

Worklist: 6360

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
P2023-1007	1	UCK	Alcohol Analysis	
P2023-1098	1	BCK	Alcohol Analysis	
P2023-1100	1	BCK	Alcohol Analysis	
P2023-1101	1	BCK	Alcohol Analysis	
P2023-1118	2	BCK	Alcohol Analysis	
P2023-1136	1	BCK	Alcohol Analysis	
P2023-1137	1	BCK	Alcohol Analysis	
P2023-1147	1	BCK	Alcohol Analysis	
P2023-1150	1	BCK	Alcohol Analysis	
P2023-1153	1	BCK	Alcohol Analysis	
P2023-1154	1	BCK	Alcohol Analysis	
P2023-1155	1	BCK	Alcohol Analysis	
P2023-1180	1	BCK	Alcohol Analysis	
P2023-1181	1	BCK	Alcohol Analysis	
P2023-1182	1	BCK	Alcohol Analysis	
P2023-1188	1	BCK	Alcohol Analysis	
P2023-1189	1	BCK	Alcohol Analysis	
P2023-1195	1	BCK	Alcohol Analysis	
P2023-1196	1	BCK	Alcohol Analysis	
P2023-1203	1	BCK	Alcohol Analysis	
P2023-1227	1	BCK	Alcohol Analysis	



Worklist: 6360

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-1228	1	BCK	Alcohol Analysis
P2023-1229	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): 05-05-2023

Calibration Date: (if different) :

Worklist #: 6360

Control level	Expiration	Lot #		Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006		0.0764	0.0688-0.0840	0.0746 g/100cc	
						0.0820 g/100cc	
						g/100cc	
Level 2	Jul-23	1907007		0.2170	0.1953-0.2387	0.2203 g/100cc	
						0.2303 g/100cc	
						g/100cc	
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK		
Curve Fit:				Column 1	0.99997	Column2	0.99984

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	0.0526	0.0019	0.0516
100	0.100	0.090 - 0.110	0.1003	0.0997	0.0006	0.1
200	0.200	0.180 - 0.220	0.1990	0.1973	0.0017	0.1981
300	0.300	0.270 - 0.330	0.2992	0.2984	0.0008	0.2988
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5007	0.5017	0.001	0.5012

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 #:	6360	Run Date(s):	05-05-2023
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Internal Standard Solution:	Prep Date: 5/5/2023	Exp Date: 11/5/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	183236	186210
0.080	184592	187799
QC1	187867	191020
QC1	187316	190667
QC1	185859	191573
QC1	199337	205317
QC1		
QC1		
QC2	181236	185320
QC2	183524	187961
QC2	193340	198430
QC2	196605	201714
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	188291.2	150633.0	225949.4
Column 2	192601.1	154080.9	231121.3

SPC

Calibration Table

Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

<<Data File>>
 Method File :Default Project - ALCOHOL_05052023_RC.gcm
 Batch File :Default Project - BATCH_05052023_RC.gcb
 Date Acquired :5/5/2023 3:28:46 PM
 Date Created :5/5/2023 3:25:19 PM
 Date Modified :5/6/2023 8:50:58 AM



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

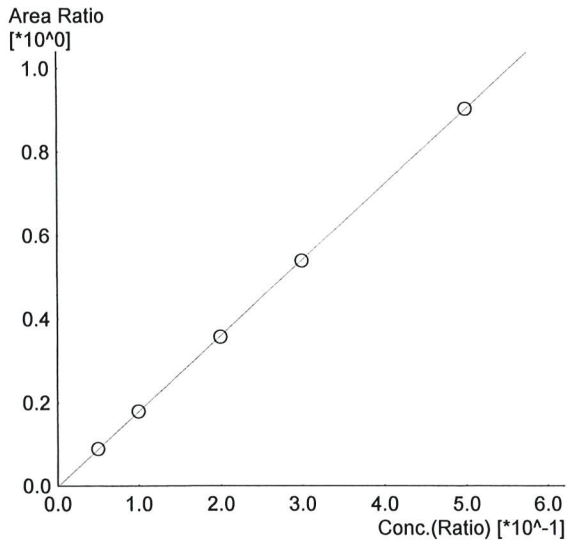
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.80878*x-0.00270055$
 R² value= 0.9999793 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16195	0.0507	0.050_552023_001.gcd
2	0.100	33083	0.1003	0.100_552023_002.gcd
3	0.200	67204	0.1990	0.200_552023_003.gcd
4	0.300	101025	0.2992	0.300_552023_004.gcd
5	0.500	171415	0.5007	0.500_552023_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

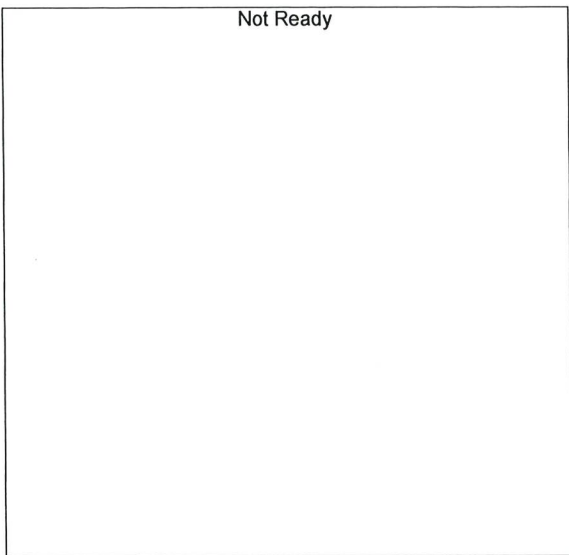
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

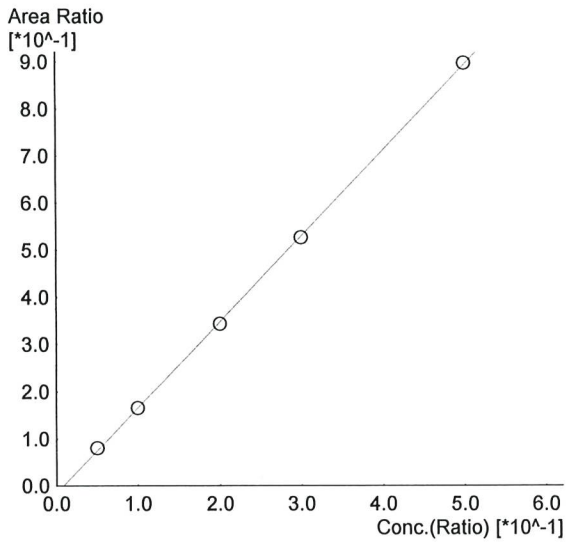
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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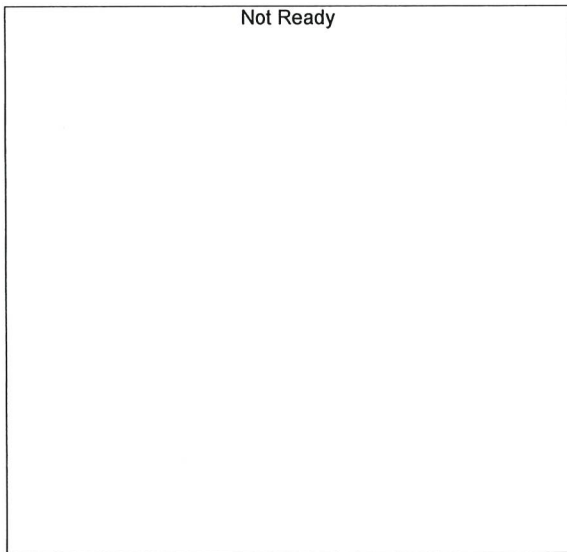
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.81799*x-0.0159150$
 R² value= 0.9998467 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14776	0.0526	0.050_552023_001.gcd
2	0.100	31155	0.0997	0.100_552023_002.gcd
3	0.200	65469	0.1973	0.200_552023_003.gcd
4	0.300	99860	0.2984	0.300_552023_004.gcd
5	0.500	172051	0.5017	0.500_552023_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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RC

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

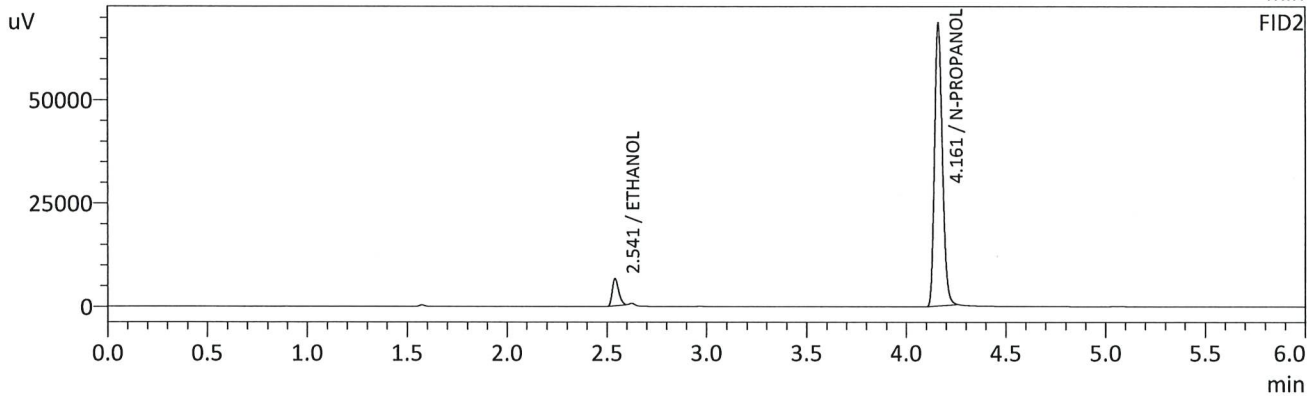
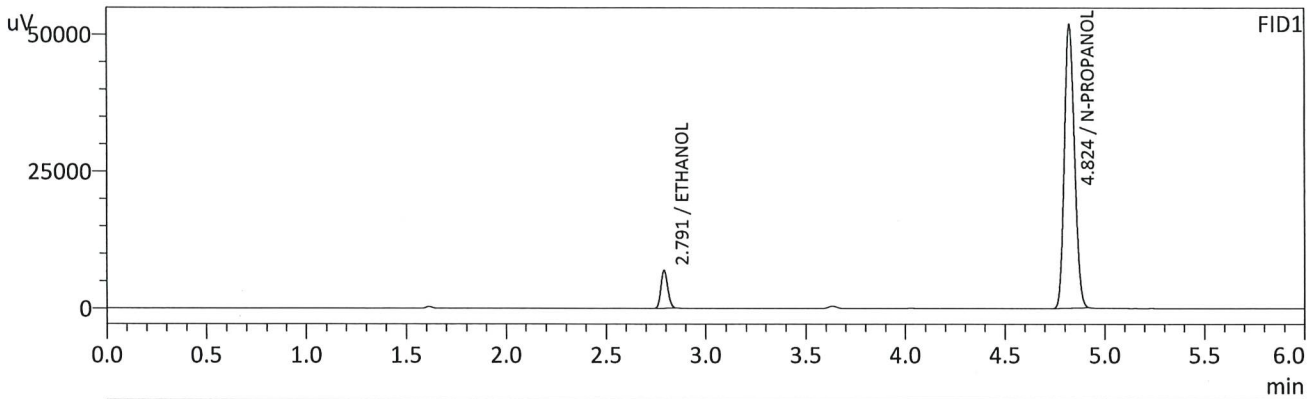
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_552023_001.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 2:50:40 PM
 Date Processed : 5/6/2023 8:50:45 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

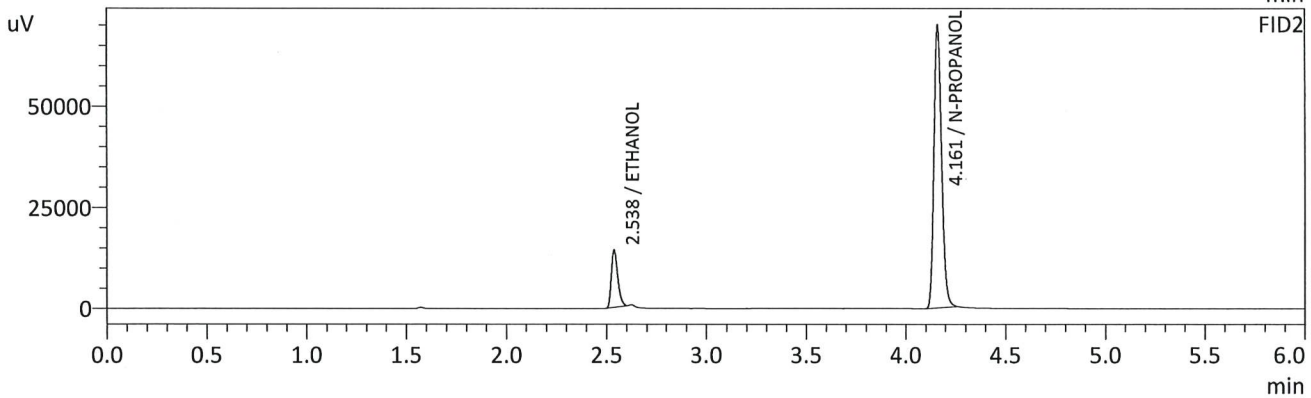
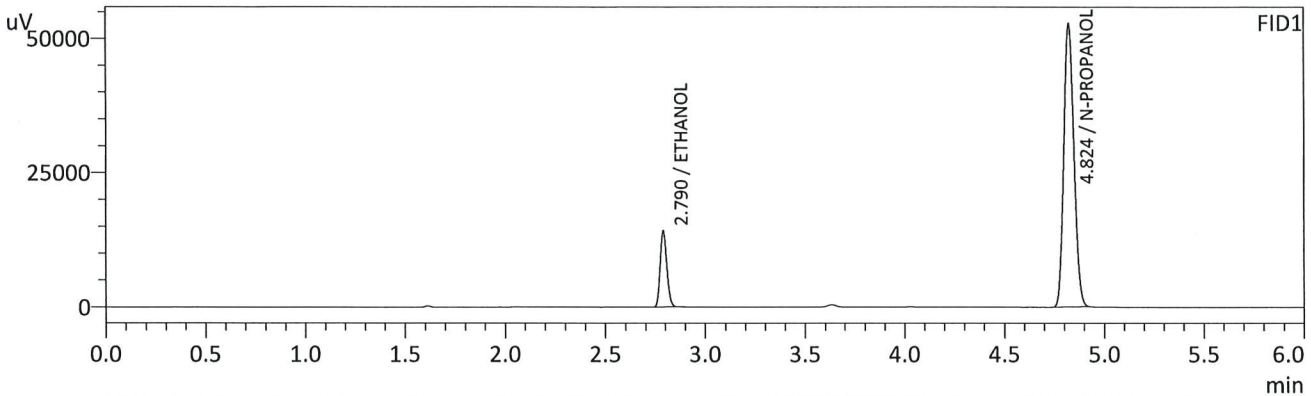
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0507	g/100cc	16195	6841
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181918	51803
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0526	g/100cc	14776	6540
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185099	68428
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_552023_002.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:00:09 PM
 Date Processed : 5/6/2023 8:50:49 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

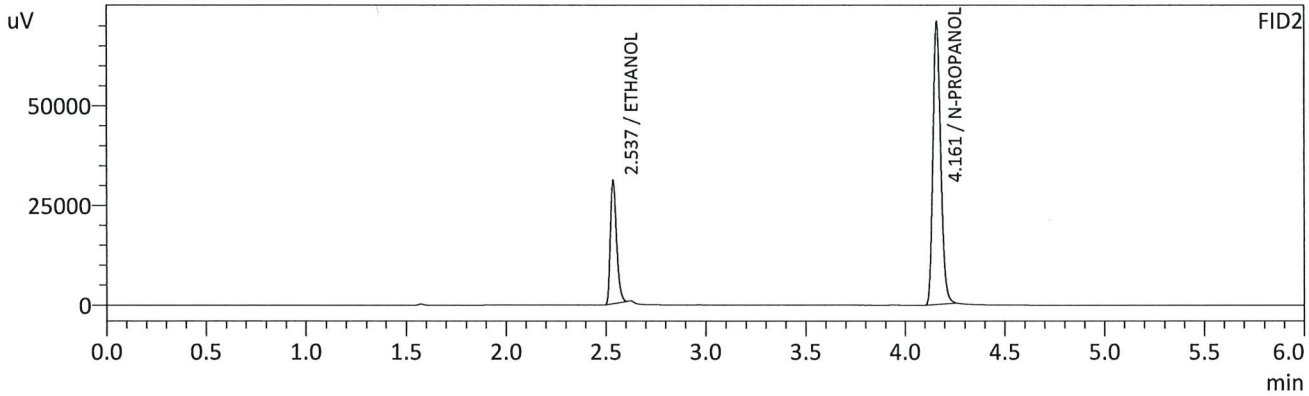
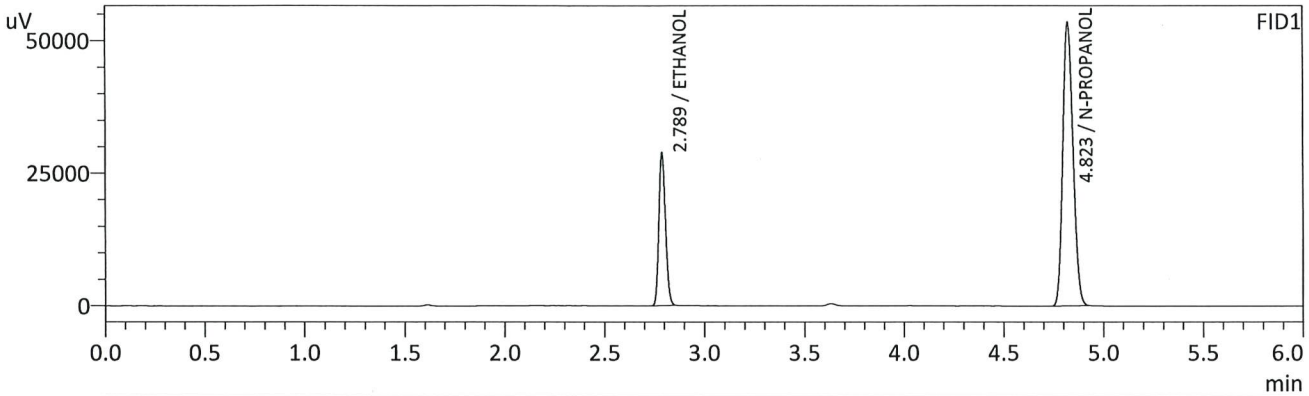
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	33083	14094
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185089	52788
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0997	g/100cc	31155	14171
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188322	69826
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_552023_003.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:09:30 PM
 Date Processed : 5/6/2023 8:50:52 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

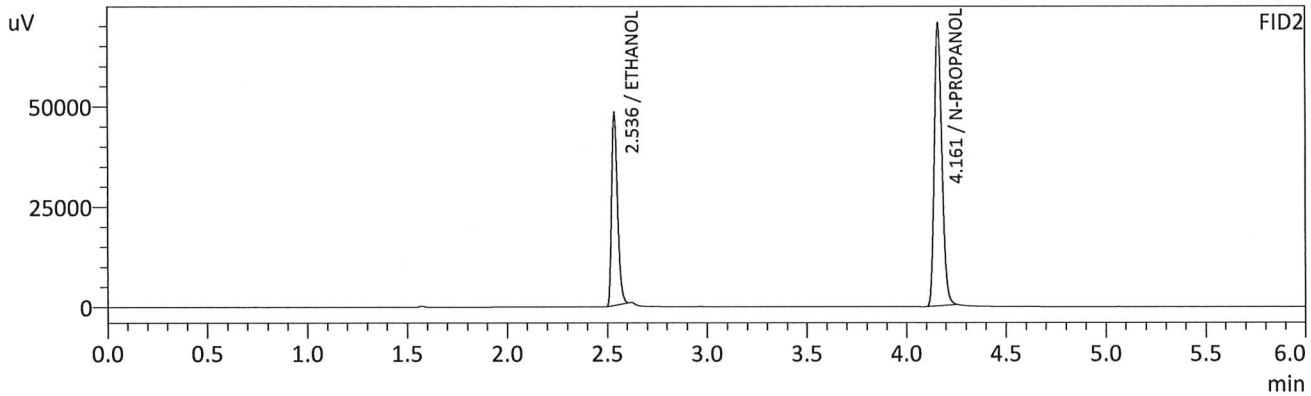
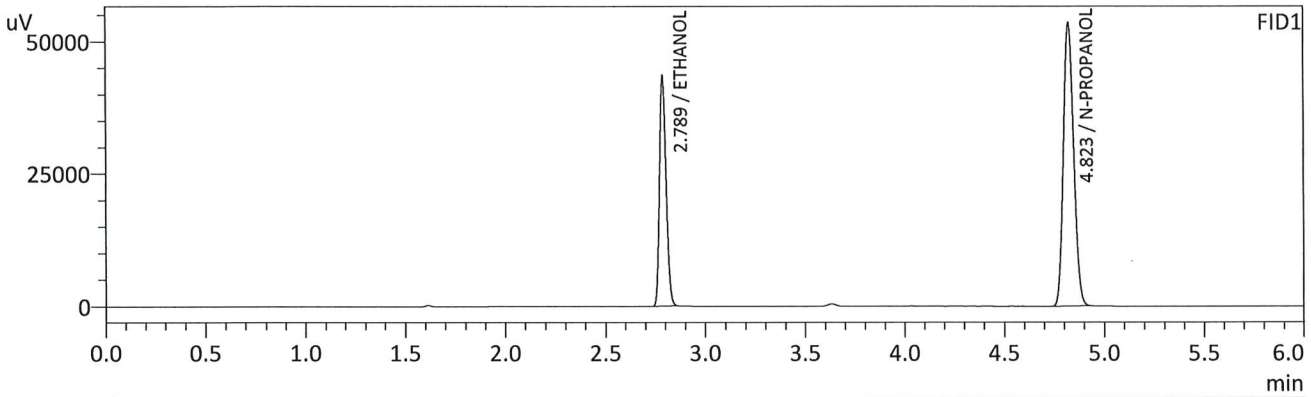
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1990	g/100cc	67204	28766
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188083	53467
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1973	g/100cc	65469	30918
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190918	70815
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_552023_004.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:19:16 PM
 Date Processed : 5/6/2023 8:50:55 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

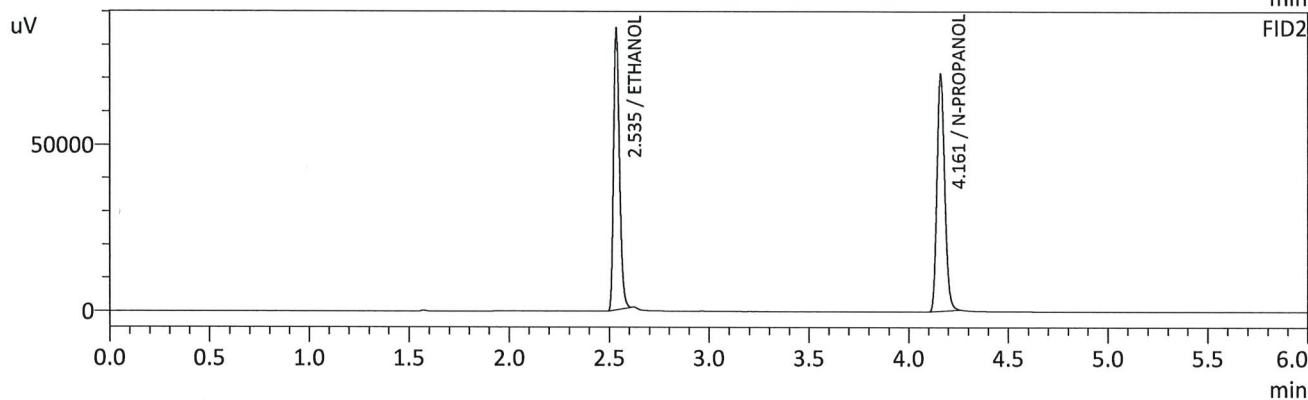
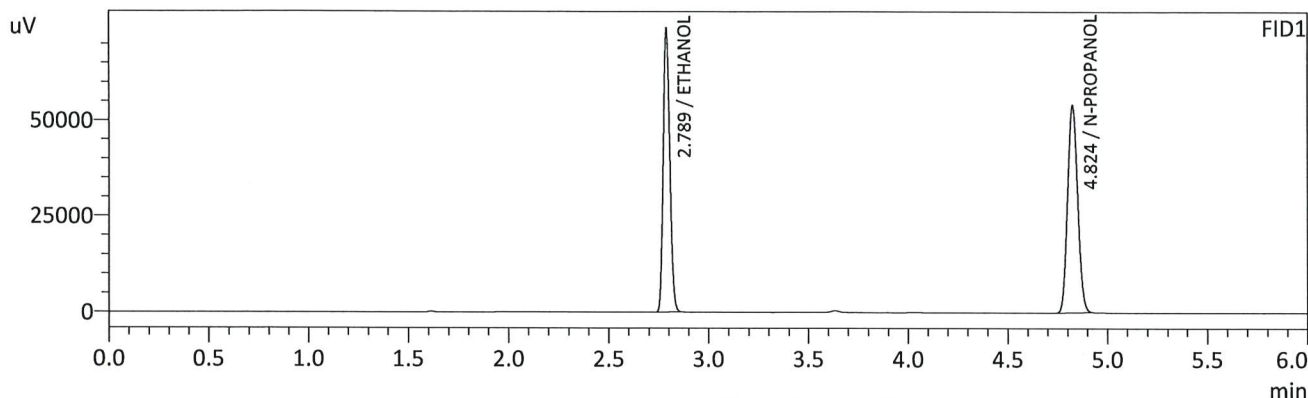
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2992	g/100cc	101025	43420
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187592	53462
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	99860	47892
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189619	70460
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_552023_005.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:28:46 PM
 Date Processed : 5/6/2023 8:50:58 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

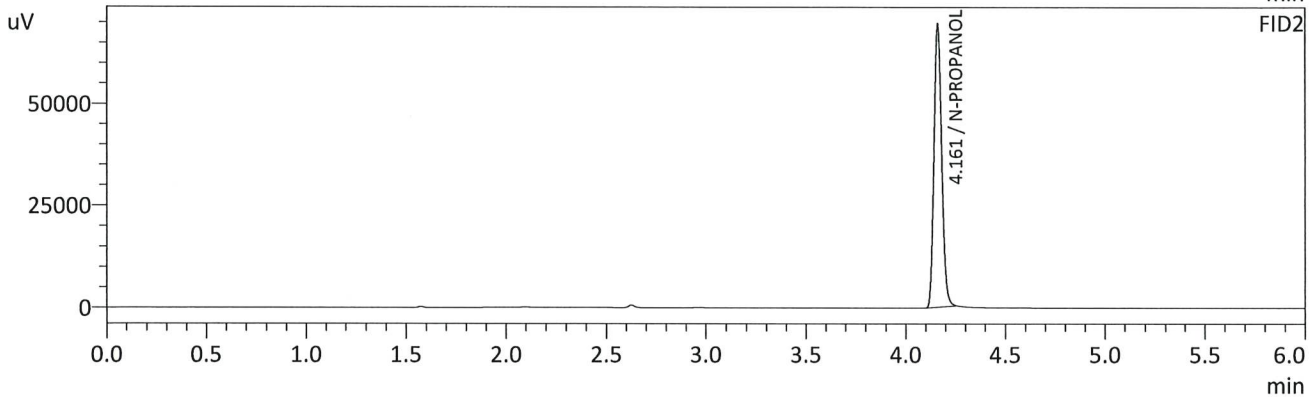
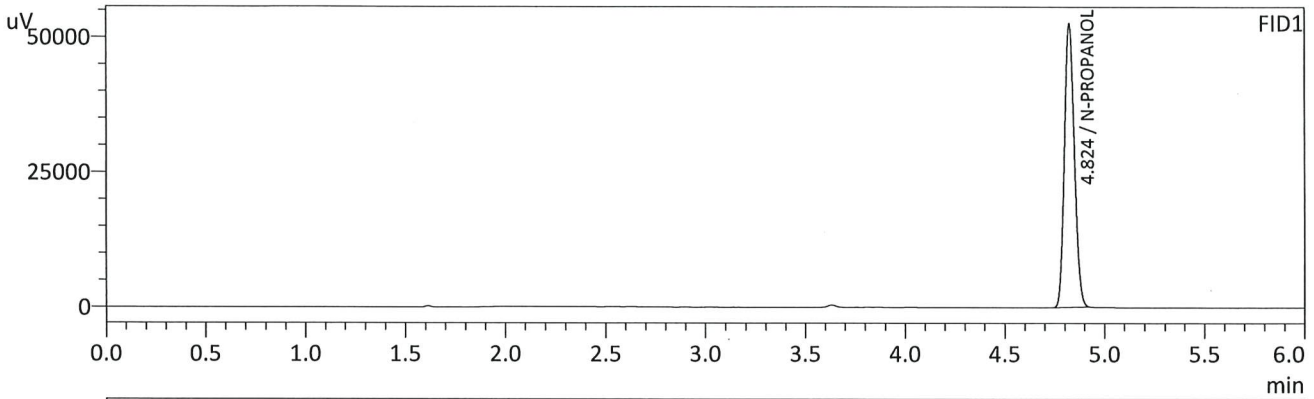
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5007	g/100cc	171415	73975
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189832	54056
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	172051	84032
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191956	71117
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_552023_006.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:38:04 PM
 Date Processed : 5/5/2023 3:44:06 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

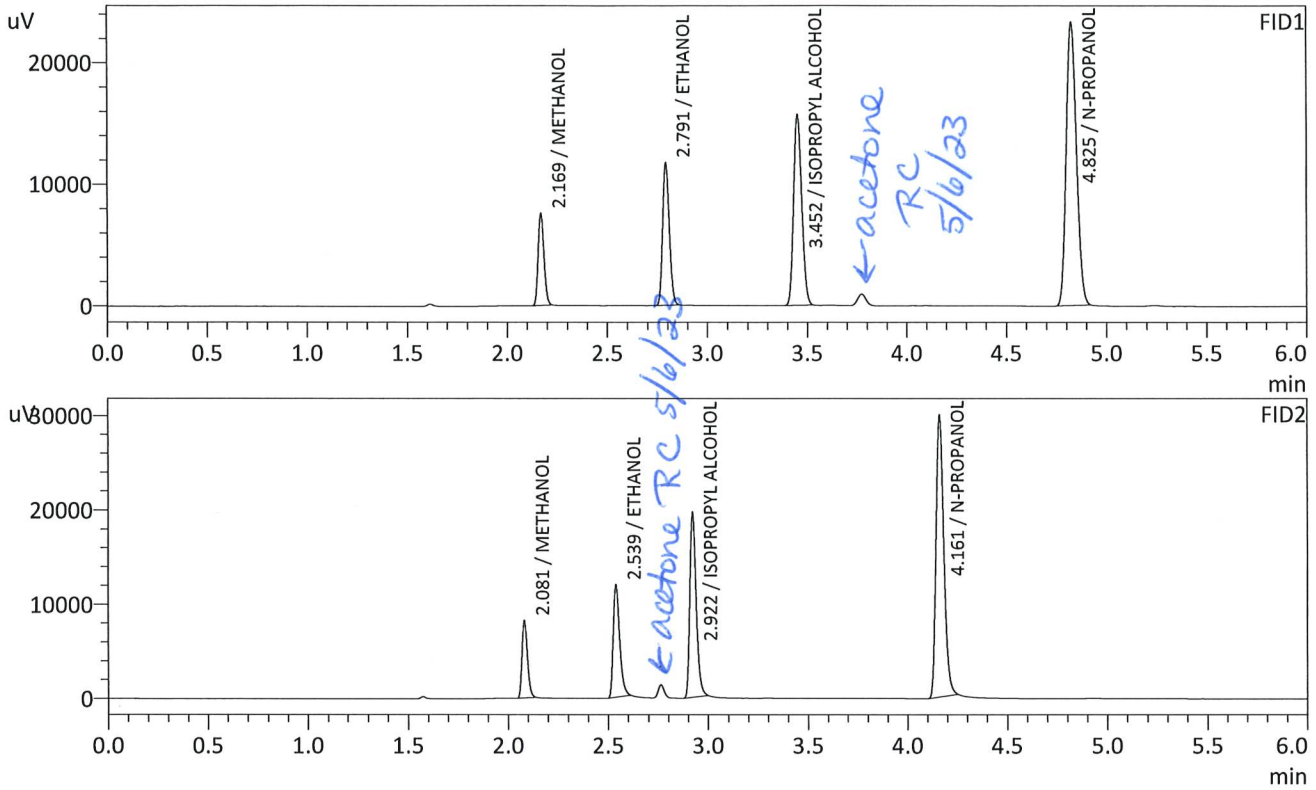
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184185	52516
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	187332	69492
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_552023_007.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:47:49 PM
 Date Processed : 5/5/2023 3:53:51 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

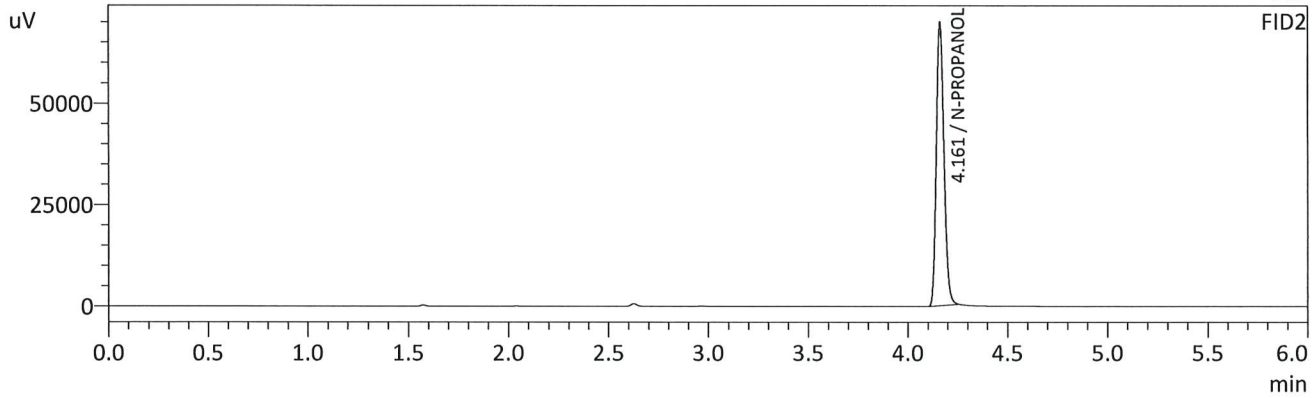
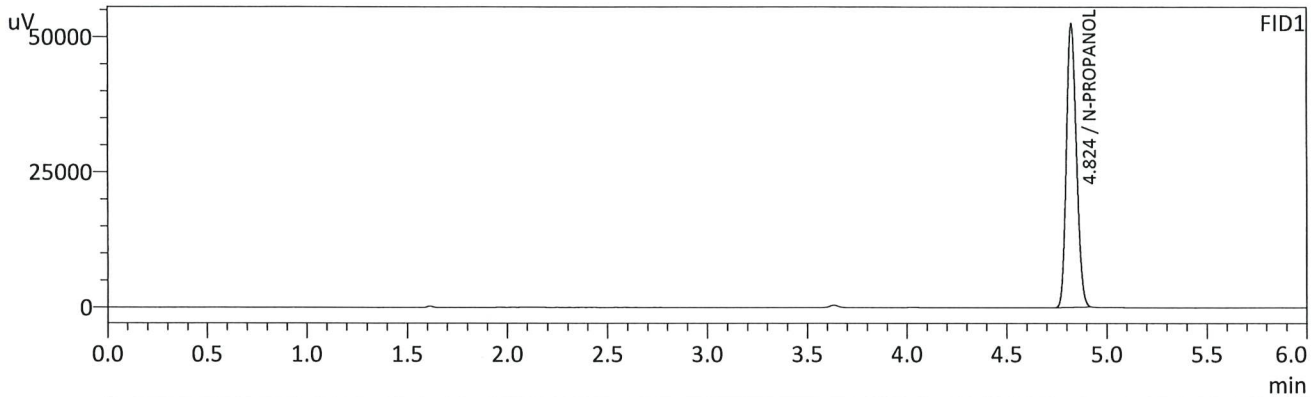
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	15246	7533
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1848	g/100cc	27261	11602
ISOPROPYL ALCOHOL	0.0000	g/100cc	43999	15654
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	82219	23240
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	15384	8099
ETHANOL	0.1857	g/100cc	26252	11748
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	0.0000	g/100cc	43805	19331
N-PROPANOL	0.0000	g/100cc	81577	29859
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_552023_008.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 3:57:21 PM
 Date Processed : 5/5/2023 4:03:21 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_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	184198	52406
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	187283	69771
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1			Analysis Date(s): 5/5/2023 4:06:37 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0745	0.0747	0.0002	0.0746	0.0000	0.0746
(g/100cc)	0.0745	0.0748	0.0003	0.0746		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

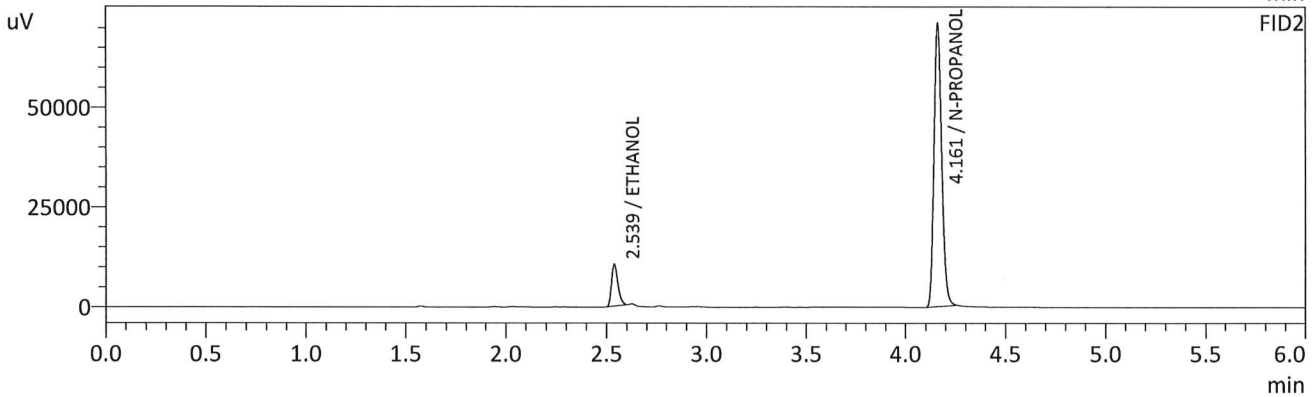
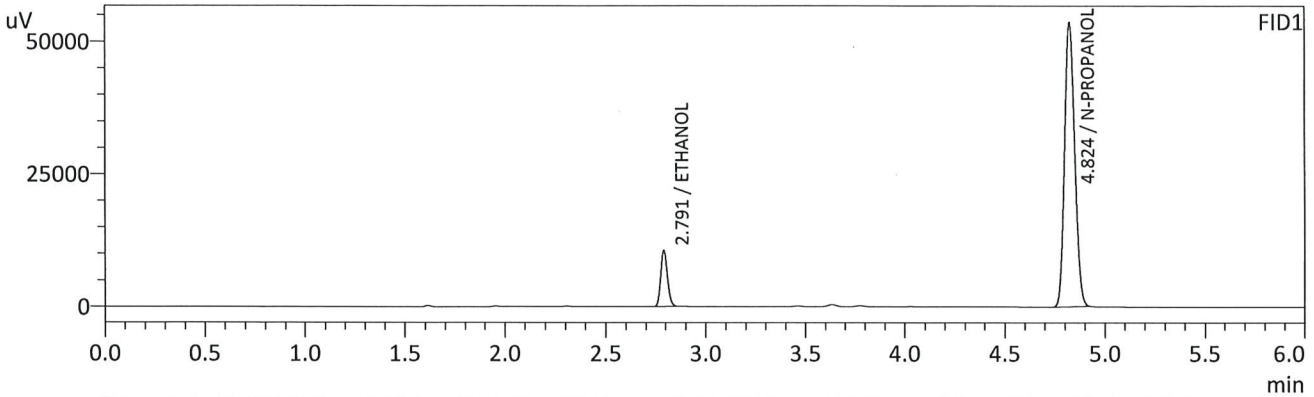
Refer To Instrument Method: ALCOHOL_05052023_RC.gcm

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

	Reported Results
	0.074

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_552023_009.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 4:06:37 PM
 Date Processed : 5/5/2023 4:12:39 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

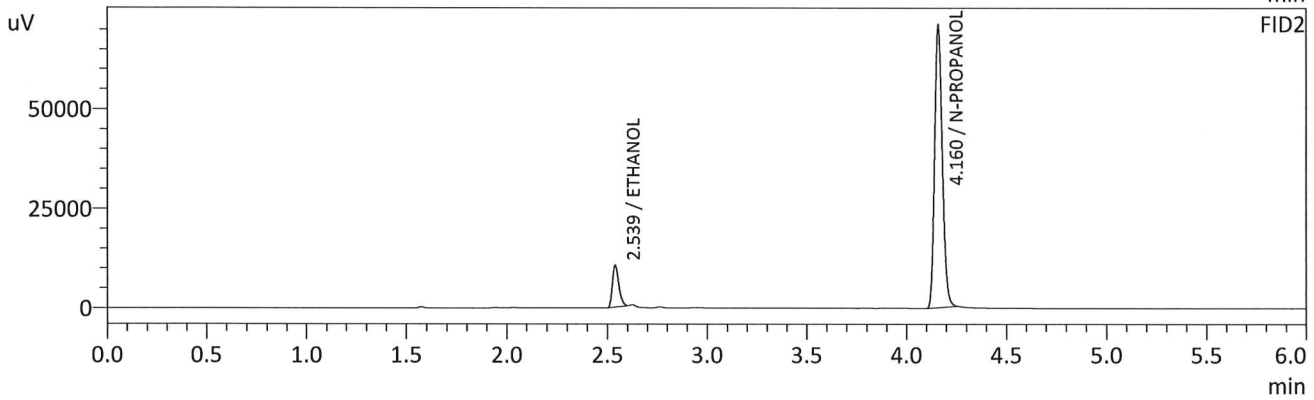
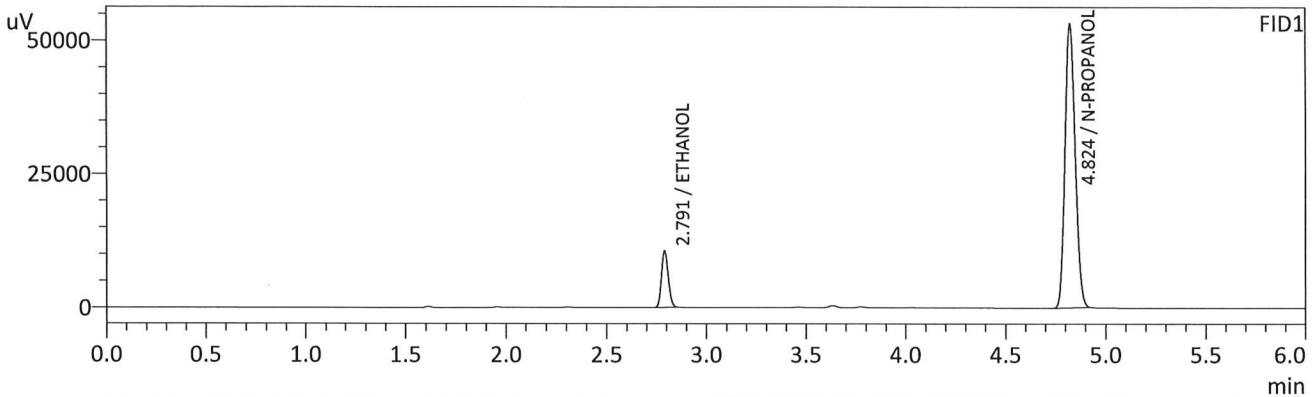
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	24810	10456
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187867	53525
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	22932	10355
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191020	71006
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_552023_010.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 4:16:22 PM
 Date Processed : 5/5/2023 4:22:24 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	24736	10445
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187316	53164
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0748	g/100cc	22896	10368
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190667	71028
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 5/5/2023 4:25:53 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0809	0.0000	0.0809	0.0001	0.0809
(g/100cc)	0.0811	0.0810	0.0001	0.0810		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

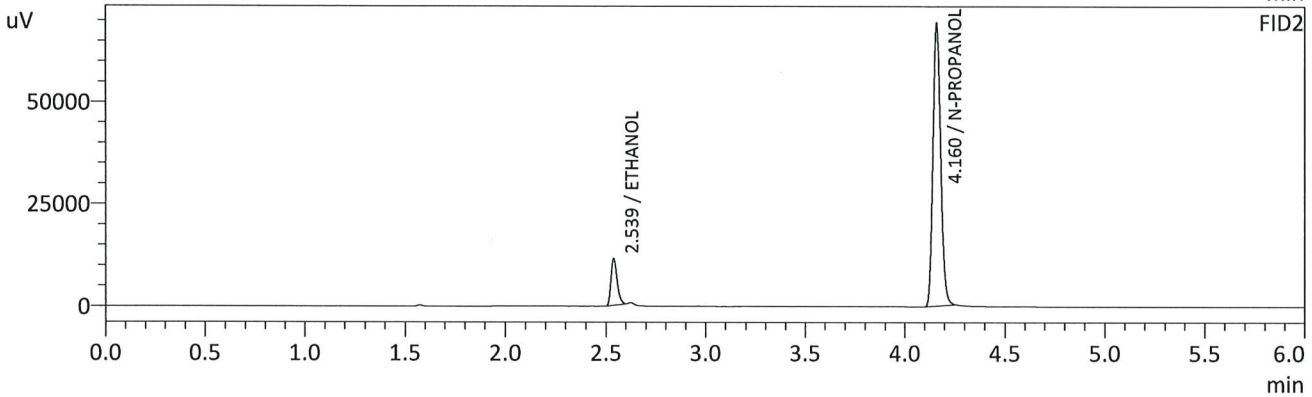
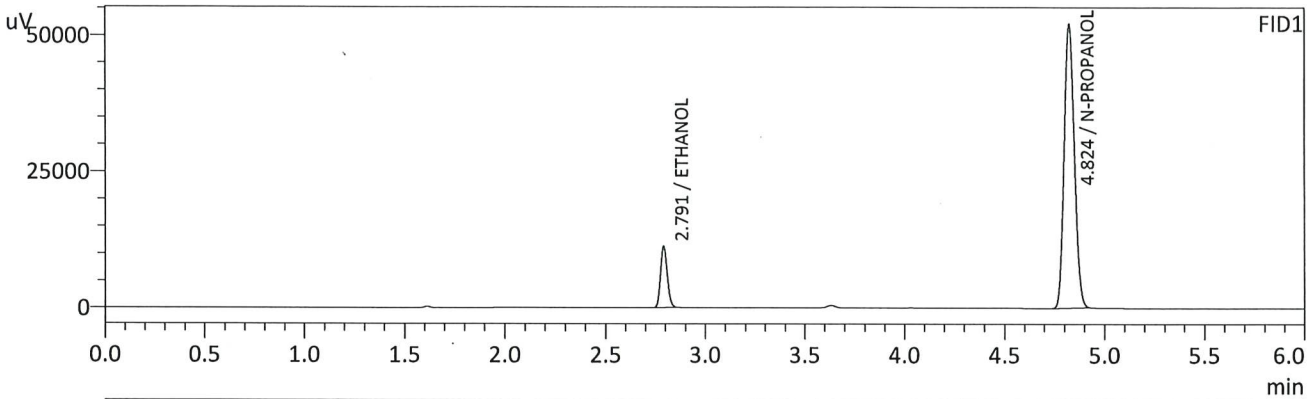
Refer To Instrument Method: ALCOHOL_05052023_RC.gcm

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

Reported Results	
0.080	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_552023_011.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 4:25:53 PM
 Date Processed : 5/5/2023 4:31:54 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

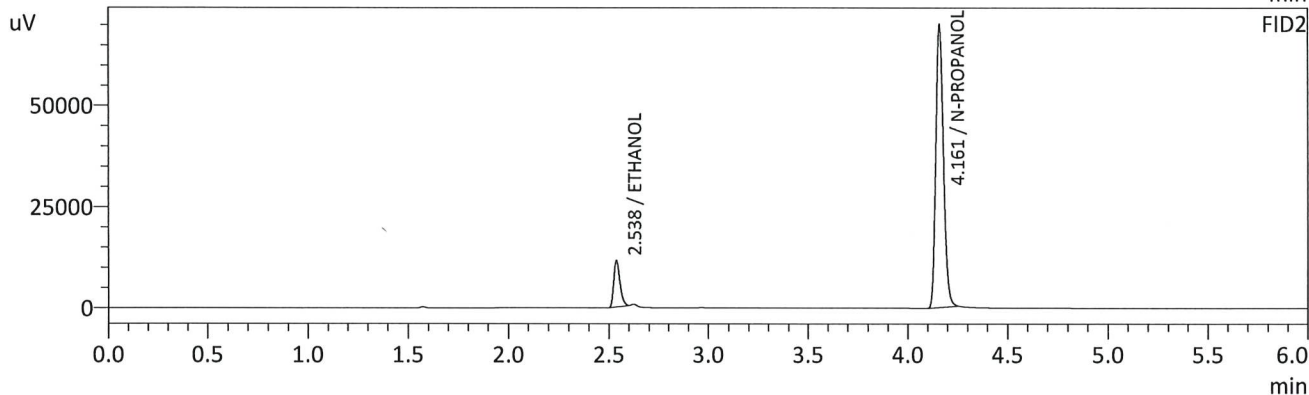
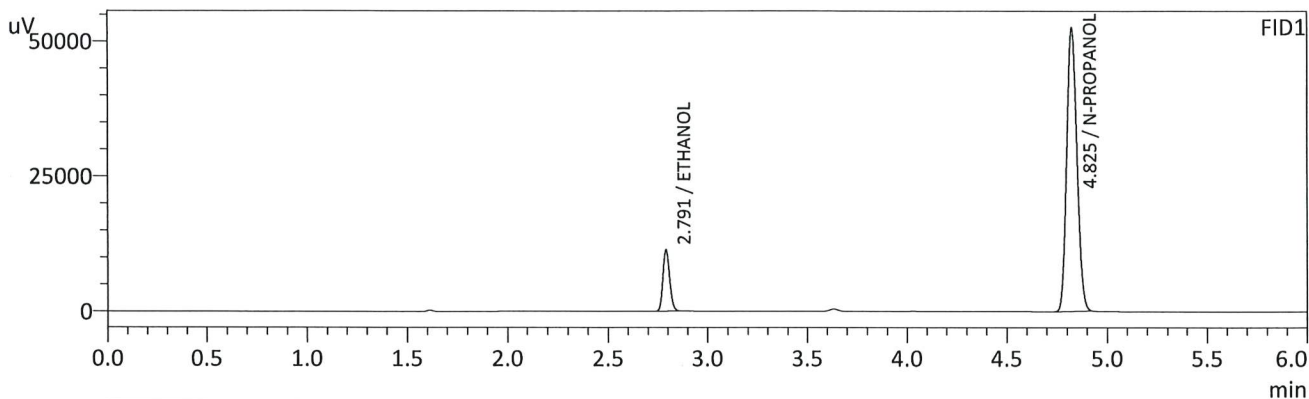
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	26318	11118
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183236	52055
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	24432	11292
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186210	69335
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_552023_012.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 4:35:11 PM
 Date Processed : 5/5/2023 4:41:12 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	26597	11205
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184592	52469
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	24689	11372
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187799	69914
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 5/5/2023 7:36:16 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2177	0.2231	0.0054	0.2204	0.0001	0.2203
(g/100cc)	0.2177	0.2229	0.0052	0.2203		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

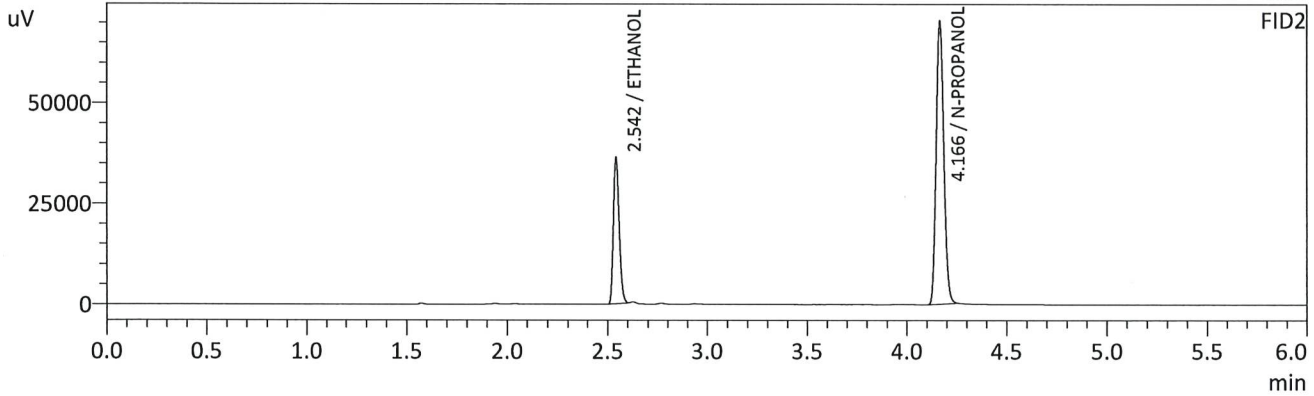
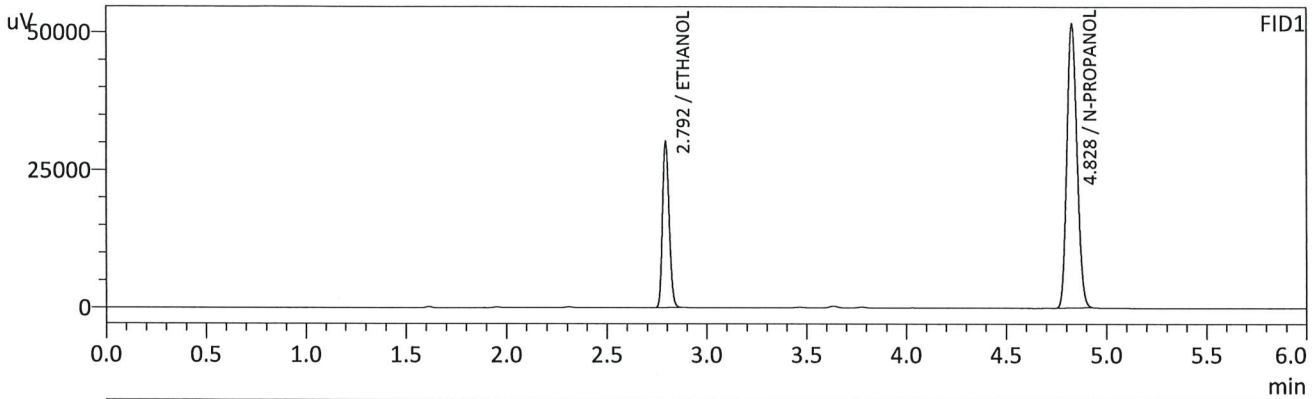
Refer To Instrument Method: ALCOHOL_05052023_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.220	0.209	0.231	0.011

Reported Results	
0.220	

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_552023_031.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 7:36:16 PM
 Date Processed : 5/5/2023 7:42:17 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

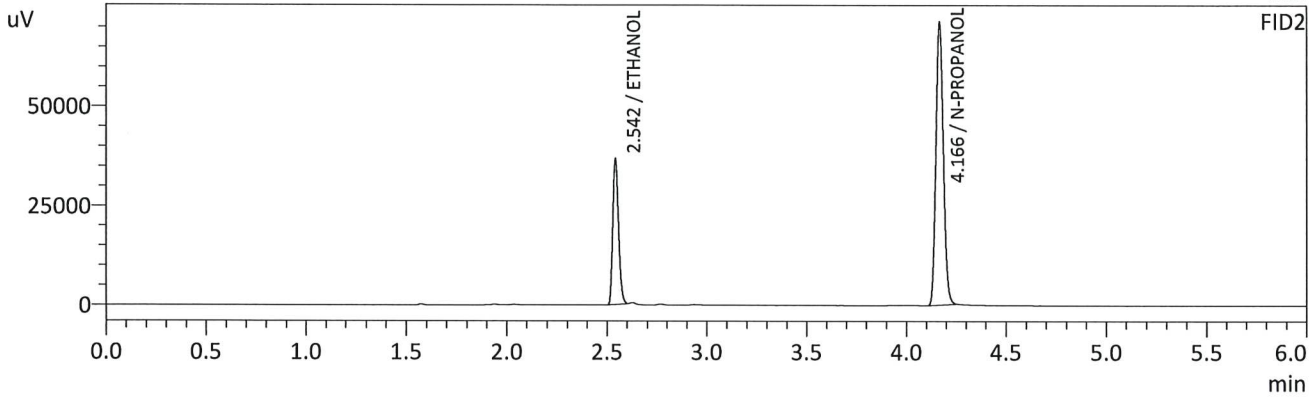
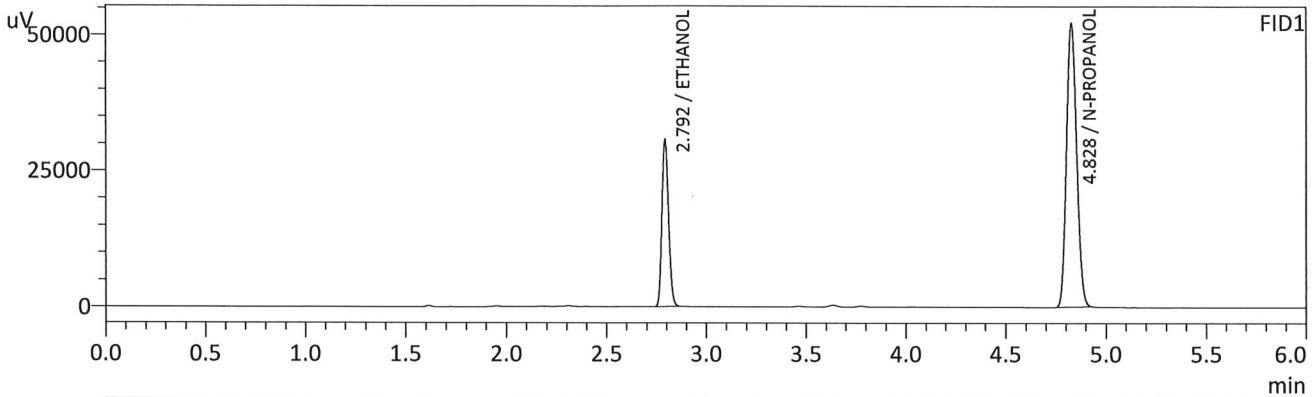
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2177	g/100cc	70905	30069
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181236	51586
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2231	g/100cc	72249	36238
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185320	70292
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_552023_032.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 7:45:47 PM
 Date Processed : 5/5/2023 7:51:50 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2177	g/100cc	71797	30585
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183524	52249
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2229	g/100cc	73176	36648
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187961	71191
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			Analysis Date(s): 5/5/2023 11:05:40 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0781	0.0830	0.0049	0.0805	0.0030	0.0820
(g/100cc)	0.0811	0.0859	0.0048	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

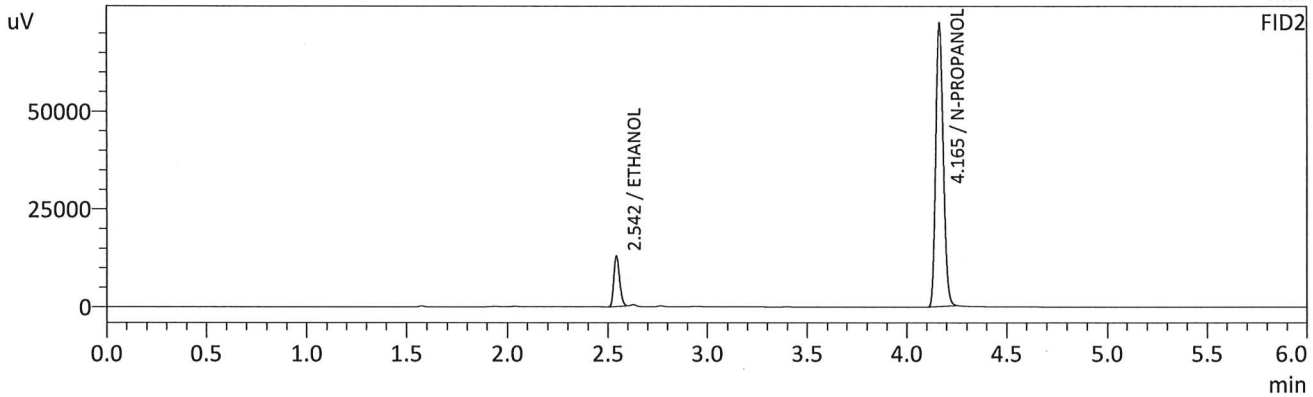
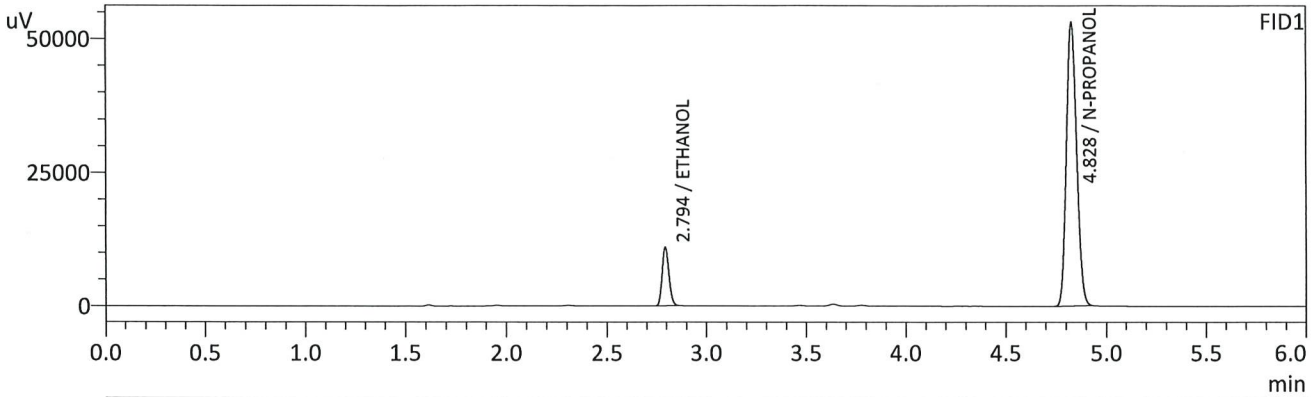
Refer To Instrument Method: ALCOHOL_05052023_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

	Reported Results
	0.082

Calibration and control data are stored centrally.

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_552023_053.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 11:05:40 PM
 Date Processed : 5/5/2023 11:11:42 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

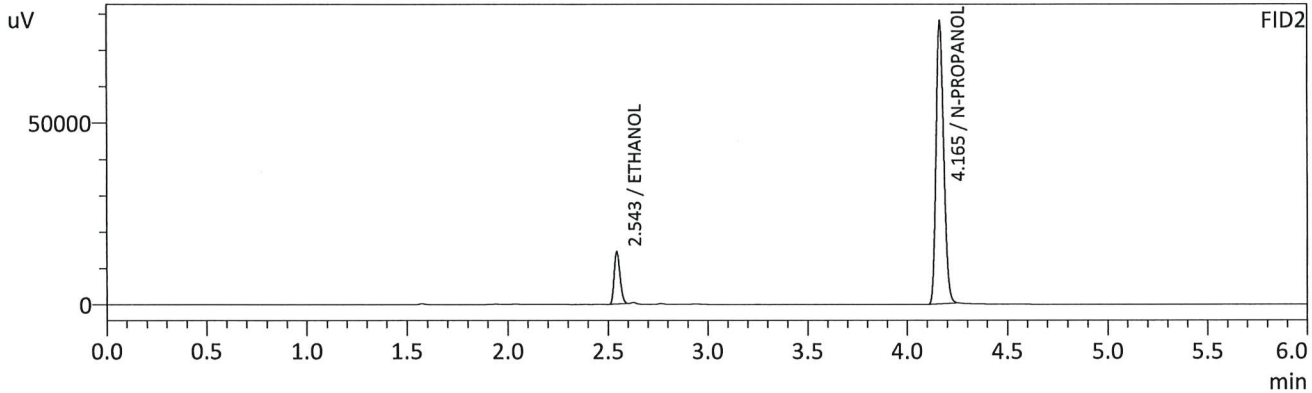
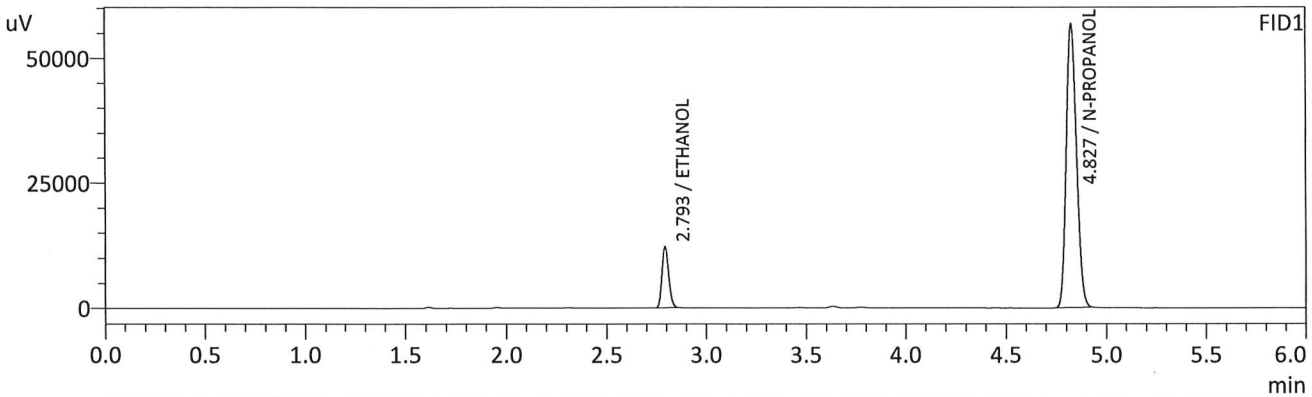
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0781	g/100cc	25771	10947
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185859	53099
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0830	g/100cc	25882	12901
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191573	72427
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_552023_054.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/5/2023 11:14:58 PM
 Date Processed : 5/5/2023 11:20:58 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	28719	12200
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199337	56765
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0859	g/100cc	28804	14267
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205317	77843
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2		Analysis Date(s): 5/6/2023 12:40:35 AM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2269	0.2325	0.0056	0.2297	0.0013	0.2303
(g/100cc)	0.2281	0.2339	0.0058	0.2310		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_05052023_RC.gcm

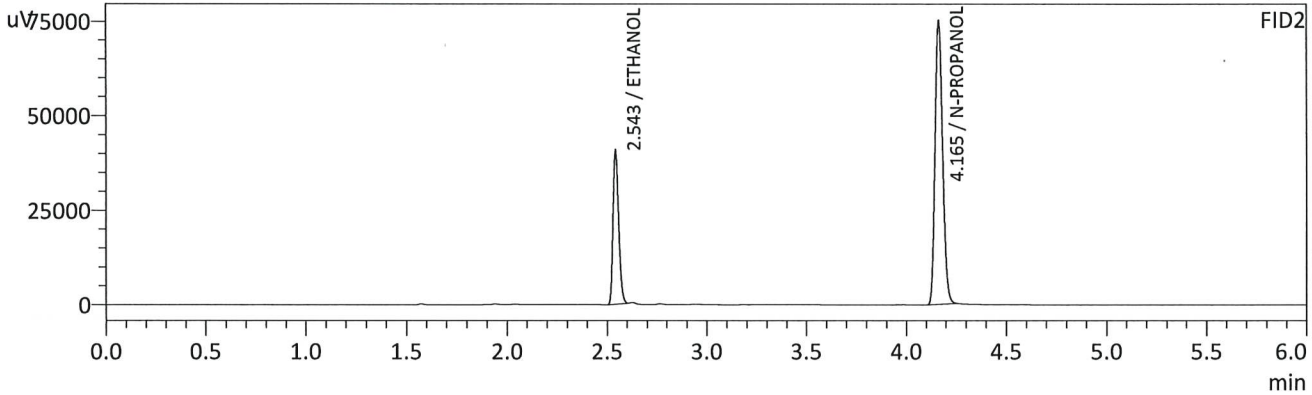
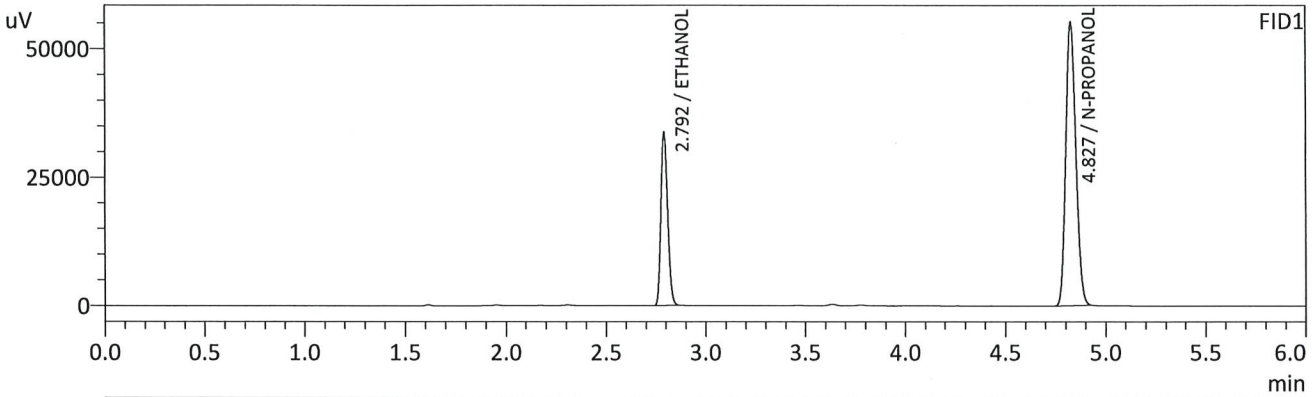
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.230	0.218	0.242	0.012

	Reported Results
	0.230

Calibration and control data are stored centrally.

JK

Sample Name : QC2-2
 Vial # : 63
 Data Filename : QC2-2_552023_063.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/6/2023 12:40:35 AM
 Date Processed : 5/6/2023 12:46:37 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

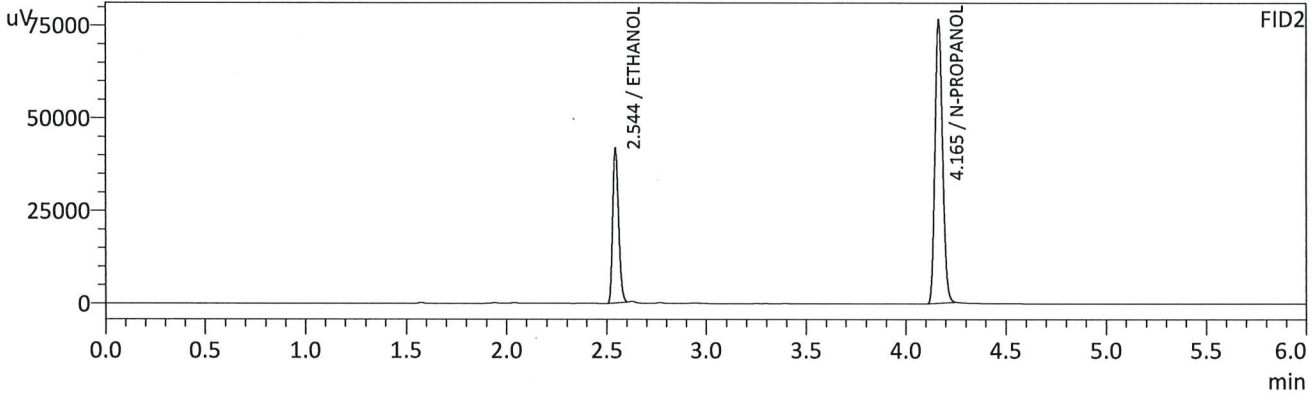
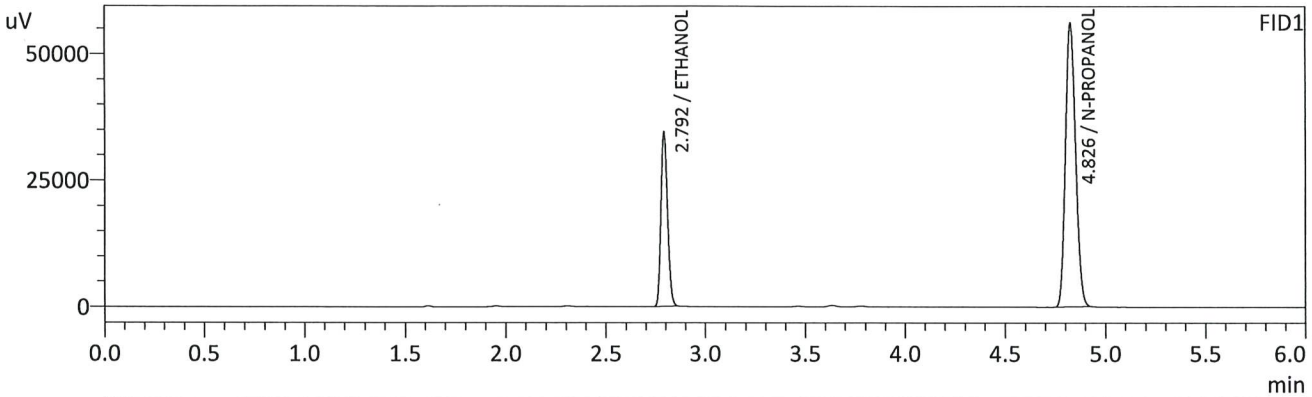
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2269	g/100cc	78843	33603
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193340	55072
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2325	g/100cc	80745	40417
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198430	74961
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

KC

Sample Name : QC2-2-B
 Vial # : 64
 Data Filename : QC2-2-B_552023_064.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/6/2023 12:50:22 AM
 Date Processed : 5/6/2023 12:56:24 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_RC.gcm



FID1

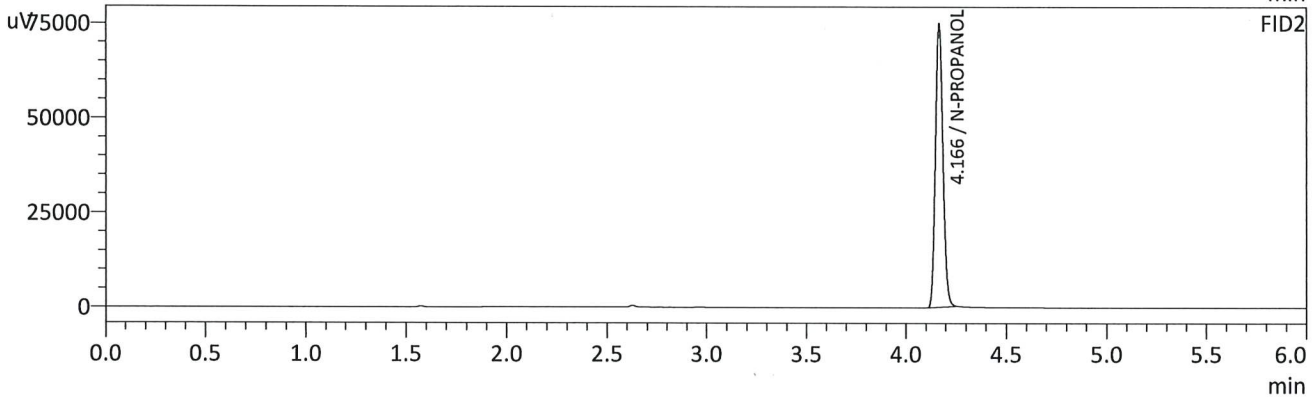
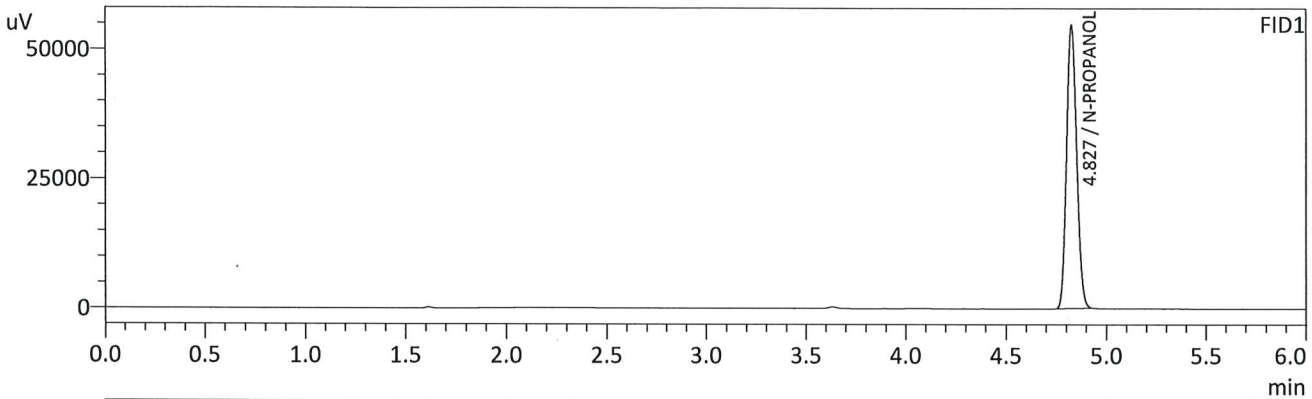
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2281	g/100cc	80608	34394
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196605	55899
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2339	g/100cc	82590	41058
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201714	76410
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 65
 Data Filename : INT STD BLK 3_552023_065.gcd
 Method Filename : ALCOHOL_05052023_RC.gcm
 Batch Filename : BATCH_05052023_RC.gcb
 Date Acquired : 5/6/2023 12:59:49 AM
 Date Processed : 5/6/2023 1:05:50 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_05052023_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	191099	54661
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	197019	74779
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

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_05052023_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_05052023_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_05052023_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_05052023_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_05052023_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_05052023_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_05052023_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_05052023_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
13	P2023-1007-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
14	P2023-1007-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
15	P2023-1098-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
16	P2023-1098-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
17	P2023-1100-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
18	P2023-1100-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
19	P2023-1101-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
20	P2023-1101-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
21	P2023-1118-2	0:Unknown	ALCOHOL_05052023_RC.gcm		0
22	P2023-1118-2-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
23	P2023-1136-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
24	P2023-1136-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
25	P2023-1137-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
26	P2023-1137-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
27	P2023-1147-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
28	P2023-1147-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
29	P2023-1150-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
30	P2023-1150-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
33	P2023-1153-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
34	P2023-1153-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
35	P2023-1154-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
36	P2023-1154-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
37	P2023-1155-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
38	P2023-1155-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
39	P2023-1180-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
40	P2023-1180-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
41	P2023-1181-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
42	P2023-1181-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
43	P2023-1182-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
44	P2023-1182-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
45	P2023-1188-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
46	P2023-1188-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
47	P2023-1189-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
48	P2023-1189-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
49	P2023-1195-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
50	P2023-1195-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
51	P2023-1196-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
52	P2023-1196-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_05052023_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
55	P2023-1203-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
56	P2023-1203-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
57	P2023-1227-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
58	P2023-1227-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
59	P2023-1228-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
60	P2023-1228-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
61	P2023-1229-1	0:Unknown	ALCOHOL_05052023_RC.gcm		0
62	P2023-1229-1-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
63	QC2-2	0:Unknown	ALCOHOL_05052023_RC.gcm		0
64	QC2-2-B	0:Unknown	ALCOHOL_05052023_RC.gcm		0
65	INT STD BLK 3	0:Unknown	ALCOHOL_05052023_RC.gcm		0

