Worklist: 6539

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2023-3119	1	BCK	Alcohol Analysis	
P2023-3276	1	BCK	Alcohol Analysis	
P2023-3289	1	BCK	Alcohol Analysis	
P2023-3295	1	BCK	Alcohol Analysis	
P2023-3296	1	BCK	Alcohol Analysis	
P2023-3297	1	BCK	Alcohol Analysis	
P2023-3301	1	BCK	Alcohol Analysis	
P2023-3303	1	BCK	Alcohol Analysis	
P2023-3308	1	BCK	Alcohol Analysis	
P2023-3318	1	BLOOD	Alcohol Analysis	
P2023-3319	1	BLOOD	Alcohol Analysis	
P2023-3321	1	BLOOD	Alcohol Analysis	
P2023-3324	1	BCK	Alcohol Analysis	
P2023-3325	1	BCK	Alcohol Analysis	
P2023-3340	1	BCK	Alcohol Analysis	
P2023-3345	1	BCK	Alcohol Analysis	
P2023-3346	1	BCK	Alcohol Analysis	
P2023-3347	1	BCK	Alcohol Analysis	
P2023-3365	1	BCK	Alcohol Analysis	
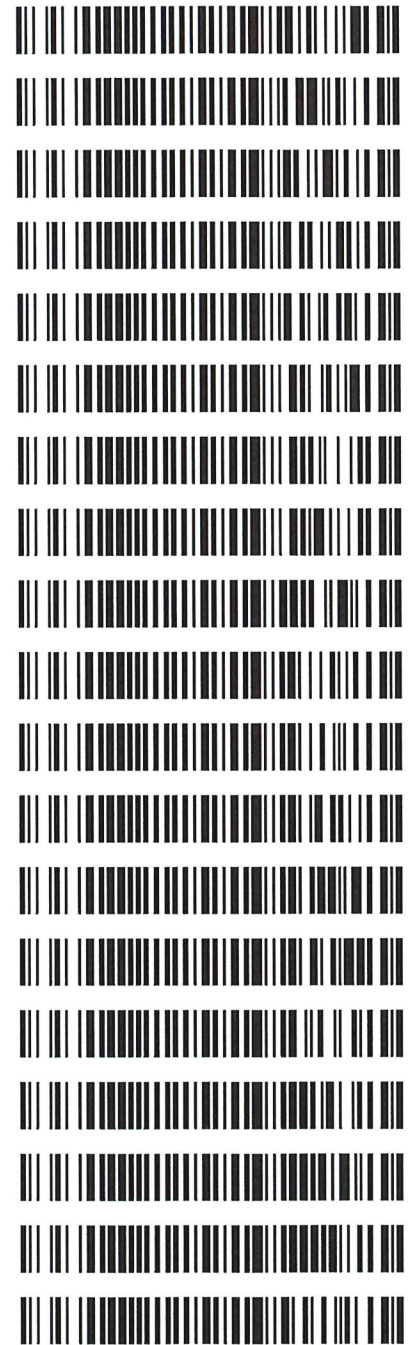
REVIEWED
By Jeremy Johnston at 10:27 am, Oct 26, 2023

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):		10/24/2023
			Calibration Date: *(if different)*		10/16/2023
			Worklist #:		6539

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0828 g/100cc
					0.0922 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2082 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99996	Column2	0.99941

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0508	0.0540	0.0032	0.0524
100	0.100	0.090 - 0.110	0.1003	0.1007	0.0004	0.1005
200	0.200	0.180 - 0.220	0.1991	0.1963	0.0028	0.1977
300	0.300	0.270 - 0.330	0.2987	0.2947	0.004	0.2967
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5009	0.5040	0.0031	0.5024

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 #:	6539	Run Date(s):	10/24/2023

Internal Standard Solution:		Prep Date:	9/29/2023	Exp Date:	3/29/2024

Sample Name	Column 1 Value	Column 2 Value
0.080	170093	171161
0.080	168867	169858
QC1	170701	170600
QC1	170114	171298
QC1	173365	176029
QC1	170254	172904
QC1		
QC1		
QC2	165905	168656
QC2	165724	168261
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	169377.9	135502.3	203253.5
Column 2	171095.9	136876.7	205315.1

===

Calibration Table

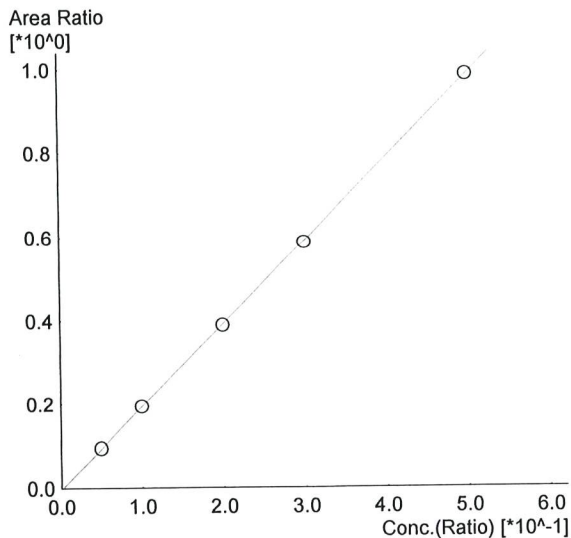===

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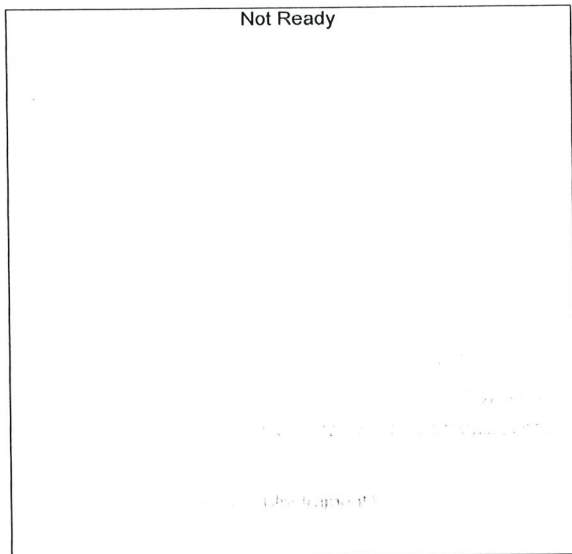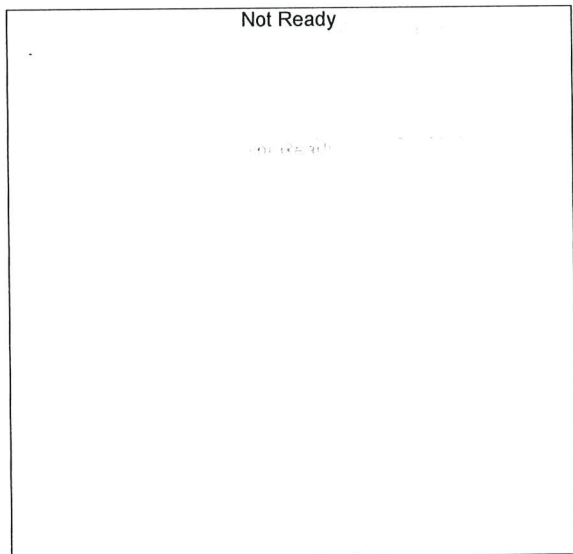
Name : ACETALDEHYDE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

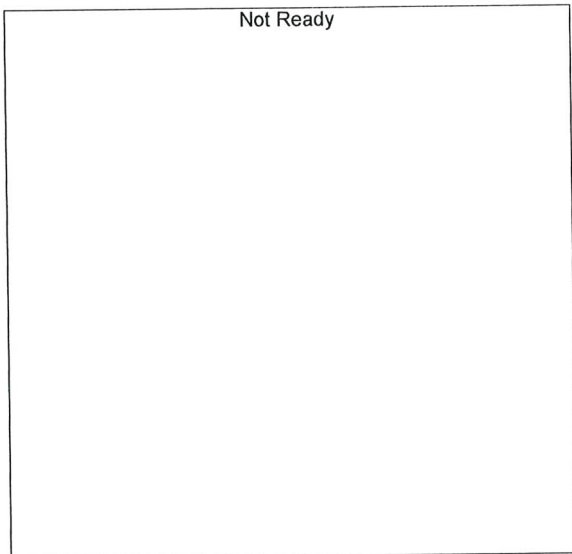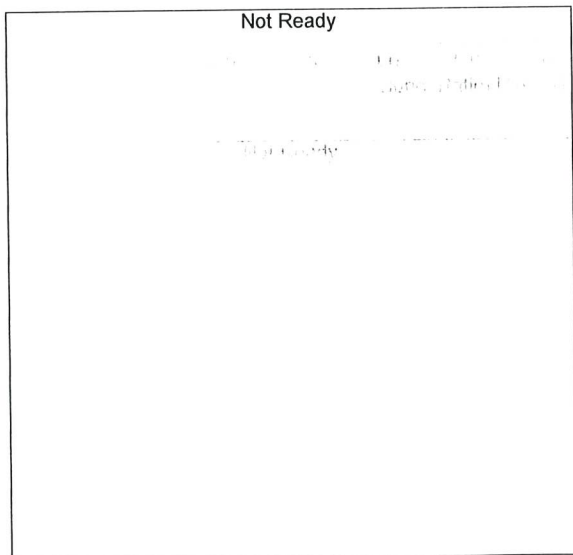**Name : ETHANOL**
Detector Name: FID1
Function : f(x)=1.97529*x-0.00452545
R^2 value= 0.9999687
FitType: Linear
ZeroThrough: Not Through

Area Ratio
[*10^0]

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	16083	0.0508	0.050_10162023_001.gcd
2	0.100	32882	0.1003	0.100_10162023_002.gcd
3	0.200	66612	0.1991	0.200_10162023_003.gcd
4	0.300	100695	0.2987	0.300_10162023_004.gcd
5	0.500	169684	0.5009	0.500_10162023_005.gcd

Not Ready

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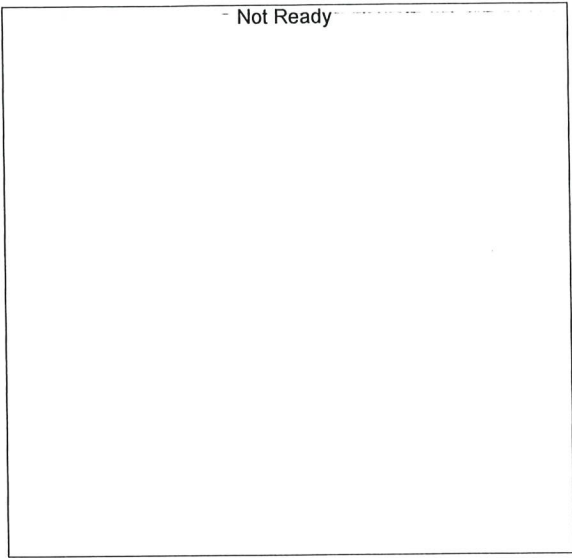R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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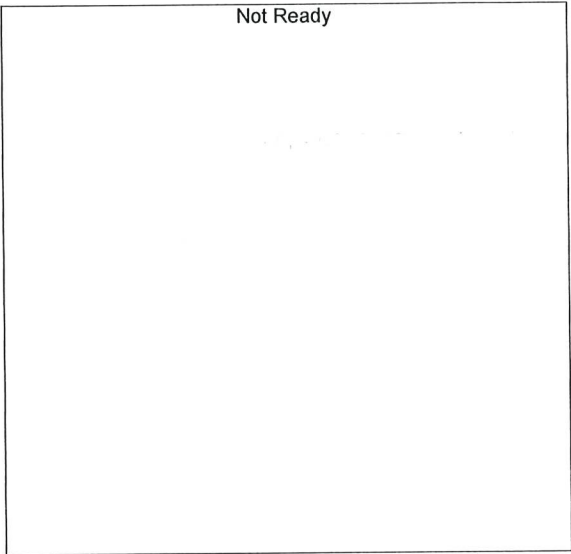R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

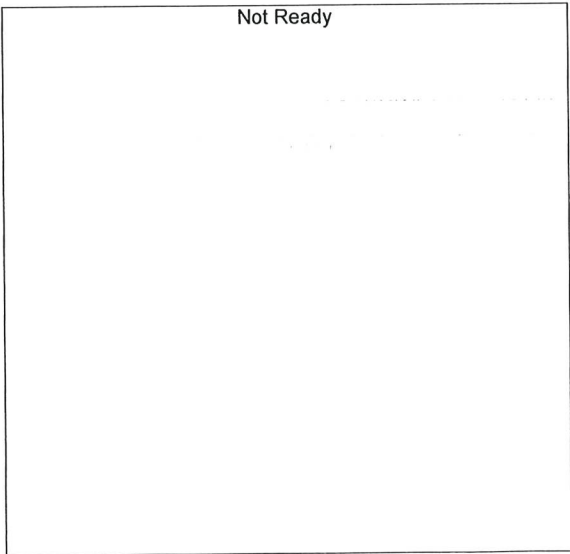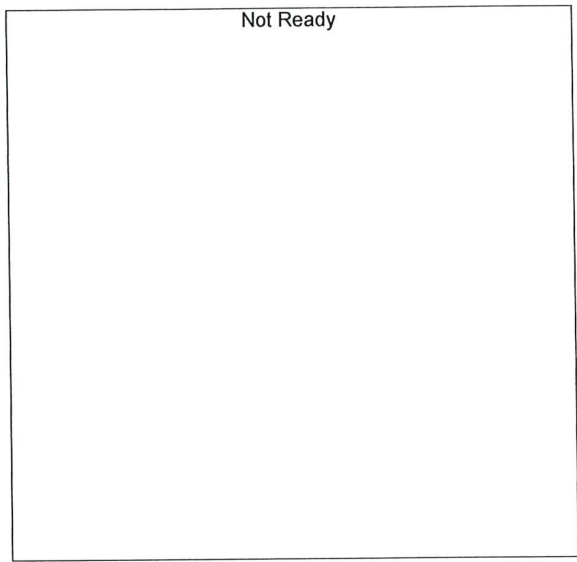| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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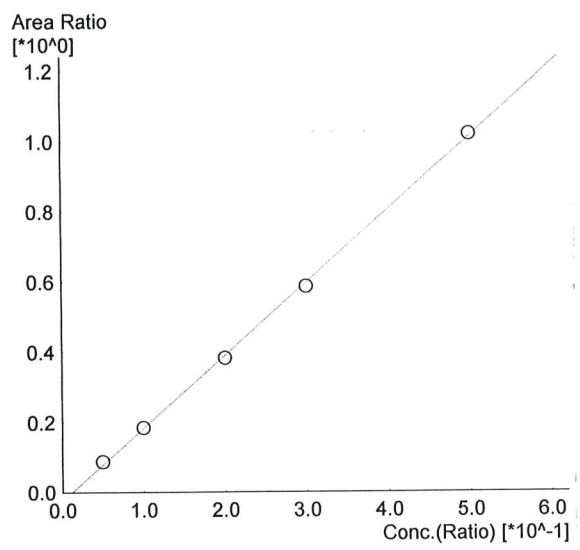R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

TS

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]

Conc.(Ratio) [*10^-1]

Name : ETHANOL
Detector Name: FID2
Function : f(x)=2.07265*x-0.0244827 ✓
R^2 value= 0.9994195
FitType: Linear
ZeroThrough: Not Through

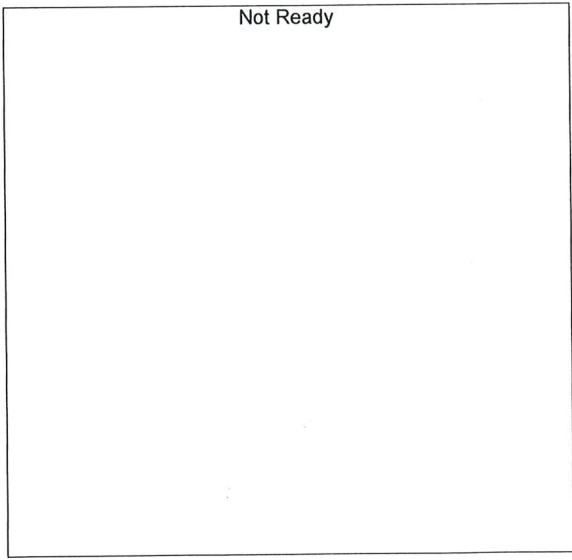| #	Conc.	Area	Std. Conc.	Data File Name
1	0.050	14672	0.0540	0.050_10162023_001.gcd
2	0.100	31193	0.1007	0.100_10162023_002.gcd
3	0.200	65392	0.1963	0.200_10162023_003.gcd
4	0.300	100644	0.2947	0.300_10162023_004.gcd
5	0.500	175113	0.5040	0.500_10162023_005.gcd

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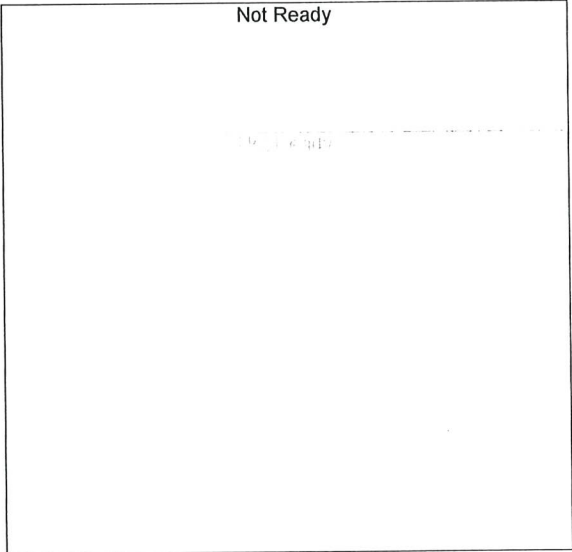
Name : TFE
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

TS

Sample Name   : 0.050
Vial #   : 1
Data Filename   : 0.050_10162023_001.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename : BATCH_101623_ts.gcb
Date Acquired   : 10/16/2023 1:46:06 PM
Date Processed : 10/25/2023 10:40:16 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
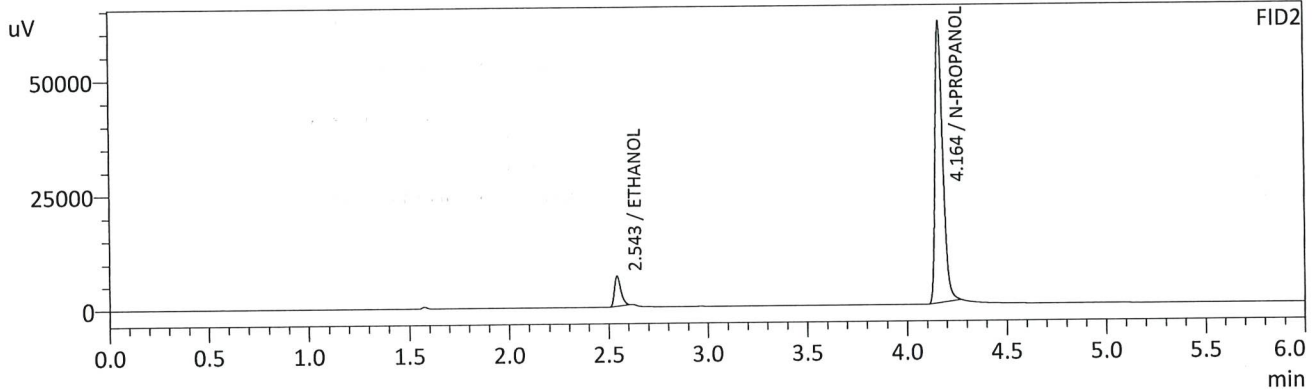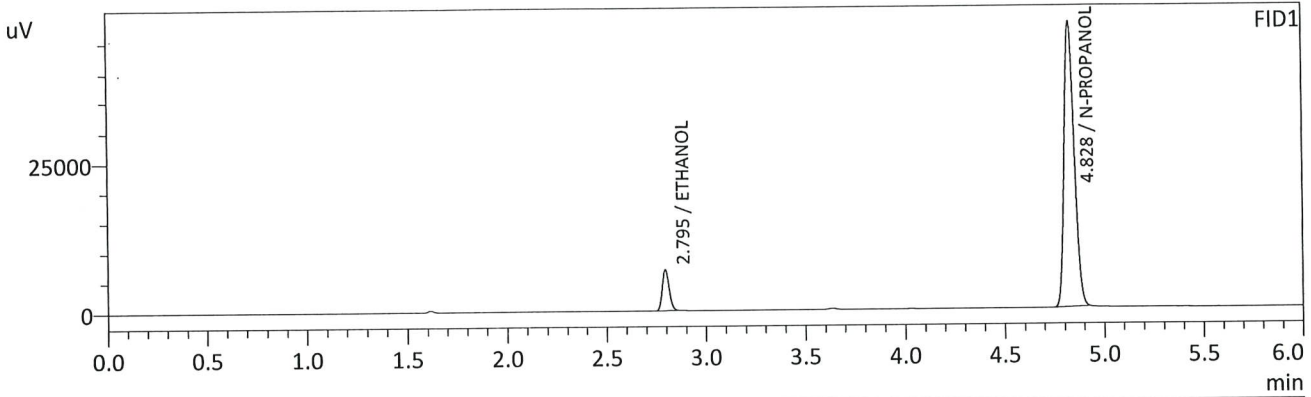
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0508	g/100cc	16083	6804
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167652	47551
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0540	g/100cc	14672	6667
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167428	61192
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_10162023_002.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_101623_ts.gcb
Date Acquired   : 10/16/2023 1:55:35 PM
Date Processed   : 10/25/2023 10:40:20 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
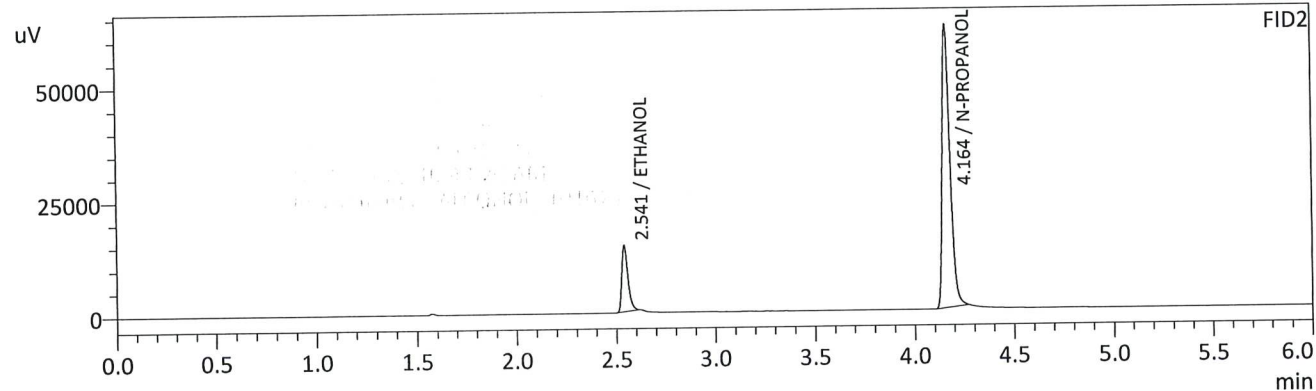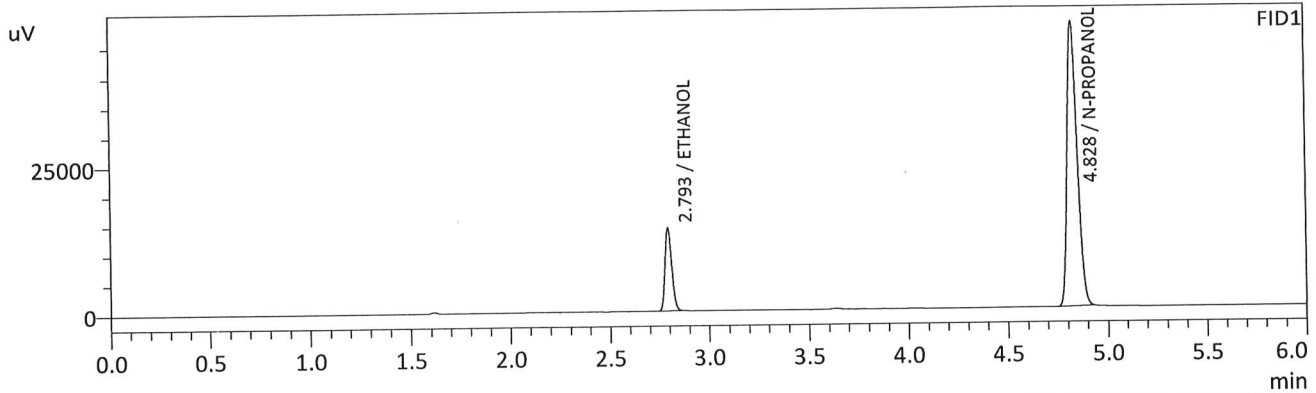
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	32882	13993
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169838	48012
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1007	g/100cc	31193	14526
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169230	61910
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name　　　: 0.200
Vial #　　　　　　: 3
Data Filename　　 : 0.200_10162023_003.gcd
Method Filename　 : ALCOHOL_101623_TS.gcm
Batch Filename　　: BATCH_101623_ts.gcb
Date Acquired　　 : 10/16/2023 2:04:56 PM
Date Processed　　: 10/25/2023 10:40:23 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1991	g/100cc	66612	28332
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171312	48624
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1963	g/100cc	65392	30700
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170954	62545
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_10162023_004.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_101623_ts.gcb
Date Acquired   : 10/16/2023 2:14:41 PM
Date Processed   : 10/25/2023 10:40:26 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
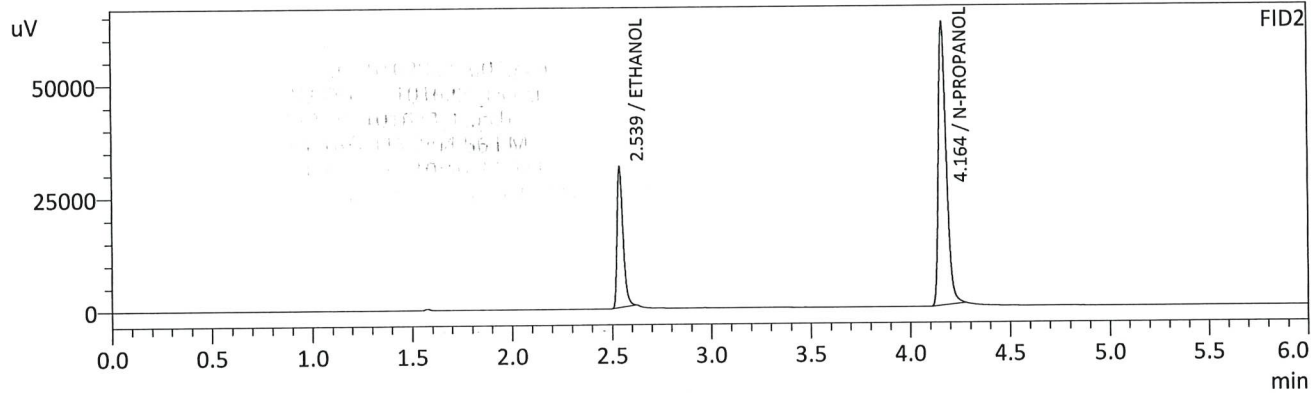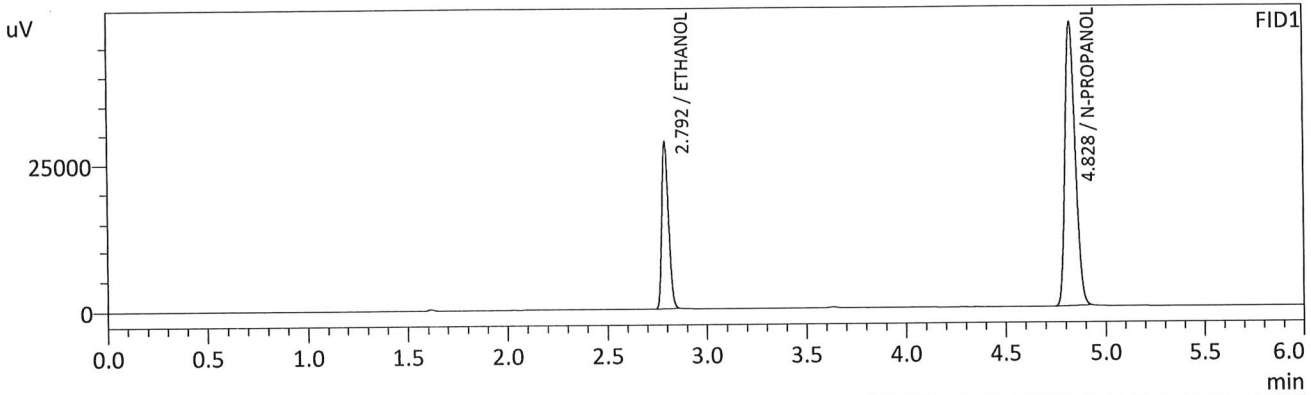

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2987	g/100cc	100695	42862
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171951	48786
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2947	g/100cc	100644	48175
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171618	63152
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_10162023_005.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_101623_ts.gcb
Date Acquired   : 10/16/2023 2:24:12 PM
Date Processed   : 10/25/2023 10:40:30 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
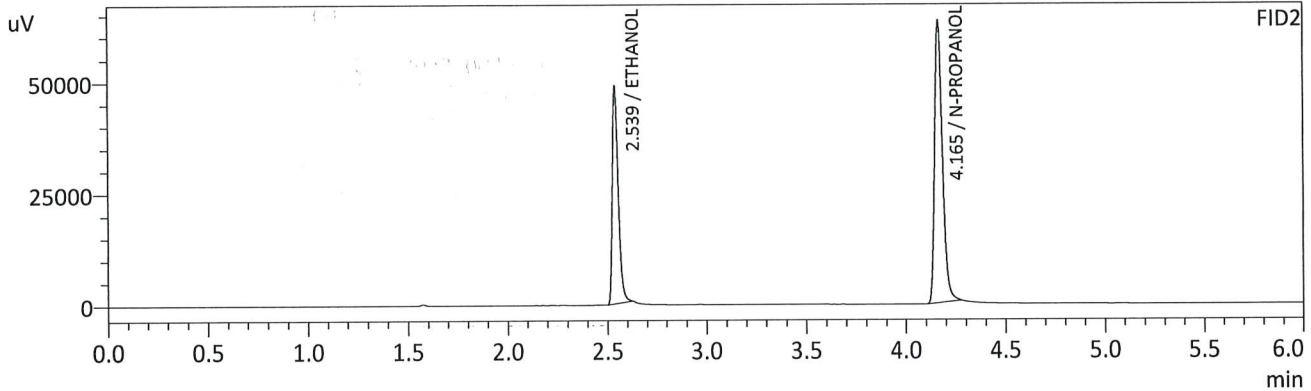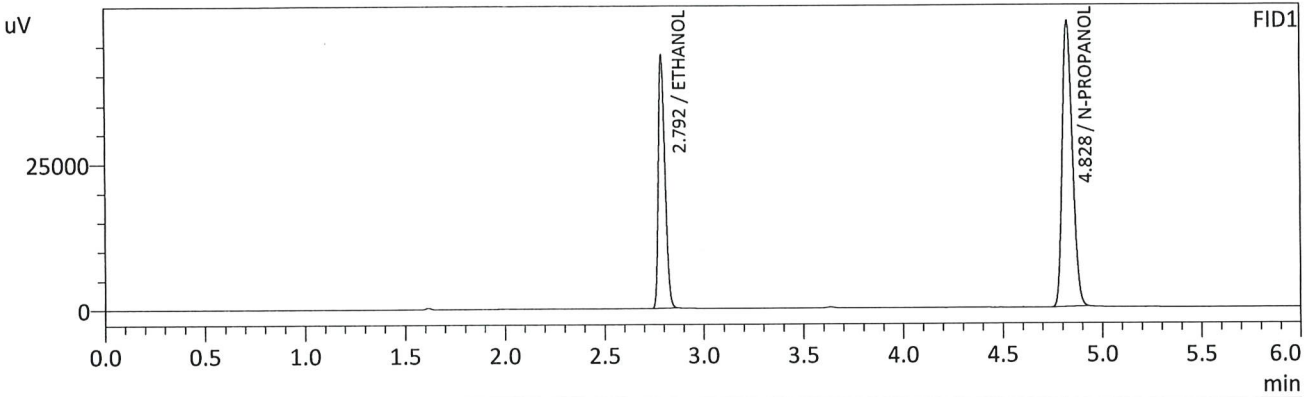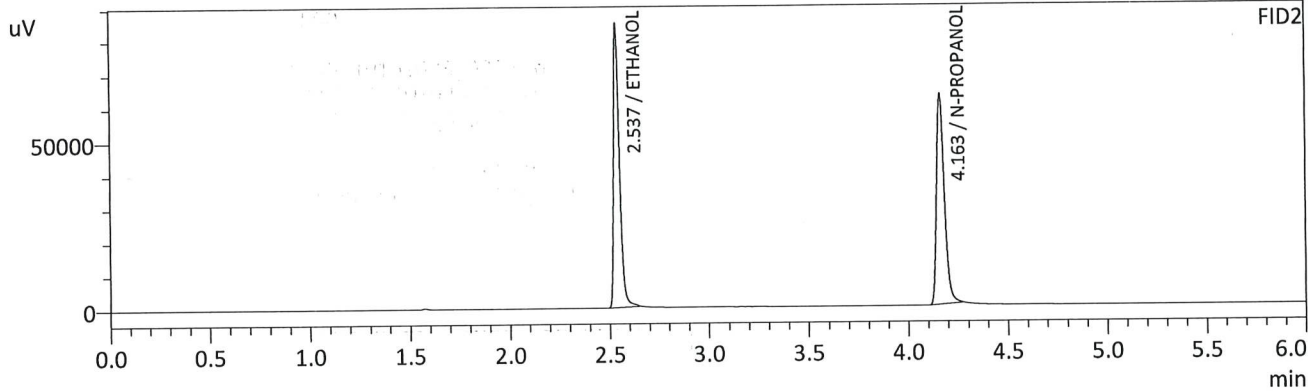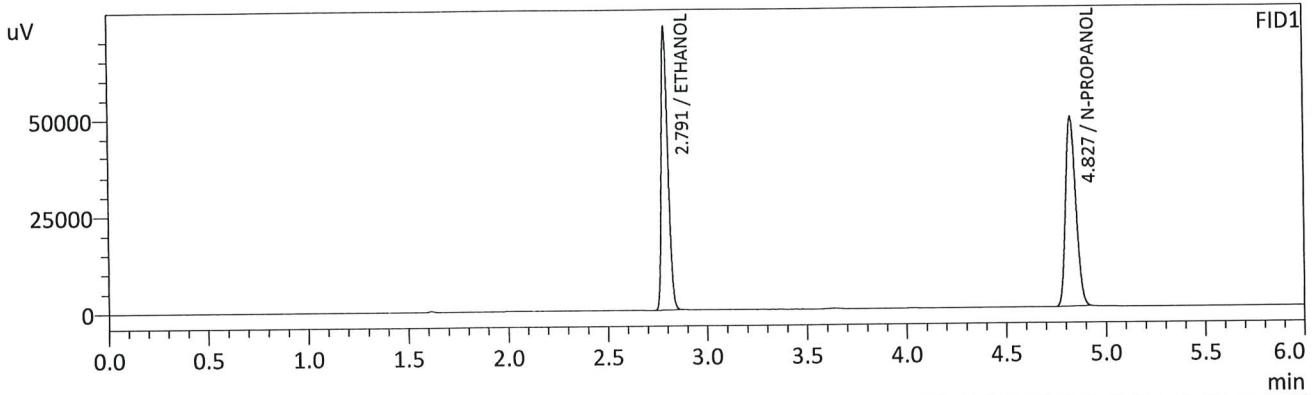

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5009	g/100cc	169684	72466
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172271	48898
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5040	g/100cc	175113	84714
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171643	62590
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 1
Data Filename   : INT STD BLK 1_10242023_001.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:00:37 AM
Date Processed   : 10/24/2023 10:06:38 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
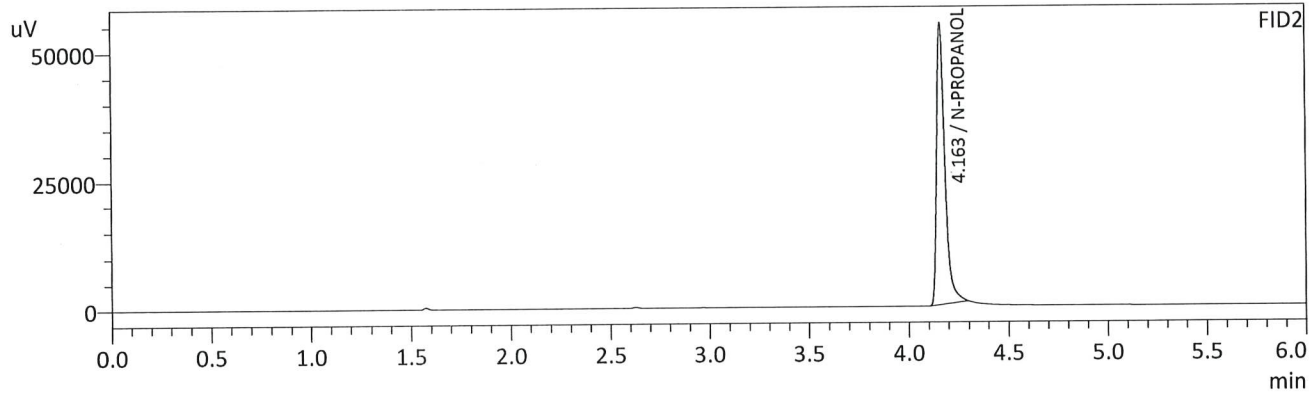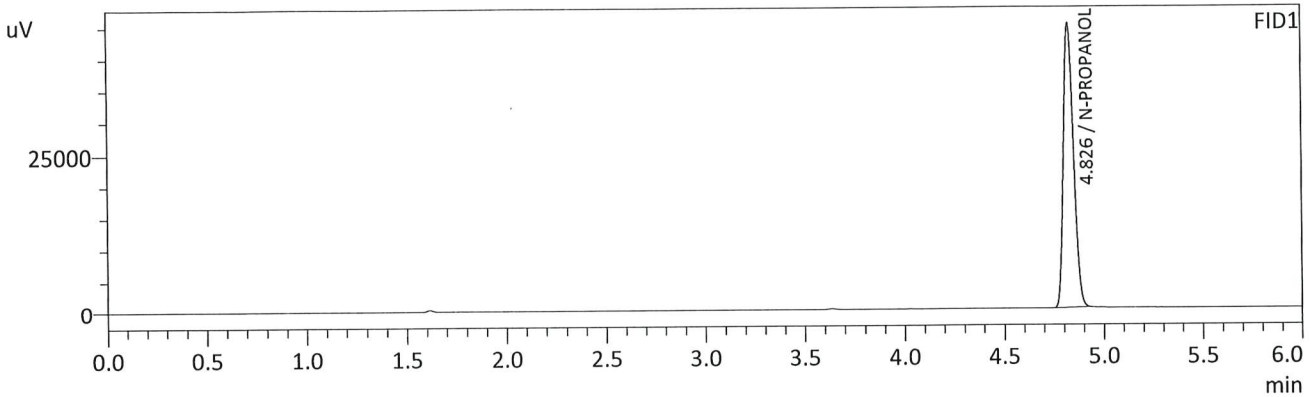
FID1

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	158776	44952
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	157404	54398
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 2
Data Filename   : MULTI-COMP MIX_10242023_002.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:10:06 AM
Date Processed   : 10/24/2023 10:16:08 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
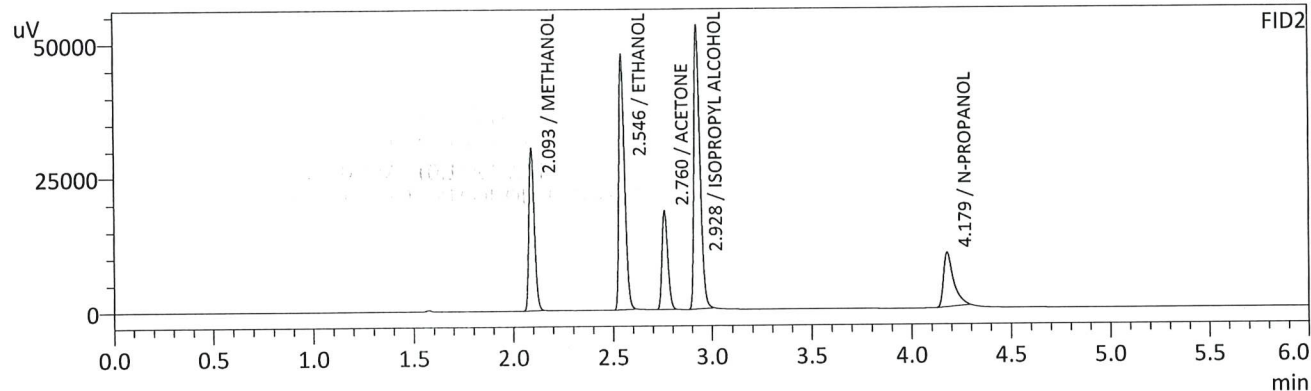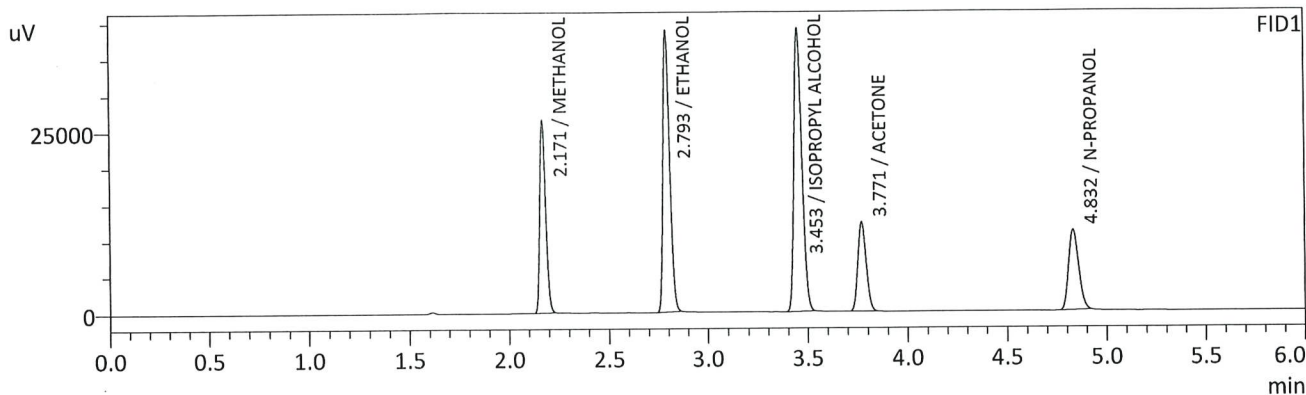
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	54815	26196
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	1.1849	g/100cc	90219	38577
ISOPROPYL ALCOHOL	0.0000	g/100cc	108812	38659
ACETONE	0.0000	g/100cc	35228	12174
N-PROPANOL	0.0000	g/100cc	38619	10995
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	57686	30243
ETHANOL	1.2909	g/100cc	94944	47525
ACETONE	0.0000	g/100cc	37010	18373
ISOPROPYL ALCOHOL	0.0000	g/100cc	112968	52766
N-PROPANOL	0.0000	g/100cc	35813	10135
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 2
Vial #   : 3
Data Filename   : INT STD BLK 2_10242023_003.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:19:27 AM
Date Processed   : 10/24/2023 10:25:28 AM
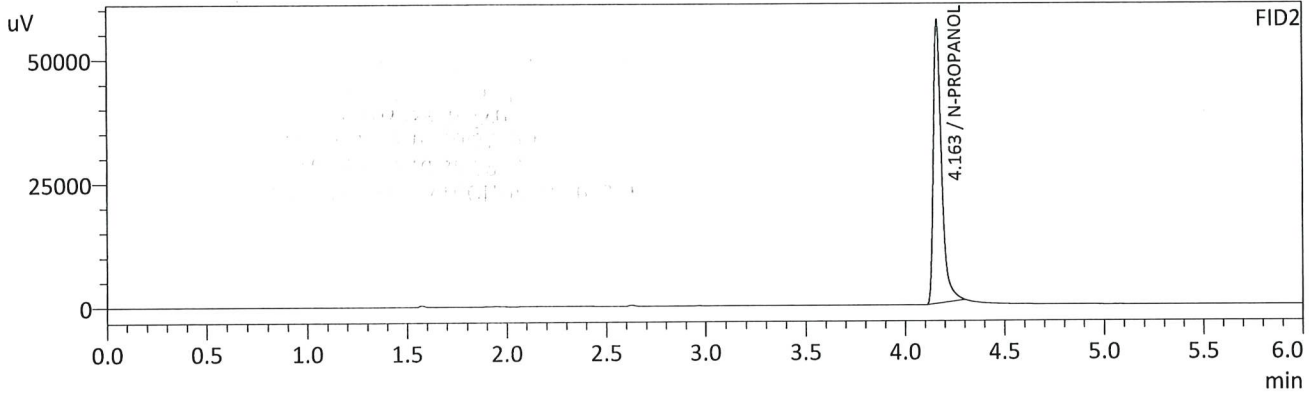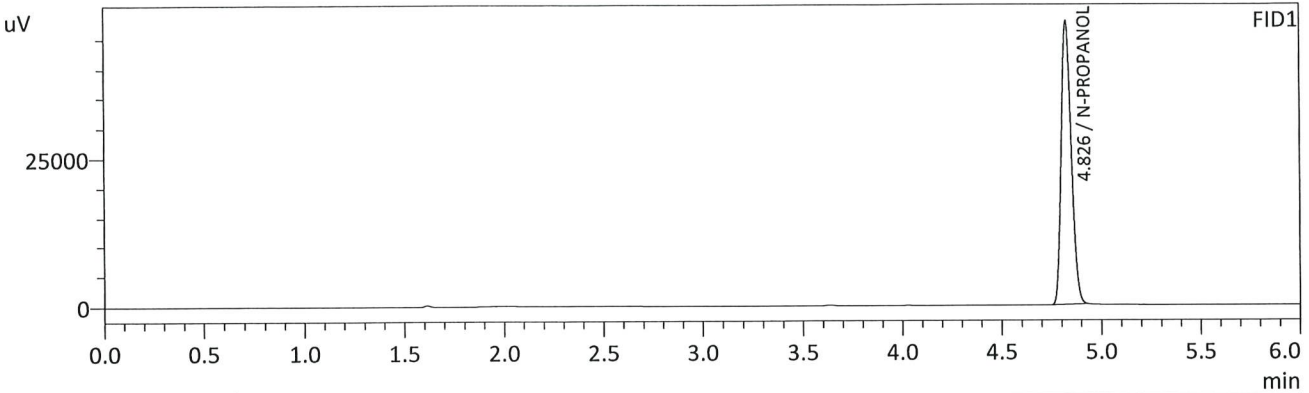Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

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	167712	47696
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	165095	56731
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1				Analysis Date(s): 10/24/2023 10:29:12 AM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0815	0.0870	0.0055	0.0842	0.0027	0.0828
(g/100cc)	0.0816	0.0814	0.0002	0.0815		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_101623_TS.gcm

Reporting of Results			Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean	
0.082	0.077	0.087	0.005	

	Reported Results	
	0.082	

Calibration and control data are stored centrally.

TS

Sample Name   : QC1-1
Vial #   : 4
Data Filename   : QC1-1_10242023_004.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:29:12 AM
Date Processed   : 10/24/2023 10:35:13 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
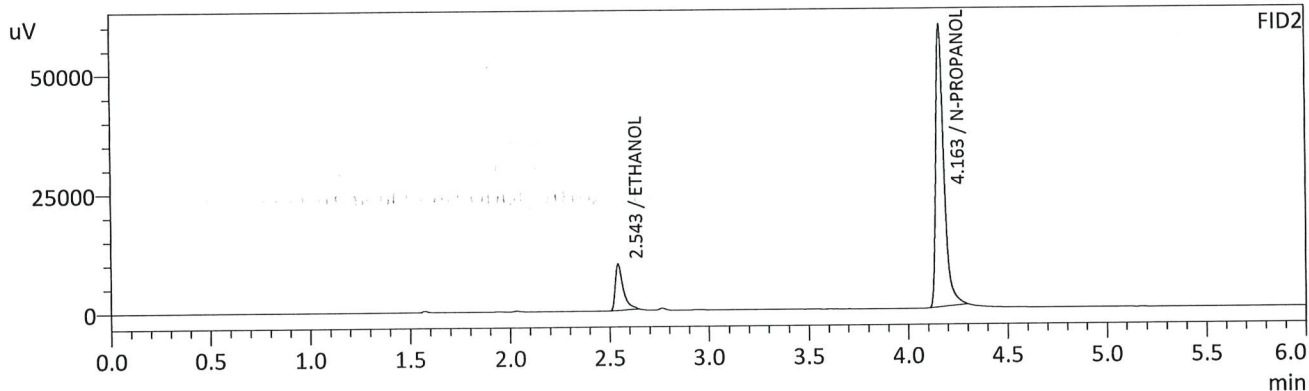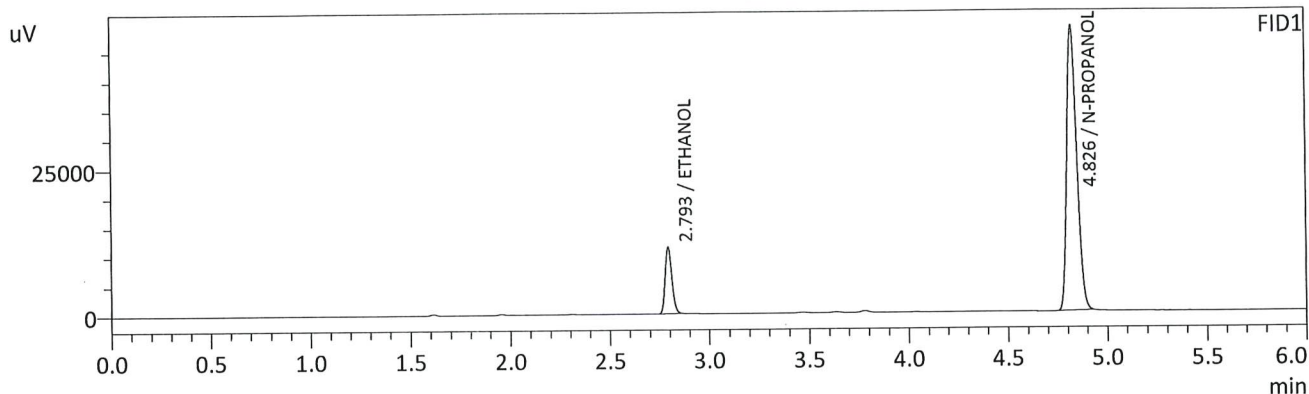
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	26713	11351
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170701	48435
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0870	g/100cc	26596	9615
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170600	59033
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 5
Data Filename   : QC1-1-B_10242023_005.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:38:43 AM
Date Processed   : 10/24/2023 10:44:45 AM
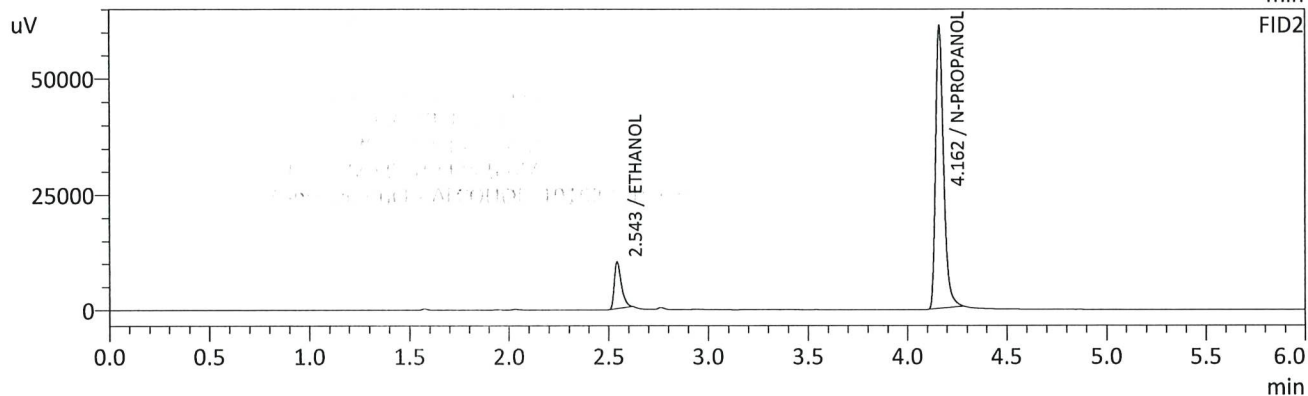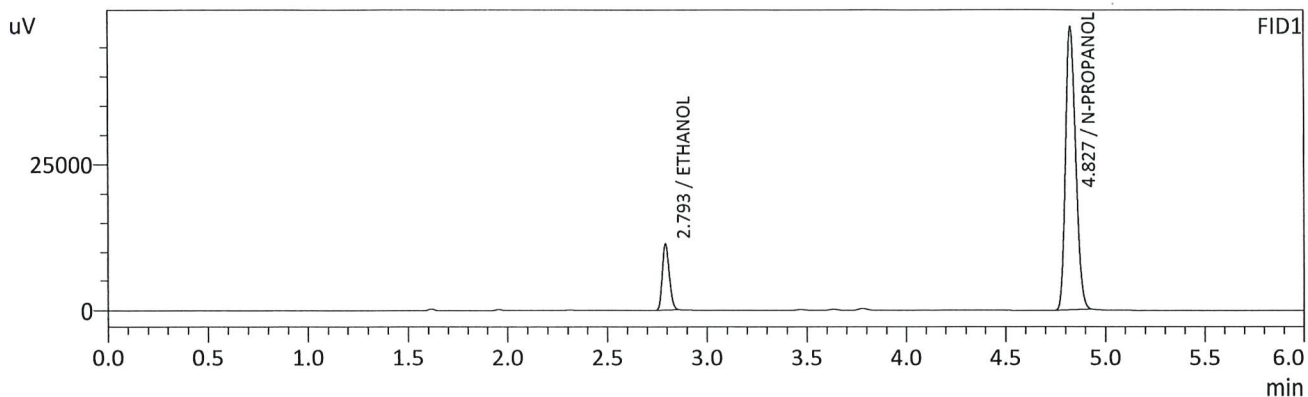Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	26663	11341
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170114	48349
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	24715	10079
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171298	60805
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA				Analysis Date(s): 10/24/2023 10:48:00 AM(-06:00)	
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0801	0.0812	0.0011	0.0806	0.0002	0.0807
(g/100cc)	0.0803	0.0813	0.0010	0.0808		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_101623_TS.gcm

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

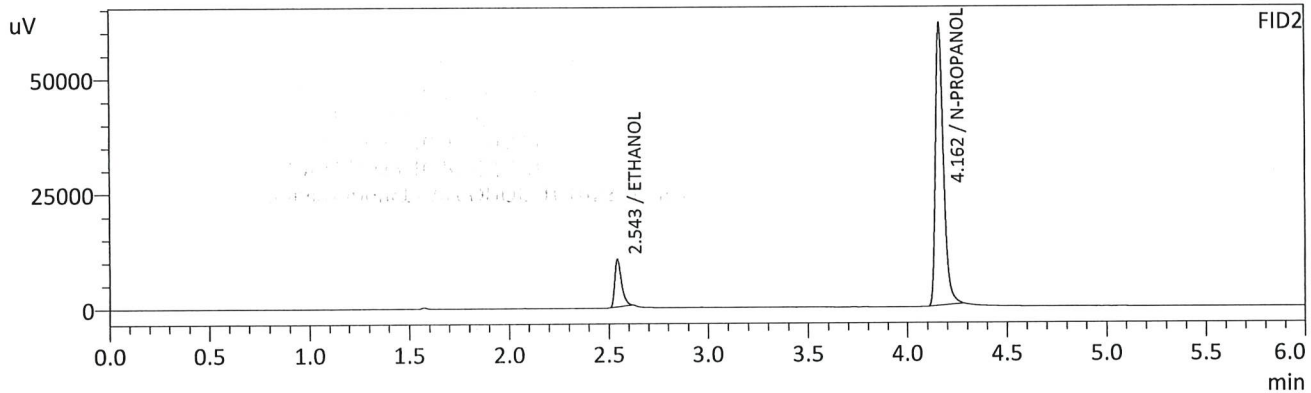|	Reported Results	
	0.080	

Calibration and control data are stored centrally.

Sample Name   : 0.08 QA
Vial #   : 6
Data Filename   : 0.08 QA _10242023_006.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:48:00 AM
Date Processed   : 10/24/2023 10:54:02 AM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
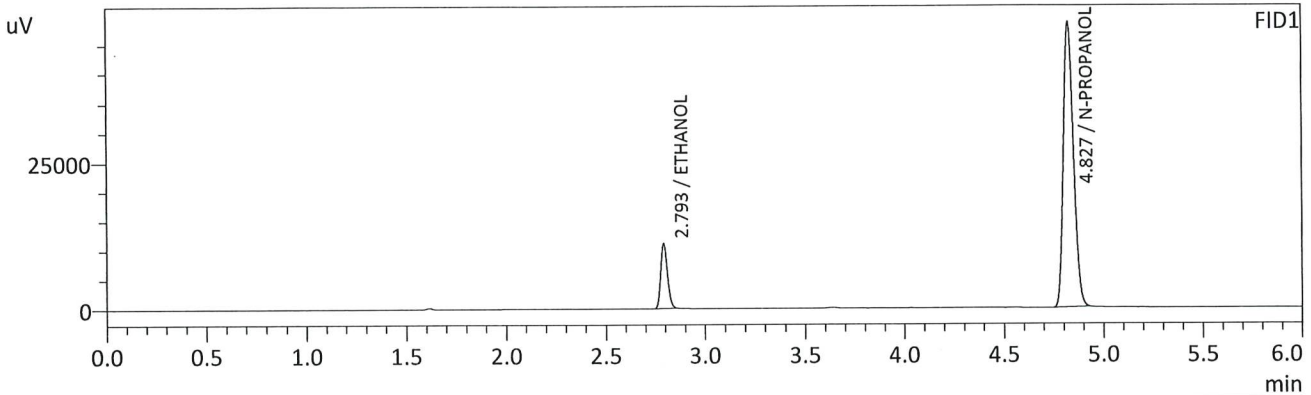
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0801	g/100cc	26172	11103
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170093	48385
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0812	g/100cc	24623	10324
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171161	61224
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : 0.08 QA - B
Vial #   : 7
Data Filename   : 0.08 QA - B_10242023_007.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 10:57:49 AM
Date Processed   : 10/24/2023 11:03:50 AM
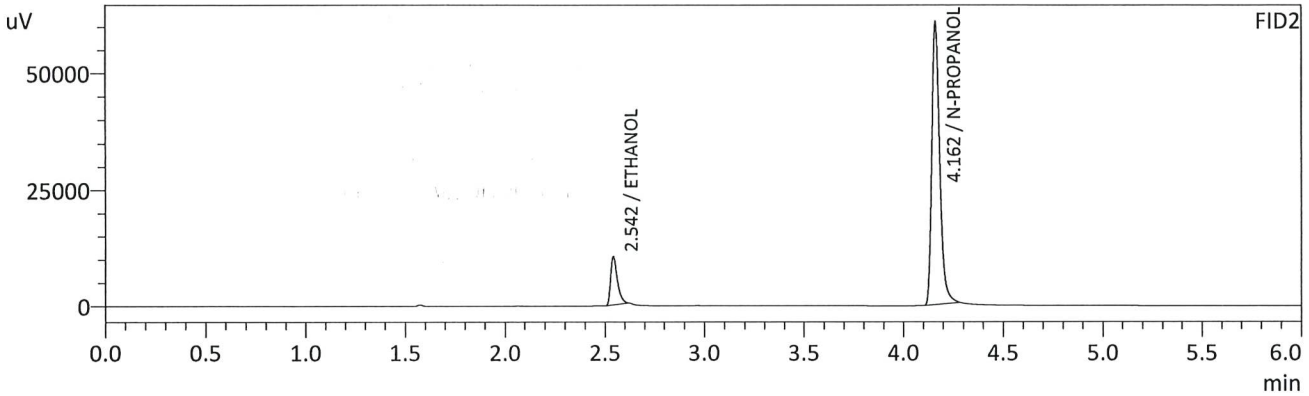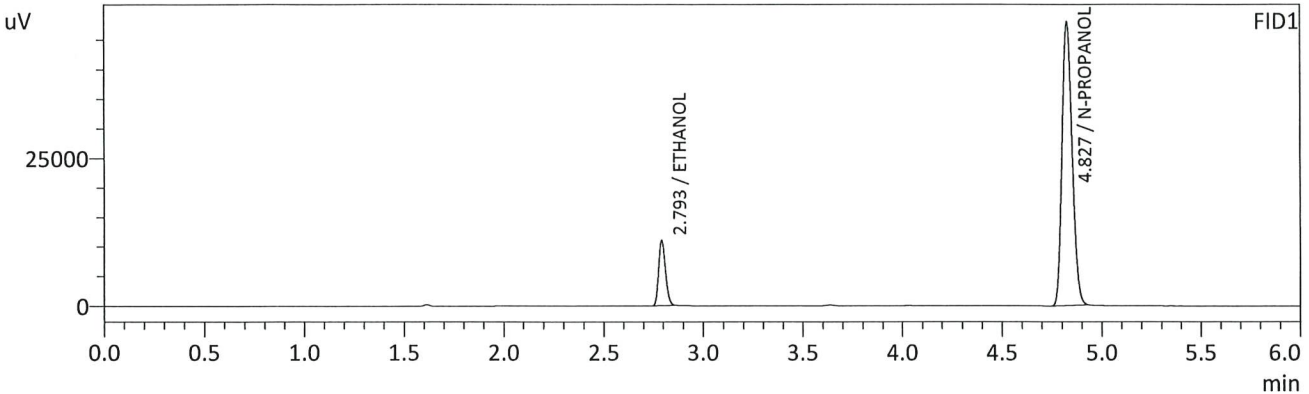Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	26040	11041
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168867	47912
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	24474	10369
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	169858	60647
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

| Laboratory No: QC2-1 | | | | Analysis Date(s): 10/24/2023 1:58:40 PM(-06:00) | | |

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2049	0.2093	0.0044	0.2071	0.0023	0.2082
(g/100cc)	0.2069	0.2119	0.0050	0.2094		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_101623_TS.gcm

Reporting of Results			Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean	
0.208	0.197	0.219	0.011	

	Reported Results	
	0.208	

Calibration and control data are stored centrally.

Sample Name   : QC2-1
Vial #   : 26
Data Filename   : QC2-1_10242023_026.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 1:58:40 PM
Date Processed   : 10/24/2023 2:04:42 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm
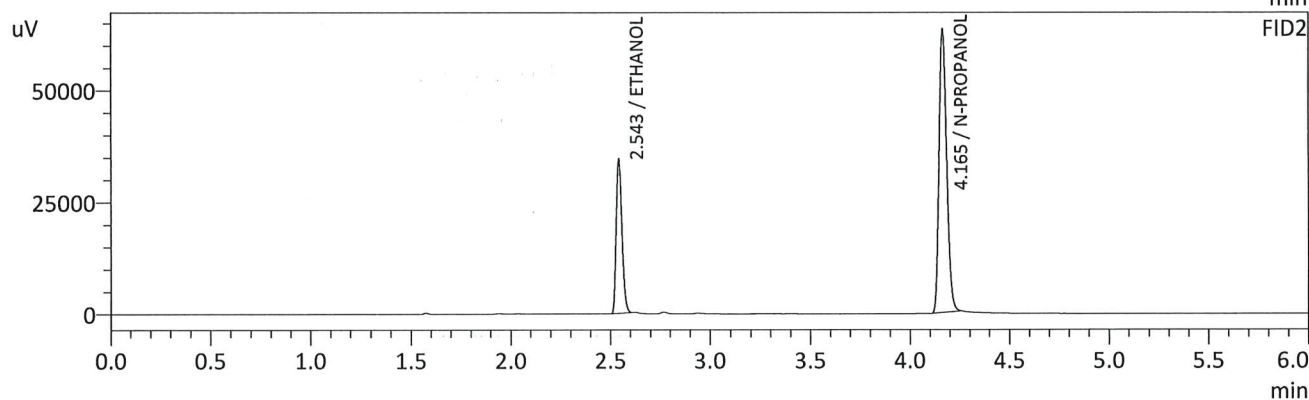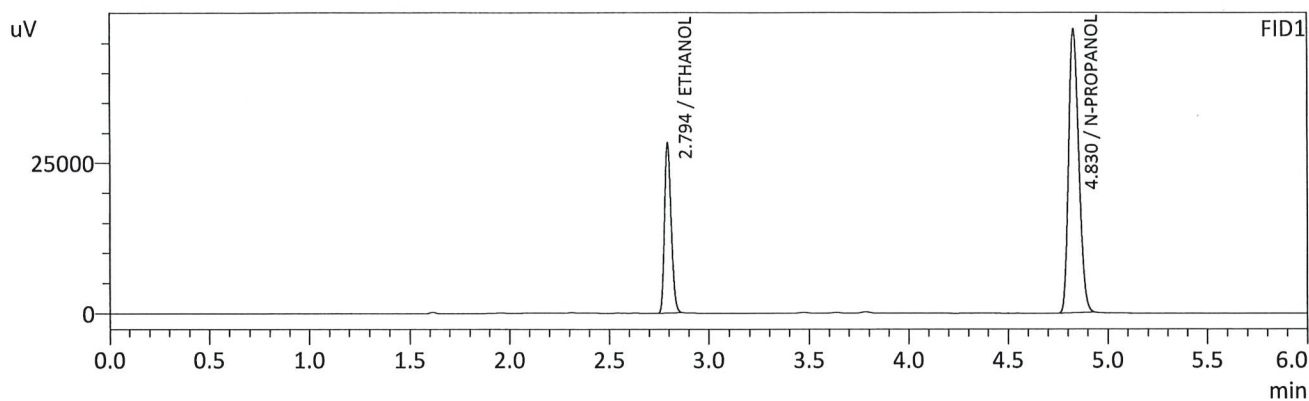
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2049	g/100cc	66415	28198
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165905	47069
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2093	g/100cc	69057	34346
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168656	63390
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : QC2-1-B
Vial #   : 27
Data Filename   : QC2-1-B_10242023_027.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 2:07:57 PM
Date Processed   : 10/24/2023 2:13:58 PM
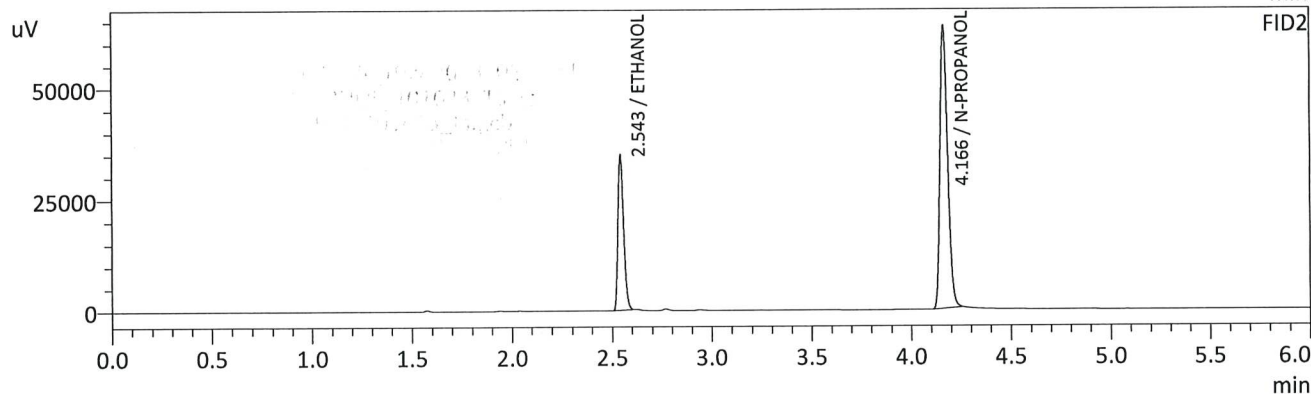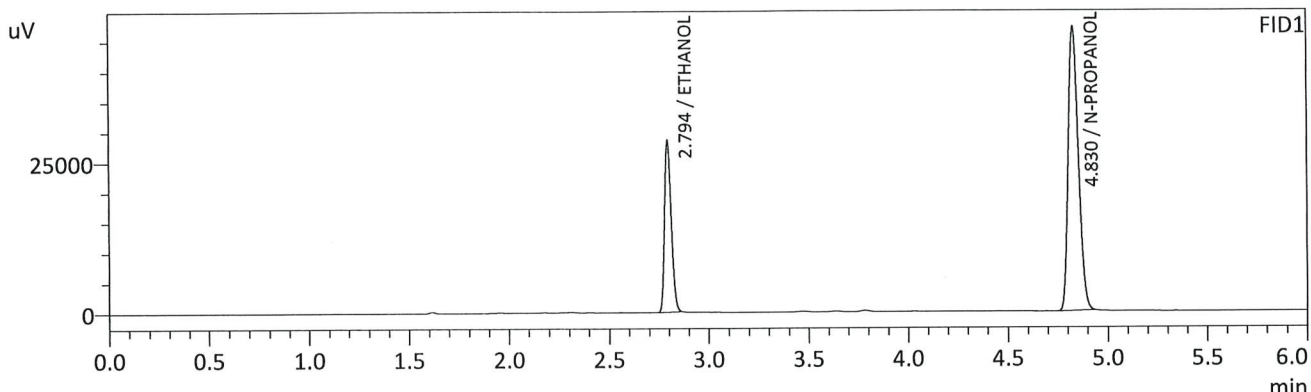Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2069	g/100cc	66988	28435
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165724	46838
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2119	g/100cc	69802	34546
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168261	63474
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2				Analysis Date(s): 10/24/2023 5:27:51 PM(-06:00)		
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0890	0.0959	0.0069	0.0924	0.0004	0.0922
(g/100cc)	0.0886	0.0954	0.0068	0.0920		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_101623_TS.gcm

Reporting of Results			Uncertainty of Measurements (UM%): 5.00%	
Overall Mean (g/100cc)	Low	High	5 % of Mean	
0.092	0.087	0.097	0.005	

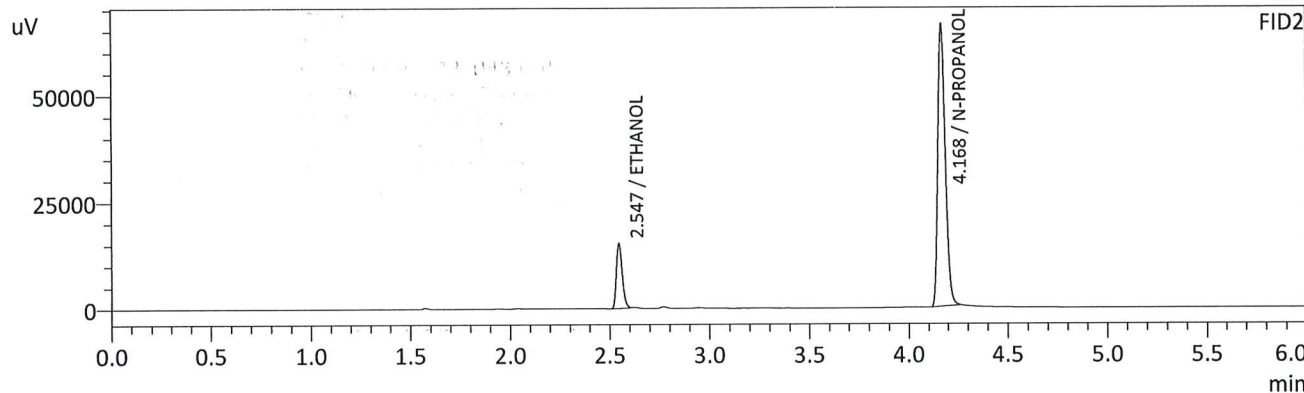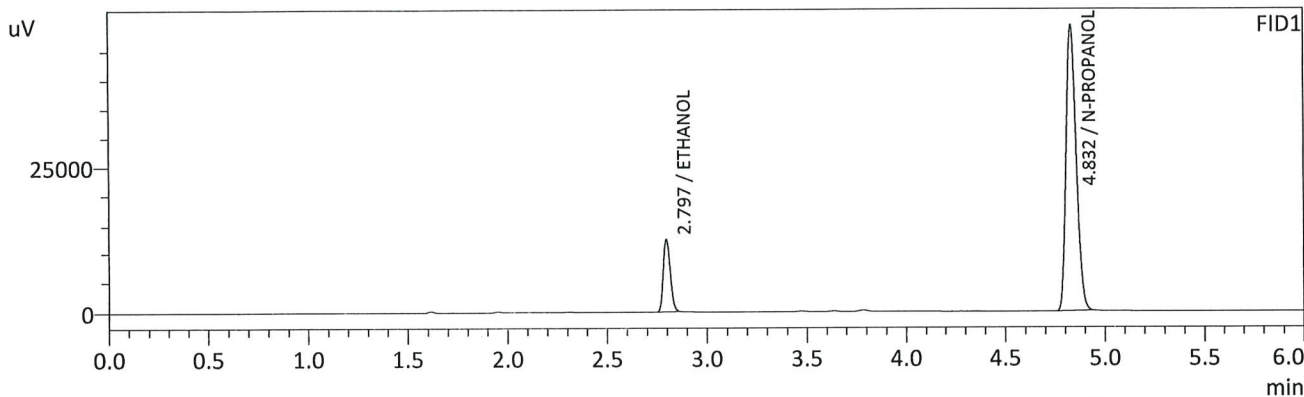|	Reported Results	
	0.092	

Calibration and control data are stored centrally.

Sample Name   : QC1-2
Vial #   : 48
Data Filename   : QC1-2_10242023_048.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 5:27:51 PM
Date Processed   : 10/24/2023 5:33:53 PM
Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0890	g/100cc	29695	12507
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173365	49242
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0959	g/100cc	30697	15177
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176029	65812
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 49
Data Filename   : QC1-2-B_10242023_049.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 5:37:36 PM
Date Processed   : 10/24/2023 5:43:38 PM
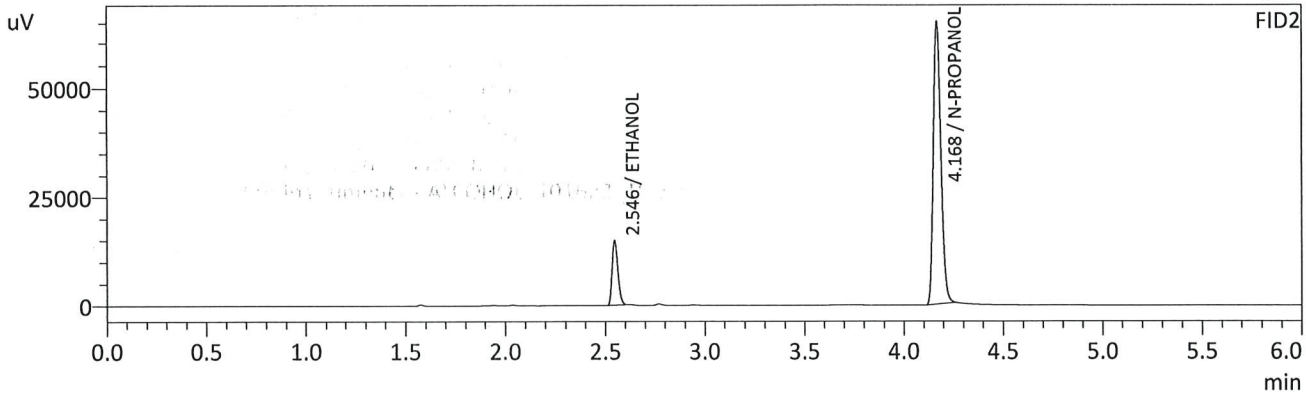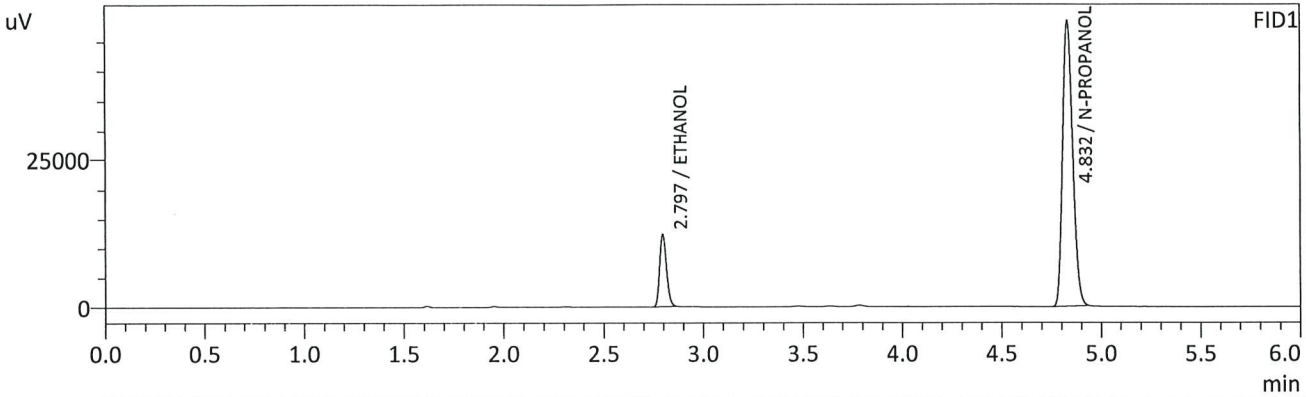Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0886	g/100cc	29027	12243
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170254	48386
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0954	g/100cc	29968	14850
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172904	64522
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : ITSD BLK 3
Vial #   : 50
Data Filename   : ITSD BLK 3_10242023_050.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 5:47:07 PM
Date Processed   : 10/24/2023 5:53:08 PM
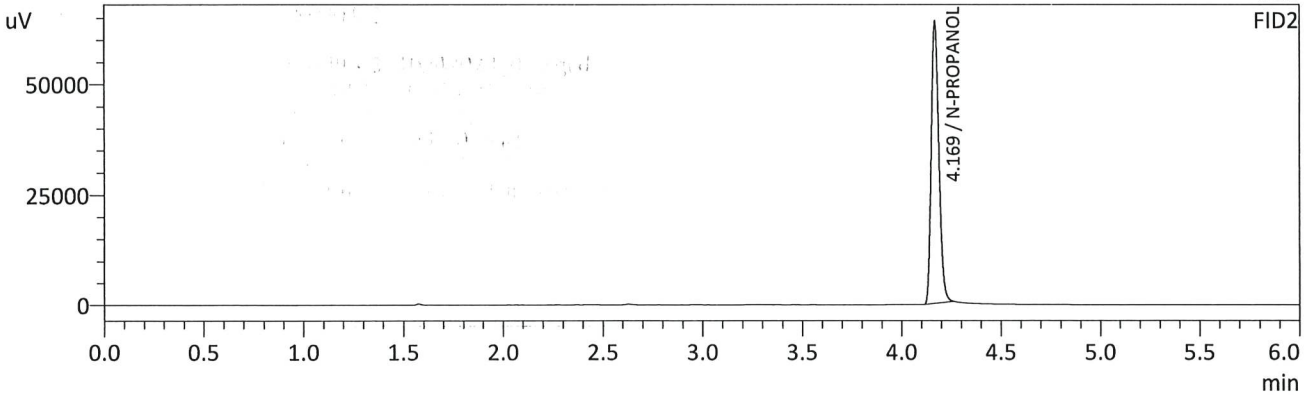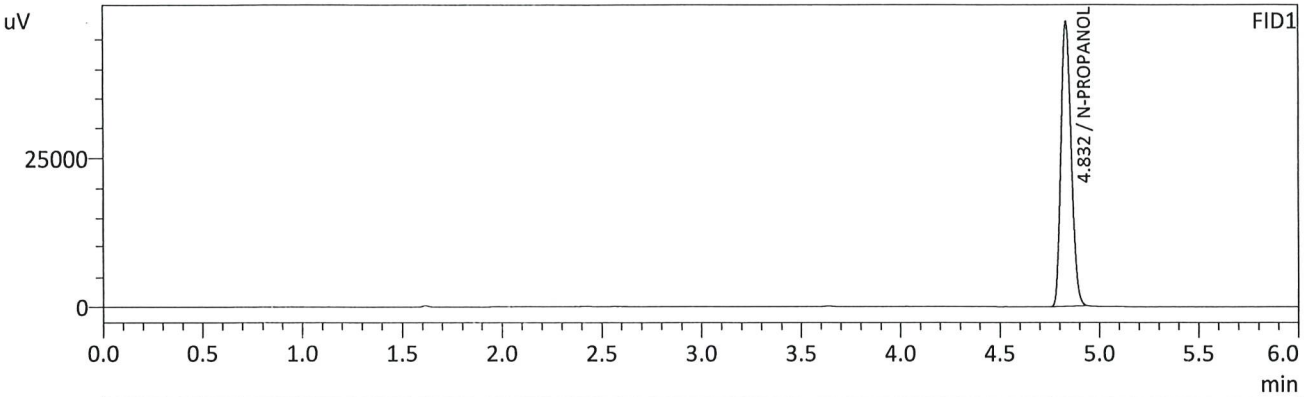Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

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	168751	48024
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	170642	63698
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name   : DFE
Vial #   : 51
Data Filename   : DFE_10242023_051.gcd
Method Filename : ALCOHOL_101623_TS.gcm
Batch Filename : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 5:56:23 PM
Date Processed : 10/24/2023 6:02:25 PM
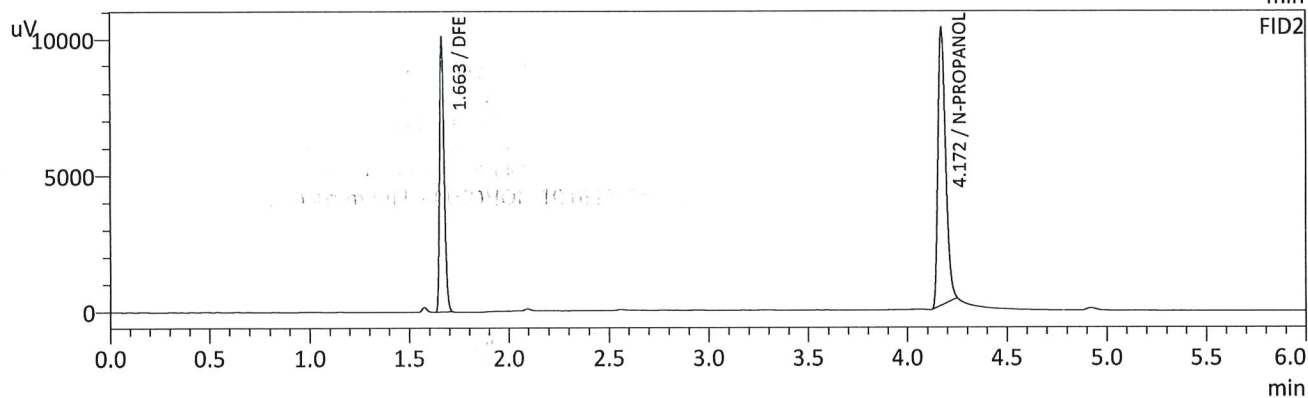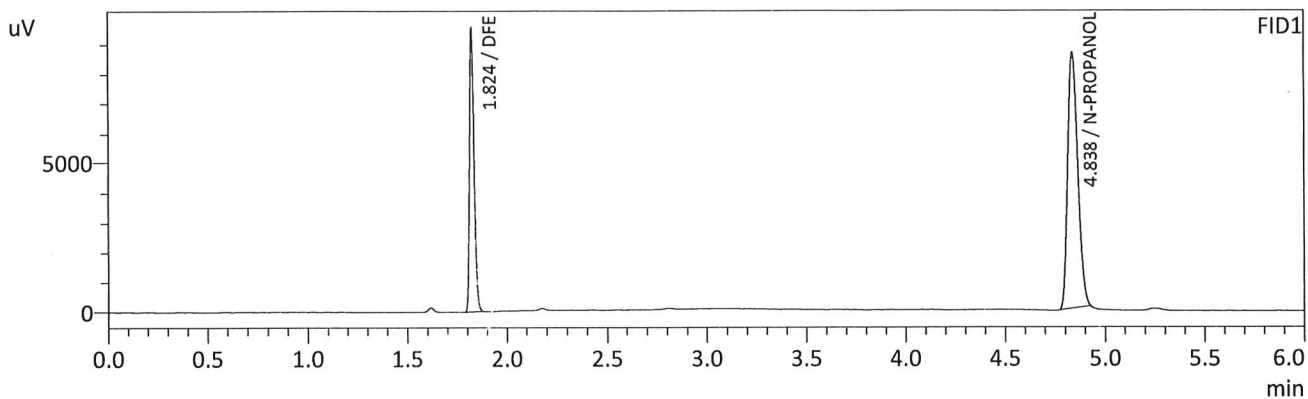Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

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	30043	8613
DFE	0.0000	g/100cc	15294	9425
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	27420	10146
DFE	0.0000	g/100cc	15768	9958
TFE	--	g/100cc	--	--

Sample Name   : ITSD BLK 4
Vial #   : 52
Data Filename   : ITSD BLK 4_10242023_052.gcd
Method Filename   : ALCOHOL_101623_TS.gcm
Batch Filename   : BATCH_102423_ts.gcb
Date Acquired   : 10/24/2023 6:06:14 PM
Date Processed   : 10/24/2023 6:12:16 PM
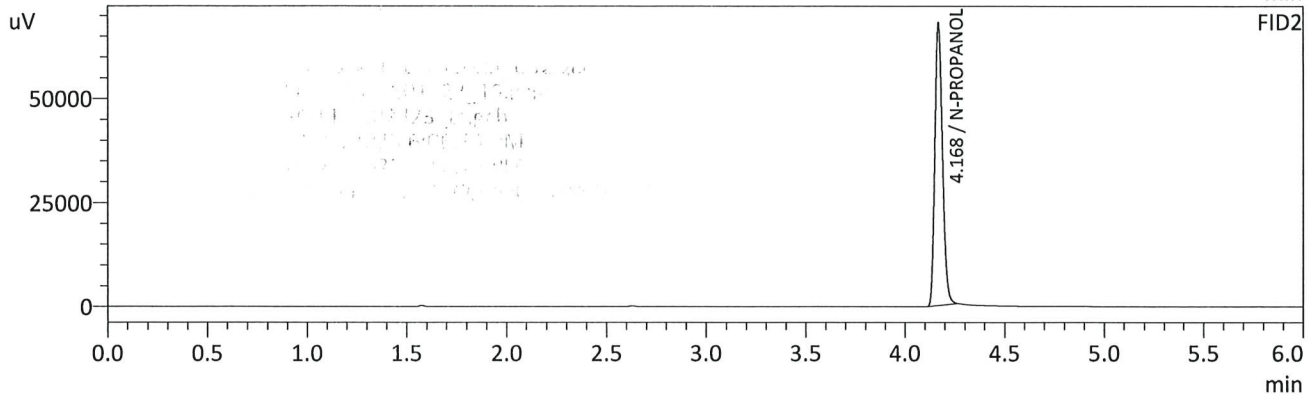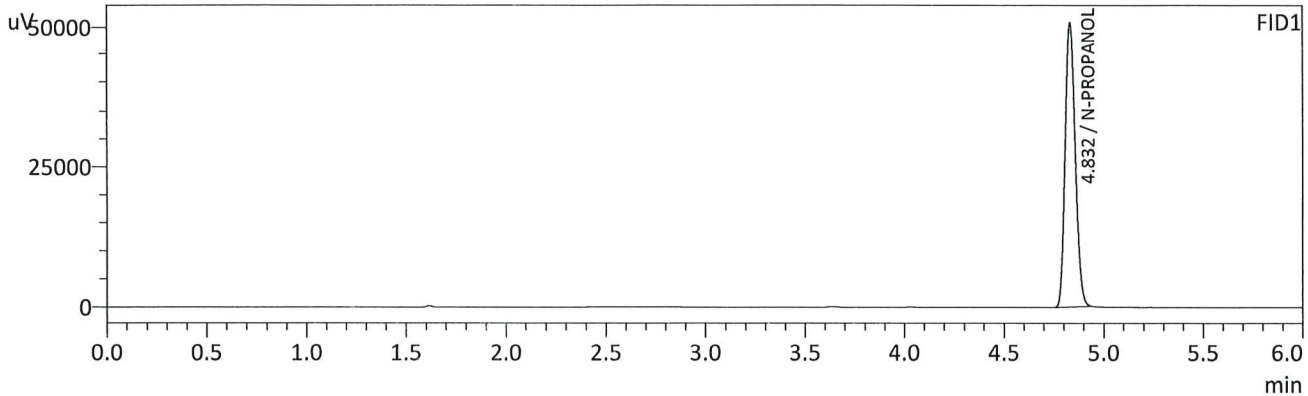Default Project - G1KG333-Instrument1 - ALCOHOL_101623_TS.gcm

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	178327	50729
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	180329	67578
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 6.117
Copyright (C) 2008-2022 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_101623_TS.gcm	-1359 - INT STD BLK 1_10242023_001.gcd	0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_101623_TS.gcm	60 - MULTI-COMP MIX_10242023_002.gcd	1
3	INT STD BLK 2	0:Unknown	ALCOHOL_101623_TS.gcm	-1361 - INT STD BLK 2_10242023_003.gcd	0
4	QC1-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1362 - QC1-1_10242023_004.gcd	0
5	QC1-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1-1363 - QC1-1-B_10242023_005.gcd	0
6	0.08 QA	0:Unknown	ALCOHOL_101623_TS.gcm	1-1364 - 0.08 QA _10242023_006.gcd	0
7	0.08 QA - B	0:Unknown	ALCOHOL_101623_TS.gcm	1-1365 - 0.08 QA - B_10242023_007.gcd	0
8	P2023-3119-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1366 - P2023-3119-1_10242023_008.gcd	0
9	P2023-3119-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1367 - P2023-3119-1-B_10242023_009.gcd	0
10	P2023-3276-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1368 - P2023-3276-1_10242023_010.gcd	0
11	P2023-3276-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1369 - P2023-3276-1-B_10242023_011.gcd	0
12	P2023-3289-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1370 - P2023-3289-1_10242023_012.gcd	0
13	P2023-3289-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1371 - P2023-3289-1-B_10242023_013.gcd	0
14	P2023-3295-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1372 - P2023-3295-1_10242023_014.gcd	0
15	P2023-3295-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1373 - P2023-3295-1-B_10242023_015.gcd	0
16	P2023-3296-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1374 - P2023-3296-1_10242023_016.gcd	0
17	P2023-3296-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1375 - P2023-3296-1-B_10242023_017.gcd	0
18	P2023-3297-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1376 - P2023-3297-1_10242023_018.gcd	0
19	P2023-3297-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1377 - P2023-3297-1-B_10242023_019.gcd	0
20	P2023-3301-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1378 - P2023-3301-1_10242023_020.gcd	0
21	P2023-3301-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1379 - P2023-3301-1-B_10242023_021.gcd	0
22	P2023-3303-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1380 - P2023-3303-1_10242023_022.gcd	0
23	P2023-3303-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1381 - P2023-3303-1-B_10242023_023.gcd	0
24	P2023-3308-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1382 - P2023-3308-1_10242023_024.gcd	0
25	P2023-3308-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1383 - P2023-3308-1-B_10242023_025.gcd	0
26	QC2-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1384 - QC2-1_10242023_026.gcd	0
27	QC2-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1-1385 - QC2-1-B_10242023_027.gcd	0
28	P2023-3318-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1386 - P2023-3318-1_10242023_028.gcd	0
29	P2023-3318-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1387 - P2023-3318-1-B_10242023_029.gcd	0
30	P2023-3319-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1388 - P2023-3319-1_10242023_030.gcd	0
31	P2023-3319-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1389 - P2023-3319-1-B_10242023_031.gcd	0
32	P2023-3321-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1390 - P2023-3321-1_10242023_032.gcd	0
33	P2023-3321-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1391 - P2023-3321-1-B_10242023_033.gcd	0
34	P2023-3324-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1392 - P2023-3324-1_10242023_034.gcd	0
35	P2023-3324-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1393 - P2023-3324-1-B_10242023_035.gcd	0
36	P2023-3325-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1394 - P2023-3325-1_10242023_036.gcd	0
37	P2023-3325-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1395 - P2023-3325-1-B_10242023_037.gcd	0
38	P2023-3340-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1396 - P2023-3340-1_10242023_038.gcd	0
39	P2023-3340-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1397 - P2023-3340-1-B_10242023_039.gcd	0
40	P2023-3345-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1398 - P2023-3345-1_10242023_040.gcd	0
41	P2023-3345-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1399 - P2023-3345-1-B_10242023_041.gcd	0
42	P2023-3346-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1400 - P2023-3346-1_10242023_042.gcd	0
43	P2023-3346-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1401 - P2023-3346-1-B_10242023_043.gcd	0
44	P2023-3347-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1402 - P2023-3347-1_10242023_044.gcd	0
45	P2023-3347-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1403 - P2023-3347-1-B_10242023_045.gcd	0
46	P2023-3365-1	0:Unknown	ALCOHOL_101623_TS.gcm	1-1404 - P2023-3365-1_10242023_046.gcd	0
47	P2023-3365-1-B	0:Unknown	ALCOHOL_101623_TS.gcm	1405 - P2023-3365-1-B_10242023_047.gcd	0
48	QC1-2	0:Unknown	ALCOHOL_101623_TS.gcm	1-1406 - QC1-2_10242023_048.gcd	0
49	QC1-2-B	0:Unknown	ALCOHOL_101623_TS.gcm	1-1407 - QC1-2-B_10242023_049.gcd	0
50	ITSD BLK 3	0:Unknown	ALCOHOL_101623_TS.gcm	1-1408 - ITSD BLK 3_10242023_050.gcd	0
51	DFE	0:Unknown	ALCOHOL_101623_TS.gcm	1-1409 - DFE_10242023_051.gcd	0
52	ITSD BLK 4	0:Unknown	ALCOHOL_101623_TS.gcm	1-1410 - ITSD BLK 4_10242023_052.gcd	0