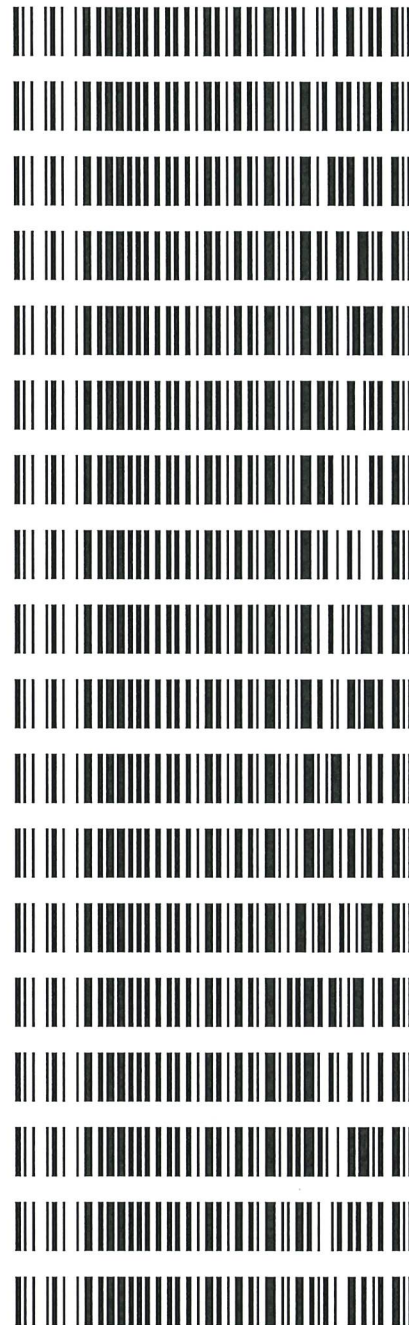


Worklist: 6470

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2334	1	BCK	Alcohol Analysis
P2023-2408	1	BLOOD	Alcohol Analysis
P2023-2410	1	BLOOD	Alcohol Analysis
P2023-2411	1	BLOOD	Alcohol Analysis
P2023-2412	1	BLOOD	Alcohol Analysis
P2023-2415	1	COBCK	Alcohol Analysis
P2023-2415	2	COBCK	Alcohol Analysis
P2023-2418	1	BCK	Alcohol Analysis
P2023-2419	1	BCK	Alcohol Analysis
P2023-2420	1	BCK	Alcohol Analysis
P2023-2450	1	BCK	Alcohol Analysis
P2023-2451	1	BCK	Alcohol Analysis
P2023-2472	2	BCK	Alcohol Analysis
P2023-2486	1	BCK	Alcohol Analysis
P2023-2489	1	BCK	Alcohol Analysis
P2023-2490	1	BCK	Alcohol Analysis
P2023-2521	1	BCK	Alcohol Analysis
P2023-2528	1	BCK	Alcohol Analysis



REVIEWED

By Jeremy Johnston at 9:36 am, Aug 21, 2023

JC
1

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):

08/17/23

Calibration Date: (if different) :

Worklist #:

6470

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0813 g/100cc
					0.0885 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2043 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:			Column 1	0.99998	Column2 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	0.0506	0.0514	0.0008	0.051
100	0.100	0.090 - 0.110	0.1002	0.0998	0.0004	0.1
200	0.200	0.180 - 0.220	0.1987	0.1980	0.0007	0.1983
300	0.300	0.270 - 0.330			0	#DIV/0!
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5003	0.5006	0.0003	0.5004

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 #:	6470	Run Date(s):	08/17/23
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Internal Standard Solution:	Prep Date: 8/16/2023	Exp Date: 2/16/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	135261	137869
0.080	135445	137997
QC1	135932	138606
QC1	137299	140181
QC1	143017	145239
QC1	142446	144659
QC1		
QC1		
QC2	134459	136383
QC2	137200	139437
QC2		
QC2		
QC2		
QC2		

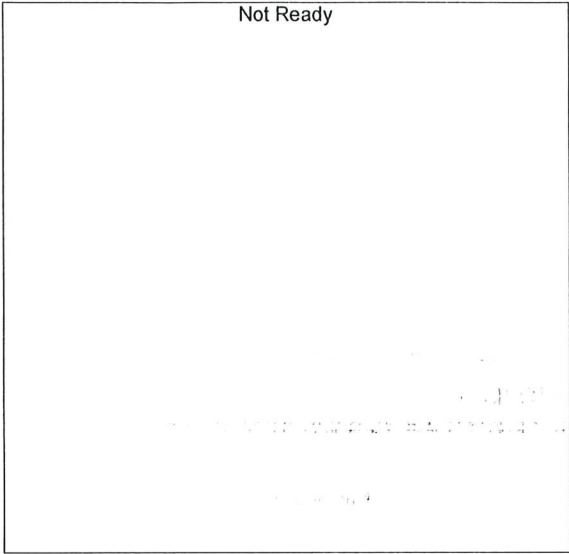
	Average	(-)20%	(+)20%
Column 1	137632.4	110105.9	165158.9
Column 2	140046.4	112037.1	168055.7

HC

Calibration Table

Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

<<Data File>>
 Method File :Default Project - ALCOHOL_081723_RC.gcm
 Batch File :Default Project - BATCH_081723_RC.gcb
 Date Acquired :8/17/2023 11:19:05 AM
 Date Created :8/17/2023 11:15:36 AM
 Date Modified :8/18/2023 10:09:35 AM



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

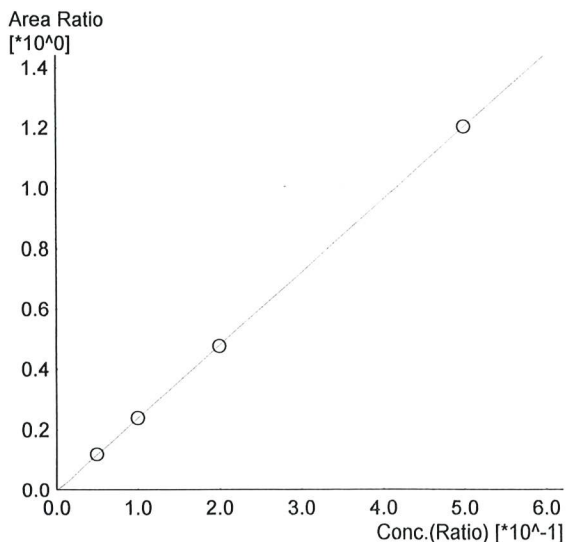
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

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

RC



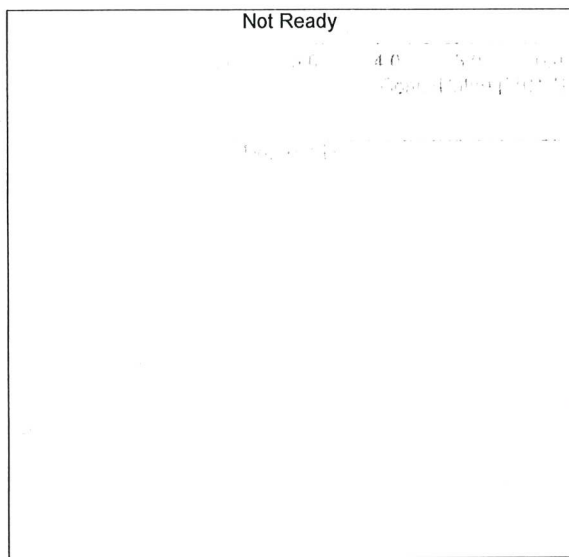
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.41313*x-0.00345541$
 R² value= 0.9999830 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15484	0.0506	0.050_8172023_001.gcd
2	0.100	31672	0.1002	0.100_8172023_002.gcd
3	0.200	64291	0.1987	0.200_8172023_003.gcd
5	0.500	165132	0.5003	0.500_8172023_005.gcd



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

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



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

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

RC

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
---	-------	------	------------	----------------

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
---	-------	------	------------	----------------

Not Ready

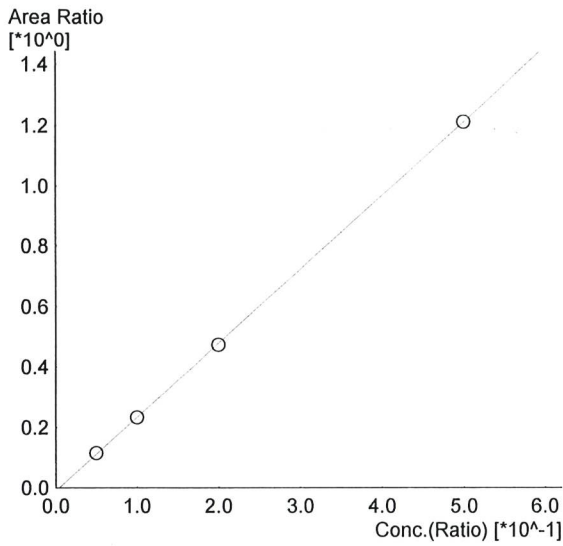
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



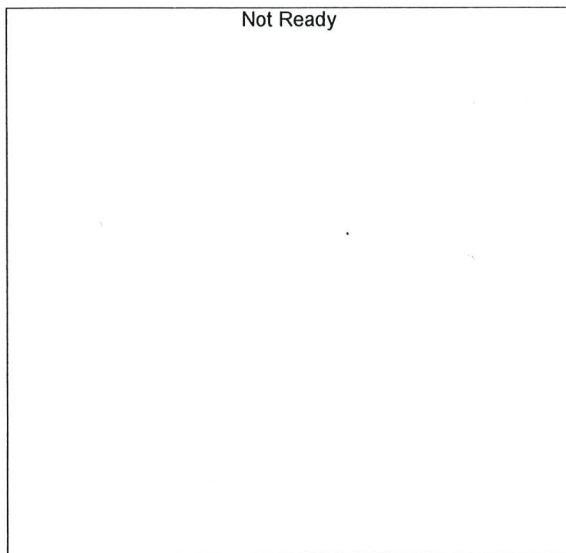
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.44613*x-0.0114229$
 R² value= 0.9999477 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15220	0.0514	0.050_8172023_001.gcd
2	0.100	31531	0.0998	0.100_8172023_002.gcd
3	0.200	65041	0.1980	0.200_8172023_003.gcd
5	0.500	169378	0.5006	0.500_8172023_005.gcd



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

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

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
---	-------	------	------------	----------------

Not Ready

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

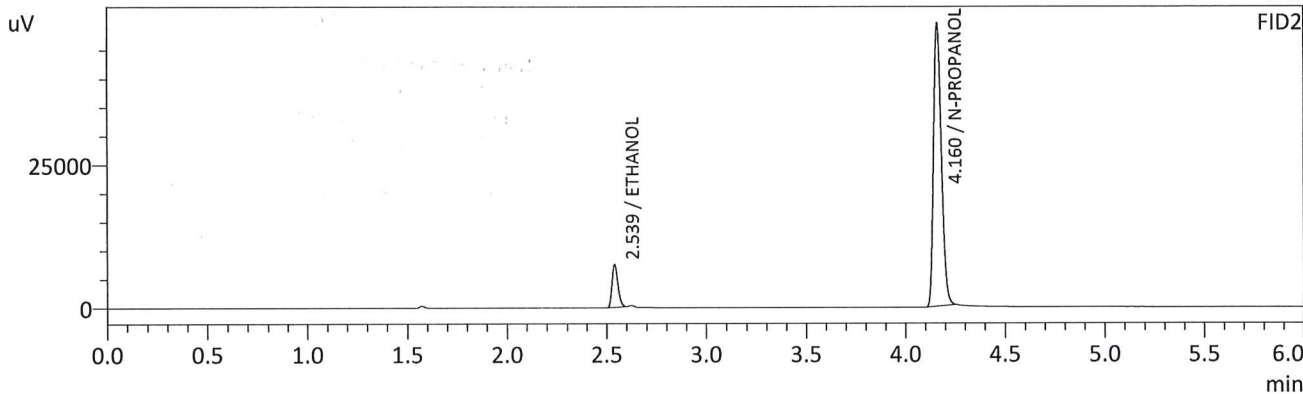
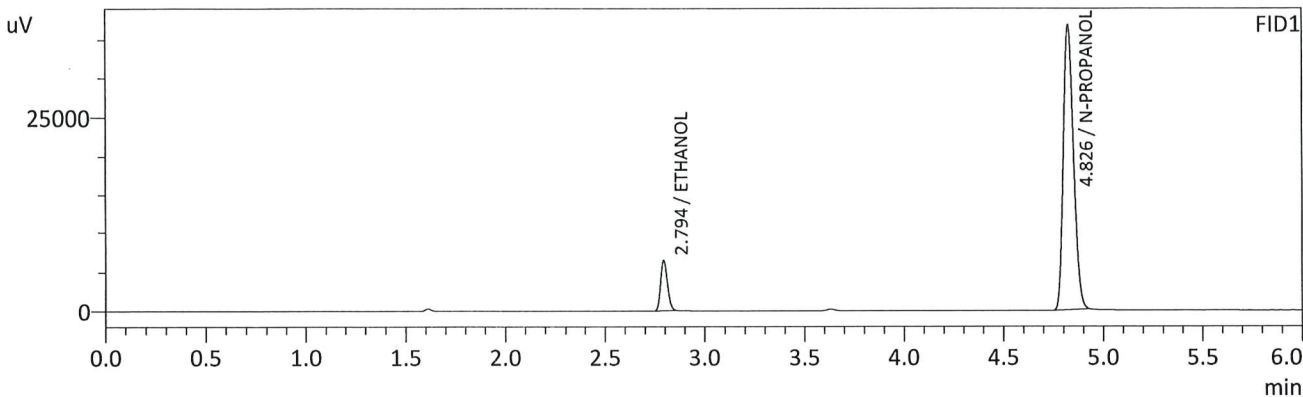
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

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
---	-------	------	------------	----------------

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_8172023_001.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 10:40:59 AM
 Date Processed : 8/18/2023 10:09:21 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

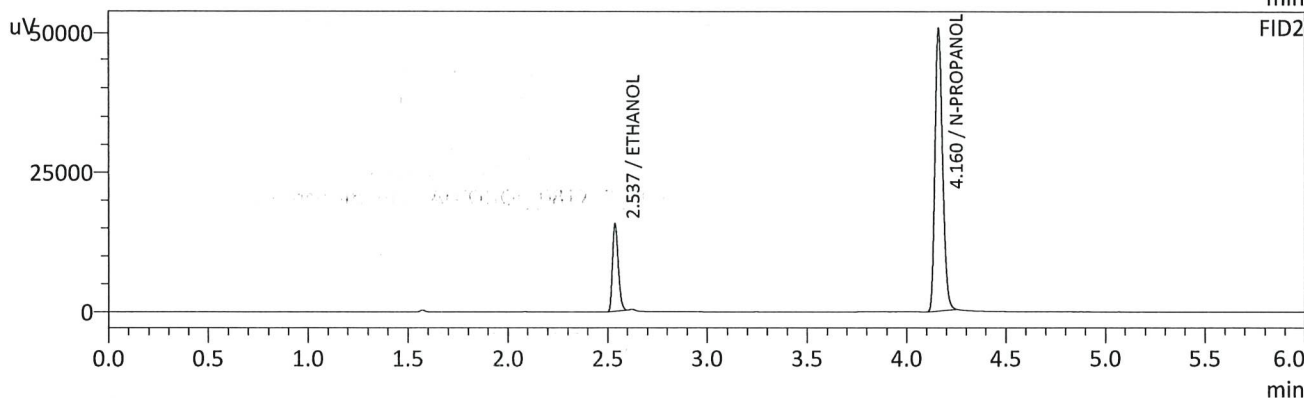
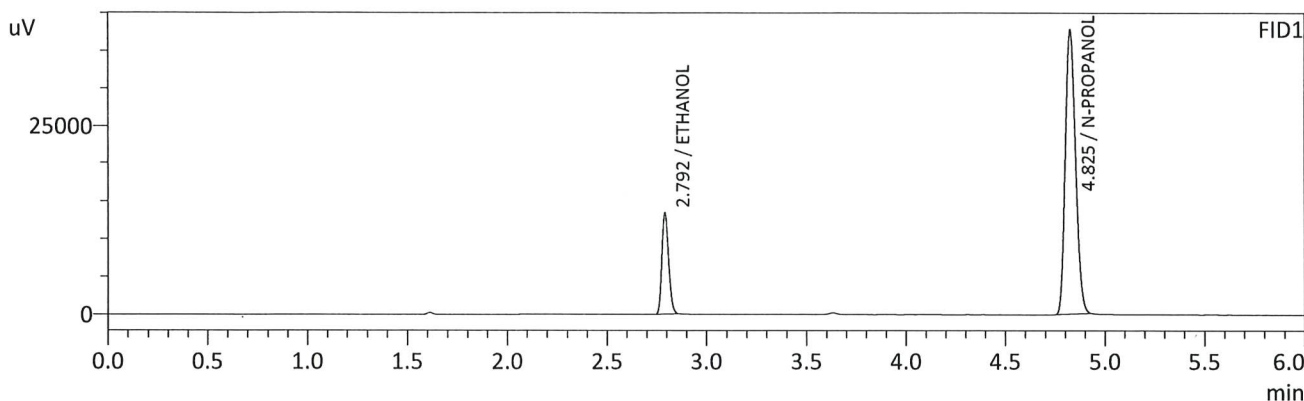
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0506	g/100cc	15484	6544
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	130428	36667
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	15220	7381
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	133000	49379
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_8172023_002.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 10:50:28 AM
 Date Processed : 8/18/2023 10:09:25 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

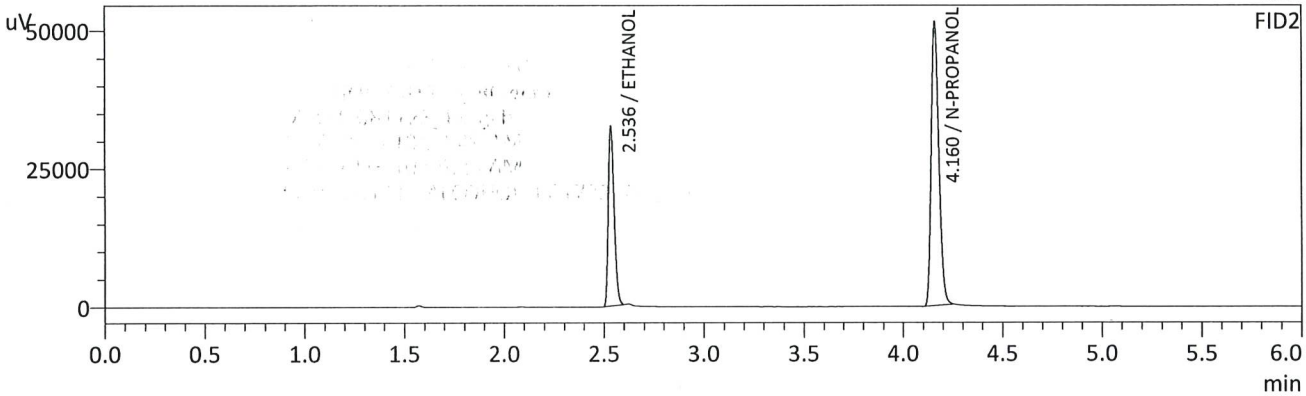
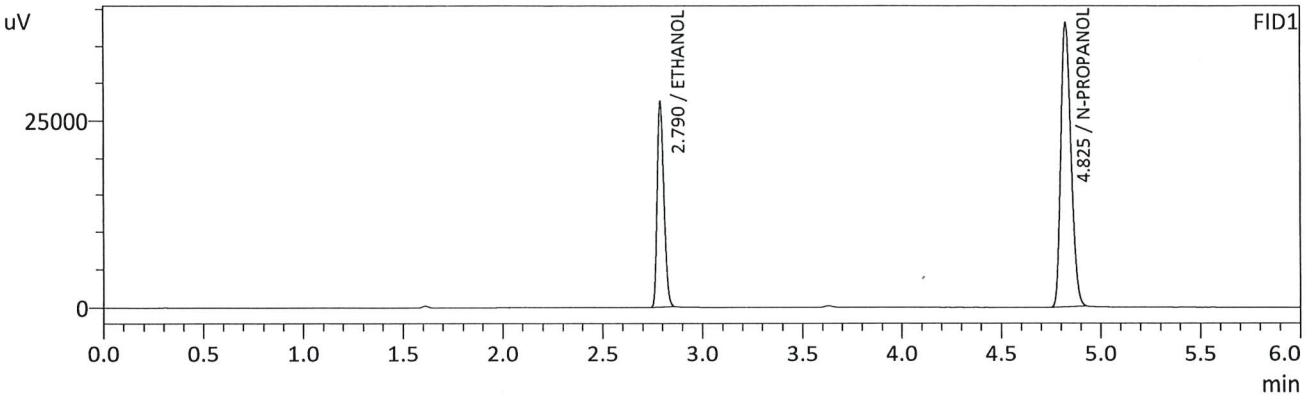
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	31672	13333
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	132877	37584
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0998	g/100cc	31531	15650
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135465	50575
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_8172023_003.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 10:59:49 AM
 Date Processed : 8/18/2023 10:09:28 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	64291	27338
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135001	38037
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

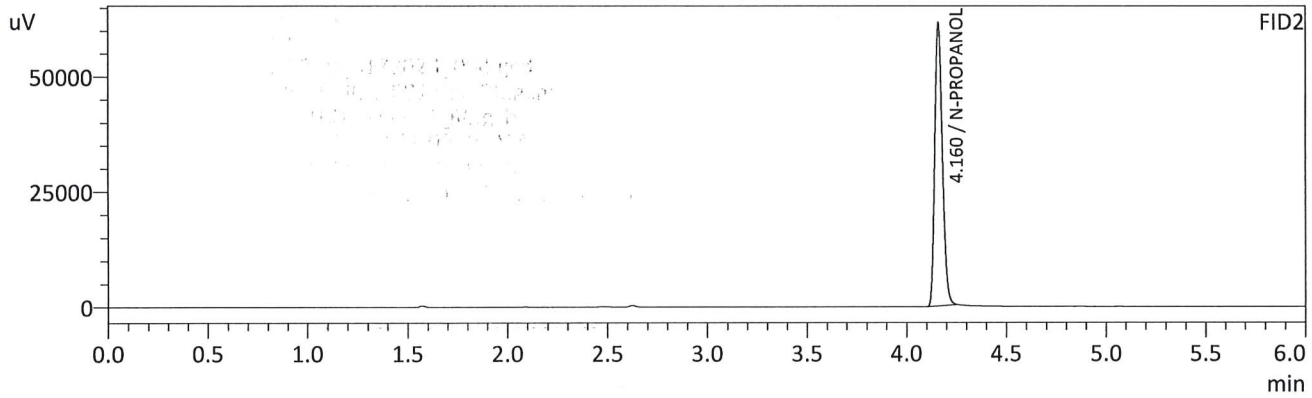
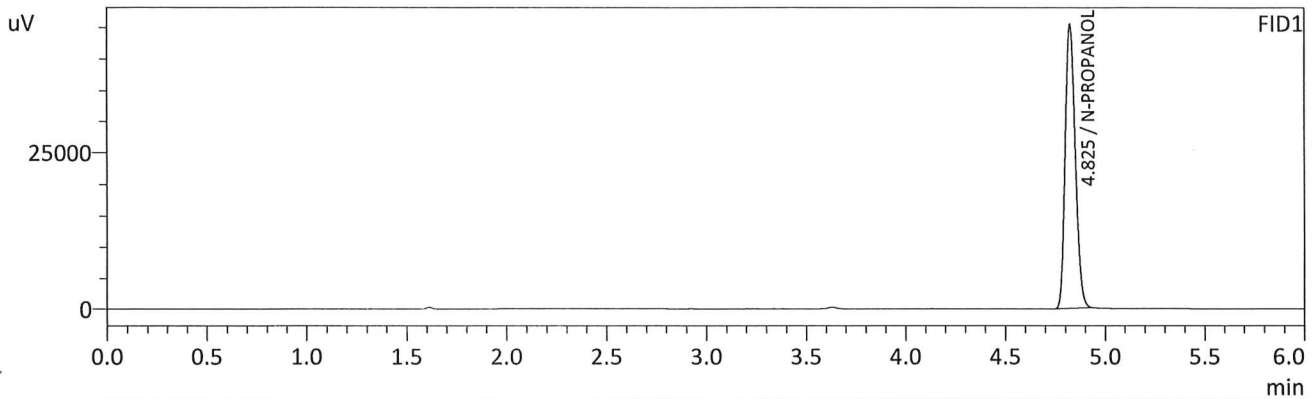
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1980	g/100cc	65041	32348
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137494	51234
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_8172023_004.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:09:34 AM
 Date Processed : 8/18/2023 10:09:32 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm

*Not used
 or required per
 method.
 RC*



FID1

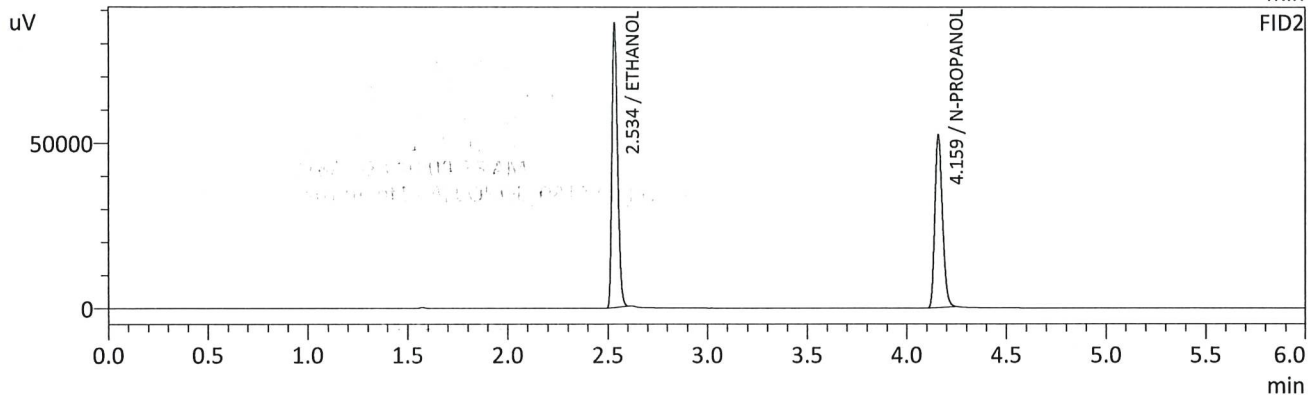
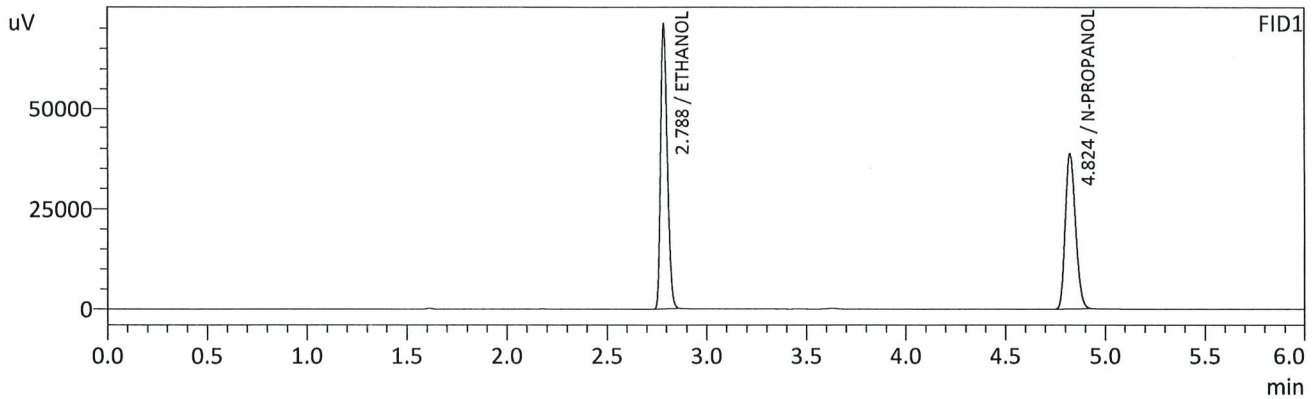
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160489	45392
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	164065	61468
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_8172023_005.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:19:05 AM
 Date Processed : 8/18/2023 10:09:35 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



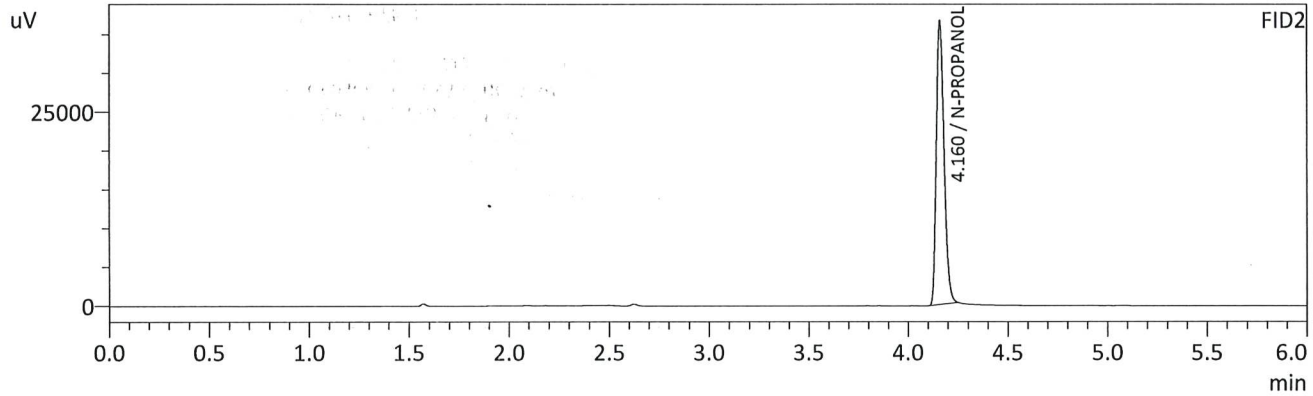
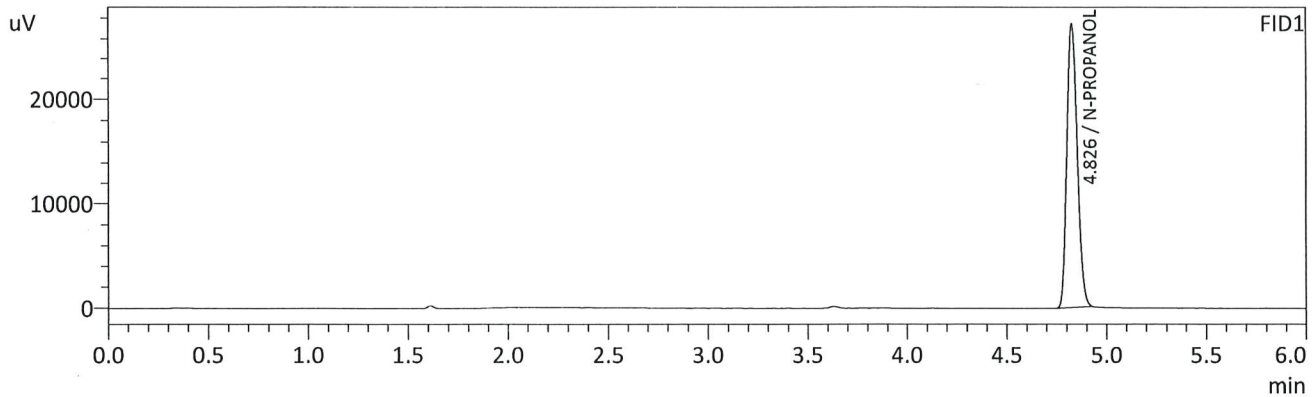
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5003	g/100cc	165132	70662
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137149	38827
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5006	g/100cc	169378	84909
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139603	52130
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_8172023_006.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:28:22 AM
 Date Processed : 8/17/2023 11:34:24 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

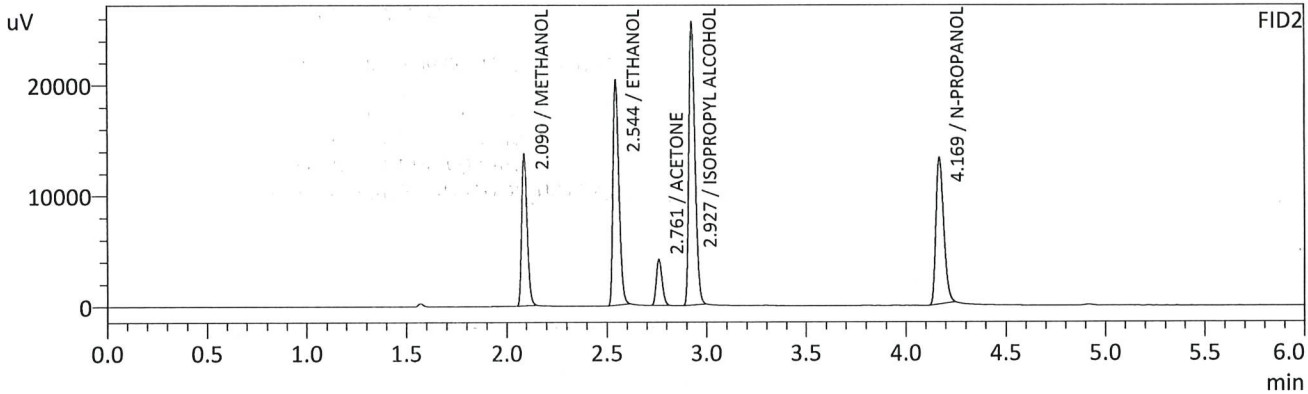
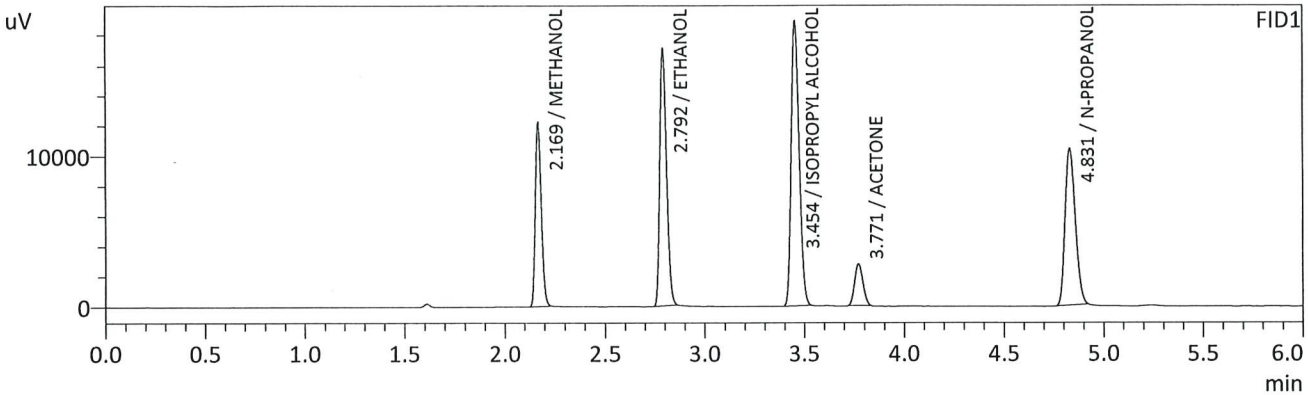
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	97206	27278
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	98517	36577
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_8172023_007.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:38:06 AM
 Date Processed : 8/17/2023 11:44:07 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

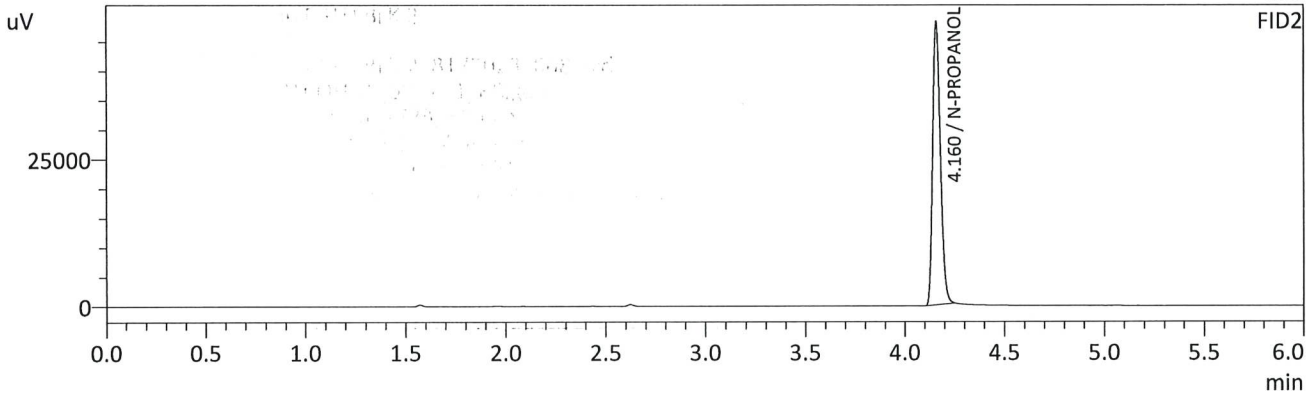
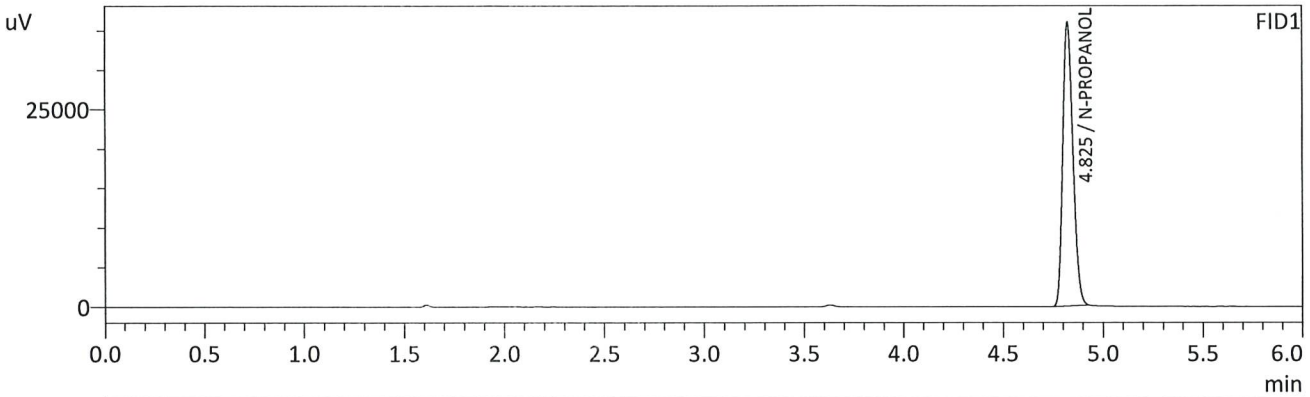
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	25329	12120
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4572	g/100cc	40289	16994
ISOPROPYL ALCOHOL	0.0000	g/100cc	53025	18684
ACETONE	0.0000	g/100cc	7830	2740
N-PROPANOL	0.0000	g/100cc	36631	10369
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	26478	13684
ETHANOL	0.4754	g/100cc	41335	20094
ACETONE	0.0000	g/100cc	8396	4134
ISOPROPYL ALCOHOL	0.0000	g/100cc	54515	25302
N-PROPANOL	0.0000	g/100cc	35892	13237
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_8172023_008.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:47:38 AM
 Date Processed : 8/17/2023 11:53:40 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_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	127248	35927
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	129473	48162
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 8/17/2023 11:56:57 AM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0817	0.0002	0.0818	0.0010	0.0813
(g/100cc)	0.0811	0.0805	0.0006	0.0808		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_081723_RC.gcm

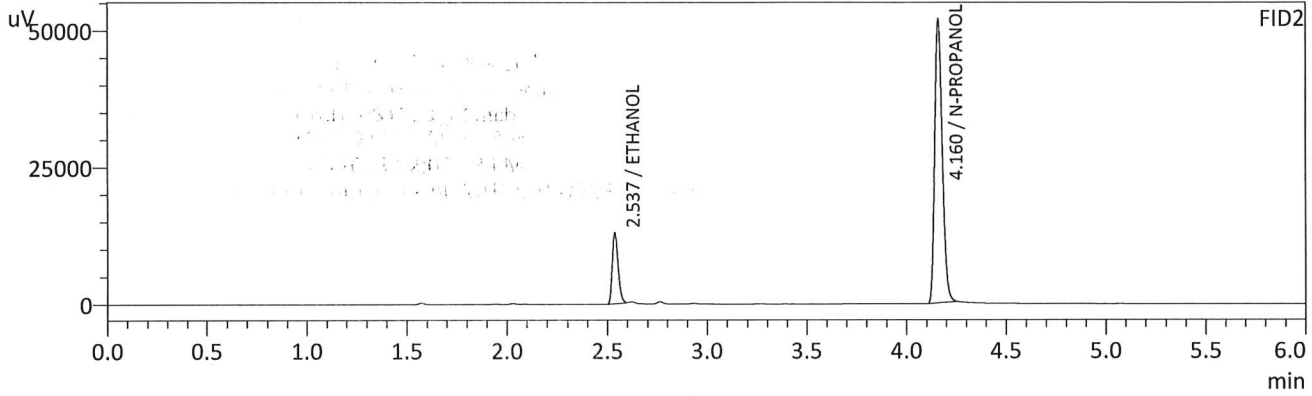
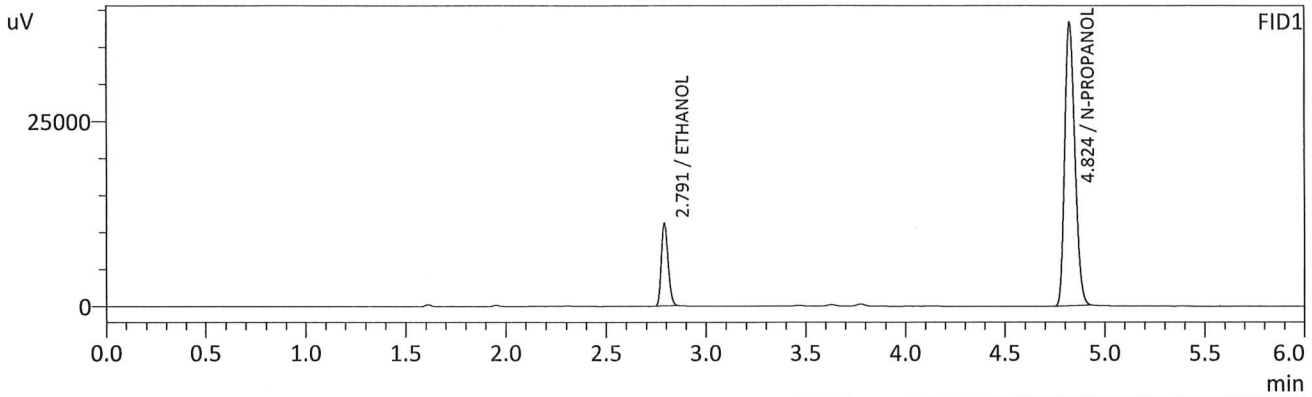
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_8172023_009.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 11:56:57 AM
 Date Processed : 8/17/2023 12:02:58 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

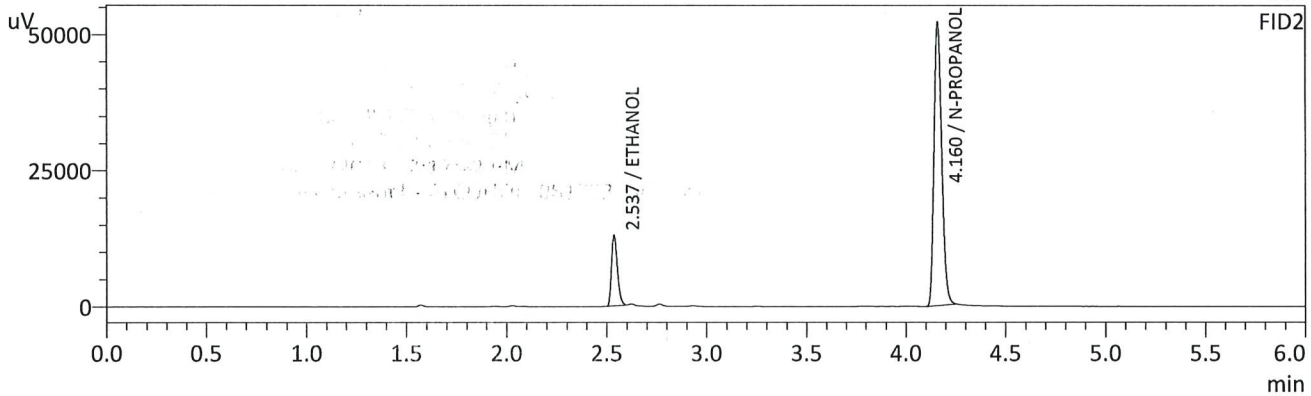
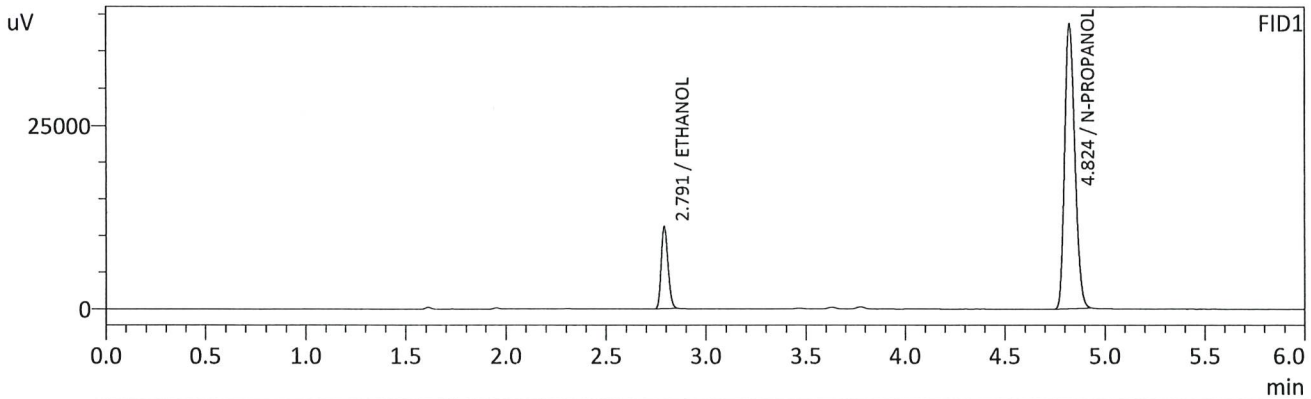
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	26396	11060
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135932	38298
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	26126	12890
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	138606	51779
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_8172023_010.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 12:06:41 PM
 Date Processed : 8/17/2023 12:12:42 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	26415	11097
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137299	38716
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	26034	12926
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	140181	52037
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): 8/17/2023 12:16:12 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0805	0.0001	0.0804	0.0001	0.0804
(g/100cc)	0.0805	0.0805	0.0000	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_081723_RC.gcm

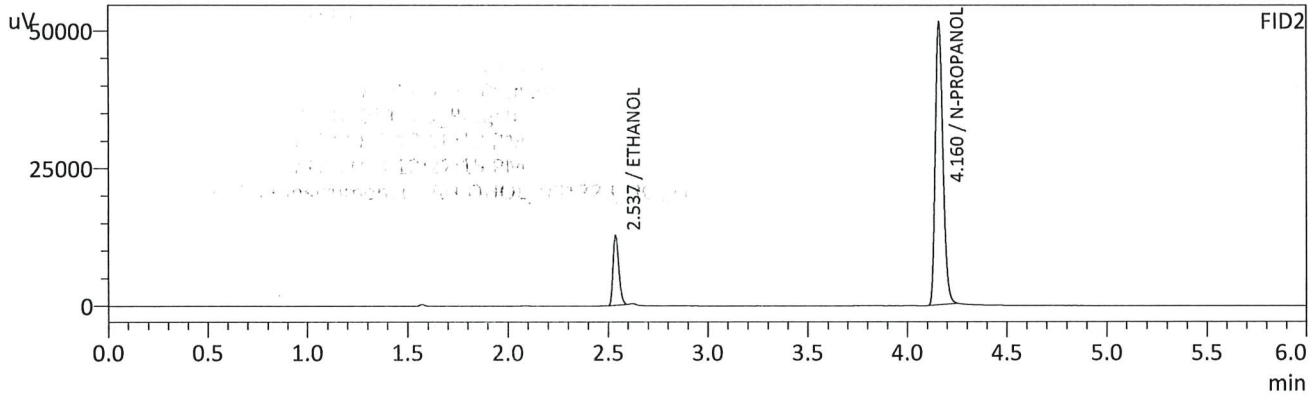
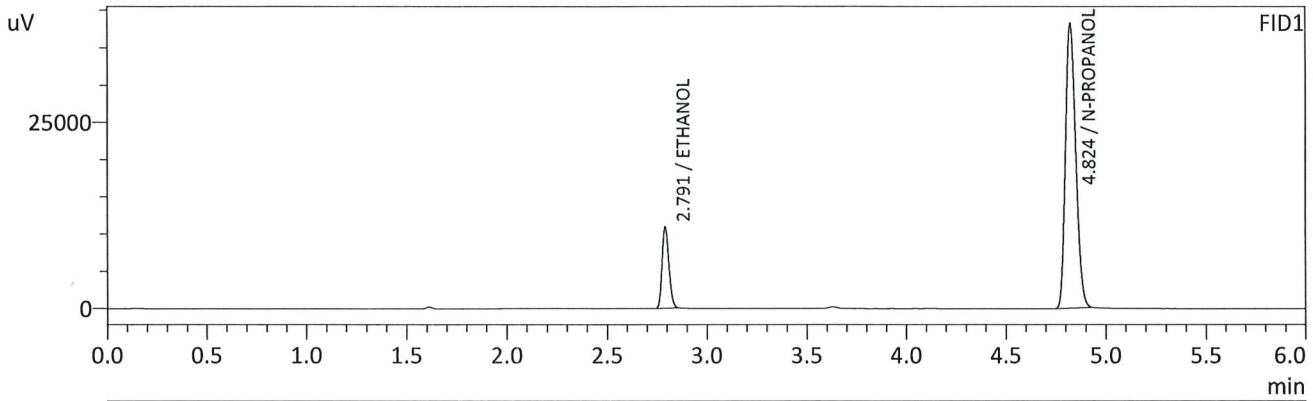
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Column 1 FID A	Reported Results	
	Column 2 FID B	0.080

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_8172023_011.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 12:16:12 PM
 Date Processed : 8/17/2023 12:22:15 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

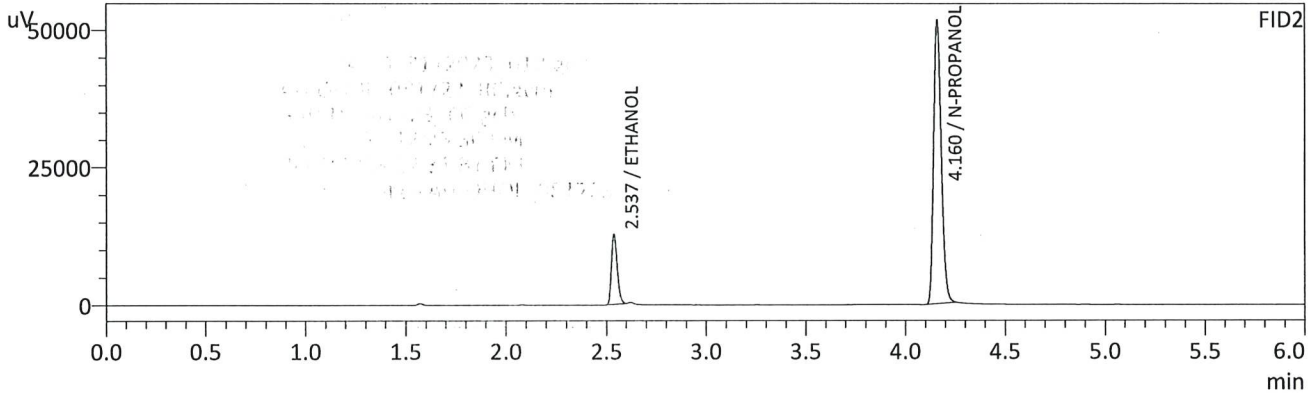
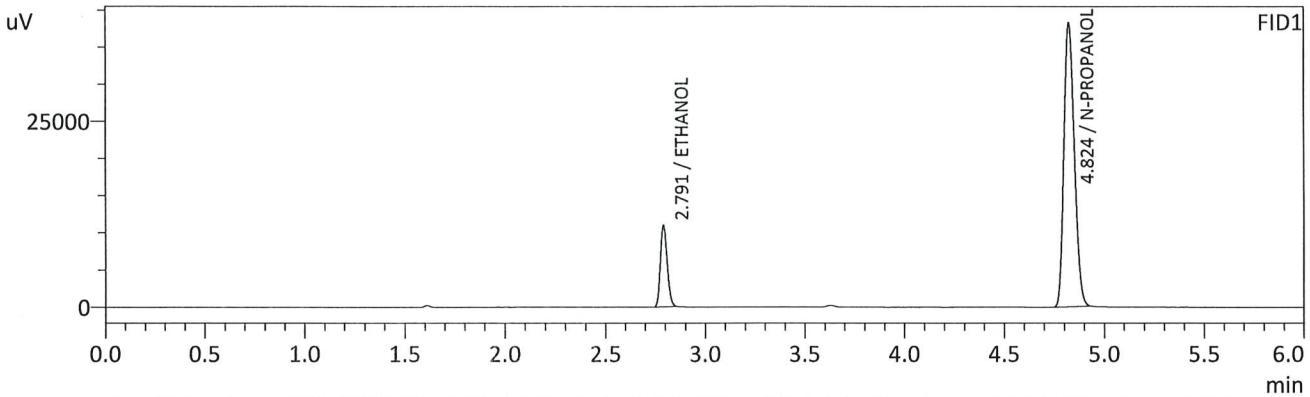
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	25787	10829
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135261	38216
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	25577	12672
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137869	51360
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_8172023_012.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 12:25:30 PM
 Date Processed : 8/17/2023 12:31:31 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	25847	10853
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	135445	38197
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	25628	12688
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137997	51542
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 8/17/2023 3:26:36 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2063	0.2068	0.0005	0.2065	0.0043	0.2043
(g/100cc)	0.2025	0.2019	0.0006	0.2022		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

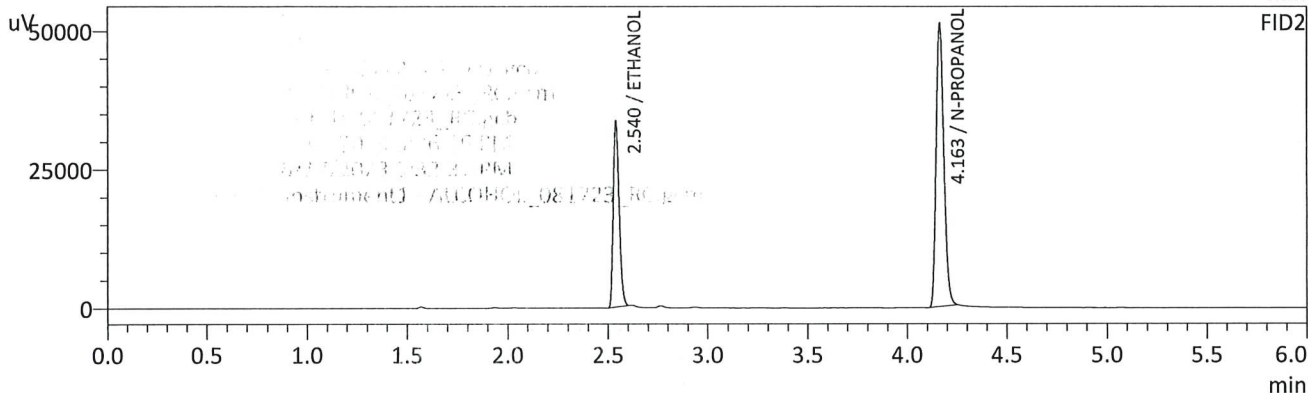
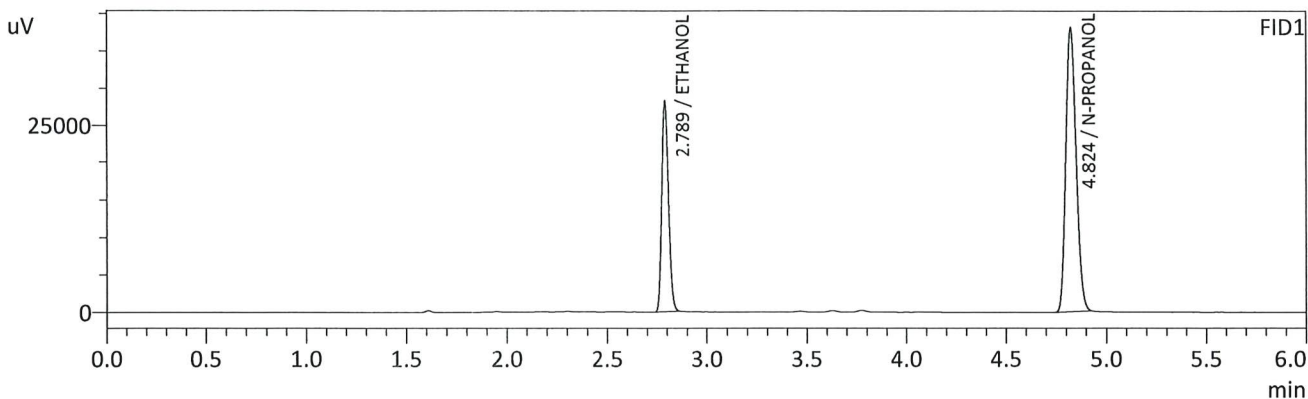
Refer To Instrument Method: ALCOHOL_081723_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.204	0.193	0.215	0.011

	Reported Results	
FID A	FID B	0.204

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_8172023_031.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 3:26:36 PM
 Date Processed : 8/17/2023 3:32:37 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

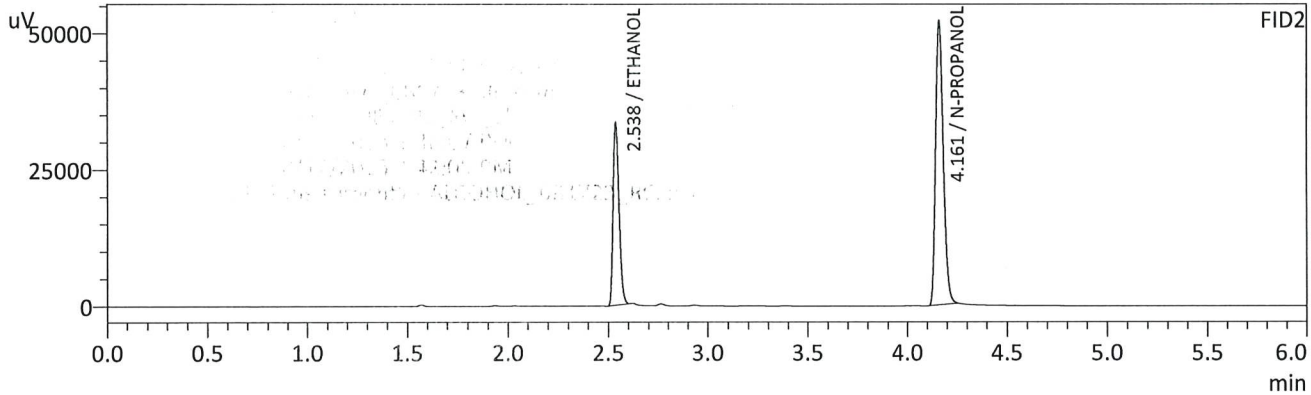
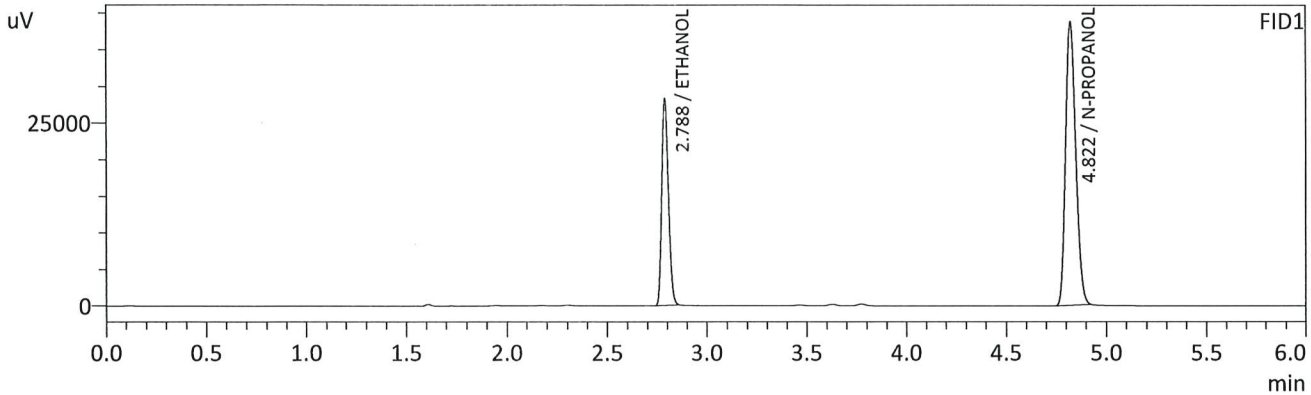
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2063	g/100cc	66495	28178
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	134459	38081
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2068	g/100cc	67461	33321
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	136383	50863
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_8172023_032.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 3:36:07 PM
 Date Processed : 8/17/2023 3:42:09 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2025	g/100cc	66590	28200
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	137200	38781
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2019	g/100cc	67282	33398
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139437	52072
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 8/17/2023 6:56:02 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0887	0.0888	0.0001	0.0887	0.0004	0.0885
(g/100cc)	0.0882	0.0884	0.0002	0.0883		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_081723_RC.gcm

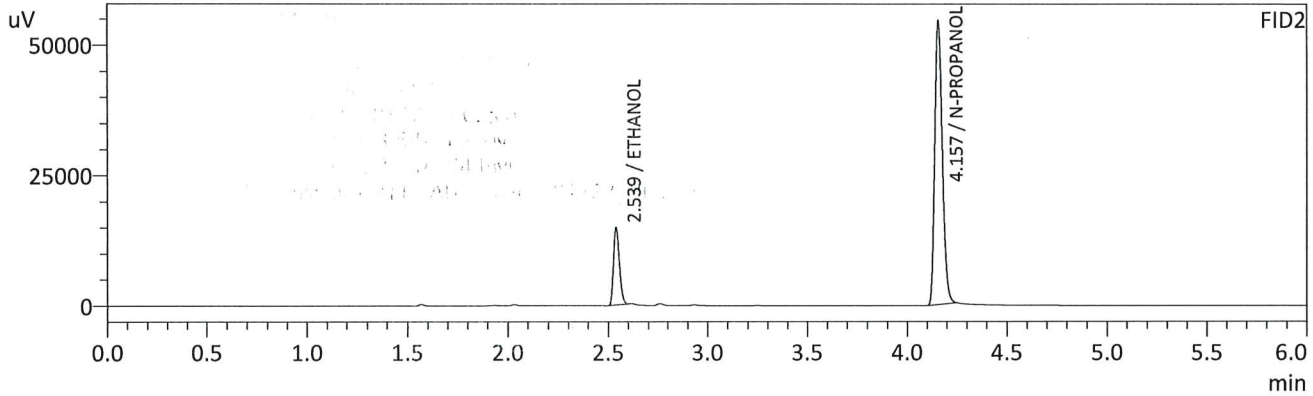
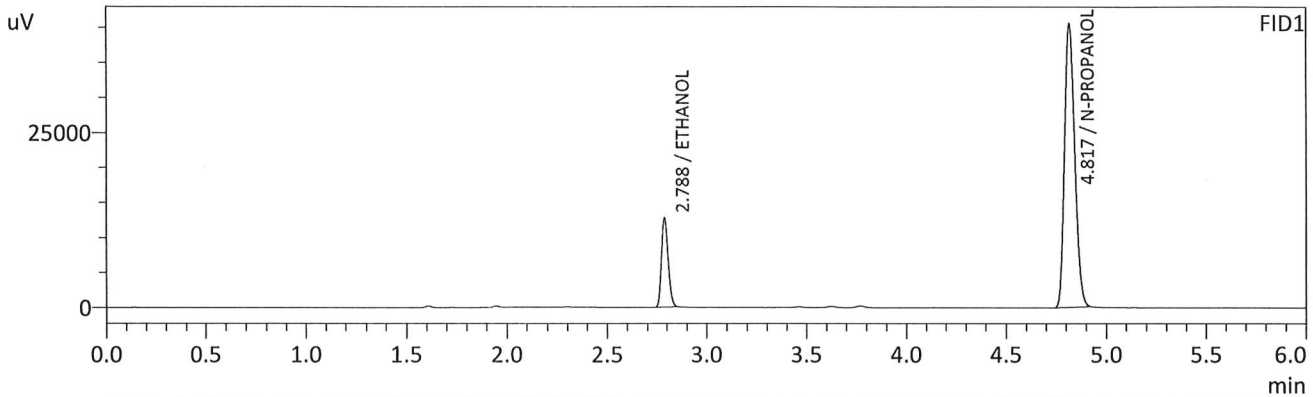
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results
	0.088

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_8172023_053.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 6:56:02 PM
 Date Processed : 8/17/2023 7:02:04 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

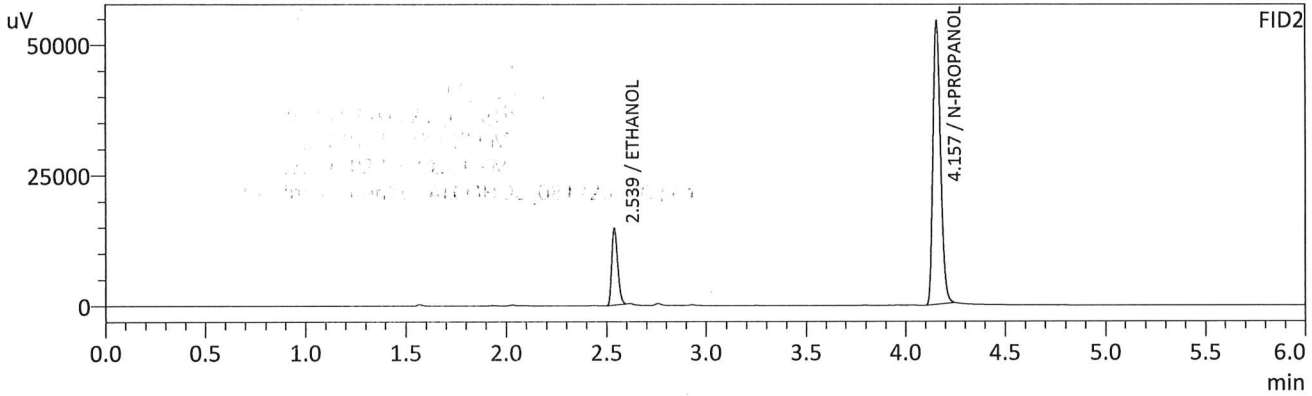
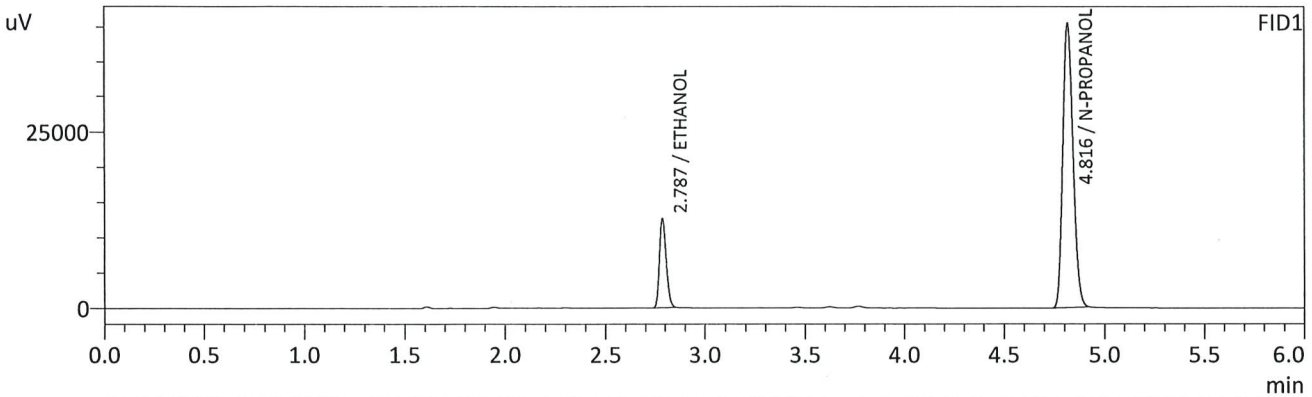
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0887	g/100cc	30131	12703
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	143017	40480
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	29889	14647
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	145239	54290
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_8172023_054.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 7:05:20 PM
 Date Processed : 8/17/2023 7:11:21 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

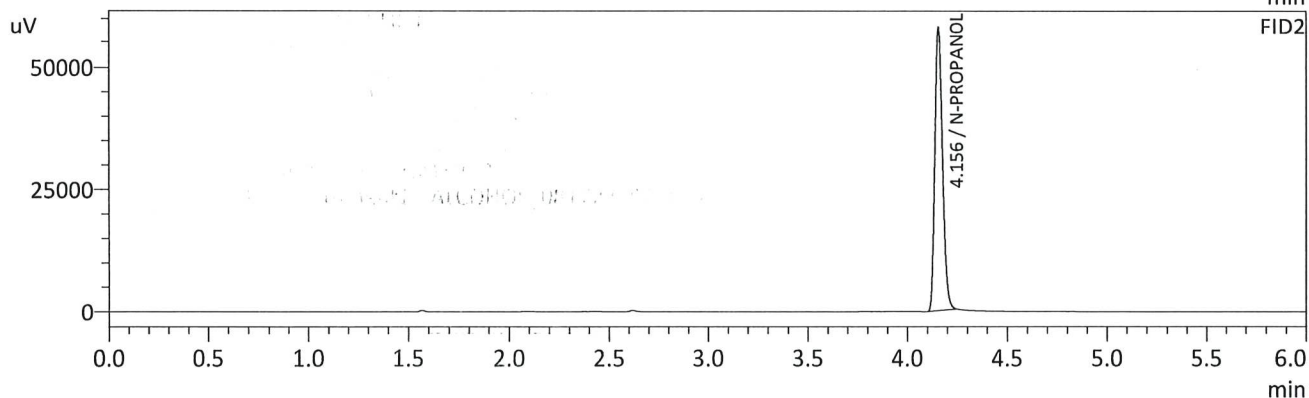
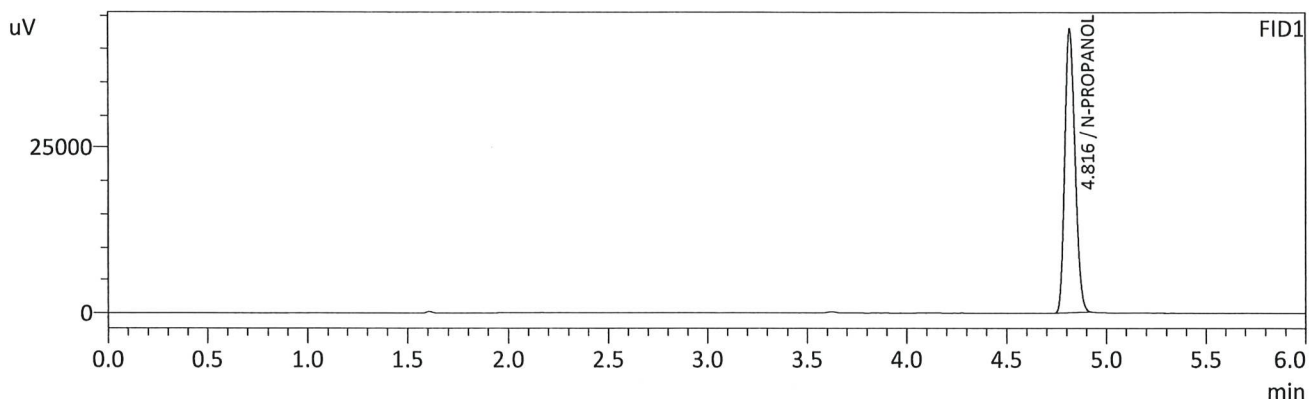
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	29835	12589
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	142446	40303
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0884	g/100cc	29650	14505
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	144659	54383
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_8172023_055.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 7:15:09 PM
 Date Processed : 8/17/2023 7:21:10 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_RC.gcm



FID1

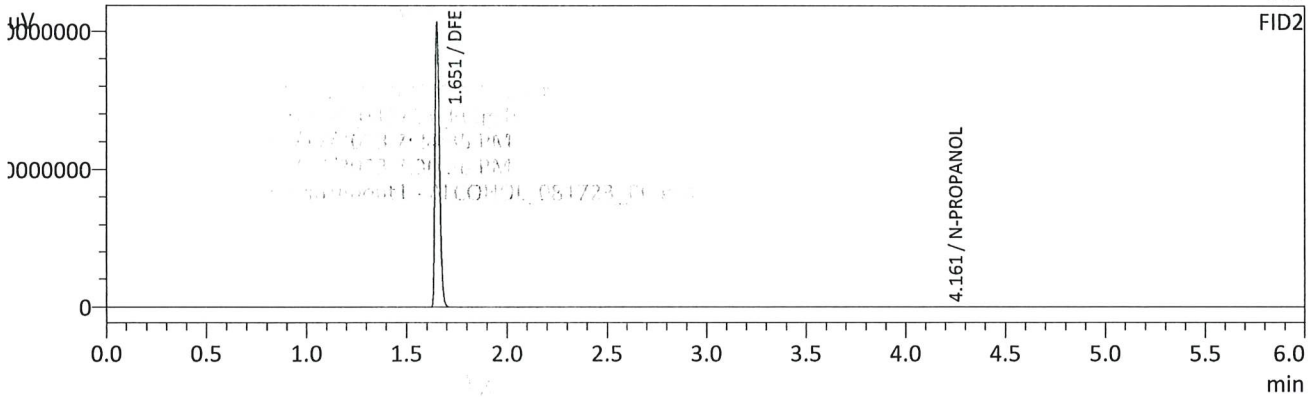
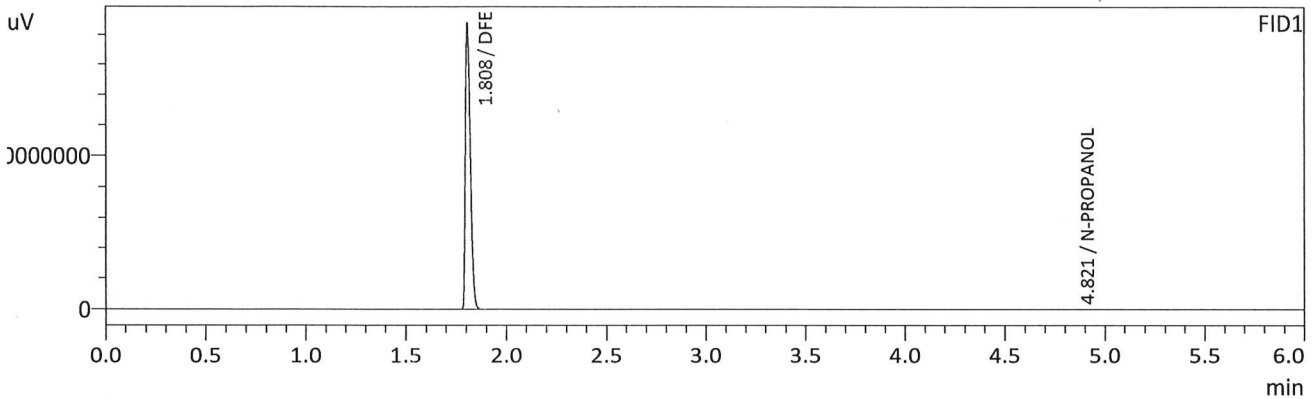
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151662	42800
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	154380	57979
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : DFE LOT OMO4736
 Vial # : 56
 Data Filename : DFE LOT OMO4736_8172023_056.gcd
 Method Filename : ALCOHOL_081723_RC.gcm
 Batch Filename : BATCH_081723_RC.gcb
 Date Acquired : 8/17/2023 7:24:35 PM
 Date Processed : 8/17/2023 7:30:36 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_081723_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	35676	10178
DFE	0.0000	g/100cc	32078142	18512729
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	34720	12977
DFE	0.0000	g/100cc	32893535	20374172
TFE	--	g/100cc	--	--

Handwritten signature/initials

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_081723_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_081723_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_081723_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_081723_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_081723_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_081723_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_081723_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_081723_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_081723_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_081723_RC.gcm		0
13	P2023-2326-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
14	P2023-2326-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
15	P2023-2334-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
16	P2023-2334-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
17	P2023-2408-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
18	P2023-2408-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
19	P2023-2410-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
20	P2023-2410-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
21	P2023-2411-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
22	P2023-2411-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
23	P2023-2412-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
24	P2023-2412-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
25	P2023-2415-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
26	P2023-2415-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
27	P2023-2415-2	0:Unknown	ALCOHOL_081723_RC.gcm		0
28	P2023-2415-2-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
29	P2023-2418-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
30	P2023-2418-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
33	P2023-2419-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
34	P2023-2419-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
35	P2023-2420-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
36	P2023-2420-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
37	P2023-2450-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
38	P2023-2450-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
39	P2023-2451-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
40	P2023-2451-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
41	P2023-2472-2	0:Unknown	ALCOHOL_081723_RC.gcm		0
42	P2023-2472-2-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
43	P2023-2486-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
44	P2023-2486-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
45	P2023-2489-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
46	P2023-2489-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
47	P2023-2490-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
48	P2023-2490-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
49	P2023-2521-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
50	P2023-2521-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
51	P2023-2528-1	0:Unknown	ALCOHOL_081723_RC.gcm		0
52	P2023-2528-1-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_081723_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_081723_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_081723_RC.gcm		0
56	DFE LOT OMO4736	0:Unknown	ALCOHOL_081723_RC.gcm		0