

B

5/10/2021

RC 5/10/21

Worklist: 4959

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1830	1	BCK	Alcohol Analysis	
P2021-1143	1	BCK	Alcohol Analysis	
P2021-1144	1	BCK	Alcohol Analysis	
P2021-1179	1	BCK	Alcohol Analysis	
P2021-1179	2	BCK	Alcohol Analysis	
P2021-1261	2	BCK	Alcohol Analysis	
P2021-1264	1	BCK	Alcohol Analysis	
P2021-1336	1	BCK	Alcohol Analysis	
P2021-1337	1	BCK	Alcohol Analysis	
P2021-1338	1	BCK	Alcohol Analysis	
P2021-1339	1	BCK	Alcohol Analysis	
P2021-1347	1	BCK	Alcohol Analysis	
P2021-1370	1	BCK	Alcohol Analysis	
P2021-1371	1	BCK	Alcohol Analysis	
P2021-1375	1	BCK	Alcohol Analysis	
P2021-1377	1	BCK	Alcohol Analysis	
P2021-1378	1	BCK	Alcohol Analysis	
P2021-1447	1	UCK	Alcohol Analysis	

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

Run Date(s): 05-07-2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0763 g/100cc 0.0783 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2098 g/100cc g/100cc
Multi-Component mixture:			Lot #	FN06041902	ok
Curve Fit:			Column 1	0.99989	Column2
					0.99980

Ethanol Calibration Reference Material					
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Mean
50	0.050	0.045 - 0.055	0.0516	0.0527	0.0011 0.0521
100	0.100	0.090 - 0.110	0.1006	0.1002	0.0004 0.1004
200	0.200	0.180 - 0.220	0.1981	0.1970	0.0011 0.1975
300	0.300	0.270 - 0.330	0.2978	0.2978	0 0.2978
400	0.400	0.360 - 0.440			0 #DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5021	0.0004 0.5019

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

REVIEWED

By RCutler at 3:11 pm, May 10, 2021

RC 

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Calibration Table

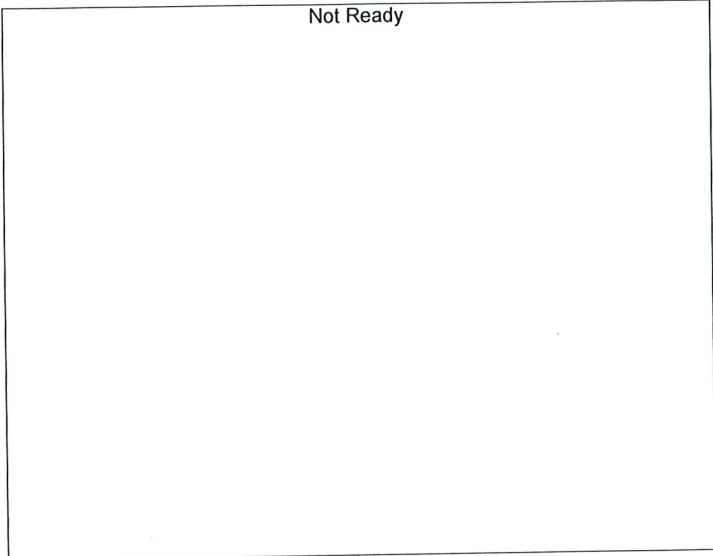
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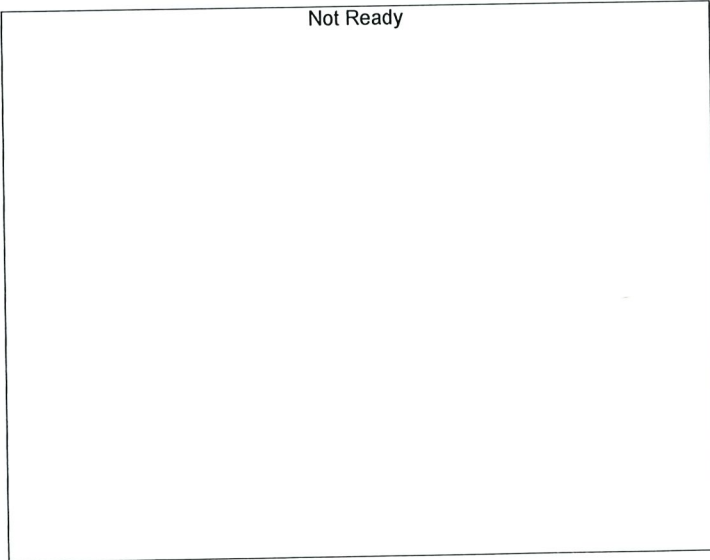
Laboratory: Pocatello
 Instrument Name : GC2030-HS20

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<<Data File>>
Method File      :C:\LabSolutions\Data\2021\05-07-21 ts\ALCOHOL.gcm
Batch File       :C:\LabSolutions\Data\2021\05-07-21 ts\05-07-21 TS_post.gcb
Date Acquired    :5/7/2021 5:38:15 PM
Date Created     :5/7/2021 5:35:14 PM
Date Modified    :5/8/2021 6:15:49 AM
```



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

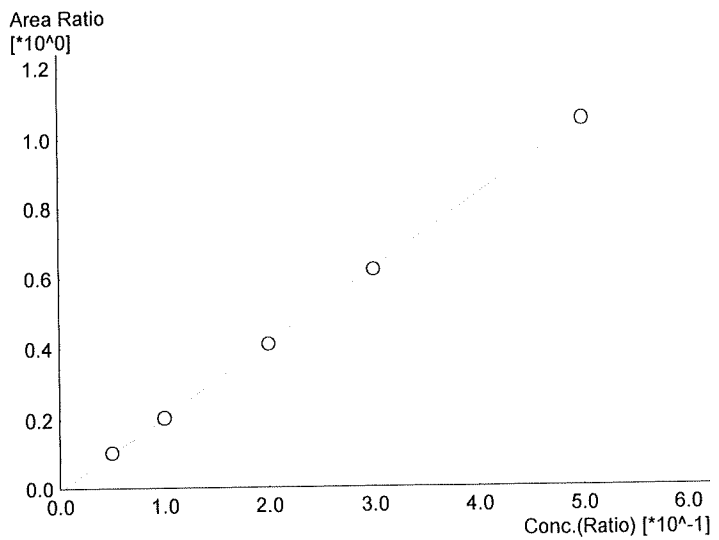
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

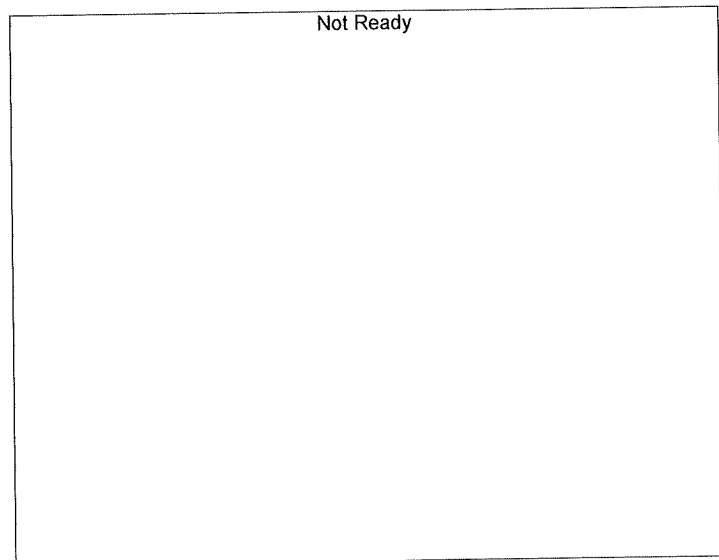
#	Conc.	Area	Std. Conc.
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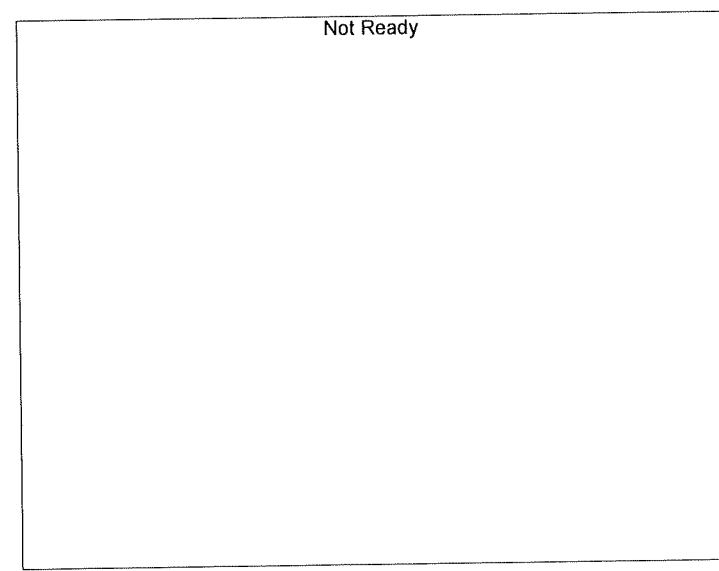
Name : ETHANOL
Detector Name: FID1
Function : $f(x)=2.10714*x-0.00837867$
R^2 value= 0.9998903 ✓
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15844	0.0516
2	0.100	32441	0.1006
3	0.200	64998	0.1981
4	0.300	99571	0.2978
5	0.500	170949	0.5017



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

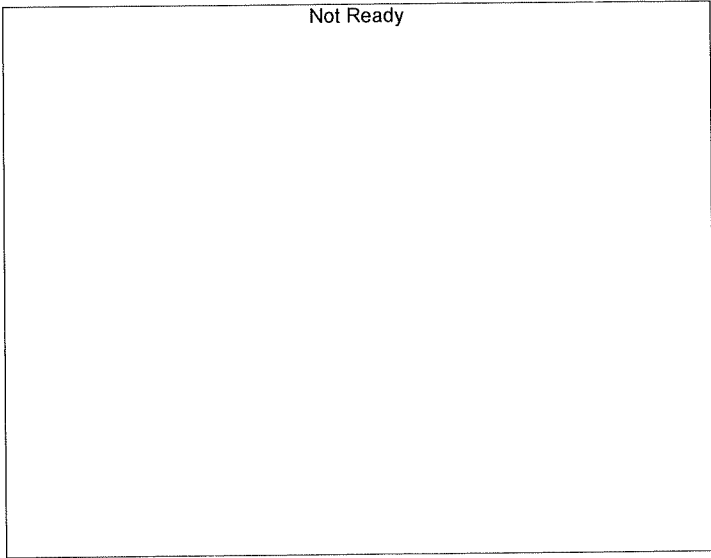
#	Conc.	Area	Std. Conc.
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Name : ACETONE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

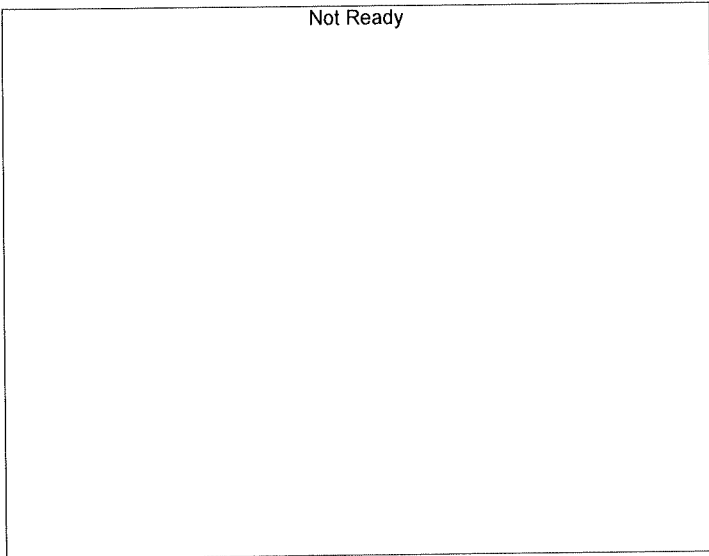
#	Conc.	Area	Std. Conc.
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TS
RC



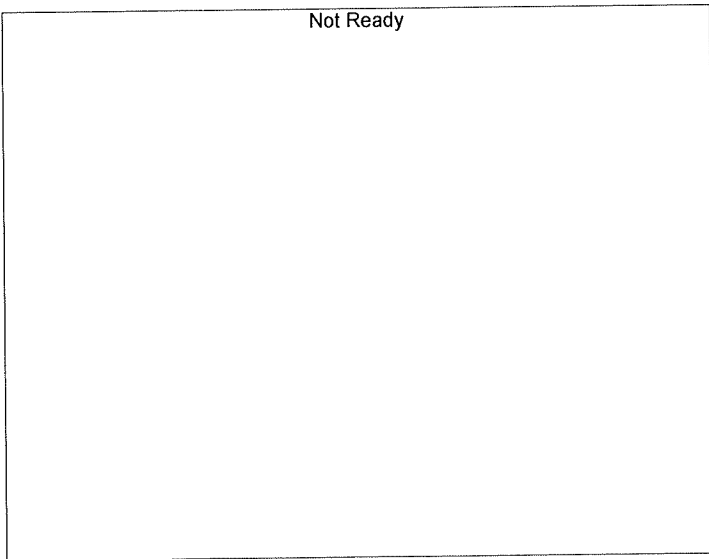
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

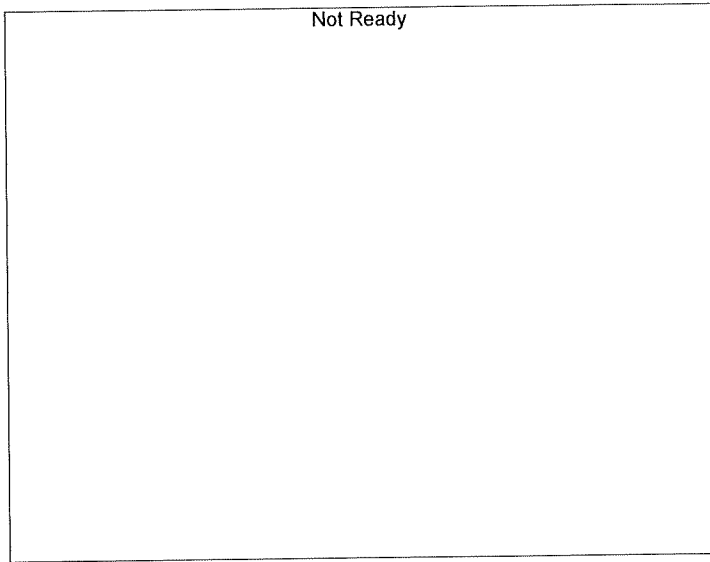
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

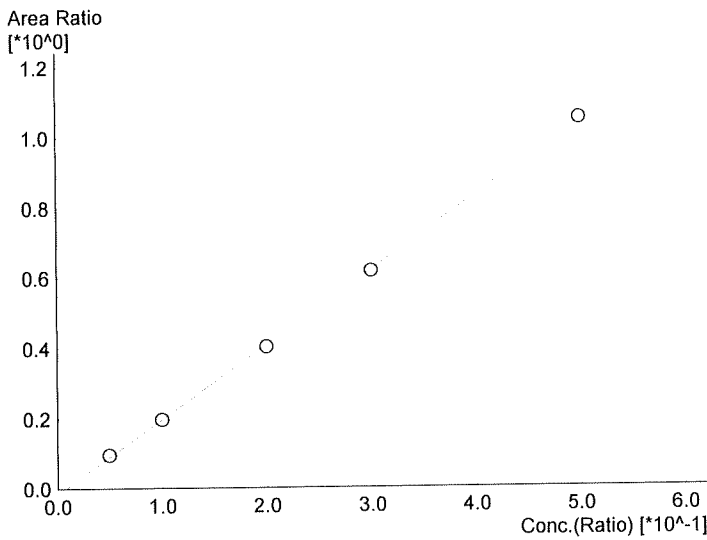
#	Conc.	Area	Std. Conc.
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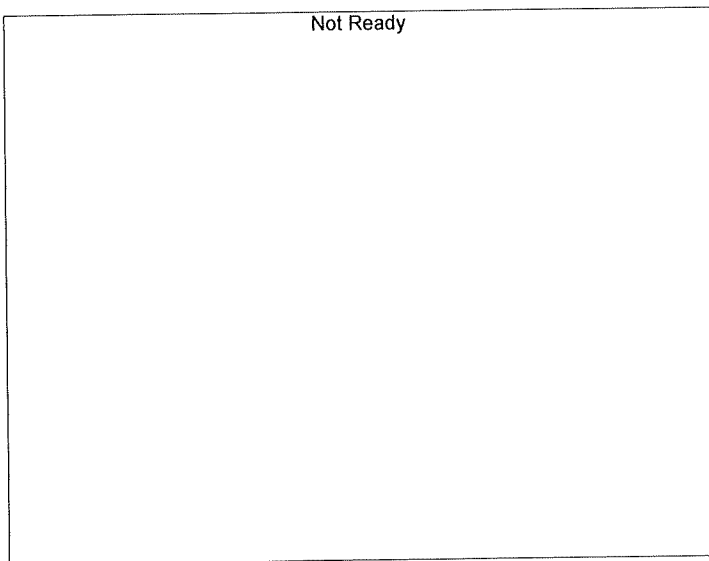
Name : METHANOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
Detector Name: FID2
Function : $f(x)=2.12417*x-0.0172075$
R² value= 0.9998026 ✓
FitType: Linear
ZeroThrough: Not Through

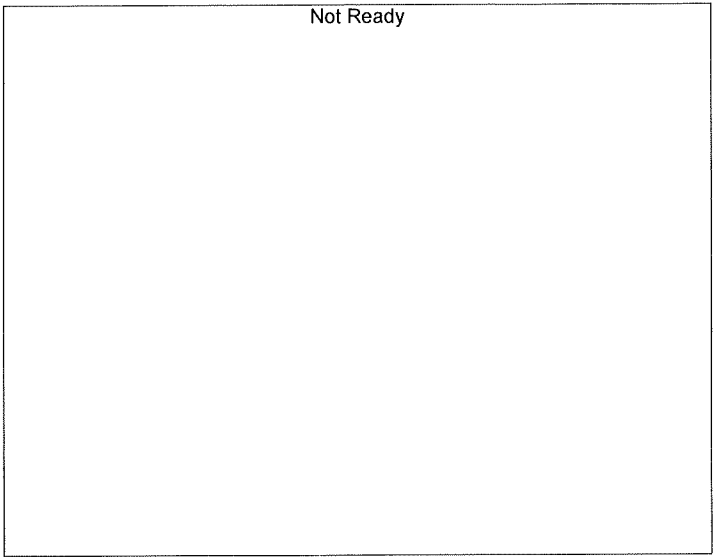
#	Conc.	Area	Std. Conc.
1	0.050	15769	0.0527
2	0.100	32902	0.1002
3	0.200	67066	0.1970
4	0.300	103617	0.2978
5	0.500	178985	0.5021



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

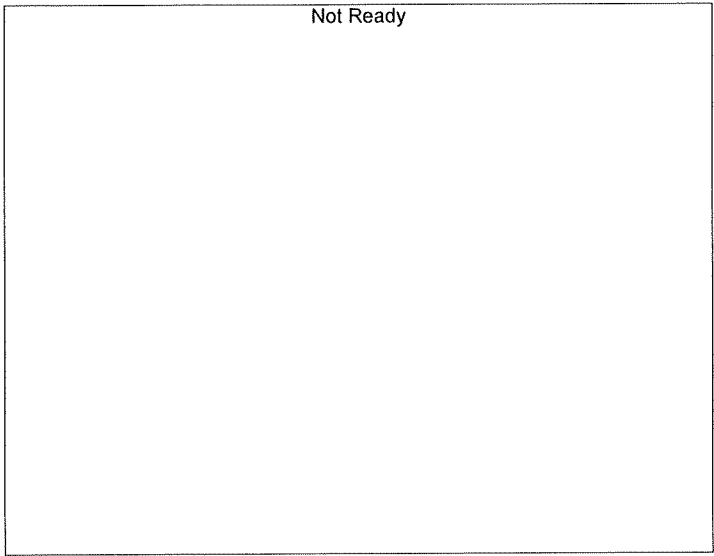
#	Conc.	Area	Std. Conc.
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AS
RC



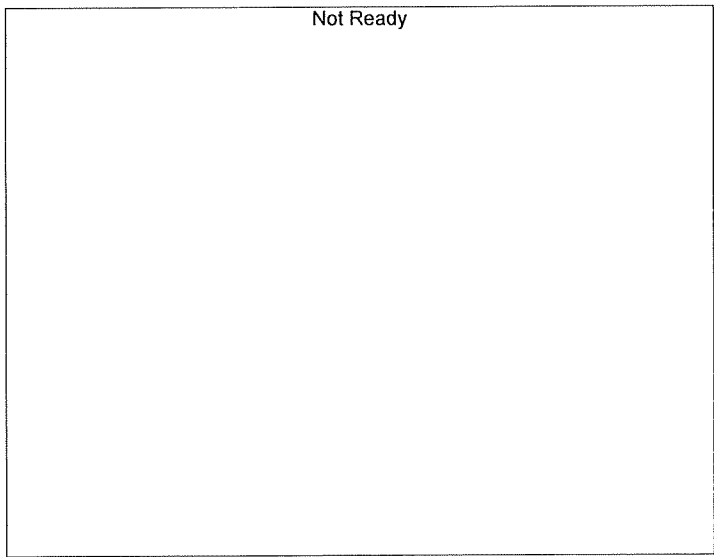
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : DFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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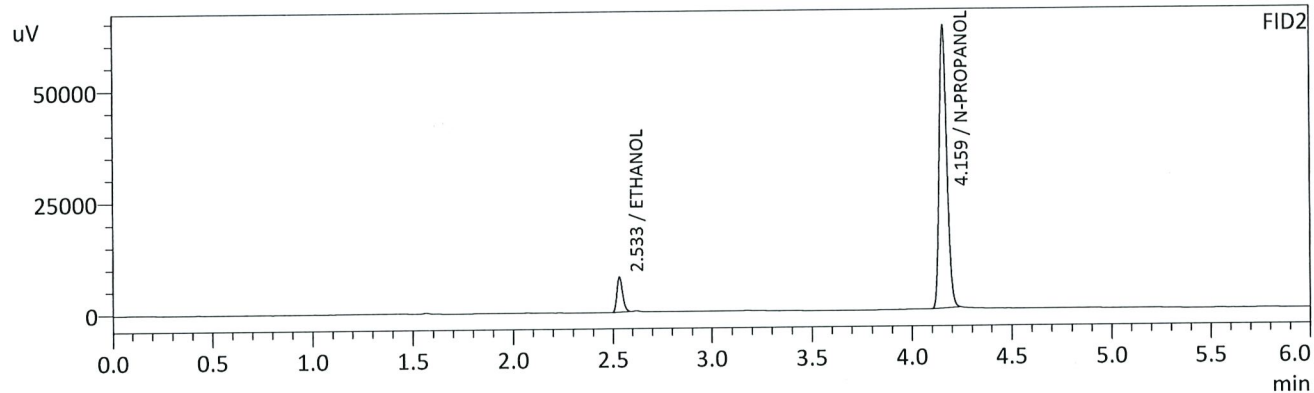
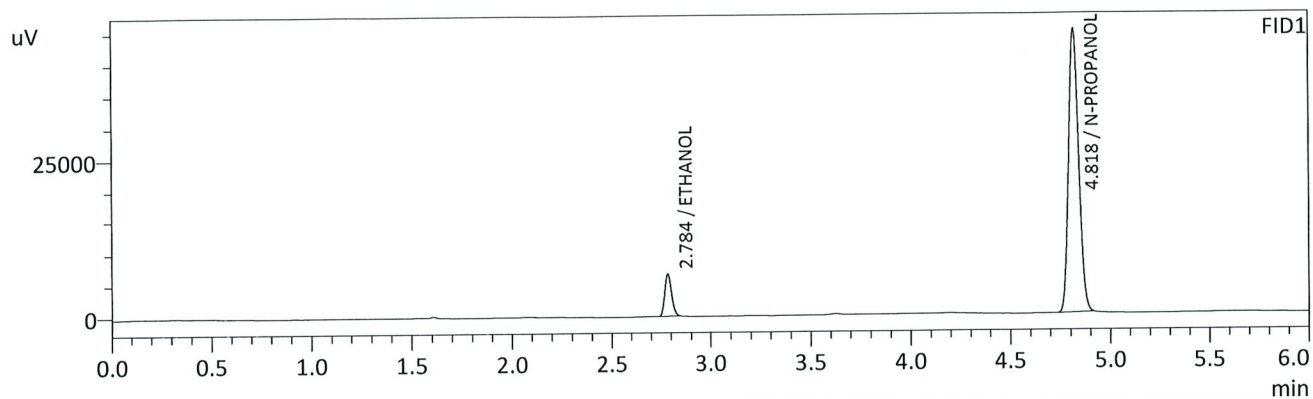


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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RC

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_572021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:02:57 PM
 Date Processed : 5/8/2021 6:15:43 AM



FID1

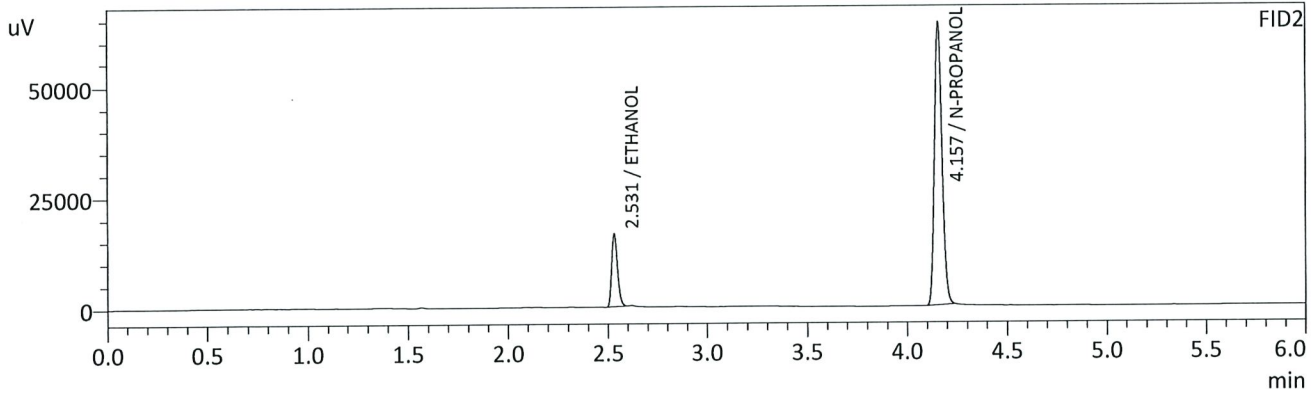
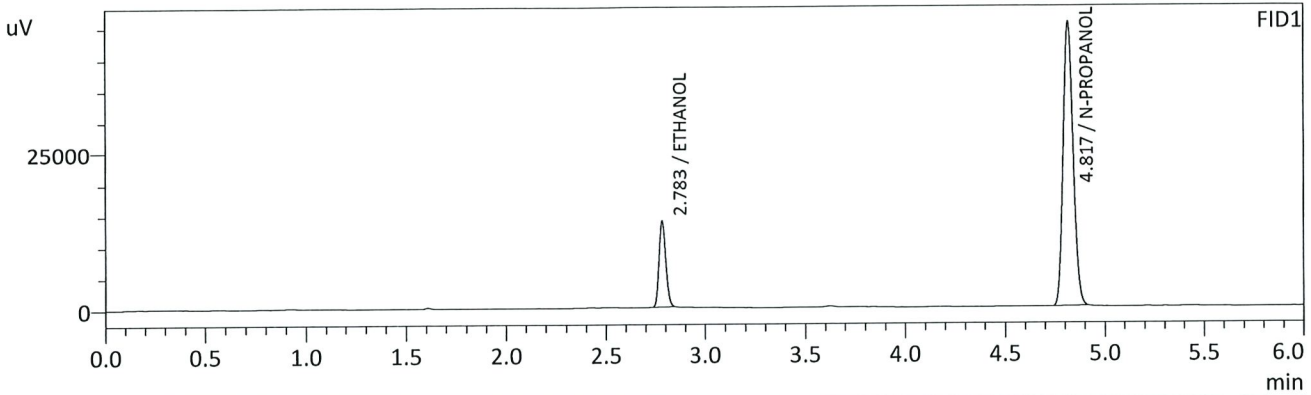
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0516	g/100cc	15844	6723
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157744	45043
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0527	g/100cc	15769	7812
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166418	62916
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS
RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_572021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:11:40 PM
 Date Processed : 5/8/2021 6:15:45 AM



FID1

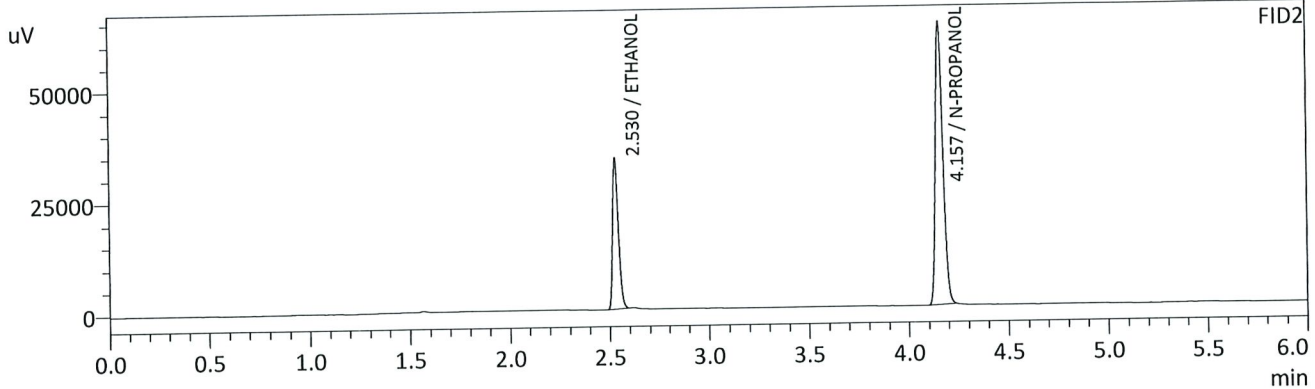
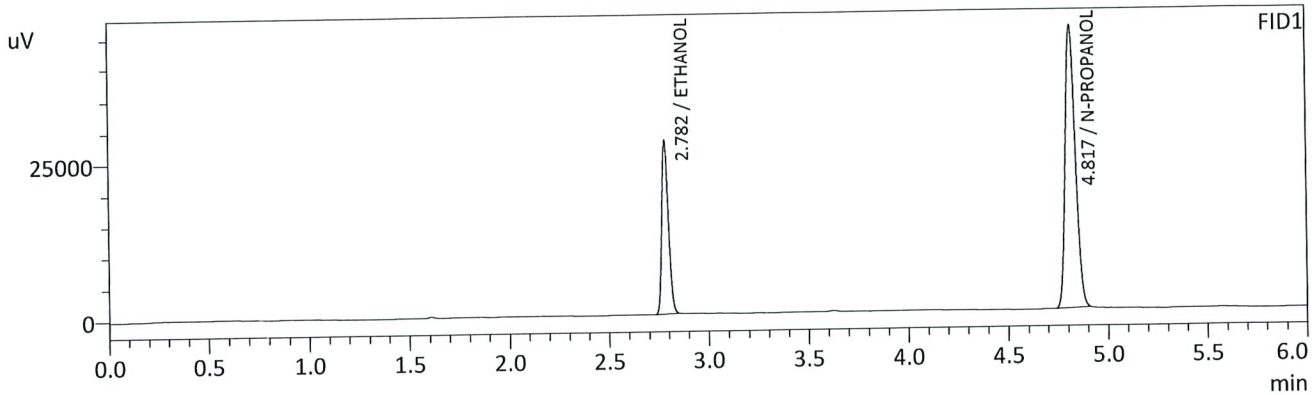
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1006	g/100cc	32441	13764
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159327	45322
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	32902	16397
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168122	63731
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS
RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_572021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:20:24 PM
 Date Processed : 5/8/2021 6:15:46 AM



FID1

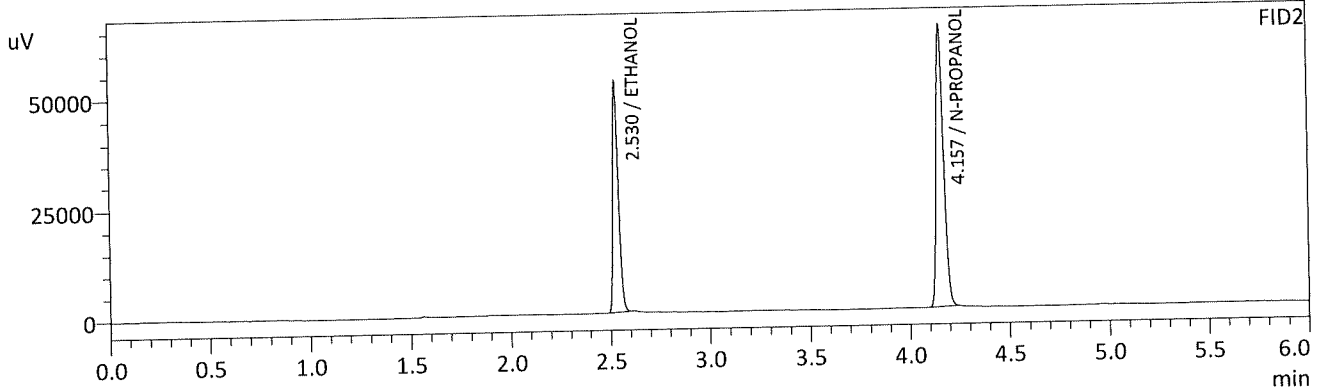
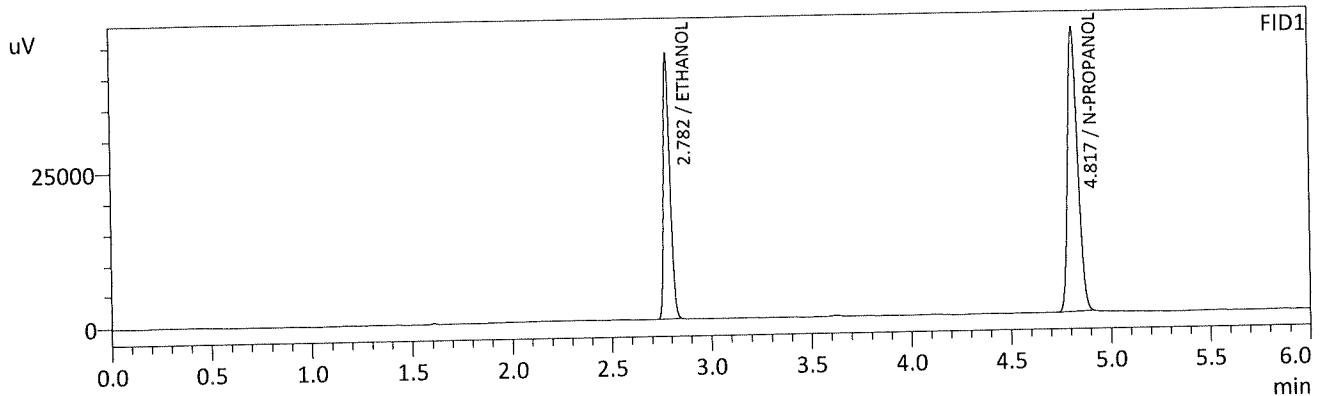
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1981	g/100cc	64998	27522
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158860	45114
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1970	g/100cc	67066	33337
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167078	63219
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_572021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:29:07 PM
 Date Processed : 5/8/2021 6:15:47 AM

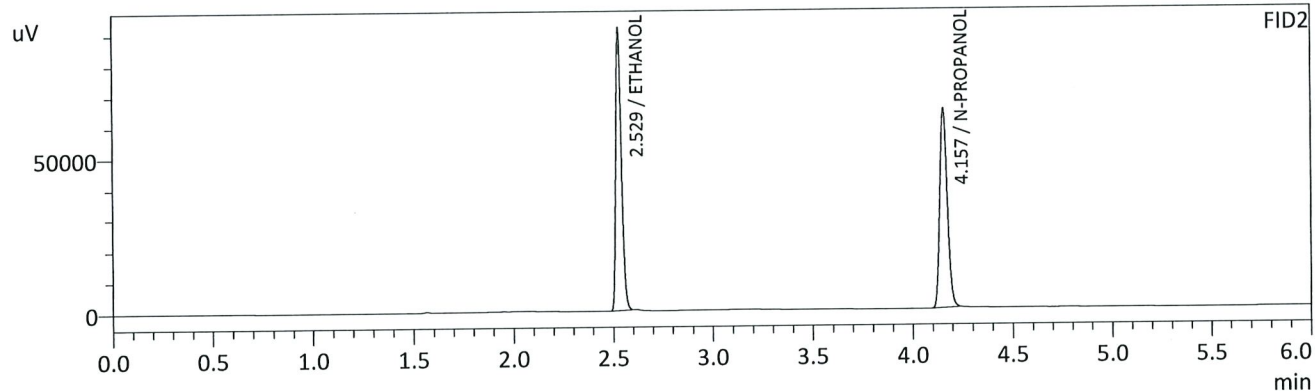
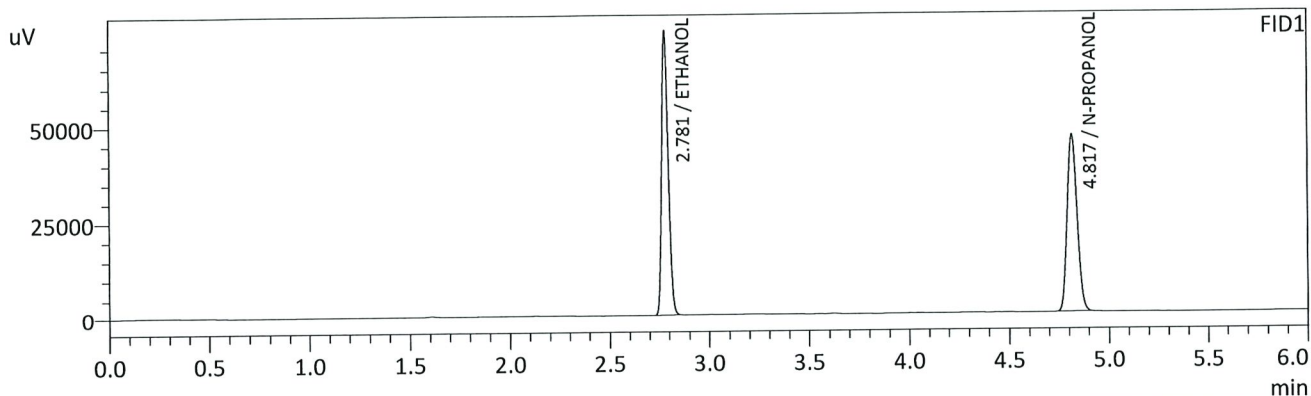


Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	99571	42323
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160787	45723
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2978	g/100cc	103617	51722
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168361	63838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RS
RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_572021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:38:15 PM
 Date Processed : 5/8/2021 6:15:49 AM



FID1

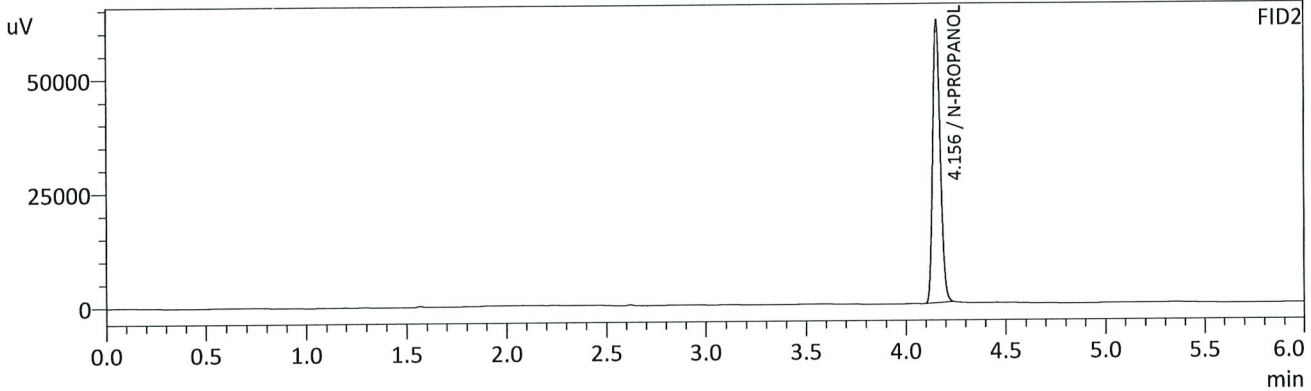
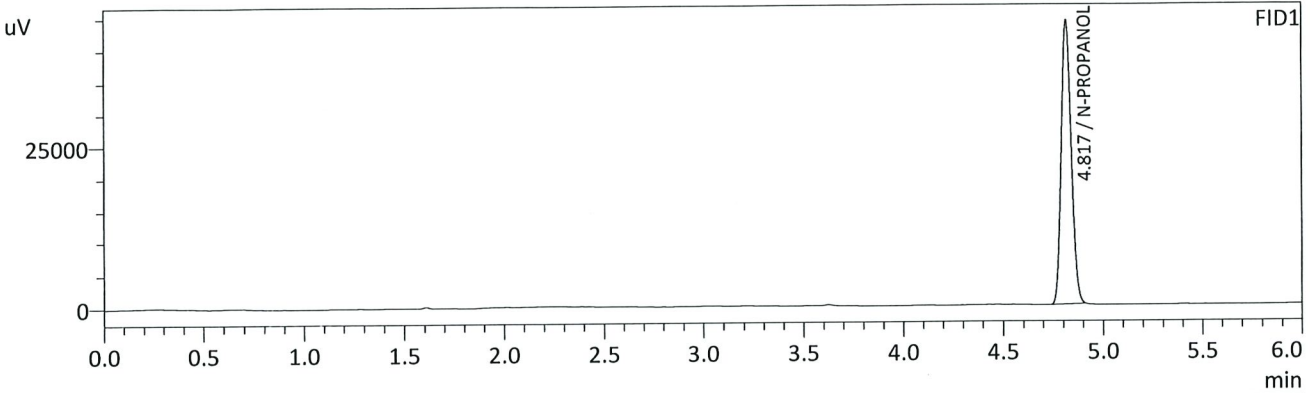
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	170949	73428
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162988	46203
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5021	g/100cc	178985	90280
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170551	64451
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_572021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:46:58 PM
 Date Processed : 5/8/2021 6:15:51 AM



FID1

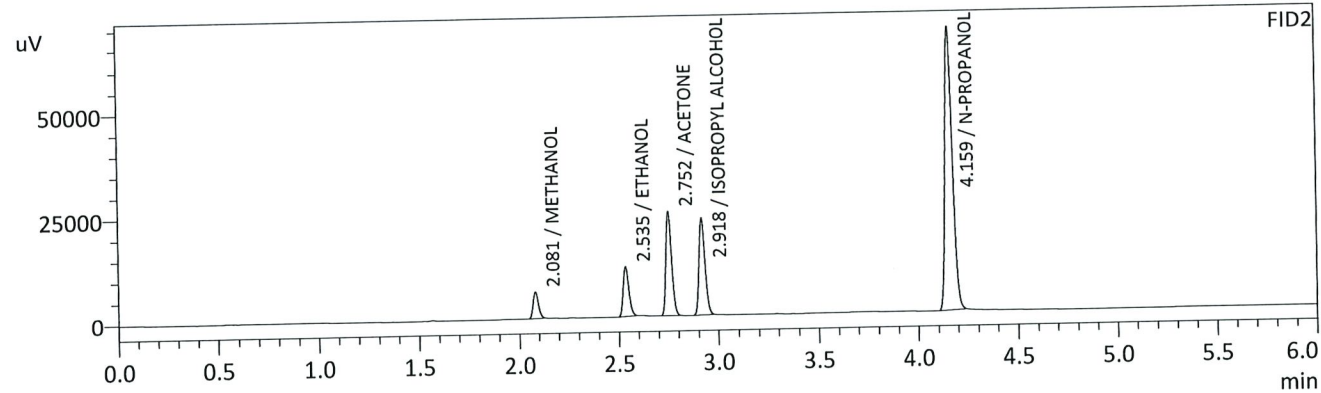
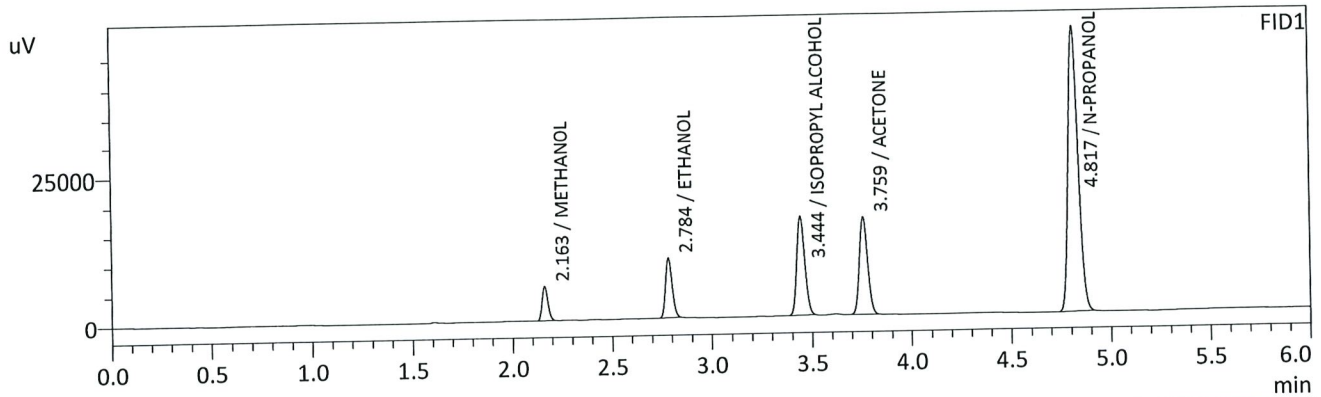
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154426	43968
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	163290	61874
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS
RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_572021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 5:56:08 PM
 Date Processed : 5/8/2021 6:15:52 AM



FID1

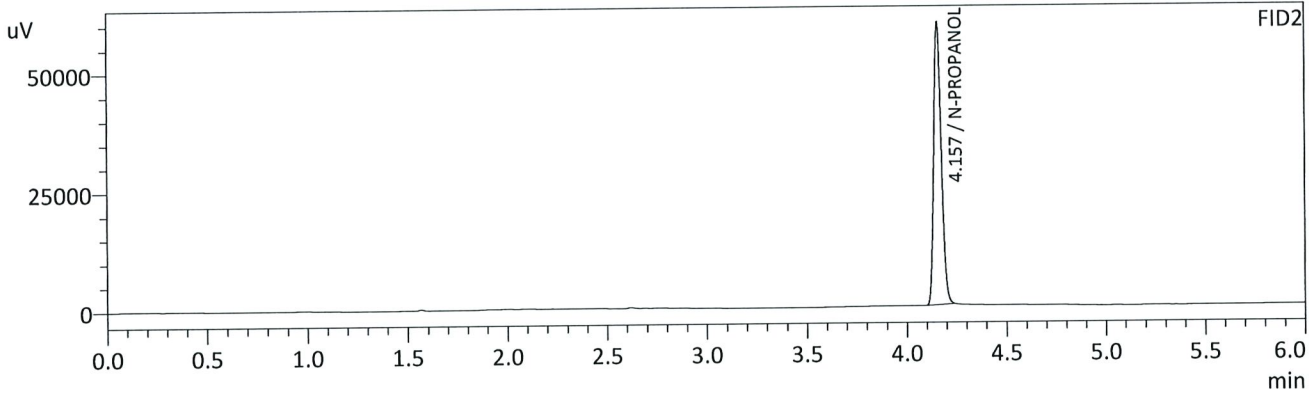
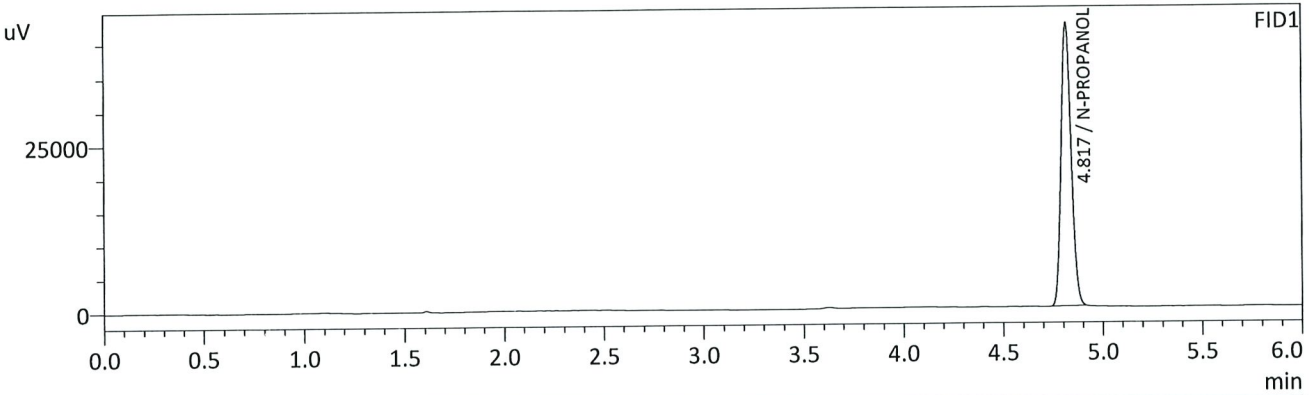
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	11887	5780
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0706	g/100cc	23555	10051
ISOPROPYL ALCOHOL	0.0000	g/100cc	46813	16586
ACETONE	0.0000	g/100cc	47313	16462
N-PROPANOL	0.0000	g/100cc	167635	48046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	12089	6265
ETHANOL	0.0708	g/100cc	23581	11734
ACETONE	0.0000	g/100cc	49819	24766
ISOPROPYL ALCOHOL	0.0000	g/100cc	48836	22925
N-PROPANOL	0.0000	g/100cc	176981	67246
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS
RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_572021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 6:05:02 PM
 Date Processed : 5/8/2021 6:15:53 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	148768	42279
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	156901	59384
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1

Analysis Date(s): 05/07/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0764	0.0007	0.0760	0.0007	0.0763
(g/100cc)	0.0765	0.0769	0.0004	0.0767		

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%

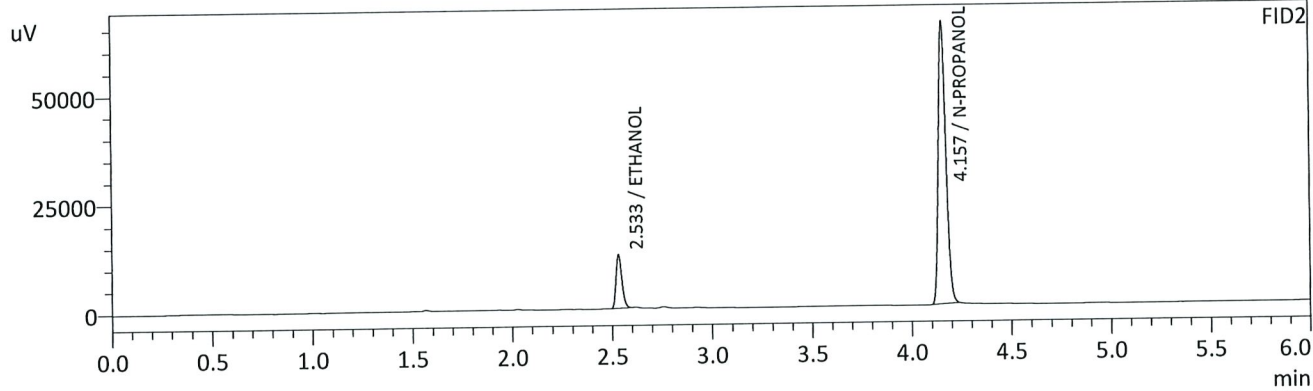
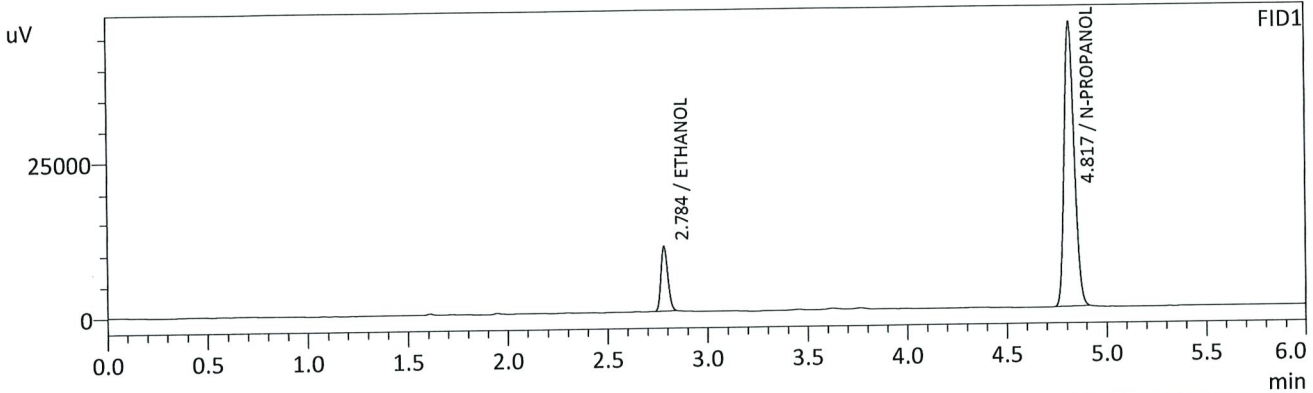
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result	
0.076	

Calibration and control data are stored centrally.

15
RC

Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_572021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 6:13:47 PM
 Date Processed : 5/8/2021 6:15:54 AM



FID1

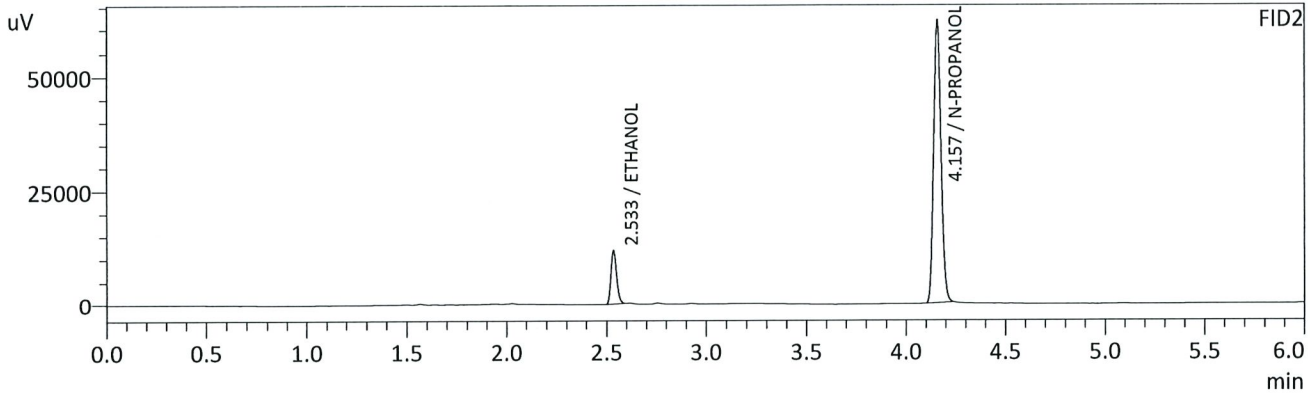
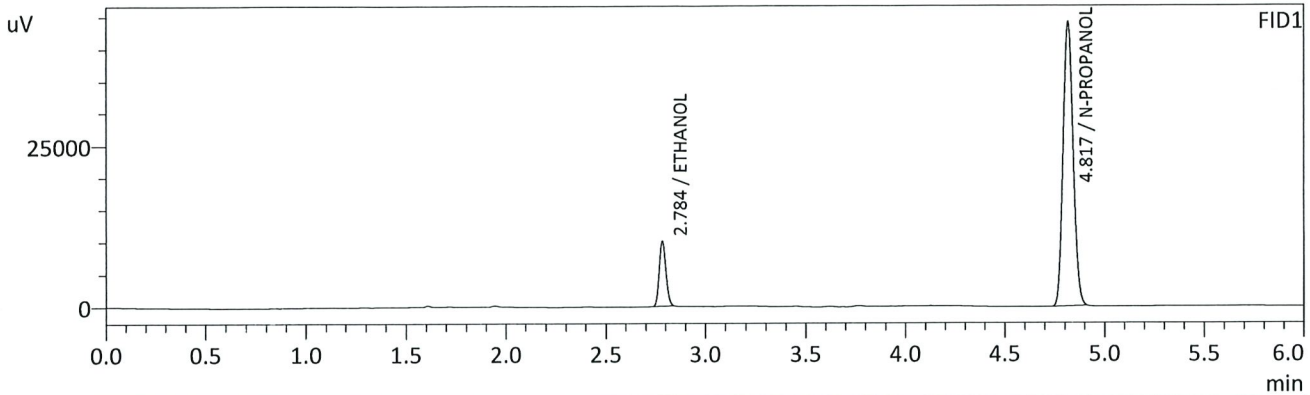
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0757	g/100cc	24468	10417
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161762	45895
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0764	g/100cc	24747	12283
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170409	64667
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_572021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 6:22:38 PM
 Date Processed : 5/8/2021 6:15:55 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0765	g/100cc	23648	10053
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154604	43975
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0769	g/100cc	23745	11755
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162409	61639
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA

Analysis Date(s): 05/07/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0823	0.0819	0.0004	0.0821	0.0001	0.0821
(g/100cc)	0.0821	0.0823	0.0002	0.0822		

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%

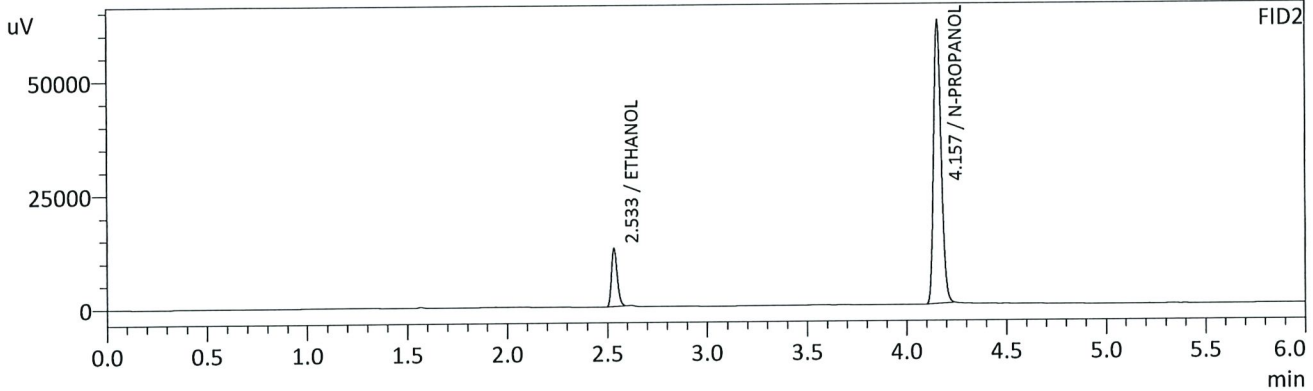
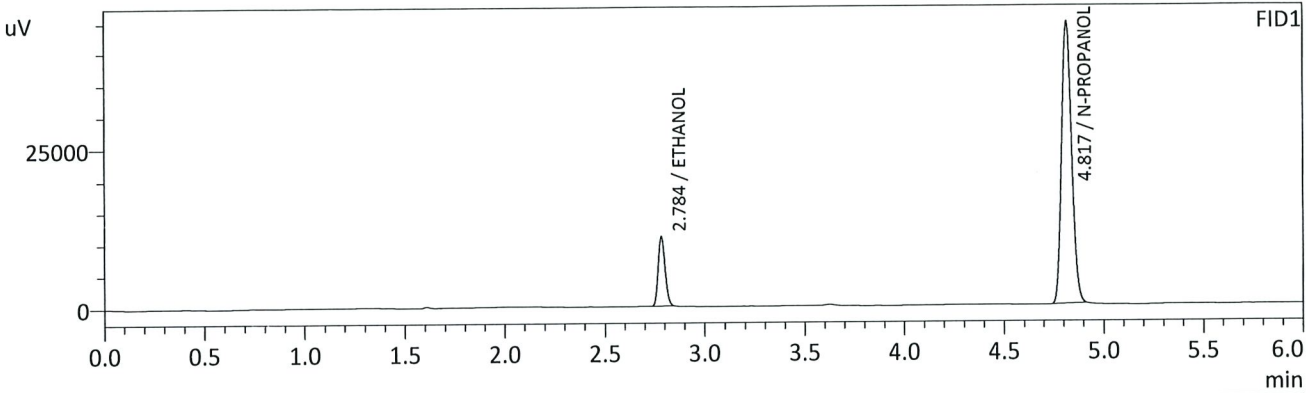
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_572021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 6:31:49 PM
 Date Processed : 5/8/2021 6:15:57 AM



FID1

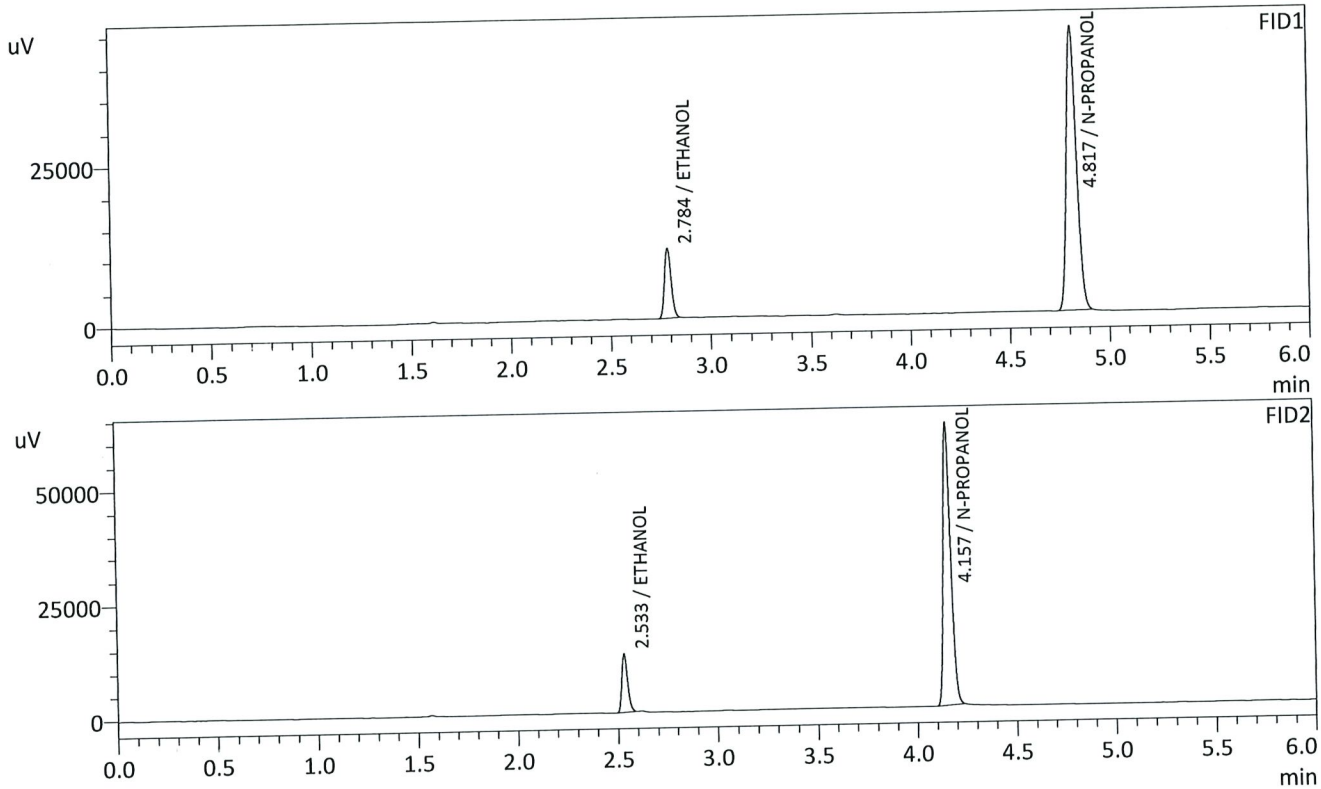
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	25807	10937
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156266	44524
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	25763	12797
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164141	62293
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_572021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 6:40:45 PM
 Date Processed : 5/8/2021 6:15:58 AM



FID1				
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0821	g/100cc	25468	10808
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154656	44096
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	25563	12681
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162120	61541
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AS
RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 05/07/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2109	0.2093	0.0016	0.2101	0.0005	0.2098
(g/100cc)	0.2103	0.2090	0.0013	0.2096		

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%

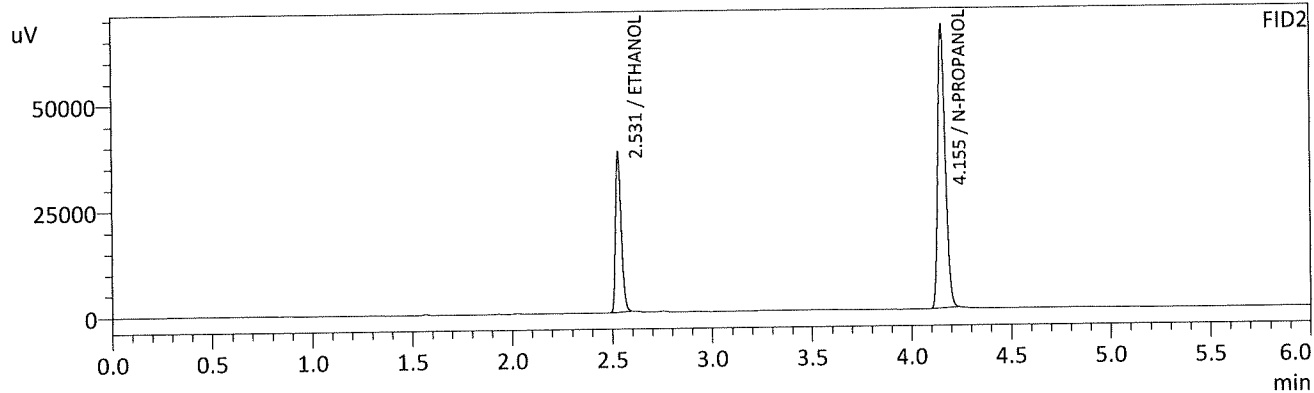
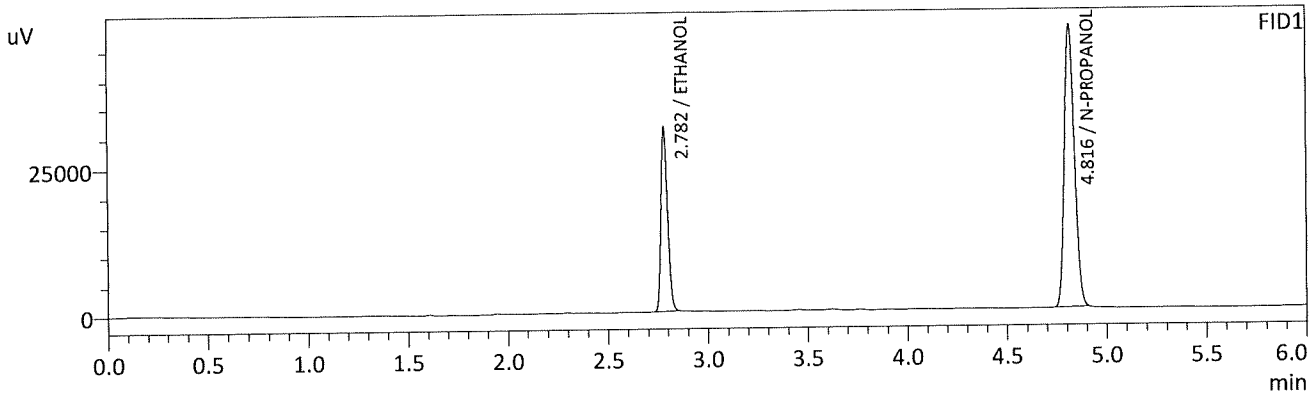
Overall Mean (g/100cc)	Low	High	5% of Mean
0.209	0.198	0.220	0.011

	Reported Result
	0.209

Calibration and control data are stored centrally.

B
RC

Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_572021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 9:28:42 PM
 Date Processed : 5/8/2021 6:16:23 AM



FID1

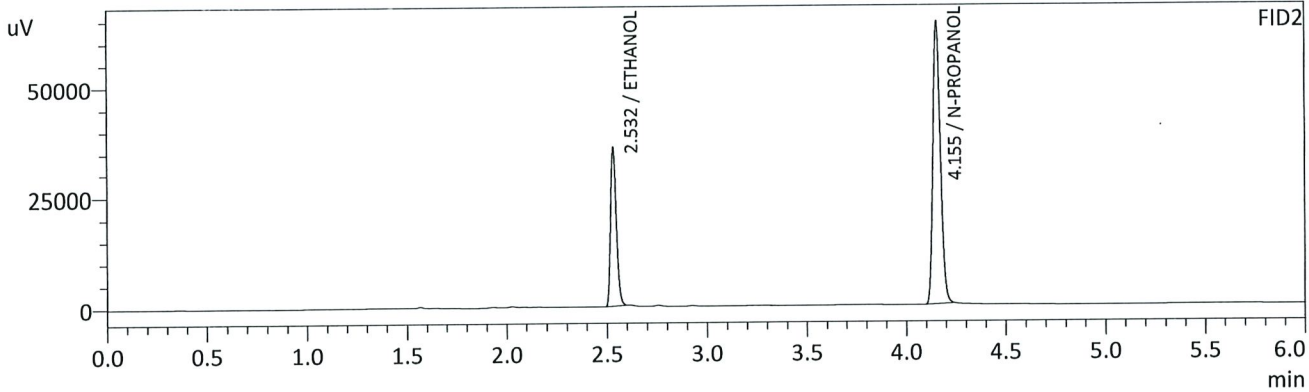
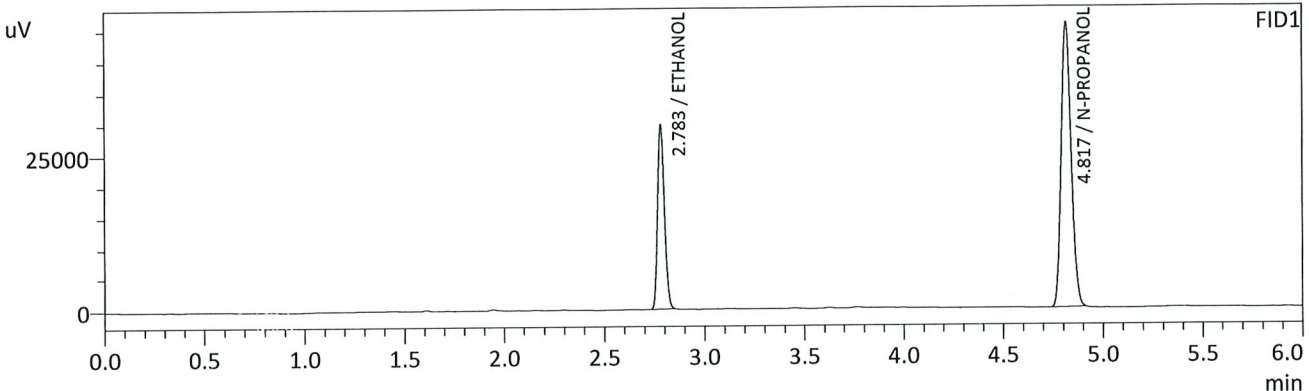
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2109	g/100cc	73170	31051
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167775	47851
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2093	g/100cc	75053	37745
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175602	66694
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B
RC

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_572021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/7/2021 9:37:36 PM
 Date Processed : 5/8/2021 6:16:24 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2103	g/100cc	69535	29606
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159926	45612
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2090	g/100cc	71435	35961
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167339	63937
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS
RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2

Analysis Date(s): 05/07/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0786	0.0779	0.0007	0.0782	0.0002	0.0783
(g/100cc)	0.0783	0.0785	0.0002	0.0784		

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

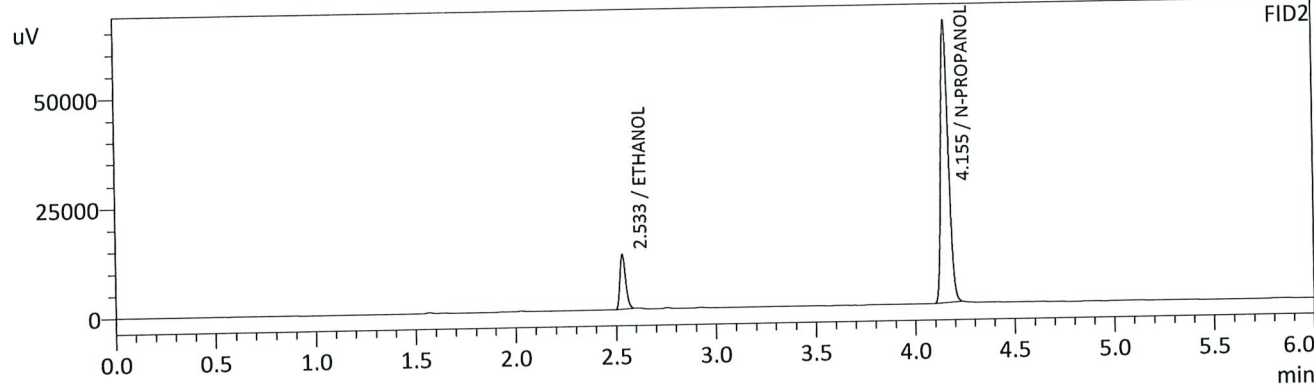
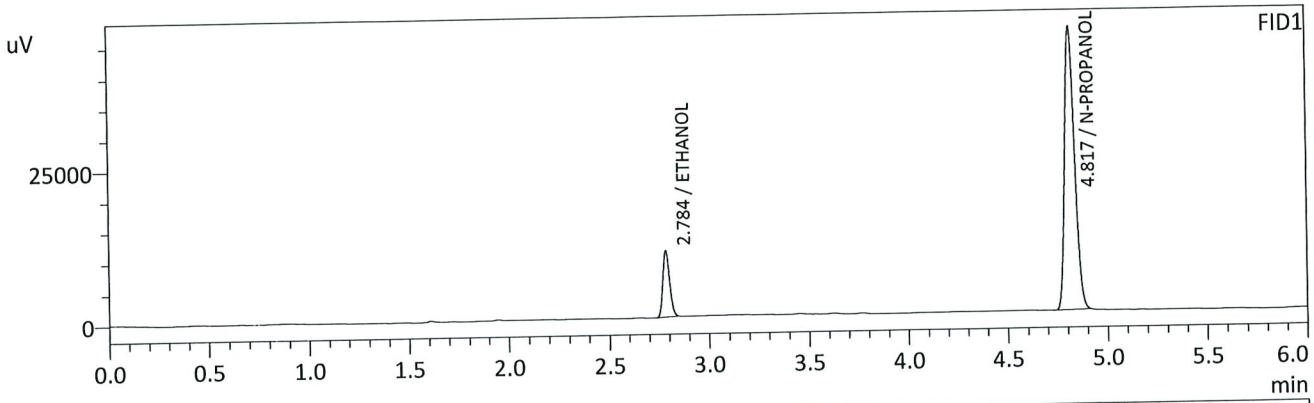
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

RC

Sample Name : QC1-2-A
 Vial # : 51
 Data Filename : QC1-2-A_572021_051.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/8/2021 12:25:38 AM
 Date Processed : 5/8/2021 6:16:47 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0786	g/100cc	25277	10733
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160731	45838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

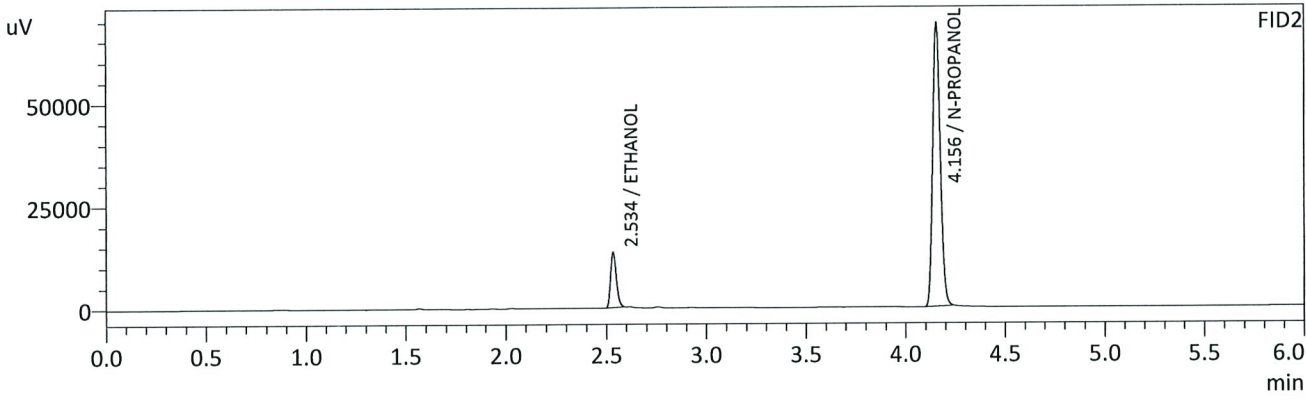
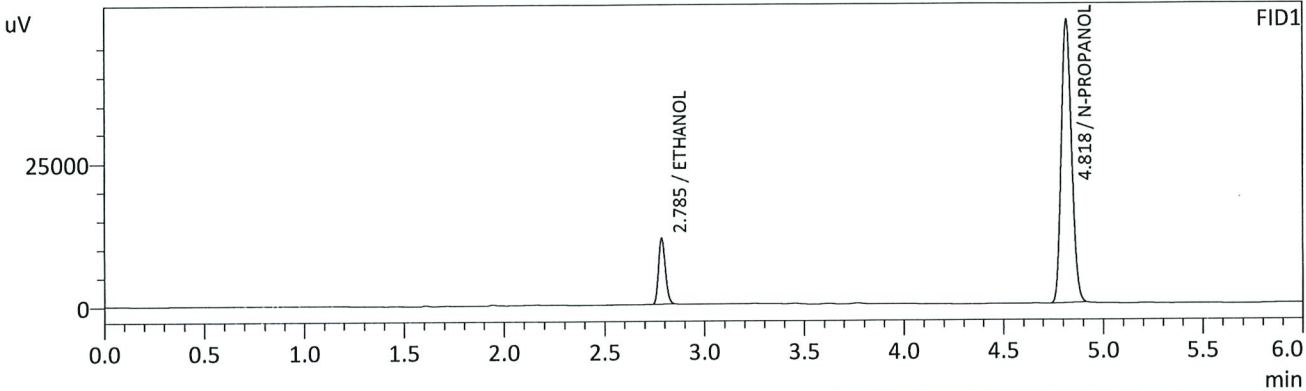
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	25072	12455
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168951	64216
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

RC

Sample Name : QC1-2-B
 Vial # : 52
 Data Filename : QC1-2-B_572021_052.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/8/2021 12:34:36 AM
 Date Processed : 5/8/2021 6:16:48 AM



FID1

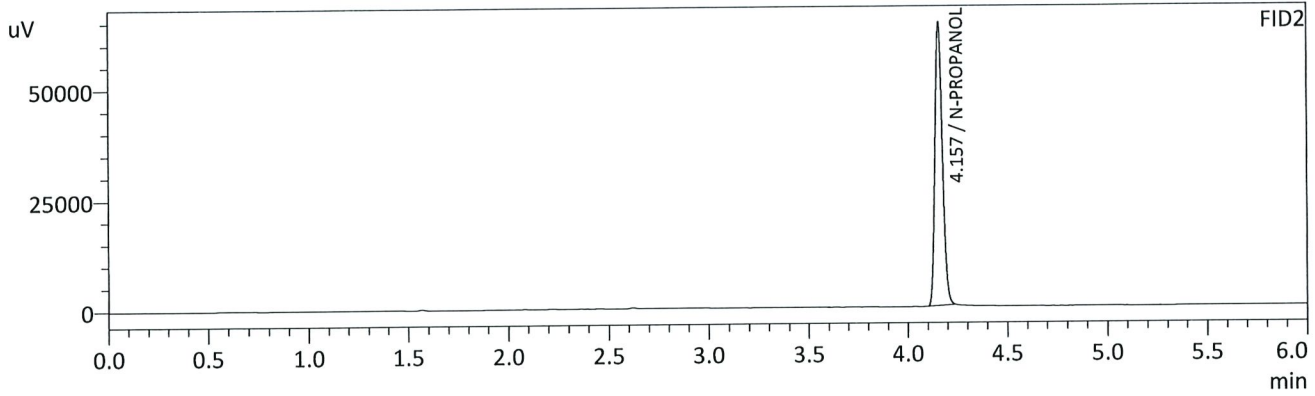
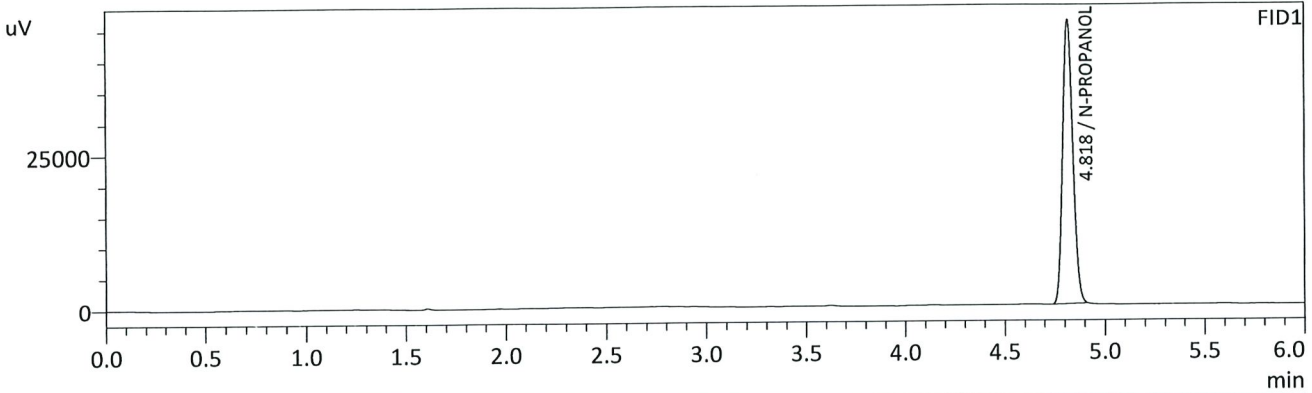
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0783	g/100cc	27062	11488
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172675	49262
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0785	g/100cc	27044	13372
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180846	69043
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC
15

Sample Name : INT STD BLK 3
 Vial # : 53
 Data Filename : INT STD BLK 3_572021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 05-07-21 TS_post.gcb
 Date Acquired : 5/8/2021 12:43:25 AM
 Date Processed : 5/8/2021 6:16:50 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	160699	45953
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	168038	64046
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662
 Shimadzu HS-20 Serial Number: C12595700014
 LabSolutions Version 5.98
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_572021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_572021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_572021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_572021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_572021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_572021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_572021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_572021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_572021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_572021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_572021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_572021_012.gcd	0
13	P2021-1447-1-A	0:Unknown	ALCOHOL.gcm	P2021-1447-1-A_572021_013.gcd	0
14	P2021-1447-1-B	0:Unknown	ALCOHOL.gcm	P2021-1447-1-B_572021_014.gcd	0
15	M2021-1830-1-A	0:Unknown	ALCOHOL.gcm	M2021-1830-1-A_572021_015.gcd	0
16	M2021-1830-1-B	0:Unknown	ALCOHOL.gcm	M2021-1830-1-B_572021_016.gcd	0
17	P2021-1143-1-A	0:Unknown	ALCOHOL.gcm	P2021-1143-1-A_572021_017.gcd	0
18	P2021-1143-1-B	0:Unknown	ALCOHOL.gcm	P2021-1143-1-B_572021_018.gcd	0
19	P2021-1144-1-A	0:Unknown	ALCOHOL.gcm	P2021-1144-1-A_572021_019.gcd	0
20	P2021-1144-1-B	0:Unknown	ALCOHOL.gcm	P2021-1144-1-B_572021_020.gcd	0
21	P2021-1179-1-A	0:Unknown	ALCOHOL.gcm	P2021-1179-1-A_572021_021.gcd	0
22	P2021-1179-1-B	0:Unknown	ALCOHOL.gcm	P2021-1179-1-B_572021_022.gcd	0
23	P2021-1179-2-A	0:Unknown	ALCOHOL.gcm	P2021-1179-2-A_572021_023.gcd	0
24	P2021-1179-2-B	0:Unknown	ALCOHOL.gcm	P2021-1179-2-B_572021_024.gcd	0
25	P2021-1261-2-A	0:Unknown	ALCOHOL.gcm	P2021-1261-2-A_572021_025.gcd	0
26	P2021-1261-2-B	0:Unknown	ALCOHOL.gcm	P2021-1261-2-B_572021_026.gcd	0
27	P2021-1264-1-A	0:Unknown	ALCOHOL.gcm	P2021-1264-1-A_572021_027.gcd	0
28	P2021-1264-1-B	0:Unknown	ALCOHOL.gcm	P2021-1264-1-B_572021_028.gcd	0
29	P2021-1336-1-A	0:Unknown	ALCOHOL.gcm	P2021-1336-1-A_572021_029.gcd	0
30	P2021-1336-1-B	0:Unknown	ALCOHOL.gcm	P2021-1336-1-B_572021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_572021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_572021_032.gcd	0
33	P2021-1337-1-A	0:Unknown	ALCOHOL.gcm	P2021-1337-1-A_572021_033.gcd	0
34	P2021-1337-1-B	0:Unknown	ALCOHOL.gcm	P2021-1337-1-B_572021_034.gcd	0
35	P2021-1338-1-A	0:Unknown	ALCOHOL.gcm	P2021-1338-1-A_572021_035.gcd	0
36	P2021-1338-1-B	0:Unknown	ALCOHOL.gcm	P2021-1338-1-B_572021_036.gcd	0
37	P2021-1339-1-A	0:Unknown	ALCOHOL.gcm	P2021-1339-1-A_572021_037.gcd	0
38	P2021-1339-1-B	0:Unknown	ALCOHOL.gcm	P2021-1339-1-B_572021_038.gcd	0
39	P2021-1347-1-A	0:Unknown	ALCOHOL.gcm	P2021-1347-1-A_572021_039.gcd	0
40	P2021-1347-1-B	0:Unknown	ALCOHOL.gcm	P2021-1347-1-B_572021_040.gcd	0
41	P2021-1370-1-A	0:Unknown	ALCOHOL.gcm	P2021-1370-1-A_572021_041.gcd	0
42	P2021-1370-1-B	0:Unknown	ALCOHOL.gcm	P2021-1370-1-B_572021_042.gcd	0
43	P2021-1371-1-A	0:Unknown	ALCOHOL.gcm	P2021-1371-1-A_572021_043.gcd	0
44	P2021-1371-1-B	0:Unknown	ALCOHOL.gcm	P2021-1371-1-B_572021_044.gcd	0
45	P2021-1375-1-A	0:Unknown	ALCOHOL.gcm	P2021-1375-1-A_572021_045.gcd	0
46	P2021-1375-1-B	0:Unknown	ALCOHOL.gcm	P2021-1375-1-B_572021_046.gcd	0
47	P2021-1377-1-A	0:Unknown	ALCOHOL.gcm	P2021-1377-1-A_572021_047.gcd	0
48	P2021-1377-1-B	0:Unknown	ALCOHOL.gcm	P2021-1377-1-B_572021_048.gcd	0
49	P2021-1378-1-A	0:Unknown	ALCOHOL.gcm	P2021-1378-1-A_572021_049.gcd	0
50	P2021-1378-1-B	0:Unknown	ALCOHOL.gcm	P2021-1378-1-B_572021_050.gcd	0
51	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_572021_051.gcd	0
52	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_572021_052.gcd	0

B

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_572021_053.gcd	0

RC