

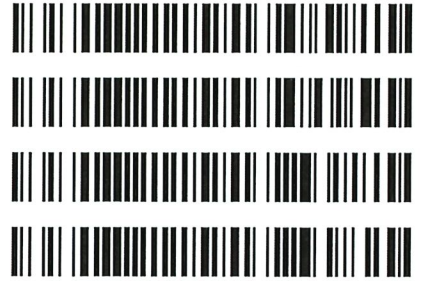
**Worklist: 5141**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2997	1	BCK	Alcohol Analysis	
M2021-2998	1	BCK	Alcohol Analysis	
P2021-2184	2	UCK	Alcohol Analysis	
P2021-2217	1	BCK	Alcohol Analysis	
P2021-2221	1	BCK	Alcohol Analysis	
P2021-2222	1	BCK	Alcohol Analysis	
P2021-2246	1	BCK	Alcohol Analysis	
P2021-2292	1	BCK	Alcohol Analysis	
P2021-2295	1	BCK	Alcohol Analysis	
P2021-2296	1	BCK	Alcohol Analysis	
P2021-2297	1	BCK	Alcohol Analysis	
P2021-2298	1	BCK	Alcohol Analysis	
P2021-2303	1	BCK	Alcohol Analysis	
P2021-2311	1	BCK	Alcohol Analysis	
P2021-2312	1	BCK	Alcohol Analysis	
P2021-2329	1	BCK	Alcohol Analysis	
P2021-2345	1	BCK	Alcohol Analysis	
P2021-2349	1	BCK	Alcohol Analysis	
P2021-2371	1	BCK	Alcohol Analysis	
P2021-2417	1	BCK	Alcohol Analysis	
P2021-2419	1	BCK	Alcohol Analysis	

*Re-ran with  
OFE standard*

**Worklist: 5141**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2421	1	BCK	Alcohol Analysis
P2021-2422	1	BCK	Alcohol Analysis
P2021-2436	1	BCK	Alcohol Analysis
P2021-2439	1	BCK	Alcohol Analysis



AC

**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): 7/29/21**

Calibration curve 7/26-27 Worklist5118a

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0750 g/100cc 0.0773 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2110 g/100cc 0.2149 g/100cc g/100cc
<b>Multi-Component mixture:</b>			<b>Lot #</b>	<b>FN06041902</b>	<b>ok</b>
<b>Curve Fit:</b>		<b>Column 1</b>	<b>0.99990</b>	<b>Column2</b>	<b>0.99980</b>

**REVIEWED**

By Jeremy Johnston at 11:12 am, Aug 02, 2021

Ethanol Calibration Reference Material		
Calibrator level	Target Value	Acceptable Range
50	0.050	0.045 - 0.055
100	0.100	0.090 - 0.110
200	0.200	0.180 - 0.220
300	0.300	0.270 - 0.330
400	0.400	0.360 - 0.440
500	0.500	0.450 - 0.550

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0517	0.0525	0.0008	0.0521
100	0.100	0.090 - 0.110	0.1003	0.1003	0	0.1003
200	0.200	0.180 - 0.220	0.1982	0.1975	0.0007	0.1978
300	0.300	0.270 - 0.330	0.2980	0.2972	0.0008	0.2976
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5016	0.5022	0.0006	0.5019

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

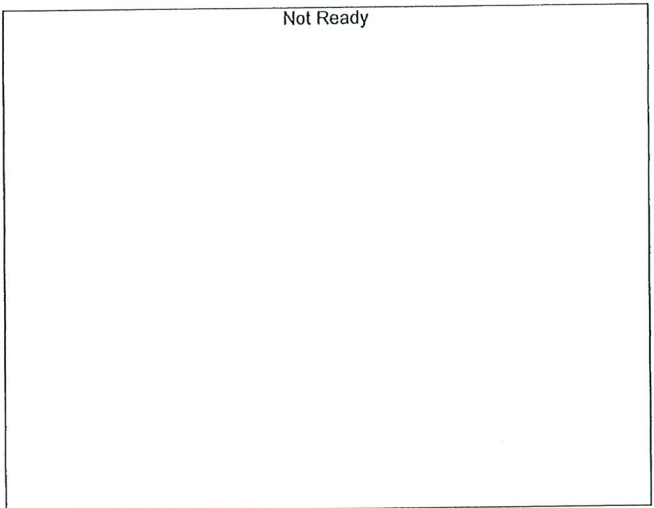
*JJC*

TS

=====  
Calibration Table  
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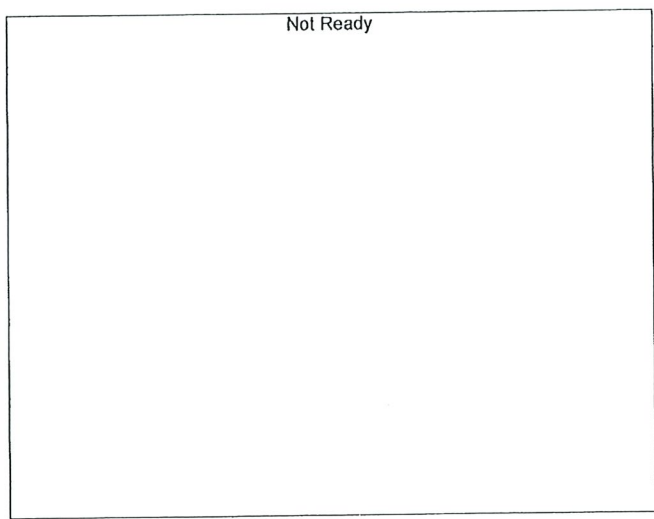
Laboratory: Pocatello  
Instrument Name : GC2030-HS20

<<Data File>>  
Method File :C:\LabSolutions\Data\2021\07-26-21\_TS\ALCOHOL.gcm ✓  
Batch File :C:\LabSolutions\Data\2021\07-26-21\_TS\07-26-21\_ts\_post.gcb  
Date Acquired :7/26/2021 10:52:26 AM  
Date Created :7/26/2021 10:49:31 AM  
Date Modified :7/27/2021 7:30:16 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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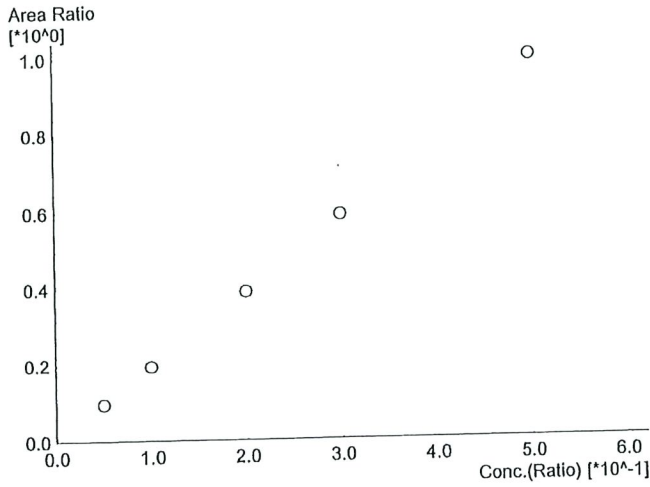


Name : ACETALDEHYDE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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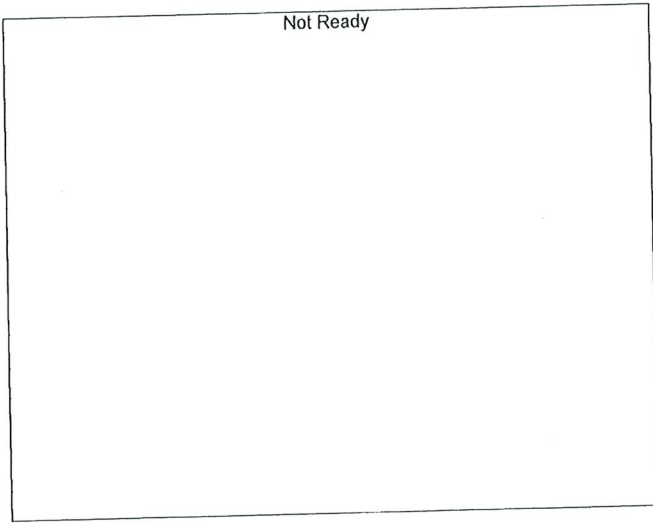


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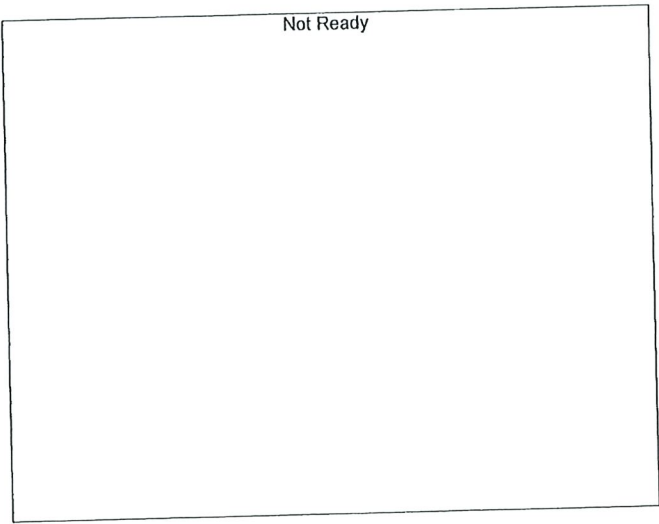
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=1.99992*x-0.00777375$  ✓  
 R<sup>2</sup> value= 0.9999010  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15522	0.0517
2	0.100	32070	0.1003
3	0.200	63095	0.1982
4	0.300	97445	0.2980
5	0.500	167123	0.5016



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

#	Conc.	Area	Std. Conc.
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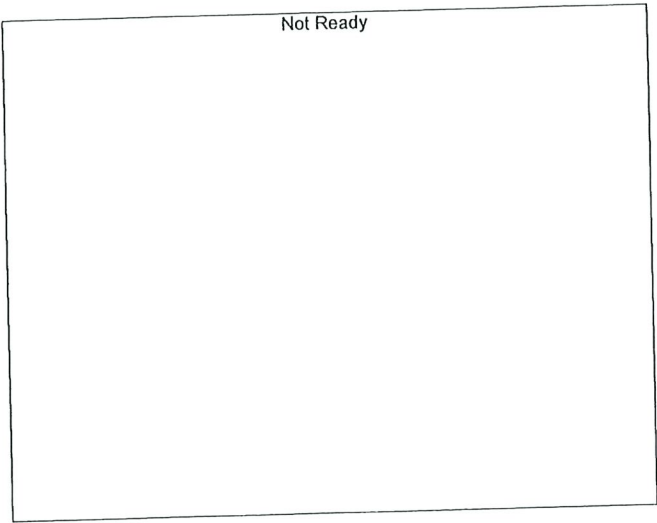


Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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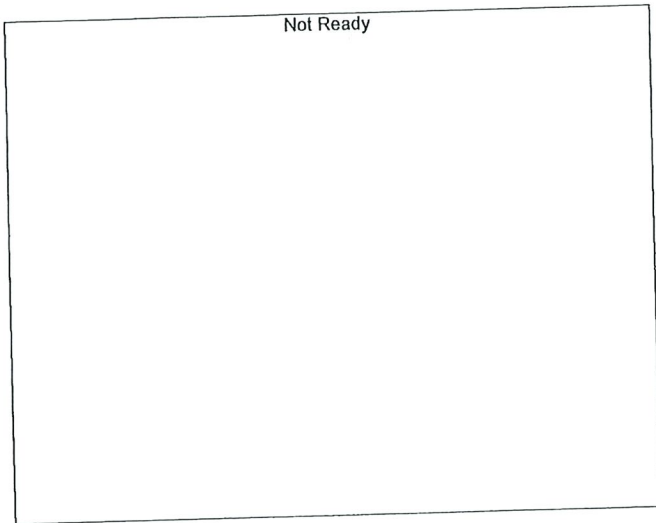
HC

TS



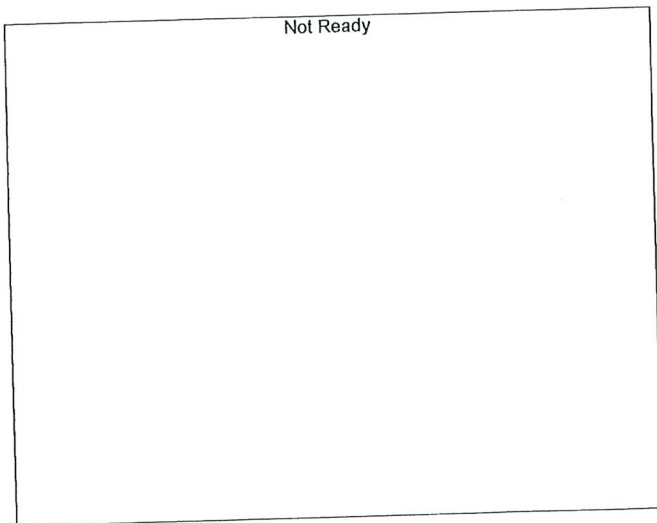
Name : DFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.
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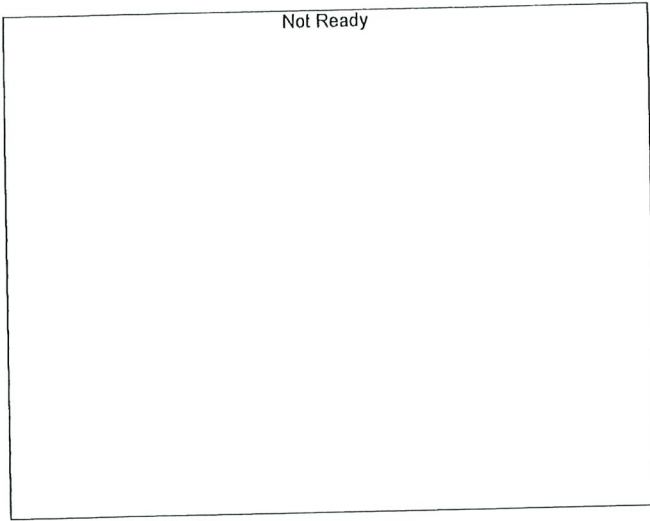


Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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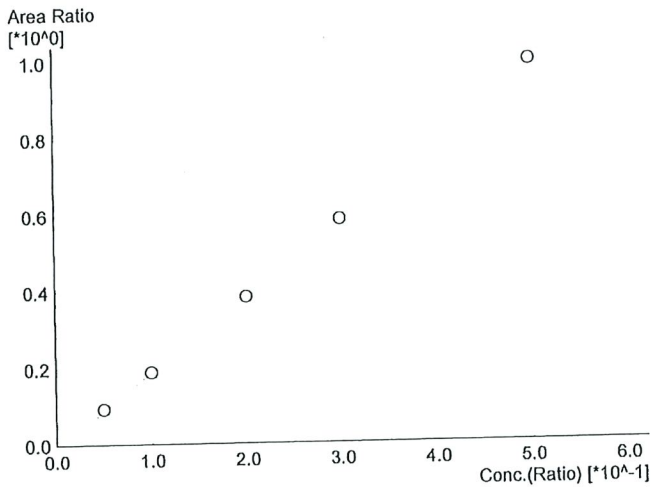
HC

TS



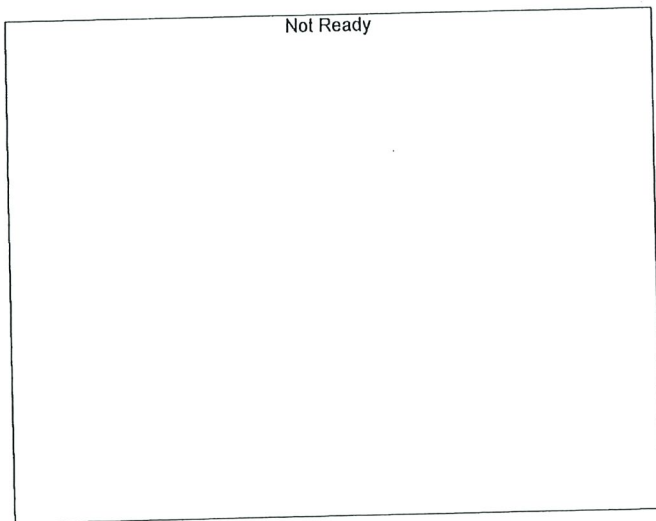
Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.00537*x-0.0128128$  ✓  
 R<sup>2</sup> value= 0.9998022  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	15795	0.0525
2	0.100	32923	0.1003
3	0.200	65373	0.1975
4	0.300	101129	0.2972
5	0.500	174691	0.5022

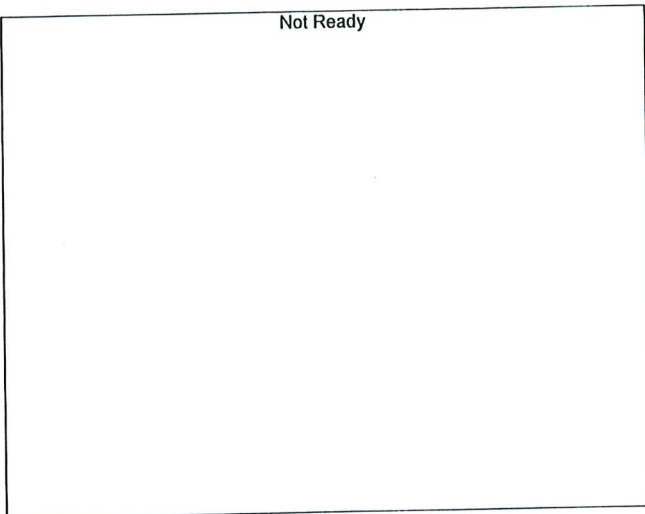


Name : ACETONE  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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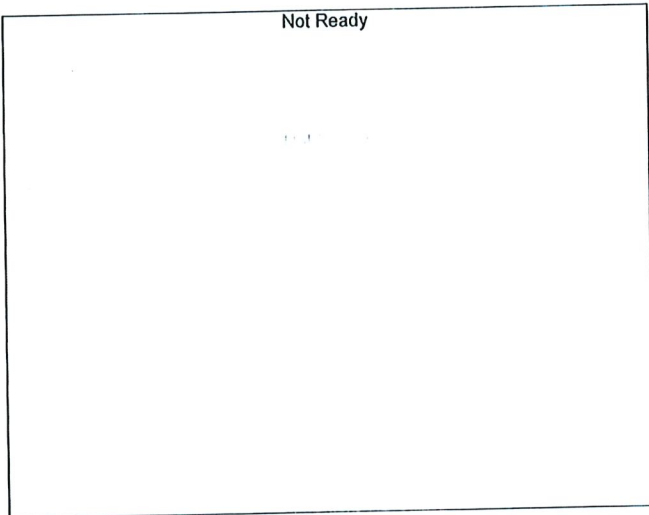
HC

TS



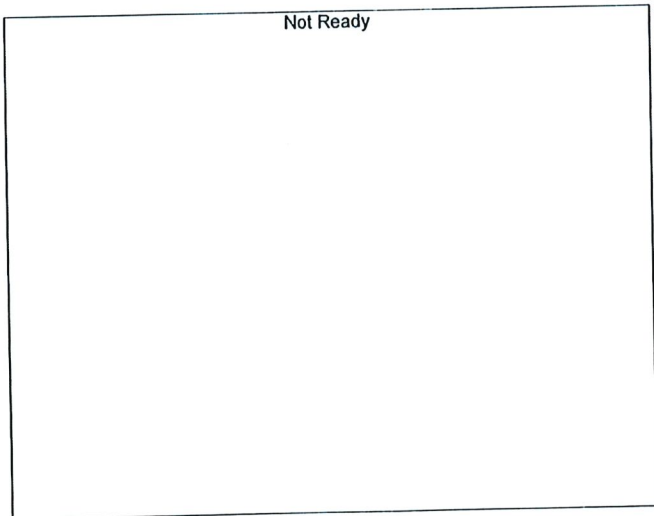
Name : ISOPROPYL ALCOHOL  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

#	Conc.	Area	Std. Conc.
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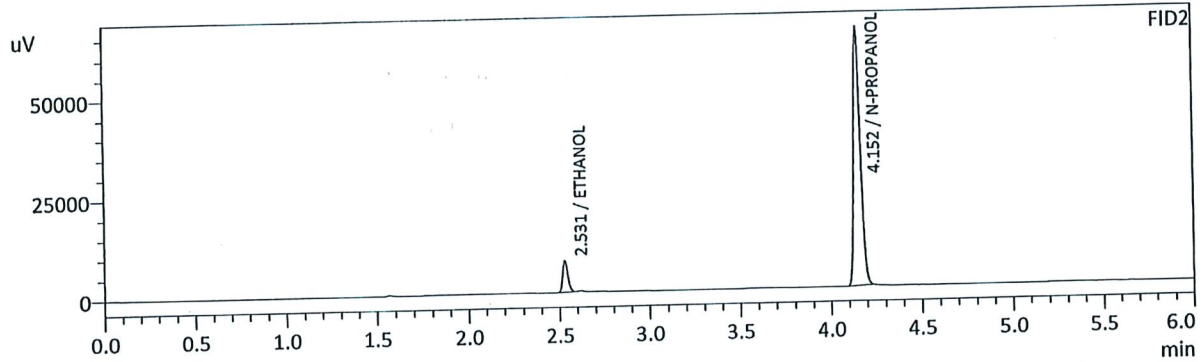
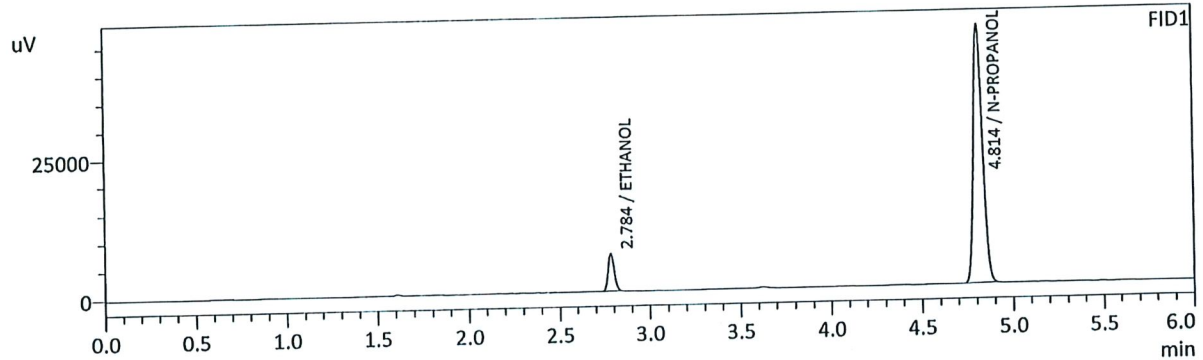


Name : TFE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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TS

Sample Name : 0.050  
 Vial # : 1  
 Data Filename : 0.050\_7262021\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 07-26-21\_ts\_post.gcb  
 Date Acquired : 7/26/2021 10:17:06 AM  
 Date Processed : 7/27/2021 7:30:10 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	15522	6658
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162202	46400
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

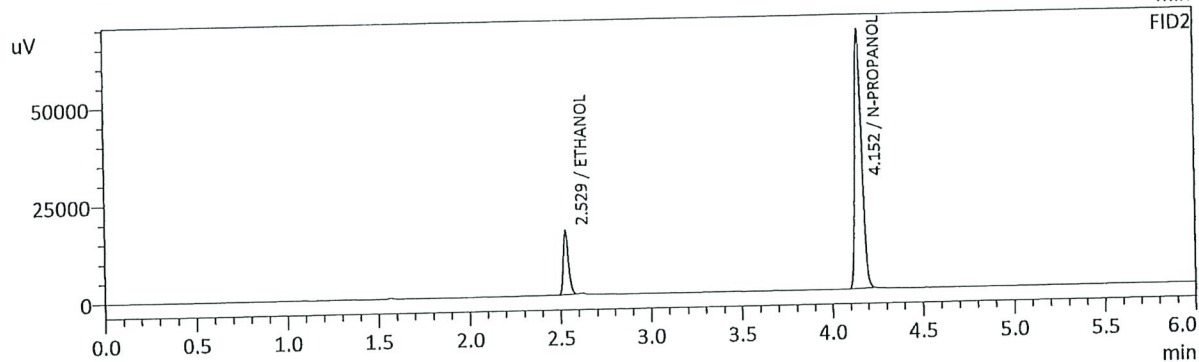
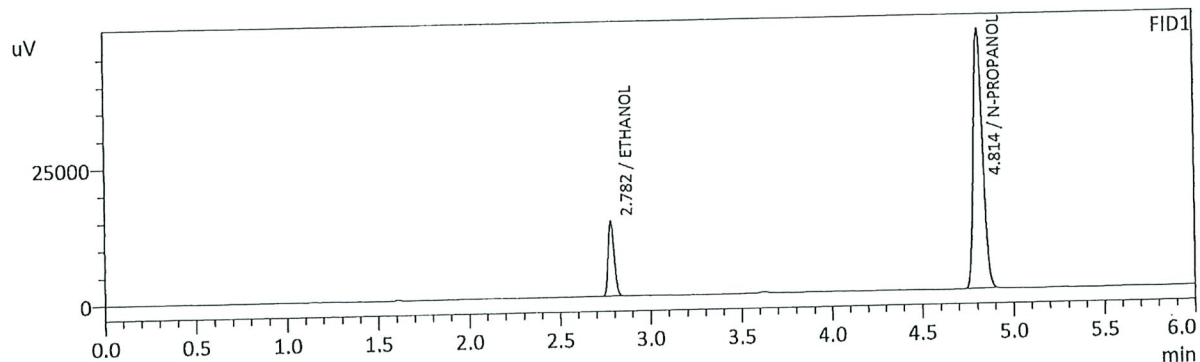
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0525	g/100cc	15795	7875
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170647	64832
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

TS

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_7262021\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 07-26-21\_ts\_post.gcb  
 Date Acquired : 7/26/2021 10:25:44 AM  
 Date Processed : 7/27/2021 7:30:12 AM



FID1					
Name	Conc.	Unit	Area	Height	
METHANOL	--	g/100cc	--	--	
ACETALDEHYDE	--	g/100cc	--	--	
ETHANOL	0.1003	g/100cc	32070	13653	
ISOPROPYL ALCOHOL	--	g/100cc	--	--	
ACETONE	--	g/100cc	--	--	
N-PROPANOL	0.0000	g/100cc	166251	47565	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

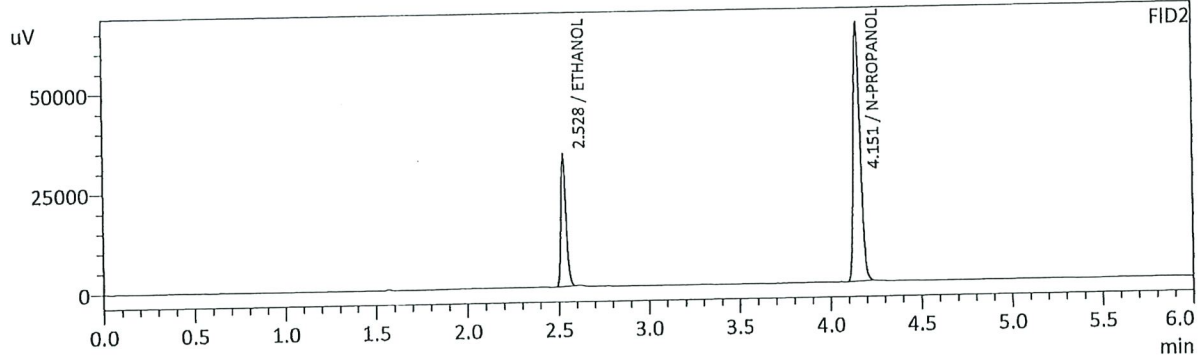
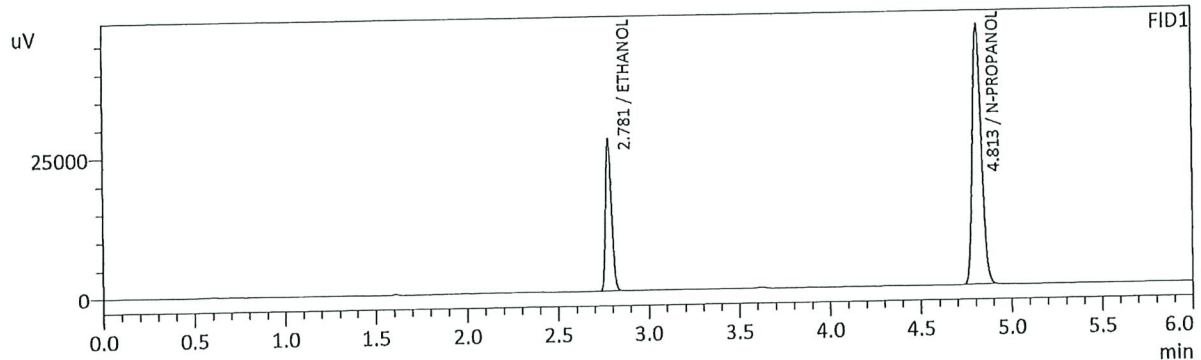
FID2					
Name	Conc.	Unit	Area	Height	
ACETALDEHYDE	--	g/100cc	--	--	
METHANOL	--	g/100cc	--	--	
ETHANOL	0.1003	g/100cc	32923	16349	
ACETONE	--	g/100cc	--	--	
ISOPROPYL ALCOHOL	--	g/100cc	--	--	
N-PROPANOL	0.0000	g/100cc	174762	66479	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

AC



*AS*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_7262021\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 07-26-21\_ts\_post.gcb  
 Date Acquired : 7/26/2021 10:34:47 AM  
 Date Processed : 7/27/2021 7:30:13 AM

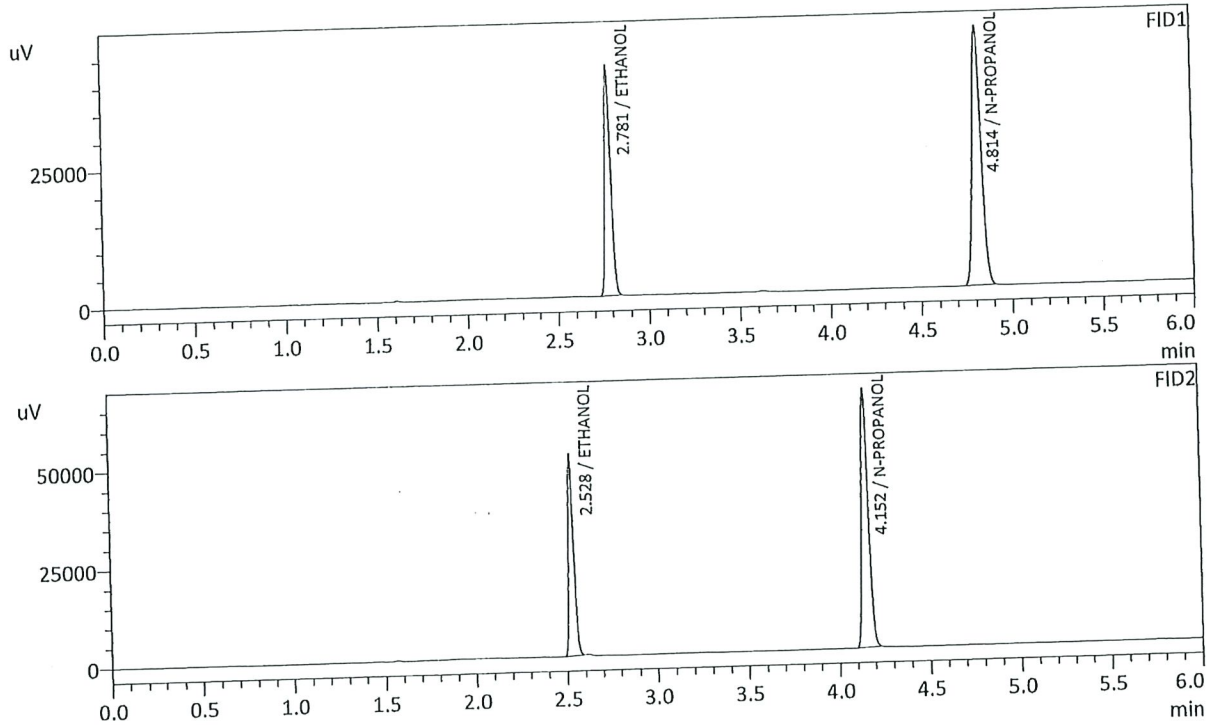


FID1					
Name	Conc.	Unit	Area	Height	
METHANOL	--	g/100cc	--	--	
ACETALDEHYDE	--	g/100cc	--	--	
ETHANOL	0.1982	g/100cc	63095	26946	
ISOPROPYL ALCOHOL	--	g/100cc	--	--	
ACETONE	--	g/100cc	--	--	
N-PROPANOL	0.0000	g/100cc	162327	46394	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

FID2					
Name	Conc.	Unit	Area	Height	
ACETALDEHYDE	--	g/100cc	--	--	
METHANOL	--	g/100cc	--	--	
ETHANOL	0.1975	g/100cc	65373	33085	
ACETONE	--	g/100cc	--	--	
ISOPROPYL ALCOHOL	--	g/100cc	--	--	
N-PROPANOL	0.0000	g/100cc	170513	64798	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

*AC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_7262021\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 07-26-21\_ts\_post.gcb  
 Date Acquired : 7/26/2021 10:43:23 AM  
 Date Processed : 7/27/2021 7:30:15 AM



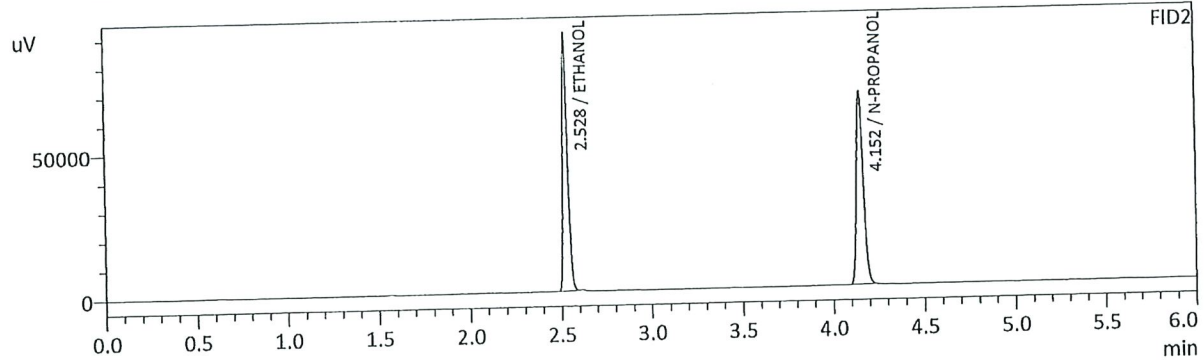
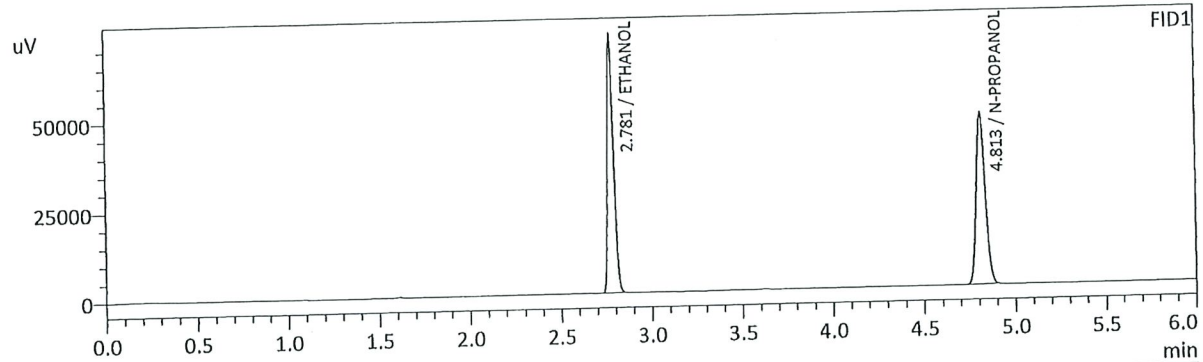
FID1				
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2980	g/100cc	97445	41671
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165636	47261
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2972	g/100cc	101129	51294
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173377	65941
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*HC*

15

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_7262021\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 07-26-21\_ts\_post.gcb  
 Date Acquired : 7/26/2021 10:52:26 AM  
 Date Processed : 7/27/2021 7:30:16 AM

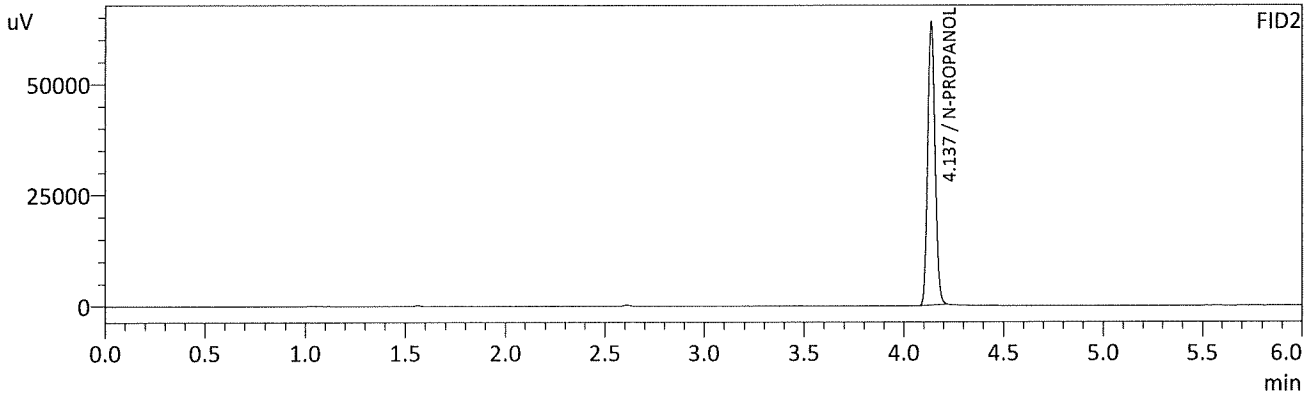
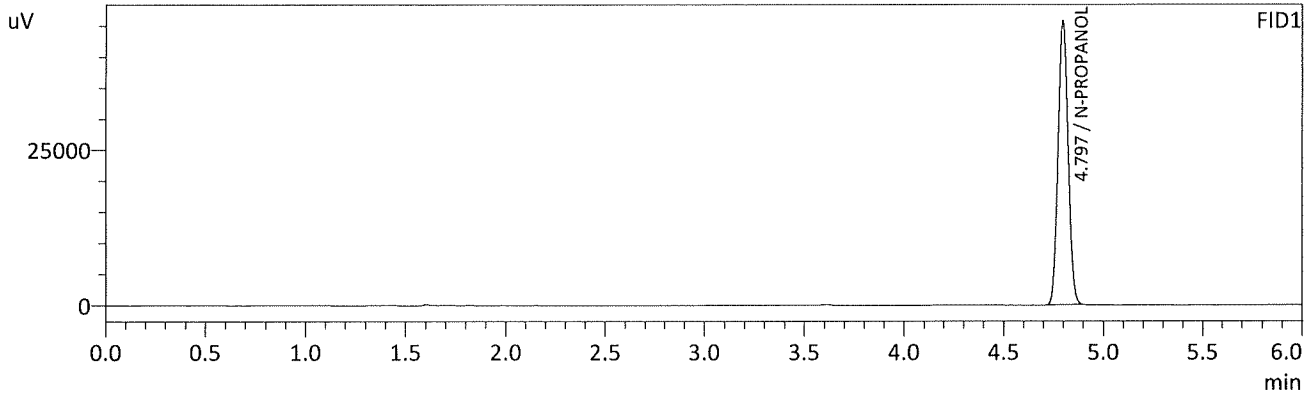


FID1				
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	167123	72253
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167888	48076
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5022	g/100cc	174691	89471
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175660	66867
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_7292021\_001.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 3:36:21 PM  
 Date Processed : 7/30/2021 8:34:30 AM



FID1

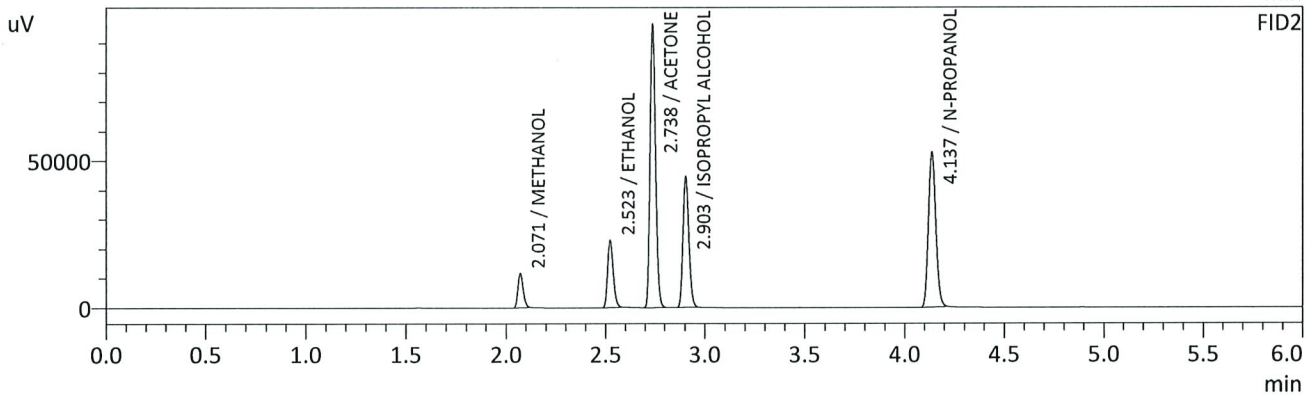
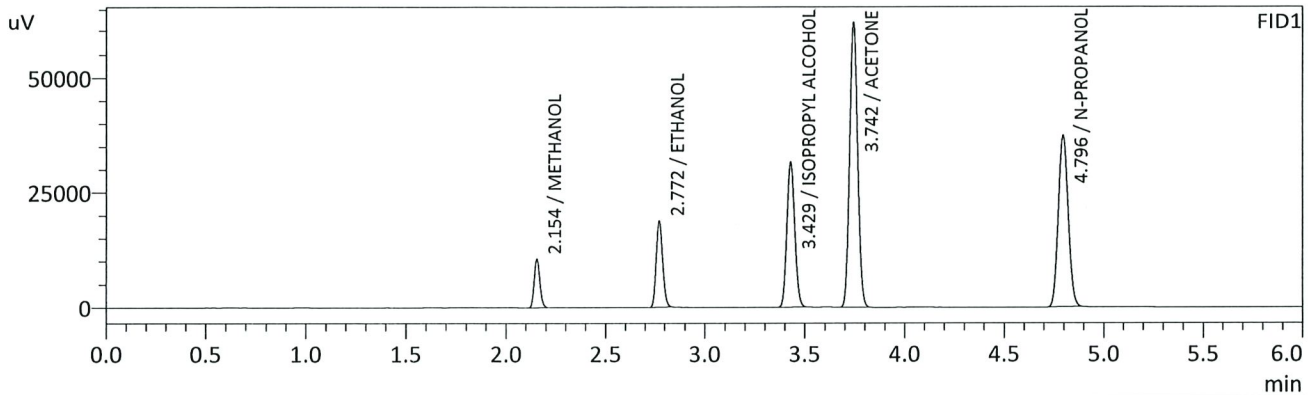
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	159610	45630
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	167552	63893
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JHC*

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_7292021\_002.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 3:44:58 PM  
 Date Processed : 7/30/2021 8:34:31 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	20690	10463
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1695	g/100cc	42614	18488
ISOPROPYL ALCOHOL	0.0000	g/100cc	86310	31405
ACETONE	0.0000	g/100cc	173676	61607
N-PROPANOL	0.0000	g/100cc	128587	37243
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

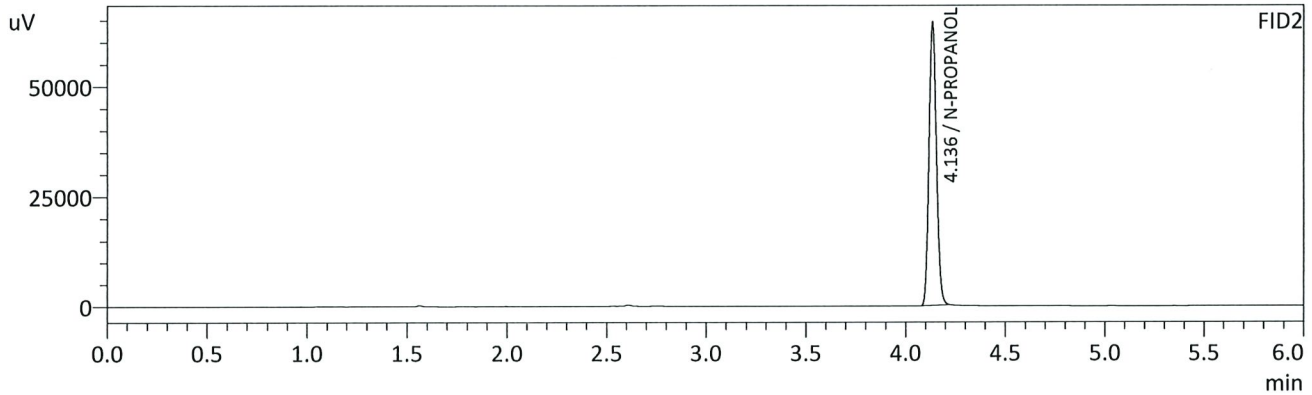
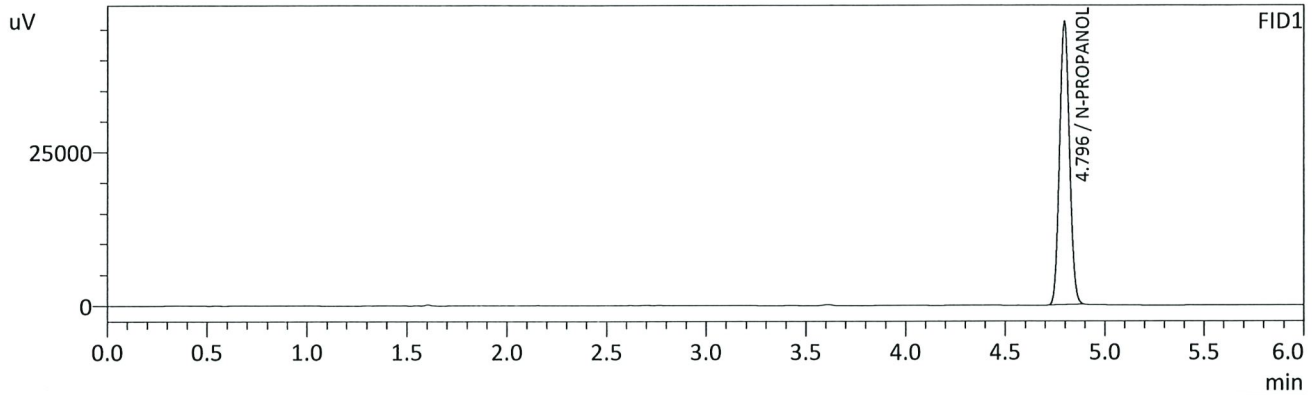
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	21272	11602
ETHANOL	0.1682	g/100cc	44093	22785
ACETONE	0.0000	g/100cc	187466	95960
ISOPROPYL ALCOHOL	0.0000	g/100cc	91063	43943
N-PROPANOL	0.0000	g/100cc	135815	52720
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*



Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_7292021\_003.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 3:53:51 PM  
 Date Processed : 7/30/2021 8:34:32 AM



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	160556	46088
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	168158	64178
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*chc*



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC1-1

Analysis Date(s): 7/29/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0746	0.0745	0.0001	0.0745	0.0010	0.0750
(g/100cc)	0.0756	0.0754	0.0002	0.0755		

**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

	<b>Reported Result</b>	
	0.075	

*Calibration and control data are stored centrally.*

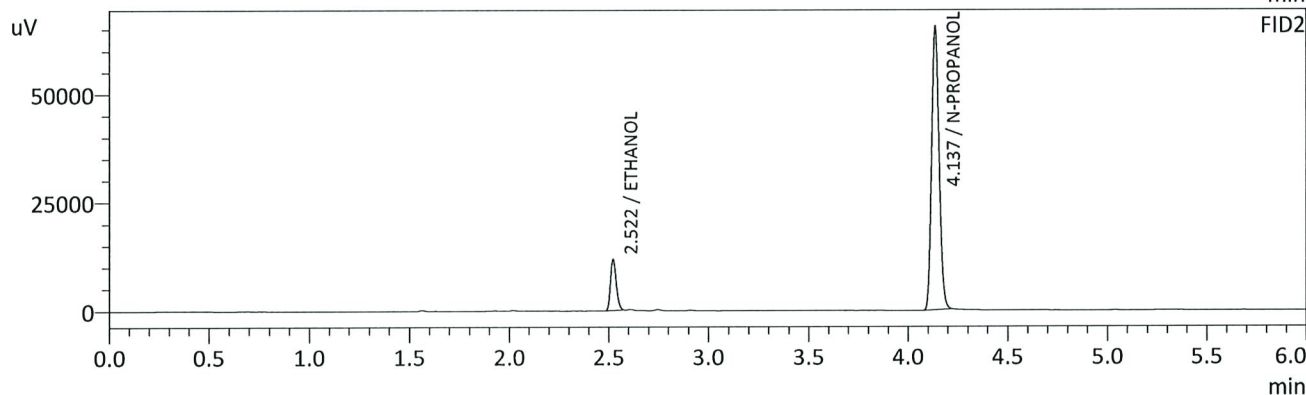
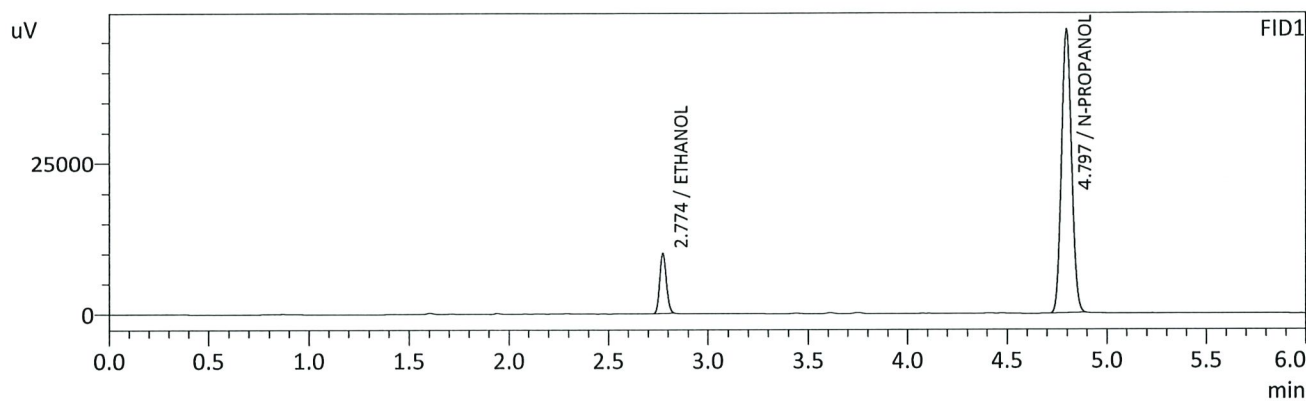


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A  
 Vial # : 4  
 Data Filename : QC-1-1-A\_7292021\_004.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 4:02:33 PM  
 Date Processed : 7/30/2021 8:34:33 AM



FID1

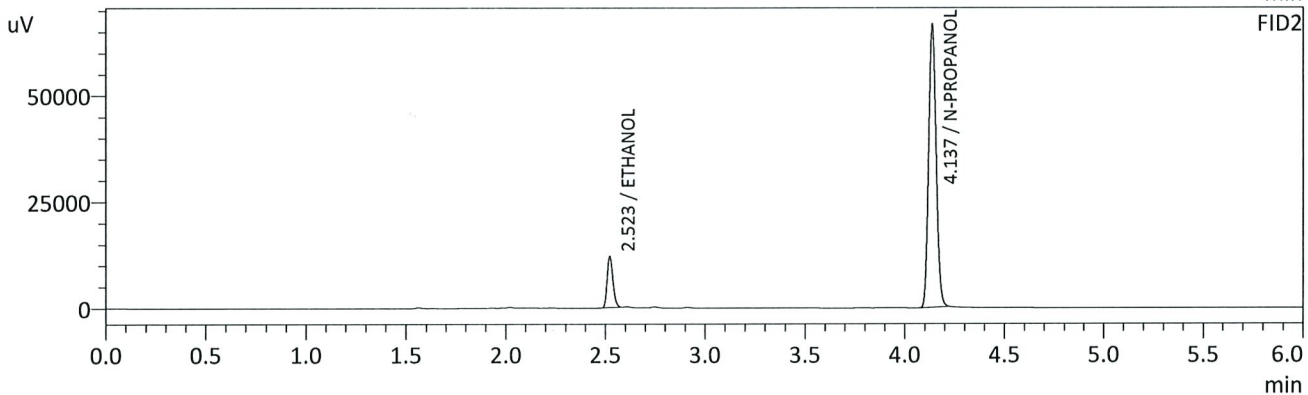
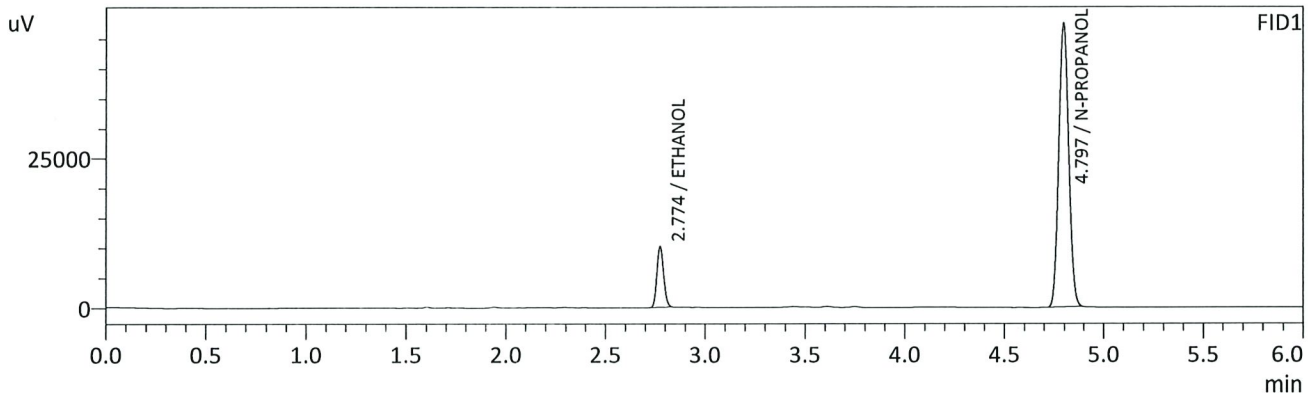
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0746	g/100cc	23142	9899
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163610	46913
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	23437	11758
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171451	65414
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CHC

Sample Name : QC-1-1-B  
 Vial # : 5  
 Data Filename : QC-1-1-B\_7292021\_005.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 4:11:43 PM  
 Date Processed : 7/30/2021 8:34:35 AM



## FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0756	g/100cc	23802	10165
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165862	47371
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0754	g/100cc	24073	12083
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173774	66560
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

HC

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA

Analysis Date(s): 7/29/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0806	0.0003	0.0807	0.0003	0.0808
(g/100cc)	0.0812	0.0808	0.0004	0.0810		

**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.*

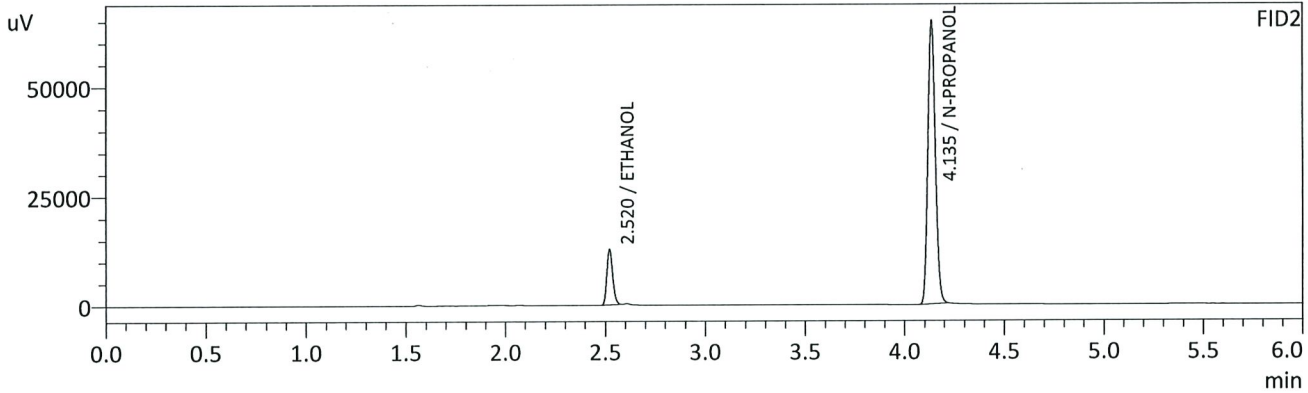
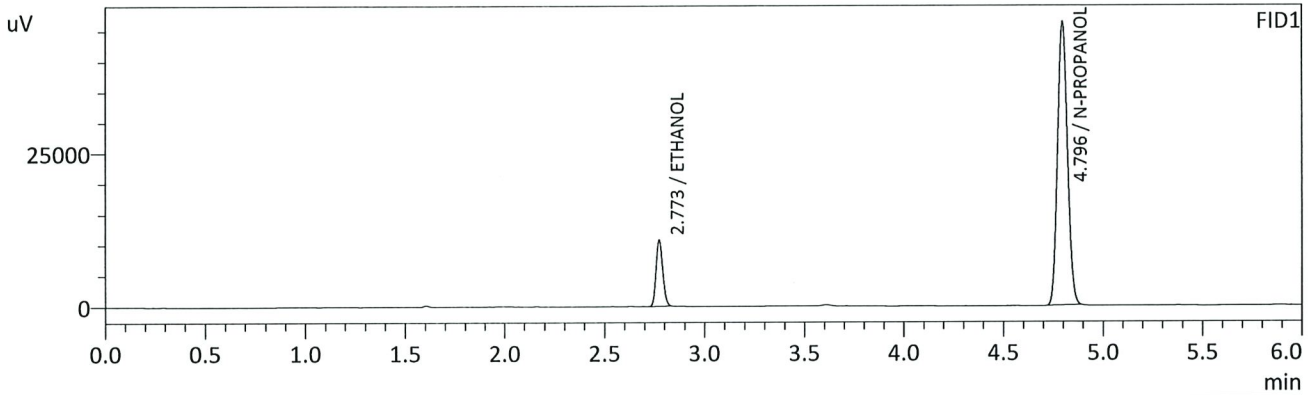
Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager



Sample Name : 0.08 QA - A  
 Vial # : 6  
 Data Filename : 0.08 QA - A\_7292021\_006.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 4:20:09 PM  
 Date Processed : 7/30/2021 8:34:36 AM



FID1

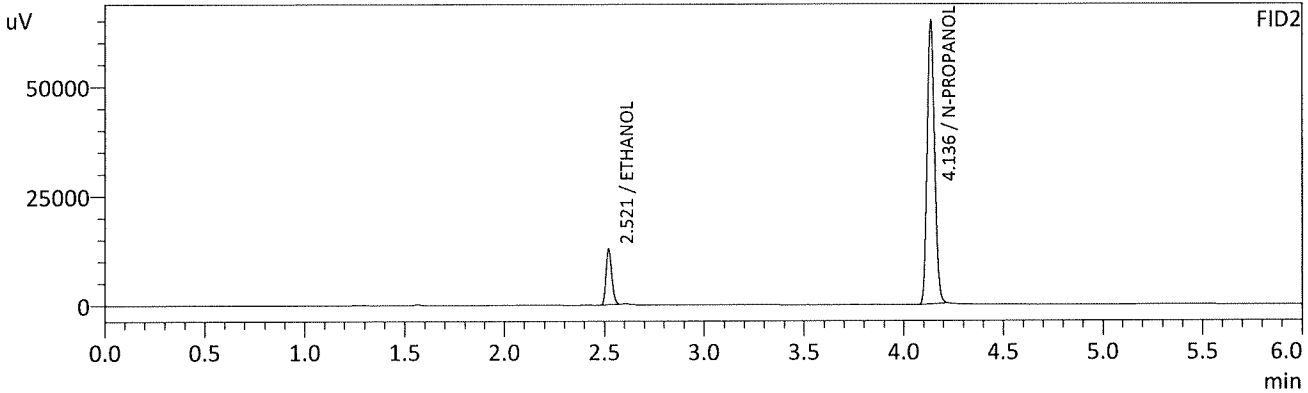
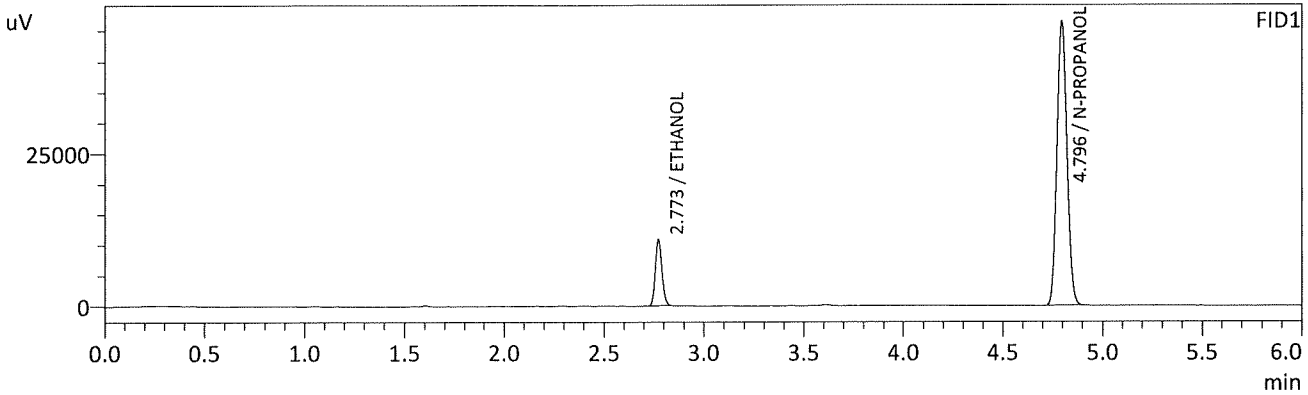
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	24965	10666
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161899	46291
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25260	12541
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169633	64364
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*HC*

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_7292021\_007.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 4:28:59 PM  
 Date Processed : 7/30/2021 8:34:37 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	25121	10726
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	162305	46400
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	25384	12664
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170067	64581
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*YPC*



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC2-1

Analysis Date(s): 7/29/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2116	0.2102	0.0014	0.2109	0.0002	0.2110
(g/100cc)	0.2117	0.2105	0.0012	0.2111		

**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.*

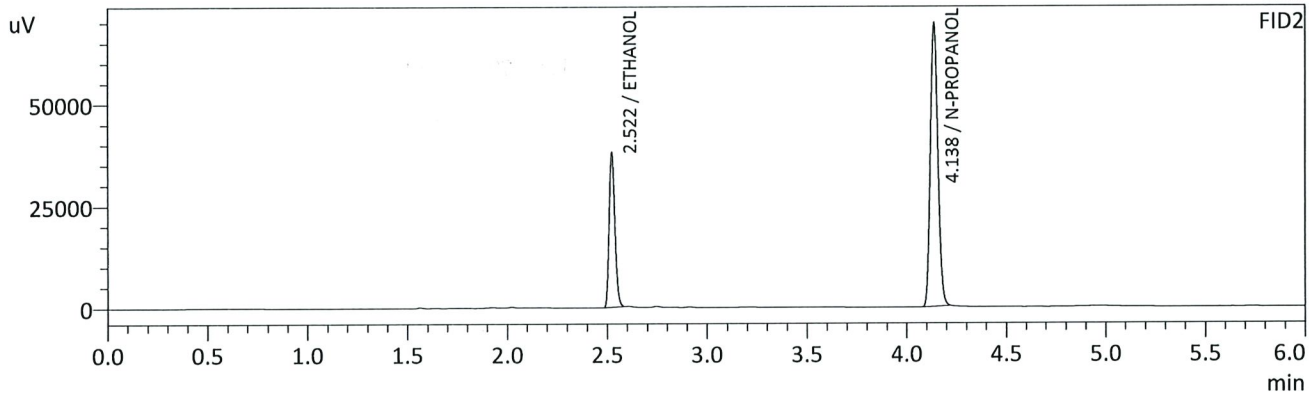
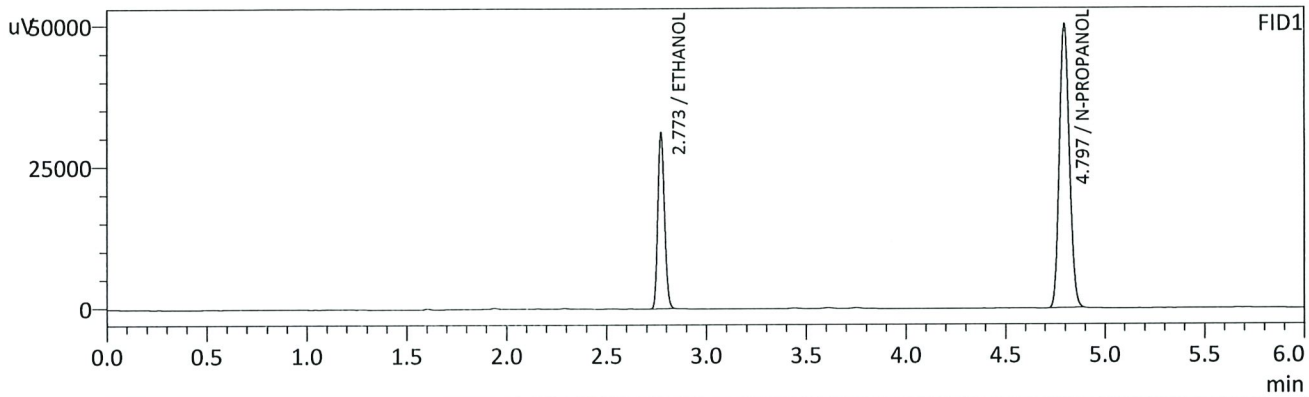


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A  
 Vial # : 26  
 Data Filename : QC-2-1-A\_7292021\_026.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 7:17:46 PM  
 Date Processed : 7/30/2021 8:35:01 AM



FID1

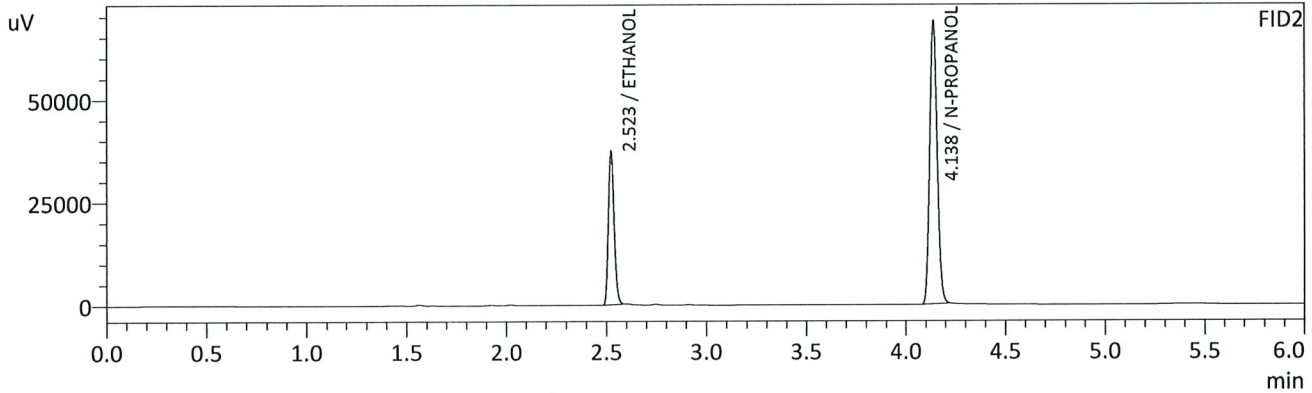
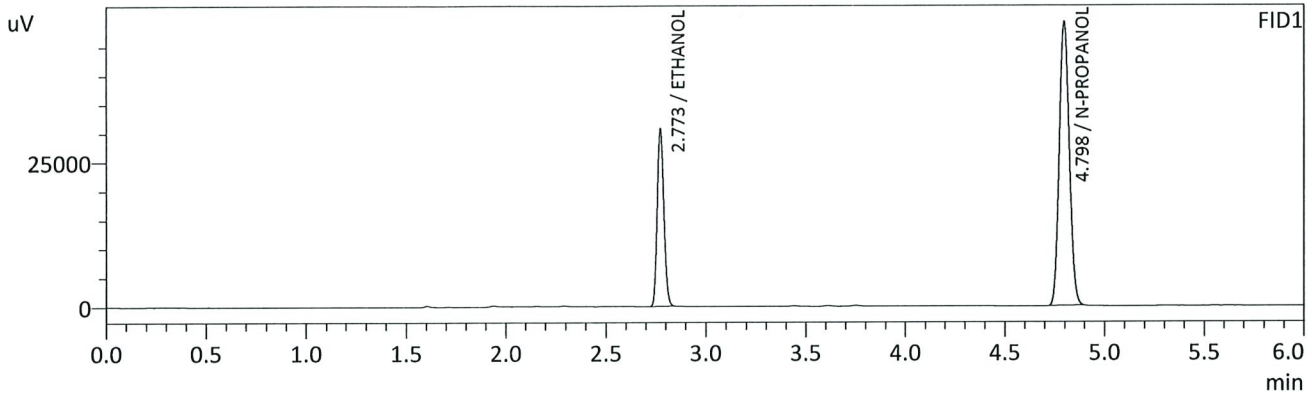
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2116	g/100cc	72485	30908
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174427	50053
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2102	g/100cc	74563	37841
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182401	69593
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials in blue ink.*

Sample Name : QC-2-1-B  
 Vial # : 27  
 Data Filename : QC-2-1-B\_7292021\_027.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 7:26:35 PM  
 Date Processed : 7/30/2021 8:35:02 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	71387	30461
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171708	48945
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2105	g/100cc	73437	37237
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179365	68513
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC1-2

Analysis Date(s): 7/29/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0770	0.0006	0.0773	0.0000	0.0773
(g/100cc)	0.0775	0.0771	0.0004	0.0773		

**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.*

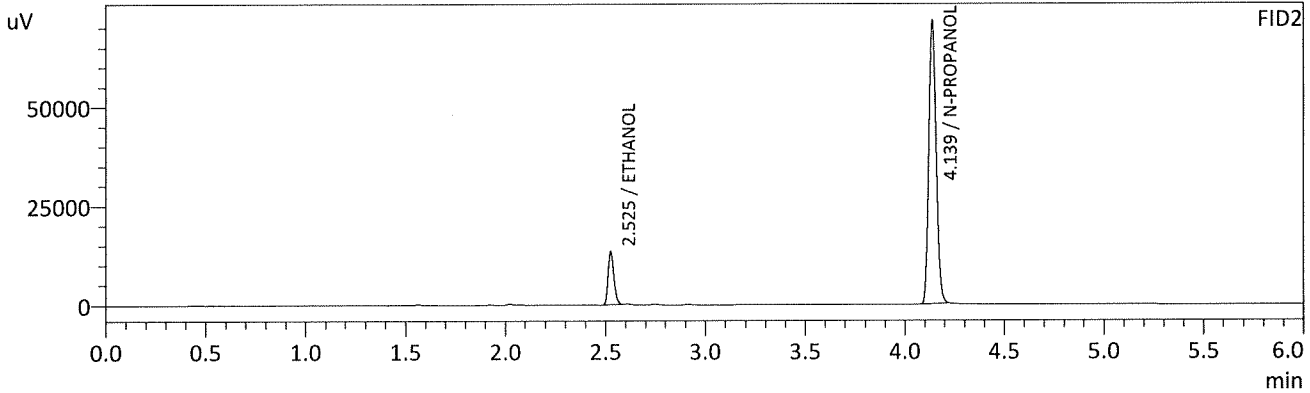
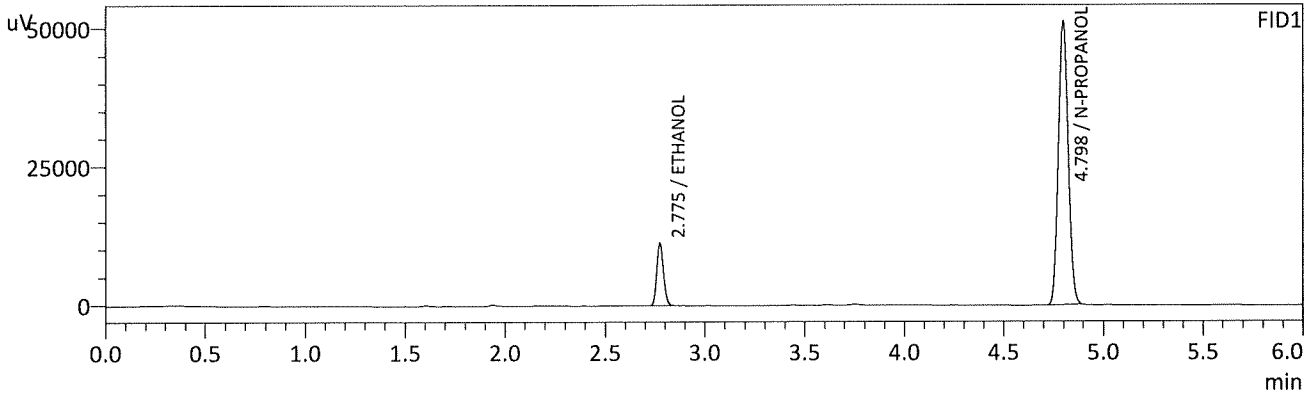


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC1-2-A  
 Vial # : 48  
 Data Filename : QC1-2-A\_7292021\_048.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 10:31:51 PM  
 Date Processed : 7/30/2021 8:35:27 AM



FID1

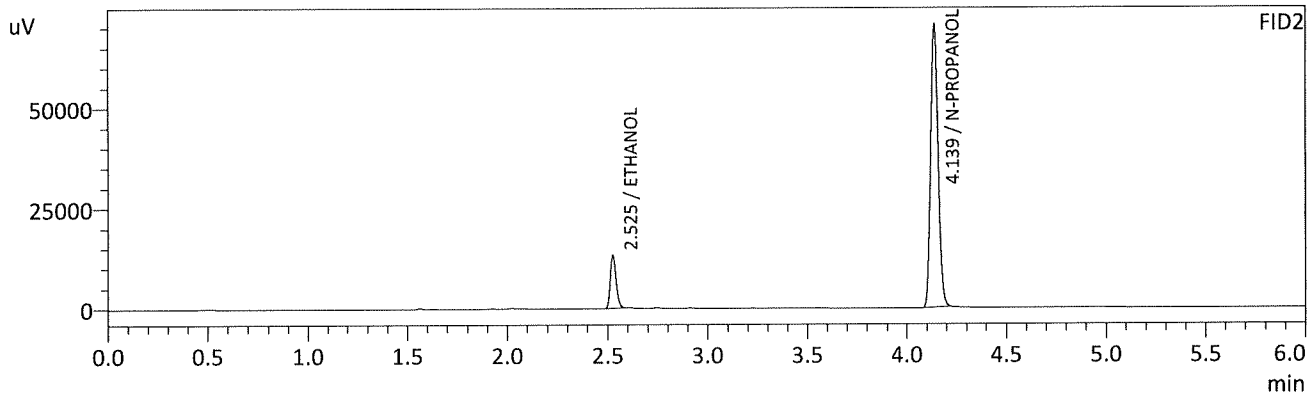
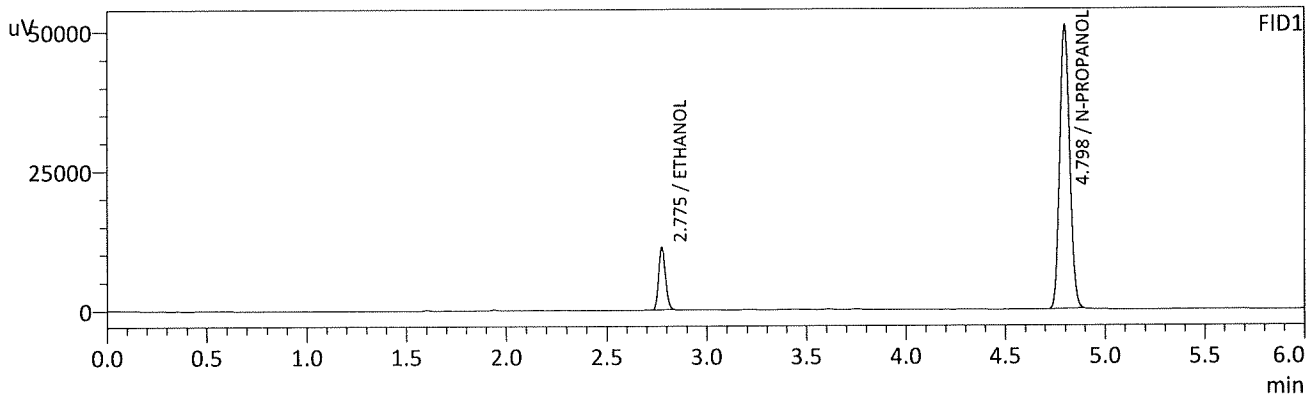
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	26389	11291
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178765	51072
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0770	g/100cc	26528	13143
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187142	71126
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_7292021\_049.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/29/2021 10:40:55 PM  
 Date Processed : 7/30/2021 8:35:28 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0775	g/100cc	26045	11144
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176817	50712
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0771	g/100cc	26190	12967
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184640	70283
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC2-2

Analysis Date(s): 7/29/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2151	0.2137	0.0014	0.2144	0.0010	0.2149
(g/100cc)	0.2158	0.2150	0.0008	0.2154		

**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
0.214	0.203	0.225	0.011

Reported Result	
0.214	

*Calibration and control data are stored centrally.*

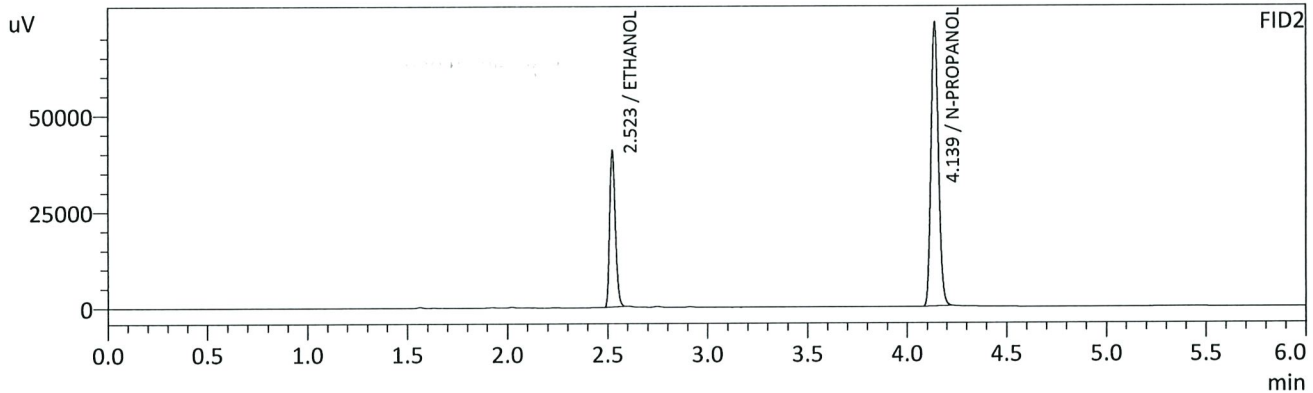
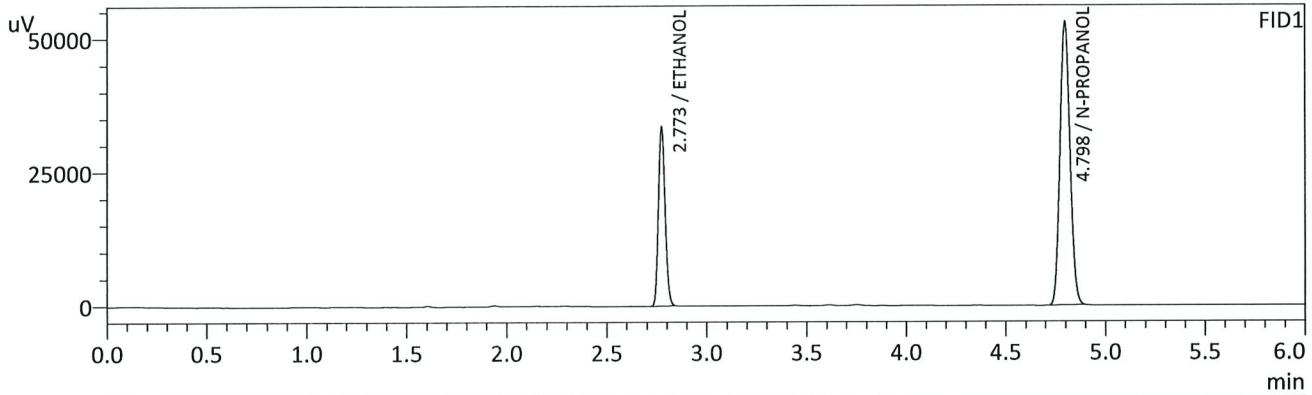


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

Sample Name : QC2-2-A  
 Vial # : 62  
 Data Filename : QC2-2-A\_7292021\_062.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/30/2021 12:35:59 AM  
 Date Processed : 7/30/2021 8:35:44 AM



FID1

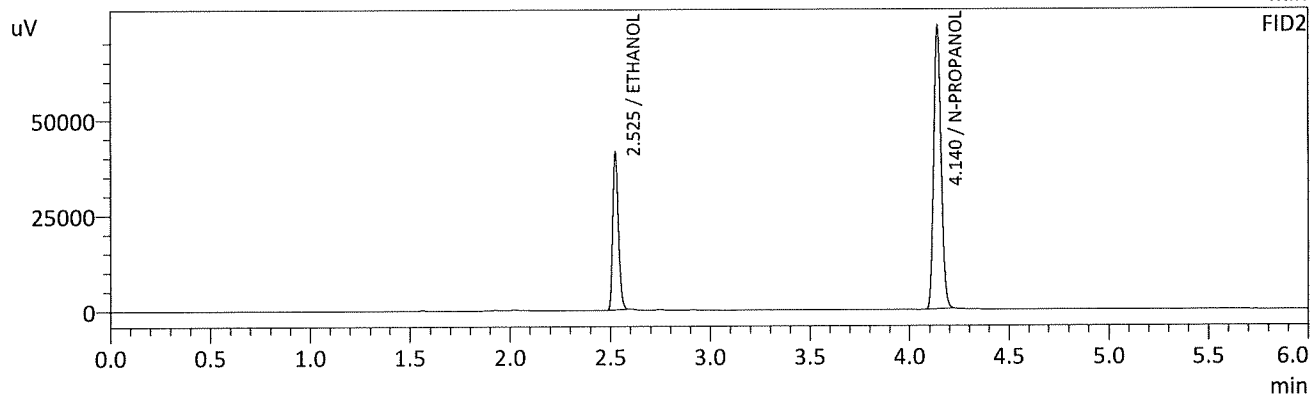
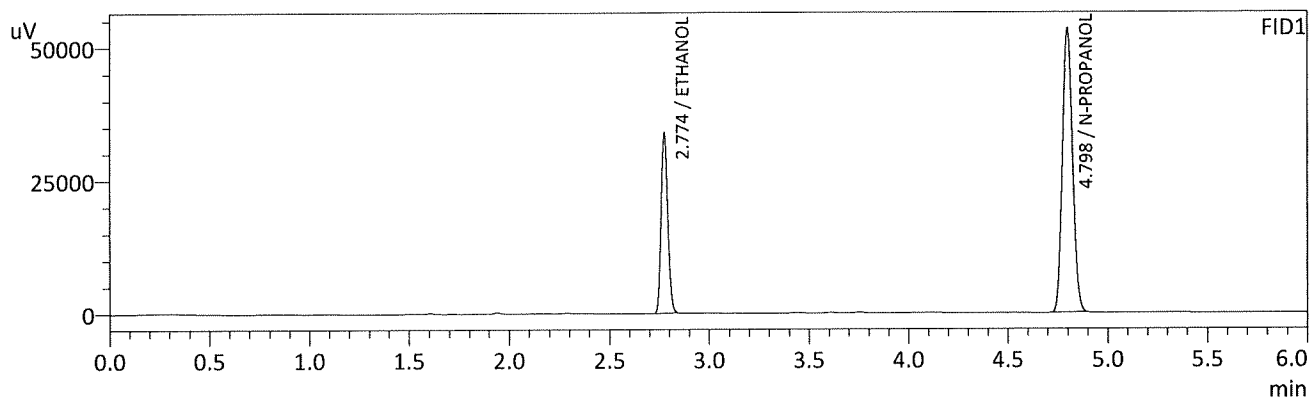
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2151	g/100cc	77908	33368
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184431	52781
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2137	g/100cc	80070	40646
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192577	73509
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : QC2-2-B  
 Vial # : 63  
 Data Filename : QC2-2-B\_7292021\_063.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/30/2021 12:44:45 AM  
 Date Processed : 7/30/2021 8:35:45 AM



FID1

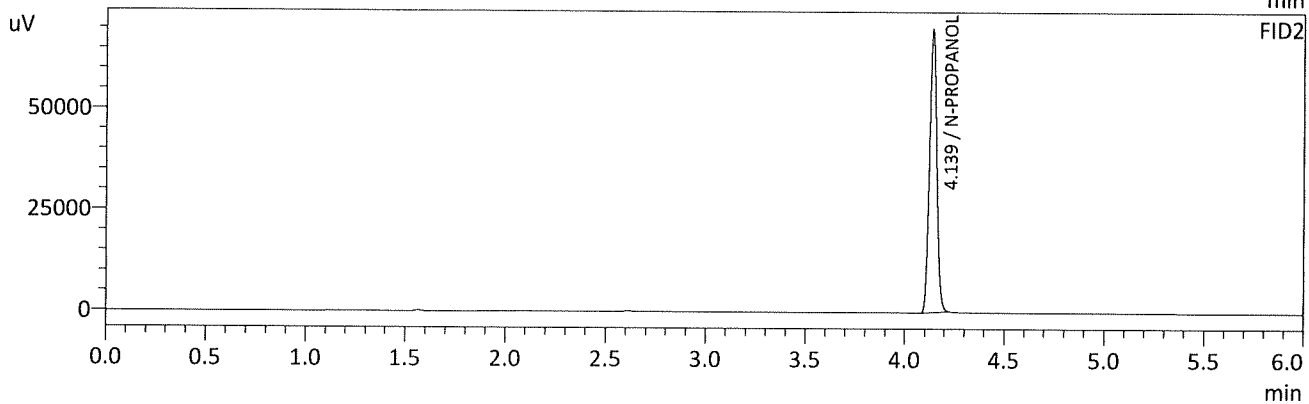
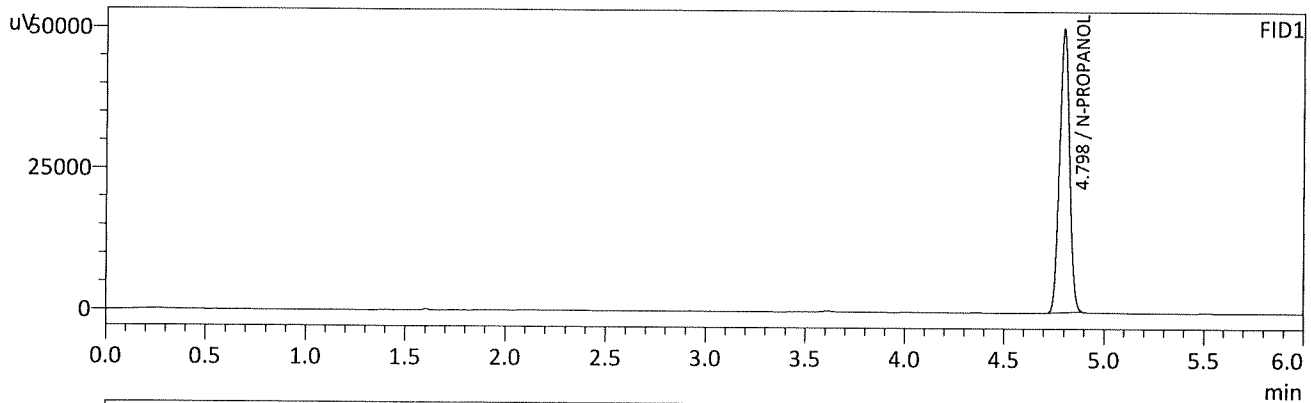
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2158	g/100cc	78812	33793
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185904	53195
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2150	g/100cc	81019	40646
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193632	73586
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CHC*

Sample Name : INT STD BLK 3  
 Vial # : 64  
 Data Filename : INT STD BLK 3\_7292021\_064.gcd  
 Method Filename : ALCOHOL.gcm  
 Batch Filename : 7-29-21 batch.gcb  
 Date Acquired : 7/30/2021 12:53:38 AM  
 Date Processed : 7/30/2021 8:35:46 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	174522	50013
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	182297	69774
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Name	Date modified	Type	Size
7-29-21 batch_20210729235742.pdf	7/29/2021 11:57 PM	PDF File	14 KB
7-29-21 batch_20210730000643.pdf	7/30/2021 12:06 AM	PDF File	15 KB
7-29-21 batch_20210730001535.pdf	7/30/2021 12:15 AM	PDF File	15 KB
7-29-21 batch_20210730002431.pdf	7/30/2021 12:24 AM	PDF File	14 KB
7-29-21 batch_20210730003325.pdf	7/30/2021 12:33 AM	PDF File	15 KB
7-29-21 batch_20210730004201.pdf	7/30/2021 12:42 AM	PDF File	14 KB
7-29-21 batch_20210730005047.pdf	7/30/2021 12:50 AM	PDF File	14 KB
7-29-21 batch_20210730005941.pdf	7/30/2021 12:59 AM	PDF File	12 KB
ALCOHOL.gcm	7/27/2021 7:31 AM	Shimadzu LabSolu...	1,128 KB
INT STD BLK 1_7292021_001.gcd	7/30/2021 8:34 AM	Shimadzu LabSolu...	1,280 KB
INT STD BLK 2_7292021_003.gcd	7/30/2021 8:34 AM	Shimadzu LabSolu...	1,288 KB
INT STD BLK 3_7292021_064.gcd	7/30/2021 8:35 AM	Shimadzu LabSolu...	1,298 KB
ISP BAC REPORT.lsr	1/14/2021 11:44 AM	Shimadzu LabSolu...	36 KB
ISP CAL CURVE REPORT.lsr	3/16/2021 9:05 AM	Shimadzu LabSolu...	60 KB
M2021-2997-1-A_7292021_058.gcd	7/30/2021 8:35 AM	Shimadzu LabSolu...	1,288 KB
M2021-2997-1-B_7292021_059.gcd	7/30/2021 8:35 AM	Shimadzu LabSolu...	1,292 KB
M2021-2998-1-A_7292021_060.gcd	7/30/2021 8:35 AM	Shimadzu LabSolu...	1,292 KB
M2021-2998-1-B_7292021_061.gcd	7/30/2021 8:35 AM	Shimadzu LabSolu...	1,292 KB
MASTER TEMPLATE.gcb	3/25/2021 1:40 PM	Shimadzu LabSolu...	112 KB
MASTER TEMPLATE.PDF	3/18/2021 10:04 AM	PDF File	42 KB
MULTI-COMP MIX_7292021_002.gcd	7/30/2021 8:34 AM	Shimadzu LabSolu...	1,292 KB
OLD ISP BAC REPORT.lsr	10/30/2020 11:14 AM	Shimadzu LabSolu...	52 KB
OLDALCOHOL.gcm	11/13/2020 5:05 PM	Shimadzu LabSolu...	1,144 KB

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# 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	INT STD BLK 1	0:Unknown	ALCOHOL.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_1292021_001.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL.gcm		0
4	QC-1-1-A	0:Unknown	ALCOHOL.gcm		0
5	QC-1-1-B	0:Unknown	ALCOHOL.gcm		0
6	0.08 QA - A	0:Unknown	ALCOHOL.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL.gcm		0
8	P2021-2184-2-A	0:Unknown	ALCOHOL.gcm		0
9	P2021-2184-2-B	0:Unknown	ALCOHOL.gcm		0
10	P2021-2217-1-A	0:Unknown	ALCOHOL.gcm		0
11	P2021-2217-1-B	0:Unknown	ALCOHOL.gcm		0
12	P2021-2221-1-A	0:Unknown	ALCOHOL.gcm		0
13	P2021-2221-1-B	0:Unknown	ALCOHOL.gcm		0
14	P2021-2222-1-A	0:Unknown	ALCOHOL.gcm		0
15	P2021-2222-1-B	0:Unknown	ALCOHOL.gcm		0
16	P2021-2246-1-A	0:Unknown	ALCOHOL.gcm		0
17	P2021-2246-1-B	0:Unknown	ALCOHOL.gcm		0
18	P2021-2292-1-A	0:Unknown	ALCOHOL.gcm		0
19	P2021-2292-1-B	0:Unknown	ALCOHOL.gcm		0
20	P2021-2295-1-A	0:Unknown	ALCOHOL.gcm		0
21	P2021-2295-1-B	0:Unknown	ALCOHOL.gcm		0
22	P2021-2296-1-A	0:Unknown	ALCOHOL.gcm		0
23	P2021-2296-1-B	0:Unknown	ALCOHOL.gcm		0
24	P2021-2297-1-A	0:Unknown	ALCOHOL.gcm		0
25	P2021-2297-1-B	0:Unknown	ALCOHOL.gcm		0
26	QC-2-1-A	0:Unknown	ALCOHOL.gcm		0
27	QC-2-1-B	0:Unknown	ALCOHOL.gcm		0
28	P2021-2298-1-A	0:Unknown	ALCOHOL.gcm		0
29	P2021-2298-1-B	0:Unknown	ALCOHOL.gcm		0
30	P2021-2303-1-A	0:Unknown	ALCOHOL.gcm		0
31	P2021-2303-1-B	0:Unknown	ALCOHOL.gcm		0
32	P2021-2311-1-A	0:Unknown	ALCOHOL.gcm		0
33	P2021-2311-1-B	0:Unknown	ALCOHOL.gcm		0
34	P2021-2312-1-A	0:Unknown	ALCOHOL.gcm		0
35	P2021-2312-1-B	0:Unknown	ALCOHOL.gcm		0
36	P2021-2329-1-A	0:Unknown	ALCOHOL.gcm		0
37	P2021-2329-1-B	0:Unknown	ALCOHOL.gcm		0
38	P2021-2345-1-A	0:Unknown	ALCOHOL.gcm		0
39	P2021-2345-1-B	0:Unknown	ALCOHOL.gcm		0
40	P2021-2349-1-A	0:Unknown	ALCOHOL.gcm		0
41	P2021-2349-1-B	0:Unknown	ALCOHOL.gcm		0
42	P2021-2371-1-A	0:Unknown	ALCOHOL.gcm		0
43	P2021-2371-1-B	0:Unknown	ALCOHOL.gcm		0
44	P2021-2417-1-A	0:Unknown	ALCOHOL.gcm		0
45	P2021-2417-1-B	0:Unknown	ALCOHOL.gcm		0
46	P2021-2419-1-A	0:Unknown	ALCOHOL.gcm		0
47	P2021-2419-1-B	0:Unknown	ALCOHOL.gcm		0
48	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
50	P2021-2421-1-A	0:Unknown	ALCOHOL.gcm		0
51	P2021-2421-1-B	0:Unknown	ALCOHOL.gcm		0
52	P2021-2422-1-A	0:Unknown	ALCOHOL.gcm		0



Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	P2021-2422-1-B	0:Unknown	ALCOHOL.gcm		0
54	P2021-2436-1-A	0:Unknown	ALCOHOL.gcm		0
55	P2021-2436-1-B	0:Unknown	ALCOHOL.gcm		0
56	P2021-2439-1-A	0:Unknown	ALCOHOL.gcm		0
57	P2021-2439-1-B	0:Unknown	ALCOHOL.gcm		0
58	M2021-2997-1-A	0:Unknown	ALCOHOL.gcm		0
59	M2021-2997-1-B	0:Unknown	ALCOHOL.gcm		0
60	M2021-2998-1-A	0:Unknown	ALCOHOL.gcm		0
61	M2021-2998-1-B	0:Unknown	ALCOHOL.gcm		0
62	QC2-2-A	0:Unknown	ALCOHOL.gcm		0
63	QC2-2-B	0:Unknown	ALCOHOL.gcm		0
64	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0