



















Worklist: 4865

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1157	1	BCK	Alcohol Analysis	
M2021-1168	1	BCK	Alcohol Analysis	
M2021-1185	1	BCK	Alcohol Analysis	
P2021-0727	2	BCK	Alcohol Analysis	
P2021-0760	1	BCK	Alcohol Analysis	
P2021-0761	1	BCK	Alcohol Analysis	
P2021-0766	1	BCK	Alcohol Analysis	
P2021-0767	1	BCK	Alcohol Analysis	
P2021-0777	1	BCK	Alcohol Analysis	
P2021-0789	1	BCK	Alcohol Analysis	
P2021-0805	1	BCK	Alcohol Analysis	
P2021-0806	1	BCK	Alcohol Analysis	
P2021-0807	1	BCK	Alcohol Analysis	
P2021-0811	1	BCK	Alcohol Analysis	
P2021-0883	1	BCK	Alcohol Analysis	
P2021-0885	1	BCK	Alcohol Analysis	
P2021-0894	1	BCK	Alcohol Analysis	
P2021-0945	1	BCK	Alcohol Analysis	



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600GB9897

Volatiles Quality Assurance Controls Run Date(s): 03-31-2021

Calibration curve 03-31-21 Worklist4865

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	19077006	0.0764	0.0688-0.0840	0.0762 g/100cc
					0.0783 g/100cc
					0.2017 g/100cc
Level 2	Jul-23	19077007	0.2170	0.1953-0.2387	0.2017 g/100cc g/100cc g/100cc
Multi-Component mixture:					ok
Curve Fit:					
		Column 1	Lot #	Column 2	
			0.99973		0.99956

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0527	0.0538	0.0011	0.0532
100	0.100	0.090 - 0.110	0.1005	0.1003	0.0002	0.1004
200	0.200	0.180 - 0.220	0.1975	0.1965	0.001	0.197
300	0.300	0.270 - 0.330	0.2964	0.2957	0.0007	0.296
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5027	0.5034	0.0007	0.503

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

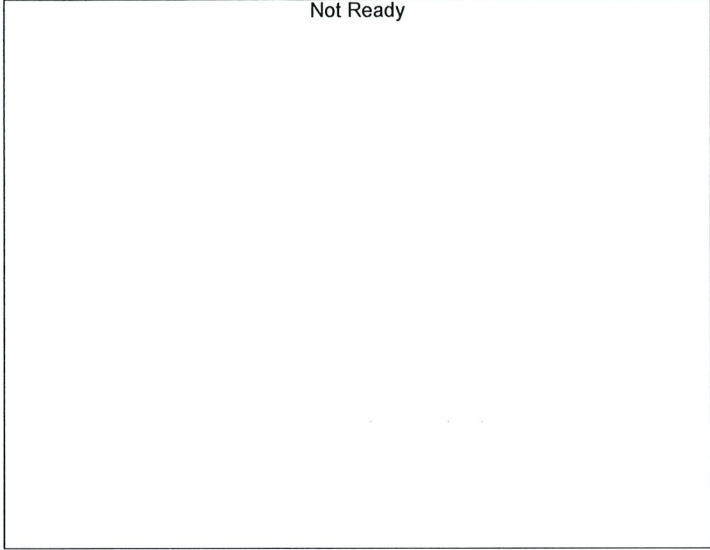
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Calibration Table

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Laboratory: Pocatello
 Instrument Name : GC2030-HS20

<<Data File>>
 Method File :C:\LabSolutions\Data\2021\03-31-21 RC\ALCOHOL.gcm
 Batch File :C:\LabSolutions\Data\2021\03-31-21 RC\03-31-21 BATCH.gcb
 Date Acquired :3/31/2021 4:11:22 PM
 Date Created :3/31/2021 4:08:12 PM
 Date Modified :4/2/2021 8:29:37 AM



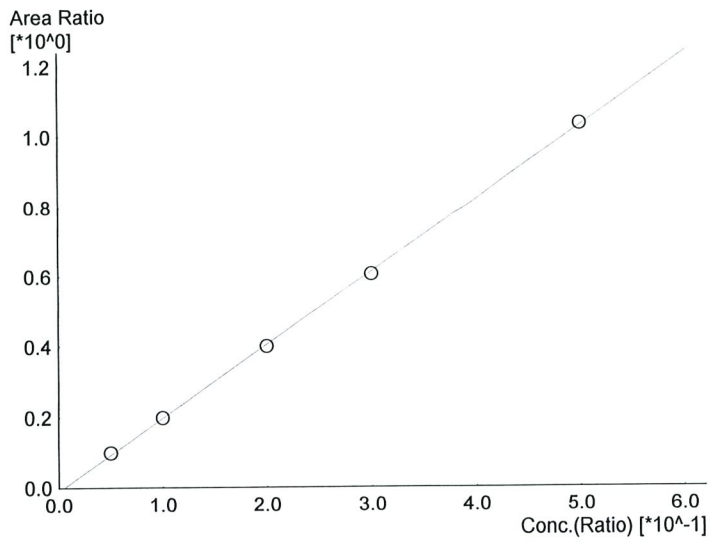
Name : METHANOL
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



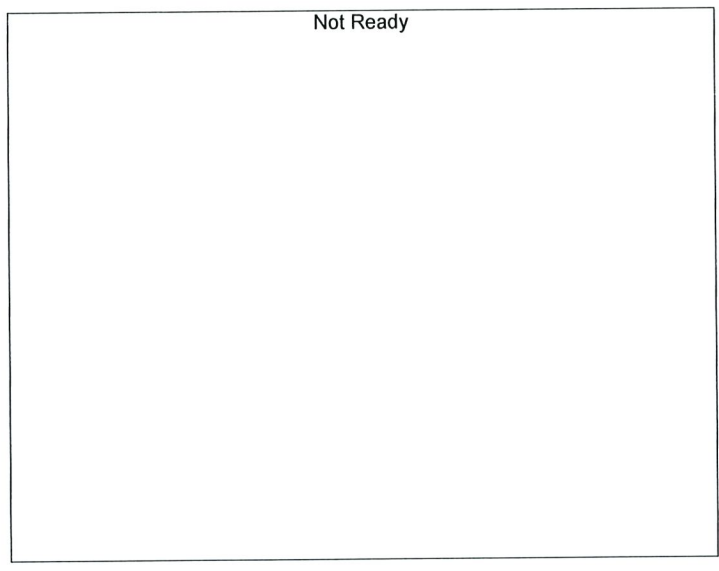
Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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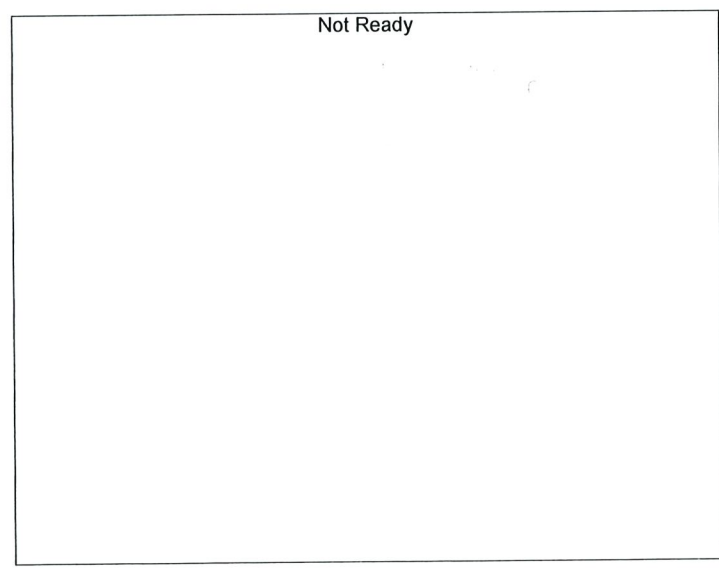
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.07881*x-0.0112909$
 R² value= 0.9997321 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14815	0.0527
2	0.100	29967	0.1005
3	0.200	60867	0.1975
4	0.300	92347	0.2964
5	0.500	161211	0.5027



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

#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

#	Conc.	Area	Std. Conc.
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Handwritten signature/initials in blue ink.

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.
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Not Ready

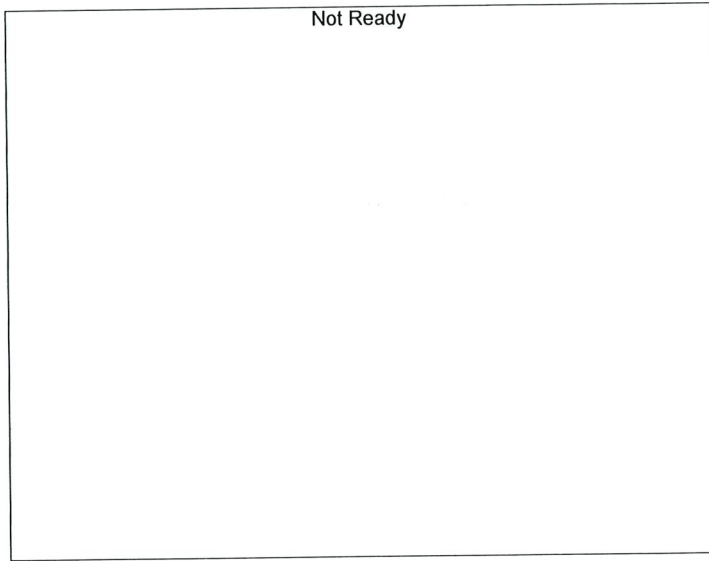
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Not Ready

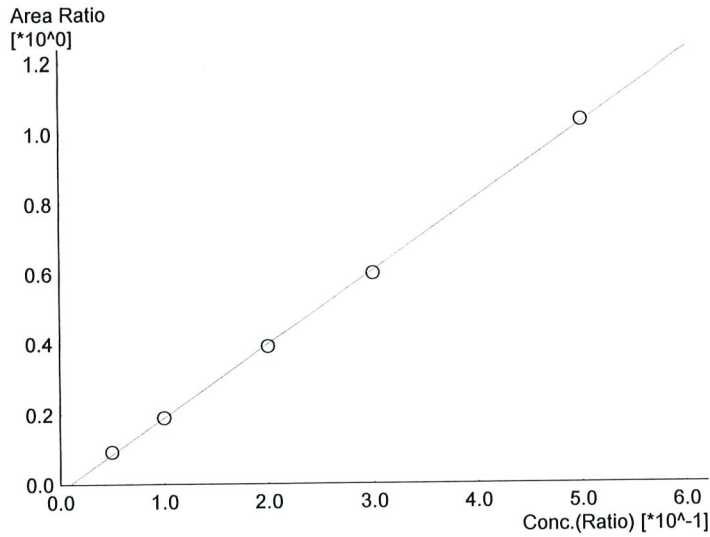
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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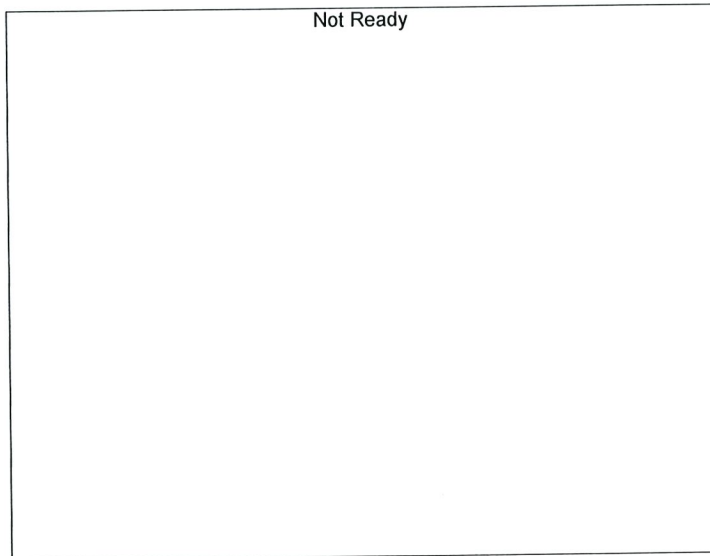
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.09381*x-0.0203479$
 R² value= 0.9995614 ✓
 FitType: Linear
 ZeroThrough: Not Through

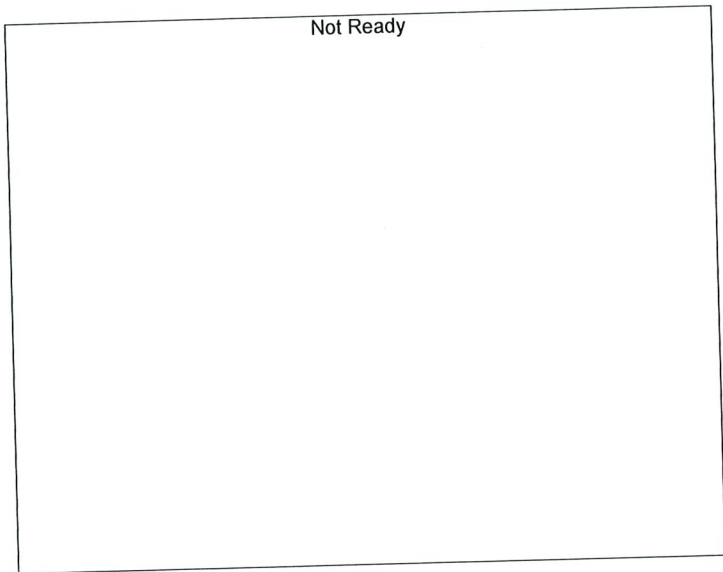
#	Conc.	Area	Std. Conc.
1	0.050	14627	0.0538
2	0.100	30231	0.1003
3	0.200	62624	0.1965
4	0.300	95580	0.2957
5	0.500	168280	0.5034



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

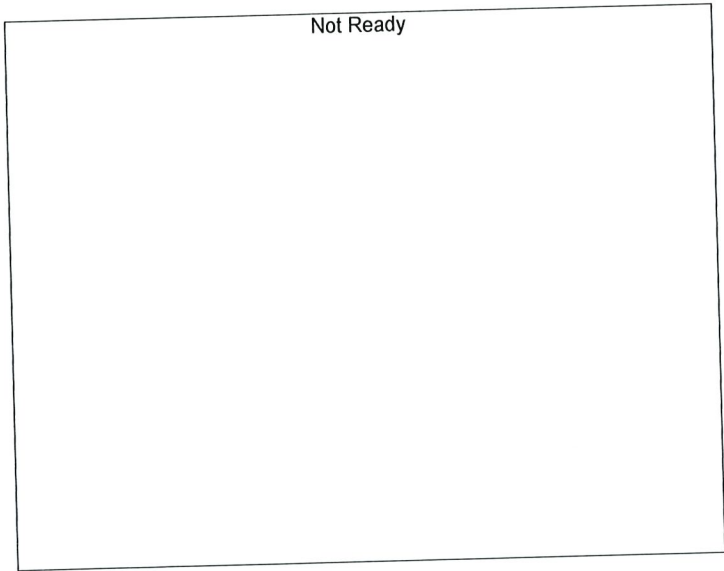
#	Conc.	Area	Std. Conc.
---	-------	------	------------

JRC



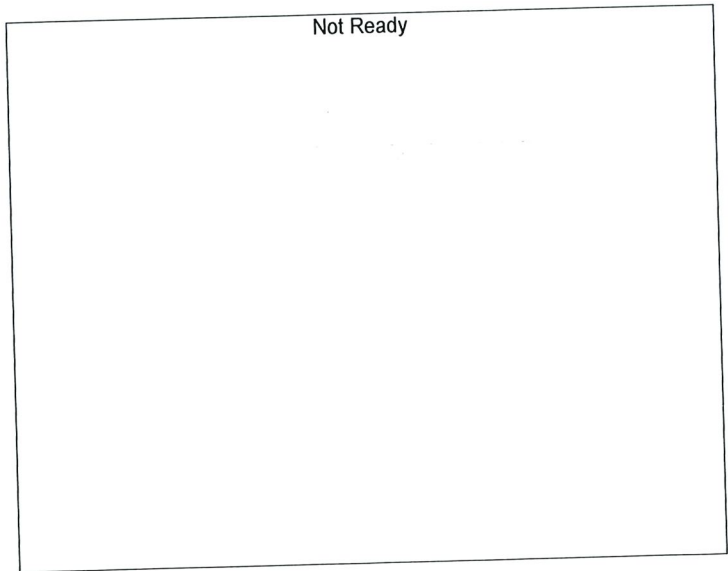
Name : ISOPROPYLALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

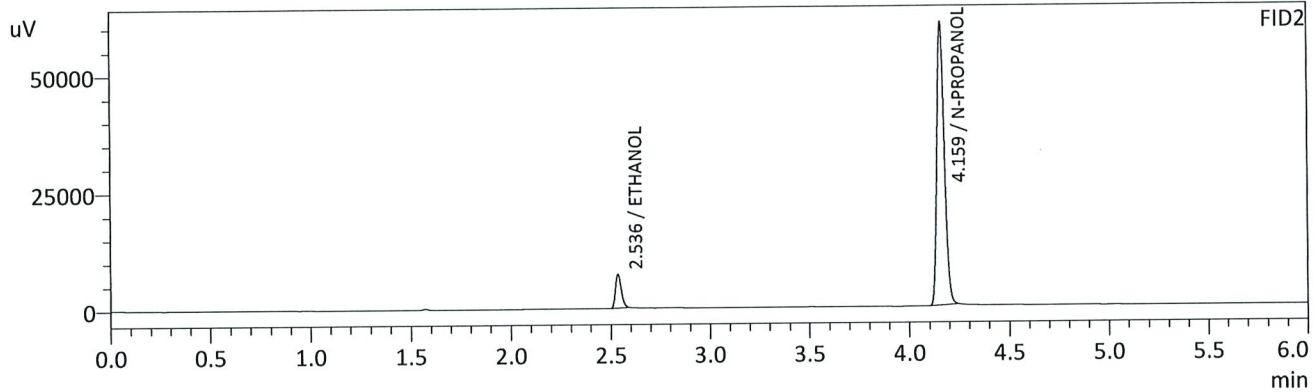
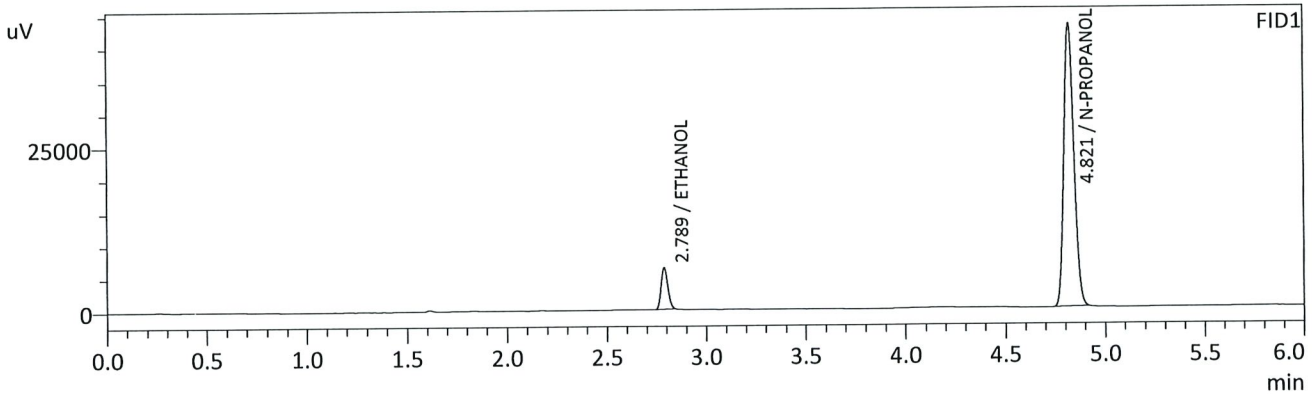
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

#	Conc.	Area	Std. Conc.
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Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_3312021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 3:35:32 PM
 Date Processed : 4/2/2021 10:56:29 AM



FID1

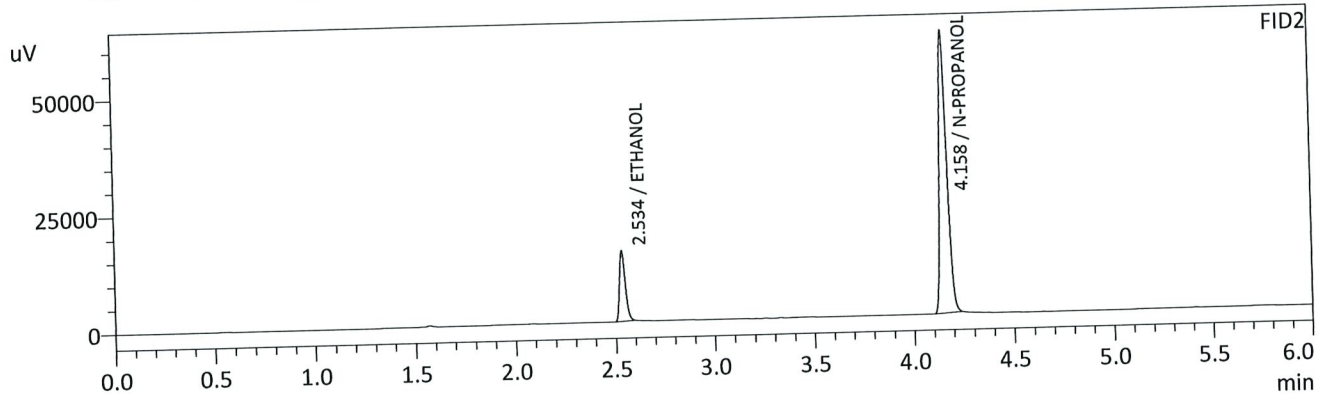
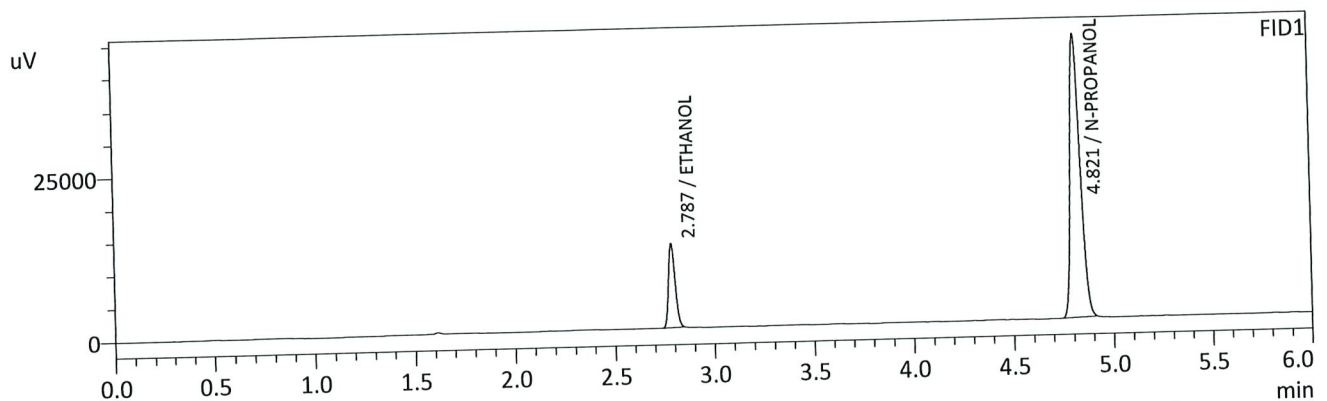
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0527	g/100cc	14815	6339
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150505	42925
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0538	g/100cc	14627	7244
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158447	60031
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_3312021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 3:44:20 PM
 Date Processed : 4/2/2021 10:56:32 AM



FID1

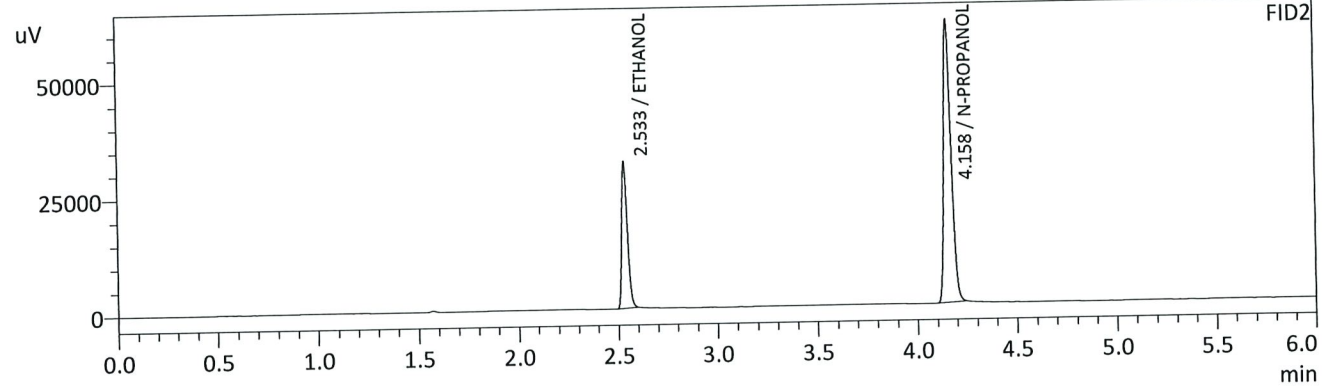
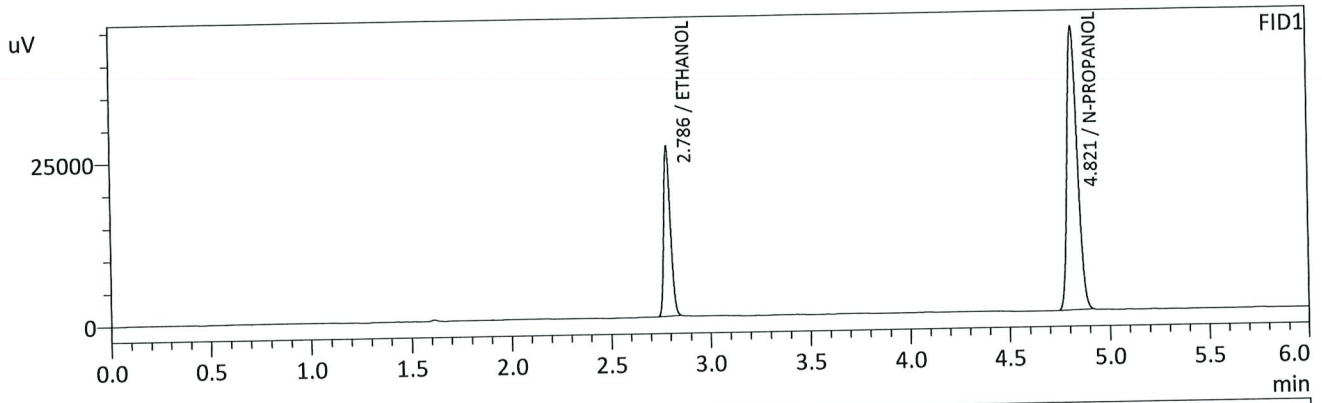
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	29967	12768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151624	43112
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	30231	14863
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159228	60017
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YHC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_3312021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 3:53:26 PM
 Date Processed : 4/2/2021 10:56:33 AM



FID1

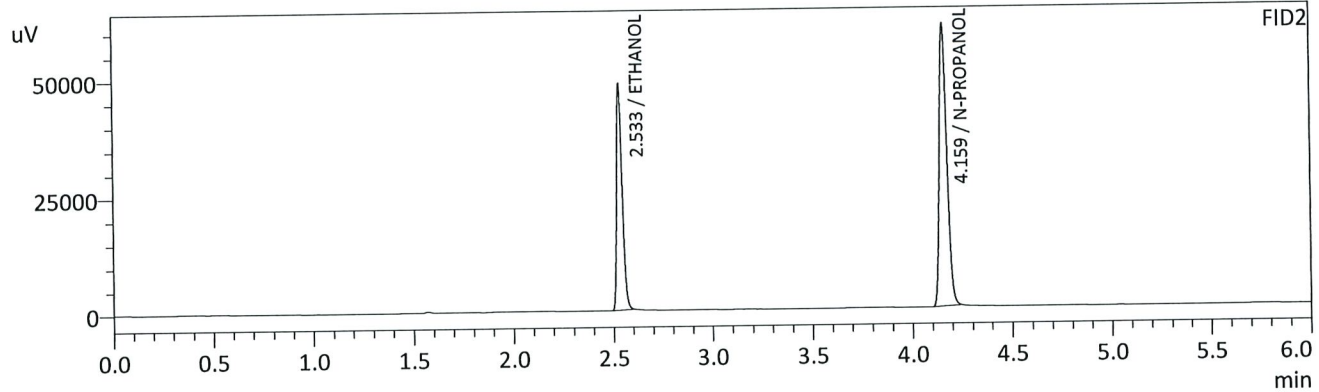
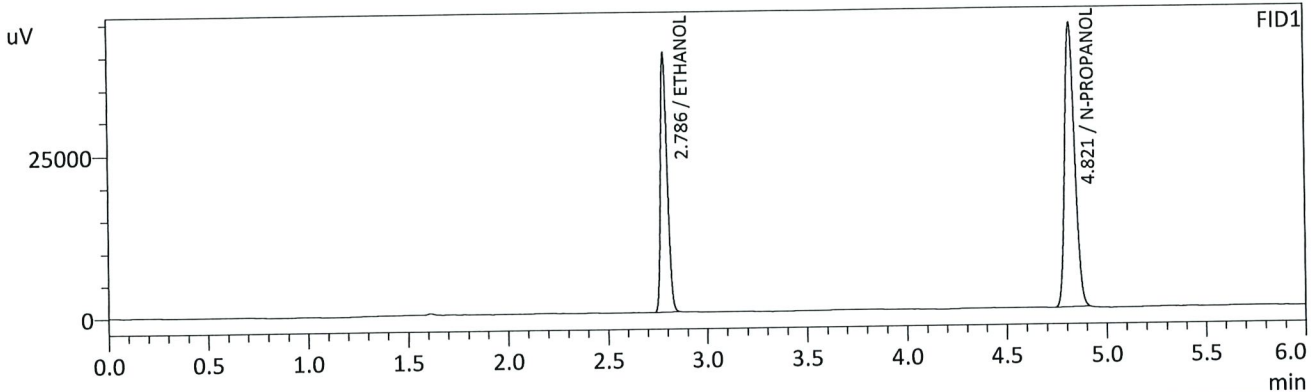
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1975	g/100cc	60867	25810
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152425	43388
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1965	g/100cc	62624	31414
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160050	60289
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_3312021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:02:05 PM
 Date Processed : 4/2/2021 10:56:35 AM



FID1

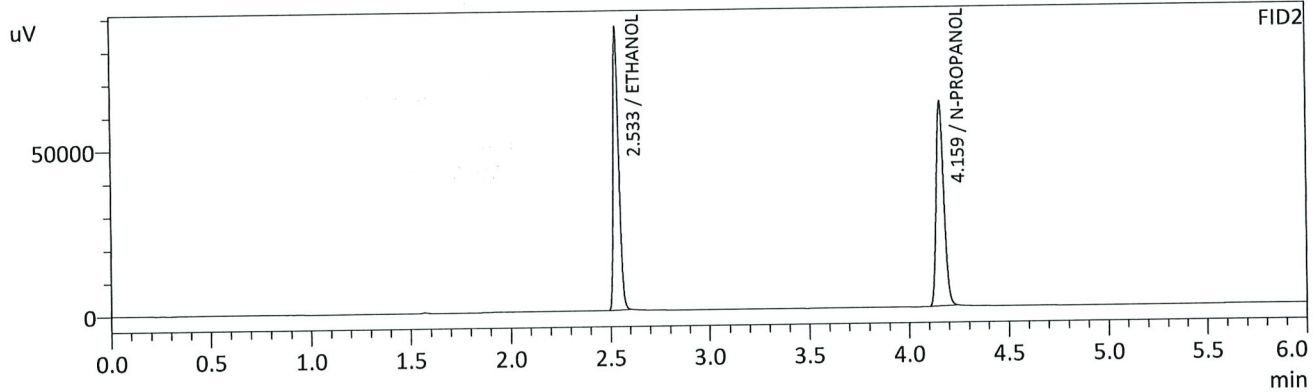
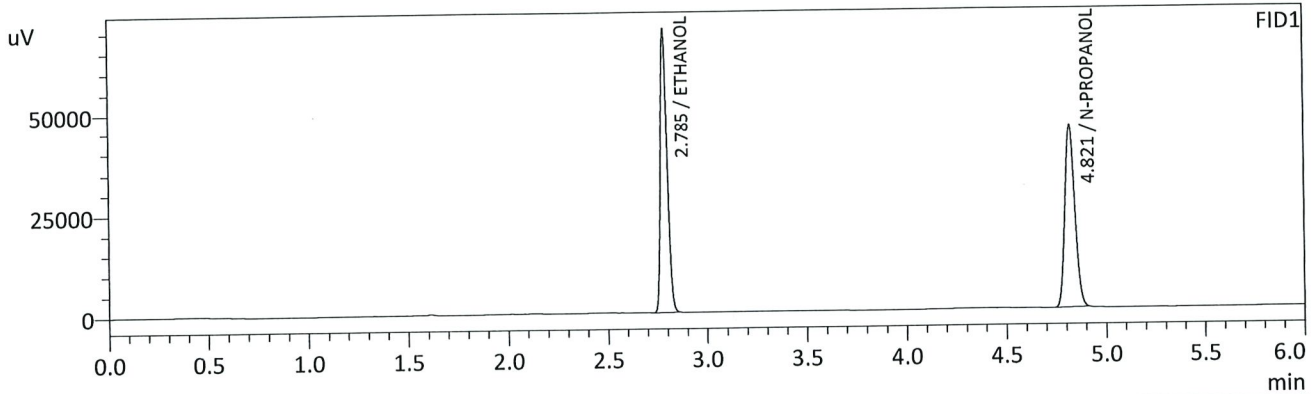
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2964	g/100cc	92347	39471
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152650	43327
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2957	g/100cc	95580	48290
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159590	60100
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_3312021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:11:22 PM
 Date Processed : 4/2/2021 8:29:37 AM



FID1

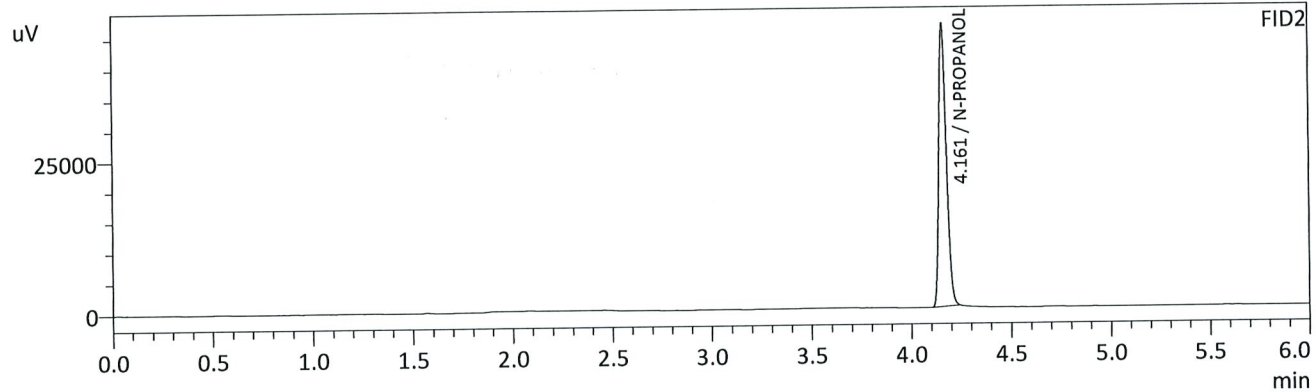
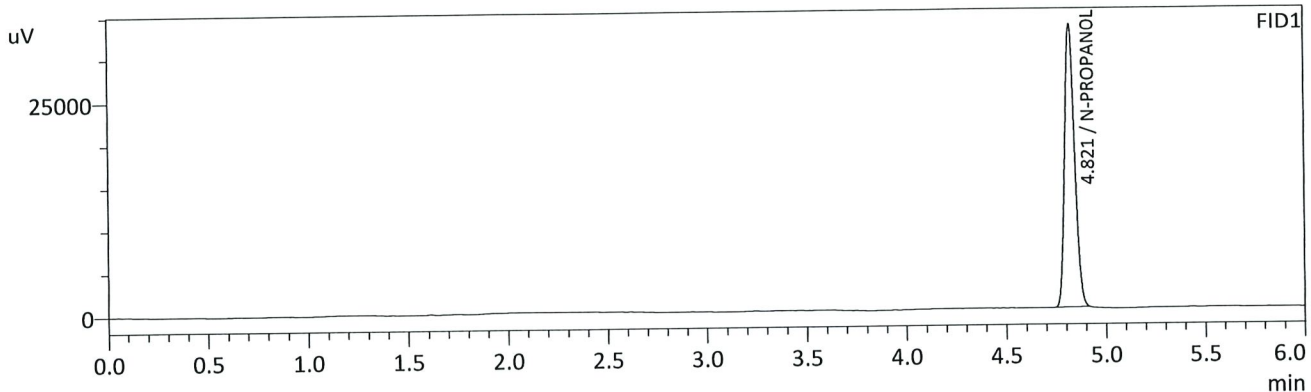
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5027	g/100cc	161211	69638
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155937	44366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5034	g/100cc	168280	85461
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162781	61606
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_3312021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:20:10 PM
 Date Processed : 4/2/2021 8:29:39 AM



FID1

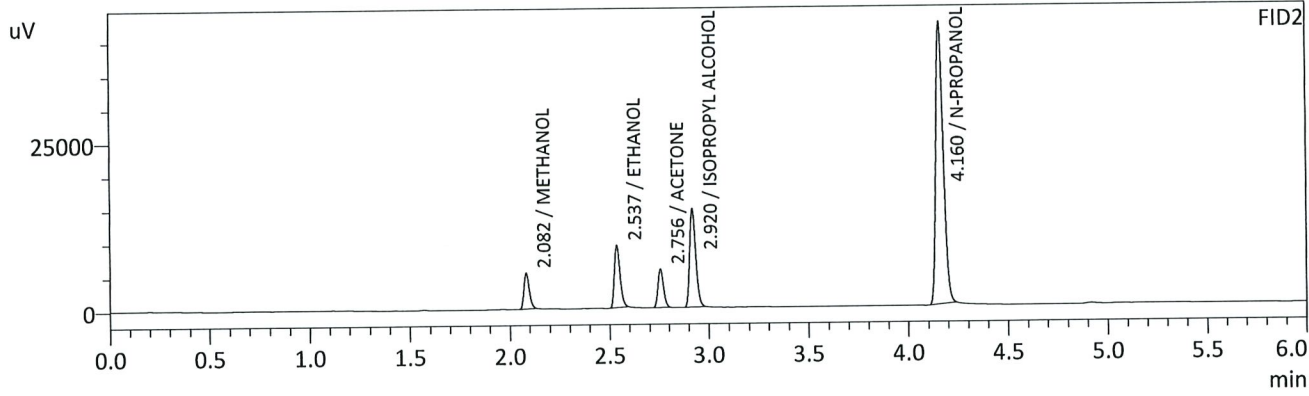
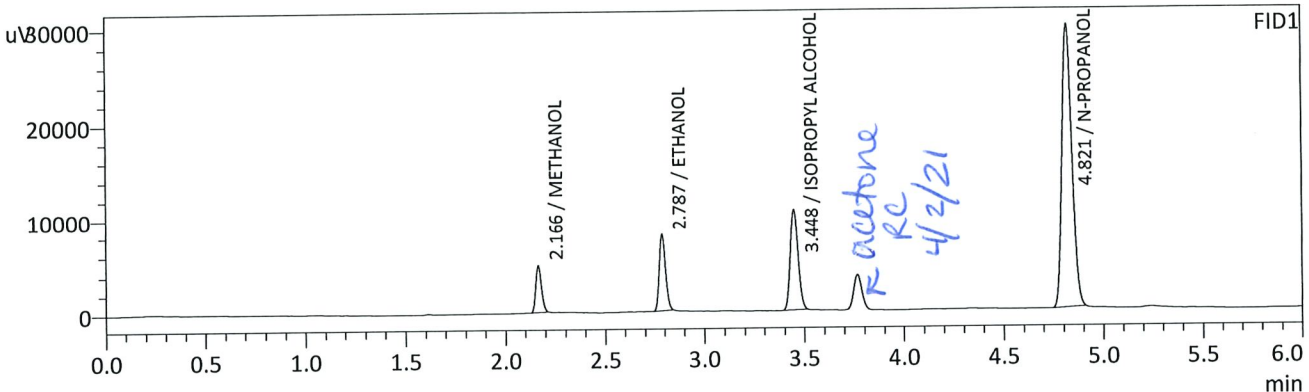
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	114677	32986
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	120720	46358
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_3312021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:28:46 PM
 Date Processed : 4/2/2021 8:29:40 AM



FID1

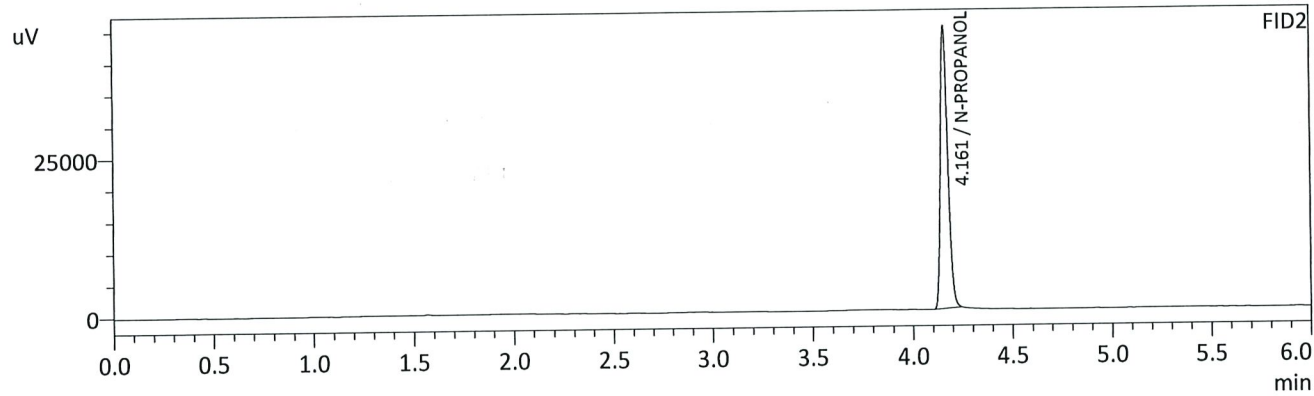
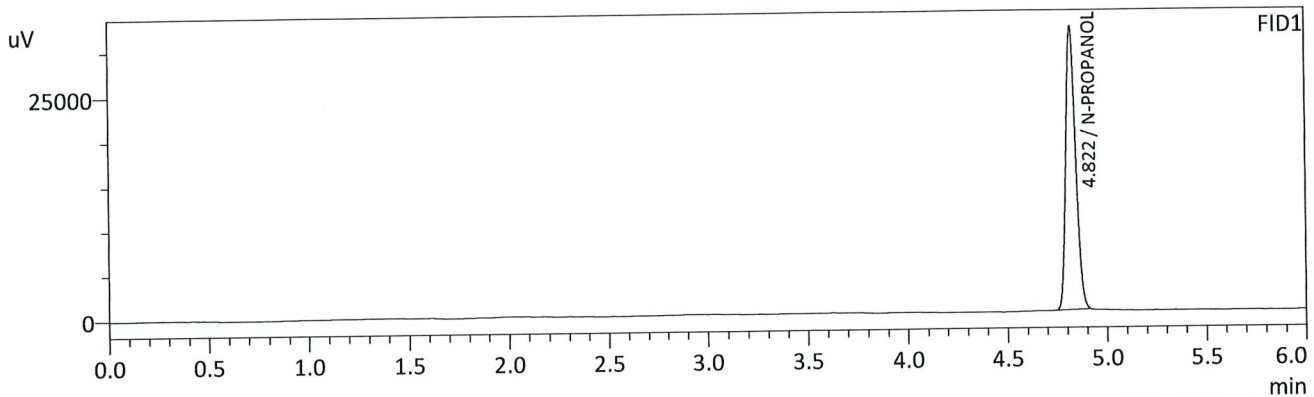
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	9854	4893
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0896	g/100cc	18129	7918
ISOPROPYL ALCOHOL	0.0000	g/100cc	29325	10574
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	103517	29692
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	9873	5241
ETHANOL	0.0891	g/100cc	18115	9205
ACETONE	0.0000	g/100cc	11300	5703
ISOPROPYL ALCOHOL	0.0000	g/100cc	30569	14594
N-PROPANOL	0.0000	g/100cc	108963	41975
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_3312021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:37:56 PM
 Date Processed : 4/2/2021 8:29:41 AM



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	109592	31594
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	115533	44531
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CHC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 3/31/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0762	0.0762	0.0000	0.0762	0.0001	0.0762
(g/100cc)	0.0764	0.0763	0.0001	0.0763		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result	
0.076	

Calibration and control data are stored centrally.

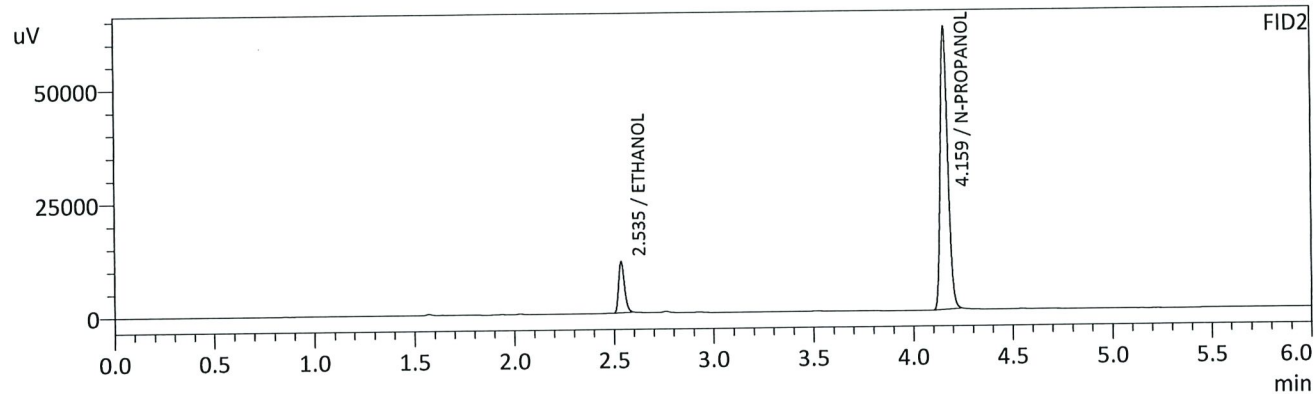
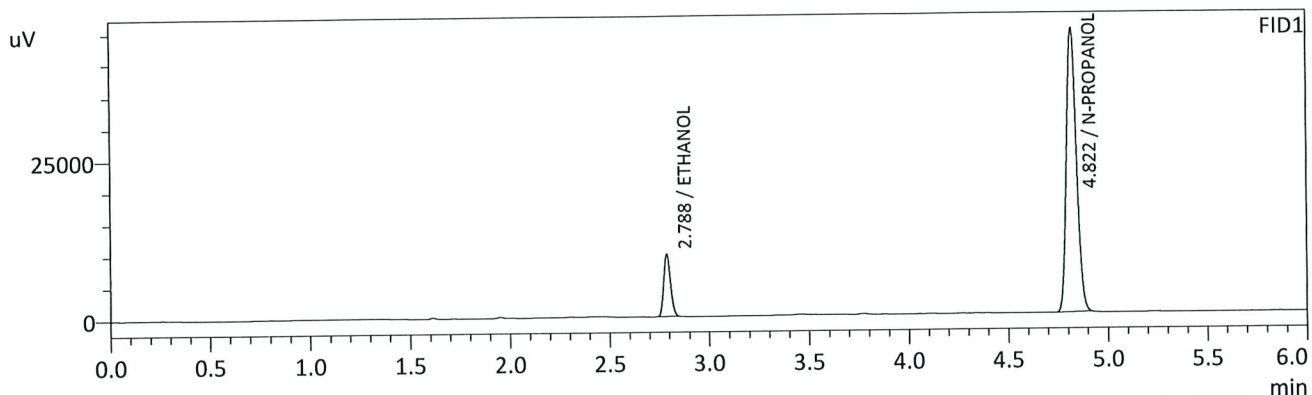


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_3312021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:46:47 PM
 Date Processed : 4/2/2021 8:29:42 AM



FID1

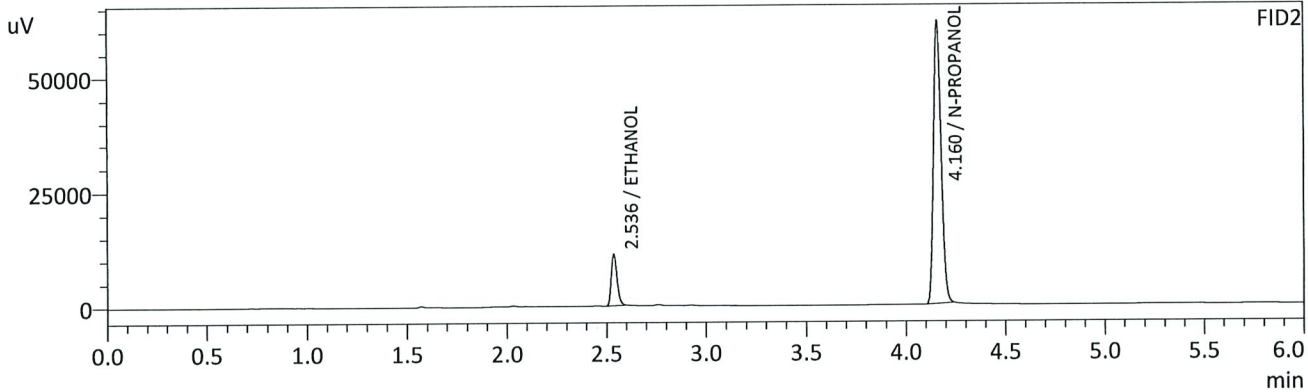
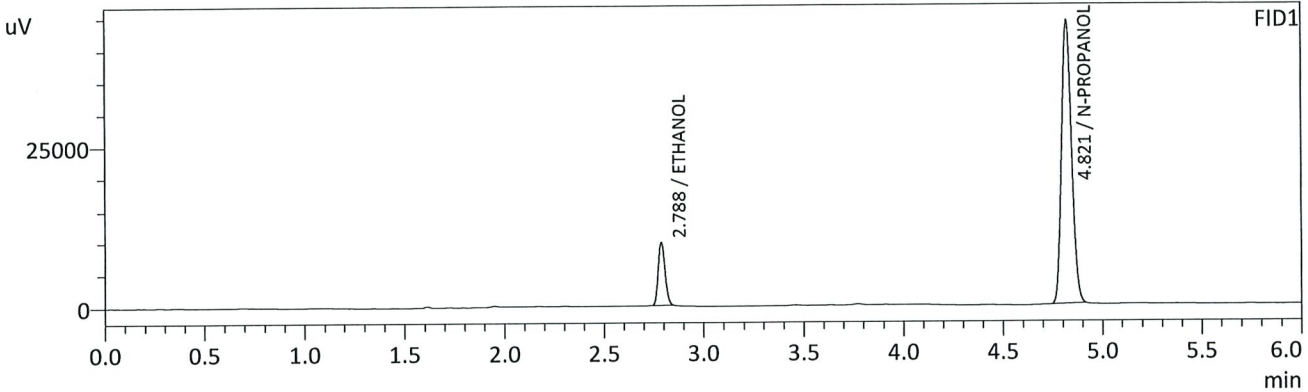
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0762	g/100cc	22926	9751
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155772	44500
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0762	g/100cc	22824	11242
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163824	62057
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials in blue ink.

Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_3312021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 4:55:21 PM
 Date Processed : 4/2/2021 8:29:43 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0764	g/100cc	22770	9701
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154196	43872
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0763	g/100cc	22598	11198
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161990	61594
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Analysis Date(s): 3/31/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0824	0.0824	0.0000	0.0824	0.0001	0.0823
(g/100cc)	0.0824	0.0822	0.0002	0.0823		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

Reported Result
0.082

Calibration and control data are stored centrally.

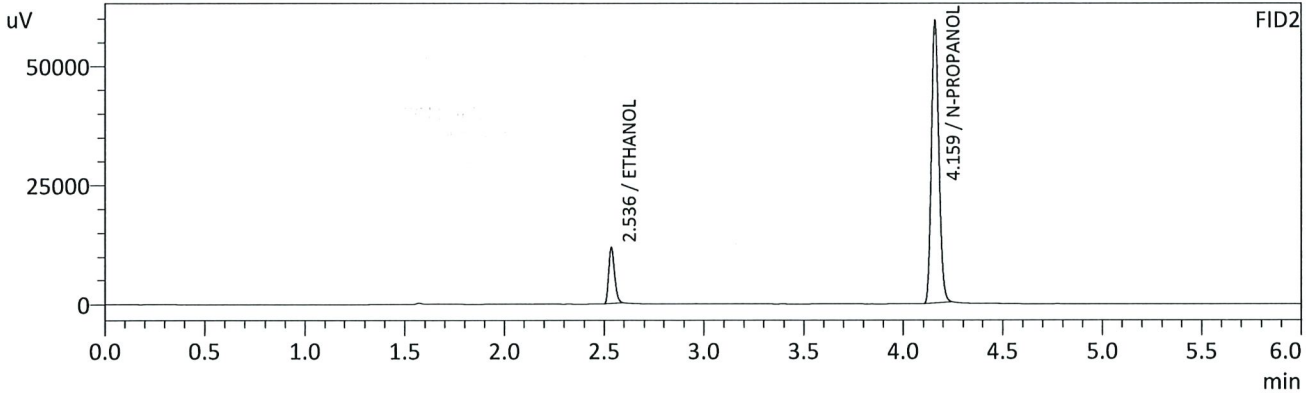
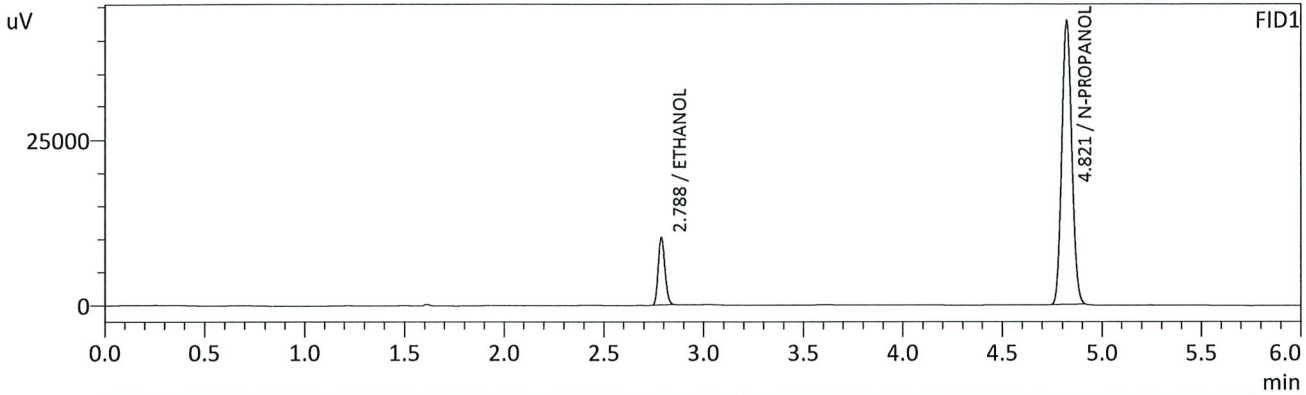


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_3312021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 5:04:18 PM
 Date Processed : 4/2/2021 8:29:45 AM



FID1

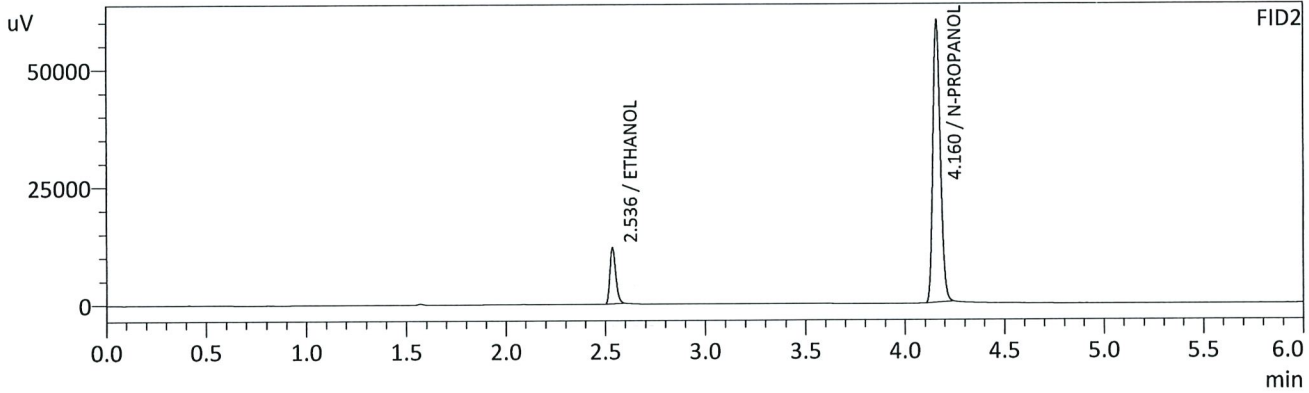
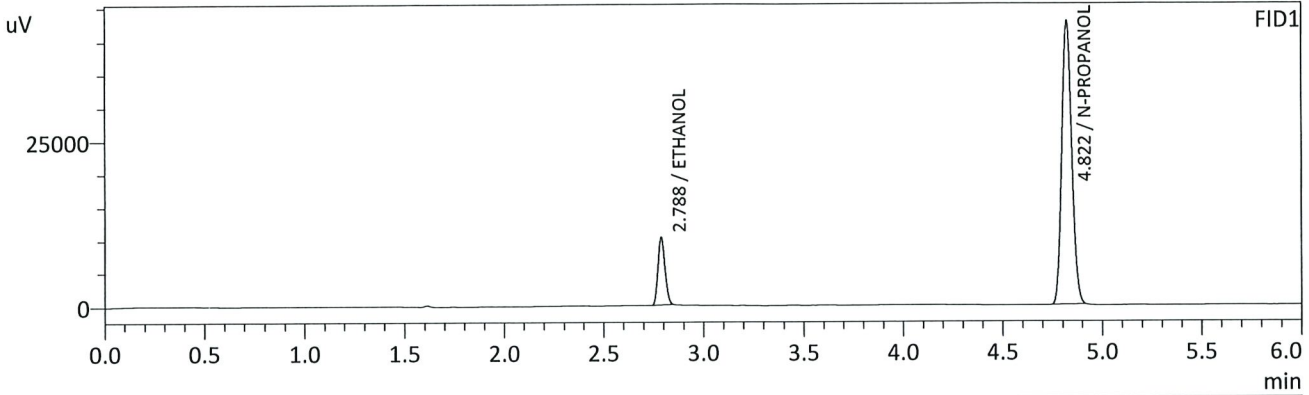
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	23842	10148
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148910	42579
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	23814	11798
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156370	59147
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_3312021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 5:13:04 PM
 Date Processed : 4/2/2021 8:29:46 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0824	g/100cc	23978	10210
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149851	42674
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	23912	11842
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157357	59858
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 3/31/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2020	0.2013	0.0007	0.2016	0.0002	0.2017
(g/100cc)	0.2023	0.2014	0.0009	0.2018		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.201	0.190	0.212	0.011

Reported Result
0.201

Calibration and control data are stored centrally.

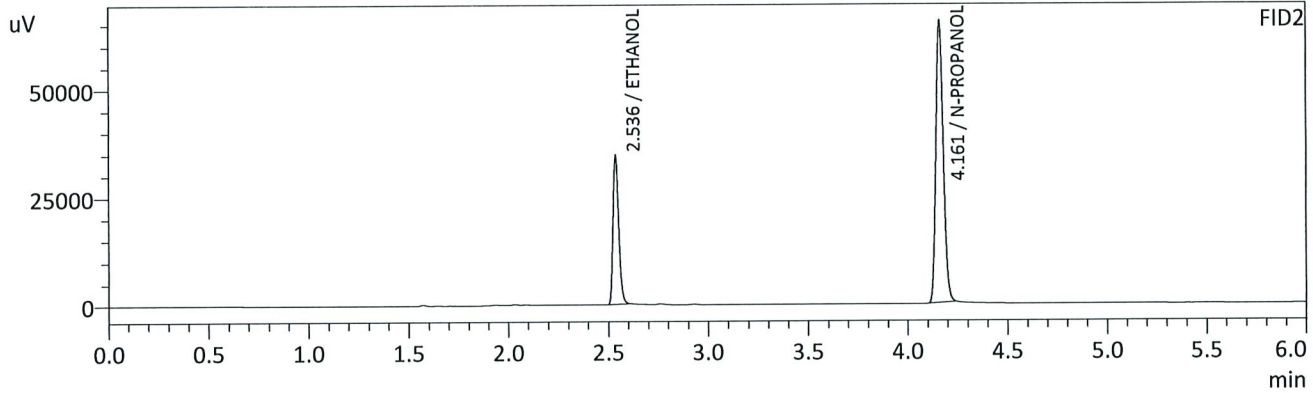
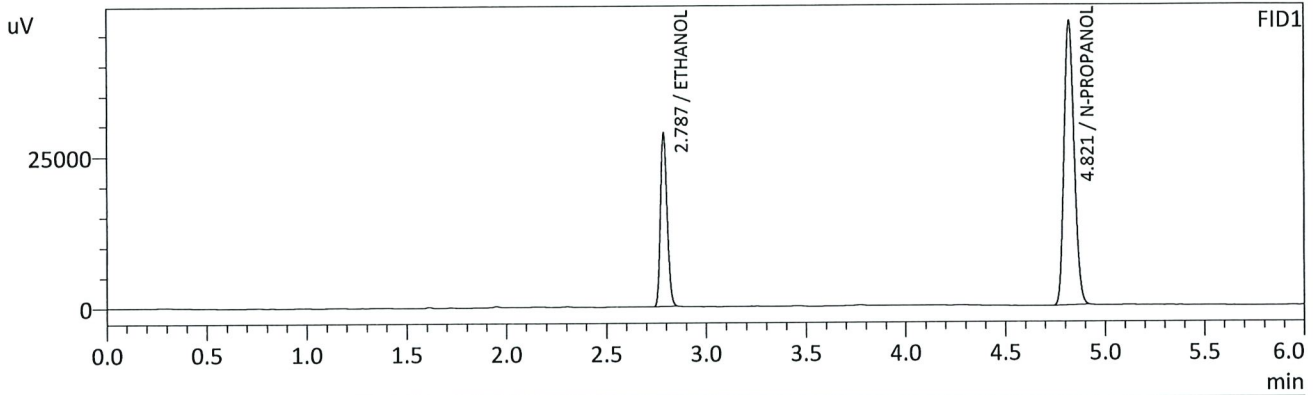


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_3312021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 8:00:09 PM
 Date Processed : 4/2/2021 8:30:06 AM



FID1

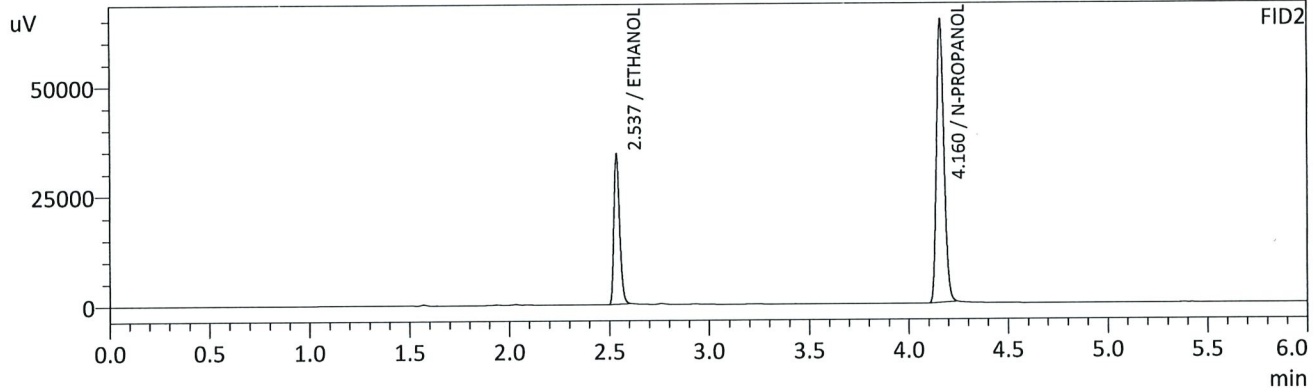
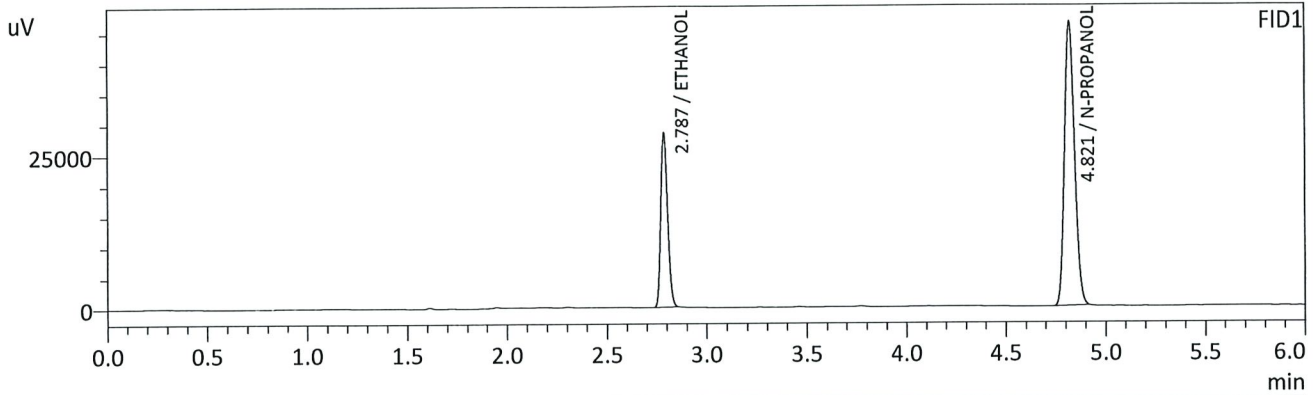
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2020	g/100cc	67050	28458
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164055	46715
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2013	g/100cc	68857	34568
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171632	65379
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_3312021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 8:08:53 PM
 Date Processed : 4/2/2021 8:30:07 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2023	g/100cc	66352	28217
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162093	46187
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2014	g/100cc	68063	34135
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169582	64571
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 3/31/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0783	0.0781	0.0002	0.0782	0.0003	0.0783
(g/100cc)	0.0785	0.0785	0.0000	0.0785		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result
	0.078

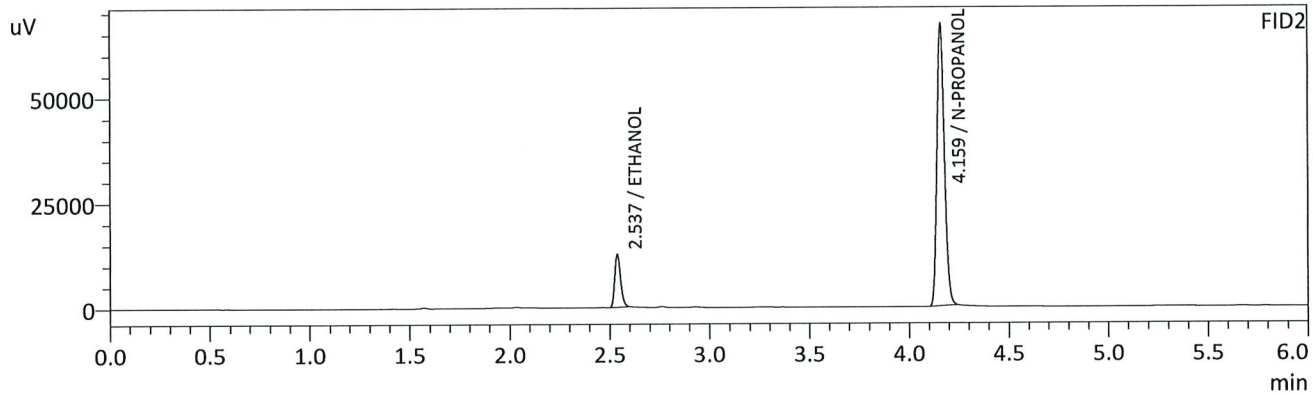
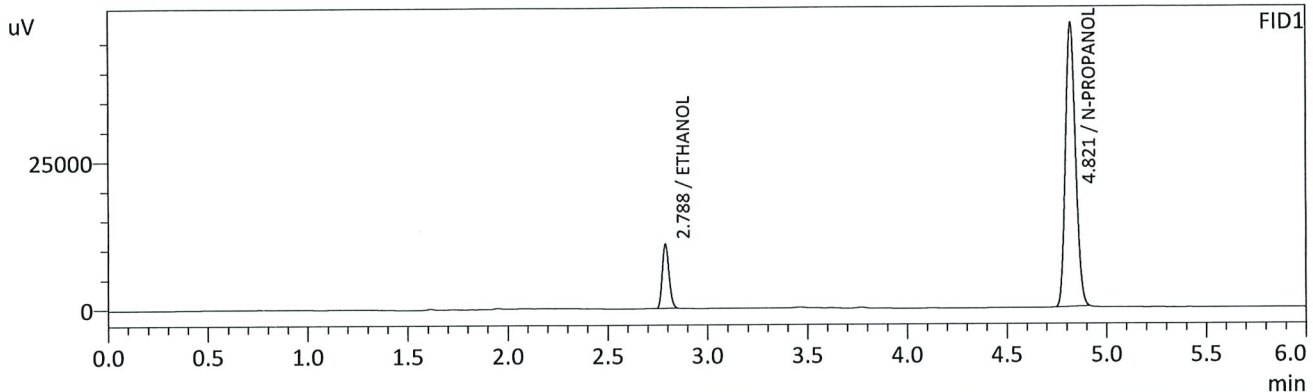
Calibration and control data are stored centrally.


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 Vial # : 51
 Data Filename : QC1-2-A_3312021_051.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 10:56:19 PM
 Date Processed : 4/2/2021 8:30:27 AM



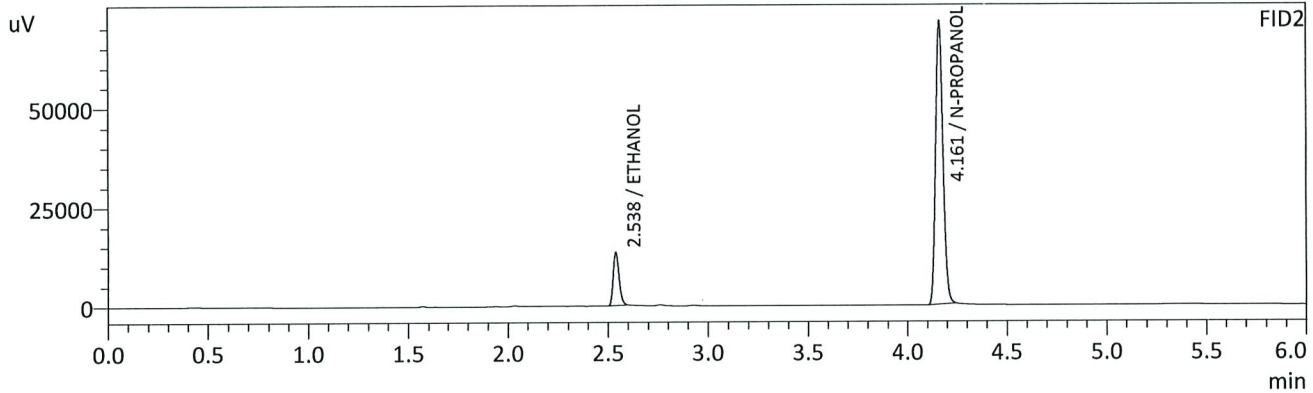
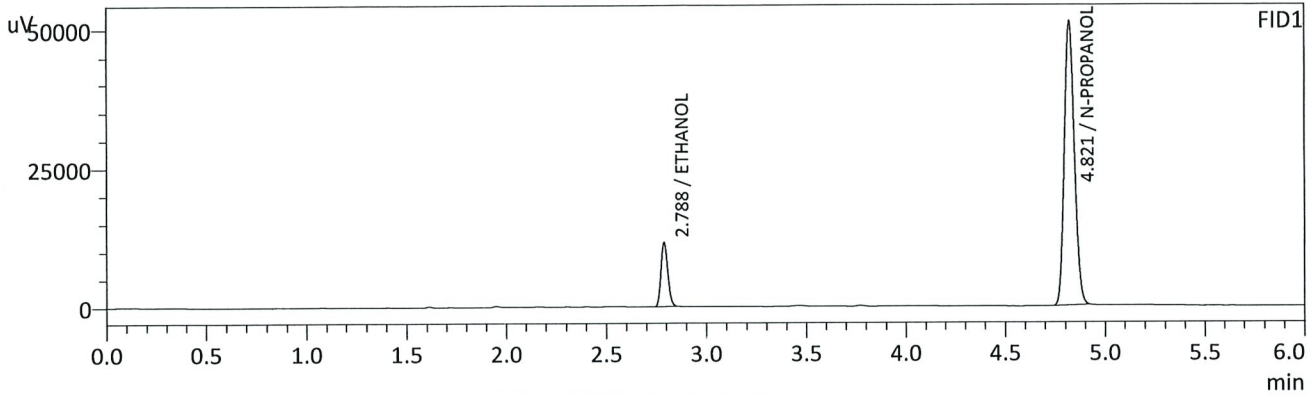
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0783	g/100cc	25344	10822
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167086	47806
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0781	g/100cc	25138	12519
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175402	66664
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-2-B
 Vial # : 52
 Data Filename : QC1-2-B_3312021_052.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 11:05:24 PM
 Date Processed : 4/2/2021 8:30:28 AM



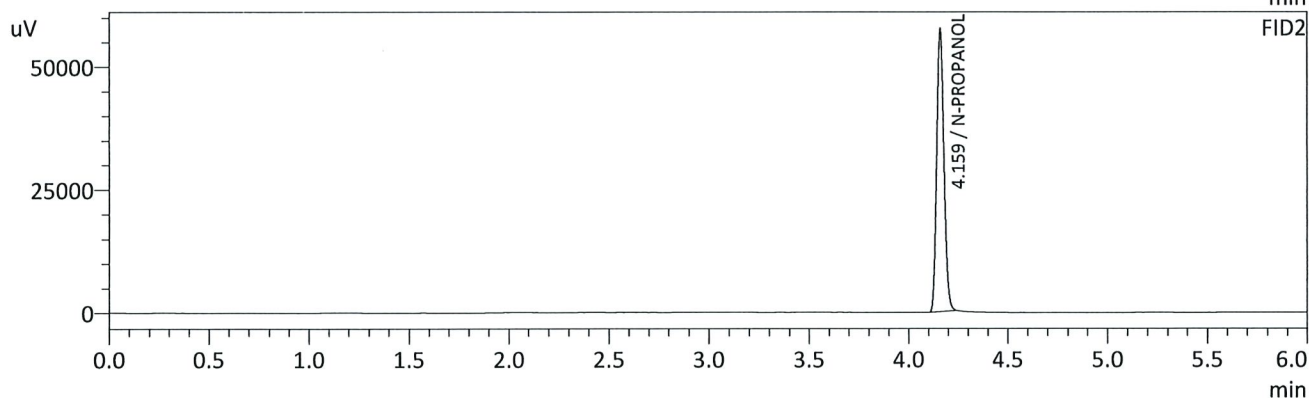
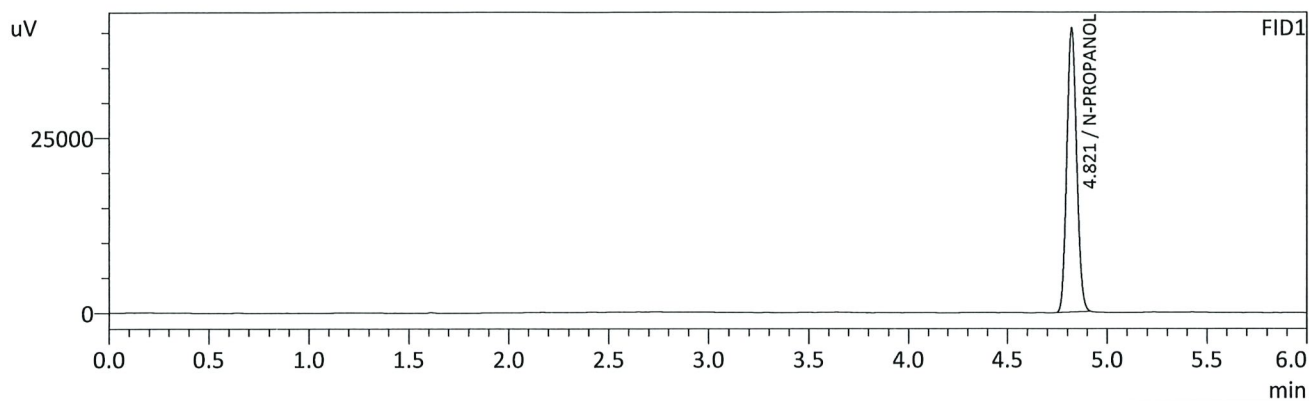
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0785	g/100cc	27028	11518
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177786	50910
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0785	g/100cc	26847	13298
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186188	71314
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 3
 Vial # : 53
 Data Filename : INT STD BLK 3_3312021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 03-31-21 BATCH.gcb
 Date Acquired : 3/31/2021 11:14:23 PM
 Date Processed : 4/2/2021 8:30:29 AM



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	139917	40346
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	147918	57139
DFE	--	g/100cc	--	--
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 5.98
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2021-0727-2-A	0:Unknown	ALCOHOL.gcm		0
14	P2021-0727-2-B	0:Unknown	ALCOHOL.gcm		0
15	P2021-0760-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2021-0760-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2021-0761-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2021-0761-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2021-0766-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2021-0766-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2021-0767-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2021-0767-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2021-0777-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2021-0777-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2021-0789-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2021-0789-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2021-0805-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2021-0805-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2021-0806-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2021-0806-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2021-0807-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2021-0807-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2021-0811-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2021-0811-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2021-0883-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2021-0883-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2021-0885-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2021-0885-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2021-0894-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2021-0894-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2021-0945-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2021-0945-1-B	0:Unknown	ALCOHOL.gcm		0
45	M2021-1157-1-A	0:Unknown	ALCOHOL.gcm		0
46	M2021-1157-1-B	0:Unknown	ALCOHOL.gcm		0
47	M2021-1168-1-A	0:Unknown	ALCOHOL.gcm		0
48	M2021-1168-1-B	0:Unknown	ALCOHOL.gcm		0
49	M2021-1185-1-A	0:Unknown	ALCOHOL.gcm		0
50	M2021-1185-1-B	0:Unknown	ALCOHOL.gcm		0
51	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
52	QC1-2-B	0:Unknown	ALCOHOL.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0

