Worklist: 6252

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2023-0409	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0410	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0427	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0433	1	BCK	BATS Proficiency Test	‖‖‖‖‖‖‖‖‖‖‖
P2023-0433	2	BCK	BATS Proficiency Test	‖‖‖‖‖‖‖‖‖‖‖
P2023-0433	3	BCK	BATS Proficiency Test	‖‖‖‖‖‖‖‖‖‖‖
P2023-0433	4	BCK	BATS Proficiency Test	‖‖‖‖‖‖‖‖‖‖‖
P2023-0439	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0440	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0442	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0450	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0459	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0460	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0462	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0474	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0476	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0483	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0484	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
P2023-0485	1	BCK	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖
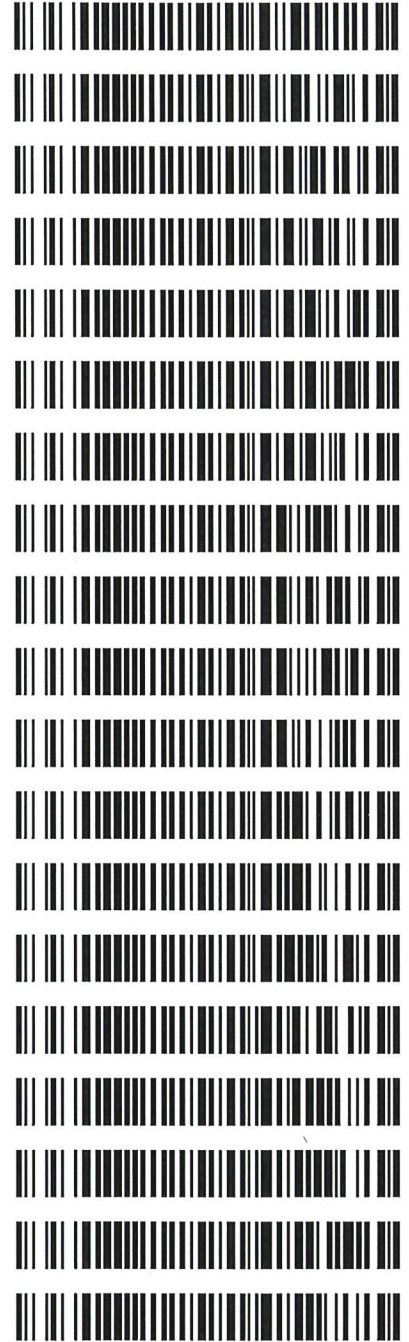
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls				Run Date(s):	02/16/2023
				Calibration Date: *(if different)*	
				Worklist #:	6252

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0725	g/100cc
					0.0790	g/100cc
						g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2128	g/100cc
						g/100cc
						g/100cc
Multi-Component mixture:		Exp:	10/31/2024	Lot #	FN06041902	
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	0.0503	0.0513	0.001	0.0508
100	0.100	0.090 - 0.110	0.1004	0.1002	0.0002	0.1003
200	0.200	0.180 - 0.220	0.1993	0.1985	0.0008	0.1989
300	0.300	0.270 - 0.330	0.2991	0.2985	0.0006	0.2988
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5006	0.5012	0.0006	0.5009

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #:	6252	Run Date(s):	02/16/2023

Internal Standard Solution:	Prep Date: 00/14/2023	Exp Date: 7/14/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	170095	177624
0.080	170265	177938
QC1	171448	179094
QC1	169980	177635
QC1	173019	180287
QC1	176720	184434
QC1		
QC1		
QC2	168805	175359
QC2	164090	170282
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	170552.8	136442.2	204663.3
Column 2	177831.6	142265.3	213398.0

==

Calibration Table

==

Laboratory: Pocatello
Instrument Name   : GC2030-HS20

<<Data File>>
Method File   :C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm ✓
Batch File   :C:\LabSolutions\Data\2023\2-16-23 TS\02-16-23 TS.gcb
Date Acquired   :2/16/2023 12:39:27 PM
Date Created   :2/16/2023 12:36:04 PM
Date Modified   :2/17/2023 7:32:04 AM
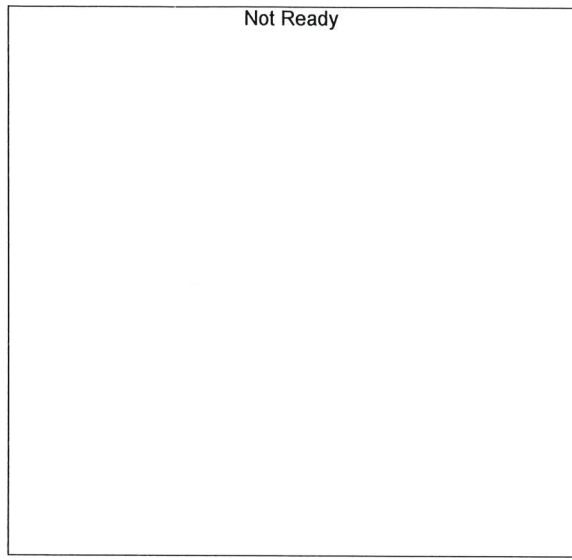
Not Ready

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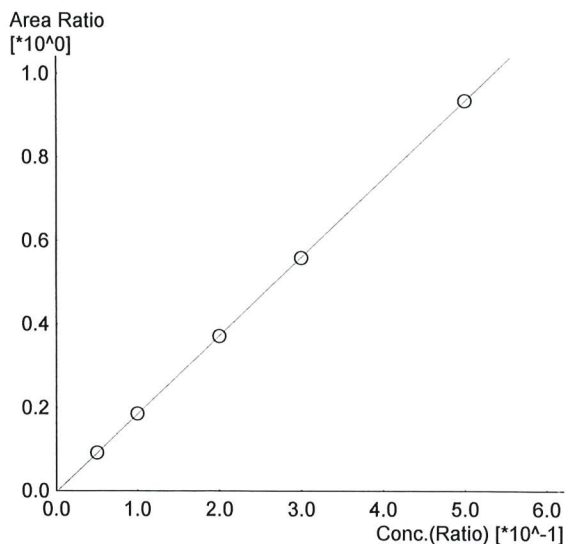R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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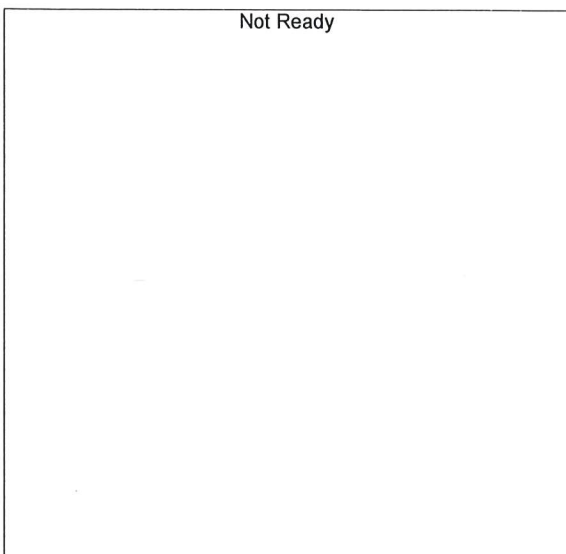R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Area Ratio [*10^0]
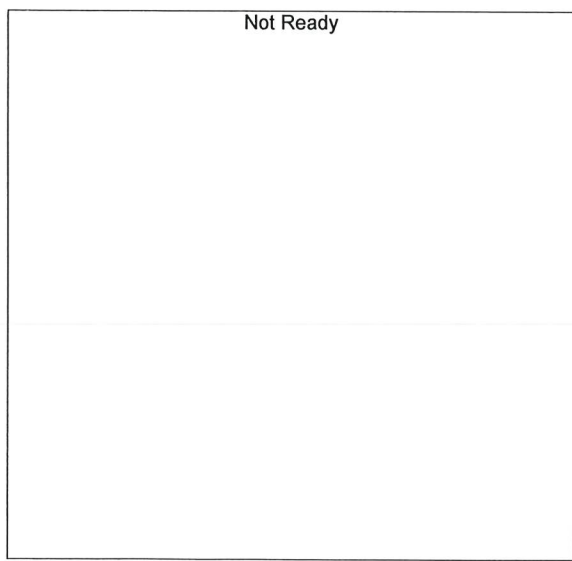
Name : ETHANOL
Detector Name: FID1
Function : $f(x)=1.87620*x-0.00324694$
R^2 value= 0.9999862
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14920	0.0503	0.050_2162023_001.gcd
2	0.100	30327	0.1004	0.100_2162023_002.gcd
3	0.200	61775	0.1993	0.200_2162023_003.gcd
4	0.300	93699	0.2991	0.300_2162023_004.gcd
5	0.500	157020	0.5006	0.500_2162023_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

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
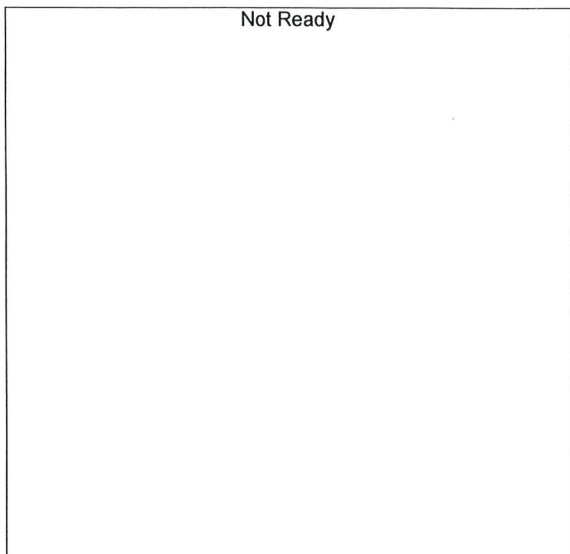R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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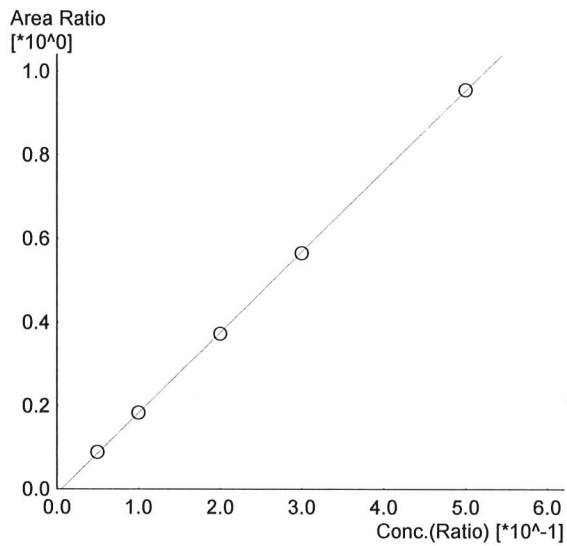R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

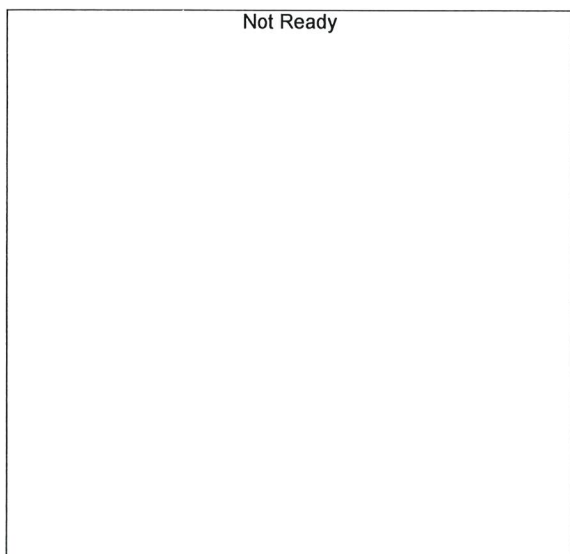| #	Conc.	Area	Std. Conc.	Data File Name

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

Area Ratio
[*10^0]

Name : ETHANOL
Detector Name: FID2
Function : f(x)=1.92825*x-0.0102755 ✓
R^2 value= 0.9999408
FitType: Linear
ZeroThrough: Not Through

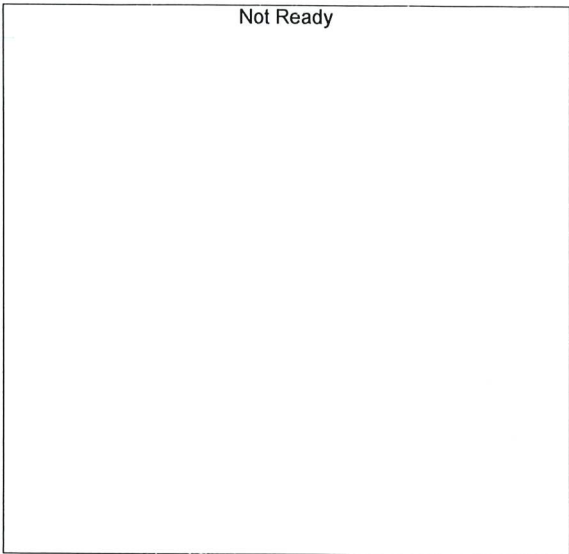| #	Conc.	Area	Std. Conc.	Data File Name
1	0.050	15134	0.0513	0.050_2162023_001.gcd
2	0.100	31201	0.1002	0.100_2162023_002.gcd
3	0.200	64605	0.1985	0.200_2162023_003.gcd
4	0.300	98826	0.2985	0.300_2162023_004.gcd
5	0.500	166831	0.5012	0.500_2162023_005.gcd

Not Ready

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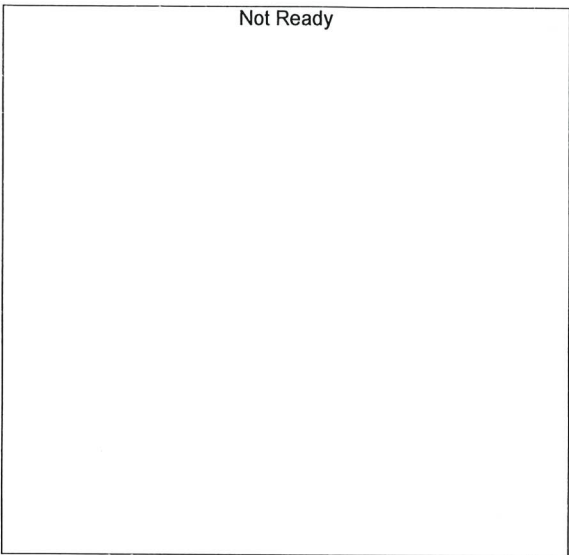R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

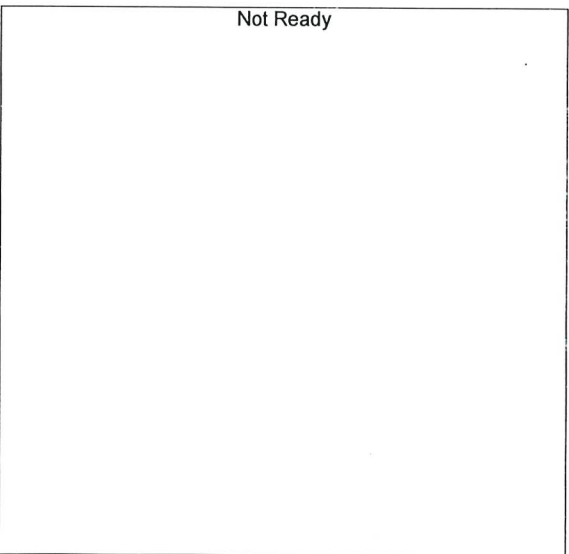| #	Conc.	Area	Std. Conc.	Data File Name

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

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_2162023_001.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:01:20 PM
Date Processed   : 2/17/2023 7:31:57 AM
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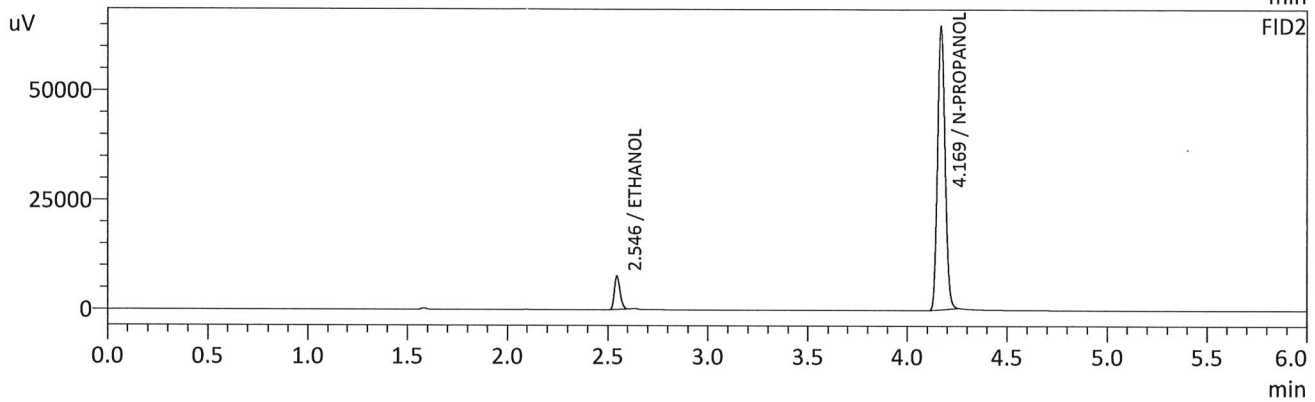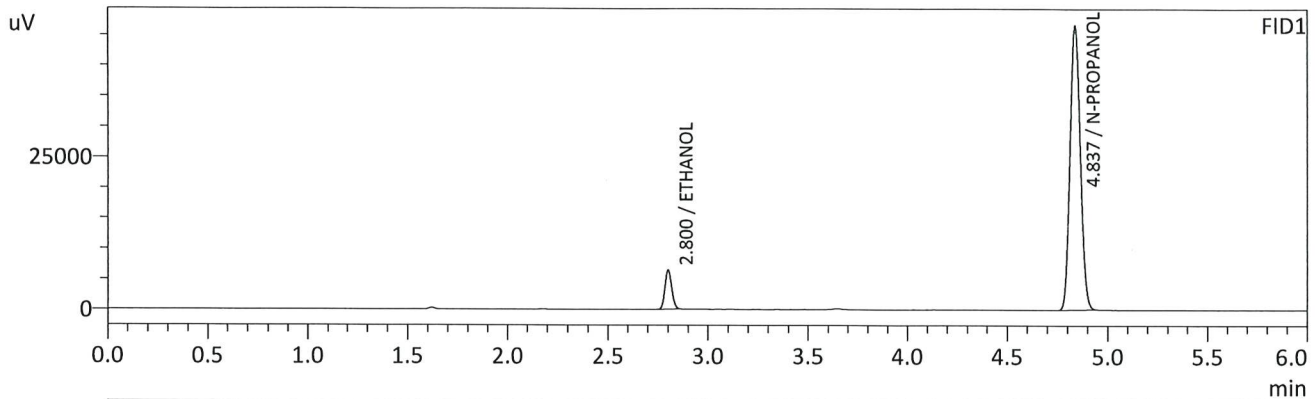
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0503	g/100cc	14920	6354
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163513	46564
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	15134	7570
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170412	64435
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_2162023_002.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:10:50 PM
Date Processed   : 2/17/2023 7:31:59 AM
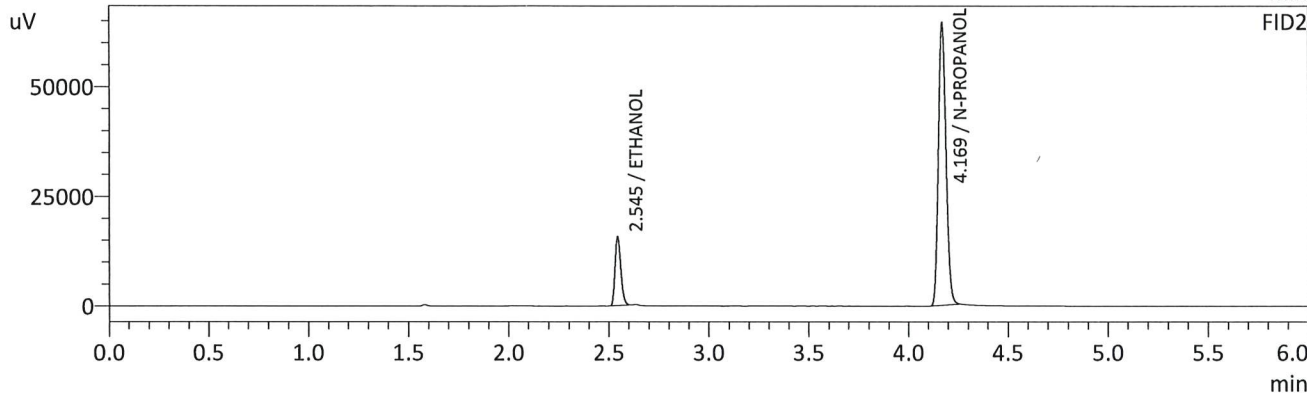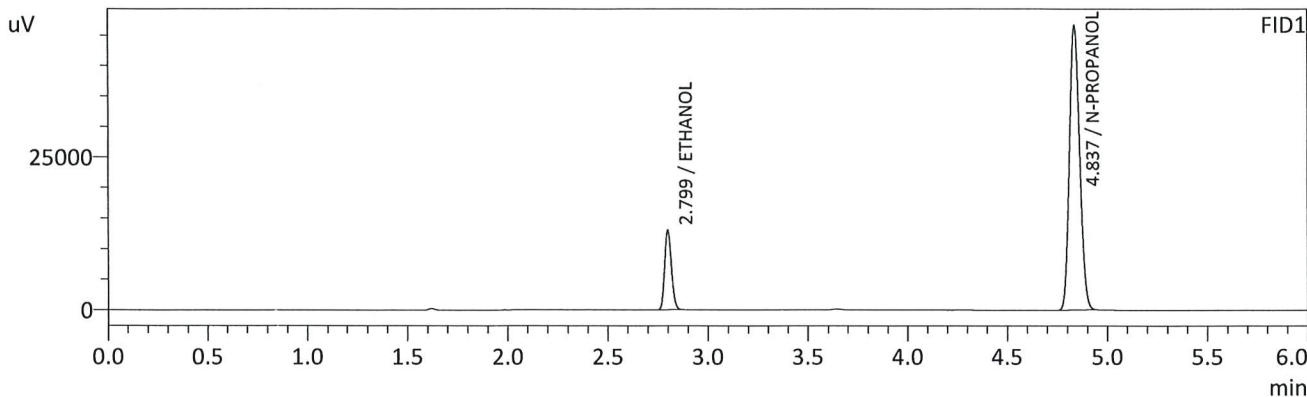C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	30327	12991
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	163730	46583
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	31201	15568
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170523	64346
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_2162023_003.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:20:11 PM
Date Processed   : 2/17/2023 7:32:01 AM
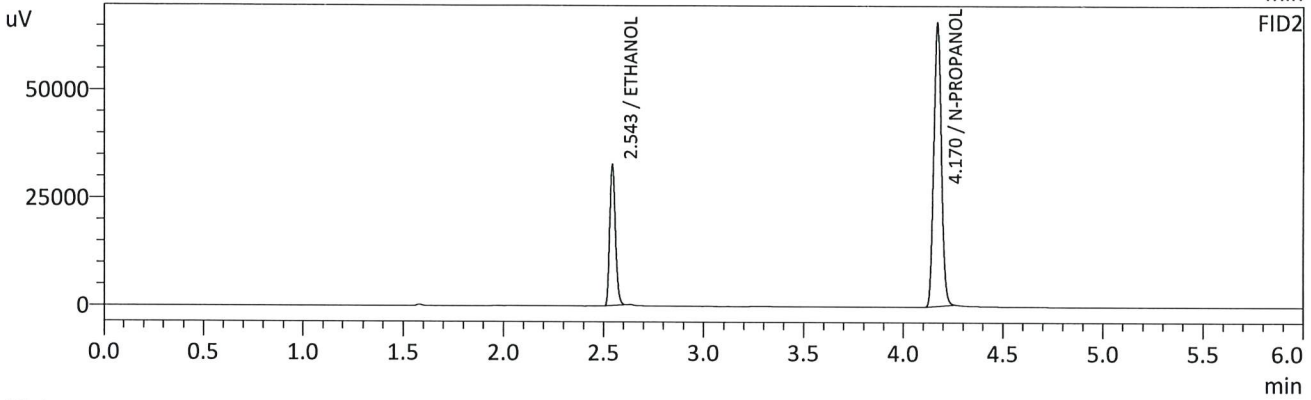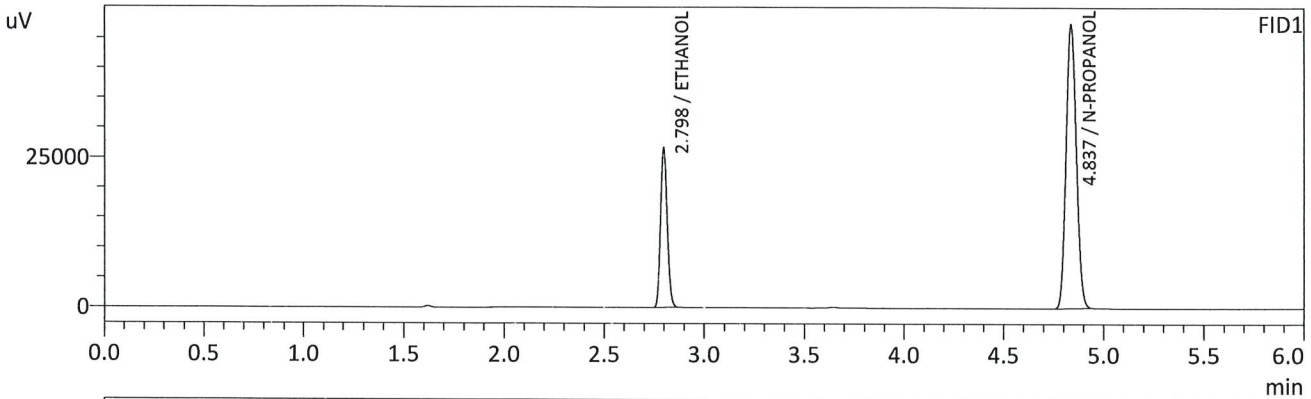C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1993	g/100cc	61775	26593
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166569	47394
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1985	g/100cc	64605	32203
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173370	65649
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_2162023_004.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:29:56 PM
Date Processed   : 2/17/2023 7:32:03 AM
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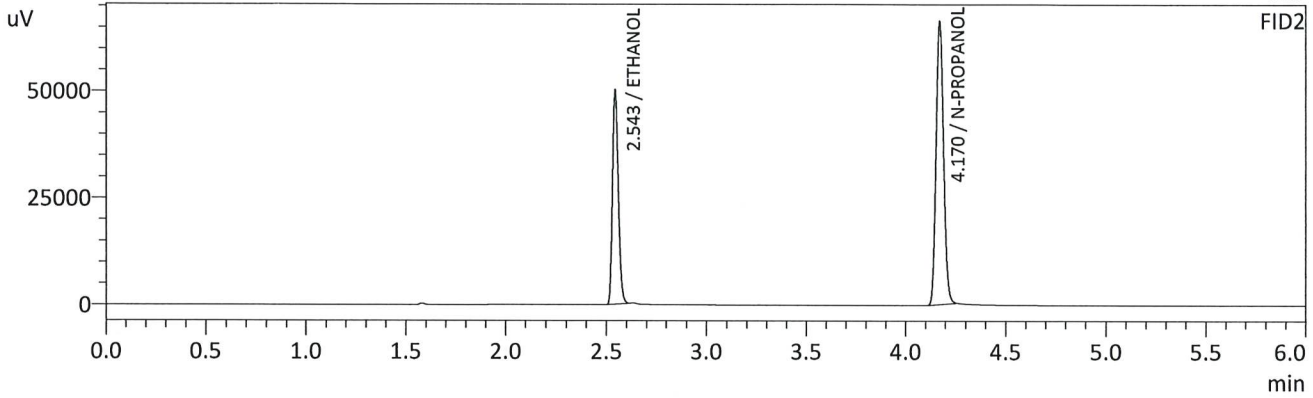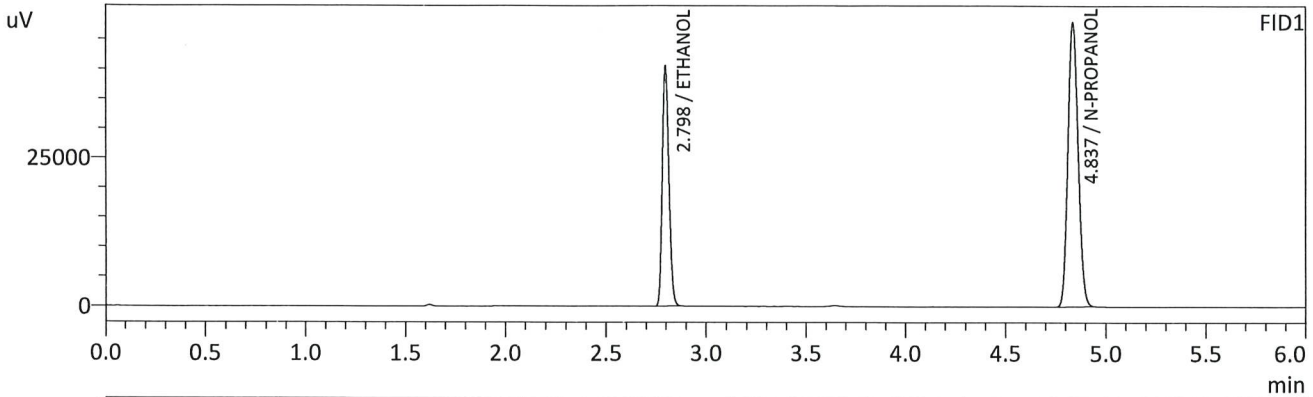

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2991	g/100cc	93699	40431
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167903	47909
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2985	g/100cc	98826	49447
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174779	66291
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_2162023_005.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:39:27 PM
Date Processed   : 2/17/2023 7:32:04 AM
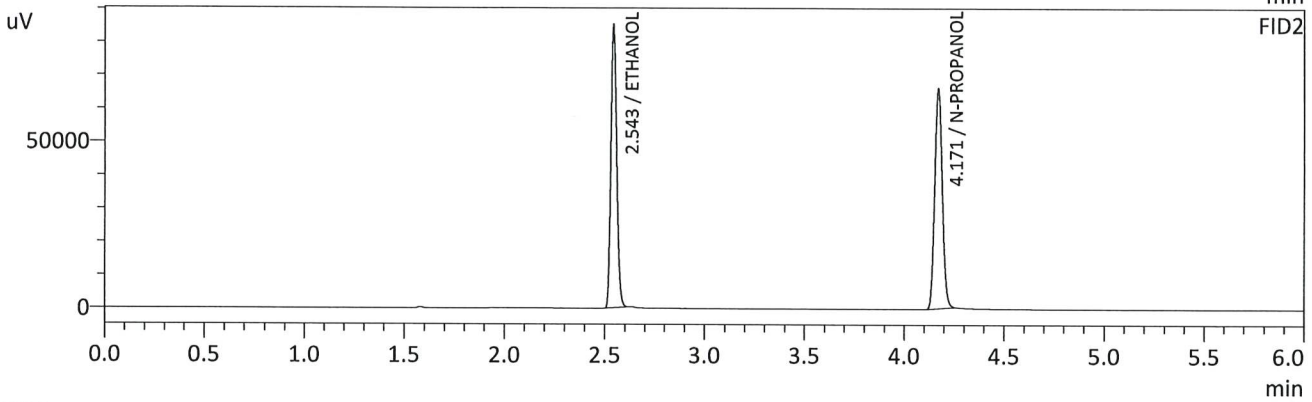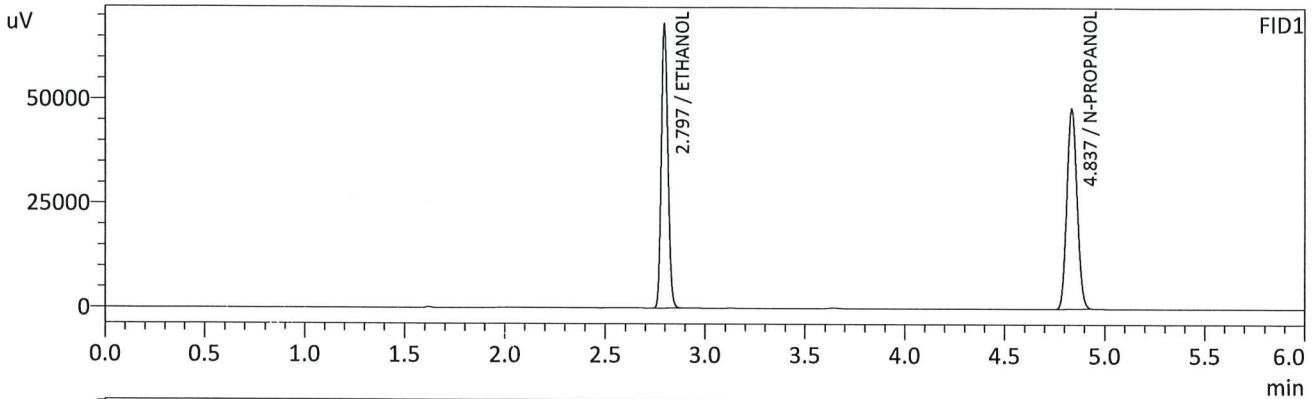C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5006	g/100cc	157020	67795
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167756	47988
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	166831	84313
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174463	65931
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

2/17/2023 7:32:08 AM Page 1 / 1

Sample Name   : INT STD BLK 1
Vial #   : 6
Data Filename   : INT STD BLK 1_2162023_006.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:48:48 PM
Date Processed : 2/17/2023 7:32:07 AM
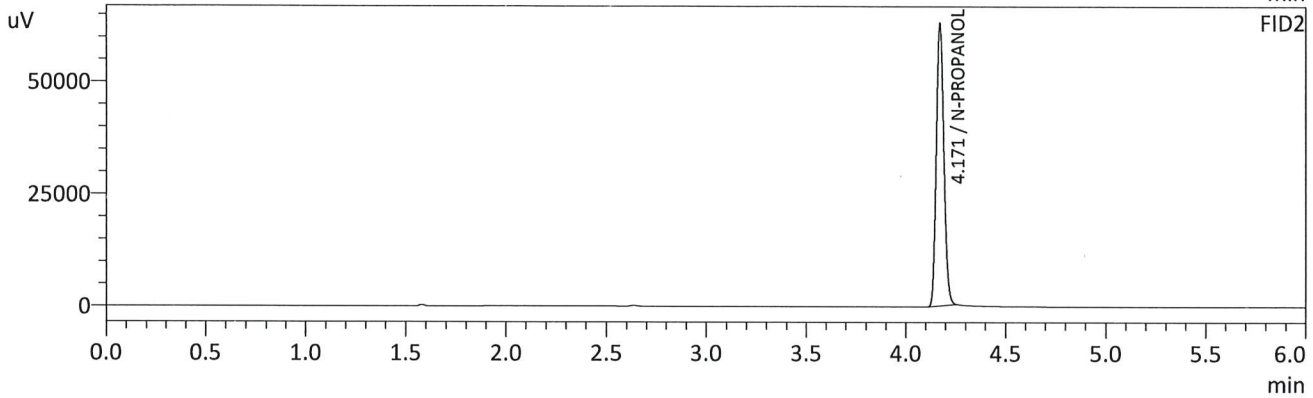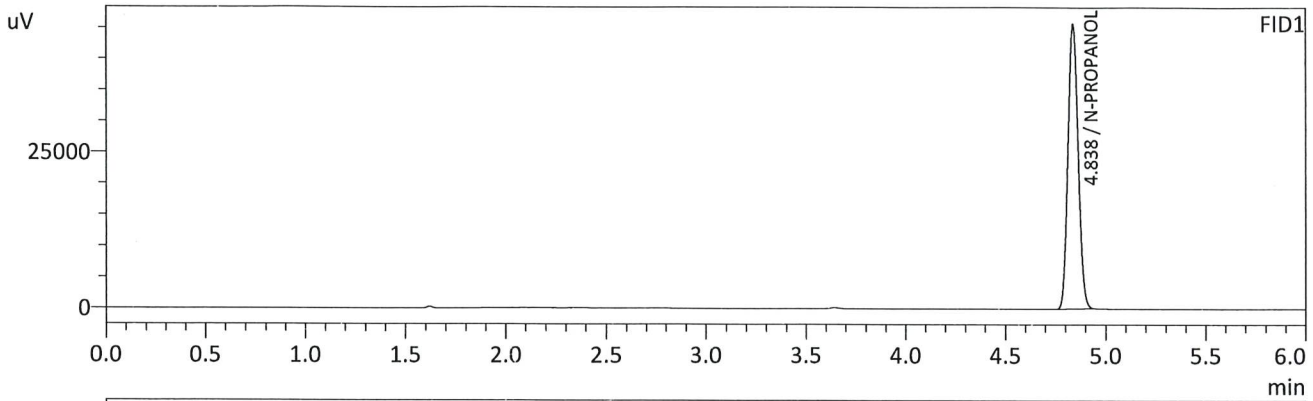C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

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	160066	45629
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	166730	62717
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 7
Data Filename   : MULTI-COMP MIX_2162023_007.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 12:58:36 PM
Date Processed   : 2/17/2023 7:32:09 AM
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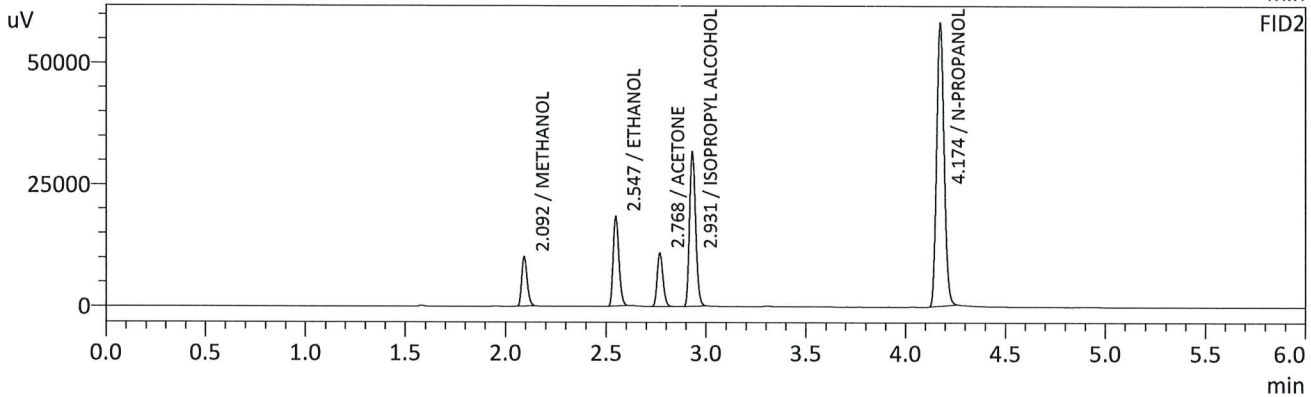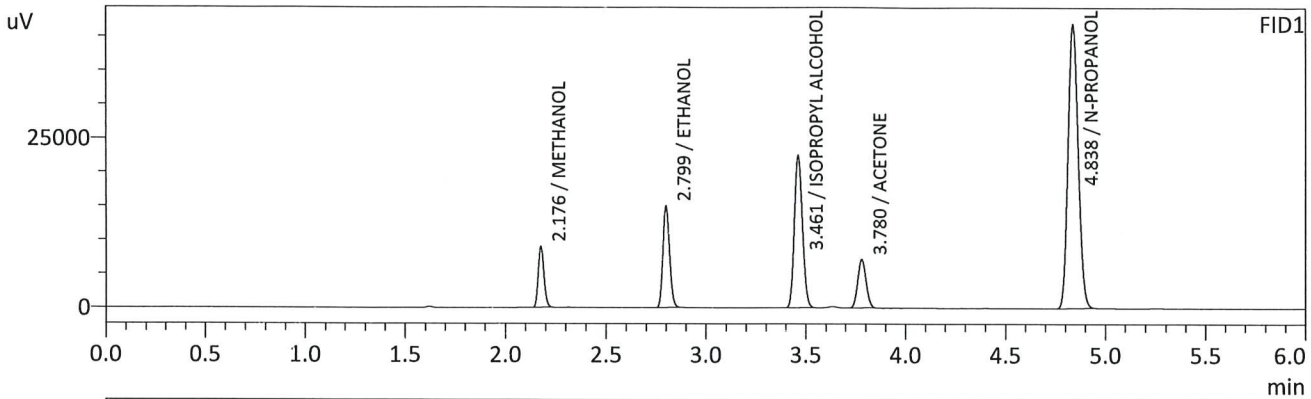

FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	18032	8906
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1274	g/100cc	34426	14855
ISOPROPYL ALCOHOL	0.0000	g/100cc	62534	22421
ACETONE	0.0000	g/100cc	20263	7072
N-PROPANOL	0.0000	g/100cc	145995	41797
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	18941	10071
ETHANOL	0.1285	g/100cc	36263	18304
ACETONE	0.0000	g/100cc	21979	10747
ISOPROPYL ALCOHOL	0.0000	g/100cc	66363	31243
N-PROPANOL	0.0000	g/100cc	152569	58062
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name   : INT STD BLK 2
Vial #   : 8
Data Filename   : INT STD BLK 2_2162023_008.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 1:08:04 PM
Date Processed   : 2/17/2023 7:32:11 AM
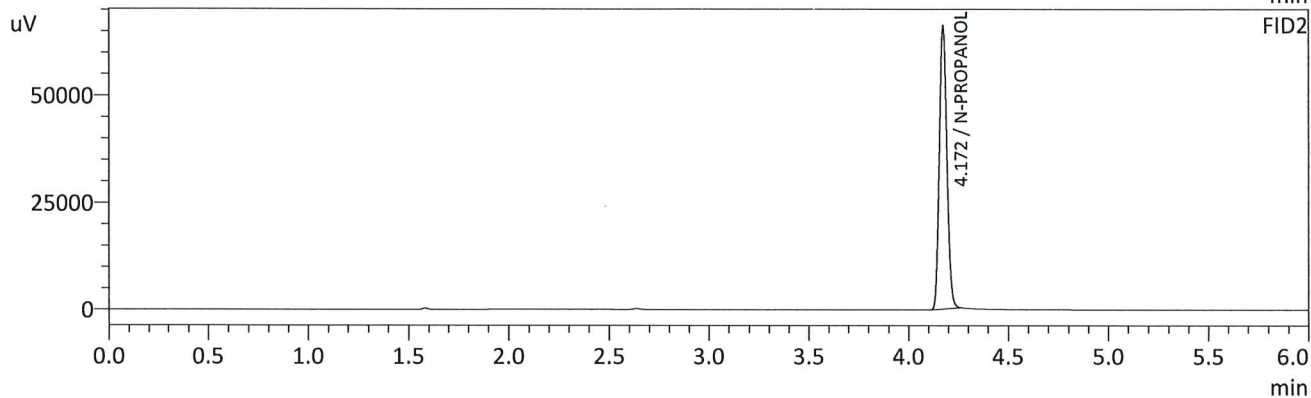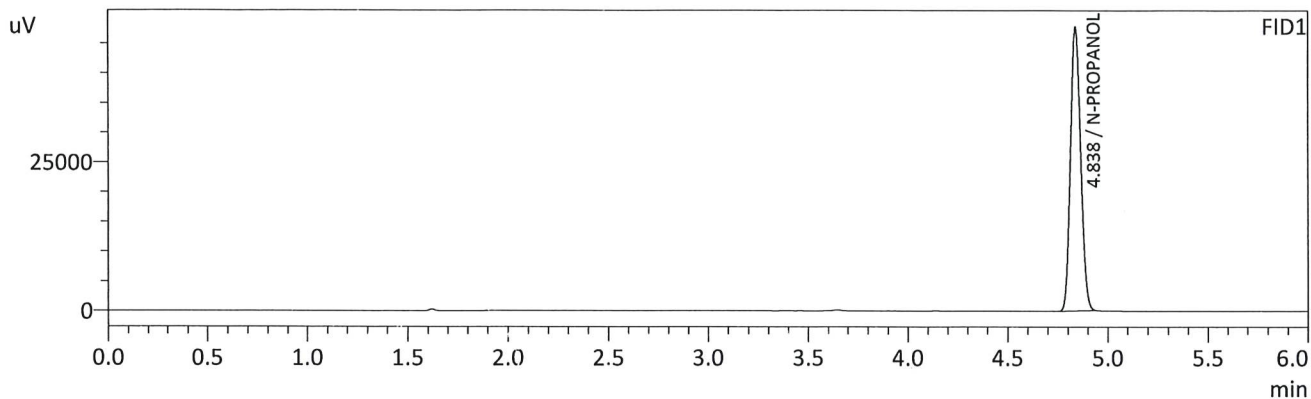C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

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	167512	47693
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	174762	65638
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1   Item #   **Analysis Date(s): 02/16/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0723	0.0727	0.0004	0.0725	0.0001	0.0725
(g/100cc)	0.0724	0.0728	0.0004	0.0726		

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	
	0.072	**Notes:**

Calibration and control data are stored centrally.

Sample Name   : QC1-1-A
Vial #   : 9
Data Filename   : QC1-1-A_2162023_009.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 1:17:22 PM
Date Processed   : 2/17/2023 7:32:12 AM
C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm
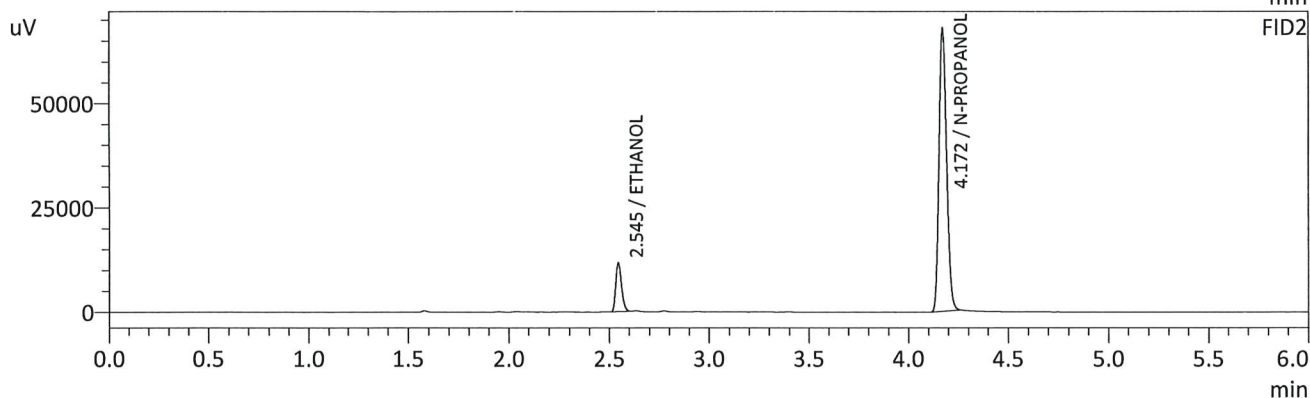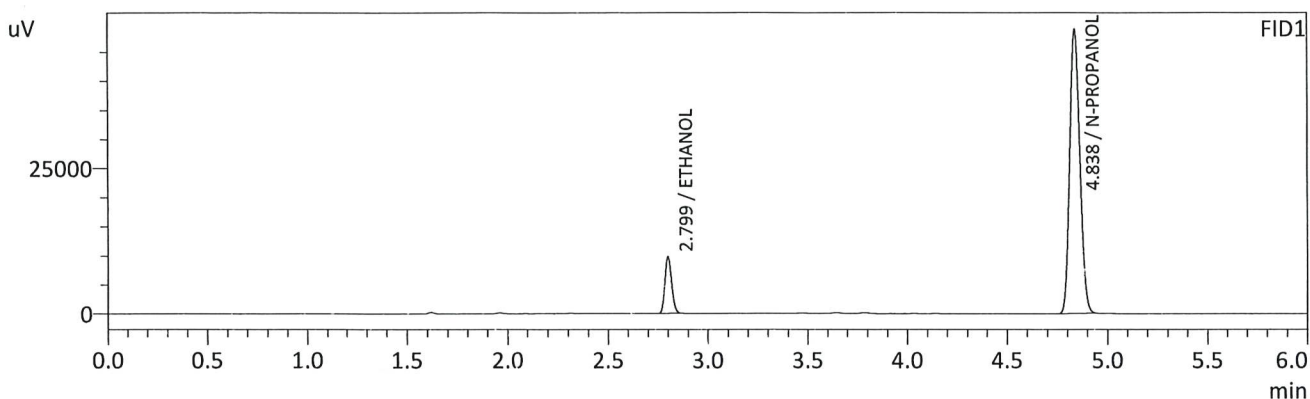
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0723	g/100cc	22721	9733
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171448	48808
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0727	g/100cc	23281	11659
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	179094	67375
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 10
Data Filename   : QC1-1-B_2162023_010.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 1:27:06 PM
Date Processed   : 2/17/2023 7:32:14 AM
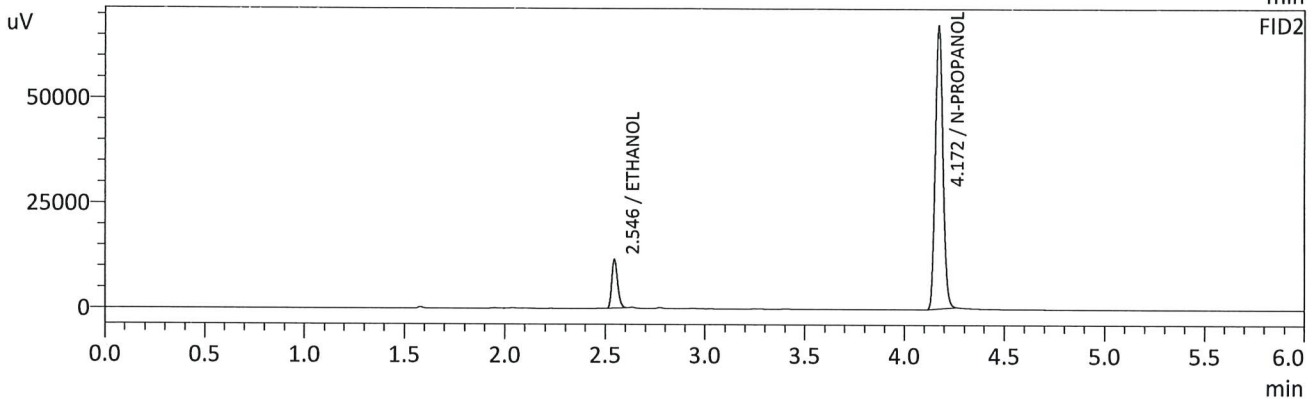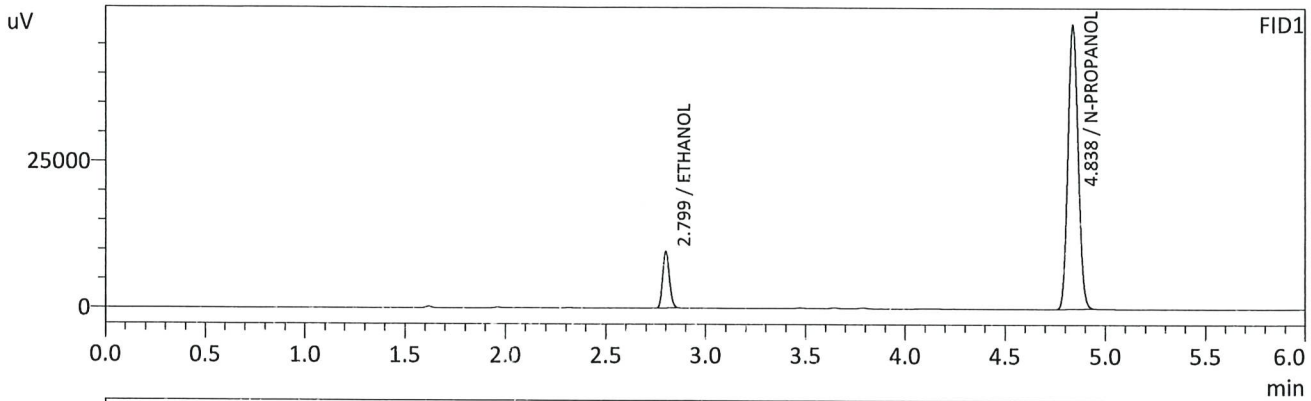C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0724	g/100cc	22556	9662
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169980	48470
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0728	g/100cc	23119	11594
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177635	66656
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA   Item #   **Analysis Date(s): 02/16/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0801	0.0806	0.0005	0.0803	0.0001	0.0803
(g/100cc)	0.0802	0.0806	0.0004	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

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

Reporting of Results   Uncertainty of Measurement (UM%): 5.00%
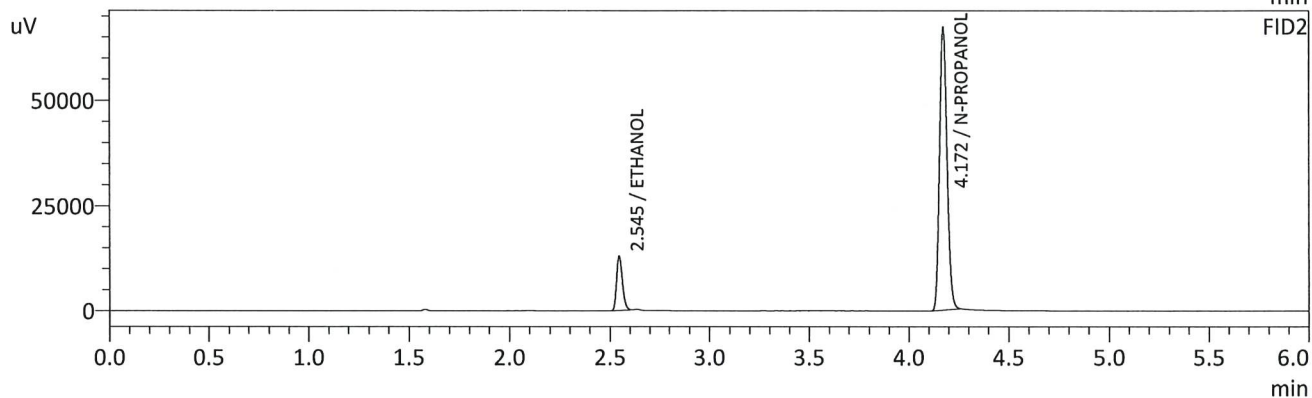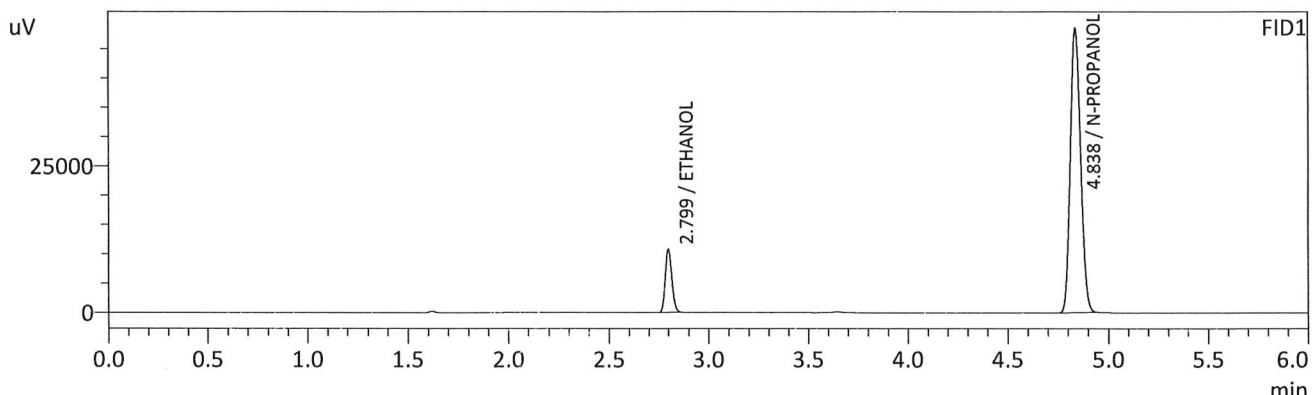
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	Notes:

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA - A
Vial #   : 11
Data Filename   : 0.08 QA - A_2162023_011.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 1:36:37 PM
Date Processed   : 2/17/2023 7:32:15 AM
C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0801	g/100cc	25032	10707
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170095	48459
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25784	12884
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177624	66521
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 12
Data Filename   : 0.08 QA - B_2162023_012.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 1:45:54 PM
Date Processed   : 2/17/2023 7:32:17 AM
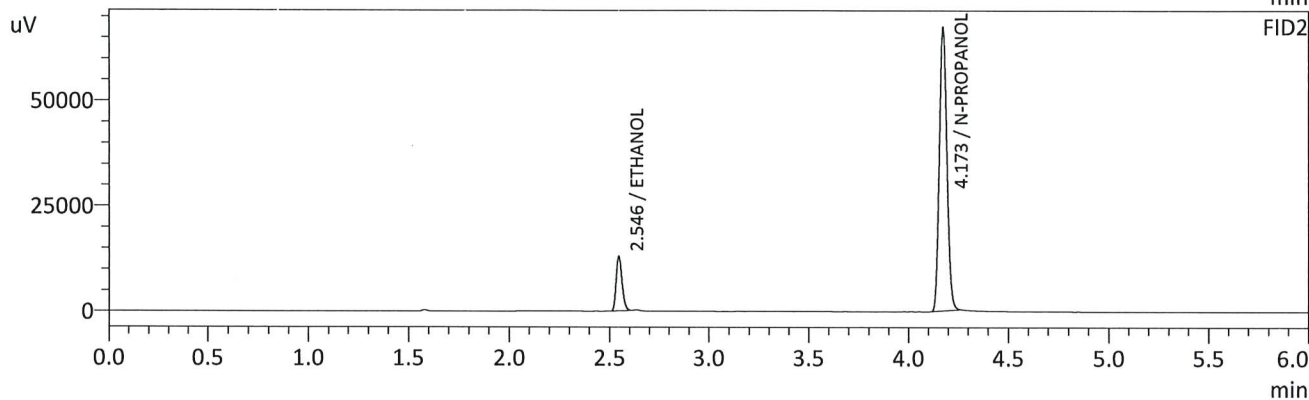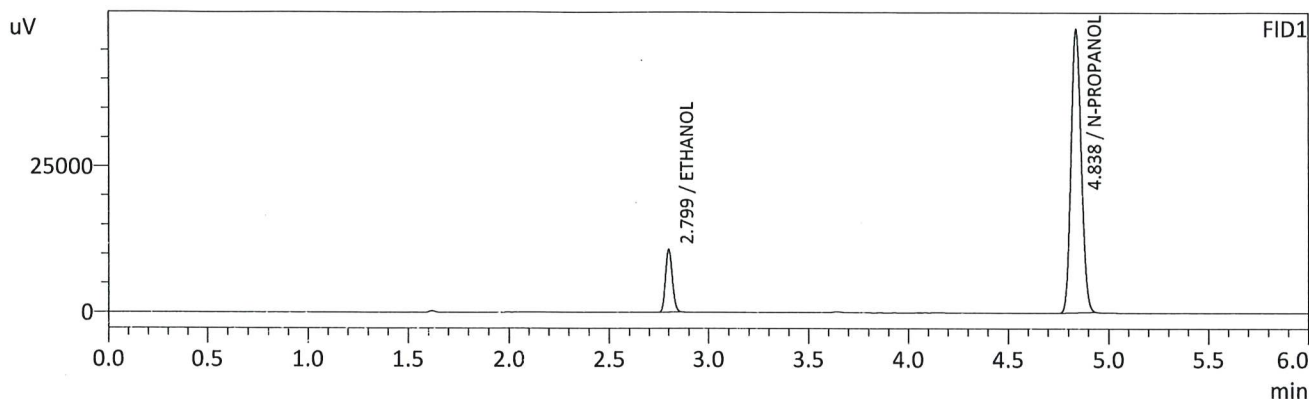C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0802	g/100cc	25070	10719
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170265	48598
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0806	g/100cc	25860	12956
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177938	67041
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1   Item #   **Analysis Date(s): 02/16/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2108	0.2125	0.0017	0.2116		
(g/100cc)	0.2131	0.2148	0.0017	0.2139	0.0023	0.2128

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%**
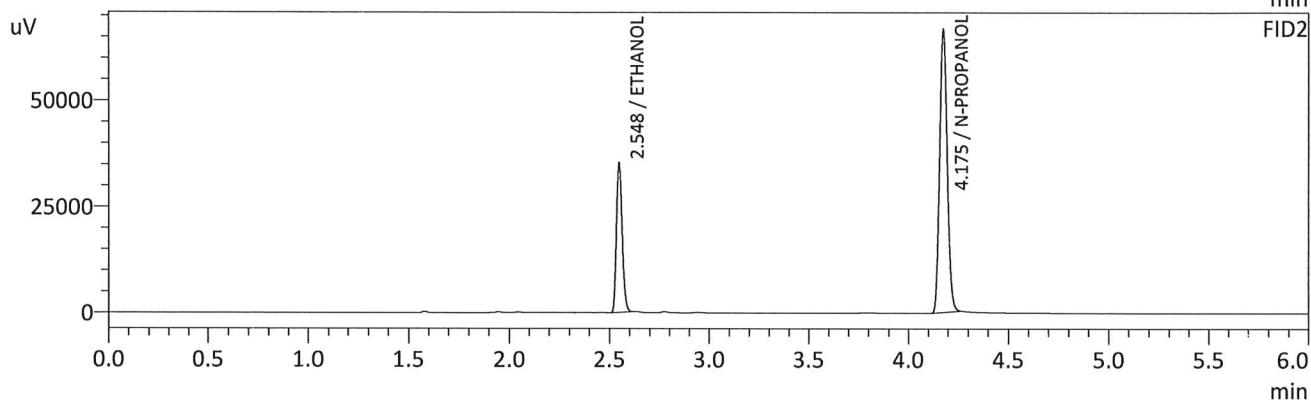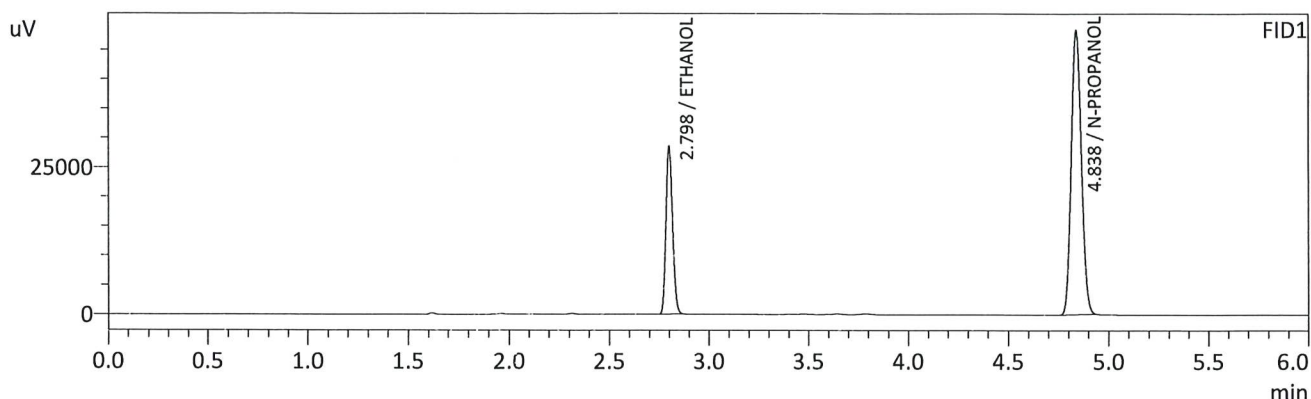
Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

	Reported Result	
	0.212	**Notes:**

Calibration and control data are stored centrally.

TS

Sample Name   : QC2-1-A
Vial #   : 31
Data Filename   : QC2-1-A_2162023_031.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 4:46:58 PM
Date Processed   : 2/17/2023 7:32:42 AM
C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2108	g/100cc	66243	28390
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168805	48199
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2125	g/100cc	70080	35005
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175359	66558
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-1-B
Vial #   : 32
Data Filename   : QC2-1-B_2162023_032.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 4:56:29 PM
Date Processed   : 2/17/2023 7:32:44 AM
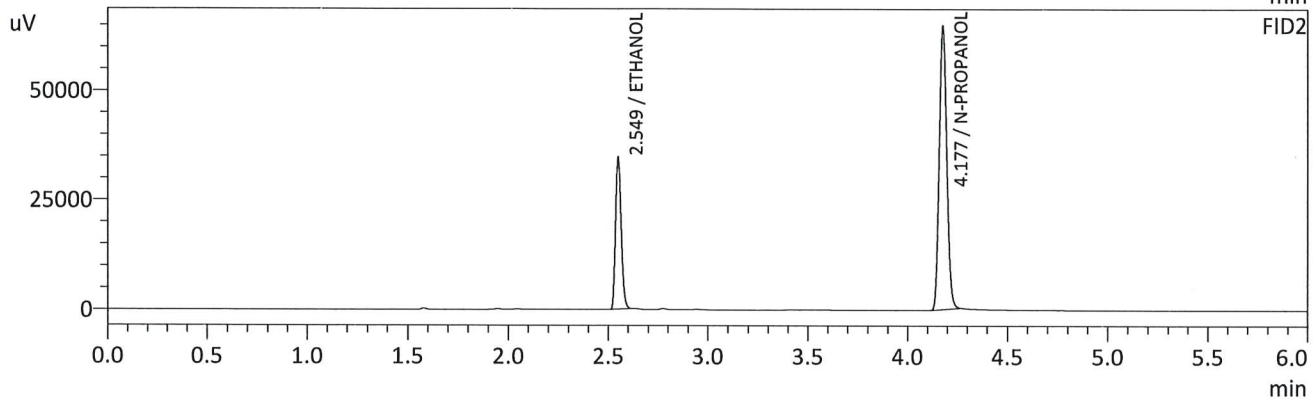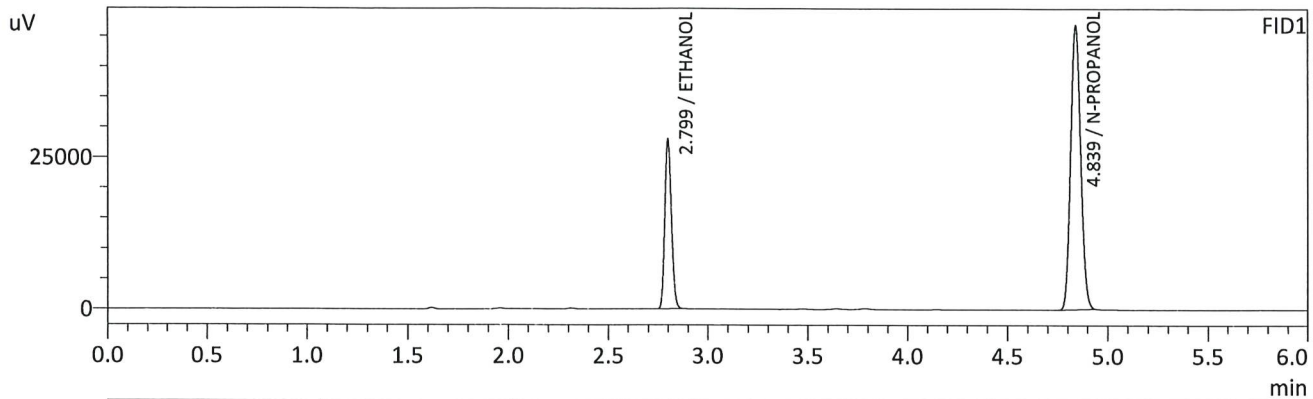C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	65101	27882
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164090	46711
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2148	g/100cc	68784	34359
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170282	64127
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2   **Item #**   **Analysis Date(s): 02/16/2023**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0782	0.0796	0.0014	0.0789	0.0003	0.0790
(g/100cc)	0.0785	0.0800	0.0015	0.0792		

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	**Notes:**

Calibration and control data are stored centrally.

Revision: 2
Issue Date: 12/27/2022
Issuing Authority: Quality Manager

TS

Sample Name   : QC1-2-A
Vial #   : 53
Data Filename   : QC1-2-A_2162023_053.gcd
Method Filename   : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 8:16:24 PM
Date Processed   : 2/17/2023 7:33:08 AM
C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm
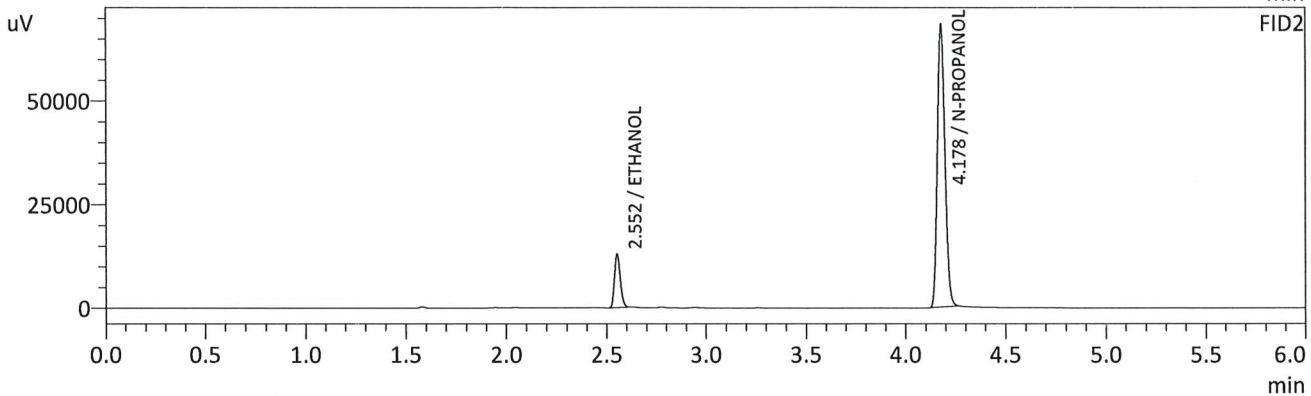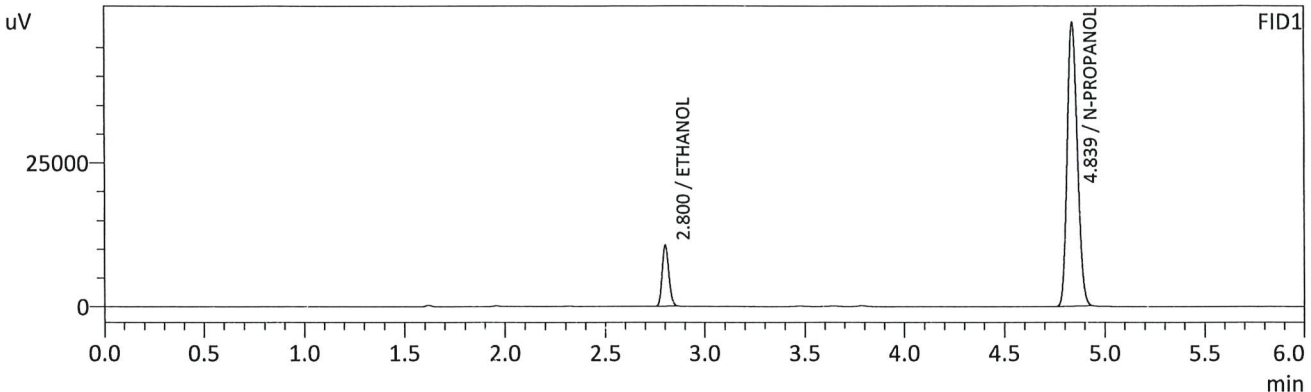
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0782	g/100cc	24839	10498
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173019	49188
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0796	g/100cc	25847	12936
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	180287	67992
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : QC1-2-B
Vial #   : 54
Data Filename   : QC1-2-B_2162023_054.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 8:25:41 PM
Date Processed   : 2/17/2023 7:33:10 AM
C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm
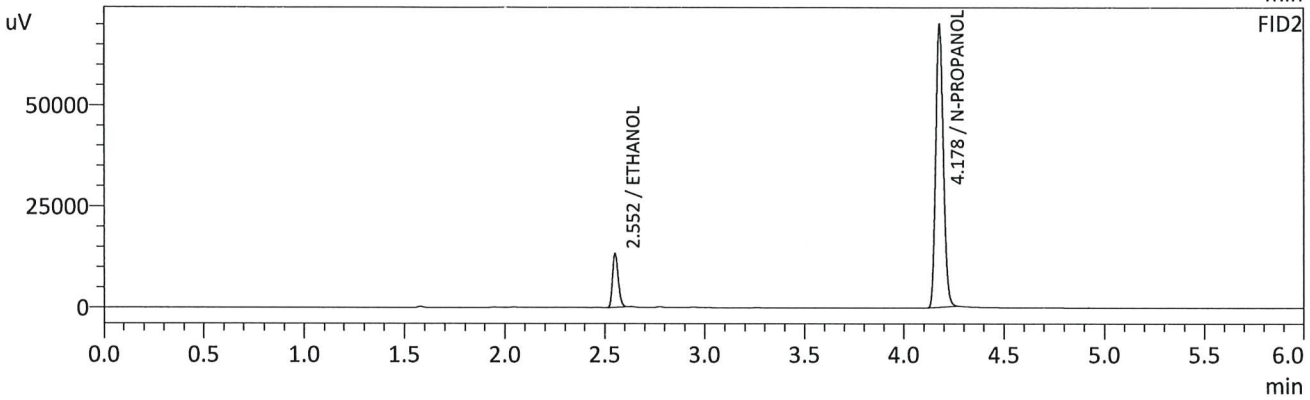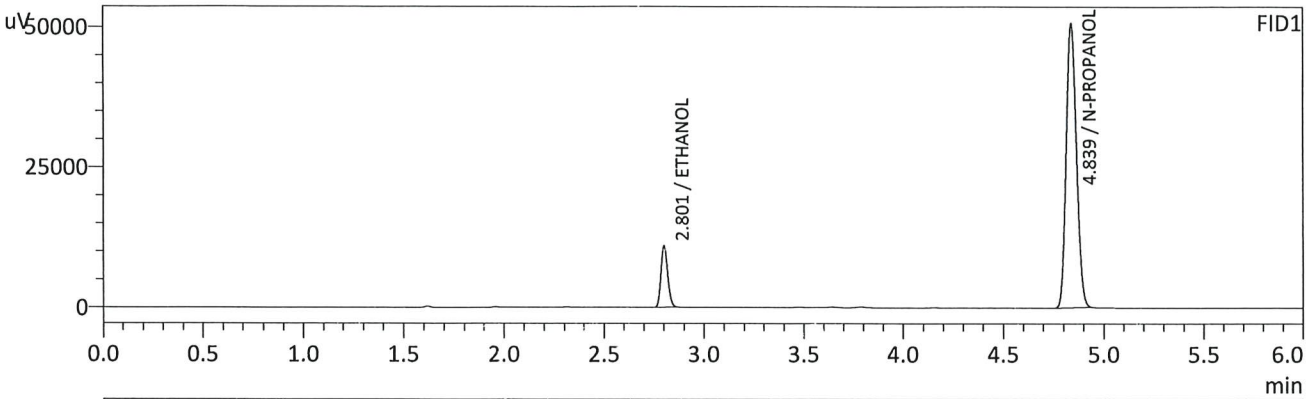

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0785	g/100cc	25485	10782
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176720	50463
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0800	g/100cc	26581	13242
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184434	69588
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 3
Vial #   : 55
Data Filename   : INT STD BLK 3_2162023_055.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 8:35:26 PM
Date Processed   : 2/17/2023 7:33:11 AM
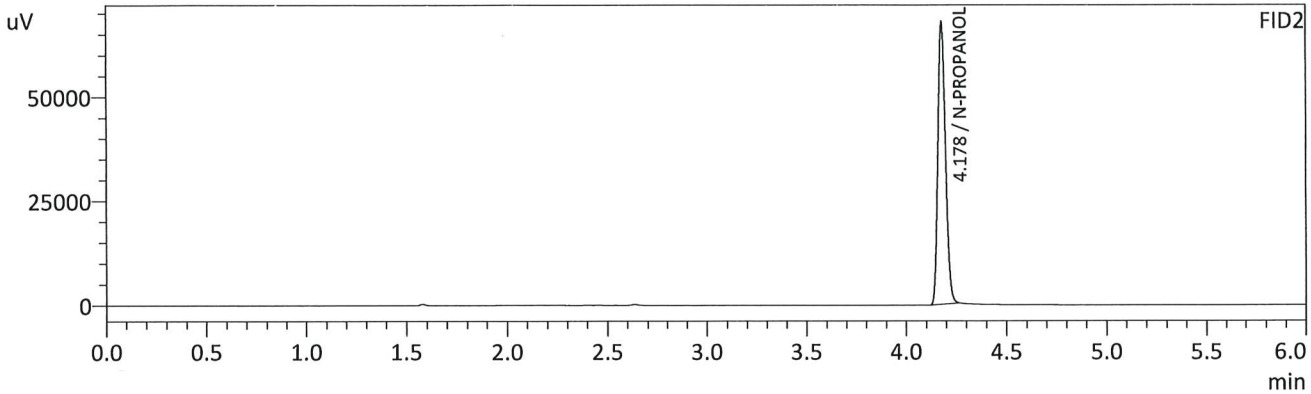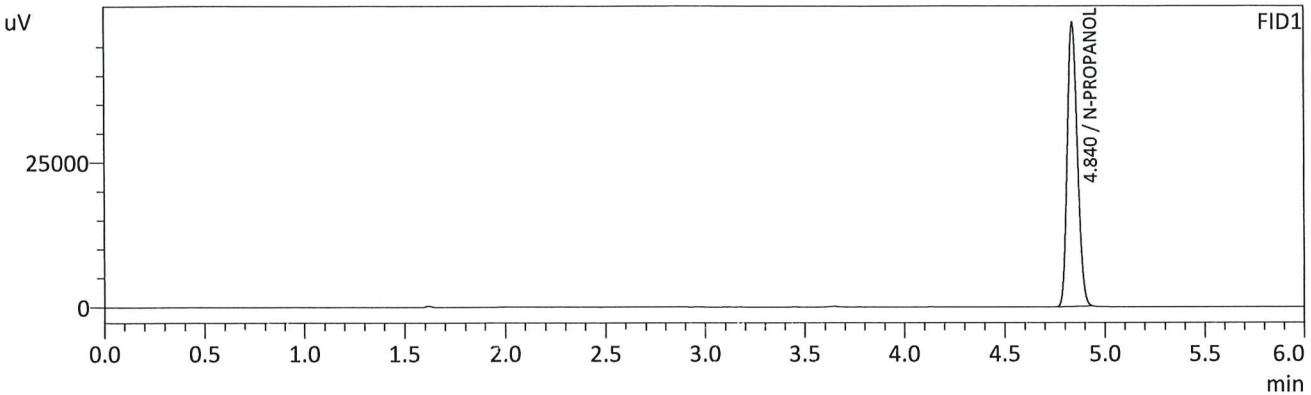C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

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	171577	48911
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	178838	67509
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name : DFE
Vial # : 56
Data Filename : DFE_2162023_056.gcd
Method Filename : ALCOHOL.gcm
Batch Filename : 02-16-23 TS.gcb
Date Acquired : 2/16/2023 8:44:56 PM
Date Processed : 2/17/2023 12:39:59 PM
C:\LabSolutions\Data\2023\2-16-23 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	86204	24814
DFE	0.0000	g/100cc	128662	80458
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	89473	34340
DFE	0.0000	g/100cc	137369	87767
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 5
Vial #   : 57
Data Filename   : INT STD BLK 5_2162023_057.gcd
Method Filename : ALCOHOL.gcm
Batch Filename   : 02-16-23 TS.gcb
Date Acquired   : 2/16/2023 8:54:13 PM
Date Processed   : 2/17/2023 7:33:13 AM
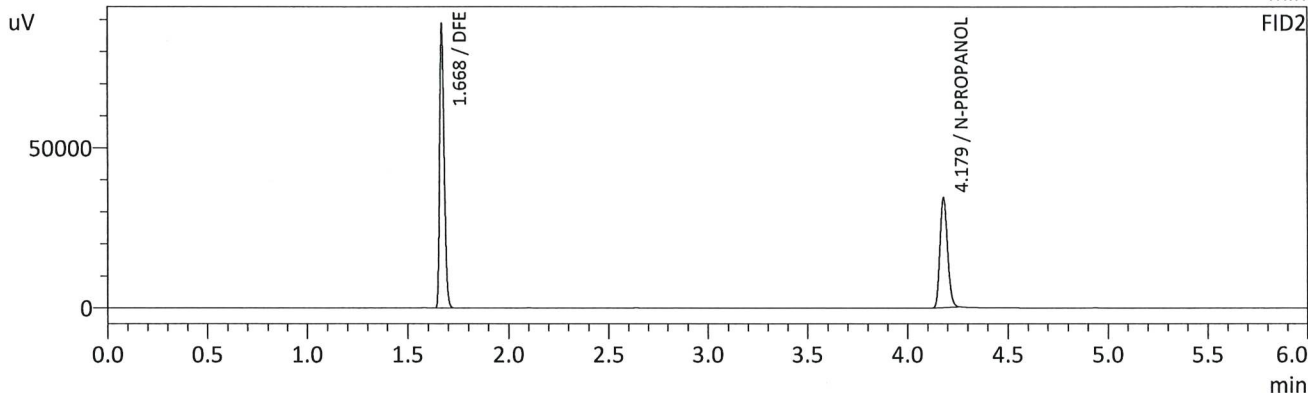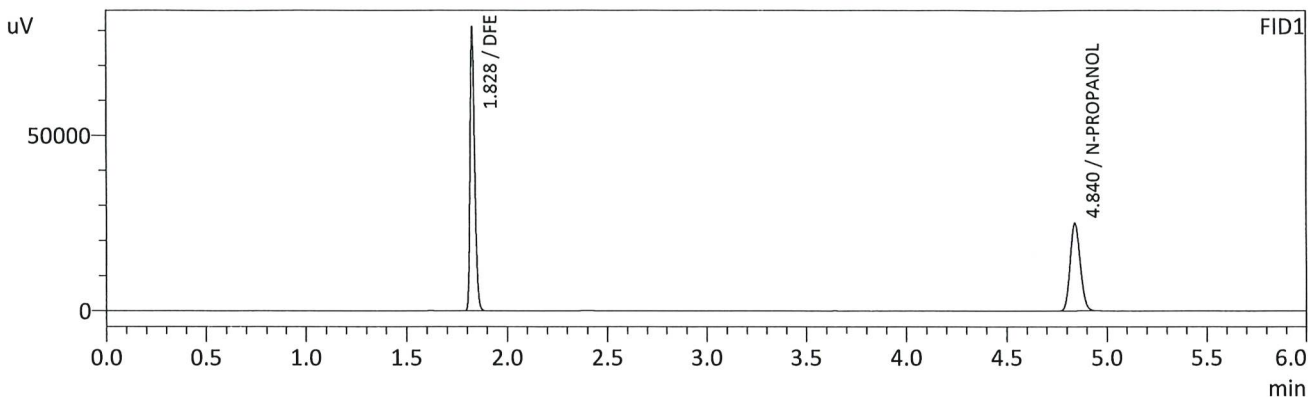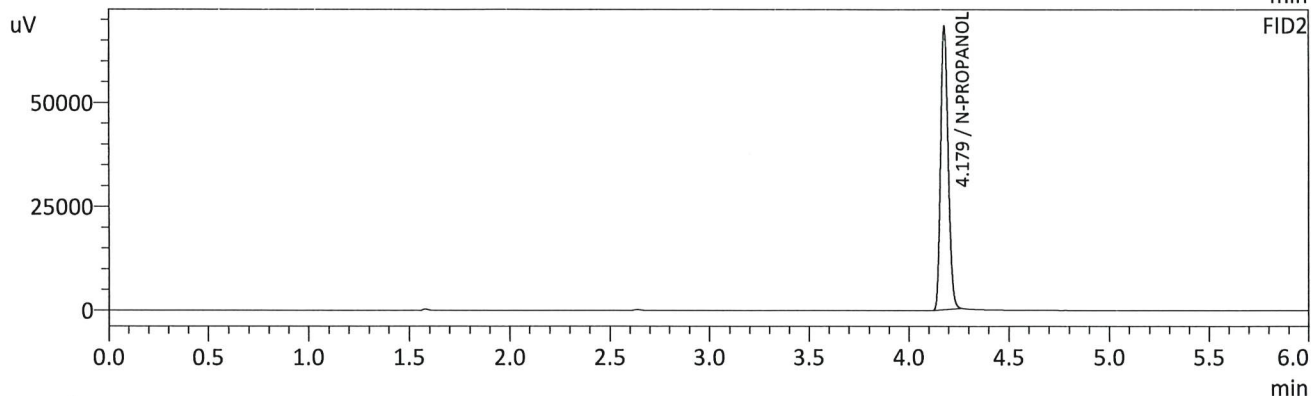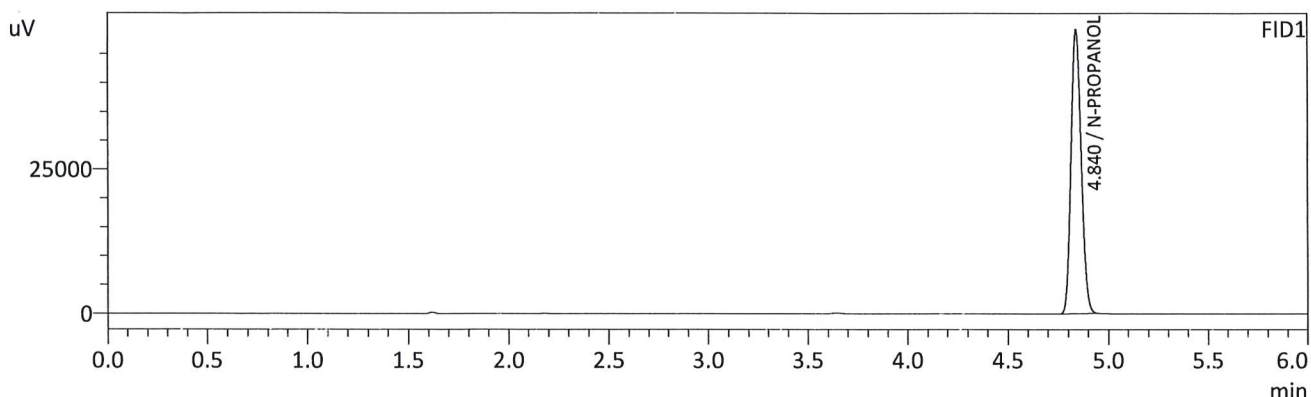C:\LabSolutions\Data\2023\2-16-23 TS\ALCOHOL.gcm

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	172841	48933
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	180243	68187
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

_TS_

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:(R)	ALCOHOL.gcm	0.050_2162023_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL.gcm	0.100_2162023_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL.gcm	0.200_2162023_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL.gcm	0.300_2162023_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL.gcm	0.500_2162023_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL.gcm	INT STD BLK 1_2162023_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL.gcm	MULTI-COMP MIX_2162023_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL.gcm	INT STD BLK 2_2162023_008.gcd	0
9	QC1-1-A	0:Unknown	ALCOHOL.gcm	QC1-1-A_2162023_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL.gcm	QC1-1-B_2162023_010.gcd	0
11	0.08 QA - A	0:Unknown	ALCOHOL.gcm	0.08 QA - A_2162023_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL.gcm	0.08 QA - B_2162023_012.gcd	0
13	P2023-0409-1-A	0:Unknown	ALCOHOL.gcm	P2023-0409-1-A_2162023_013.gcd	0
14	P2023-0409-1-B	0:Unknown	ALCOHOL.gcm	P2023-0409-1-B_2162023_014.gcd	0
15	P2023-0410-1-A	0:Unknown	ALCOHOL.gcm	P2023-0410-1-A_2162023_015.gcd	0
16	P2023-0410-1-B	0:Unknown	ALCOHOL.gcm	P2023-0410-1-B_2162023_016.gcd	0
17	P2023-0427-1-A	0:Unknown	ALCOHOL.gcm	P2023-0427-1-A_2162023_017.gcd	0
18	P2023-0427-1-B	0:Unknown	ALCOHOL.gcm	P2023-0427-1-B_2162023_018.gcd	0
19	P2023-0433-1-A	0:Unknown	ALCOHOL.gcm	P2023-0433-1-A_2162023_019.gcd	0
20	P2023-0433-1-B	0:Unknown	ALCOHOL.gcm	P2023-0433-1-B_2162023_020.gcd	0
21	P2023-0433-2-A	0:Unknown	ALCOHOL.gcm	P2023-0433-2-A_2162023_021.gcd	0
22	P2023-0433-2-B	0:Unknown	ALCOHOL.gcm	P2023-0433-2-B_2162023_022.gcd	0
23	P2023-0433-3-A	0:Unknown	ALCOHOL.gcm	P2023-0433-3-A_2162023_023.gcd	0
24	P2023-0433-3-B	0:Unknown	ALCOHOL.gcm	P2023-0433-3-B_2162023_024.gcd	0
25	P2023-0433-4-A	0:Unknown	ALCOHOL.gcm	P2023-0433-4-A_2162023_025.gcd	0
26	P2023-0433-4-B	0:Unknown	ALCOHOL.gcm	P2023-0433-4-B_2162023_026.gcd	0
27	P2023-0439-1-A	0:Unknown	ALCOHOL.gcm	P2023-0439-1-A_2162023_027.gcd	0
28	P2023-0439-1-B	0:Unknown	ALCOHOL.gcm	P2023-0439-1-B_2162023_028.gcd	0
29	P2023-0440-1-A	0:Unknown	ALCOHOL.gcm	P2023-0440-1-A_2162023_029.gcd	0
30	P2023-0440-1-B	0:Unknown	ALCOHOL.gcm	P2023-0440-1-B_2162023_030.gcd	0
31	QC2-1-A	0:Unknown	ALCOHOL.gcm	QC2-1-A_2162023_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL.gcm	QC2-1-B_2162023_032.gcd	0
33	P2023-0442-1-A	0:Unknown	ALCOHOL.gcm	P2023-0442-1-A_2162023_033.gcd	0
34	P2023-0442-1-B	0:Unknown	ALCOHOL.gcm	P2023-0442-1-B_2162023_034.gcd	0
35	P2023-0450-1-A	0:Unknown	ALCOHOL.gcm	P2023-0450-1-A_2162023_035.gcd	0
36	P2023-0450-1-B	0:Unknown	ALCOHOL.gcm	P2023-0450-1-B_2162023_036.gcd	0
37	P2023-0459-1-A	0:Unknown	ALCOHOL.gcm	P2023-0459-1-A_2162023_037.gcd	0
38	P2023-0459-1-B	0:Unknown	ALCOHOL.gcm	P2023-0459-1-B_2162023_038.gcd	0
39	P2023-0460-1-A	0:Unknown	ALCOHOL.gcm	P2023-0460-1-A_2162023_039.gcd	0
40	P2023-0460-1-B	0:Unknown	ALCOHOL.gcm	P2023-0460-1-B_2162023_040.gcd	0
41	P2023-0462-1-A	0:Unknown	ALCOHOL.gcm	P2023-0462-1-A_2162023_041.gcd	0
42	P2023-0462-1-B	0:Unknown	ALCOHOL.gcm	P2023-0462-1-B_2162023_042.gcd	0
43	P2023-0474-1-A	0:Unknown	ALCOHOL.gcm	P2023-0474-1-A_2162023_043.gcd	0
44	P2023-0474-1-B	0:Unknown	ALCOHOL.gcm	P2023-0474-1-B_2162023_044.gcd	0
45	P2023-0476-1-A	0:Unknown	ALCOHOL.gcm	P2023-0476-1-A_2162023_045.gcd	0
46	P2023-0476-1-B	0:Unknown	ALCOHOL.gcm	P2023-0476-1-B_2162023_046.gcd	0
47	P2023-0483-1-A	0:Unknown	ALCOHOL.gcm	P2023-0483-1-A_2162023_047.gcd	0
48	P2023-0483-1-B	0:Unknown	ALCOHOL.gcm	P2023-0483-1-B_2162023_048.gcd	0
49	P2023-0484-1-A	0:Unknown	ALCOHOL.gcm	P2023-0484-1-A_2162023_049.gcd	0
50	P2023-0484-1-B	0:Unknown	ALCOHOL.gcm	P2023-0484-1-B_2162023_050.gcd	0
51	P2023-0485-1-A	0:Unknown	ALCOHOL.gcm	P2023-0485-1-A_2162023_051.gcd	0
52	P2023-0485-1-B	0:Unknown	ALCOHOL.gcm	P2023-0485-1-B_2162023_052.gcd	0

TS

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
53	QC1-2-A	0:Unknown	ALCOHOL.gcm	QC1-2-A_2162023_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL.gcm	QC1-2-B_2162023_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL.gcm	INT STD BLK 3_2162023_055.gcd	0
56	DFE	0:Unknown	ALCOHOL.gcm	DFE_2162023_056.gcd	0
57	INT STD BLK 5	0:Unknown	ALCOHOL.gcm	INT STD BLK 5_2162023_057.gcd	0