

REVIEWED

By Jeremy Johnston at 11:47 am, Sep 05, 2021

9/2/2021

Worklist: 5211

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-2543	1	BCK	Alcohol Analysis	
P2021-2699	1	BCK	Alcohol Analysis	
P2021-2709	1	BCK	Alcohol Analysis	
P2021-2712	1	BCK	Alcohol Analysis	
P2021-2715	1	BCK	Alcohol Analysis	
P2021-2724	1	BCK	Alcohol Analysis	
P2021-2729	1	BCK	Alcohol Analysis	
P2021-2737	1	BCK	Alcohol Analysis	
P2021-2738	1	BCK	Alcohol Analysis	
P2021-2762	1	BCK	Alcohol Analysis	
P2021-2763	1	BCK	Alcohol Analysis	
P2021-2767	1	BCK	Alcohol Analysis	
P2021-2768	1	BCK	Alcohol Analysis	
P2021-2786	1	BCK	Alcohol Analysis	
P2021-2803	1	BCK	Alcohol Analysis	
P2021-2804	1	BCK	Alcohol Analysis	
P2021-2805	1	BCK	Alcohol Analysis	
P2021-2806	1	BCK	Alcohol Analysis	
P2021-2809	1	BCK	Alcohol Analysis	
P2021-2817	1	BCK	Alcohol Analysis	
P2021-2818	1	BCK	Alcohol Analysis	

JHC

Worklist: 5211

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2822	1	BCK	Alcohol Analysis
P2021-2824	1	BCK	Alcohol Analysis



HC

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): 9/1/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0754 g/100cc
					0.0776 g/100cc
					0.2118 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2129 g/100cc
					g/100cc
Multi-Component mixture:					ok
Curve Fit:					
		Column 1	Lot #	Column 2	
			0.99990		0.99970

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0521	0.0536	0.0015	0.0528
100	0.100	0.090 - 0.110	0.0998	0.0996	0.0002	0.0997
200	0.200	0.180 - 0.220	0.1977	0.1964	0.0013	0.197
300	0.300	0.270 - 0.330	0.2989	0.2976	0.0013	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5025	0.0012	0.5019

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

Revision: 2

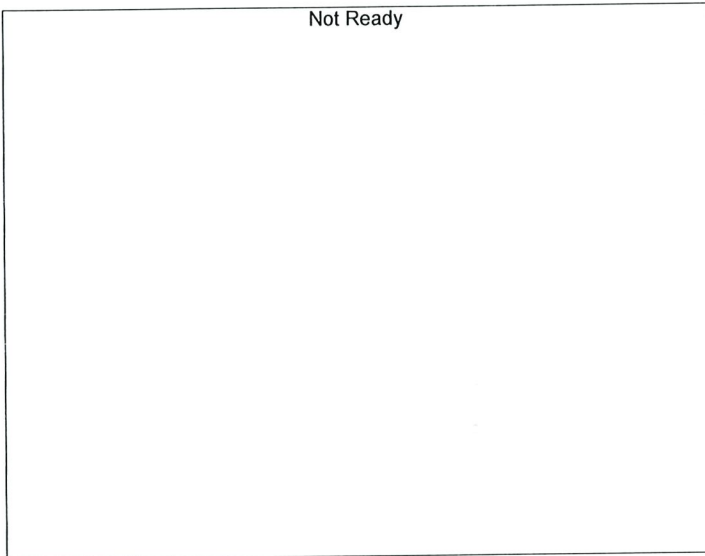
Issue Date: 12/23/2019

Issuing Authority: Quality Manager

Calibration Table

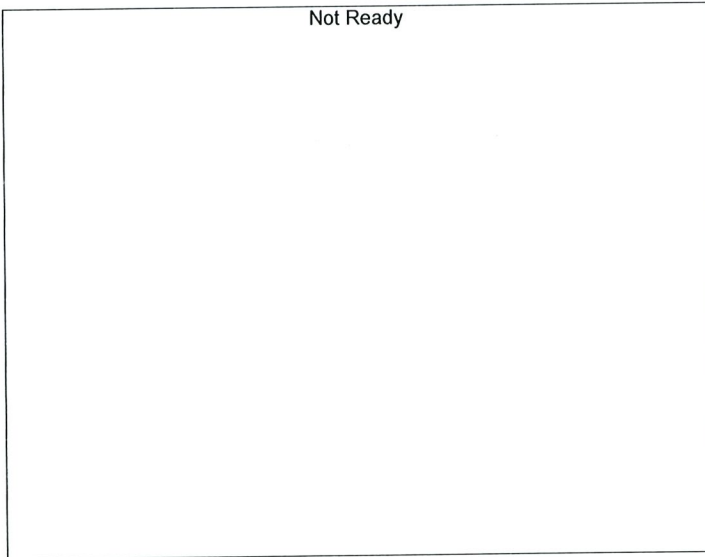
Laboratory: Pocatello
 Instrument Name : GC2030-HS20

<<Data File>>
 Method File :C:\LabSolutions\Data\2021\9-1-21 RC\ALCOHOL.gcm
 Batch File :C:\LabSolutions\Data\2021\9-1-21 RC\9-1-21 BATCH.gcb
 Date Acquired :9/1/2021 12:54:14 PM
 Date Created :9/1/2021 12:51:28 PM
 Date Modified :9/2/2021 9:00:29 AM



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

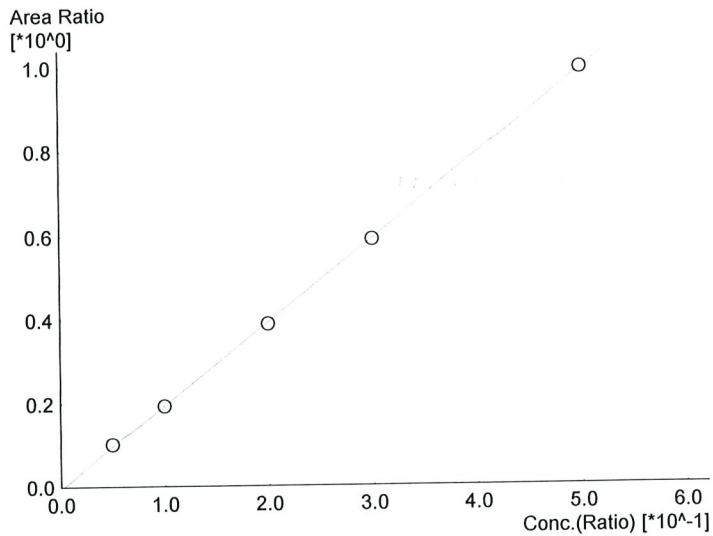
#	Conc.	Area	Std. Conc.
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

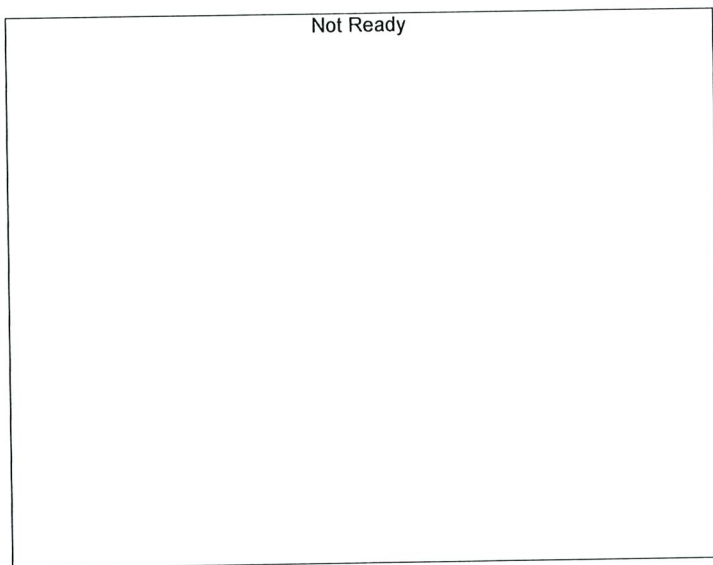
#	Conc.	Area	Std. Conc.
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KC



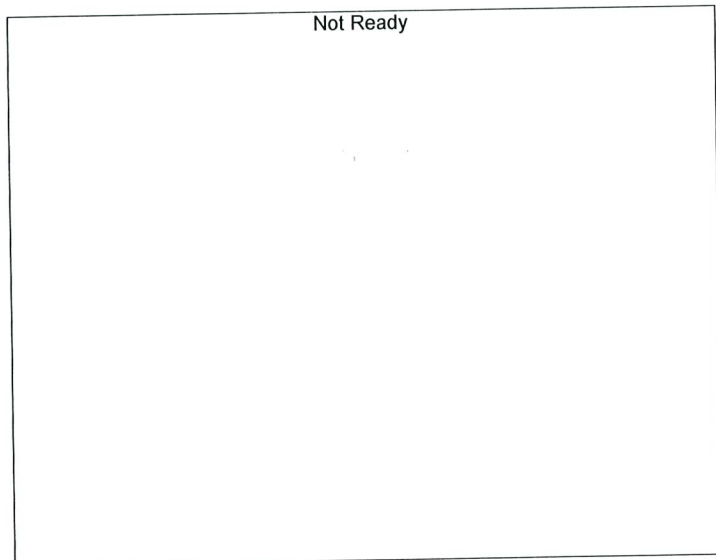
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.99438*x-0.00620211$
 R² value= 0.9999023
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	14926	0.0521
2	0.100	31104	0.0998
3	0.200	61522	0.1977
4	0.300	94536	0.2989
5	0.500	161442	0.5013



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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RC

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

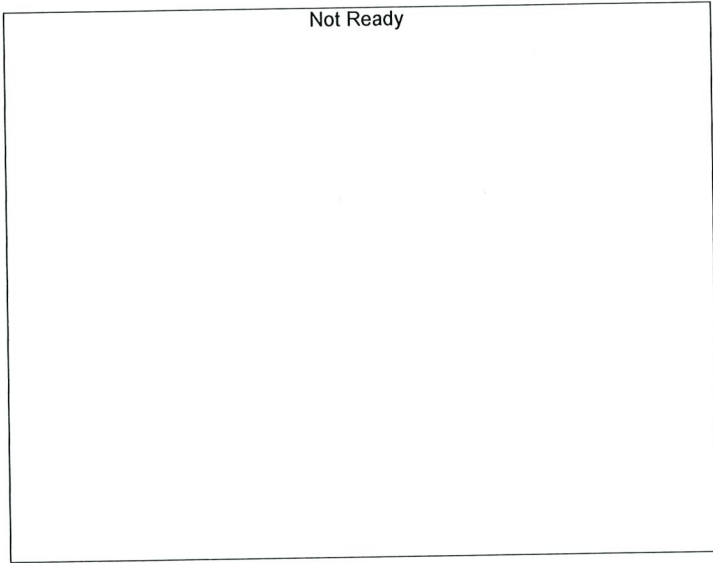
#	Conc.	Area	Std. Conc.
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Not Ready

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

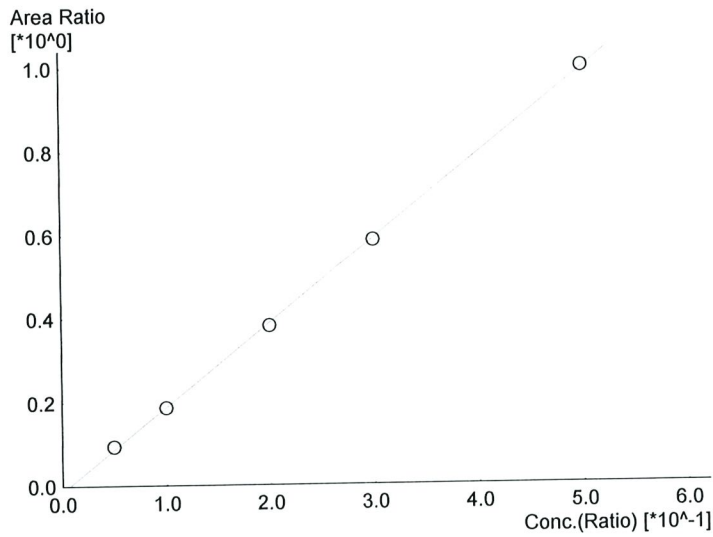
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Handwritten signature



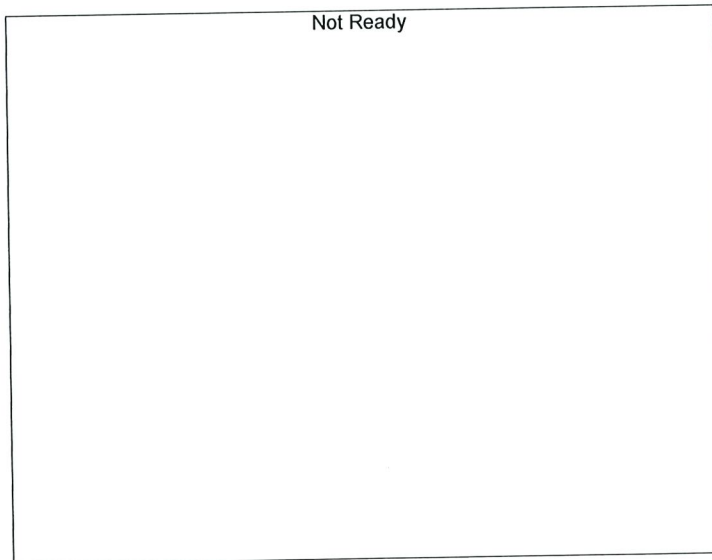
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.01344*x-0.0142717$
 R² value= 0.9997031 ✓
 FitType: Linear
 ZeroThrough: Not Through

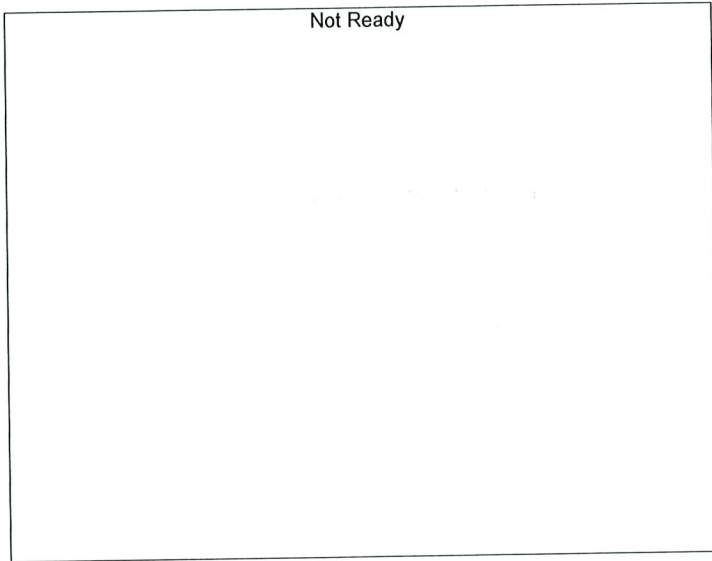
#	Conc.	Area	Std. Conc.
1	0.050	15056	0.0536
2	0.100	31548	0.0996
3	0.200	63277	0.1964
4	0.300	97944	0.2976
5	0.500	168783	0.5025



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

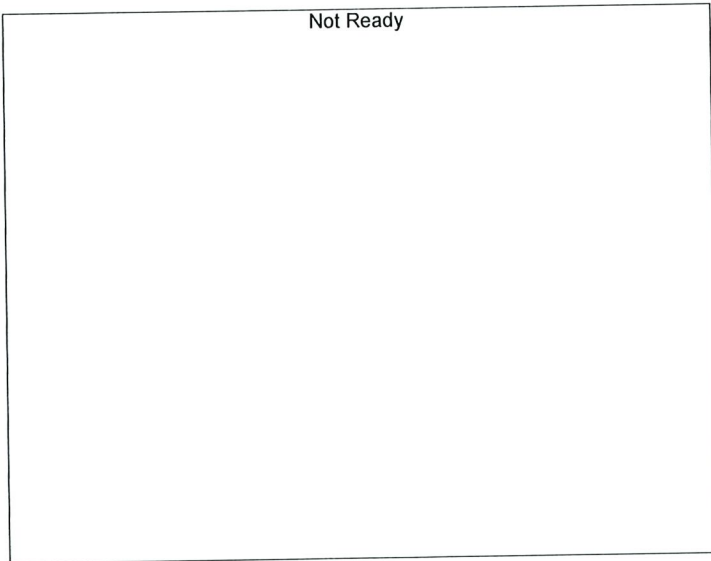
#	Conc.	Area	Std. Conc.
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hc



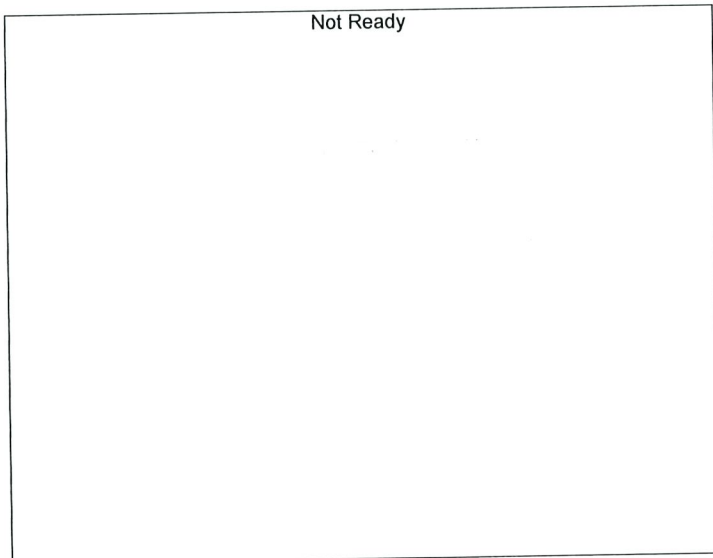
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	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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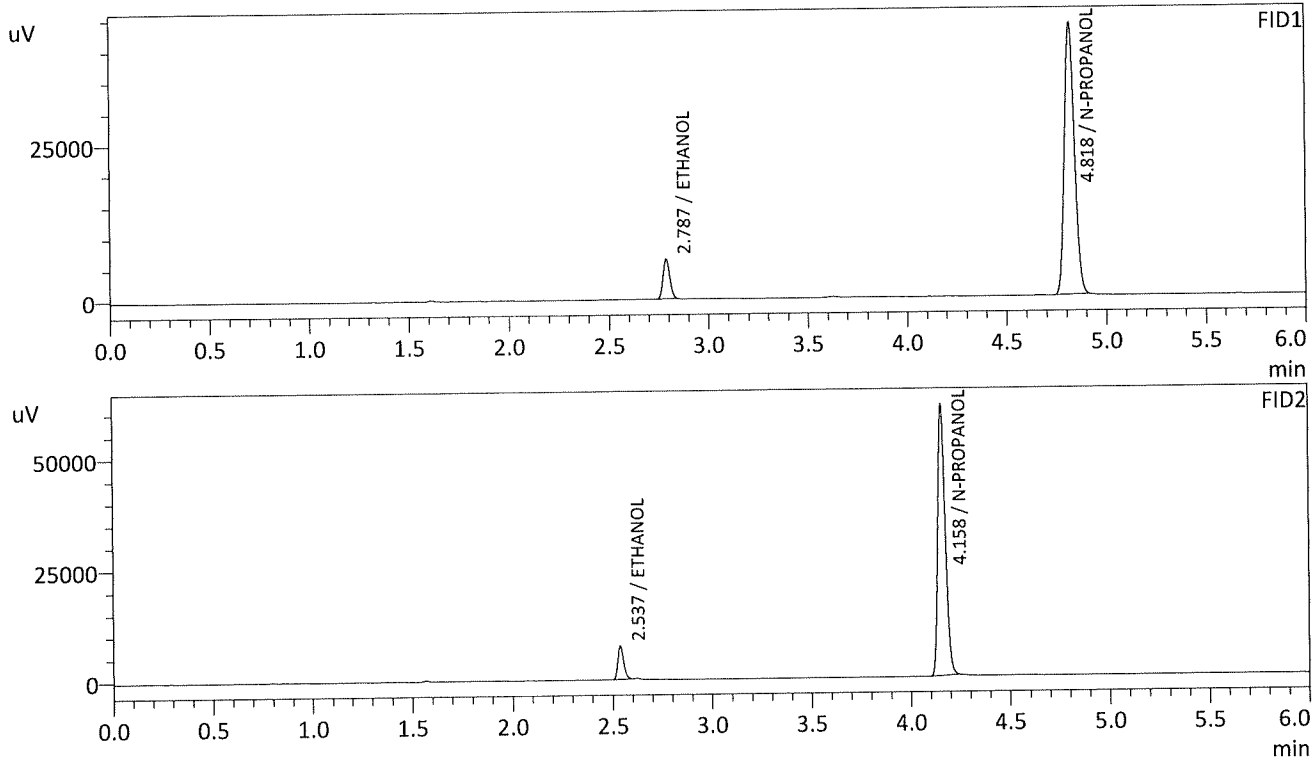


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Handwritten signature

Sample Name : 0.050
 (Level1 Conc.)
 Vial # : 1
 Data Filename : 0.050_912021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 12:19:04 PM
 Date Processed : 9/2/2021 9:00:25 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

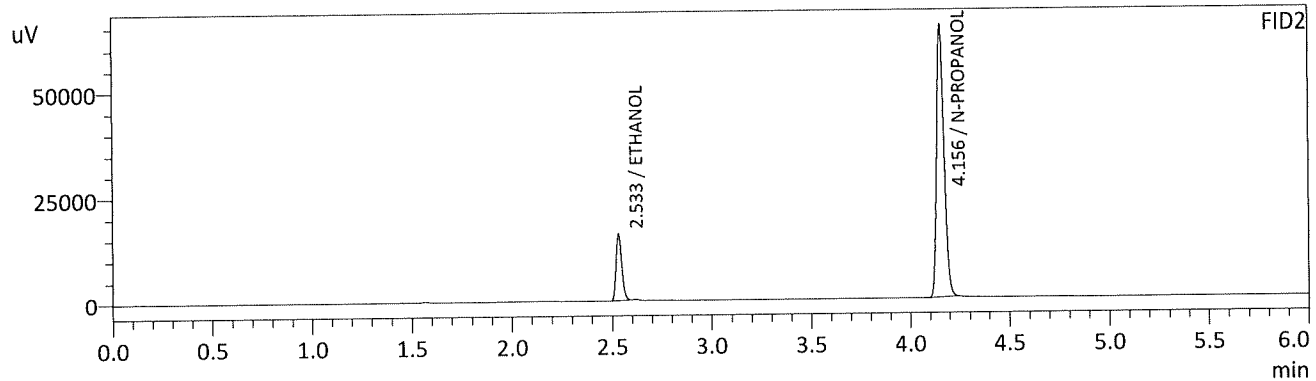
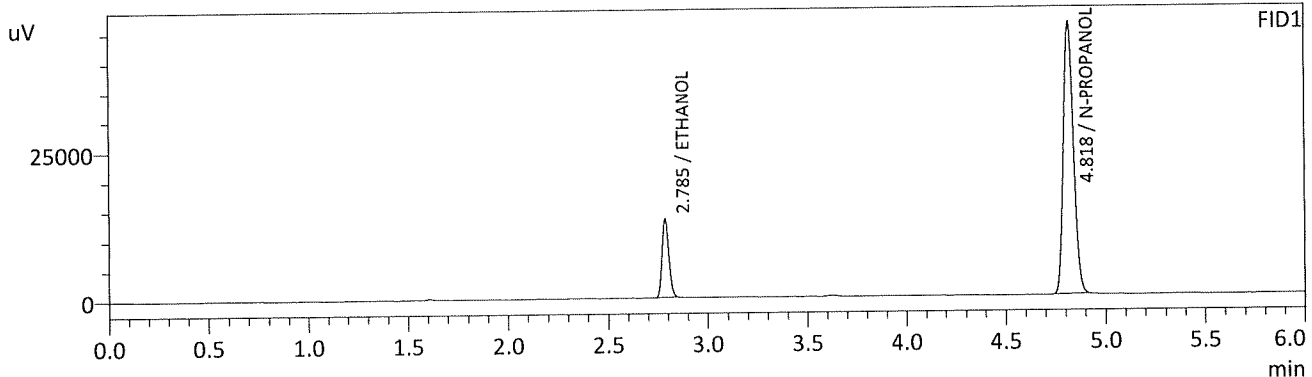
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0521	g/100cc	14926	6331
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	152740	43612
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0536	g/100cc	15056	7476
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160457	60548
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.100
 (Level1 Conc.)
 Vial # : 2
 Data Filename : 0.100_912021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 12:27:41 PM
 Date Processed : 9/2/2021 9:00:26 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

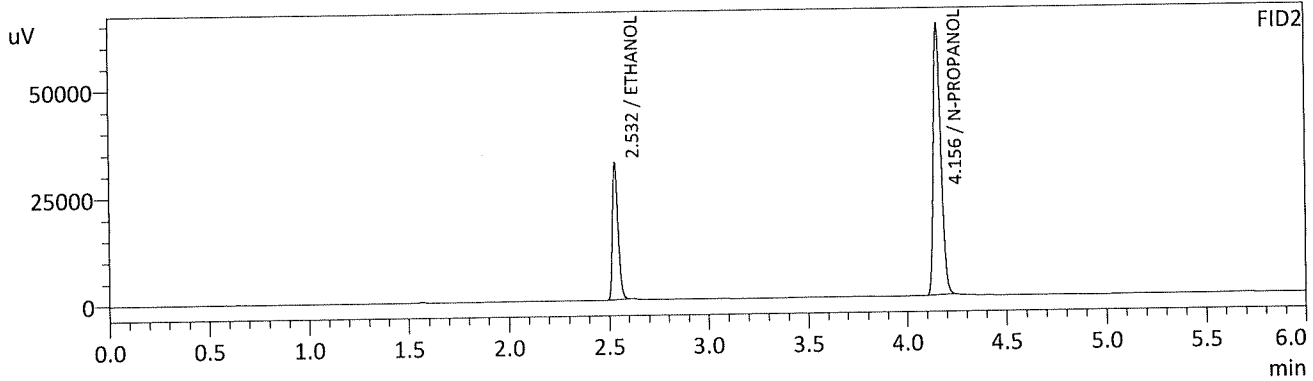
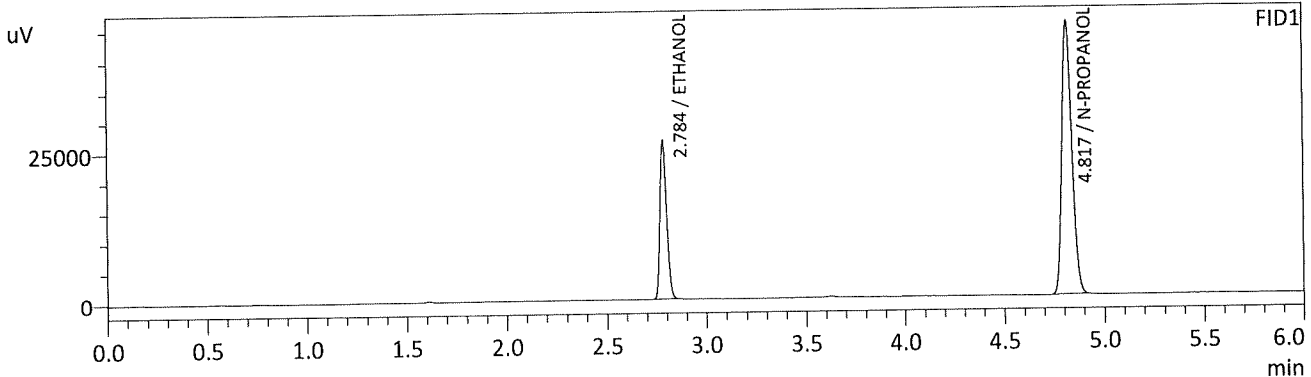
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0998	g/100cc	31104	13239
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161224	45880
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0996	g/100cc	31548	15790
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169240	64472
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JAC

Sample Name : 0.200
 (Level1 Conc.)
 Vial # : 3
 Data Filename : 0.200_912021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 12:36:34 PM
 Date Processed : 9/2/2021 9:00:27 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

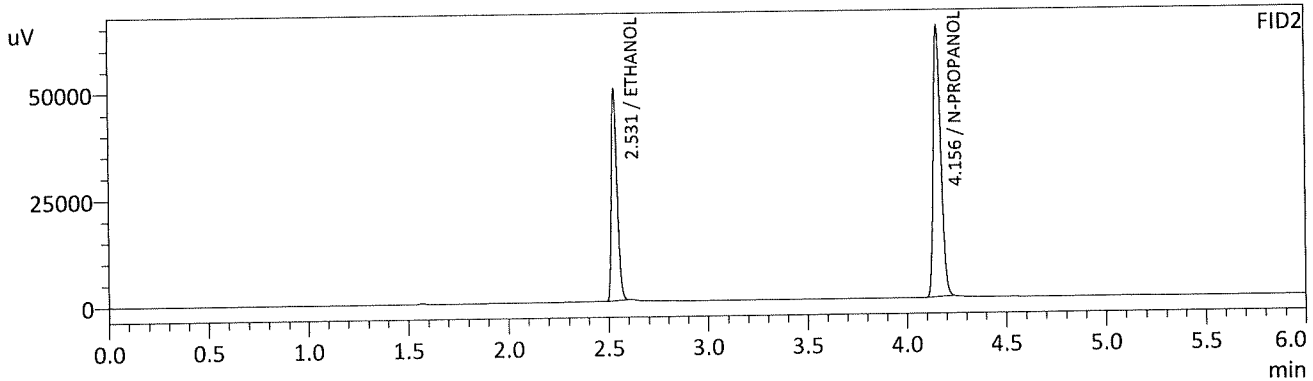
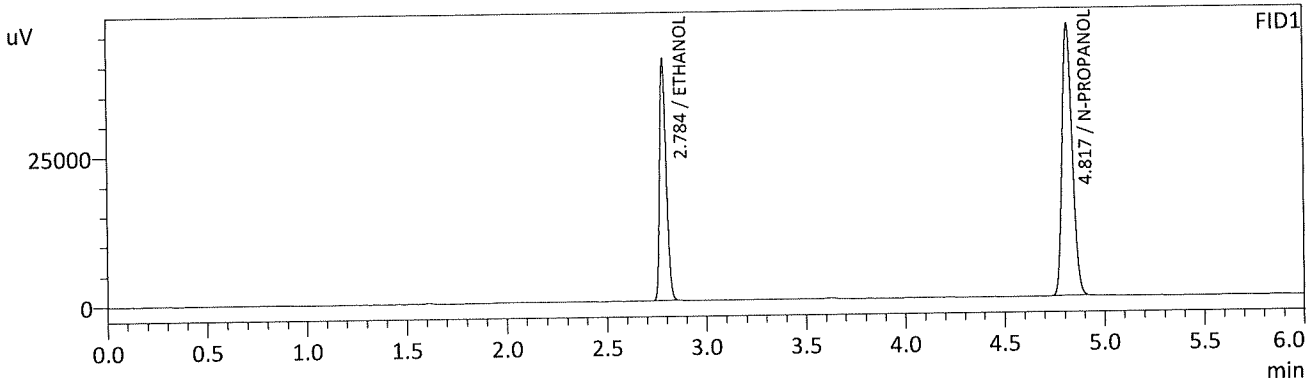
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1977	g/100cc	61522	26310
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158505	45083
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1964	g/100cc	63277	31888
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165971	63215
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : 0.300
 (Level1 Conc.)
 Vial # : 4
 Data Filename : 0.300_912021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 12:45:21 PM
 Date Processed : 9/2/2021 9:00:28 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

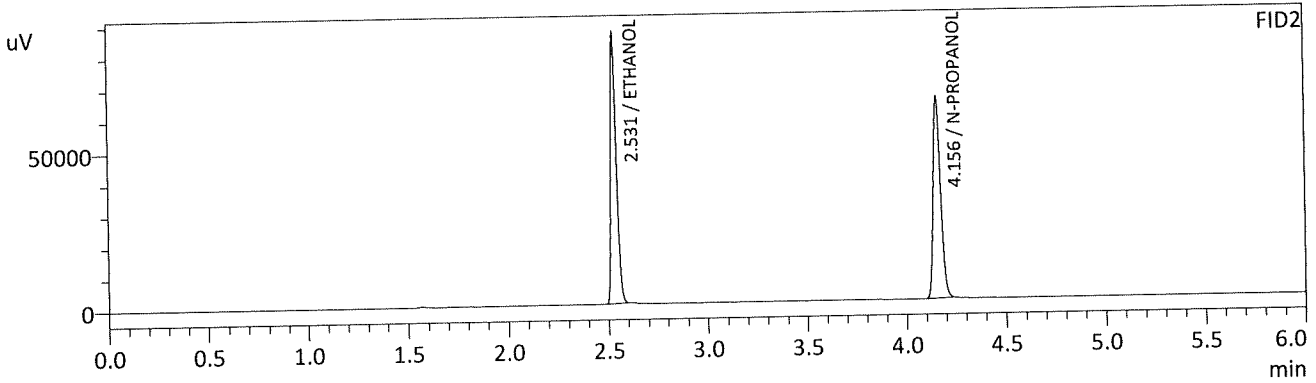
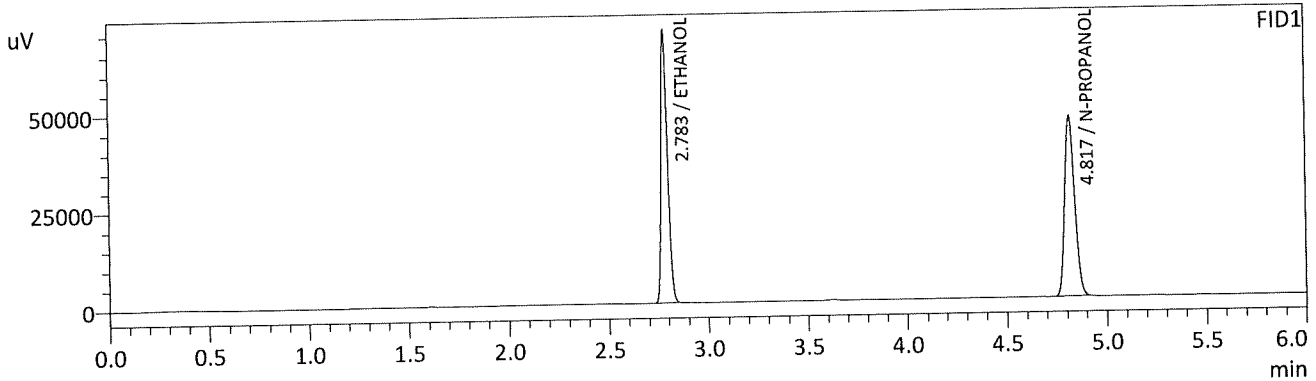
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2989	g/100cc	94536	40503
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160212	45495
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2976	g/100cc	97944	49480
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167395	63626
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : 0.500
 (Level1 Conc.)
 Vial # : 5
 Data Filename : 0.500_912021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 12:54:14 PM
 Date Processed : 9/2/2021 9:00:29 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

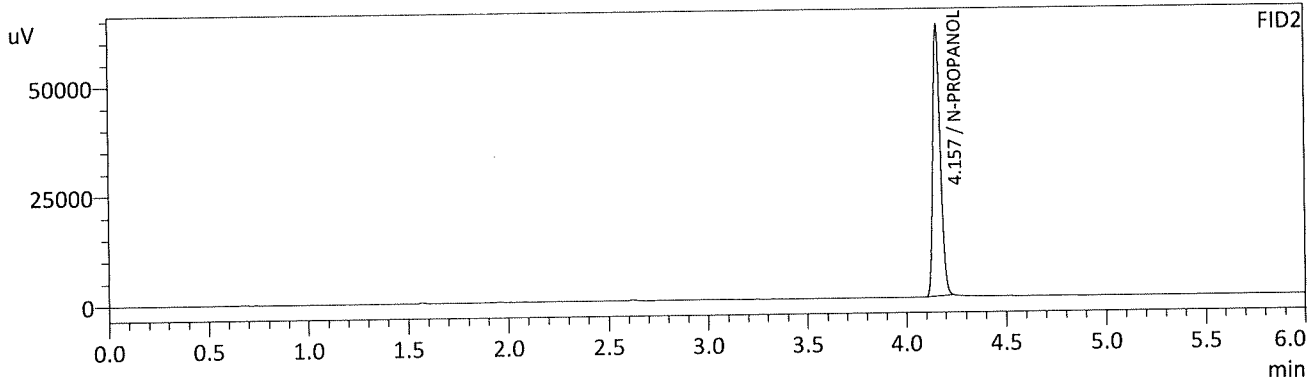
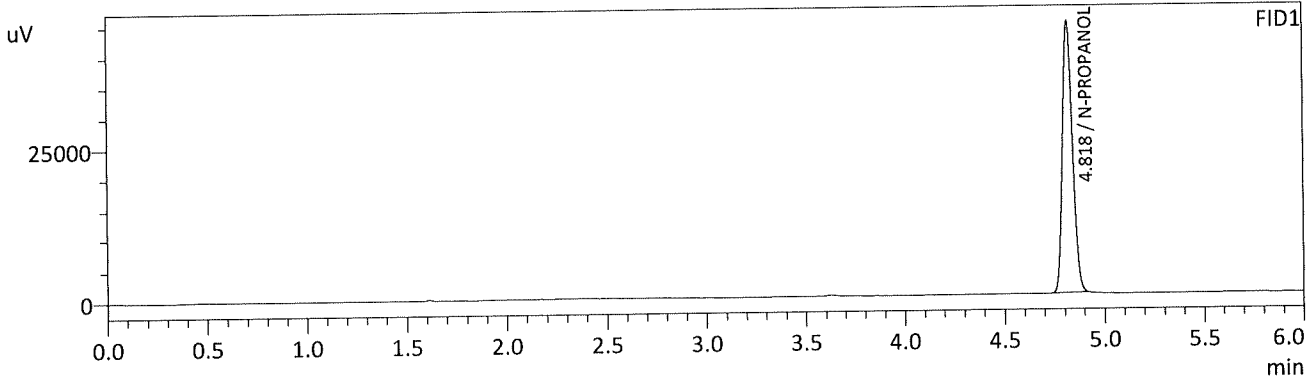
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	161442	69541
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162471	46194
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5025	g/100cc	168783	85766
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169206	64215
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : INT STD BLK 1
 (Level1 Conc.)
 Vial # : 6
 Data Filename : INT STD BLK 1_912021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:03:23 PM
 Date Processed : 9/2/2021 9:00:32 AM
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FID1

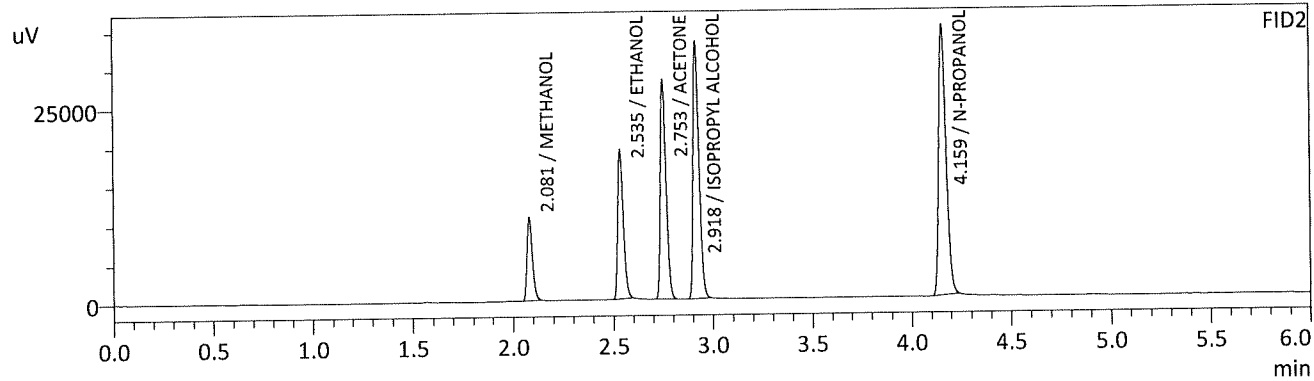
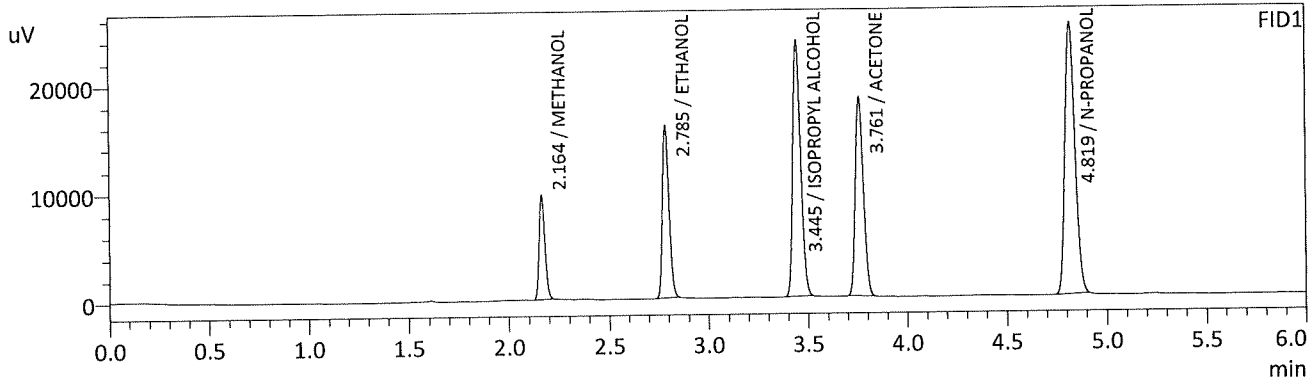
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	155758	44421
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	163437	61995
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : MULTI-COMP MIX
 (Level1 Conc.)
 Vial # : 7
 Data Filename : MULTI-COMP MIX_912021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:12:00 PM
 Date Processed : 9/2/2021 9:00:33 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

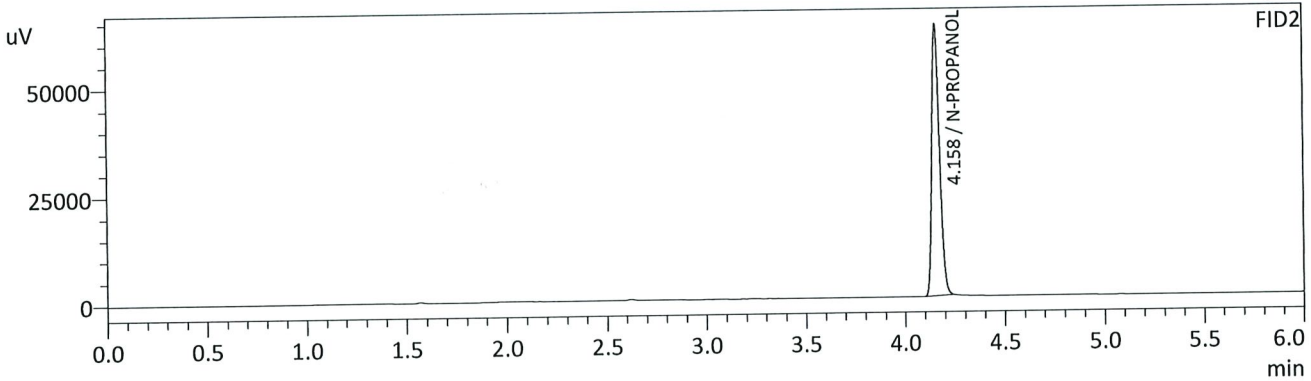
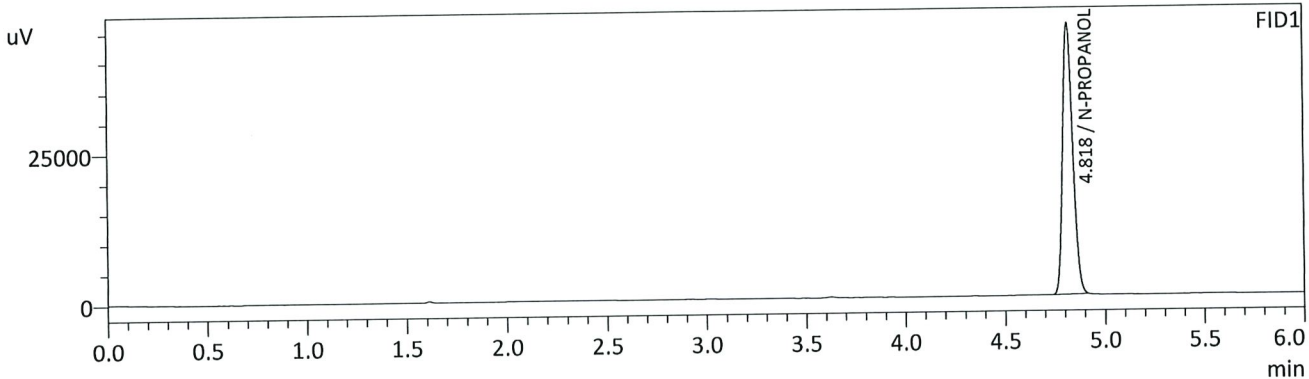
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	19176	9558
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2120	g/100cc	36383	15797
ISOPROPYL ALCOHOL	0.0000	g/100cc	65297	23490
ACETONE	0.0000	g/100cc	52166	18288
N-PROPANOL	0.0000	g/100cc	87307	25028
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	19762	10521
ETHANOL	0.2113	g/100cc	37451	18997
ACETONE	0.0000	g/100cc	55904	28067
ISOPROPYL ALCOHOL	0.0000	g/100cc	68612	32863
N-PROPANOL	0.0000	g/100cc	91054	34703
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YHC

Sample Name : INT STD BLK 2
 (Level1 Conc.)
 Vial # : 8
 Data Filename : INT STD BLK 2_912021_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:20:55 PM
 Date Processed : 9/2/2021 9:00:34 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



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	158021	45058
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	165941	62557
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JAC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 9/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0751	0.0752	0.0001	0.0751	0.0005	0.0754
(g/100cc)	0.0756	0.0757	0.0001	0.0756		

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.

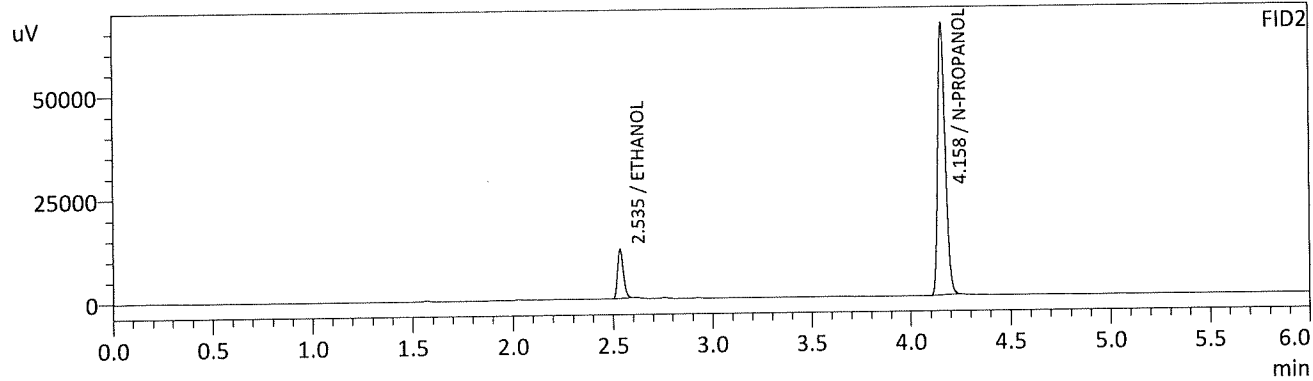
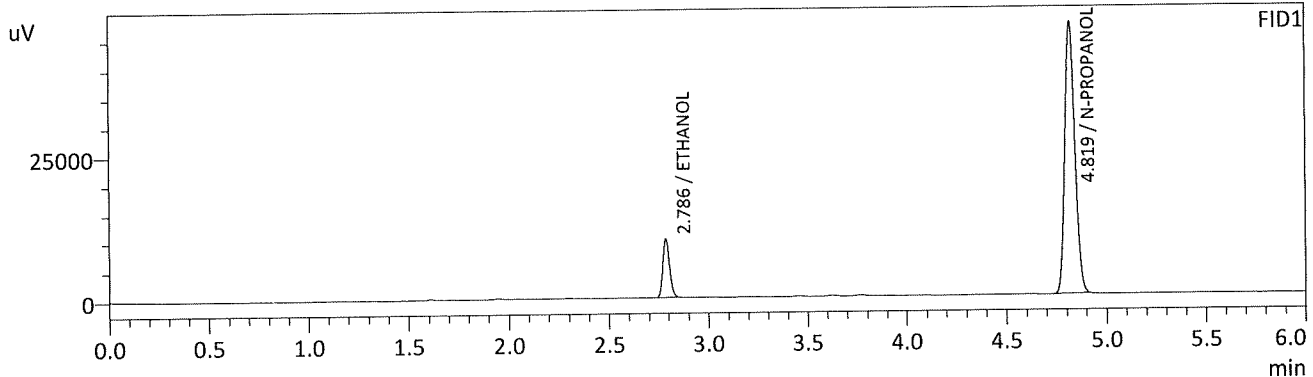


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A
 (Level1 Conc.)
 Vial # : 9
 Data Filename : QC-1-1-A_912021_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:29:53 PM
 Date Processed : 9/2/2021 9:00:35 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

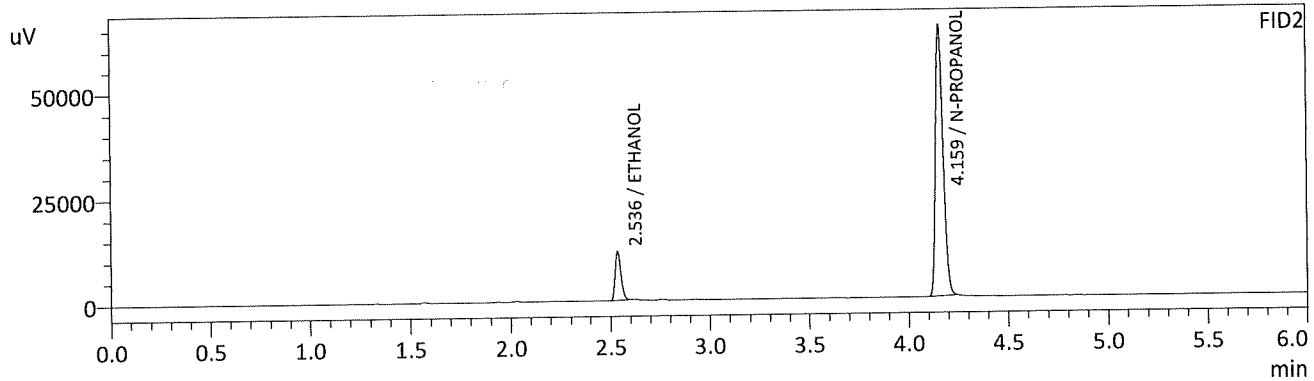
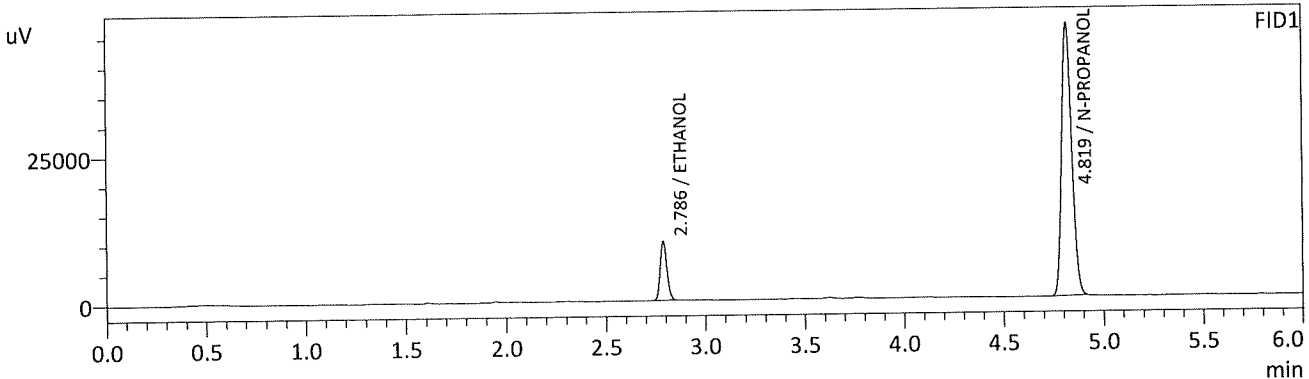
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0751	g/100cc	23693	9966
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164817	47103
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0752	g/100cc	23750	11735
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173076	65225
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : QC-1-1-B
 (Level1 Conc.)
 Vial # : 10
 Data Filename : QC-1-1-B_912021_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:38:24 PM
 Date Processed : 9/2/2021 9:00:37 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0756	g/100cc	23395	9817
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161673	46039
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0757	g/100cc	23453	11634
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169743	64188
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Analysis Date(s): 9/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0811	0.0000	0.0811	0.0005	0.0808
(g/100cc)	0.0808	0.0804	0.0004	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result
	0.080

Calibration and control data are stored centrally.

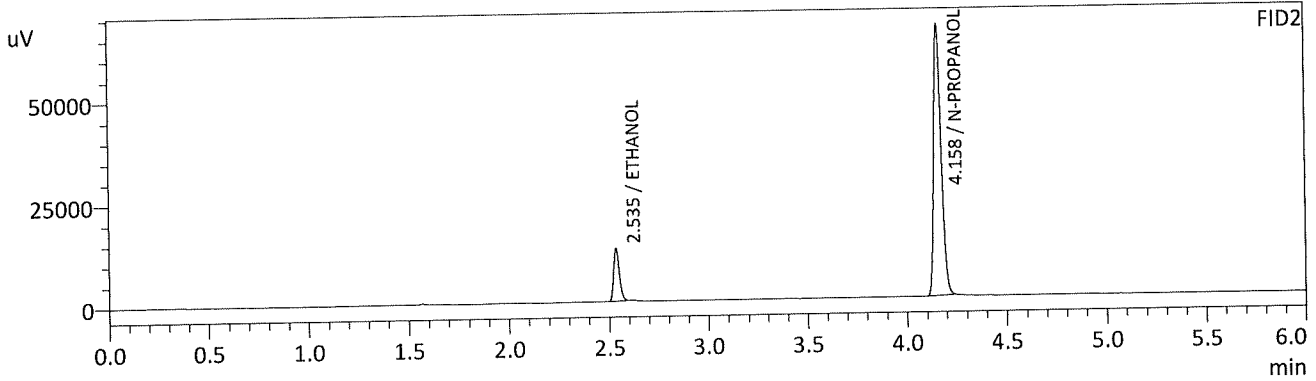
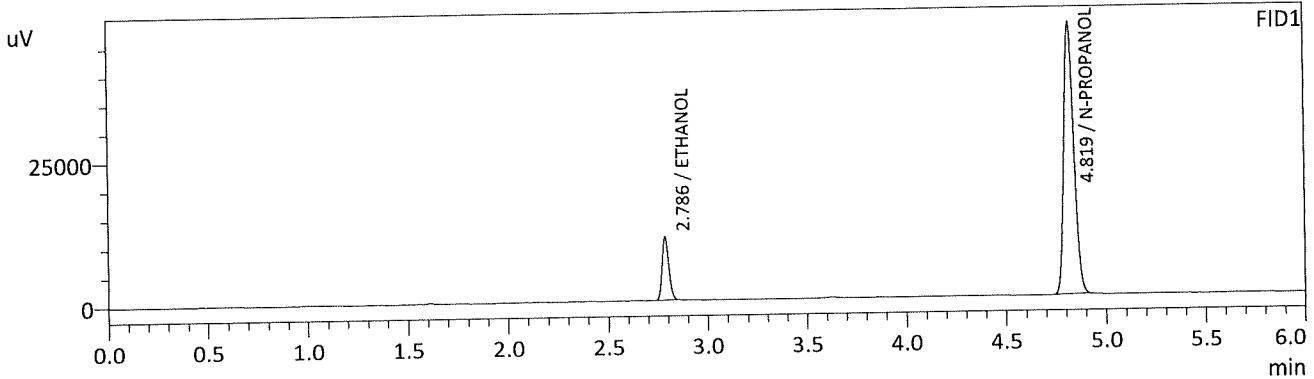


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : 0.08 QA - A
 (Level1 Conc.)
 Vial # : 11
 Data Filename : 0.08 QA - A_912021_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:47:11 PM
 Date Processed : 9/2/2021 9:00:38 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

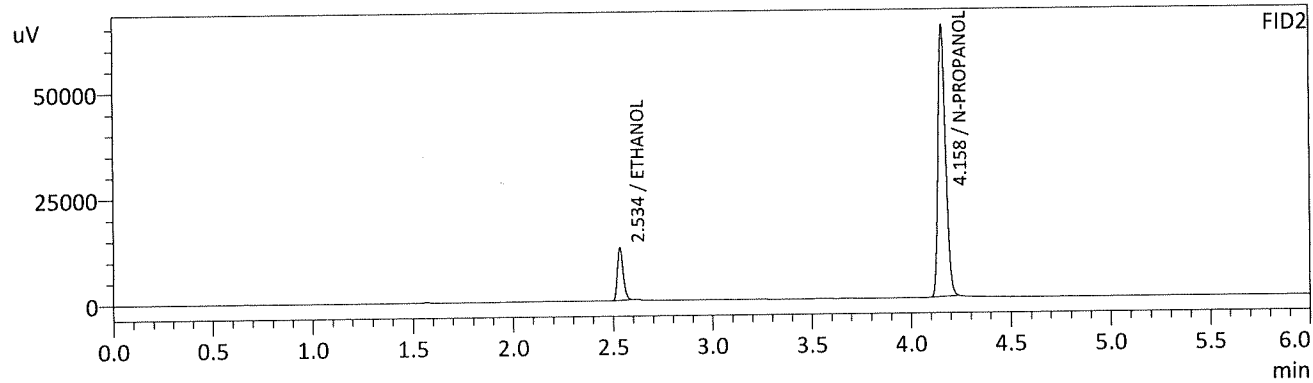
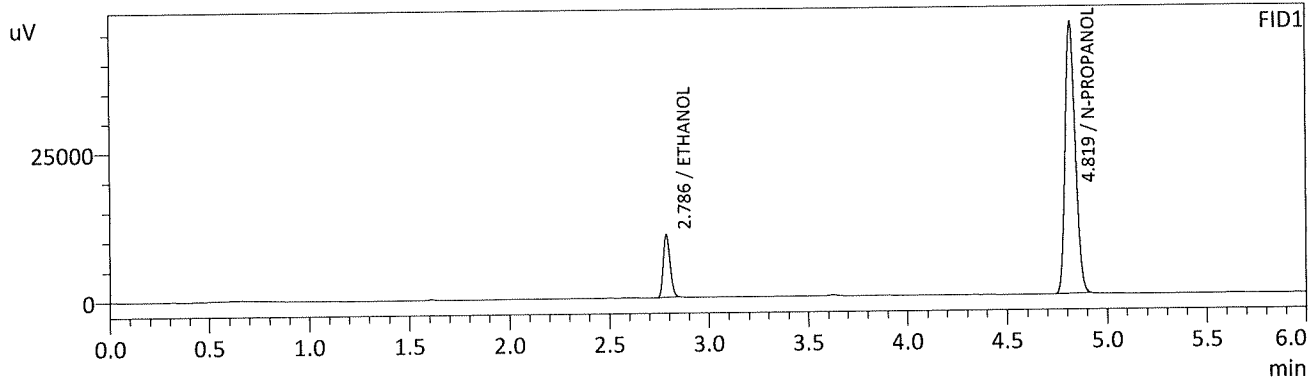
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	25895	10922
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166278	47410
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	26028	12784
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174569	65906
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : 0.08 QA - B
 (Level1 Conc.)
 Vial # : 12
 Data Filename : 0.08 QA - B_912021_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 1:55:47 PM
 Date Processed : 9/2/2021 9:00:39 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	24937	10485
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160939	45917
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	24971	12280
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169139	63759
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 9/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2120	0.2104	0.0016	0.2112	0.0012	0.2118
(g/100cc)	0.2132	0.2116	0.0016	0.2124		

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.

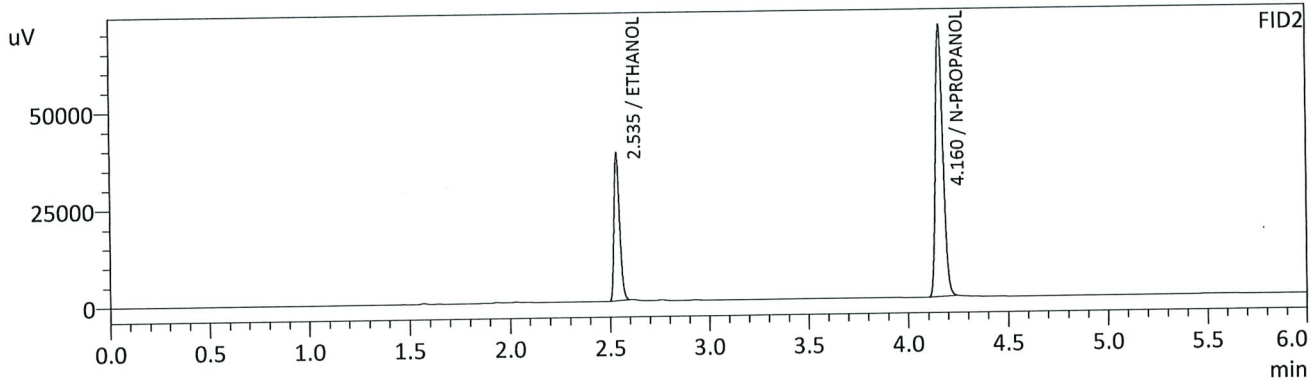
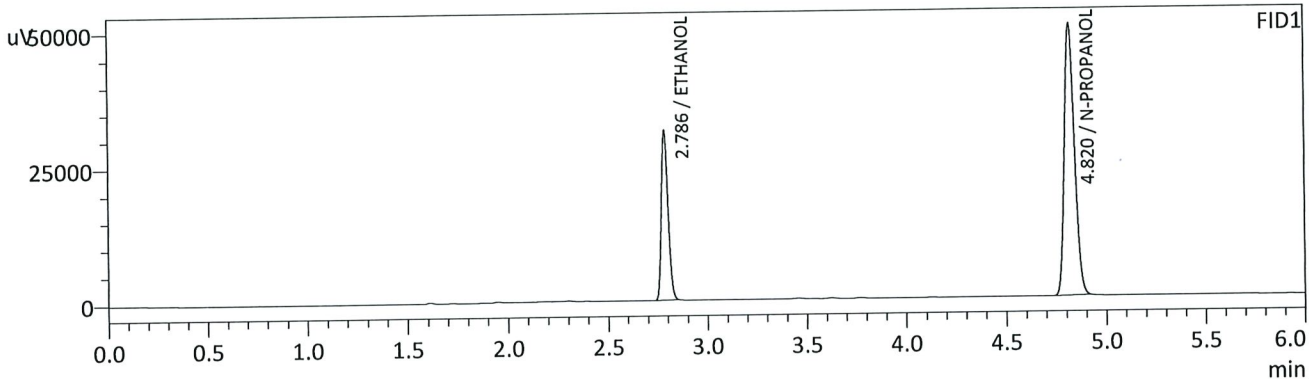


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 (Level1 Conc.)
 Vial # : 31
 Data Filename : QC-2-1-A_912021_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 4:43:42 PM
 Date Processed : 9/2/2021 9:01:00 AM
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FID1

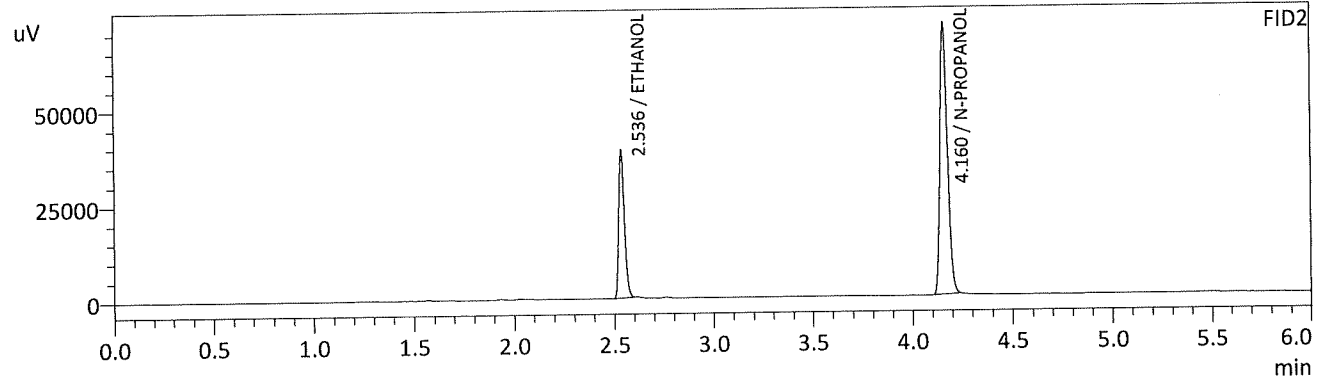
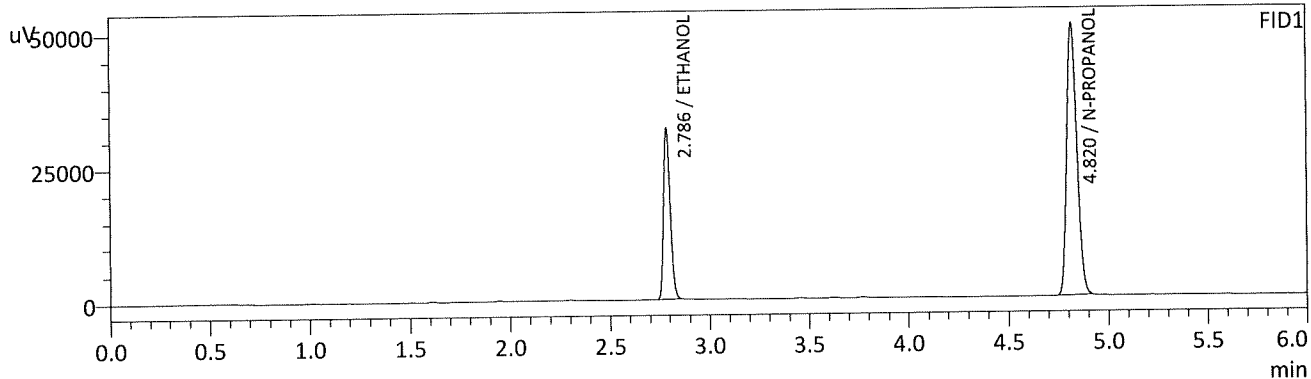
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2120	g/100cc	73426	31090
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176205	50101
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2104	g/100cc	75449	37821
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184233	69838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : QC-2-1-B
 (Level1 Conc.)
 Vial # : 32
 Data Filename : QC-2-1-B_912021_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 4:52:22 PM
 Date Processed : 9/2/2021 9:01:01 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2132	g/100cc	74866	31670
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178634	50661
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2116	g/100cc	76844	38611
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186595	71289
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 9/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0772	0.0004	0.0774	0.0004	0.0776
(g/100cc)	0.0781	0.0776	0.0005	0.0778		

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.

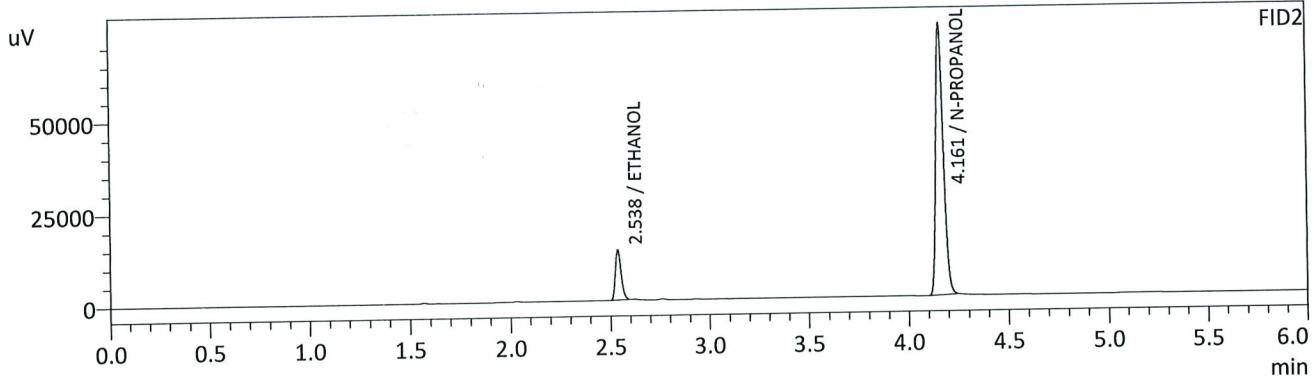
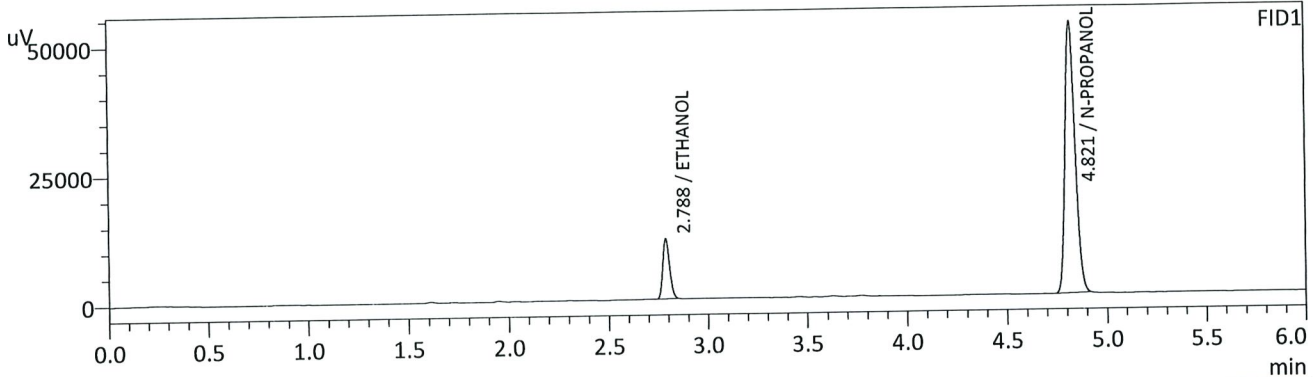


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 (Level1 Conc.)
 Vial # : 53
 Data Filename : QC1-2-A_912021_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 7:58:33 PM
 Date Processed : 9/2/2021 9:01:24 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



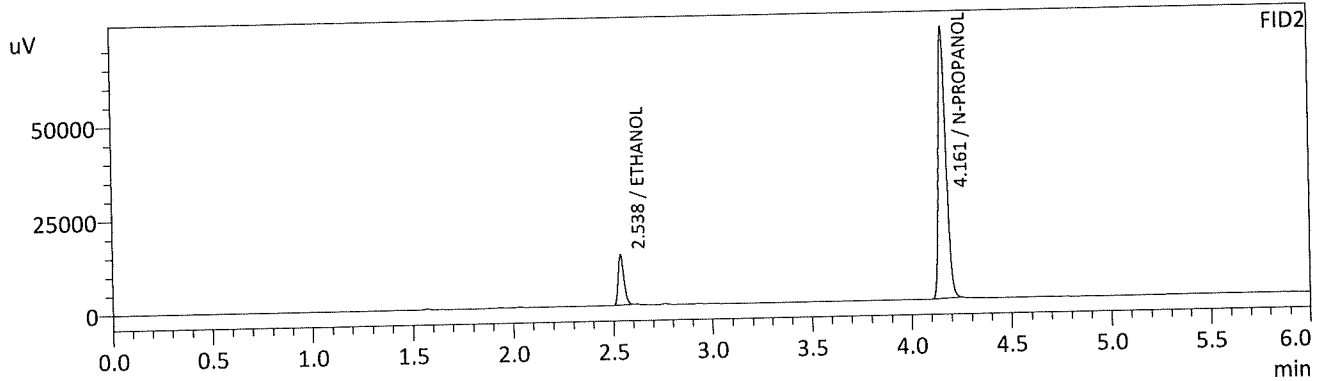
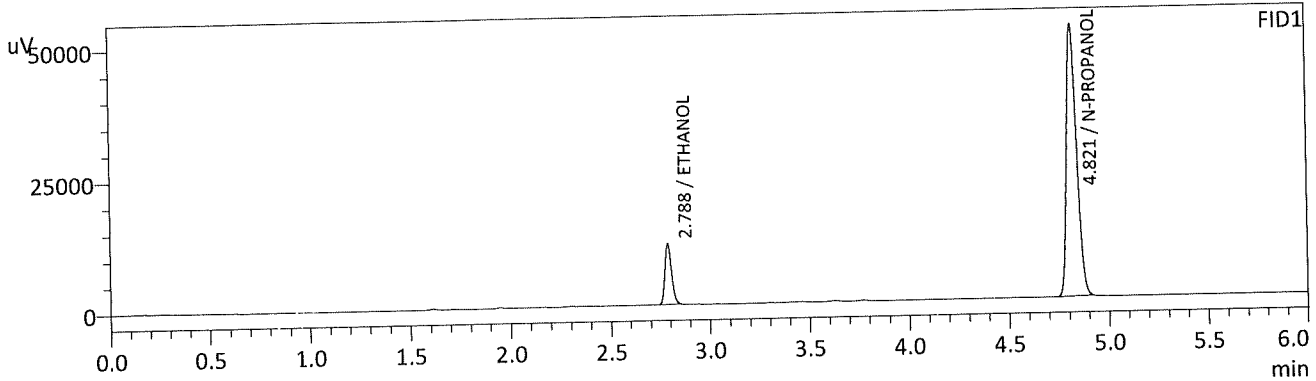
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	27469	11641
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184670	52387
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0772	g/100cc	27340	13585
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193530	73799
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : QC1-2-B
 (Level1 Conc.)
 Vial # : 54
 Data Filename : QC1-2-B_912021_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 8:07:21 PM
 Date Processed : 9/2/2021 9:01:25 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0781	g/100cc	27073	11476
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180811	51392
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	26936	13326
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189477	72200
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 9/1/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2140	0.2128	0.0012	0.2134	0.0010	0.2129
(g/100cc)	0.2131	0.2117	0.0014	0.2124		

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.

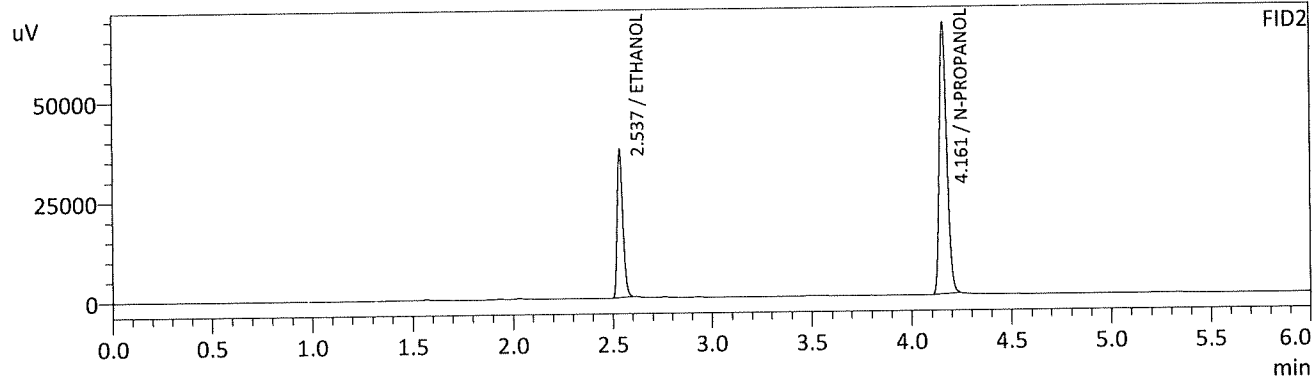
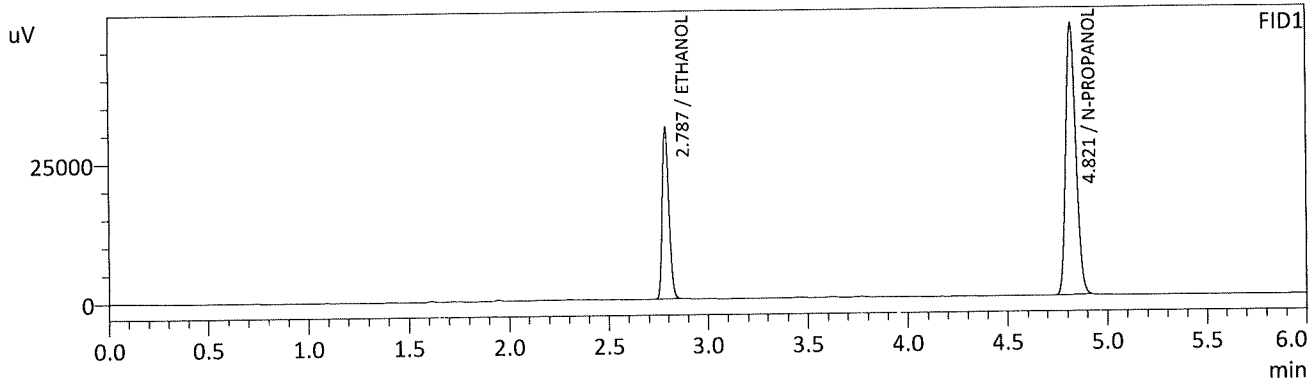


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC2-2-A
 (Level1 Conc.)
 Vial # : 63
 Data Filename : QC2-2-A_912021_063.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 9:27:20 PM
 Date Processed : 9/2/2021 9:01:36 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



FID1

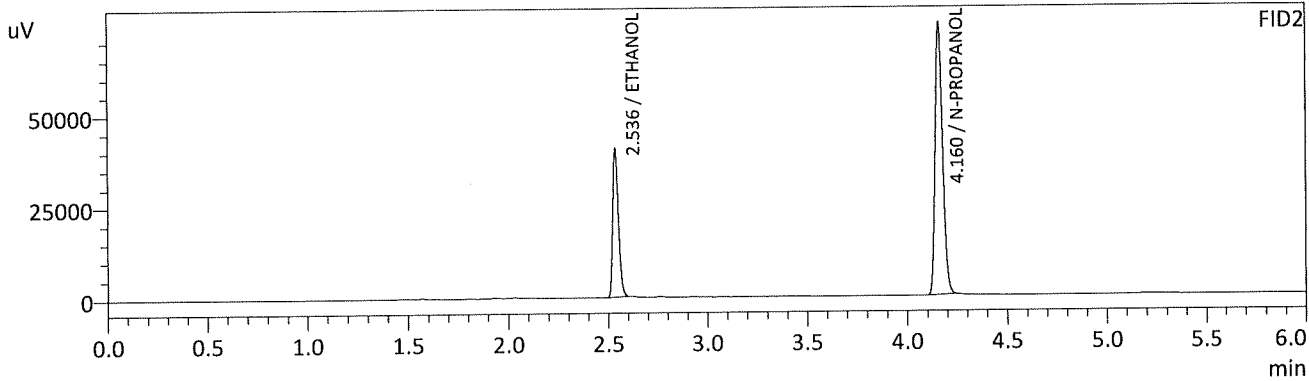
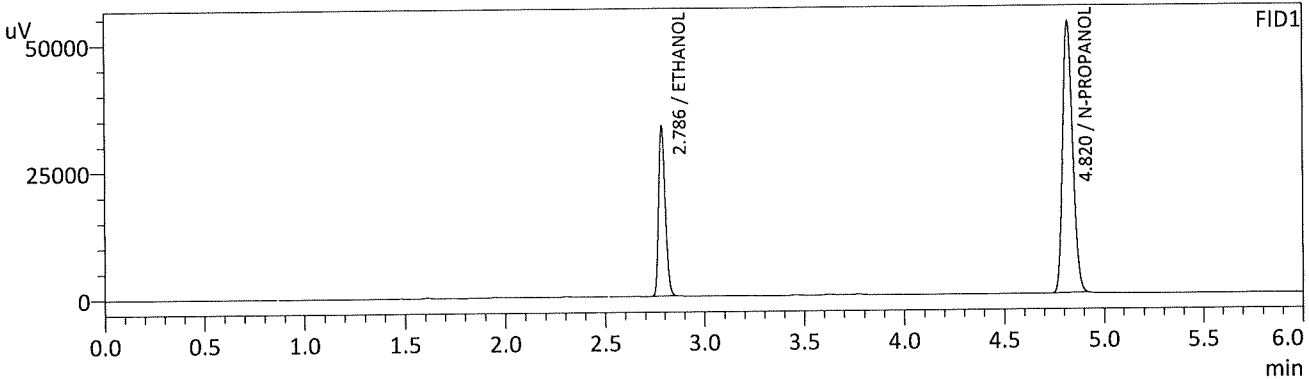
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2140	g/100cc	71993	30463
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171107	48616
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2128	g/100cc	73635	37052
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177732	67876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : QC2-2-B
 (Level1 Conc.)
 Vial # : 64
 Data Filename : QC2-2-B_912021_064.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 9:36:28 PM
 Date Processed : 9/2/2021 9:01:37 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



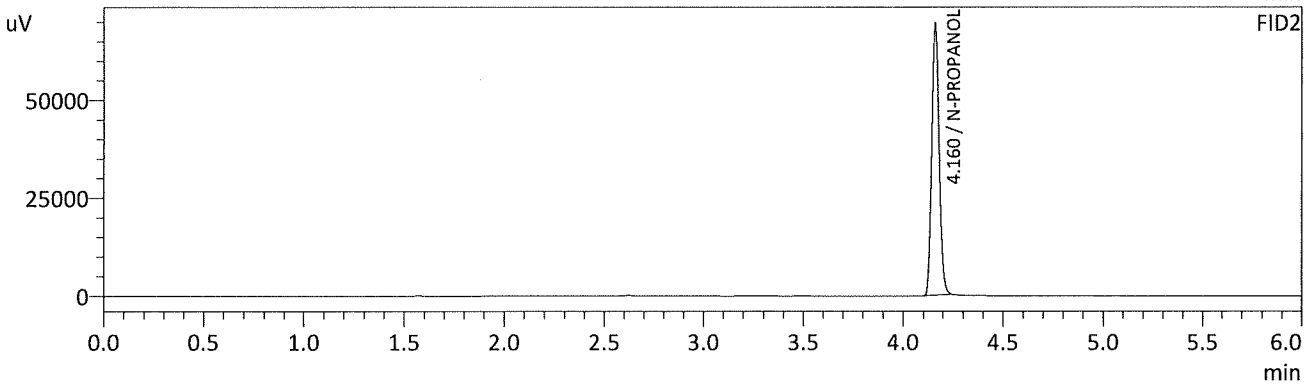
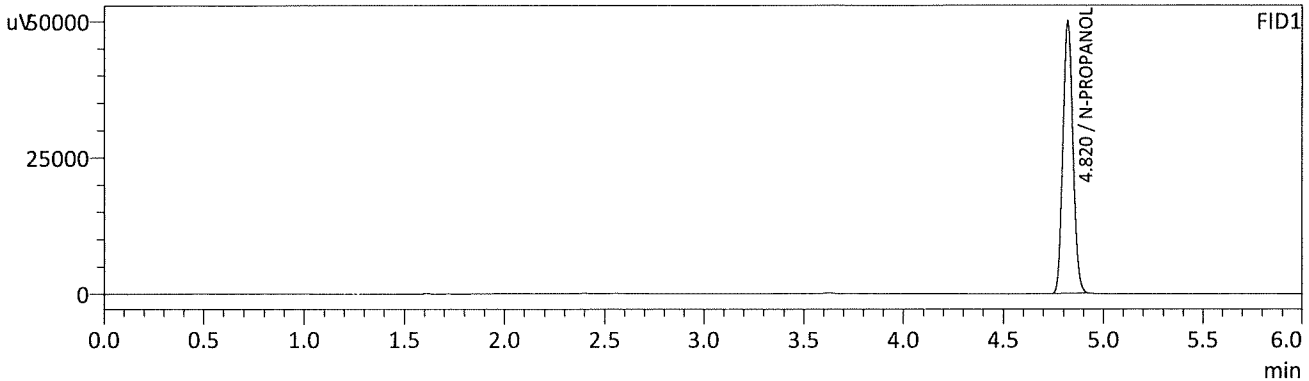
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	78359	33066
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187085	53307
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	80324	40436
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194953	74248
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : INT STD BLK 3
 (Level1 Conc.)
 Vial # : 65
 Data Filename : INT STD BLK 3_912021_065.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 9-1-21 BATCH.gcb
 Date Acquired : 9/1/2021 9:45:31 PM
 Date Processed : 9/2/2021 9:01:38 AM
 C:\LabSolutions\Data\2021\9-1-21 RC



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	174627	49726
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	182368	69514
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

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		1
2	0.100	1:Standard:(R)	ALCOHOL.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm		0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm		0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
13	P2021-2543-1-A	0:Unknown	ALCOHOL.gcm		0
14	P2021-2543-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2021-2699-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2021-2699-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2021-2709-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2021-2709-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2021-2712-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2021-2712-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2021-2715-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2021-2715-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2021-2724-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2021-2724-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2021-2729-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2021-2729-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2021-2737-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2021-2737-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2021-2738-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2021-2738-1-B	0:Unknown	ALCOHOL.gcm		0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm		0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm		0
33	P2021-2762-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2021-2762-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2021-2763-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2021-2763-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2021-2767-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2021-2767-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2021-2768-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2021-2768-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2021-2786-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2021-2786-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2021-2803-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2021-2803-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2021-2804-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2021-2804-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2021-2805-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2021-2805-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2021-2806-1-A	0:Unknown	ALCOHOL.gcm		0
50	P2021-2806-1-B	0:Unknown	ALCOHOL.gcm		0
51	P2021-2809-1-A	0:Unknown	ALCOHOL.gcm		0
52	P2021-2809-1-B	0:Unknown	ALCOHOL.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
55	P2021-2817-1-A	0:Unknown	ALCOHOL.gcm		0
56	P2021-2817-1-B	0:Unknown	ALCOHOL.gcm		0
57	P2021-2818-1-A	0:Unknown	ALCOHOL.gcm		0
58	P2021-2818-1-B	0:Unknown	ALCOHOL.gcm		0
59	P2021-2822-1-A	0:Unknown	ALCOHOL.gcm		0
60	P2021-2822-1-B	0:Unknown	ALCOHOL.gcm		0
61	P2021-2824-1-A	0:Unknown	ALCOHOL.gcm		0
62	P2021-2824-1-B	0:Unknown	ALCOHOL.gcm		0
63	QC2-2-A	0:Unknown	ALCOHOL.gcm		0
64	QC2-2-B	0:Unknown	ALCOHOL.gcm		0
65	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0