













**Worklist: 4886**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-0642	1	BCK	Alcohol Analysis	
P2021-0711	1	BCK	Alcohol Analysis	
P2021-0713	1	BCK	Alcohol Analysis	
P2021-0713	2	BCK	Alcohol Analysis	
P2021-0713	3	BCK	Alcohol Analysis	
P2021-0743	1	BCK	Alcohol Analysis	
P2021-0844	1	BCK	Alcohol Analysis	
P2021-0845	1	BCK	Alcohol Analysis	
P2021-0847	1	BCK	Alcohol Analysis	
P2021-0848	1	BCK	Alcohol Analysis	
P2021-0849	1	BCK	Alcohol Analysis	
P2021-0863	1	BCK	Alcohol Analysis	
P2021-0873	1	BCK	Alcohol Analysis	
P2021-0905	1	BCK	Alcohol Analysis	
P2021-0907	1	BCK	Alcohol Analysis	
P2021-0908	1	BCK	Alcohol Analysis	
P2021-0947	1	BCK	Alcohol Analysis	
P2021-0968	1	BCK	Alcohol Analysis	
P2021-0969	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): 04/05/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0769 g/100cc 0.0804 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2129 g/100cc g/100cc g/100cc
Multi-Component mixture:			Lot #	FN07101701	ok
Curve Fit:			Column 1	0.99986	Column2
			Column2	0.99968	

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0522	0.0534	0.0012	0.0528
100	0.100	0.090 - 0.110	0.1002	0.1002	0.0000	0.1002
200	0.200	0.180 - 0.220	0.1972	0.1962	0.0010	0.1967
300	0.300	0.270 - 0.330	0.2984	0.2972	0.0012	0.2978
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5027	0.001	0.5022

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

15

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

Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Data File>>  
Method File :C:\LabSolutions\Data\2021\4-5-21 TS\ALCOHOL.gcm ✓  
Batch File :C:\LabSolutions\Data\2021\4-5-21 TS\040521\_TS\_POST.gcb  
Date Acquired :4/5/2021 2:19:37 PM  
Date Created :4/5/2021 2:17:06 PM  
Date Modified :4/6/2021 6:57:59 AM



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

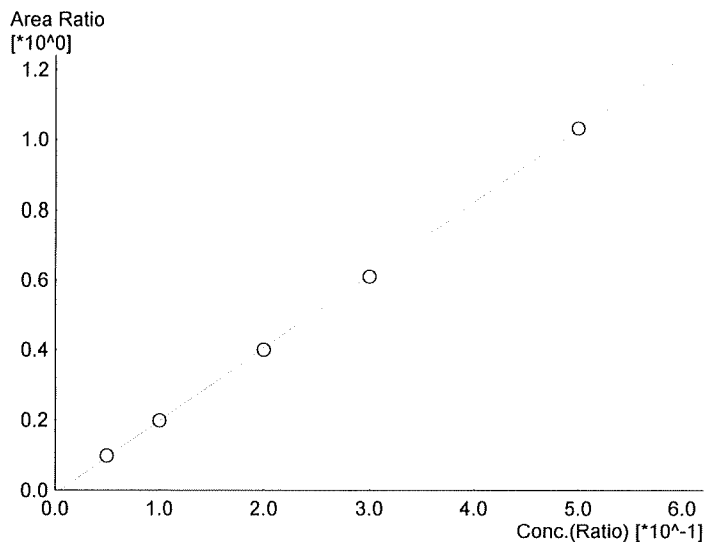
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

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

TS



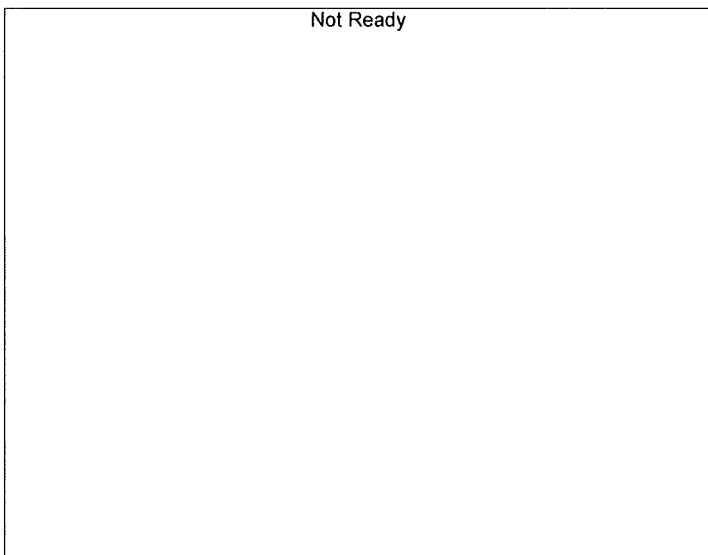
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.07523*x-0.0103775$   
 R<sup>2</sup> value= 0.9998603  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15074	0.0522
2	0.100	30426	0.1002
3	0.200	61741	0.1972
4	0.300	93840	0.2984
5	0.500	156452	0.5017



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

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

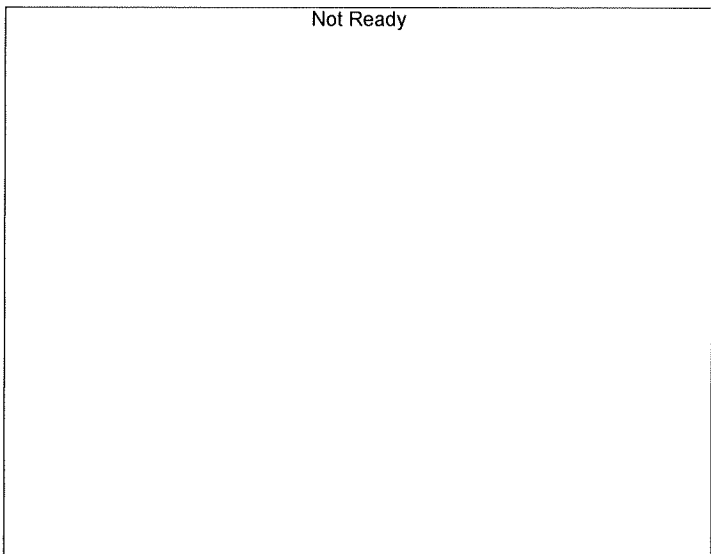


Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



TS



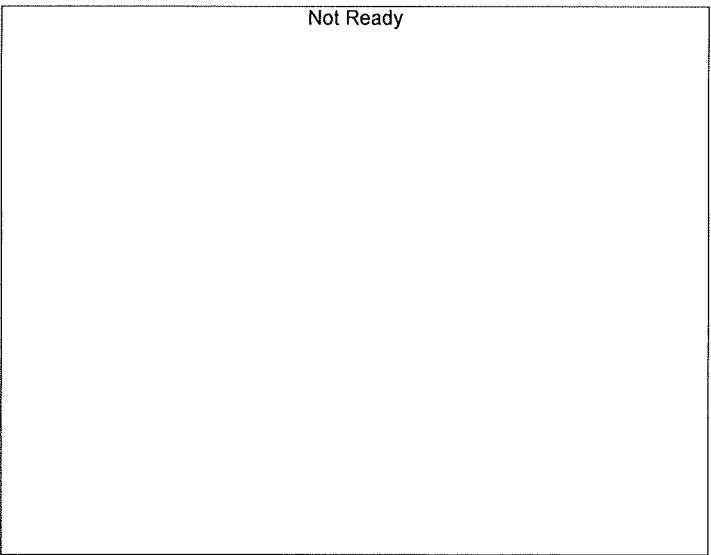
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



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

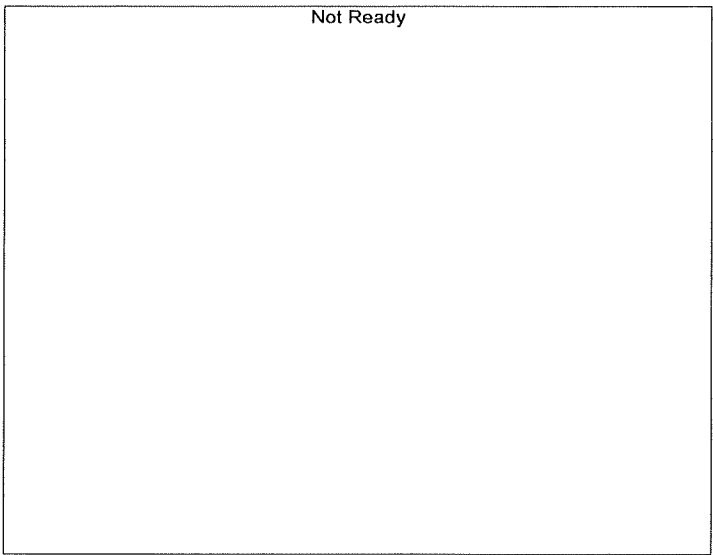
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

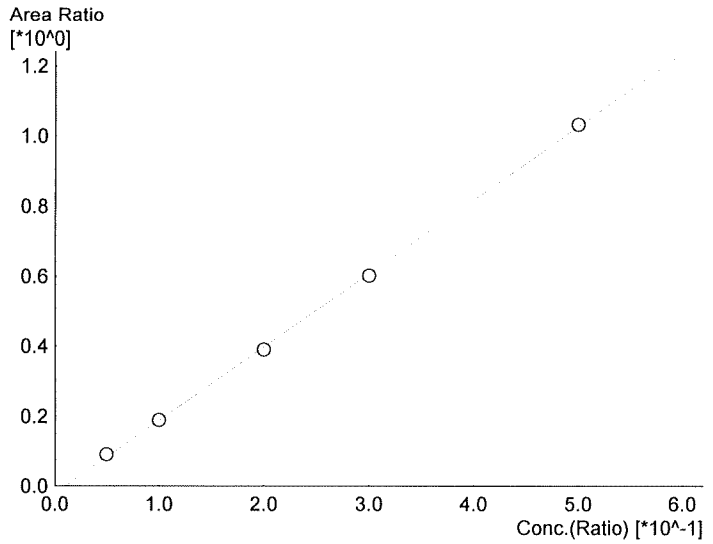
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS



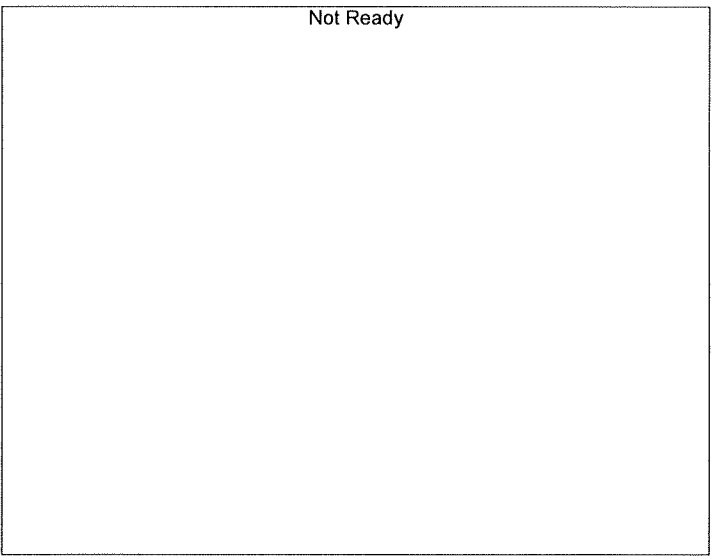
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.09535*x-0.0211469$   
 R<sup>2</sup> value= 0.9996809 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14593	0.0534
2	0.100	30386	0.1002
3	0.200	62952	0.1962
4	0.300	96697	0.2972
5	0.500	163139	0.5027



Name : ACETONE  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

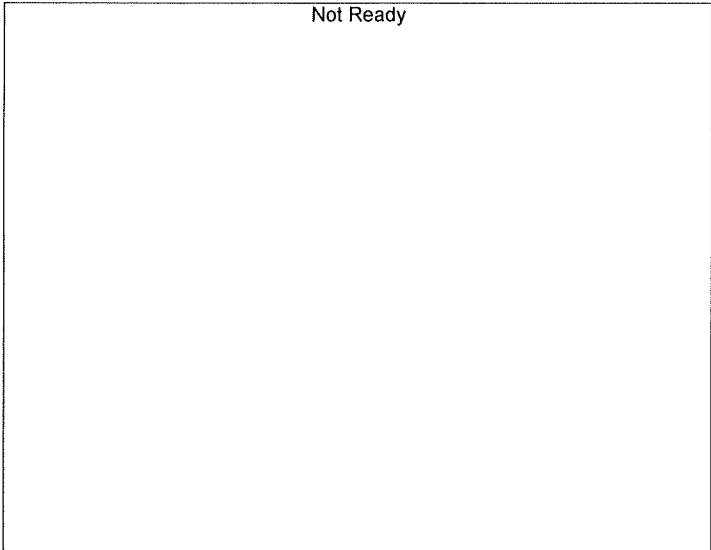
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS



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.
---	-------	------	------------



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

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

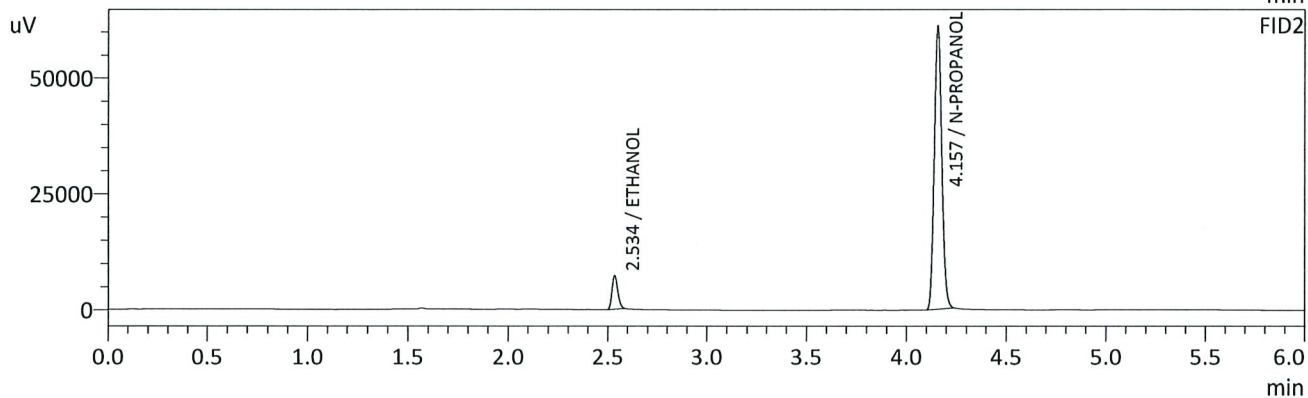
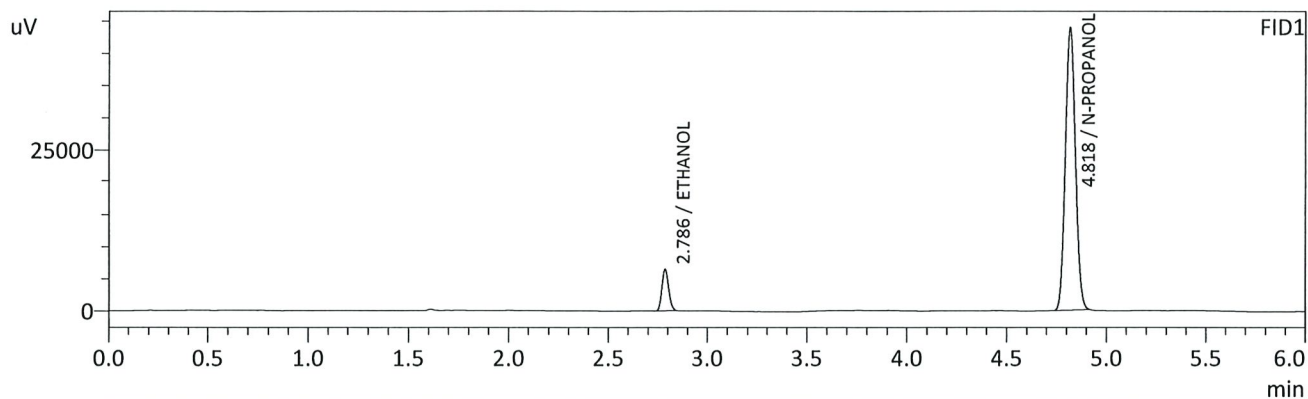


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

B

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_452021\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 1:44:28 PM  
 Date Processed : 4/6/2021 6:57:51 AM



FID1

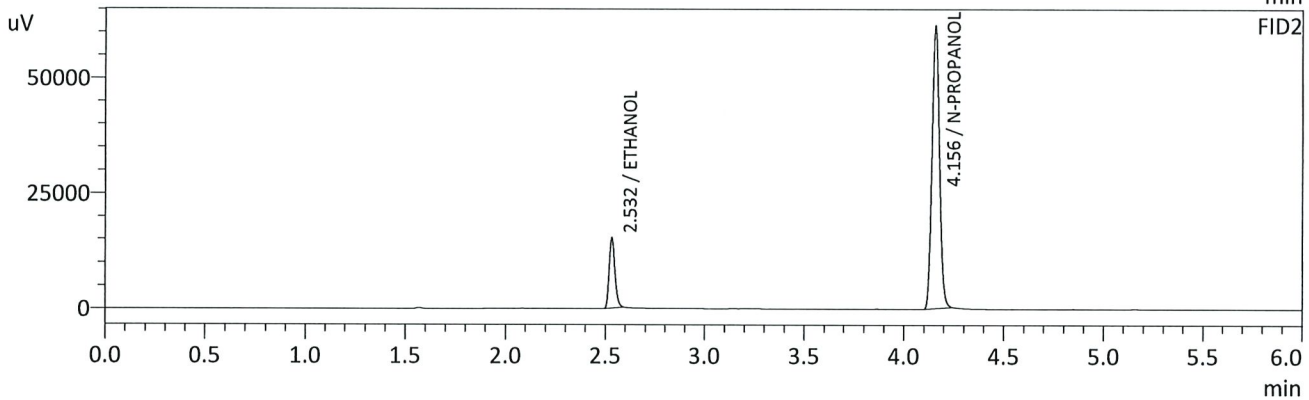
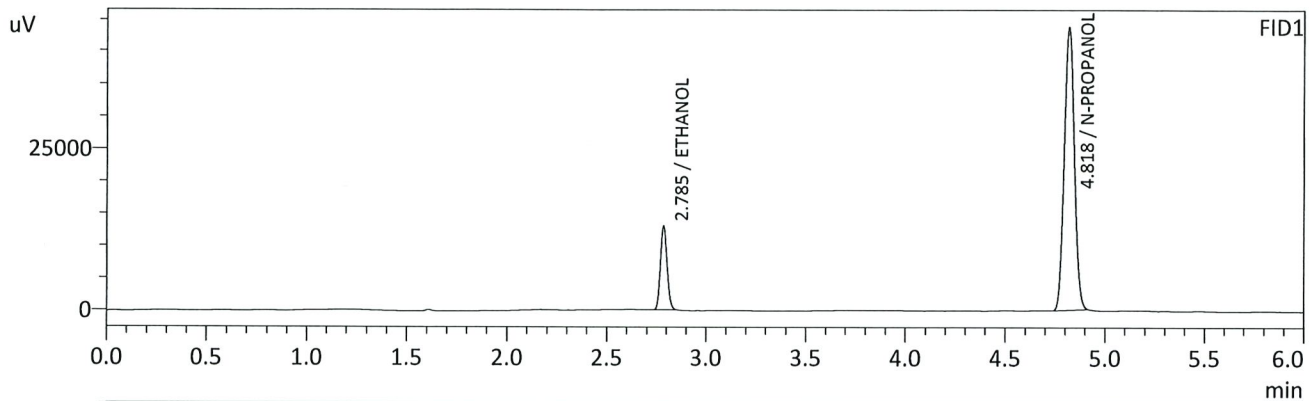
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0522	g/100cc	15074	6385
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153762	43815
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0534	g/100cc	14593	7188
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160627	60970
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_452021\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 1:53:07 PM  
 Date Processed : 4/6/2021 6:57:53 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	30426	12971
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153857	43781
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

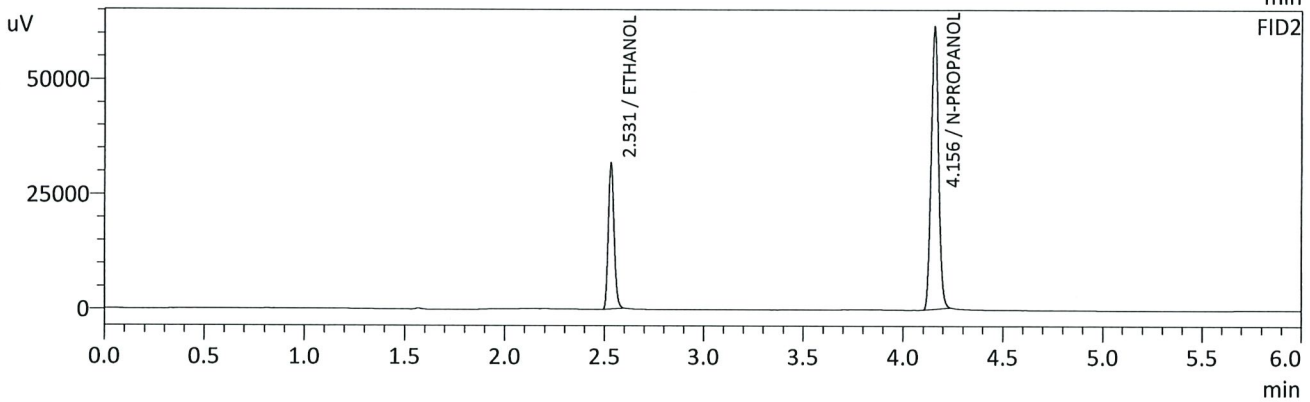
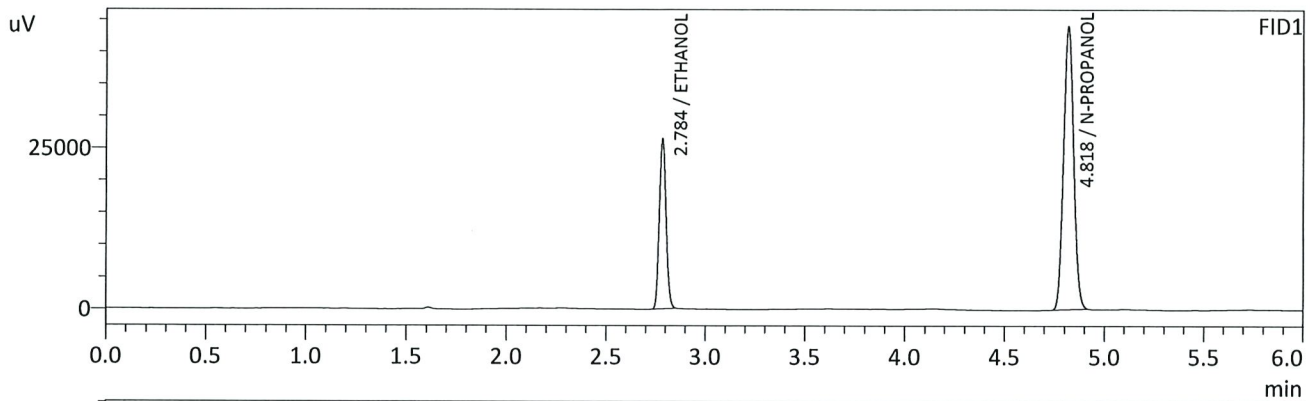
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	30386	15146
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160774	61234
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_452021\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:01:57 PM  
 Date Processed : 4/6/2021 6:57:55 AM



## FID1

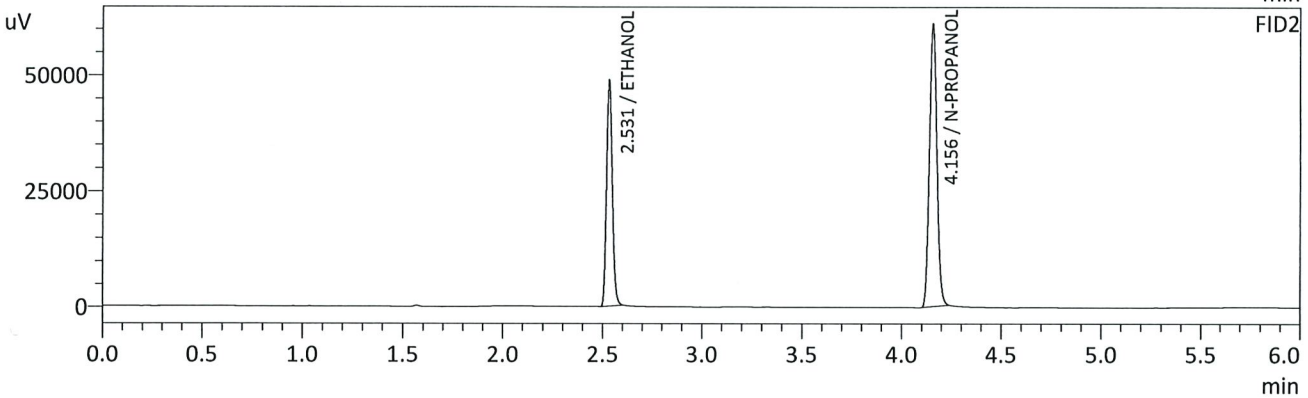
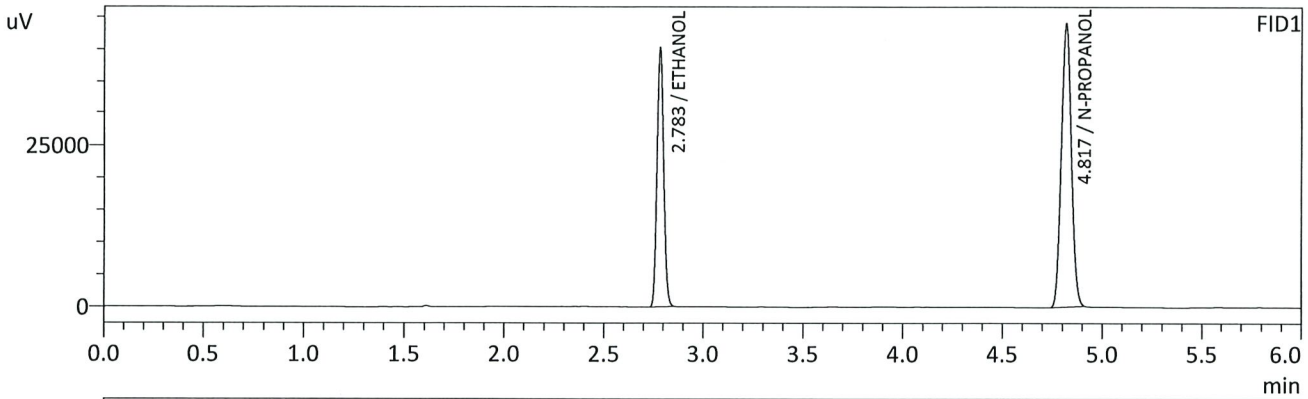
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1972	g/100cc	61741	26360
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154752	43965
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1962	g/100cc	62952	31474
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161400	61363
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_452021\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:10:58 PM  
 Date Processed : 4/6/2021 6:57:57 AM



FID1

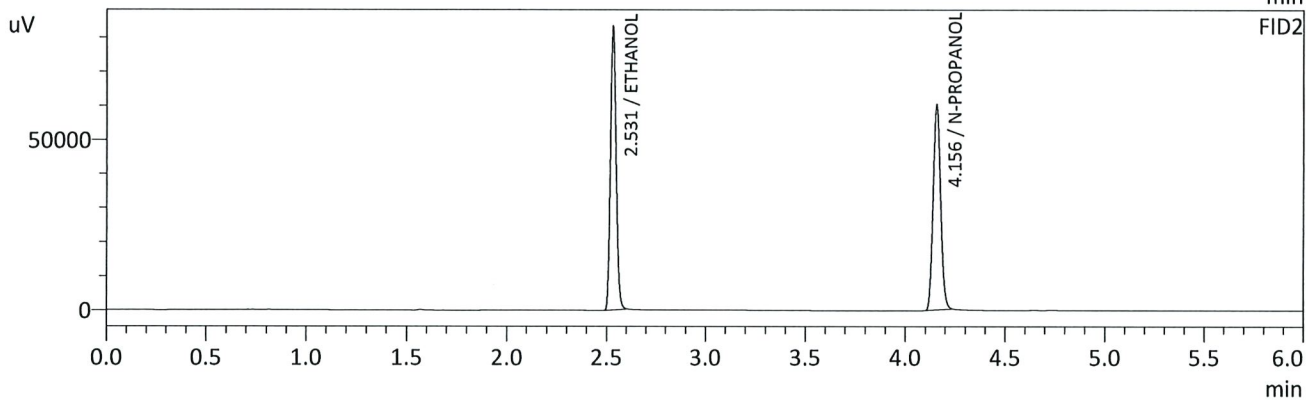
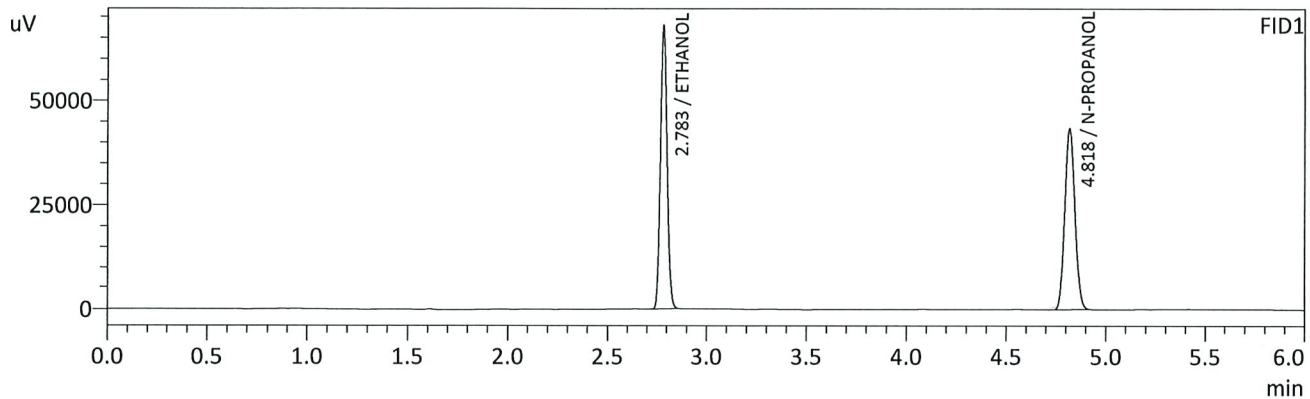
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	93840	40127
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154072	43920
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2972	g/100cc	96697	48544
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160680	61007
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_452021\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:19:37 PM  
 Date Processed : 4/6/2021 6:57:59 AM



FID1

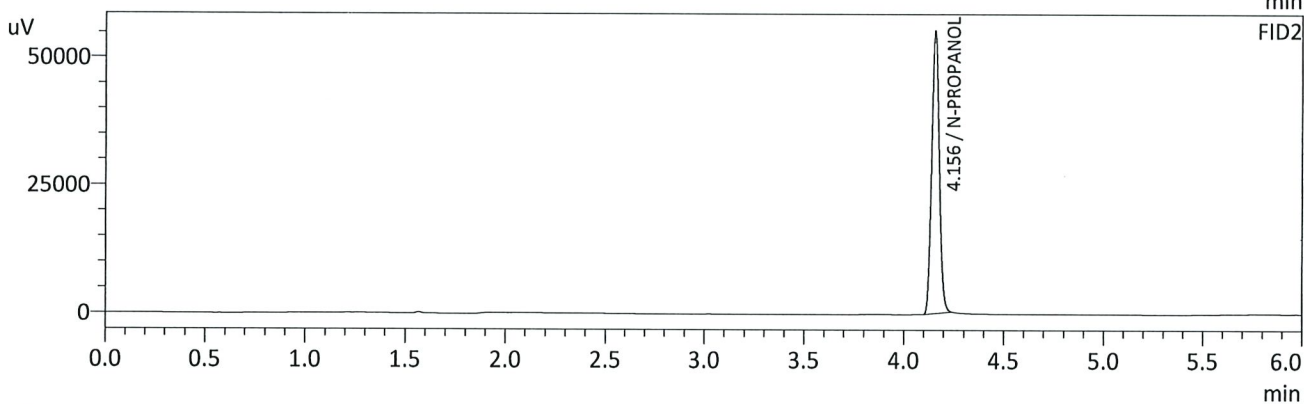
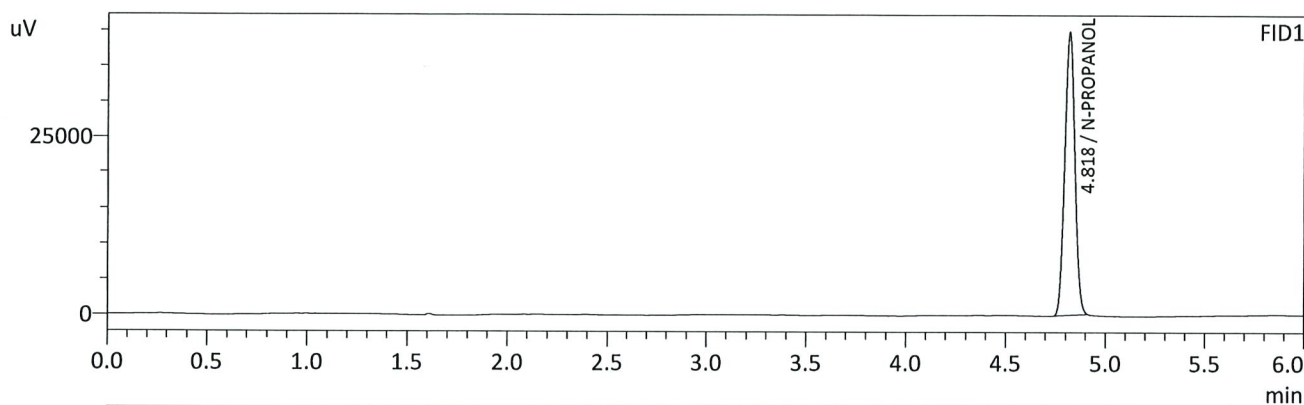
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	156452	67525
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151776	43412
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5027	g/100cc	163139	82517
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158044	60248
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1  
 Vial # : 6  
 Data Filename : INT STD BLK 1\_452021\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:28:24 PM  
 Date Processed : 4/6/2021 6:58:01 AM



FID1

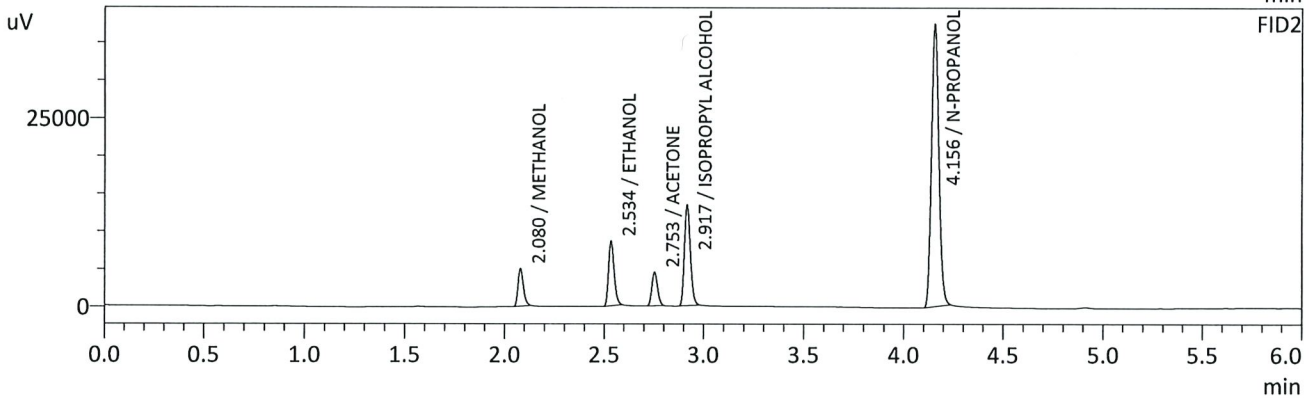
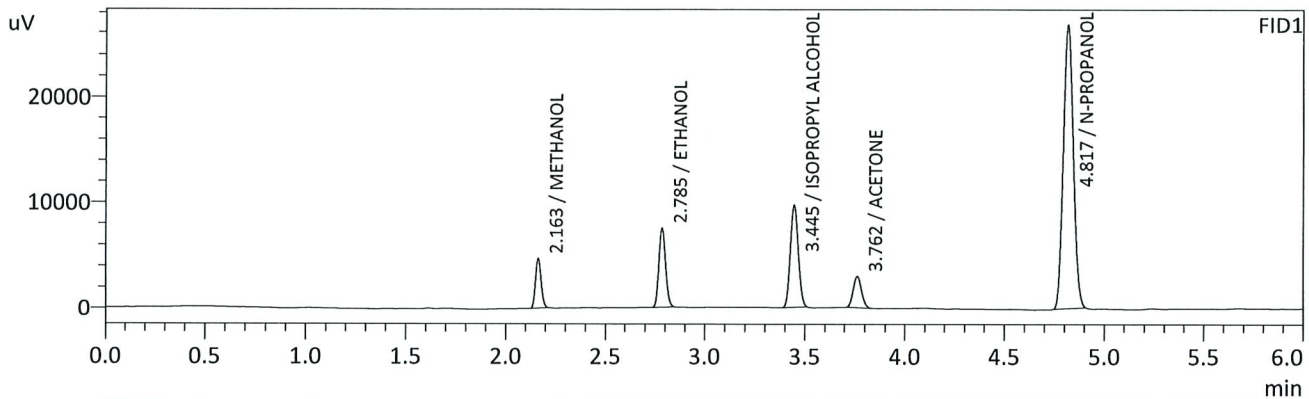
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139577	39811
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	146170	55235
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : MULTI-COMP MIX  
 Vial # : 7  
 Data Filename : MULTI-COMP MIX\_452021\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:37:00 PM  
 Date Processed : 4/6/2021 6:58:03 AM



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	9359	4698
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0935	g/100cc	17116	7455
ISOPROPYL ALCOHOL	0.0000	g/100cc	26634	9614
ACETONE	0.0000	g/100cc	8502	2946
N-PROPANOL	0.0000	g/100cc	93158	26695
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

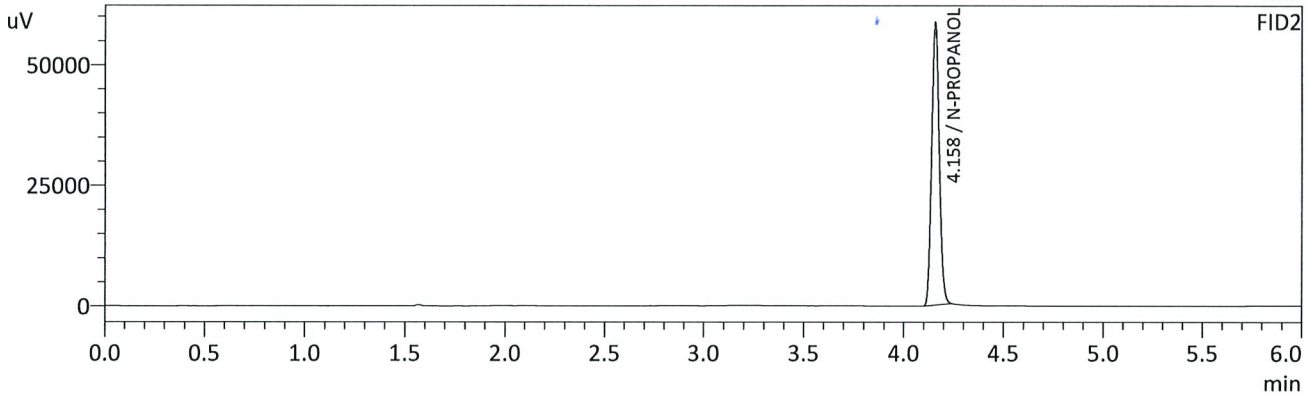
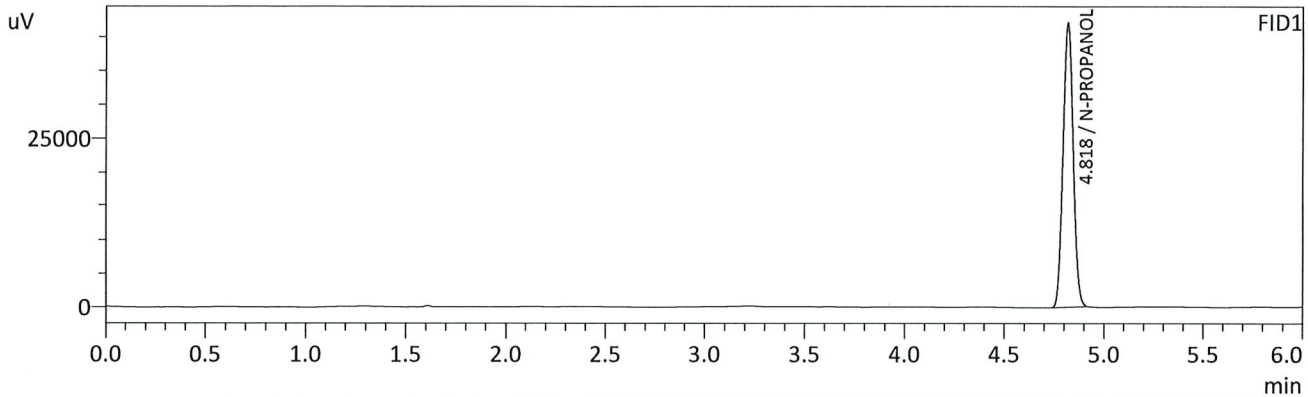
## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	9249	4946
ETHANOL	0.0932	g/100cc	16930	8438
ACETONE	0.0000	g/100cc	8769	4384
ISOPROPYL ALCOHOL	0.0000	g/100cc	27817	13166
N-PROPANOL	0.0000	g/100cc	97208	37377
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

Sample Name : INT STD BLK 2  
 Vial # : 8  
 Data Filename : INT STD BLK 2\_452021\_008.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:45:51 PM  
 Date Processed : 4/6/2021 6:58:04 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	147235	41989
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	153835	58175
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-1

Analysis Date(s): 04/05/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0770	0.0768	0.0002	0.0769	0.0000	0.0769
(g/100cc)	0.0768	0.0770	0.0002	0.0769		

**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%

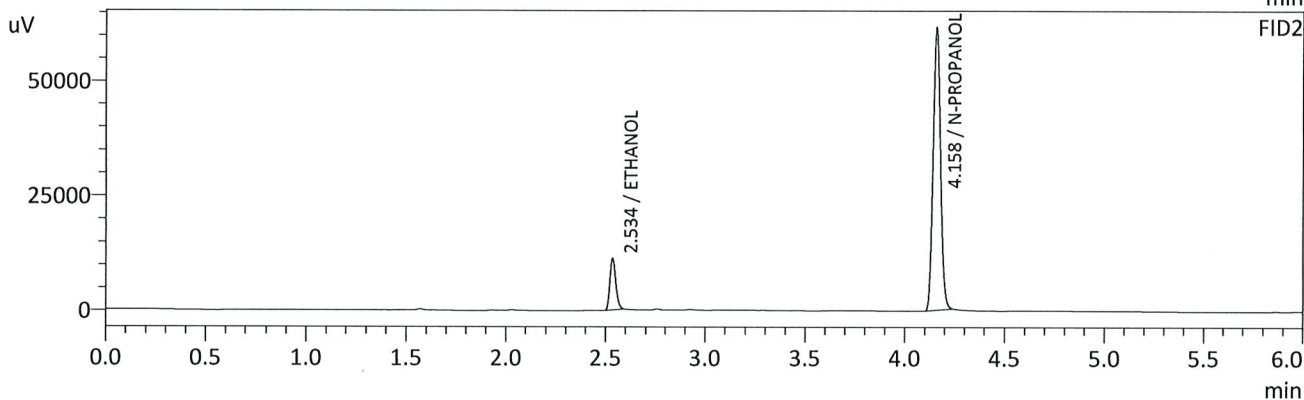
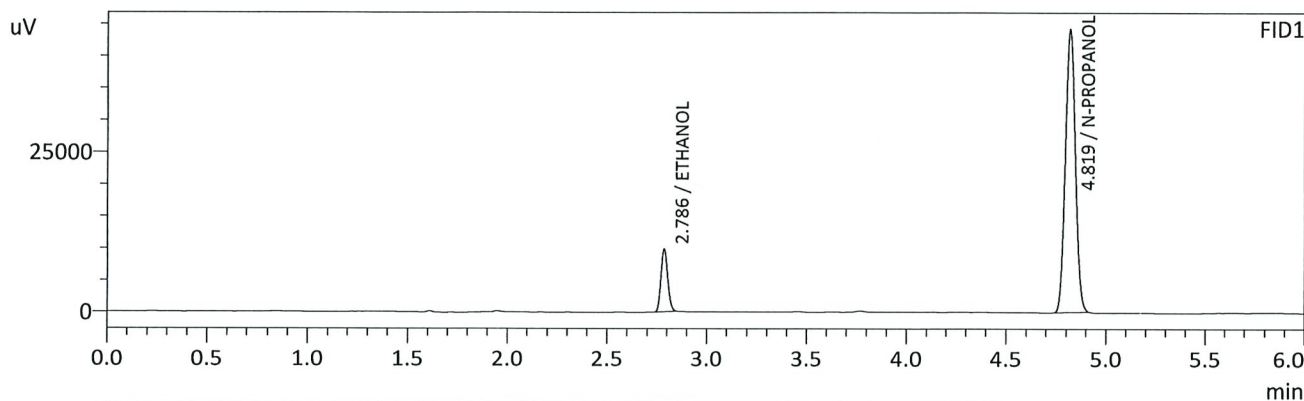
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result	
0.076	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC-1-1-A  
 Vial # : 9  
 Data Filename : QC-1-1-A\_452021\_009.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 2:54:38 PM  
 Date Processed : 4/6/2021 6:58:06 AM



FID1

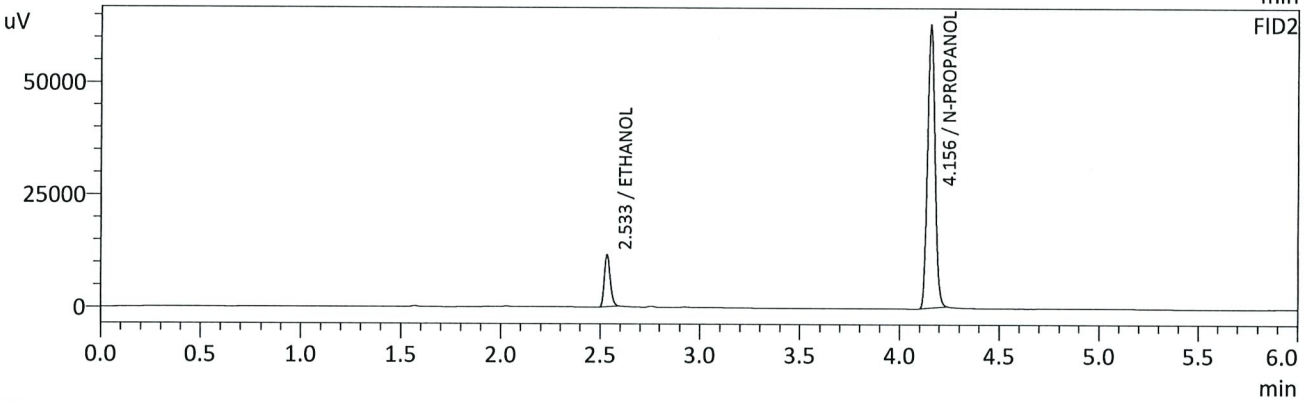
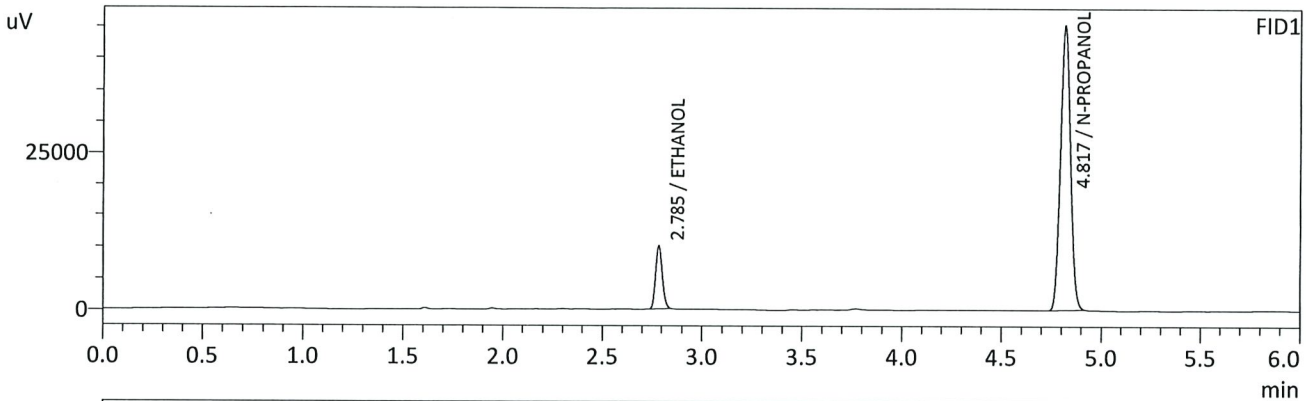
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	23172	9762
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155007	44202
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0768	g/100cc	22718	11095
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162302	61366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

13

Sample Name : QC-1-1-B  
 Vial # : 10  
 Data Filename : QC-1-1-B\_452021\_010.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 3:03:18 PM  
 Date Processed : 4/6/2021 6:58:08 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0768	g/100cc	23583	9981
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158125	45014
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	23177	11465
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165192	62838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 QA

Analysis Date(s): 04/05/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0825	0.0822	0.0003	0.0823	0.0001	0.0823
(g/100cc)	0.0825	0.0823	0.0002	0.0824		

**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

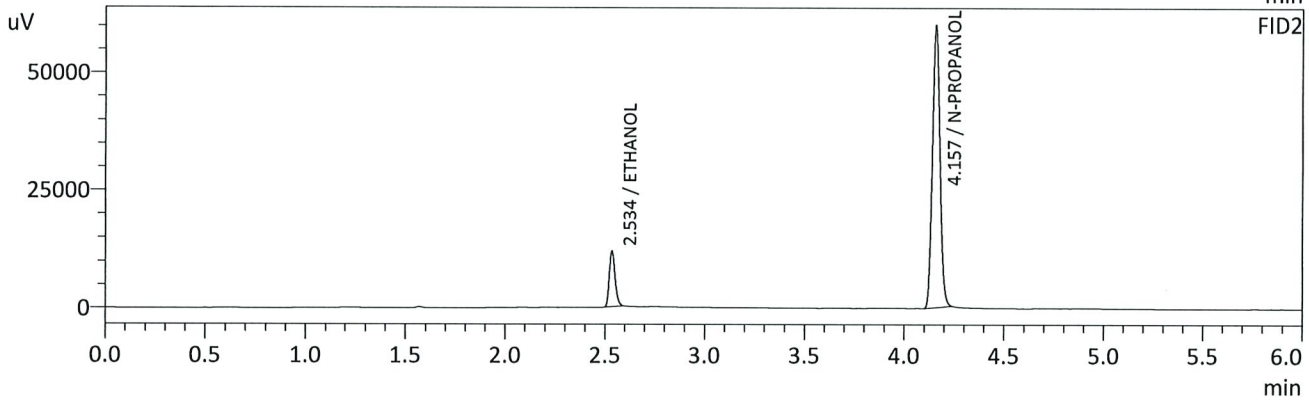
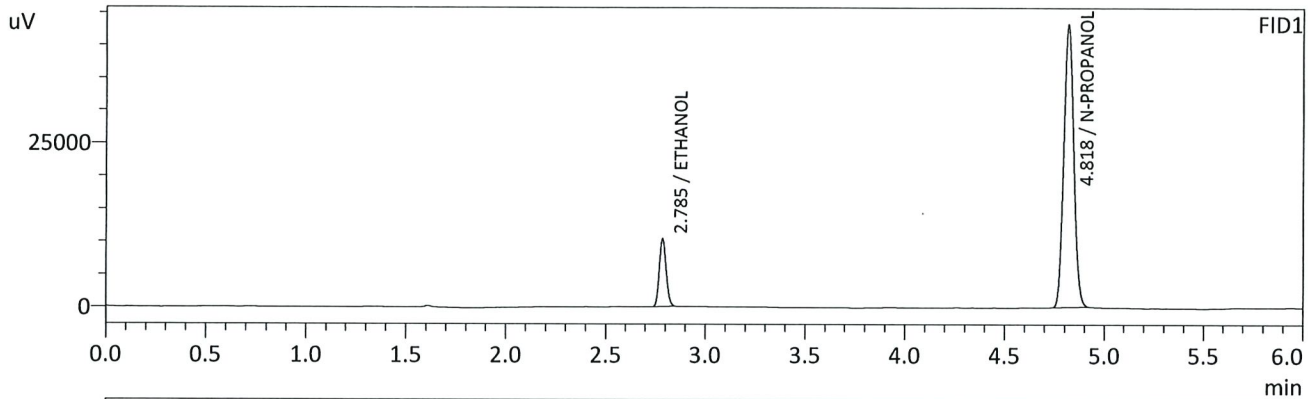
Reported Result	
0.082	

*Calibration and control data are stored centrally.*



B

Sample Name : 0.08 QA - A  
 Vial # : 11  
 Data Filename : 0.08 QA - A\_452021\_011.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 3:12:22 PM  
 Date Processed : 4/6/2021 6:58:09 AM



## FID1

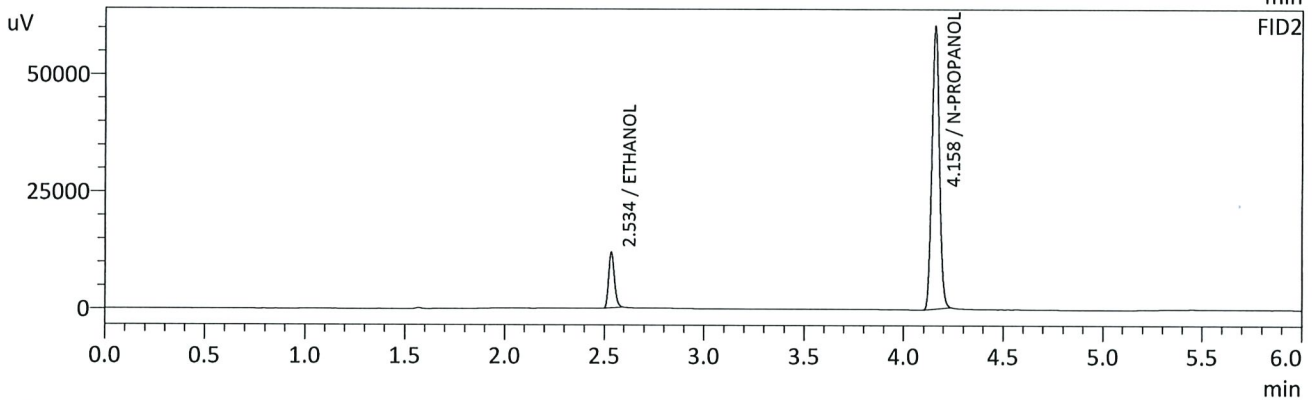
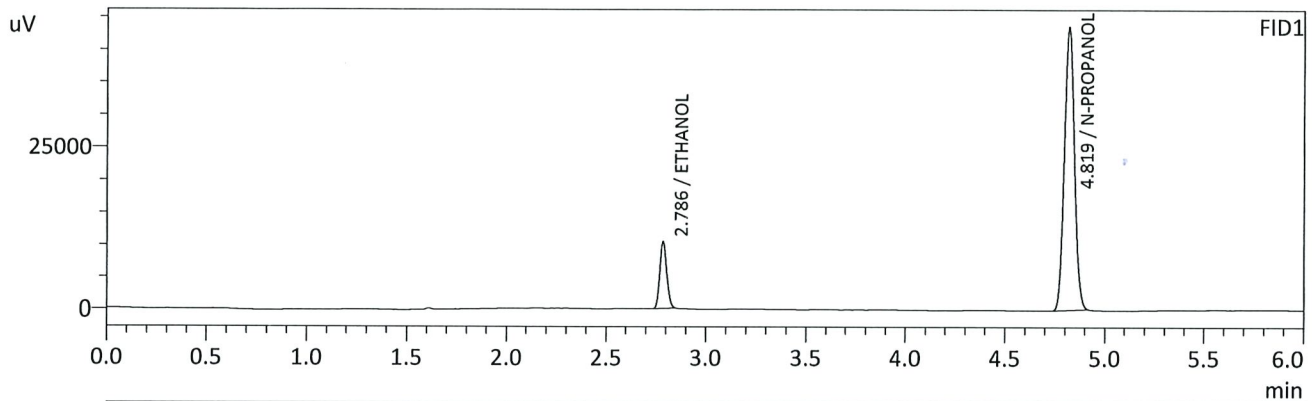
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	24372	10294
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151442	43157
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	23877	11712
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157887	59874
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.08 QA - B  
 Vial # : 12  
 Data Filename : 0.08 QA - B\_452021\_012.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 3:21:26 PM  
 Date Processed : 4/6/2021 6:58:11 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0825	g/100cc	24507	10359
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152253	43528
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	24055	11777
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158873	60078
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

13

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC2-1

Analysis Date(s): 04/05/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2123	0.0008	0.2127	0.0004	0.2129
(g/100cc)	0.2135	0.2128	0.0007	0.2131		

**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%

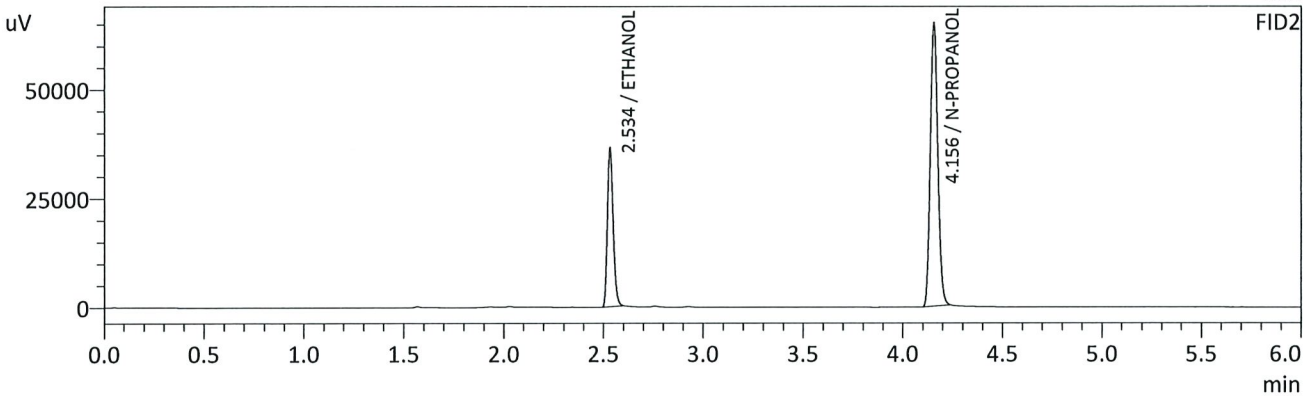
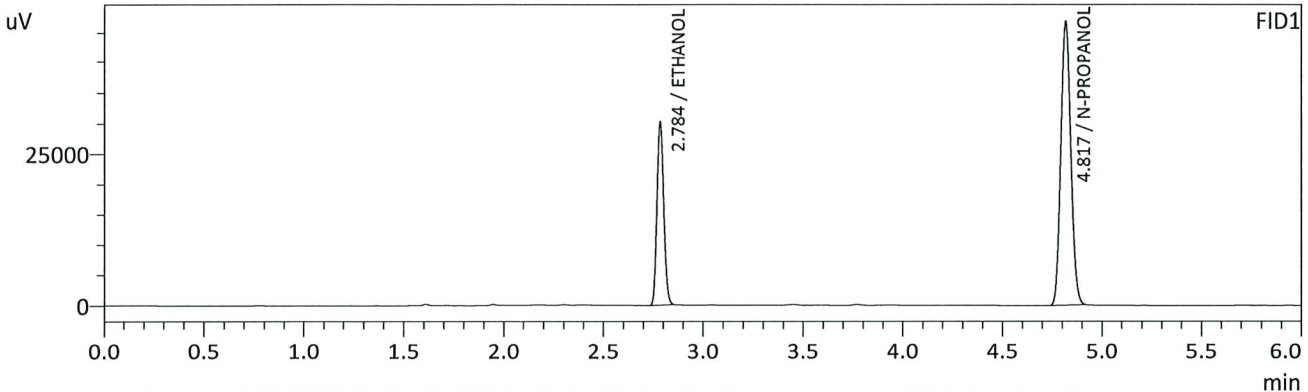
Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC-2-1-A  
 Vial # : 31  
 Data Filename : QC-2-1-A\_452021\_031.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 6:09:31 PM  
 Date Processed : 4/6/2021 6:58:41 AM



FID1

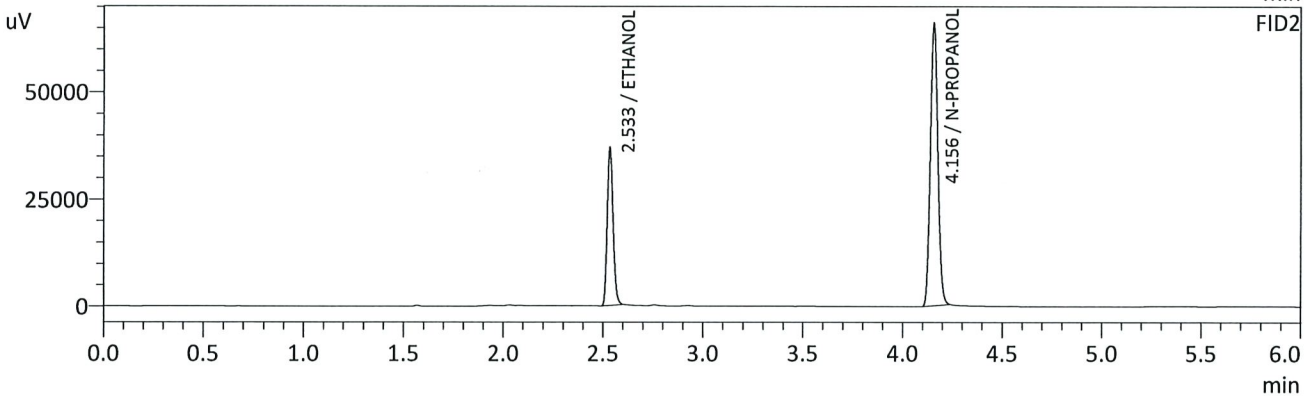
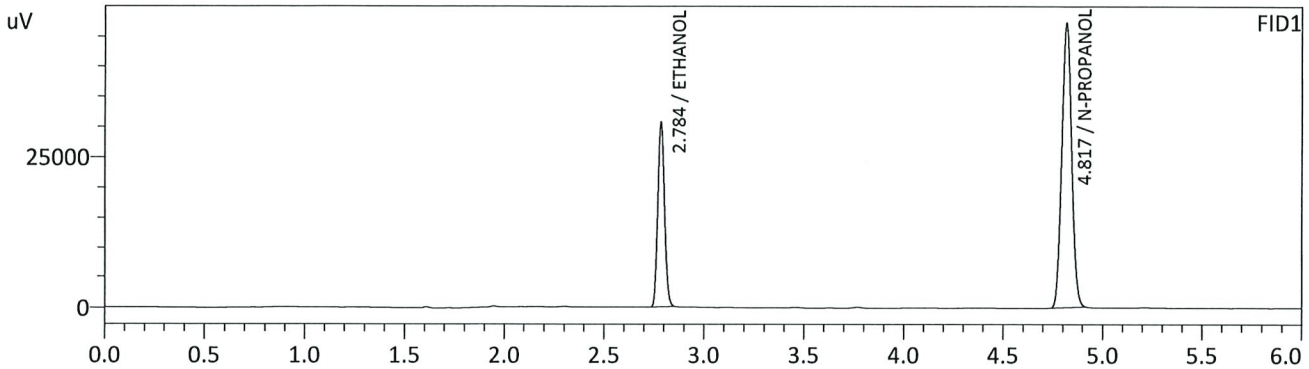
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	70648	30189
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163583	46654
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2123	g/100cc	72360	36114
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170748	65017
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC-2-1-B  
 Vial # : 32  
 Data Filename : QC-2-1-B\_452021\_032.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 6:18:17 PM  
 Date Processed : 4/6/2021 6:58:43 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2135	g/100cc	71541	30575
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165320	47105
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2128	g/100cc	73325	36651
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172570	65997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC 1-2

Analysis Date(s): 04/05/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0807	0.0808	0.0001	0.0807	0.0005	0.0804
(g/100cc)	0.0799	0.0805	0.0006	0.0802		

**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%

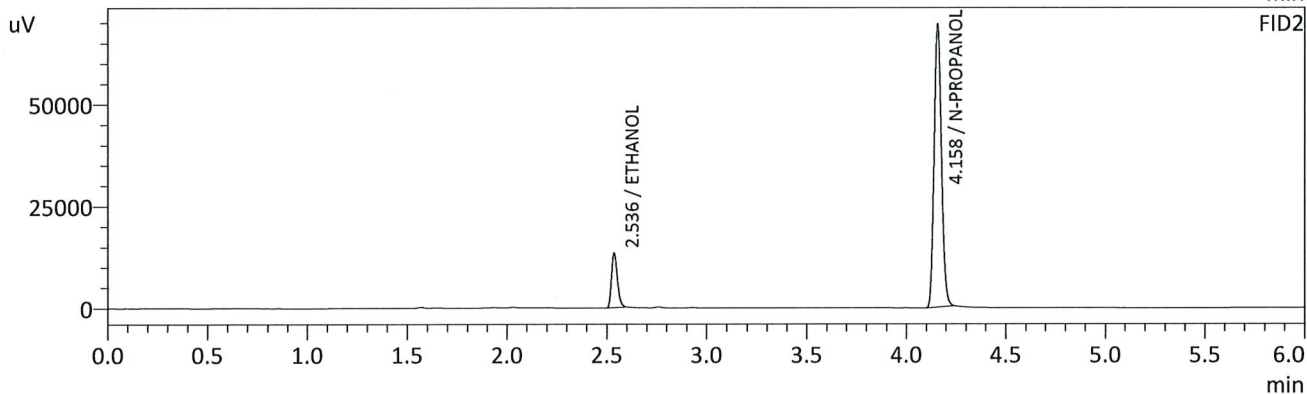
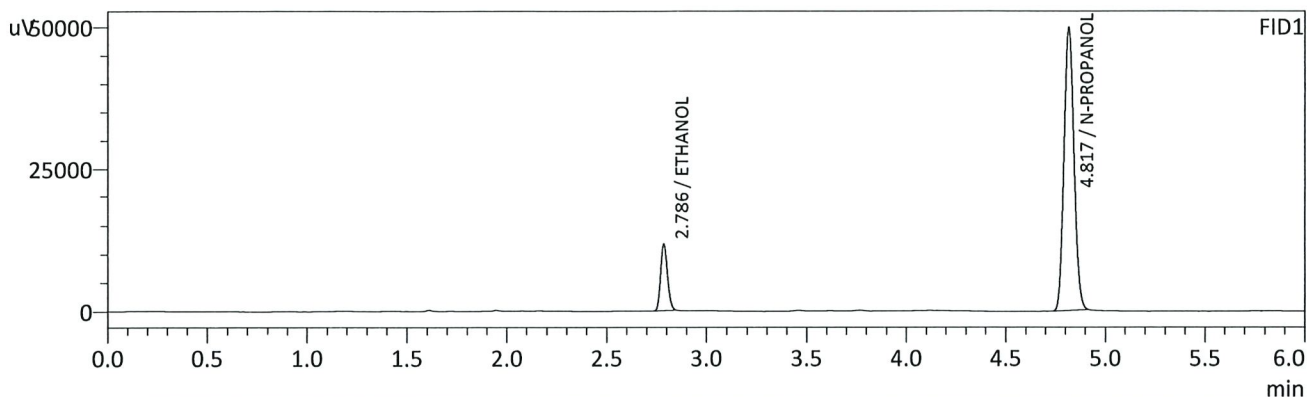
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result	
0.080	

*Calibration and control data are stored centrally.*

TS

Sample Name : QC1-2-A  
 Vial # : 53  
 Data Filename : QC1-2-A\_452021\_053.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 9:23:41 PM  
 Date Processed : 4/6/2021 6:59:17 AM



FID1

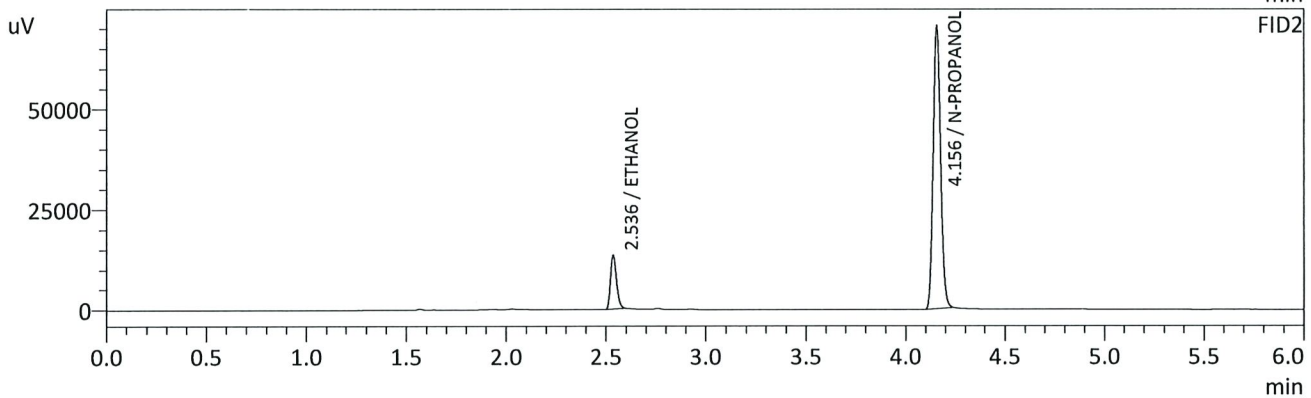
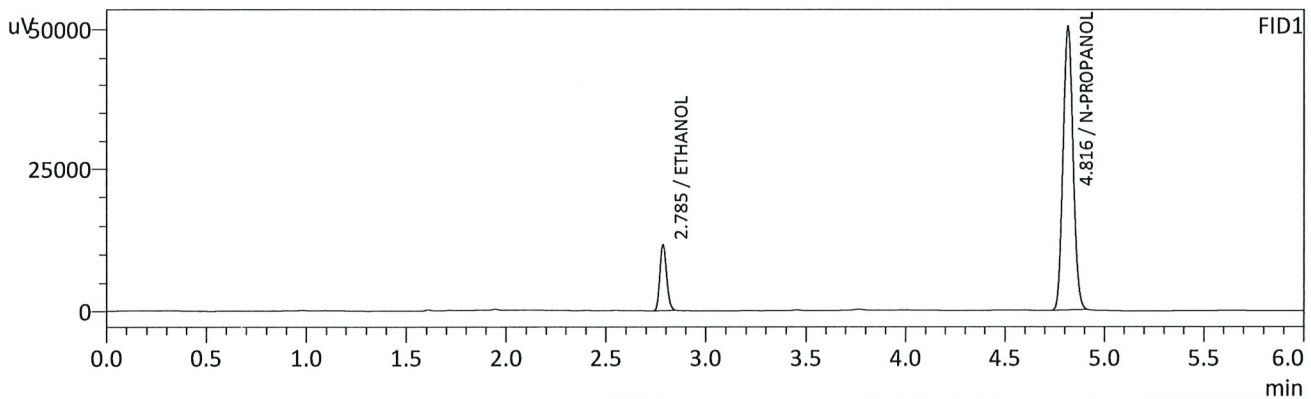
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	27343	11557
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173892	49665
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	26996	13408
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182026	69118
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B  
 Vial # : 54  
 Data Filename : QC1-2-B\_452021\_054.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 9:32:31 PM  
 Date Processed : 4/6/2021 6:59:18 AM



FID1

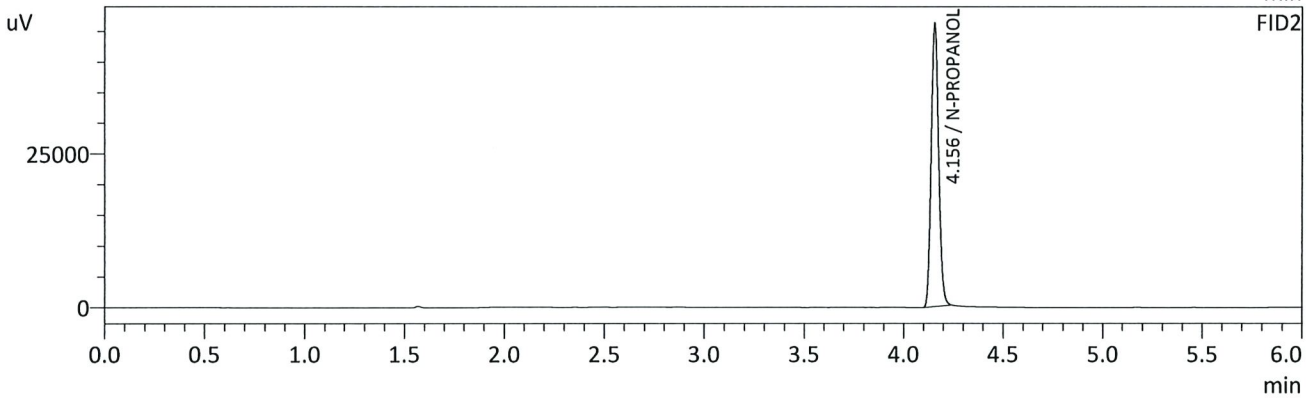
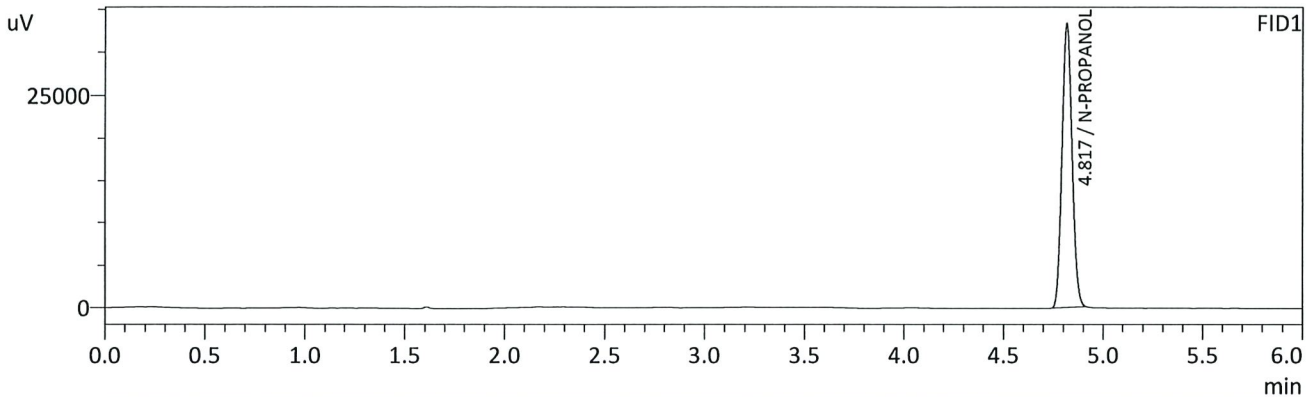
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0799	g/100cc	27384	11628
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175996	50252
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	27164	13445
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183876	70438
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3  
 Vial # : 55  
 Data Filename : INT STD BLK 3\_452021\_055.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 040521\_TS\_POST.gcb  
 Date Acquired : 4/5/2021 9:41:12 PM  
 Date Processed : 4/6/2021 6:59:20 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	116452	33154
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	121422	46149
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--



TS

# 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

Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_452021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_452021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_452021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_452021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_452021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_452021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_452021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_452021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_452021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_452021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_452021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_452021_012.gcd	0
13	P2021-0642-1-A	0:Unknown	ALCOHOL.gcm	P2021-0642-1-A_452021_013.gcd	0
14	P2021-0642-1-B	0:Unknown	ALCOHOL.gcm	P2021-0642-1-B_452021_014.gcd	0
15	P2021-0711-1-A	0:Unknown	ALCOHOL.gcm	P2021-0711-1-A_452021_015.gcd	0
16	P2021-0711-1-B	0:Unknown	ALCOHOL.gcm	P2021-0711-1-B_452021_016.gcd	0
17	P2021-0713-1-A	0:Unknown	ALCOHOL.gcm	P2021-0713-1-A_452021_017.gcd	0
18	P2021-0713-1-B	0:Unknown	ALCOHOL.gcm	P2021-0713-1-B_452021_018.gcd	0
19	P2021-0713-2-A	0:Unknown	ALCOHOL.gcm	P2021-0713-2-A_452021_019.gcd	0
20	P2021-0713-2-B	0:Unknown	ALCOHOL.gcm	P2021-0713-2-B_452021_020.gcd	0
21	P2021-0713-3-A	0:Unknown	ALCOHOL.gcm	P2021-0713-3-A_452021_021.gcd	0
22	P2021-0713-3-B	0:Unknown	ALCOHOL.gcm	P2021-0713-3-B_452021_022.gcd	0
23	P2021-0743-1-A	0:Unknown	ALCOHOL.gcm	P2021-0743-1-A_452021_023.gcd	0
24	P2021-0743-1-B	0:Unknown	ALCOHOL.gcm	P2021-0743-1-B_452021_024.gcd	0
25	P2021-0844-1-A	0:Unknown	ALCOHOL.gcm	P2021-0844-1-A_452021_025.gcd	0
26	P2021-0844-1-B	0:Unknown	ALCOHOL.gcm	P2021-0844-1-B_452021_026.gcd	0
27	P2021-0845-1-A	0:Unknown	ALCOHOL.gcm	P2021-0845-1-A_452021_027.gcd	0
28	P2021-0845-1-B	0:Unknown	ALCOHOL.gcm	P2021-0845-1-B_452021_028.gcd	0
29	P2021-0847-1-A	0:Unknown	ALCOHOL.gcm	P2021-0847-1-A_452021_029.gcd	0
30	P2021-0847-1-B	0:Unknown	ALCOHOL.gcm	P2021-0847-1-B_452021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_452021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_452021_032.gcd	0
33	P2021-0848-1-A	0:Unknown	ALCOHOL.gcm	P2021-0848-1-A_452021_033.gcd	0
34	P2021-0848-1-B	0:Unknown	ALCOHOL.gcm	P2021-0848-1-B_452021_034.gcd	0
35	P2021-0849-1-A	0:Unknown	ALCOHOL.gcm	P2021-0849-1-A_452021_035.gcd	0
36	P2021-0849-1-B	0:Unknown	ALCOHOL.gcm	P2021-0849-1-B_452021_036.gcd	0
37	P2021-0863-1-A	0:Unknown	ALCOHOL.gcm	P2021-0863-1-A_452021_037.gcd	0
38	P2021-0863-1-B	0:Unknown	ALCOHOL.gcm	P2021-0863-1-B_452021_038.gcd	0
39	P2021-0873-1-A	0:Unknown	ALCOHOL.gcm	P2021-0873-1-A_452021_039.gcd	0
40	P2021-0873-1-B	0:Unknown	ALCOHOL.gcm	P2021-0873-1-B_452021_040.gcd	0
41	P2021-0905-1-A	0:Unknown	ALCOHOL.gcm	P2021-0905-1-A_452021_041.gcd	0
42	P2021-0905-1-B	0:Unknown	ALCOHOL.gcm	P2021-0905-1-B_452021_042.gcd	0
43	P2021-0907-1-A	0:Unknown	ALCOHOL.gcm	P2021-0907-1-A_452021_043.gcd	0
44	P2021-0907-1-B	0:Unknown	ALCOHOL.gcm	P2021-0907-1-B_452021_044.gcd	0
45	P2021-0908-1-A	0:Unknown	ALCOHOL.gcm	P2021-0908-1-A_452021_045.gcd	0
46	P2021-0908-1-B	0:Unknown	ALCOHOL.gcm	P2021-0908-1-B_452021_046.gcd	0
47	P2021-0947-1-A	0:Unknown	ALCOHOL.gcm	P2021-0947-1-A_452021_047.gcd	0
48	P2021-0947-1-B	0:Unknown	ALCOHOL.gcm	P2021-0947-1-B_452021_048.gcd	0
49	P2021-0968-1-A	0:Unknown	ALCOHOL.gcm	P2021-0968-1-A_452021_049.gcd	0
50	P2021-0968-1-B	0:Unknown	ALCOHOL.gcm	P2021-0968-1-B_452021_050.gcd	0
51	P2021-0969-1-A	0:Unknown	ALCOHOL.gcm	P2021-0969-1-A_452021_051.gcd	0
52	P2021-0969-1-B	0:Unknown	ALCOHOL.gcm	P2021-0969-1-B_452021_052.gcd	0

B

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_452021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_452021_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_452021_055.gcd	0