

REVIEWED

By Stuart Jacobson at 2:17 pm, Apr 15, 2021

BS

4/13/2021

Worklist: 4902

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1131	2	BCK	Alcohol Analysis	
M2021-1347	1	BCK	Alcohol Analysis	
M2021-1363	1	BCK	Alcohol Analysis	
M2021-1364	1	BCK	Alcohol Analysis	
M2021-1365	1	BCK	Alcohol Analysis	
M2021-1366	1	BCK	Alcohol Analysis	
M2021-1367	1	BCK	Alcohol Analysis	
M2021-1374	1	BCK	Alcohol Analysis	
M2021-1398	1	BCK	Alcohol Analysis	
M2021-1444	3	BCK	Alcohol Analysis	
P2021-1027	1	BCK	Alcohol Analysis	
P2021-1028	1	BCK	Alcohol Analysis	
P2021-1030	1	BCK	Alcohol Analysis	
P2021-1088	1	BCK	Alcohol Analysis	
P2021-1089	1	BCK	Alcohol Analysis	
P2021-1091	1	BCK	Alcohol Analysis	
P2021-1095	1	BCK	Alcohol Analysis	
P2021-1096	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): 04/14/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0767 g/100cc 0.0773 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2114 g/100cc g/100cc
Multi-Component mixture:			Lot #	FN07101701	ok
Curve Fit:			Column 1	0.99984	Column2
					0.99972

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0517	0.0529	0.0012	0.0523
100	0.100	0.090 - 0.110	0.1002	0.0999	0.0003	0.1
200	0.200	0.180 - 0.220	0.1992	0.1982	0.001	0.1987
300	0.300	0.270 - 0.330	0.2966	0.2960	0.0006	0.2963
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5021	0.5027	0.0006	0.5024

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

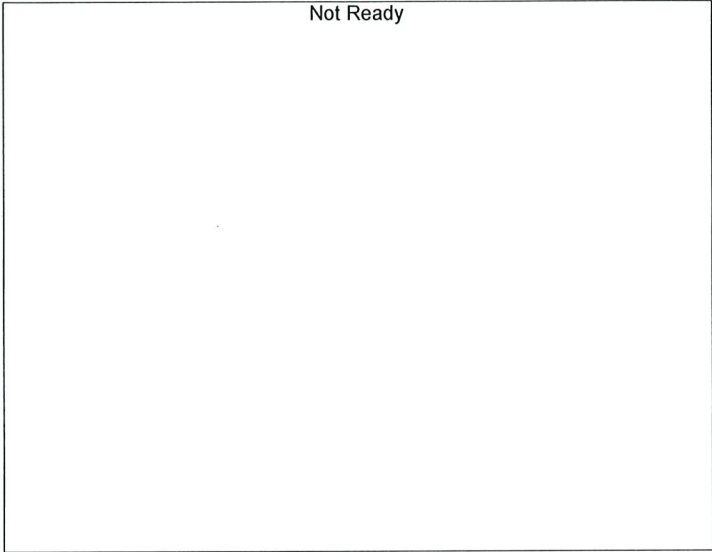
TS

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Calibration Table
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15

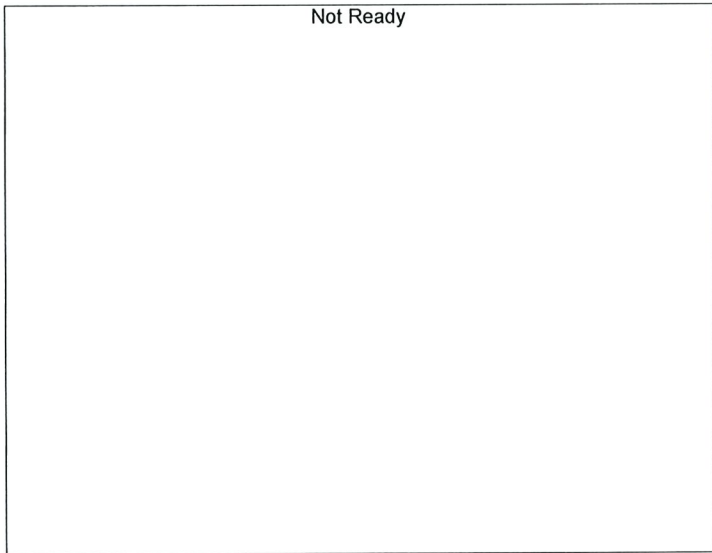
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2021\04-14-21 TS\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2021\04-14-21 TS\041421_TS_POST.gcb
Date Acquired :4/14/2021 10:25:50 AM
Date Created :4/14/2021 10:22:34 AM
Date Modified :4/15/2021 7:38:30 AM



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

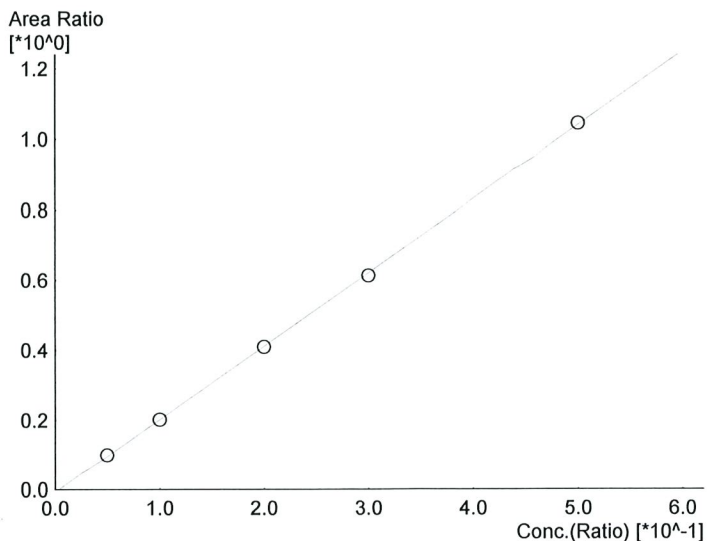
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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13



Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.09449*x-0.00797362$
 R² value= 0.9998470 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15012	0.0517
2	0.100	30726	0.1002
3	0.200	62103	0.1992
4	0.300	93268	0.2966
5	0.500	161519	0.5021



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

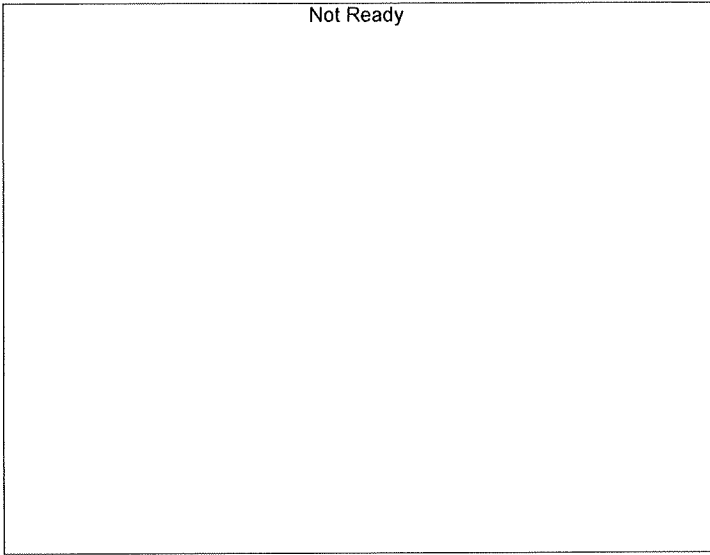
#	Conc.	Area	Std. Conc.
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

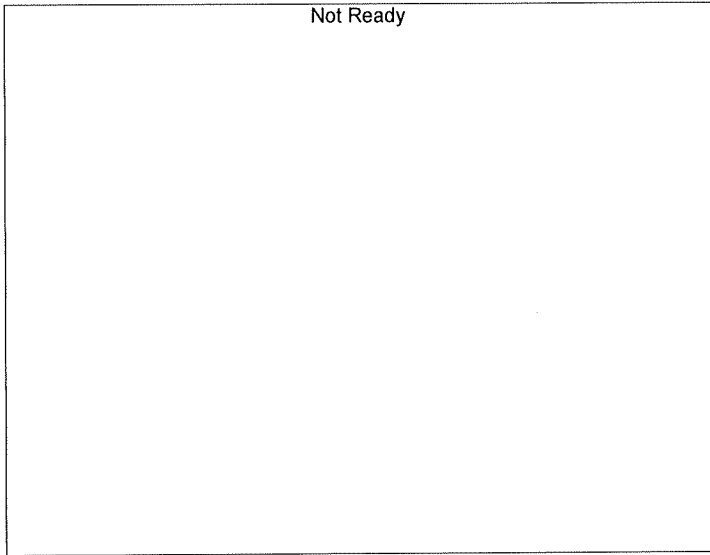
#	Conc.	Area	Std. Conc.
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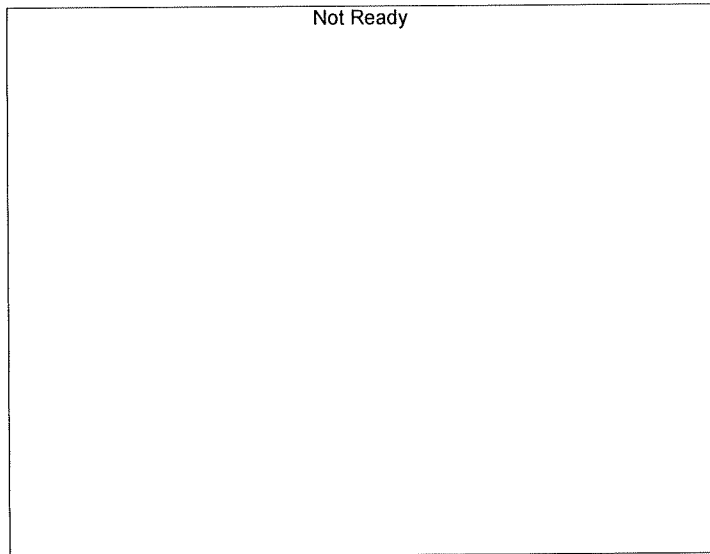
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

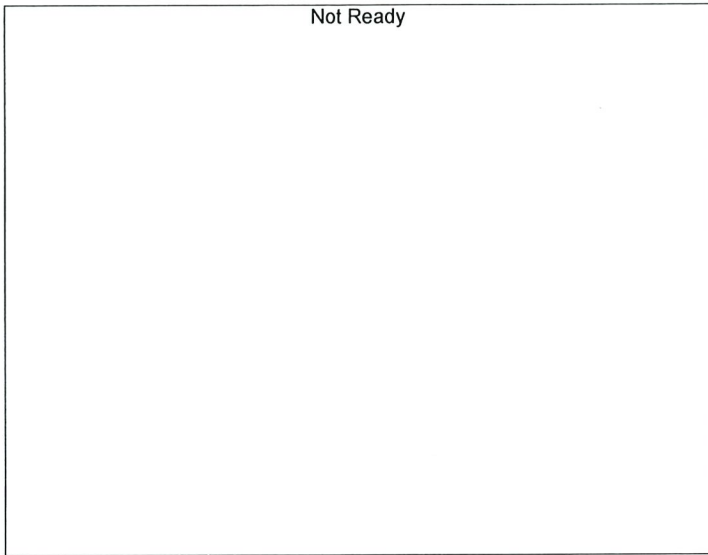
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

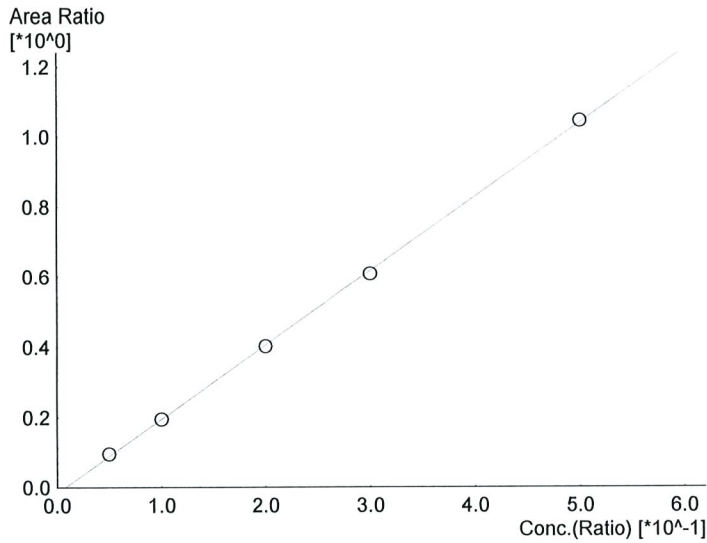
#	Conc.	Area	Std. Conc.
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TS



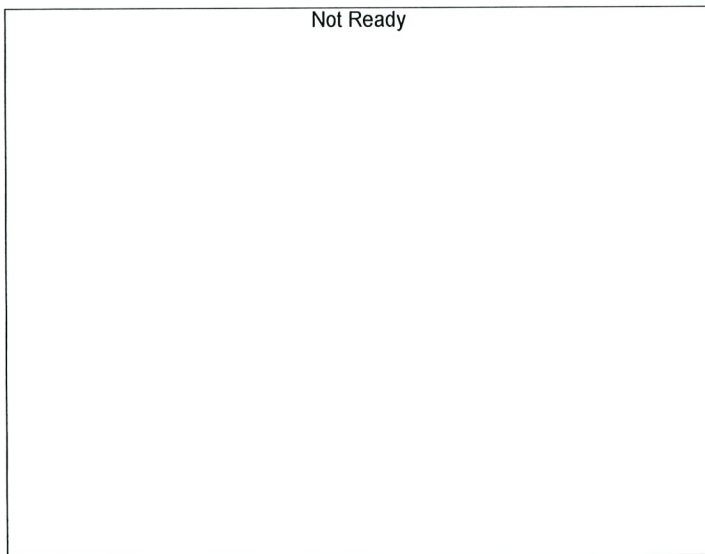
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.11417*x-0.0171713$
 R² value= 0.9997286 ✓
 FitType: Linear
 ZeroThrough: Not Through

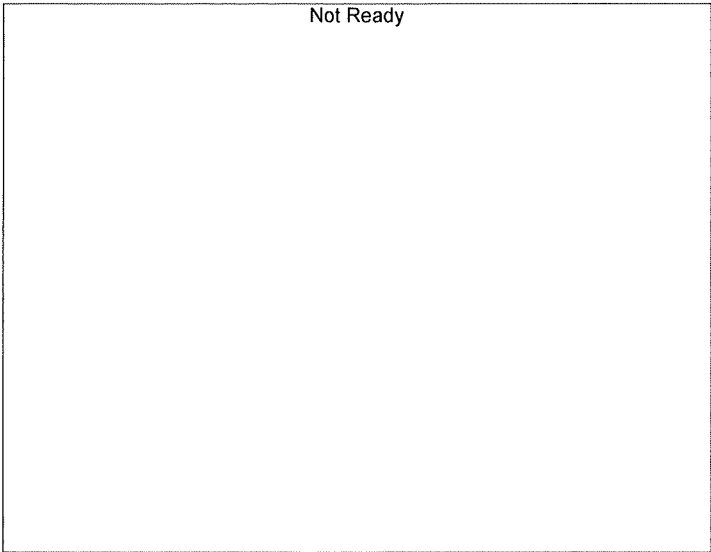
#	Conc.	Area	Std. Conc.
1	0.050	14870	0.0529
2	0.100	30984	0.0999
3	0.200	63819	0.1982
4	0.300	96762	0.2960
5	0.500	168823	0.5027



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

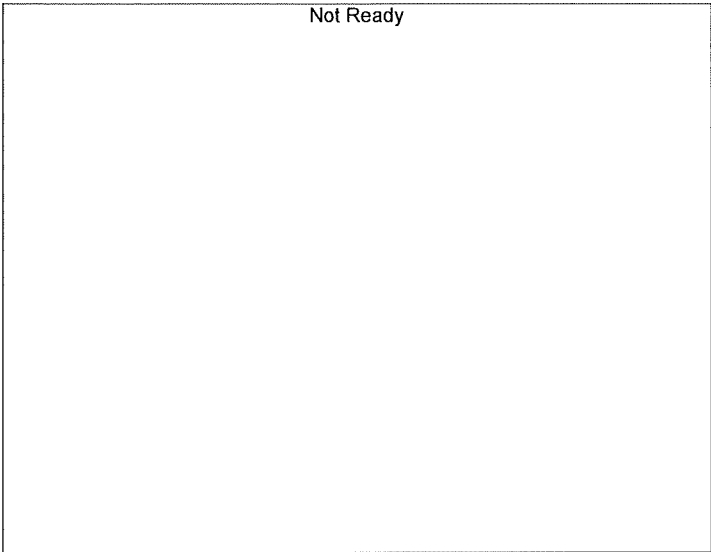
#	Conc.	Area	Std. Conc.
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TS



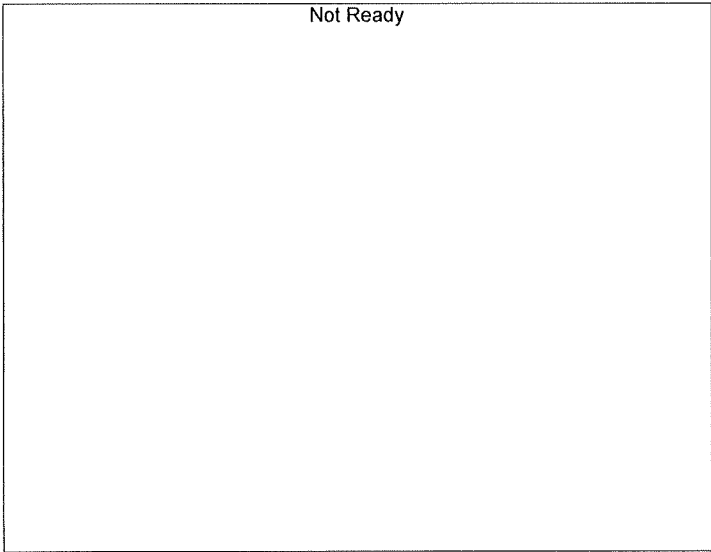
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : DFE
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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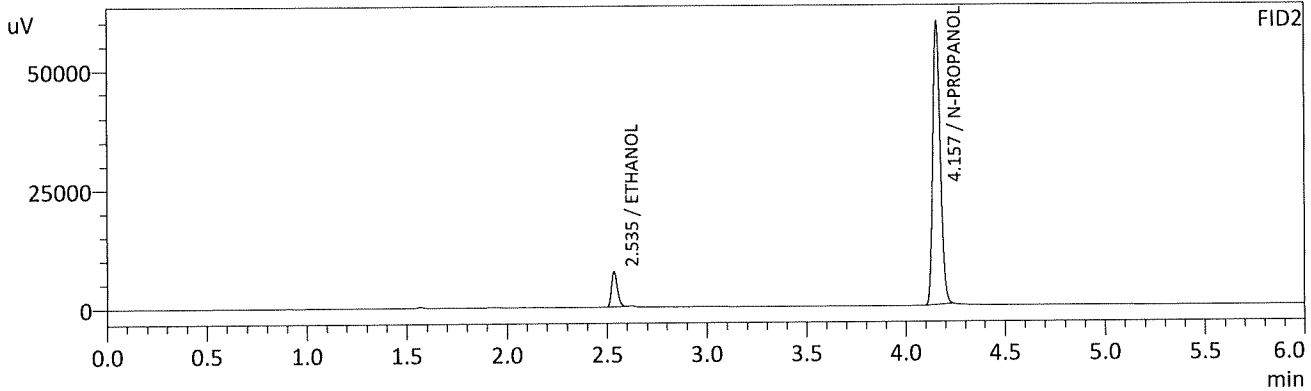
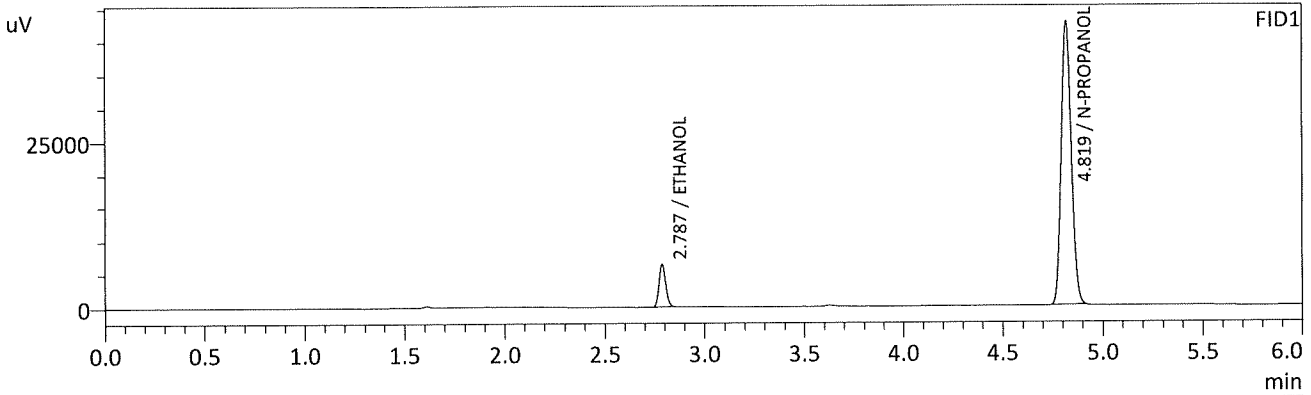


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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TS

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_4142021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 9:50:15 AM
 Date Processed : 4/15/2021 7:38:23 AM



FID1

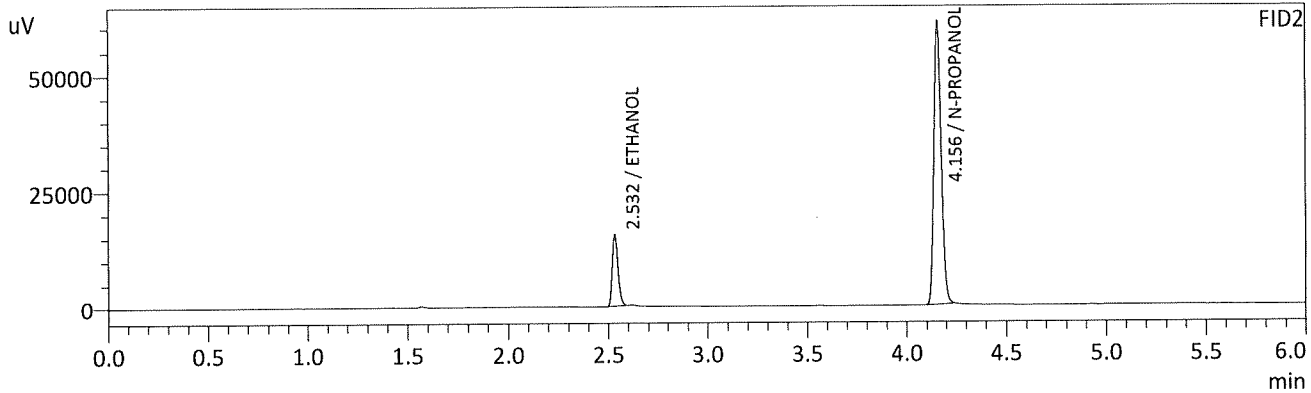
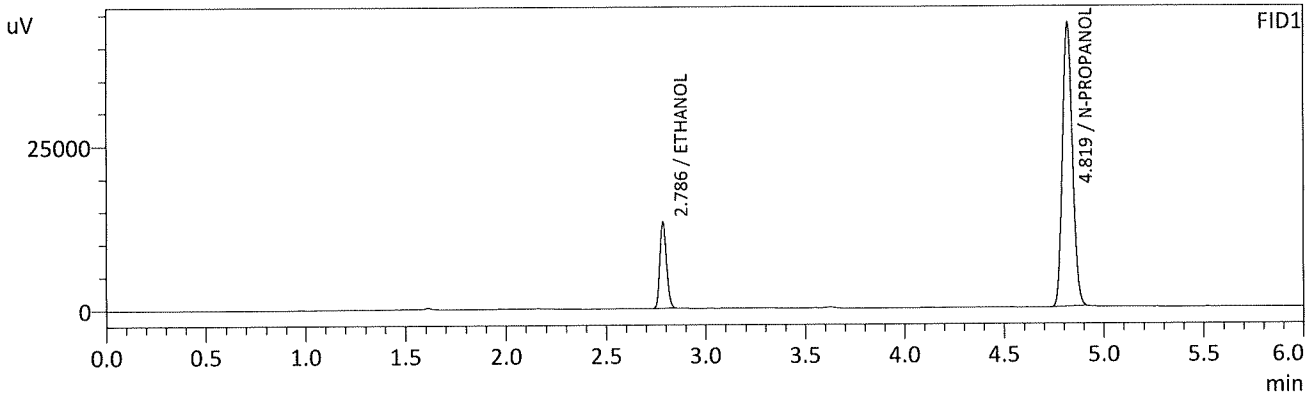
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	15012	6382
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	149414	42764
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0529	g/100cc	14870	7289
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156857	59512
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_4142021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 9:58:56 AM
 Date Processed : 4/15/2021 7:38:25 AM



FID1

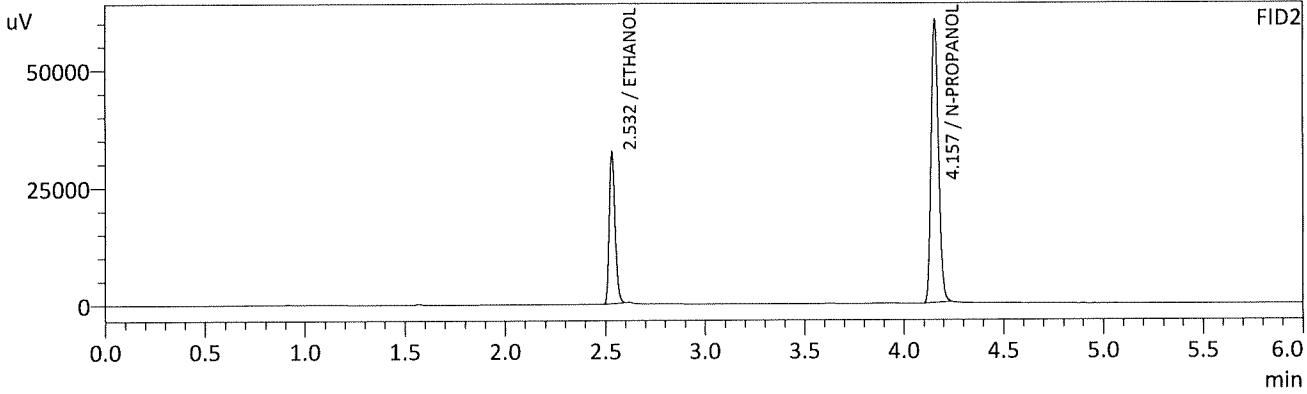
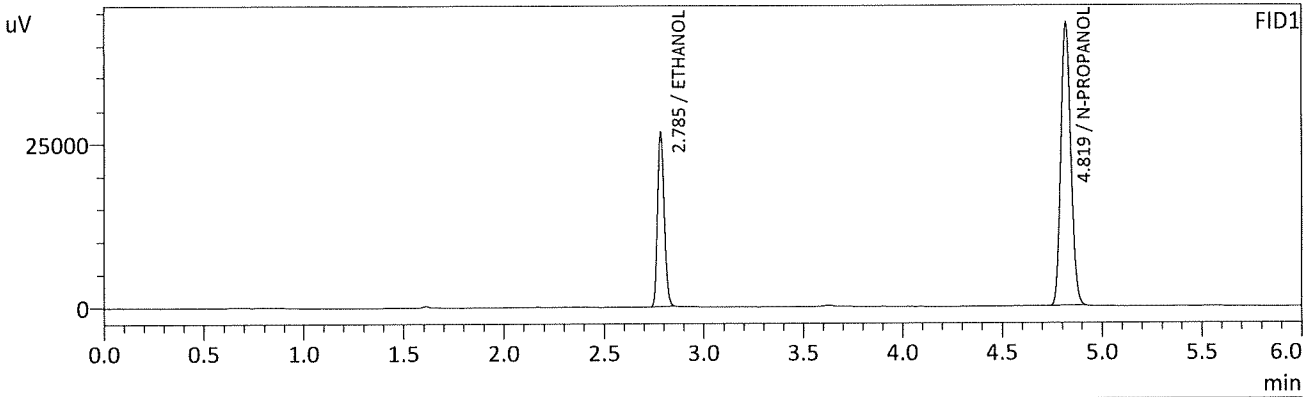
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	30726	13016
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152078	43388
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0999	g/100cc	30984	15485
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159627	60817
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_4142021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:07:55 AM
 Date Processed : 4/15/2021 7:38:27 AM



FID1

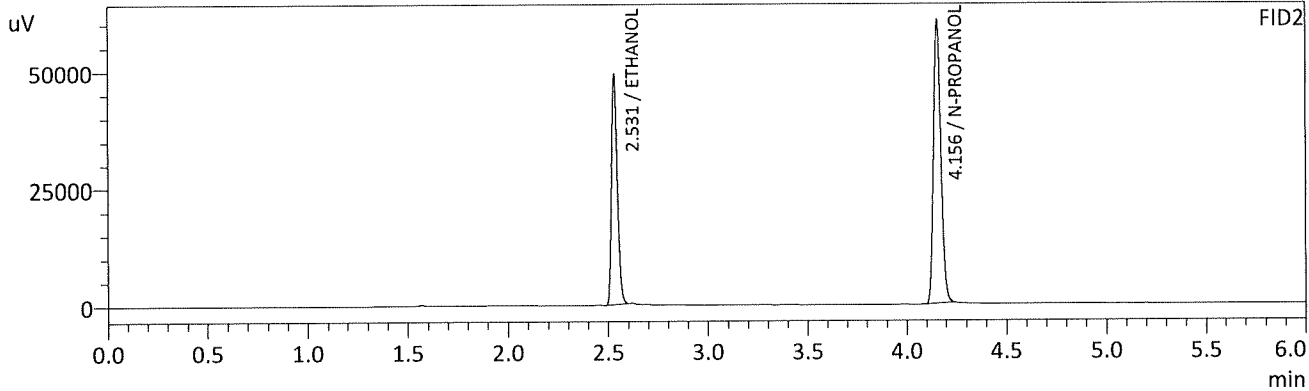
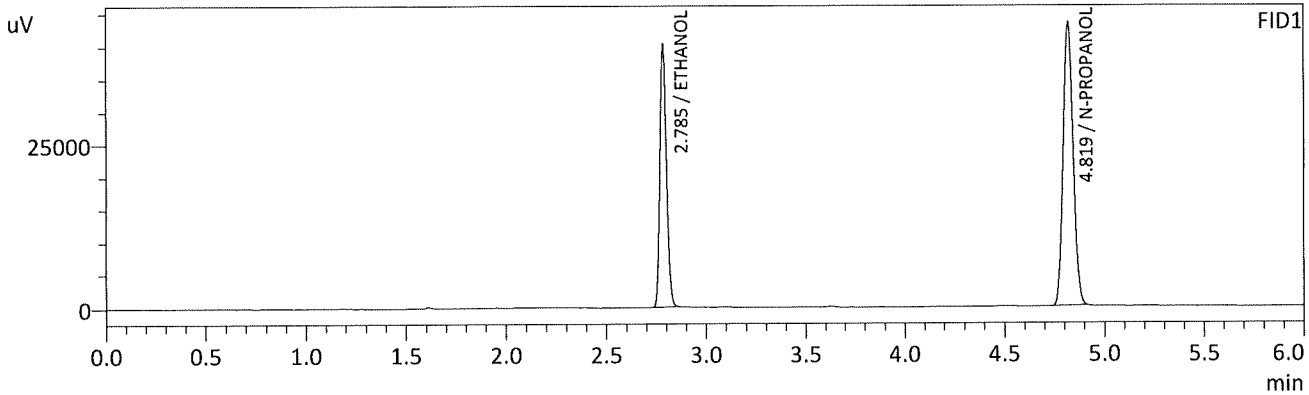
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	62103	26587
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151734	43353
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	63819	32173
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158760	60248
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_4142021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:16:26 AM
 Date Processed : 4/15/2021 7:38:28 AM



FID1

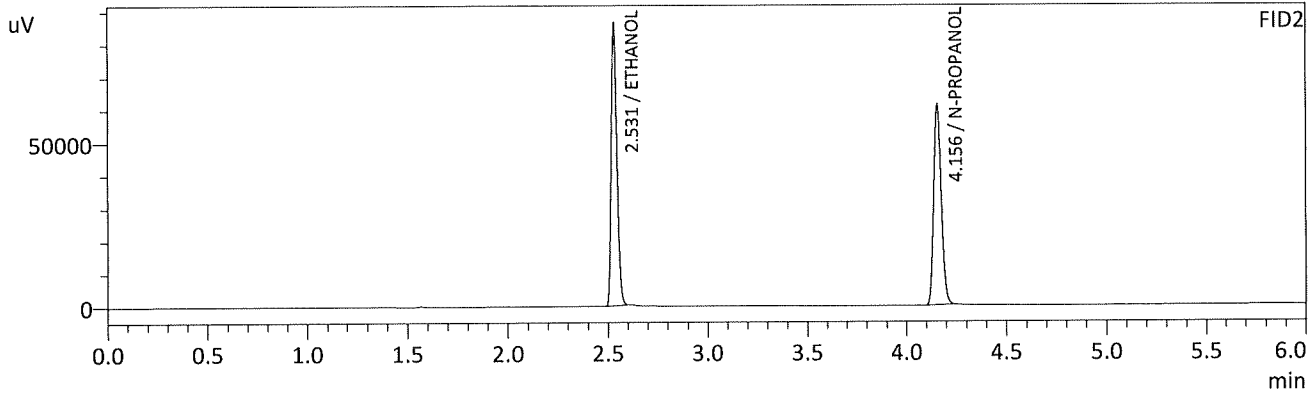
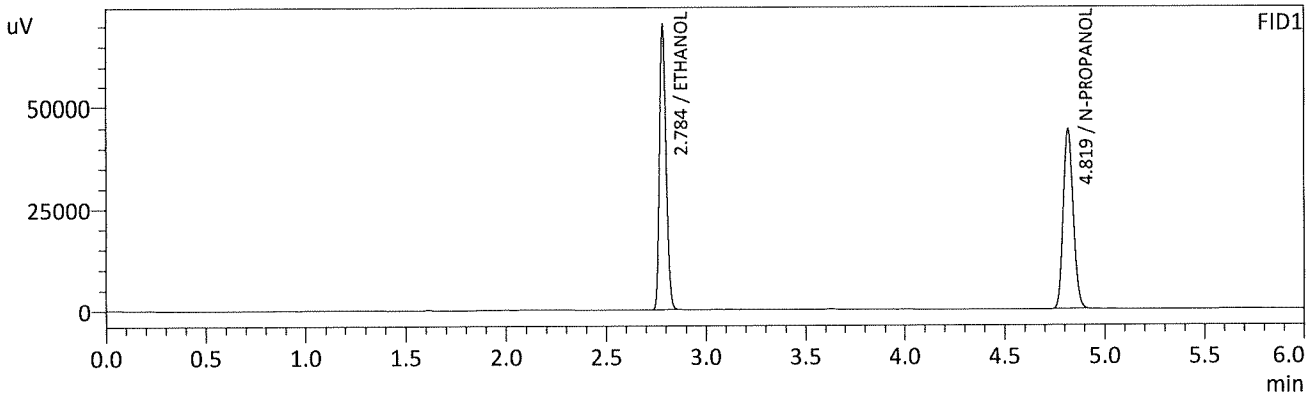
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2966	g/100cc	93268	40145
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152070	43392
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2960	g/100cc	96762	48884
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158937	60429
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_4142021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:25:50 AM
 Date Processed : 4/15/2021 7:38:30 AM



FID1

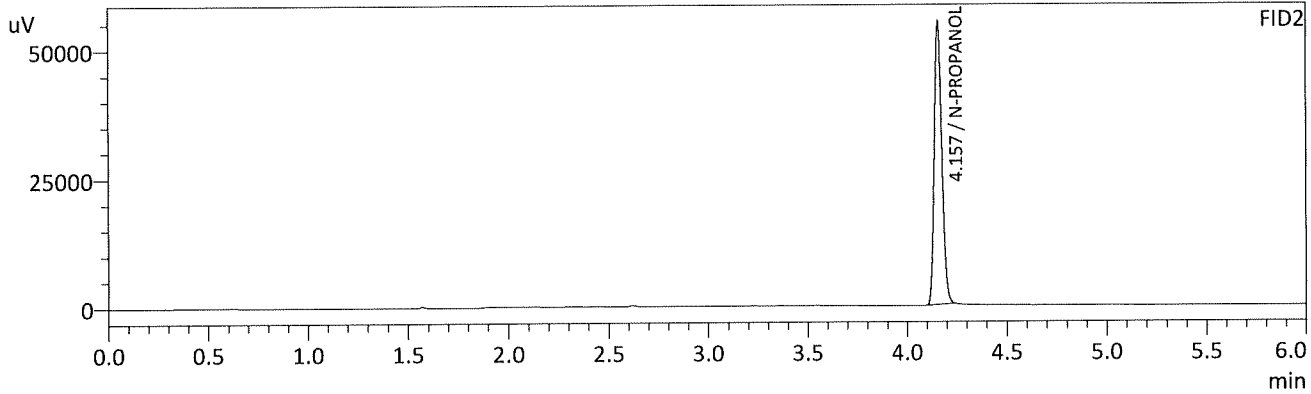
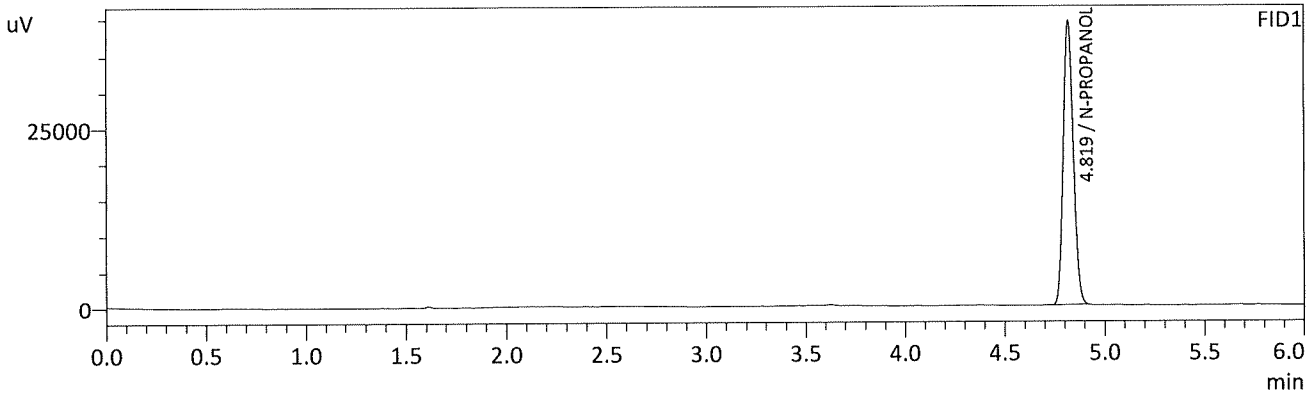
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5021	g/100cc	161519	69994
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	154760	44293
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5027	g/100cc	168823	85971
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161436	61366
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_4142021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:34:32 AM
 Date Processed : 4/15/2021 7:38:32 AM



FID1

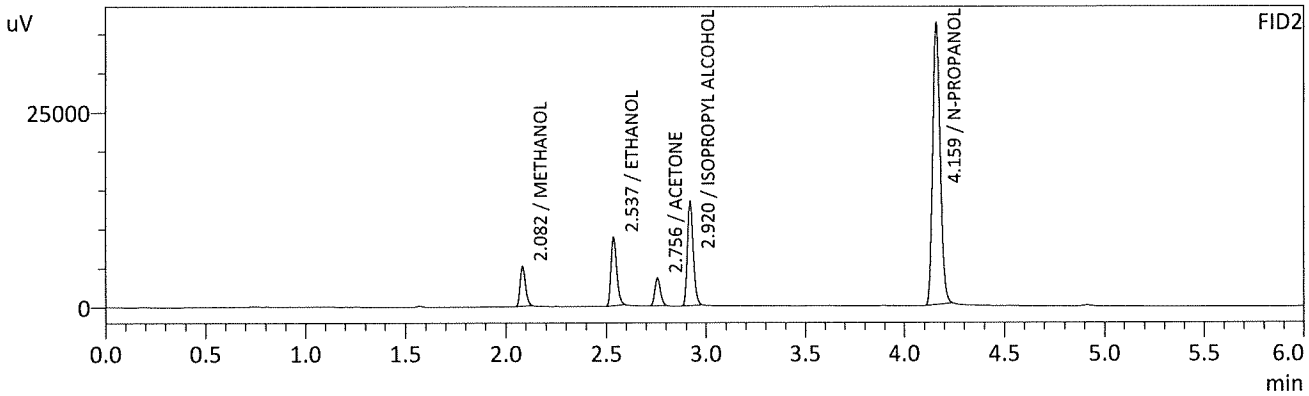
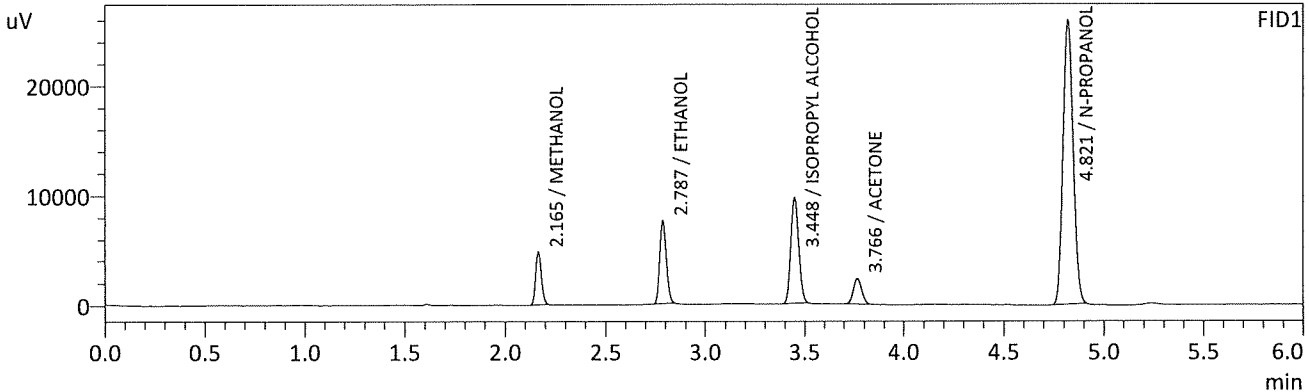
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	138293	39396
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	145083	55096
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_4142021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:43:33 AM
 Date Processed : 4/15/2021 7:40:29 AM



FID1

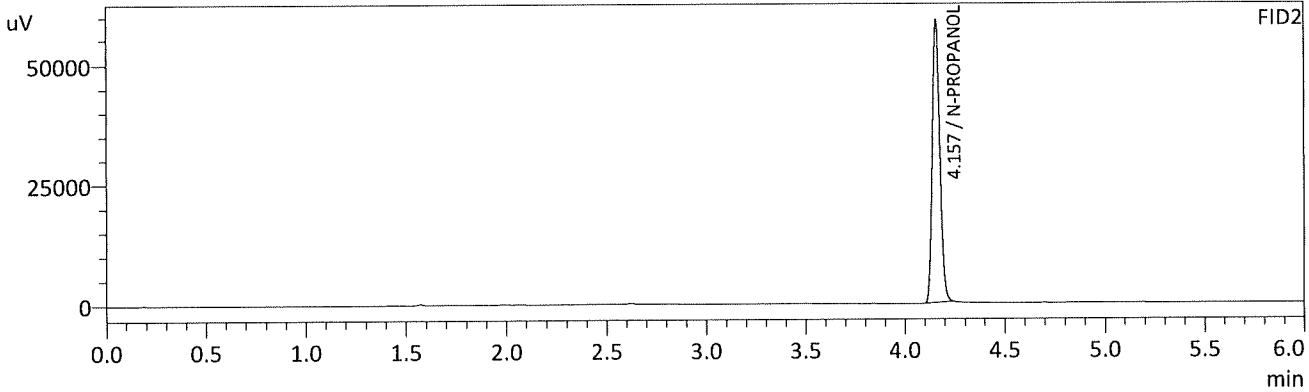
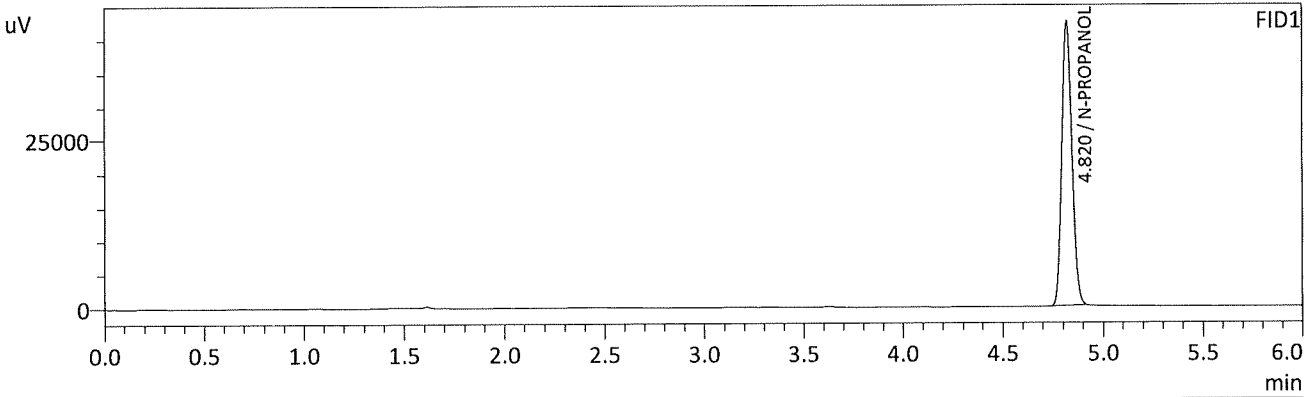
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	9582	4719
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0962	g/100cc	17407	7492
ISOPROPYL ALCOHOL	0.0000	g/100cc	26745	9580
ACETONE	0.0000	g/100cc	6691	2323
N-PROPANOL	0.0000	g/100cc	89945	25717
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	9486	5013
ETHANOL	0.0948	g/100cc	17299	8723
ACETONE	0.0000	g/100cc	7010	3528
ISOPROPYL ALCOHOL	0.0000	g/100cc	27805	13267
N-PROPANOL	0.0000	g/100cc	94358	35929
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_4142021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 10:52:18 AM
 Date Processed : 4/15/2021 7:38:35 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	148114	42351
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	155554	58894
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1

Analysis Date(s): 04/14/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0763	0.0762	0.0001	0.0762	0.0010	0.0767
(g/100cc)	0.0774	0.0771	0.0003	0.0772		

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%

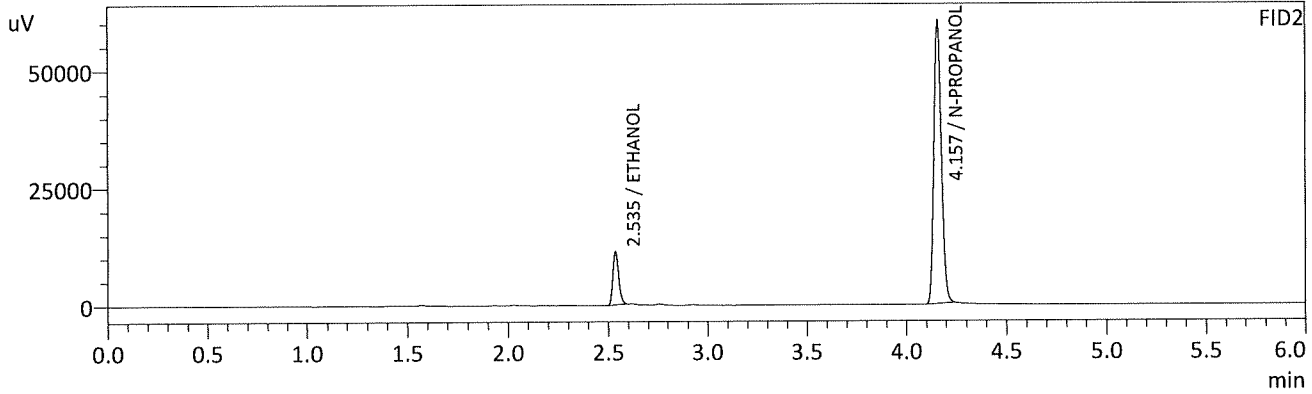
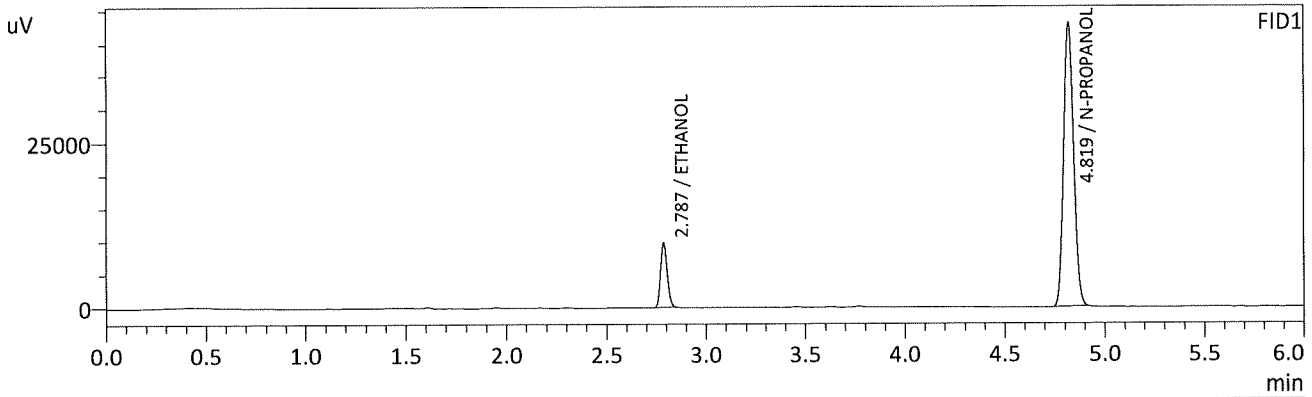
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

B

Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_4142021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 11:00:58 AM
 Date Processed : 4/15/2021 7:38:36 AM



FID1

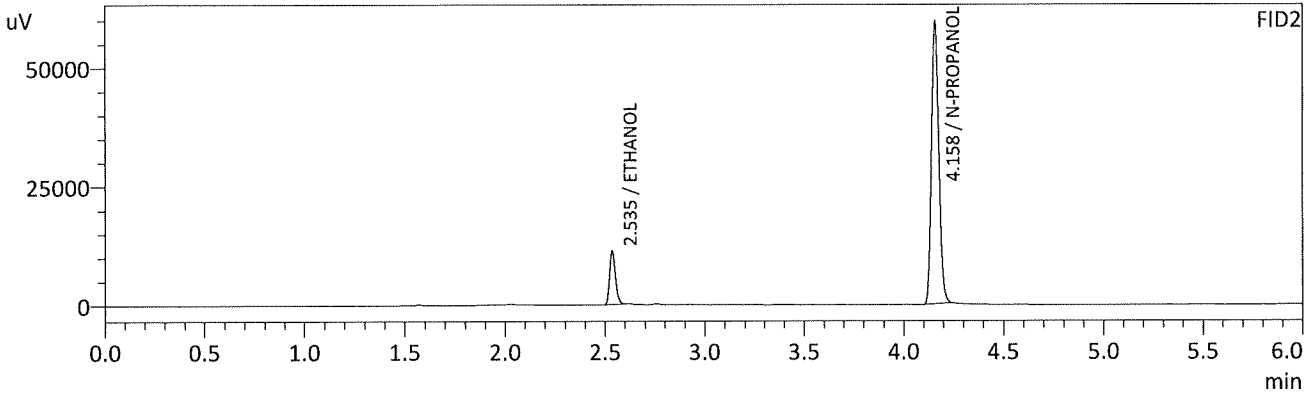
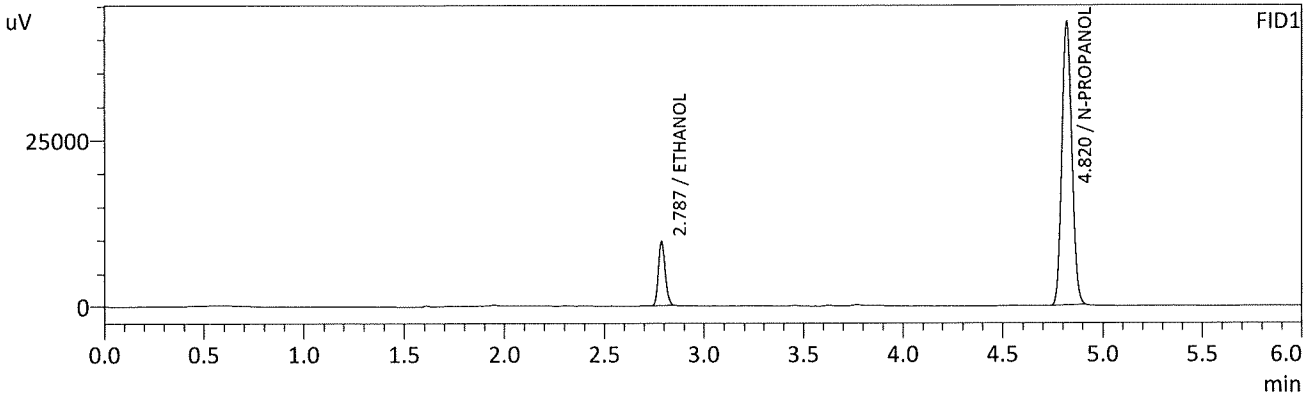
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0763	g/100cc	22922	9742
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150765	43041
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0762	g/100cc	22785	11301
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158240	60080
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_4142021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 11:09:29 AM
 Date Processed : 4/15/2021 7:38:37 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0774	g/100cc	22930	9718
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148753	42516
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0771	g/100cc	22839	11292
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156497	59200
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA

Analysis Date(s): 04/14/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0816	0.0812	0.0004	0.0814	0.0006	0.0817
(g/100cc)	0.0823	0.0818	0.0005	0.0820		

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%

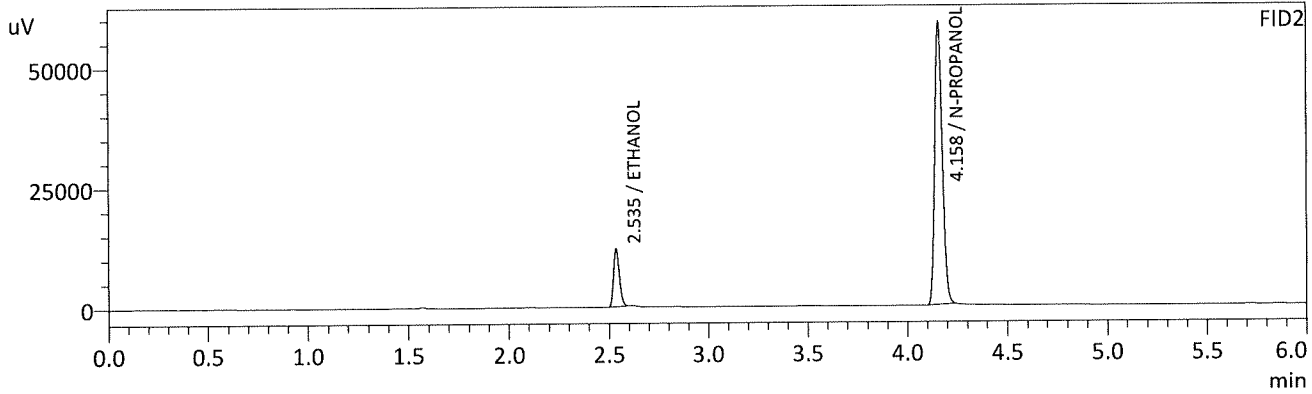
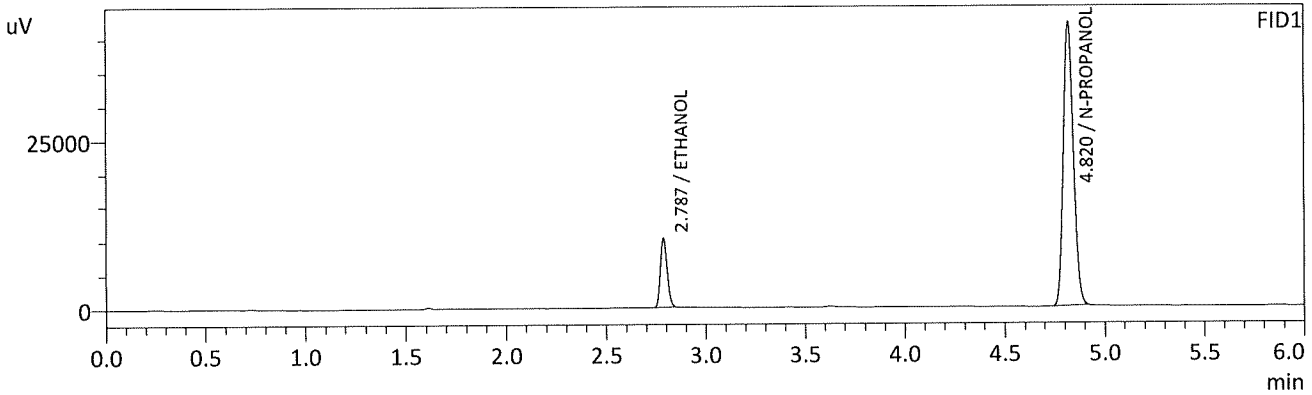
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

TS

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_4142021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 11:18:41 AM
 Date Processed : 4/15/2021 7:38:39 AM



FID1

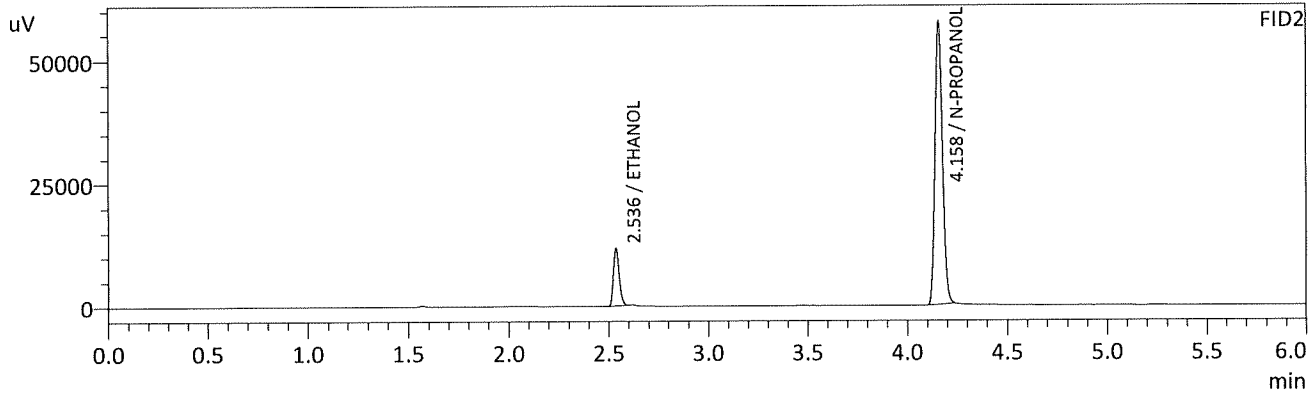
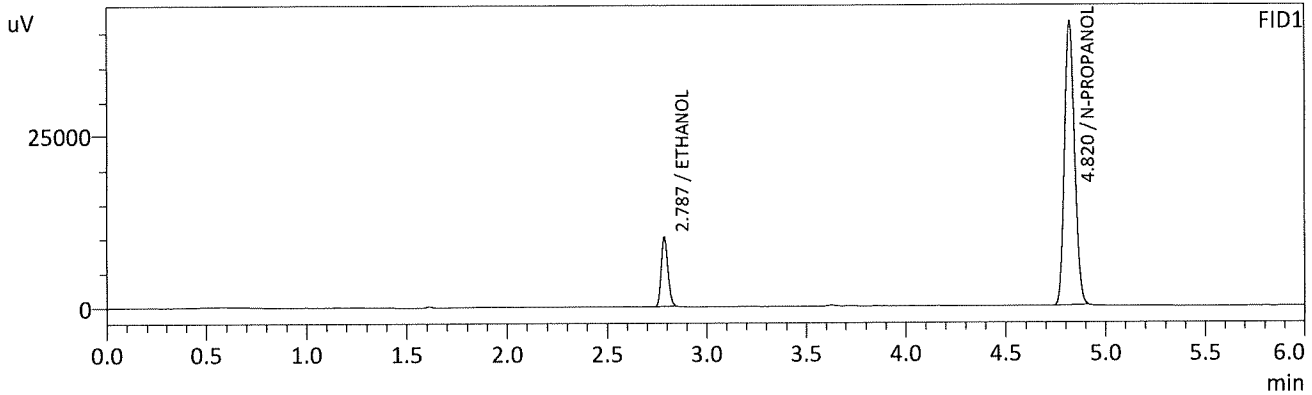
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	24117	10218
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	147936	42140
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	23986	11856
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155207	58601
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_4142021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 11:27:18 AM
 Date Processed : 4/15/2021 7:38:40 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0823	g/100cc	23764	10062
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	144401	41312
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	23571	11706
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151290	57137
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1

Analysis Date(s): 04/14/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2108	0.2088	0.0020	0.2098	0.0032	0.2114
(g/100cc)	0.2143	0.2117	0.0026	0.2130		

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%

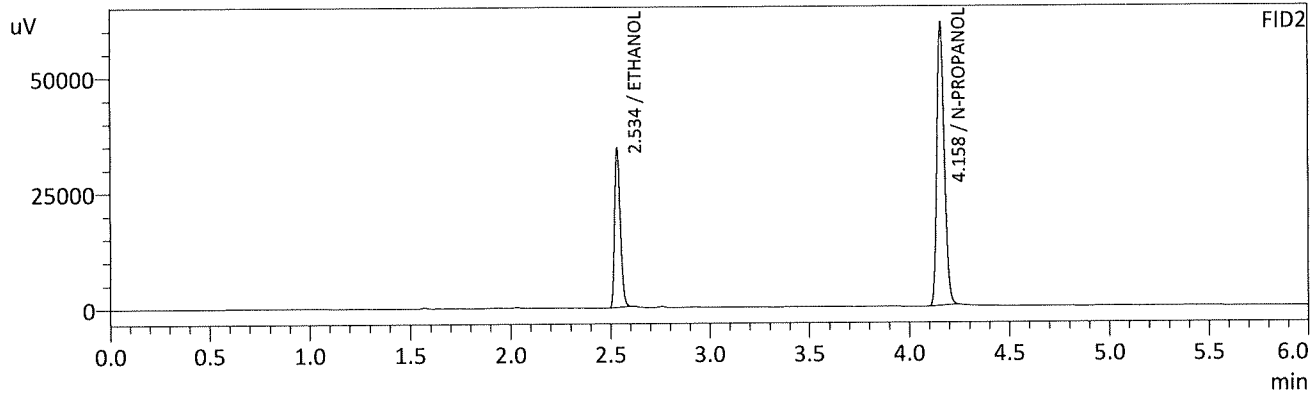
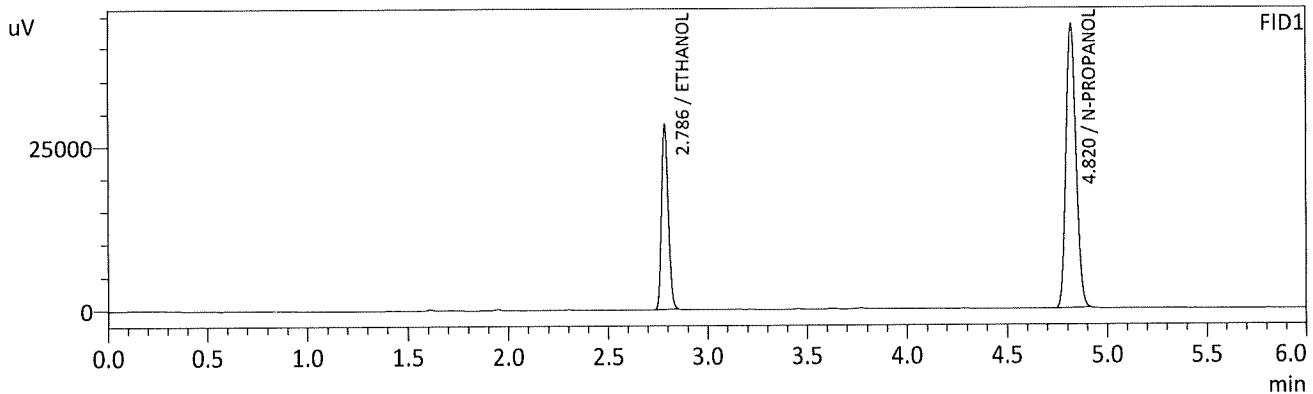
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

B

Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_4142021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 2:15:44 PM
 Date Processed : 4/15/2021 7:39:05 AM



FID1

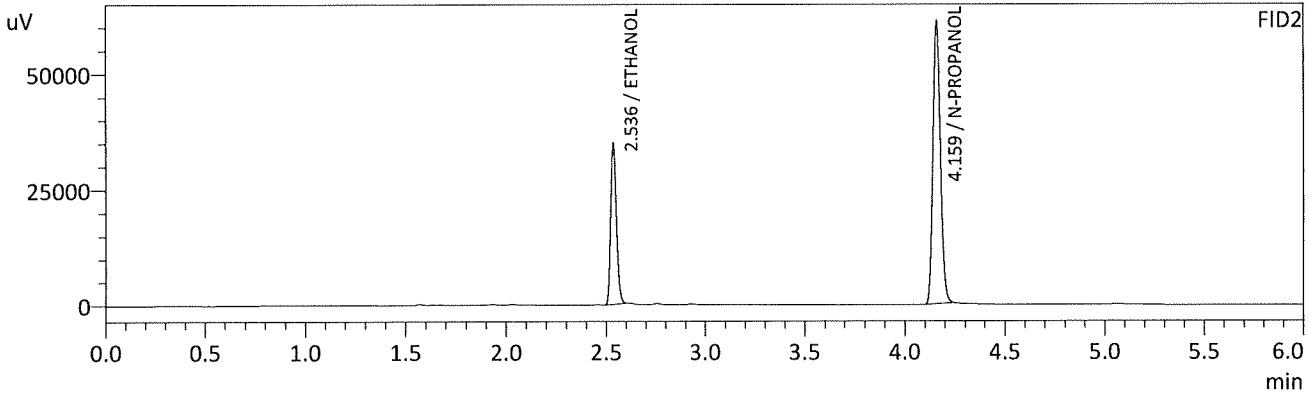
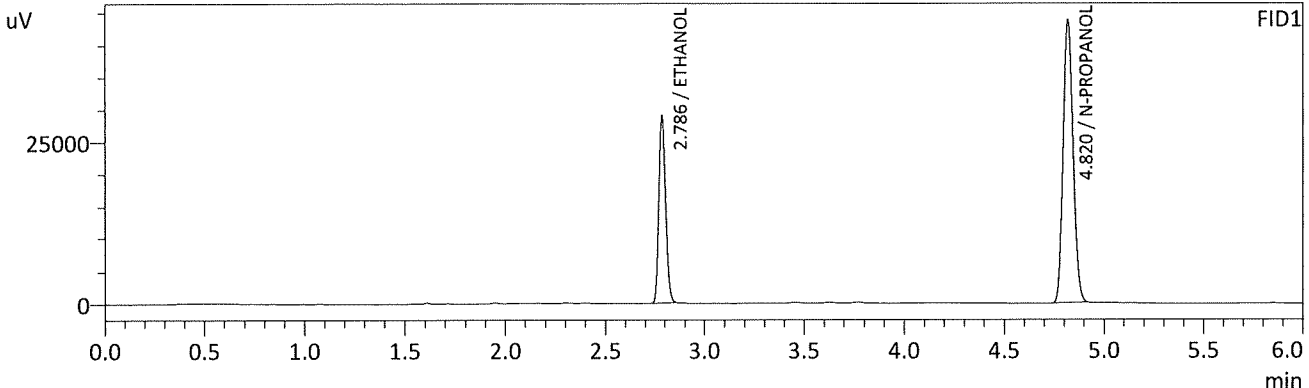
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2108	g/100cc	66223	28186
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152705	43561
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2088	g/100cc	68167	33833
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160659	60637
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_4142021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 2:24:39 PM
 Date Processed : 4/15/2021 7:39:06 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2143	g/100cc	67573	28622
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153202	43680
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	69084	34695
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160494	60845
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2

Analysis Date(s): 04/14/2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0770	0.0764	0.0006	0.0767	0.0013	0.0773
(g/100cc)	0.0782	0.0779	0.0003	0.0780		

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%

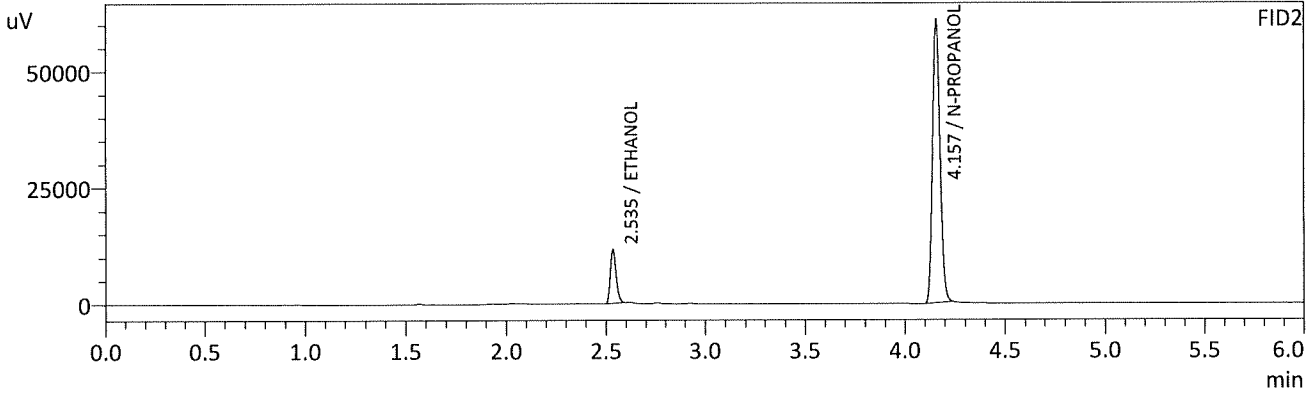
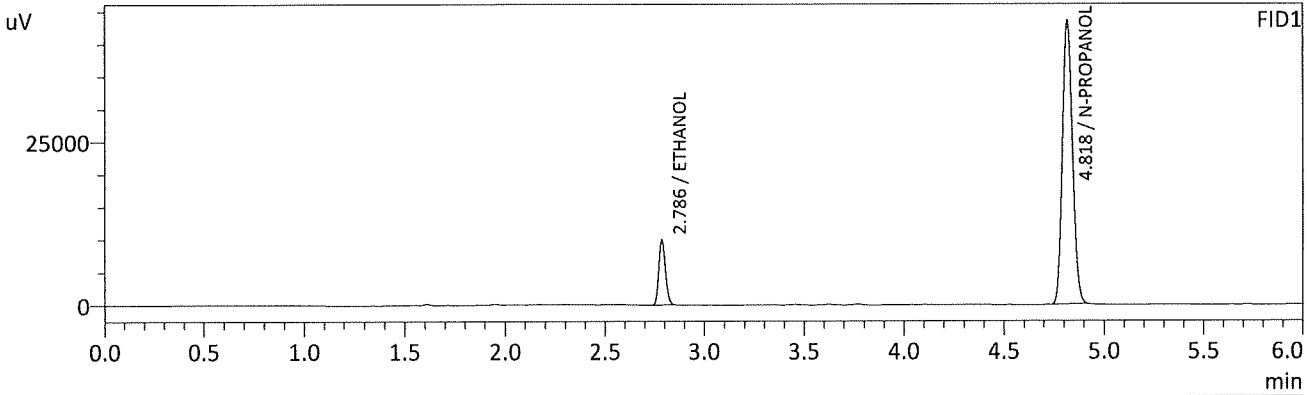
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result
	0.077

Calibration and control data are stored centrally.

TS

Sample Name : QC1-2-A
 Vial # : 51
 Data Filename : QC1-2-A_4142021_051.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 5:12:36 PM
 Date Processed : 4/15/2021 7:39:30 AM



FID1

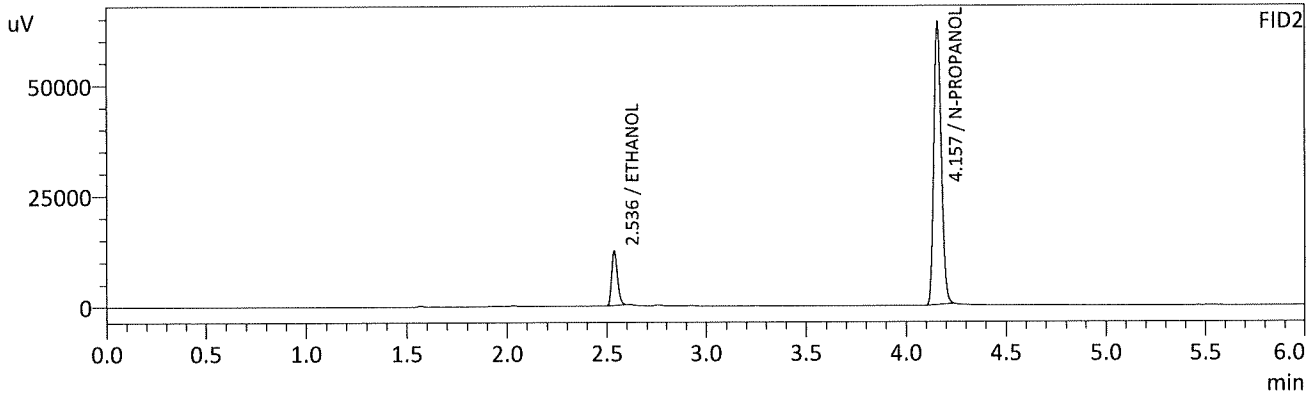
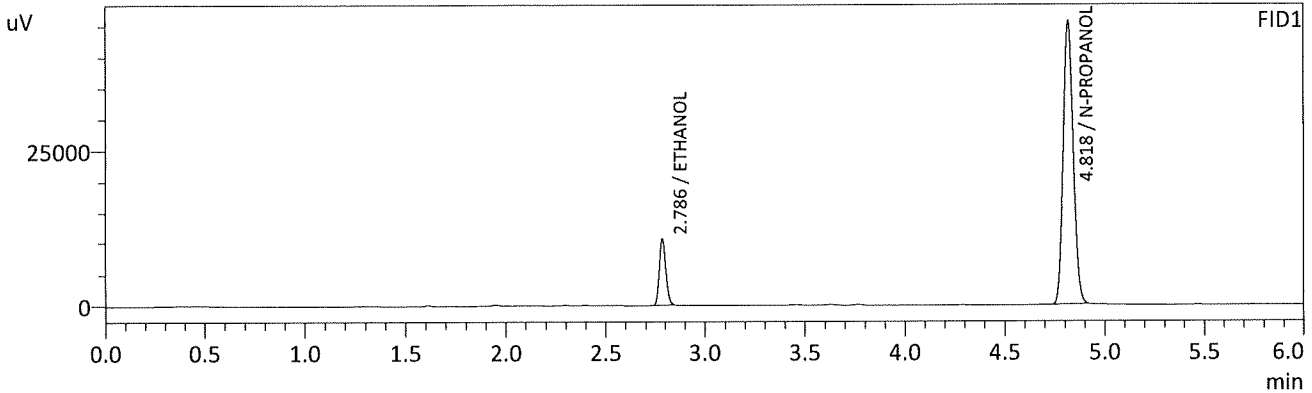
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	23276	9842
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151786	43476
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0764	g/100cc	23063	11427
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159656	60785
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

BS

Sample Name : QC1-2-B
 Vial # : 52
 Data Filename : QC1-2-B_4142021_052.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 5:21:27 PM
 Date Processed : 4/15/2021 7:39:32 AM



FID1

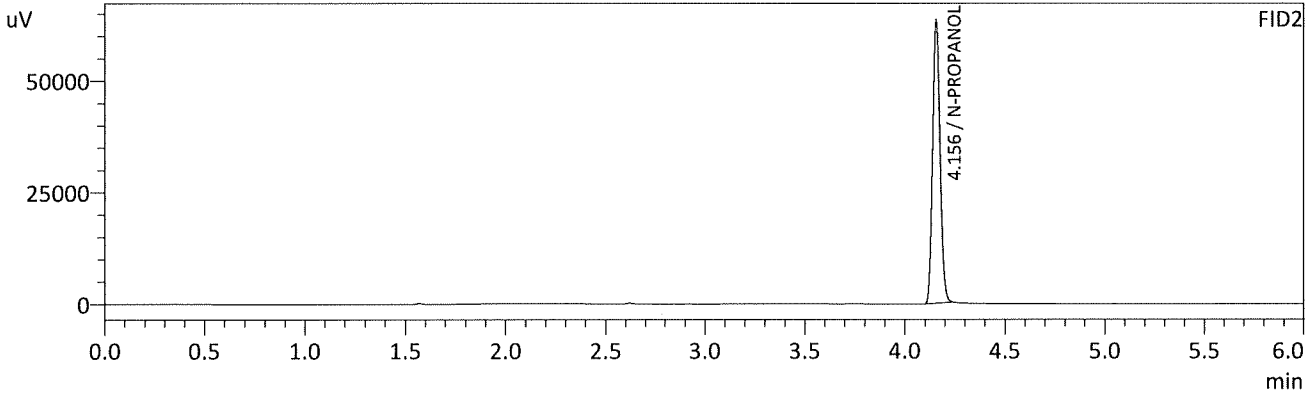
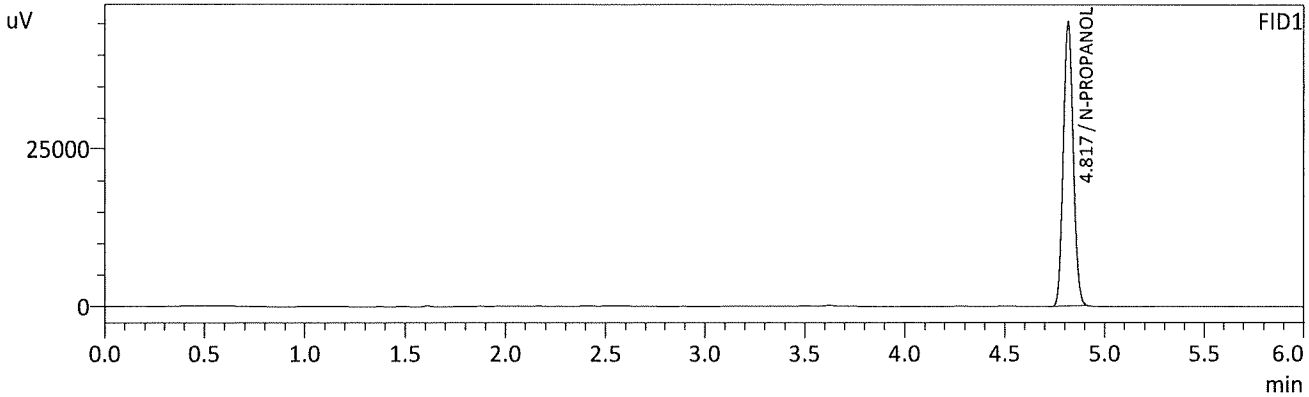
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0782	g/100cc	24790	10453
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159040	45609
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	24663	12283
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167129	63618
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : INT STD BLK 3
 Vial # : 53
 Data Filename : INT STD BLK 3_4142021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 041421_TS_POST.gcb
 Date Acquired : 4/14/2021 5:30:18 PM
 Date Processed : 4/15/2021 7:39:33 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	157980	45126
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	166492	63466
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

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_4142021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_4142021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_4142021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_4142021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_4142021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_4142021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_4142021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_4142021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_4142021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_4142021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_4142021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_4142021_012.gcd	0
13	M2021-1131-2-A	0:Unknown	ALCOHOL.gcm	M2021-1131-2-A_4142021_013.gcd	0
14	M2021-1131-2-B	0:Unknown	ALCOHOL.gcm	M2021-1131-2-B_4142021_014.gcd	0
15	M2021-1347-1-A	0:Unknown	ALCOHOL.gcm	M2021-1347-1-A_4142021_015.gcd	0
16	M2021-1347-1-B	0:Unknown	ALCOHOL.gcm	M2021-1347-1-B_4142021_016.gcd	0
17	M2021-1363-1-A	0:Unknown	ALCOHOL.gcm	M2021-1363-1-A_4142021_017.gcd	0
18	M2021-1363-1-B	0:Unknown	ALCOHOL.gcm	M2021-1363-1-B_4142021_018.gcd	0
19	M2021-1364-1-A	0:Unknown	ALCOHOL.gcm	M2021-1364-1-A_4142021_019.gcd	0
20	M2021-1364-1-B	0:Unknown	ALCOHOL.gcm	M2021-1364-1-B_4142021_020.gcd	0
21	M2021-1365-1-A	0:Unknown	ALCOHOL.gcm	M2021-1365-1-A_4142021_021.gcd	0
22	M2021-1365-1-B	0:Unknown	ALCOHOL.gcm	M2021-1365-1-B_4142021_022.gcd	0
23	M2021-1366-1-A	0:Unknown	ALCOHOL.gcm	M2021-1366-1-A_4142021_023.gcd	0
24	M2021-1366-1-B	0:Unknown	ALCOHOL.gcm	M2021-1366-1-B_4142021_024.gcd	0
25	M2021-1367-1-A	0:Unknown	ALCOHOL.gcm	M2021-1367-1-A_4142021_025.gcd	0
26	M2021-1367-1-B	0:Unknown	ALCOHOL.gcm	M2021-1367-1-B_4142021_026.gcd	0
27	M2021-1374-1-A	0:Unknown	ALCOHOL.gcm	M2021-1374-1-A_4142021_027.gcd	0
28	M2021-1374-1-B	0:Unknown	ALCOHOL.gcm	M2021-1374-1-B_4142021_028.gcd	0
29	M2021-1398-1-A	0:Unknown	ALCOHOL.gcm	M2021-1398-1-A_4142021_029.gcd	0
30	M2021-1398-1-B	0:Unknown	ALCOHOL.gcm	M2021-1398-1-B_4142021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_4142021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_4142021_032.gcd	0
33	M2021-1444-3-A	0:Unknown	ALCOHOL.gcm	M2021-1444-3-A_4142021_033.gcd	0
34	M2021-1444-3-B	0:Unknown	ALCOHOL.gcm	M2021-1444-3-B_4142021_034.gcd	0
35	P2021-1027-1-A	0:Unknown	ALCOHOL.gcm	P2021-1027-1-A_4142021_035.gcd	0
36	P2021-1027-1-B	0:Unknown	ALCOHOL.gcm	P2021-1027-1-B_4142021_036.gcd	0
37	P2021-1028-1-A	0:Unknown	ALCOHOL.gcm	P2021-1028-1-A_4142021_037.gcd	0
38	P2021-1028-1-B	0:Unknown	ALCOHOL.gcm	P2021-1028-1-B_4142021_038.gcd	0
39	P2021-1030-1-A	0:Unknown	ALCOHOL.gcm	P2021-1030-1-A_4142021_039.gcd	0
40	P2021-1030-1-B	0:Unknown	ALCOHOL.gcm	P2021-1030-1-B_4142021_040.gcd	0
41	P2021-1088-1-A	0:Unknown	ALCOHOL.gcm	P2021-1088-1-A_4142021_041.gcd	0
42	P2021-1088-1-B	0:Unknown	ALCOHOL.gcm	P2021-1088-1-B_4142021_042.gcd	0
43	P2021-1089-1-A	0:Unknown	ALCOHOL.gcm	P2021-1089-1-A_4142021_043.gcd	0
44	P2021-1089-1-B	0:Unknown	ALCOHOL.gcm	P2021-1089-1-B_4142021_044.gcd	0
45	P2021-1091-1-A	0:Unknown	ALCOHOL.gcm	P2021-1091-1-A_4142021_045.gcd	0
46	P2021-1091-1-B	0:Unknown	ALCOHOL.gcm	P2021-1091-1-B_4142021_046.gcd	0
47	P2021-1095-1-A	0:Unknown	ALCOHOL.gcm	P2021-1095-1-A_4142021_047.gcd	0
48	P2021-1095-1-B	0:Unknown	ALCOHOL.gcm	P2021-1095-1-B_4142021_048.gcd	0
49	P2021-1096-1-A	0:Unknown	ALCOHOL.gcm	P2021-1096-1-A_4142021_049.gcd	0
50	P2021-1096-1-B	0:Unknown	ALCOHOL.gcm	P2021-1096-1-B_4142021_050.gcd	0
51	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_4142021_051.gcd	0
52	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_4142021_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_4142021_053.gcd	0