




















Worklist: 5734

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2022-0685	1	BCK	Alcohol Analysis	
P2022-0686	1	BCK	Alcohol Analysis	
P2022-0688	1	BCK	Alcohol Analysis	
P2022-0718	1	BCK	Alcohol Analysis	
P2022-0720	1	BCK	Alcohol Analysis	
P2022-0744	1	BCK	Alcohol Analysis	
P2022-0753	1	BCK	Alcohol Analysis	
P2022-0795	1	BCK	Alcohol Analysis	
P2022-0796	1	BCK	Alcohol Analysis	
P2022-0800	1	BCK	Alcohol Analysis	
P2022-0801	1	BCK	Alcohol Analysis	
P2022-0814	1	BCK	Alcohol Analysis	
P2022-0815	1	BCK	Alcohol Analysis	
P2022-0823	1	BCK	Alcohol Analysis	
P2022-0824	1	BCK	Alcohol Analysis	
P2022-0831	1	BCK	Alcohol Analysis	
P2022-0832	1	BCK	Alcohol Analysis	
P2022-0852	1	BCK	Alcohol Analysis	
P2022-0863	1	BCK	Alcohol Analysis	

JRC

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): 3/30/22

Calibration Date: (if different)

Worklist #: 5734

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0730 g/100cc
					0.0788 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2172 g/100cc
					g/100cc
Multi-Component mixture: Curve Fit: Oct-24 Column 1 Lot # 0.99999 Column2 0.99995					ok

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0512	0.0009	0.0507
100	0.100	0.090 - 0.110	0.1002	0.1001	0.0001	0.1001
200	0.200	0.180 - 0.220	0.1993	0.1986	0.0007	0.1989
300	0.300	0.270 - 0.330	0.2995	0.2989	0.0006	0.2992
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5004	0.5010	0.0006	0.5007
Internal Standard	Average	(-) 20%		(+) 20%		
N-Propanol:	184226.9	147381.6		221072.3		

Aqueous Controls

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

Revision: 4 

Issue Date: 01/24/2022

Internal Standard Monitoring Worksheet

Worklist #:	5734	Run Date(s):	3/30/22
--------------------	-------------	---------------------	----------------

Internal Standard Solution: 022422	Prep Date: 2/24/22	Exp Date: 8/24/22
------------------------------------	--------------------	-------------------

Sample Name	Column 1 Value	Column 2 Value	Average
0.080	176189	187457	181823
0.080	174732	186175	180453.5
QC1	178120	189337	183728.5
QC1	177459	188490	182974.5
QC1	183212	195325	189268.5
QC1	189347	201840	195593.5
QC1			#DIV/0!
QC1			#DIV/0!
QC2	174845	185816	180330.5
QC2	174166	185121	179643.5
QC2			#DIV/0!
QC2			#DIV/0!
QC2			#DIV/0!
QC2			#DIV/0!

Combined Average	(-)20%	(+)20%
184226.9	147381.6	221072.3

Revision: 4

Issue Date: 01/24/2022

Issuing Authority: Quality Manager

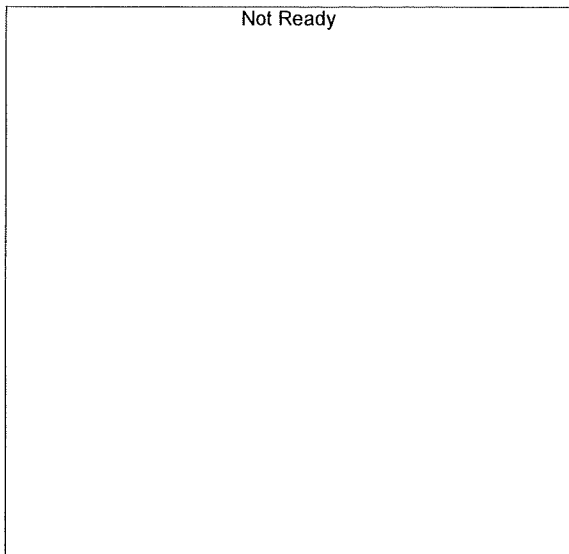
=====

Calibration Table

=====

Laboratory: Pocatello
 Instrument Name : GC2030-HS20

<<Data File>>
 Method File :C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm
 Batch File :C:\LabSolutions\Data\2022\3-30-22 RC\3-30-22 BATCH.gcb
 Date Acquired :3/30/2022 6:42:08 PM
 Date Created :3/30/2022 6:38:44 PM
 Date Modified :3/31/2022 8:53:29 AM



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

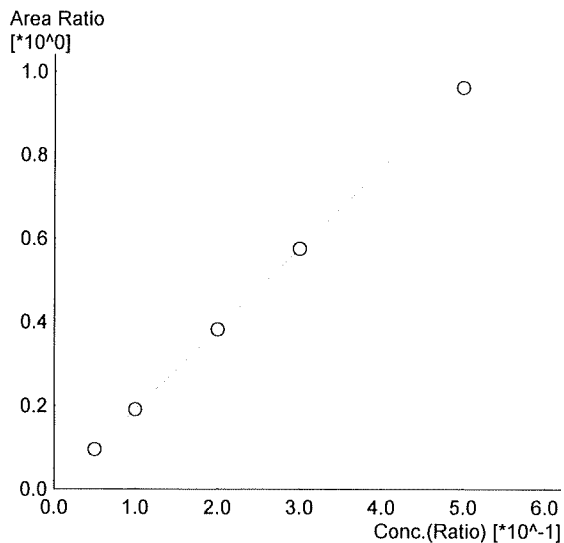
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

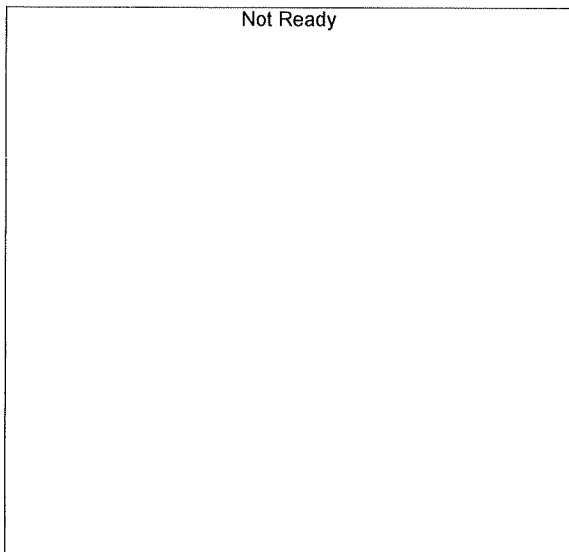
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC



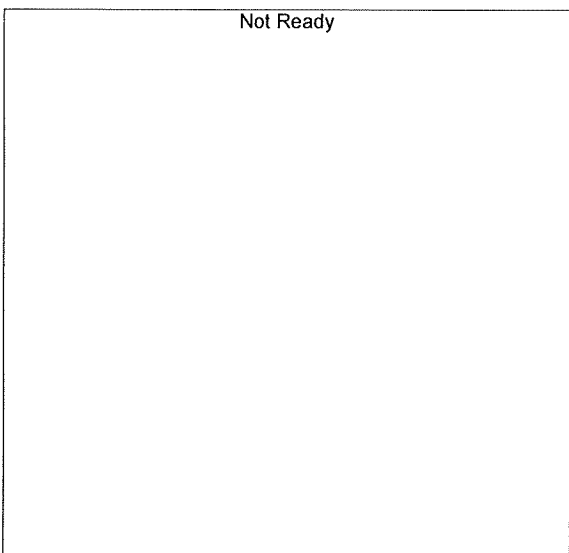
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.92549*x-0.00203907$
 R² value= 0.9999924 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16637	0.0503	0.050_3302022_001.gcd
2	0.100	33775	0.1002	0.100_3302022_002.gcd
3	0.200	68323	0.1993	0.200_3302022_003.gcd
4	0.300	102859	0.2995	0.300_3302022_004.gcd
5	0.500	171937	0.5004	0.500_3302022_005.gcd



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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Not Ready

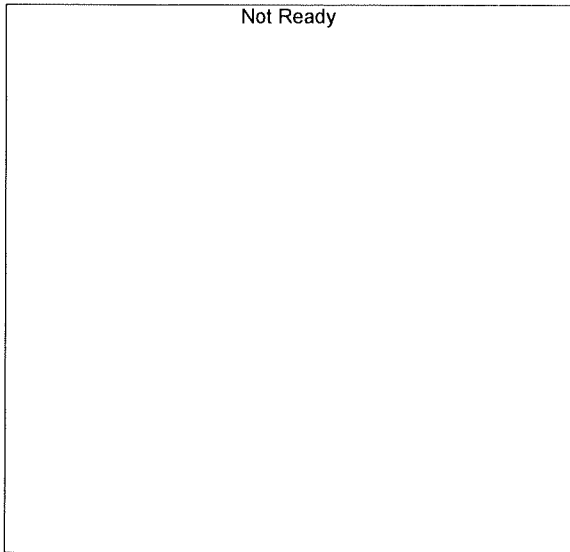
Name : TFE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Not Ready

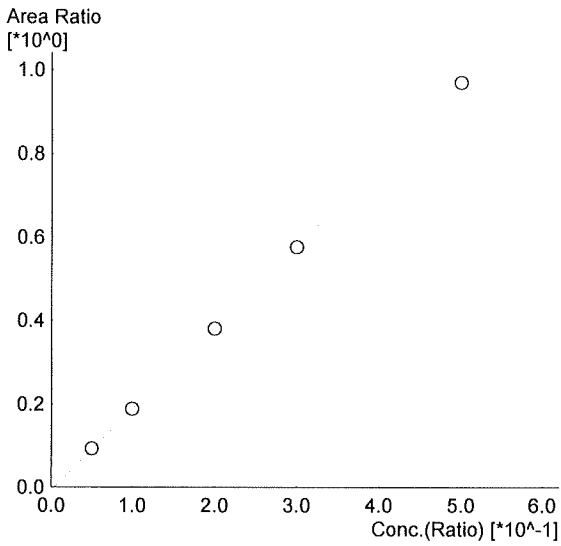
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



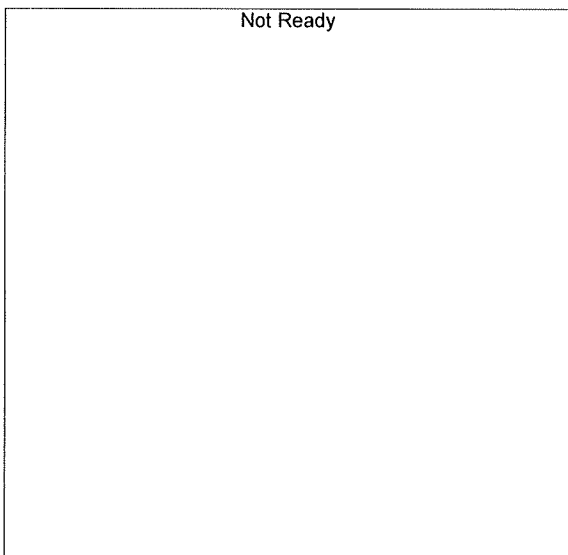
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.95029*x-0.00730793$
 R² value= 0.9999560 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	17069	0.0512	0.050_3302022_001.gcd
2	0.100	35296	0.1001	0.100_3302022_002.gcd
3	0.200	72215	0.1986	0.200_3302022_003.gcd
4	0.300	109317	0.2989	0.300_3302022_004.gcd
5	0.500	183669	0.5010	0.500_3302022_005.gcd



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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Not Ready

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

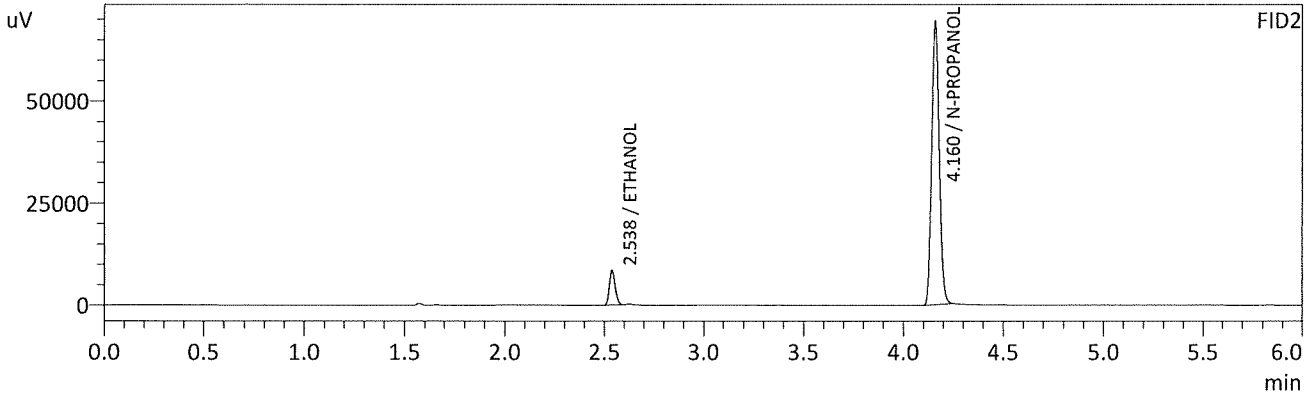
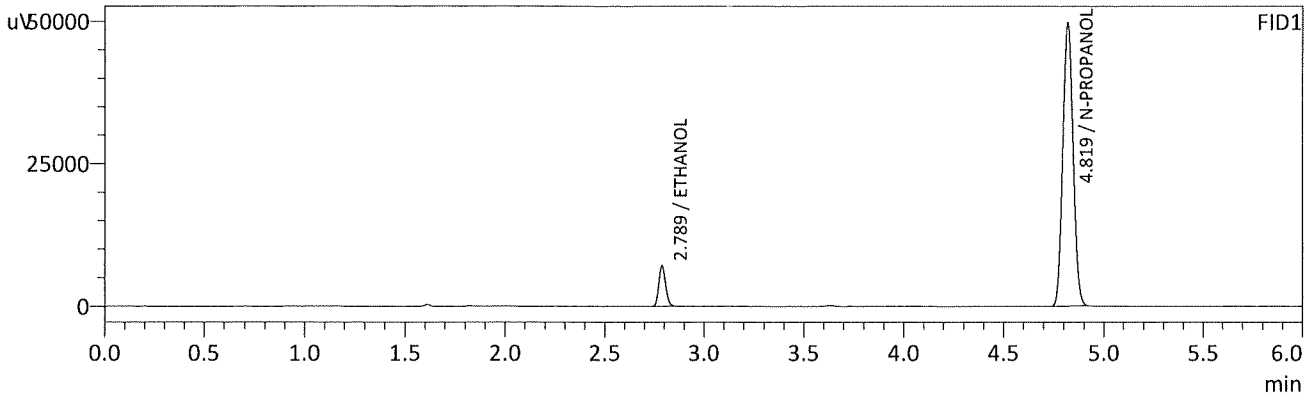
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_3302022_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:04:01 PM
 Date Processed : 3/31/2022 8:53:25 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

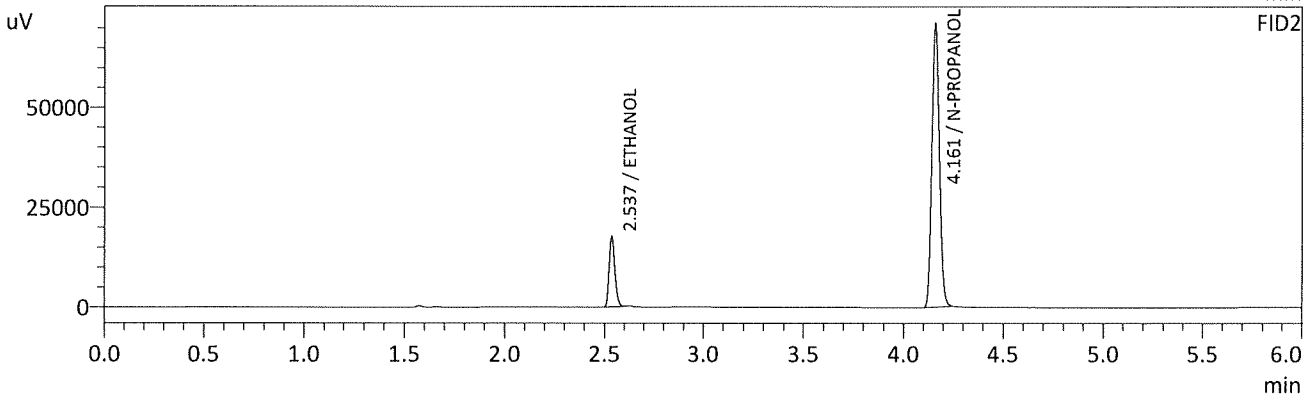
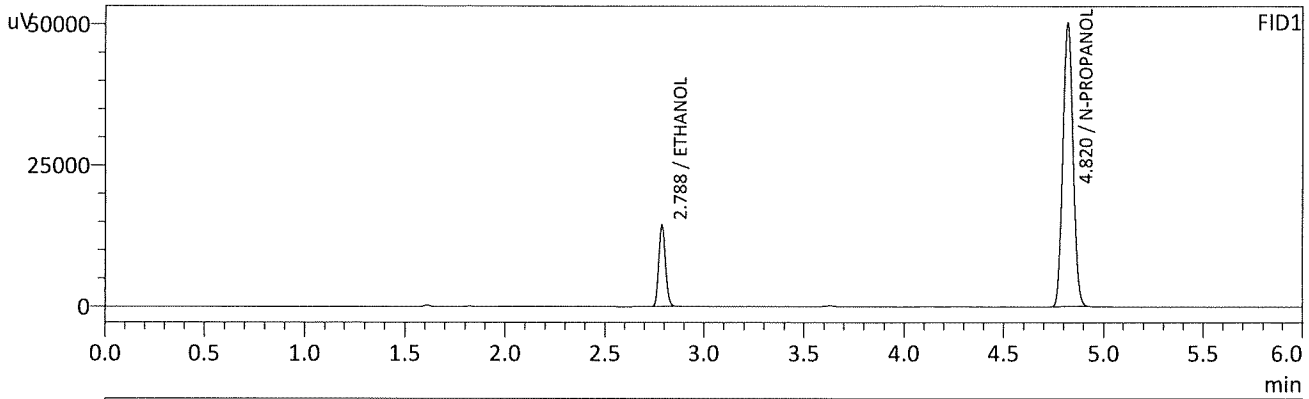
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0503	g/100cc	16637	7075
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175184	49714
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0512	g/100cc	17069	8462
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184296	69213
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_3302022_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:13:31 PM
 Date Processed : 3/31/2022 8:53:26 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

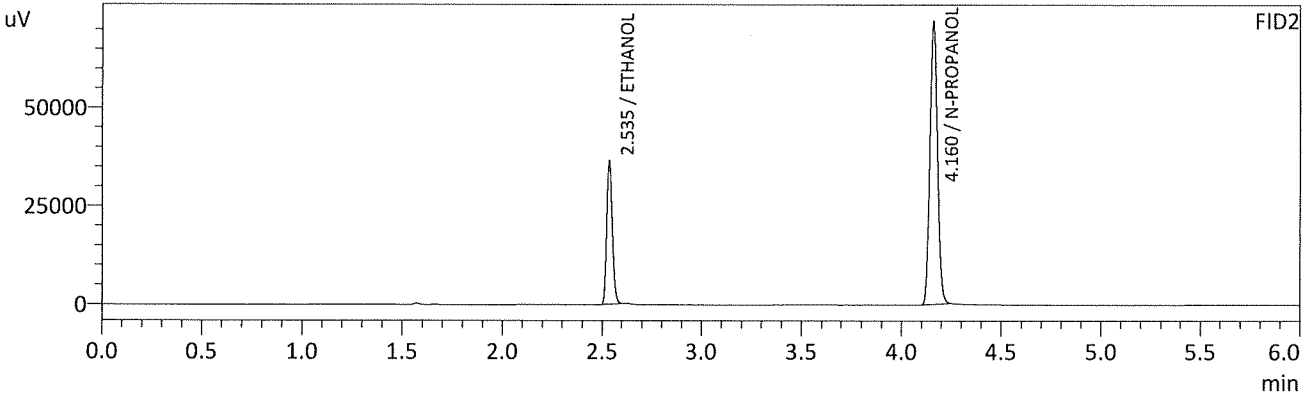
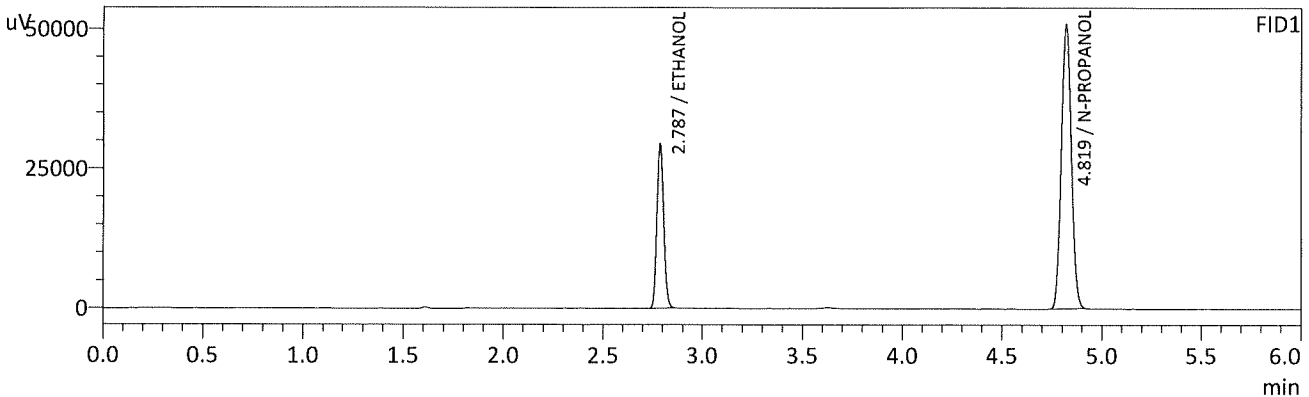
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	33775	14433
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176819	50252
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	35296	17673
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187700	71097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_3302022_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:22:52 PM
 Date Processed : 3/31/2022 8:53:27 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

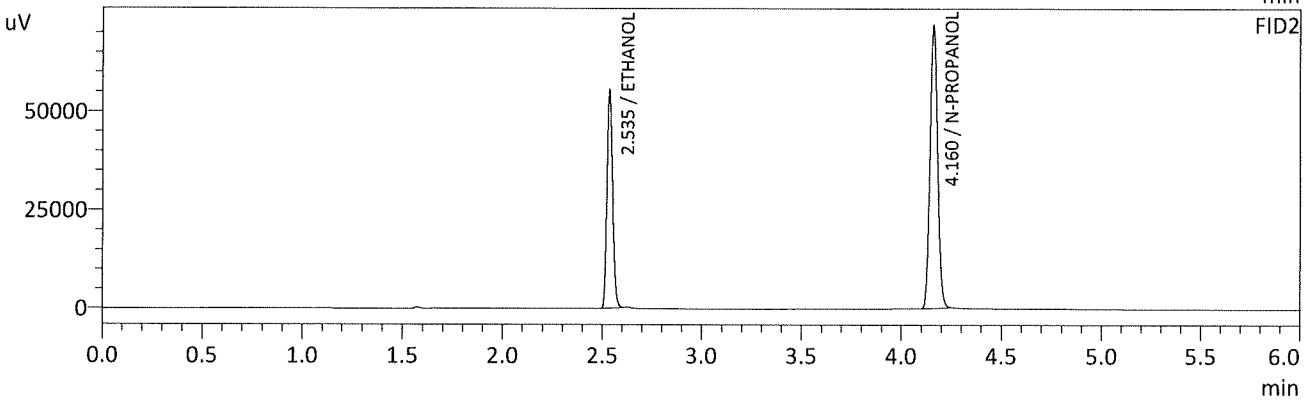
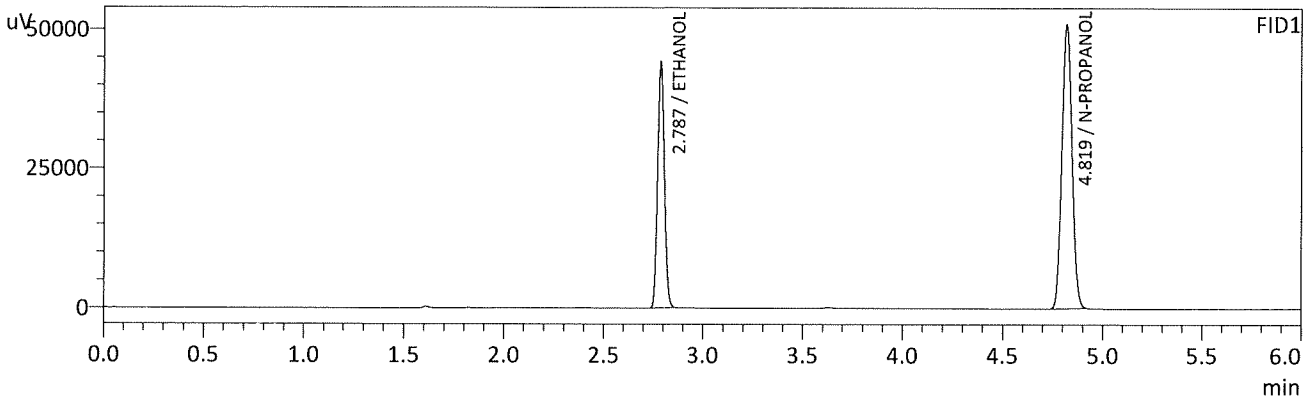
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1993	g/100cc	68323	29157
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178945	50823
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	72215	36219
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189987	71828
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_3302022_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:32:36 PM
 Date Processed : 3/31/2022 8:53:28 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

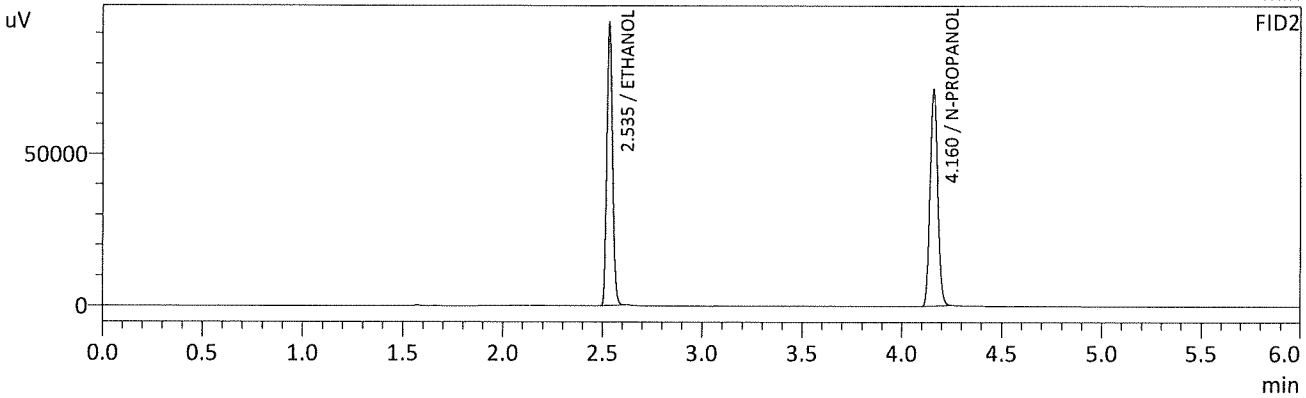
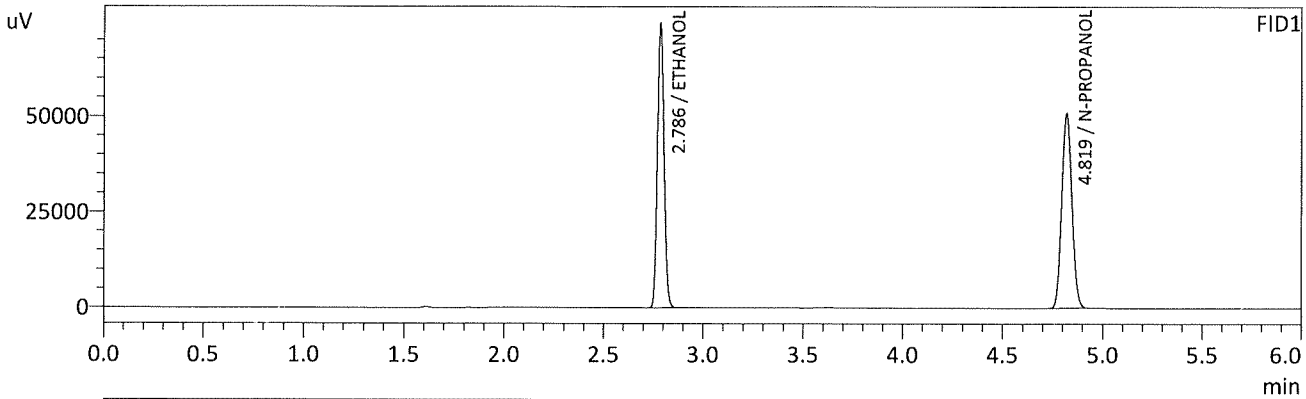
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2995	g/100cc	102859	43766
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178944	50969
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2989	g/100cc	109317	54766
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189894	71694
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ARC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_3302022_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:42:08 PM
 Date Processed : 3/31/2022 8:53:29 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

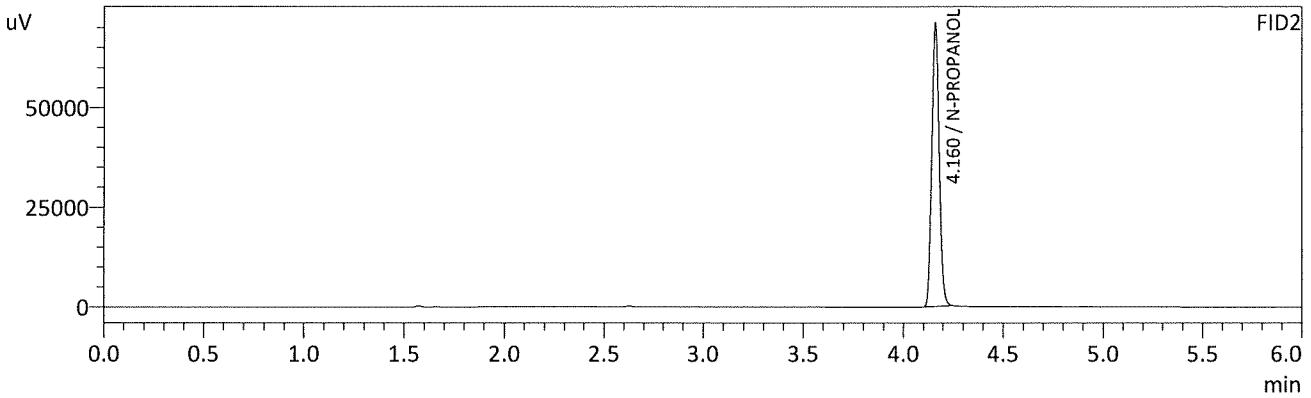
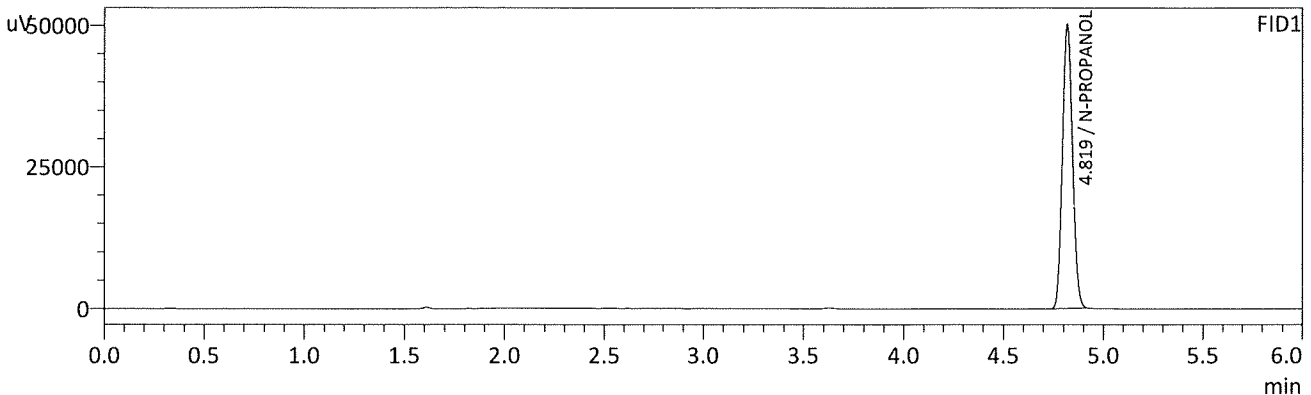
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5004	g/100cc	171937	73582
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178820	50824
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5010	g/100cc	183669	91975
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189379	71472
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_3302022_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 6:51:25 PM
 Date Processed : 3/31/2022 8:53:32 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

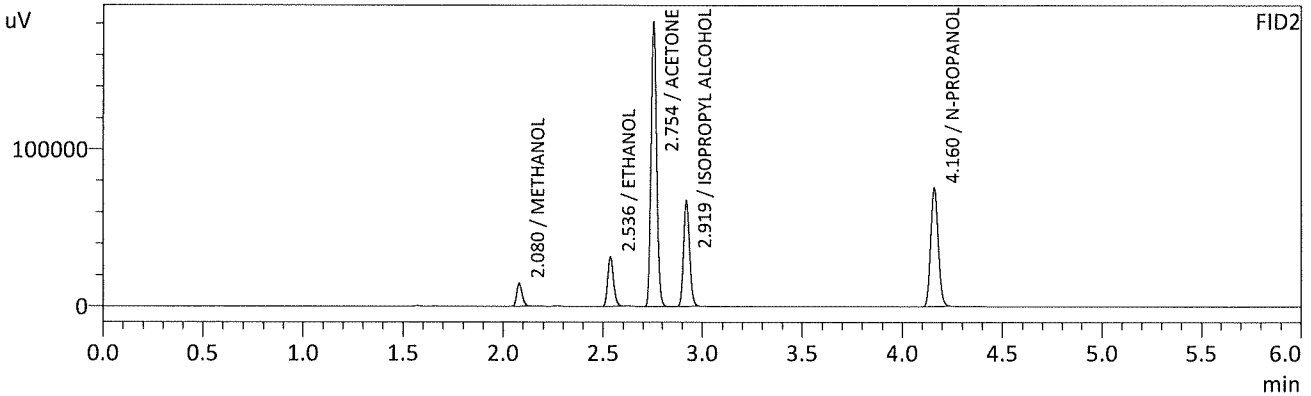
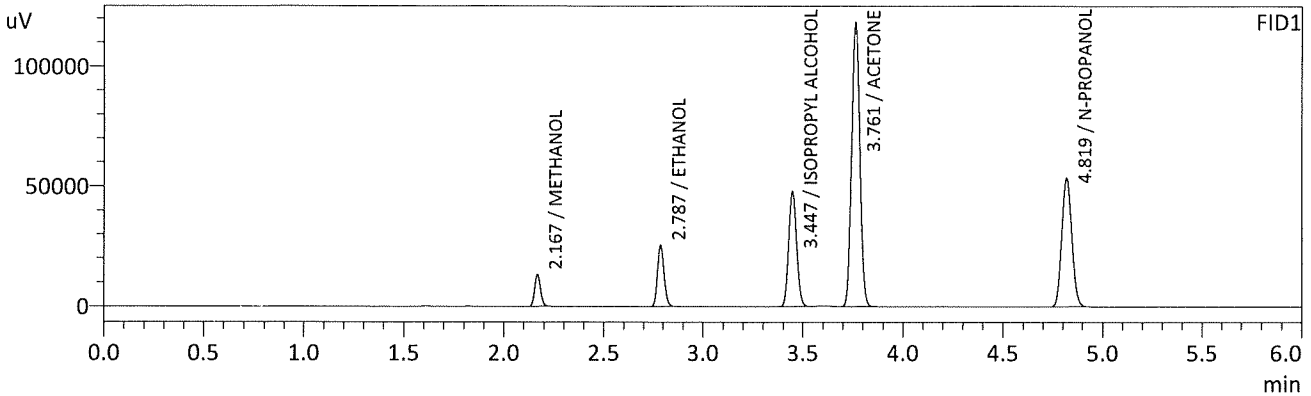
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176111	50108
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	187405	70816
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_3302022_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:01:11 PM
 Date Processed : 3/31/2022 8:53:33 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

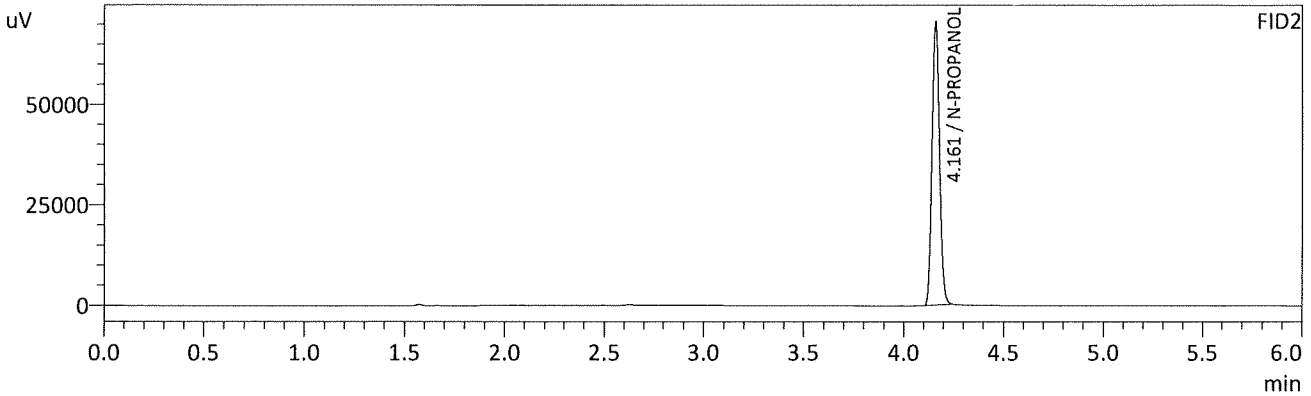
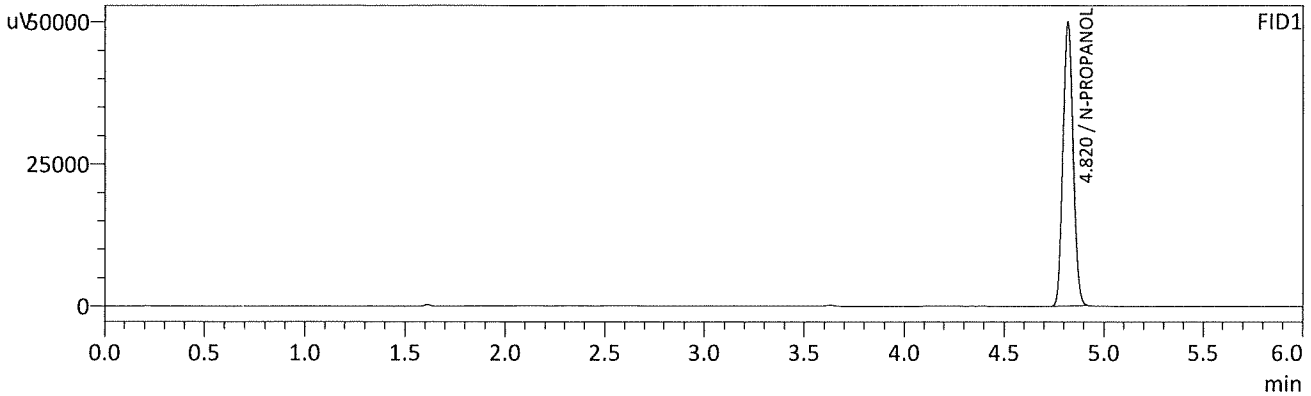
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	26650	13068
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1646	g/100cc	59284	25281
ISOPROPYL ALCOHOL	0.0000	g/100cc	134087	47781
ACETONE	0.0000	g/100cc	341411	117571
N-PROPANOL	0.0000	g/100cc	188206	53495
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	27675	14661
ETHANOL	0.1642	g/100cc	62579	31394
ACETONE	0.0000	g/100cc	367073	179275
ISOPROPYL ALCOHOL	0.0000	g/100cc	142693	67159
N-PROPANOL	0.0000	g/100cc	199950	75420
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_3302022_008.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:10:40 PM
 Date Processed : 3/31/2022 8:53:34 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175573	49908
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	186783	70500
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1

Item #

Analysis Date(s): 3/30/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0728	0.0731	0.0003	0.0729	0.0002	0.0730
(g/100cc)	0.0731	0.0732	0.0001	0.0731		

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
0.073	0.069	0.077	0.004

	Reported Result	
	0.073	

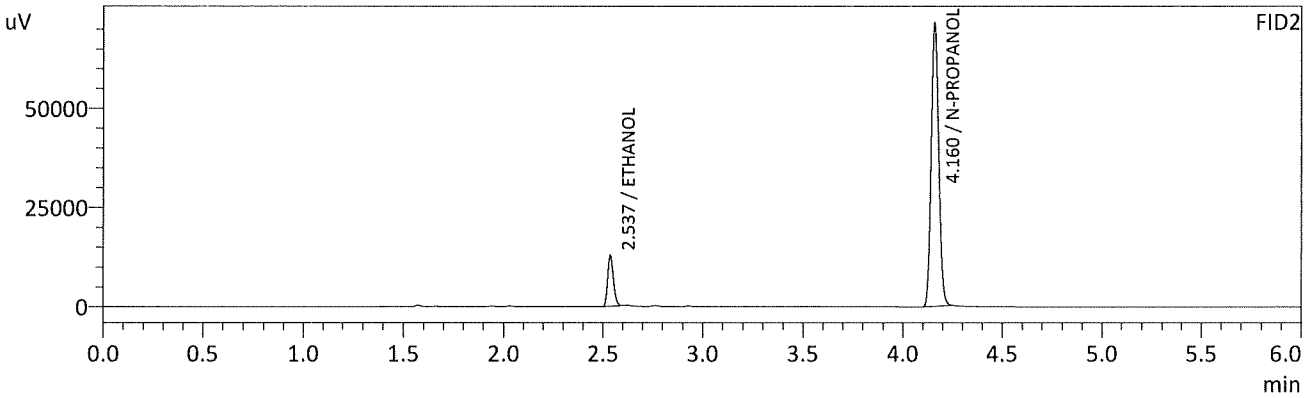
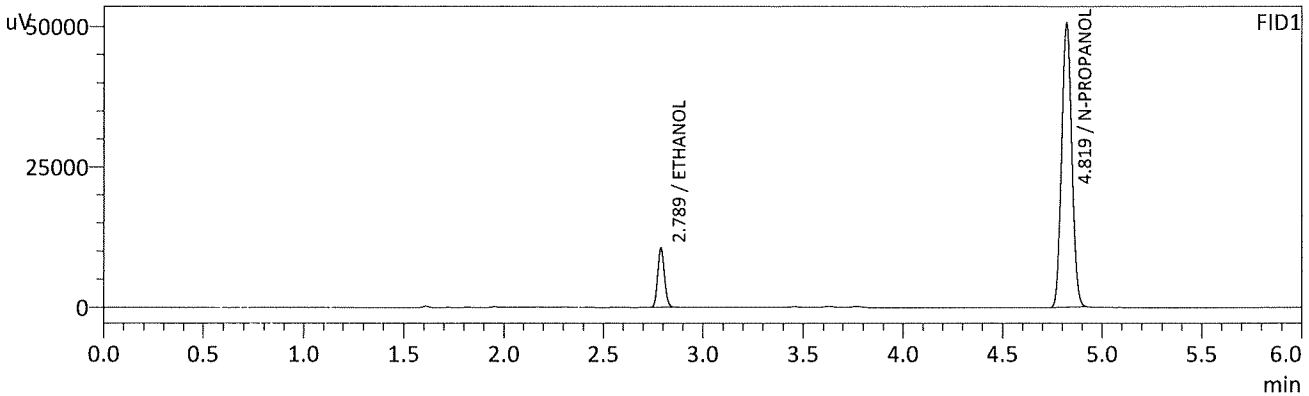
Calibration and control data are stored centrally.

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A
 Vial # : 9
 Data Filename : QC-1-1-A_3302022_009.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:19:58 PM
 Date Processed : 3/31/2022 8:53:35 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

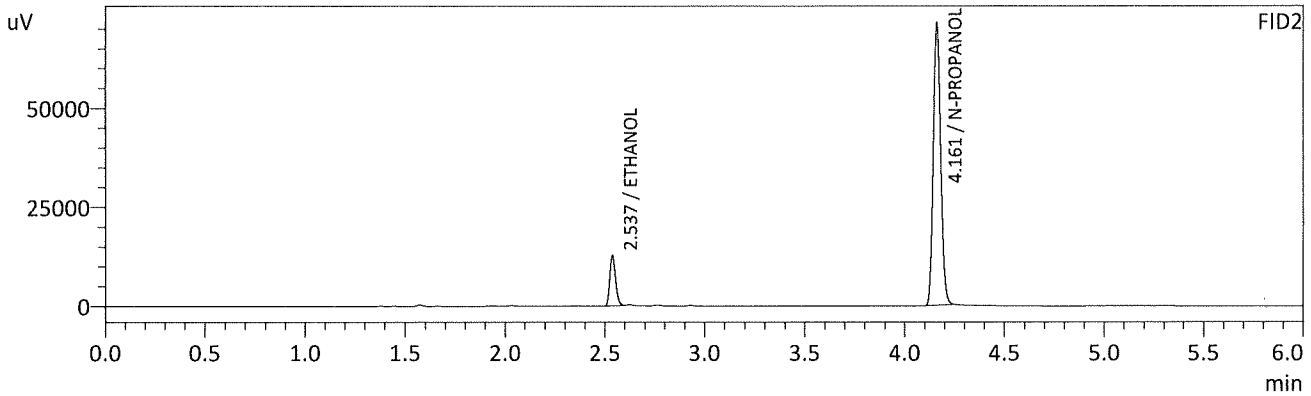
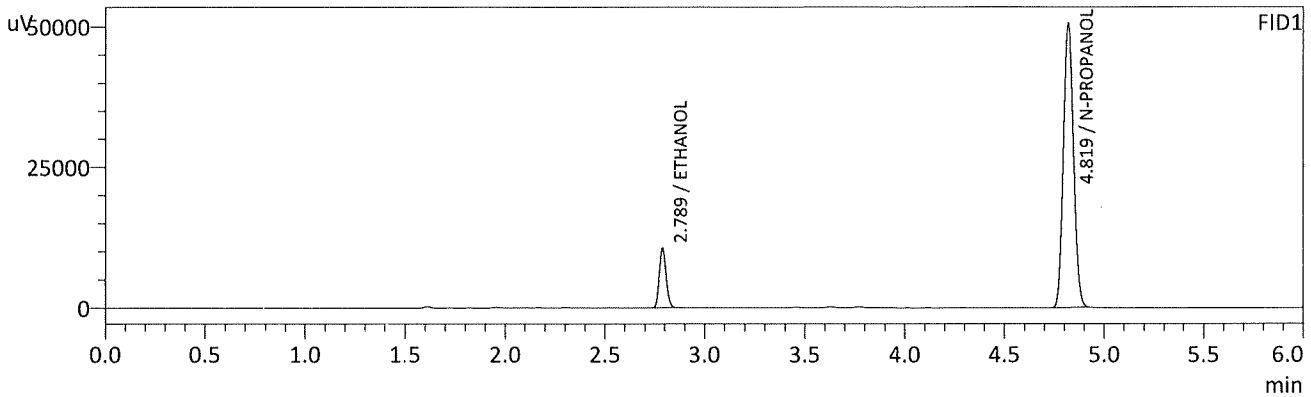
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	24620	10531
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178120	50600
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0731	g/100cc	25644	12800
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189337	71361
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-1-1-B
 Vial # : 10
 Data Filename : QC-1-1-B_3302022_010.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:29:45 PM
 Date Processed : 3/31/2022 8:53:36 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0731	g/100cc	24634	10500
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177459	50434
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0732	g/100cc	25561	12729
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188490	71307
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA Item # Analysis Date(s): 3/30/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0810	0.0001	0.0809	0.0005	0.0811
(g/100cc)	0.0814	0.0814	0.0000	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.081	

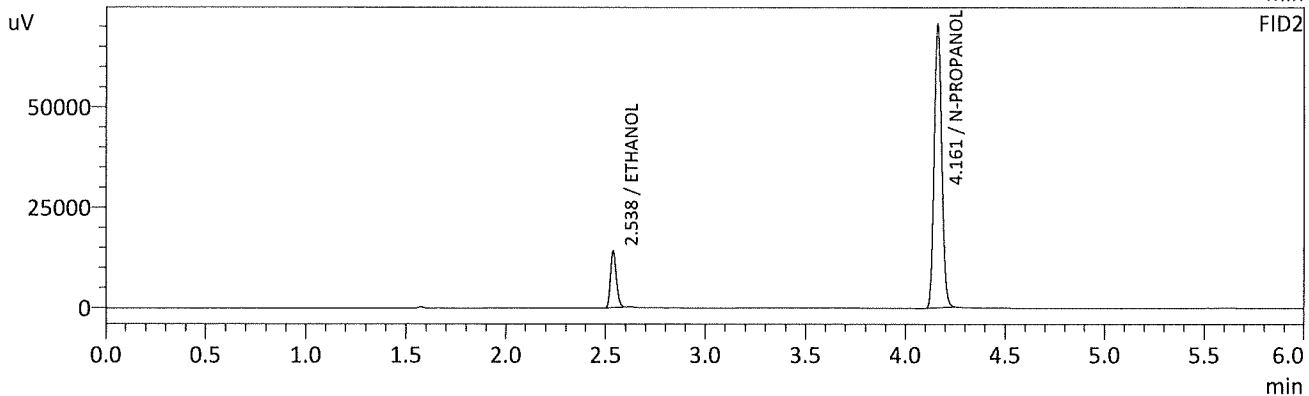
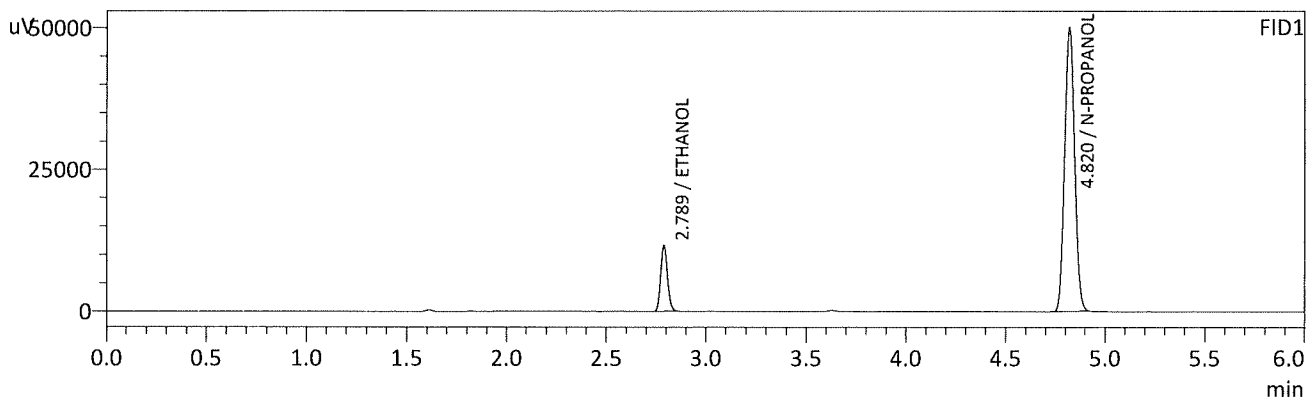
Calibration and control data are stored centrally.

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : 0.08 QA - A
 Vial # : 11
 Data Filename : 0.08 QA - A_3302022_011.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:39:13 PM
 Date Processed : 3/31/2022 8:53:38 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

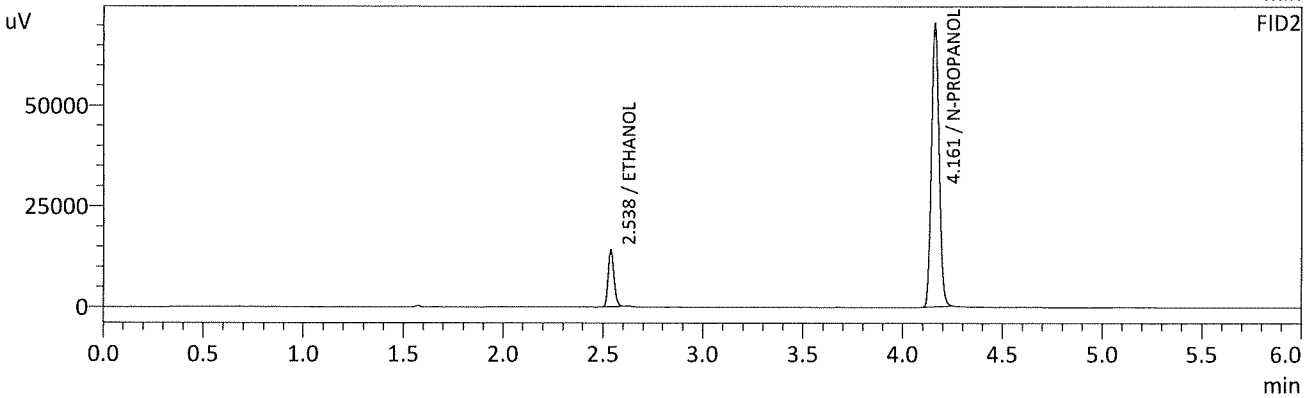
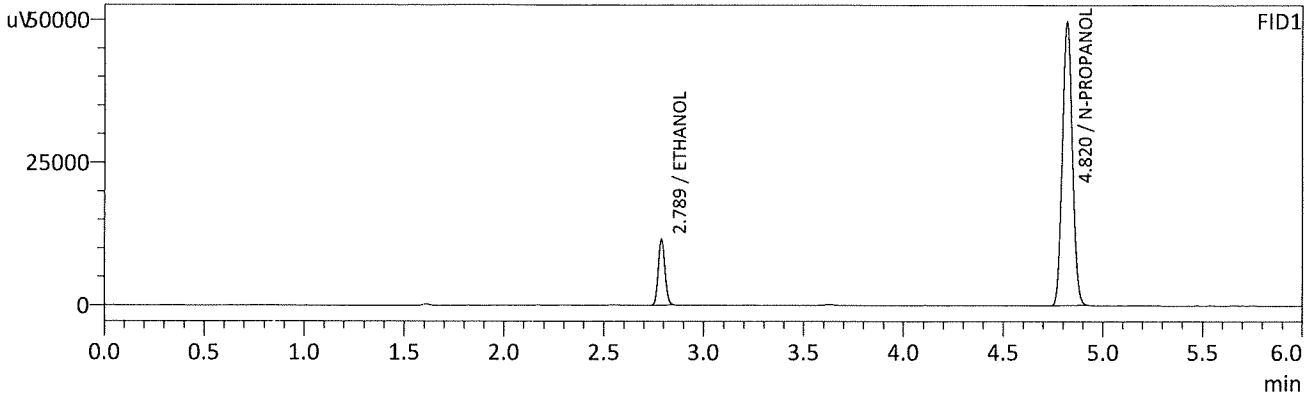
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	27104	11570
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176189	49946
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	28255	14086
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187457	70528
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_3302022_012.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 7:48:31 PM
 Date Processed : 3/31/2022 8:53:39 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	27038	11554
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174732	49599
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	28197	14047
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186175	70385
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-1

Item #

Analysis Date(s): 3/30/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2173	0.2166	0.0007	0.2169	0.0006	0.2172
(g/100cc)	0.2179	0.2171	0.0008	0.2175		

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
0.217	0.206	0.228	0.011

Reported Result	
0.217	

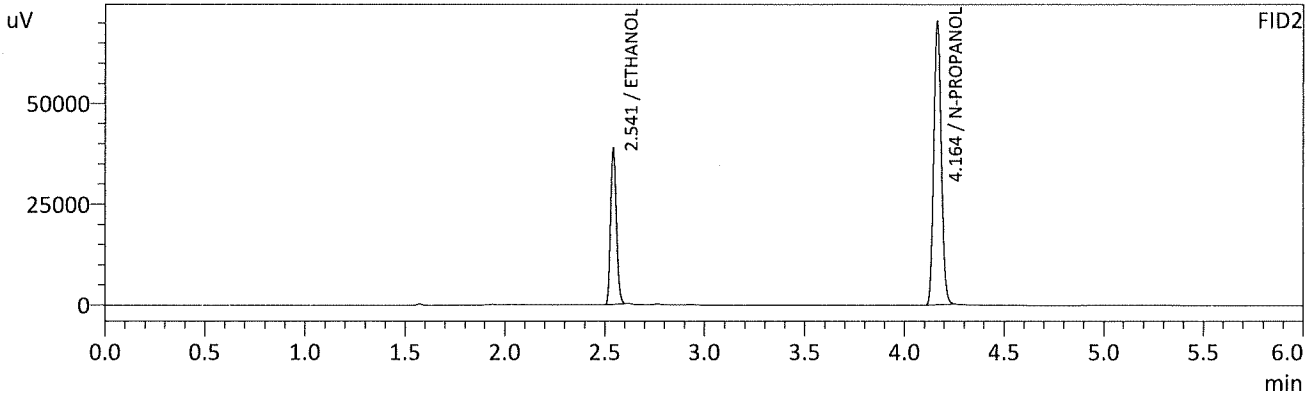
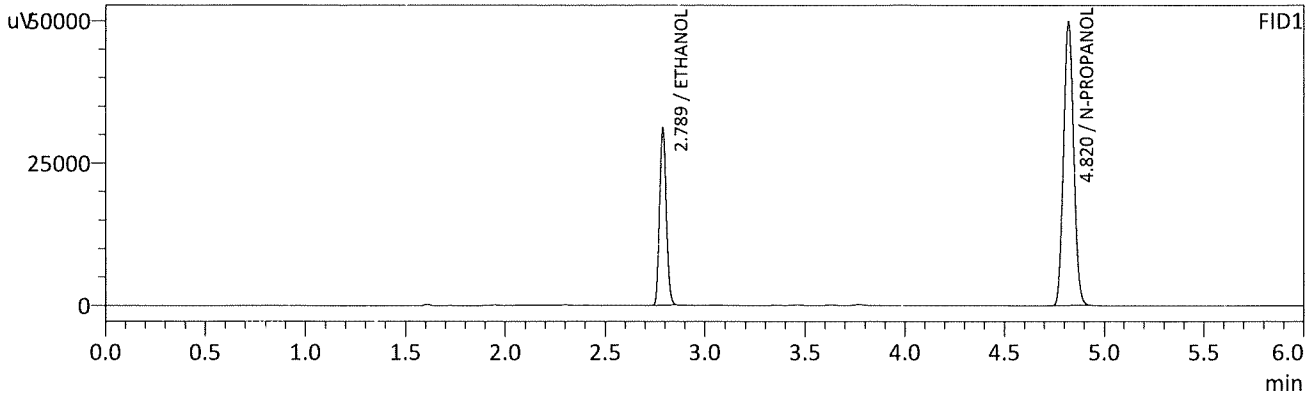
Calibration and control data are stored centrally.

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 Vial # : 31
 Data Filename : QC-2-1-A_3302022_031.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 10:49:36 PM
 Date Processed : 3/31/2022 8:54:01 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

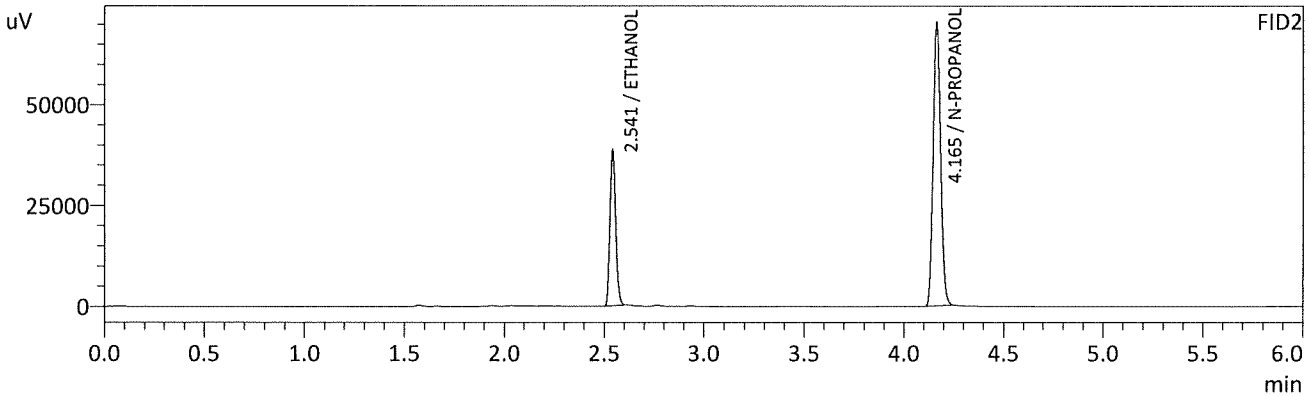
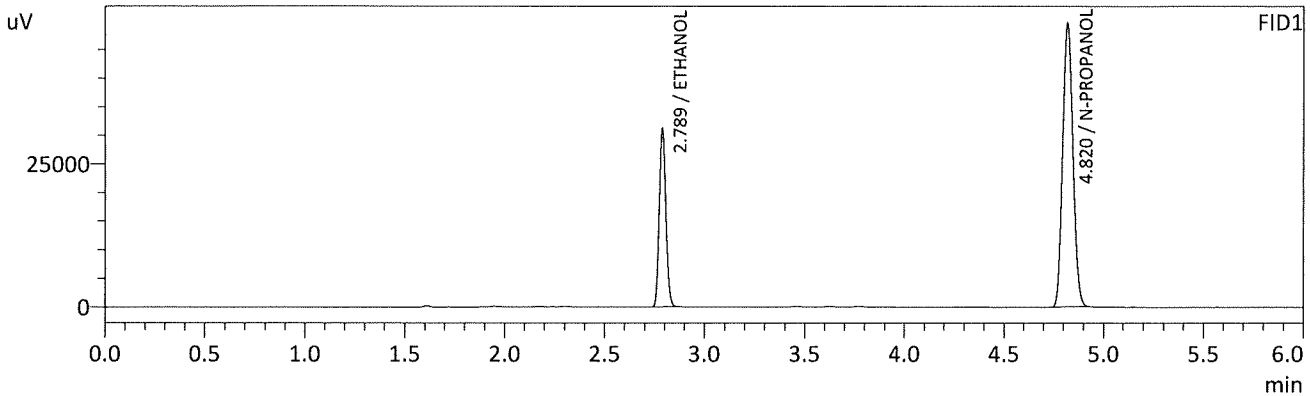
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2173	g/100cc	72830	31107
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174845	49682
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2166	g/100cc	77142	38668
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185816	70200
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC-2-1-B
 Vial # : 32
 Data Filename : QC-2-1-B_3302022_032.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/30/2022 10:59:06 PM
 Date Processed : 3/31/2022 8:54:02 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2179	g/100cc	72739	31100
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174166	49425
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2171	g/100cc	77049	38668
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185121	70176
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2

Item #

Analysis Date(s): 3/30/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0788	0.0789	0.0001	0.0788	0.0001	0.0788
(g/100cc)	0.0788	0.0787	0.0001	0.0787		

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
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

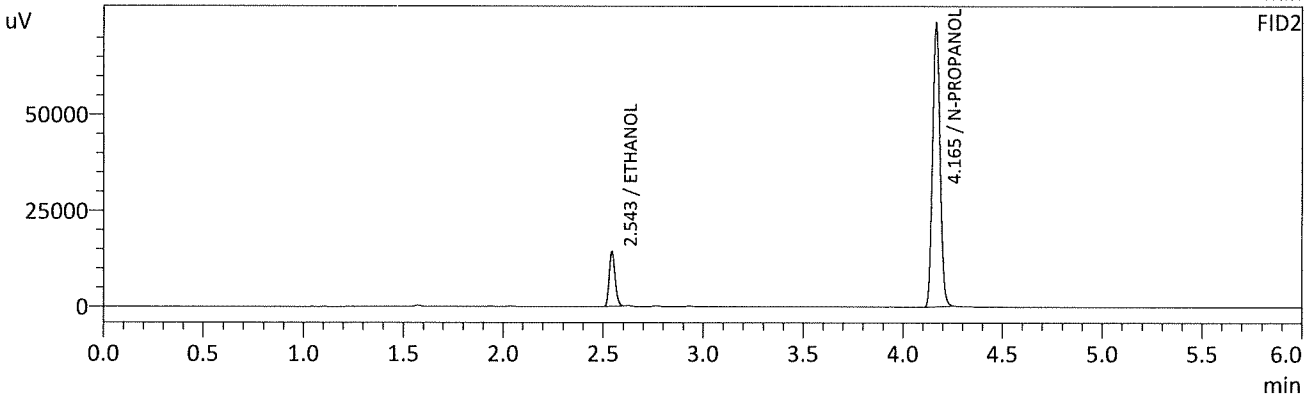
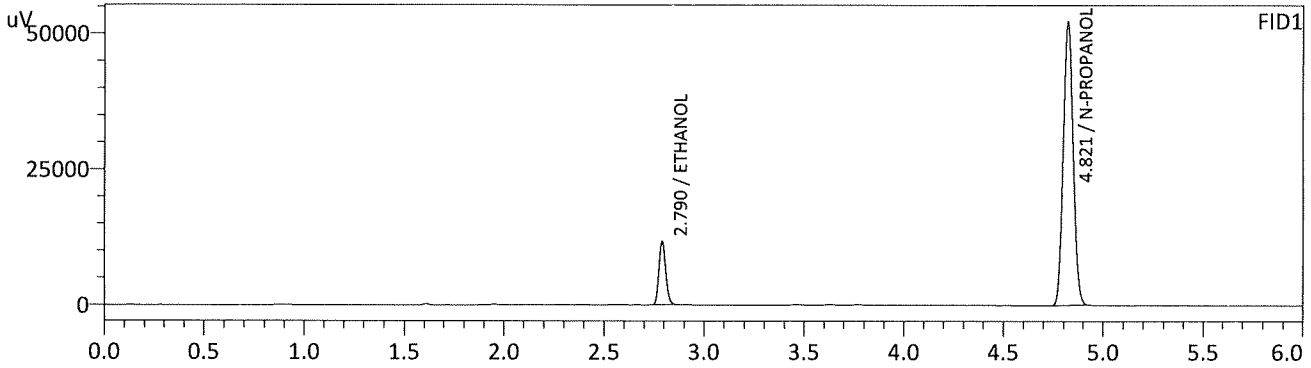
Calibration and control data are stored centrally.

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 Vial # : 53
 Data Filename : QC1-2-A_3302022_053.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/31/2022 2:18:59 AM
 Date Processed : 3/31/2022 8:54:27 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

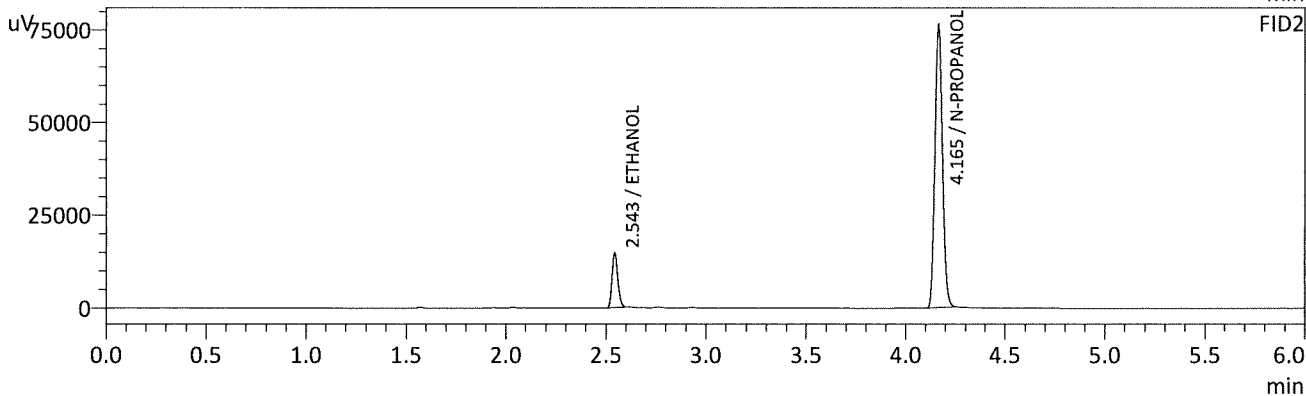
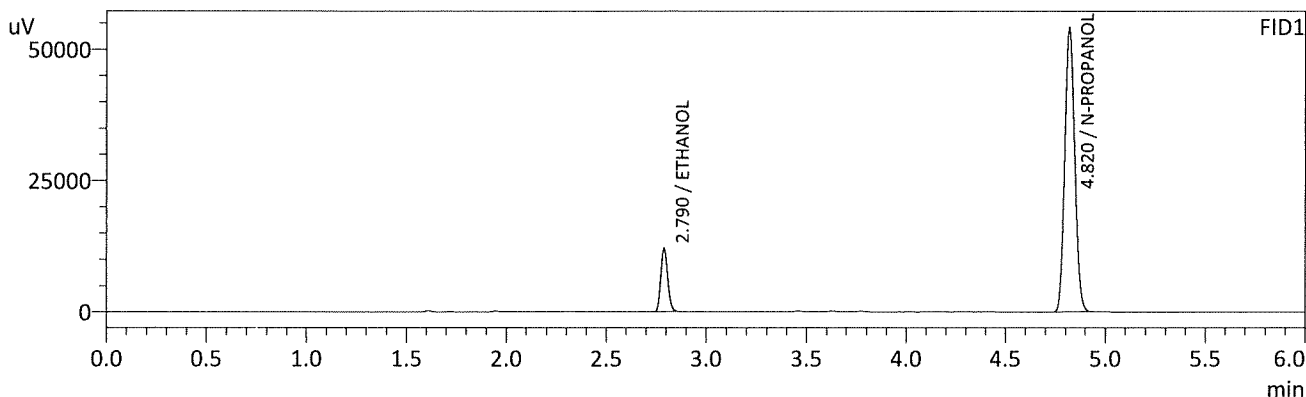
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0788	g/100cc	27454	11641
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183212	52029
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0789	g/100cc	28665	14195
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195325	73808
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_3302022_054.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/31/2022 2:28:16 AM
 Date Processed : 3/31/2022 8:54:28 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

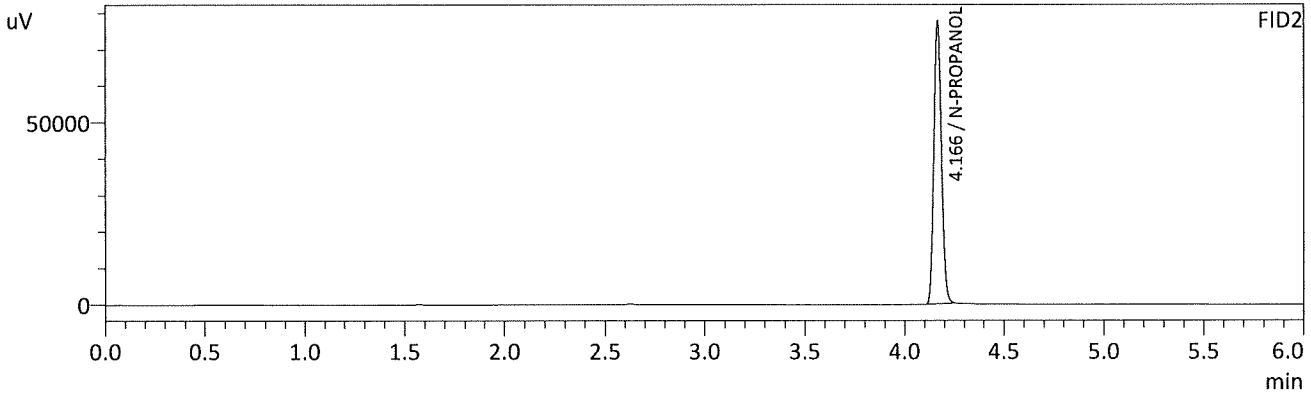
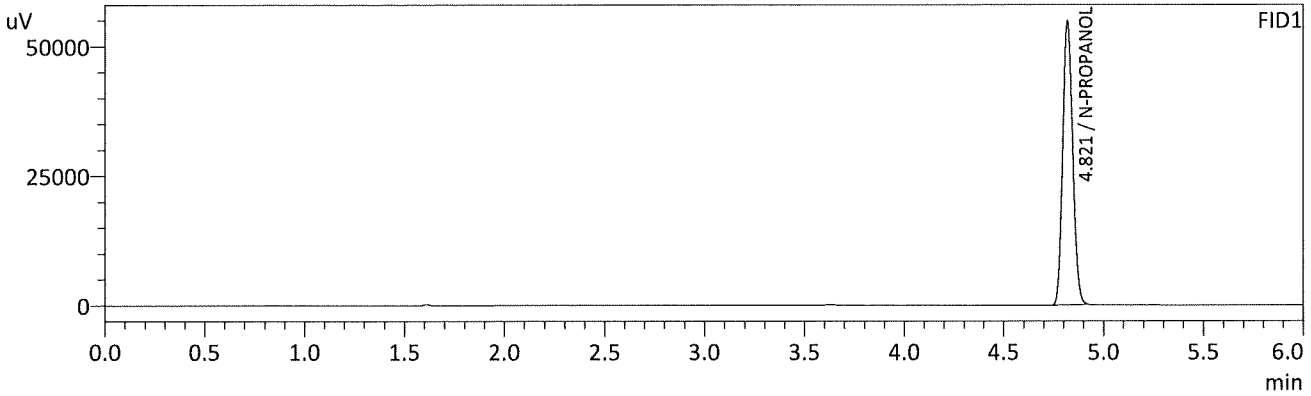
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0788	g/100cc	28376	12035
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189347	53916
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0787	g/100cc	29519	14674
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201840	76313
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JRC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_3302022_055.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/31/2022 2:38:06 AM
 Date Processed : 3/31/2022 8:54:29 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

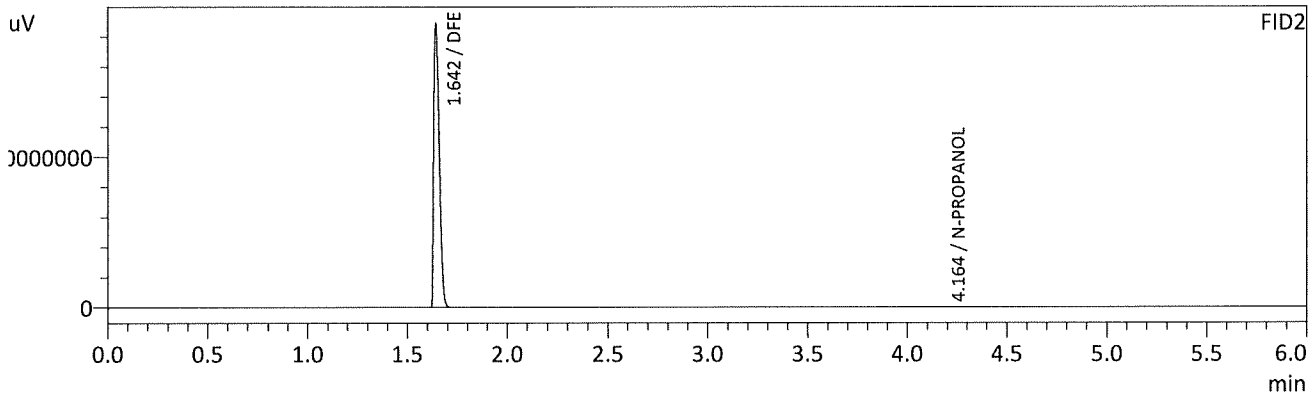
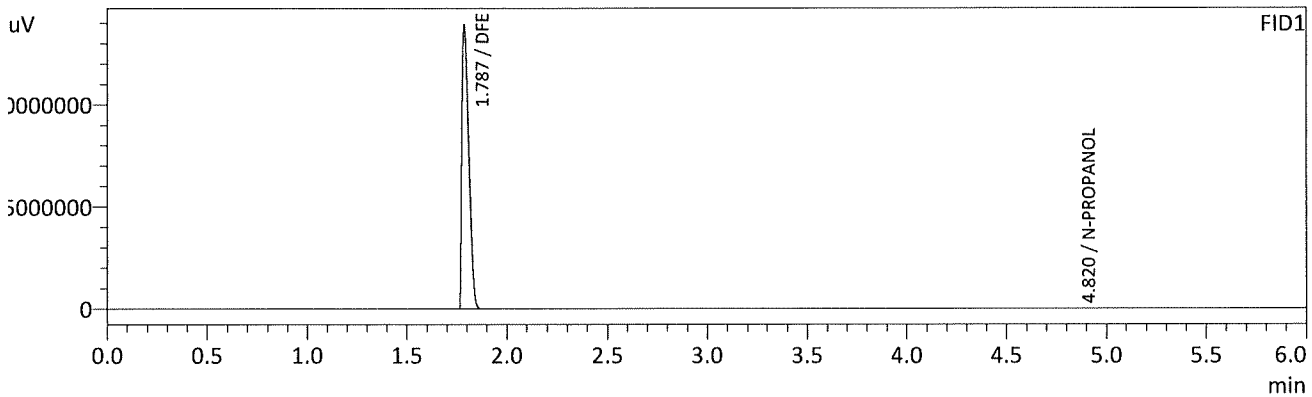
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191798	54544
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	204984	77547
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

WRC

Sample Name : DFE
 Vial # : 56
 Data Filename : DFE_3302022_056.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 3-30-22 BATCH.gcb
 Date Acquired : 3/31/2022 2:47:31 AM
 Date Processed : 3/31/2022 8:54:30 AM
 C:\LabSolutions\Data\2022\3-30-22 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	138590	39079
DFE	0.0000	g/100cc	170680670	69399926
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	145418	54384
DFE	0.0000	g/100cc	181425630	93535550
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	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	P2022-0685-1-A	0:Unknown	ALCOHOL.gcm		0
14	P2022-0685-1-B	0:Unknown	ALCOHOL.gcm		0
15	P2022-0686-1-A	0:Unknown	ALCOHOL.gcm		0
16	P2022-0686-1-B	0:Unknown	ALCOHOL.gcm		0
17	P2022-0688-1-A	0:Unknown	ALCOHOL.gcm		0
18	P2022-0688-1-B	0:Unknown	ALCOHOL.gcm		0
19	P2022-0718-1-A	0:Unknown	ALCOHOL.gcm		0
20	P2022-0718-1-B	0:Unknown	ALCOHOL.gcm		0
21	P2022-0720-1-A	0:Unknown	ALCOHOL.gcm		0
22	P2022-0720-1-B	0:Unknown	ALCOHOL.gcm		0
23	P2022-0744-1-A	0:Unknown	ALCOHOL.gcm		0
24	P2022-0744-1-B	0:Unknown	ALCOHOL.gcm		0
25	P2022-0753-1-A	0:Unknown	ALCOHOL.gcm		0
26	P2022-0753-1-B	0:Unknown	ALCOHOL.gcm		0
27	P2022-0795-1-A	0:Unknown	ALCOHOL.gcm		0
28	P2022-0795-1-B	0:Unknown	ALCOHOL.gcm		0
29	P2022-0796-1-A	0:Unknown	ALCOHOL.gcm		0
30	P2022-0796-1-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	P2022-0800-1-A	0:Unknown	ALCOHOL.gcm		0
34	P2022-0800-1-B	0:Unknown	ALCOHOL.gcm		0
35	P2022-0801-1-A	0:Unknown	ALCOHOL.gcm		0
36	P2022-0801-1-B	0:Unknown	ALCOHOL.gcm		0
37	P2022-0814-1-A	0:Unknown	ALCOHOL.gcm		0
38	P2022-0814-1-B	0:Unknown	ALCOHOL.gcm		0
39	P2022-0815-1-A	0:Unknown	ALCOHOL.gcm		0
40	P2022-0815-1-B	0:Unknown	ALCOHOL.gcm		0
41	P2022-0823-1-A	0:Unknown	ALCOHOL.gcm		0
42	P2022-0823-1-B	0:Unknown	ALCOHOL.gcm		0
43	P2022-0824-1-A	0:Unknown	ALCOHOL.gcm		0
44	P2022-0824-1-B	0:Unknown	ALCOHOL.gcm		0
45	P2022-0831-1-A	0:Unknown	ALCOHOL.gcm		0
46	P2022-0831-1-B	0:Unknown	ALCOHOL.gcm		0
47	P2022-0832-1-A	0:Unknown	ALCOHOL.gcm		0
48	P2022-0832-1-B	0:Unknown	ALCOHOL.gcm		0
49	P2022-0852-1-A	0:Unknown	ALCOHOL.gcm		0
50	P2022-0852-1-B	0:Unknown	ALCOHOL.gcm		0
51	P2022-0863-1-A	0:Unknown	ALCOHOL.gcm		0
52	P2022-0863-1-B	0:Unknown	ALCOHOL.gcm		0

RC

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	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0
56	DFE	0:Unknown	ALCOHOL.gcm		0