

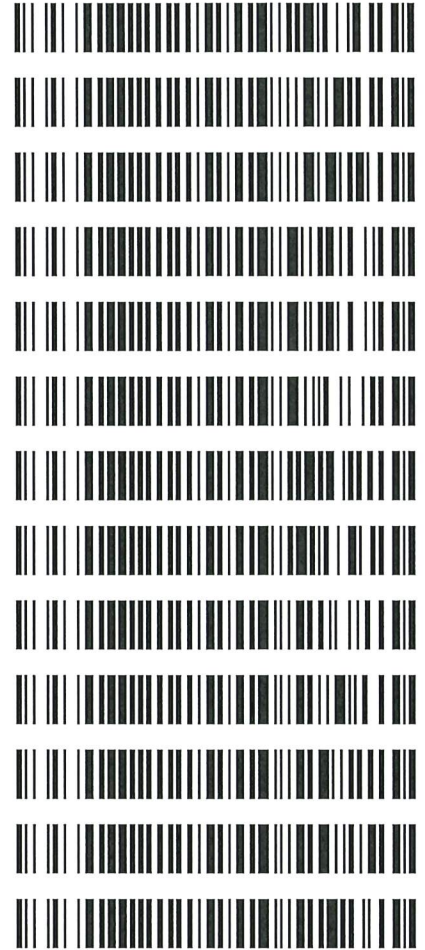
**REVIEWED**

**By Galina Giso at 2:14 pm, Dec 07, 2023**

12/5/2023

**Worklist: 6591**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-3165	5	BCK	Alcohol Analysis
P2023-3506	1	BCK	Alcohol Analysis
P2023-3507	1	BCK	Alcohol Analysis
P2023-3514	1	BCK	Alcohol Analysis
P2023-3524	1	BCK	Alcohol Analysis
P2023-3532	1	BCK	Alcohol Analysis
P2023-3545	1	BCK	Alcohol Analysis
P2023-3555	1	BLOOD	Alcohol Analysis
P2023-3566	1	BCK	Alcohol Analysis
P2023-3568	1	BCK	Alcohol Analysis
P2023-3570	1	BCK	Alcohol Analysis
P2023-3571	1	BCK	Alcohol Analysis
P2023-3572	1	BCK	Alcohol Analysis



**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): 12/6/23**

**Calibration Date: (if different) : 11/30/23**

**Worklist #: 6591**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0791 g/100cc
					g/100cc
					0.2068 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2127 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	0.99997	Column 2	0.99986

**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	0.0522	0.0015	0.0514
100	0.100	0.090 - 0.110	0.1003	0.1001	0.0002	0.1002
200	0.200	0.180 - 0.220	0.1992	0.1977	0.0015	0.1984
300	0.300	0.270 - 0.330	0.2988	0.2980	0.0008	0.2984
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5018	0.001	0.5013

**Aqueous Controls**

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

**REVIEWED**

**By Galina Giso at 2:14 pm, Dec 07, 2023**

**Internal Standard Monitoring Worksheet**

Worksheet #: **6591** Run Date(s): **12/6/23**

Internal Standard Solution: \_\_\_\_\_ Prep Date: **11/9/2023** Exp Date: **5/9/2024**

Sample Name	Column 1 Value	Column 2 Value
0.080	176092	176162
0.080	175447	175560
QC1	173517	171927
QC1	176274	176854
QC1		
QC1		
QC1		
QC1		
QC2	173196	174515
QC2	171345	172052
QC2	175723	176141
QC2	176683	176917
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	174784.6	139827.7	209741.6
Column 2	175016.0	140012.8	210019.2



Revision: 5

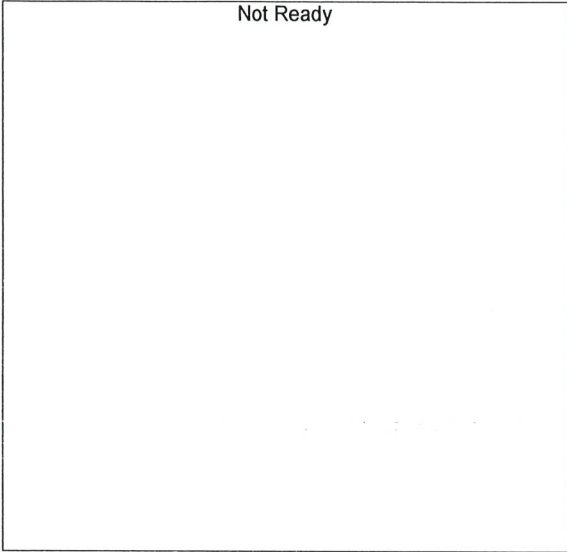
Issue Date: 07/05/2022

Issuing Authority: Quality Manager

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

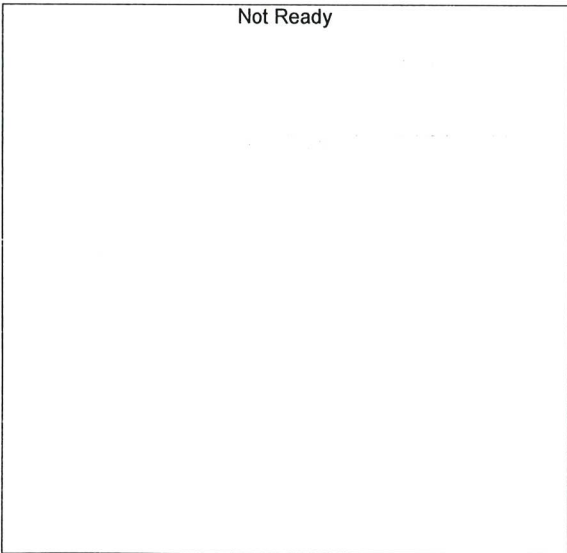
Laboratory: Pocatello  
Instrument Name : G1KG333-Instrument1

<<Data File>>  
Method File :Default Project - ALCOHOL\_113023\_RC.gcm  
Batch File :Default Project - BATCH\_113023\_RC.gcb  
Date Acquired :11/30/2023 4:42:34 PM  
Date Created :11/30/2023 4:39:06 PM  
Date Modified :12/1/2023 8:15:47 AM



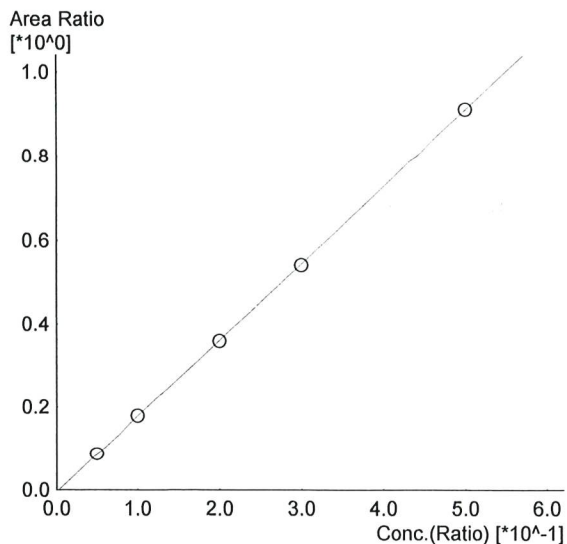
Name : METHANOL  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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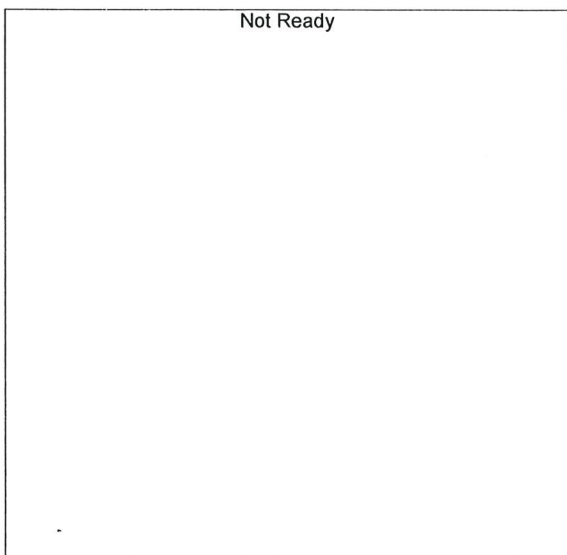
Name : ACETALDEHYDE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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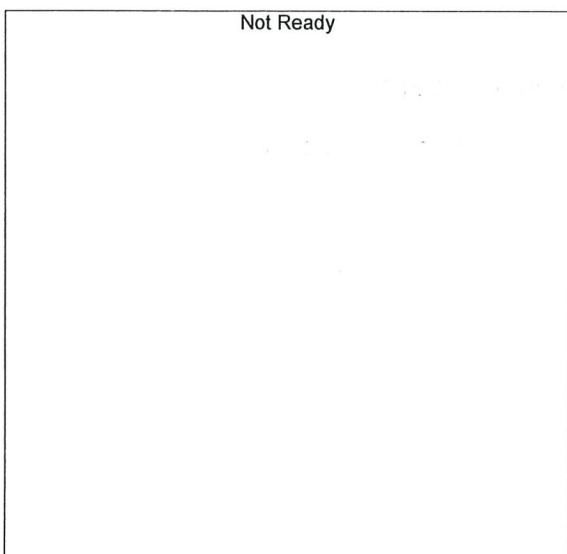
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=1.82658*x-0.00459591$   
 $R^2$  value= 0.9999727 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14988	0.0507	0.050_11302023_001.gcd
2	0.100	30939	0.1003	0.100_11302023_002.gcd
3	0.200	62777	0.1992	0.200_11302023_003.gcd
4	0.300	94793	0.2988	0.300_11302023_004.gcd
5	0.500	160509	0.5008	0.500_11302023_005.gcd



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

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

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

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

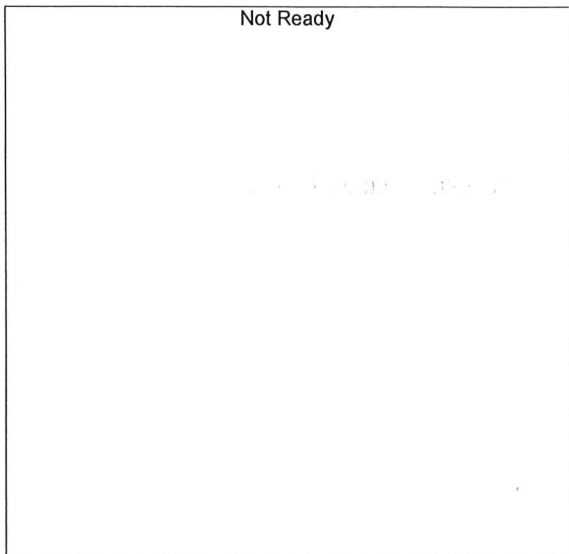
Name : TFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

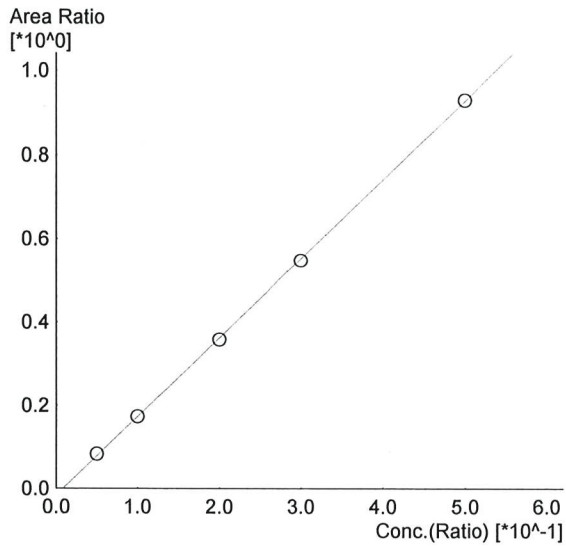
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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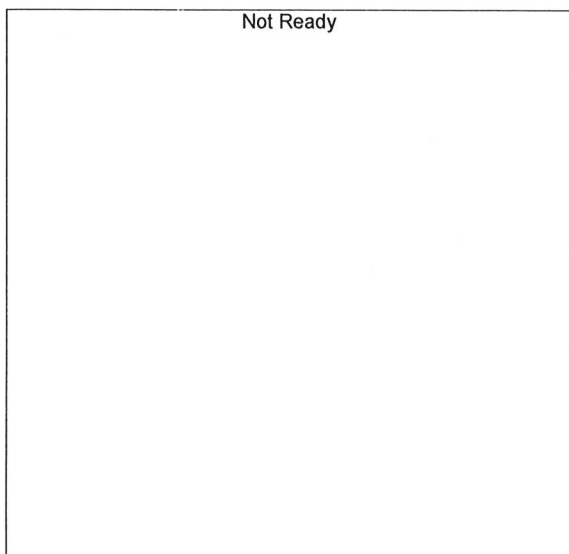
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=1.88761*x-0.0158857$   
 R<sup>2</sup> value= 0.9998674 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	13885	0.0522	0.050_11302023_001.gcd
2	0.100	29725	0.1001	0.100_11302023_002.gcd
3	0.200	62077	0.1977	0.200_11302023_003.gcd
4	0.300	95232	0.2980	0.300_11302023_004.gcd
5	0.500	163506	0.5018	0.500_11302023_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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*AC*

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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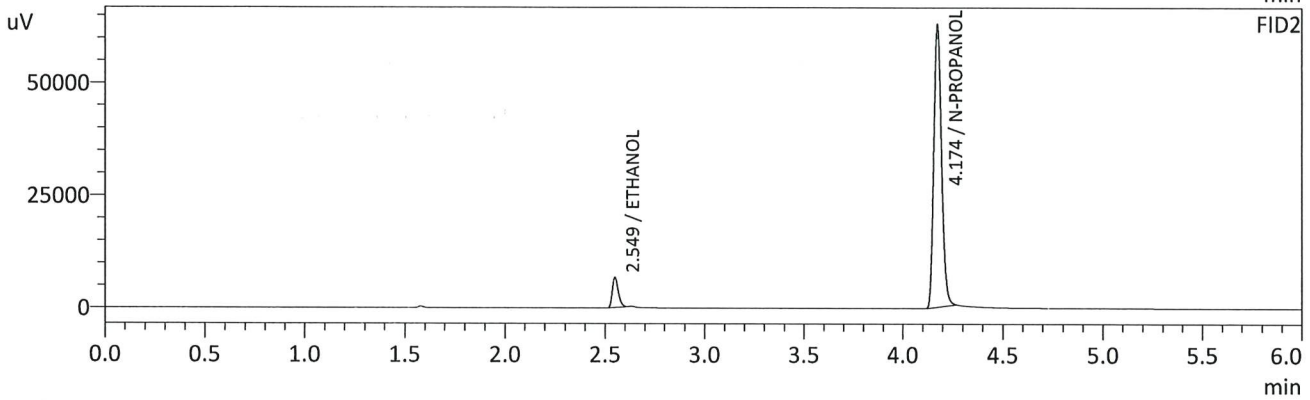
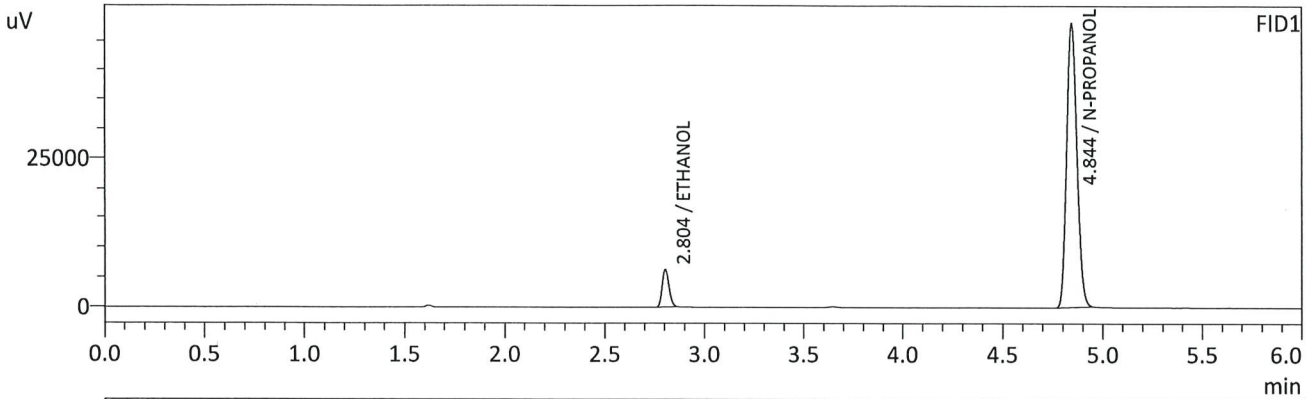
Not Ready

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\_11302023\_001.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_113023\_RC.gcb  
 Date Acquired : 11/30/2023 4:04:26 PM  
 Date Processed : 12/1/2023 8:15:32 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

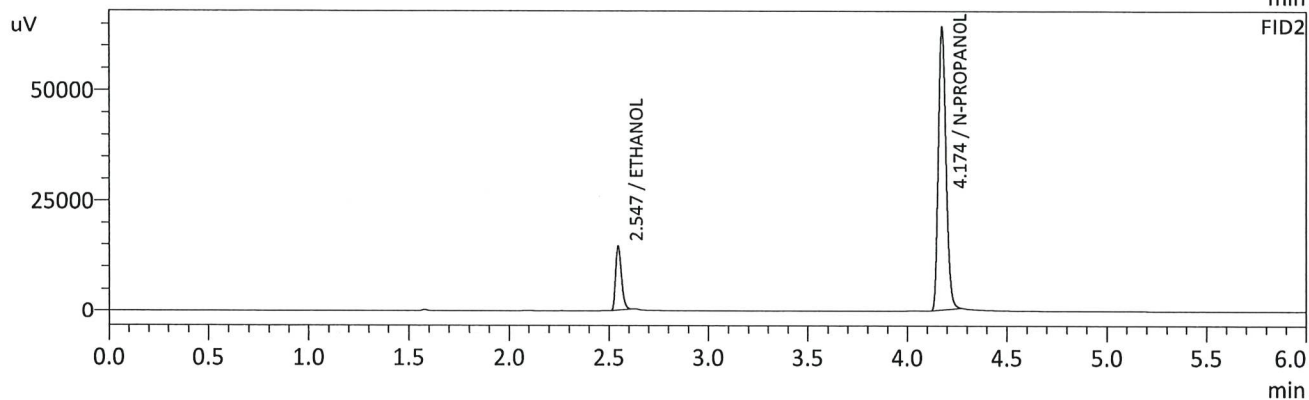
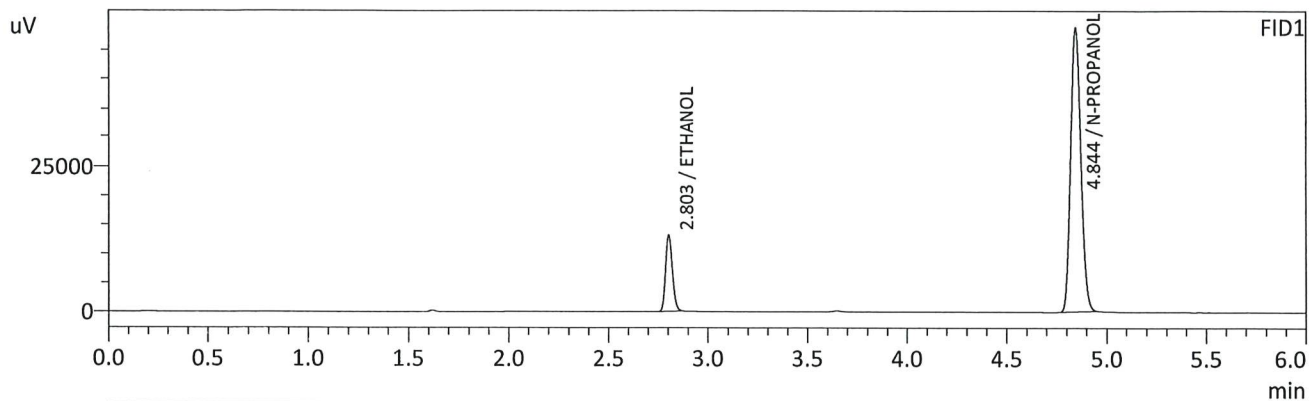
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0507	g/100cc	14988	6302
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170171	47971
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0522	g/100cc	13885	6644
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167966	62736
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_11302023\_002.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_113023\_RC.gcb  
 Date Acquired : 11/30/2023 4:13:57 PM  
 Date Processed : 12/1/2023 8:15:36 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

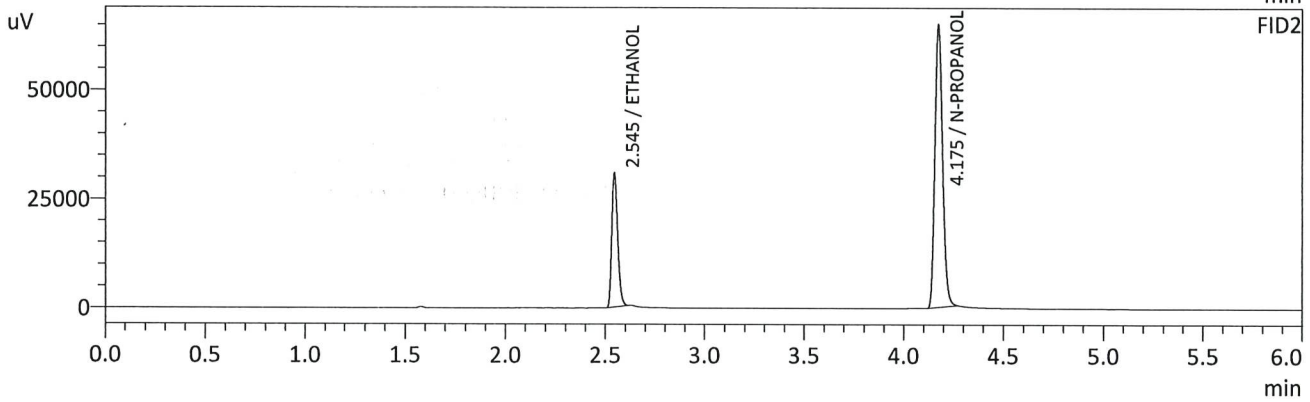
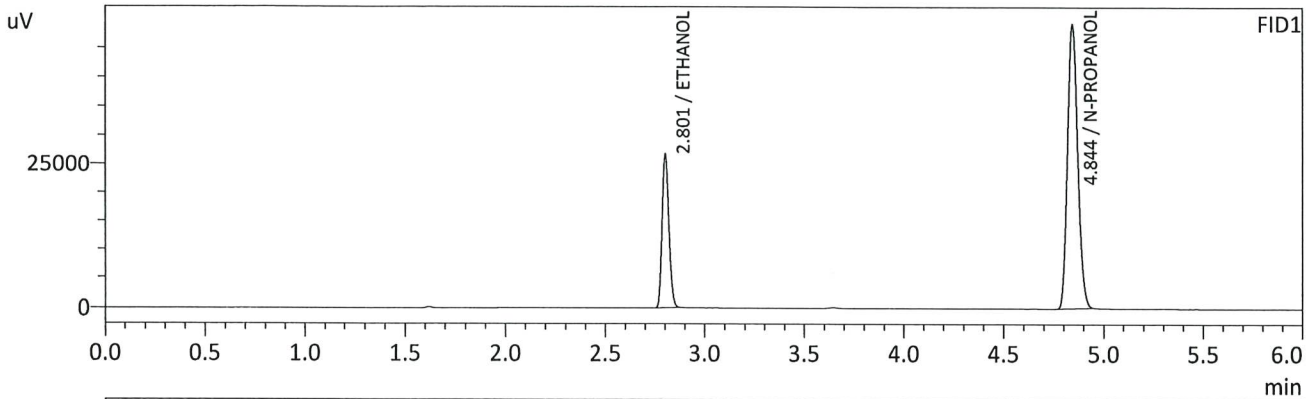
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	30939	13131
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173116	48741
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	29725	14512
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171657	63981
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_11302023\_003.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_113023\_RC.gcb  
 Date Acquired : 11/30/2023 4:23:17 PM  
 Date Processed : 12/1/2023 8:15:40 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

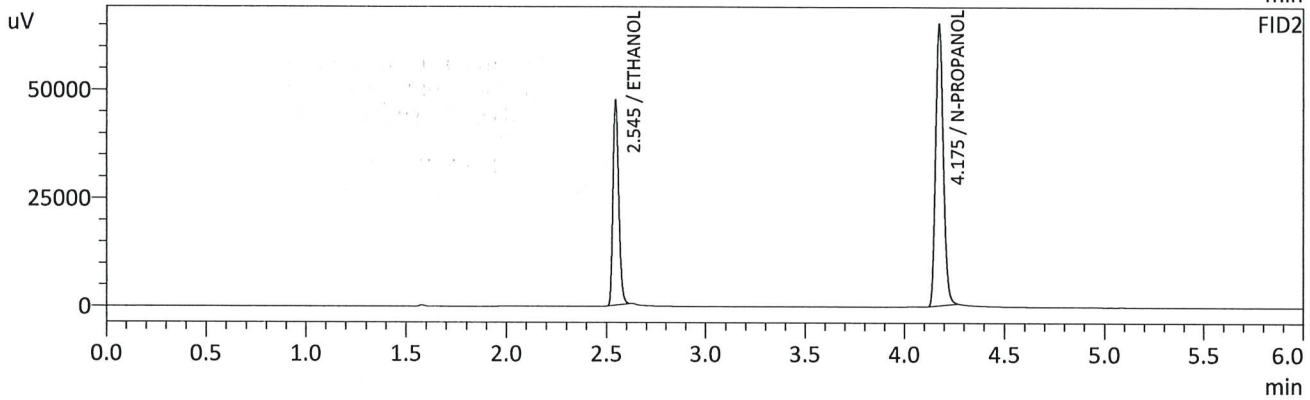
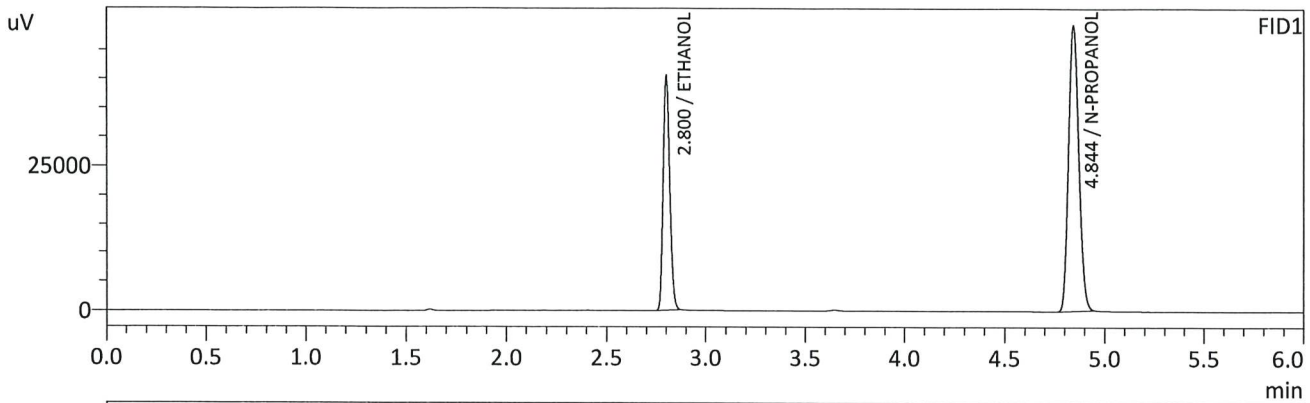
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	62777	26554
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174732	49346
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1977	g/100cc	62077	30640
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173653	64862
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*WAC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_11302023\_004.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_113023\_RC.gcb  
 Date Acquired : 11/30/2023 4:33:04 PM  
 Date Processed : 12/1/2023 8:15:44 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

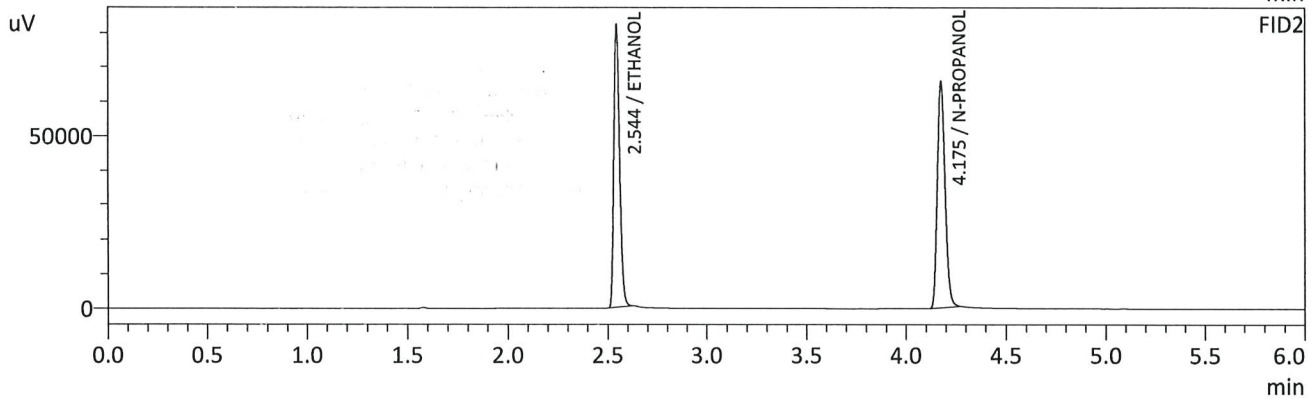
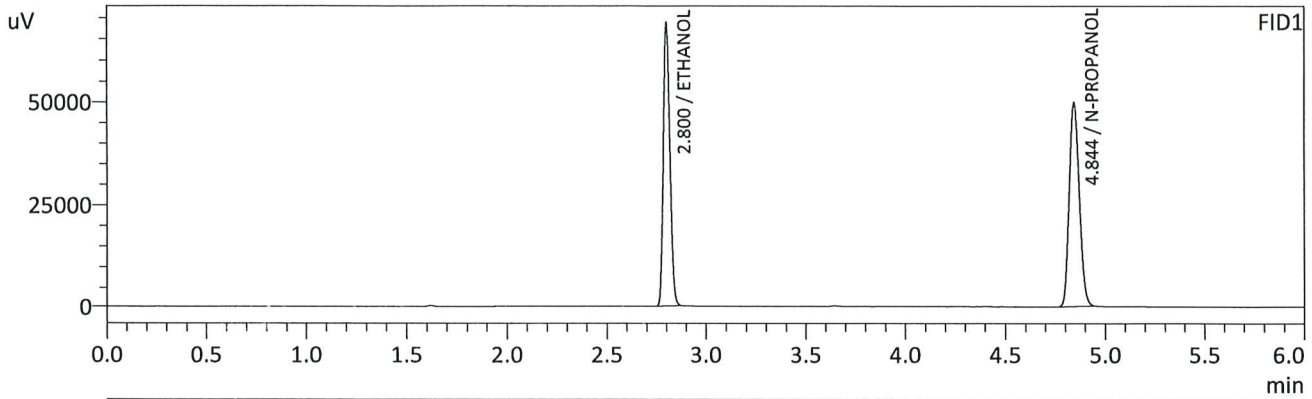
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2988	g/100cc	94793	39958
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175152	49260
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2980	g/100cc	95232	47028
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174204	64997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_11302023\_005.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_113023\_RC.gcb  
 Date Acquired : 11/30/2023 4:42:34 PM  
 Date Processed : 12/1/2023 8:15:47 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

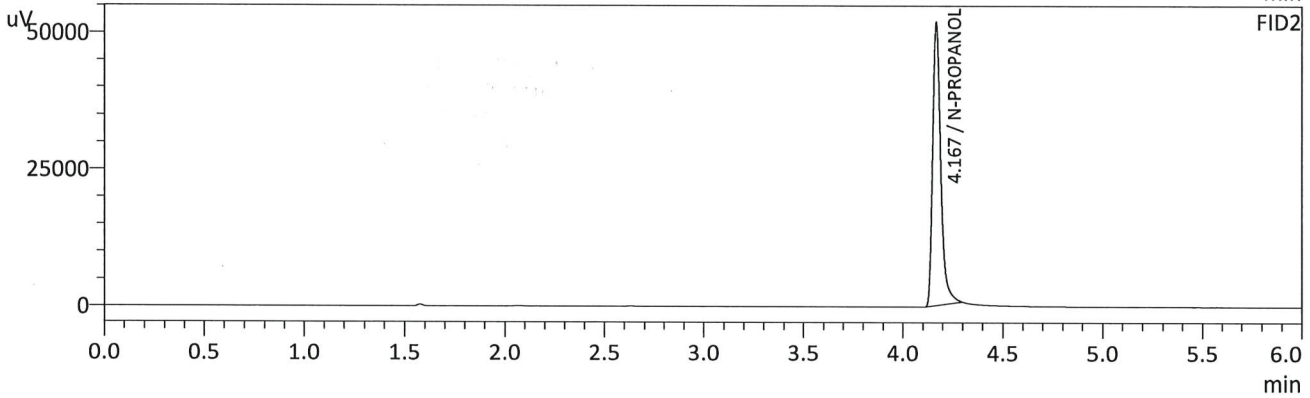
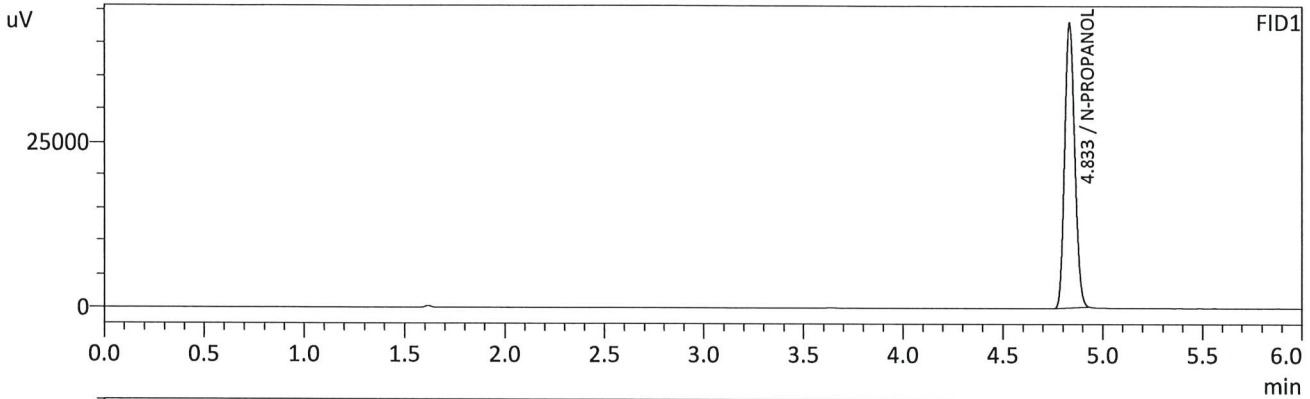
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5008	g/100cc	160509	68175
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176323	49605
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5018	g/100cc	163506	80993
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175559	65439
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*AC*

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_1262023\_001.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 11:45:27 AM  
 Date Processed : 12/6/2023 11:51:28 AM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



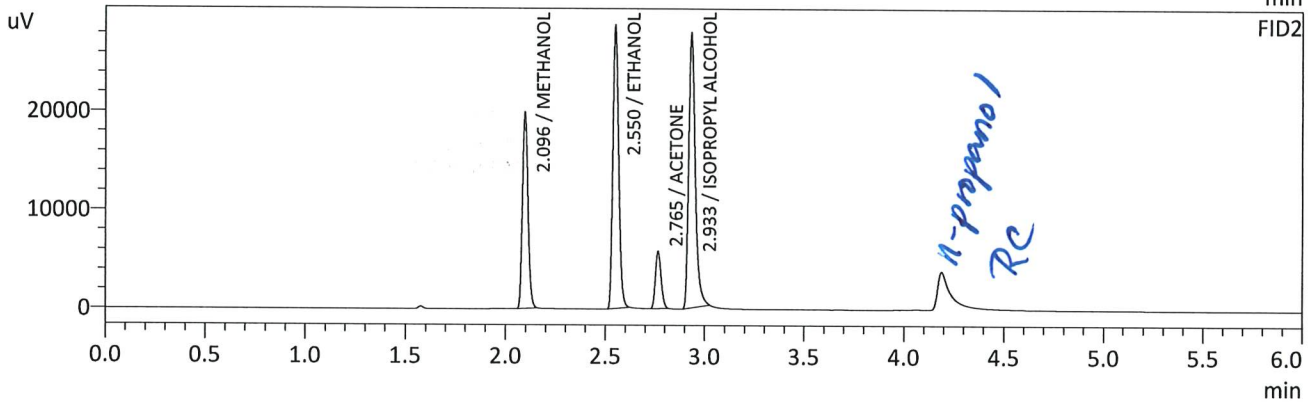
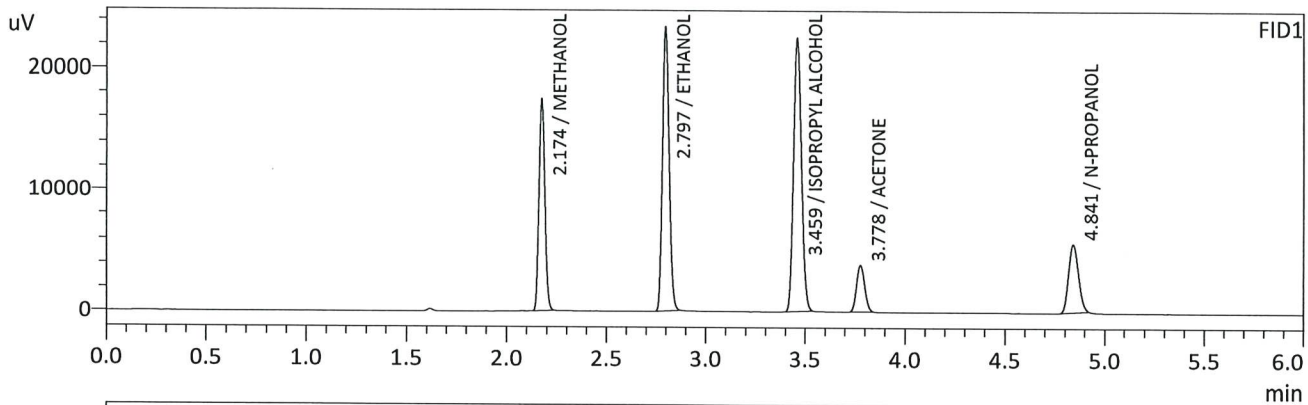
FID1

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	151364	43059
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	147309	51475
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_1262023\_002.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 11:54:56 AM  
 Date Processed : 12/6/2023 12:00:58 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

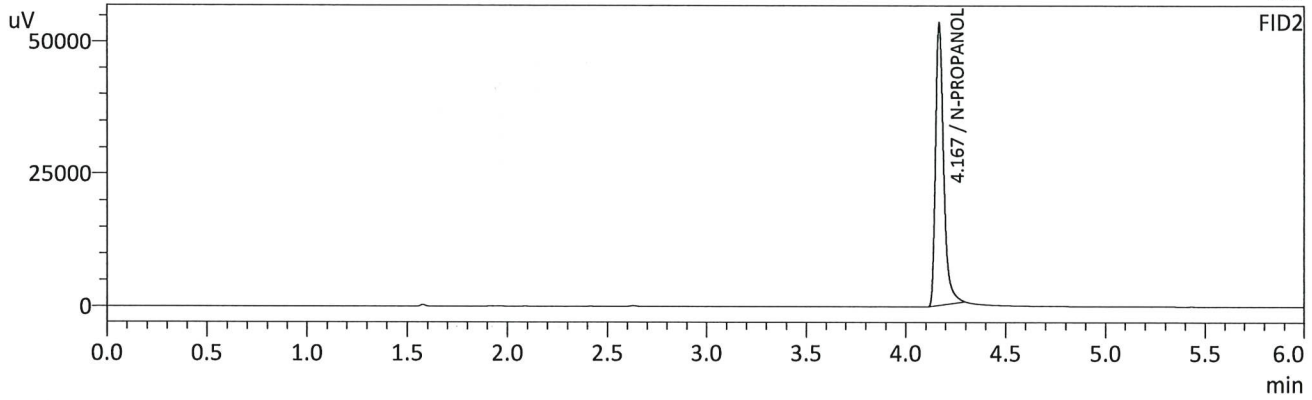
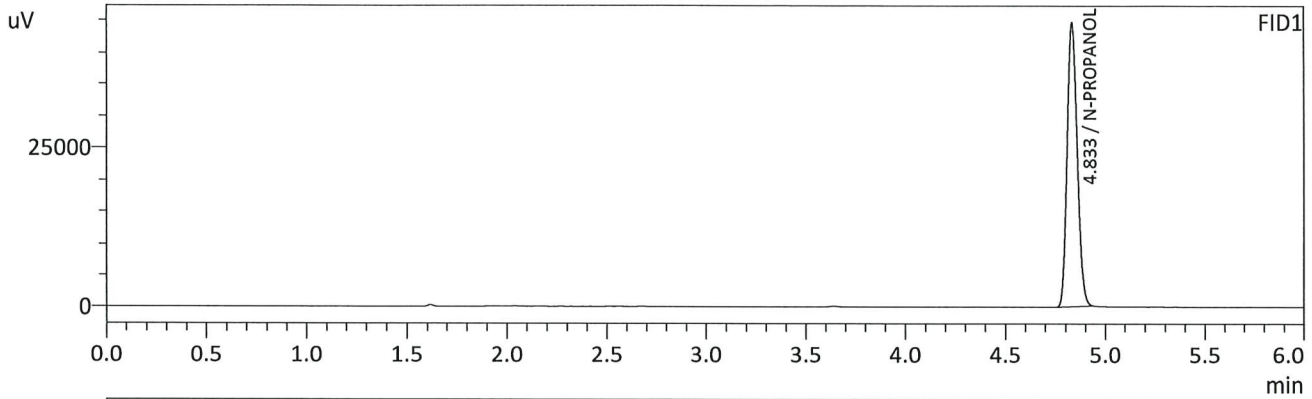
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	36030	17332
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	1.5220	g/100cc	54635	23275
ISOPROPYL ALCOHOL	0.0000	g/100cc	63048	22379
ACETONE	0.0000	g/100cc	10906	3841
N-PROPANOL	0.0000	g/100cc	19684	5654
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	37952	19573
ETHANOL	0.0000	g/100cc	57403	28536
ACETONE	0.0000	g/100cc	11682	5807
ISOPROPYL ALCOHOL	0.0000	g/100cc	63924	27843
N-PROPANOL	--	g/100cc	--	--
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_1262023\_003.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 12:04:17 PM  
 Date Processed : 12/6/2023 12:10:19 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_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	156401	44580
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	151966	53210
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC1-1

Item # 1

Analysis Date(s): 12/06/2023

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0815	0.0799	0.0016	0.0807	0.0032	0.0791
(g/100cc)	0.0804	0.0747	0.0057	0.0775		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: ALCOHOL\_113023\_RC.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	<b>Reported Result</b>	<b>Notes:</b>
	0.079	

*Calibration and control data are stored centrally.*

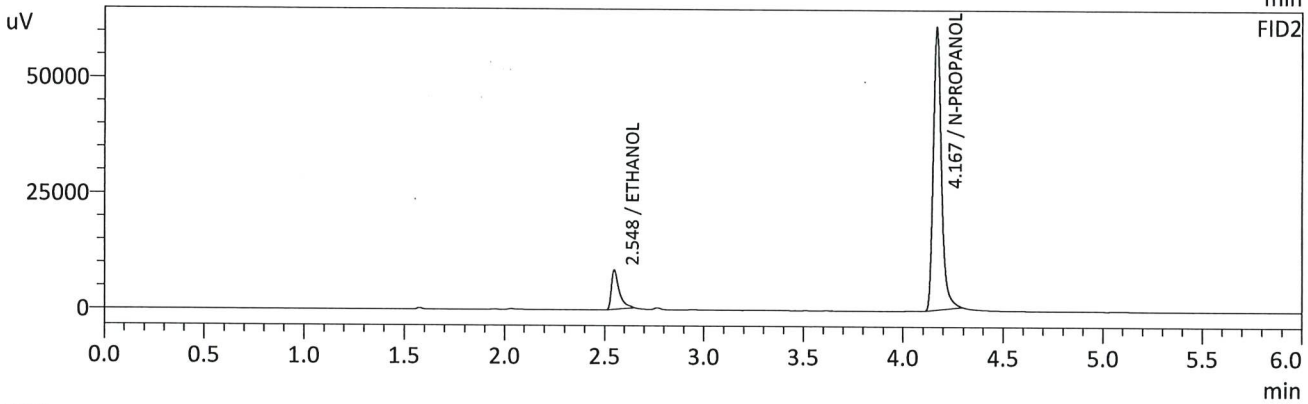
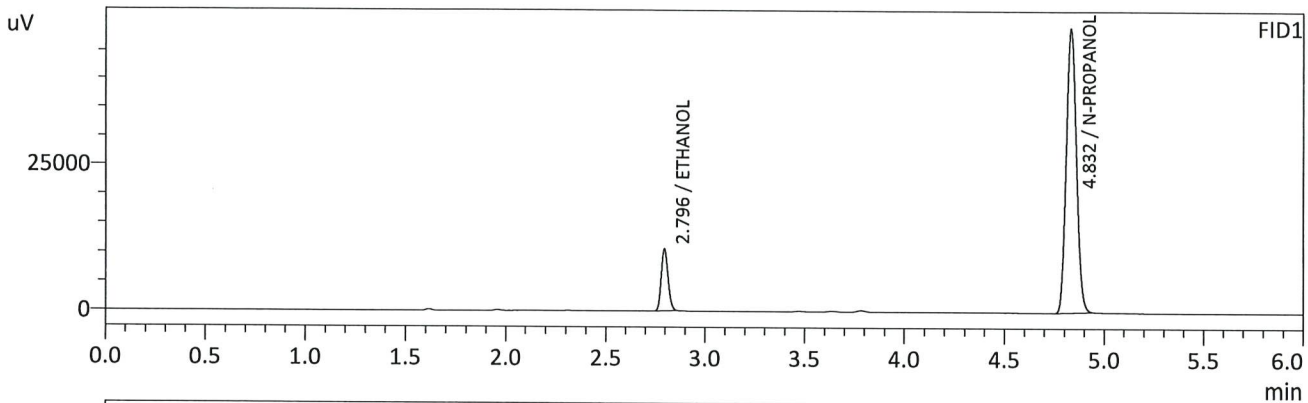


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_1262023\_004.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 12:14:02 PM  
 Date Processed : 12/6/2023 12:20:03 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

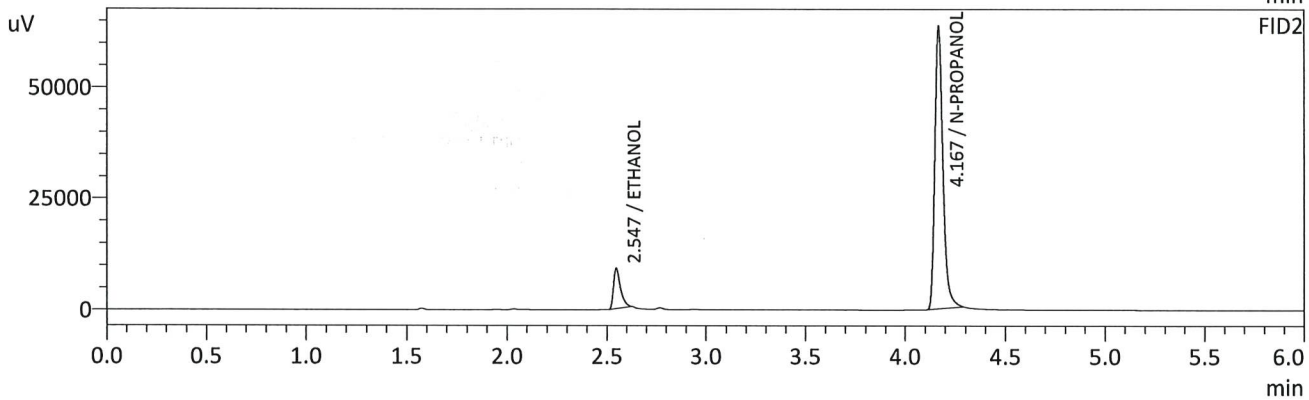
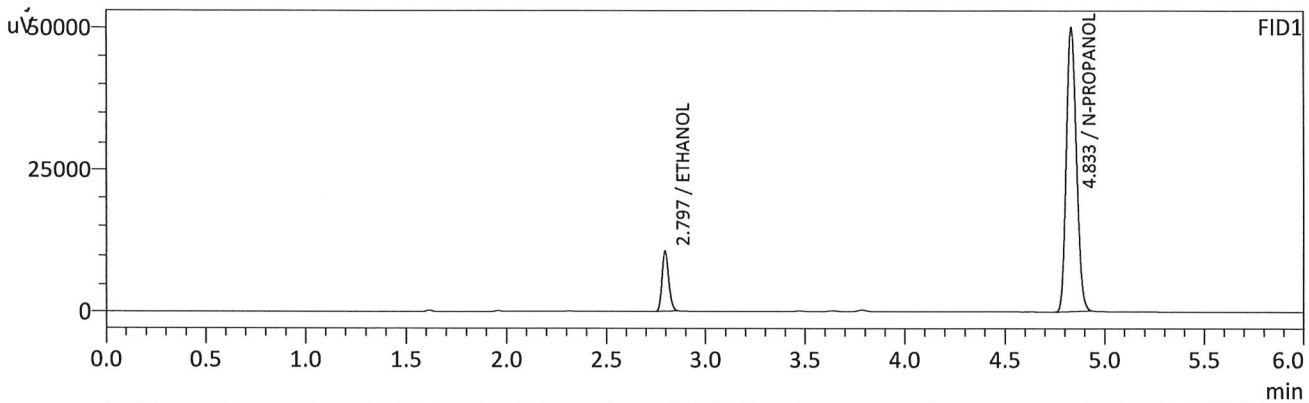
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	25036	10555
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173517	49267
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	23217	8393
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171927	60901
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_1262023\_005.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 12:23:34 PM  
 Date Processed : 12/6/2023 12:29:35 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	25080	10597
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176274	49985
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	22148	9036
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176854	63365
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA

Item #

Analysis Date(s): 12/06/2023

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0806	0.0758	0.0048	0.0782	0.0002	0.0783
(g/100cc)	0.0806	0.0762	0.0044	0.0784		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: ALCOHOL\_113023\_RC.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	<b>Reported Result</b>	<b>Notes:</b>
	0.078	

*Calibration and control data are stored centrally.*

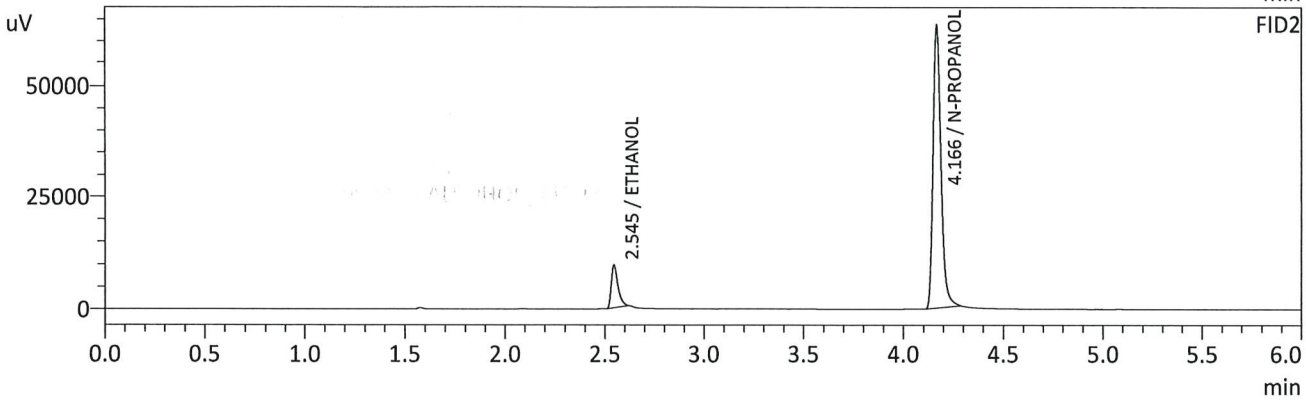
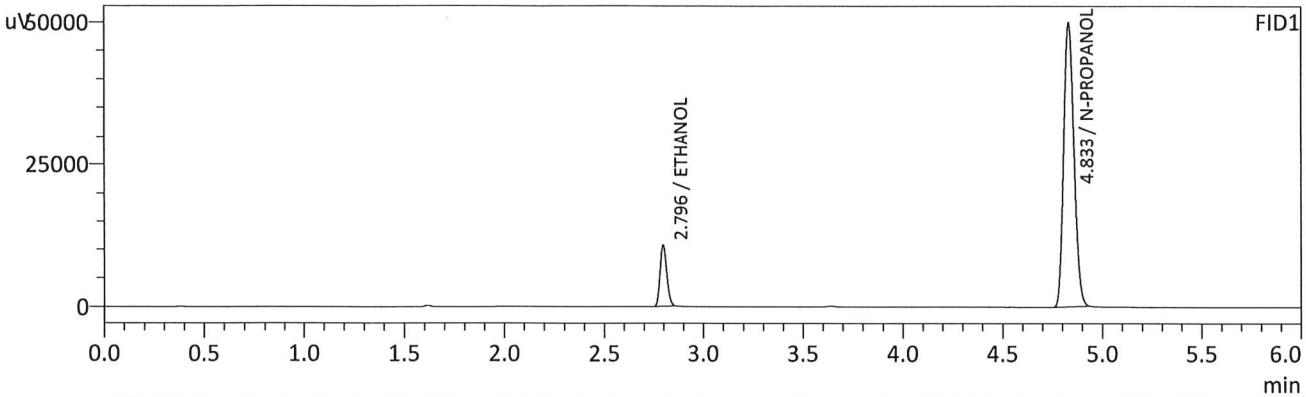


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : 0.08 QA  
 Vial # : 6  
 Data Filename : 0.08 QA\_1262023\_006.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 12:32:50 PM  
 Date Processed : 12/6/2023 12:38:52 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

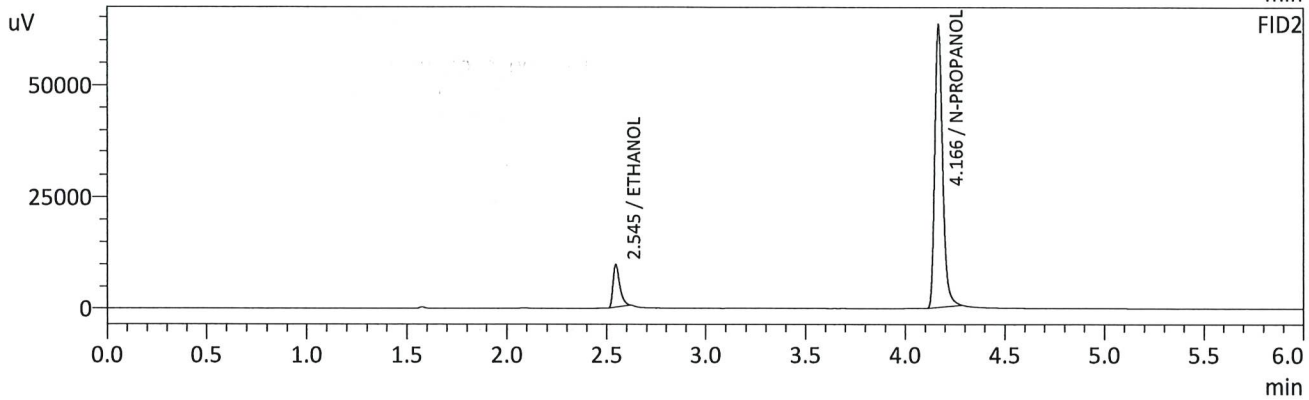
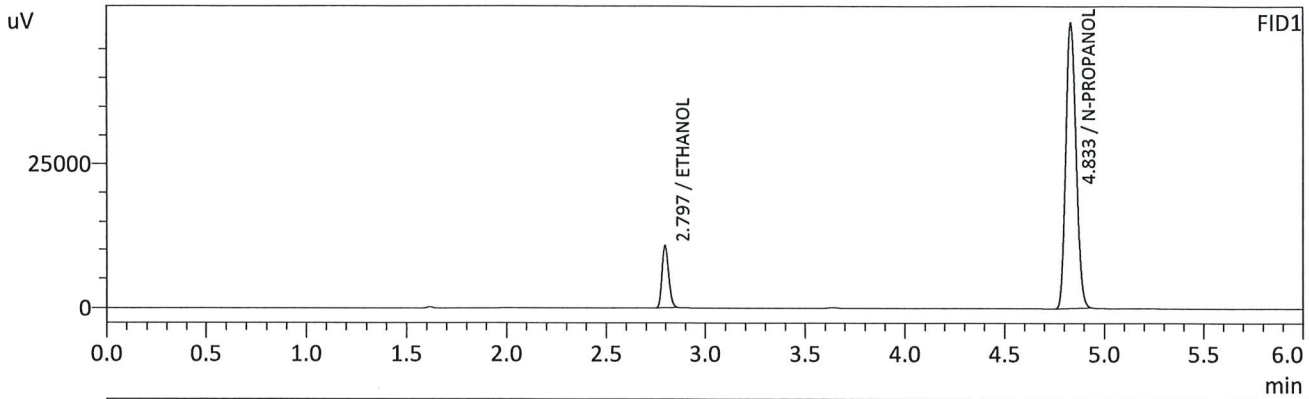
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25122	10601
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176092	49909
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0758	g/100cc	22433	9584
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176162	63320
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_1262023\_007.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 12:42:35 PM  
 Date Processed : 12/6/2023 12:48:37 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25047	10568
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175447	49615
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0762	g/100cc	22489	9666
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175560	63050
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JAC*

## VOLATILES BAC CASEFILE WORKSHEET

**Laboratory No.:** QC2-1

**Item #**

**Analysis Date(s):** 12/06/2023

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2032	0.2070	0.0038	0.2051	0.0034	0.2068
(g/100cc)	0.2056	0.2115	0.0059	0.2085		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: ALCOHOL\_113023\_RC.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	0.195	0.217	0.011

	<p><b>Reported Result</b></p> <hr style="border-top: 2px dashed black;"/> <p style="text-align: center;">0.206</p>	<p><b>Notes:</b></p>
--	--	----------------------

*Calibration and control data are stored centrally.*

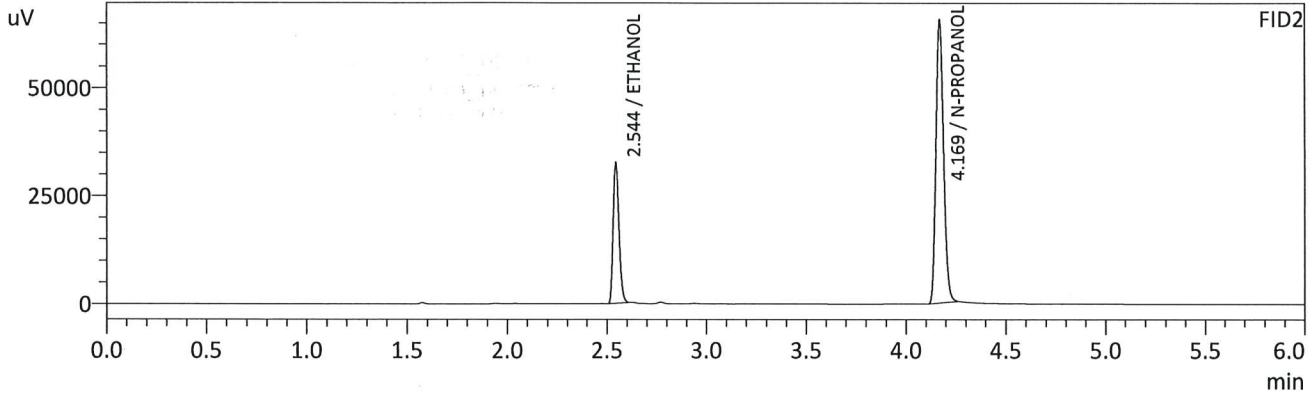
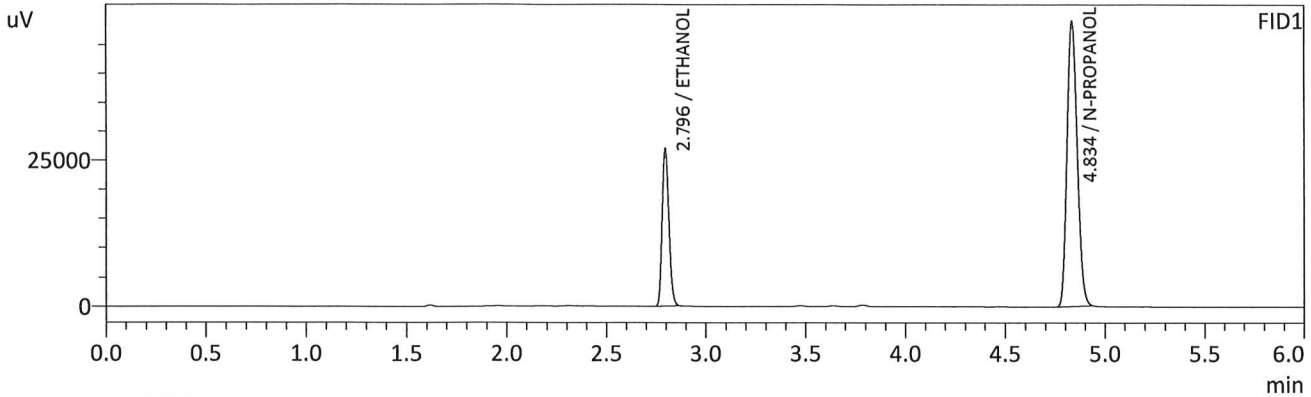


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC2-1-A  
 Vial # : 26  
 Data Filename : QC2-1-A\_1262023\_026.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 3:43:31 PM  
 Date Processed : 12/6/2023 3:49:33 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2032	g/100cc	63491	26733
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173196	48938
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

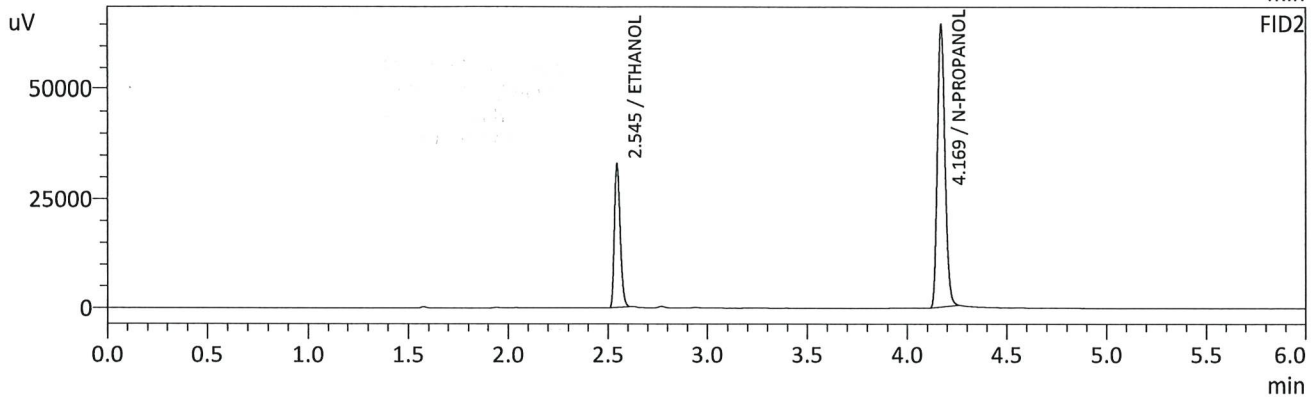
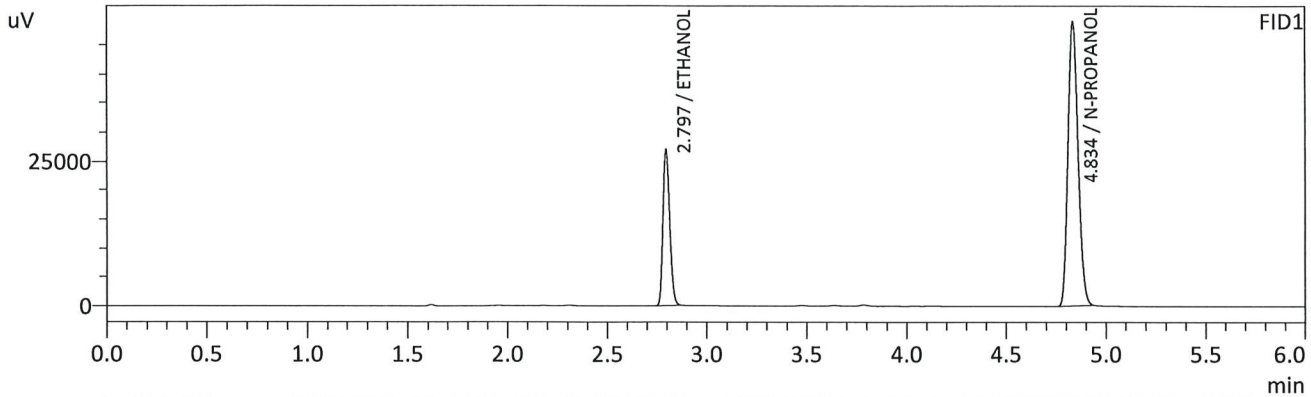
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2070	g/100cc	65437	32185
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174515	65377
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC



Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_1262023\_027.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 3:52:49 PM  
 Date Processed : 12/6/2023 3:58:50 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2056	g/100cc	63574	26868
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171345	48662
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2115	g/100cc	65960	32843
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172052	64670
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC2-2

Item #

Analysis Date(s): 12/06/2023

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2085	0.2150	0.0065	0.2117	0.0020	0.2127
(g/100cc)	0.2101	0.2174	0.0073	0.2137		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: ALCOHOL\_113023\_RC.gcm

**Reporting of Results**

**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

	<b>Reported Result</b>	<b>Notes:</b>
	0.212	

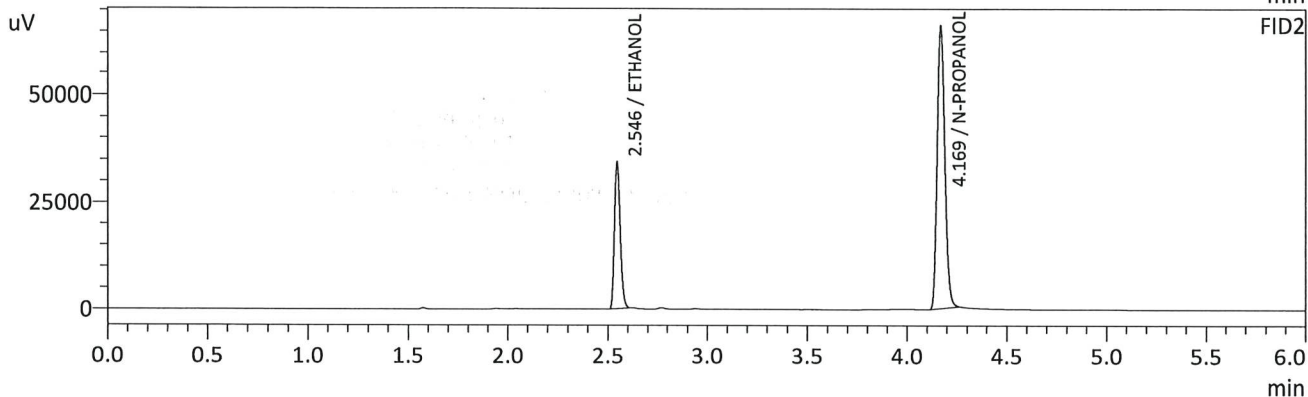
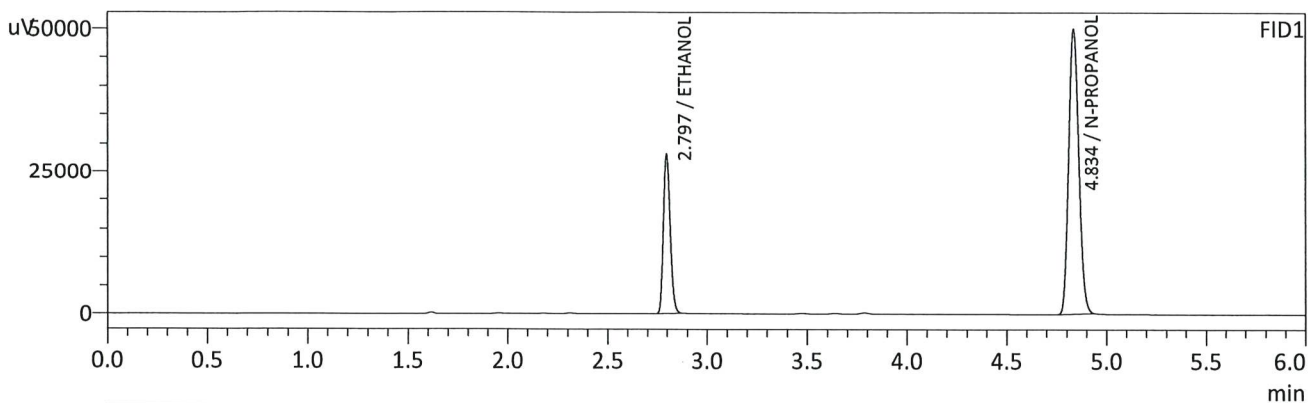
*Calibration and control data are stored centrally.*

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC2-2  
 Vial # : 36  
 Data Filename : QC2-2\_1262023\_036.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 5:18:30 PM  
 Date Processed : 12/6/2023 5:24:31 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

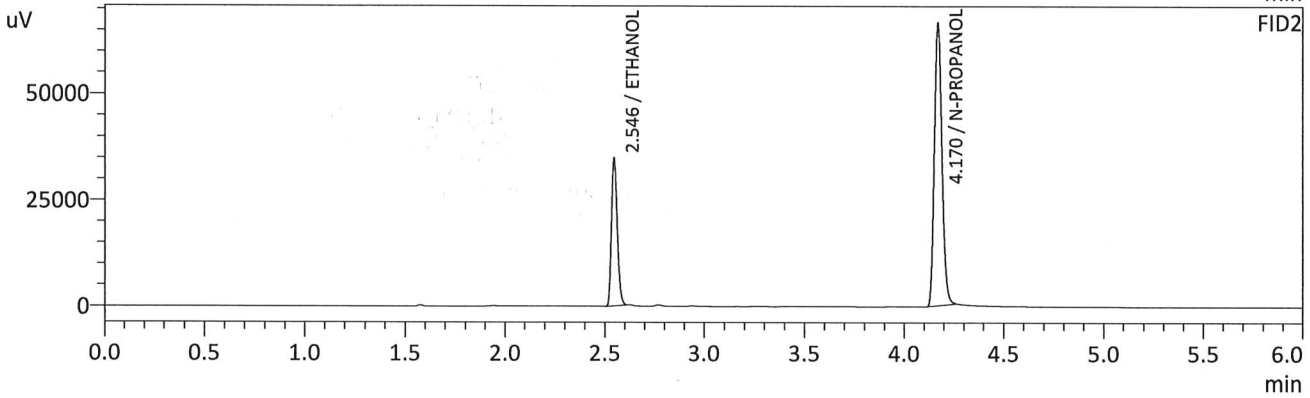
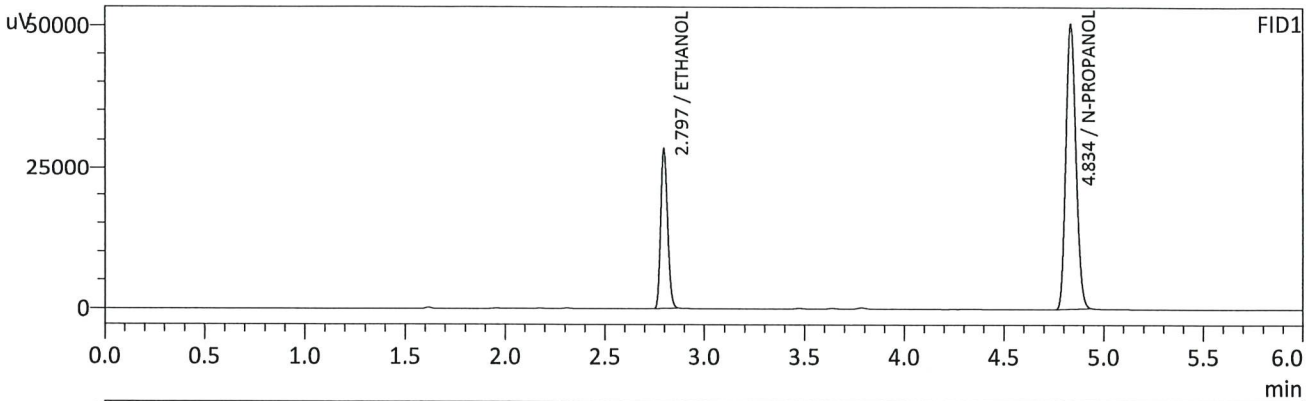
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2085	g/100cc	66122	27926
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175723	49838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2150	g/100cc	68706	34237
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176141	65920
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-2-B  
 Vial # : 37  
 Data Filename : QC2-2-B\_1262023\_037.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 5:28:19 PM  
 Date Processed : 12/6/2023 5:34:22 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_RC.gcm



FID1

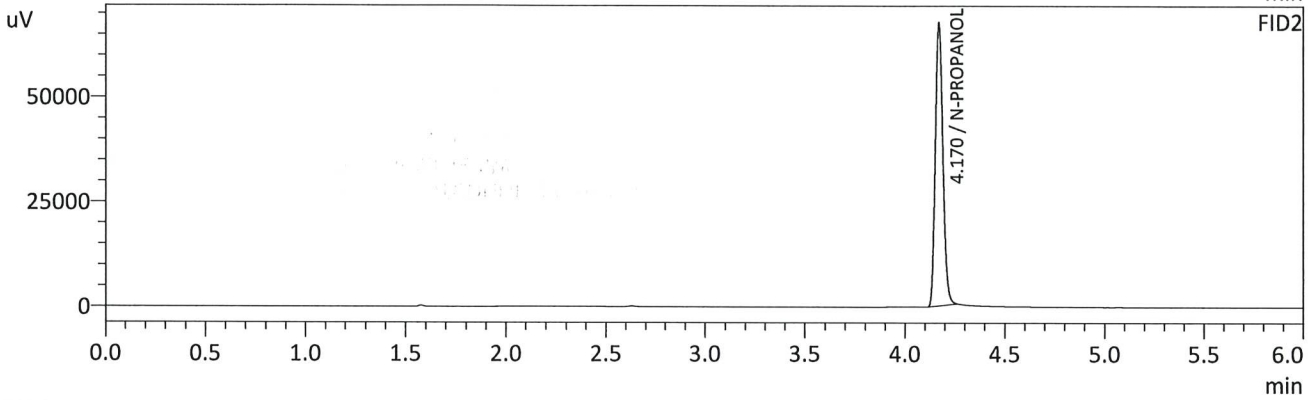
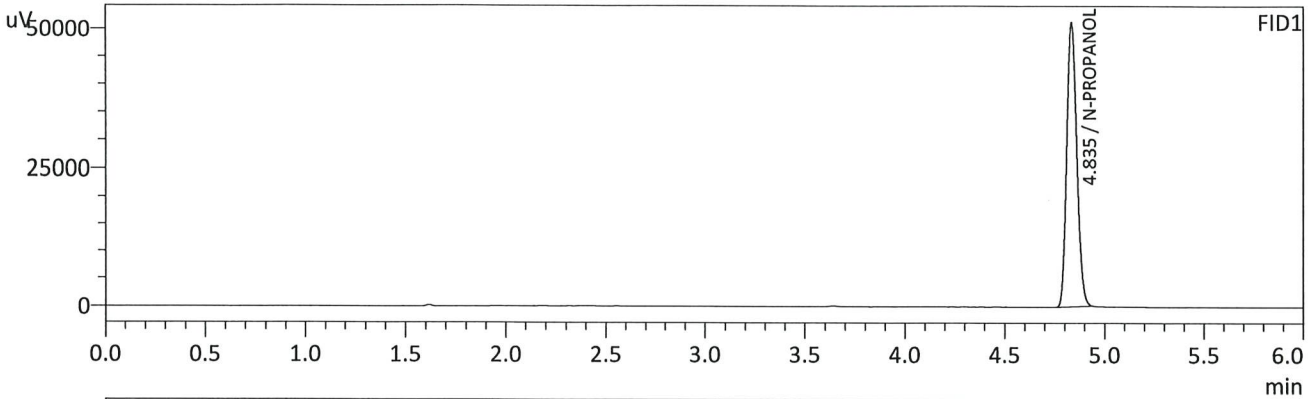
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2101	g/100cc	66993	28319
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176683	50157
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2174	g/100cc	69801	34736
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176917	66456
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 3  
 Vial # : 38  
 Data Filename : INT STD BLK 3\_1262023\_038.gcd  
 Method Filename : ALCOHOL\_113023\_RC.gcm  
 Batch Filename : BATCH\_12623\_RC.gcb  
 Date Acquired : 12/6/2023 5:37:45 PM  
 Date Processed : 12/6/2023 5:43:46 PM  
 Default Project - G1KG333-Instrument1 - ALCOHOL\_113023\_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	179459	50958
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	179496	67547
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

# 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_113023_RC.gcm	1-1577 - INT STD BLK 1_1262023_001.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_113023_RC.gcm	578 - MULTI-COMP MIX_1262023_002.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL_113023_RC.gcm	1-1579 - INT STD BLK 2_1262023_003.gcd	0
4	QC1-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1580 - QC1-1_1262023_004.gcd	0
5	QC1-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	1-1581 - QC1-1-B_1262023_005.gcd	0
6	0.08 QA	0:Unknown	ALCOHOL_113023_RC.gcm	1-1582 - 0.08 QA_1262023_006.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL_113023_RC.gcm	1-1583 - 0.08 QA - B_1262023_007.gcd	0
8	P2023-3165-5	0:Unknown	ALCOHOL_113023_RC.gcm	1-1584 - P2023-3165-5_1262023_008.gcd	0
9	P2023-3165-5-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1585 - P2023-3165-5-B_1262023_009.gcd	0
10	P2023-3506-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1586 - P2023-3506-1_1262023_010.gcd	0
11	P2023-3506-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1587 - P2023-3506-1-B_1262023_011.gcd	0
12	P2023-3507-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1588 - P2023-3507-1_1262023_012.gcd	0
13	P2023-3507-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1589 - P2023-3507-1-B_1262023_013.gcd	0
14	P2023-3514-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1590 - P2023-3514-1_1262023_014.gcd	0
15	P2023-3514-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1591 - P2023-3514-1-B_1262023_015.gcd	0
16	P2023-3524-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1592 - P2023-3524-1_1262023_016.gcd	0
17	P2023-3524-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1593 - P2023-3524-1-B_1262023_017.gcd	0
18	P2023-3532-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1594 - P2023-3532-1_1262023_018.gcd	0
19	P2023-3532-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1595 - P2023-3532-1-B_1262023_019.gcd	0
20	P2023-3545-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1596 - P2023-3545-1_1262023_020.gcd	0
21	P2023-3545-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1597 - P2023-3545-1-B_1262023_021.gcd	0
22	P2023-3555	0:Unknown	ALCOHOL_113023_RC.gcm	1-1598 - P2023-3555_1262023_022.gcd	0
23	P2023-3555-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1599 - P2023-3555-1-B_1262023_023.gcd	0
24	P2023-3566-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1600 - P2023-3566-1_1262023_024.gcd	0
25	P2023-3566-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1601 - P2023-3566-1-B_1262023_025.gcd	0
26	QC2-1-A	0:Unknown	ALCOHOL_113023_RC.gcm	1-1602 - QC2-1-A_1262023_026.gcd	0
27	QC2-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	1-1603 - QC2-1-B_1262023_027.gcd	0
28	P2023-3568-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1604 - P2023-3568-1_1262023_028.gcd	0
29	P2023-3568-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1605 - P2023-3568-1-B_1262023_029.gcd	0
30	P2023-3570-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1606 - P2023-3570-1_1262023_030.gcd	0
31	P2023-3570-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1607 - P2023-3570-1-B_1262023_031.gcd	0
32	P2023-3571-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1608 - P2023-3571-1_1262023_032.gcd	0
33	P2023-3571-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1609 - P2023-3571-1-B_1262023_033.gcd	0
34	P2023-3572-1	0:Unknown	ALCOHOL_113023_RC.gcm	1-1610 - P2023-3572-1_1262023_034.gcd	0
35	P2023-3572-1-B	0:Unknown	ALCOHOL_113023_RC.gcm	-1611 - P2023-3572-1-B_1262023_035.gcd	0
36	QC2-2	0:Unknown	ALCOHOL_113023_RC.gcm	1-1612 - QC2-2_1262023_036.gcd	0
37	QC2-2-B	0:Unknown	ALCOHOL_113023_RC.gcm	1-1613 - QC2-2-B_1262023_037.gcd	0
38	INT STD BLK 3	0:Unknown	ALCOHOL_113023_RC.gcm	1-1614 - INT STD BLK 3_1262023_038.gcd	0