



















AS

6/3/2021

Worklist: 5006

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1933	1	BCK	Alcohol Analysis	
M2021-1934	1	BCK	Alcohol Analysis	
M2021-1985	1	BCK	Alcohol Analysis	
M2021-1987	1	BCK	Alcohol Analysis	
M2021-2093	1	BCK	Alcohol Analysis	
M2021-2163	1	BCK	Alcohol Analysis	
M2021-2164	2	BCK	Alcohol Analysis	
P2021-1431	1	BCK	Alcohol Analysis	
P2021-1468	1	BCK	Alcohol Analysis	
P2021-1469	1	BCK	Alcohol Analysis	
P2021-1506	1	BCK	Alcohol Analysis	
P2021-1507	1	BCK	Alcohol Analysis	
P2021-1536	1	BCK	Alcohol Analysis	
P2021-1537	1	BCK	Alcohol Analysis	
P2021-1539	1	BCK	Alcohol Analysis	
P2021-1543	1	BCK	Alcohol Analysis	
P2021-1544	1	BCK	Alcohol Analysis	
P2021-1545	1	BCK	Alcohol Analysis	
P2021-1546	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): 06-02-2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0755 g/100cc 0.0772 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2156 g/100cc g/100cc g/100cc
Multi-Component mixture:			Lot #	FN06041902	ok
Curve Fit:			Column 1	0.99991	Column2
				0.99976	

REVIEWED

By RCutler at 3:31 pm, Jun 03, 2021

Ethanol Calibration Reference Material			
Calibrator level	Target Value	Acceptable Range	Mean
50	0.050	0.045 - 0.055	0.0518
100	0.100	0.090 - 0.110	0.1000
200	0.200	0.180 - 0.220	0.1975
300	0.300	0.270 - 0.330	0.2994
400	0.400	0.360 - 0.440	
500	0.500	0.450 - 0.550	0.5011
			0.5021
			0.0014
			0.0002
			0.0011
			0.0011
			0
			#DIV/0!
			0.001
			0.5016

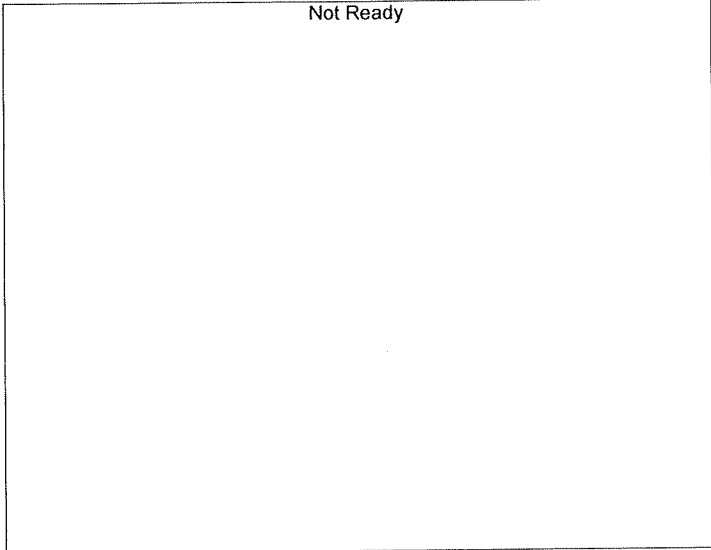
Aqueous Controls		
Control level	Target Value	Overall Results
80	0.080	0.081 g/100cc
	0.076 - 0.084	0.081

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Calibration Table

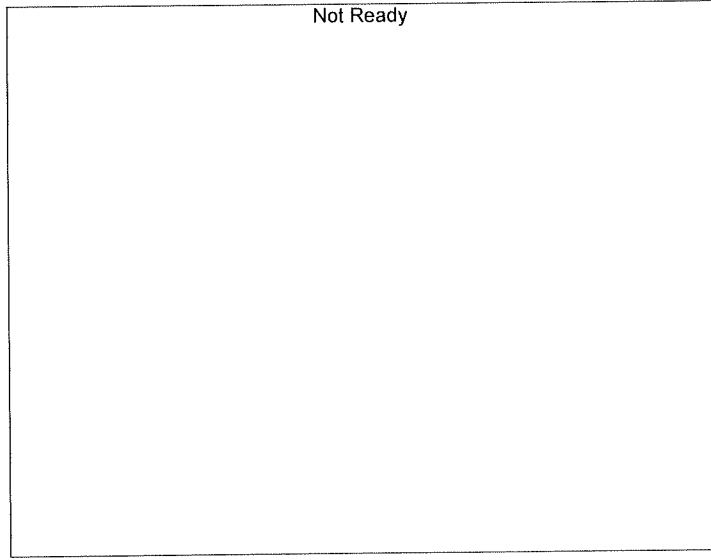
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Data File>>
Method File :C:\LabSolutions\Data\2021\6-2-21 TS\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\2021\6-2-21 TS\06-02-21 TS_post.gcb
Date Acquired :6/2/2021 10:48:14 AM
Date Created :6/2/2021 10:45:16 AM
Date Modified :6/3/2021 7:34:17 AM



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

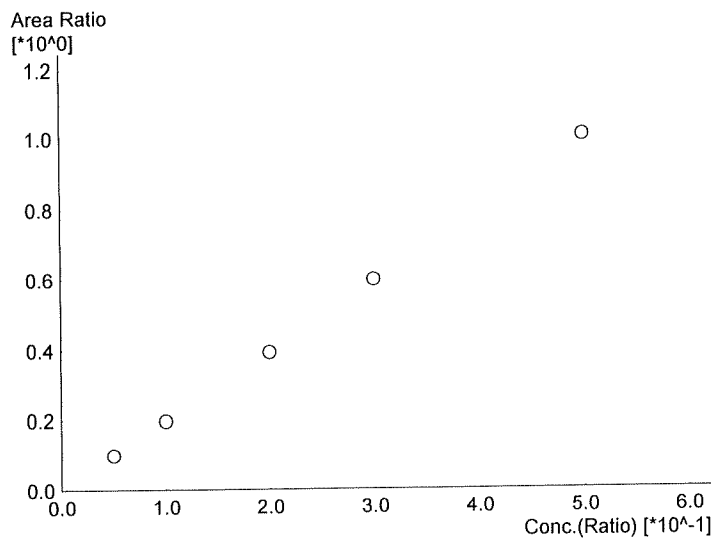
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

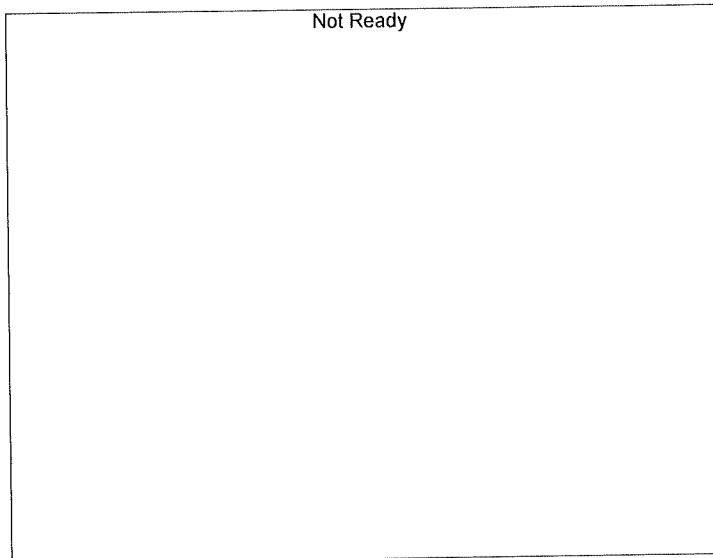
#	Conc.	Area	Std. Conc.
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TS



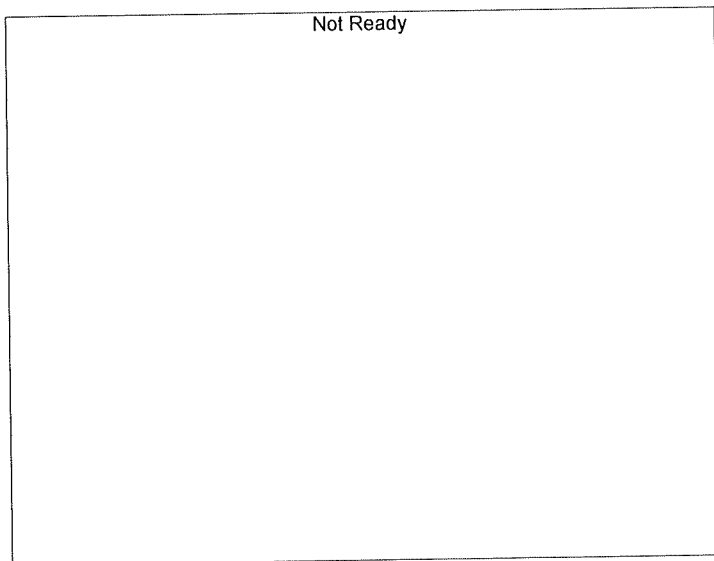
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.01339x-0.00646952$
 R² value= 0.9999151
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14926	0.0518
2	0.100	29969	0.1000
3	0.200	59976	0.1975
4	0.300	91646	0.2994
5	0.500	157502	0.5011



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

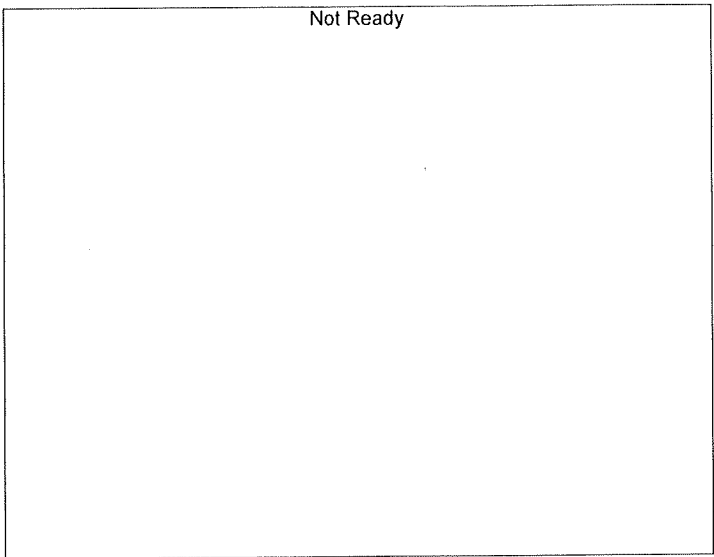
#	Conc.	Area	Std. Conc.
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Name : ACETONE
 Detector Name: FID1
 Function : $f(x)=0x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

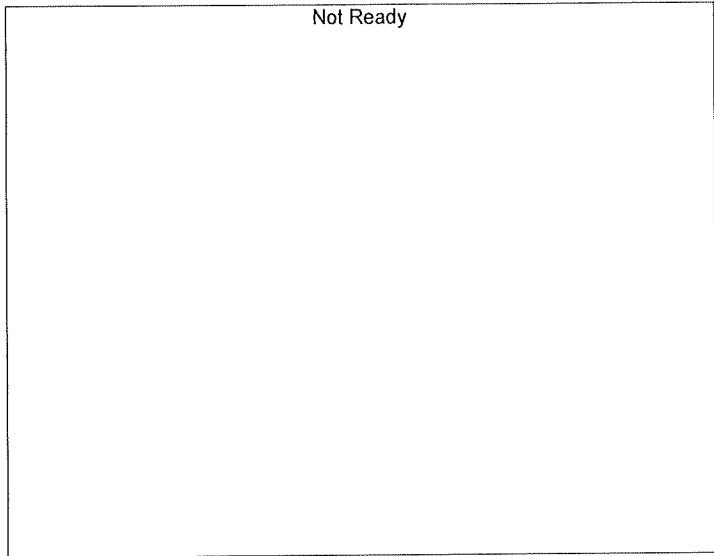
#	Conc.	Area	Std. Conc.
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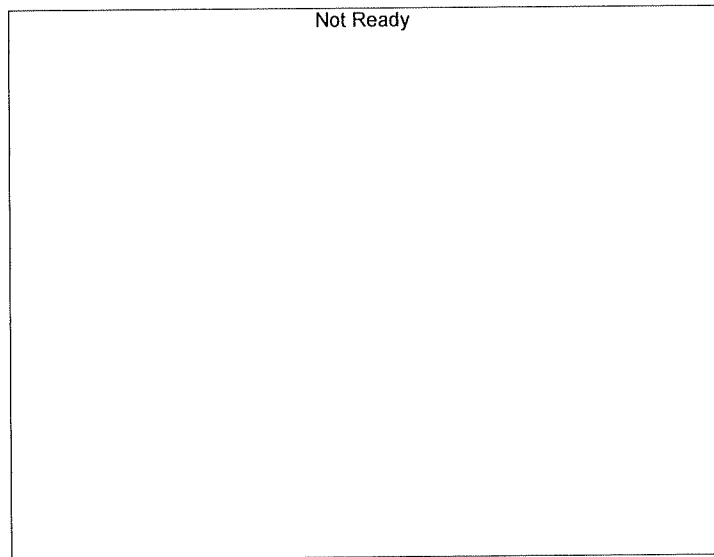
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

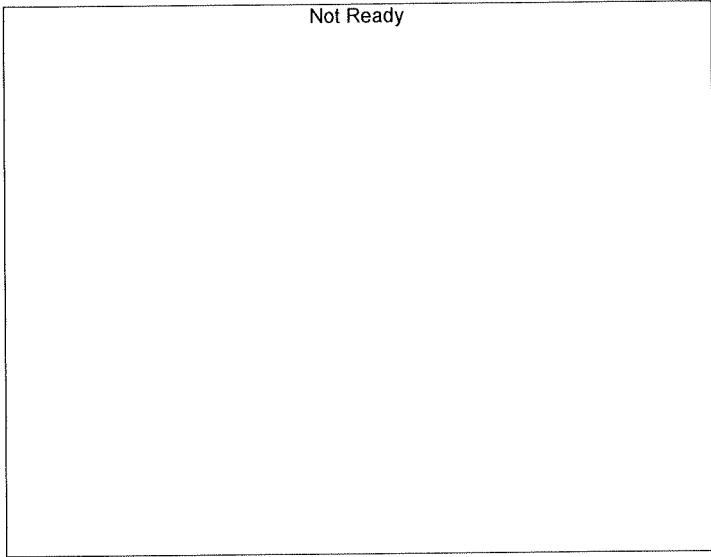
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

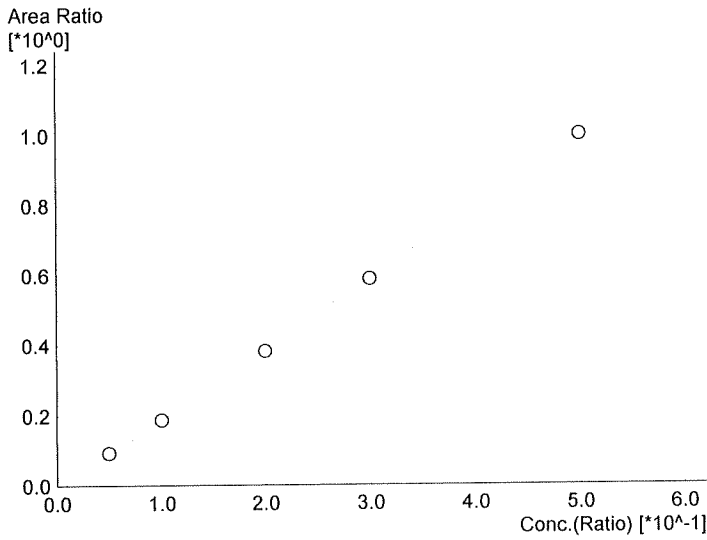
#	Conc.	Area	Std. Conc.
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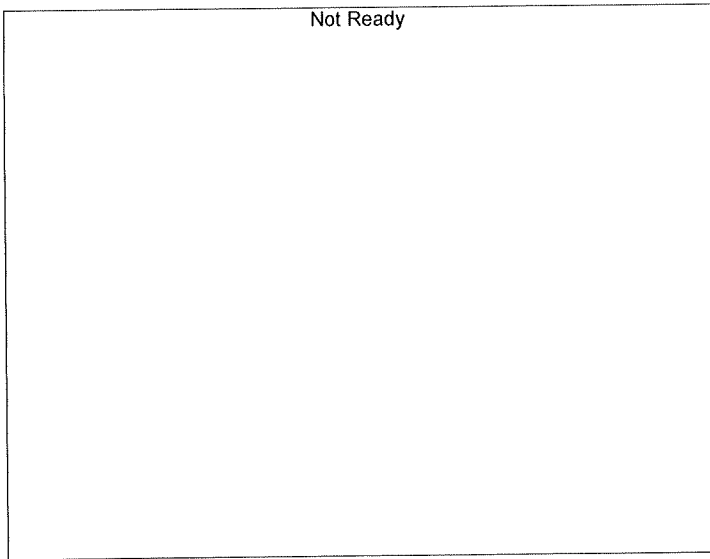
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.02153*x-0.0149488$
 R² value= 0.9997622 ✓
 FitType: Linear
 ZeroThrough: Not Through

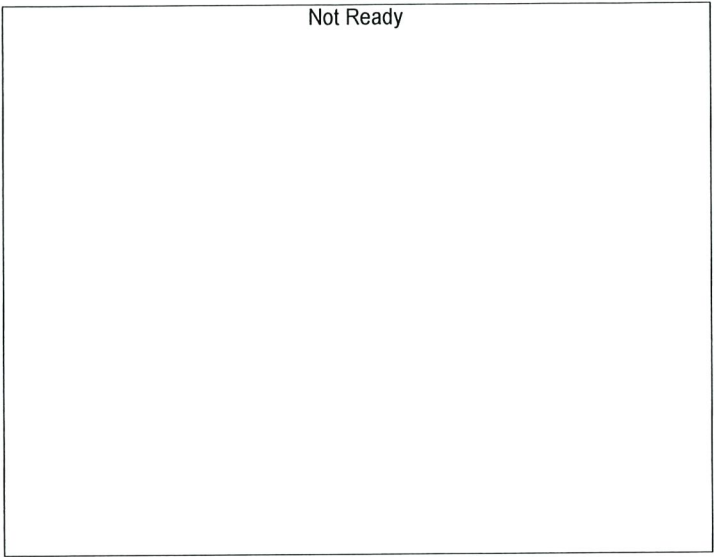
#	Conc.	Area	Std. Conc.
1	0.050	15120	0.0532
2	0.100	30722	0.0998
3	0.200	62453	0.1964
4	0.300	96094	0.2983
5	0.500	166311	0.5021



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

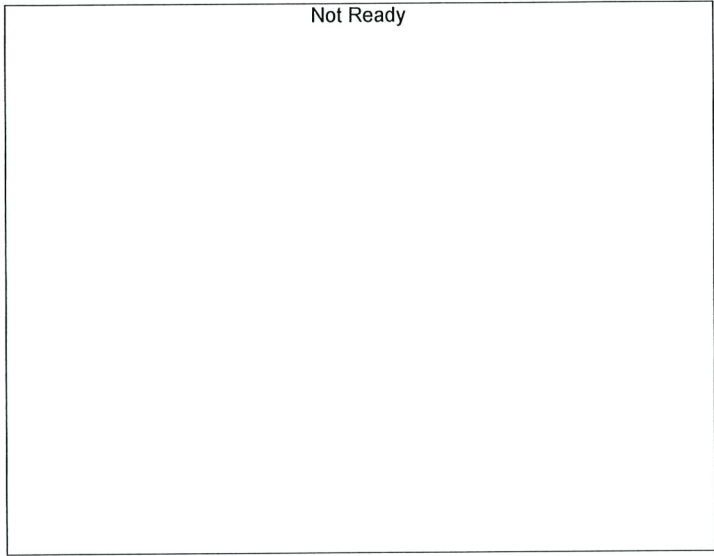
#	Conc.	Area	Std. Conc.
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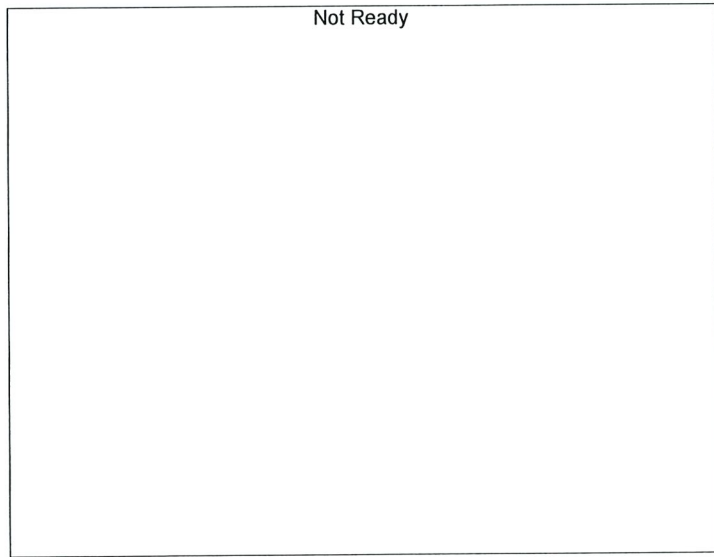
Name : ISOPROPYLALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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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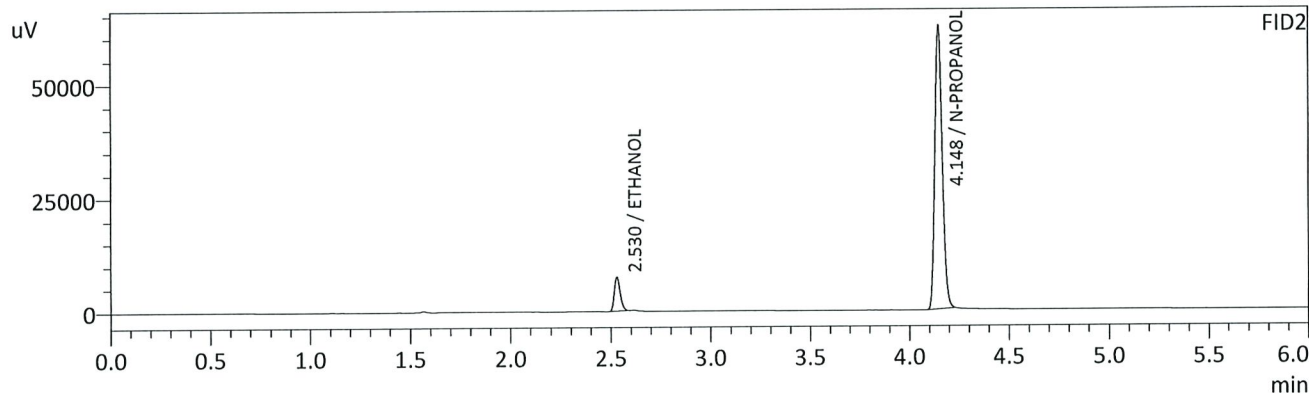
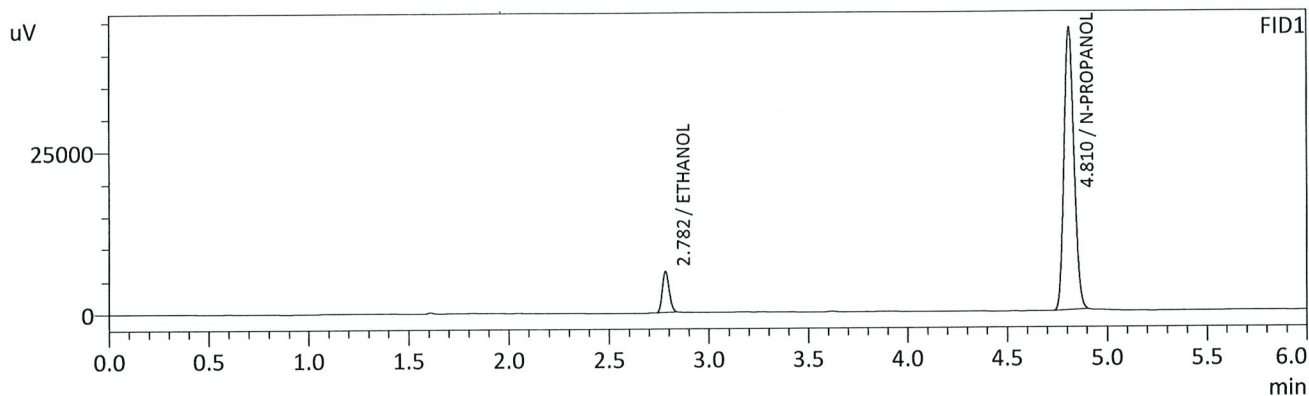


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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B

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_622021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:12:58 AM
 Date Processed : 6/3/2021 7:34:11 AM



FID1

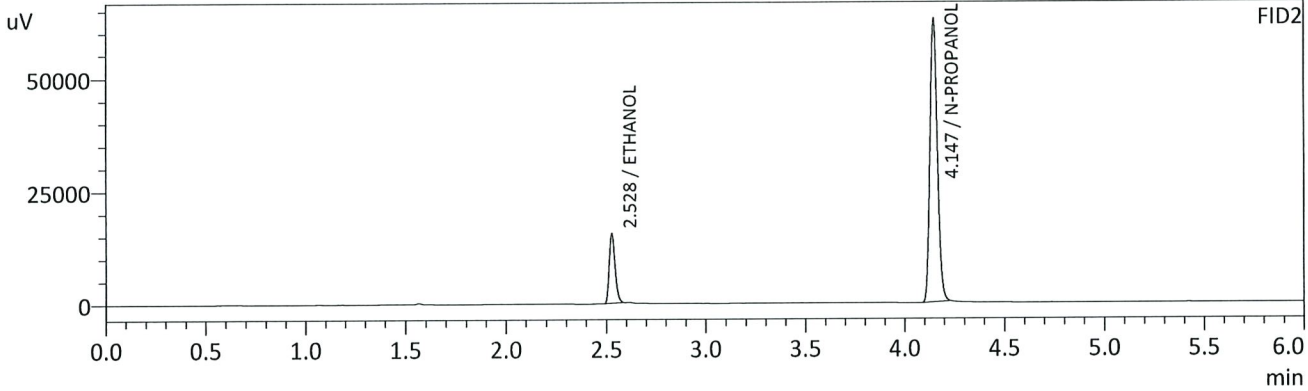
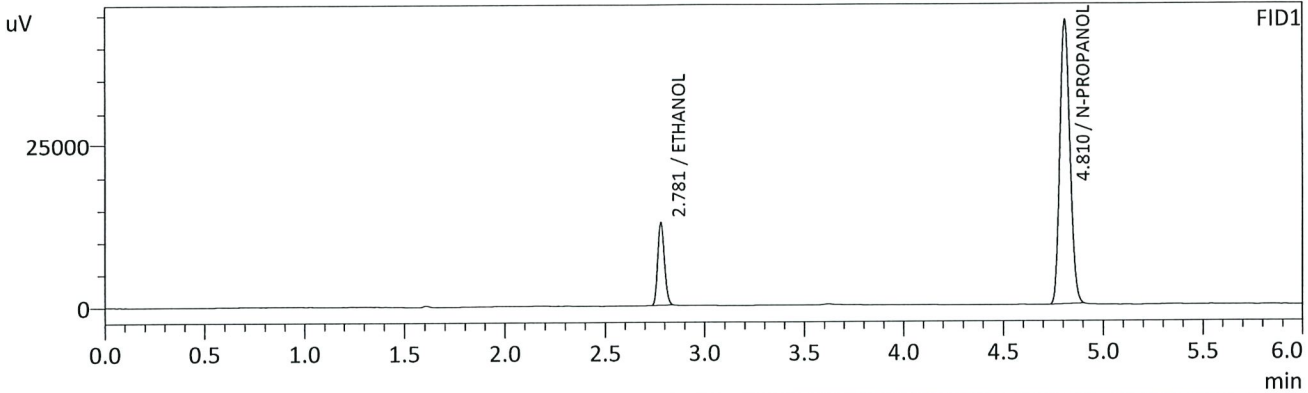
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	14926	6324
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152434	43635
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0532	g/100cc	15120	7404
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163155	62090
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_622021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:21:41 AM
 Date Processed : 6/3/2021 7:34:13 AM



FID1

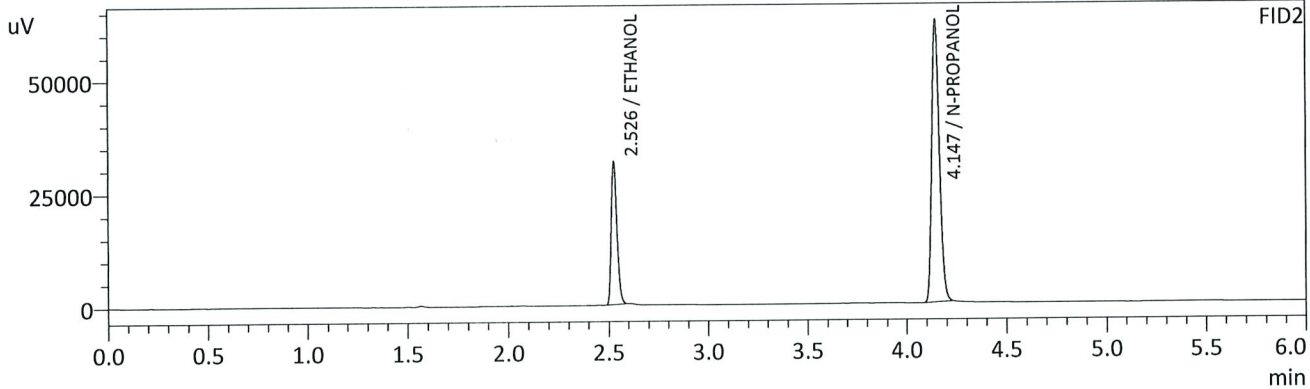
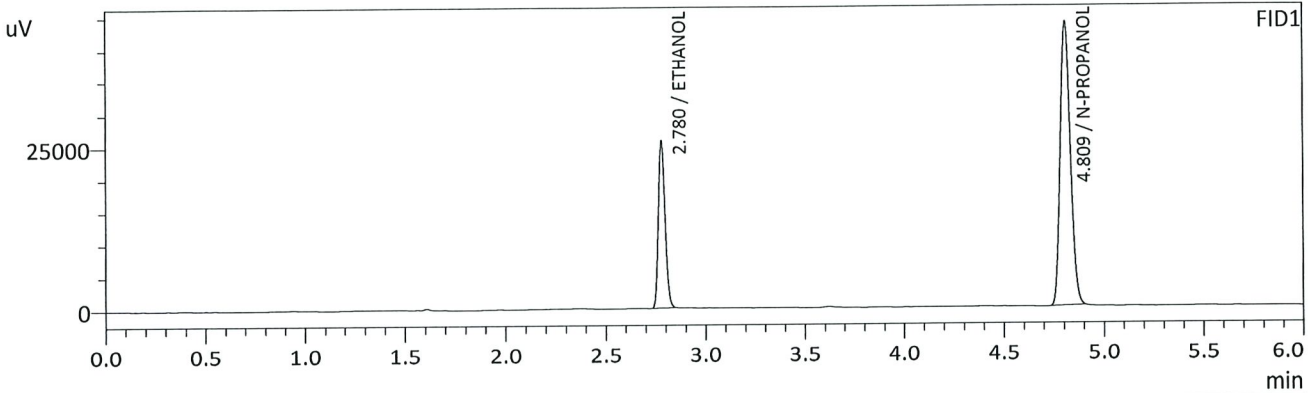
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	29969	12771
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153766	43915
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0998	g/100cc	30722	15412
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164357	62778
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_622021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:30:24 AM
 Date Processed : 6/3/2021 7:34:14 AM



FID1

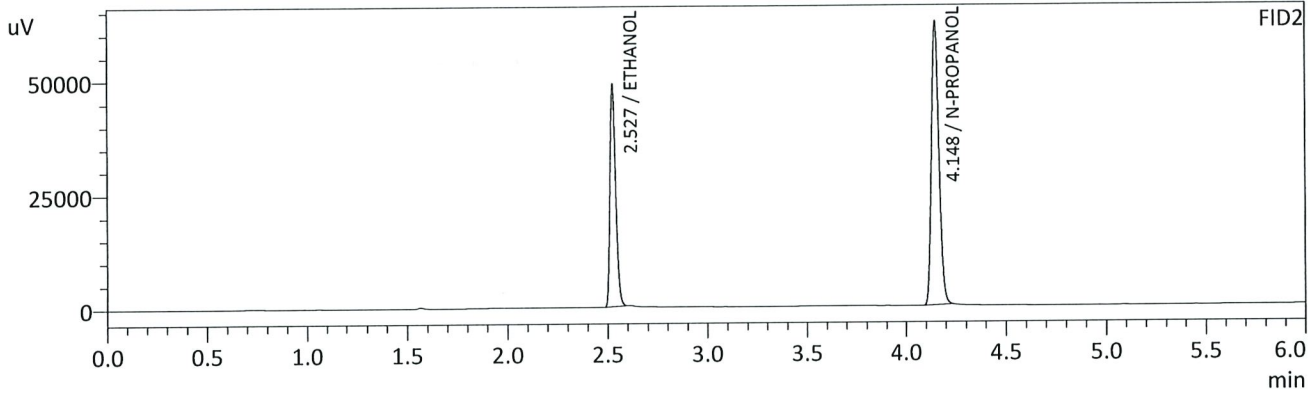
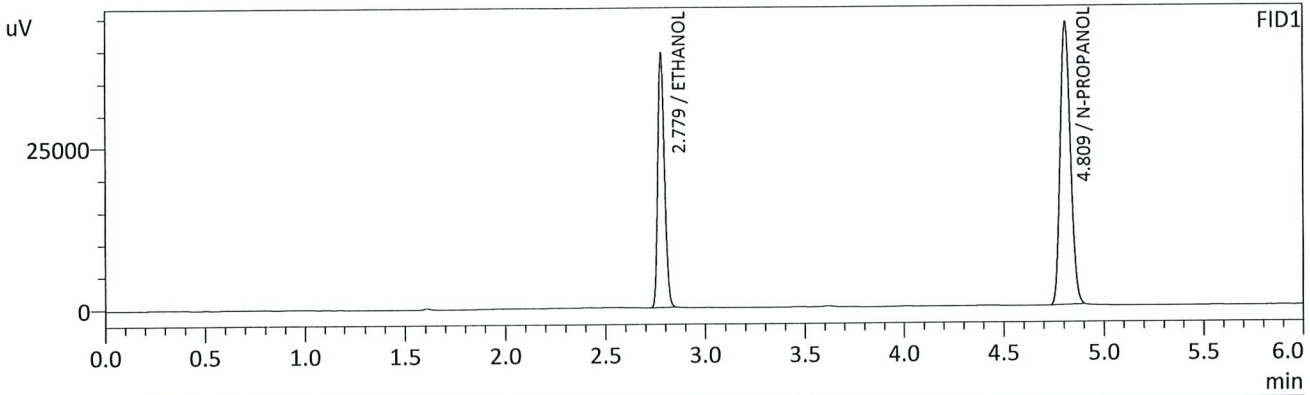
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1975	g/100cc	59976	25735
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153274	43689
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1964	g/100cc	62453	31452
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163452	62467
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_622021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:39:07 AM
 Date Processed : 6/3/2021 7:34:16 AM



FID1

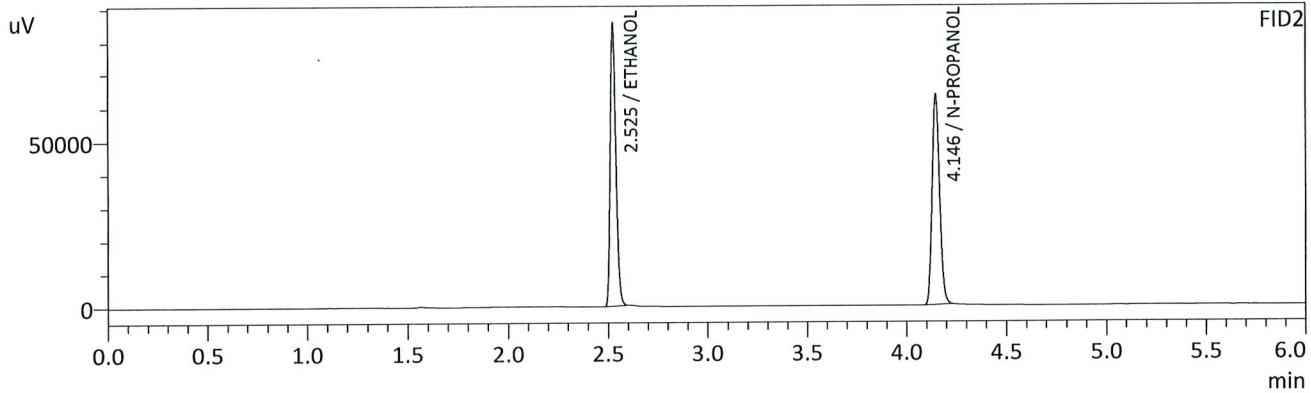
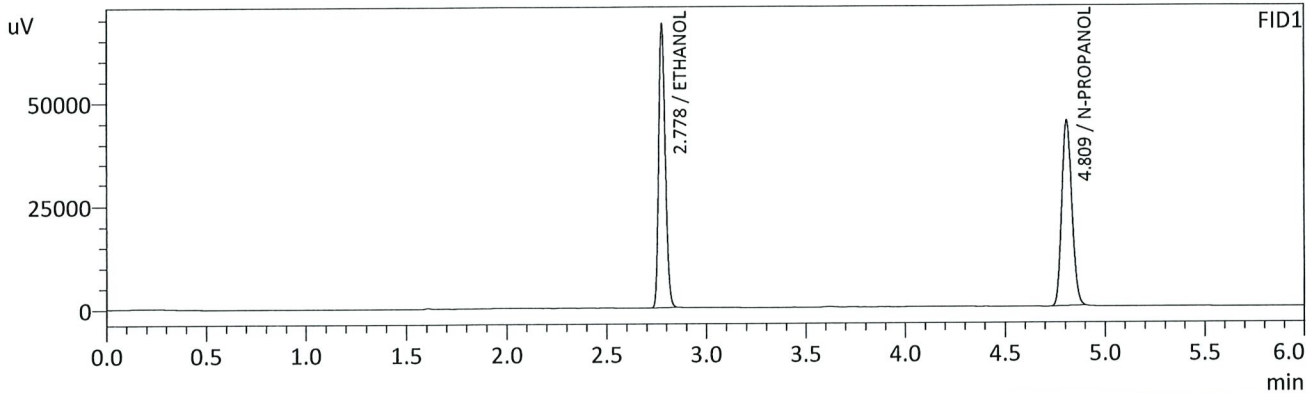
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2994	g/100cc	91646	39420
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153643	43915
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	96094	48650
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163354	62097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_622021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:48:14 AM
 Date Processed : 6/3/2021 7:34:17 AM



FID1

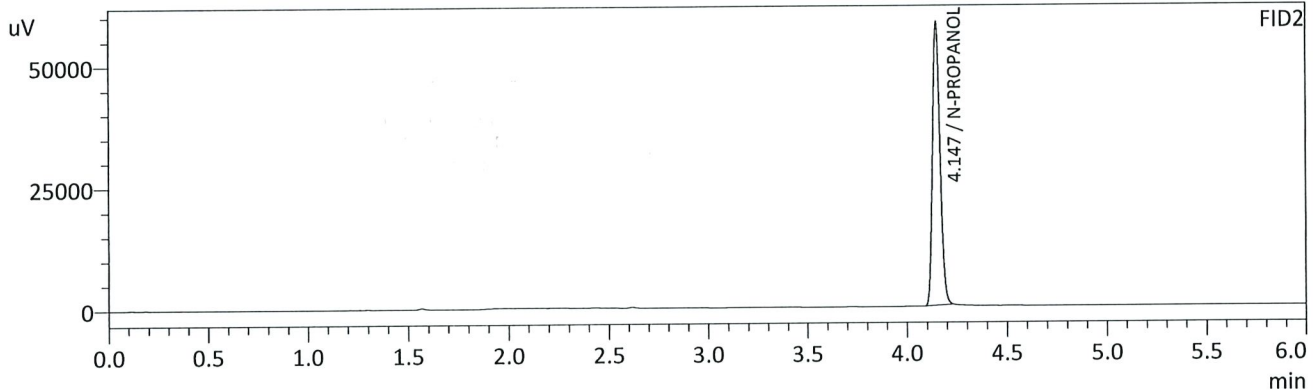
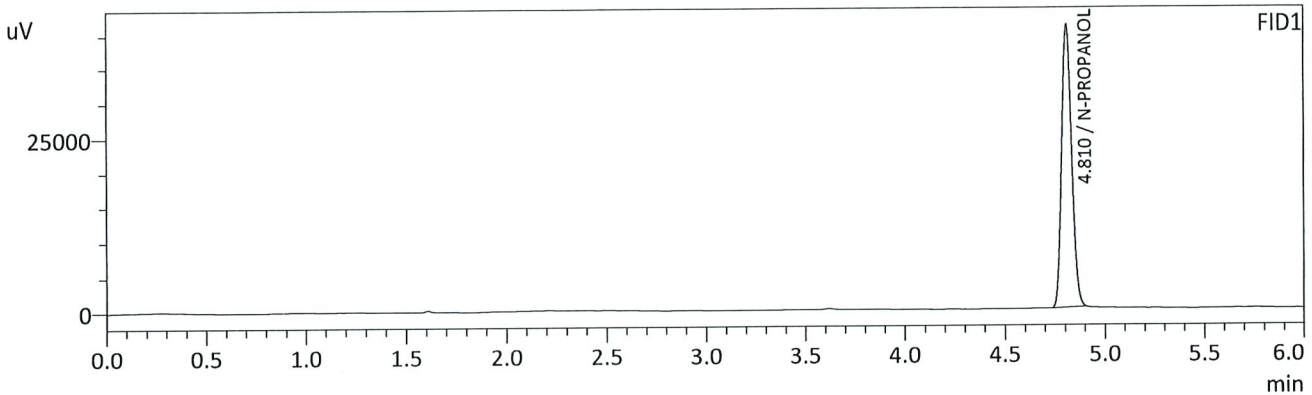
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	157502	68250
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157117	44929
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5021	g/100cc	166311	84039
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166298	63451
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_622021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 10:56:53 AM
 Date Processed : 6/3/2021 7:34:19 AM



FID1

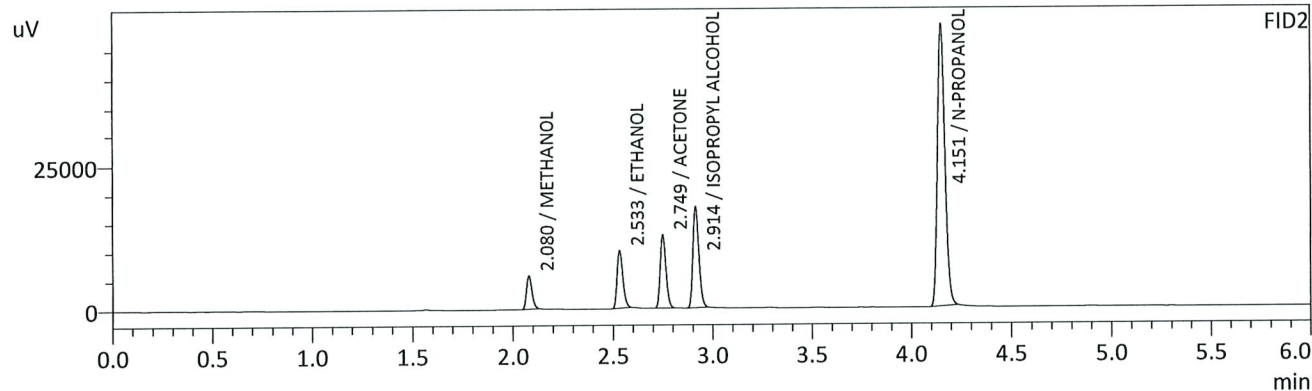
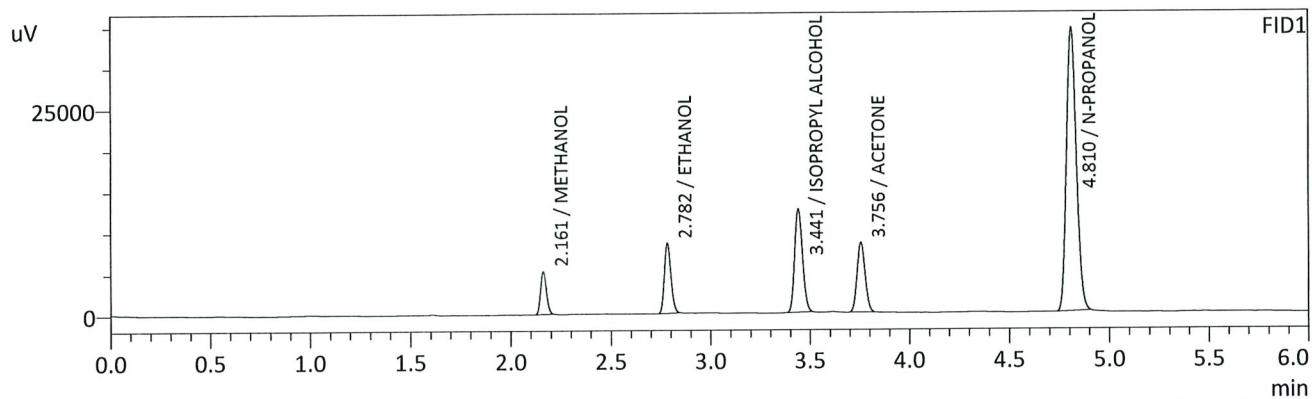
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	142807	40837
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	152755	58196
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_622021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:05:58 AM
 Date Processed : 6/3/2021 7:34:20 AM



FID1

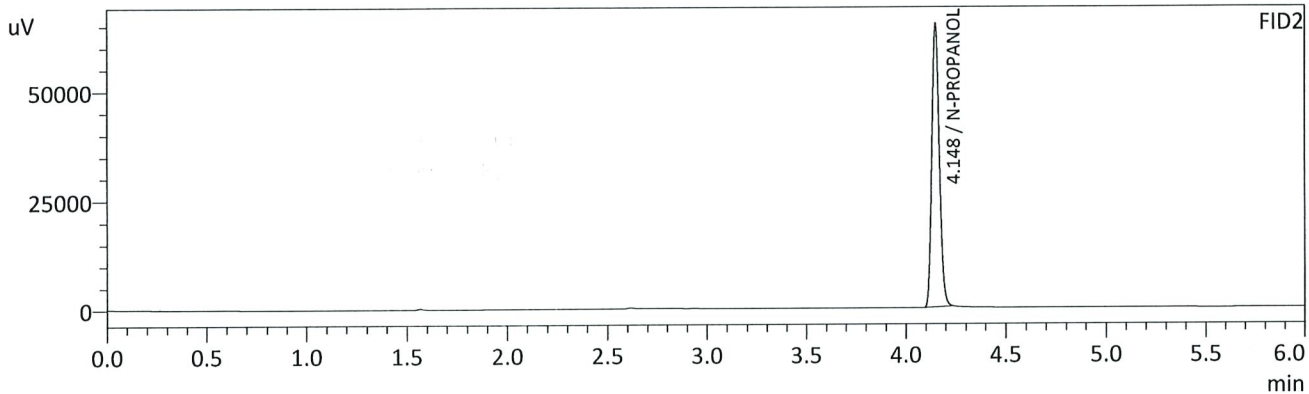
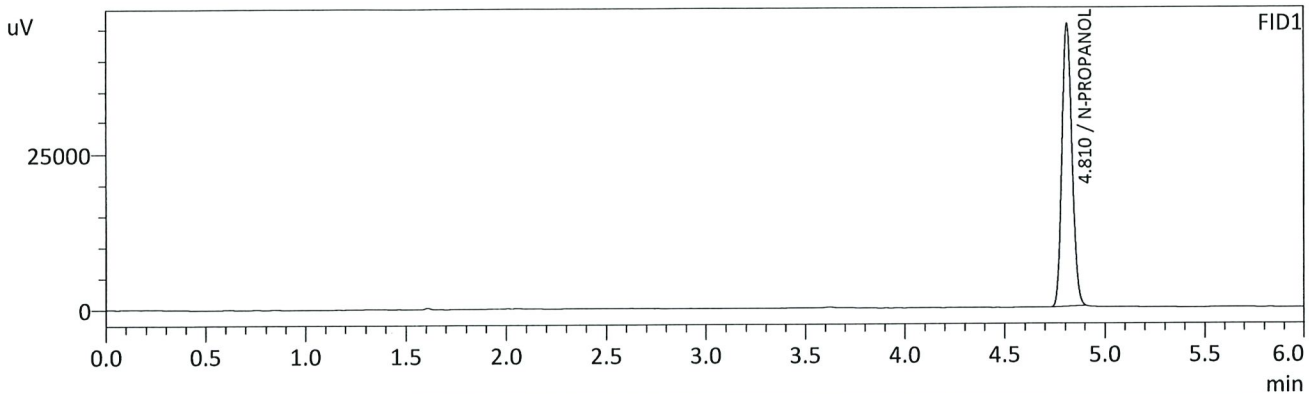
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	10598	5164
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0840	g/100cc	19450	8331
ISOPROPYL ALCOHOL	0.0000	g/100cc	34894	12559
ACETONE	0.0000	g/100cc	23740	8344
N-PROPANOL	0.0000	g/100cc	119490	34383
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	10742	5744
ETHANOL	0.0843	g/100cc	19863	9993
ACETONE	0.0000	g/100cc	25232	12521
ISOPROPYL ALCOHOL	0.0000	g/100cc	36640	17505
N-PROPANOL	0.0000	g/100cc	127612	48962
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_622021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:15:07 AM
 Date Processed : 6/3/2021 7:34:22 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	158949	45471
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	170205	64663
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1

Analysis Date(s): 06-02-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0758	0.0757	0.0001	0.0757	0.0004	0.0755
(g/100cc)	0.0753	0.0754	0.0001	0.0753		

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
0.075	0.071	0.079	0.004

	Reported Result	
	0.075	

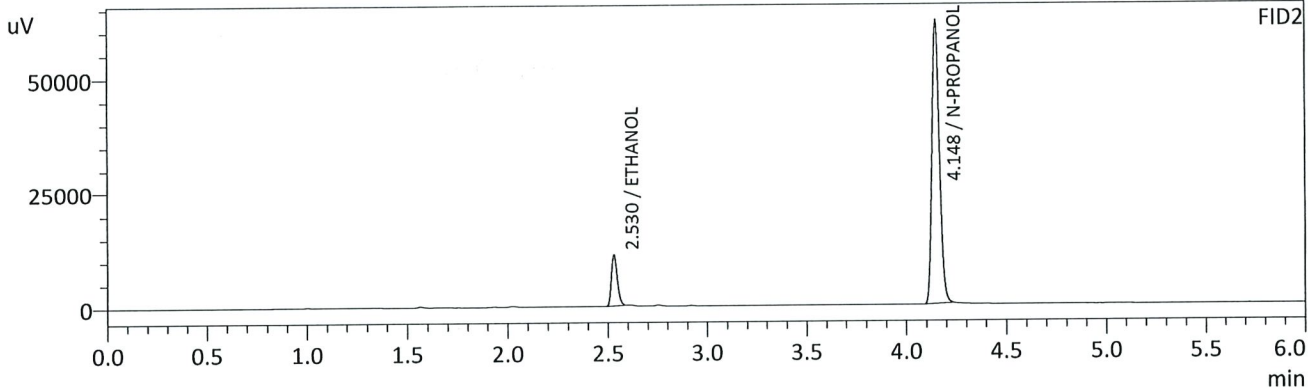
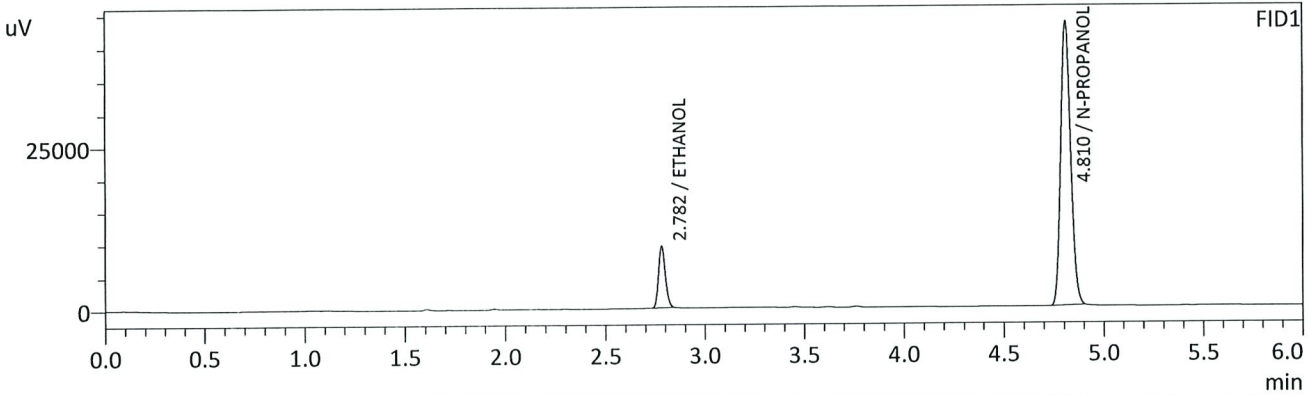
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

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Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_622021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:23:42 AM
 Date Processed : 6/3/2021 7:34:23 AM



FID1

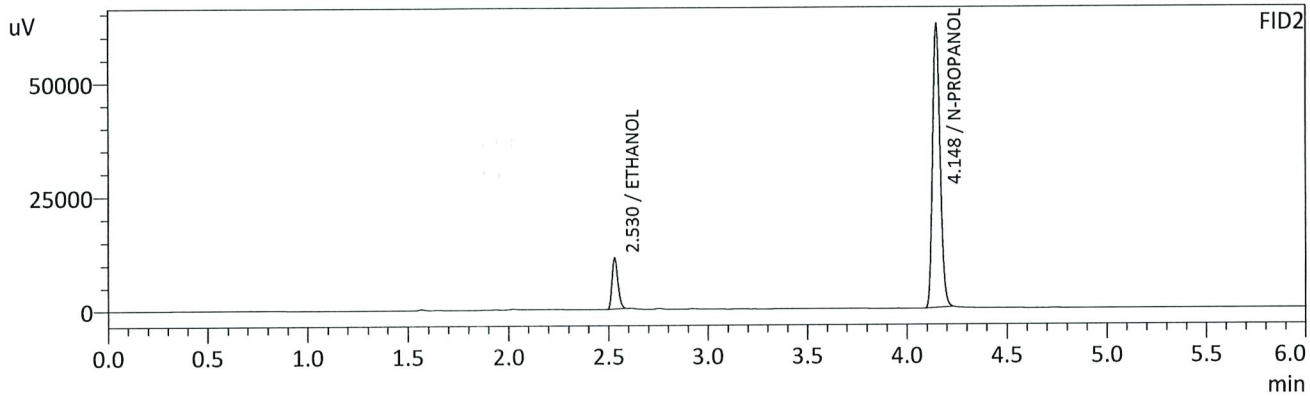
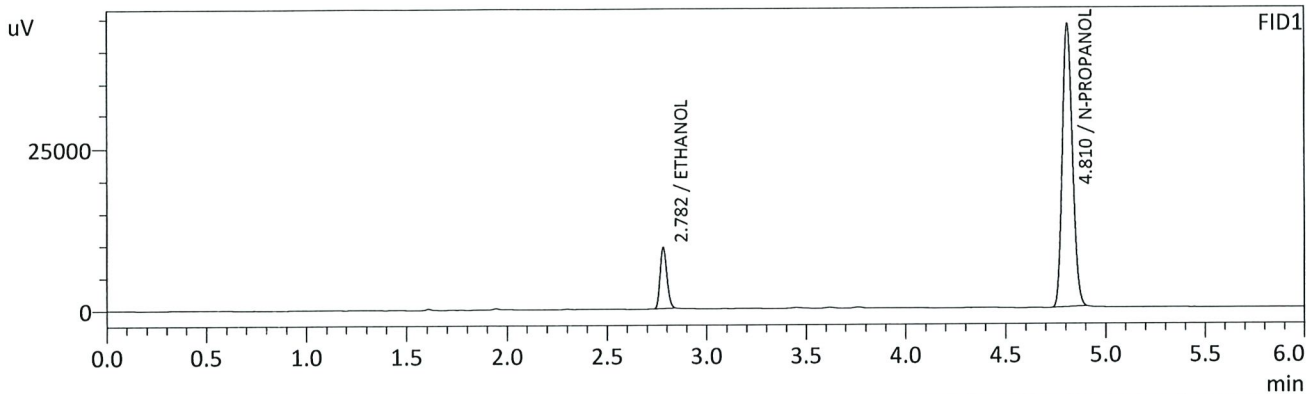
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0758	g/100cc	22189	9322
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151645	43390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0757	g/100cc	22370	11047
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161930	61466
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_622021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:32:36 AM
 Date Processed : 6/3/2021 7:34:24 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0753	g/100cc	22193	9357
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152823	43752
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0754	g/100cc	22496	11066
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163556	62055
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA

Analysis Date(s): 06-02-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0815	0.0002	0.0816	0.0004	0.0814
(g/100cc)	0.0811	0.0813	0.0002	0.0812		

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%

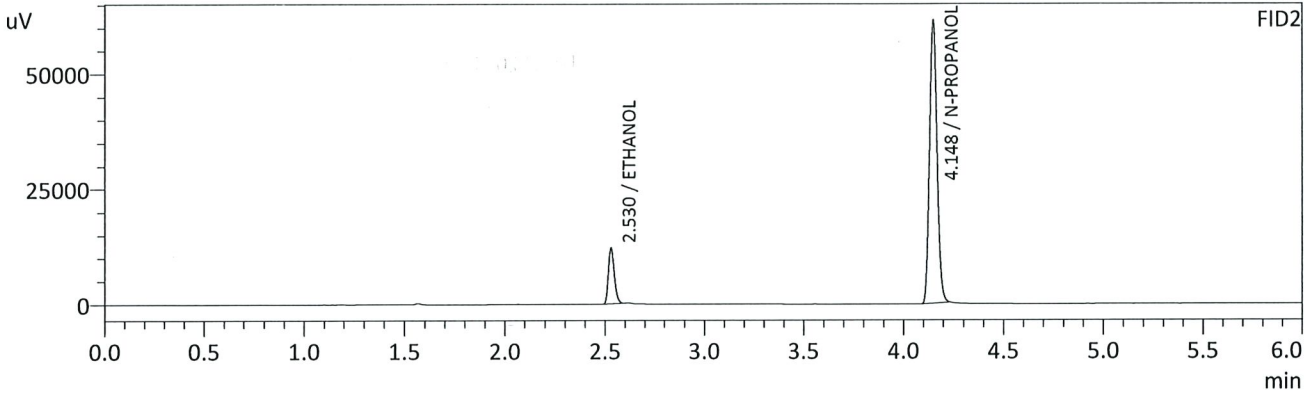
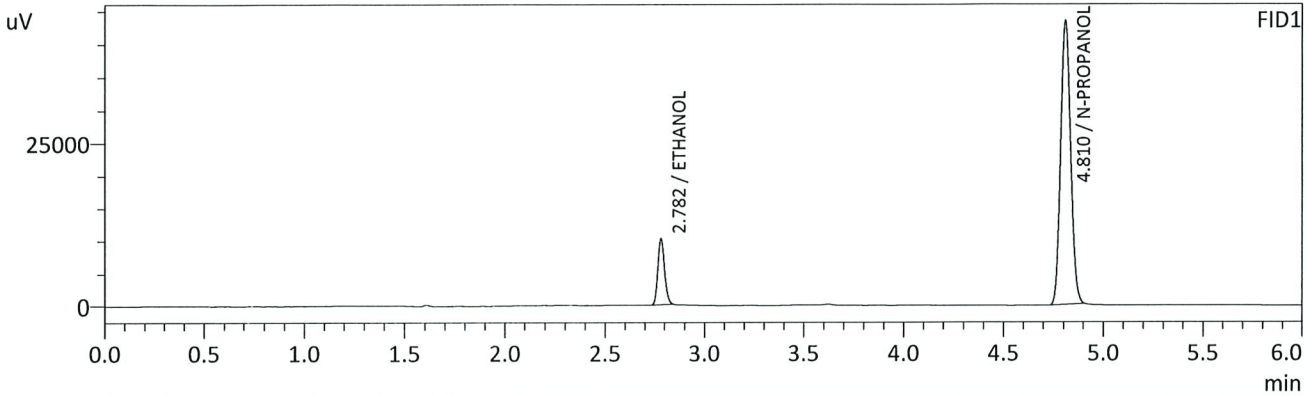
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	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_622021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:41:08 AM
 Date Processed : 6/3/2021 7:34:25 AM



FID1

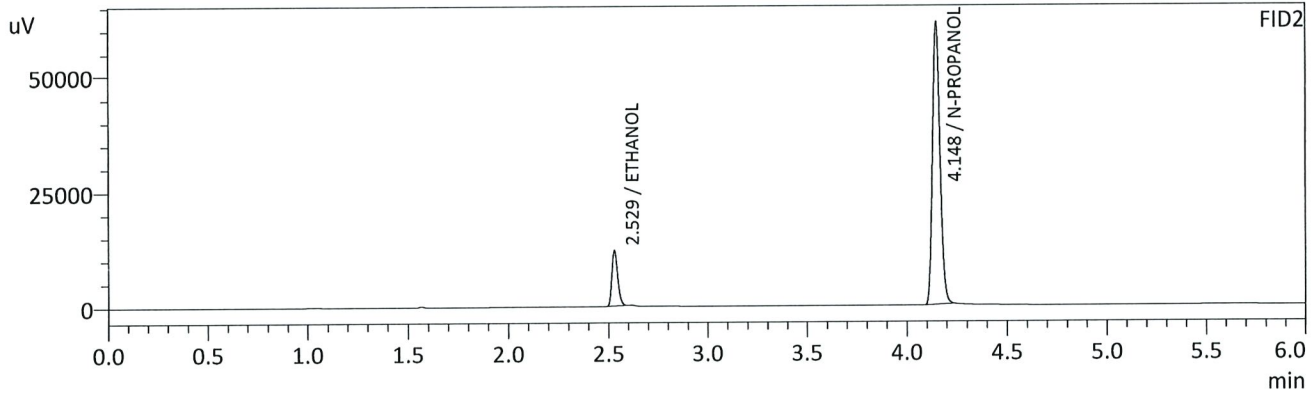
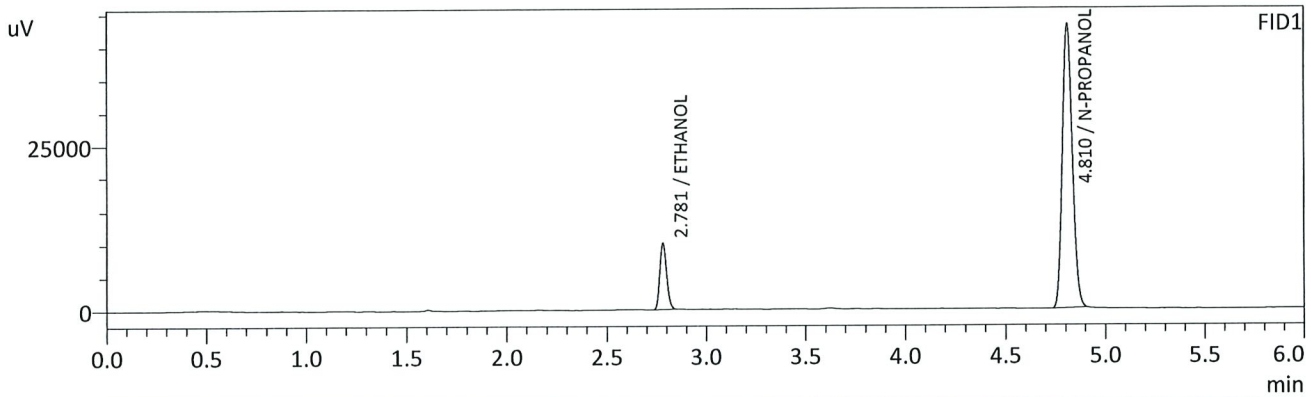
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	23916	10073
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151323	43384
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	24220	11932
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161596	61152
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_622021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 11:50:08 AM
 Date Processed : 6/3/2021 7:34:27 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	23632	10005
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	150616	43103
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	24056	11889
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160909	61197
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1

Analysis Date(s): 06-02-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2150	0.2137	0.0013	0.2143	0.0026	0.2156
(g/100cc)	0.2176	0.2163	0.0013	0.2169		

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%

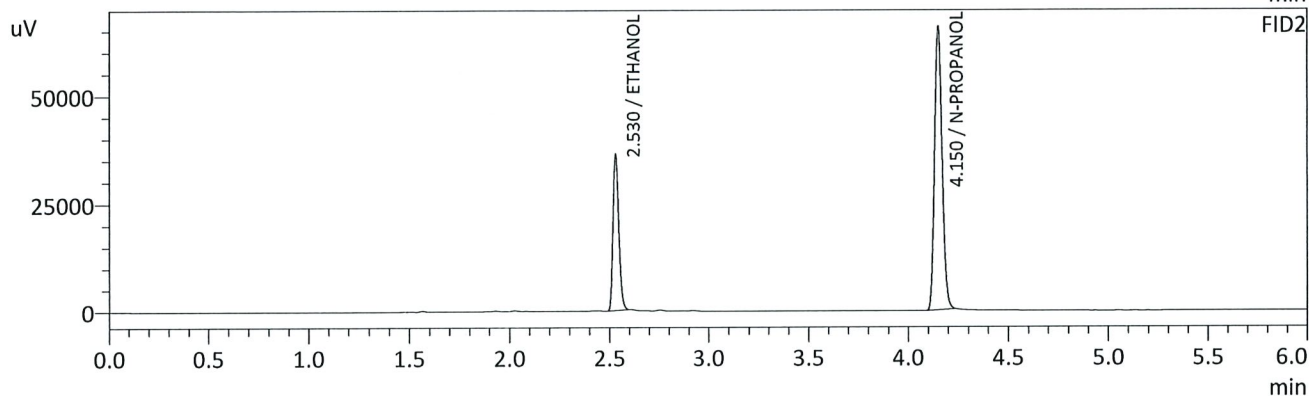
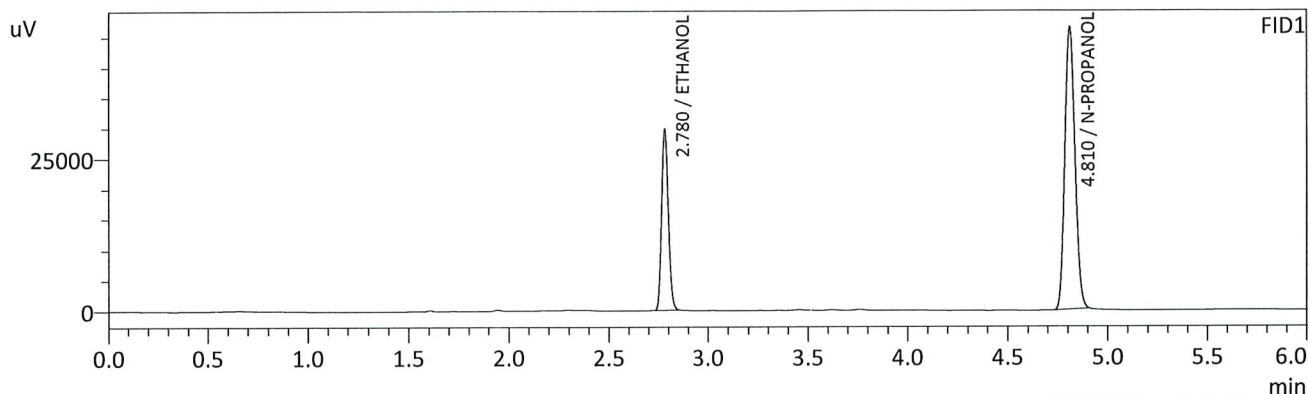
Overall Mean (g/100cc)	Low	High	5% of Mean
0.215	0.204	0.226	0.011

	Reported Result	
	0.215	

Calibration and control data are stored centrally.

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Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_622021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 2:37:49 PM
 Date Processed : 6/3/2021 7:34:50 AM



FID1

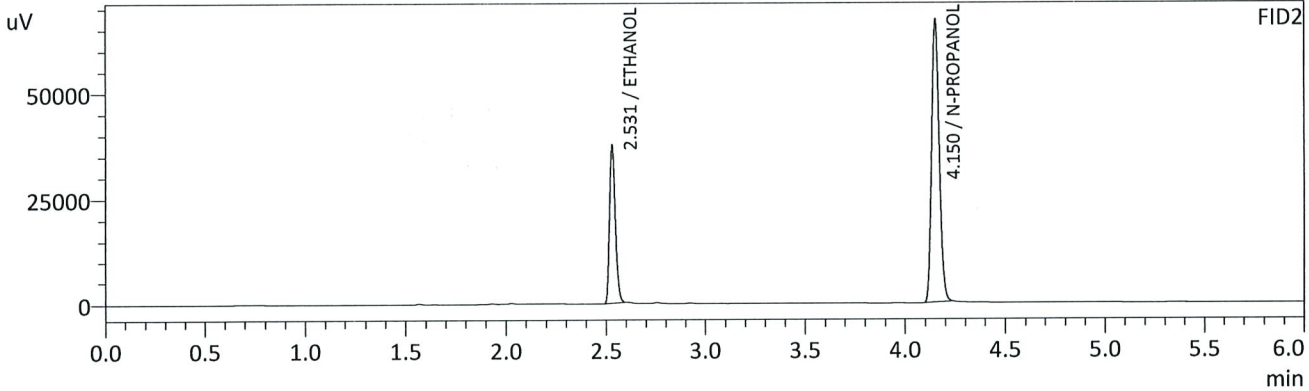
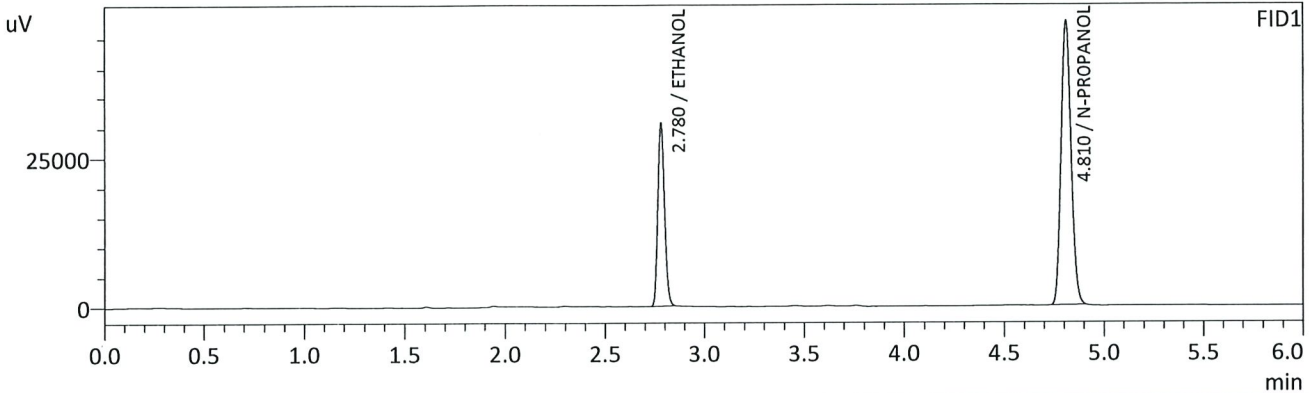
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2150	g/100cc	69276	29606
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162436	46369
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2137	g/100cc	71827	35736
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172220	65326
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_622021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 2:46:37 PM
 Date Processed : 6/3/2021 7:34:52 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2176	g/100cc	71800	30617
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166320	47546
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2163	g/100cc	74286	37240
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175898	66973
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2

Analysis Date(s): 06-02-2021

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0769	0.0774	0.0005	0.0771	0.0003	0.0772
(g/100cc)	0.0773	0.0775	0.0002	0.0774		

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

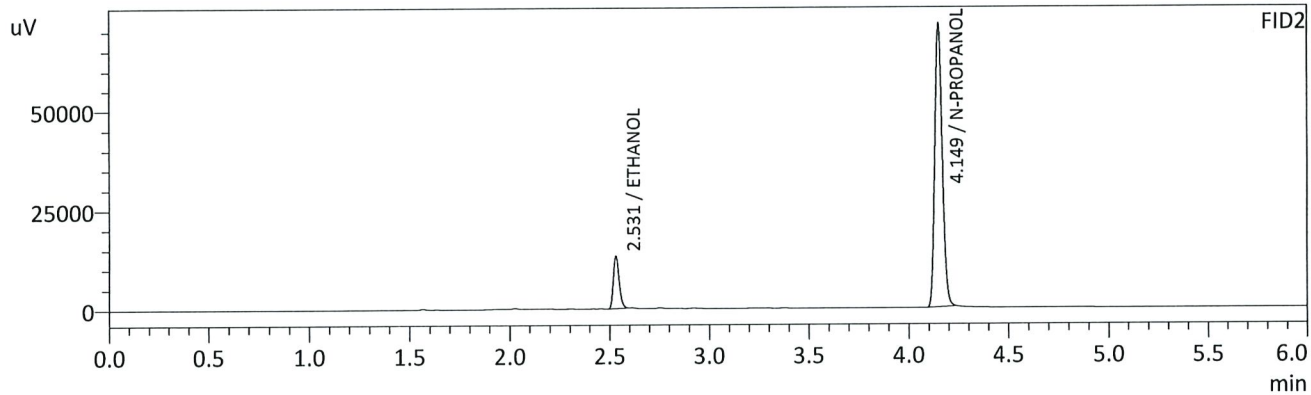
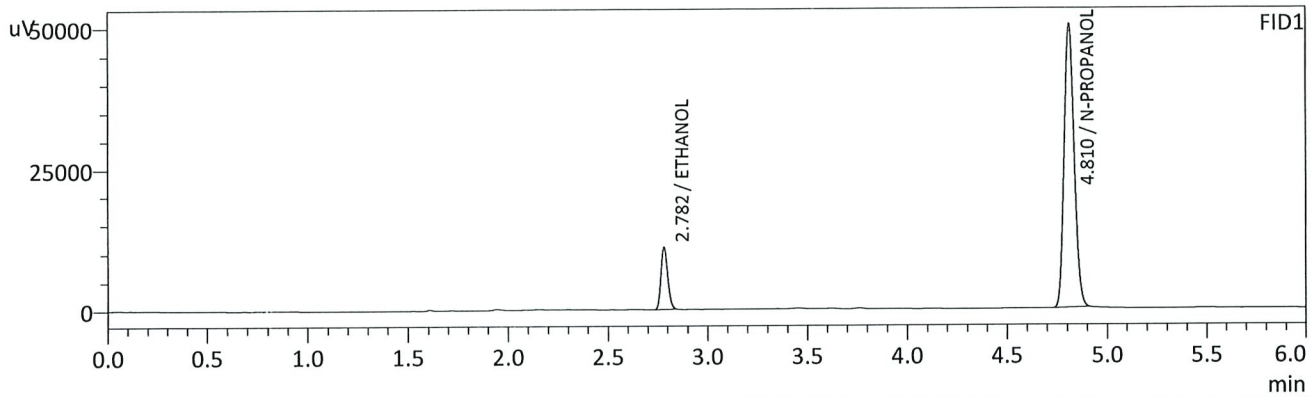
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

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Sample Name : QC1-2-A
 Vial # : 53
 Data Filename : QC1-2-A_622021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 5:52:40 PM
 Date Processed : 6/3/2021 7:35:17 AM



FID1

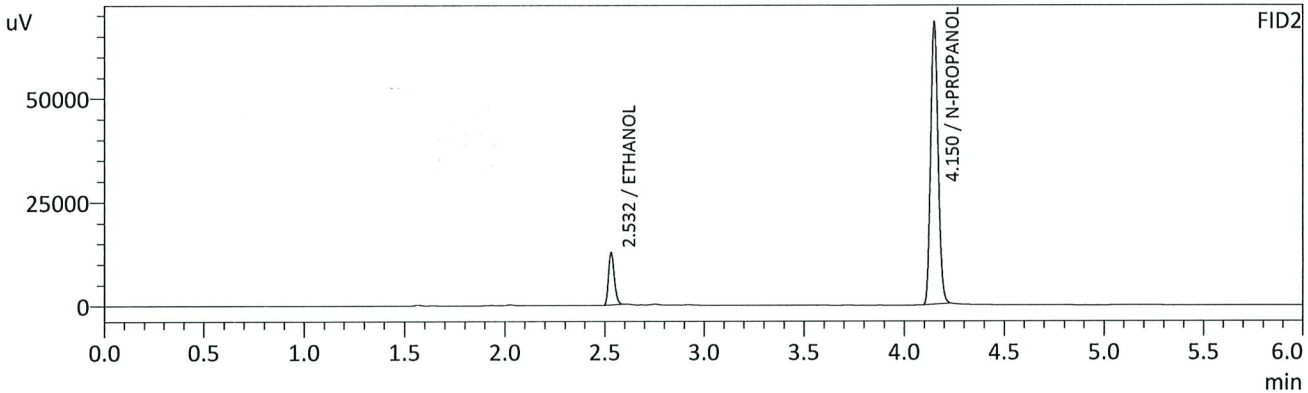
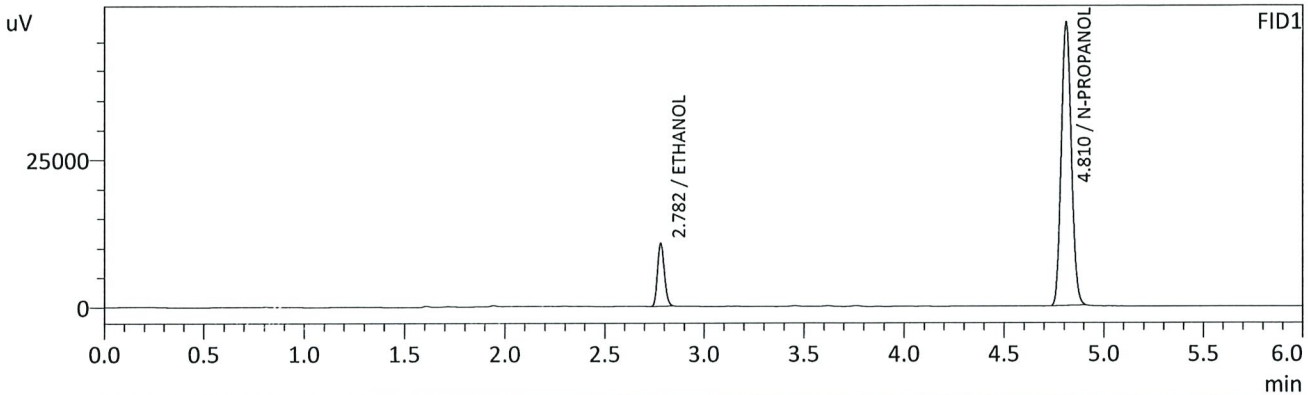
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0769	g/100cc	26026	10969
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175276	50121
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0774	g/100cc	26348	13085
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186032	70825
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_622021_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 6:01:18 PM
 Date Processed : 6/3/2021 7:35:18 AM



FID1

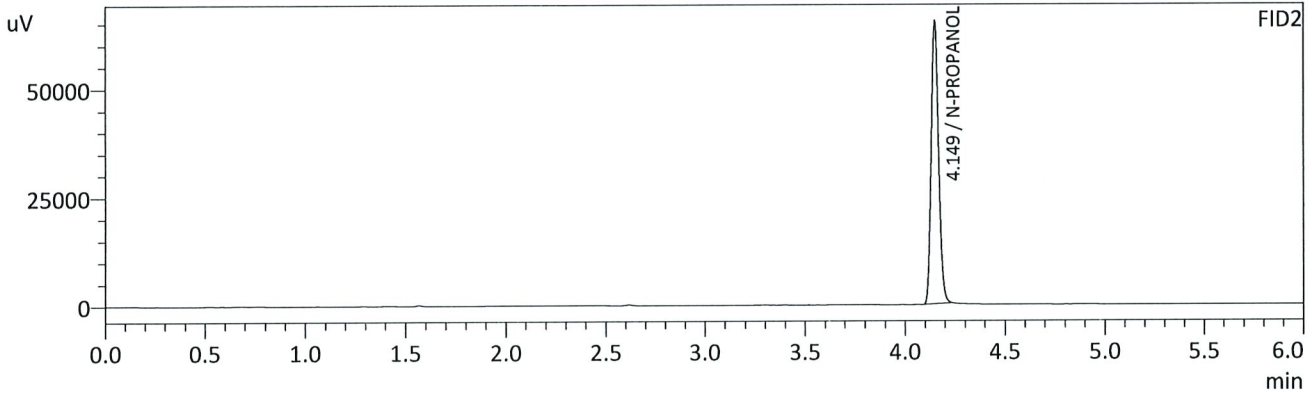
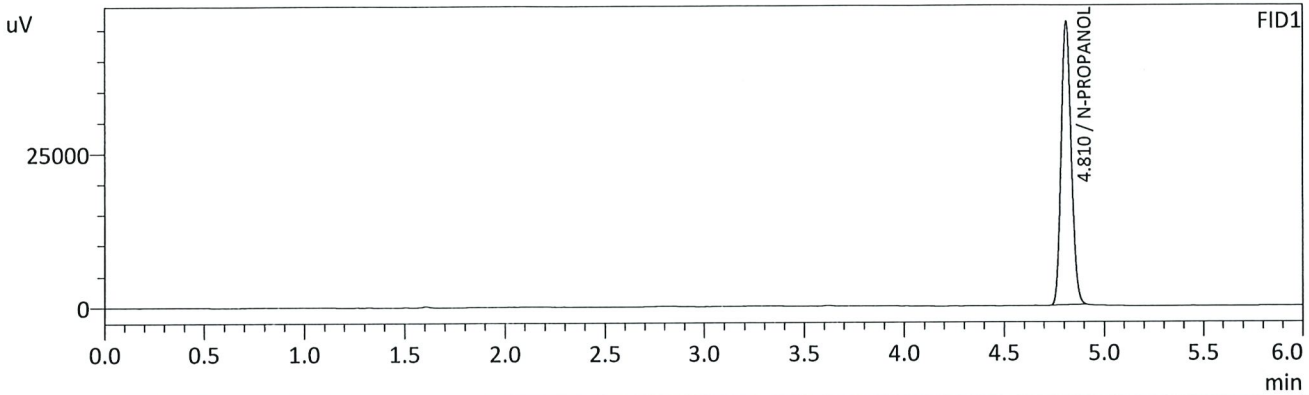
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0773	g/100cc	25098	10571
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168248	48069
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0775	g/100cc	25266	12578
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178162	67755
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_622021_055.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 6:10:26 PM
 Date Processed : 6/3/2021 7:35:19 AM



FID1

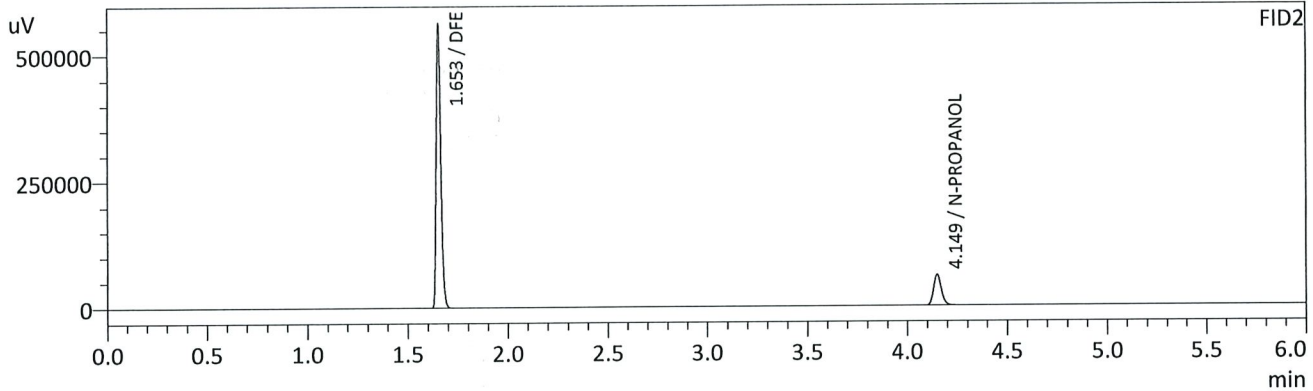
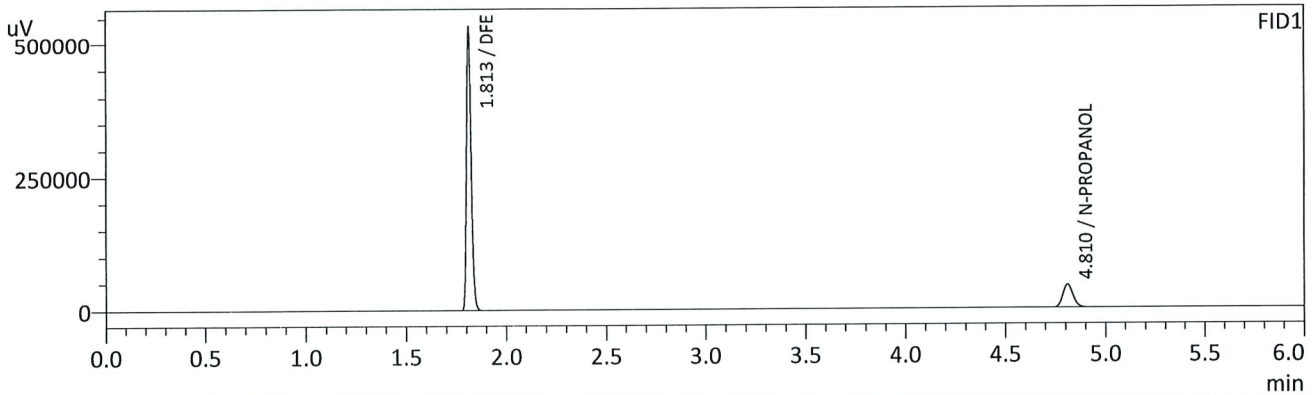
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160484	45955
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	170253	64666
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : DFE
 Vial # : 56
 Data Filename : DFE_622021_056.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 6:19:33 PM
 Date Processed : 6/3/2021 7:35:21 AM



FID1

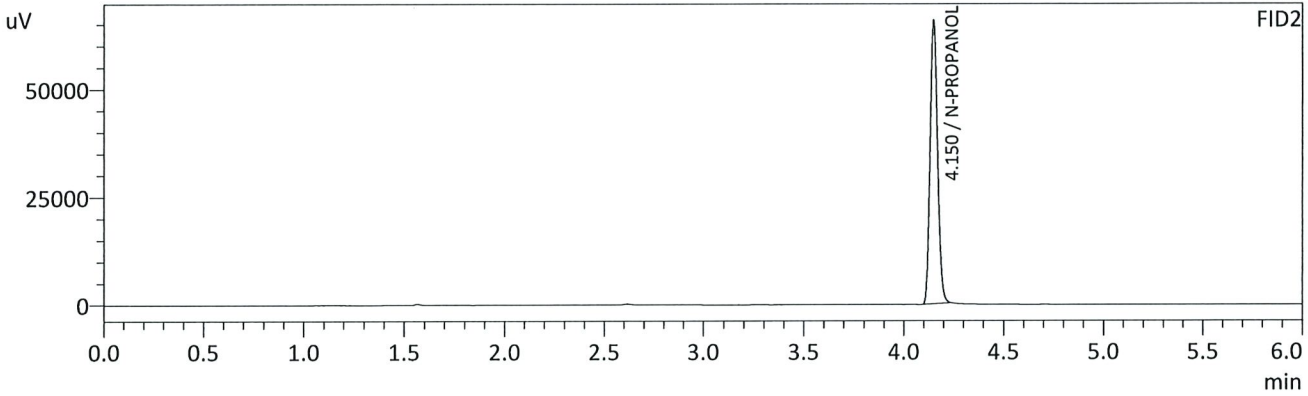
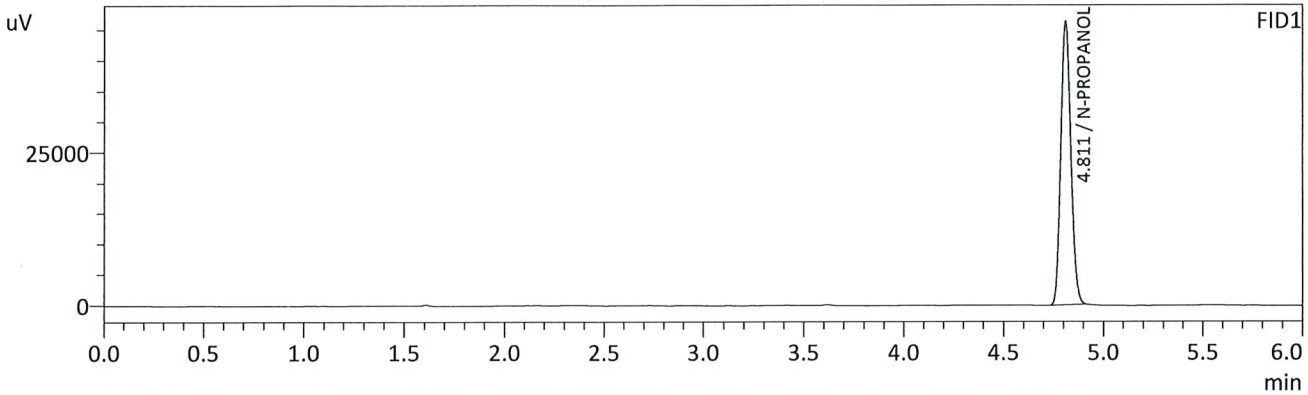
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	148124	42584
DFE	0.0000	g/100cc	849389	530958
TFE	--	g/100cc	--	--

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	158082	60304
DFE	0.0000	g/100cc	880465	553496
TFE	--	g/100cc	--	--

15

Sample Name : INT STD BLK 4
 Vial # : 57
 Data Filename : INT STD BLK 4_622021_057.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 06-02-21 TS_post.gcb
 Date Acquired : 6/2/2021 6:28:21 PM
 Date Processed : 6/3/2021 7:35:22 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	161614	46196
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	171204	65510
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

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_622021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_622021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_622021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_622021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_622021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_622021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_622021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_622021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_622021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_622021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_622021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_622021_012.gcd	0
13	M2021-1933-1-A	0:Unknown	ALCOHOL.gcm	M2021-1933-1-A_622021_013.gcd	0
14	M2021-1933-1-B	0:Unknown	ALCOHOL.gcm	M2021-1933-1-B_622021_014.gcd	0
15	M2021-1934-1-A	0:Unknown	ALCOHOL.gcm	M2021-1934-1-A_622021_015.gcd	0
16	M2021-1934-1-B	0:Unknown	ALCOHOL.gcm	M2021-1934-1-B_622021_016.gcd	0
17	M2021-1985-1-A	0:Unknown	ALCOHOL.gcm	M2021-1985-1-A_622021_017.gcd	0
18	M2021-1985-1-B	0:Unknown	ALCOHOL.gcm	M2021-1985-1-B_622021_018.gcd	0
19	M2021-1987-1-A	0:Unknown	ALCOHOL.gcm	M2021-1987-1-A_622021_019.gcd	0
20	M2021-1987-1-B	0:Unknown	ALCOHOL.gcm	M2021-1987-1-B_622021_020.gcd	0
21	M2021-2093-1-A	0:Unknown	ALCOHOL.gcm	M2021-2093-1-A_622021_021.gcd	0
22	M2021-2093-1-B	0:Unknown	ALCOHOL.gcm	M2021-2093-1-B_622021_022.gcd	0
23	M2021-2163-1-A	0:Unknown	ALCOHOL.gcm	M2021-2163-1-A_622021_023.gcd	0
24	M2021-2163-1-B	0:Unknown	ALCOHOL.gcm	M2021-2163-1-B_622021_024.gcd	0
25	M2021-2164-2-A	0:Unknown	ALCOHOL.gcm	M2021-2164-2-A_622021_025.gcd	0
26	M2021-2164-2-B	0:Unknown	ALCOHOL.gcm	M2021-2164-2-B_622021_026.gcd	0
27	P2021-1431-1-A	0:Unknown	ALCOHOL.gcm	P2021-1431-1-A_622021_027.gcd	0
28	P2021-1431-1-B	0:Unknown	ALCOHOL.gcm	P2021-1431-1-B_622021_028.gcd	0
29	P2021-1468-1-A	0:Unknown	ALCOHOL.gcm	P2021-1468-1-A_622021_029.gcd	0
30	P2021-1468-1-B	0:Unknown	ALCOHOL.gcm	P2021-1468-1-B_622021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_622021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_622021_032.gcd	0
33	P2021-1469-1-A	0:Unknown	ALCOHOL.gcm	P2021-1469-1-A_622021_033.gcd	0
34	P2021-1469-1-B	0:Unknown	ALCOHOL.gcm	P2021-1469-1-B_622021_034.gcd	0
35	P2021-1506-1-A	0:Unknown	ALCOHOL.gcm	P2021-1506-1-A_622021_035.gcd	0
36	P2021-1506-1-B	0:Unknown	ALCOHOL.gcm	P2021-1506-1-B_622021_036.gcd	0
37	P2021-1507-1-A	0:Unknown	ALCOHOL.gcm	P2021-1507-1-A_622021_037.gcd	0
38	P2021-1507-1-B	0:Unknown	ALCOHOL.gcm	P2021-1507-1-B_622021_038.gcd	0
39	P2021-1536-1-A	0:Unknown	ALCOHOL.gcm	P2021-1536-1-A_622021_039.gcd	0
40	P2021-1536-1-B	0:Unknown	ALCOHOL.gcm	P2021-1536-1-B_622021_040.gcd	0
41	P2021-1537-1-A	0:Unknown	ALCOHOL.gcm	P2021-1537-1-A_622021_041.gcd	0
42	P2021-1537-1-B	0:Unknown	ALCOHOL.gcm	P2021-1537-1-B_622021_042.gcd	0
43	P2021-1539-1-A	0:Unknown	ALCOHOL.gcm	P2021-1539-1-A_622021_043.gcd	0
44	P2021-1539-1-B	0:Unknown	ALCOHOL.gcm	P2021-1539-1-B_622021_044.gcd	0
45	P2021-1543-1-A	0:Unknown	ALCOHOL.gcm	P2021-1543-1-A_622021_045.gcd	0
46	P2021-1543-1-B	0:Unknown	ALCOHOL.gcm	P2021-1543-1-B_622021_046.gcd	0
47	P2021-1544-1-A	0:Unknown	ALCOHOL.gcm	P2021-1544-1-A_622021_047.gcd	0
48	P2021-1544-1-B	0:Unknown	ALCOHOL.gcm	P2021-1544-1-B_622021_048.gcd	0
49	P2021-1545-1-A	0:Unknown	ALCOHOL.gcm	P2021-1545-1-A_622021_049.gcd	0
50	P2021-1545-1-B	0:Unknown	ALCOHOL.gcm	P2021-1545-1-B_622021_050.gcd	0
51	P2021-1546-1-A	0:Unknown	ALCOHOL.gcm	P2021-1546-1-A_622021_051.gcd	0
52	P2021-1546-1-B	0:Unknown	ALCOHOL.gcm	P2021-1546-1-B_622021_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_622021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_622021_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_622021_055.gcd	0
56	DFE	0:Unknown	ALCOHOL.gcm	DFE_622021_056.gcd	0
57	INT STD BLK 4	0:Unknown	ALCOHOL.gcm	INT STD BLK 4_622021_057.gcd	0