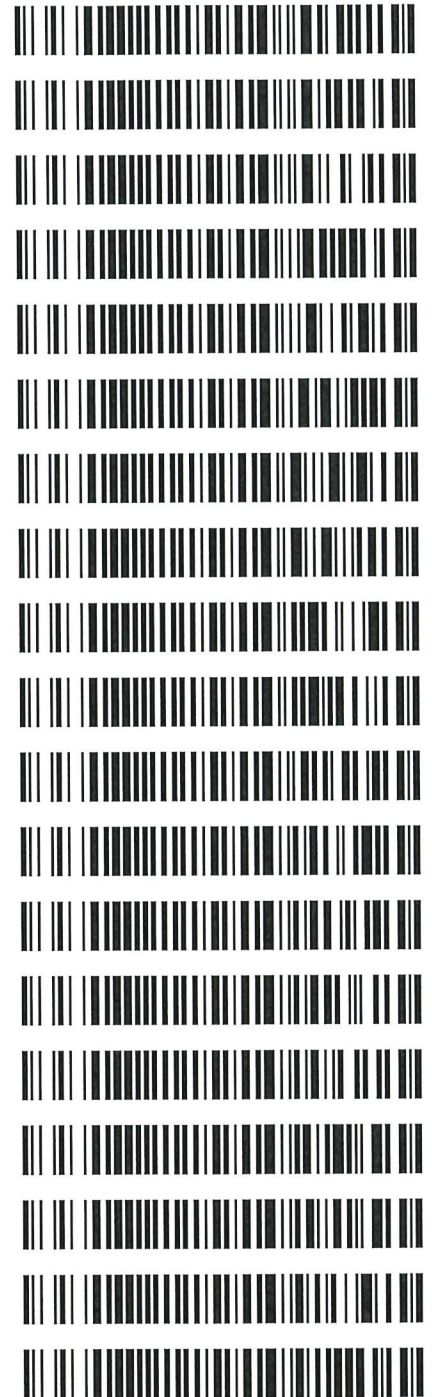


Worklist: 6653

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-4040	1	BCK	Alcohol Analysis
P2024-0001	1	COBCK	Alcohol Analysis
P2024-0002	1	BCK	Alcohol Analysis
P2024-0006	1	BCK	Alcohol Analysis
P2024-0011	1	BCK	Alcohol Analysis
P2024-0034	1	BCK	Alcohol Analysis
P2024-0043	1	BCK	Alcohol Analysis
P2024-0044	1	BCK	Alcohol Analysis
P2024-0057	1	BCK	Alcohol Analysis
P2024-0058	1	BCK	Alcohol Analysis
P2024-0071	2	BCK	Alcohol Analysis
P2024-0083	1	BCK	Alcohol Analysis
P2024-0085	1	BCK	Alcohol Analysis
P2024-0086	1	BCK	Alcohol Analysis
P2024-0087	1	BCK	Alcohol Analysis
P2024-0100	1	BCK	Alcohol Analysis
P2024-0101	1	BCK	Alcohol Analysis
P2024-0129	1	BCK	Alcohol Analysis
P2024-0132	1	BCK	Alcohol Analysis



REVIEWED
By Jeremy Johnston at 1:39 pm, Jan 18, 2024

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): 01/17/2024**

Calibration Date: *(if different)* :

Worklist #: 6653

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0828 g/100cc
					0.0903 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2055 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp: 2024 October	Lot # FN06041902	OK	
Curve Fit:			Column 1 0.99995	Column2	0.99971

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0509	0.0535	0.0026	0.0522
100	0.100	0.090 - 0.110	0.1004	0.0996	0.0008	0.1
200	0.200	0.180 - 0.220	0.1987	0.1965	0.0022	0.1976
300	0.300	0.270 - 0.330	0.2987	0.2978	0.0009	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5024	0.0014	0.5017

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6653	Run Date(s):	01/17/2024
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Internal Standard Solution:	Prep Date: 12/26/2023	Exp Date: 6/26/2024
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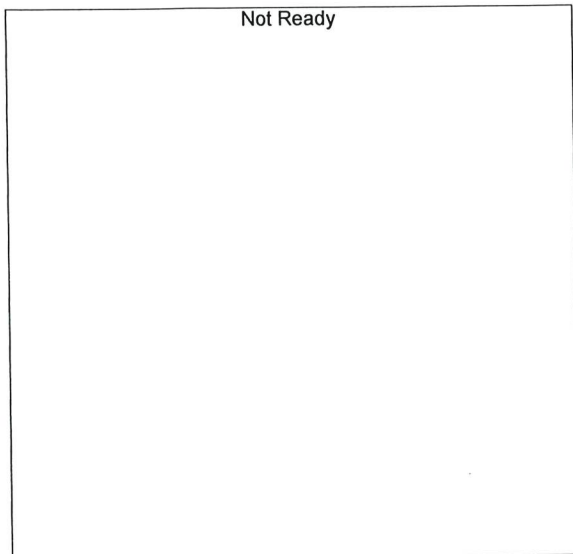
Sample Name	Column 1 Value	Column 2 Value
0.080	150602	153936
0.080	151779	155079
QC1	153219	154037
QC1	152485	155375
QC1	154196	159246
QC1	156470	161641
QC1		
QC1		
QC2	147428	152141
QC2	150348	155159
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	152065.9	121652.7	182479.1
Column 2	155826.8	124661.4	186992.1

Calibration Table

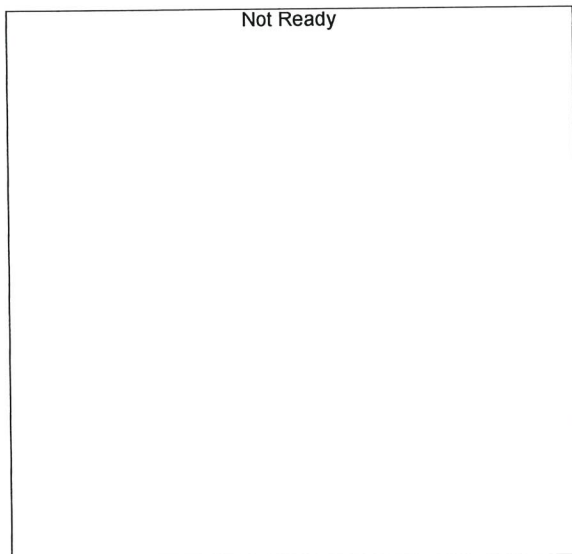
Laboratory: Pocatello
 Instrument Name : G1KG333-Instrument1

<<Data File>>
 Method File :Default Project - ALCOHOL_011723_RC.gcm
 Batch File :Default Project - BATCH_011723_RC.gcb
 Date Acquired :1/17/2024 5:00:02 PM
 Date Created :1/17/2024 4:56:32 PM
 Date Modified :1/18/2024 7:31:20 AM



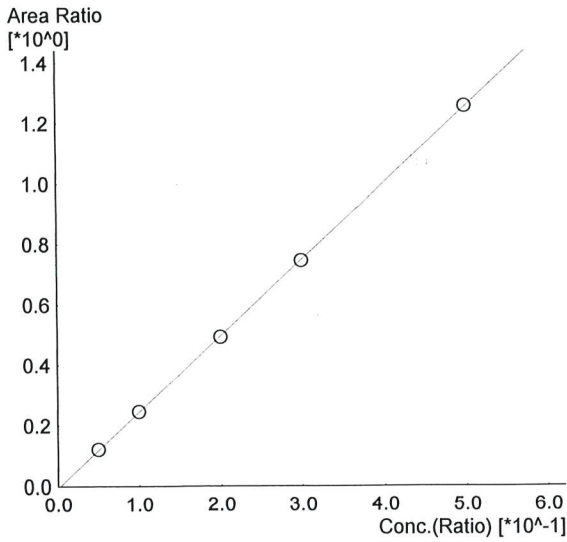
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



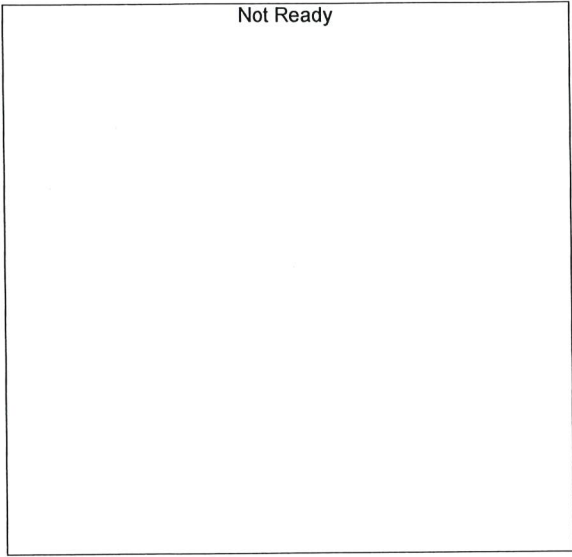
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



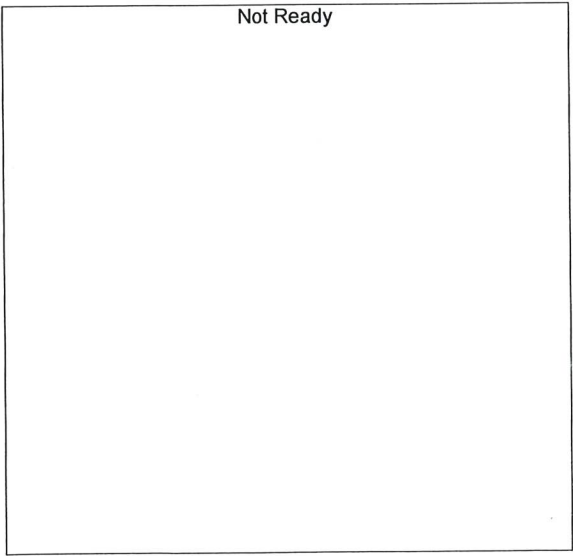
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.52206*x-0.00750797$
 R² value= 0.9999579 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18224	0.0509	0.050_1172024_001.gcd
2	0.100	37217	0.1004	0.100_1172024_002.gcd
3	0.200	75953	0.1987	0.200_1172024_003.gcd
4	0.300	114366	0.2987	0.300_1172024_004.gcd
5	0.500	193643	0.5010	0.500_1172024_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
---	-------	------	------------	----------------

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

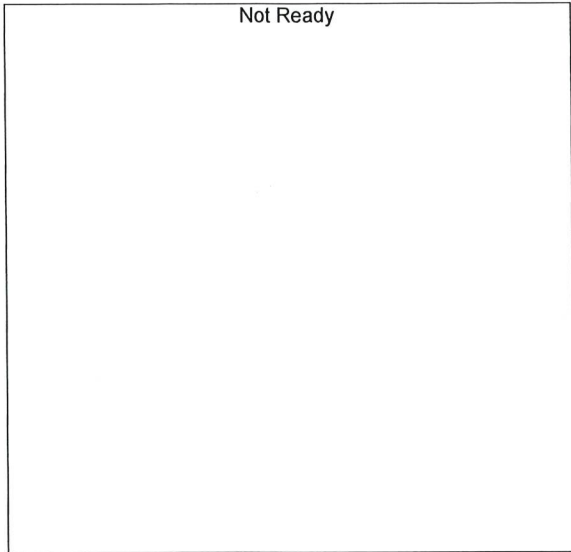
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

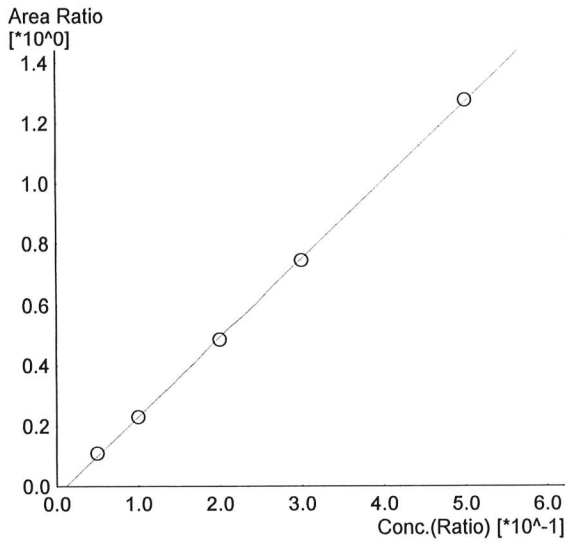
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



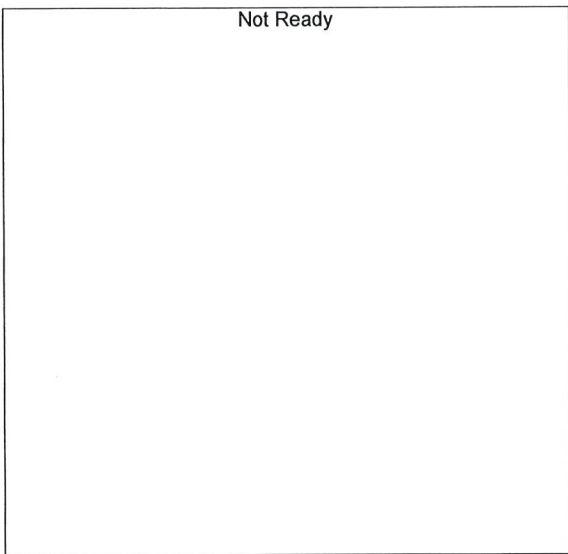
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.60191*x-0.0298374$
 R² value= 0.9997195 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16555	0.0535	0.050_1172024_001.gcd
2	0.100	34540	0.0996	0.100_1172024_002.gcd
3	0.200	73225	0.1965	0.200_1172024_003.gcd
4	0.300	112542	0.2978	0.300_1172024_004.gcd
5	0.500	193943	0.5024	0.500_1172024_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

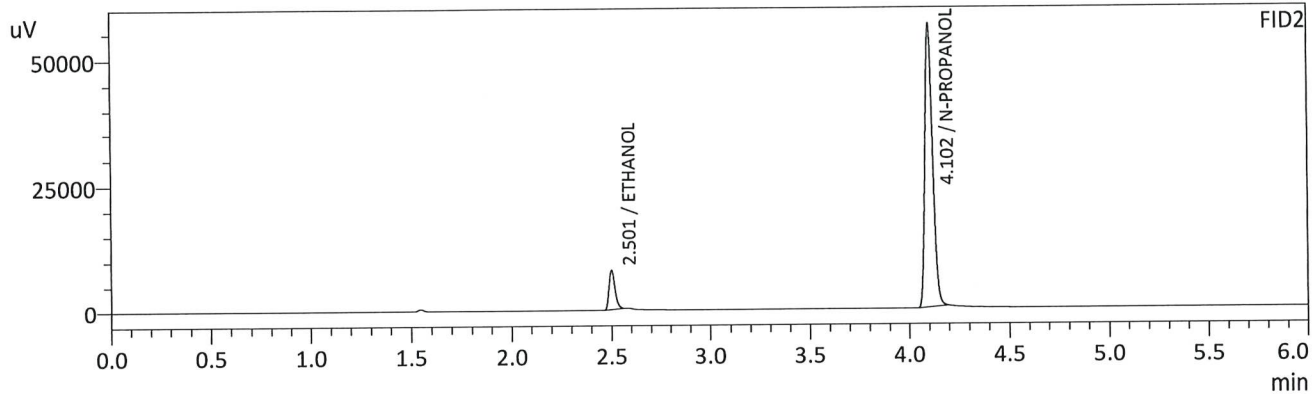
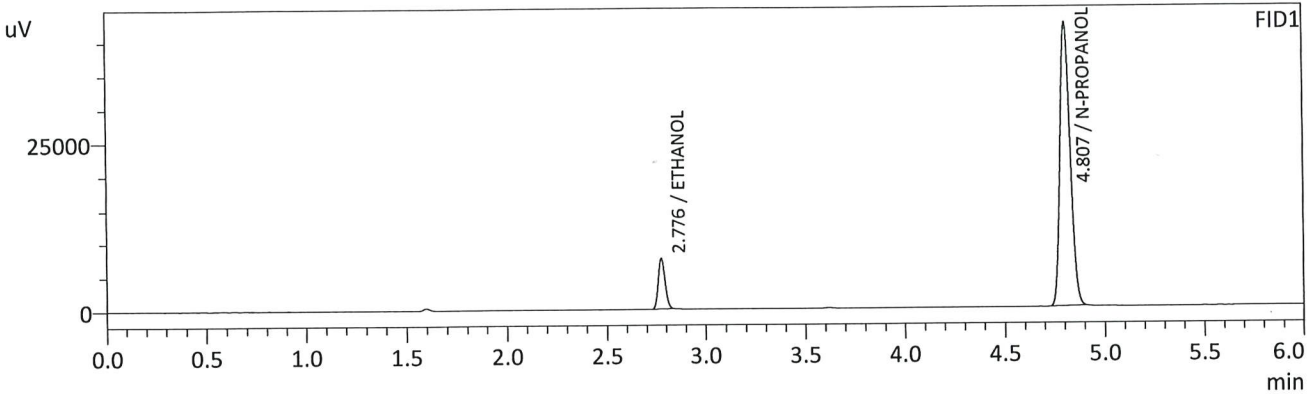
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

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_1172024_001.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 4:21:55 PM
 Date Processed : 1/18/2024 7:31:07 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

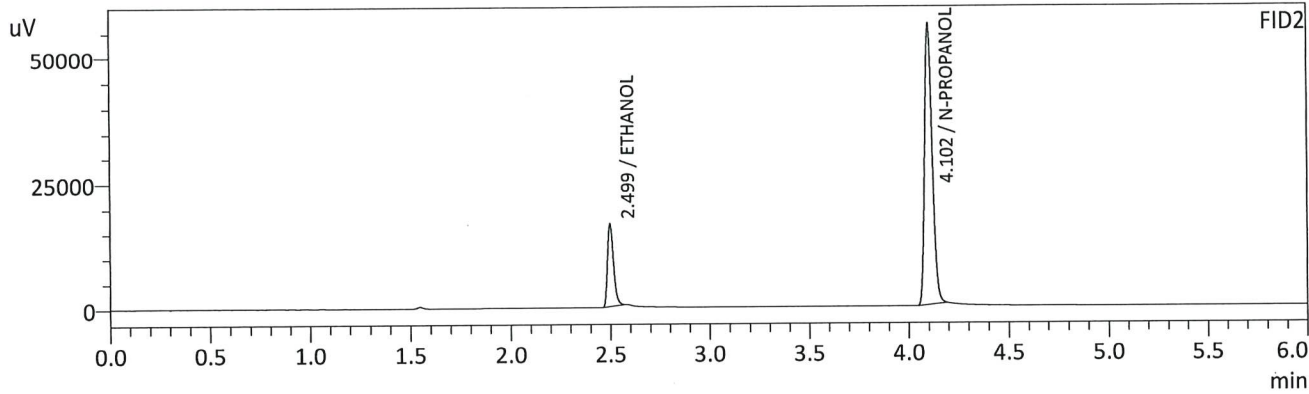
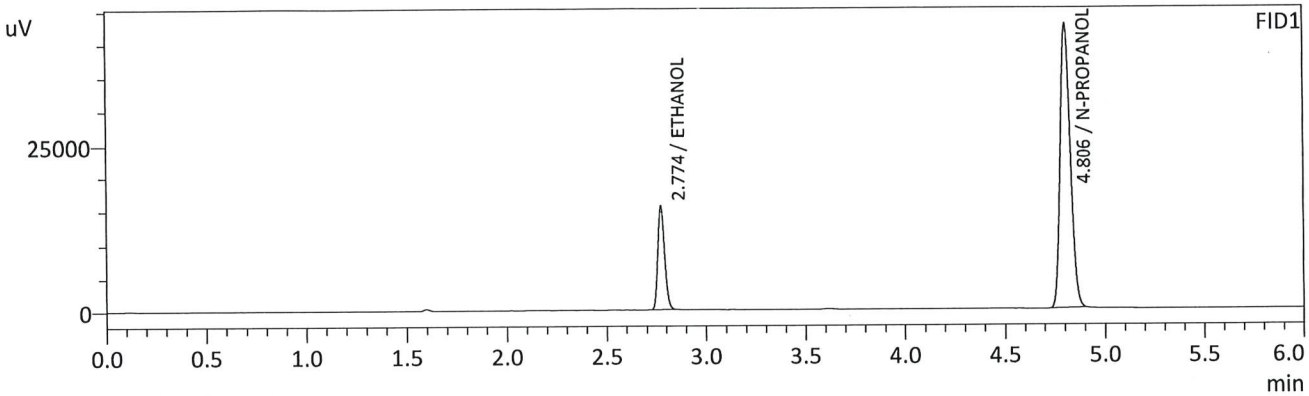
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0509	g/100cc	18224	7516
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150480	42101
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0535	g/100cc	16555	7823
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151041	55794
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_1172024_002.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 4:31:25 PM
 Date Processed : 1/18/2024 7:31:11 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

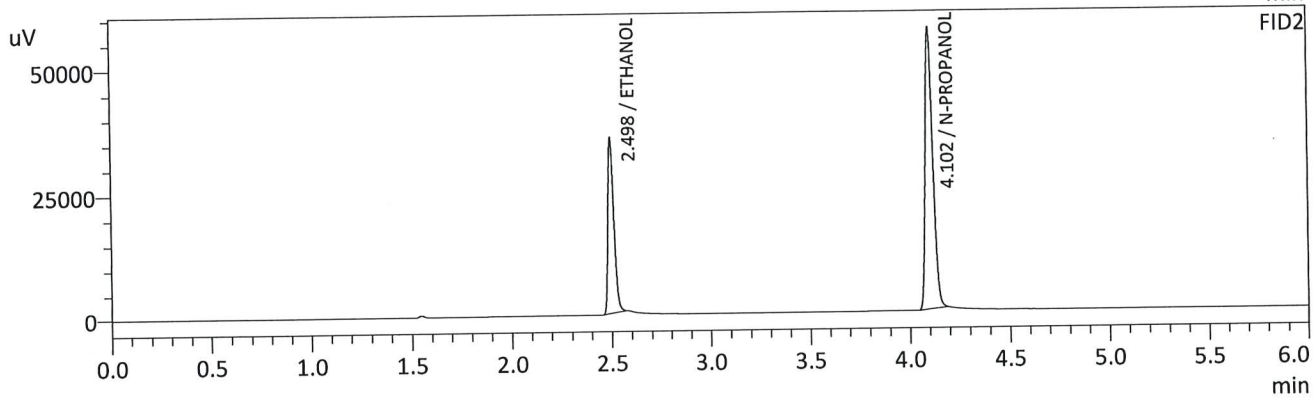
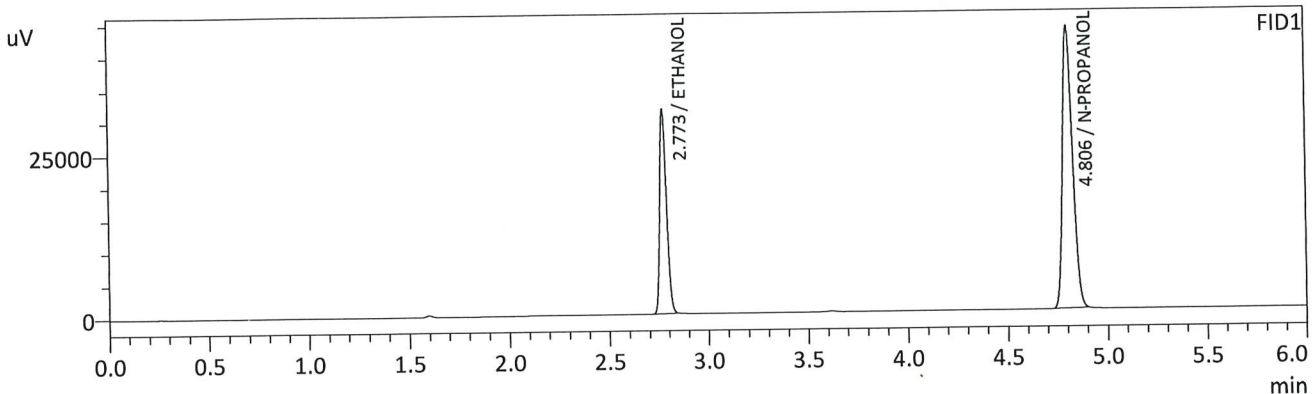
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	37217	15455
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151419	42599
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0996	g/100cc	34540	16596
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150493	55813
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_1172024_003.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 4:40:45 PM
 Date Processed : 1/18/2024 7:31:14 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

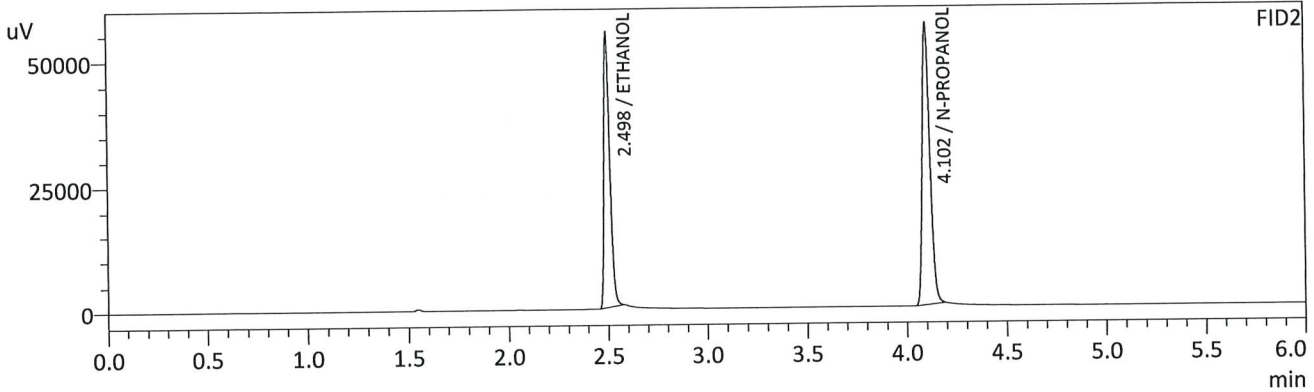
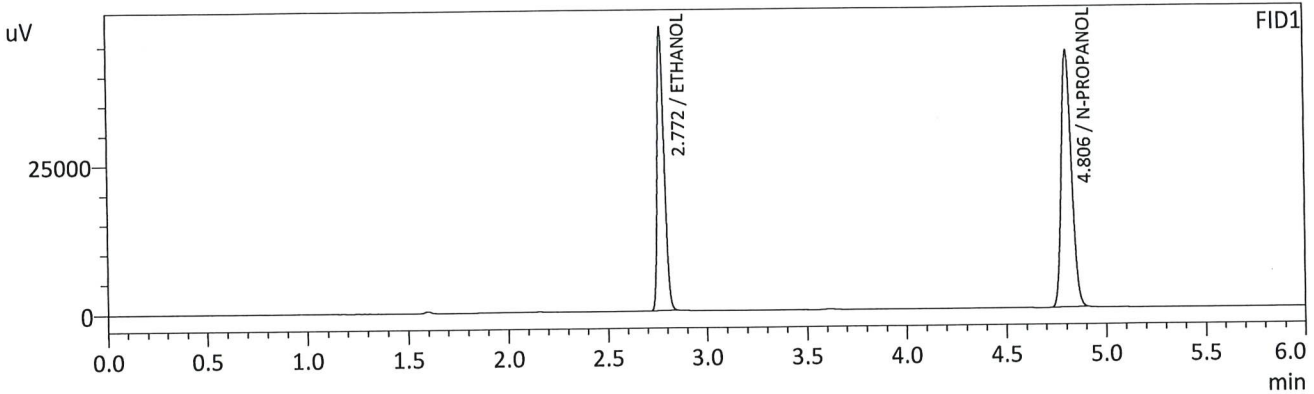
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	75953	31427
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153814	43286
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1965	g/100cc	73225	35344
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152091	56424
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CHC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_1172024_004.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 4:50:29 PM
 Date Processed : 1/18/2024 7:31:17 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

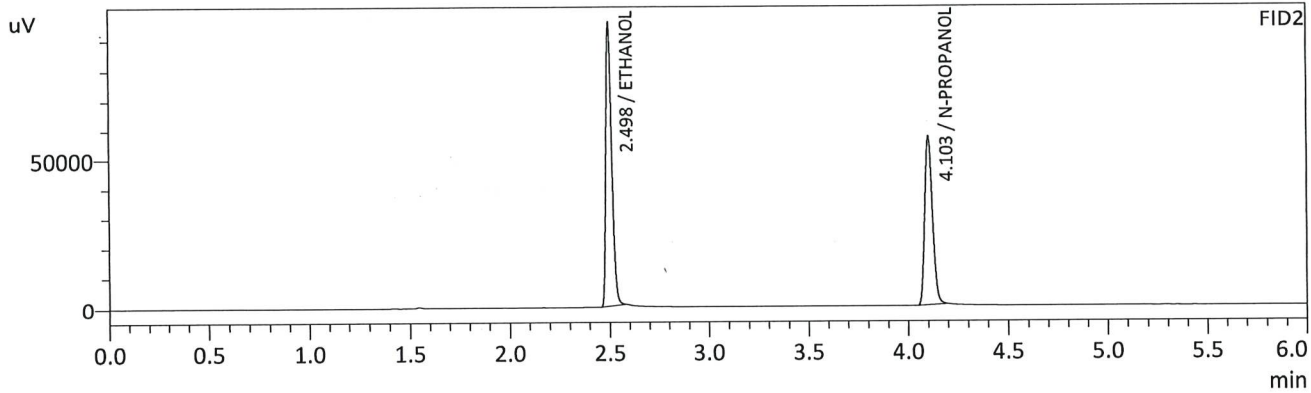
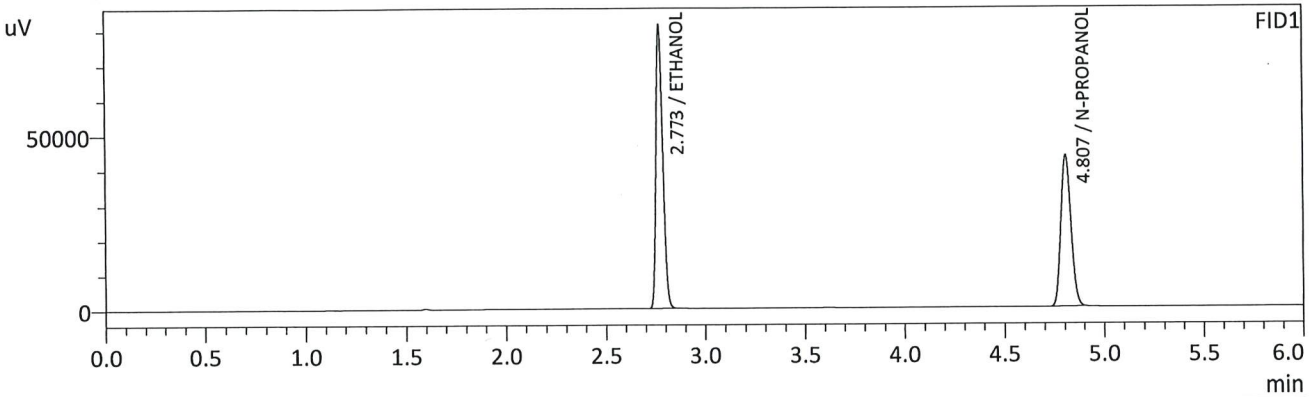
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	114366	47319
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153318	43183
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	112542	54463
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151059	56058
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_1172024_005.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:00:02 PM
 Date Processed : 1/18/2024 7:31:20 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

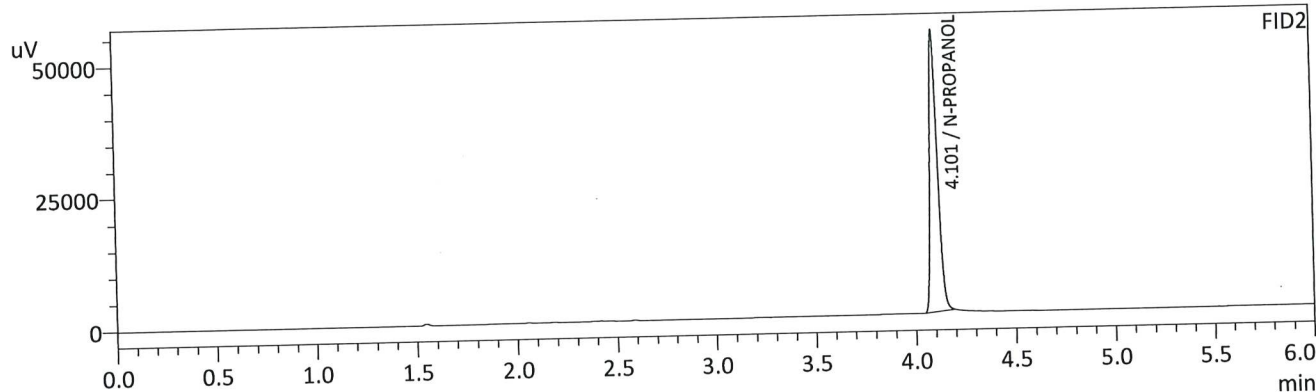
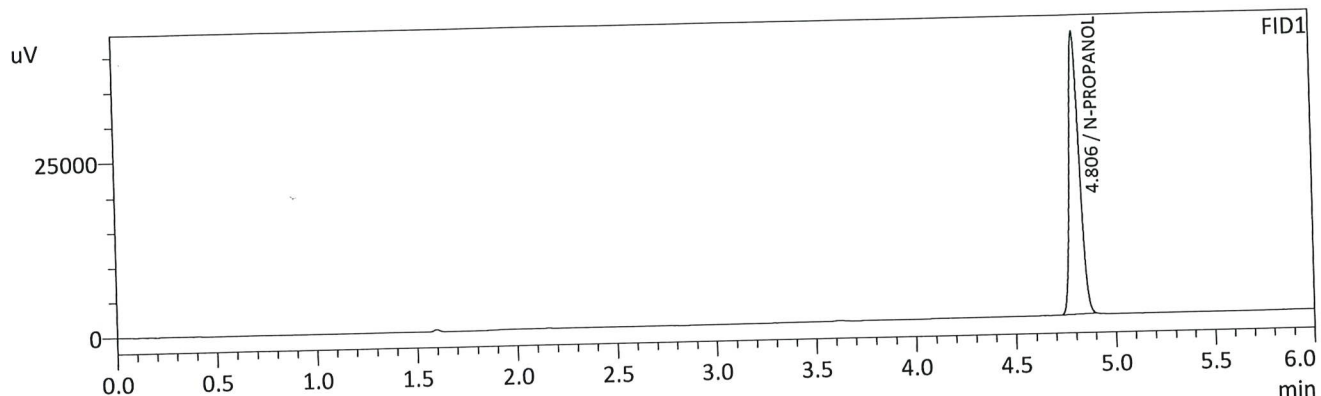
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5010	g/100cc	193643	80357
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154150	43225
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5024	g/100cc	193943	94596
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151824	56256
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_1172024_006.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:09:22 PM
 Date Processed : 1/17/2024 5:15:23 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

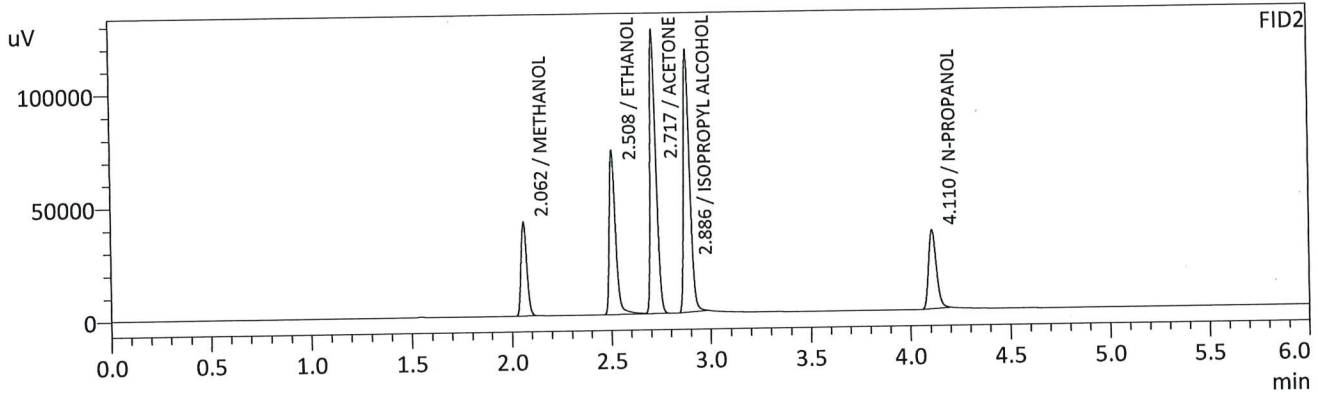
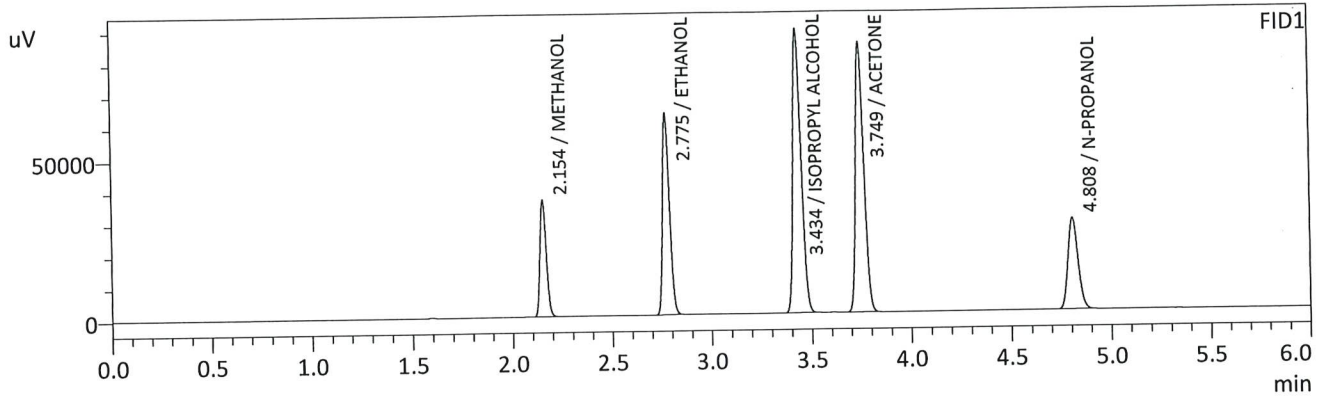
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	143947	40485
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	142477	53245
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_1172024_007.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:19:06 PM
 Date Processed : 1/17/2024 5:25:08 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

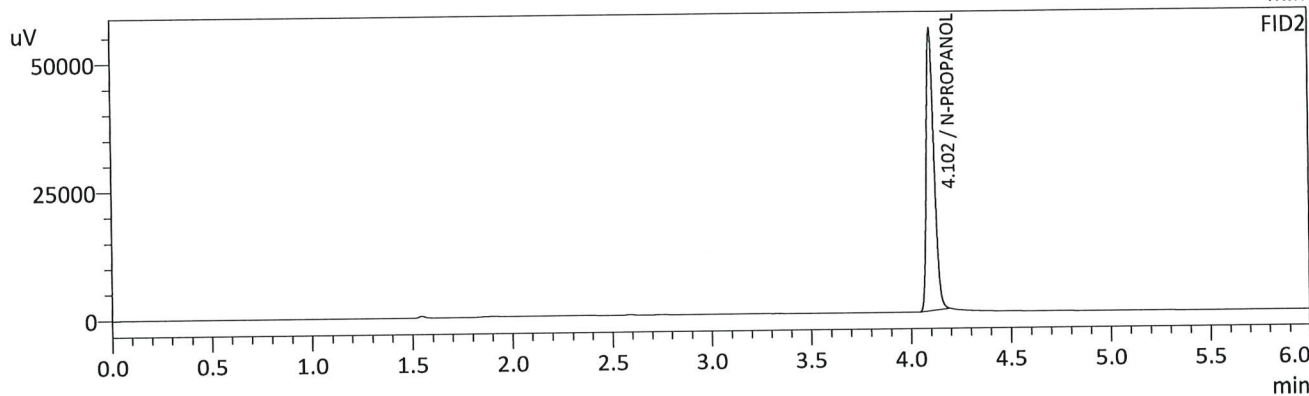
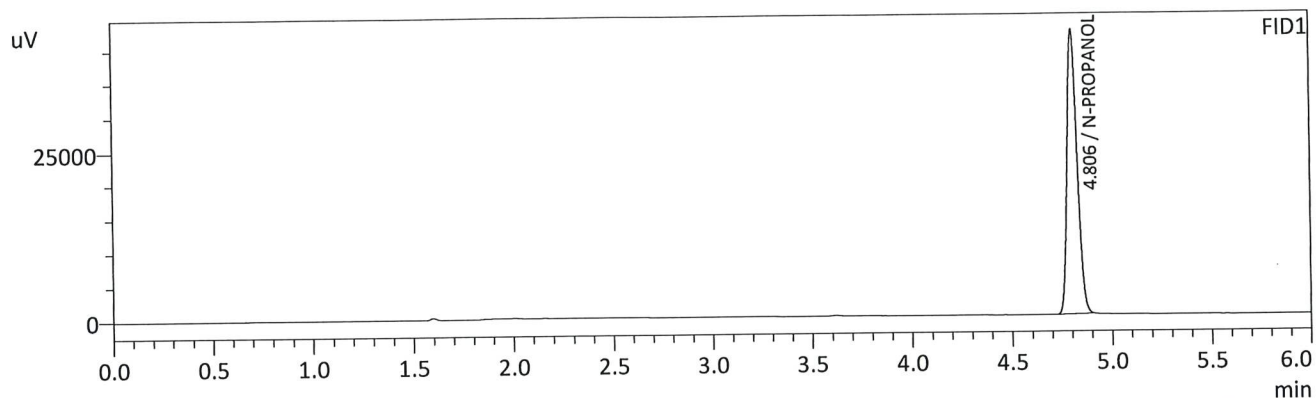
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	79517	36347
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5978	g/100cc	151002	62823
ISOPROPYL ALCOHOL	0.0000	g/100cc	251185	88233
ACETONE	0.0000	g/100cc	244513	83945
N-PROPANOL	0.0000	g/100cc	100654	28416
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	83545	41258
ETHANOL	0.6517	g/100cc	155862	72328
ACETONE	0.0000	g/100cc	258519	124689
ISOPROPYL ALCOHOL	0.0000	g/100cc	250026	115569
N-PROPANOL	0.0000	g/100cc	93561	34875
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_1172024_008.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:28:38 PM
 Date Processed : 1/17/2024 5:34:40 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_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	149271	41981
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	147227	54798
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1			Analysis Date(s): 1/17/2024 5:38:00 PM(-07:00)			
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0818	0.0826	0.0008	0.0822	0.0013	0.0828
(g/100cc)	0.0817	0.0853	0.0036	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

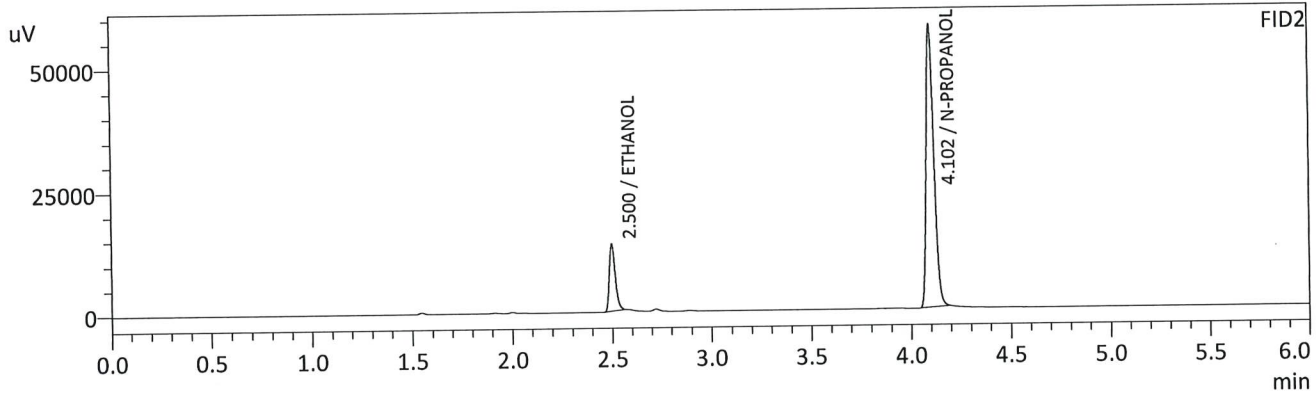
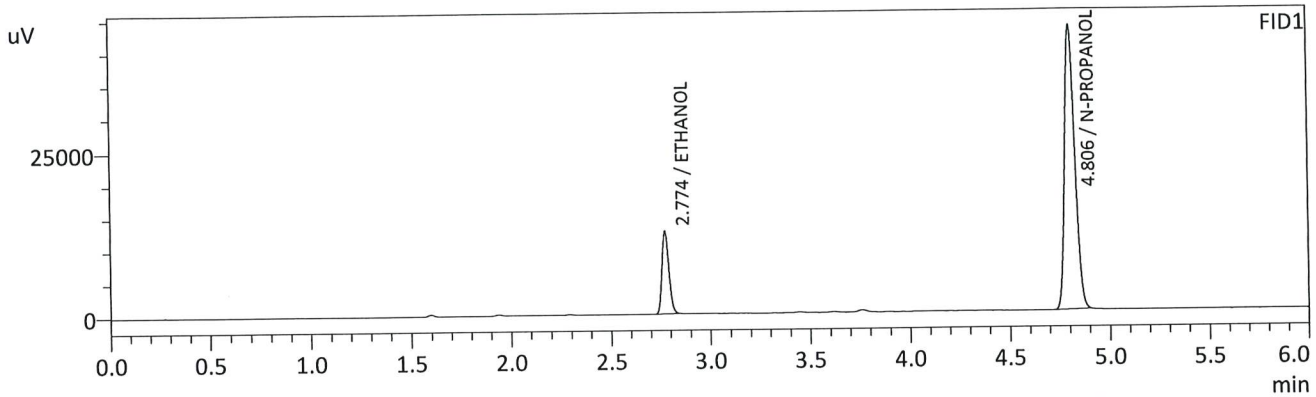
Refer To Instrument Method: ALCOHOL_011723_RC.gcm

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 : QC1-1
 Vial # : 9
 Data Filename : QC1-1_1172024_009.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:38:00 PM
 Date Processed : 1/17/2024 5:44:01 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

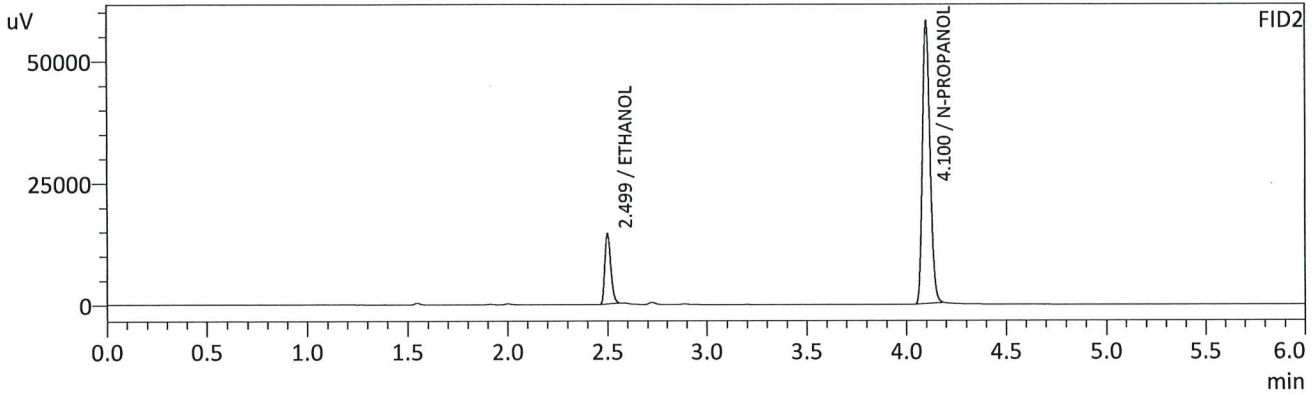
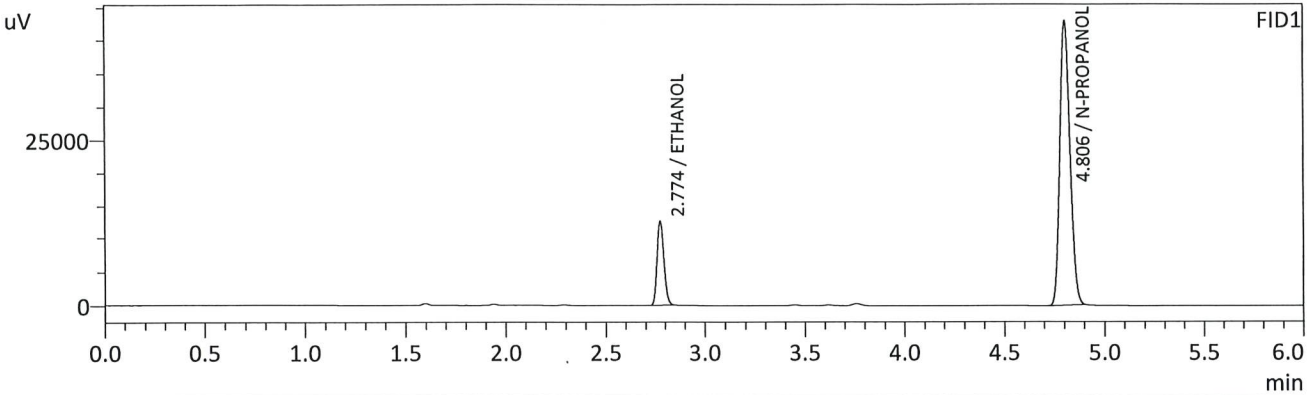
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	30475	12622
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153219	43083
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0826	g/100cc	28544	13655
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154037	57239
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

chc

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_1172024_010.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:47:44 PM
 Date Processed : 1/17/2024 5:53:47 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	30311	12560
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152485	42928
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0853	g/100cc	29859	14439
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155375	58003
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 1/17/2024 5:57:16 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0851	0.0040	0.0831	0.0000	0.0831
(g/100cc)	0.0811	0.0851	0.0040	0.0831		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_011723_RC.gcm

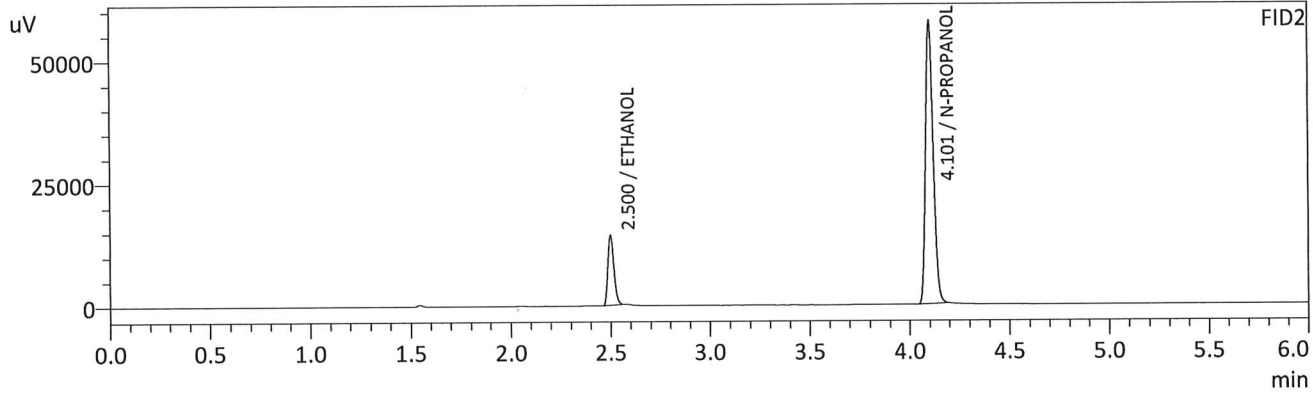
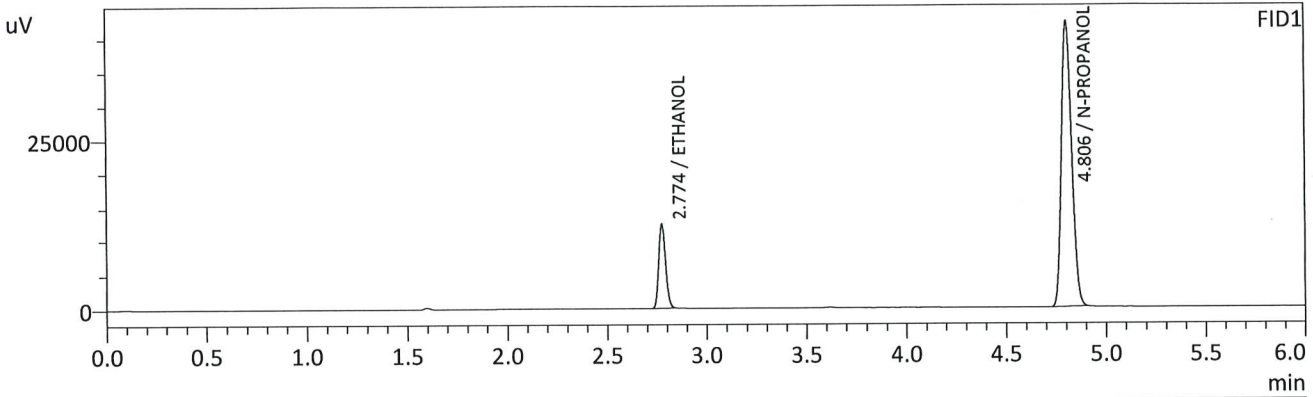
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

	Reported Results
	0.083

Calibration and control data are stored centrally.

CR

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_1172024_011.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 5:57:16 PM
 Date Processed : 1/17/2024 6:03:17 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



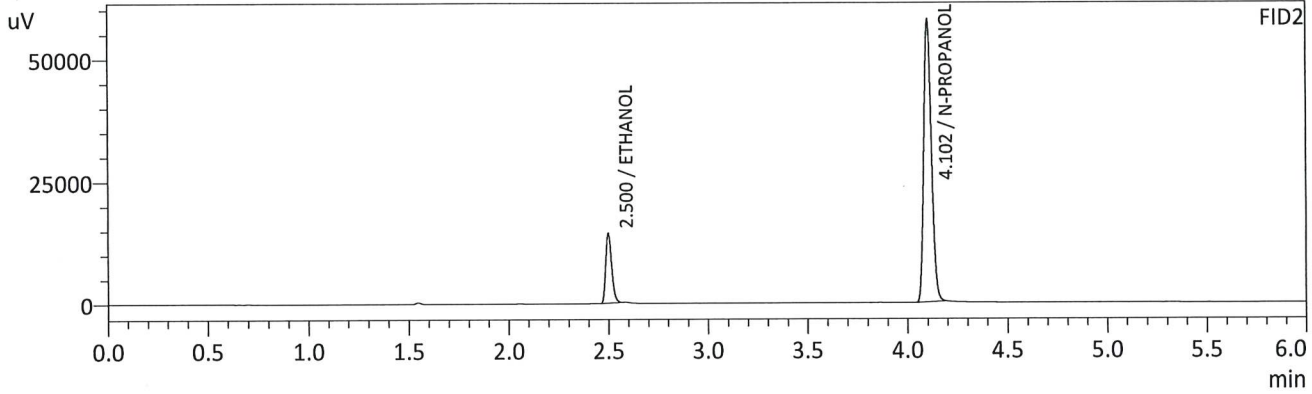
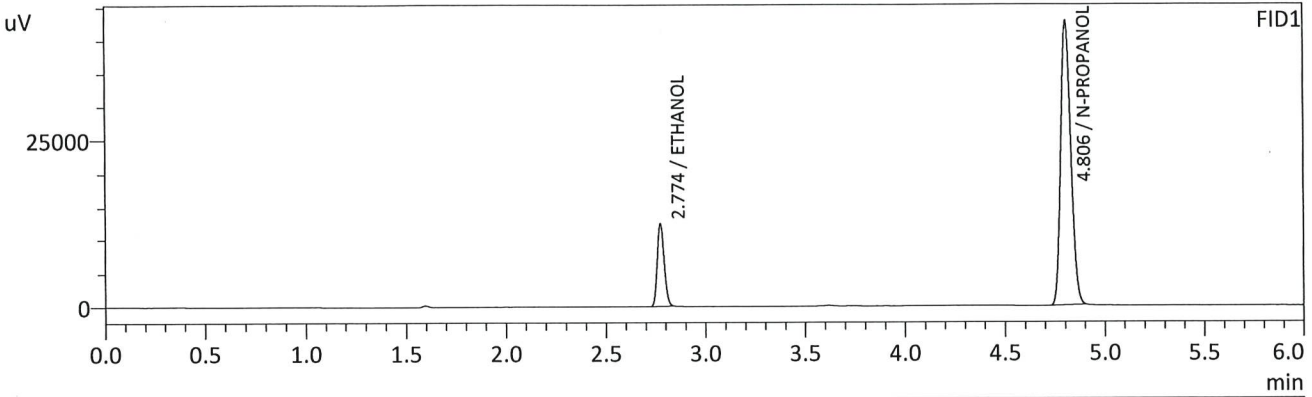
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	29701	12315
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150602	42268
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0851	g/100cc	29508	14268
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153936	57533
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_1172024_012.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 6:06:33 PM
 Date Processed : 1/17/2024 6:12:34 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	29930	12388
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151779	42721
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0851	g/100cc	29733	14395
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155079	57572
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1			Analysis Date(s): 1/17/2024 9:07:39 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2048	0.2063	0.0015	0.2055	0.0000	0.2055
(g/100cc)	0.2048	0.2062	0.0014	0.2055		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

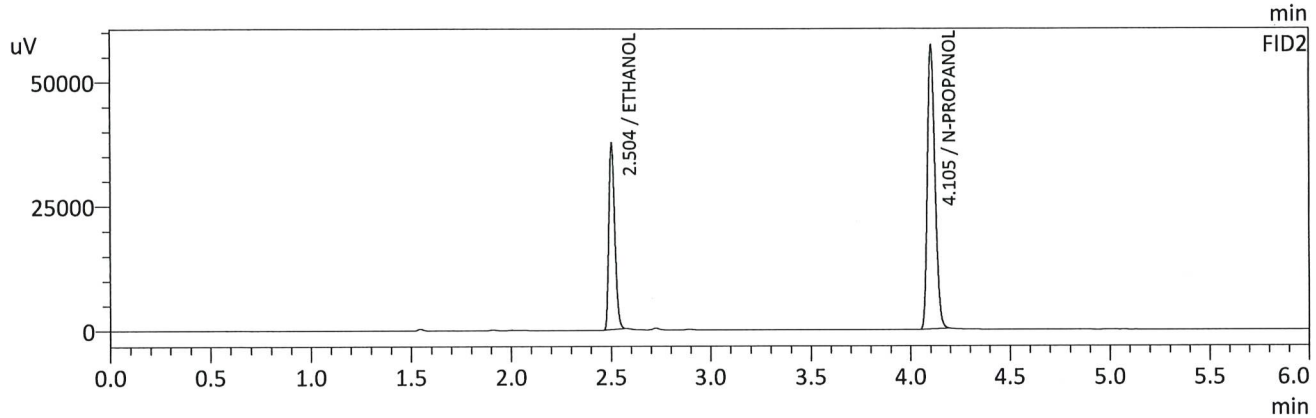
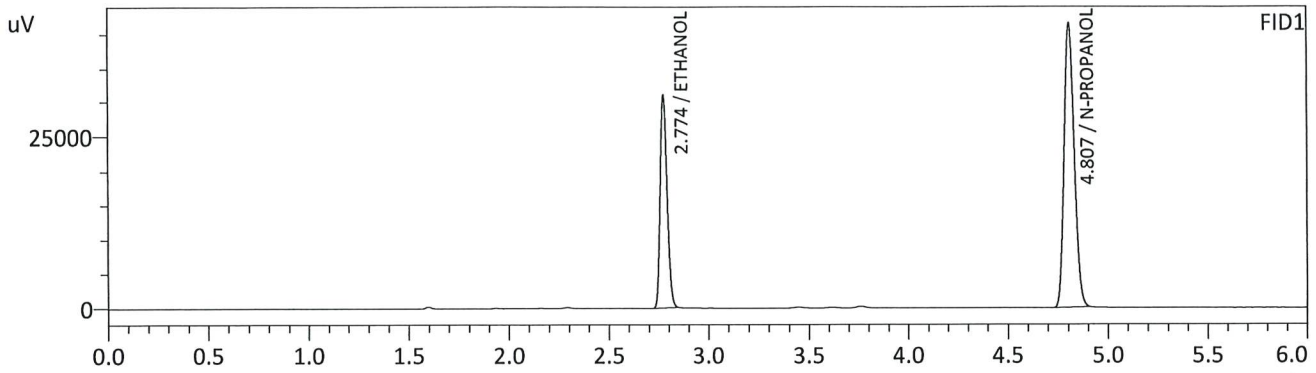
Refer To Instrument Method: ALCOHOL_011723_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

	Reported Results
	0.205

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_1172024_031.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 9:07:39 PM
 Date Processed : 1/17/2024 9:13:41 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



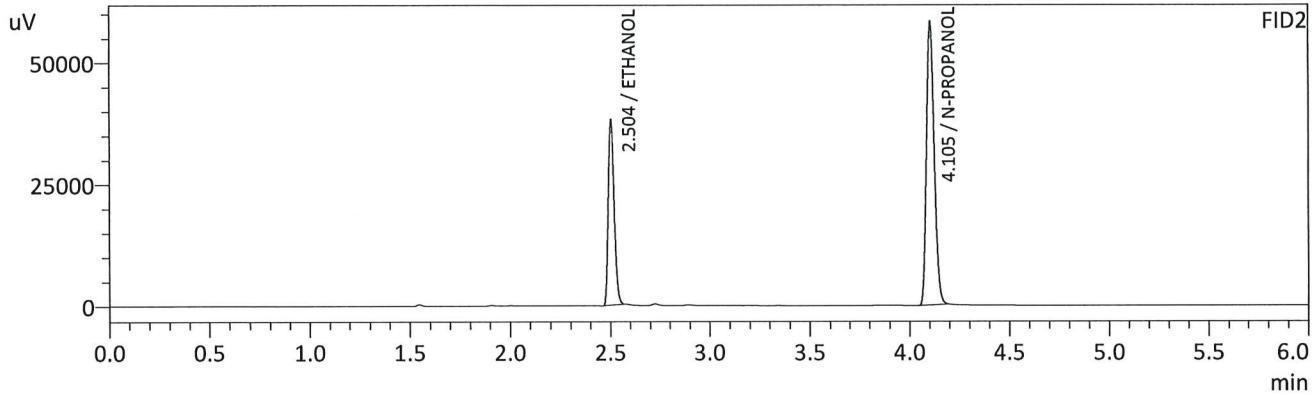
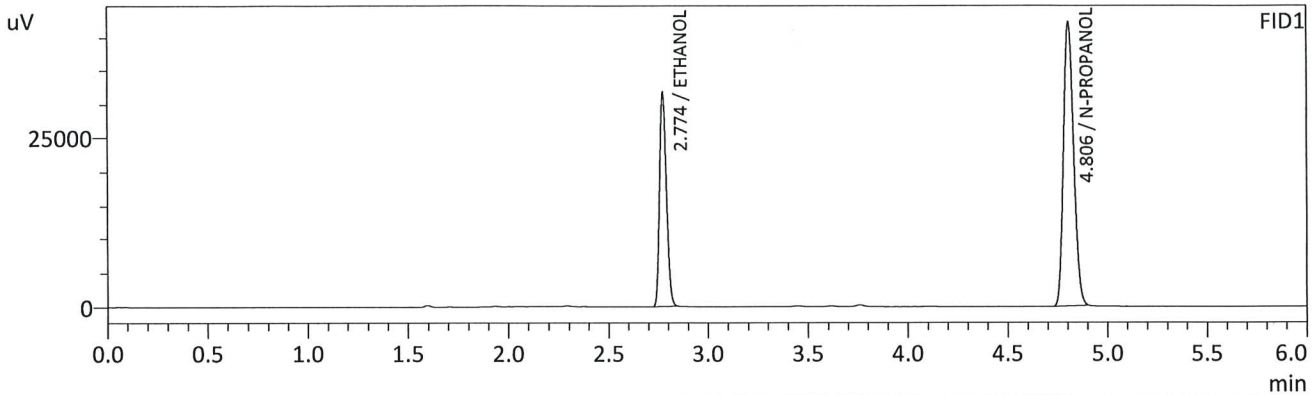
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2048	g/100cc	75068	31058
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	147428	41341
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2063	g/100cc	77155	37434
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152141	57071
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_1172024_032.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/17/2024 9:17:12 PM
 Date Processed : 1/17/2024 9:23:13 PM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2048	g/100cc	76553	31636
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150348	42264
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2062	g/100cc	78638	38101
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155159	58210
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2			Analysis Date(s): 1/18/2024 12:37:09 AM(-07:00)			
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0883	0.0922	0.0039	0.0902	0.0002	0.0903
(g/100cc)	0.0885	0.0923	0.0038	0.0904		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

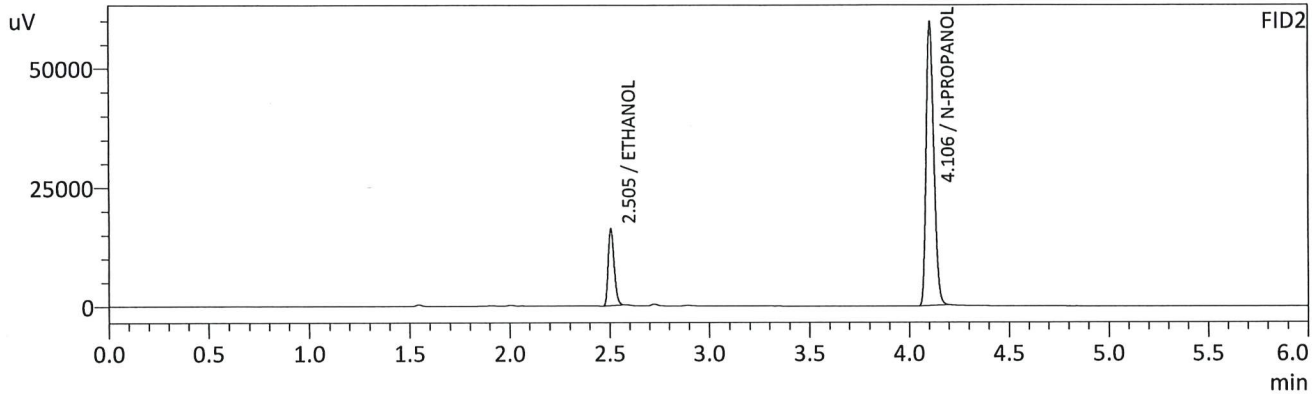
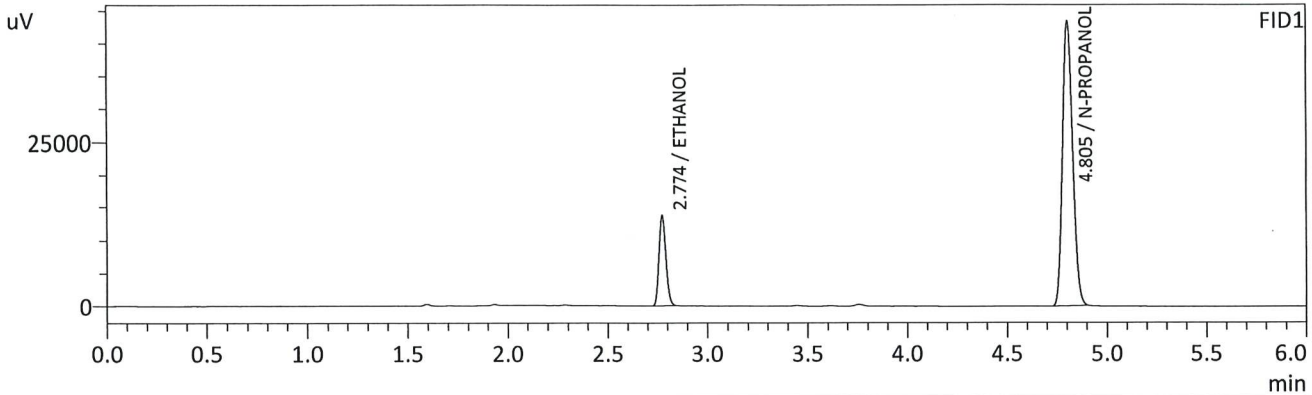
Refer To Instrument Method: ALCOHOL_011723_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.090	0.085	0.095	0.005

Reported Results	
0.090	

Calibration and control data are stored centrally.

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_1172024_053.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/18/2024 12:37:09 AM
 Date Processed : 1/18/2024 12:43:11 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

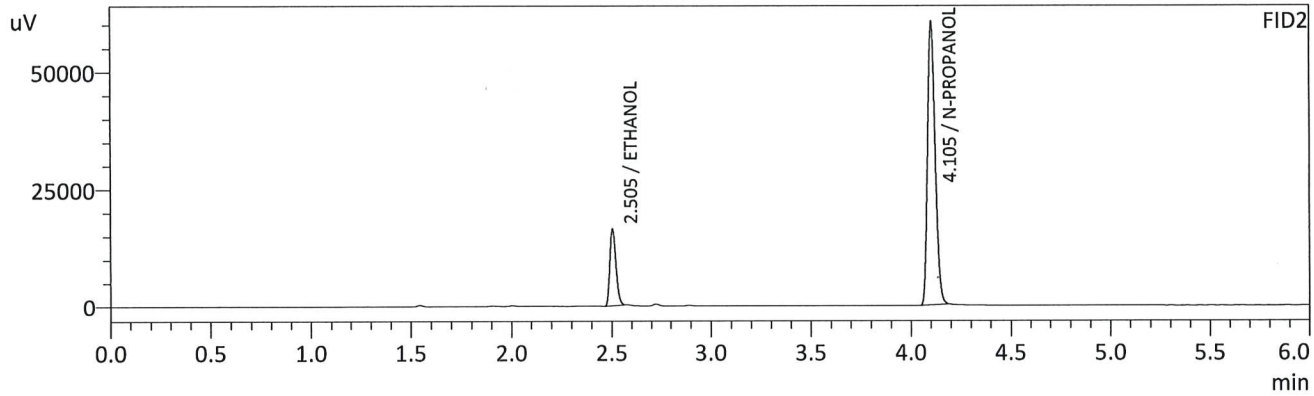
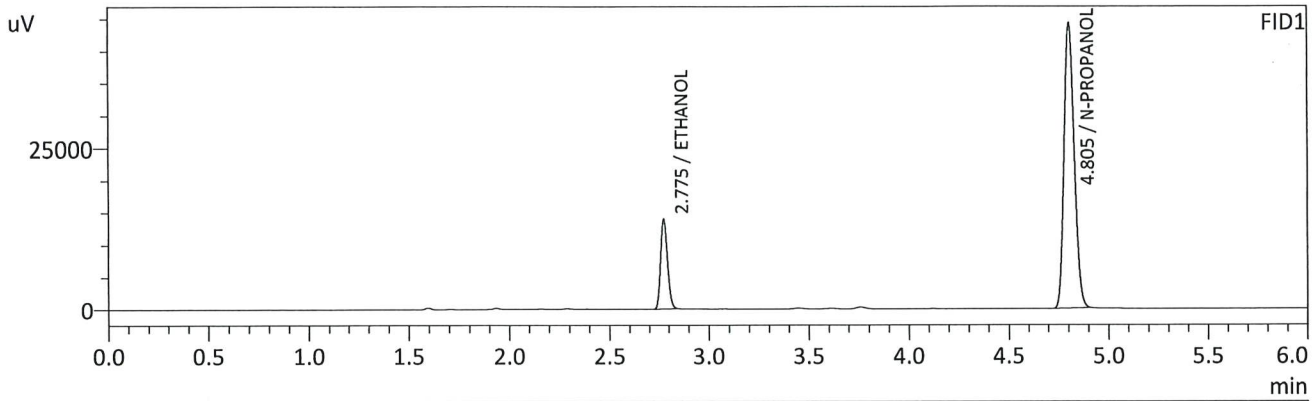
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	33183	13678
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154196	43446
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0922	g/100cc	33468	16053
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159246	59594
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

uFC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_1172024_054.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/18/2024 12:46:27 AM
 Date Processed : 1/18/2024 12:52:28 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

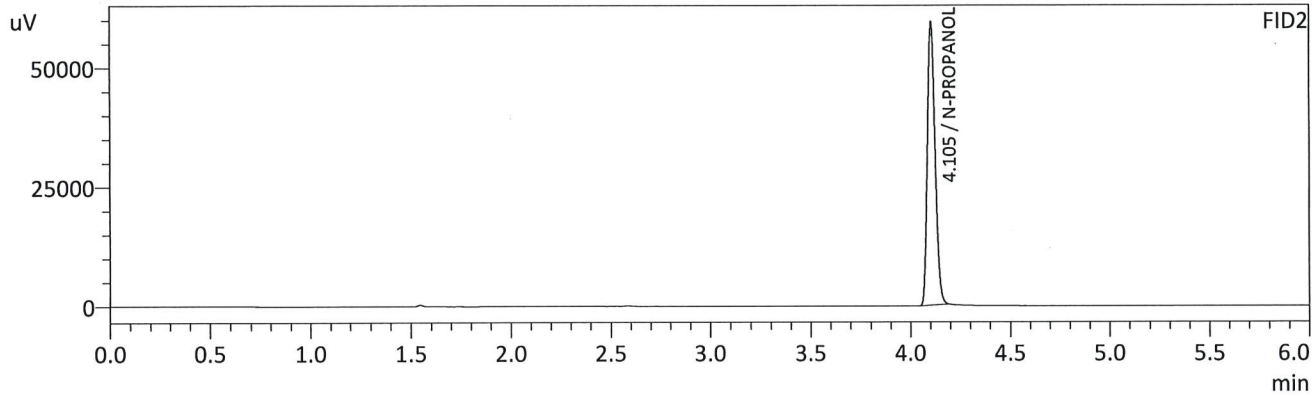
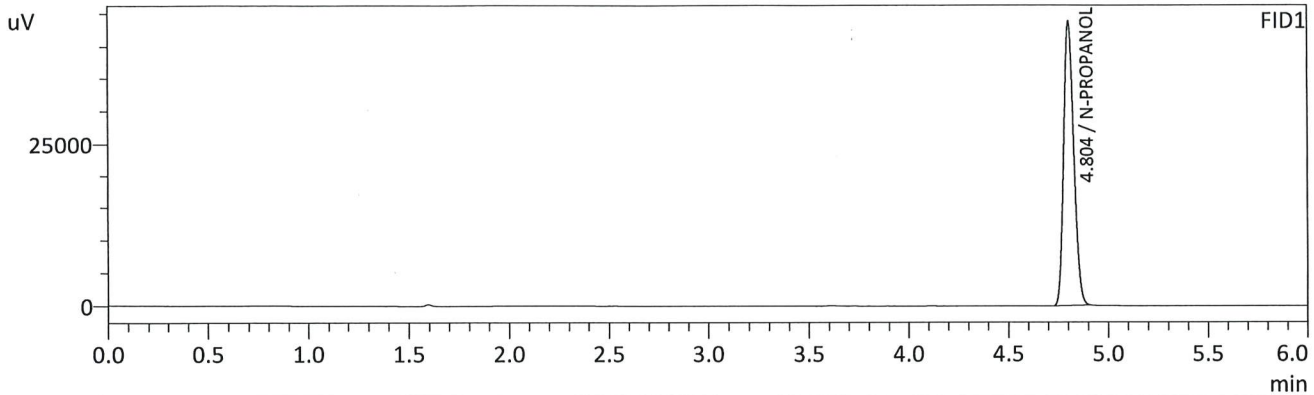
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0885	g/100cc	33773	13926
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156470	44185
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0923	g/100cc	34000	16351
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161641	60364
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

jc

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_1172024_055.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/18/2024 12:56:16 AM
 Date Processed : 1/18/2024 1:02:18 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_RC.gcm



FID1

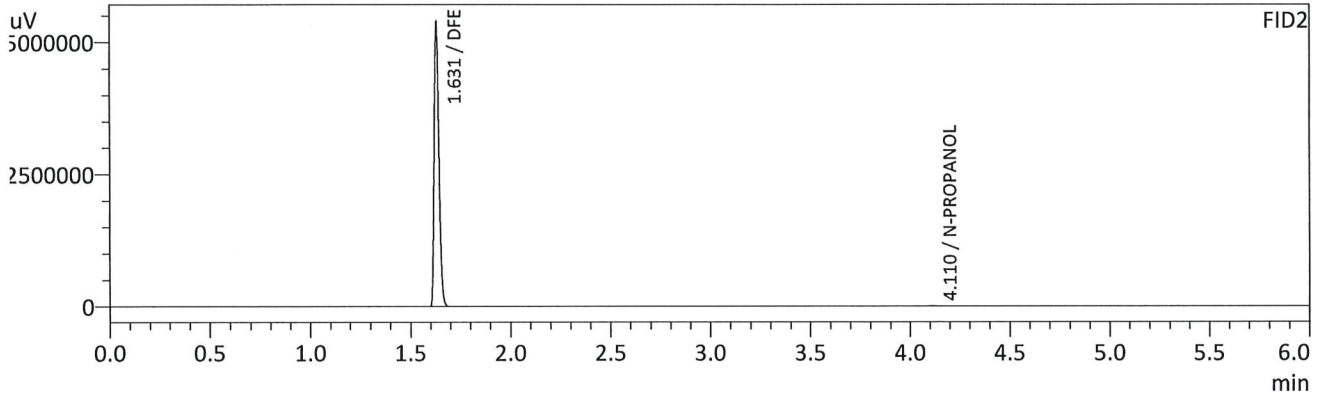
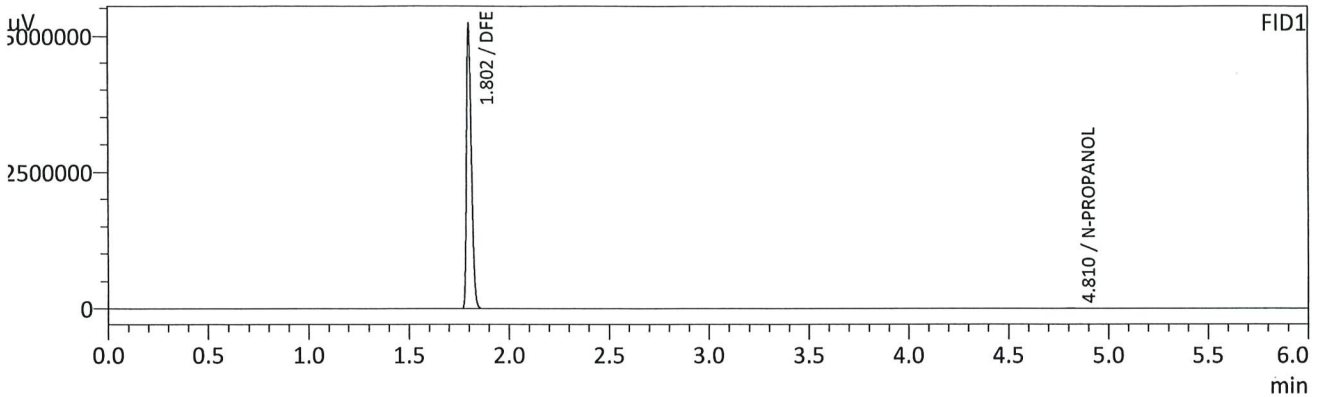
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154320	43755
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	158699	59495
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

WPC

Sample Name : DFE STD
 Vial # : 56
 Data Filename : DFE STD_1172024_056.gcd
 Method Filename : ALCOHOL_011723_RC.gcm
 Batch Filename : BATCH_011723_RC.gcb
 Date Acquired : 1/18/2024 1:05:41 AM
 Date Processed : 1/18/2024 1:11:43 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_011723_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	22727	6491
DFE	0.0000	g/100cc	8810028	5111731
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	21842	8183
DFE	0.0000	g/100cc	8973953	5374019
TFE	--	g/100cc	--	--

ARC

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_011723_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_011723_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_011723_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_011723_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_011723_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_011723_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_011723_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_011723_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_011723_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_011723_RC.gcm		0
13	P2023-4040-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
14	P2023-4040-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
15	P2024-0001-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
16	P2024-0001-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
17	P2024-0002-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
18	P2024-0002-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
19	P2024-0006-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
20	P2024-0006-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
21	P2024-0011-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
22	P2024-0011-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
23	P2024-0034-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
24	P2024-0034-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
25	P2024-0043-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
26	P2024-0043-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
27	P2024-0044-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
28	P2024-0044-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
29	P2024-0057-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
30	P2024-0057-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
33	P2024-0058-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
34	P2024-0058-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
35	P2024-0071-2	0:Unknown	ALCOHOL_011723_RC.gcm		0
36	P2024-0071-2-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
37	P2024-0083-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
38	P2024-0083-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
39	P2024-0085-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
40	P2024-0085-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
41	P2024-0086-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
42	P2024-0086-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
43	P2024-0087-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
44	P2024-0087-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
45	P2024-0100-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
46	P2024-0100-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
47	P2024-0101-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
48	P2024-0101-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
49	P2024-0129-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
50	P2024-0129-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
51	P2024-0132-1	0:Unknown	ALCOHOL_011723_RC.gcm		0
52	P2024-0132-1-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
53	QC1-2	0:Unknown	ALCOHOL_011723_RC.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL_011723_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_011723_RC.gcm		0
56	DFE STD	0:Unknown	ALCOHOL_011723_RC.gcm		0