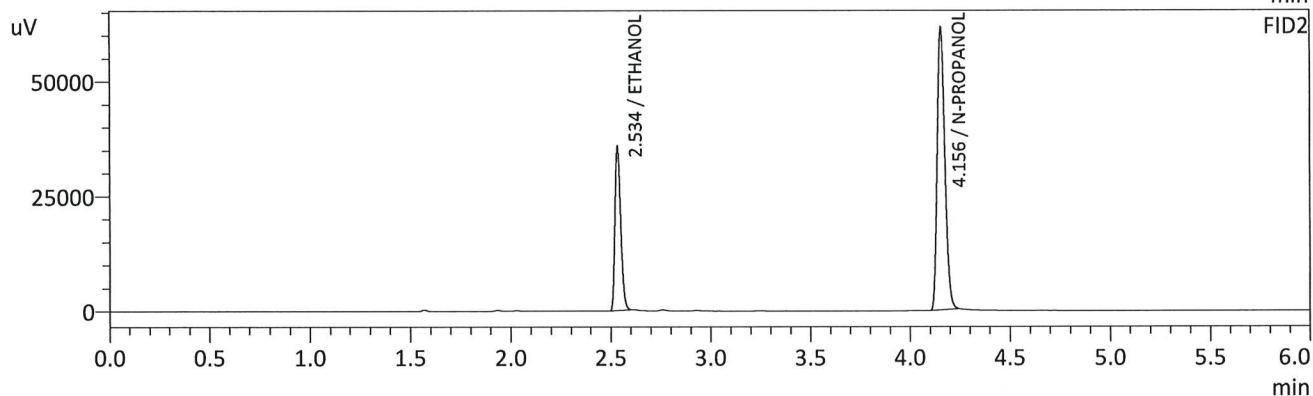
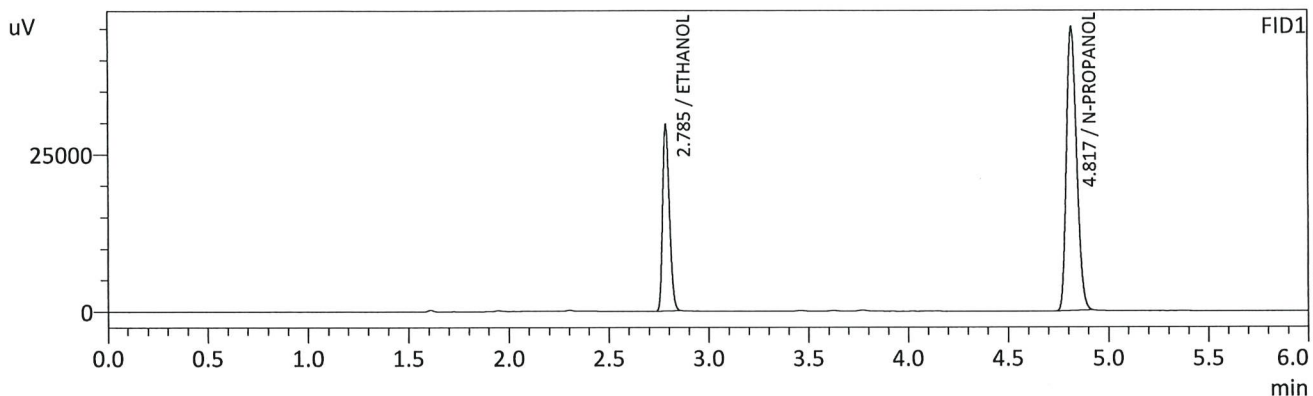
Refer To Instrument Method: ALCOHOL\_072123\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

	Reported Results	
	0.208	

Calibration and control data are stored centrally.

Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_7222023\_026.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 2:21:41 PM  
 Date Processed : 7/22/2023 2:27:41 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



## FID1

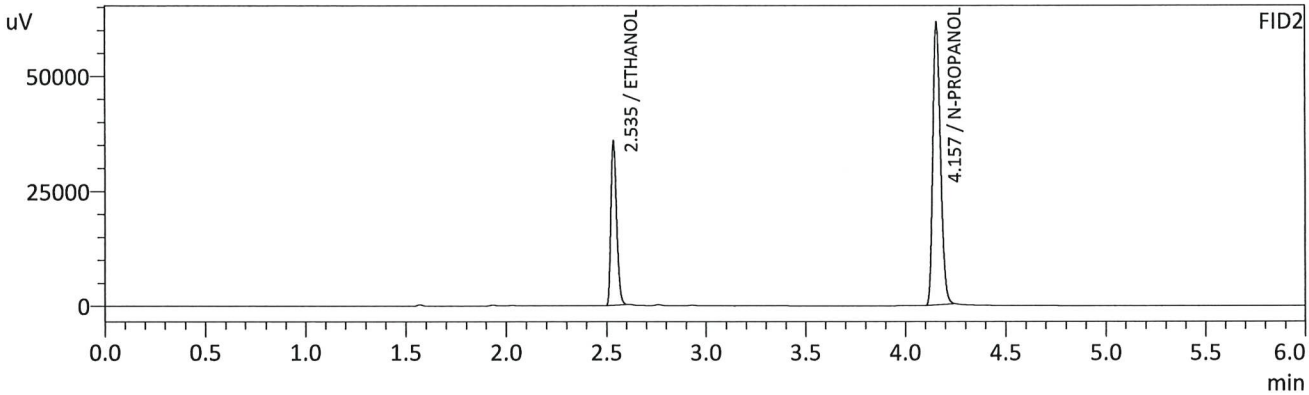
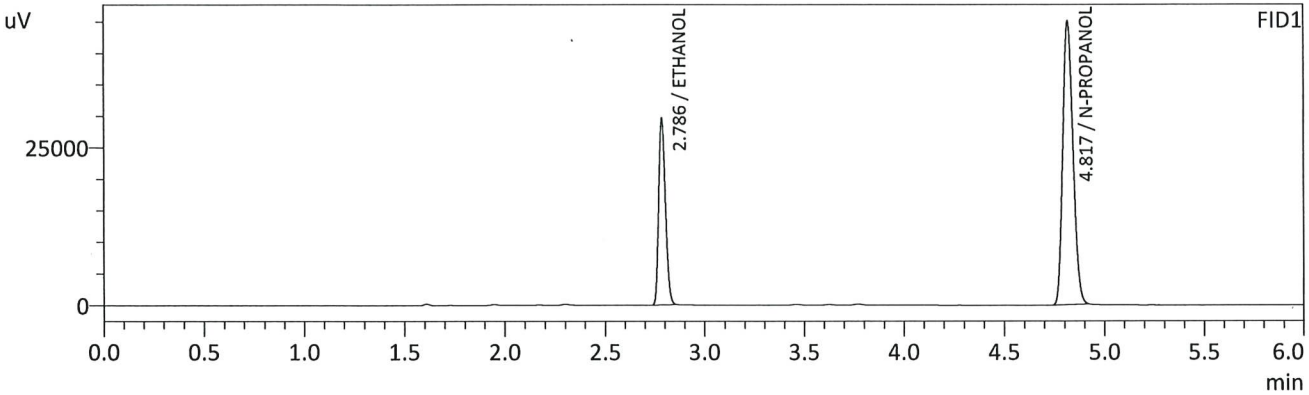
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2081	g/100cc	69540	29489
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158943	45058
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2085	g/100cc	71713	35171
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164108	61527
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_7222023\_027.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 2:30:57 PM  
 Date Processed : 7/22/2023 2:37:00 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2090	g/100cc	69539	29391
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158196	44967
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2094	g/100cc	71672	35353
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163283	61429
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 7/22/2023 5:50:53 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0770	0.0779	0.0009	0.0774	0.0027	0.0788
(g/100cc)	0.0797	0.0806	0.0009	0.0801		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

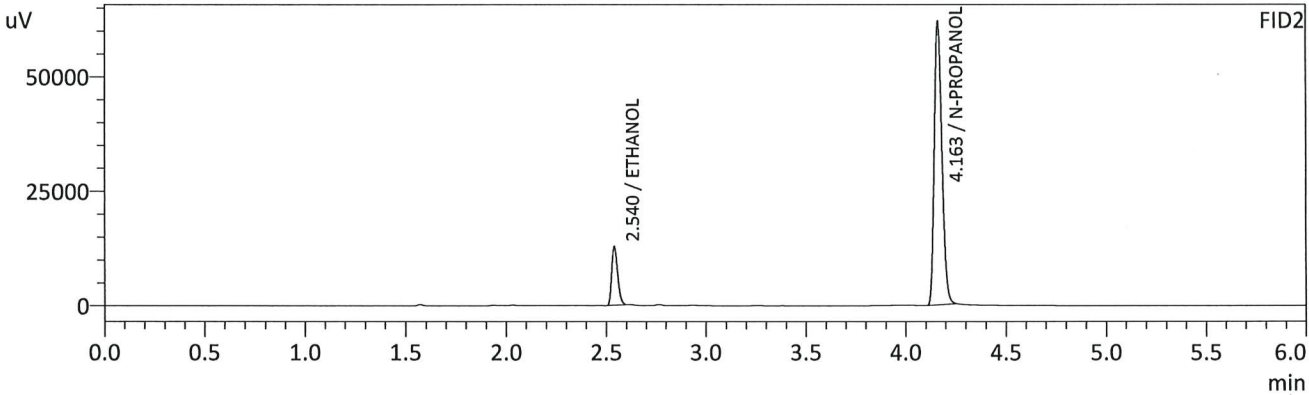
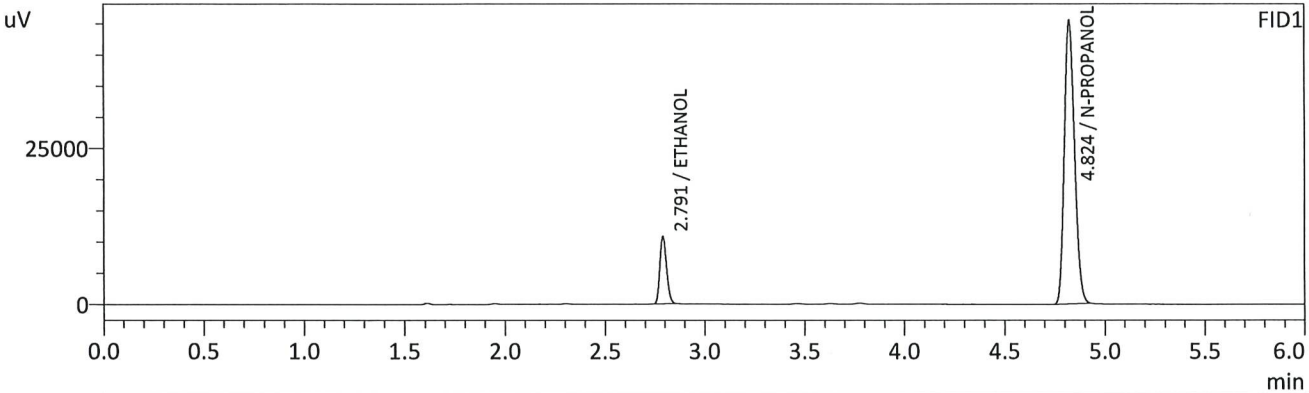
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

	Reported Results
	0.078

Calibration and control data are stored centrally.



Sample Name : QC1-2  
 Vial # : 48  
 Data Filename : QC1-2\_7222023\_048.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 5:50:53 PM  
 Date Processed : 7/22/2023 5:56:54 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

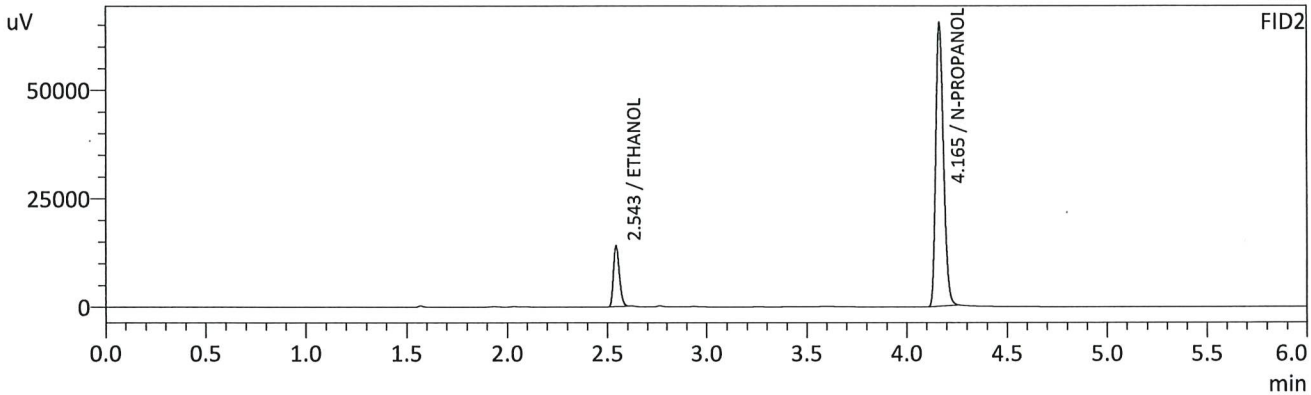
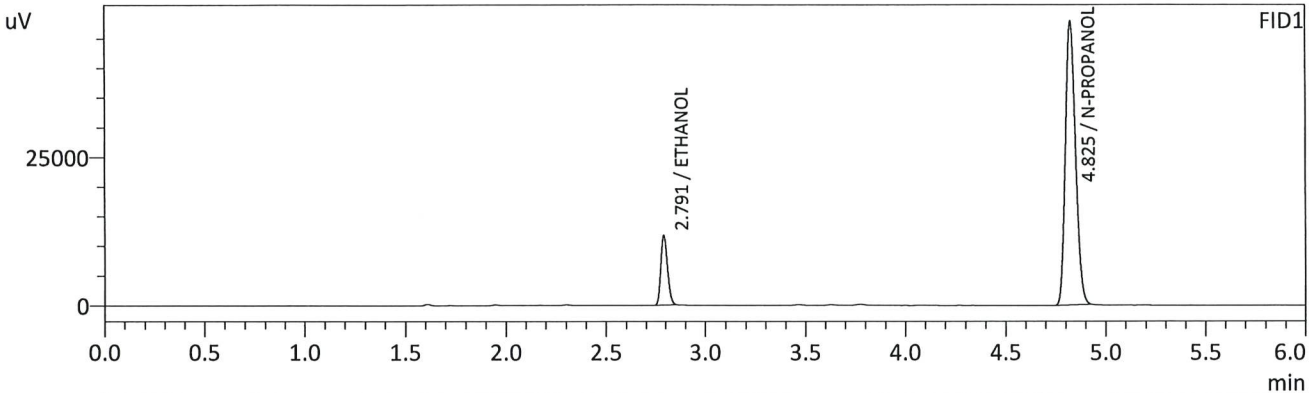
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	25410	10667
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159767	45488
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	25924	12756
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165000	61465
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_7222023\_049.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 6:00:42 PM  
 Date Processed : 7/22/2023 6:06:44 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_RC.gcm



FID1

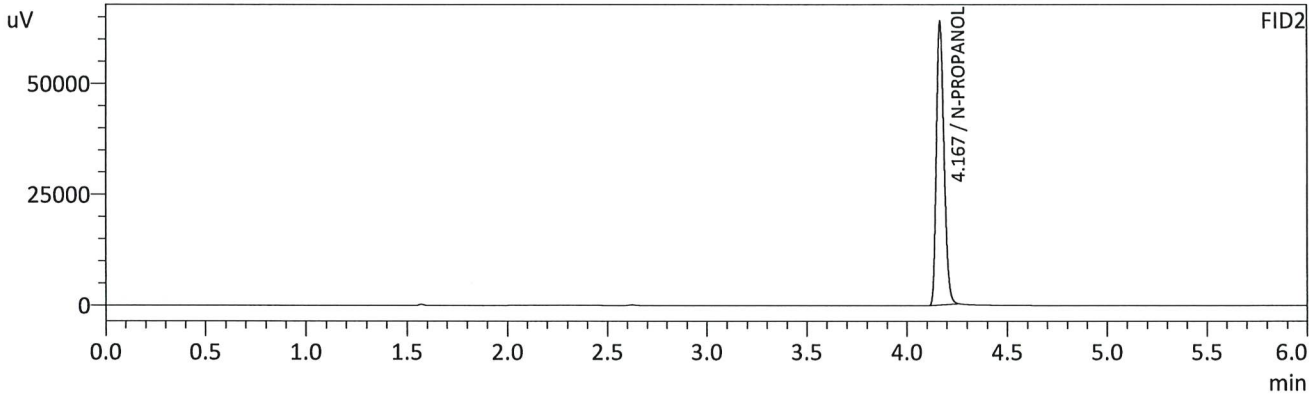
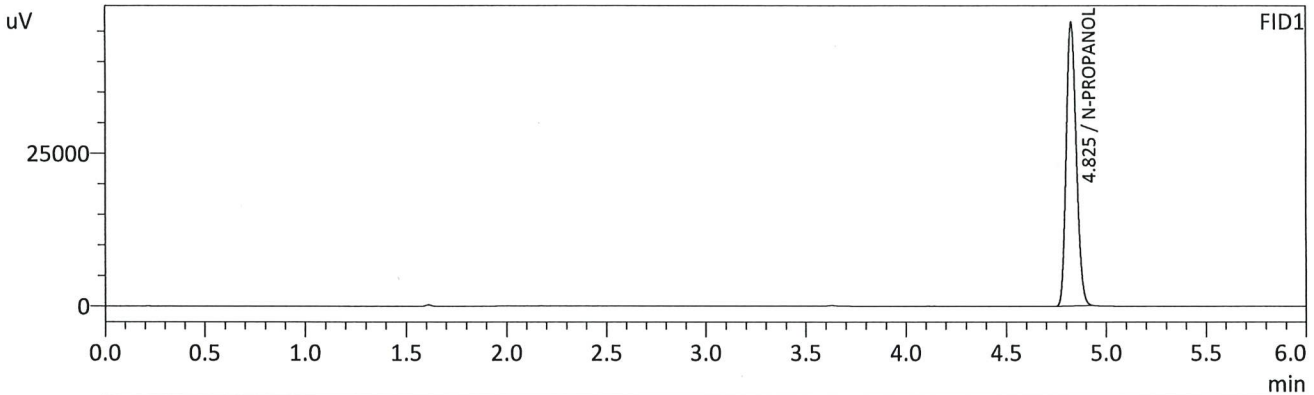
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0797	g/100cc	27661	11607
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167898	47737
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	28326	13904
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173832	65324
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3  
 Vial # : 50  
 Data Filename : INT STD BLK 3\_7222023\_050.gcd  
 Method Filename : ALCOHOL\_072123\_RC.gcm  
 Batch Filename : BATCH\_072223\_RC.gcb  
 Date Acquired : 7/22/2023 6:10:08 PM  
 Date Processed : 7/22/2023 6:16:09 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_072123\_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	163389	46317
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	169397	63689
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JAC*

# Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_072123_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_072123_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL_072123_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_072123_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_072123_RC.gcm		0
8	P2023-2026-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
9	P2023-2026-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
10	P2023-2029-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
11	P2023-2029-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
12	P2023-2048-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
13	P2023-2048-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
14	P2023-2049-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
15	P2023-2049-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
16	P2023-2055-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
17	P2023-2055-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
18	P2023-2056-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
19	P2023-2056-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
20	P2023-2067-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
21	P2023-2067-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
22	P2023-2068-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
23	P2023-2068-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
24	P2023-2076-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
25	P2023-2076-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
28	P2023-2087-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
29	P2023-2087-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
30	P2023-2088-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
31	P2023-2088-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
32	P2023-2089-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
33	P2023-2089-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
34	P2023-2090-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
35	P2023-2090-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
36	P2023-2091-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
37	P2023-2091-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
38	P2023-2092-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
39	P2023-2092-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
40	P2023-2109-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
41	P2023-2109-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
42	P2023-2123-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
43	P2023-2123-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
44	P2023-2131-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
45	P2023-2131-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
46	P2023-2134-1	0:Unknown	ALCOHOL_072123_RC.gcm		0
47	P2023-2134-1-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_072123_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_072123_RC.gcm		0
50	INT STD BLK 3	0:Unknown	ALCOHOL_072123_RC.gcm		0