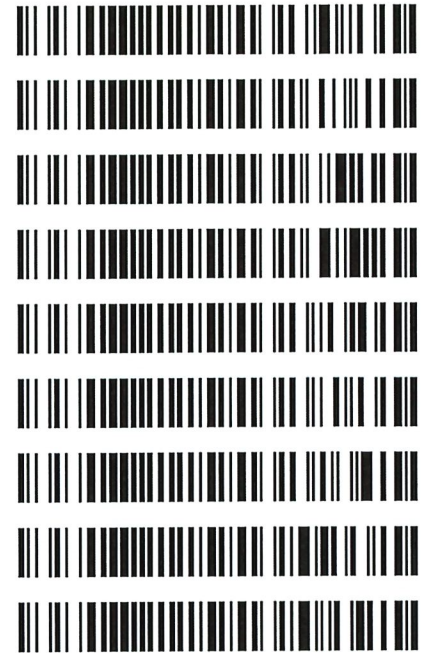


Worklist: 5042

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2240	1	BCK	Alcohol Analysis	
M2021-2241	1	BCK	Alcohol Analysis	
M2021-2266	2	UCK	Alcohol Analysis	
M2021-2268	2	BCK	Alcohol Analysis	
P2021-1512	3	BCK	Alcohol Analysis	
P2021-1542	1	BCK	Alcohol Analysis	
P2021-1643	1	BCK	Alcohol Analysis	
P2021-1644	1	BCK	Alcohol Analysis	
P2021-1645	1	BCK	Alcohol Analysis	
P2021-1646	1	BCK	Alcohol Analysis	
P2021-1647	1	BCK	Alcohol Analysis	
P2021-1654	1	BCK	Alcohol Analysis	
P2021-1655	1	BCK	Alcohol Analysis	
P2021-1656	1	BCK	Alcohol Analysis	
P2021-1658	1	BCK	Alcohol Analysis	
P2021-1700	1	BCK	Alcohol Analysis	
P2021-1714	1	BCK	Alcohol Analysis	
P2021-1718	1	BCK	Alcohol Analysis	
P2021-1719	1	BCK	Alcohol Analysis	
P2021-1720	1	BCK	Alcohol Analysis	
P2021-1720	2	BCK	Alcohol Analysis	

Worklist: 5042

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-1721	1	BCK	Alcohol Analysis
P2021-1724	1	BCK	Alcohol Analysis
P2021-1727	1	BCK	Alcohol Analysis
P2021-1728	1	BCK	Alcohol Analysis
P2021-1748	1	BCK	Alcohol Analysis
P2021-1749	1	BCK	Alcohol Analysis
P2021-1750	1	BCK	Alcohol Analysis
P2021-1802	1	BCK	Alcohol Analysis
P2021-1803	1	BCK	Alcohol Analysis



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): 6/9/21

Calibration curve 6/2-3/21 Worklist5006

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0762 g/100cc
					0.0799 g/100cc
					0.0790 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2119 g/100cc
					0.2161 g/100cc
Multi-Component mixture:					ok
Curve Fit:					
		Column 1	Lot #	FN06041902	
			0.99991	Column2	0.99997

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0532	0.0014	0.0525
100	0.100	0.090 - 0.110	0.1000	0.0998	0.0002	0.0999
200	0.200	0.180 - 0.220	0.1975	0.1964	0.0011	0.1969
300	0.300	0.270 - 0.330	0.2994	0.2983	0.0011	0.2988
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5011	0.5021	0.001	0.5016

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

Curve ran in
Worklist 5006

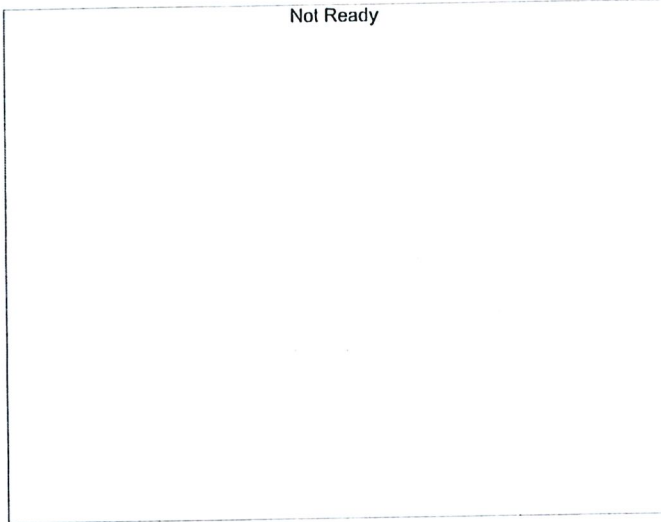
TS

RC

=====
Calibration Table
=====

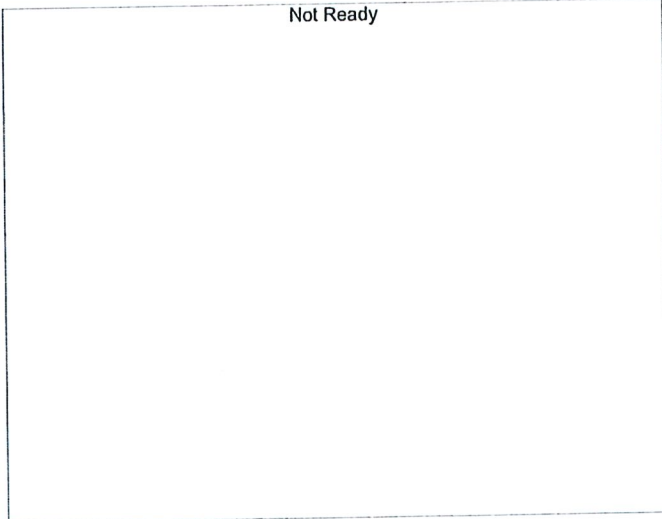
Laboratory: Pocatello
Instrument Name : GC2030-HS20

<<Method File>>
Method File :C:\LabSolutions\Data\2021\6-2-21 TSI\06-03-21 ts\ALCOHOL.gcm
Date Created :12/3/2020 11:18:14 AM
Date Modified :6/3/2021 7:34:17 AM



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

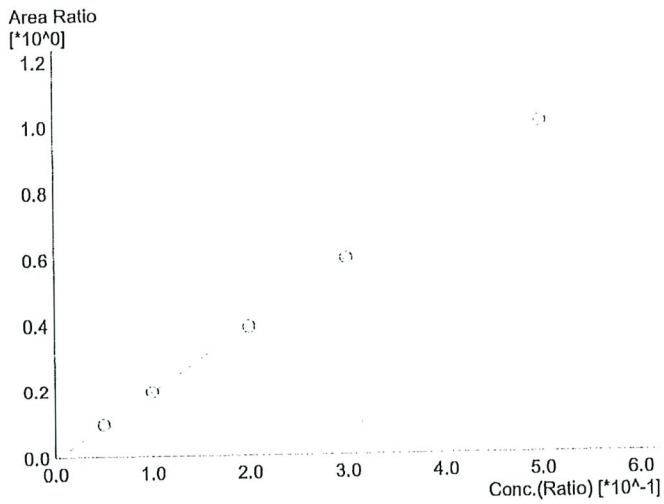
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

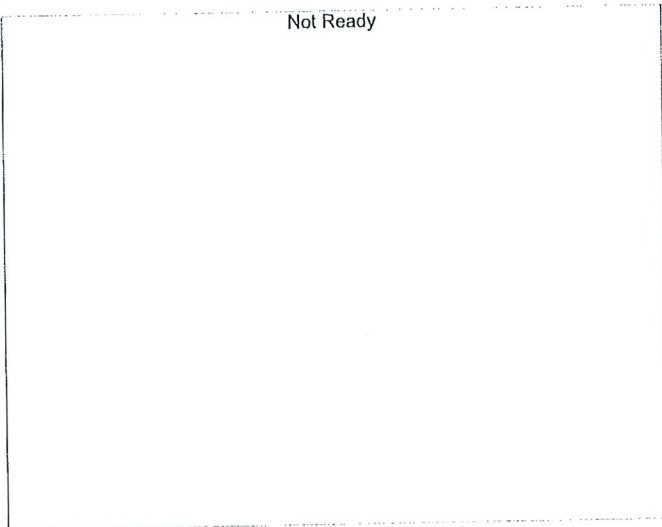
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS
RC



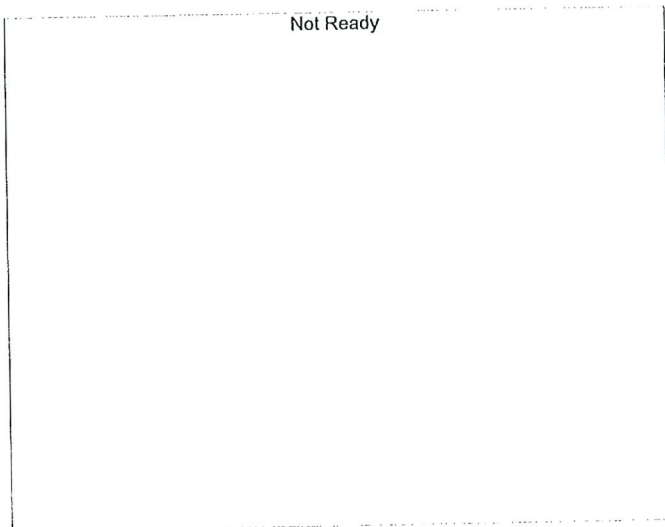
Name : ETHANOL
Detector Name: FID1
Function : $f(x)=2.01339*x-0.00646952$
R^2 value= 0.9999151 ✓
FitType: Linear
ZeroThrough: Not Through

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



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

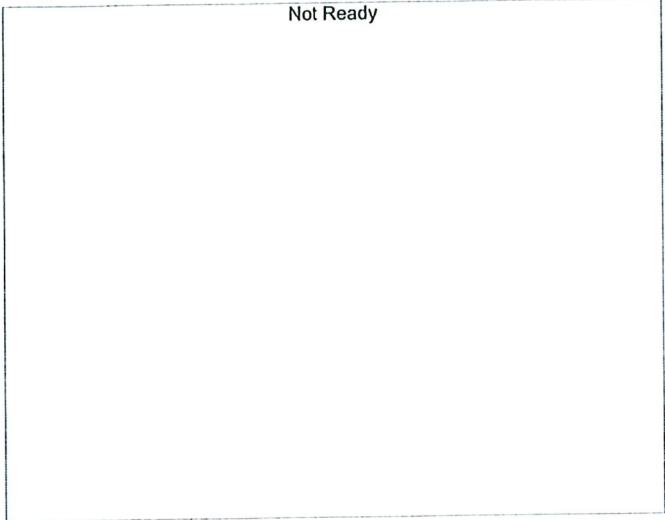
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

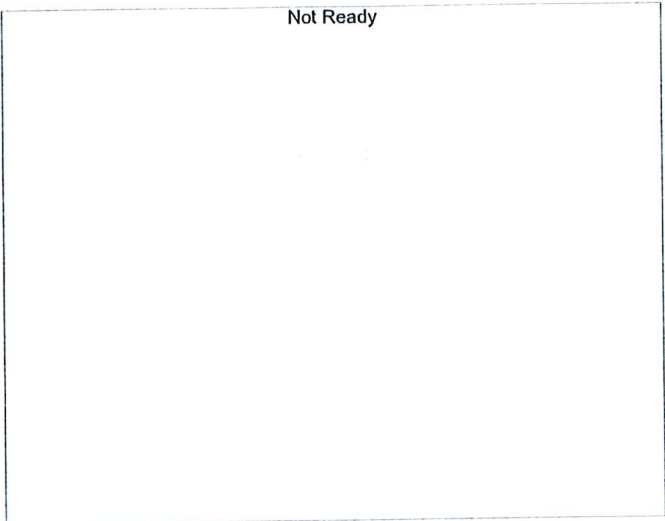
#	Conc.	Area	Std. Conc.
---	-------	------	------------

B
RC



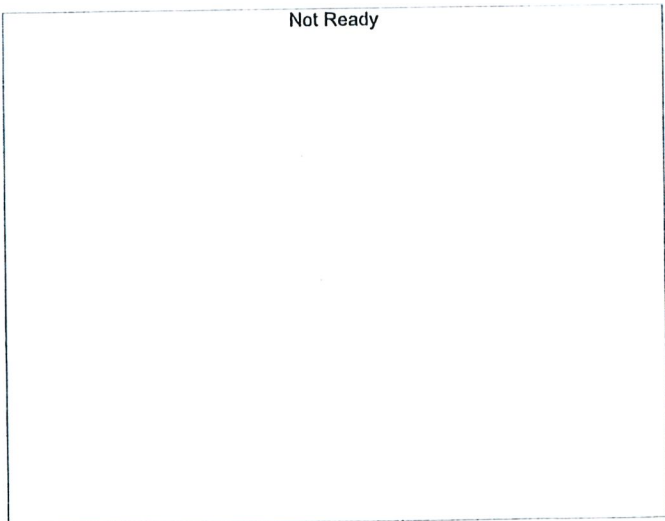
Name : DFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

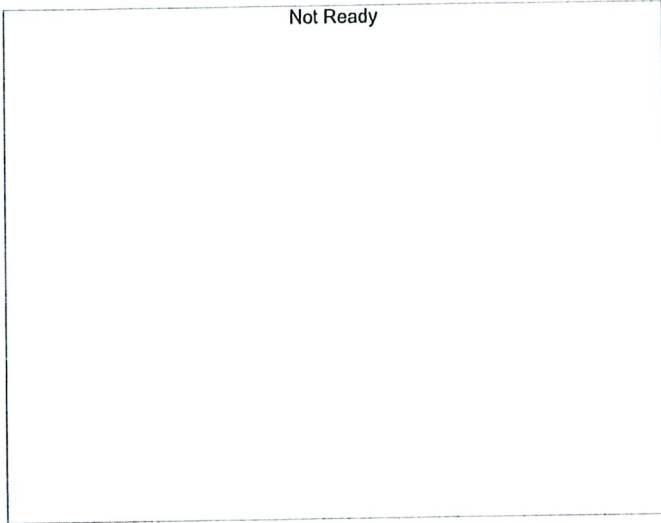
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

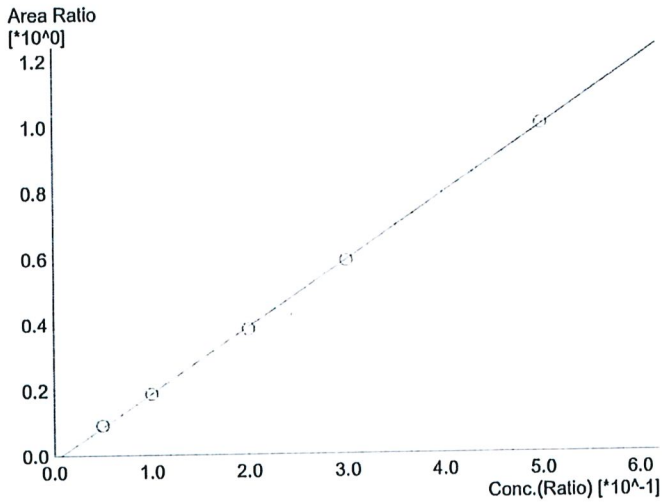
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS
RC



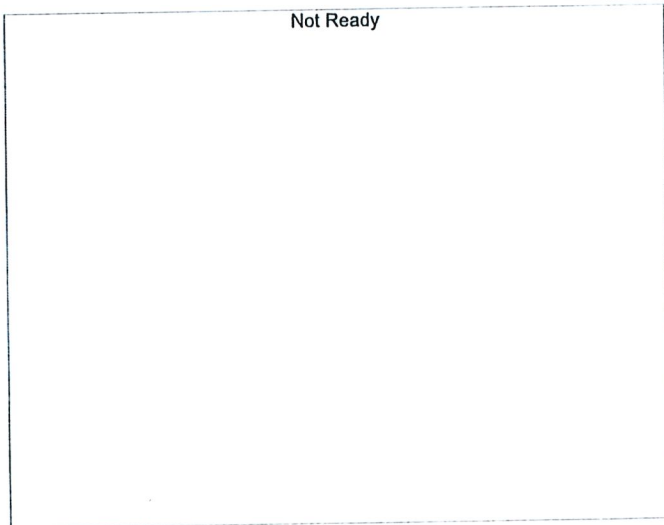
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.02153*x-0.0149488$
 R^2 value= 0.9997622 ✓
 FitType: Linear
 ZeroThrough: Not Through

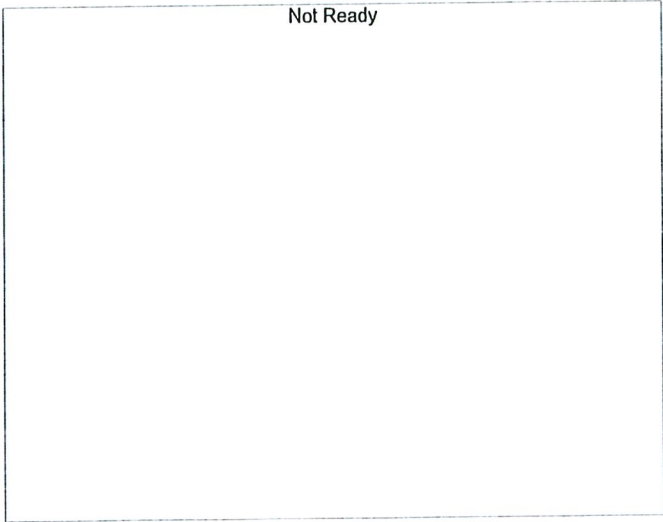
#	Conc.	Area	Std. Conc.
1	0.050	15120	0.0532
2	0.100	30722	0.0998
3	0.200	62453	0.1964
4	0.300	96094	0.2983
5	0.500	166311	0.5021



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

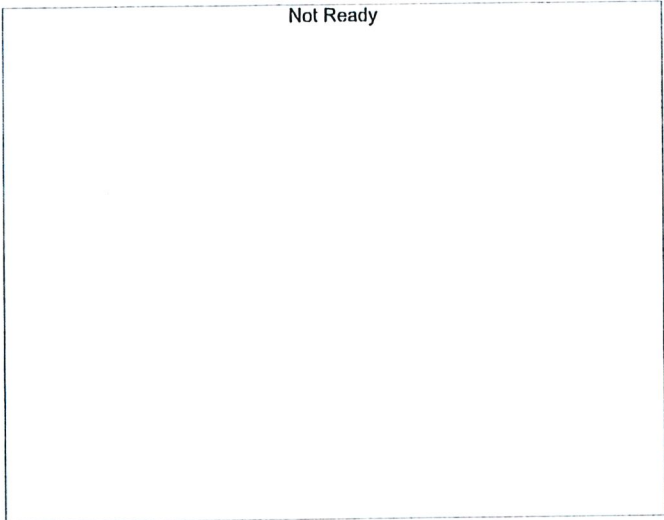
#	Conc.	Area	Std. Conc.
---	-------	------	------------

TS
RC



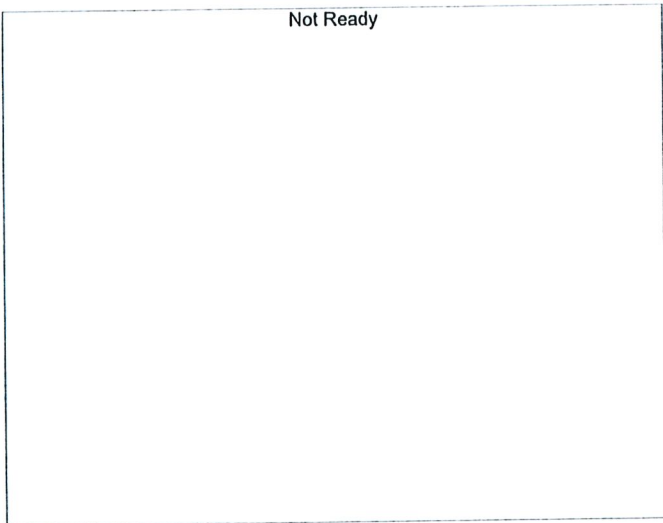
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

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



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

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

Properties - C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm

Comment File Info. Audit Trail



File Type: Method File
File ID: {F5C7891E-D131-49AD-9237-88D93D6F57E8}
Date Created: 12/3/2020 11:18:14 AM
Created by: System Administrator
Date Modified: 6/3/2021 7:34:17 AM
Modified by: System Administrator

OK

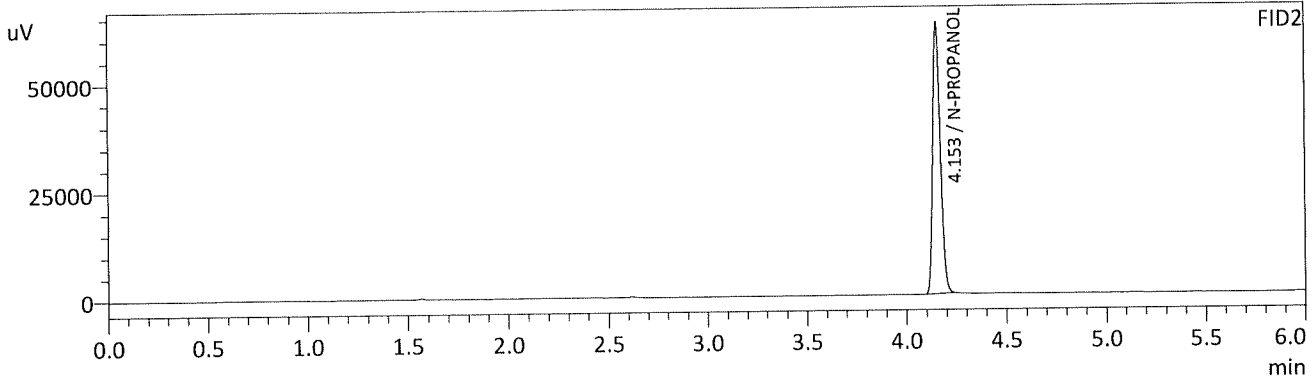
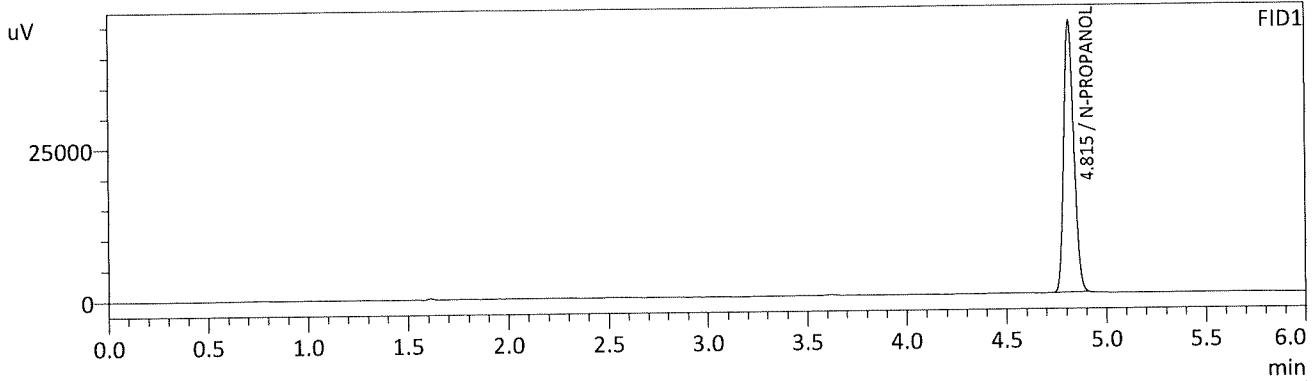
Cancel

Help

Name	Type	Ret. Time	Conc.(1)	Conc
	Target	2.165	1	
E	Target	2.299	1	
	Target	2.788	0.05	
COHOL	Target	3.447	1	
	Target	3.769	1	

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_692021_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 10:17:23 AM
 Date Processed : 6/10/2021 9:29:56 AM

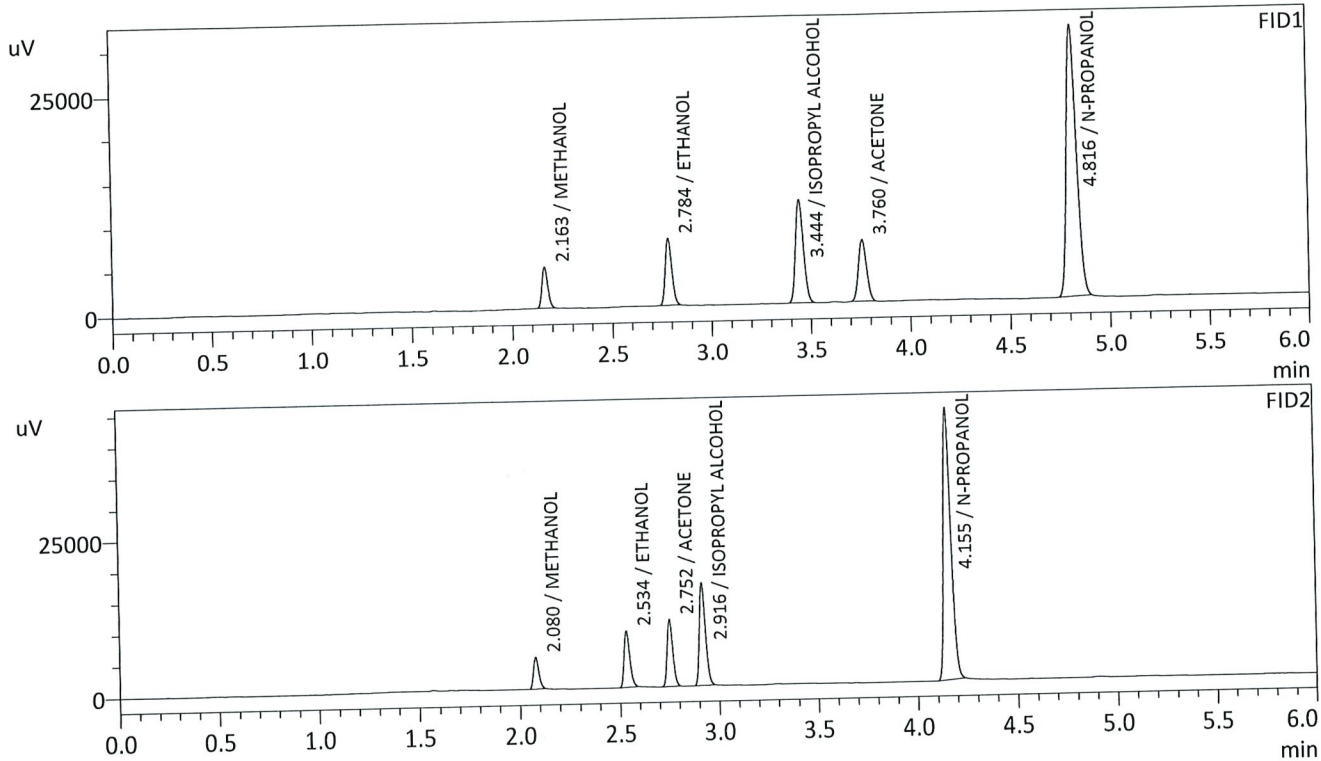


FID1					
Name	Conc.	Unit	Area	Height	
METHANOL	--	g/100cc	--	--	
ACETALDEHYDE	--	g/100cc	--	--	
ETHANOL	--	g/100cc	--	--	
ISOPROPYL ALCOHOL	--	g/100cc	--	--	
ACETONE	--	g/100cc	--	--	
N-PROPANOL	0.0000	g/100cc	156095	44598	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

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	165151	62357	
DFE	--	g/100cc	--	--	
TFE	--	g/100cc	--	--	

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_692021_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 10:26:02 AM
 Date Processed : 6/10/2021 9:29:57 AM



FID1

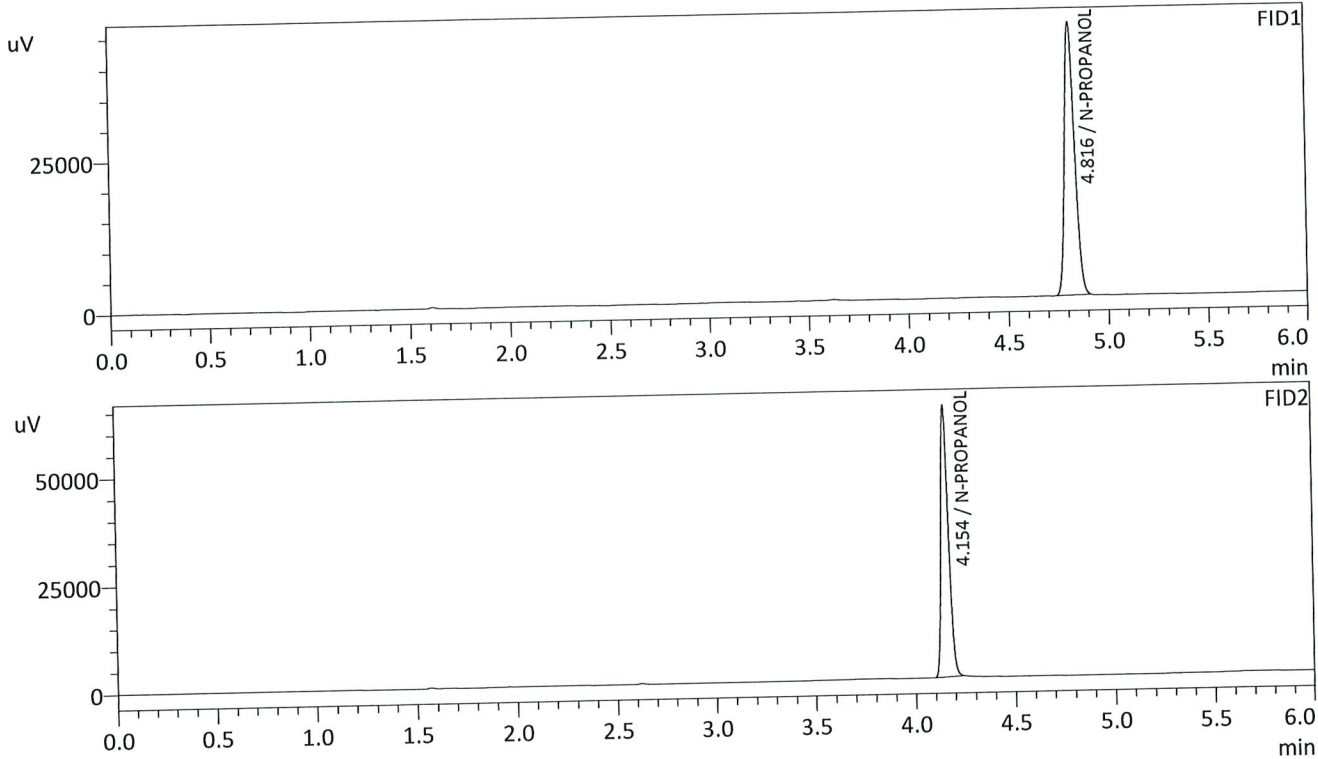
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	9326	4638
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0839	g/100cc	17461	7576
ISOPROPYL ALCOHOL	0.0000	g/100cc	32610	11662
ACETONE	0.0000	g/100cc	19703	6970
N-PROPANOL	0.0000	g/100cc	107371	30742
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	9388	5037
ETHANOL	0.0850	g/100cc	17828	8920
ACETONE	0.0000	g/100cc	21263	10691
ISOPROPYL ALCOHOL	0.0000	g/100cc	34285	16314
N-PROPANOL	0.0000	g/100cc	113563	43470
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_692021_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 10:34:57 AM
 Date Processed : 6/10/2021 9:29:58 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	156567	44665
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	165345	62555
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0758	0.0767	0.0009	0.0762	0.0001	0.0762
(g/100cc)	0.0757	0.0766	0.0009	0.0761		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

Reported Result
0.076

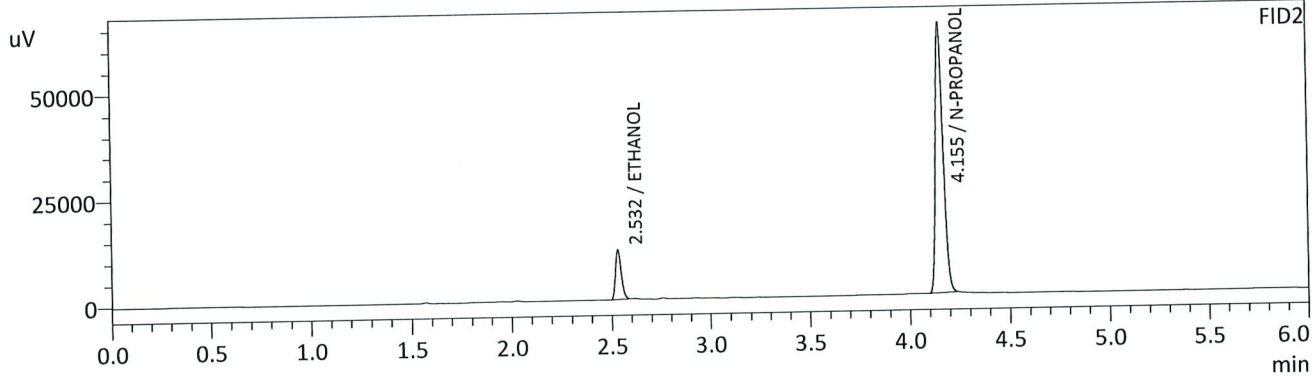
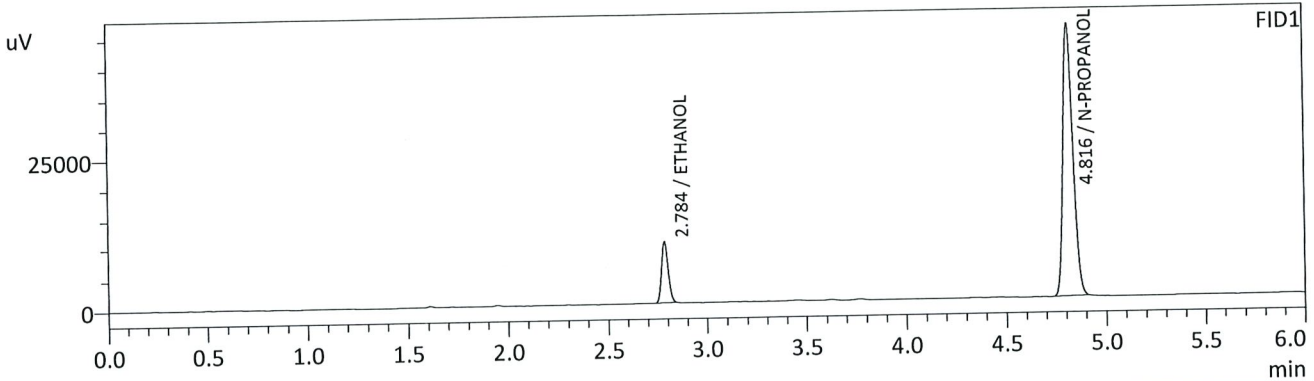
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC-1-1-A
 Vial # : 4
 Data Filename : QC-1-1-A_692021_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 10:43:34 AM
 Date Processed : 6/10/2021 9:29:59 AM



FID1

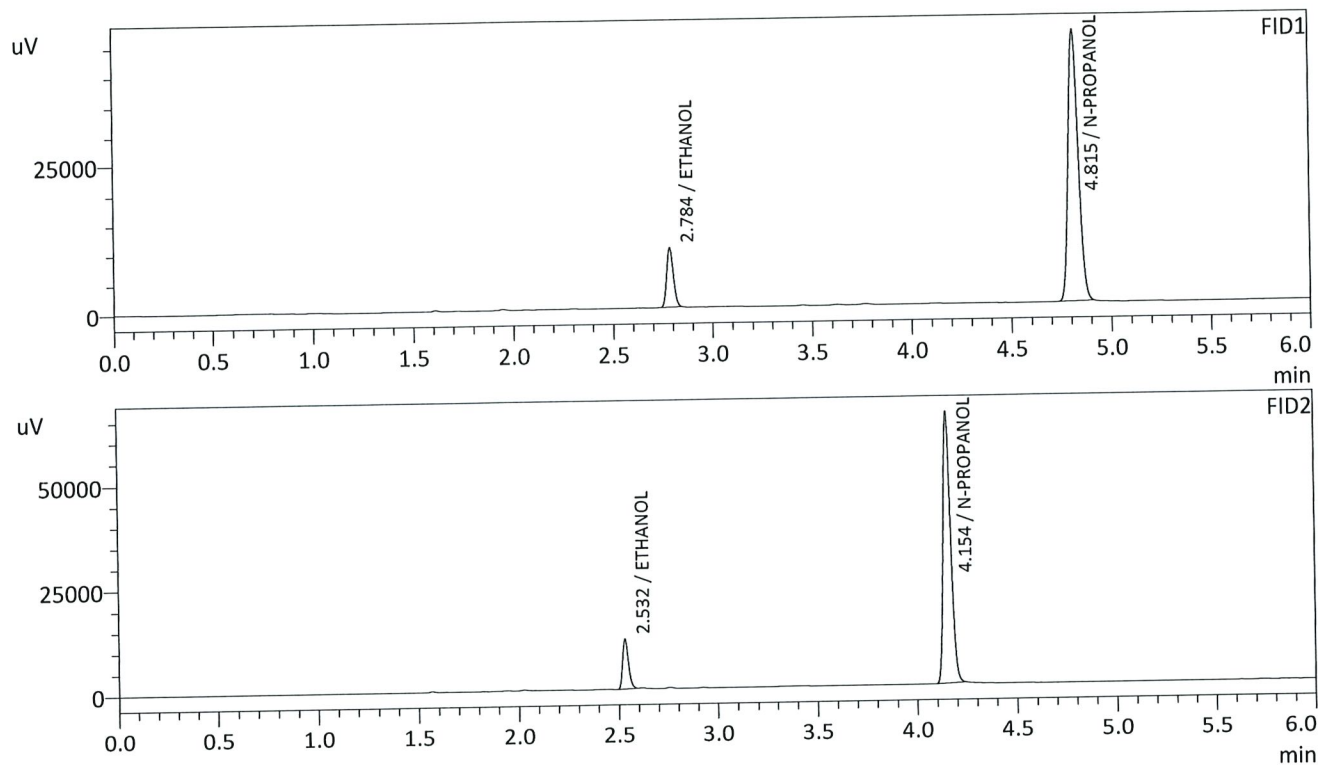
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0758	g/100cc	23228	9897
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158875	45249
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0767	g/100cc	23487	11676
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167638	63541
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC-1-1-B
 Vial # : 5
 Data Filename : QC-1-1-B_692021_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 10:52:16 AM
 Date Processed : 6/10/2021 9:30:00 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0757	g/100cc	23568	10042
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161281	45849
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0766	g/100cc	23830	11867
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170135	64448
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0813	0.0009	0.0808	0.0004	0.0806
(g/100cc)	0.0797	0.0811	0.0014	0.0804		

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

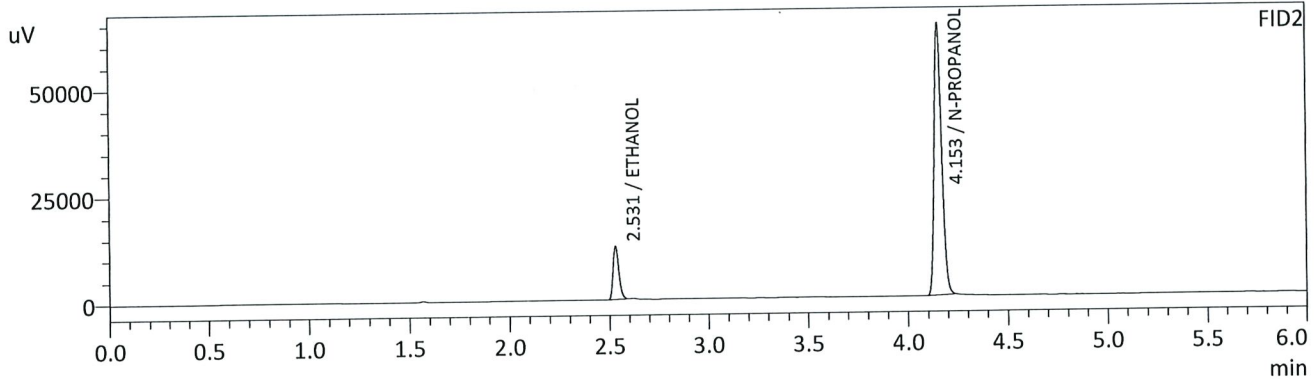
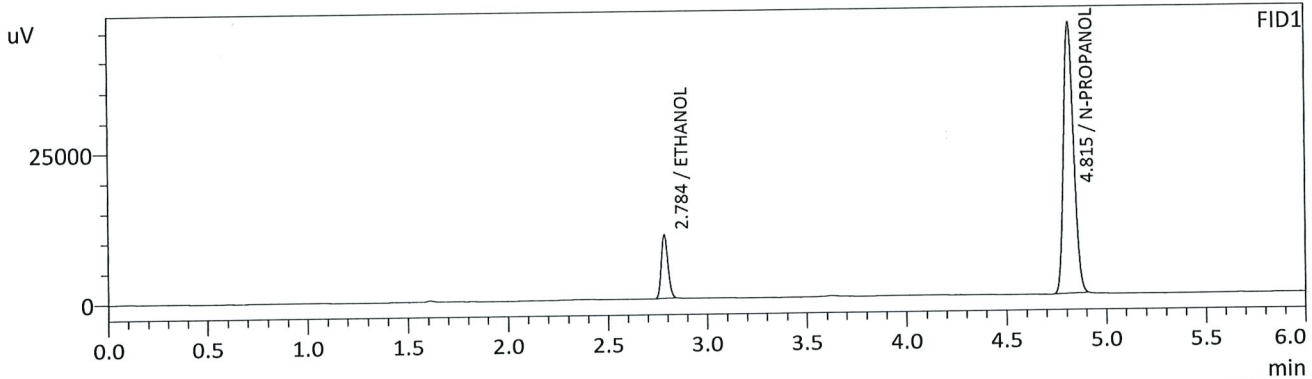
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : 0.08 QA - A
 Vial # : 6
 Data Filename : 0.08 QA - A_692021_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 11:01:05 AM
 Date Processed : 6/10/2021 9:30:01 AM



FID1

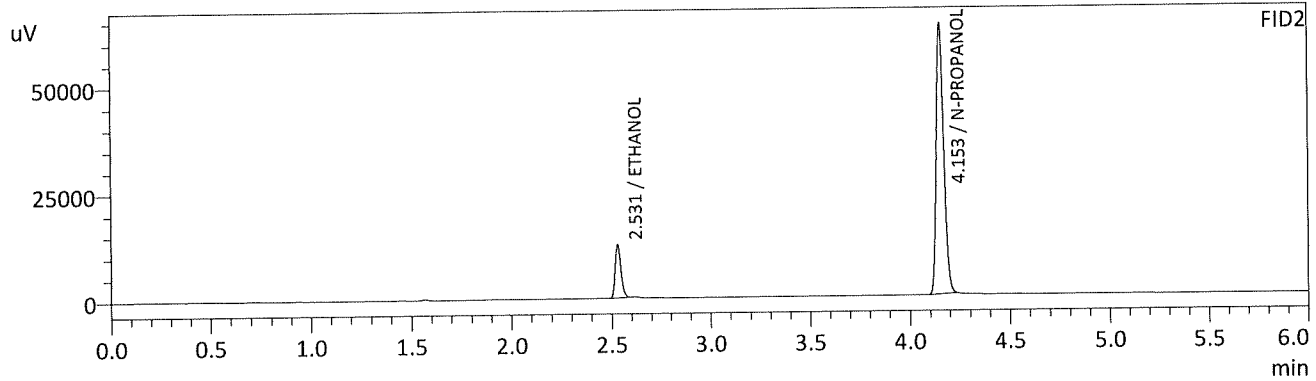
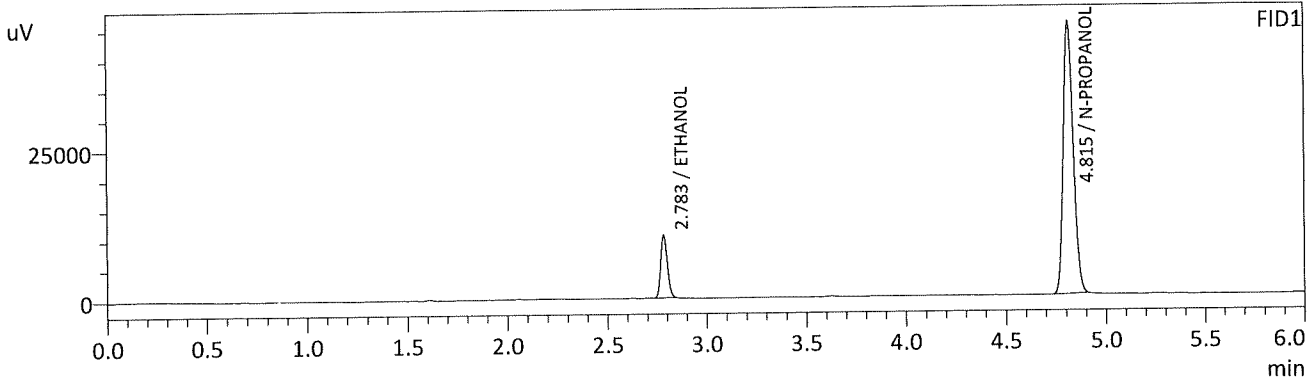
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	24607	10512
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158228	45132
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	24943	12403
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166945	63143
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_692021_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 11:10:14 AM
 Date Processed : 6/10/2021 9:30:03 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0797	g/100cc	24420	10439
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	158493	45341
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	24907	12324
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166981	63147
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2116	0.2117	0.0001	0.2116	0.0006	0.2119
(g/100cc)	0.2122	0.2123	0.0001	0.2122		

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	

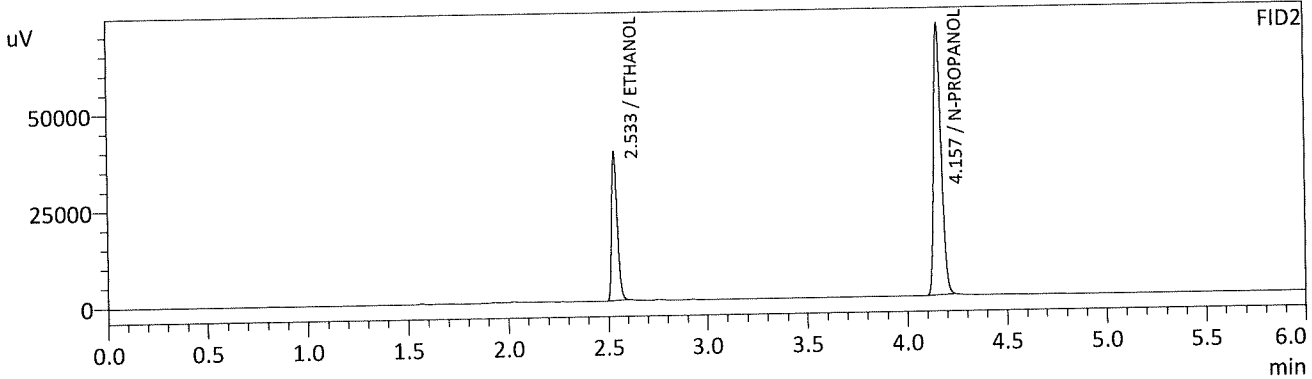
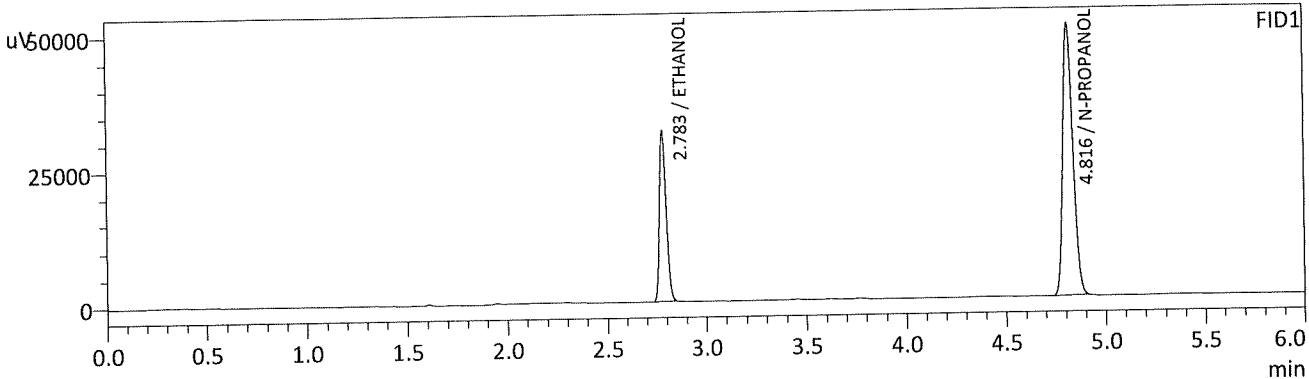
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC-2-1-A
 Vial # : 26
 Data Filename : QC-2-1-A_692021_026.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 1:58:40 PM
 Date Processed : 6/10/2021 9:30:24 AM



FID1

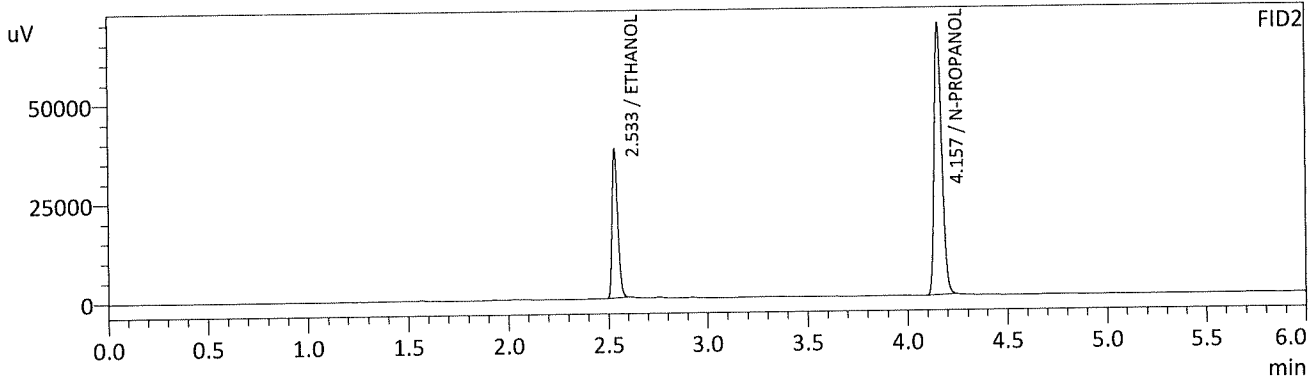
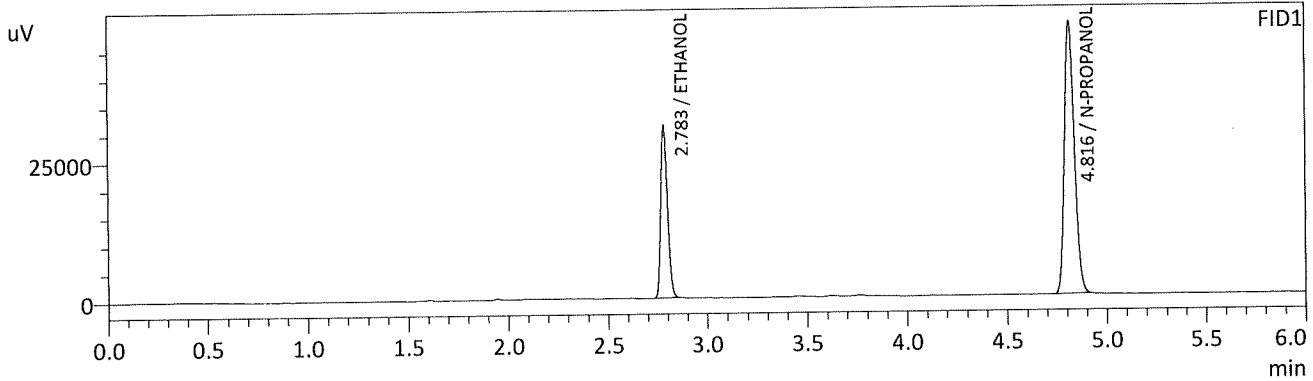
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2116	g/100cc	73943	31461
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176235	50144
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	76538	38490
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185310	70155
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC-2-1-B
 Vial # : 27
 Data Filename : QC-2-1-B_692021_027.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 2:07:11 PM
 Date Processed : 6/10/2021 9:30:25 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2122	g/100cc	72500	30895
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172245	49009
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2123	g/100cc	74859	37438
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180702	68464
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0798	0.0003	0.0796	0.0006	0.0799
(g/100cc)	0.0801	0.0803	0.0002	0.0802		

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
0.079	0.075	0.083	0.004

Reported Result	
0.079	

Calibration and control data are stored centrally.

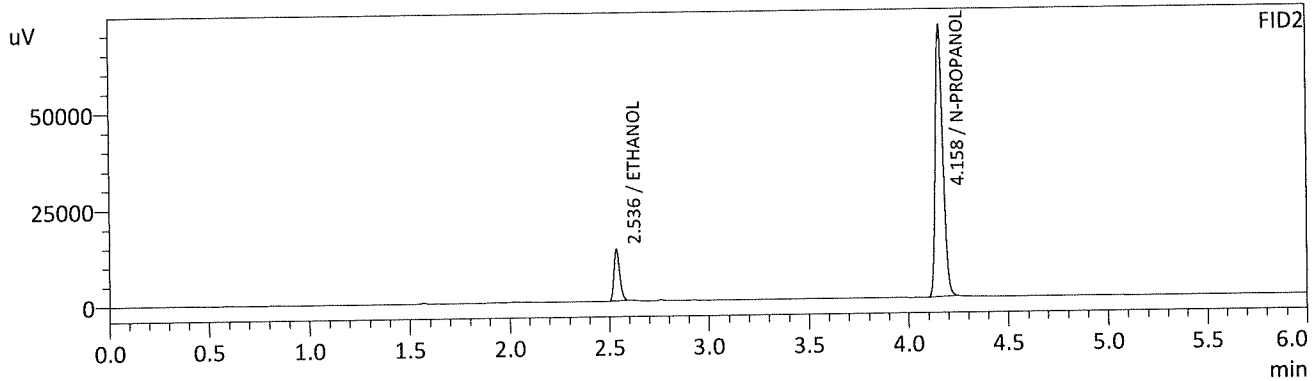
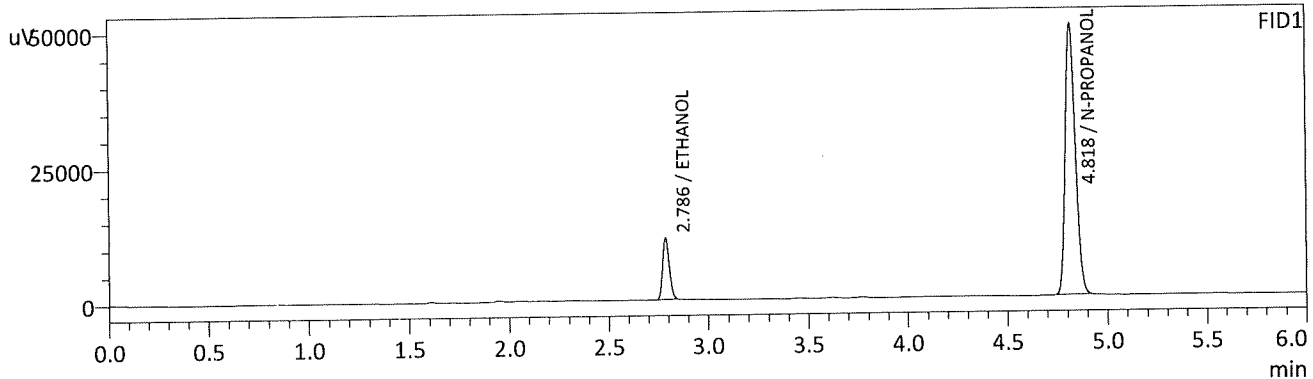
Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC1-2-A
 Vial # : 48
 Data Filename : QC1-2-A_692021_048.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 5:13:02 PM
 Date Processed : 6/10/2021 9:30:49 AM

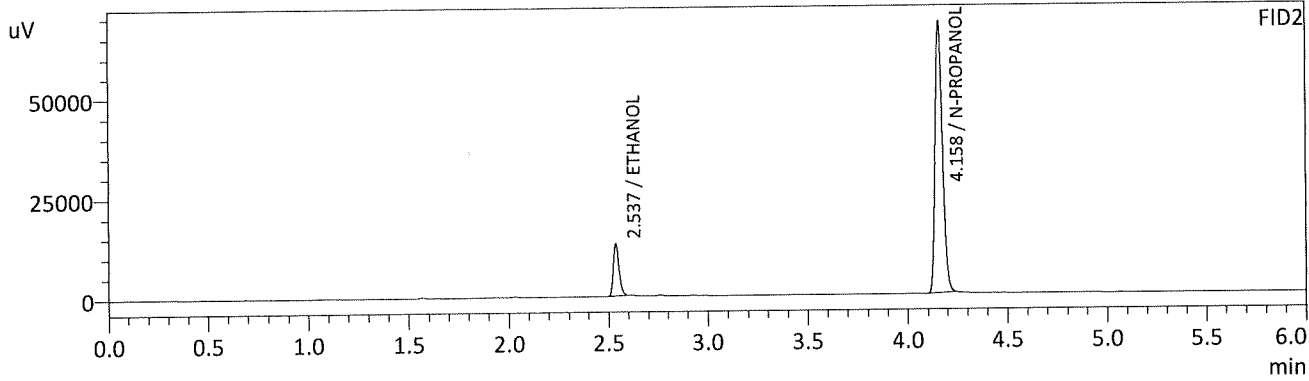
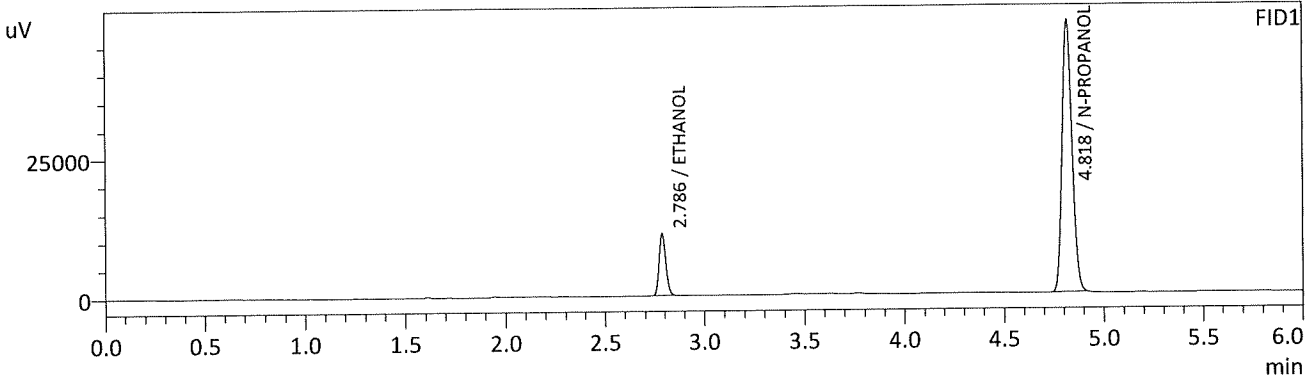


FID1				
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0795	g/100cc	26885	11317
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174845	50006
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2				
Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0798	g/100cc	27004	13436
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184363	69836
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC1-2-B
 Vial # : 49
 Data Filename : QC1-2-B_692021_049.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 5:22:11 PM
 Date Processed : 6/10/2021 9:30:50 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0801	g/100cc	26299	11037
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169877	48707
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	26346	13097
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178592	67464
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2183	0.2182	0.0001	0.2182	0.0041	0.2161
(g/100cc)	0.2147	0.2135	0.0012	0.2141		

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
0.216	0.205	0.227	0.011

Reported Result
0.216

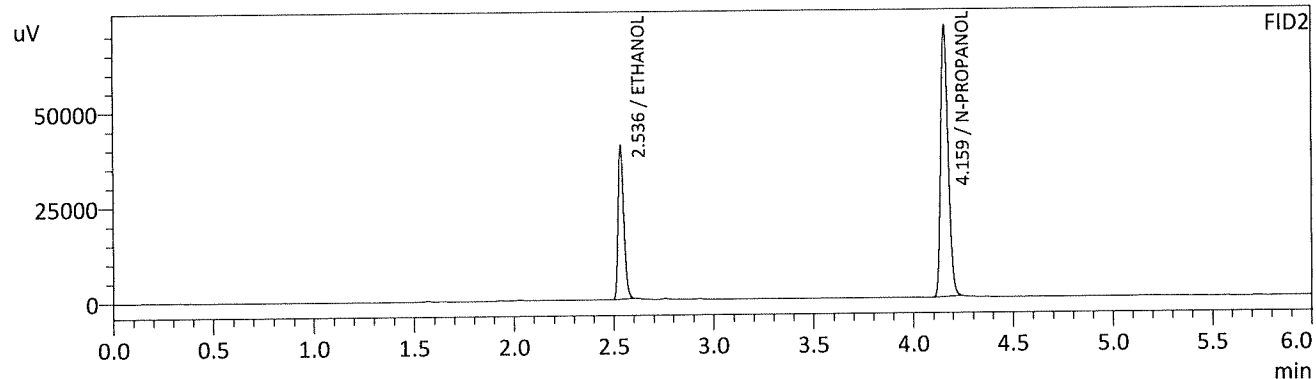
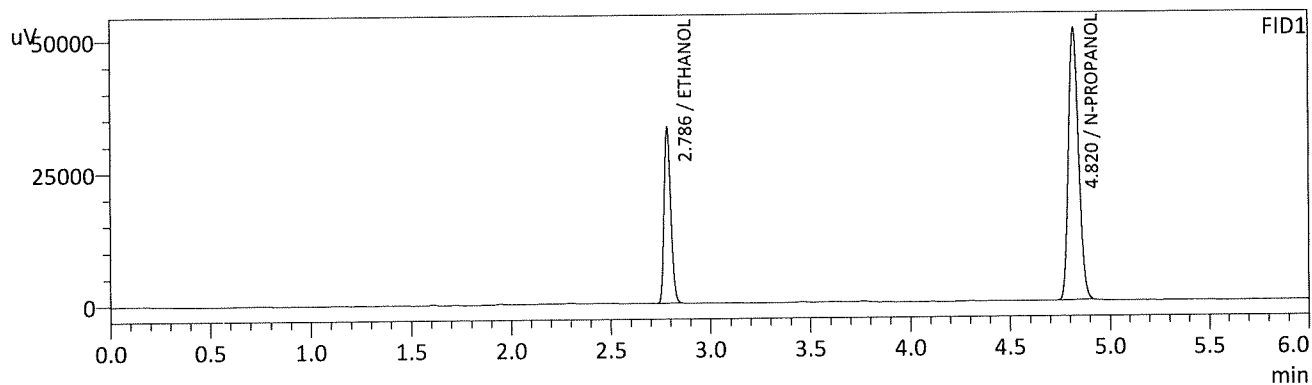
Calibration and control data are stored centrally.

Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC2-2-A
 Vial # : 70
 Data Filename : QC2-2-A_692021_070.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 8:27:44 PM
 Date Processed : 6/10/2021 9:31:15 AM



FID1

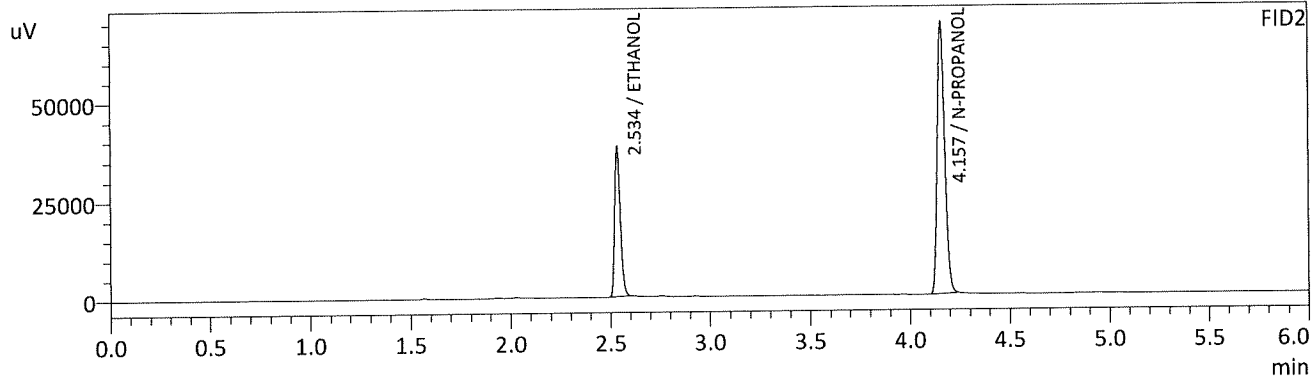
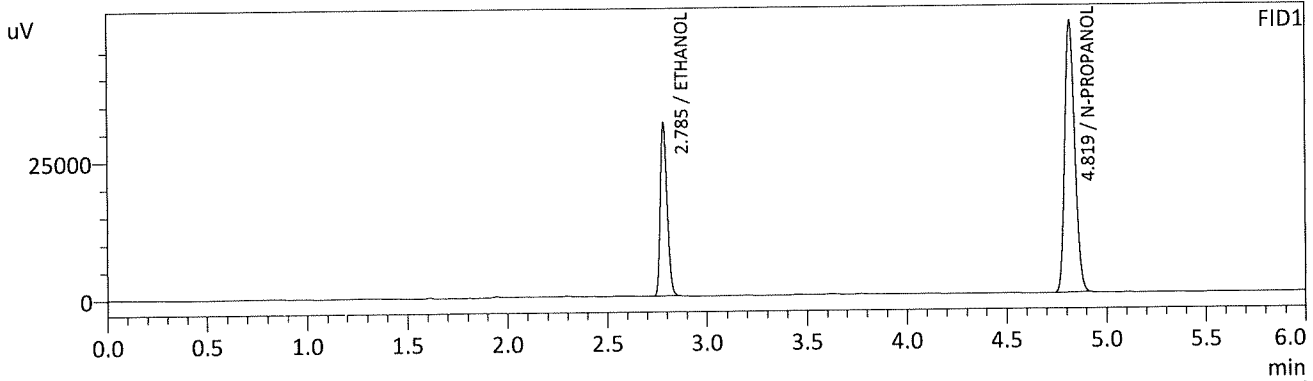
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2183	g/100cc	77700	33041
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179341	51327
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2182	g/100cc	80061	40299
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187838	71173
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC2-2-B
 Vial # : 71
 Data Filename : QC2-2-B_692021_071.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 8:36:37 PM
 Date Processed : 6/10/2021 9:31:16 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2147	g/100cc	73618	31307
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172858	49424
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2135	g/100cc	75634	37528
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181484	68806
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-3

Analysis Date(s): 6/9/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0786	0.0792	0.0006	0.0789	0.0002	0.0790
(g/100cc)	0.0789	0.0794	0.0005	0.0791		

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
0.079	0.075	0.083	0.004

Reported Result
0.079

Calibration and control data are stored centrally.

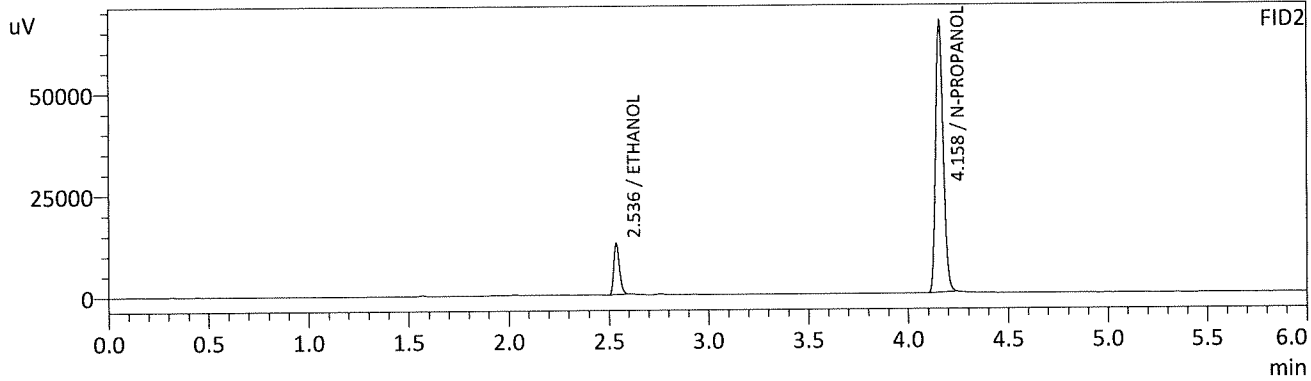
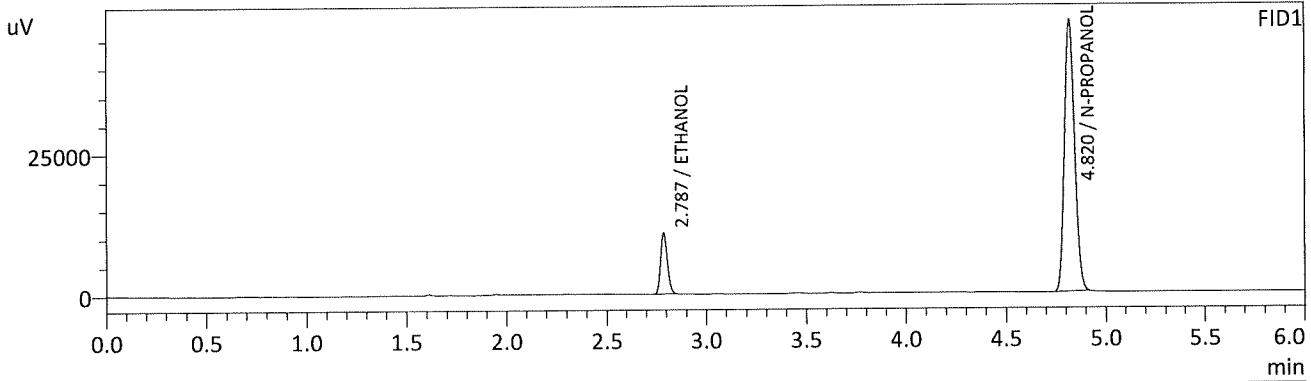


Revision: 3

Issue Date: 12/28/2020

Issuing Authority: Quality Manager

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC1-3-A
 Vial # : 74
 Data Filename : QC1-3-A_692021_074.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 9:03:21 PM
 Date Processed : 6/10/2021 9:31:20 AM



FID1

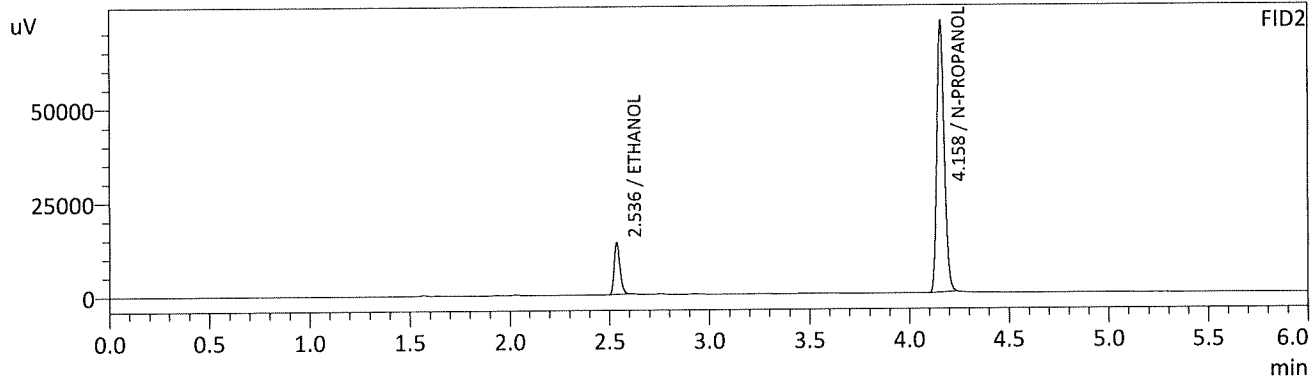
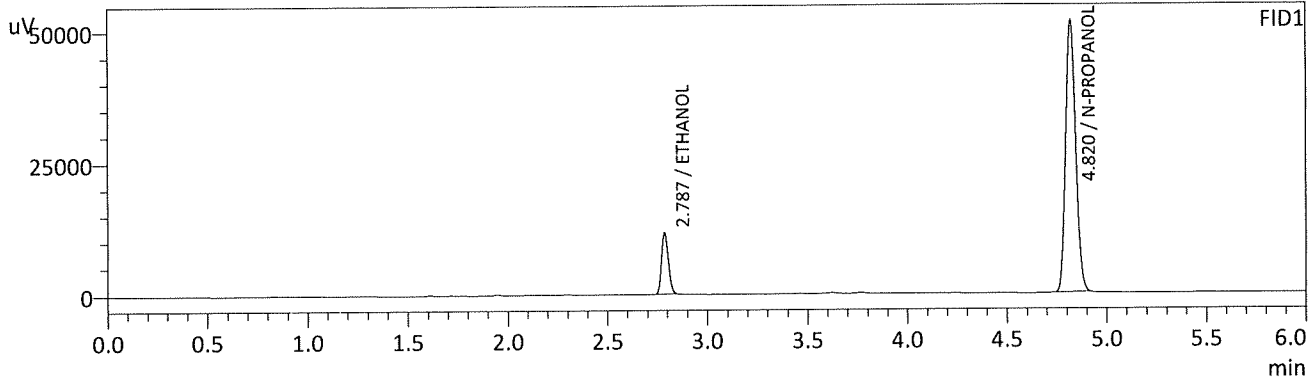
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0786	g/100cc	25504	10787
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167852	47925
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0792	g/100cc	25632	12706
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176366	66648
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : QC1-3-B
 Vial # : 75
 Data Filename : QC1-3-B_692021_075.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 9:12:17 PM
 Date Processed : 6/10/2021 9:31:21 AM



FID1

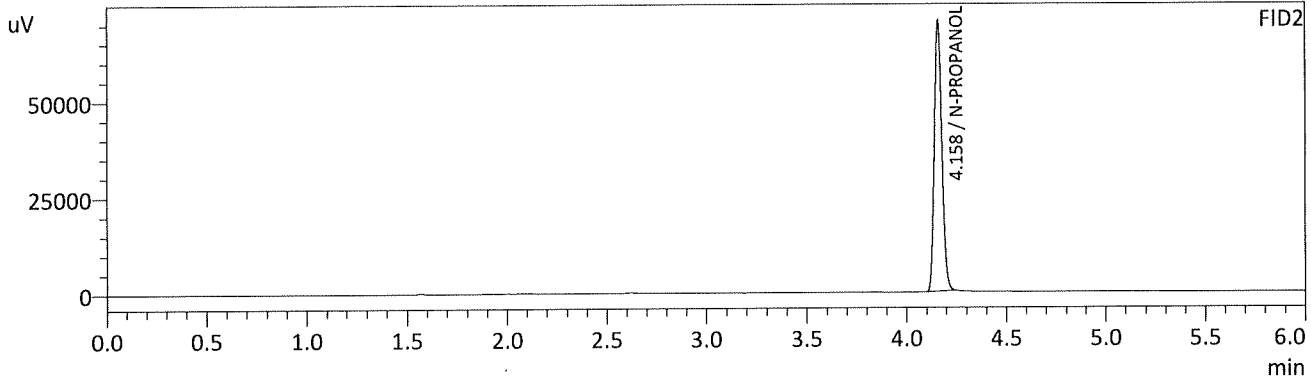
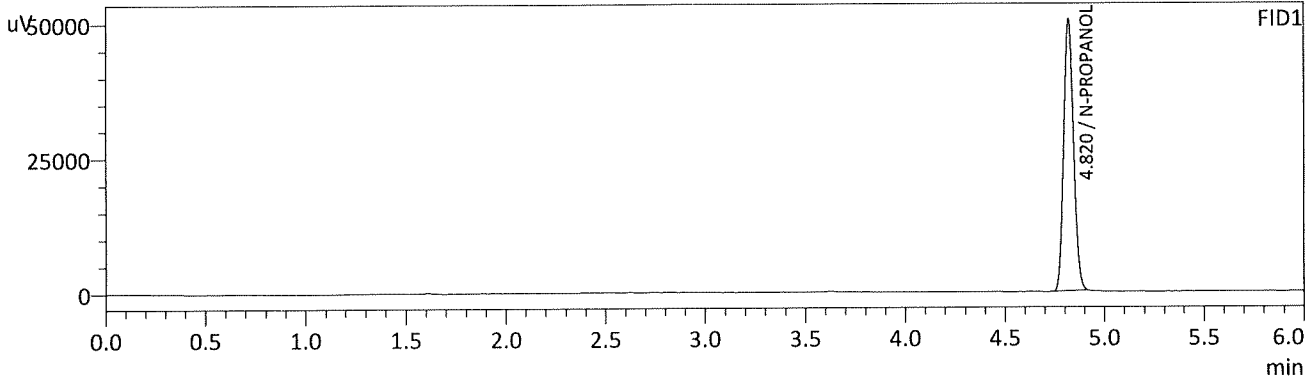
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	27491	11616
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180310	51565
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0794	g/100cc	27650	13752
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189728	71711
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

C:\LabSolutions\Data\2021\6-9-21 RC\ALCOHOL.gcm
 Sample Name : INT STD BLK 3
 Vial # : 76
 Data Filename : INT STD BLK 3_692021_076.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 6-9-21 BATCH.gcb
 Date Acquired : 6/9/2021 9:21:00 PM
 Date Processed : 6/10/2021 9:31:22 AM



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176277	50356
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	185985	70121
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

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

Copyright (C) 2008-2019 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_692021_001.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_692021_002.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_692021_003.gcd	0
4	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_692021_004.gcd	0
5	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_692021_005.gcd	0
6	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_692021_006.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_692021_007.gcd	0
8	M2021-2240-1-A	0:Unknown	ALCOHOL.gcm	M2021-2240-1-A_692021_008.gcd	0
9	M2021-2240-1-B	0:Unknown	ALCOHOL.gcm	M2021-2240-1-B_692021_009.gcd	0
10	M2021-2241-1-A	0:Unknown	ALCOHOL.gcm	M2021-2241-1-A_692021_010.gcd	0
11	M2021-2241-1-B	0:Unknown	ALCOHOL.gcm	M2021-2241-1-B_692021_011.gcd	0
12	M2021-2266-2-A	0:Unknown	ALCOHOL.gcm	M2021-2266-2-A_692021_012.gcd	0
13	M2021-2266-2-B	0:Unknown	ALCOHOL.gcm	M2021-2266-2-B_692021_013.gcd	0
14	M2021-2268-2-A	0:Unknown	ALCOHOL.gcm	M2021-2268-2-A_692021_014.gcd	0
15	M2021-2268-2-B	0:Unknown	ALCOHOL.gcm	M2021-2268-2-B_692021_015.gcd	0
16	P2021-1512-3-A	0:Unknown	ALCOHOL.gcm	P2021-1512-3-A_692021_016.gcd	0
17	P2021-1512-3-B	0:Unknown	ALCOHOL.gcm	P2021-1512-3-B_692021_017.gcd	0
18	P2021-1542-1-A	0:Unknown	ALCOHOL.gcm	P2021-1542-1-A_692021_018.gcd	0
19	P2021-1542-1-B	0:Unknown	ALCOHOL.gcm	P2021-1542-1-B_692021_019.gcd	0
20	P2021-1643-1-A	0:Unknown	ALCOHOL.gcm	P2021-1643-1-A_692021_020.gcd	0
21	P2021-1643-1-B	0:Unknown	ALCOHOL.gcm	P2021-1643-1-B_692021_021.gcd	0
22	P2021-1644-1-A	0:Unknown	ALCOHOL.gcm	P2021-1644-1-A_692021_022.gcd	0
23	P2021-1644-1-B	0:Unknown	ALCOHOL.gcm	P2021-1644-1-B_692021_023.gcd	0
24	P2021-1645-1-A	0:Unknown	ALCOHOL.gcm	P2021-1645-1-A_692021_024.gcd	0
25	P2021-1645-1-B	0:Unknown	ALCOHOL.gcm	P2021-1645-1-B_692021_025.gcd	0
26	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_692021_026.gcd	0
27	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_692021_027.gcd	0
28	P2021-1646-1-A	0:Unknown	ALCOHOL.gcm	P2021-1646-1-A_692021_028.gcd	0
29	P2021-1646-1-B	0:Unknown	ALCOHOL.gcm	P2021-1646-1-B_692021_029.gcd	0
30	P2021-1647-1-A	0:Unknown	ALCOHOL.gcm	P2021-1647-1-A_692021_030.gcd	0
31	P2021-1647-1-B	0:Unknown	ALCOHOL.gcm	P2021-1647-1-B_692021_031.gcd	0
32	P2021-1654-1-A	0:Unknown	ALCOHOL.gcm	P2021-1654-1-A_692021_032.gcd	0
33	P2021-1654-1-B	0:Unknown	ALCOHOL.gcm	P2021-1654-1-B_692021_033.gcd	0
34	P2021-1655-1-A	0:Unknown	ALCOHOL.gcm	P2021-1655-1-A_692021_034.gcd	0
35	P2021-1655-1-B	0:Unknown	ALCOHOL.gcm	P2021-1655-1-B_692021_035.gcd	0
36	P2021-1656-1-A	0:Unknown	ALCOHOL.gcm	P2021-1656-1-A_692021_036.gcd	0
37	P2021-1656-1-B	0:Unknown	ALCOHOL.gcm	P2021-1656-1-B_692021_037.gcd	0
38	P2021-1658-1-A	0:Unknown	ALCOHOL.gcm	P2021-1658-1-A_692021_038.gcd	0
39	P2021-1658-1-B	0:Unknown	ALCOHOL.gcm	P2021-1658-1-B_692021_039.gcd	0
40	P2021-1700-1-A	0:Unknown	ALCOHOL.gcm	P2021-1700-1-A_692021_040.gcd	0
41	P2021-1700-1-B	0:Unknown	ALCOHOL.gcm	P2021-1700-1-B_692021_041.gcd	0
42	P2021-1714-1-A	0:Unknown	ALCOHOL.gcm	P2021-1714-1-A_692021_042.gcd	0
43	P2021-1714-1-B	0:Unknown	ALCOHOL.gcm	P2021-1714-1-B_692021_043.gcd	0
44	P2021-1718-1-A	0:Unknown	ALCOHOL.gcm	P2021-1718-1-A_692021_044.gcd	0
45	P2021-1718-1-B	0:Unknown	ALCOHOL.gcm	P2021-1718-1-B_692021_045.gcd	0
46	P2021-1719-1-A	0:Unknown	ALCOHOL.gcm	P2021-1719-1-A_692021_046.gcd	0
47	P2021-1719-1-B	0:Unknown	ALCOHOL.gcm	P2021-1719-1-B_692021_047.gcd	0
48	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_692021_048.gcd	0
49	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_692021_049.gcd	0
50	P2021-1720-1-A	0:Unknown	ALCOHOL.gcm	P2021-1720-1-A_692021_050.gcd	0
51	P2021-1720-1-B	0:Unknown	ALCOHOL.gcm	P2021-1720-1-B_692021_051.gcd	0
52	P2021-1720-2-A	0:Unknown	ALCOHOL.gcm	P2021-1720-2-A_692021_052.gcd	0

RC

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	P2021-1720-2-B	0:Unknown	ALCOHOL.gcm	P2021-1720-2-B_692021_053.gcd	0
54	P2021-1721-1-A	0:Unknown	ALCOHOL.gcm	P2021-1721-1-A_692021_054.gcd	0
55	P2021-1721-1-B	0:Unknown	ALCOHOL.gcm	P2021-1721-1-B_692021_055.gcd	0
56	P2021-1724-1-A	0:Unknown	ALCOHOL.gcm	P2021-1724-1-A_692021_056.gcd	0
57	P2021-1724-1-B	0:Unknown	ALCOHOL.gcm	P2021-1724-1-B_692021_057.gcd	0
58	P2021-1727-1-A	0:Unknown	ALCOHOL.gcm	P2021-1727-1-A_692021_058.gcd	0
59	P2021-1727-1-B	0:Unknown	ALCOHOL.gcm	P2021-1727-1-B_692021_059.gcd	0
60	P2021-1728-1-A	0:Unknown	ALCOHOL.gcm	P2021-1728-1-A_692021_060.gcd	0
61	P2021-1728-1-B	0:Unknown	ALCOHOL.gcm	P2021-1728-1-B_692021_061.gcd	0
62	P2021-1748-1-A	0:Unknown	ALCOHOL.gcm	P2021-1748-1-A_692021_062.gcd	0
63	P2021-1748-1-B	0:Unknown	ALCOHOL.gcm	P2021-1748-1-B_692021_063.gcd	0
64	P2021-1749-1-A	0:Unknown	ALCOHOL.gcm	P2021-1749-1-A_692021_064.gcd	0
65	P2021-1749-1-B	0:Unknown	ALCOHOL.gcm	P2021-1749-1-B_692021_065.gcd	0
66	P2021-1750-1-A	0:Unknown	ALCOHOL.gcm	P2021-1750-1-A_692021_066.gcd	0
67	P2021-1750-1-B	0:Unknown	ALCOHOL.gcm	P2021-1750-1-B_692021_067.gcd	0
68	P2021-1802-1-A	0:Unknown	ALCOHOL.gcm	P2021-1802-1-A_692021_068.gcd	0
69	P2021-1802-1-B	0:Unknown	ALCOHOL.gcm	P2021-1802-1-B_692021_069.gcd	0
70	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_692021_070.gcd	0
71	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_692021_071.gcd	0
72	P2021-1803-1-A	0:Unknown	ALCOHOL.gcm	P2021-1803-1-A_692021_072.gcd	0
73	P2021-1803-1-B	0:Unknown	ALCOHOL.gcm	P2021-1803-1-B_692021_073.gcd	0
74	QC1-3-A	0:Unknown	ALCOHOL.gcm	QC1-3-A_692021_074.gcd	0
75	QC1-3-B	0:Unknown	ALCOHOL.gcm	QC1-3-B_692021_075.gcd	0
76	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_692021_076.gcd	0

RC