

Worklist: 6237

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0299	1	BCK	Alcohol Analysis	
P2023-0302	1	BCK	Alcohol Analysis	
P2023-0311	1	BCK	Alcohol Analysis	
P2023-0330	1	BCK	Alcohol Analysis	
P2023-0331	1	BCK	Alcohol Analysis	
P2023-0332	2	BCK	Alcohol Analysis	
P2023-0337	1	BCK	Alcohol Analysis	
P2023-0355	1	BCK	Alcohol Analysis	
P2023-0356	1	BCK	Alcohol Analysis	
P2023-0370	1	BCK	Alcohol Analysis	
P2023-0371	1	CBUK	Alcohol Analysis	
P2023-0379	1	BCK	Alcohol Analysis	
P2023-0382	1	BCK	Alcohol Analysis	
P2023-0400	1	BCK	Alcohol Analysis	

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): 2/7/23

Calibration Date: (if different) : 2/2/23

Worklist #: 6237

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0722 g/100cc
					0.0778 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2123 g/100cc g/100cc g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:			Column 1	0.99998	Column2 0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0504	0.0514	0.001	0.0509
100	0.100	0.090 - 0.110	0.1001	0.1000	1E-04	0.1
200	0.200	0.180 - 0.220	0.1994	0.1986	0.0008	0.199
300	0.300	0.270 - 0.330	0.2993	0.2986	0.0007	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5011	0.0006	0.5008

Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worksheet #: **6237** Run Date(s): **2/7/23**

Internal Standard Solution: _____ Prep Date: **1/14/2023** Exp Date: **7/14/2023**

Sample Name	Column 1 Value	Column 2 Value
0.080	173434	180904
0.080	172112	179624
QC1	172016	179463
QC1	174135	181576
QC1	175233	183106
QC1	174926	183004
QC1		
QC1		
QC2	168830	175747
QC2	172066	179032
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	172844.0	138275.2	207412.8
Column 2	180307.0	144245.6	216368.4

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

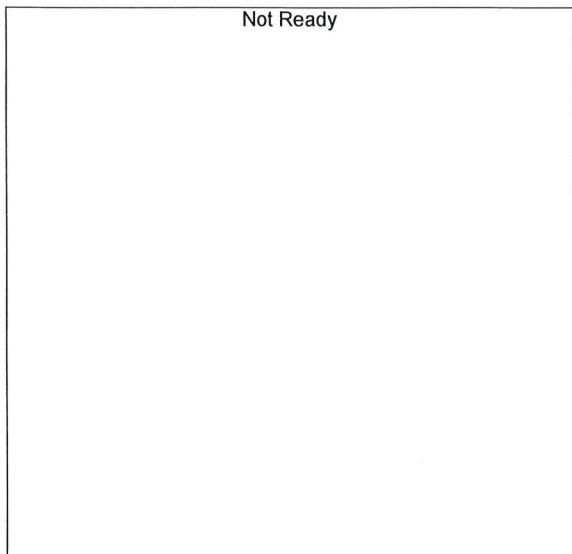
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Calibration Table

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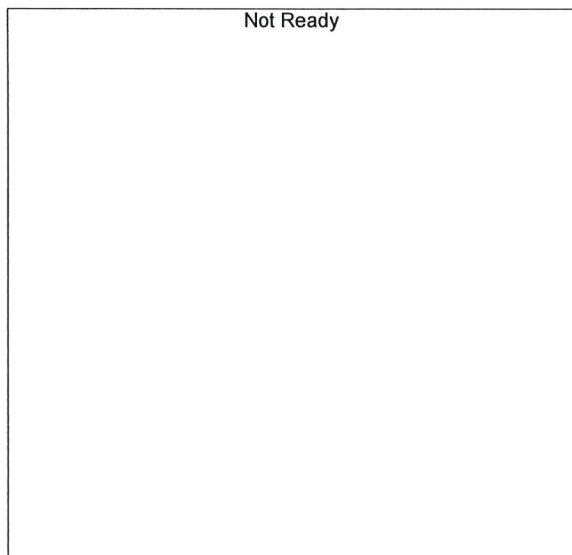
Laboratory: Pocatello
 Instrument Name : GC2030-HS20

<<Method File>>
 Method File :C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm
 Date Created :2/3/2022 1:34:42 PM
 Date Modified :2/3/2023 7:51:05 AM



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

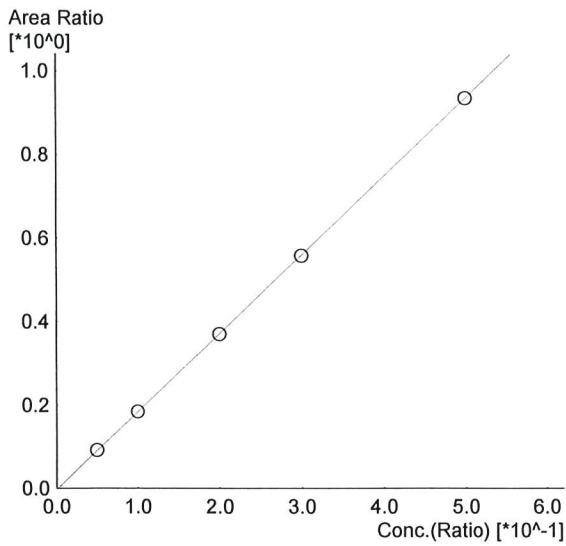
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



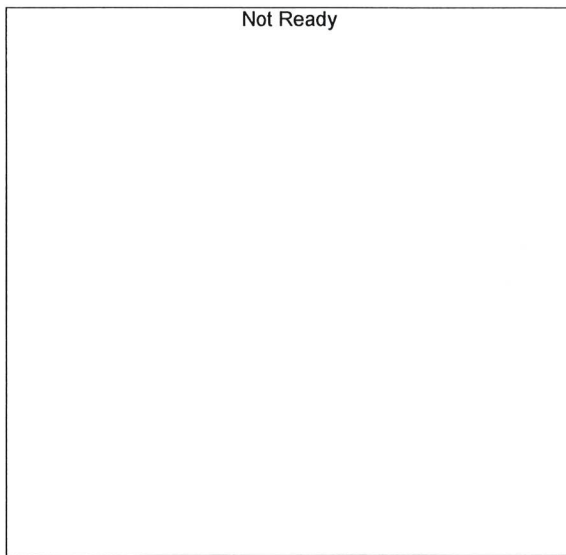
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=1.87267*x-0.00301918$
 R^2 value= 0.9999899
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15553	0.0504	0.050_222023_001.gcd
2	0.100	31708	0.1001	0.100_222023_002.gcd
3	0.200	64153	0.1994	0.200_222023_003.gcd
4	0.300	96945	0.2993	0.300_222023_004.gcd
5	0.500	162977	0.5005	0.500_222023_005.gcd



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.	Data File Name
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Name : ACETONE
 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
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URC

Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

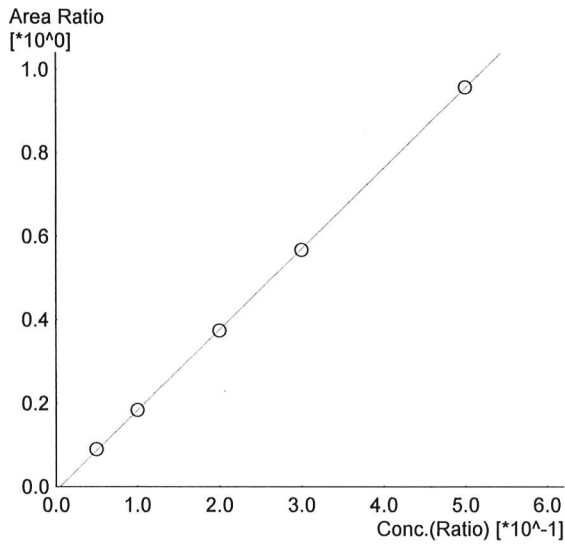
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RC



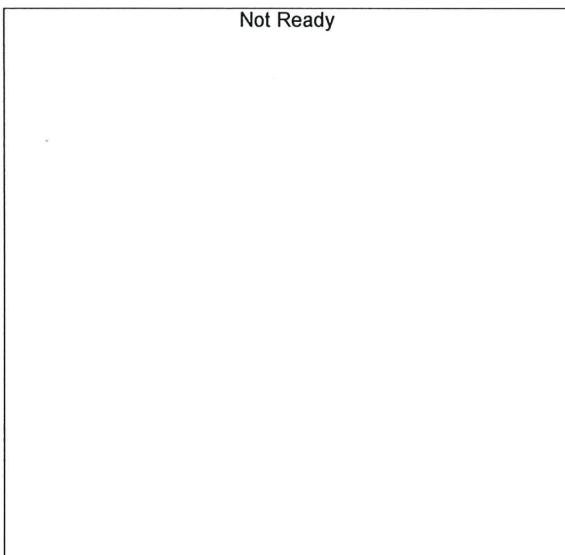
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=1.93021*x-0.00940945$
 R² value= 0.9999449
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15782	0.0514	0.050_222023_001.gcd
2	0.100	32781	0.1000	0.100_222023_002.gcd
3	0.200	67249	0.1986	0.200_222023_003.gcd
4	0.300	102322	0.2986	0.300_222023_004.gcd
5	0.500	173270	0.5011	0.500_222023_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
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RC

Not Ready

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.	Data File Name
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Not Ready

Name : DFE
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
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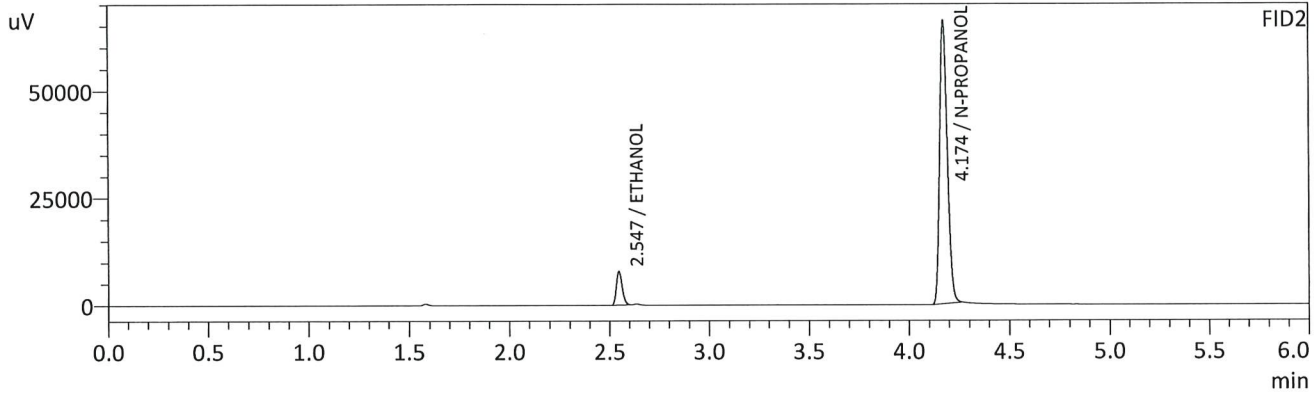
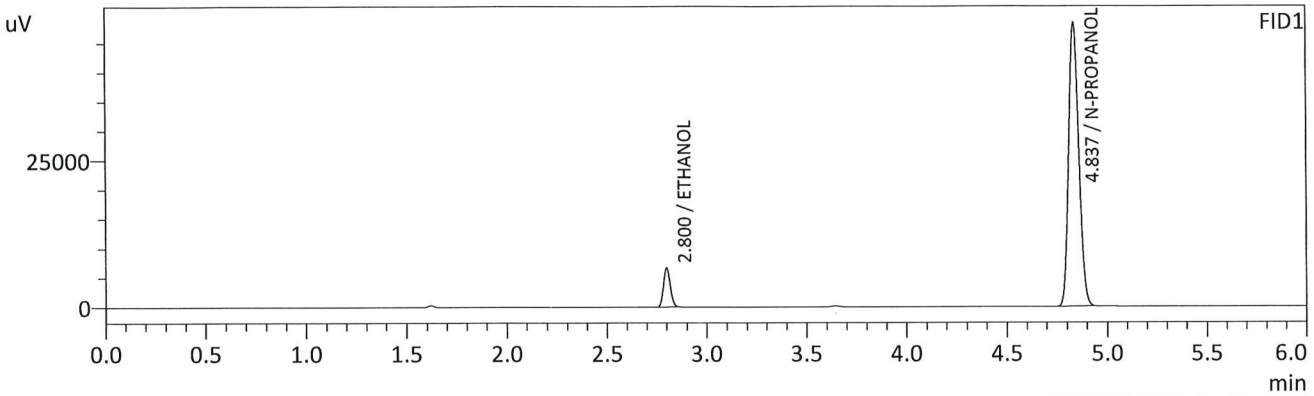
Not Ready

Name : TFE
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
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RC

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_222023_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 02-02-23 batch.gcb
 Date Acquired : 2/2/2023 2:07:39 PM
 Date Processed : 2/3/2023 7:50:57 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

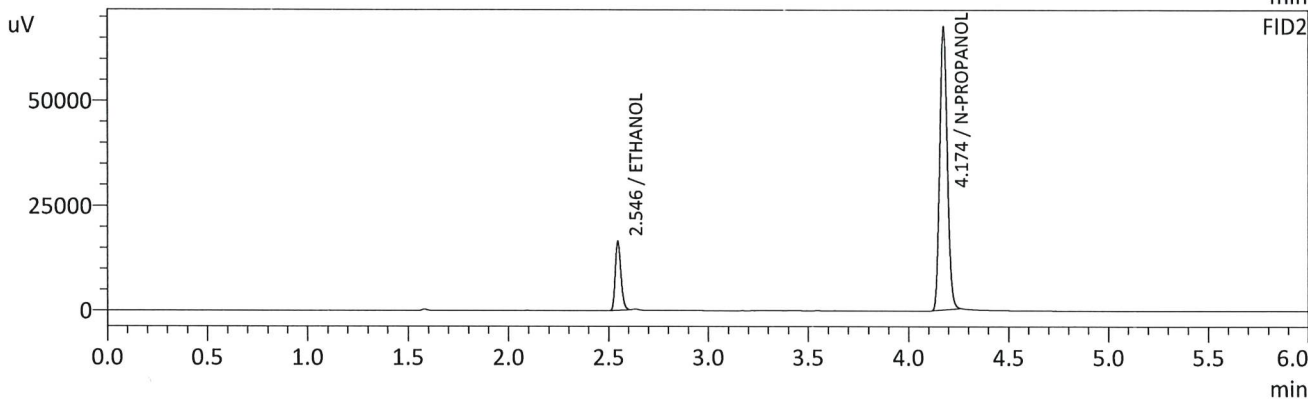
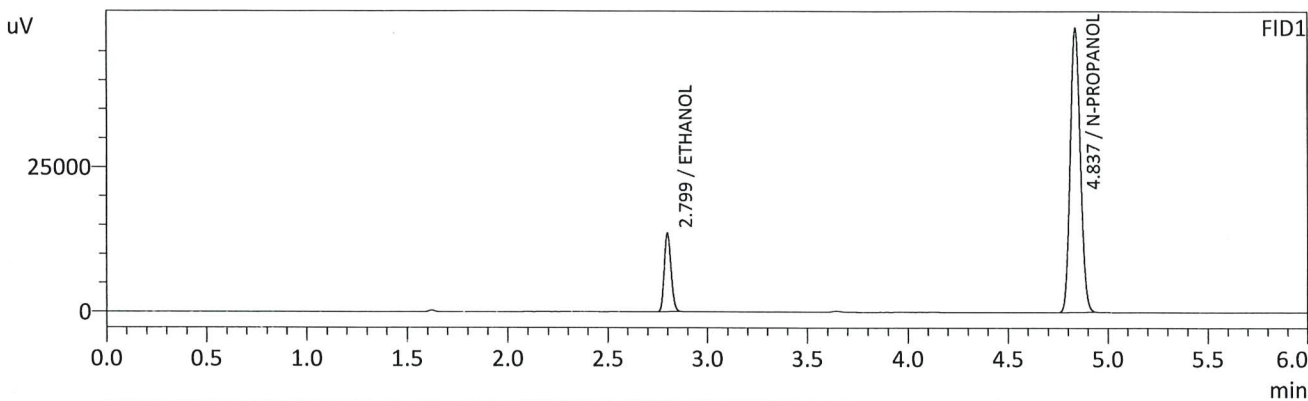
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0504	g/100cc	15553	6590
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169917	48321
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	15782	7831
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175636	65785
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_222023_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 02-02-23 batch.gcb
 Date Acquired : 2/2/2023 2:17:08 PM
 Date Processed : 2/3/2023 7:50:59 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

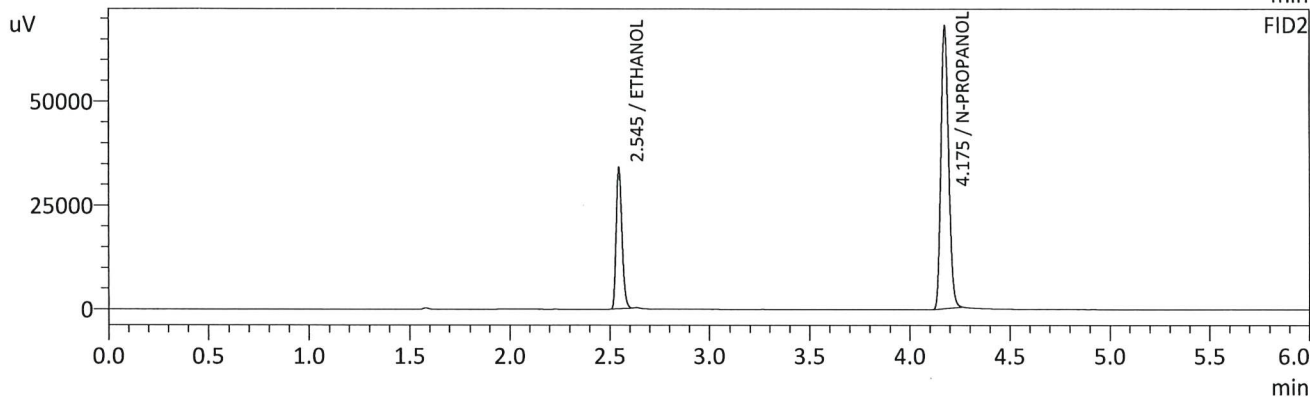
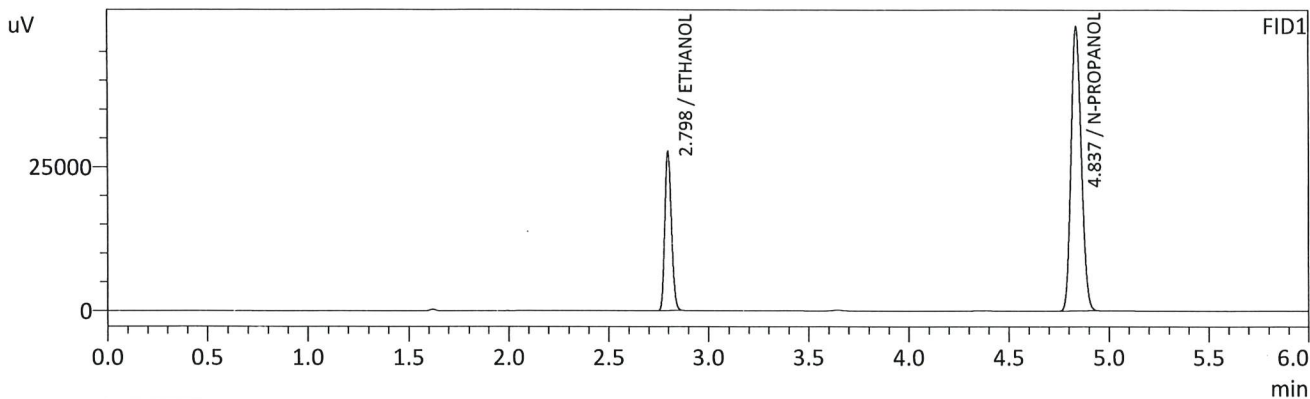
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	31708	13580
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171760	49081
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	32781	16461
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178419	67482
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_222023_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 02-02-23 batch.gcb
 Date Acquired : 2/2/2023 2:26:29 PM
 Date Processed : 2/3/2023 7:51:01 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

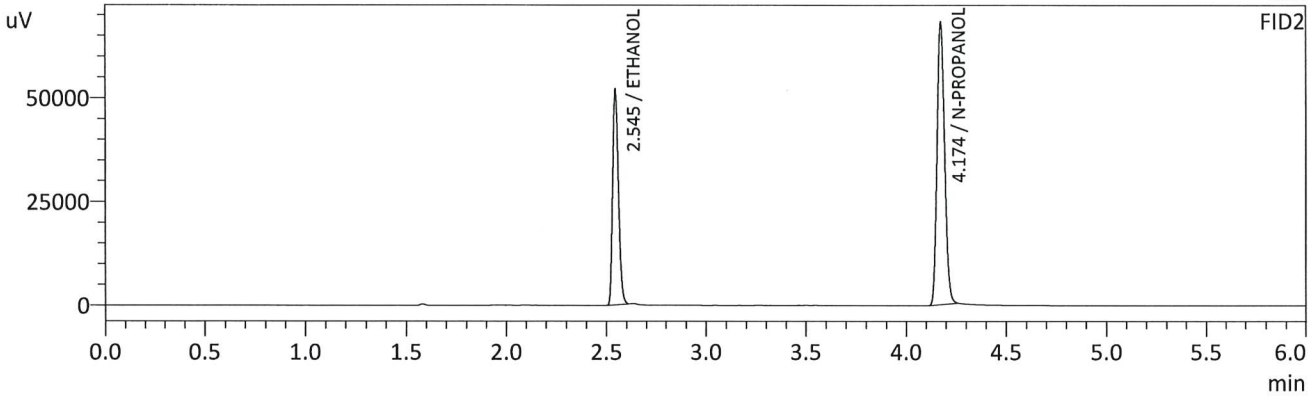
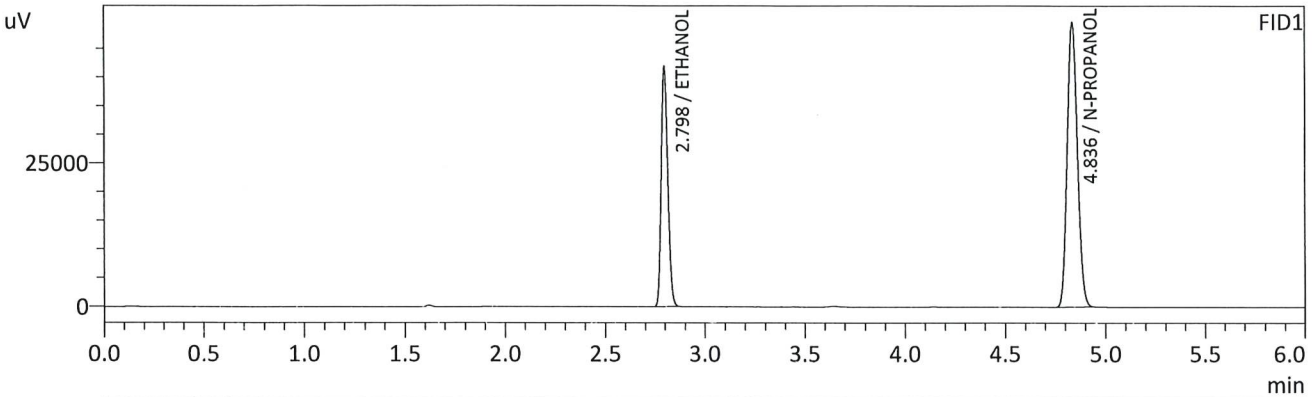
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1994	g/100cc	64153	27571
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173155	49401
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	67249	33885
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179759	67997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_222023_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 02-02-23 batch.gcb
 Date Acquired : 2/2/2023 2:36:12 PM
 Date Processed : 2/3/2023 7:51:03 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

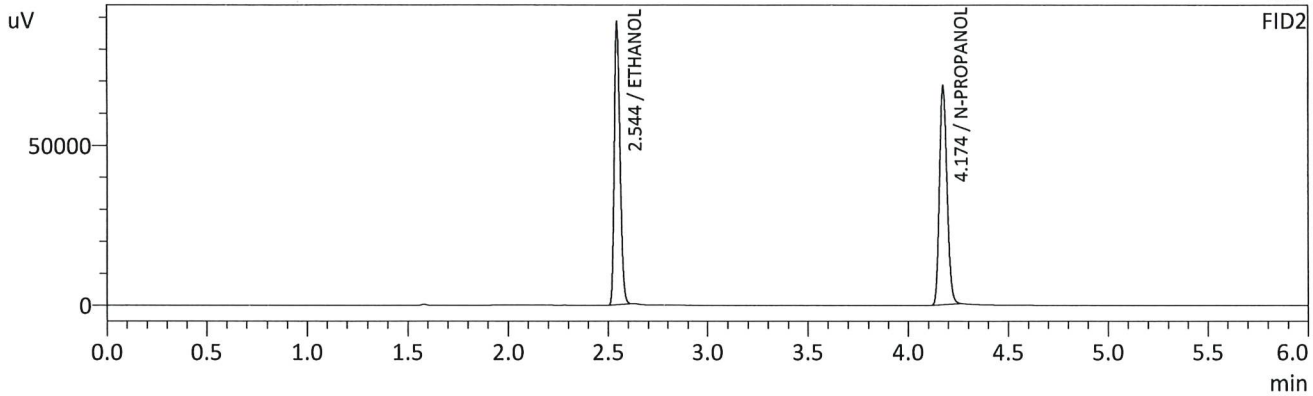
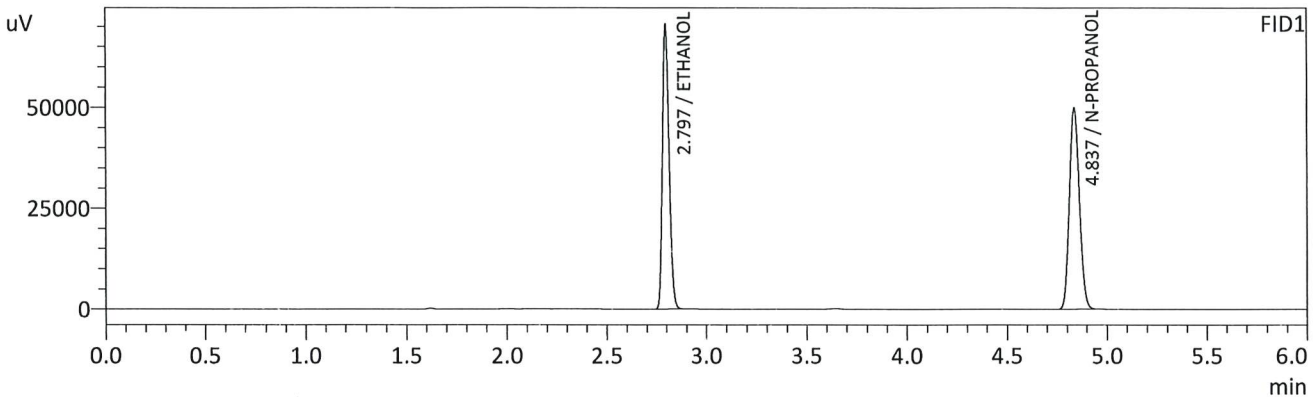
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2993	g/100cc	96945	41768
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173882	49530
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2986	g/100cc	102322	51555
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180460	67997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

yc

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_222023_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 02-02-23 batch.gcb
 Date Acquired : 2/2/2023 2:45:45 PM
 Date Processed : 2/3/2023 7:51:05 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\ALCOHOL.gcm



FID1

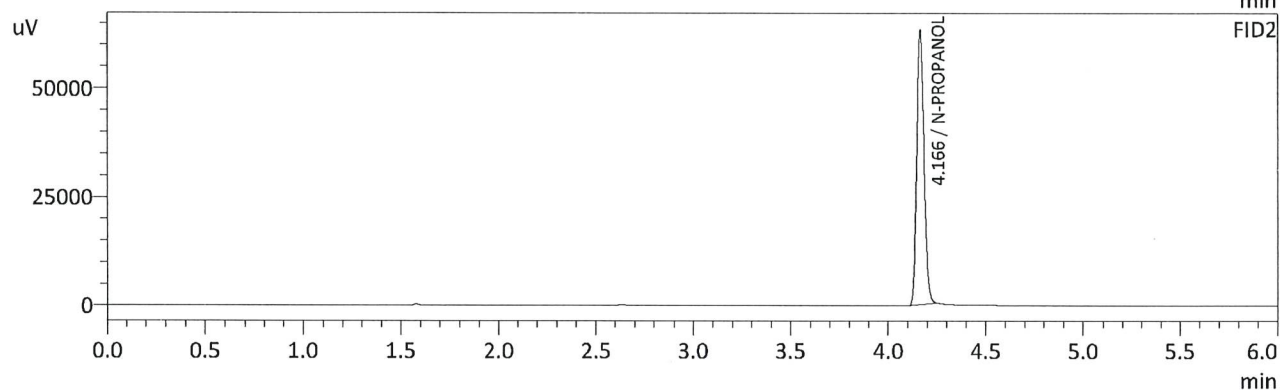
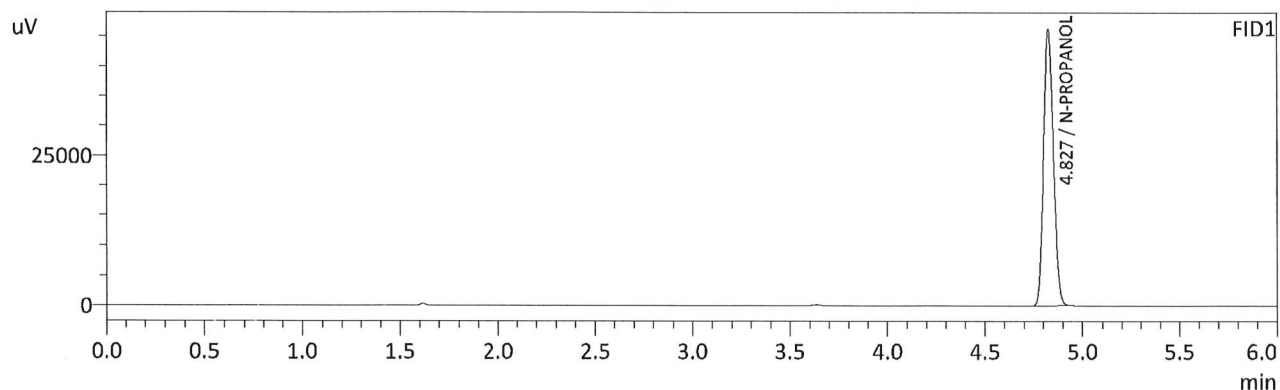
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5005	g/100cc	162977	70238
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174436	49794
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5011	g/100cc	173270	87584
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180867	68314
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 1
 Vial # : 1
 Data Filename : INT STD BLK 1_272023_001.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 10:51:49 AM
 Date Processed : 2/7/2023 10:57:50 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

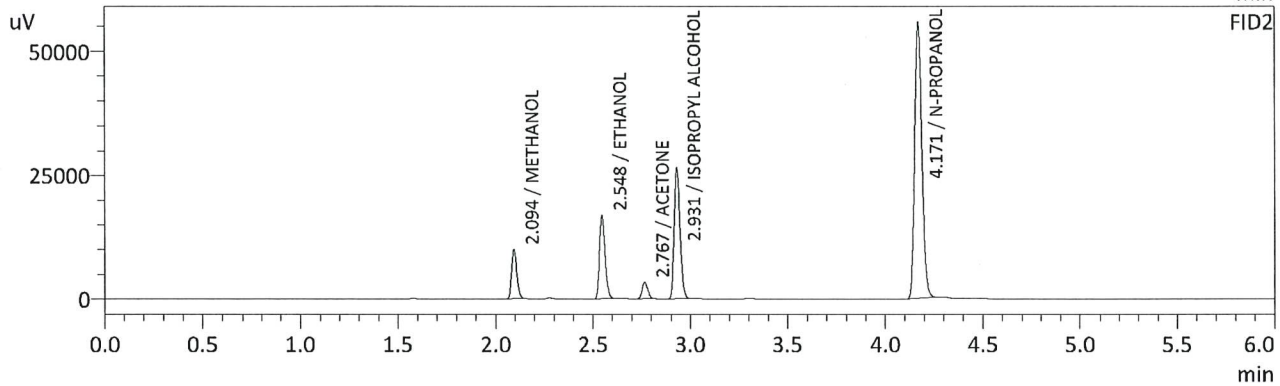
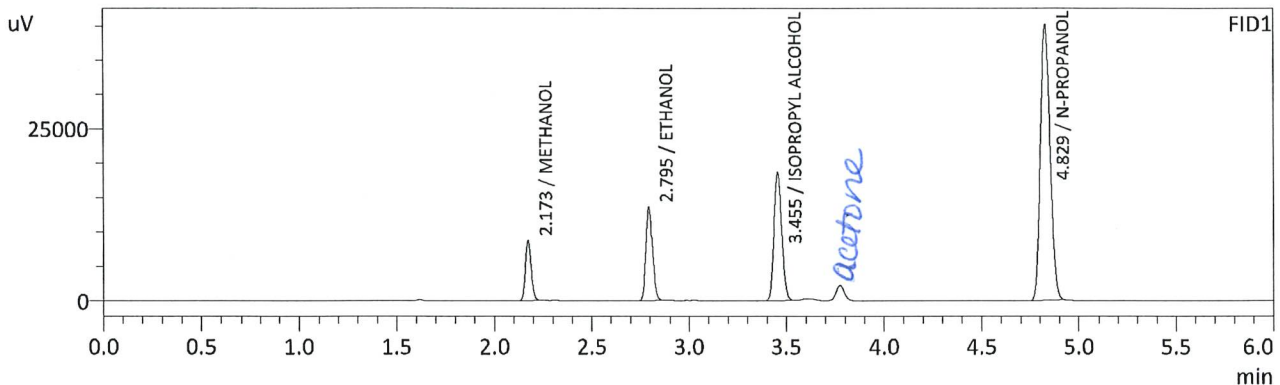
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	161742	46215
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	167709	63314
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : MULTI-COMP MIX
 Vial # : 2
 Data Filename : MULTI-COMP MIX_272023_002.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:01:19 AM
 Date Processed : 2/7/2023 11:07:21 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

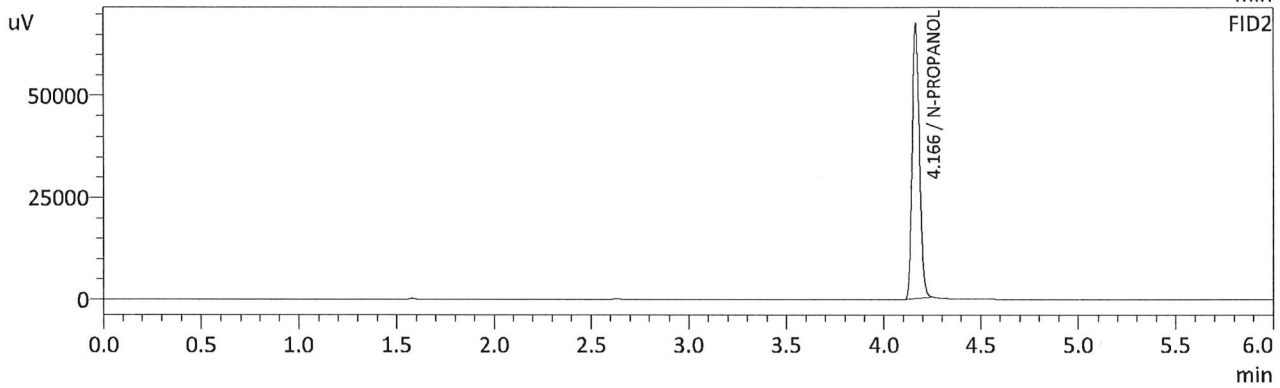
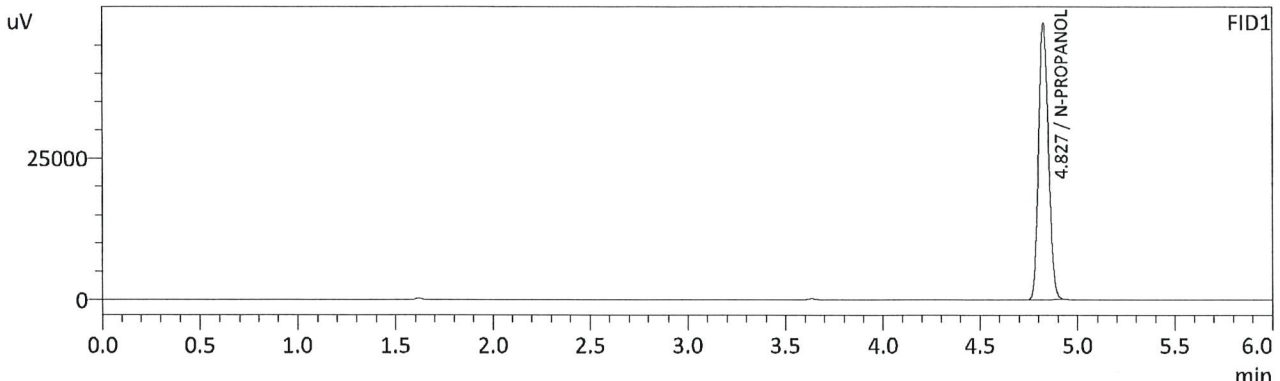
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	17698	8742
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1214	g/100cc	31227	13479
ISOPROPYL ALCOHOL	0.0000	g/100cc	51669	18621
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	139198	40111
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18613	9935
ETHANOL	0.1219	g/100cc	32962	16565
ACETONE	0.0000	g/100cc	6598	3308
ISOPROPYL ALCOHOL	0.0000	g/100cc	54959	26079
N-PROPANOL	0.0000	g/100cc	145917	55438
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 3
 Data Filename : INT STD BLK 2_272023_003.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:10:41 AM
 Date Processed : 2/7/2023 11:16:43 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 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	171376	48863
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	178496	67443
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1

Item # 1

Analysis Date(s): 2/7/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0721	0.0725	0.0004	0.0723	0.0001	0.0722
(g/100cc)	0.0719	0.0725	0.0006	0.0722		

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
0.072	0.068	0.076	0.004

	Reported Result	Notes:
	0.072	

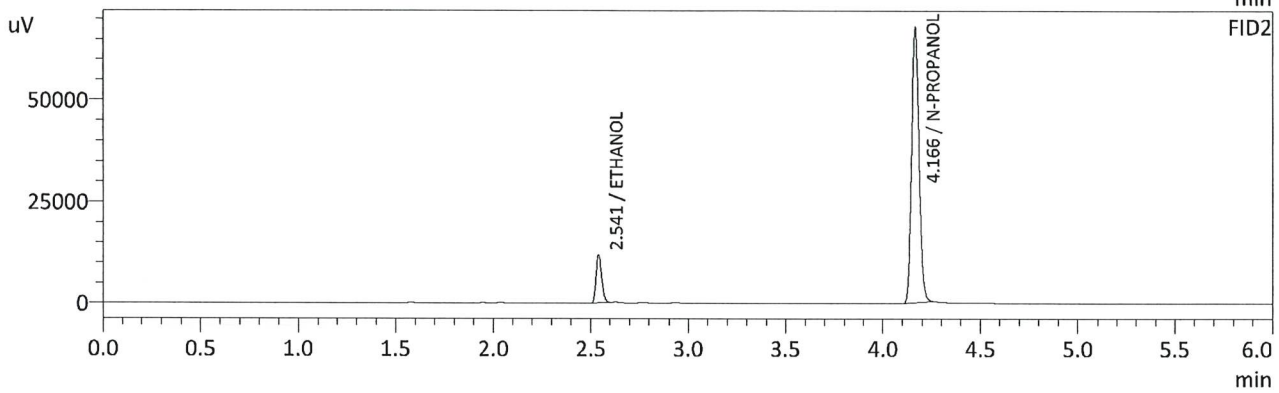
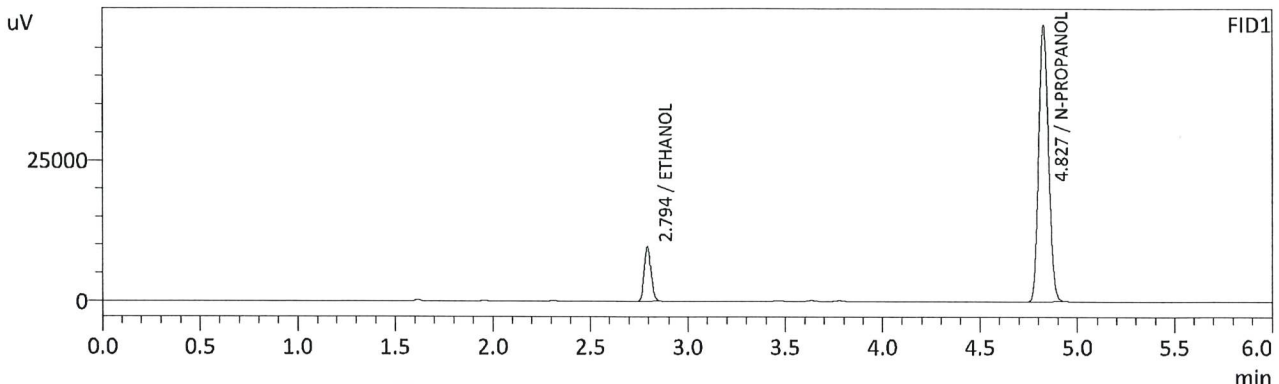
Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC1-1-A
 Vial # : 4
 Data Filename : QC1-1-A_272023_004.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:20:24 AM
 Date Processed : 2/7/2023 11:26:25 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

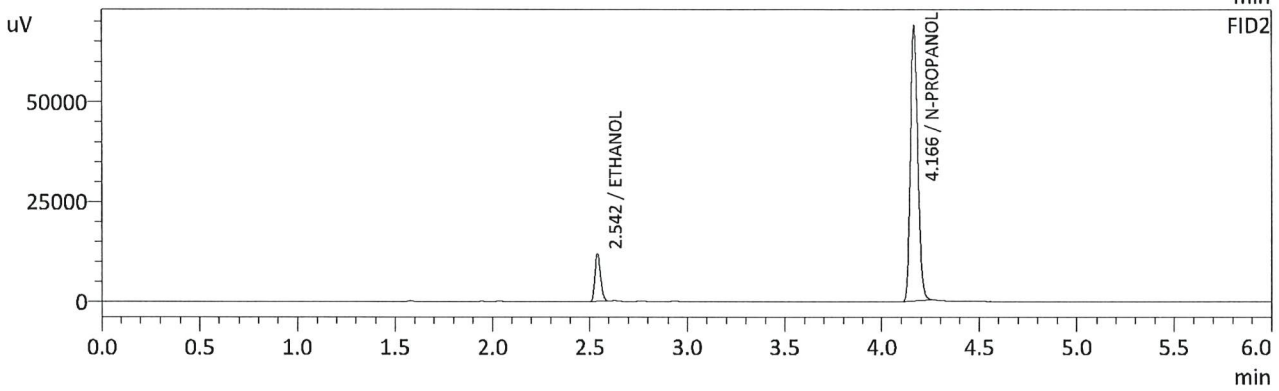
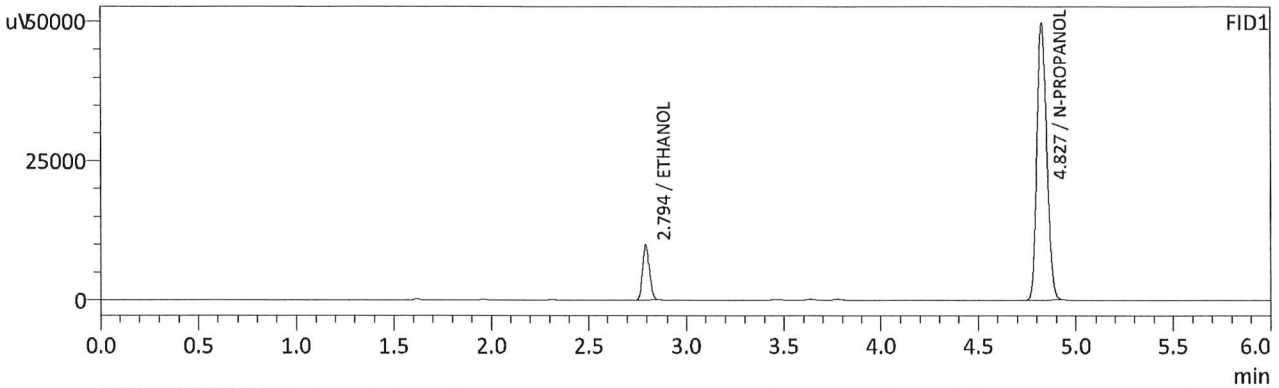
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0721	g/100cc	22735	9765
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172016	49072
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0725	g/100cc	23430	11765
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179463	67876
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

Sample Name : QC1-1-B
 Vial # : 5
 Data Filename : QC1-1-B_272023_005.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:29:57 AM
 Date Processed : 2/7/2023 11:35:58 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0719	g/100cc	22944	9843
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174135	49677
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0725	g/100cc	23715	11879
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181576	68702
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JHC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Item #

Analysis Date(s): 2/7/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0802	0.0806	0.0004	0.0804	0.0001	0.0804
(g/100cc)	0.0804	0.0806	0.0002	0.0805		

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	Notes:
	0.080	

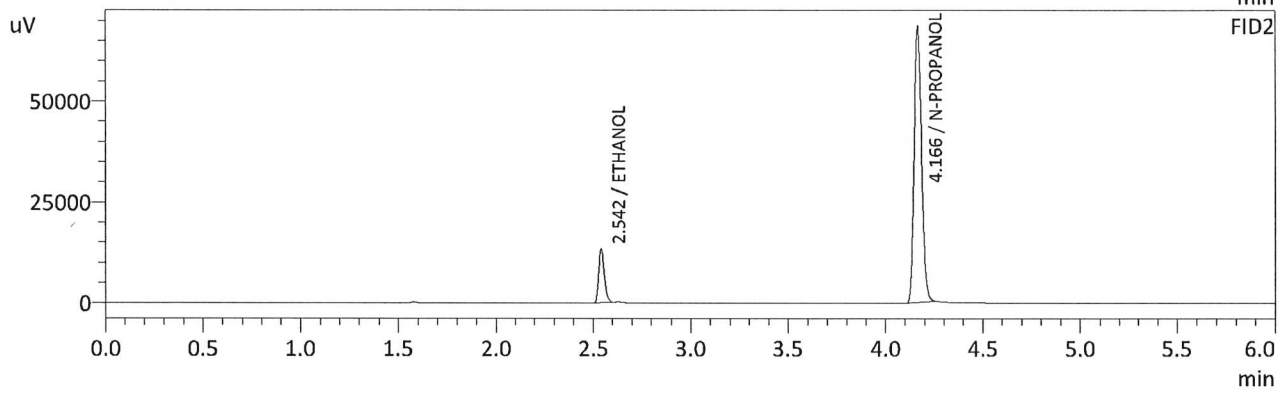
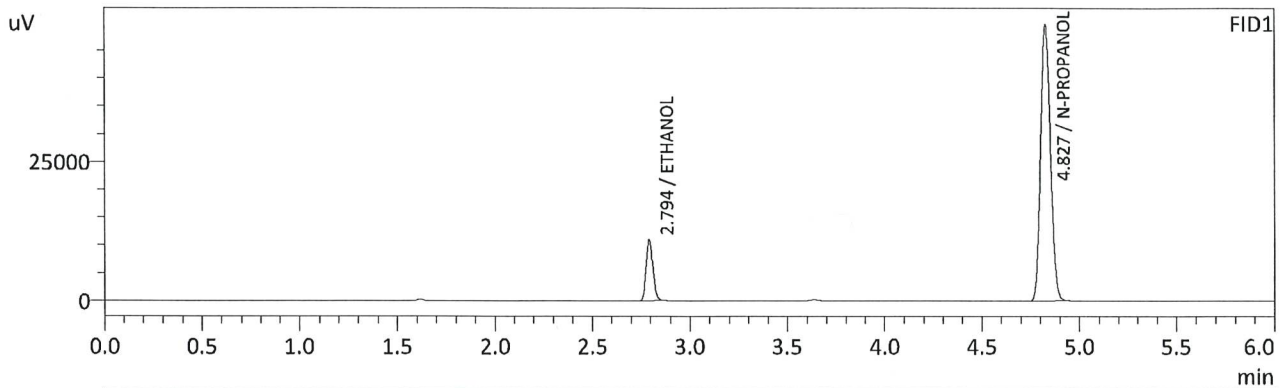
Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : 0.08 QA - A
 Vial # : 6
 Data Filename : 0.08 QA - A_272023_006.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:39:15 AM
 Date Processed : 2/7/2023 11:45:16 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

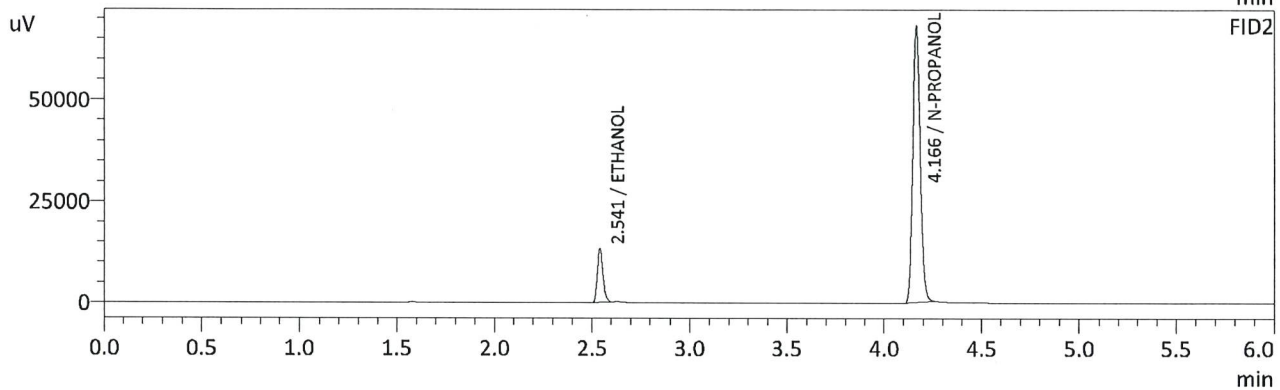
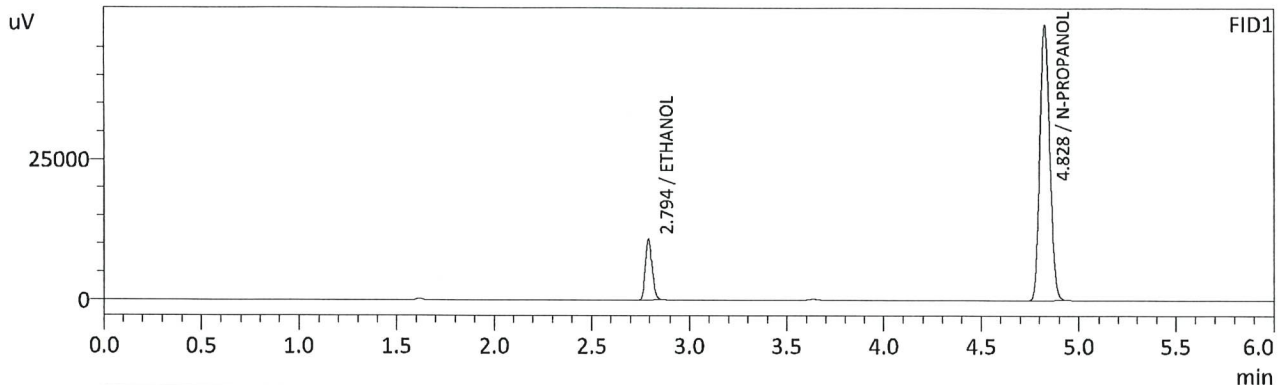
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	25546	10964
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173434	49615
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	26453	13264
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180904	68279
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : 0.08 QA - B
 Vial # : 7
 Data Filename : 0.08 QA - B_272023_007.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 11:48:59 AM
 Date Processed : 2/7/2023 11:55:00 AM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0804	g/100cc	25413	10910
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172112	49124
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	26266	13173
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179624	67931
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2

Item # 1

Analysis Date(s): 2/7/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2121	0.2127	0.0006	0.2124	0.0002	0.2123
(g/100cc)	0.2120	0.2124	0.0004	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
0.212	0.201	0.223	0.011

	Reported Result	Notes:
	0.212	

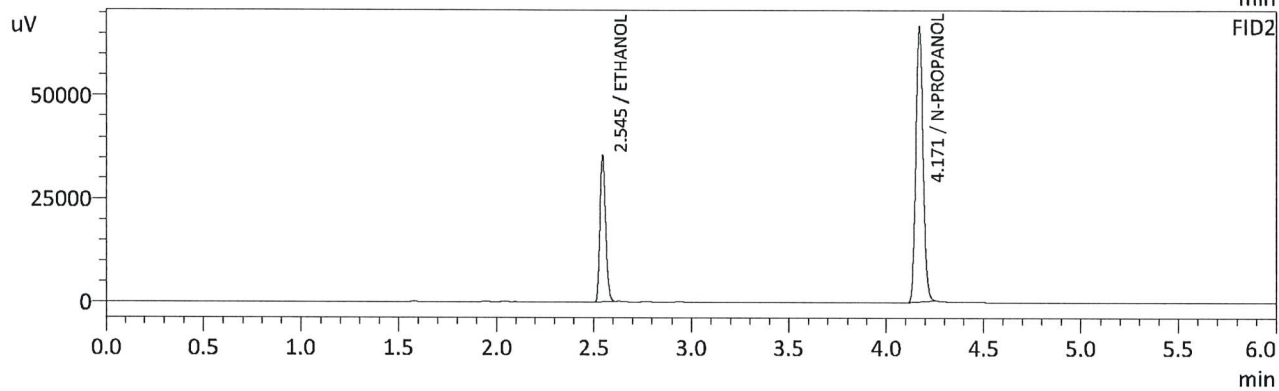
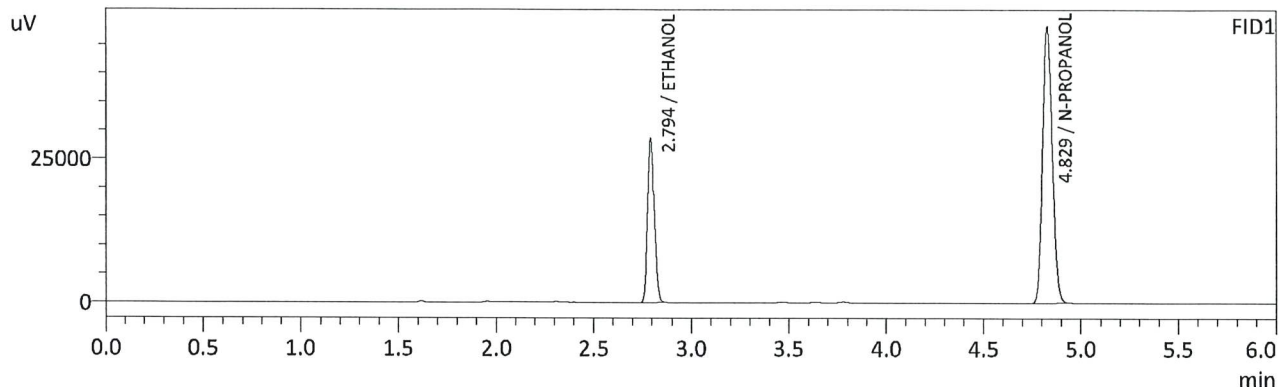
Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC2-1-A
 Vial # : 26
 Data Filename : QC2-1-A_272023_026.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 2:49:50 PM
 Date Processed : 2/7/2023 2:55:51 PM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

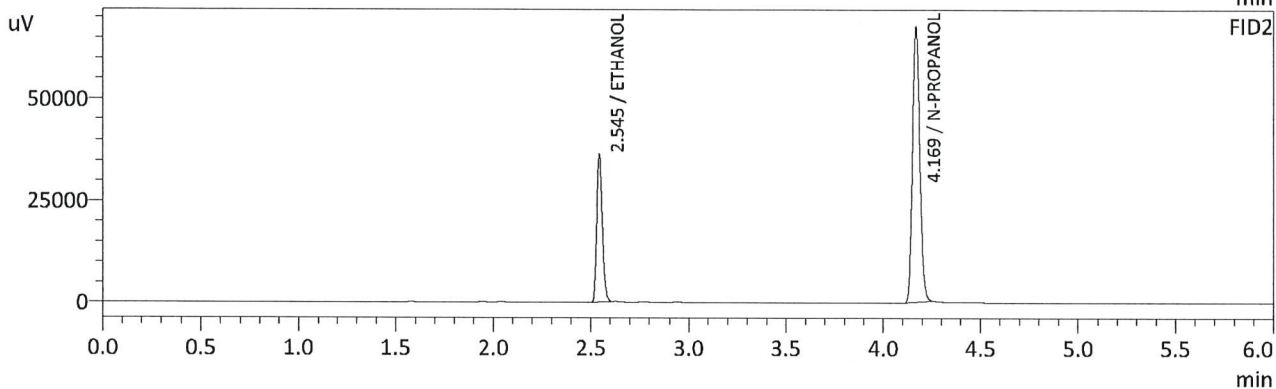
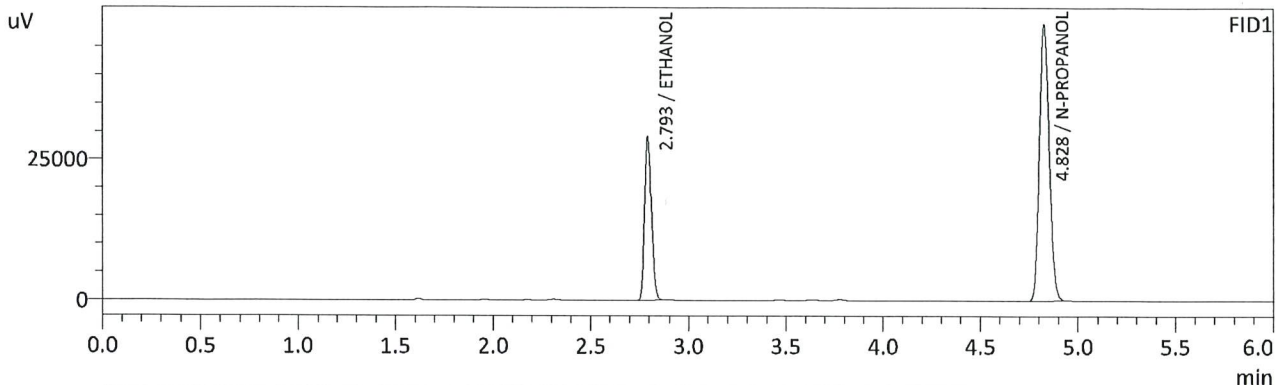
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2121	g/100cc	66552	28493
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168830	48205
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2127	g/100cc	70501	35462
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175747	66602
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

YRC

Sample Name : QC2-1-B
 Vial # : 27
 Data Filename : QC2-1-B_272023_027.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 2:59:07 PM
 Date Processed : 2/7/2023 3:05:08 PM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2120	g/100cc	67805	29053
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172066	49036
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2124	g/100cc	71741	35893
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179032	67638
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2

Item #

Analysis Date(s): 2/7/23

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0784	0.0008	0.0780	0.0003	0.0778
(g/100cc)	0.0773	0.0781	0.0008	0.0777		

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	Notes:
	0.077	

Calibration and control data are stored centrally.

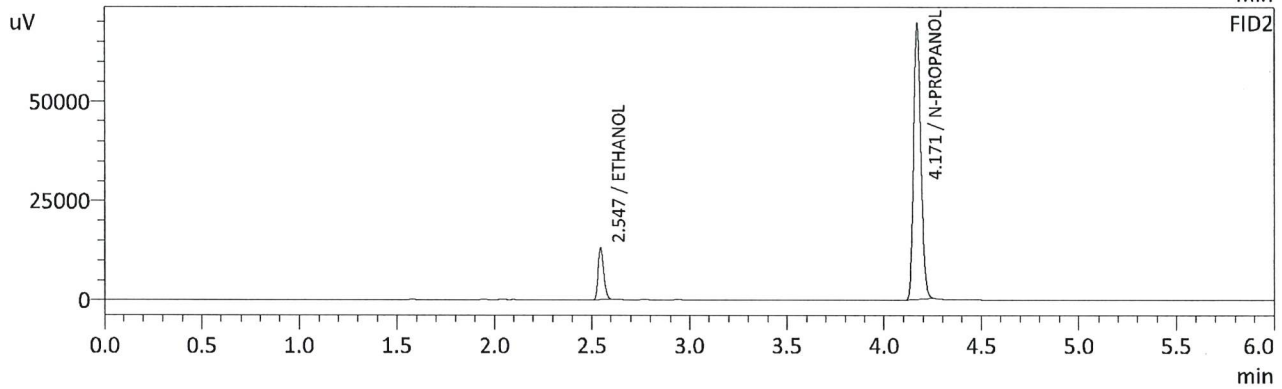
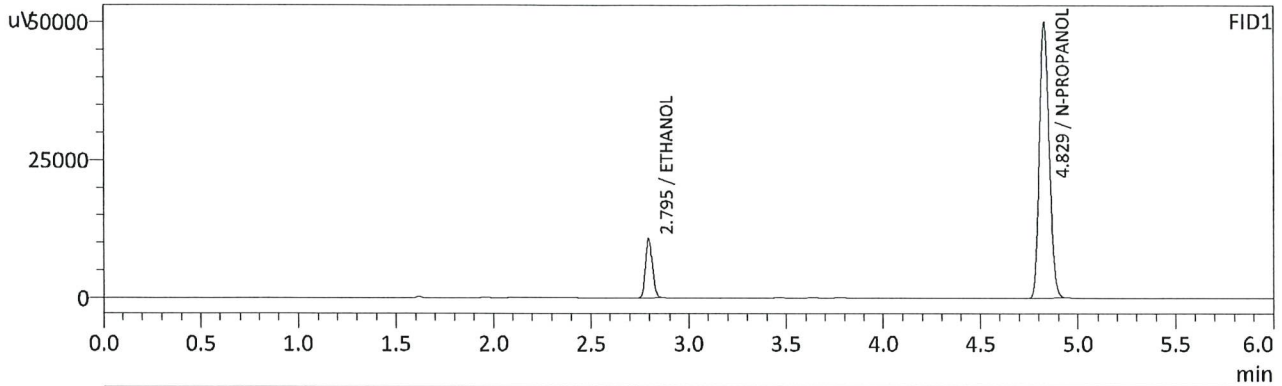


Revision: 2

Issue Date: 12/27/2022

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 Vial # : 38
 Data Filename : QC1-2-A_272023_038.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 4:44:04 PM
 Date Processed : 2/7/2023 4:50:06 PM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

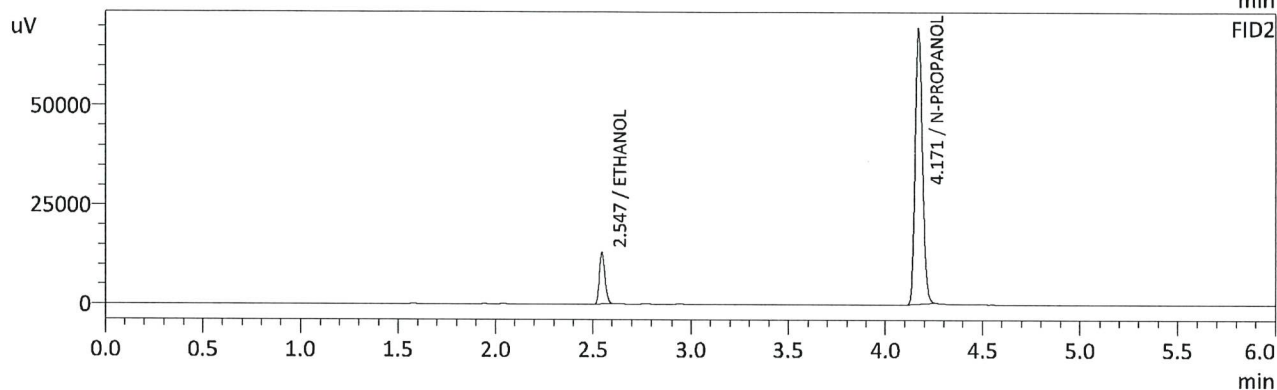
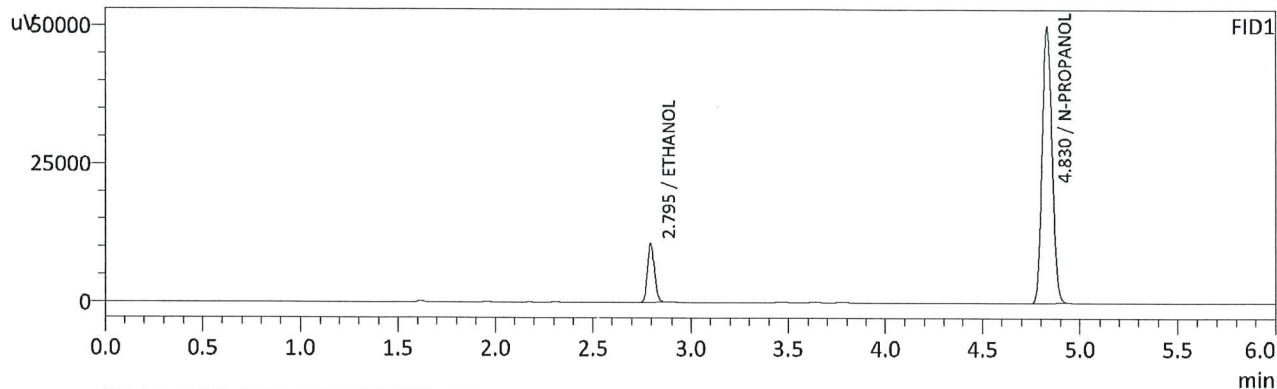
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0776	g/100cc	24956	10590
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175233	50044
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0784	g/100cc	25996	12966
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183106	69369
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

QC

Sample Name : QC1-2-B
 Vial # : 39
 Data Filename : QC1-2-B_272023_039.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 4:53:20 PM
 Date Processed : 2/7/2023 4:59:22 PM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 RC\ALCOHOL.gcm



FID1

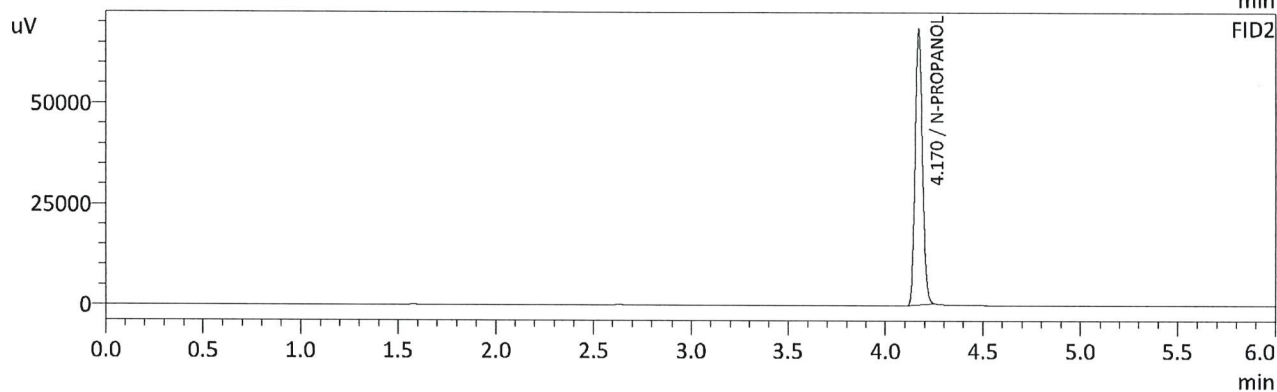
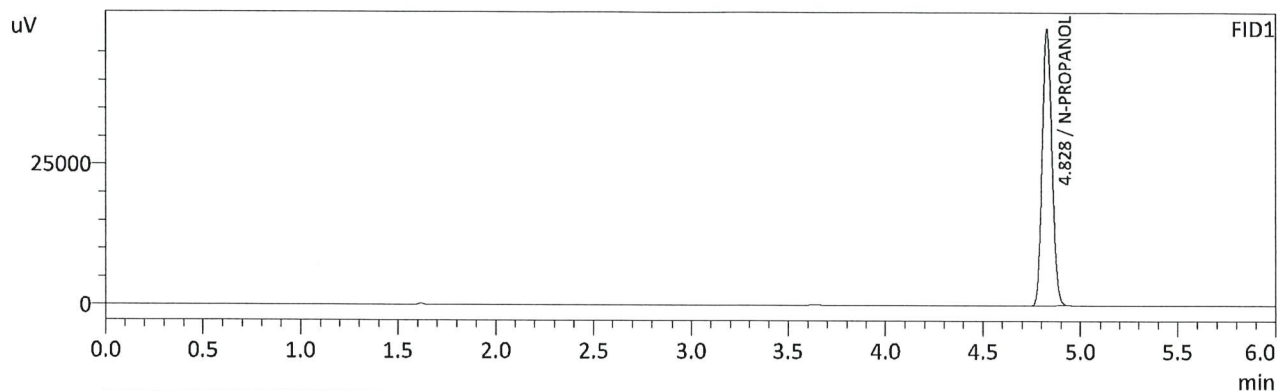
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0773	g/100cc	24819	10533
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174926	49888
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0781	g/100cc	25867	12904
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183004	69159
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 40
 Data Filename : INT STD BLK 3_272023_040.gcd
 Method Filename : ALCOHOL.gcm
 Batch Filename : 2-7-23 batch.gcb
 Date Acquired : 2/7/2023 5:03:11 PM
 Date Processed : 2/7/2023 5:09:13 PM
 C:\LabSolutions\Data\2023\2-2-23 RC\2-7-23 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	171684	49243
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	179536	68362
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

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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	QC1-1-A	0:Unknown	ALCOHOL.gcm		0
5	QC1-1-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	P2023-0299-1-A	0:Unknown	ALCOHOL.gcm		0
9	P2023-0299-1-B	0:Unknown	ALCOHOL.gcm		0
10	P2023-0302-1-A	0:Unknown	ALCOHOL.gcm		0
11	P2023-0302-1-B	0:Unknown	ALCOHOL.gcm		0
12	P2023-0311-1-A	0:Unknown	ALCOHOL.gcm		0
13	P2023-0311-1-B	0:Unknown	ALCOHOL.gcm		0
14	P2023-0330-1-A	0:Unknown	ALCOHOL.gcm		0
15	P2023-0330-1-B	0:Unknown	ALCOHOL.gcm		0
16	P2023-0331-1-A	0:Unknown	ALCOHOL.gcm		0
17	P2023-0331-1-B	0:Unknown	ALCOHOL.gcm		0
18	P2023-0332-2-A	0:Unknown	ALCOHOL.gcm		0
19	P2023-0332-2-B	0:Unknown	ALCOHOL.gcm		0
20	P2023-0337-1-A	0:Unknown	ALCOHOL.gcm		0
21	P2023-0337-1-B	0:Unknown	ALCOHOL.gcm		0
22	P2023-0355-1-A	0:Unknown	ALCOHOL.gcm		0
23	P2023-0355-1-B	0:Unknown	ALCOHOL.gcm		0
24	P2023-0356-1-A	0:Unknown	ALCOHOL.gcm		0
25	P2023-0356-1-B	0:Unknown	ALCOHOL.gcm		0
26	QC2-1-A	0:Unknown	ALCOHOL.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL.gcm		0
28	P2023-0370-1-A	0:Unknown	ALCOHOL.gcm		0
29	P2023-0370-1-B	0:Unknown	ALCOHOL.gcm		0
30	P2023-0371-1-A	0:Unknown	ALCOHOL.gcm		0
31	P2023-0371-1-B	0:Unknown	ALCOHOL.gcm		0
32	P2023-0379-1-A	0:Unknown	ALCOHOL.gcm		0
33	P2023-0379-1-B	0:Unknown	ALCOHOL.gcm		0
34	P2023-0382-1-A	0:Unknown	ALCOHOL.gcm		0
35	P2023-0382-1-B	0:Unknown	ALCOHOL.gcm		0
36	P2023-0400-1-A	0:Unknown	ALCOHOL.gcm		0
37	P2023-0400-1-B	0:Unknown	ALCOHOL.gcm		0
38	QC1-2-A	0:Unknown	ALCOHOL.gcm		0
39	QC1-2-B	0:Unknown	ALCOHOL.gcm		0
40	INT STD BLK 3	0:Unknown	ALCOHOL.gcm		0