



















TS

3/8/2023

Worklist: 6261

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0497	1	BCK	Alcohol Analysis	
P2023-0505	1	BCK	Alcohol Analysis	
P2023-0506	1	BCK	Alcohol Analysis	
P2023-0507	1	BCK	Alcohol Analysis	
P2023-0508	1	BCK	Alcohol Analysis	
P2023-0533	1	BCK	Alcohol Analysis	
P2023-0534	1	BCK	Alcohol Analysis	
P2023-0535	1	BCK	Alcohol Analysis	
P2023-0536	1	BCK	Alcohol Analysis	
P2023-0537	1	BCK	Alcohol Analysis	
P2023-0543	1	BCK	Alcohol Analysis	
P2023-0544	1	BCK	Alcohol Analysis	
P2023-0545	1	BCK	Alcohol Analysis	
P2023-0546	1	BCK	Alcohol Analysis	
P2023-0563	1	BCK	Alcohol Analysis	
P2023-0567	1	BCK	Alcohol Analysis	
P2023-0585	1	BCK	Alcohol Analysis	
P2023-0586	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): 03/07/2023

Calibration Date: (if different)

Worklist #: 6261

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0708 g/100cc 0.0760 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2102 g/100cc g/100cc g/100cc
Multi-Component mixture:			Exp:	Lot #	
Curve Fit:			Column 1	Column 2	
			0.99986	0.99976	0.99976

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0489	0.0490	0.0001	0.0489
100	0.100	0.090 - 0.110	0.0985	0.0976	0.0009	0.098
200	0.200	0.180 - 0.220	0.2016	0.2019	0.0003	0.2017
300	0.300	0.270 - 0.330	0.3027	0.3037	0.001	0.3032
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4980	0.4975	0.0005	0.4977

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

REVIEWED

By Rachel Cutler at 9:14 am, Mar 10, 2023

Internal Standard Monitoring Worksheet

Worklist #: 6261 **Run Date(s):** 03/07/2023

Internal Standard Solution:	Prep Date:	3/6/2023	Exp Date:	9/6/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	171963	179757
0.080	172222	179822
QC1	174690	182310
QC1	173431	181171
QC1	175705	183694
QC1	187664	196460
QC1		
QC1		
QC2	167922	174929
QC2	167584	174532
QC2		
QC2		
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1 173897.6	139118.1	208677.2
Column 2 181584.4	145267.5	217901.3

TS

TS

Calibration Table

Laboratory: Pocatello
Instrument Name : G1KG333-Instrument1

<<Data File>>
Method File :Default Project - ALCOHOL_030723_TS.gcm
Batch File :Default Project - BATCH_030723_TS.gcb
Date Acquired :3/7/2023 12:07:43 PM
Date Created :3/7/2023 12:04:15 PM
Date Modified :3/8/2023 7:35:57 AM



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

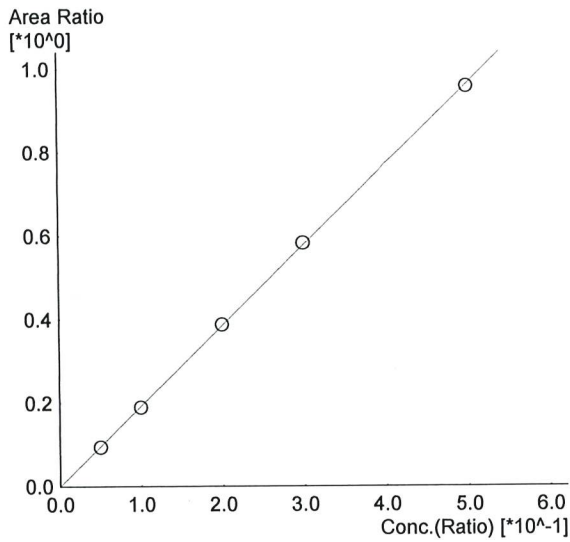
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

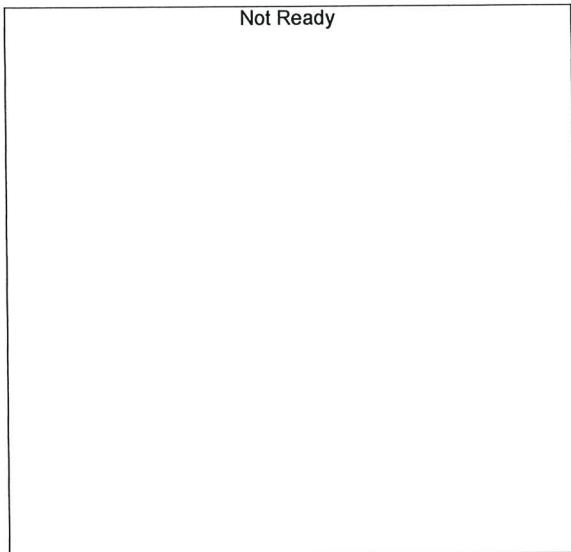
#	Conc.	Area	Std. Conc.	Data File Name
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B



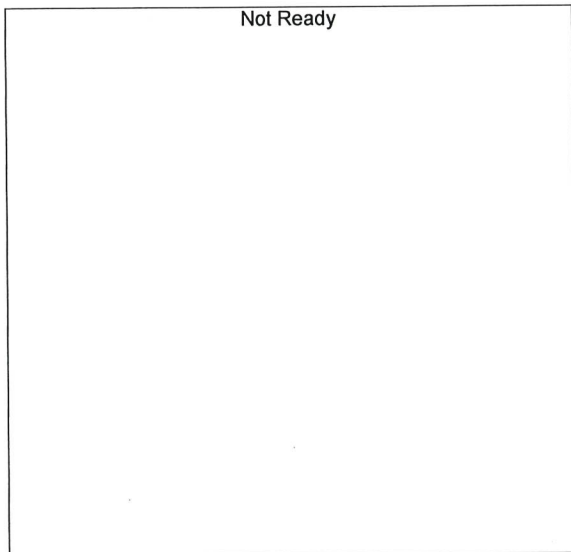
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.92343*x-0.000562053$
 R² value= 0.9998621
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15929	0.0489	0.050_372023_001.gcd
2	0.100	32142	0.0985	0.100_372023_002.gcd
3	0.200	66090	0.2016	0.200_372023_003.gcd
4	0.300	99819	0.3027	0.300_372023_004.gcd
5	0.500	168825	0.4980	0.500_372023_005.gcd



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

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

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

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

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

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

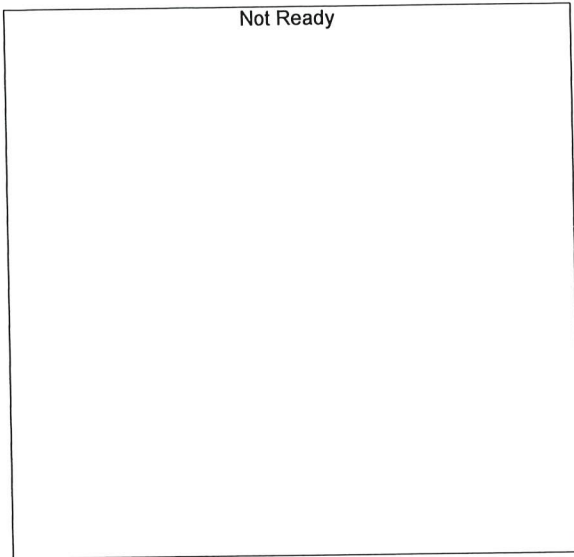
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

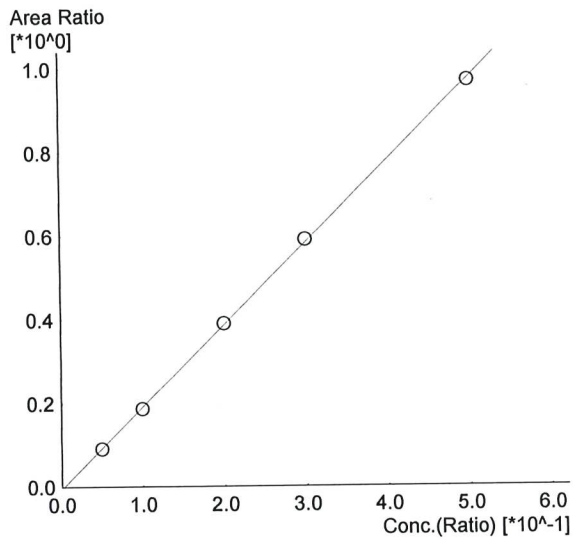
#	Conc.	Area	Std. Conc.	Data File Name
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TS



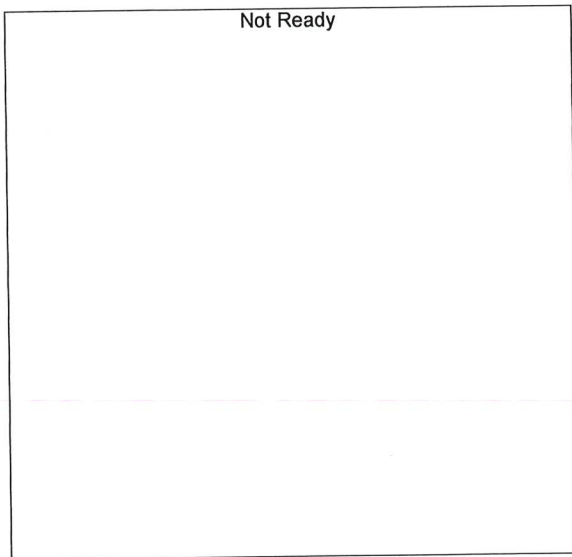
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.96118*x-0.00565409$
 R² value= 0.9997612
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16220	0.0490	0.050_372023_001.gcd
2	0.100	33227	0.0976	0.100_372023_002.gcd
3	0.200	69207	0.2019	0.200_372023_003.gcd
4	0.300	105244	0.3037	0.300_372023_004.gcd
5	0.500	178861	0.4975	0.500_372023_005.gcd



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

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

Not Ready

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

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

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

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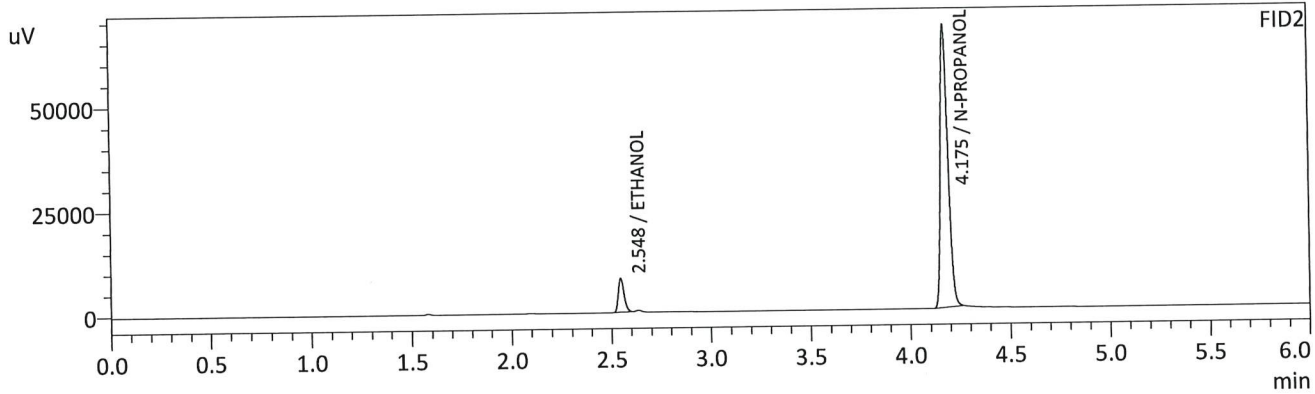
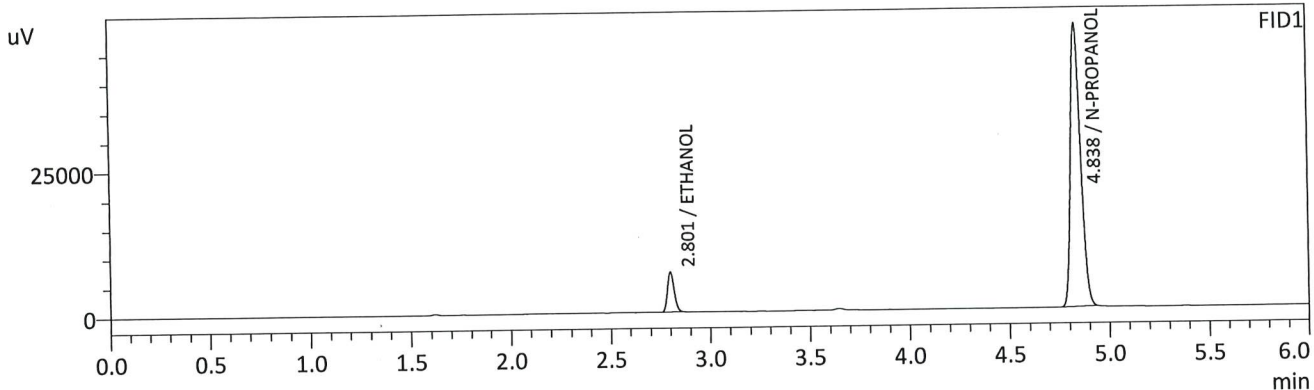
Not Ready

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

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

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_372023_001.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 11:29:37 AM
 Date Processed : 3/8/2023 7:35:43 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

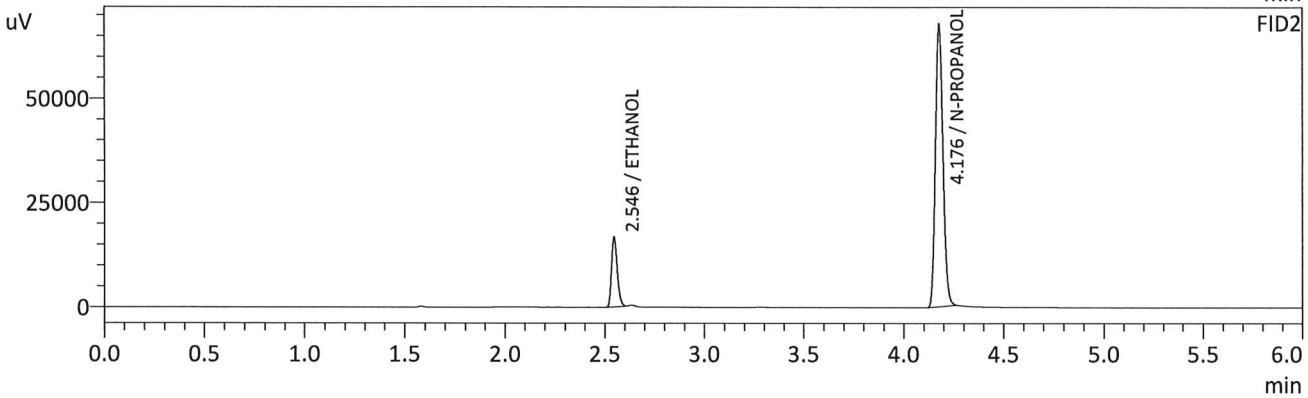
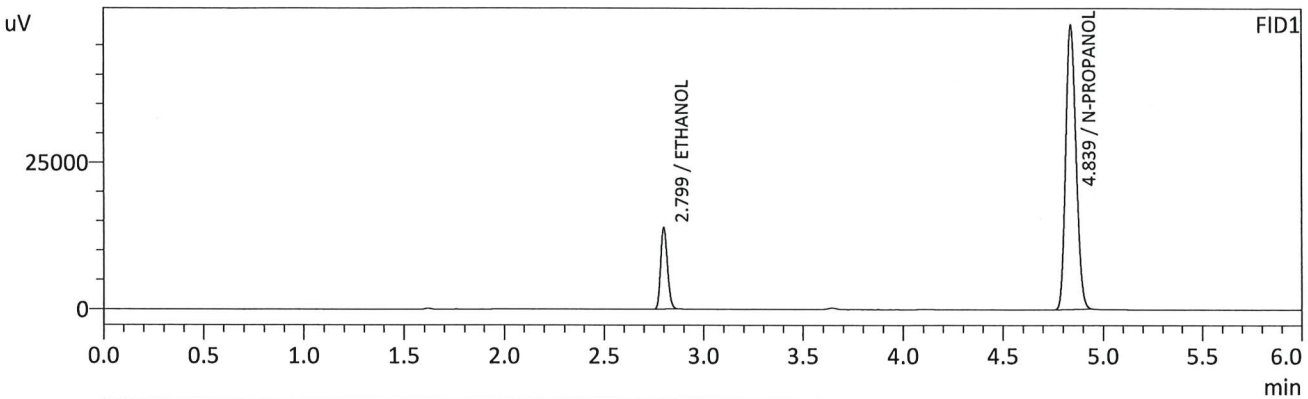
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0489	g/100cc	15929	6796
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170290	48597
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0490	g/100cc	16220	8021
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178966	67534
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_372023_002.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 11:39:06 AM
 Date Processed : 3/8/2023 7:35:47 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

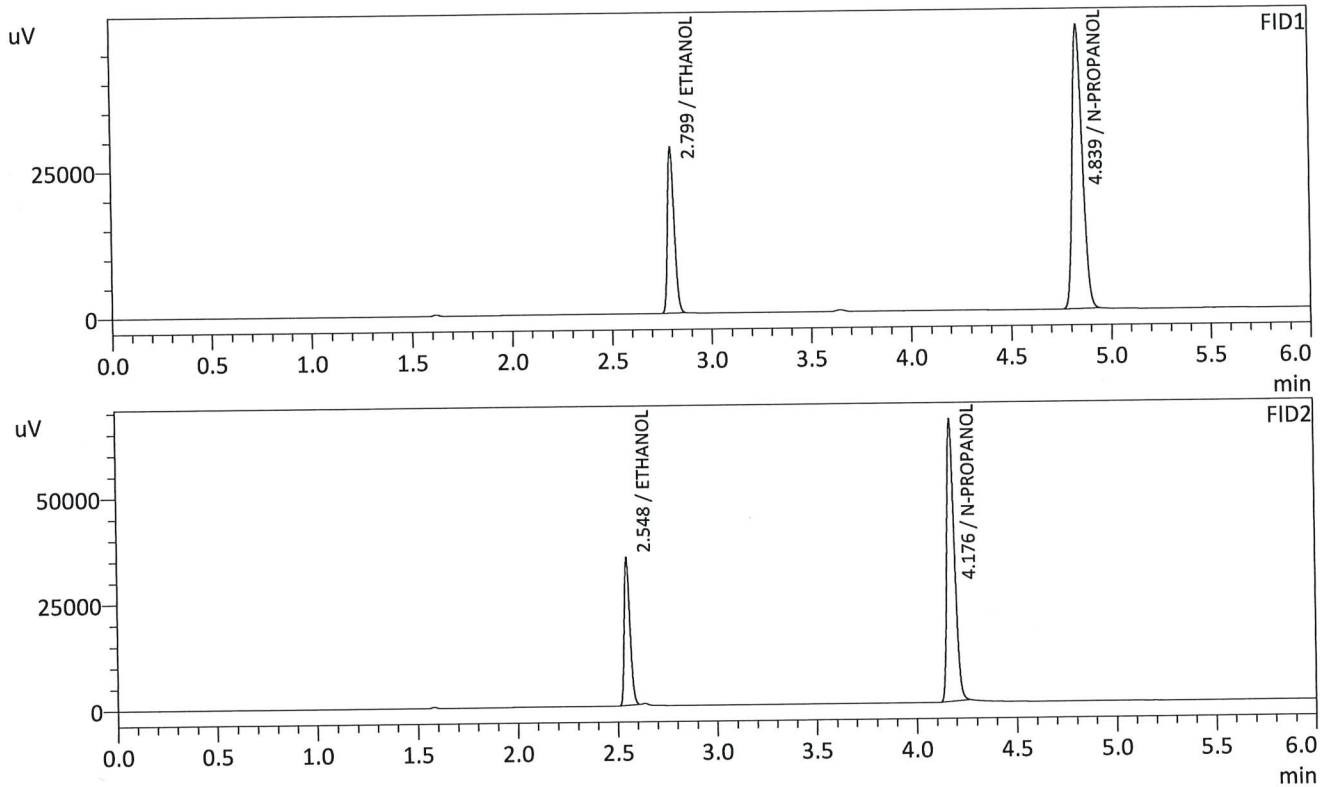
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0985	g/100cc	32142	13772
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170063	48260
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0976	g/100cc	33227	16676
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178735	67466
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TB

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_372023_003.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 11:48:27 AM
 Date Processed : 3/8/2023 7:35:50 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

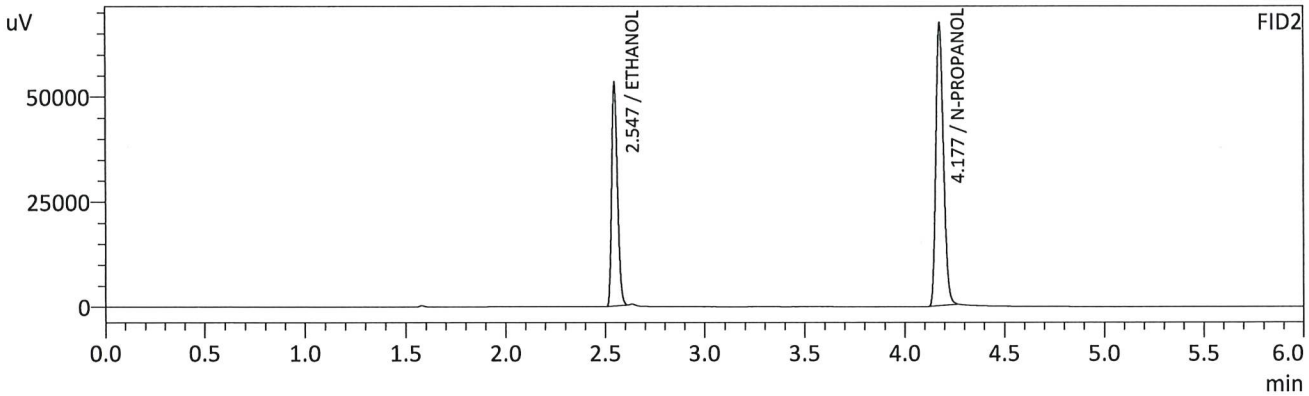
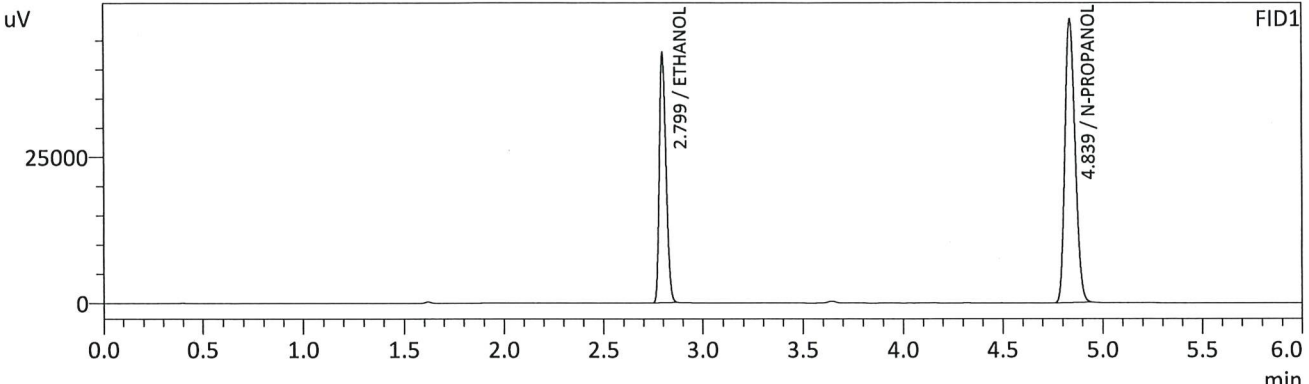
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2016	g/100cc	66090	28189
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170615	48453
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2019	g/100cc	69207	34542
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177293	66246
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_372023_004.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 11:58:11 AM
 Date Processed : 3/8/2023 7:35:53 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

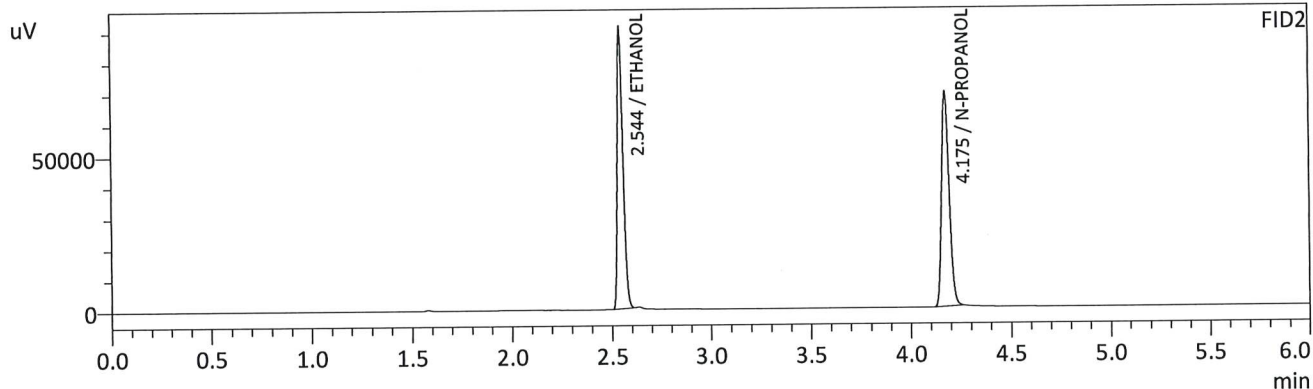
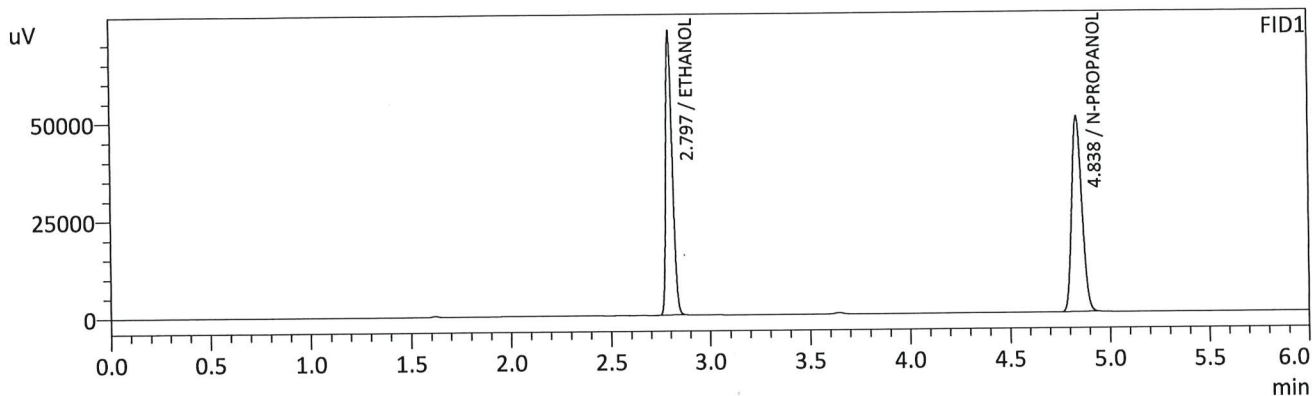
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.3027	g/100cc	99819	42708
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171562	48354
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.3037	g/100cc	105244	52975
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178334	66668
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

13

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_372023_005.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:07:43 PM
 Date Processed : 3/8/2023 7:35:57 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

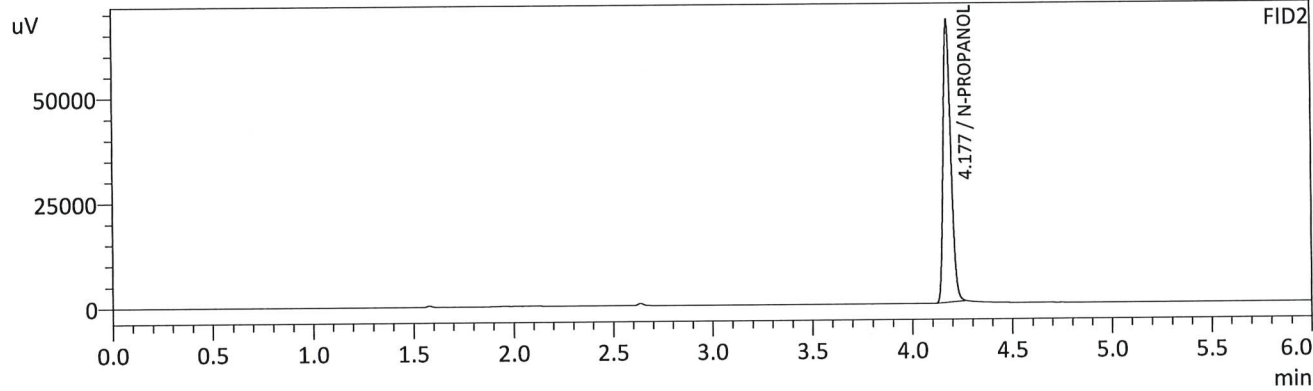
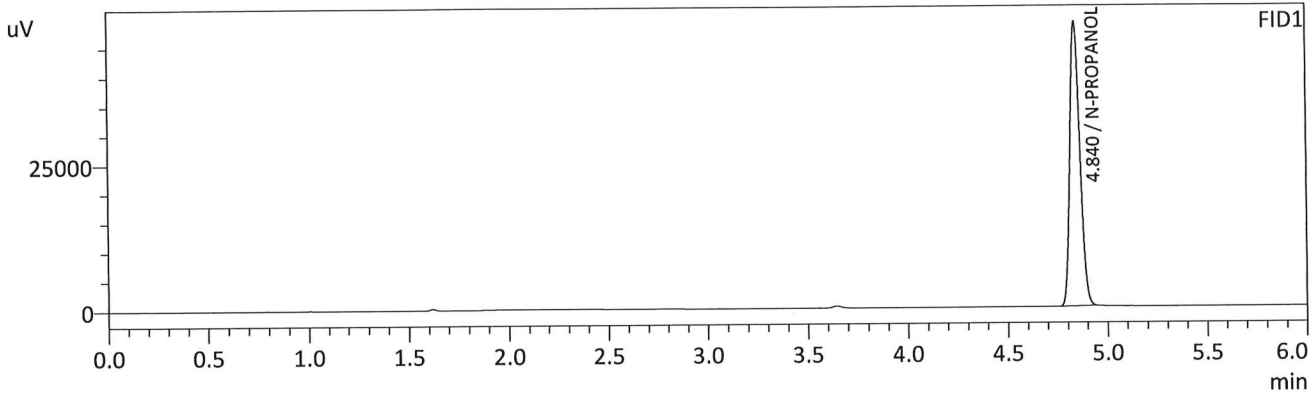
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.4980	g/100cc	168825	72589
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176335	50073
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.4975	g/100cc	178861	90103
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184384	69400
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

BS

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_372023_006.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:17:03 PM
 Date Processed : 3/7/2023 12:23:04 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

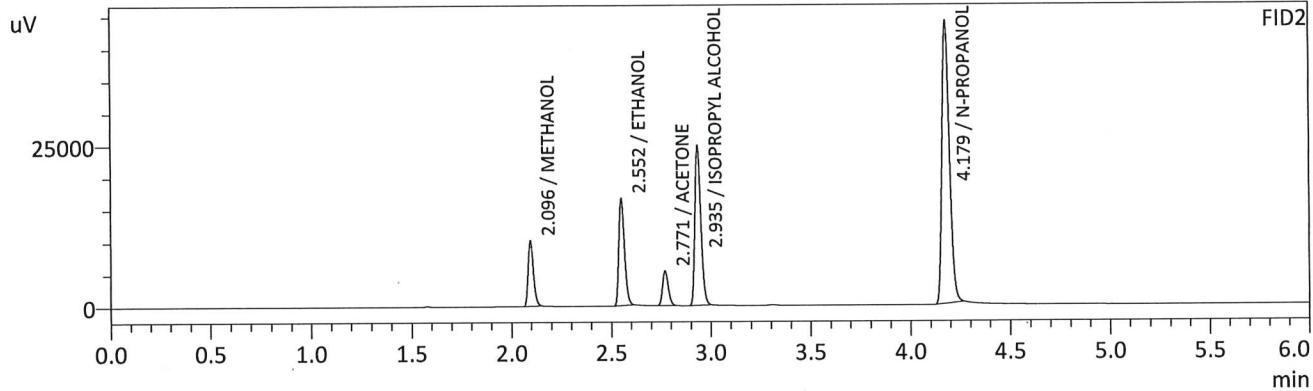
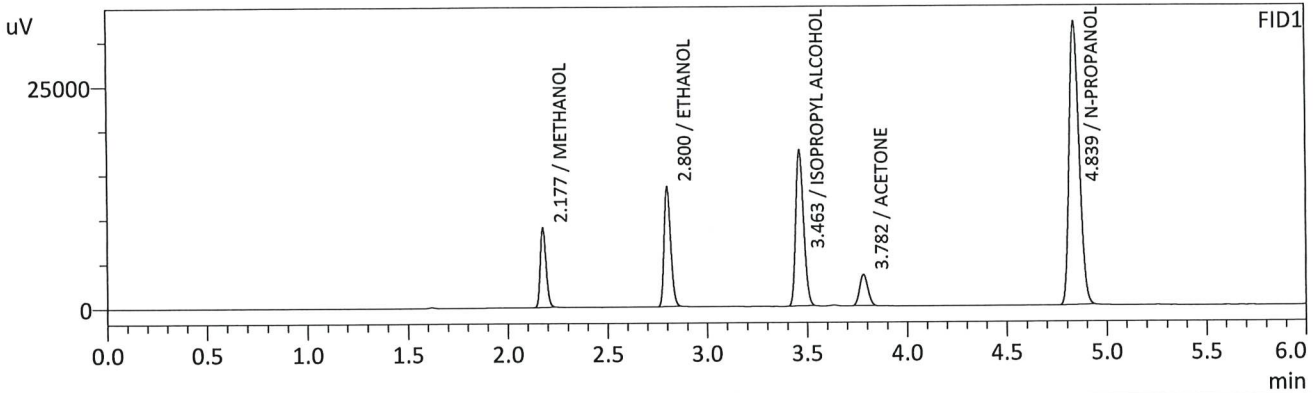
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171021	48502
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	178817	66870
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_372023_007.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:26:48 PM
 Date Processed : 3/7/2023 12:32:49 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

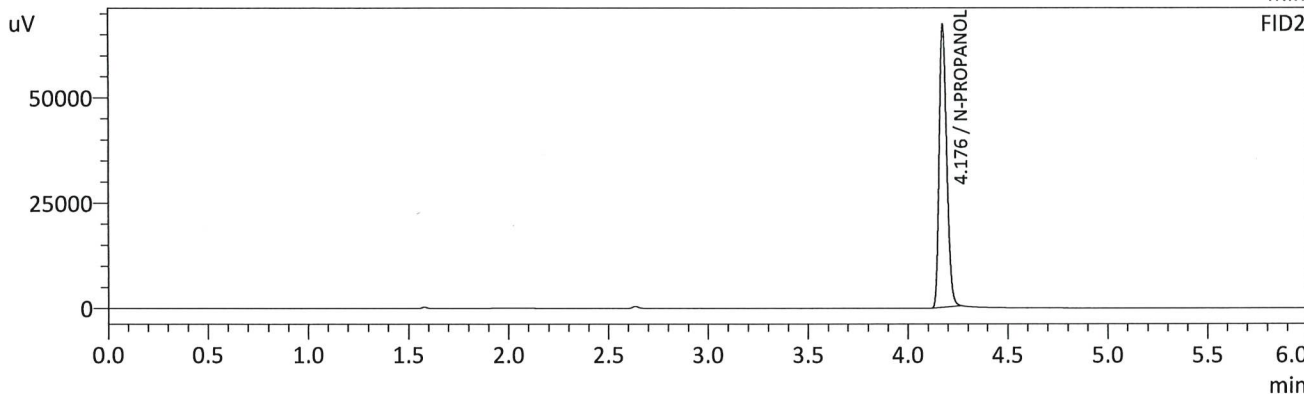
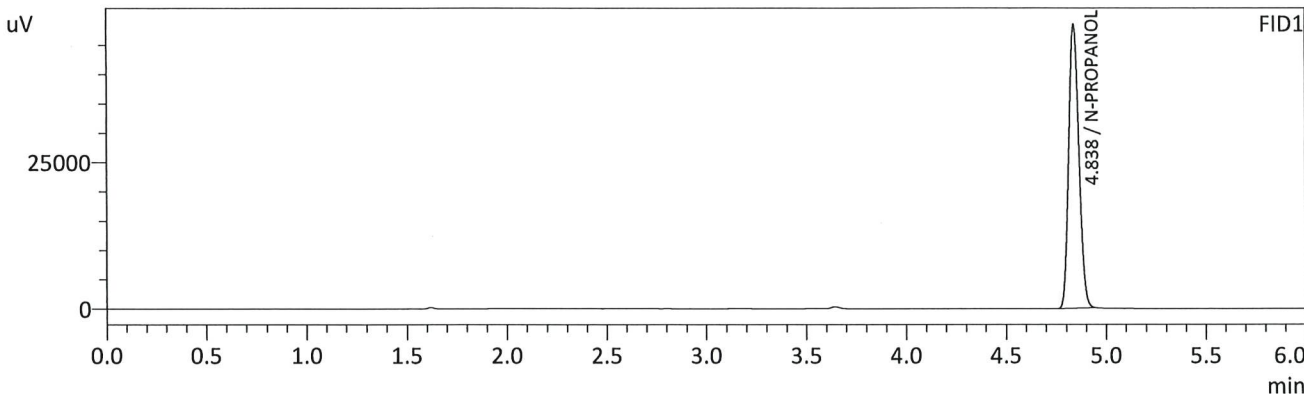
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17964	8913
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1451	g/100cc	30905	13294
ISOPROPYL ALCOHOL	0.0000	g/100cc	48516	17380
ACETONE	0.0000	g/100cc	9704	3455
N-PROPANOL	0.0000	g/100cc	110931	31736
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18852	10011
ETHANOL	0.1472	g/100cc	32605	16507
ACETONE	0.0000	g/100cc	10705	5367
ISOPROPYL ALCOHOL	0.0000	g/100cc	51775	24541
N-PROPANOL	0.0000	g/100cc	115130	43789
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_372023_008.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:36:19 PM
 Date Processed : 3/7/2023 12:42:20 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

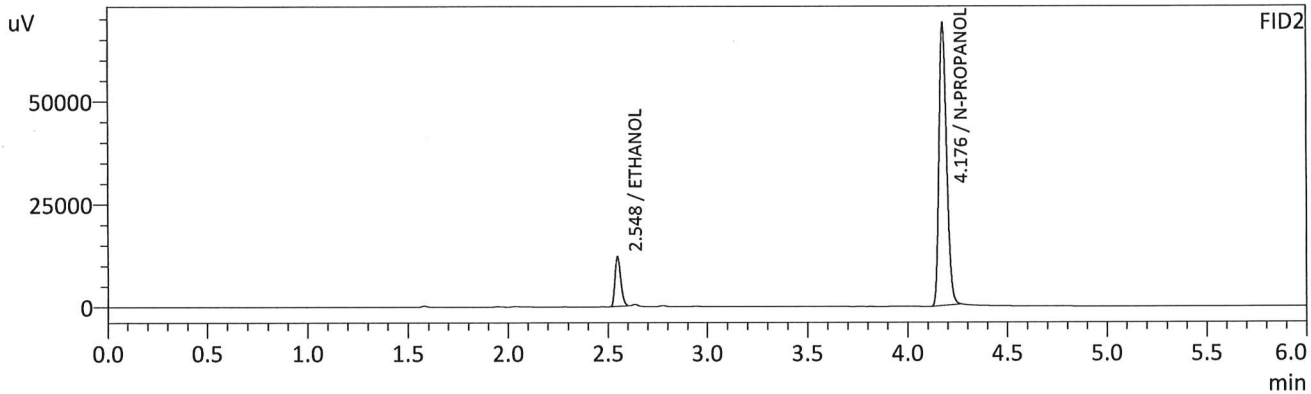
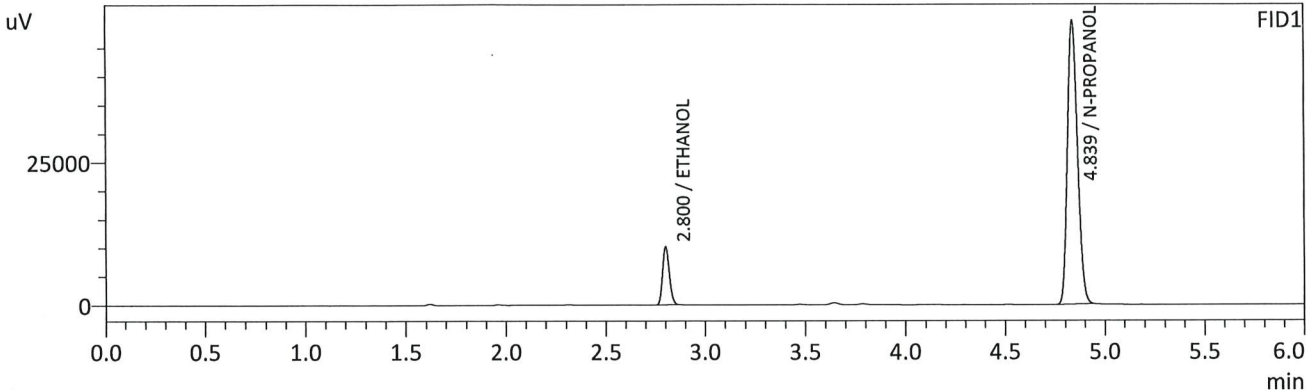
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170341	48382
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	177804	66959
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_372023_009.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:45:36 PM
 Date Processed : 3/7/2023 12:51:38 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

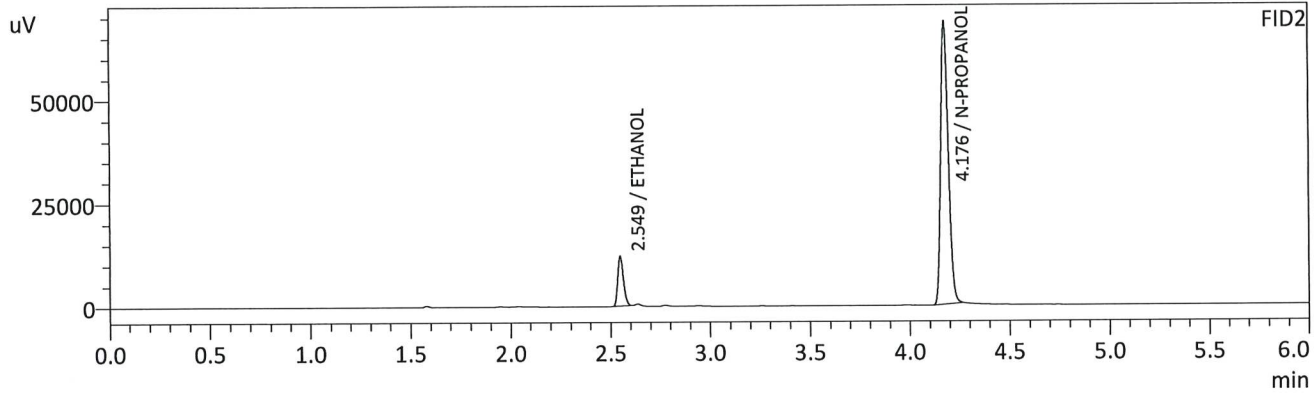
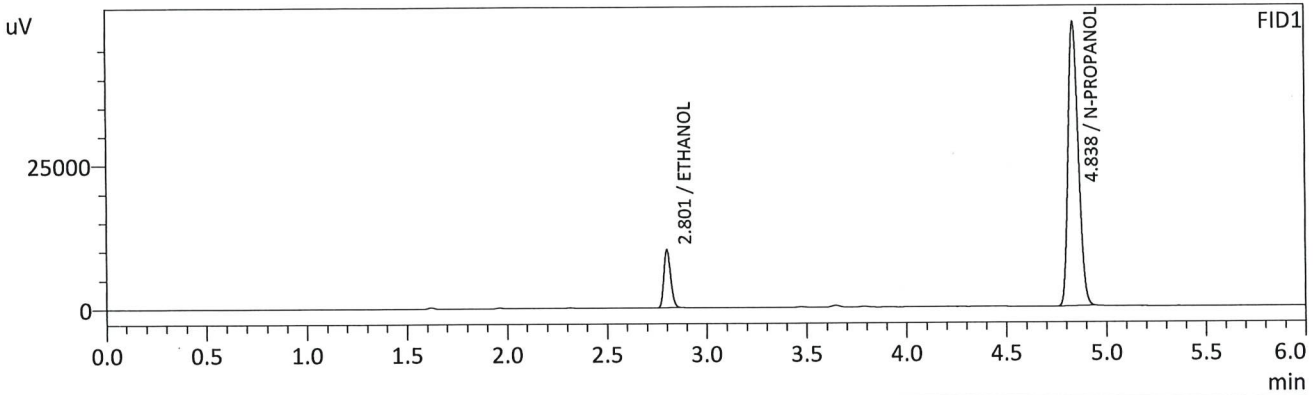
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0709	g/100cc	23732	10003
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174690	49534
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0707	g/100cc	24260	11929
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182310	68321
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_372023_010.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 12:55:22 PM
 Date Processed : 3/7/2023 1:01:22 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0710	g/100cc	23601	9965
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173431	49349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0708	g/100cc	24148	11914
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181171	68283
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Laboratory No: QC1-1		Analysis Date(s): 3/7/2023 12:45:36 PM(-07:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0709	0.0707	0.0002	0.0708	0.0001	0.0708
(g/100cc)	0.0710	0.0708	0.0002	0.0709		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030723_TS.gcm

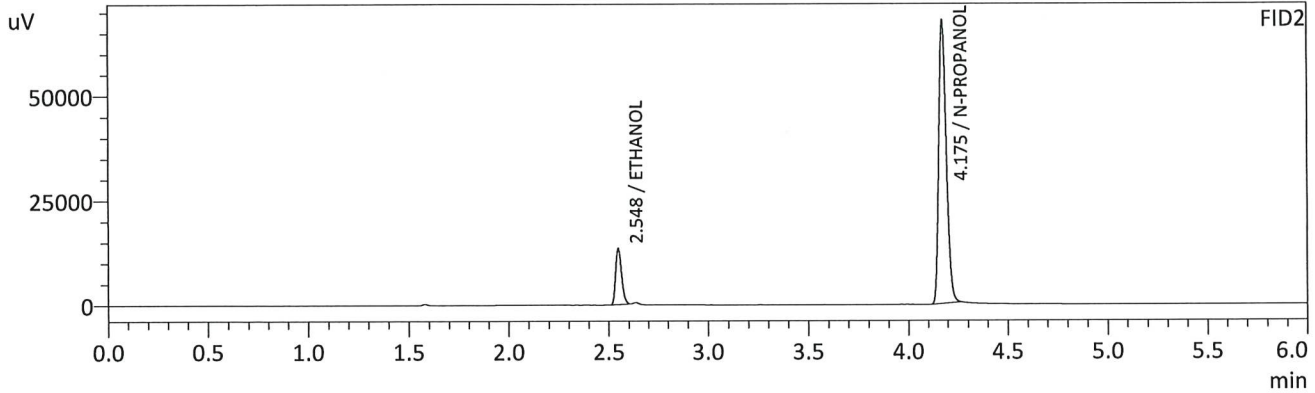
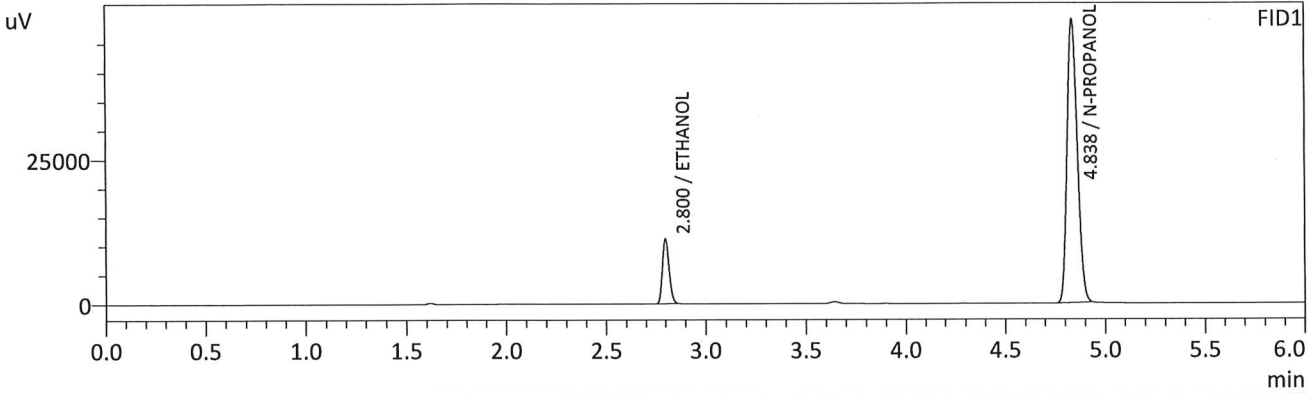
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.070	0.066	0.074	0.004

	Reported Results
	0.070

Calibration and control data are stored centrally.

TS

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_372023_011.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 1:04:53 PM
 Date Processed : 3/7/2023 1:10:55 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

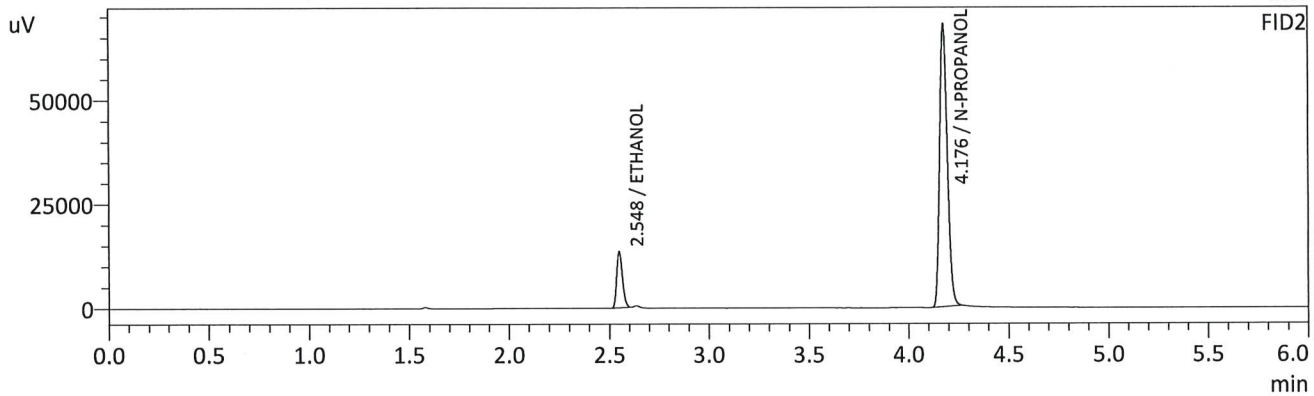
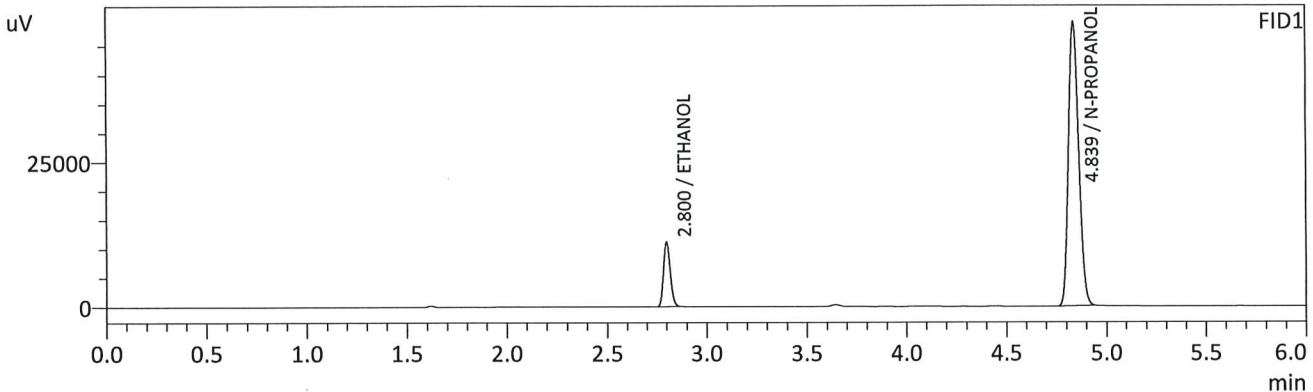
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	26151	11069
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171963	48918
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	26821	13277
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179757	67689
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TB

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_372023_012.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 1:14:10 PM
 Date Processed : 3/7/2023 1:20:11 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0792	g/100cc	26166	11054
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172222	48925
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	26829	13229
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179822	67677
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

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Laboratory No: 0.08 QA		Analysis Date(s): 3/7/2023 1:04:53 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0793	0.0789	0.0004	0.0791	0.0001	0.0790
(g/100cc)	0.0792	0.0789	0.0003	0.0790		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

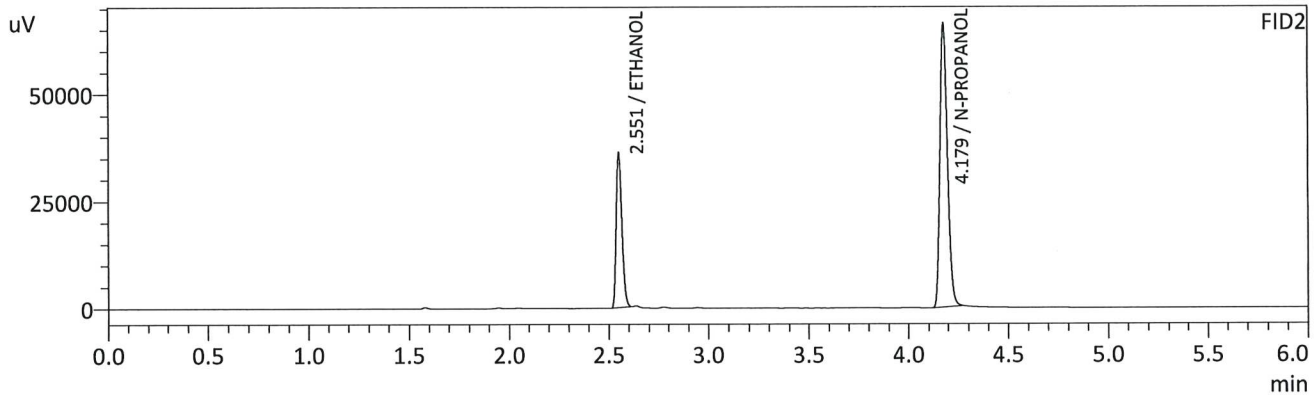
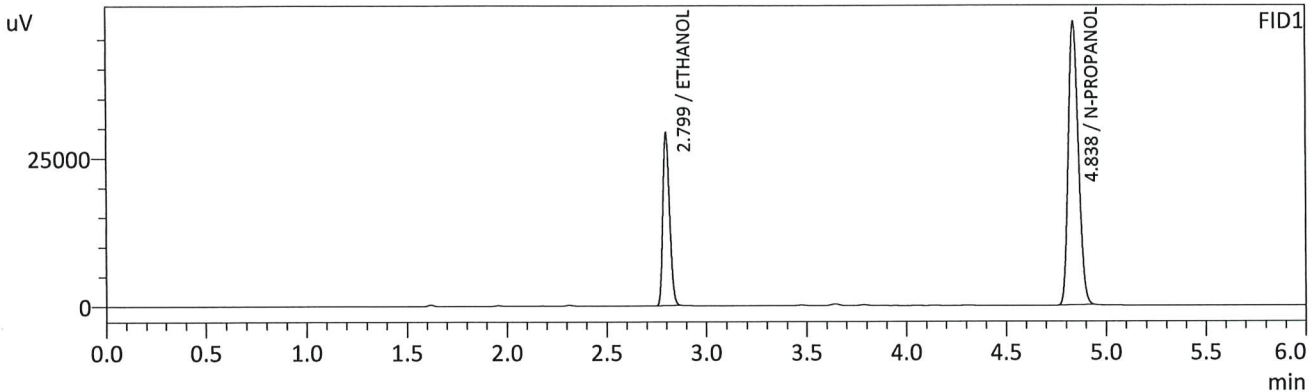
Refer To Instrument Method: ALCOHOL_030723_TS.gcm

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

	Reported Results
	0.079

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_372023_031.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 4:15:12 PM
 Date Processed : 3/7/2023 4:21:13 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



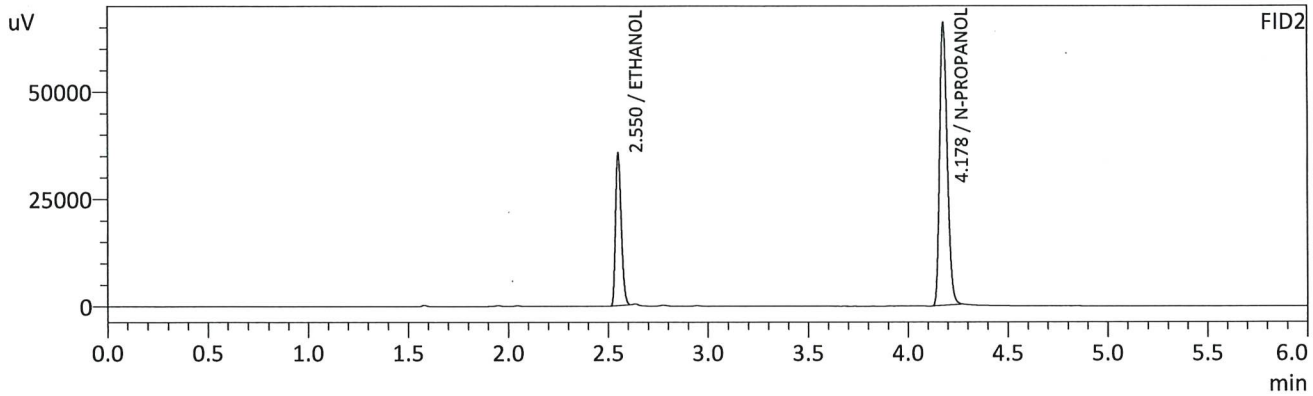
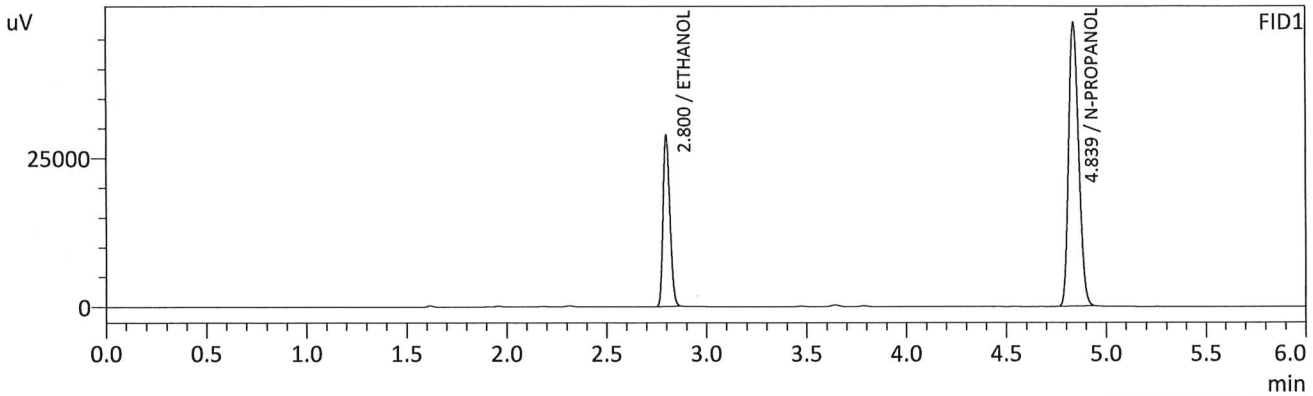
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2114	g/100cc	68191	29065
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167922	47723
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	71649	36088
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174929	66093
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_372023_032.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 4:24:44 PM
 Date Processed : 3/7/2023 4:30:45 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2087	g/100cc	67203	28593
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167584	47668
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2093	g/100cc	70671	35521
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174532	65717
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1			Analysis Date(s): 3/7/2023 4:15:12 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2114	0.2117	0.0003	0.2115	0.0025	0.2102
(g/100cc)	0.2087	0.2093	0.0006	0.2090		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030723_TS.gcm

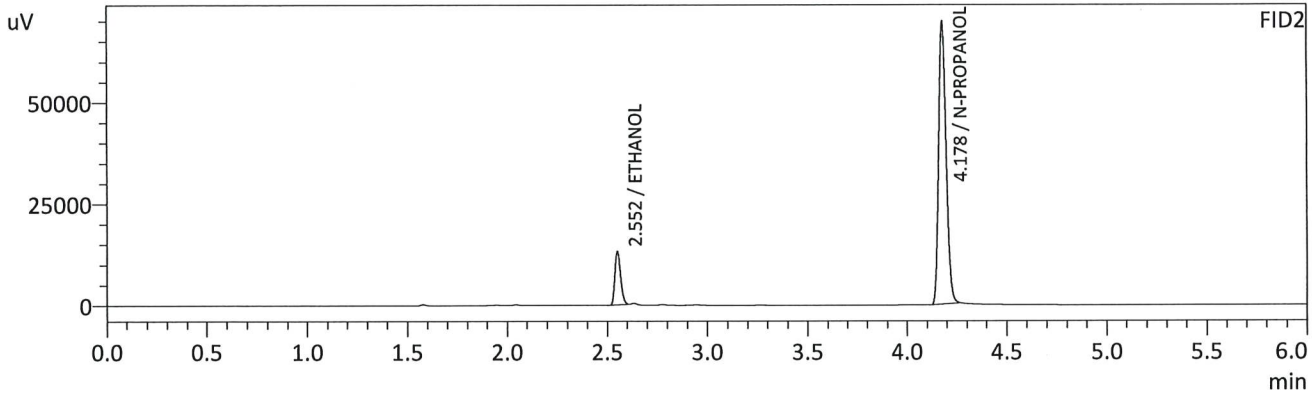
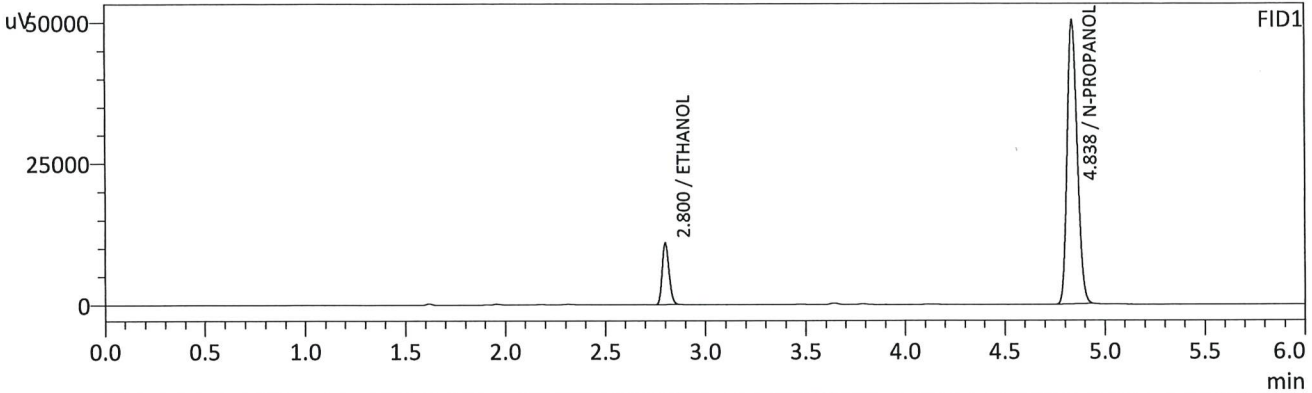
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.210	0.199	0.221	0.011

	Reported Results
	0.210

Calibration and control data are stored centrally.

B

Sample Name : QC1-2
 Vial # : 51
 Data Filename : QC1-2_372023_051.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 7:25:20 PM
 Date Processed : 3/7/2023 7:31:21 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

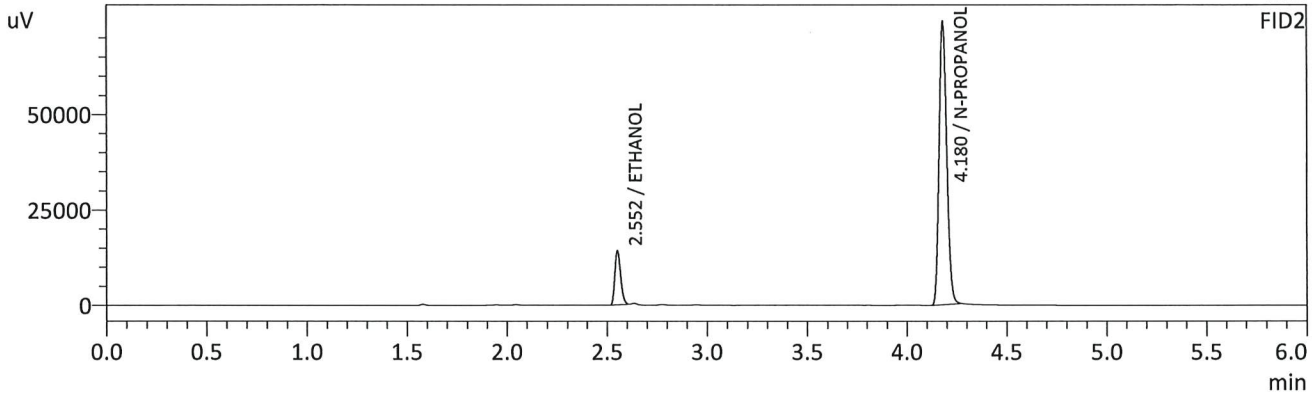
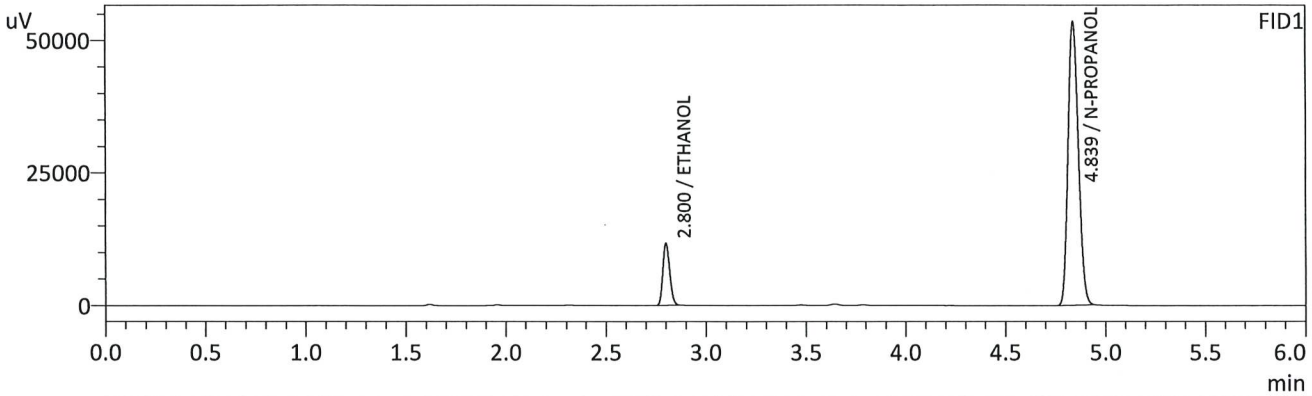
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0757	g/100cc	25499	10749
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175705	50232
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0758	g/100cc	26303	13121
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183694	69466
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B
 Vial # : 52
 Data Filename : QC1-2-B_372023_052.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 7:35:09 PM
 Date Processed : 3/7/2023 7:41:11 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0762	g/100cc	27429	11570
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187664	53388
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0764	g/100cc	28342	14109
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196460	74068
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			Analysis Date(s): 3/7/2023 7:25:20 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0758	0.0001	0.0757	0.0006	0.0760
(g/100cc)	0.0762	0.0764	0.0002	0.0763		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030723_TS.gcm

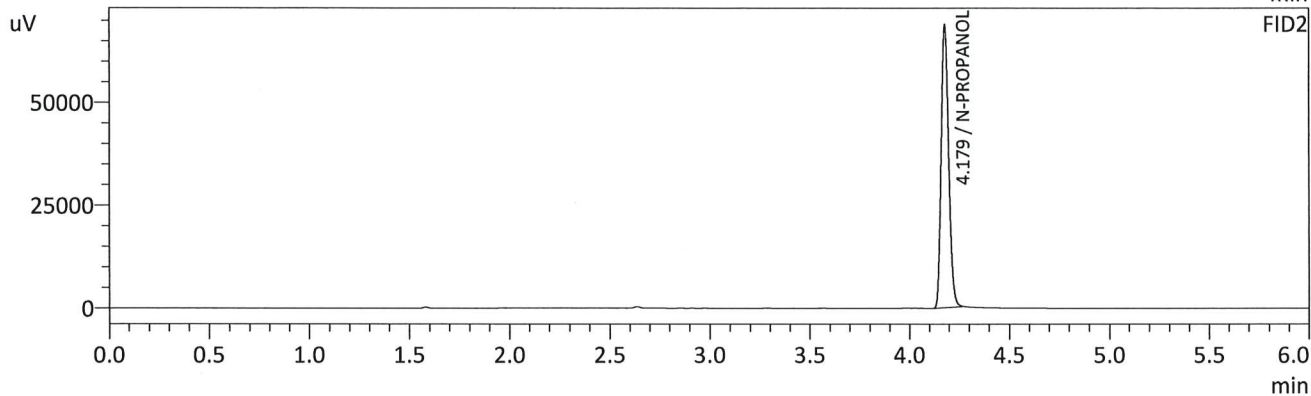
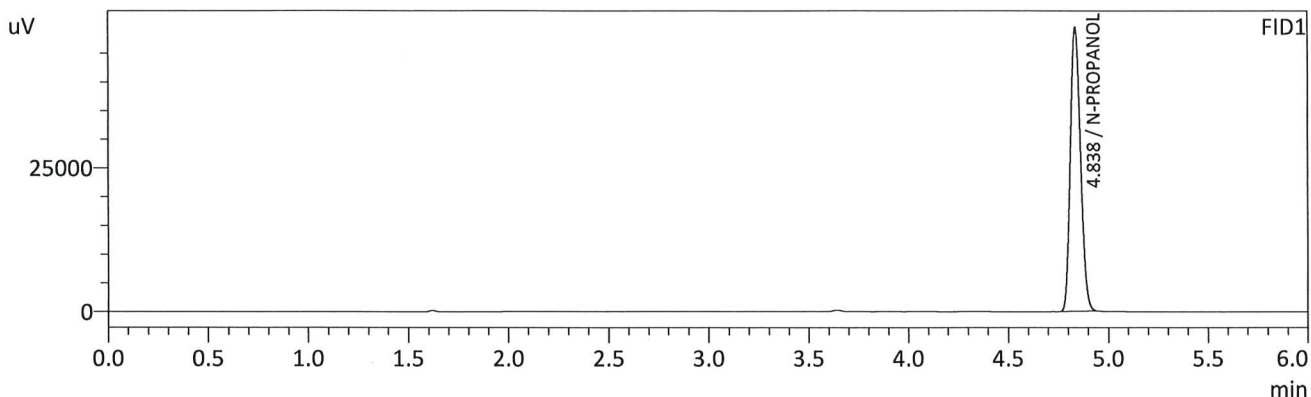
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.076	0.072	0.080	0.004

Reported Results	
0.076	

Calibration and control data are stored centrally.

TS

Sample Name : INT STD BLK 3
 Vial # : 53
 Data Filename : INT STD BLK 3_372023_053.gcd
 Method Filename : ALCOHOL_030723_TS.gcm
 Batch Filename : BATCH_030723_TS.gcb
 Date Acquired : 3/7/2023 7:44:35 PM
 Date Processed : 3/7/2023 7:50:37 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030723_TS.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	173257	49424
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	181745	68677
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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_030723_TS.gcm	1-99 - 0.050_372023_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL_030723_TS.gcm	1-100 - 0.100_372023_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL_030723_TS.gcm	1-101 - 0.200_372023_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL_030723_TS.gcm	1-102 - 0.300_372023_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL_030723_TS.gcm	1-103 - 0.500_372023_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL_030723_TS.gcm	1-104 - INT STD BLK 1_372023_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_030723_TS.gcm	1-105 - MULTI-COMP MIX_372023_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_030723_TS.gcm	1-106 - INT STD BLK 2_372023_008.gcd	0
9	QC1-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-107 - QC1-1_372023_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-108 - QC1-1-B_372023_010.gcd	0
11	0.08 QA	0:Unknown	ALCOHOL_030723_TS.gcm	1-109 - 0.08 QA_372023_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL_030723_TS.gcm	1-110 - 0.08 QA - B_372023_012.gcd	0
13	P2023-0497-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-111 - P2023-0497-1_372023_013.gcd	0
14	P2023-0497-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-112 - P2023-0497-1-B_372023_014.gcd	0
15	P2023-0505-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-113 - P2023-0505-1_372023_015.gcd	0
16	P2023-0505-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-114 - P2023-0505-1-B_372023_016.gcd	0
17	P2023-0506-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-115 - P2023-0506-1_372023_017.gcd	0
18	P2023-0506-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-116 - P2023-0506-1-B_372023_018.gcd	0
19	P2023-0507-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-117 - P2023-0507-1_372023_019.gcd	0
20	P2023-0507-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-118 - P2023-0507-1-B_372023_020.gcd	0
21	P2023-0508-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-119 - P2023-0508-1_372023_021.gcd	0
22	P2023-0508-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-120 - P2023-0508-1-B_372023_022.gcd	0
23	P2023-0533-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-121 - P2023-0533-1_372023_023.gcd	0
24	P2023-0533-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-122 - P2023-0533-1-B_372023_024.gcd	0
25	P2023-0534-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-123 - P2023-0534-1_372023_025.gcd	0
26	P2023-0534-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-124 - P2023-0534-1-B_372023_026.gcd	0
27	P2023-0535-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-125 - P2023-0535-1_372023_027.gcd	0
28	P2023-0535-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-126 - P2023-0535-1-B_372023_028.gcd	0
29	P2023-0536-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-127 - P2023-0536-1_372023_029.gcd	0
30	P2023-0536-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-128 - P2023-0536-1-B_372023_030.gcd	0
31	QC2-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-129 - QC2-1_372023_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-130 - QC2-1-B_372023_032.gcd	0
33	P2023-0537-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-131 - P2023-0537-1_372023_033.gcd	0
34	P2023-0537-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-132 - P2023-0537-1-B_372023_034.gcd	0
35	P2023-0543-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-133 - P2023-0543-1_372023_035.gcd	0
36	P2023-0543-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-134 - P2023-0543-1-B_372023_036.gcd	0
37	P2023-0544-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-135 - P2023-0544-1_372023_037.gcd	0
38	P2023-0544-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-136 - P2023-0544-1-B_372023_038.gcd	0
39	P2023-0545-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-137 - P2023-0545-1_372023_039.gcd	0
40	P2023-0545-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-138 - P2023-0545-1-B_372023_040.gcd	0
41	P2023-0546-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-139 - P2023-0546-1_372023_041.gcd	0
42	P2023-0546-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-140 - P2023-0546-1-B_372023_042.gcd	0
43	P2023-0563-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-141 - P2023-0563-1_372023_043.gcd	0
44	P2023-0563-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-142 - P2023-0563-1-B_372023_044.gcd	0
45	P2023-0567-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-143 - P2023-0567-1_372023_045.gcd	0
46	P2023-0567-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-144 - P2023-0567-1-B_372023_046.gcd	0
47	P2023-0585-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-145 - P2023-0585-1_372023_047.gcd	0
48	P2023-0585-1B	0:Unknown	ALCOHOL_030723_TS.gcm	1-146 - P2023-0585-1B_372023_048.gcd	0
49	P2023-0586-1	0:Unknown	ALCOHOL_030723_TS.gcm	1-147 - P2023-0586-1_372023_049.gcd	0
50	P2023-0586-1-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-148 - P2023-0586-1-B_372023_050.gcd	0
51	QC1-2	0:Unknown	ALCOHOL_030723_TS.gcm	1-149 - QC1-2_372023_051.gcd	0
52	QC1-2-B	0:Unknown	ALCOHOL_030723_TS.gcm	1-150 - QC1-2-B_372023_052.gcd	0
53	INT STD BLK 3	0:Unknown	ALCOHOL_030723_TS.gcm	1-151 - INT STD BLK 3_372023_053.gcd	0