






















Worklist: 5260

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-4057	1	BCK	Alcohol Analysis	
M2021-4058	1	BCK	Alcohol Analysis	
P2021-2985	1	BCK	BATS Proficiency Test	
P2021-2985	2	BCK	BATS Proficiency Test	
P2021-2985	3	BCK	BATS Proficiency Test	
P2021-2985	4	BCK	BATS Proficiency Test	
P2021-3099	1	BCK	Alcohol Analysis	
P2021-3099	2	BCK	Alcohol Analysis	
P2021-3100	1	BCK	Alcohol Analysis	
P2021-3133	1	BCK	Alcohol Analysis	
P2021-3135	1	BCK	Alcohol Analysis	
P2021-3189	1	BCK	Alcohol Analysis	
P2021-3229	1	BCK	Alcohol Analysis	
P2021-3240	1	BCK	Alcohol Analysis	
P2021-3241	1	BCK	Alcohol Analysis	
P2021-3257	1	BCK	Alcohol Analysis	
P2021-3281	1	BCK	Alcohol Analysis	
P2021-3321	1	BCK	Alcohol Analysis	
P2021-3323	1	CBUK	Alcohol Analysis	
P2021-3326	2	BCK	Alcohol Analysis	
P2021-3332	1	BCK	Alcohol Analysis	

*p2021-3240
Vial B cracked.
Will re-sample &
analyze at a later
date. RC
10/4/21*

RC

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): 10/1/21 Worklist: 5260

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	19077006	0.0764	0.0688-0.0840	0.0748 g/100cc
					0.0777 g/100cc
					g/100cc
Level 2	Jul-23	19077007	0.2170	0.1953-0.2387	0.2088 g/100cc
					0.2129 g/100cc
Multi-Component mixture:					ok
Curve Fit:			Column 1	Lot # FN06041902	
			Column 1	0.99977	Column 2
					0.99960

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0523	0.0536	0.0013	0.0529
100	0.100	0.090 - 0.110	0.1005	0.1003	0.0002	0.1004
200	0.200	0.180 - 0.220	0.1980	0.1968	0.0012	0.1974
300	0.300	0.270 - 0.330	0.2964	0.2959	0.0005	0.2961
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5025	0.5032	0.0007	0.5028

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

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

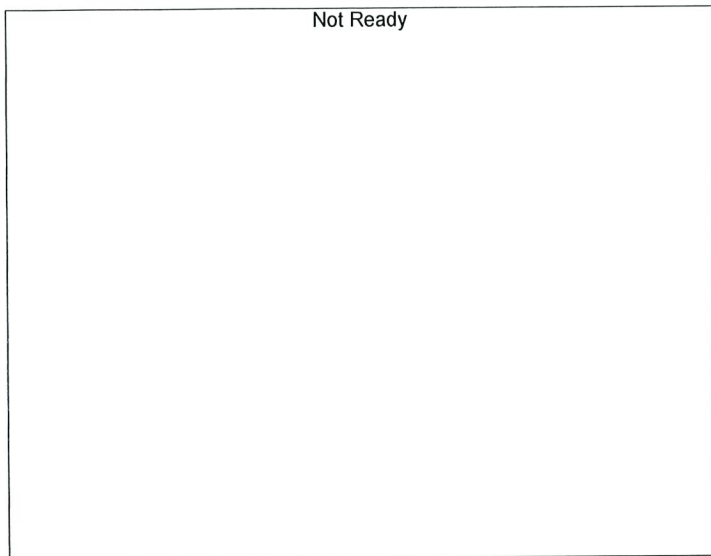
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Calibration Table

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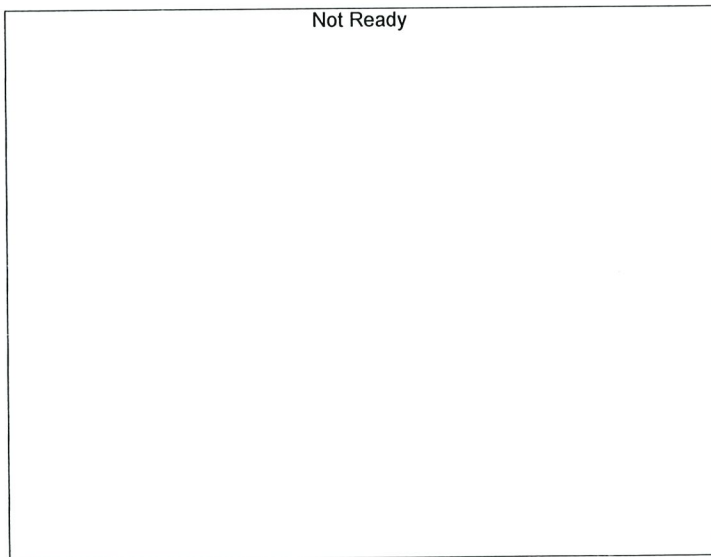
Laboratory: Pocatello
 Instrument Name : GC2030-HS20

<<Data File>>
 Method File :C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm
 Batch File :C:\LabSolutions\Data\2021\10-01-21 RC\10-1-21 BATCH.gcb
 Date Acquired :10/1/2021 3:36:10 PM
 Date Created :10/1/2021 3:33:20 PM
 Date Modified :10/4/2021 8:15:34 AM



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

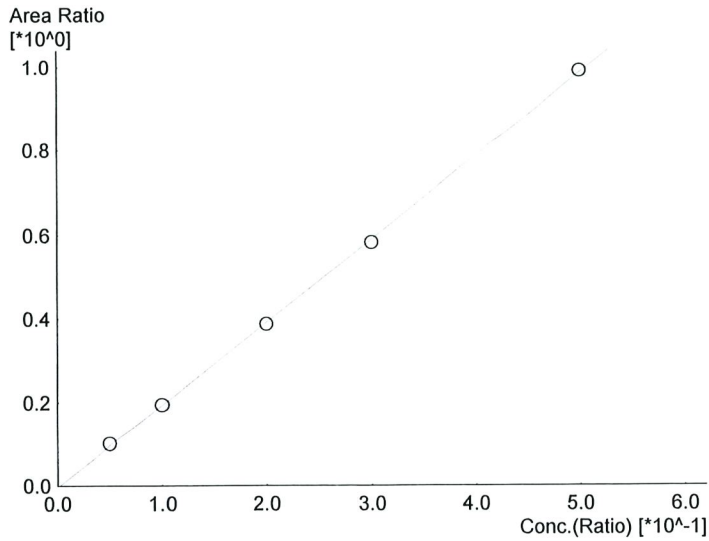
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

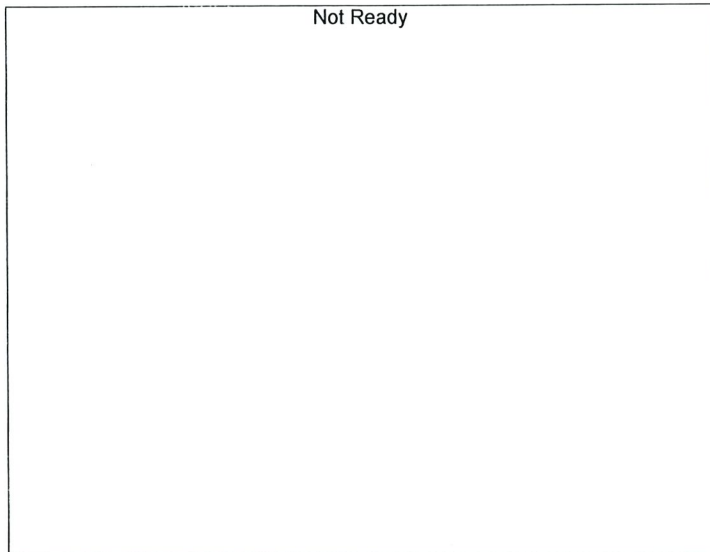
#	Conc.	Area	Std. Conc.
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JFC



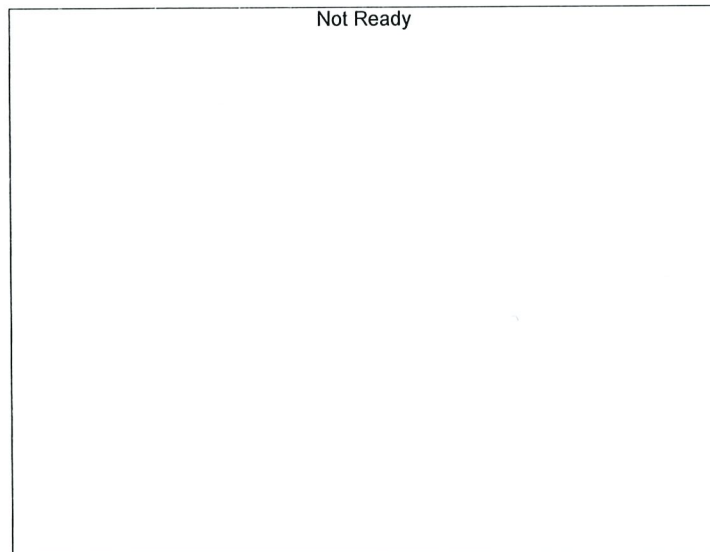
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.97841*x-0.00464228$
 R^2 value= 0.9997740
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14961	0.0523
2	0.100	30642	0.1005
3	0.200	62038	0.1980
4	0.300	94145	0.2964
5	0.500	161624	0.5025



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

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



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

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

Not Ready

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

#	Conc.	Area	Std. Conc.
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Not Ready

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

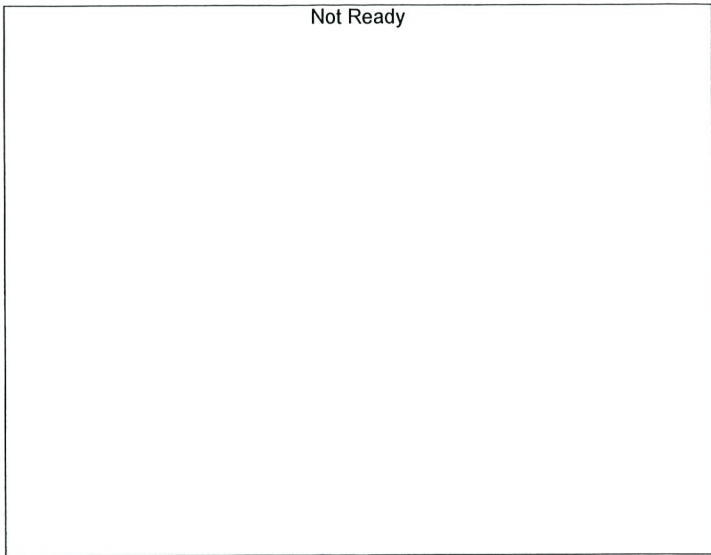
#	Conc.	Area	Std. Conc.
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Not Ready

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

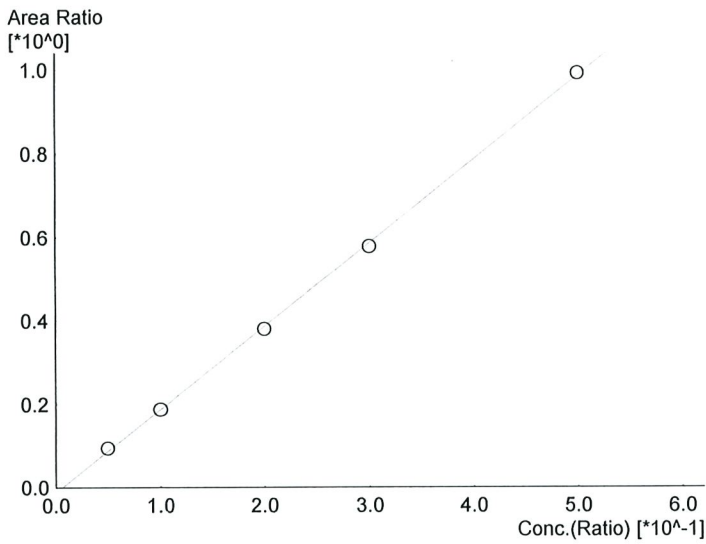
#	Conc.	Area	Std. Conc.
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hc



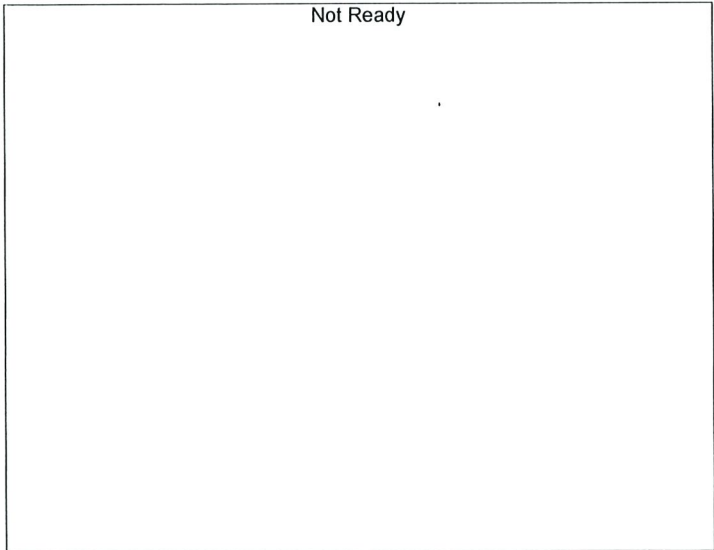
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.99655*x-0.0127979$
 R² value= 0.9996084
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14885	0.0536
2	0.100	30853	0.1003
3	0.200	63505	0.1968
4	0.300	97413	0.2959
5	0.500	168352	0.5032



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

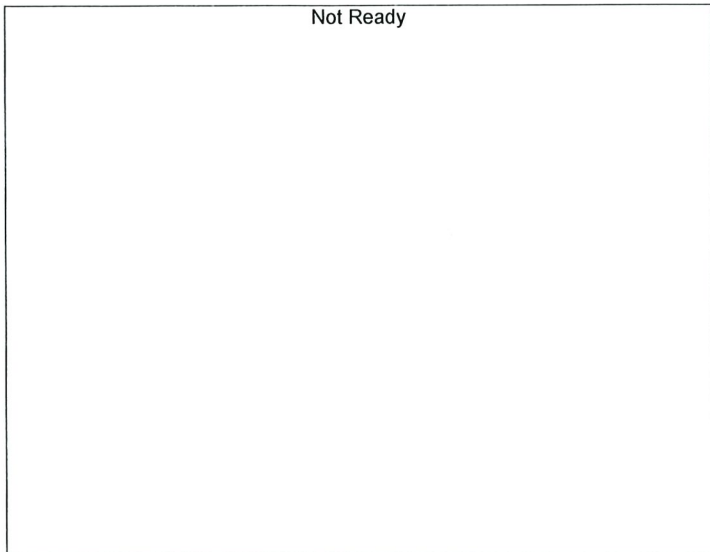
#	Conc.	Area	Std. Conc.
---	-------	------	------------

AC



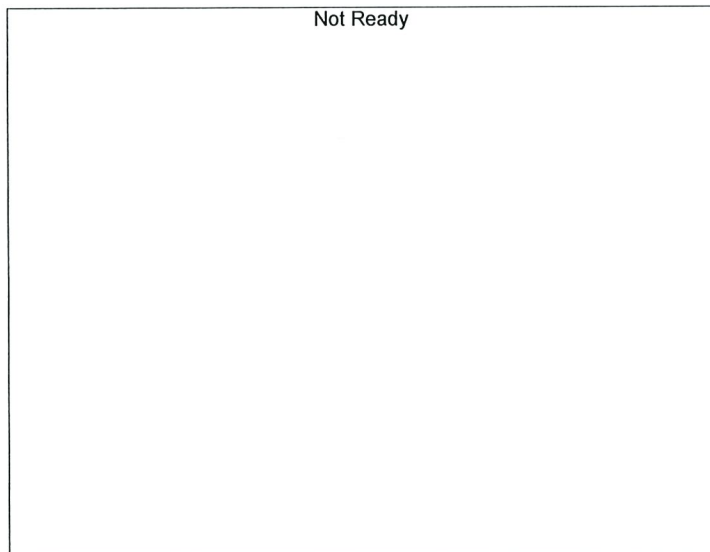
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.
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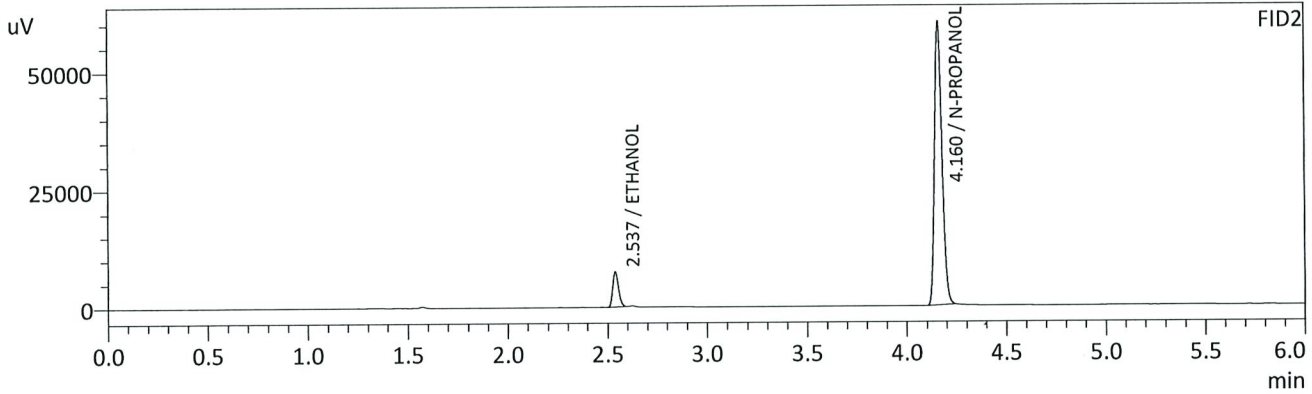
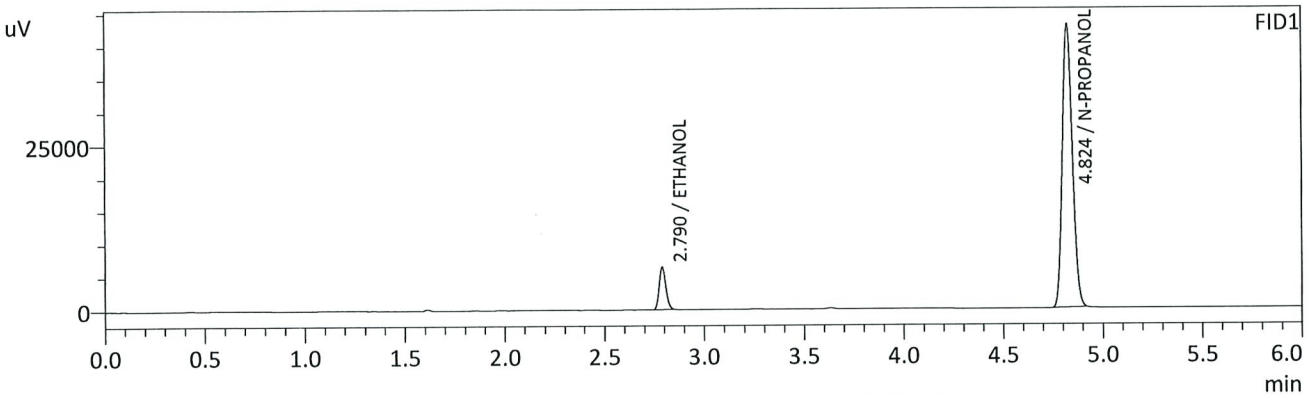


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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hc

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_1012021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:00:54 PM
 Date Processed : 10/4/2021 8:15:28 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

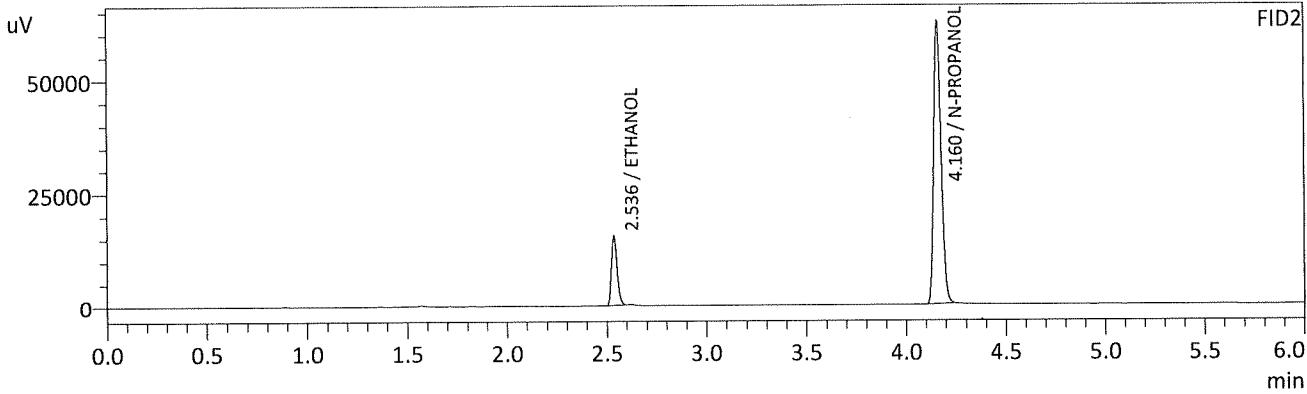
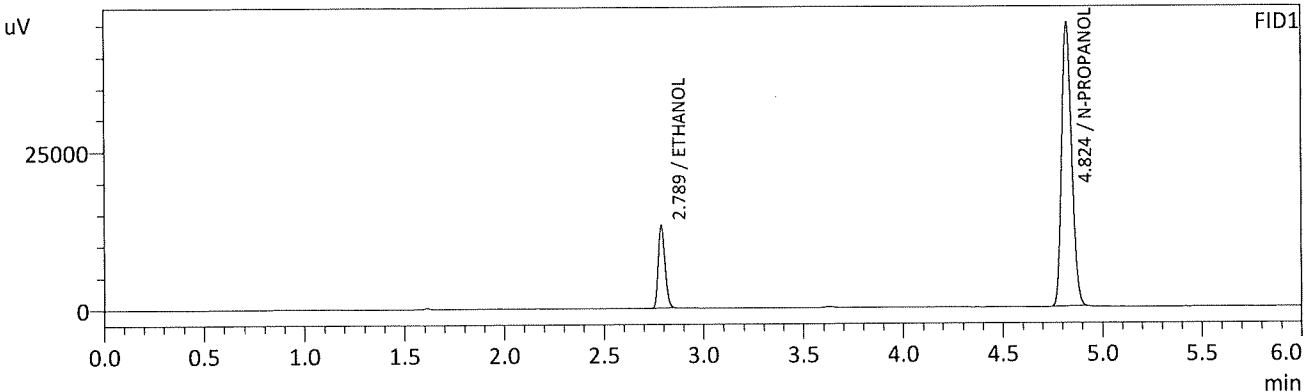
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0523	g/100cc	14961	6356
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	151160	42982
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0536	g/100cc	14885	7427
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157938	60015
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

hc

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_1012021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:09:31 PM
 Date Processed : 10/4/2021 8:15:30 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

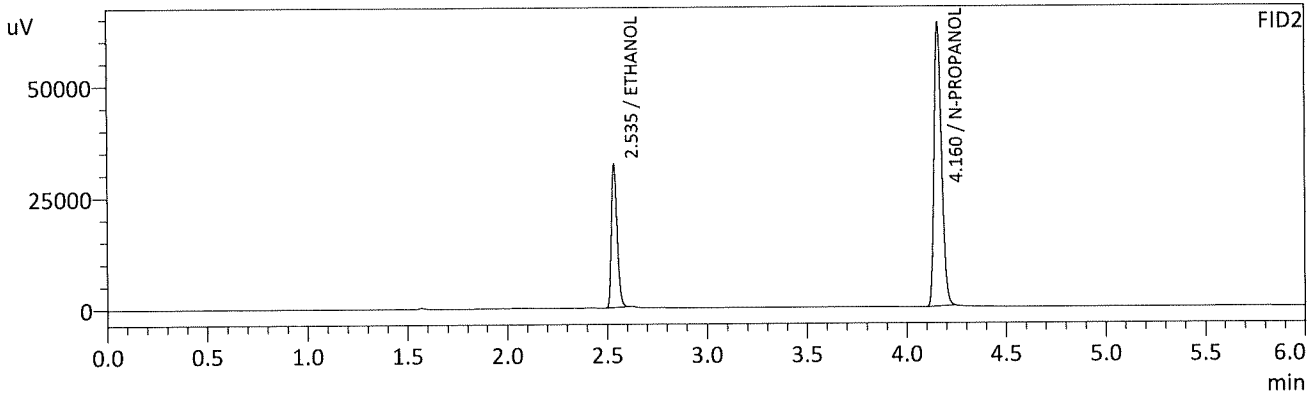
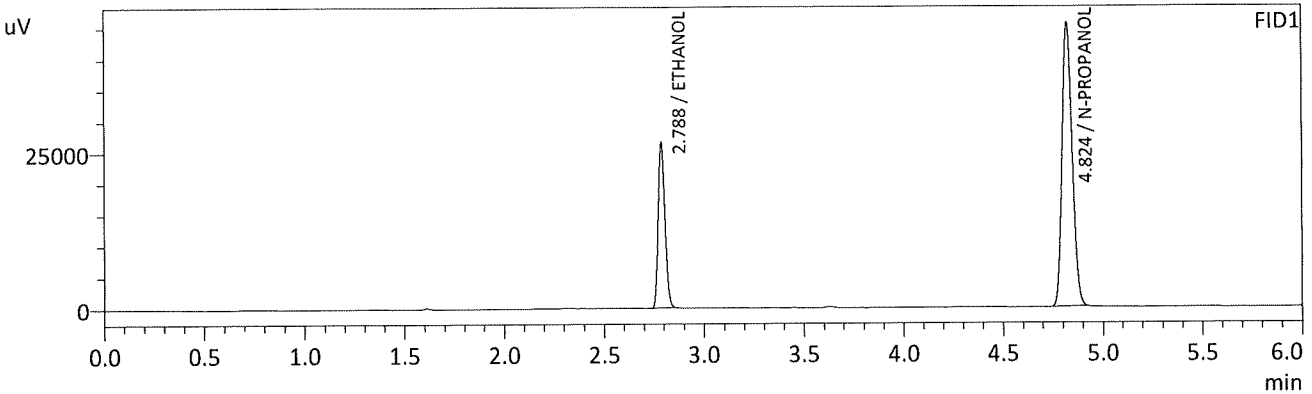
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	30642	13061
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157649	44967
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	30853	15415
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164573	62385
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_1012021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:18:26 PM
 Date Processed : 10/4/2021 8:15:32 AM
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FID1

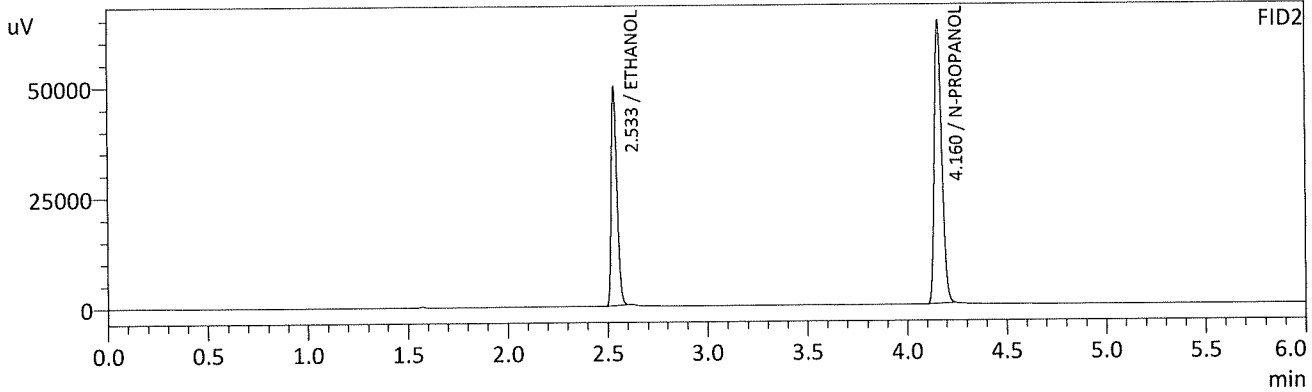
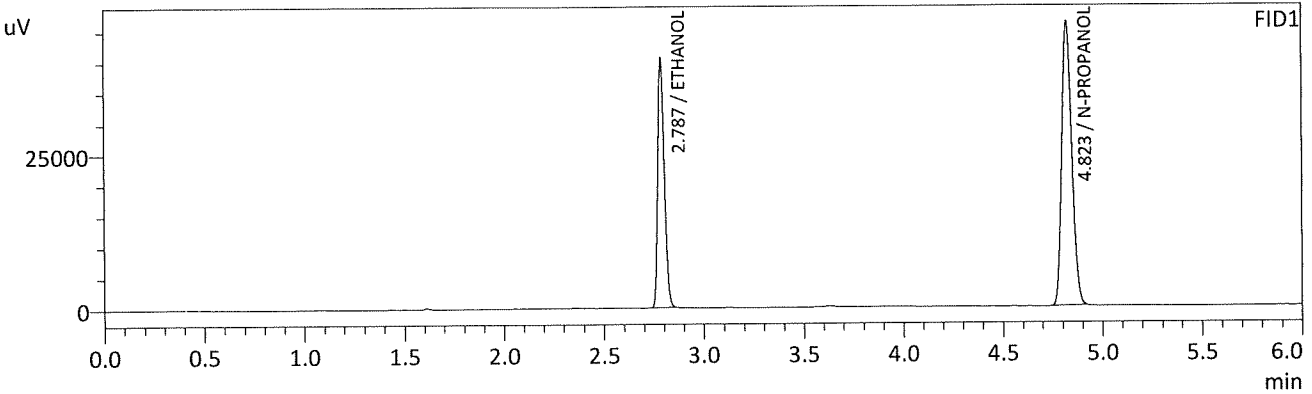
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1980	g/100cc	62038	26535
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160269	45597
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1968	g/100cc	63505	31599
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166987	63541
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_1012021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:27:12 PM
 Date Processed : 10/4/2021 8:15:33 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

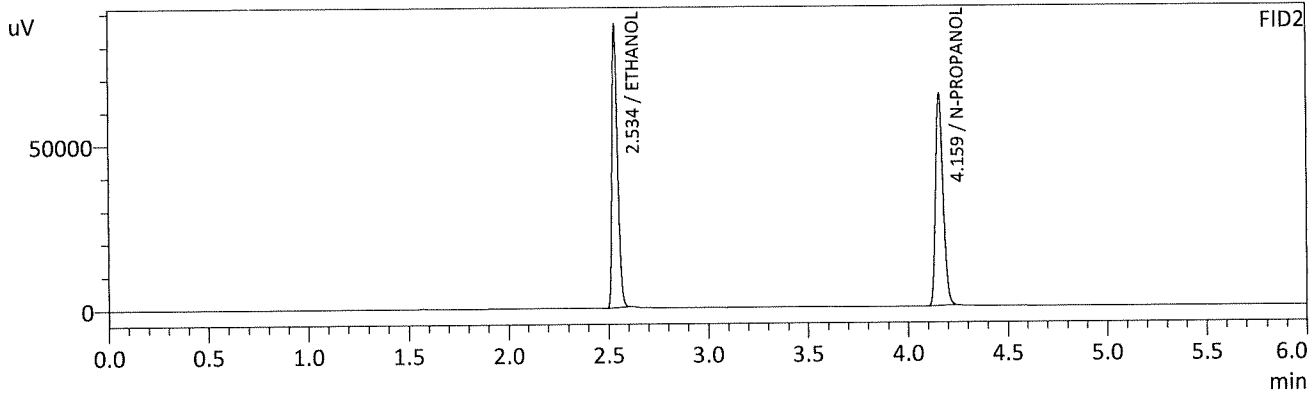
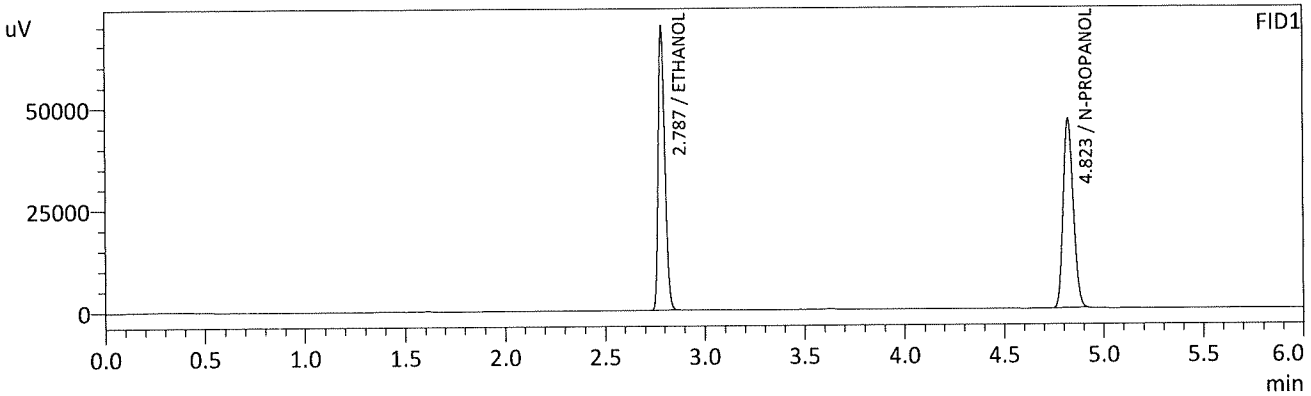
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2964	g/100cc	94145	40301
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161787	46181
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2959	g/100cc	97413	49199
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168527	63808
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

chc

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_1012021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:36:10 PM
 Date Processed : 10/4/2021 8:15:34 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

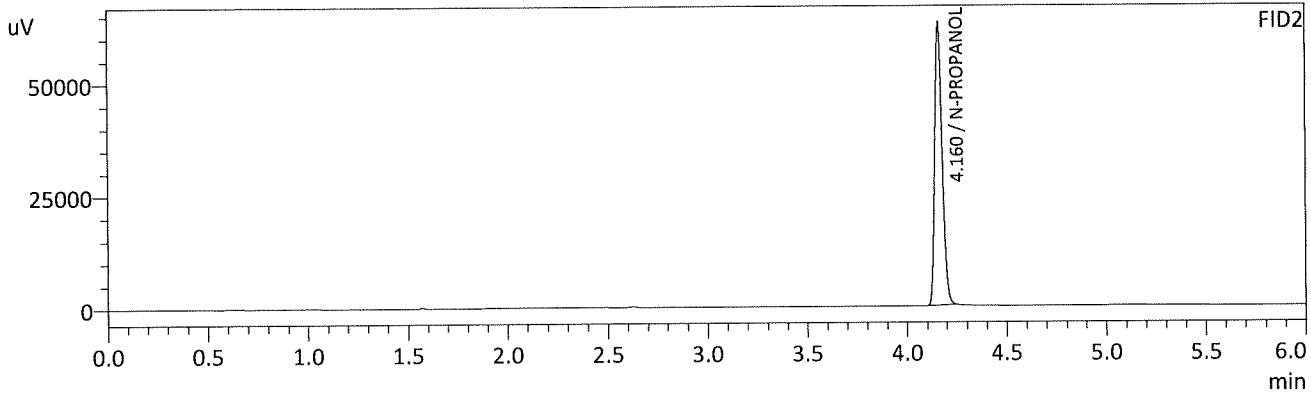
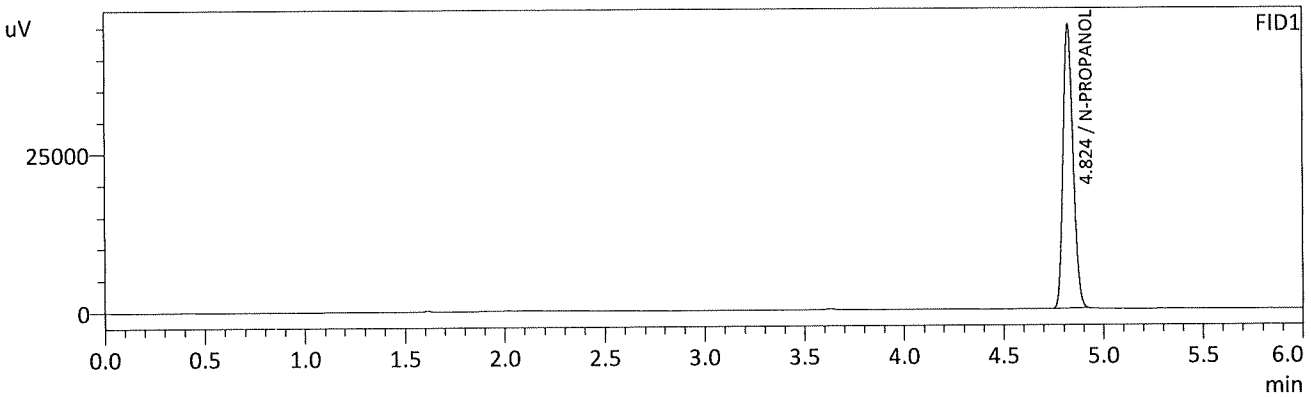
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5025	g/100cc	161624	69350
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163319	46557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5032	g/100cc	168352	85337
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169709	64340
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_1012021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:45:21 PM
 Date Processed : 10/4/2021 8:15:37 AM
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FID1

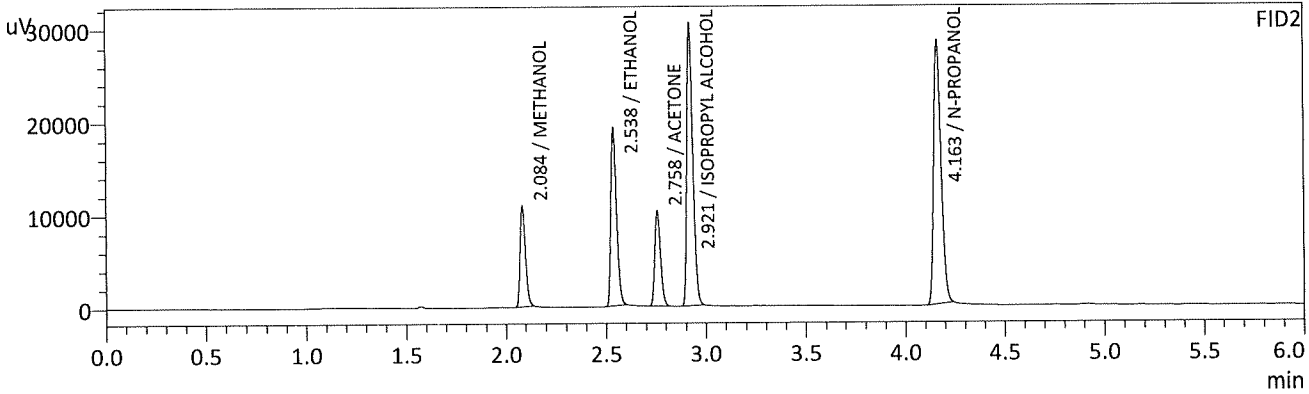
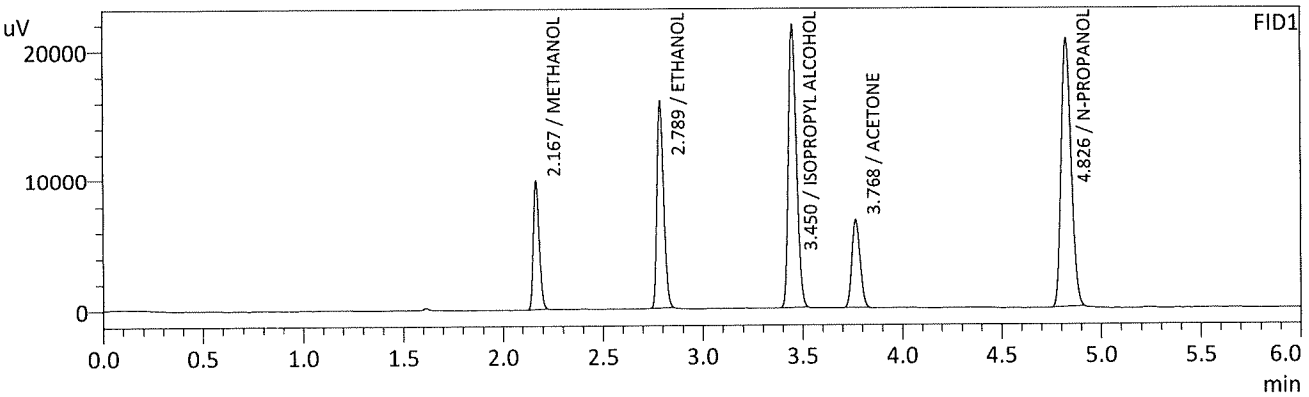
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	157903	45000
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	165200	62954
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_1012021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 3:53:53 PM
 Date Processed : 10/4/2021 8:15:38 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

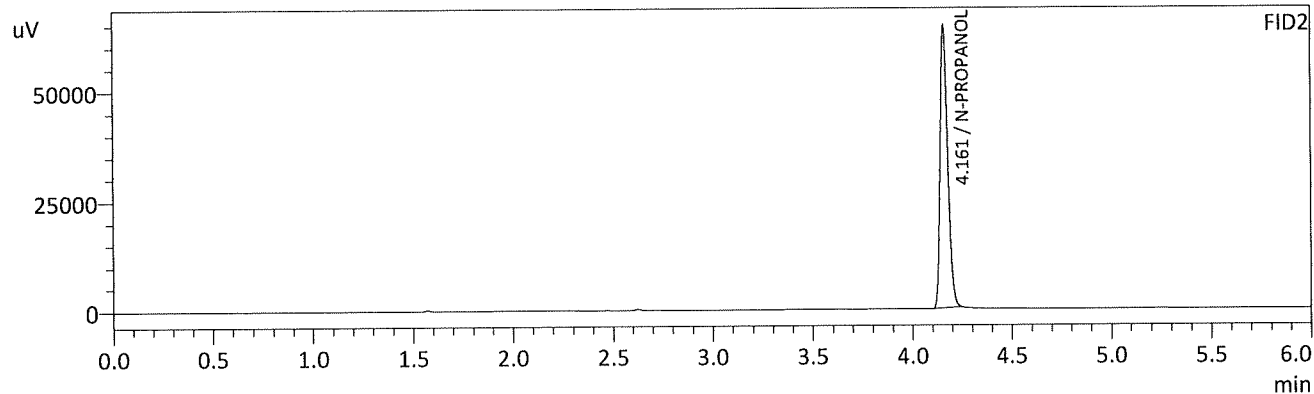
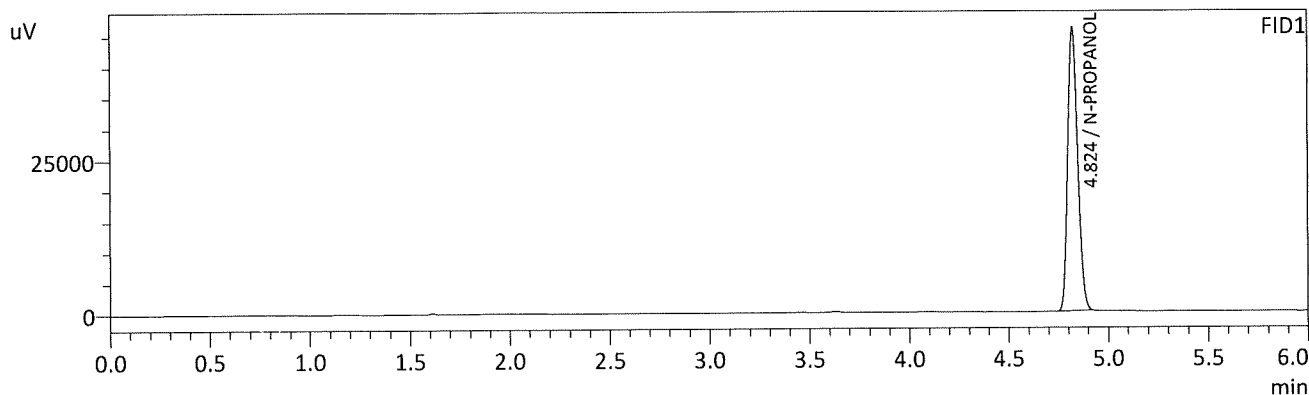
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	19924	9790
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2597	g/100cc	36953	15926
ISOPROPYL ALCOHOL	0.0000	g/100cc	60899	21779
ACETONE	0.0000	g/100cc	19231	6734
N-PROPANOL	0.0000	g/100cc	72560	20648
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	20283	10837
ETHANOL	0.2593	g/100cc	37758	18934
ACETONE	0.0000	g/100cc	20544	10148
ISOPROPYL ALCOHOL	0.0000	g/100cc	63496	29957
N-PROPANOL	0.0000	g/100cc	74778	28135
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YRC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_1012021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 4:03:04 PM
 Date Processed : 10/4/2021 8:15:39 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



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	161658	46090
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	169195	64423
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 10/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0747	0.0749	0.0002	0.0748	0.0001	0.0748
(g/100cc)	0.0749	0.0749	0.0000	0.0749		

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
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

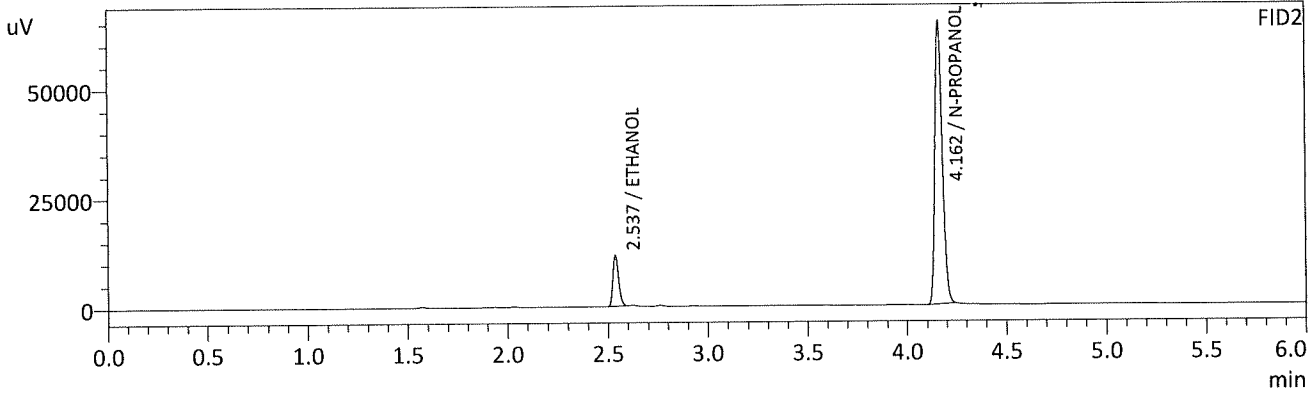
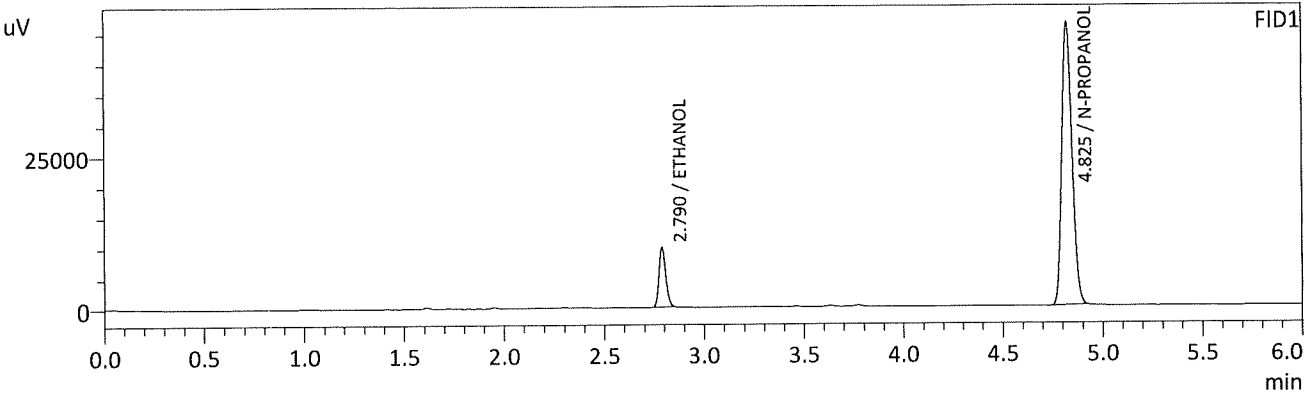


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_1012021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 4:11:44 PM
 Date Processed : 10/4/2021 8:15:40 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

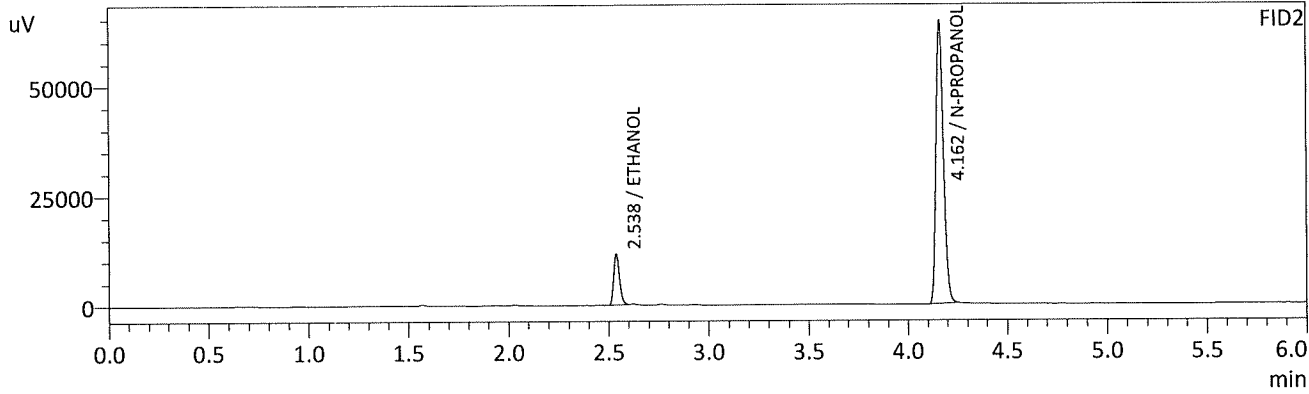
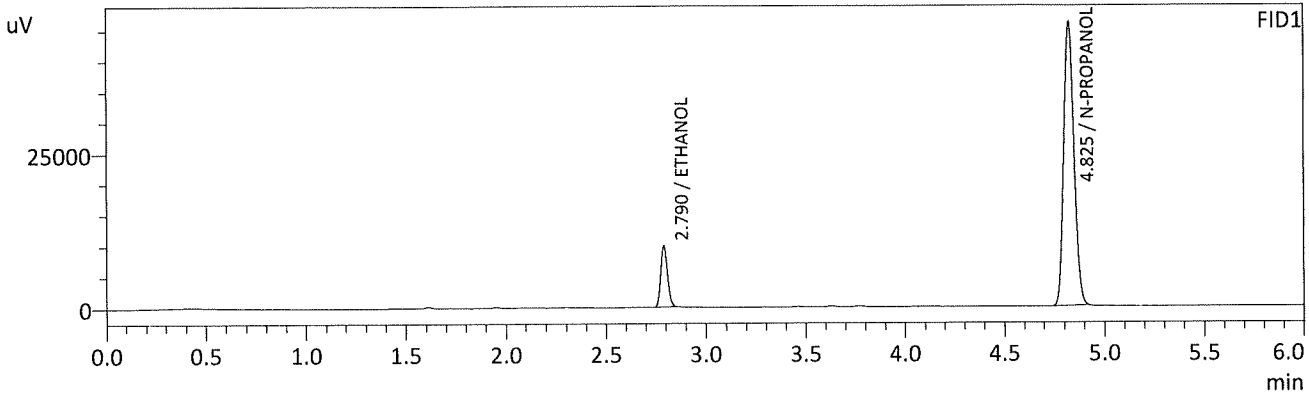
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0747	g/100cc	23385	9908
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163246	46349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	23361	11650
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170724	64608
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_1012021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 4:20:29 PM
 Date Processed : 10/4/2021 8:15:41 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	23229	9860
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161826	46029
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	23196	11546
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169432	64039
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YHC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Analysis Date(s): 10/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0817	0.0002	0.0818	0.0011	0.0812
(g/100cc)	0.0808	0.0806	0.0002	0.0807		

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.

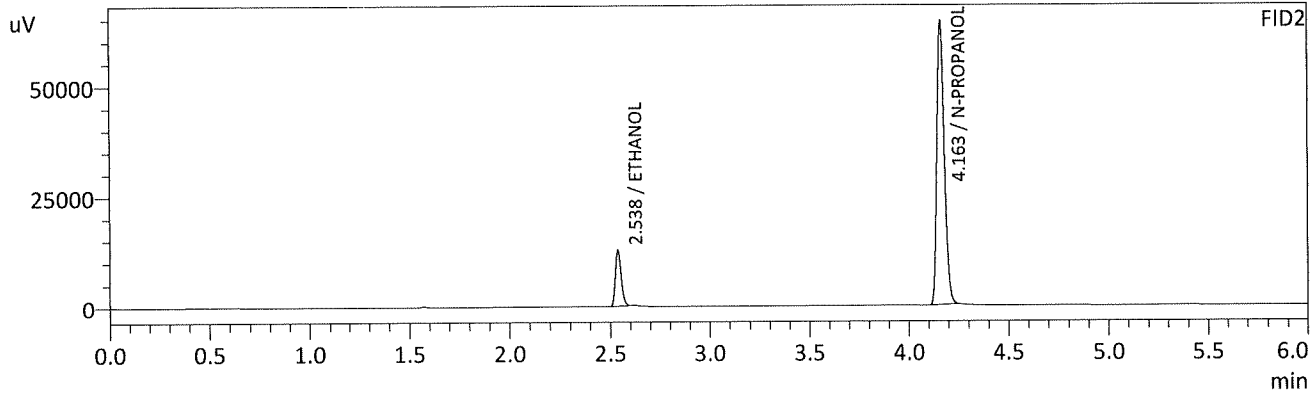
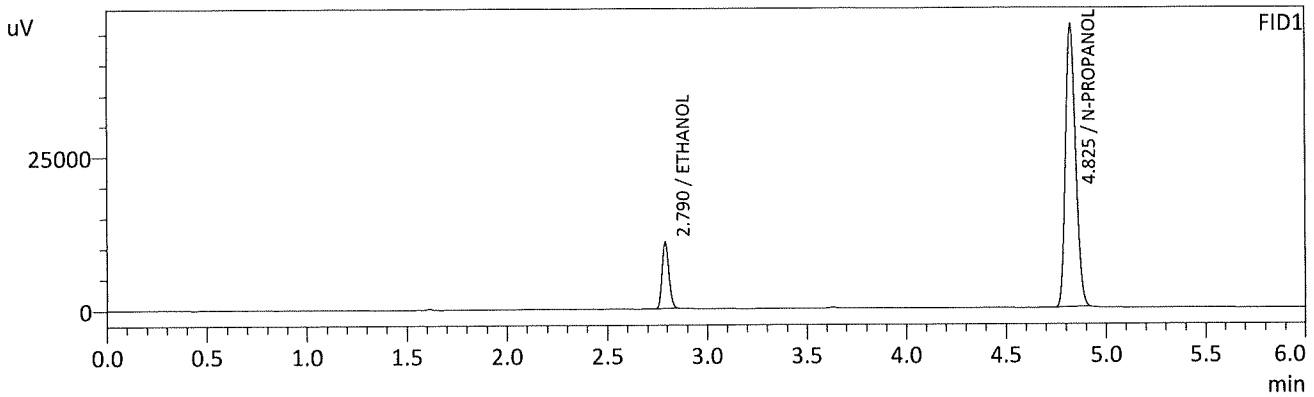


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_1012021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 4:29:25 PM
 Date Processed : 10/4/2021 8:15:43 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

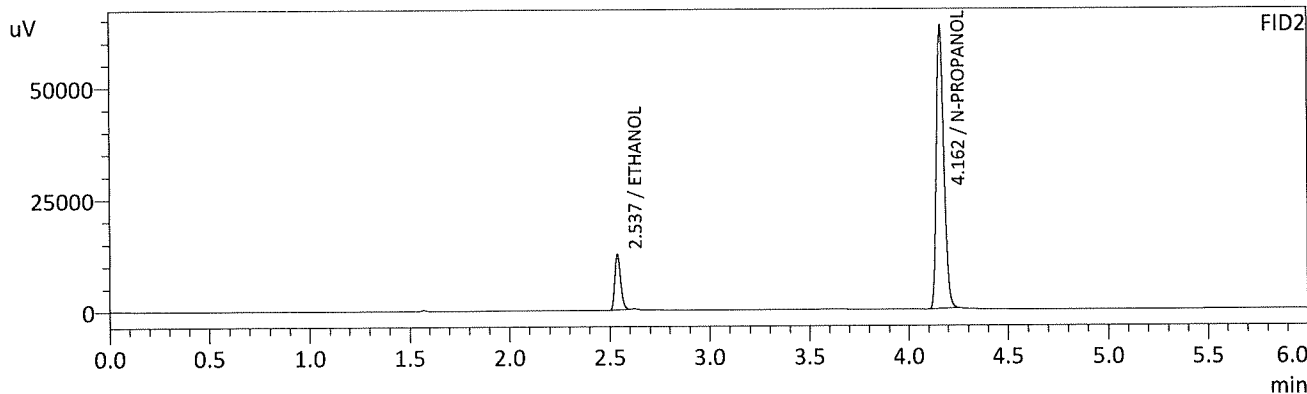
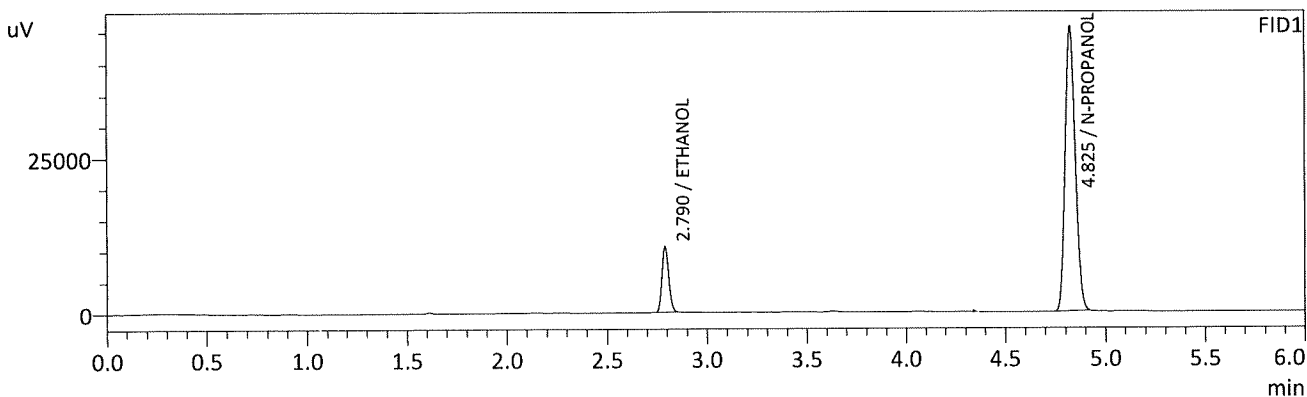
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	25477	10781
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161695	46040
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	25412	12602
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168991	63711
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_1012021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 4:38:19 PM
 Date Processed : 10/4/2021 8:15:44 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	24825	10510
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159937	45527
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	24841	12381
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167569	63095
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 10/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2090	0.2082	0.0008	0.2086	0.0004	0.2088
(g/100cc)	0.2096	0.2084	0.0012	0.2090		

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
0.208	0.197	0.219	0.011

Reported Result	
0.208	

Calibration and control data are stored centrally.

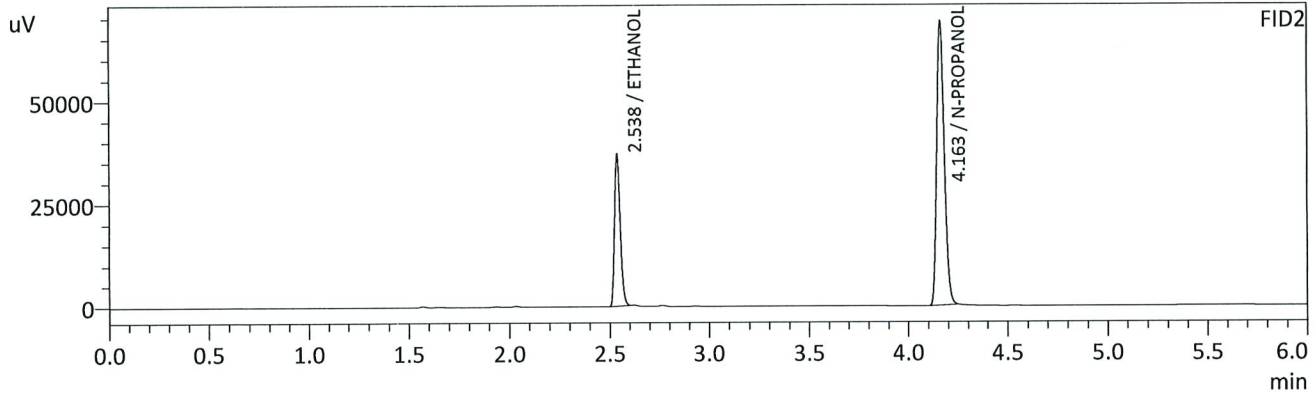
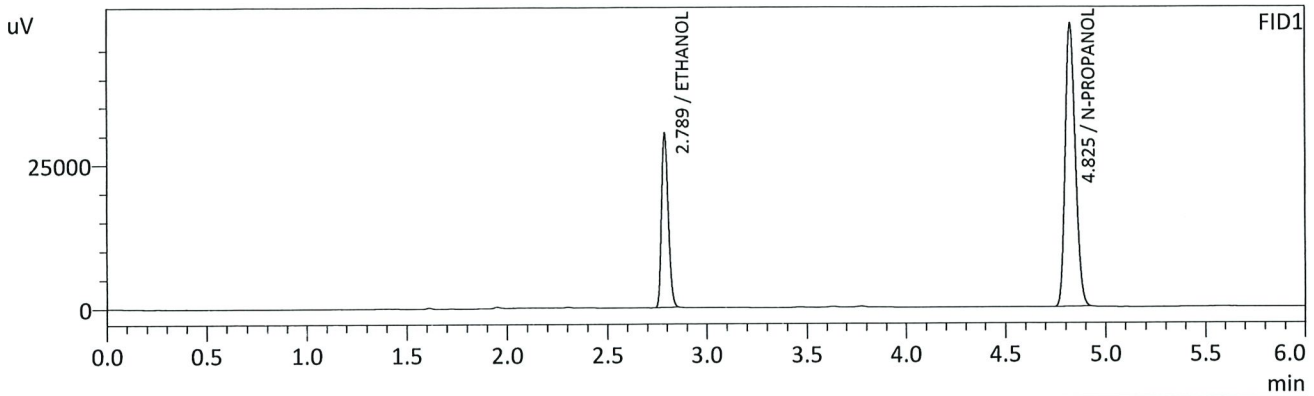


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_1012021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 7:26:28 PM
 Date Processed : 10/4/2021 8:16:11 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

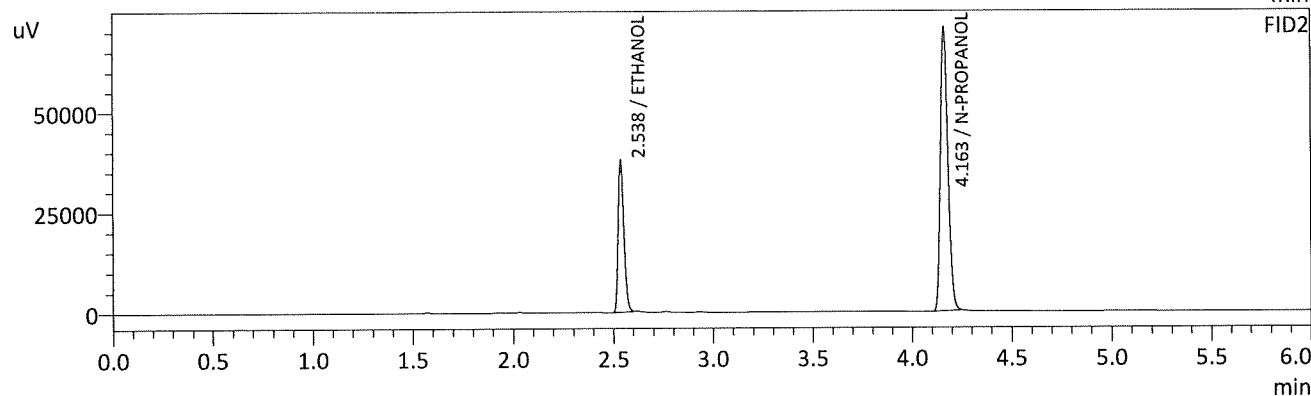
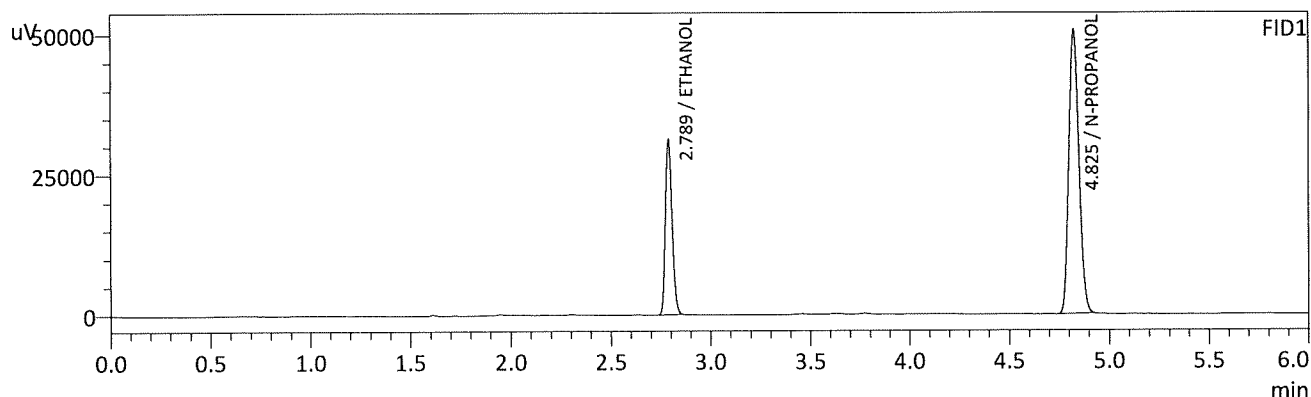
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2090	g/100cc	71119	30385
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173910	49373
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2082	g/100cc	73041	36797
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181211	68321
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_1012021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 7:35:28 PM
 Date Processed : 10/4/2021 8:16:13 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2096	g/100cc	72952	31179
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177903	50612
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2084	g/100cc	74899	37693
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185695	70308
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 10/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0778	0.0779	0.0001	0.0778	0.0002	0.0777
(g/100cc)	0.0775	0.0778	0.0003	0.0776		

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.

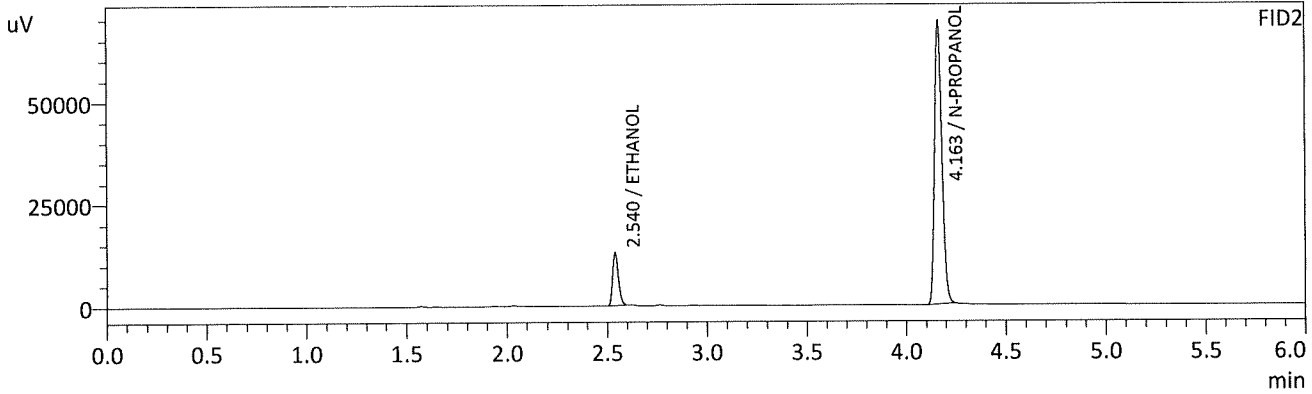
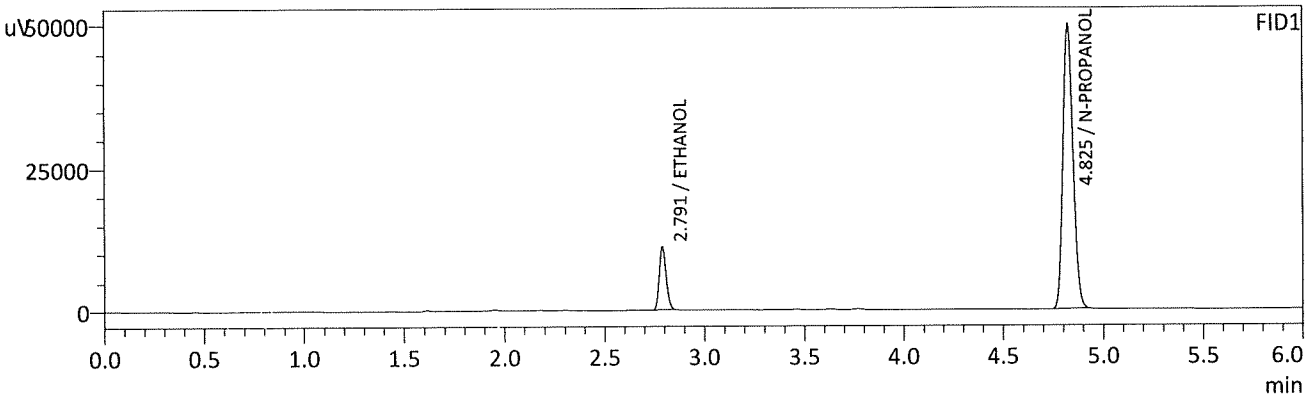


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 Vial # : 53
 Data Filename : QC1-2-A_1012021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 10:41:51 PM
 Date Processed : 10/4/2021 8:16:41 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

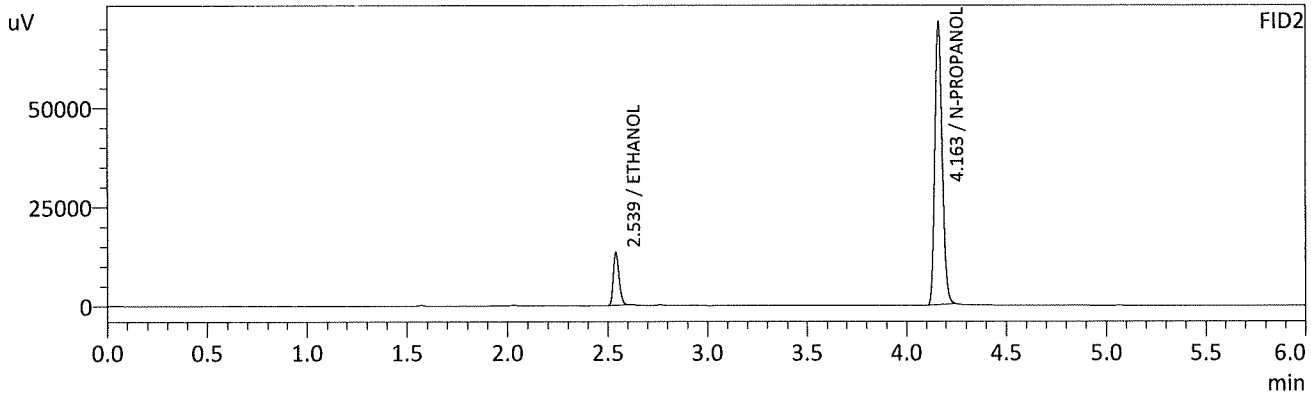
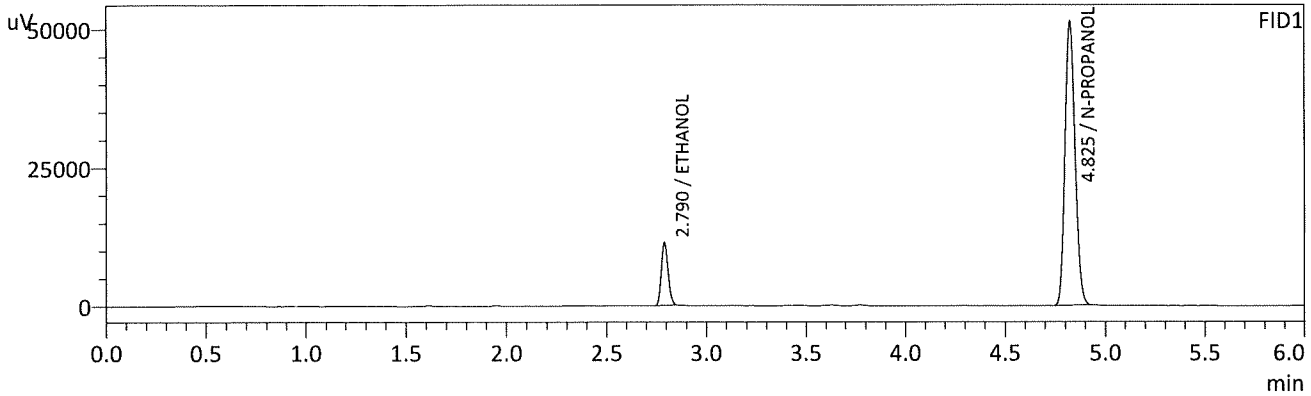
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	26031	10990
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174349	49633
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0779	g/100cc	25932	12835
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181677	68668
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_1012021_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 10:50:11 PM
 Date Processed : 10/4/2021 8:16:42 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0775	g/100cc	26694	11298
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179336	51144
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0778	g/100cc	26708	13157
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187321	70954
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 10/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2134	0.2123	0.0011	0.2128	0.0002	0.2129
(g/100cc)	0.2136	0.2125	0.0011	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
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	

Calibration and control data are stored centrally.

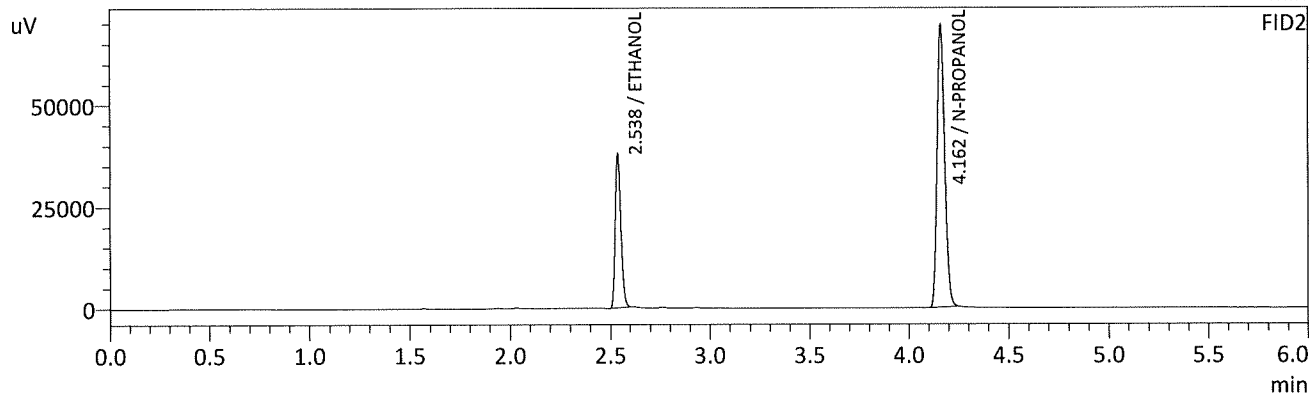
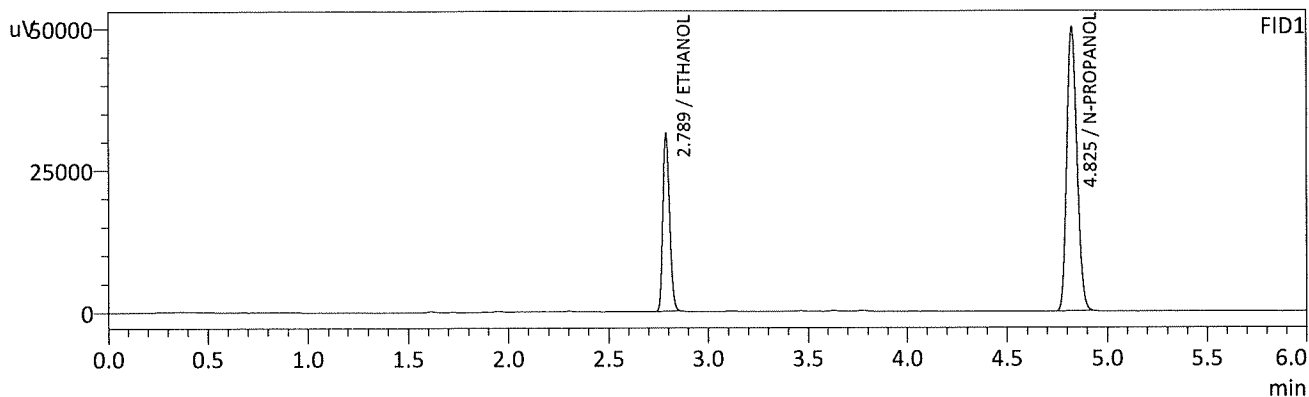


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC2-2-A
 Vial # : 59
 Data Filename : QC2-2-A_1012021_059.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 11:34:17 PM
 Date Processed : 10/4/2021 8:16:48 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

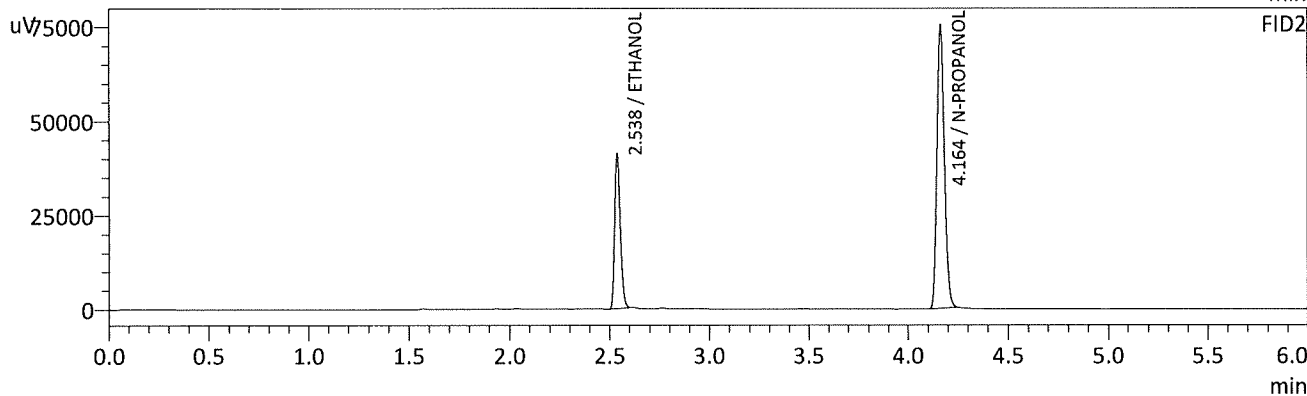
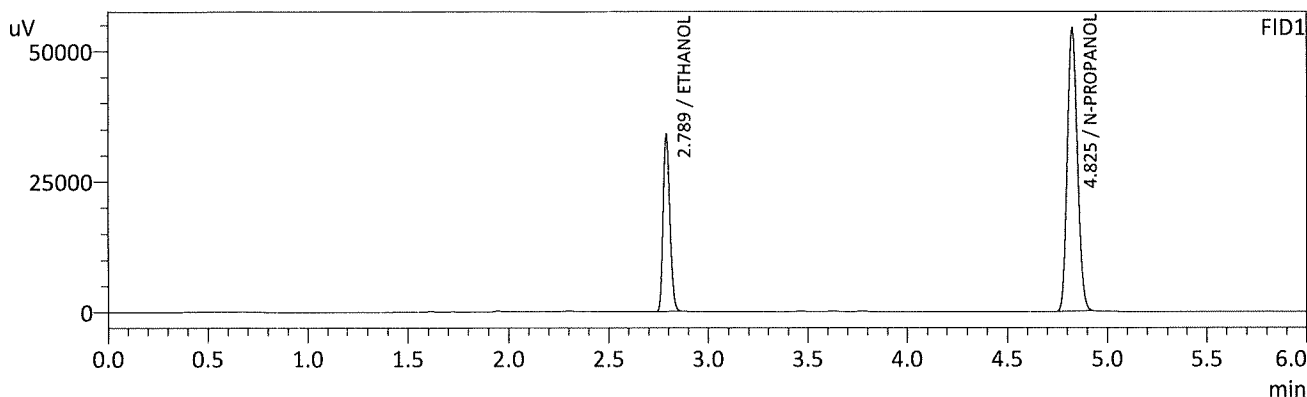
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2134	g/100cc	73131	31271
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175090	49937
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2123	g/100cc	74886	37682
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182167	69120
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

BC

Sample Name : QC2-2-B
 Vial # : 60
 Data Filename : QC2-2-B_1012021_060.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 11:42:58 PM
 Date Processed : 10/4/2021 8:16:49 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



FID1

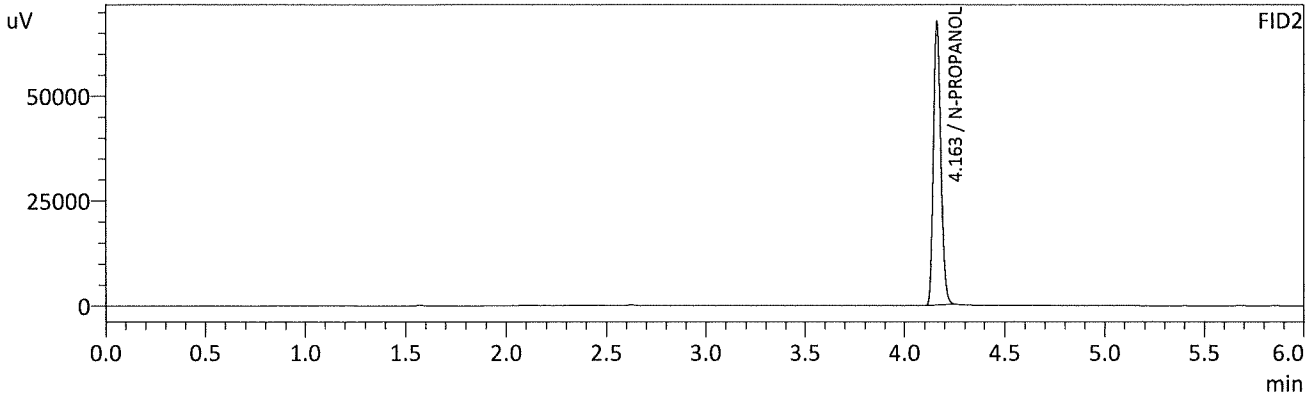
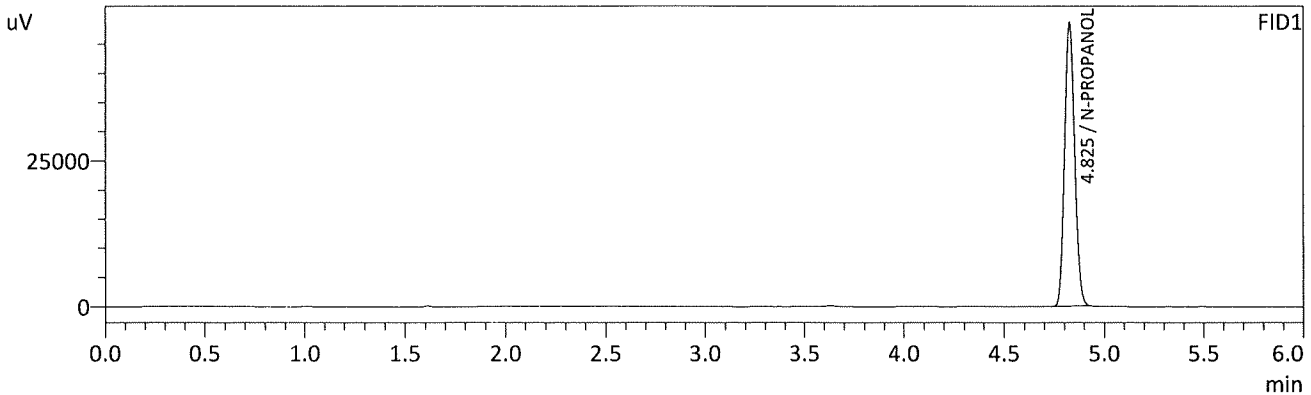
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2136	g/100cc	79255	33832
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189622	54048
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2125	g/100cc	81133	40601
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197172	74809
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CAC

Sample Name : INT STD BLK 3
 Vial # : 61
 Data Filename : INT STD BLK 3_1012021_061.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 10-1-21 BATCH.gcb
 Date Acquired : 10/1/2021 11:51:54 PM
 Date Processed : 10/4/2021 8:16:50 AM
 C:\LabSolutions\Data\2021\10-01-21 RC\ALCOHOL.gcm



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	169958	48407
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	177690	67080
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

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:(R)	ALCOHOL.gcm	0.050_1012021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_1012021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_1012021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_1012021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_1012021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_1012021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1012021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_1012021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_1012021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_1012021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_1012021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_1012021_012.gcd	0
13	P2021-2985-1-A	0:Unknown	ALCOHOL.gcm	P2021-2985-1-A_1012021_013.gcd	0
14	P2021-2985-1-B	0:Unknown	ALCOHOL.gcm	P2021-2985-1-B_1012021_014.gcd	0
15	P2021-2985-2-A	0:Unknown	ALCOHOL.gcm	P2021-2985-2-A_1012021_015.gcd	0
16	P2021-2985-2-B	0:Unknown	ALCOHOL.gcm	P2021-2985-2-B_1012021_016.gcd	0
17	P2021-2985-3-A	0:Unknown	ALCOHOL.gcm	P2021-2985-3-A_1012021_017.gcd	0
18	P2021-2985-3-B	0:Unknown	ALCOHOL.gcm	P2021-2985-3-B_1012021_018.gcd	0
19	P2021-2985-4-A	0:Unknown	ALCOHOL.gcm	P2021-2985-4-A_1012021_019.gcd	0
20	P2021-2985-4-B	0:Unknown	ALCOHOL.gcm	P2021-2985-4-B_1012021_020.gcd	0
21	P2021-3099-1-A	0:Unknown	ALCOHOL.gcm	P2021-3099-1-A_1012021_021.gcd	0
22	P2021-3099-1-B	0:Unknown	ALCOHOL.gcm	P2021-3099-1-B_1012021_022.gcd	0
23	P2021-3099-2-A	0:Unknown	ALCOHOL.gcm	P2021-3099-2-A_1012021_023.gcd	0
24	P2021-3099-2-B	0:Unknown	ALCOHOL.gcm	P2021-3099-2-B_1012021_024.gcd	0
25	P2021-3100-1-A	0:Unknown	ALCOHOL.gcm	P2021-3100-1-A_1012021_025.gcd	0
26	P2021-3100-1-B	0:Unknown	ALCOHOL.gcm	P2021-3100-1-B_1012021_026.gcd	0
27	P2021-3133-1-A	0:Unknown	ALCOHOL.gcm	P2021-3133-1-A_1012021_027.gcd	0
28	P2021-3133-1-B	0:Unknown	ALCOHOL.gcm	P2021-3133-1-B_1012021_028.gcd	0
29	P2021-3135-1-A	0:Unknown	ALCOHOL.gcm	P2021-3135-1-A_1012021_029.gcd	0
30	P2021-3135-1-B	0:Unknown	ALCOHOL.gcm	P2021-3135-1-B_1012021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_1012021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_1012021_032.gcd	0
33	M2021-4057-1-A	0:Unknown	ALCOHOL.gcm	M2021-4057-1-A_1012021_033.gcd	0
34	M2021-4057-1-B	0:Unknown	ALCOHOL.gcm	M2021-4057-1-B_1012021_034.gcd	0
35	M2021-4058-1-A	0:Unknown	ALCOHOL.gcm	M2021-4058-1-A_1012021_035.gcd	0
36	M2021-4058-1-B	0:Unknown	ALCOHOL.gcm	M2021-4058-1-B_1012021_036.gcd	0
37	P2021-3189-1-A	0:Unknown	ALCOHOL.gcm	P2021-3189-1-A_1012021_037.gcd	0
38	P2021-3189-1-B	0:Unknown	ALCOHOL.gcm	P2021-3189-1-B_1012021_038.gcd	0
39	P2021-3229-1-A	0:Unknown	ALCOHOL.gcm	P2021-3229-1-A_1012021_039.gcd	0
40	P2021-3229-1-B	0:Unknown	ALCOHOL.gcm	P2021-3229-1-B_1012021_040.gcd	0
41	P2021-3240-1-A	0:Unknown	ALCOHOL.gcm	P2021-3240-1-A_1012021_041.gcd	0
42	P2021-3240-1-B	0:Unknown	ALCOHOL.gcm	P2021-3240-1-B_1012021_042.gcd	0
43	P2021-3241-1-A	0:Unknown	ALCOHOL.gcm	P2021-3241-1-A_1012021_043.gcd	0
44	P2021-3241-1-B	0:Unknown	ALCOHOL.gcm	P2021-3241-1-B_1012021_044.gcd	0
45	P2021-3257-1-A	0:Unknown	ALCOHOL.gcm	P2021-3257-1-A_1012021_045.gcd	0
46	P2021-3257-1-B	0:Unknown	ALCOHOL.gcm	P2021-3257-1-B_1012021_046.gcd	0
47	P2021-3281-1-A	0:Unknown	ALCOHOL.gcm	P2021-3281-1-A_1012021_047.gcd	0
48	P2021-3281-1-B	0:Unknown	ALCOHOL.gcm	P2021-3281-1-B_1012021_048.gcd	0
49	P2021-3321-1-A	0:Unknown	ALCOHOL.gcm	P2021-3321-1-A_1012021_049.gcd	0
50	P2021-3321-1-B	0:Unknown	ALCOHOL.gcm	P2021-3321-1-B_1012021_050.gcd	0
51	P2021-3323-1-A	0:Unknown	ALCOHOL.gcm	P2021-3323-1-A_1012021_051.gcd	0
52	P2021-3323-1-B	0:Unknown	ALCOHOL.gcm	P2021-3323-1-B_1012021_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_1012021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_1012021_054.gcd	0
55	P2021-3326-2-A	0:Unknown	ALCOHOL.gcm	P2021-3326-2-A_1012021_055.gcd	0
56	P2021-3326-2-B	0:Unknown	ALCOHOL.gcm	P2021-3326-2-B_1012021_056.gcd	0
57	P2021-3332-1-A	0:Unknown	ALCOHOL.gcm	P2021-3332-1-A_1012021_057.gcd	0
58	P2021-3332-1-B	0:Unknown	ALCOHOL.gcm	P2021-3332-1-B_1012021_058.gcd	0
59	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_1012021_059.gcd	0
60	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_1012021_060.gcd	0
61	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_1012021_061.gcd	0