11/26/2021

Worklist: 5405

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2021-3046	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3742	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3750	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3785	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3786	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3793	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3794	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3795	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3796	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3797	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3801	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3802	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3803	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3810	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3811	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3812	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3813	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3847	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3848	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3849	1	BCK	Alcohol Analysis	|||||||||||||||
P2021-3850	1	BCK	Alcohol Analysis	|||||||||||||||

Worklist: 5405

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2021-3855	2	BCK	Alcohol Analysis
P2021-3858	1	BCK	Alcohol Analysis
P2021-3861	1	BCK	Alcohol Analysis

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls
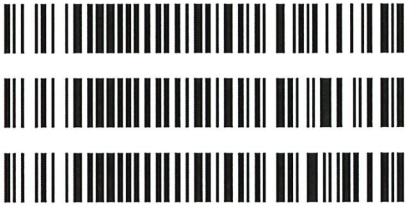
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor   Serial Number: ML600GB9897

Volatiles Quality Assurance Controls   **Run Date(s): 11/24/2021**

Control level	Expiration	Lot #	Target Value	Acceptable Range		Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840		0.0746	g/100cc
						0.0792	g/100cc
							g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387		0.2122	g/100cc
						0.2138	g/100cc
							g/100cc

Multi-Component mixture:		Lot #	FN06041902		ok
Curve Fit:		Column 1	0.99996	Column2	0.99982

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0525	0.0014	0.0518
100	0.100	0.090 - 0.110	0.1000	0.1001	0.0001	0.1
200	0.200	0.180 - 0.220	0.1992	0.1975	0.0017	0.1983
300	0.300	0.270 - 0.330	0.2985	0.2976	0.0009	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5020	0.001	0.5015

Aqueous Controls

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

TS

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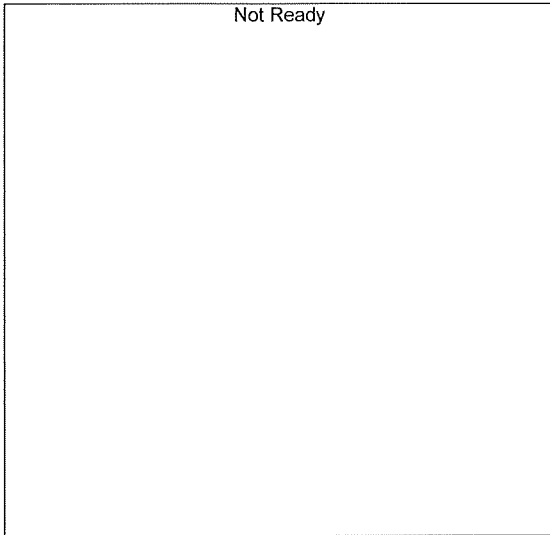
Laboratory: Pocatello
Instrument Name   : GC2030-HS20

<<Data File>>
Method File   :C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm
Batch File   :C:\LabSolutions\Data\2021\11-24-21_TS\11-24-21_ts_post.gcb
Date Acquired   :11/24/2021 12:25:11 PM
Date Created   :11/24/2021 12:22:25 PM
Date Modified   :11/26/2021 9:06:37 AM

Not Ready

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

Not Ready

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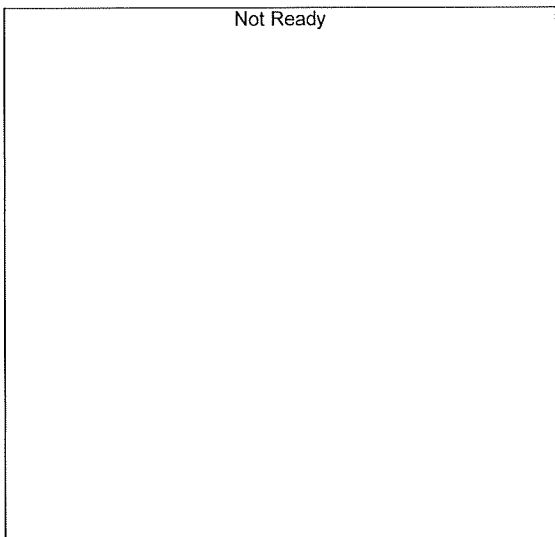FitType: Linear
ZeroThrough: Not Through

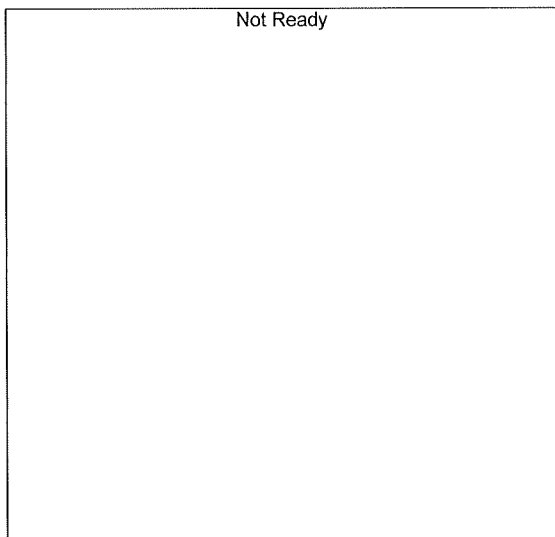| #	Conc.	Area	Std. Conc.	Data File Name

Area Ratio [*10^0]
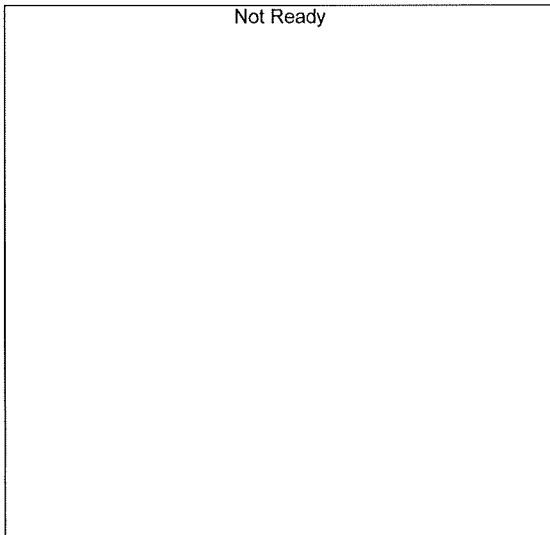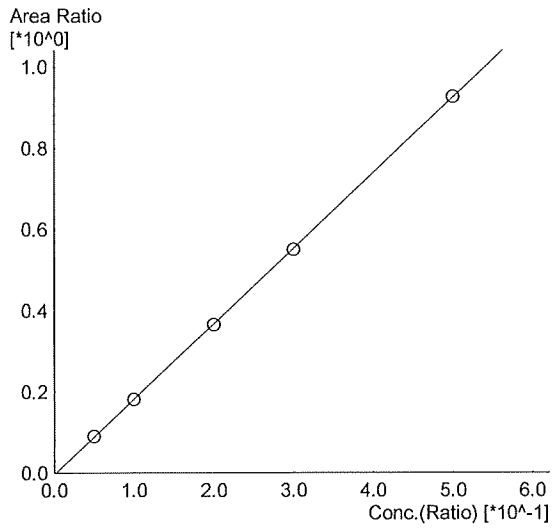
Name : ETHANOL
Detector Name: FID1
Function : $f(x)=1.85757*x-0.00453753$
R^2 value= 0.9999609
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14908	0.0511	0.050_11242021_001.gcd
2	0.100	30917	0.1000	0.100_11242021_002.gcd
3	0.200	61240	0.1992	0.200_11242021_003.gcd
4	0.300	92198	0.2985	0.300_11242021_004.gcd
5	0.500	161018	0.5010	0.500_11242021_005.gcd

Not Ready

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

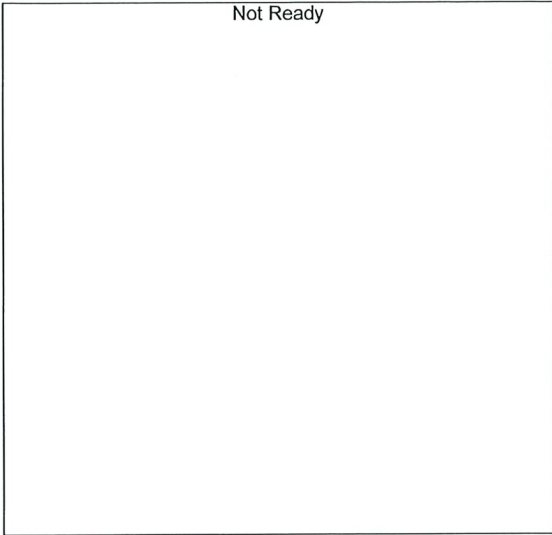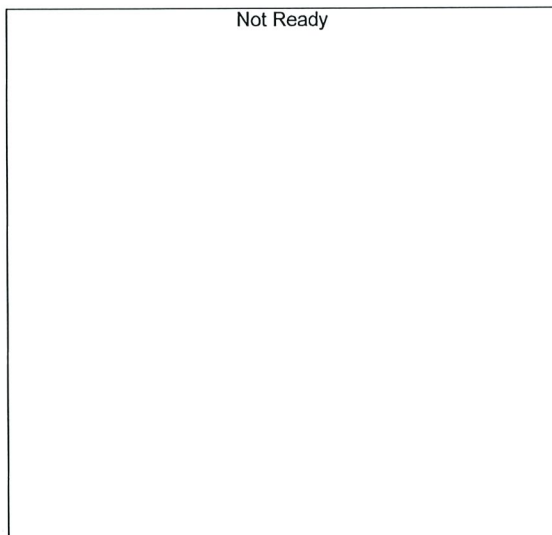| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

TS

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
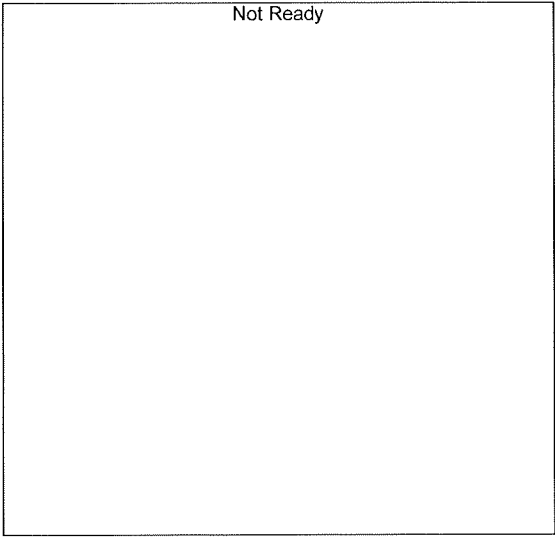FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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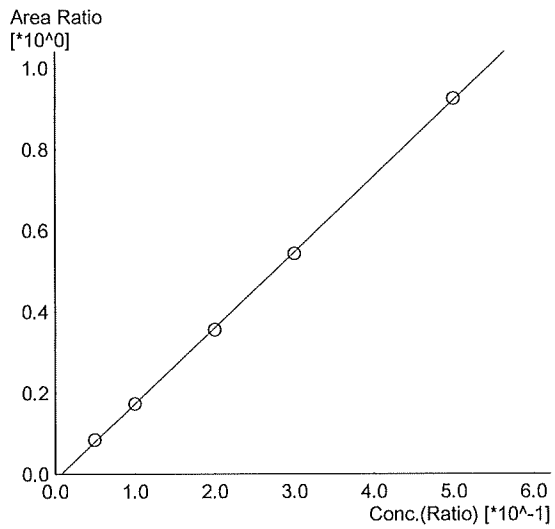R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

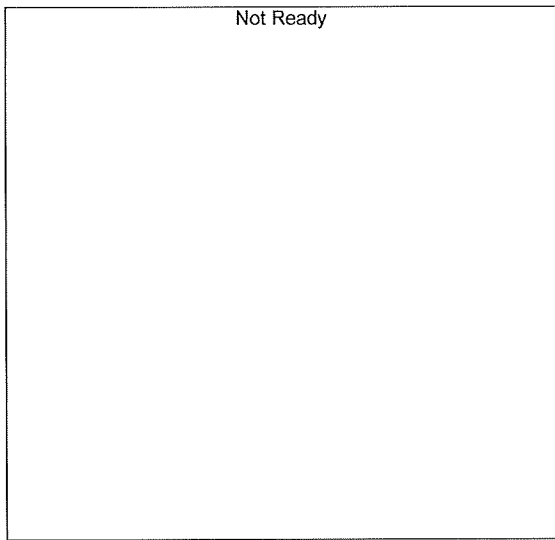| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

Name : METHANOL
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 : ETHANOL
Detector Name: FID2
Function : f(x)=1.86849*x-0.0137758
R^2 value= 0.9998269
FitType: Linear
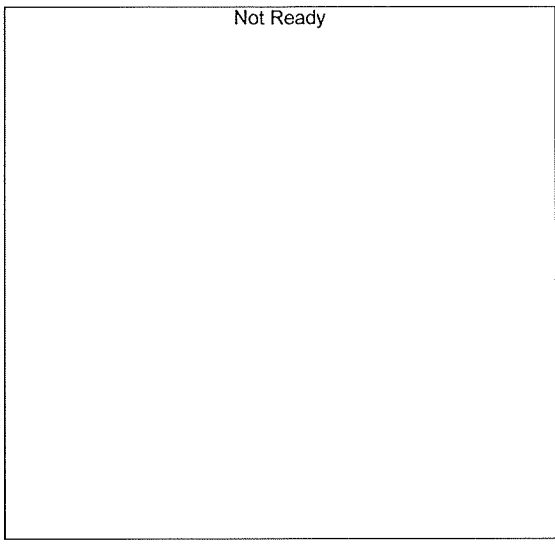ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14527	0.0525	0.050_11242021_001.gcd
2	0.100	30801	0.1001	0.100_11242021_002.gcd
3	0.200	62001	0.1975	0.200_11242021_003.gcd
4	0.300	94564	0.2976	0.300_11242021_004.gcd
5	0.500	166438	0.5020	0.500_11242021_005.gcd

Not Ready

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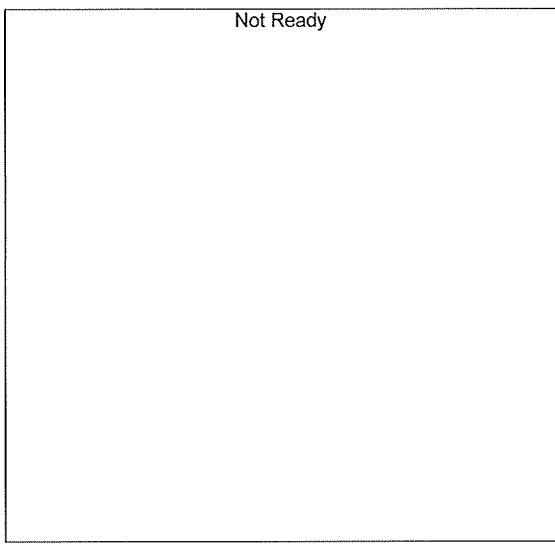ZeroThrough: Not Through

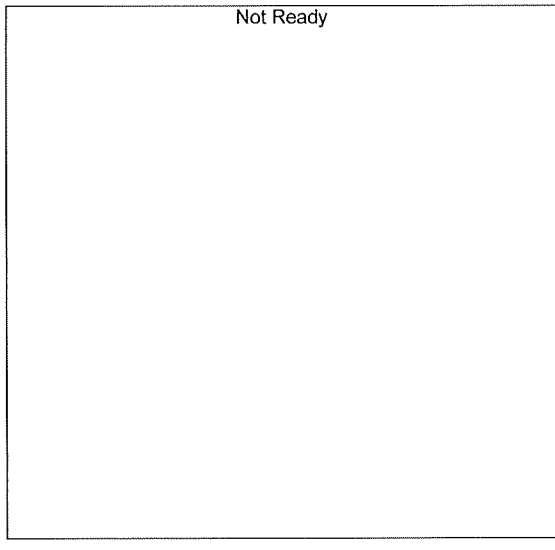| #	Conc.	Area	Std. Conc.	Data File Name

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

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

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

TS

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_11242021_001.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 11:49:48 AM
Date Processed   : 11/26/2021 9:04:27 AM
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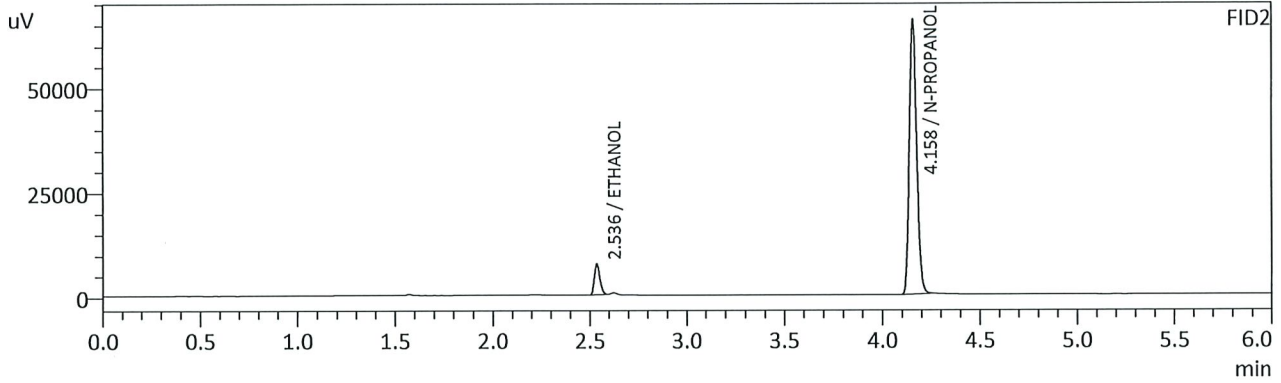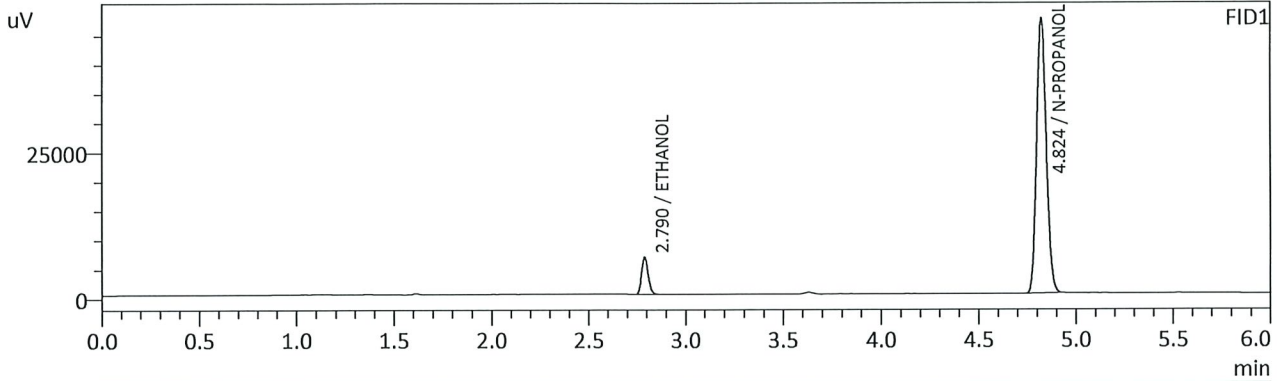
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	14908	6312
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164920	47005
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0525	g/100cc	14527	7282
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172187	65240
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_11242021_002.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 11:58:33 AM
Date Processed   : 11/26/2021 9:11:19 AM
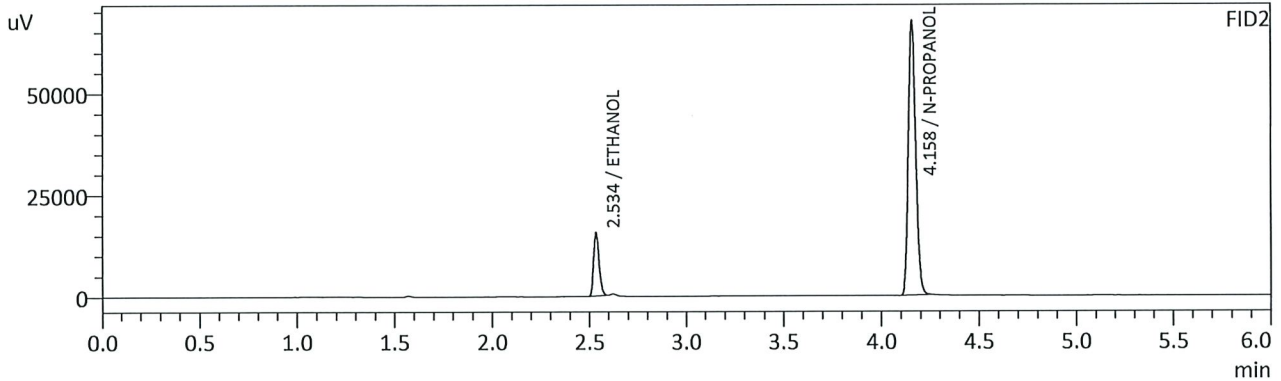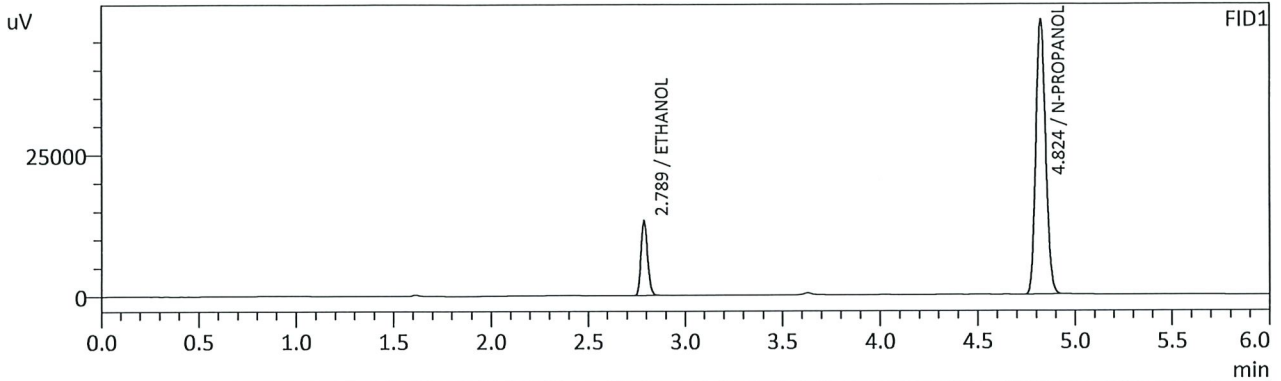C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1000	g/100cc	30917	13171
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170497	48494
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	30801	15320
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177672	67020
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_11242021_003.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 12:07:38 PM
Date Processed   : 11/26/2021 9:11:21 AM
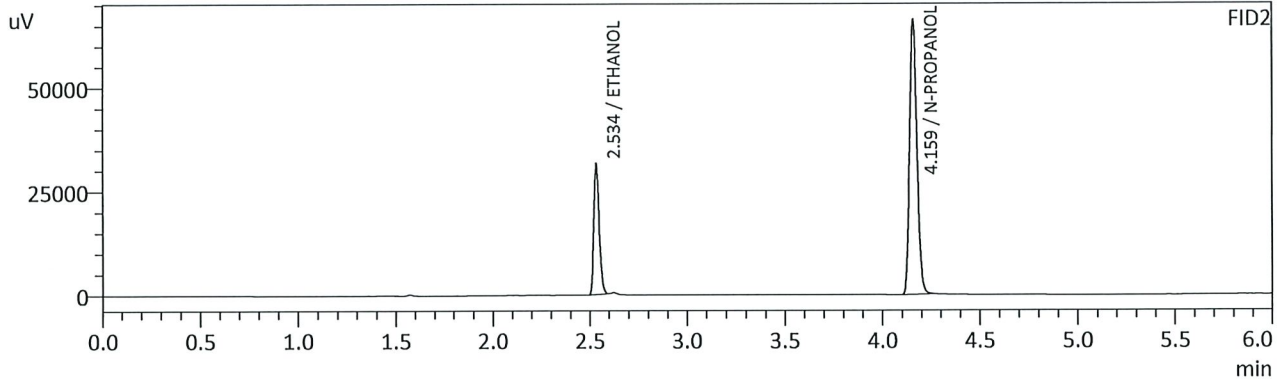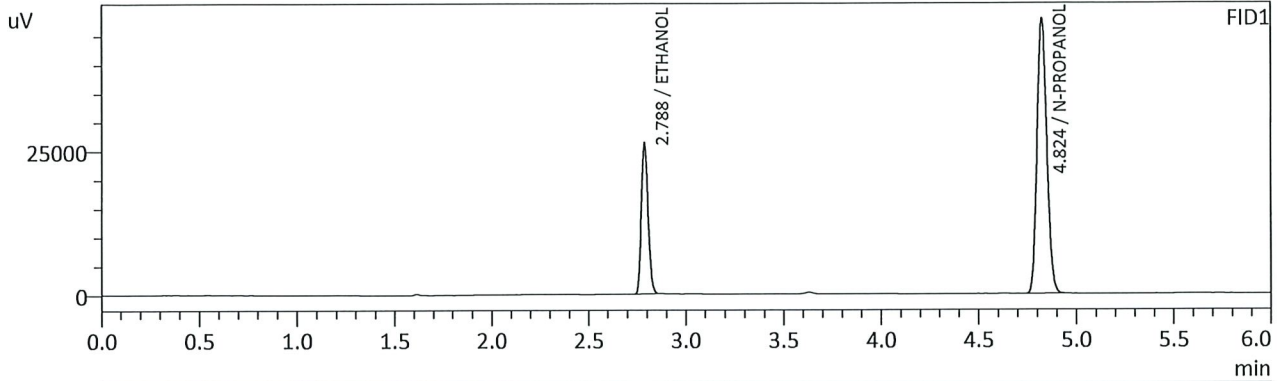C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1992	g/100cc	61240	26239
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167544	47706
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1975	g/100cc	62001	31311
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174470	65780
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_11242021_004.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 12:16:18 PM
Date Processed   : 11/26/2021 9:11:24 AM
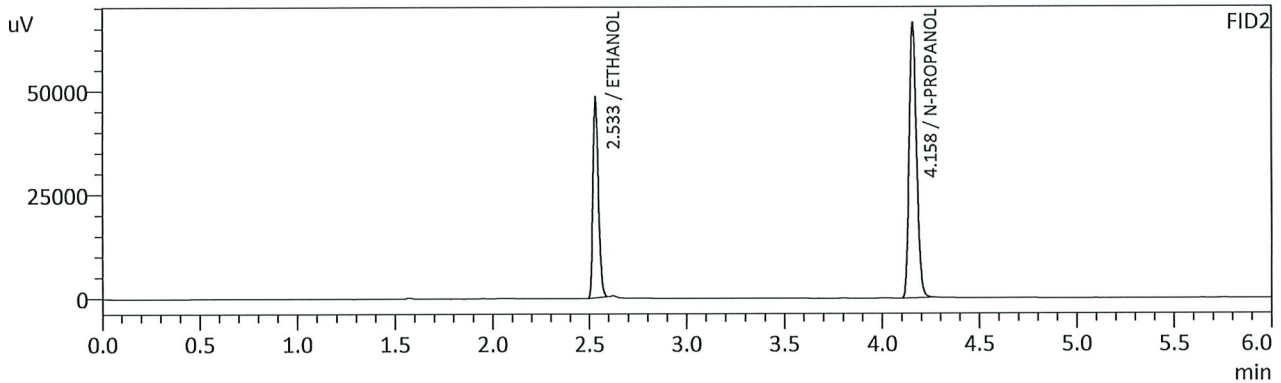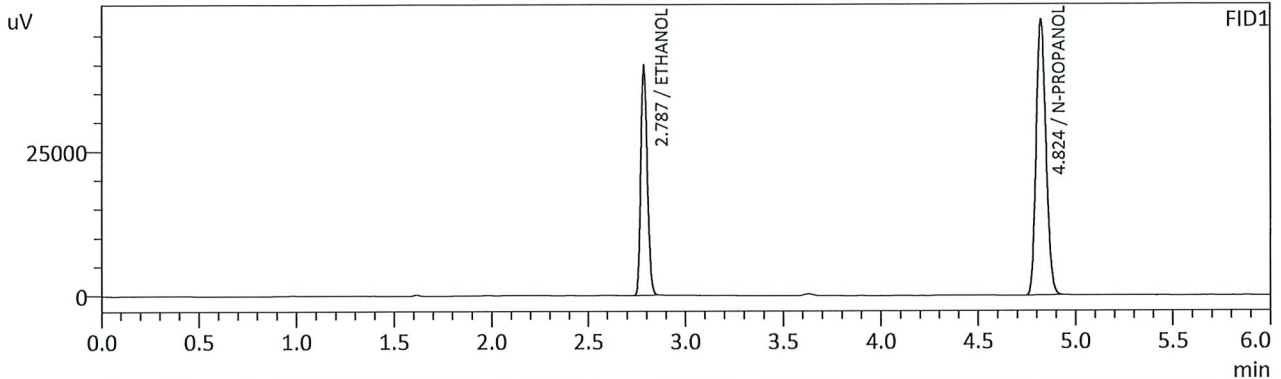C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2985	g/100cc	92198	39628
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167611	47712
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2976	g/100cc	94564	48221
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174340	65737
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_11242021_005.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 12:25:11 PM
Date Processed   : 11/26/2021 9:06:37 AM
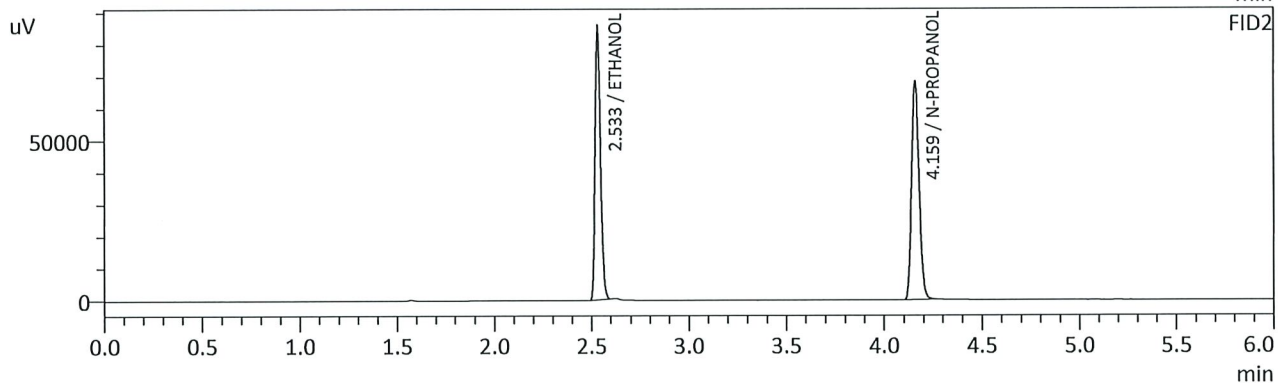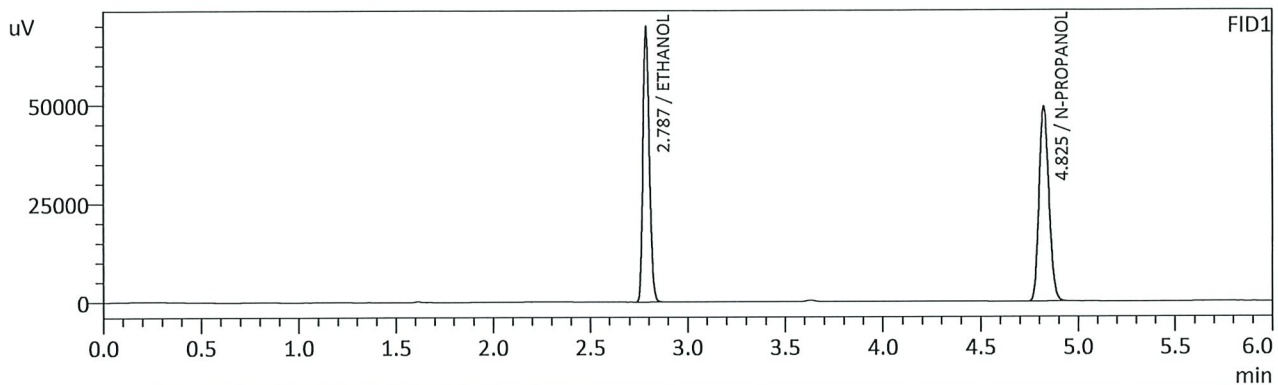C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5010	g/100cc	161018	69336
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173847	49262
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5020	g/100cc	166438	85484
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180053	67904
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 6
Data Filename   : INT STD BLK 1_11242021_006.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 12:34:12 PM
Date Processed   : 11/26/2021 9:06:49 AM
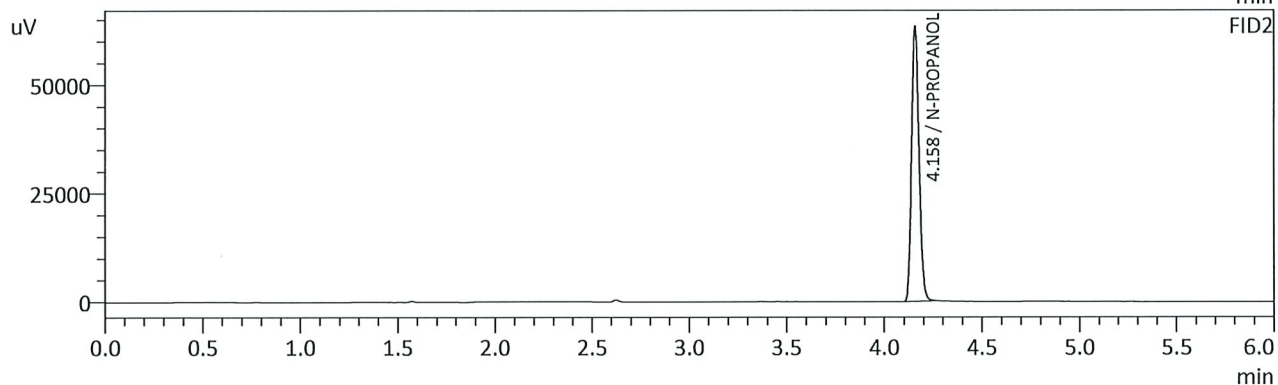C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm
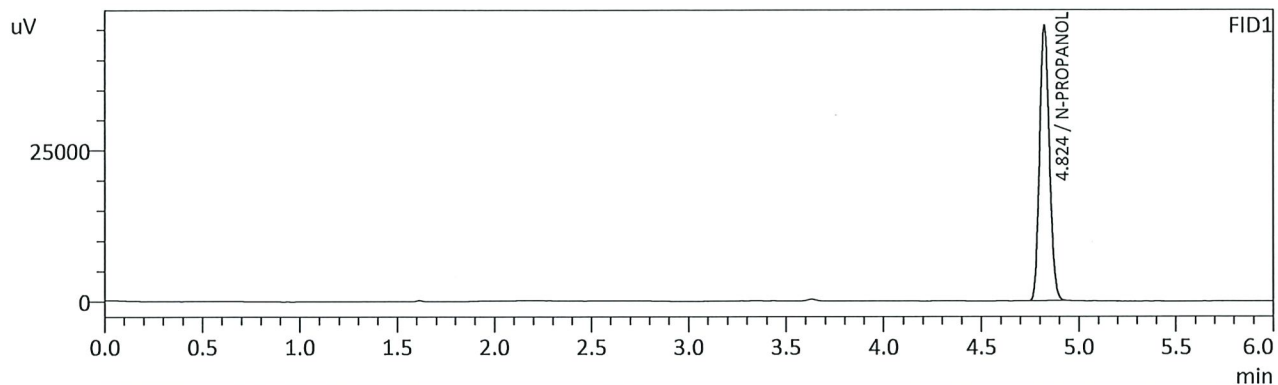
FID1

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	159984	45564
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	167151	62840
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : MULTI-COMP MIX
Vial # : 7
Data Filename : MULTI-COMP MIX_11242021_007.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 11-24-21_ts_post.gcb
Date Acquired : 11/24/2021 12:42:53 PM
Date Processed : 11/26/2021 9:06:51 AM
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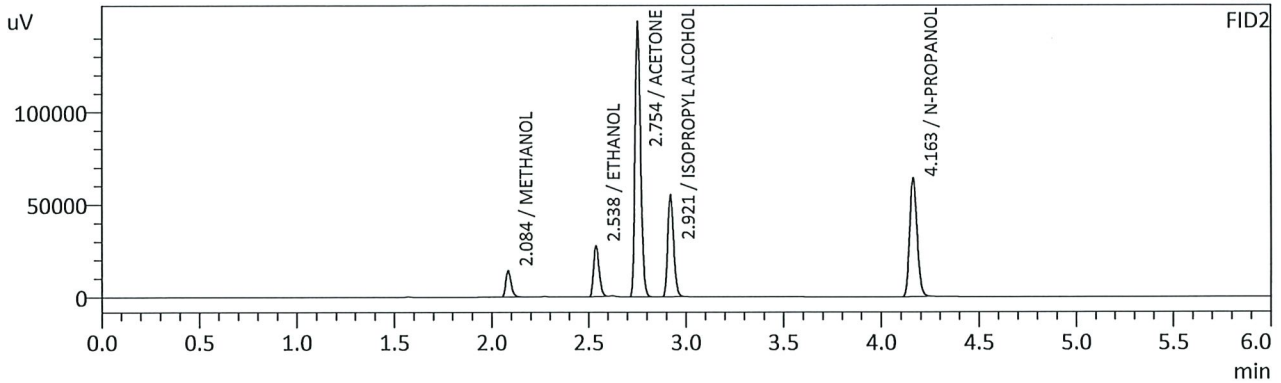

FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	26671	12867
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1805	g/100cc	53902	22926
ISOPROPYL ALCOHOL	0.0000	g/100cc	111420	39752
ACETONE	0.0000	g/100cc	278298	97696
N-PROPANOL	0.0000	g/100cc	162902	46092
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	27028	14148
ETHANOL	0.1789	g/100cc	54027	27069
ACETONE	0.0000	g/100cc	295420	146960
ISOPROPYL ALCOHOL	0.0000	g/100cc	115720	54412
N-PROPANOL	0.0000	g/100cc	168494	63471
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 2
Vial #   : 8
Data Filename   : INT STD BLK 2_11242021_008.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 12:51:47 PM
Date Processed   : 11/26/2021 9:06:53 AM
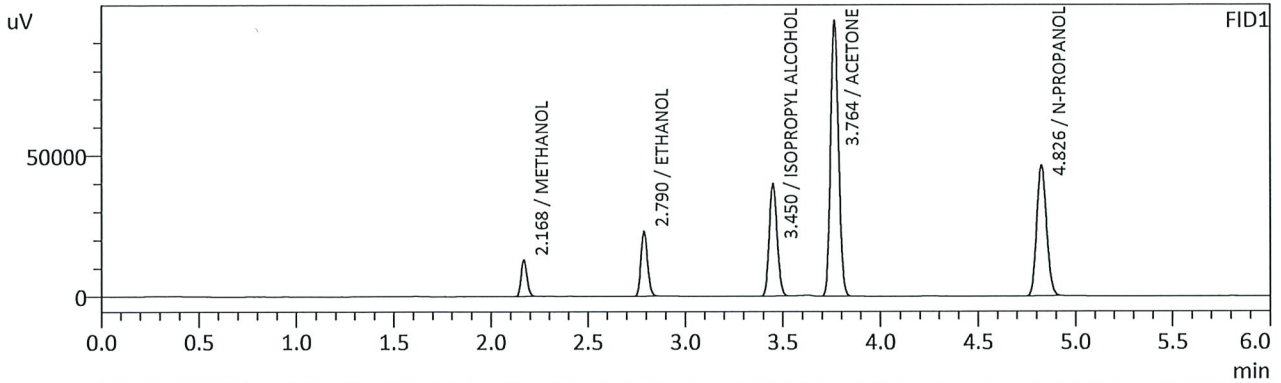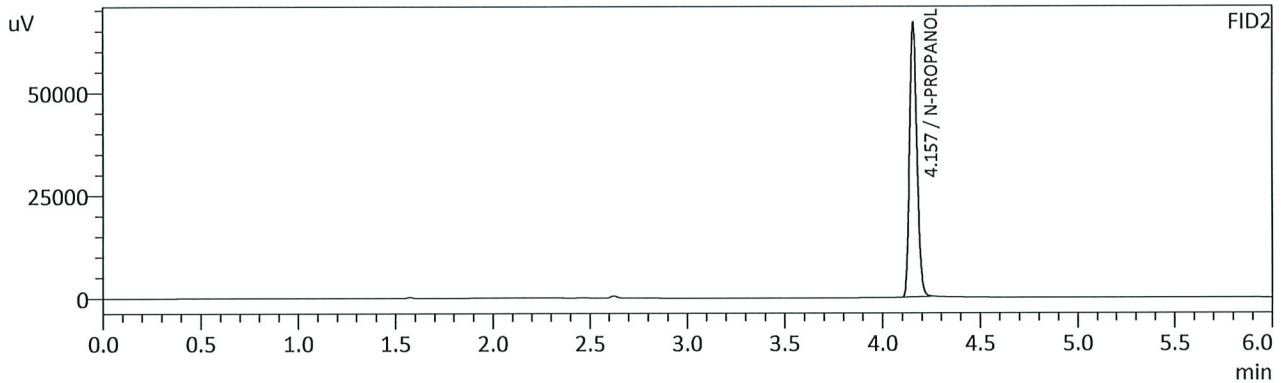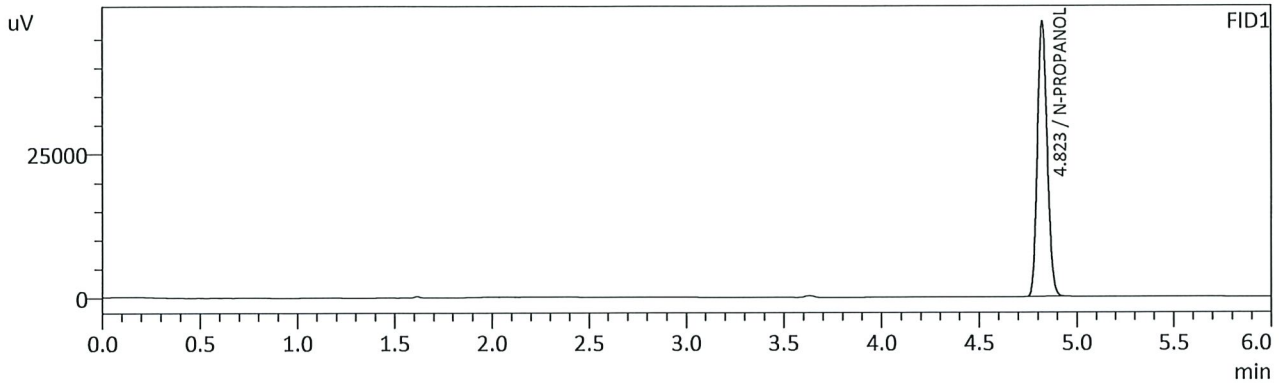C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

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	168045	47867
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	175174	66488
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA   **Analysis Date(s): 11-24-2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0813	0.0003	0.0811	0.0000	0.0811
(g/100cc)	0.0811	0.0812	0.0001	0.0811		

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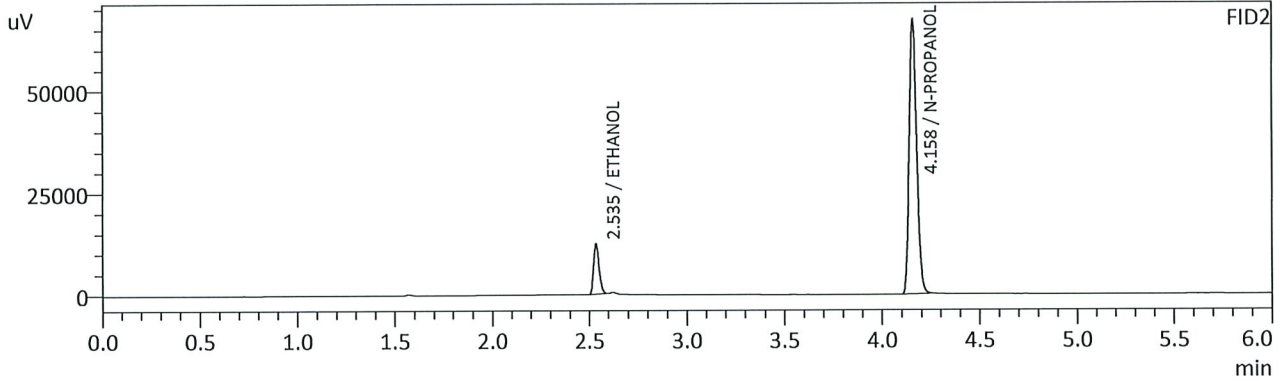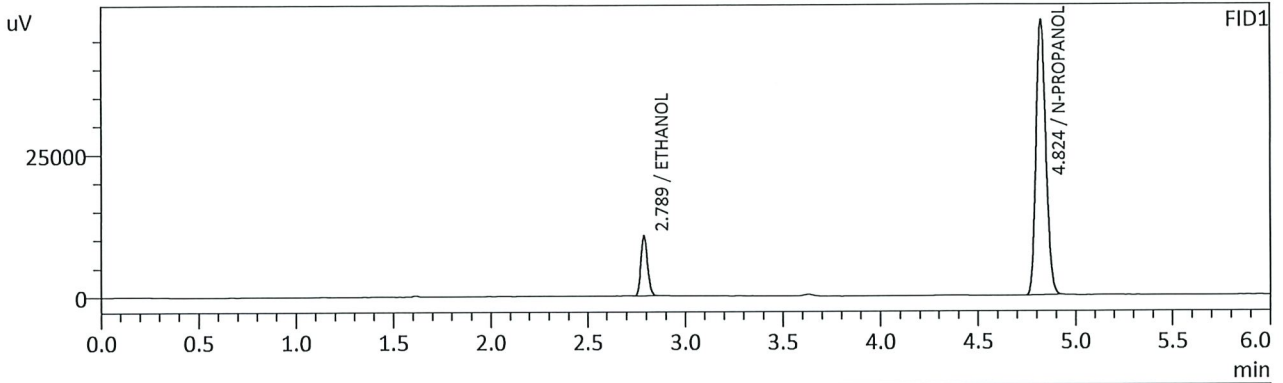
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA - A
Vial #   : 11
Data Filename   : 0.08 QA - A_11242021_011.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 1:18:20 PM
Date Processed   : 11/26/2021 9:07:03 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	24803	10524
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169935	48342
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	24463	12193
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176970	66680
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 12
Data Filename   : 0.08 QA - B_11242021_012.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 1:27:22 PM
Date Processed   : 11/26/2021 9:07:08 AM
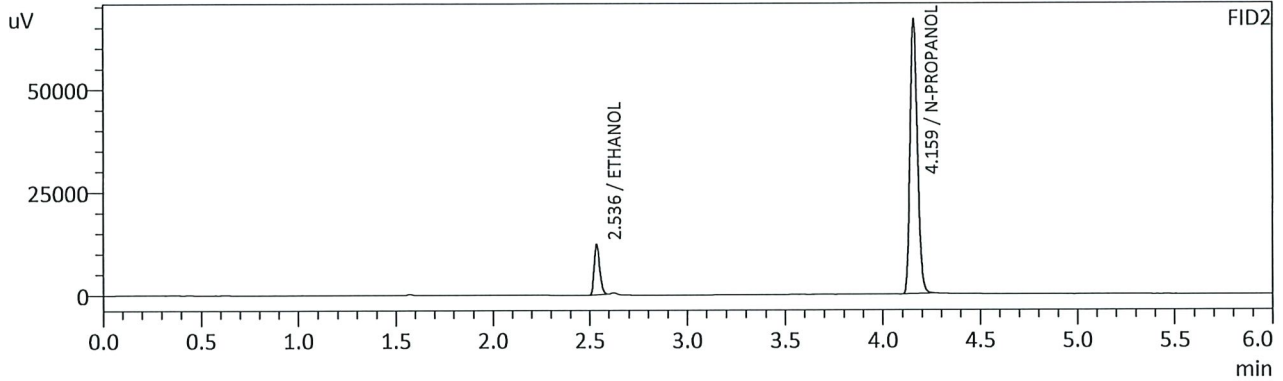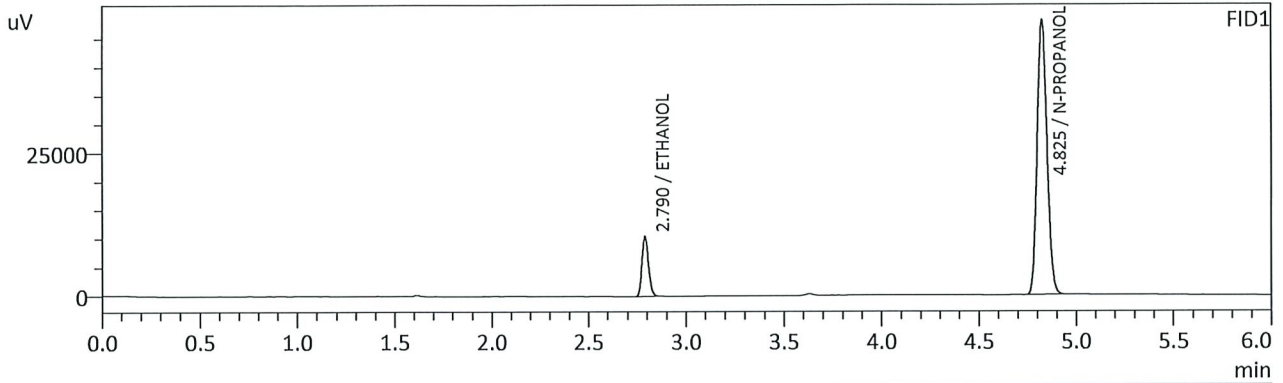C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0811	g/100cc	24674	10438
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168814	47960
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	24296	12189
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175996	66463
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1   **Analysis Date(s): 11/24/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0744	0.0748	0.0004	0.0746	0.0001	0.0746
(g/100cc)	0.0745	0.0749	0.0004	0.0747		

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%
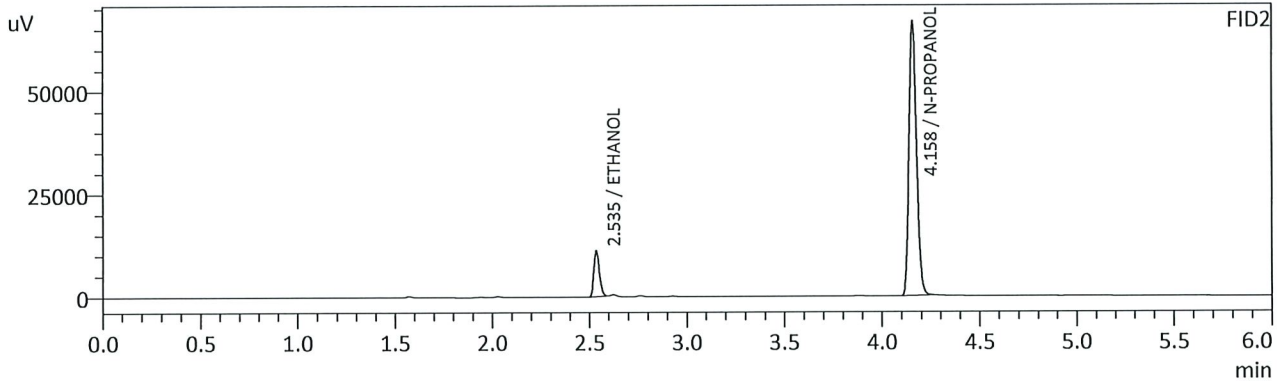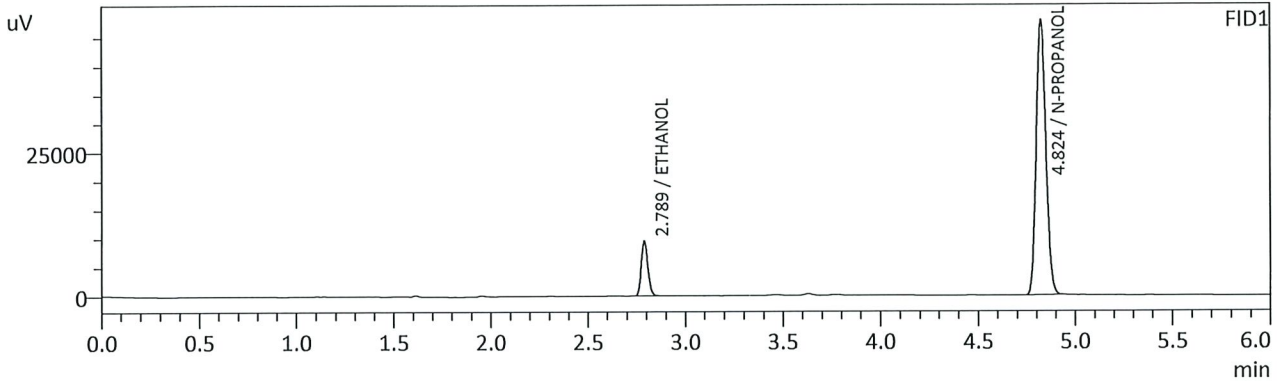
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

TS

Sample Name   : QC-1-1-A
Vial #   : 9
Data Filename   : QC-1-1-A_11242021_009.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 1:00:48 PM
Date Processed   : 11/26/2021 9:06:55 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0744	g/100cc	22526	9542
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168310	47841
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0748	g/100cc	22115	11016
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175466	66138
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : QC-1-1-B
Vial #   : 10
Data Filename   : QC-1-1-B_11242021_010.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 1:09:29 PM
Date Processed   : 11/26/2021 9:06:59 AM
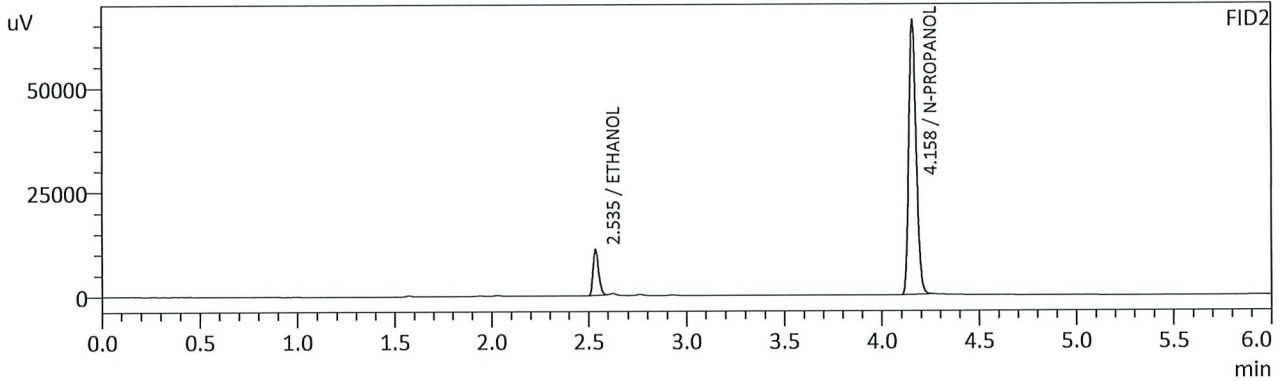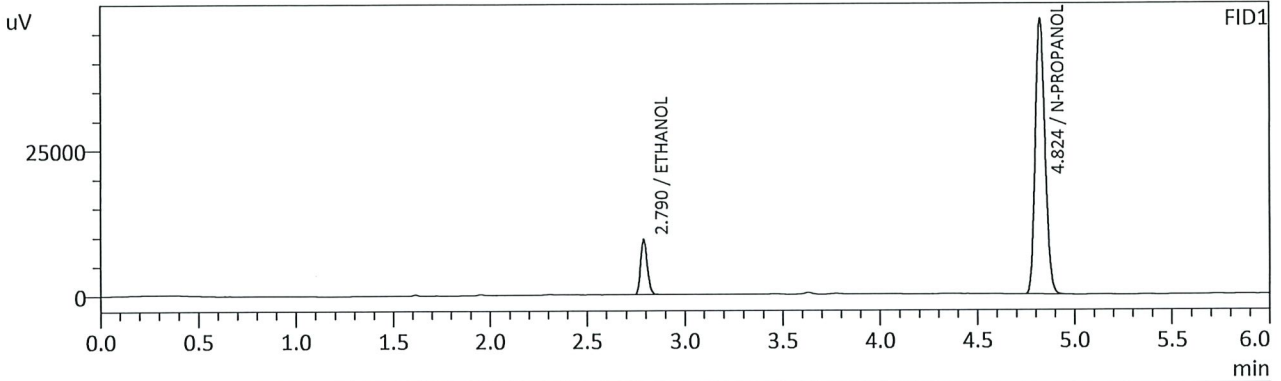C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0745	g/100cc	22208	9422
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165850	47224
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0749	g/100cc	21848	10884
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172996	65150
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1   **Analysis Date(s): 11/24/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2110	0.0021	0.2120	0.0003	0.2122
(g/100cc)	0.2130	0.2117	0.0013	0.2123		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

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

Reporting of Results   Uncertainty of Measurement (UM%): 5.00%
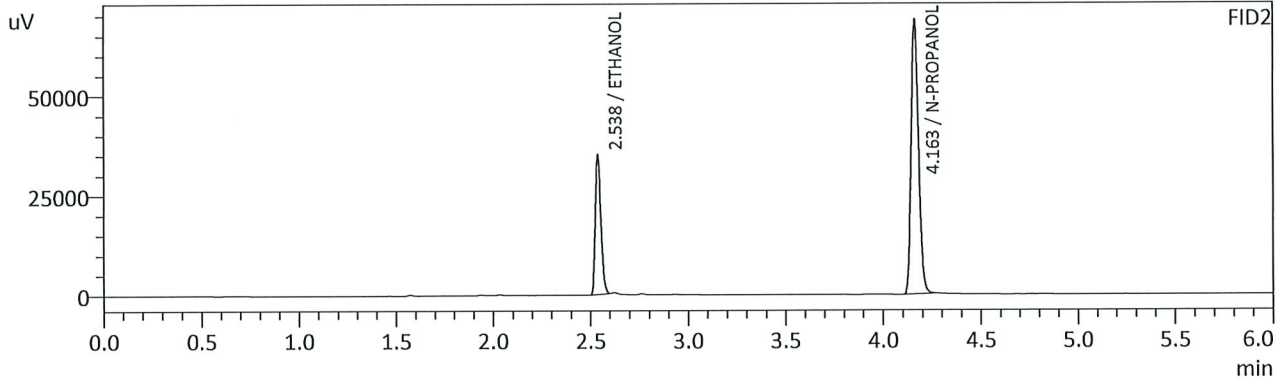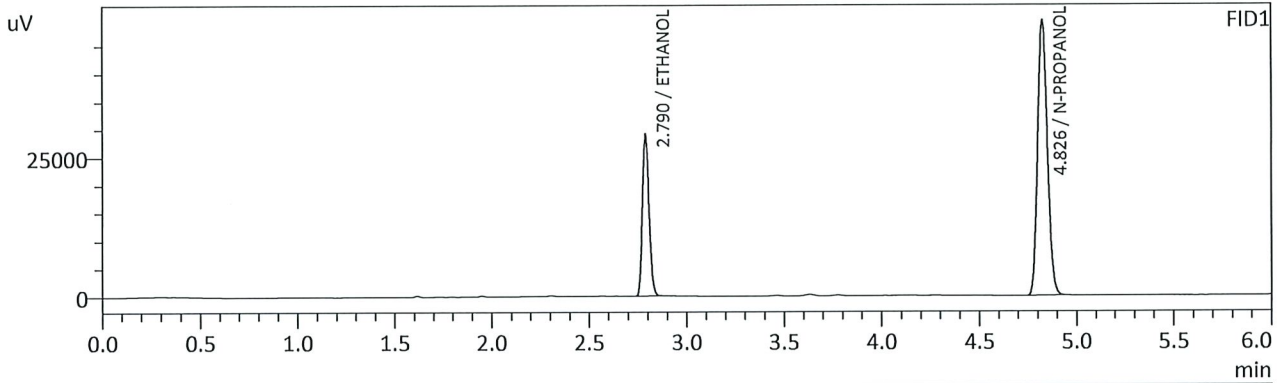
Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	

Calibration and control data are stored centrally.

Sample Name   : QC-2-1-A
Vial #   : 31
Data Filename   : QC-2-1-A_11242021_031.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 4:15:31 PM
Date Processed   : 11/26/2021 9:07:57 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	68107	28934
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174013	49181
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2110	g/100cc	68881	34614
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180959	68193
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC-2-1-B
Vial #   : 32
Data Filename   : QC-2-1-B_11242021_032.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 4:24:24 PM
Date Processed   : 11/26/2021 9:07:59 AM
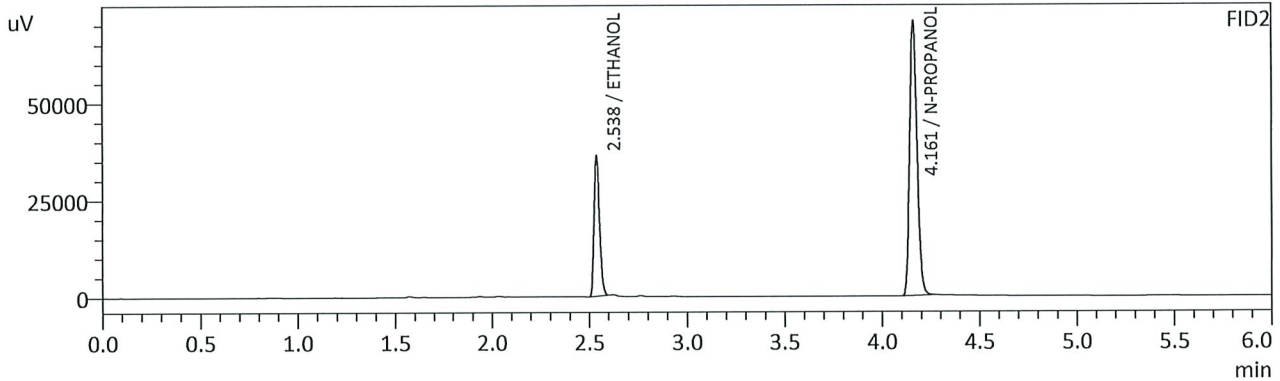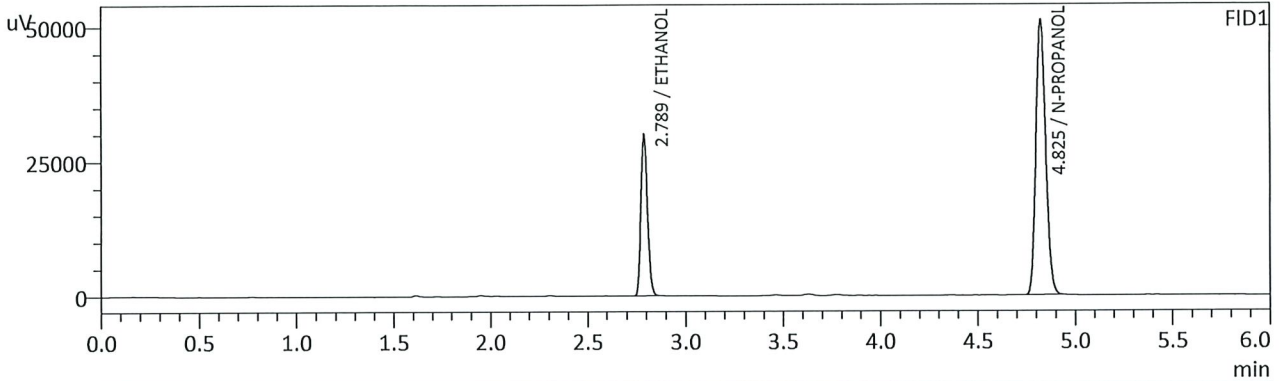C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2130	g/100cc	70151	29943
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179346	50997
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2117	g/100cc	71231	35943
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	186484	70602
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2   **Analysis Date(s): 11/24/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0786	0.0004	0.0788	0.0008	0.0792
(g/100cc)	0.0796	0.0796	0.0000	0.0796		

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

Sample Name   : QC1-2-A
Vial #   : 53
Data Filename   : QC1-2-A_11242021_053.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 7:30:29 PM
Date Processed   : 11/26/2021 9:08:50 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm
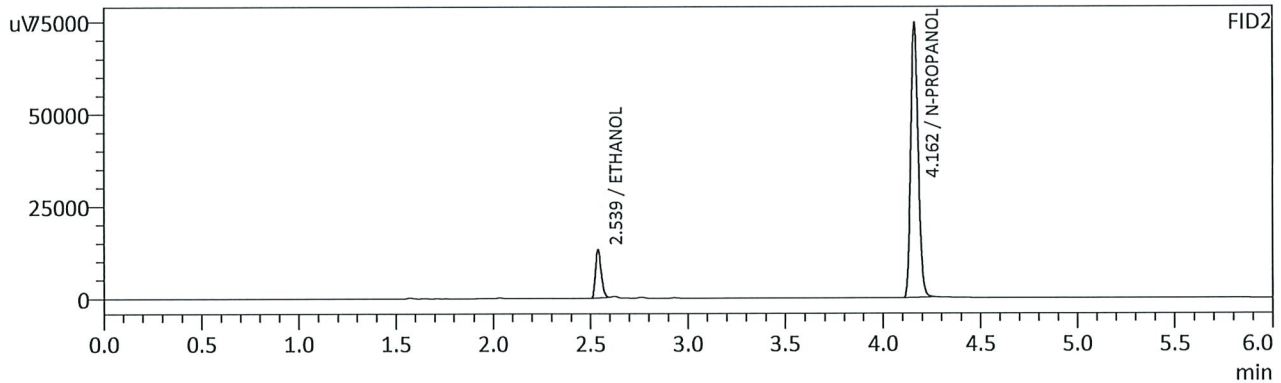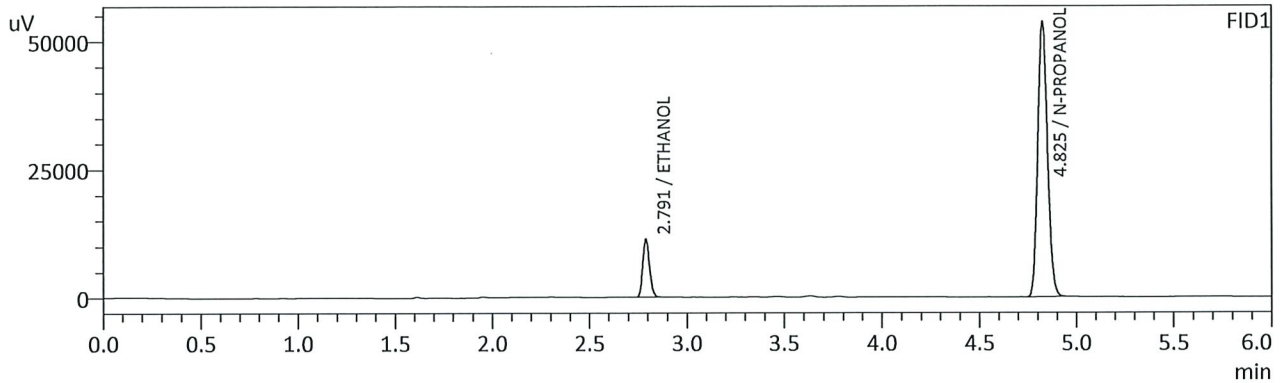
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0790	g/100cc	26726	11163
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	187879	53389
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0786	g/100cc	26065	12903
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195810	74346
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : QC1-2-B
Vial #   : 54
Data Filename   : QC1-2-B_11242021_054.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 7:39:30 PM
Date Processed   : 11/26/2021 9:08:53 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm
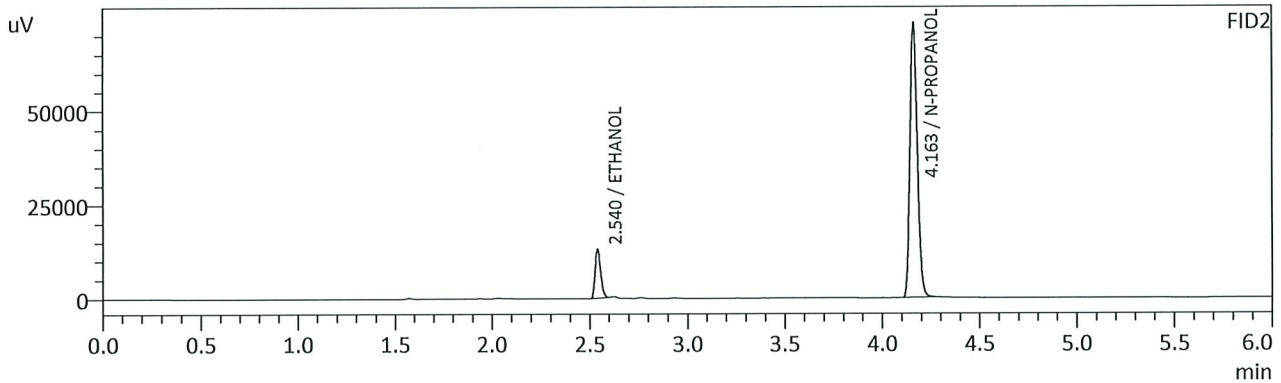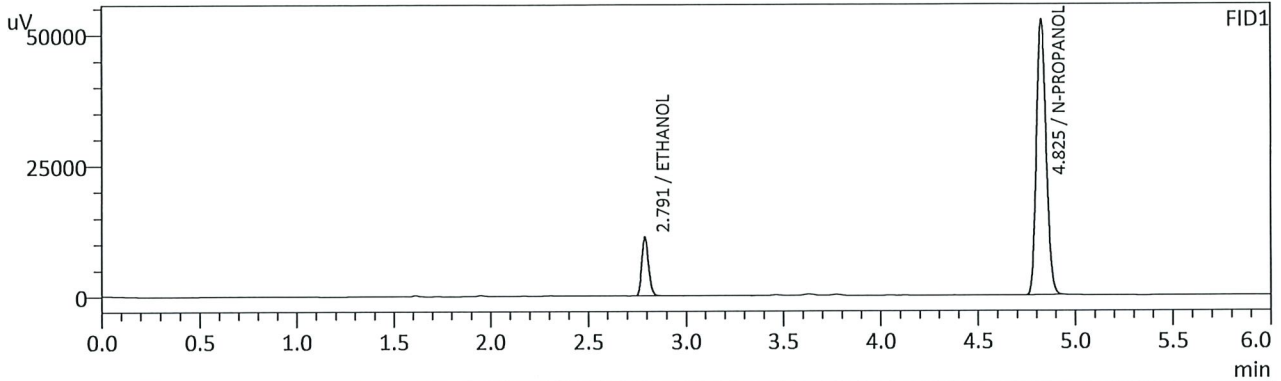

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	26438	11078
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184394	52357
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	25897	12961
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191758	72533
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-2　　　　　　　　**Analysis Date(s): 11/24/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2149	0.2134	0.0015	0.2141	0.0005	0.2138
(g/100cc)	0.2143	0.2129	0.0014	0.2136		

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%**
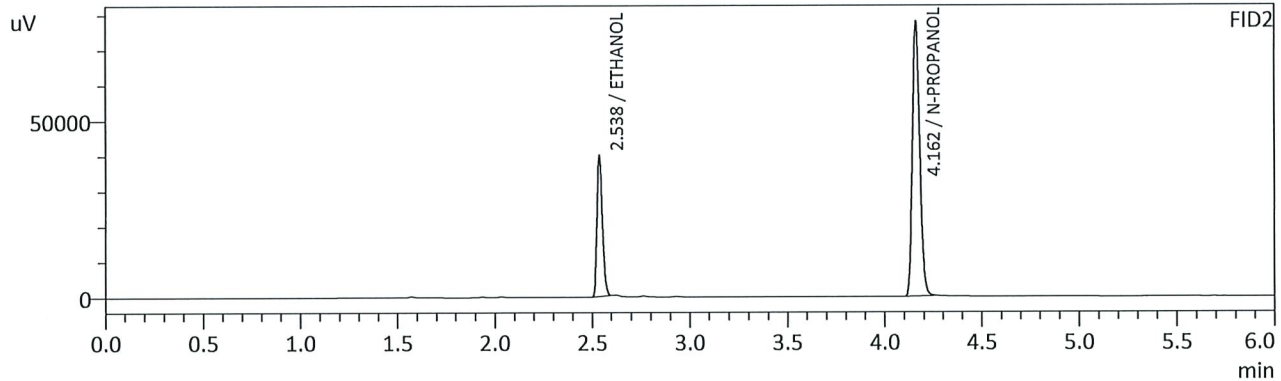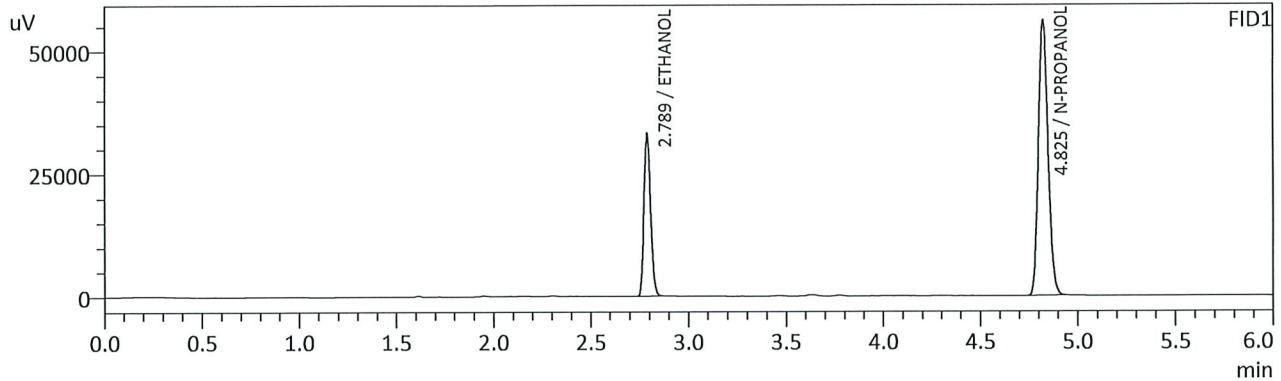
Overall Mean (g/100cc)	Low	High	5% of Mean
0.213	0.202	0.224	0.011

	Reported Result	
	0.213	

Calibration and control data are stored centrally.

Sample Name   : QC2-2-A
Vial #   : 65
Data Filename   : QC2-2-A_11242021_065.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 9:16:43 PM
Date Processed   : 11/26/2021 9:09:20 AM
C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2149	g/100cc	77467	33050
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196211	55898
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2134	g/100cc	78603	39675
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	204176	77519
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-2-B
Vial #   : 66
Data Filename   : QC2-2-B_11242021_066.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 9:25:42 PM
Date Processed   : 11/26/2021 9:09:23 AM
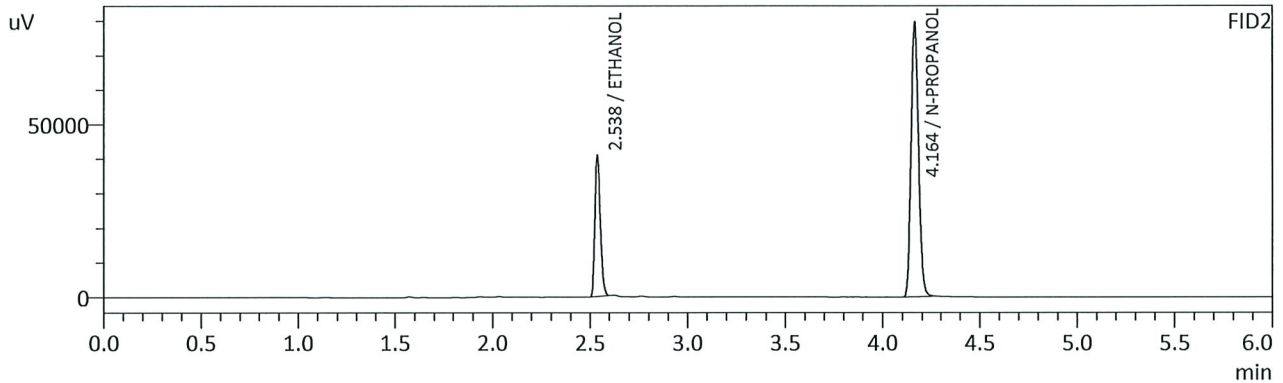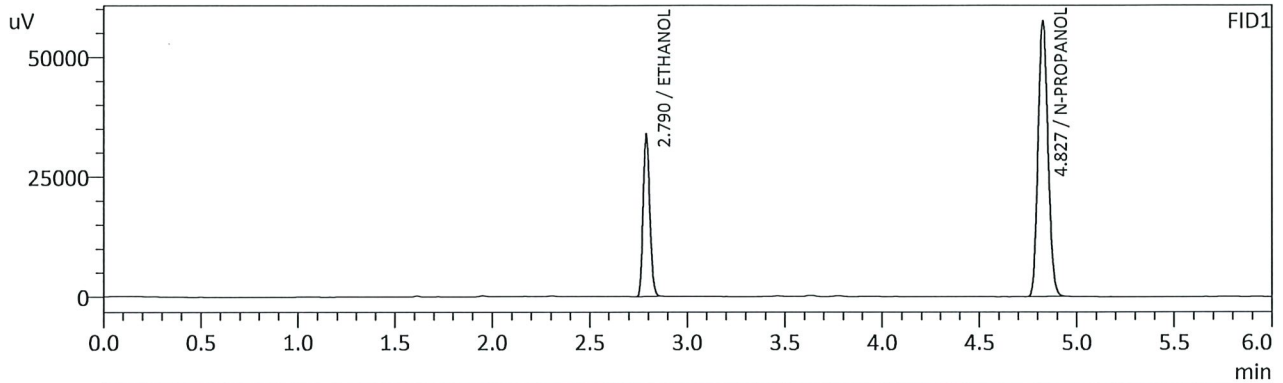C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2143	g/100cc	79268	33758
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201346	57413
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2129	g/100cc	80450	40538
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209434	79146
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 3
Vial #   : 67
Data Filename   : INT STD BLK 3_11242021_067.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 11-24-21_ts_post.gcb
Date Acquired   : 11/24/2021 9:34:19 PM
Date Processed   : 11/26/2021 9:09:26 AM
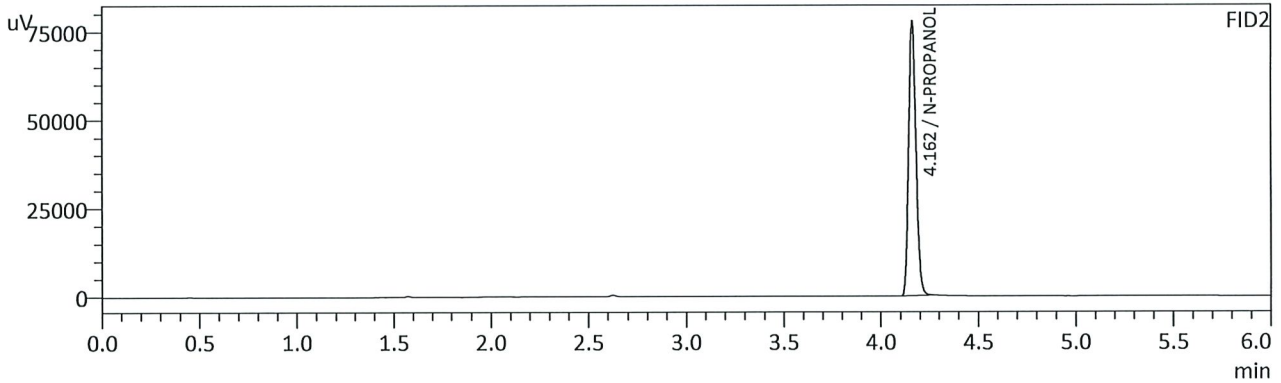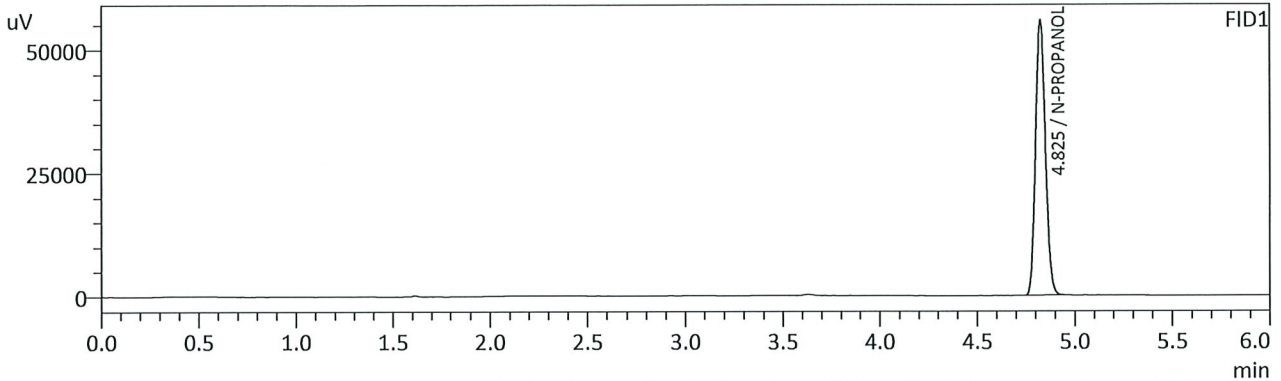C:\LabSolutions\Data\2021\11-24-21_TS\ALCOHOL.gcm

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	194987	55470
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	203411	77398
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662
Shimadzu HS-20 Serial Number: C12595700014
LabSolutions Version 5.98
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(I)	ALCOHOL.gcm	0.050_11242021_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_11242021_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_11242021_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_11242021_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_11242021_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_11242021_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_11242021_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_11242021_008.gcd	0
9	QC-1-1-A	0:Unknown	ALCOHOL.gcm	QC-1-1-A_11242021_009.gcd	0
10	QC-1-1-B	0:Unknown	ALCOHOL.gcm	QC-1-1-B_11242021_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_11242021_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_11242021_012.gcd	0
13	P2021-3046-1-A	0:Unknown	ALCOHOL.gcm	P2021-3046-1-A_11242021_013.gcd	0
14	P2021-3046-1-B	0:Unknown	ALCOHOL.gcm	P2021-3046-1-B_11242021_014.gcd	0
15	P2021-3742-1-A	0:Unknown	ALCOHOL.gcm	P2021-3742-1-A_11242021_015.gcd	0
16	P2021-3742-1-B	0:Unknown	ALCOHOL.gcm	P2021-3742-1-B_11242021_016.gcd	0
17	P2021-3750-1-A	0:Unknown	ALCOHOL.gcm	P2021-3750-1-A_11242021_017.gcd	0
18	P2021-3750-1-B	0:Unknown	ALCOHOL.gcm	P2021-3750-1-B_11242021_018.gcd	0
19	P2021-3785-1-A	0:Unknown	ALCOHOL.gcm	P2021-3785-1-A_11242021_019.gcd	0
20	P2021-3785-1B	0:Unknown	ALCOHOL.gcm	P2021-3785-1B_11242021_020.gcd	0
21	P2021-3786-1-A	0:Unknown	ALCOHOL.gcm	P2021-3786-1-A_11242021_021.gcd	0
22	P2021-3786-1-B	0:Unknown	ALCOHOL.gcm	P2021-3786-1-B_11242021_022.gcd	0
23	P2021-3793-1-A	0:Unknown	ALCOHOL.gcm	P2021-3793-1-A_11242021_023.gcd	0
24	P2021-3793-1-B	0:Unknown	ALCOHOL.gcm	P2021-3793-1-B_11242021_024.gcd	0
25	P2021-3794-1-A	0:Unknown	ALCOHOL.gcm	P2021-3794-1-A_11242021_025.gcd	0
26	P2021-3794-1-B	0:Unknown	ALCOHOL.gcm	P2021-3794-1-B_11242021_026.gcd	0
27	P2021-3795-1-A	0:Unknown	ALCOHOL.gcm	P2021-3795-1-A_11242021_027.gcd	0
28	P2021-3795-1-B	0:Unknown	ALCOHOL.gcm	P2021-3795-1-B_11242021_028.gcd	0
29	P2021-3796-1-A	0:Unknown	ALCOHOL.gcm	P2021-3796-1-A_11242021_029.gcd	0
30	P2021-3796-1-B	0:Unknown	ALCOHOL.gcm	P2021-3796-1-B_11242021_030.gcd	0
31	QC-2-1-A	0:Unknown	ALCOHOL.gcm	QC-2-1-A_11242021_031.gcd	0
32	QC-2-1-B	0:Unknown	ALCOHOL.gcm	QC-2-1-B_11242021_032.gcd	0
33	P2021-3797-1-A	0:Unknown	ALCOHOL.gcm	P2021-3797-1-A_11242021_033.gcd	0
34	P2021-3797-1-B	0:Unknown	ALCOHOL.gcm	P2021-3797-1-B_11242021_034.gcd	0
35	P2021-3801-1-A	0:Unknown	ALCOHOL.gcm	P2021-3801-1-A_11242021_035.gcd	0
36	P2021-3801-1-B	0:Unknown	ALCOHOL.gcm	P2021-3801-1-B_11242021_036.gcd	0
37	P2021-3802-1-A	0:Unknown	ALCOHOL.gcm	P2021-3802-1-A_11242021_037.gcd	0
38	P2021-3802-1-B	0:Unknown	ALCOHOL.gcm	P2021-3802-1-B_11242021_038.gcd	0
39	P2021-3803-1-A	0:Unknown	ALCOHOL.gcm	P2021-3803-1-A_11242021_039.gcd	0
40	P2021-3803-1-B	0:Unknown	ALCOHOL.gcm	P2021-3803-1-B_11242021_040.gcd	0
41	P2021-3810-1-A	0:Unknown	ALCOHOL.gcm	P2021-3810-1-A_11242021_041.gcd	0
42	P2021-3810-1-B	0:Unknown	ALCOHOL.gcm	P2021-3810-1-B_11242021_042.gcd	0
43	P2021-3811-1-A	0:Unknown	ALCOHOL.gcm	P2021-3811-1-A_11242021_043.gcd	0
44	P2021-3811-1-B	0:Unknown	ALCOHOL.gcm	P2021-3811-1-B_11242021_044.gcd	0
45	P2021-3812-1-A	0:Unknown	ALCOHOL.gcm	P2021-3812-1-A_11242021_045.gcd	0
46	P2021-3812-1-B	0:Unknown	ALCOHOL.gcm	P2021-3812-1-B_11242021_046.gcd	0
47	P2021-3813-1-A	0:Unknown	ALCOHOL.gcm	P2021-3813-1-A_11242021_047.gcd	0
48	P2021-3813-1-B	0:Unknown	ALCOHOL.gcm	P2021-3813-1-B_11242021_048.gcd	0
49	P2021-3847-1-A	0:Unknown	ALCOHOL.gcm	P2021-3847-1-A_11242021_049.gcd	0
50	P2021-3847-1-B	0:Unknown	ALCOHOL.gcm	P2021-3847-1-B_11242021_050.gcd	0
51	P2021-3848-1-A	0:Unknown	ALCOHOL.gcm	P2021-3848-1-A_11242021_051.gcd	0
52	P2021-3848-1-B	0:Unknown	ALCOHOL.gcm	P2021-3848-1-B_11242021_052.gcd	0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_11242021_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_11242021_054.gcd	0
55	P2021-3849-1-A	0:Unknown	ALCOHOL.gcm	P2021-3849-1-A_11242021_055.gcd	0
56	P2021-3849-1-B	0:Unknown	ALCOHOL.gcm	P2021-3849-1-B_11242021_056.gcd	0
57	P2021-3850-1-A	0:Unknown	ALCOHOL.gcm	P2021-3850-1-A_11242021_057.gcd	0
58	P2021-3850-1-B	0:Unknown	ALCOHOL.gcm	P2021-3850-1-B_11242021_058.gcd	0
59	P2021-3855-2-A	0:Unknown	ALCOHOL.gcm	P2021-3855-2-A_11242021_059.gcd	0
60	P2021-3855-2-B	0:Unknown	ALCOHOL.gcm	P2021-3855-2-B_11242021_060.gcd	0
61	P2021-3858-1-A	0:Unknown	ALCOHOL.gcm	P2021-3858-1-A_11242021_061.gcd	0
62	P2021-3858-1-B	0:Unknown	ALCOHOL.gcm	P2021-3858-1-B_11242021_062.gcd	0
63	P2021-3861-1-A	0:Unknown	ALCOHOL.gcm	P2021-3861-1-A_11242021_063.gcd	0
64	P2021-3861-1-B	0:Unknown	ALCOHOL.gcm	P2021-3861-1-B_11242021_064.gcd	0
65	QC2-2-A	0:Unknown	ALCOHOL.gcm	QC2-2-A_11242021_065.gcd	0
66	QC2-2-B	0:Unknown	ALCOHOL.gcm	QC2-2-B_11242021_066.gcd	0
67	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_11242021_067.gcd	0