

Worklist: 6263

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2023-0786	1	BCK	Alcohol Analysis	
P2023-0331	2	BCK	Alcohol Analysis	
P2023-0592	1	BCK	Alcohol Analysis	
P2023-0593	1	BCK	Alcohol Analysis	
P2023-0594	1	BCK	Alcohol Analysis	
P2023-0596	1	BCK	Alcohol Analysis	
P2023-0597	1	BCK	Alcohol Analysis	
P2023-0598	1	BCK	Alcohol Analysis	
P2023-0611	1	BCK	Alcohol Analysis	
P2023-0612	1	BCK	Alcohol Analysis	
P2023-0613	1	BCK	Alcohol Analysis	
P2023-0631	1	BCK	Alcohol Analysis	
P2023-0632	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): 3/2/23

Calibration Date: (if different):

Worklist #: 6263

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0726 g/100cc 0.0784 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2165 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:		Column 1	0.99999	Column2	0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0504	0.0515	0.0011	0.0509
100	0.100	0.090 - 0.110	0.0999	0.0998	0.0001	0.0998
200	0.200	0.180 - 0.220	0.1996	0.1988	0.0008	0.1992
300	0.300	0.270 - 0.330	0.2994	0.2985	0.0009	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5004	0.5012	0.0008	0.5008

Aqueous Controls

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

REVIEWED

By Galina Giso at 8:17 am, Mar 06, 2023

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6263	Run Date(s):	3/2/23
--------------------	-------------	---------------------	---------------

Internal Standard Solution:	Prep Date:	1/14/2023	Exp Date:	7/14/2023
-----------------------------	------------	-----------	-----------	-----------

Sample Name	Column 1 Value	Column 2 Value
0.080	169469	176630
0.080	169827	176754
QC1	171533	178757
QC1	171668	178767
QC1	174135	180889
QC1	172092	178968
QC1		
QC1		
QC2	165502	171562
QC2	166754	173027
QC2		

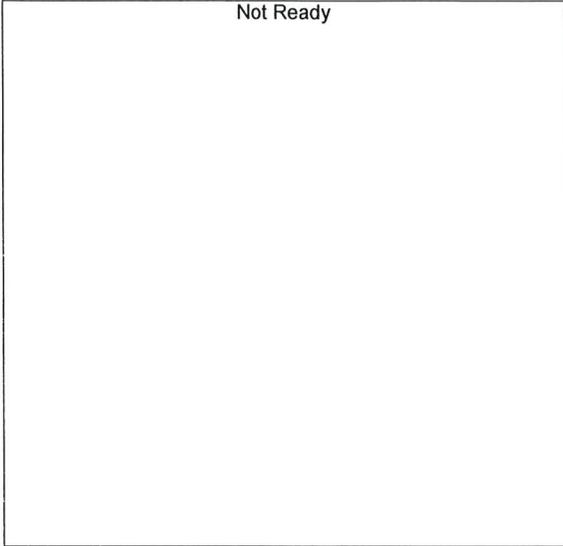
	Average	(-)20%	(+)20%
Column 1	170122.5	136098.0	204147.0
Column 2	176919.3	141535.4	212303.1

Revision: 5
 Issue Date: 07/05/2022
 Issuing Authority: Quality Manager

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

Laboratory: Pocatello
Instrument Name : G1KG333-Instrument1

<<Data File>>
Method File :Default Project - ALCOHOL_030223_RC.gcm
Batch File :Default Project - BATCH_033223_RC.gcb
Date Acquired :3/2/2023 12:30:55 PM
Date Created :3/2/2023 12:27:25 PM
Date Modified :3/3/2023 9:18:28 AM



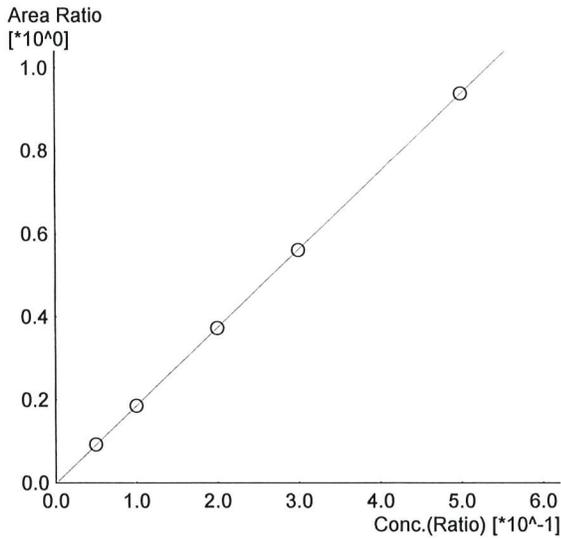
Name : METHANOL
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



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



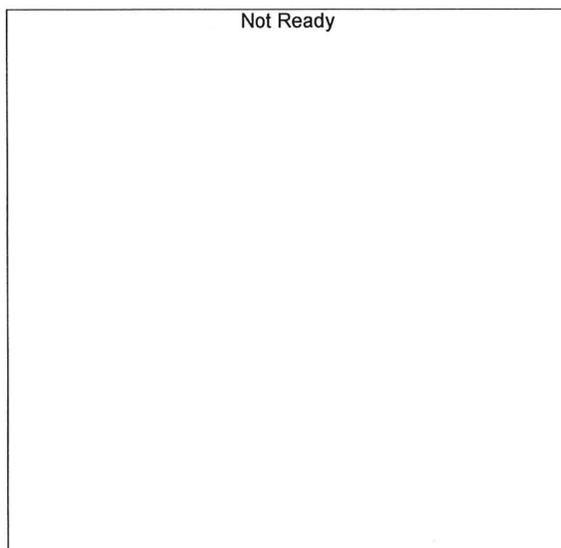
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.88012*x-0.00273558$
 R^2 value= 0.9999934
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15507	0.0504	0.050_322023_001.gcd
2	0.100	31540	0.0999	0.100_322023_002.gcd
3	0.200	63737	0.1996	0.200_322023_003.gcd
4	0.300	96412	0.2994	0.300_322023_004.gcd
5	0.500	161900	0.5004	0.500_322023_005.gcd



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

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



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

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

Not Ready

Name : DFE
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

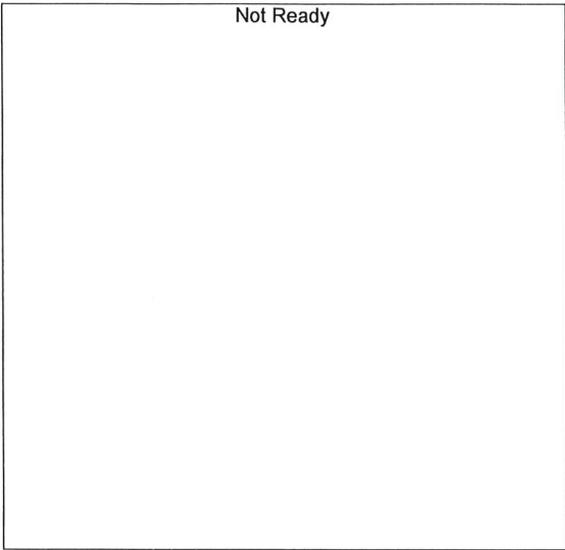
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

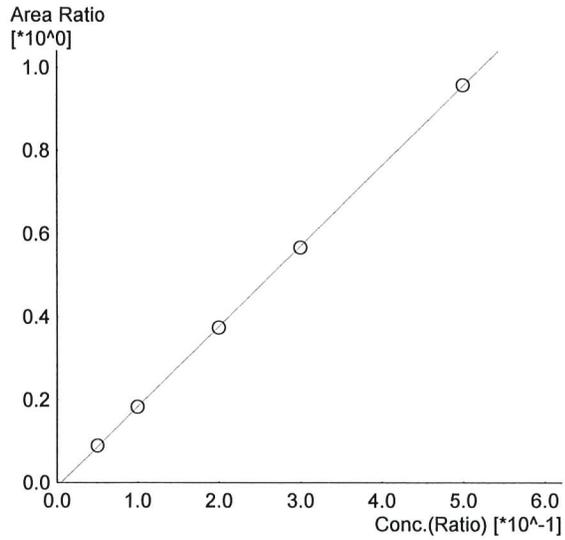
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



Name : 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 : $f(x)=1.93047*x-0.00964718$
 R² value= 0.9999431
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15677	0.0515	0.050_322023_001.gcd
2	0.100	32417	0.0998	0.100_322023_002.gcd
3	0.200	66471	0.1988	0.200_322023_003.gcd
4	0.300	101423	0.2985	0.300_322023_004.gcd
5	0.500	171707	0.5012	0.500_322023_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

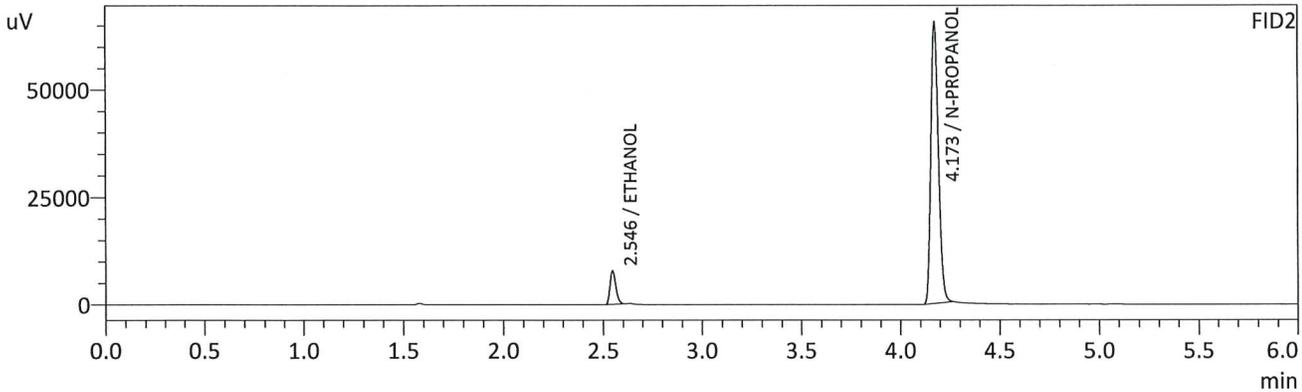
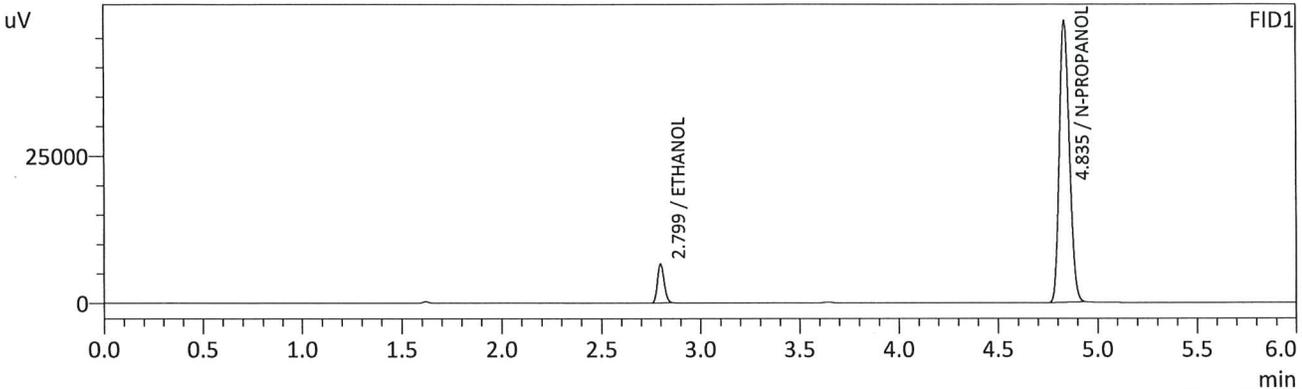
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

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_322023_001.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 11:52:48 AM
 Date Processed : 3/3/2023 9:18:12 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

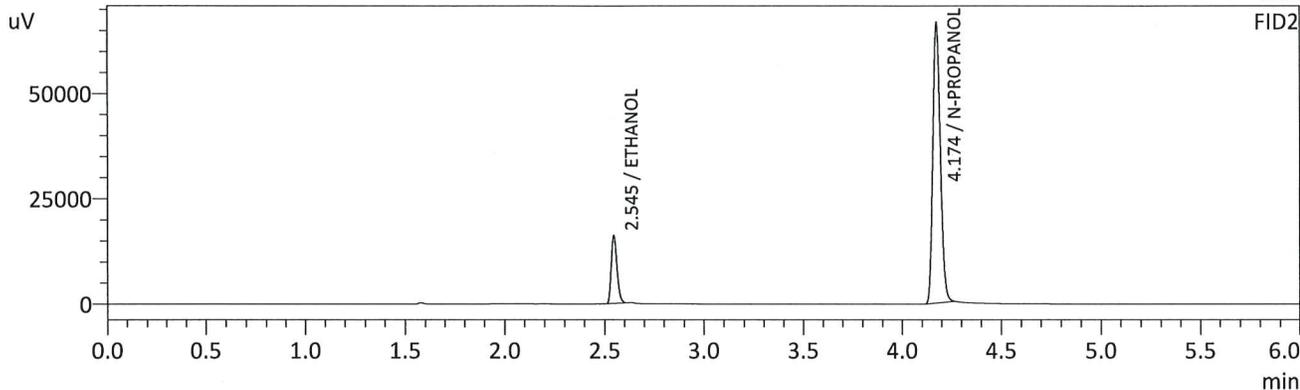
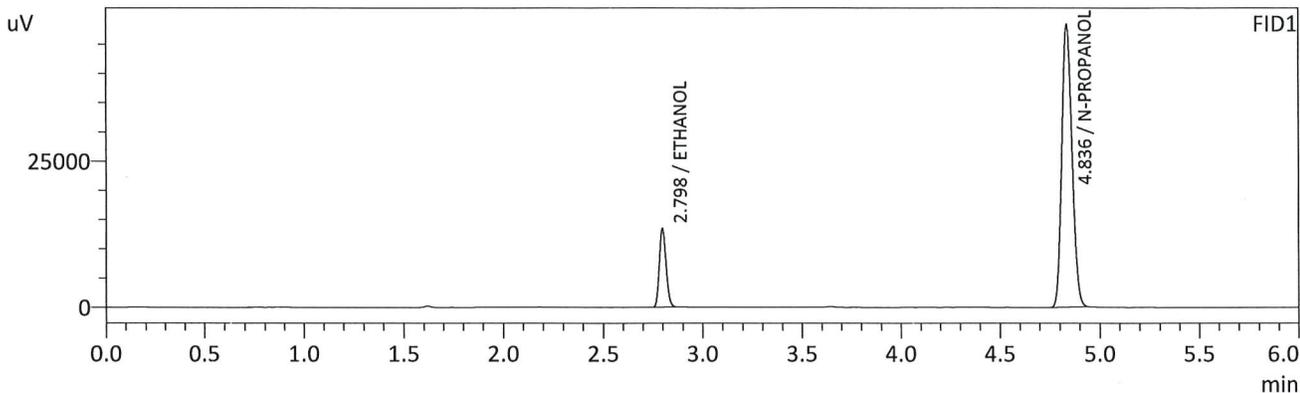
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15507	6617
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168200	47676
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0515	g/100cc	15677	7769
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174454	65102
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_322023_002.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:02:18 PM
 Date Processed : 3/3/2023 9:18:17 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

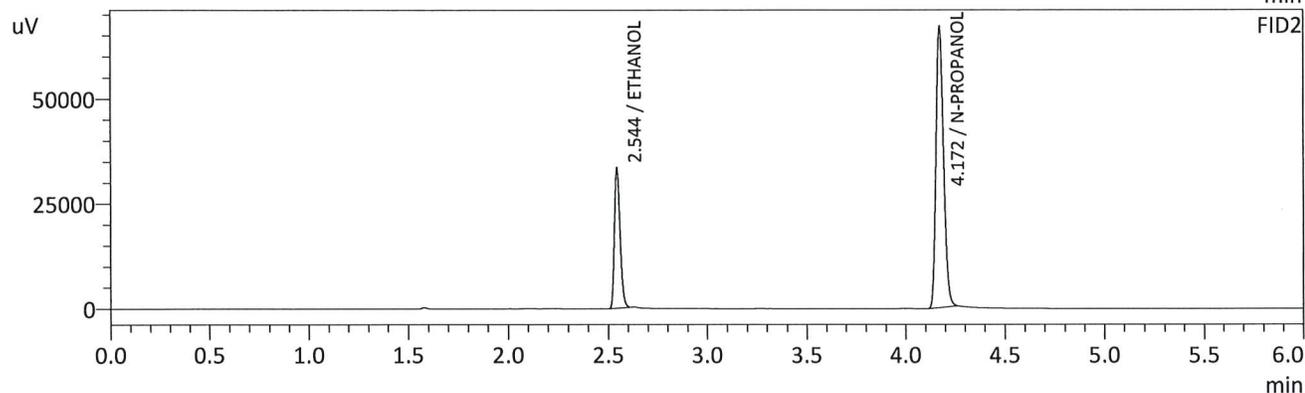
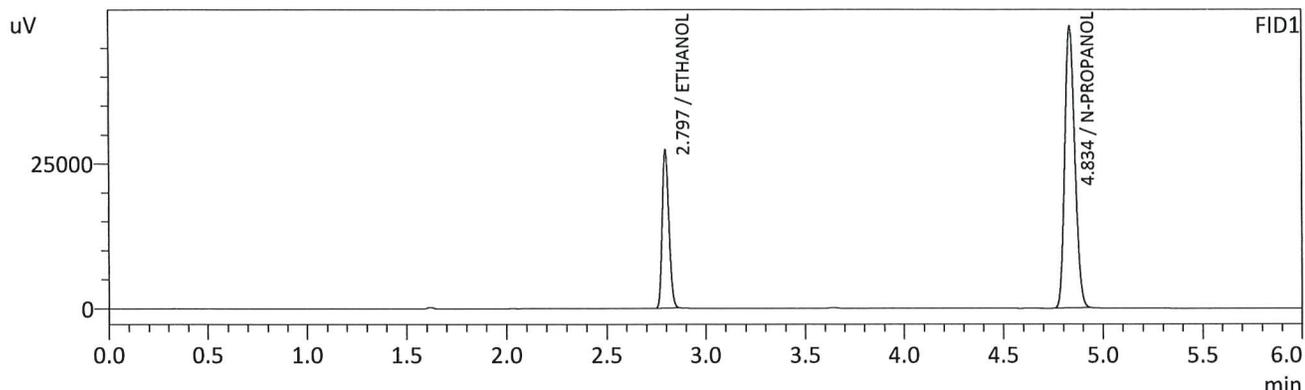
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0999	g/100cc	31540	13461
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170273	48283
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0998	g/100cc	32417	16125
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177044	66618
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_322023_003.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:11:38 PM
 Date Processed : 3/3/2023 9:18:21 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

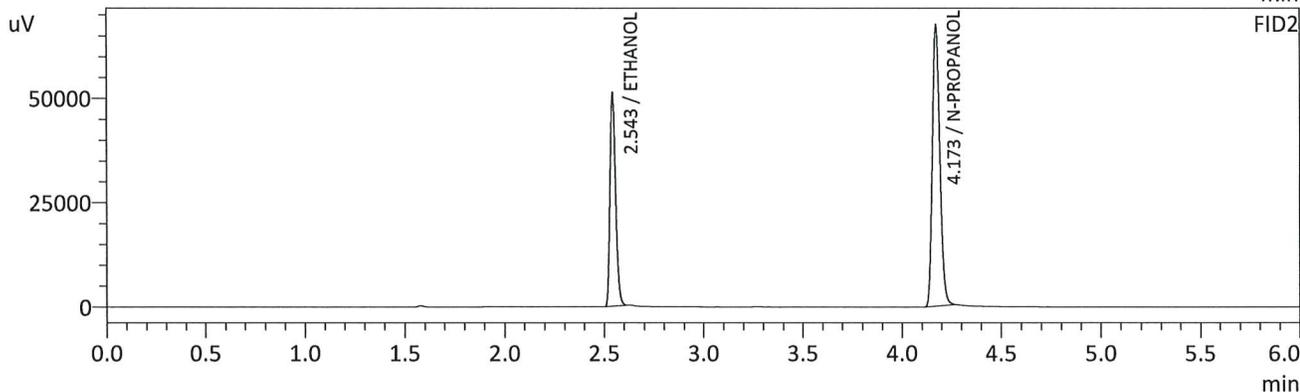
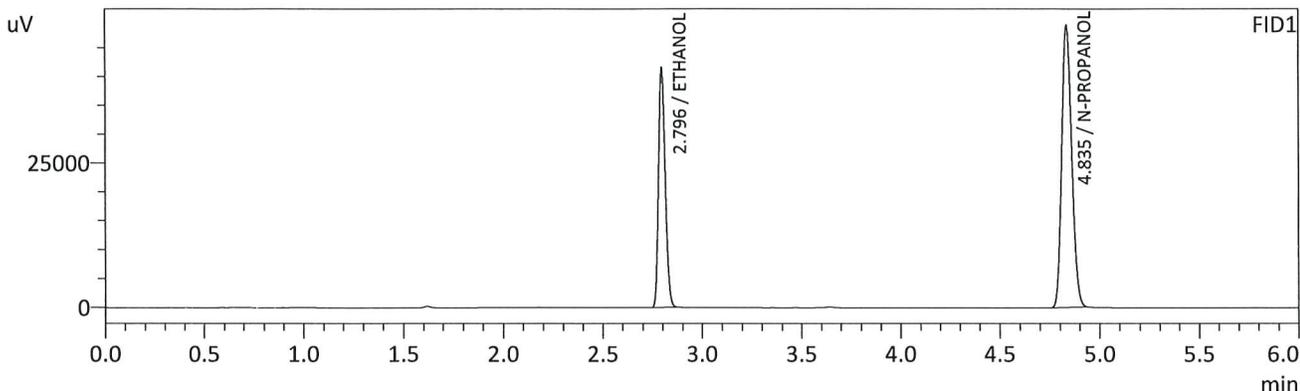
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1996	g/100cc	63737	27179
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171026	48598
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	66471	32898
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177619	66320
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_322023_004.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:21:22 PM
 Date Processed : 3/3/2023 9:18:24 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

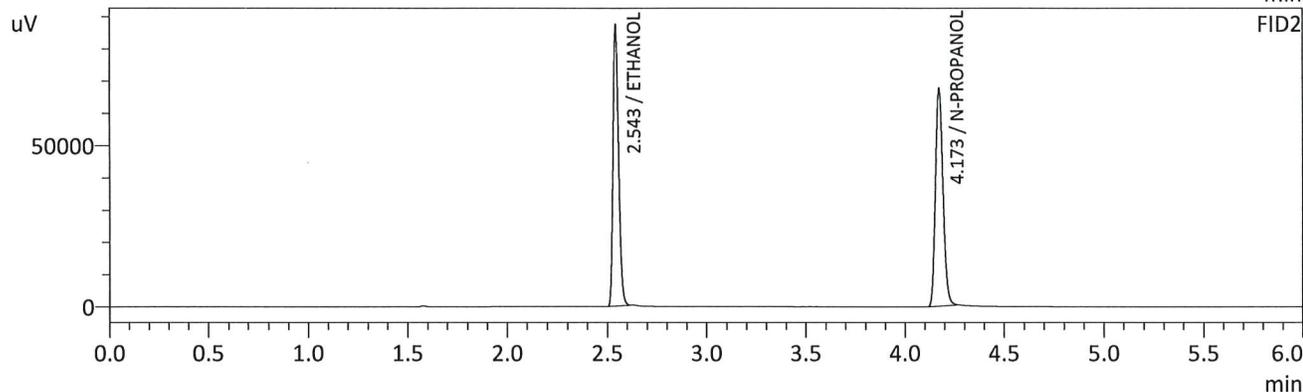
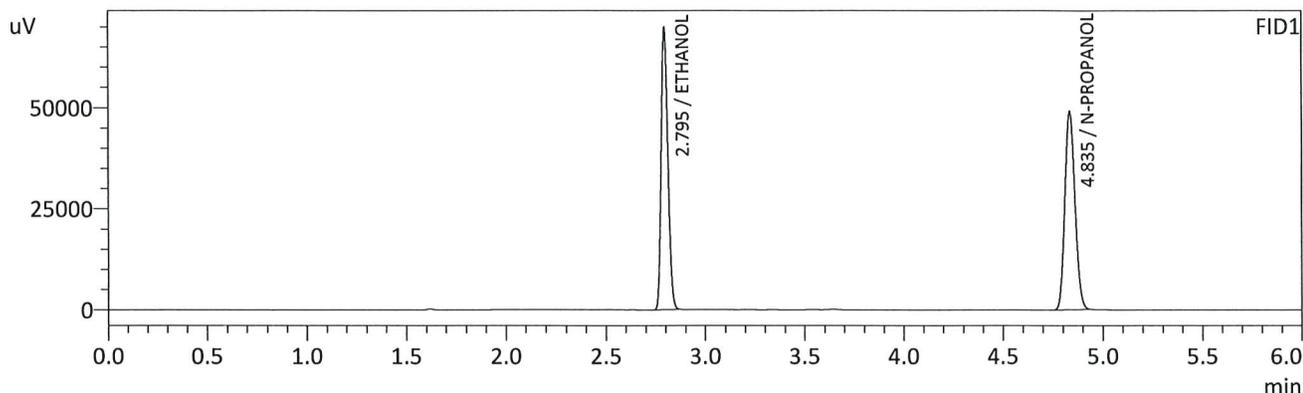
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2994	g/100cc	96412	41048
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172091	48721
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2985	g/100cc	101423	50597
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178971	66905
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_322023_005.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:30:55 PM
 Date Processed : 3/3/2023 9:18:28 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

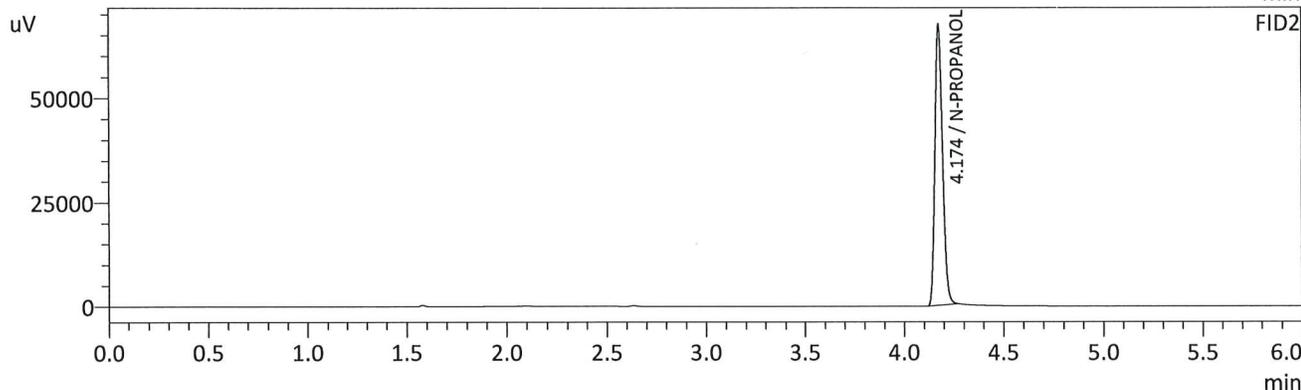
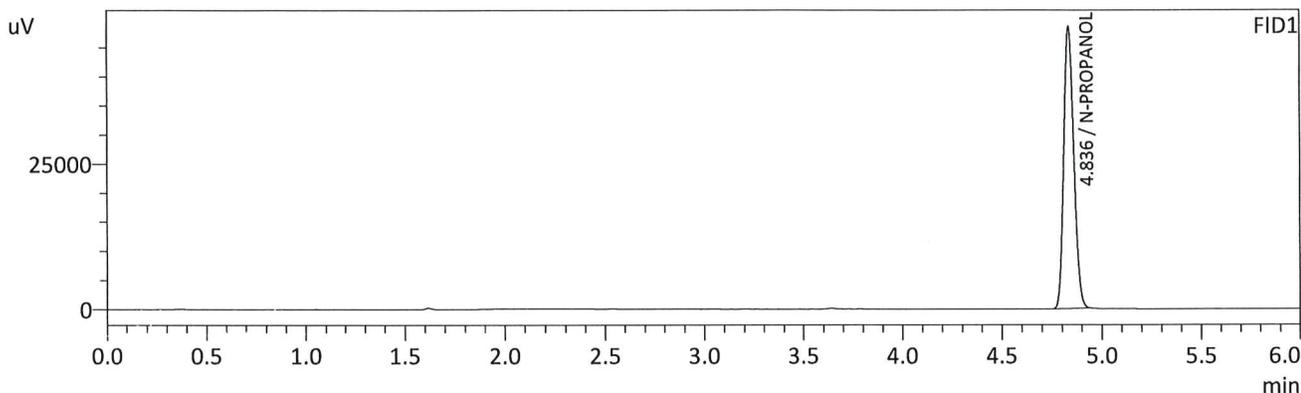
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5004	g/100cc	161900	69133
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172578	48853
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	171707	86432
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179251	67055
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_322023_006.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:40:13 PM
 Date Processed : 3/3/2023 9:18:33 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

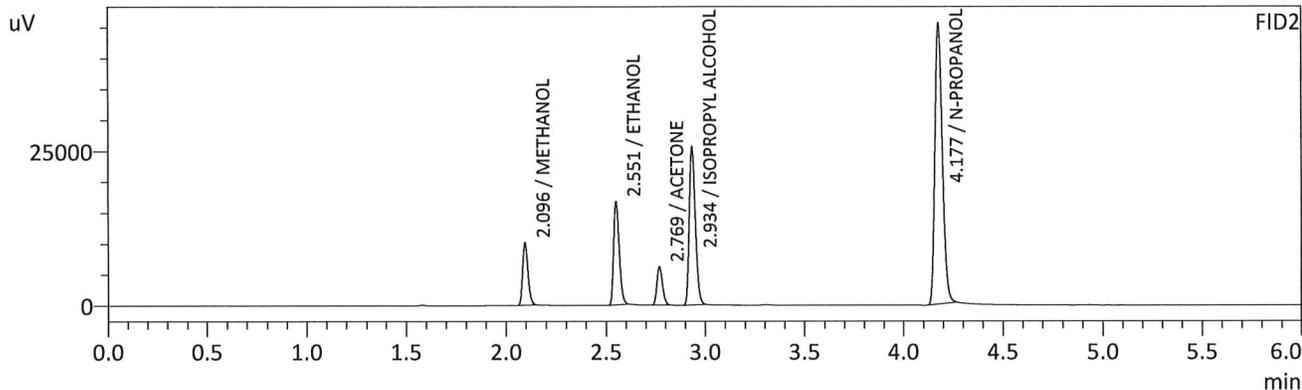
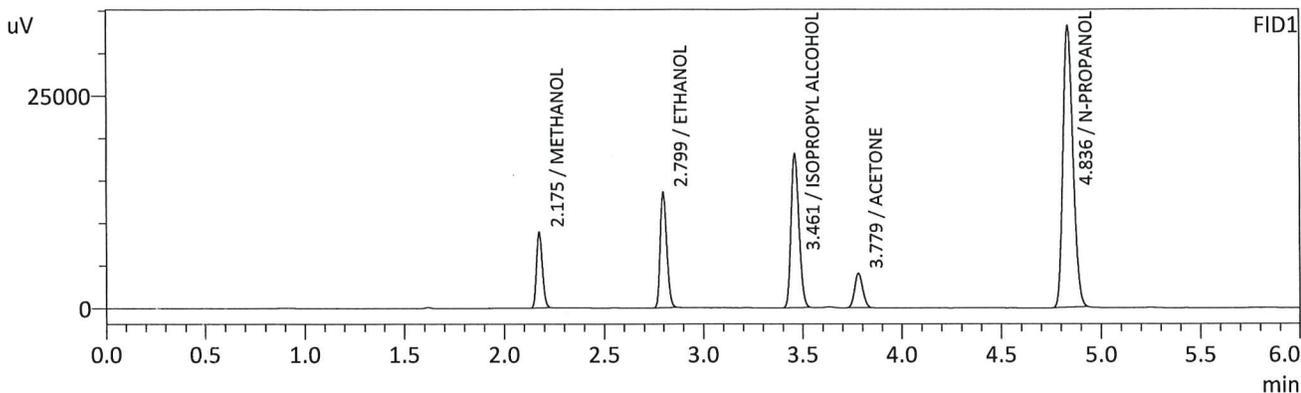
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170546	48454
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	177665	67202
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_322023_007.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:49:58 PM
 Date Processed : 3/3/2023 9:18:36 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

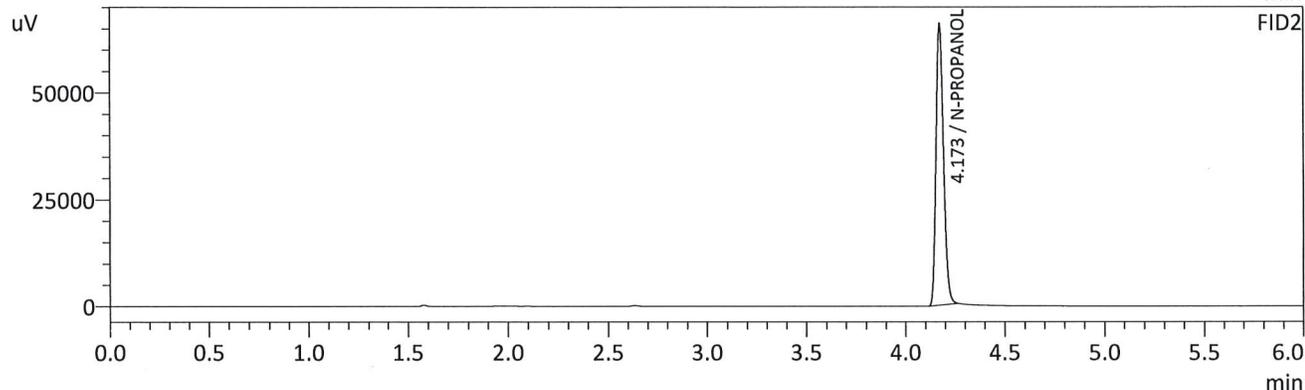
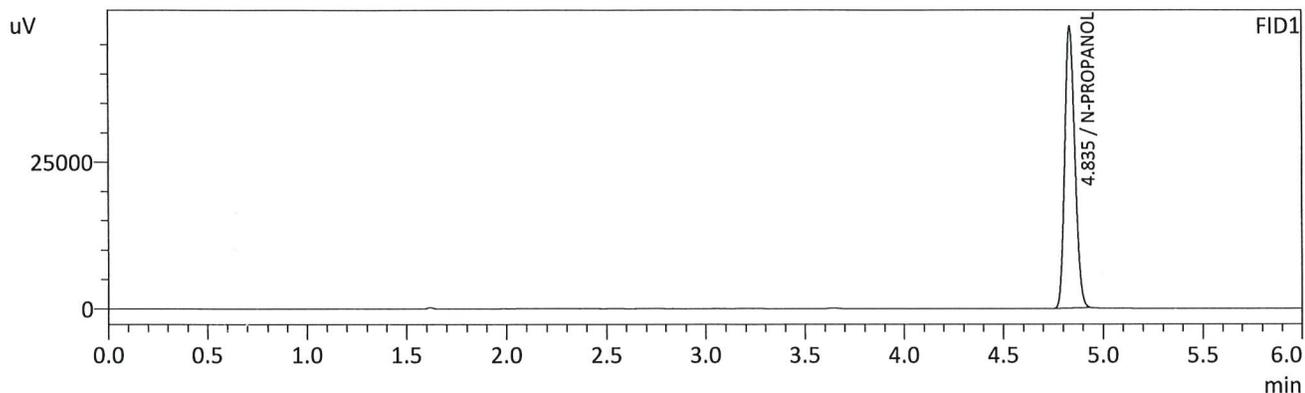
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17882	8771
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1452	g/100cc	31215	13539
ISOPROPYL ALCOHOL	0.0000	g/100cc	50198	18077
ACETONE	0.0000	g/100cc	11282	3992
N-PROPANOL	0.0000	g/100cc	115447	33107
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18797	9897
ETHANOL	0.1472	g/100cc	32899	16668
ACETONE	0.0000	g/100cc	12325	6174
ISOPROPYL ALCOHOL	0.0000	g/100cc	53343	25491
N-PROPANOL	0.0000	g/100cc	119784	45101
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_322023_008.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 12:59:29 PM
 Date Processed : 3/3/2023 9:18:40 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_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	168428	47842
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	175007	65595
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 3/2/2023 1:08:46 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0724	0.0729	0.0005	0.0726	0.0001	0.0726
(g/100cc)	0.0724	0.0730	0.0006	0.0727		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

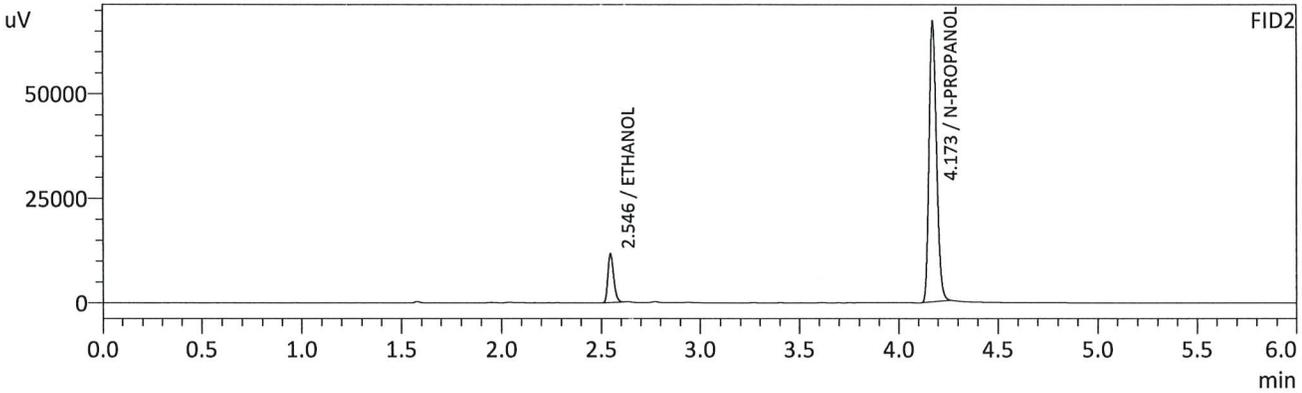
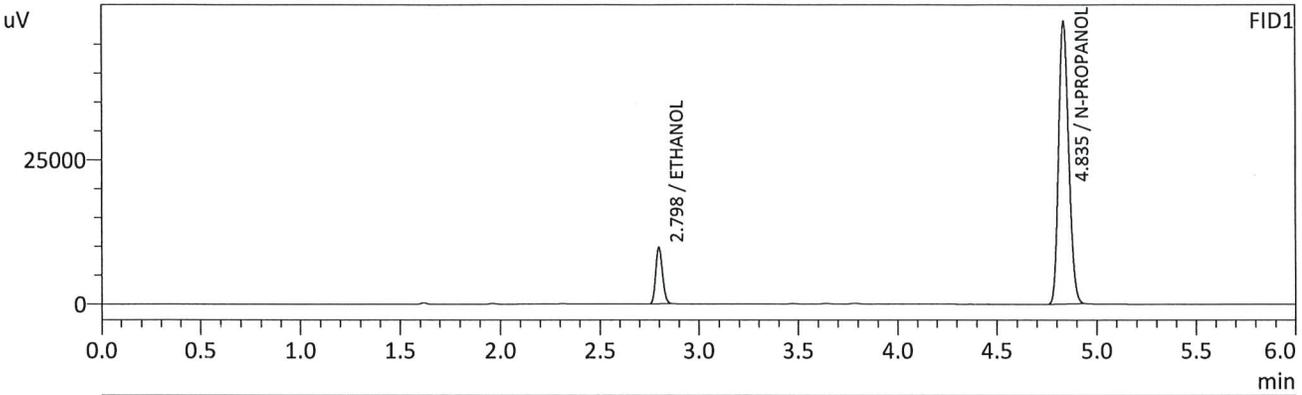
Refer To Instrument Method: ALCOHOL_030223_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.072	0.068	0.076	0.004

Reported Results	
0.072	

Calibration and control data are stored centrally.

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_322023_009.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 1:08:46 PM
 Date Processed : 3/3/2023 9:18:42 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



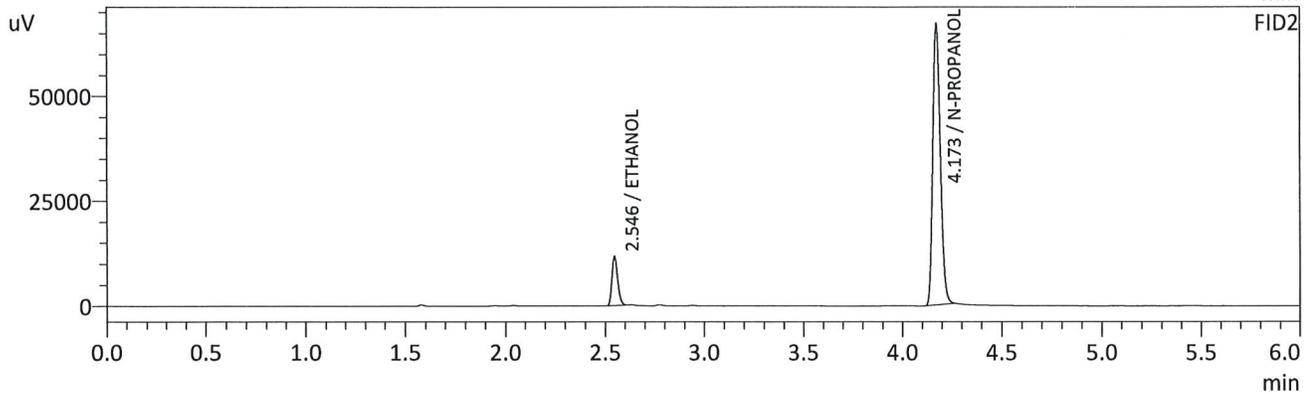
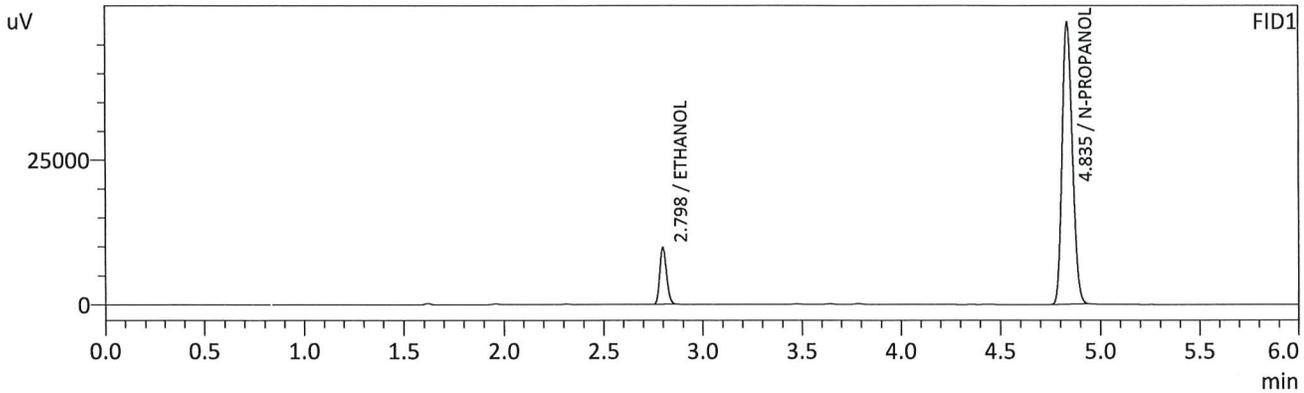
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0724	g/100cc	22886	9765
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171533	48728
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0729	g/100cc	23443	11625
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178757	66939
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_322023_010.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 1:18:32 PM
 Date Processed : 3/3/2023 9:18:46 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0724	g/100cc	22902	9790
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171668	48579
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0730	g/100cc	23481	11652
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178767	66763
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): 3/2/2023 1:28:03 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0808	0.0005	0.0805	0.0002	0.0806
(g/100cc)	0.0804	0.0811	0.0007	0.0807		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

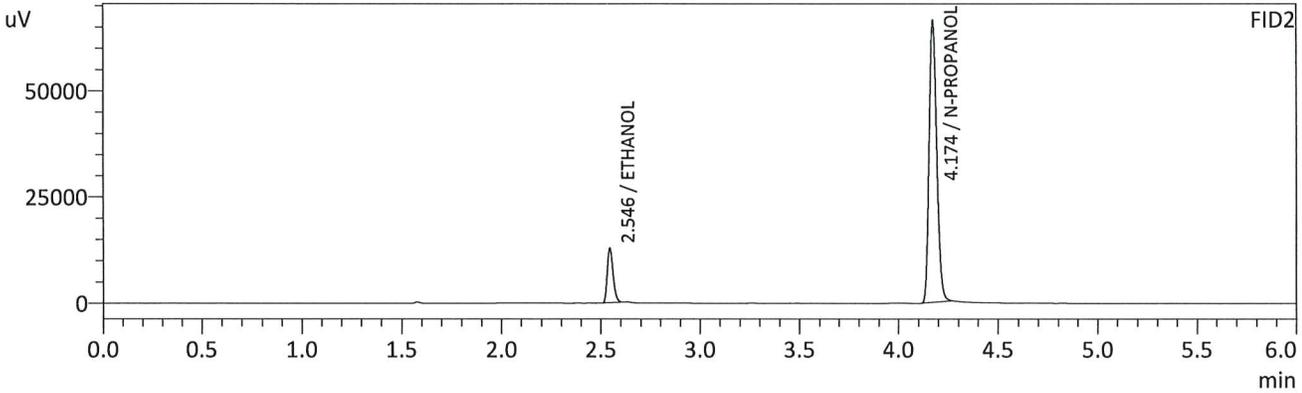
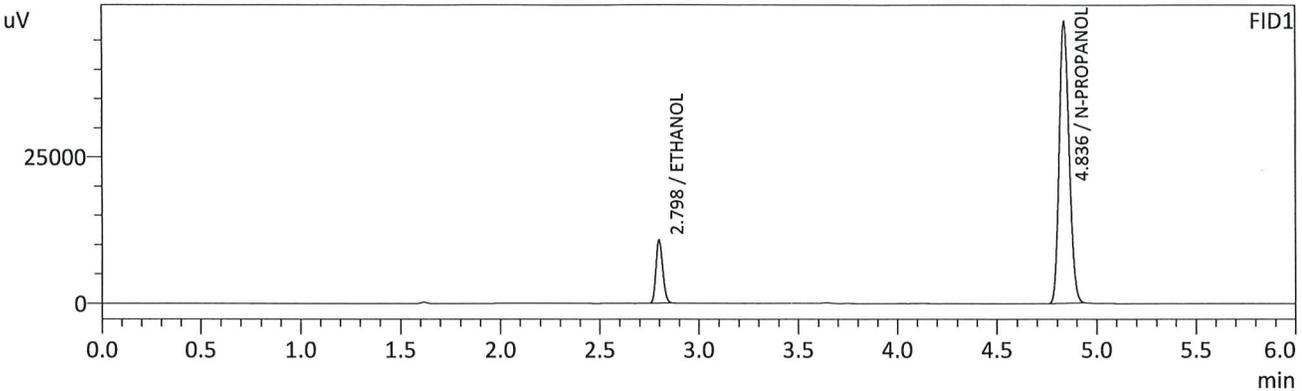
Refer To Instrument Method: ALCOHOL_030223_RC.gcm

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_322023_011.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 1:28:03 PM
 Date Processed : 3/3/2023 9:18:50 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

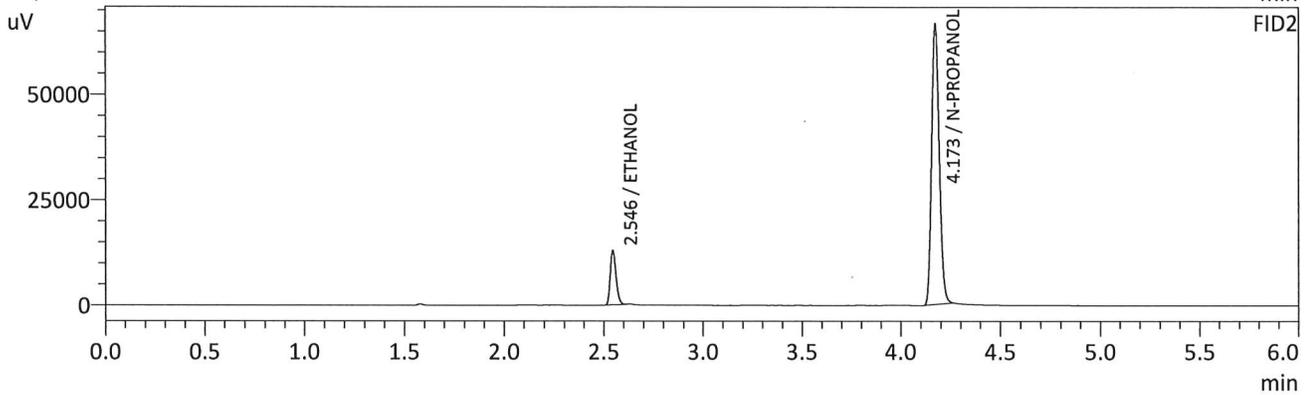
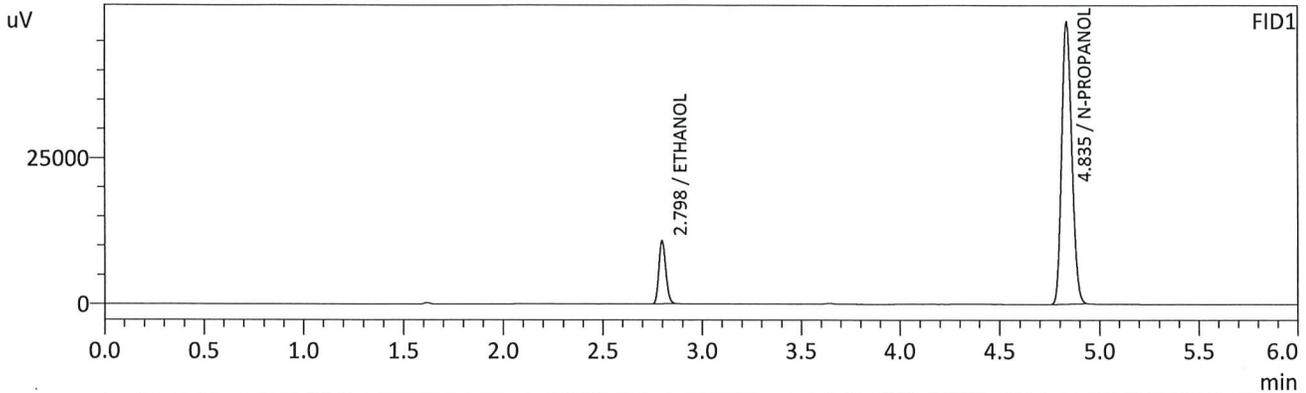
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	25139	10729
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169469	48135
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	25850	12852
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176630	66227
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_322023_012.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 1:37:20 PM
 Date Processed : 3/3/2023 9:18:54 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	25233	10782
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169827	48117
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25997	12929
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176754	66123
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 3/2/2023 4:38:23 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2152	0.2169	0.0017	0.2160	0.0010	0.2165
(g/100cc)	0.2161	0.2179	0.0018	0.2170		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030223_RC.gcm

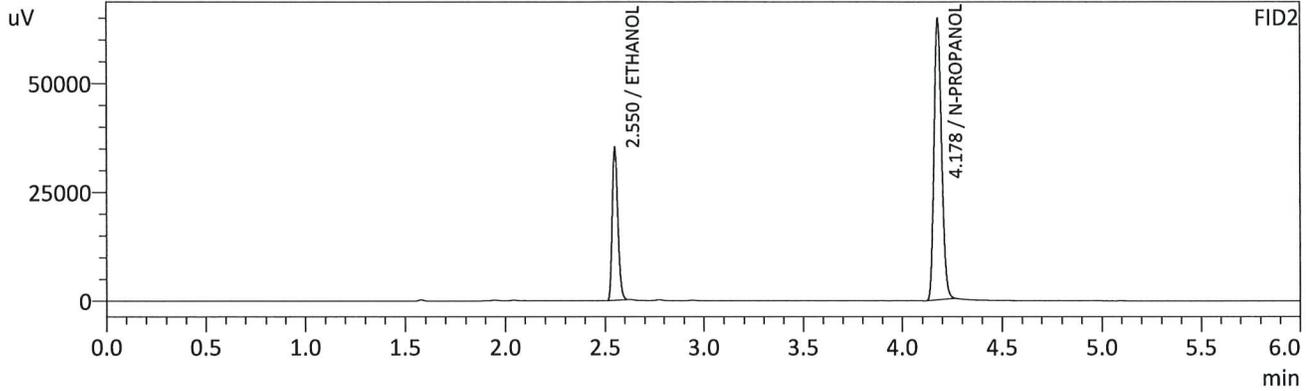
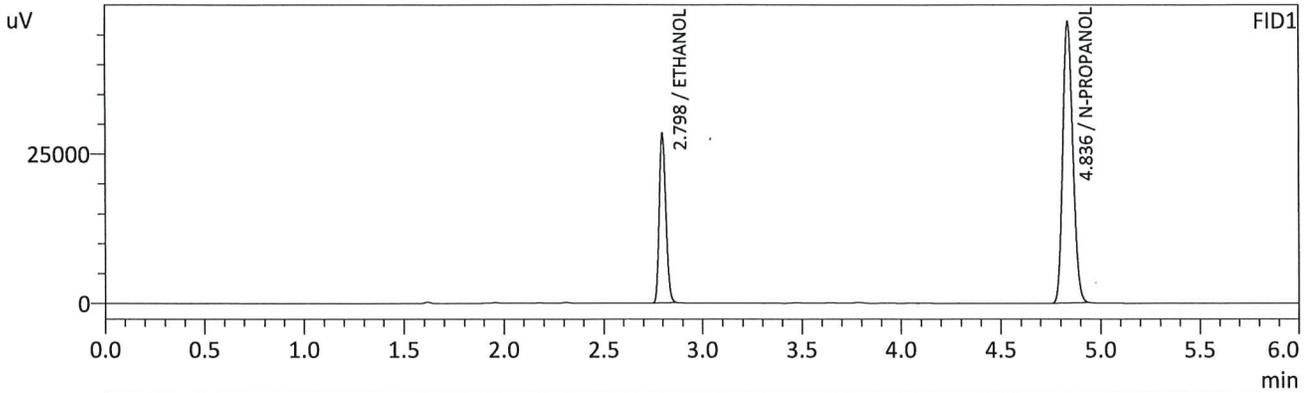
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.216	0.205	0.227	0.011

	Reported Results
	0.216

Calibration and control data are stored centrally.

ARC

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_322023_031.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 4:38:23 PM
 Date Processed : 3/3/2023 9:20:04 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

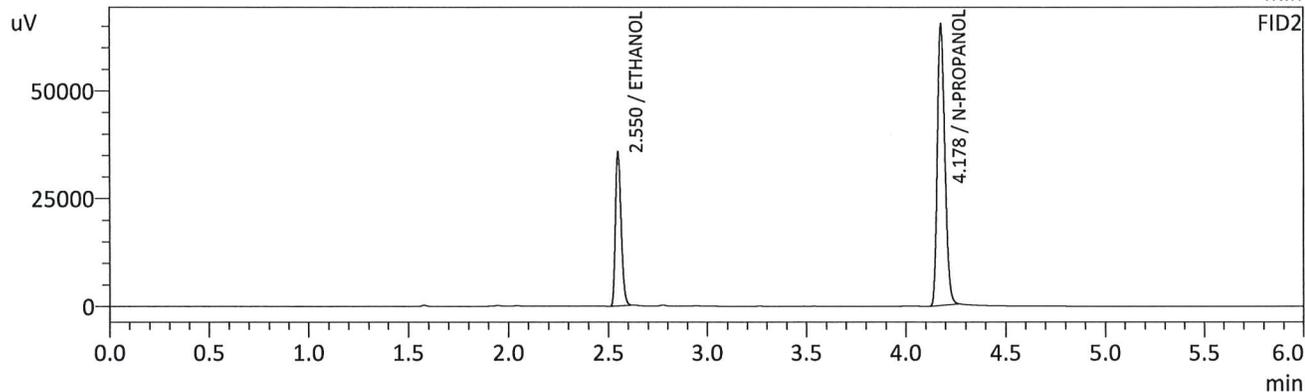
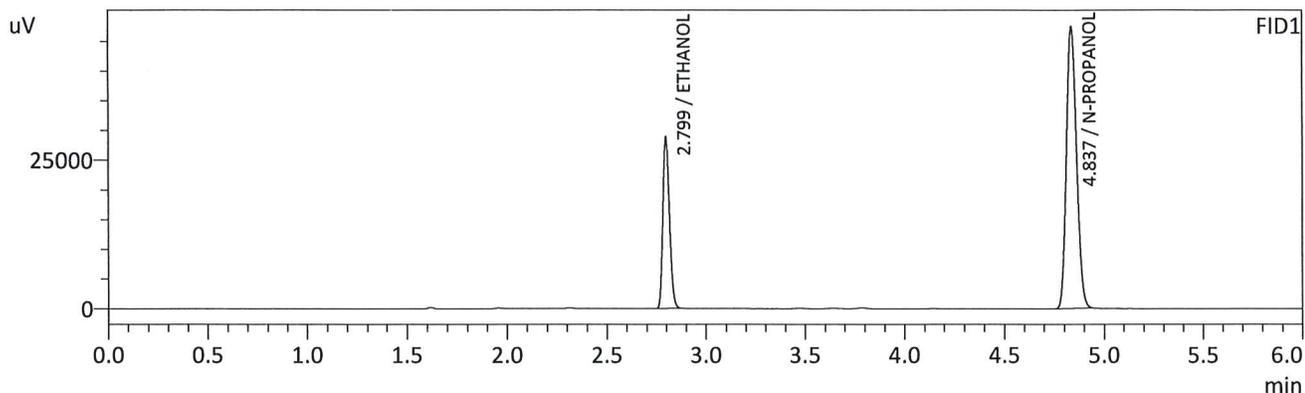
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2152	g/100cc	66513	28366
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165502	47133
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2169	g/100cc	70208	35052
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171562	64354
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ARC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_322023_032.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 4:47:54 PM
 Date Processed : 3/3/2023 9:20:07 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2161	g/100cc	67302	28784
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166754	47439
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2179	g/100cc	71130	35602
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173027	65152
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 3/2/2023 6:13:36 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0790	0.0014	0.0783	0.0002	0.0784
(g/100cc)	0.0778	0.0793	0.0015	0.0785		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_030223_RC.gcm

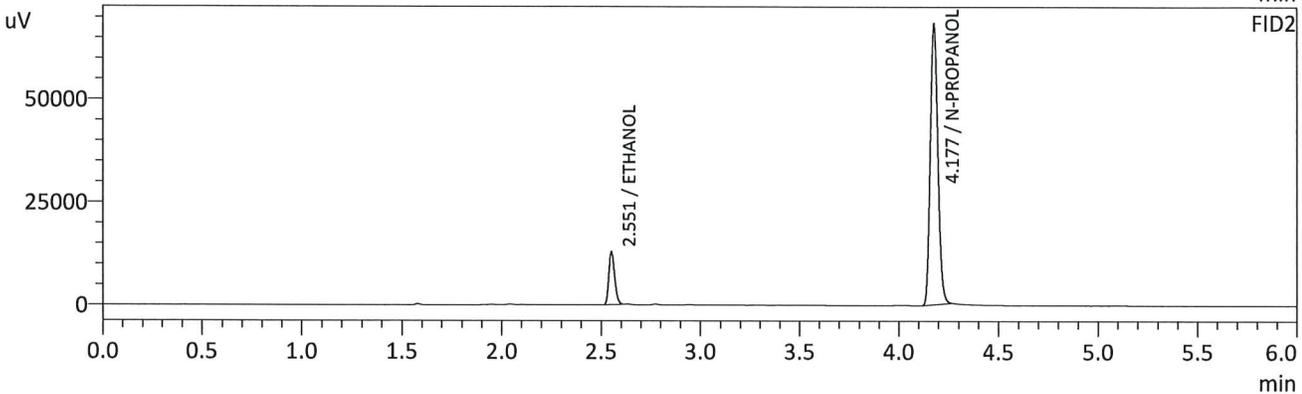
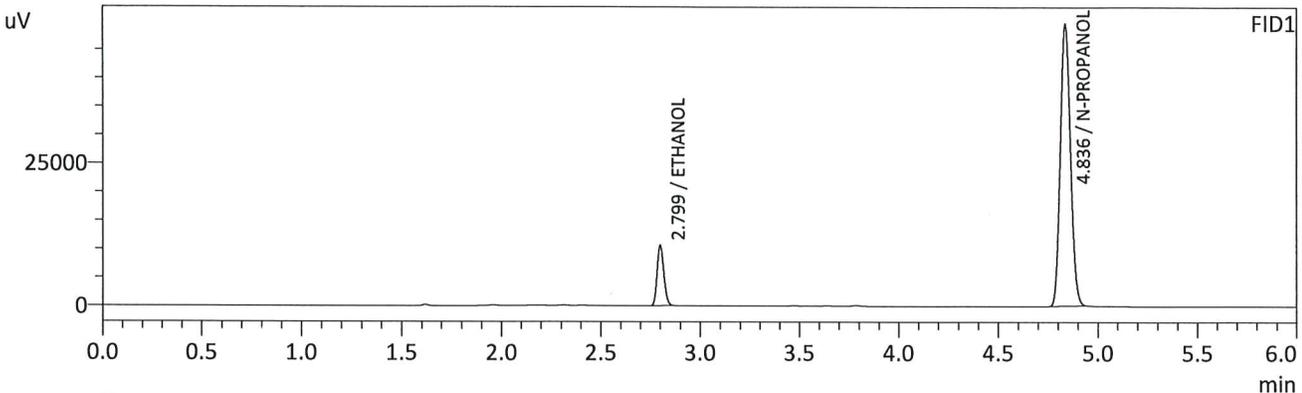
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

	Reported Results
	0.078

Calibration and control data are stored centrally.

ARC

Sample Name : QC1-2
 Vial # : 41
 Data Filename : QC1-2_322023_041.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 6:13:36 PM
 Date Processed : 3/3/2023 9:20:40 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

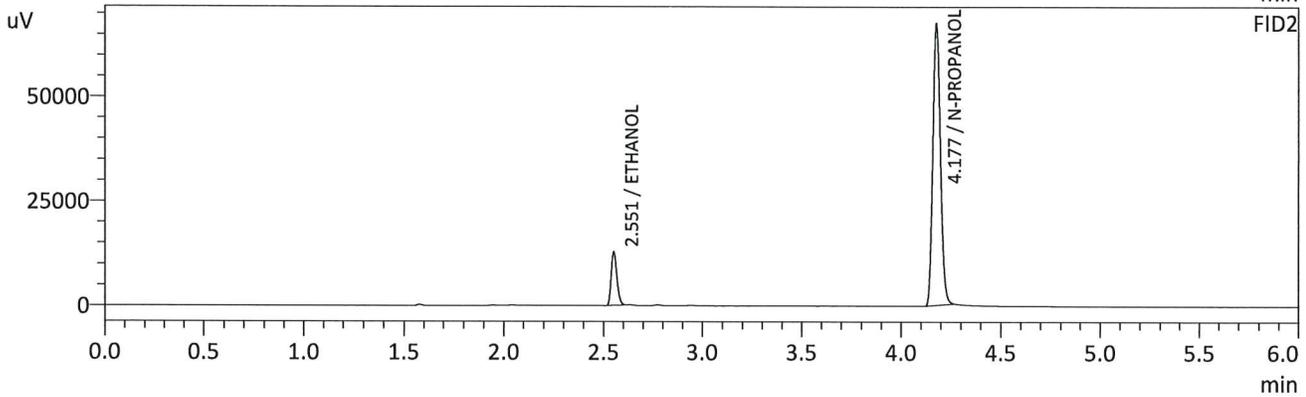
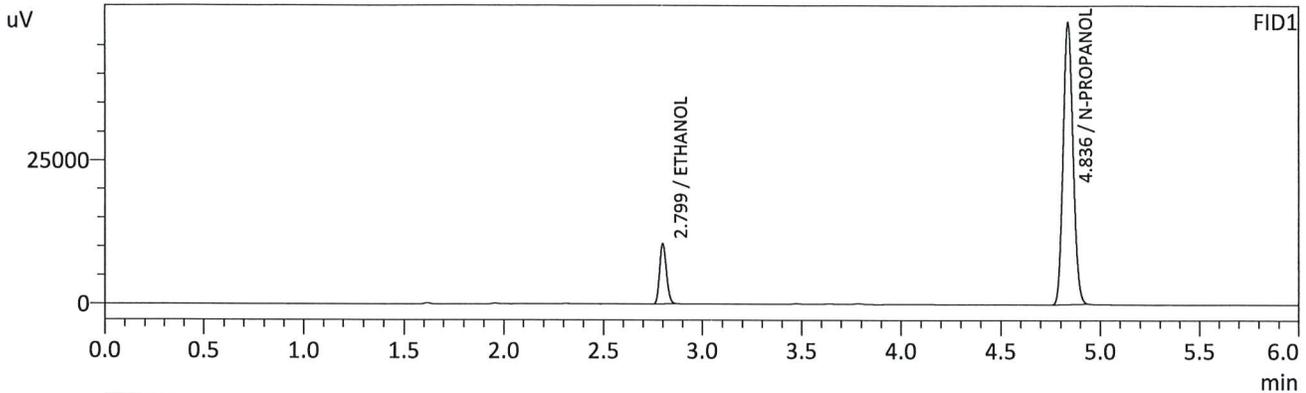
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	24960	10569
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174135	49456
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0790	g/100cc	25871	12862
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180889	67764
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YAC

Sample Name : QC1-2-B
 Vial # : 42
 Data Filename : QC1-2-B_322023_042.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 6:22:54 PM
 Date Processed : 3/3/2023 9:20:44 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

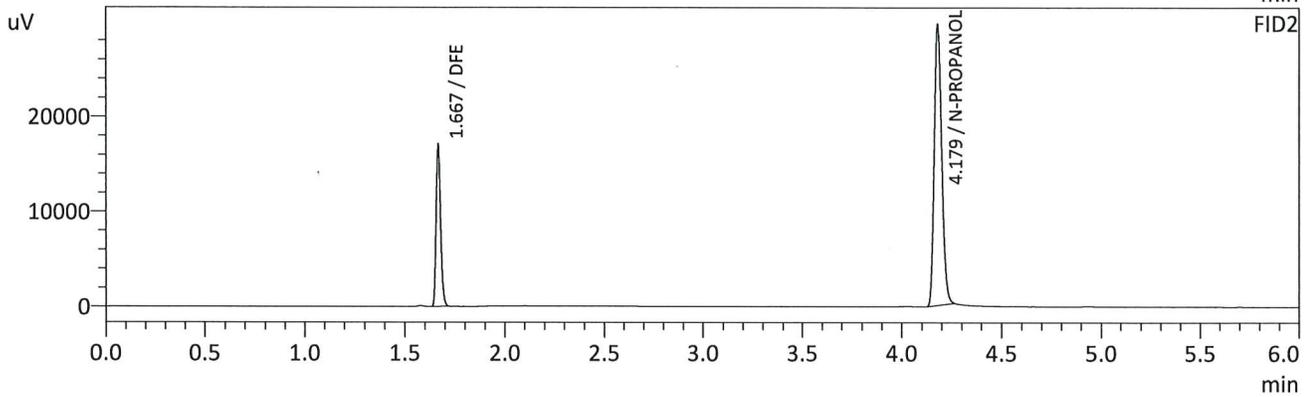
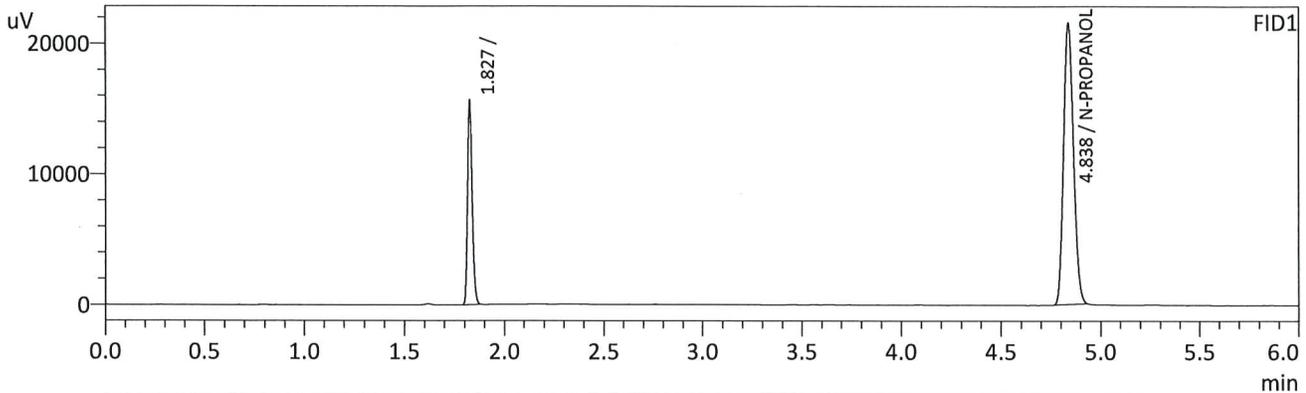
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	24719	10469
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172092	49048
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0793	g/100cc	25675	12741
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178968	67013
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : DFE
 Vial # : 43
 Data Filename : DFE_322023_043.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 6:32:40 PM
 Date Processed : 3/3/2023 9:20:47 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_RC.gcm



FID1

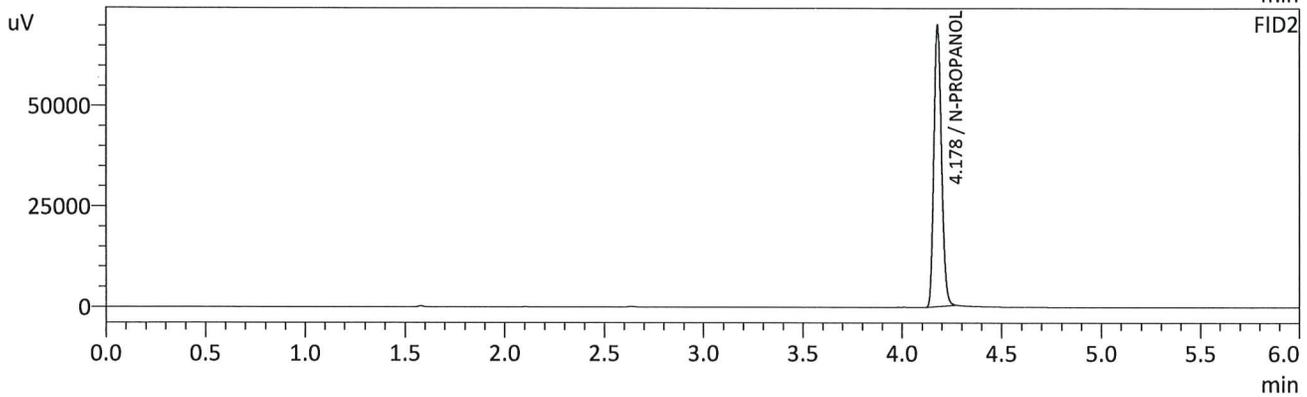
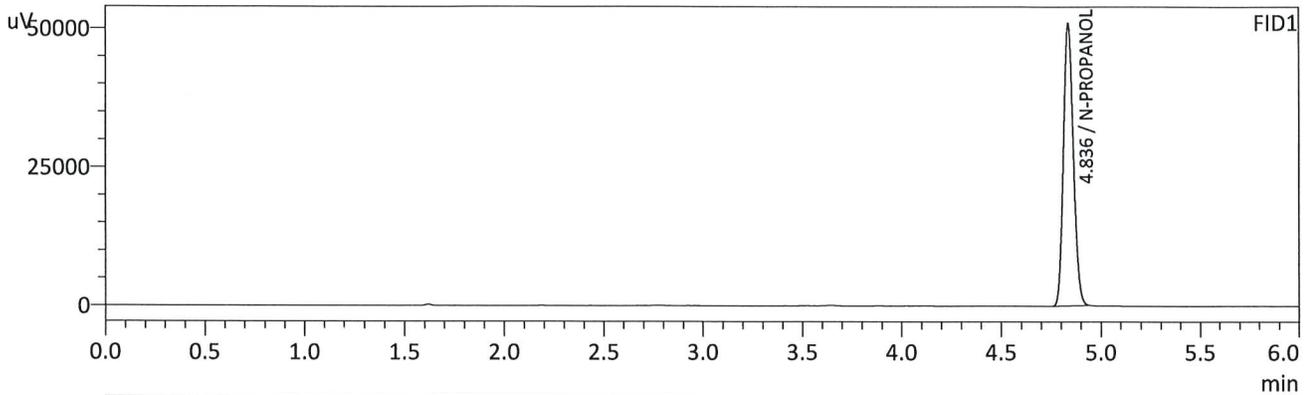
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	74881	21519
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	77445	29535
DFE	0.0000	g/100cc	26451	16613
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 44
 Data Filename : INT STD BLK 3_322023_044.gcd
 Method Filename : ALCOHOL_030223_RC.gcm
 Batch Filename : BATCH_033223_RC.gcb
 Date Acquired : 3/2/2023 6:42:08 PM
 Date Processed : 3/3/2023 9:20:51 AM
 Default Project - G1KG333-Instrument1 - ALCOHOL_030223_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	178015	50898
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	185874	69976
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

Copyright (C) 2008-2022 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_030223_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_030223_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_030223_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_030223_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_030223_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_030223_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_030223_RC.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_030223_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_030223_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_030223_RC.gcm		0
13	P2023-0331-2	0:Unknown	ALCOHOL_030223_RC.gcm		0
14	P2023-0331-2-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
15	P2023-0592-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
16	P2023-0592-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
17	P2023-0593-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
18	P2023-0593-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
19	P2023-0594-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
20	P2023-0594-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
21	P2023-0596-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
22	P2023-0596-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
23	P2023-0597-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
24	P2023-0597-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
25	P2023-0598-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
26	P2023-0598-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
27	P2023-0611-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
28	P2023-0611-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
29	P2023-0612-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
30	P2023-0612-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
33	P2023-0613-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
34	P2023-0613-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
35	P2023-0631-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
36	P2023-0631-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
37	P2023-0632-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
38	P2023-0632-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
39	M2023-0786-1	0:Unknown	ALCOHOL_030223_RC.gcm		0
40	M2023-0786-1-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
41	QC1-2	0:Unknown	ALCOHOL_030223_RC.gcm		0
42	QC1-2-B	0:Unknown	ALCOHOL_030223_RC.gcm		0
43	DFE	0:Unknown	ALCOHOL_030223_RC.gcm		0
44	INT STD BLK 3	0:Unknown	ALCOHOL_030223_RC.gcm		0