7/22/2024

Worklist: 6880

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2024-2630	2	UCK	Alcohol Analysis	|||||
M2024-2919	1	BCK	Alcohol Analysis	|||||
P2024-1513	1	BCK	Alcohol Analysis	|||||
P2024-2121	1	BCK	Alcohol Analysis	|||||
P2024-2144	1	BCK	Alcohol Analysis	|||||
P2024-2146	1	BCK	Alcohol Analysis	|||||
P2024-2149	1	BCK	Alcohol Analysis	|||||
P2024-2160	1	BCK	Alcohol Analysis	|||||
P2024-2175	1	BCK	Alcohol Analysis	|||||
P2024-2176	1	BCK	Alcohol Analysis	|||||
P2024-2177	1	BCK	Alcohol Analysis	|||||
P2024-2184	1	BCK	Alcohol Analysis	|||||
P2024-2199	1	BCK	Alcohol Analysis	|||||
P2024-2205	1	BCK	Alcohol Analysis	|||||
P2024-2206	1	BCK	Alcohol Analysis	|||||
P2024-2211	1	BCK	Alcohol Analysis	|||||
P2024-2217	1	BCK	Alcohol Analysis	|||||
P2024-2218	1	BCK	Alcohol Analysis	|||||
P2024-2230	1	BCK	Alcohol Analysis	|||||
P2024-2236	1	BCK	Alcohol Analysis	|||||
P2024-2237	1	BCK	Alcohol Analysis	|||||
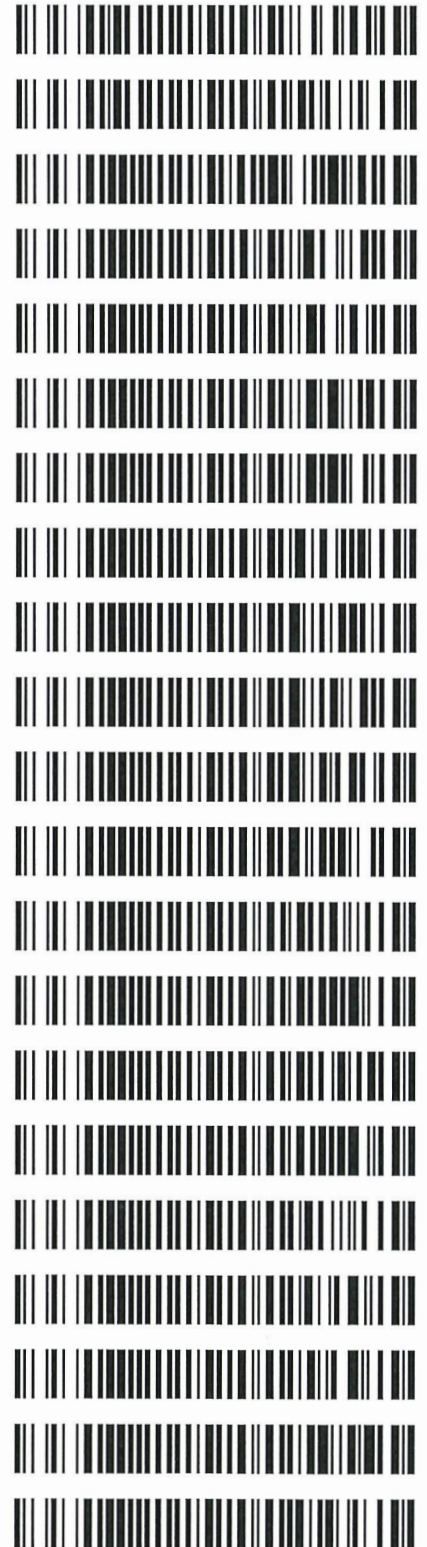
Also ran P2024-2045 with this (from Worklist 6869)

Worklist: 6881

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
P2024-2165	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

Calibration Date: (if different) :   07/11/24

Volatiles Quality Assurance Controls

Run Date(s):   07/23/2024

Worklist #:   6880

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0836 g/100cc
					0.0909 g/100cc
					0.0917 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2058 g/100cc
					0.1827 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	2024 October	Lot #	FN0641902 OK
Curve Fit:		Column 1	0.99993	Column2
				0.99988

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	0.0518	0.0007	0.0514
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1988	0.1983	0.0005	0.1985
300	0.300	0.270 - 0.330	0.2981	0.2977	0.0004	0.2979
400	0.400	0.360 - 0.440		0	#DIV/0!	
500	0.500	0.450 - 0.550	0.5013	0.5017	0.0004	0.5015

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Internal Standard Monitoring Worksheet

Worklist #:	6880	Run Date(s):	07/23/2024

Internal Standard Solution:		Prep Date:	7/11/2024	Exp Date:	1/11/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	192304	192166
0.080	192288	192137
QC1	194601	194399
QC1	194640	194537
QC1	205235	207549
QC1	205132	207345
QC1	215189	217984
QC1	209592	212122
QC2	191854	193451
QC2	193242	194499
QC2		
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	199407.7	159526.2	239289.2
Column 2	200618.9	160495.1	240742.7

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

===
Calibration Table
===

Laboratory: Pocatello
Instrument Name   : : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
Method File   :Default Project - ALCOHOL_071124_RC.gcm
Batch File   :Default Project - BATCH_071124_RC.gcb
Date Acquired   :7/11/2024 3:23:29 PM
Date Created   :7/11/2024 3:19:58 PM
Date Modified   :7/11/2024 3:29:31 PM

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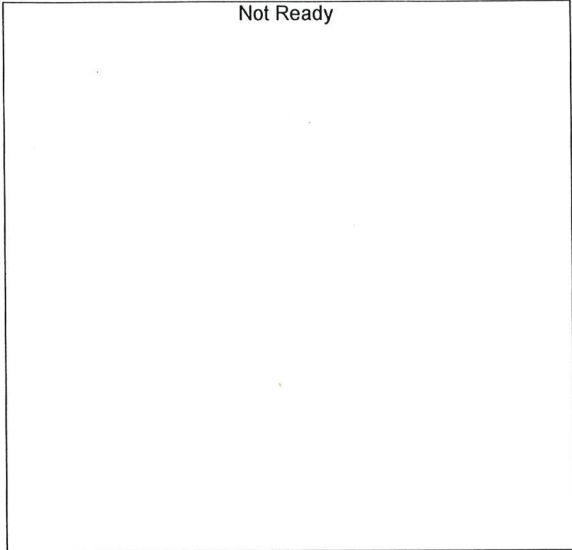
Name : METHANOL
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
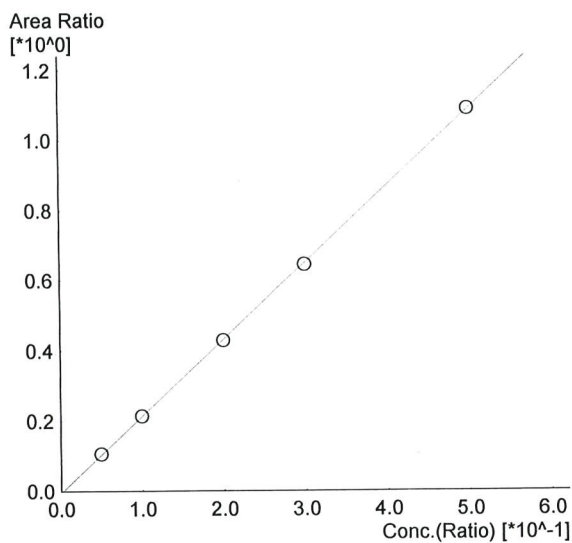FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

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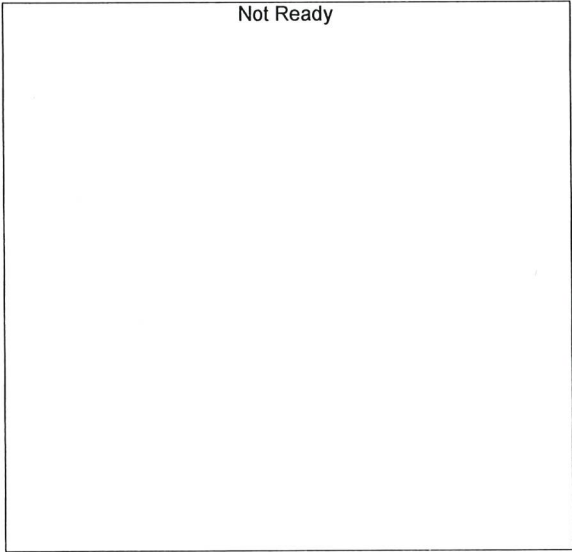
Name : ACETALDEHYDE
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
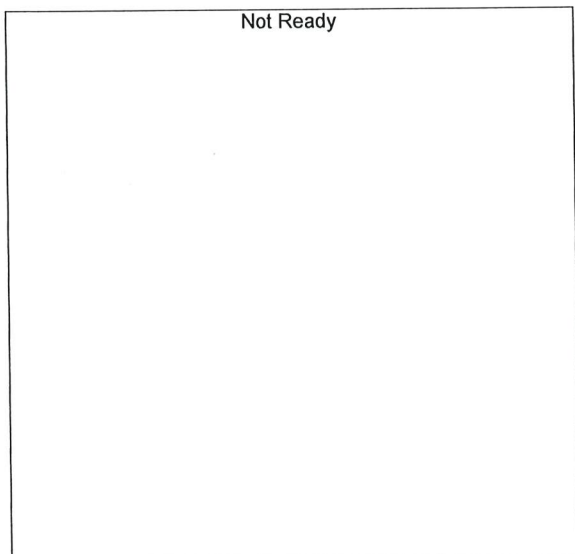FitType: Linear
ZeroThrough: Not Through

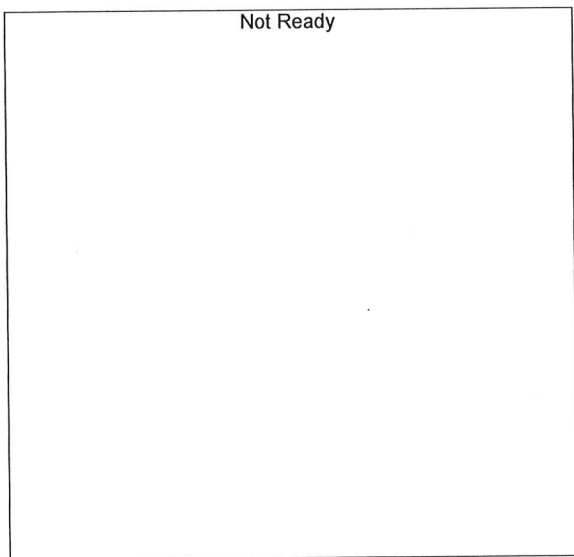| #	Conc.	Area	Std. Conc.	Data File Name

Name : ETHANOL
Detector Name: FID1
Function : $f(x)=2.18154*x-0.00572885$
R^2 value= 0.9999360
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20713	0.0511	0.050_7112024_001.gcd
2	0.100	42054	0.1004	0.100_7112024_002.gcd
3	0.200	85135	0.1988	0.200_7112024_003.gcd
4	0.300	128957	0.2981	0.300_7112024_004.gcd
5	0.500	218406	0.5013	0.500_7112024_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/TFE
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

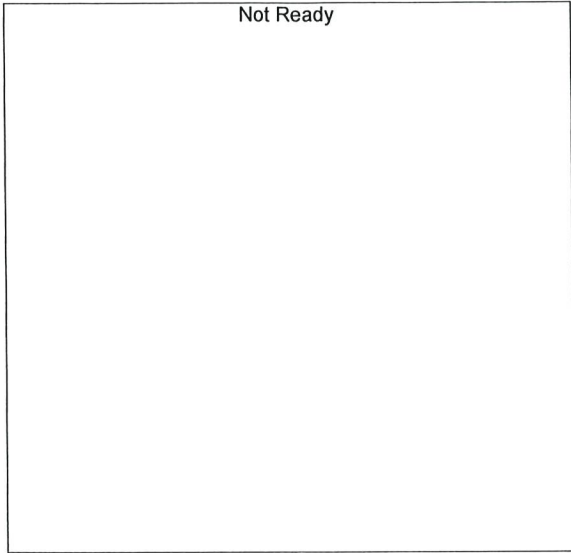| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

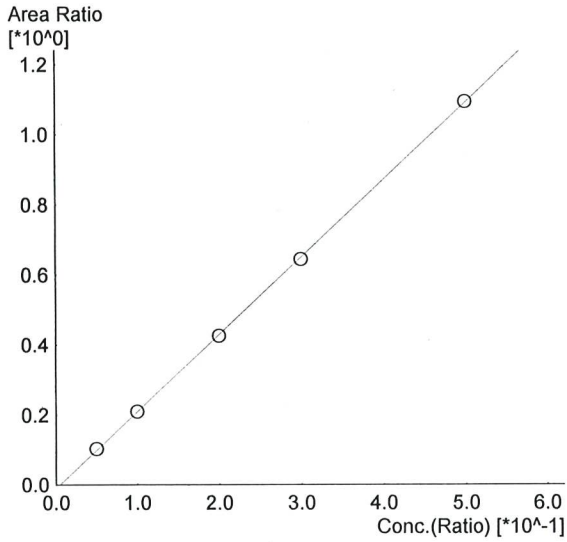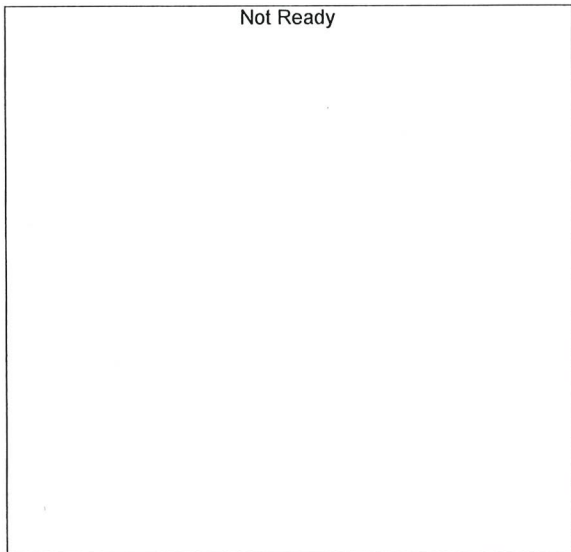| #	Conc.	Area	Std. Conc.	Data File Name

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

#	Conc.	Area	Std. Conc.	Data File Name

Area Ratio [*10^0] vs Conc.(Ratio) [*10^-1]

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	20291	0.0518	0.050_7112024_001.gcd
2	0.100	41483	0.1003	0.100_7112024_002.gcd
3	0.200	84853	0.1983	0.200_7112024_003.gcd
4	0.300	129040	0.2977	0.300_7112024_004.gcd
5	0.500	219799	0.5017	0.500_7112024_005.gcd

Not Ready

#	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

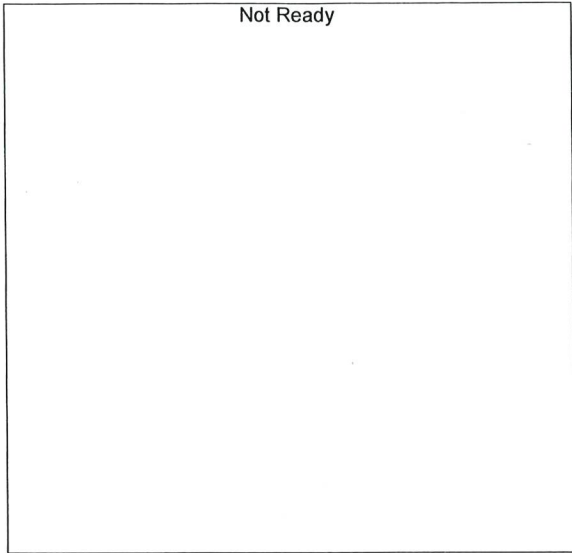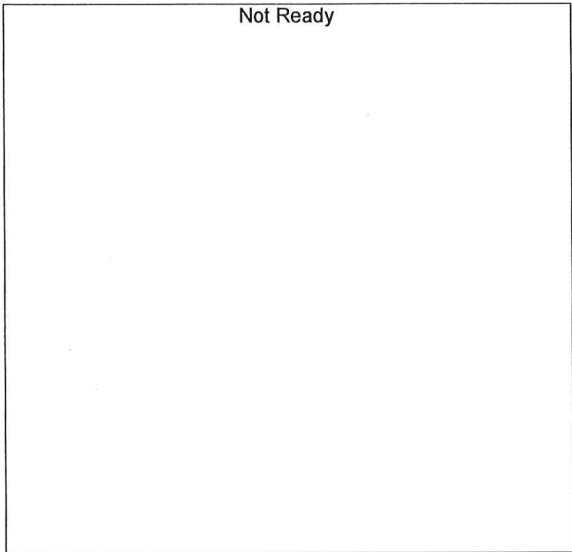| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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

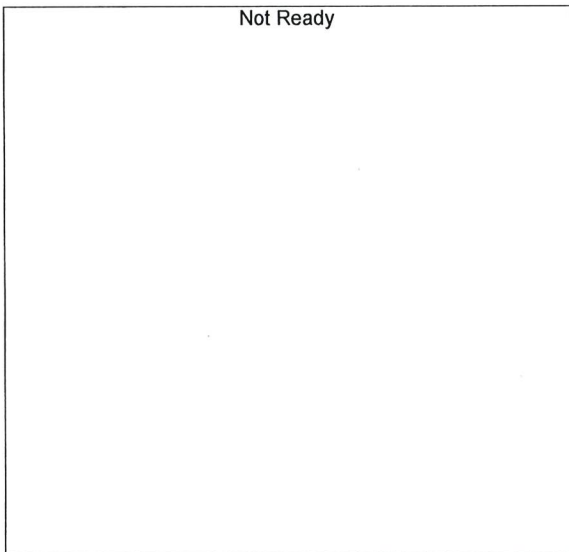| #	Conc.	Area	Std. Conc.	Data File Name

Not Ready

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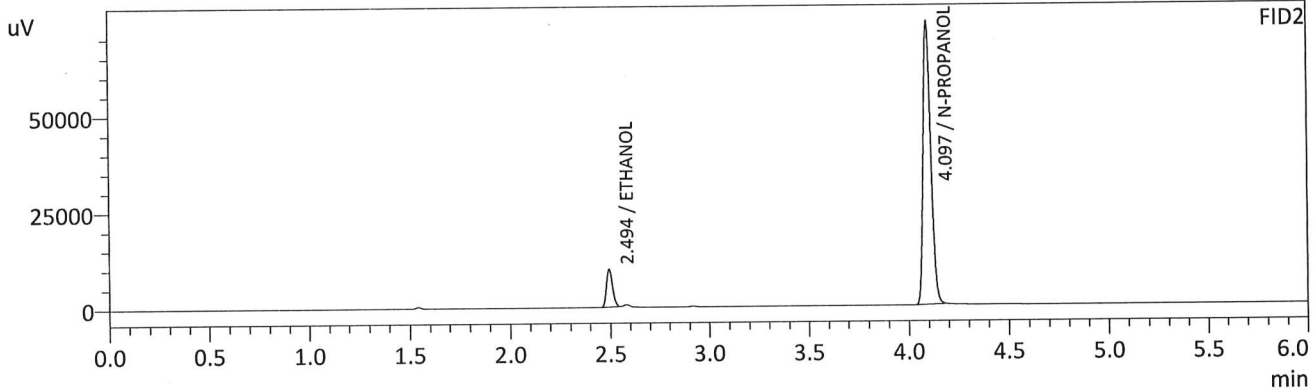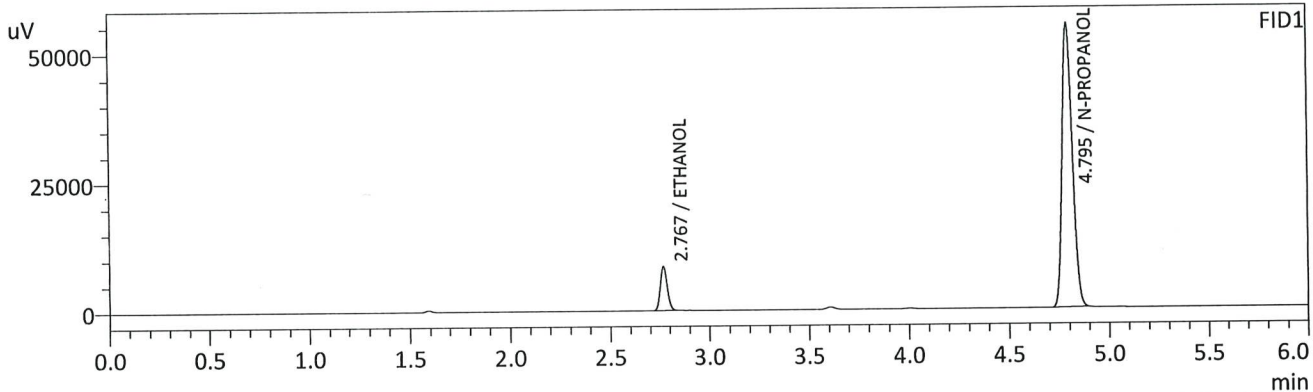R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name

Sample Name : 0.050
Vial # : 1
Data Filename : 0.050_7112024_001.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename : BATCH_071124_RC.gcb
Date Acquired : 7/11/2024 2:45:22 PM
Date Processed : 7/12/2024 9:09:44 AM
Instrument : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	20713	8436
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	195545	54950
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	20291	9798
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197043	73288
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.100
Vial #   : 2
Data Filename   : 0.100_7112024_002.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_071124_RC.gcb
Date Acquired   : 7/11/2024 2:54:51 PM
Date Processed   : 7/12/2024 9:09:48 AM
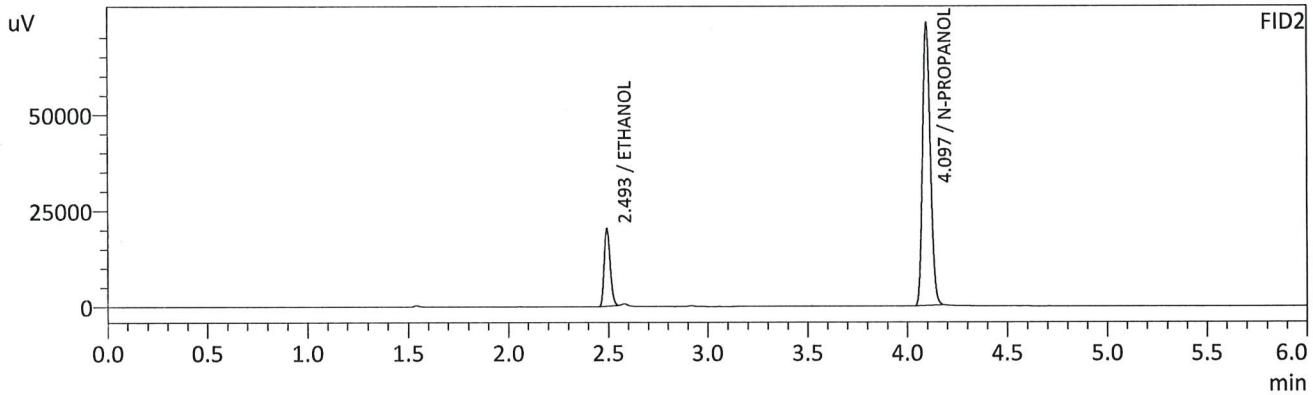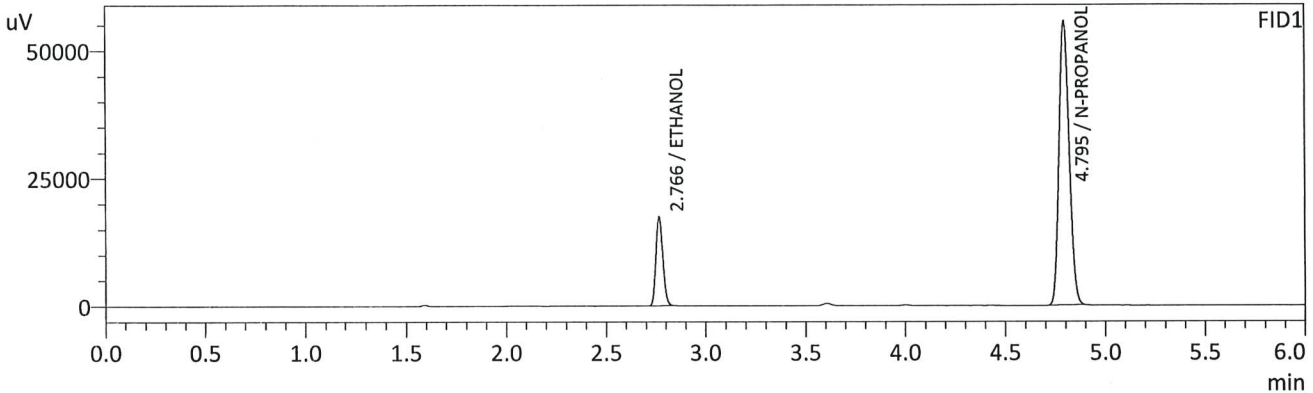Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	42054	17373
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197073	55585
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	41483	20056
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	197787	73291
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.200
Vial #   : 3
Data Filename   : 0.200_7112024_003.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_071124_RC.gcb
Date Acquired   : 7/11/2024 3:04:12 PM
Date Processed   : 7/12/2024 9:09:51 AM
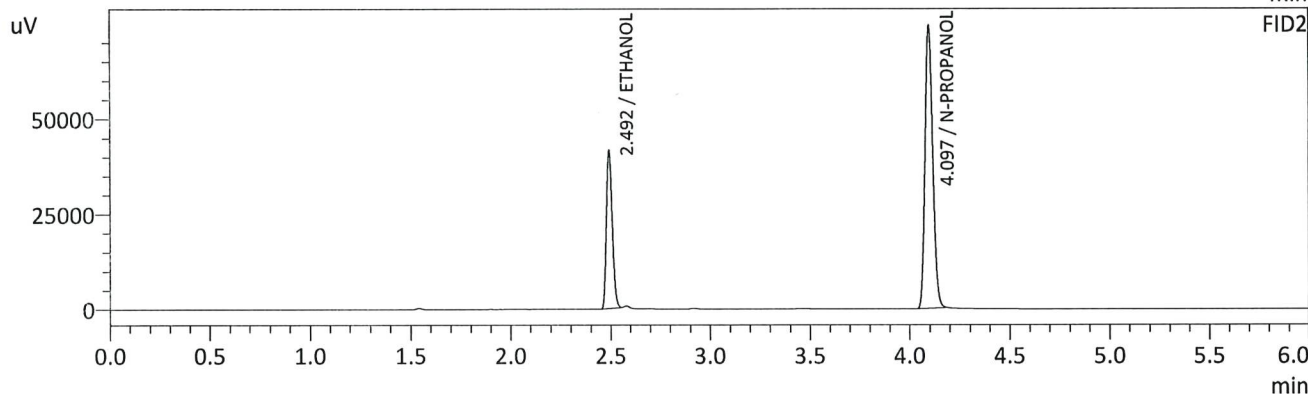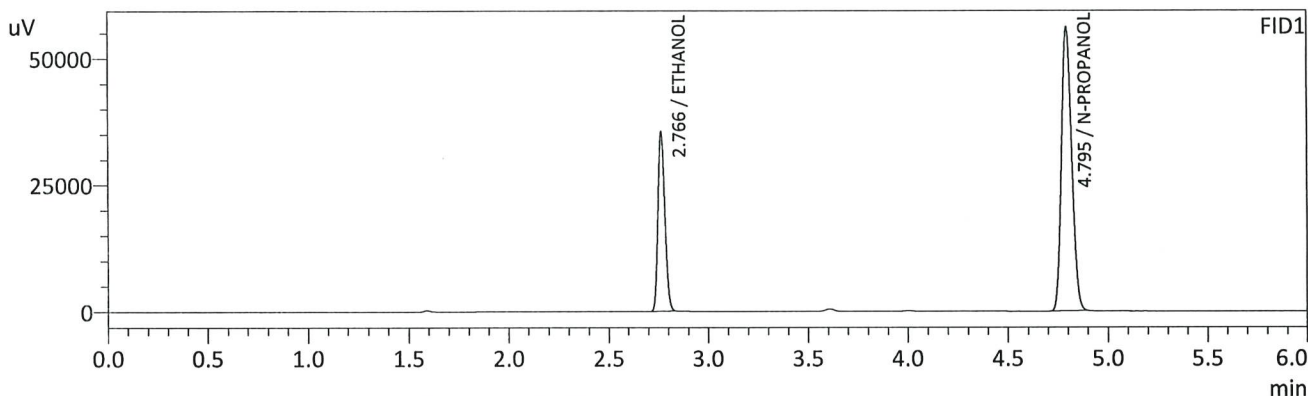Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1988	g/100cc	85135	35375
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198844	56030
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1983	g/100cc	84853	40856
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199381	73988
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.300
Vial #   : 4
Data Filename   : 0.300_7112024_004.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_071124_RC.gcb
Date Acquired   : 7/11/2024 3:13:56 PM
Date Processed   : 7/12/2024 9:09:55 AM
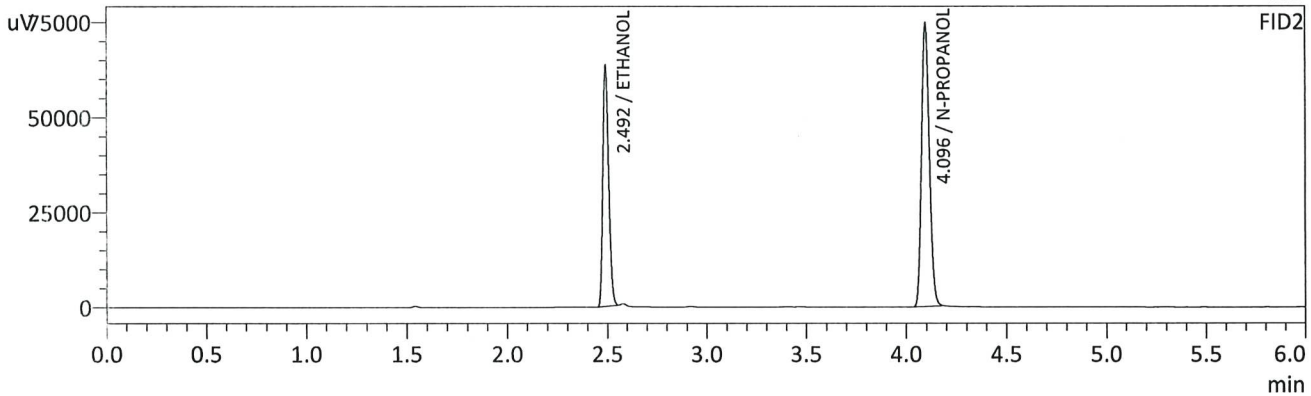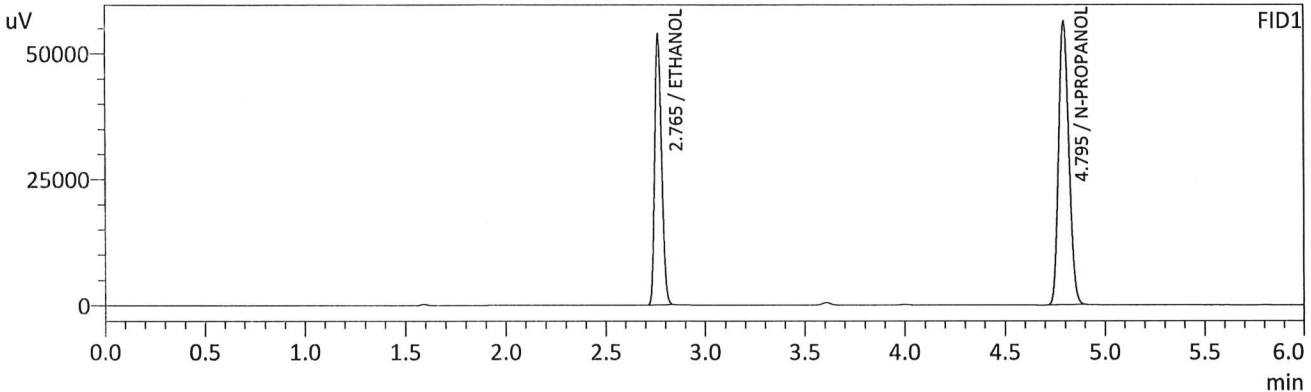Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2981	g/100cc	128957	53659
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200043	56268
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2977	g/100cc	129040	62675
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200233	74496
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.500
Vial #   : 5
Data Filename   : 0.500_7112024_005.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_071124_RC.gcb
Date Acquired   : 7/11/2024 3:23:29 PM
Date Processed   : 7/11/2024 3:29:31 PM
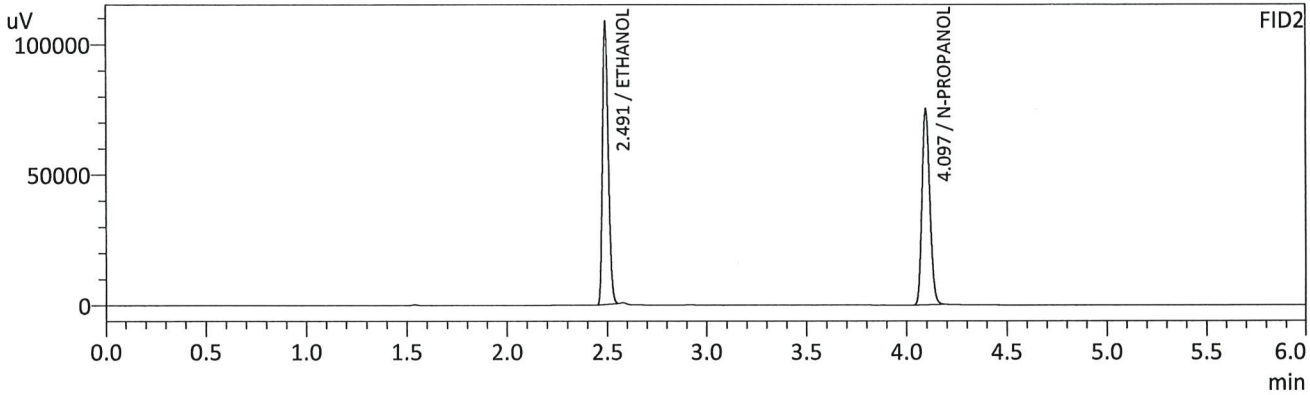Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	218406	91046
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200738	56463
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5017	g/100cc	219799	107519
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200967	74857
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 1
Vial #   : 1
Data Filename   : INT STD BLK 1_7232024_001.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 9:53:47 AM
Date Processed   : 7/23/2024 9:59:49 AM
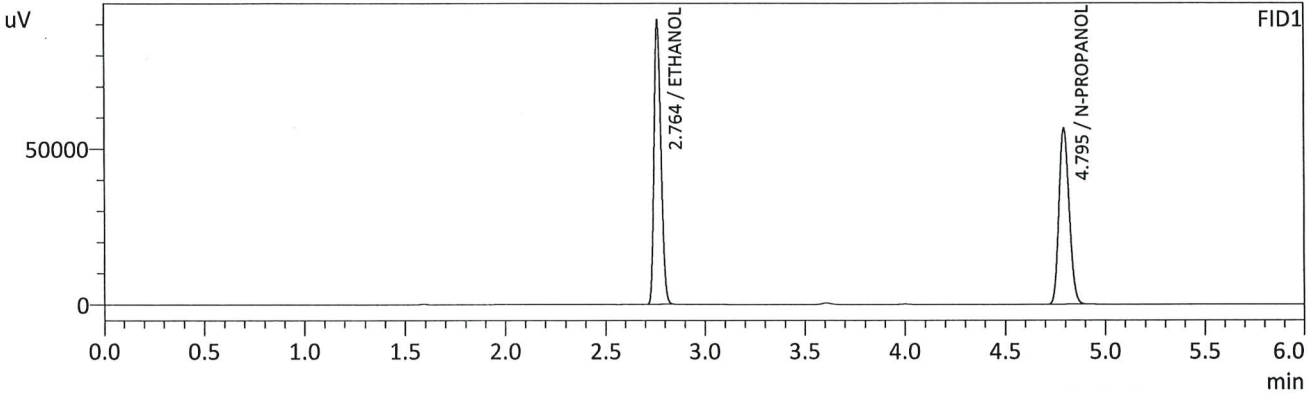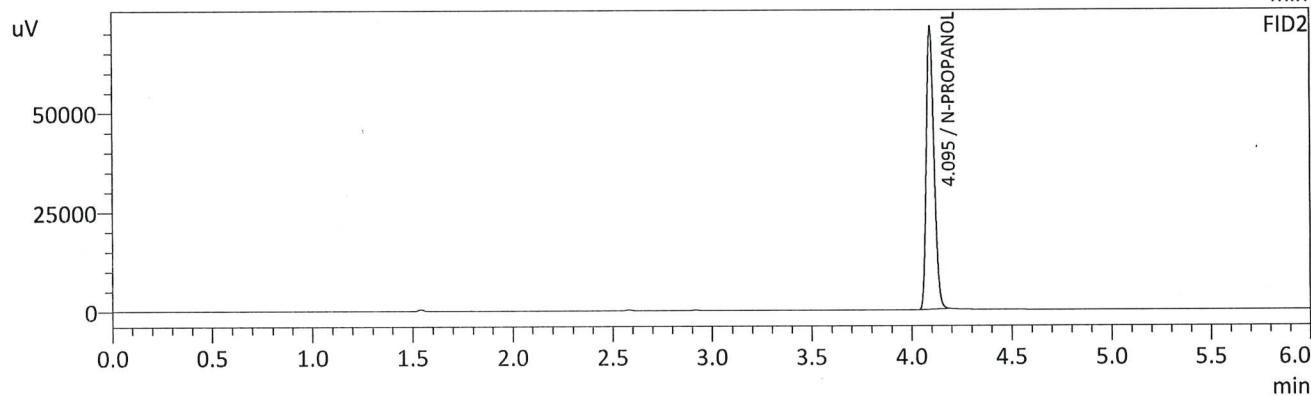Instrument   : GC SN- C12255850662 / HS SN- C12595700014
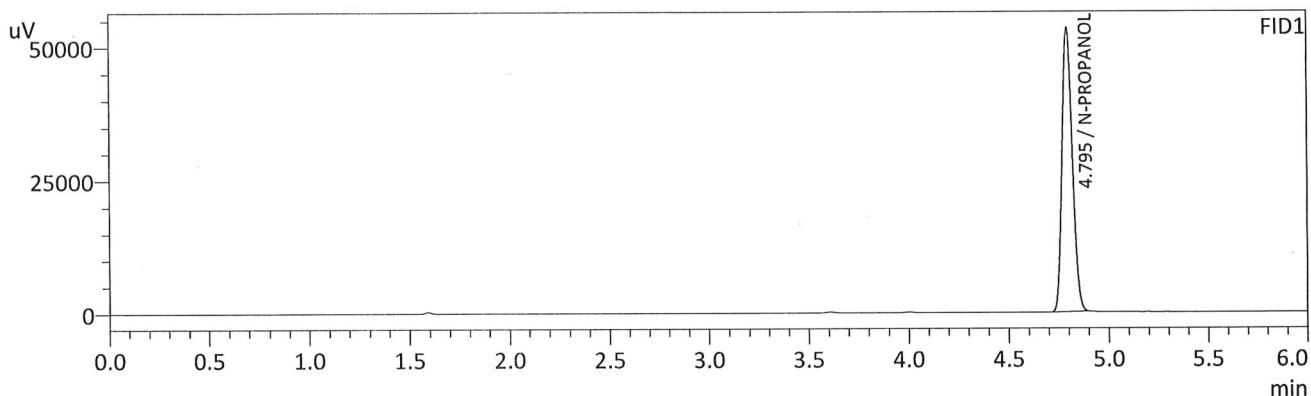
FID1

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	189395	53312
DFE/TFE	--	g/100cc	--	--
DME	--	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	191529	71254
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : MULTI-COMP MIX
Vial #   : 2
Data Filename   : MULTI-COMP MIX_7232024_002.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:03:17 AM
Date Processed   : 7/23/2024 10:09:19 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014

← I added some methanol to mixture. Too much. RC 7-23-24
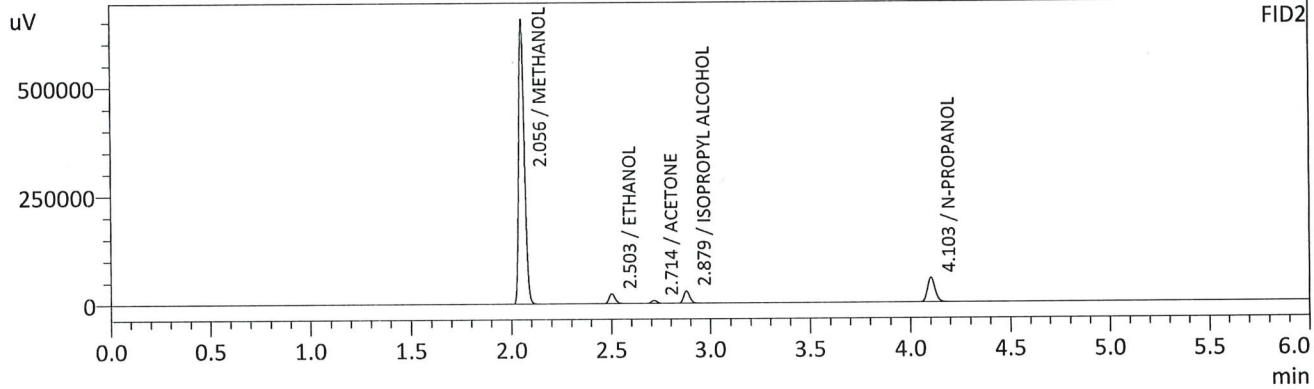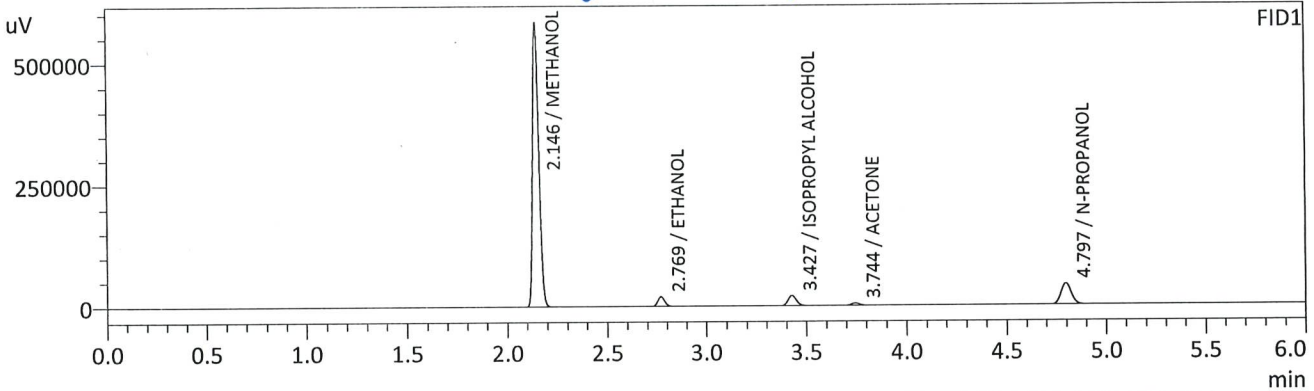
FID1

Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	1249979	577371
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1451	g/100cc	46889	19456
ISOPROPYL ALCOHOL	0.0000	g/100cc	58929	20770
ACETONE	0.0000	g/100cc	13020	4517
N-PROPANOL	0.0000	g/100cc	150822	42625
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	1279816	652413
ETHANOL	0.1463	g/100cc	46256	22367
ACETONE	0.0000	g/100cc	13546	6604
ISOPROPYL ALCOHOL	0.0000	g/100cc	59676	27556
N-PROPANOL	0.0000	g/100cc	148727	55686
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 2
Vial #   : 3
Data Filename   : INT STD BLK 2_7232024_003.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:12:38 AM
Date Processed   : 7/23/2024 10:18:39 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
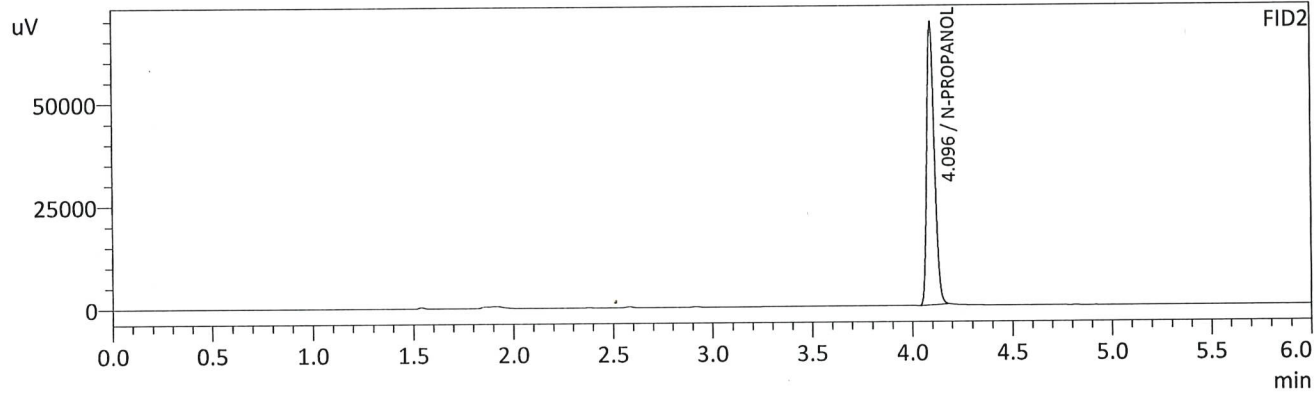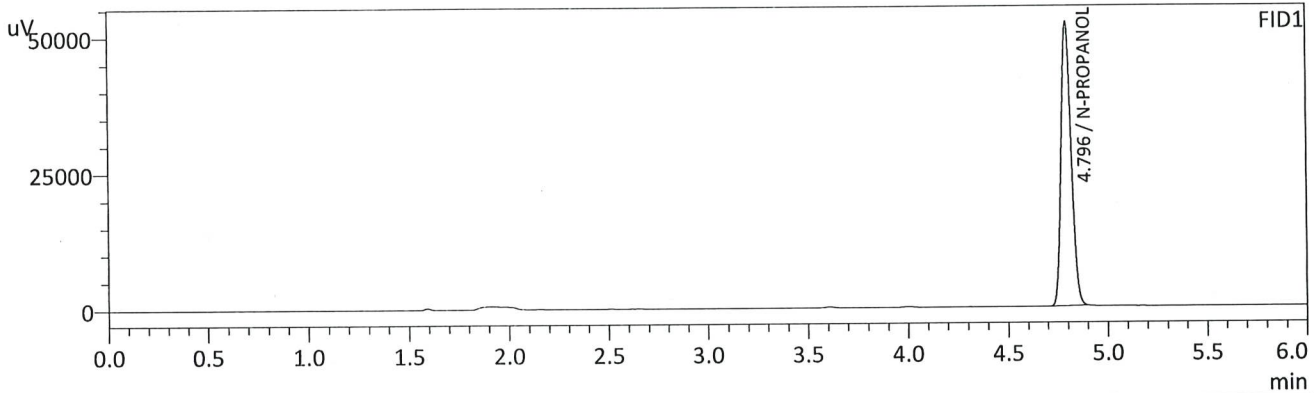
FID1

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	184562	52092
DFE/TFE	--	g/100cc	--	--
DME	--	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	184373	68742
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1				Analysis Date(s): 7/23/2024 10:22:25 AM(-06:00)	
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0834	0.0839	0.0005	0.0836	0.0001	0.0836
(g/100cc)	0.0833	0.0838	0.0005	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%):	5.00%	
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.083		0.078	0.088	0.005

	Reported Results	
	0.083	

Calibration and control data are stored centrally.

Sample Name   : QC1-1
Vial #   : 4
Data Filename   : QC1-1_7232024_004.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:22:25 AM
Date Processed   : 7/23/2024 10:28:28 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
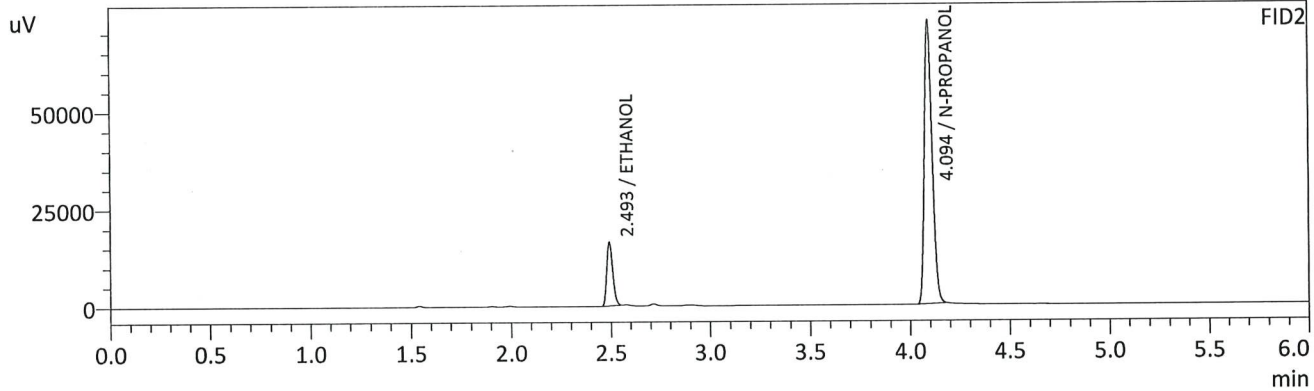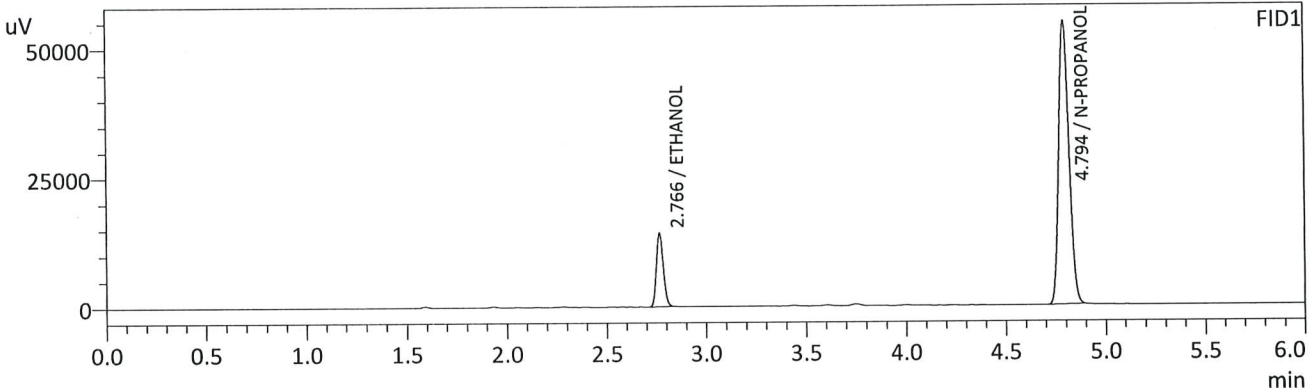
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0834	g/100cc	34293	14163
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194601	54701
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0839	g/100cc	33776	16185
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194399	72431
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-1-B
Vial #   : 5
Data Filename   : QC1-1-B_7232024_005.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:31:54 AM
Date Processed : 7/23/2024 10:37:56 AM
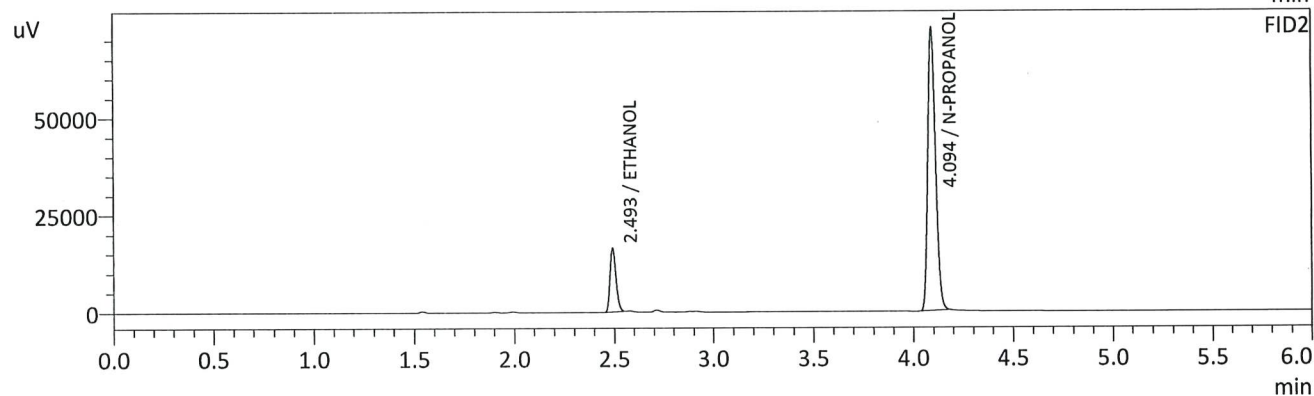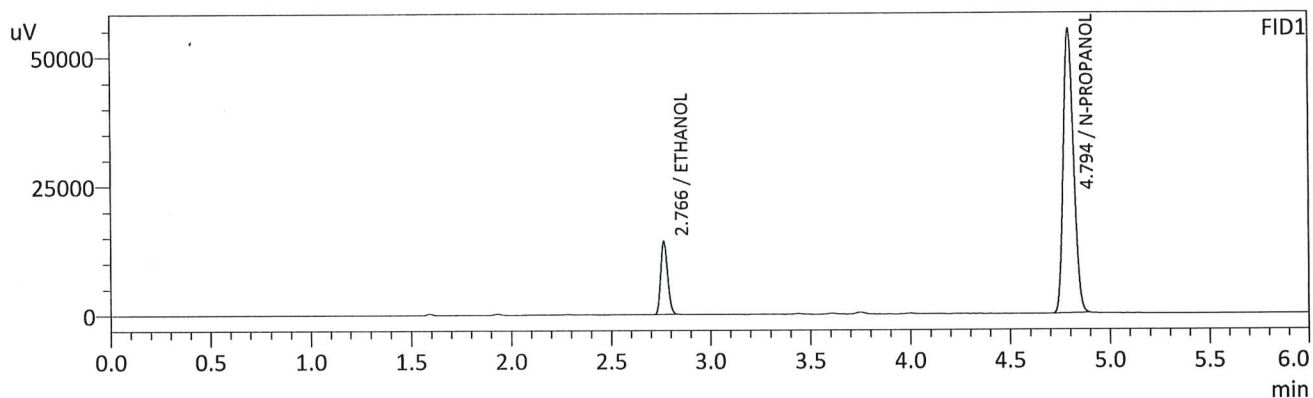Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0833	g/100cc	34281	14180
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194640	54998
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0838	g/100cc	33742	16126
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194537	72484
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA				Analysis Date(s): 7/23/2024 10:41:11 AM(-06:00)	

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0822	0.0005	0.0819	0.0001	0.0820
(g/100cc)	0.0819	0.0822	0.0003	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_071124_RC.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.

Sample Name   : 0.08 QA
Vial #   : 6
Data Filename   : 0.08 QA _7232024_006.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:41:11 AM
Date Processed   : 7/23/2024 10:47:12 AM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
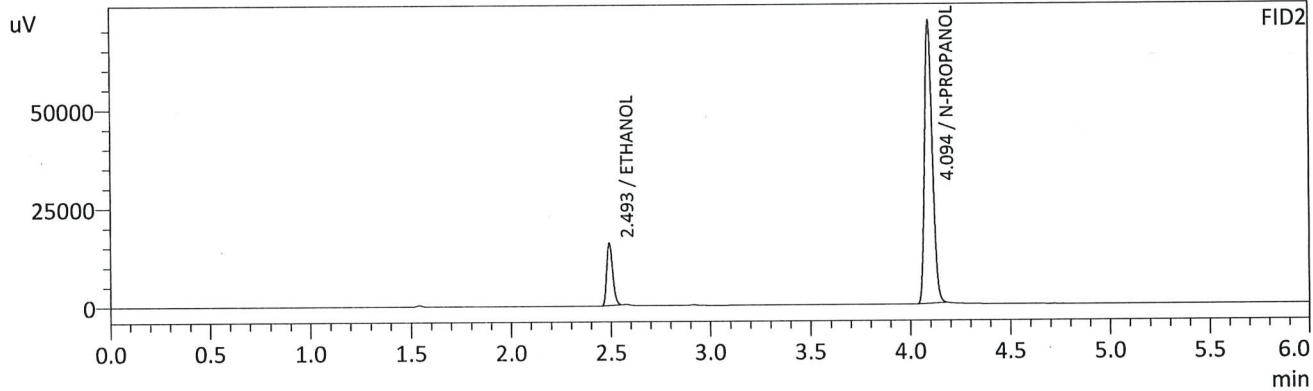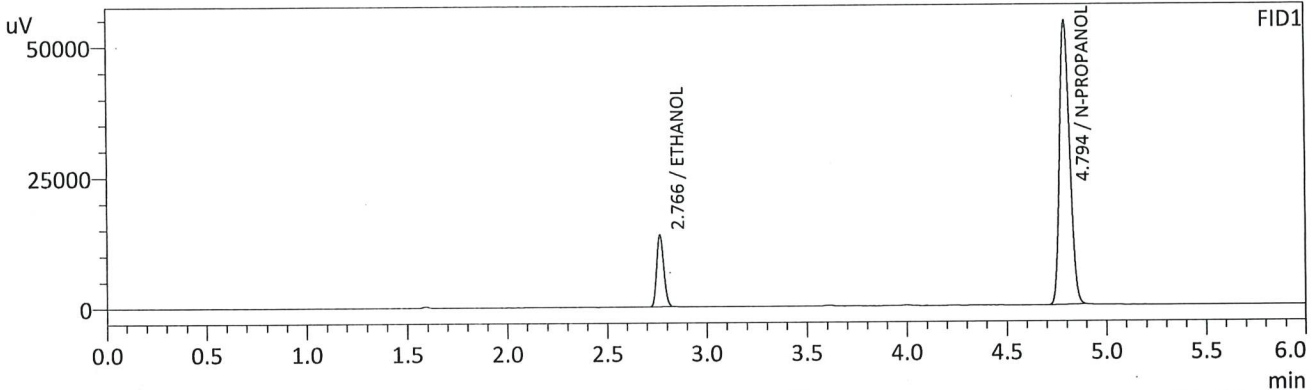
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	33185	13738
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192304	54163
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	32670	15629
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192166	71563
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : 0.08 QA - B
Vial #   : 7
Data Filename   : 0.08 QA - B_7232024_007.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 10:50:54 AM
Date Processed   : 7/23/2024 10:56:55 AM
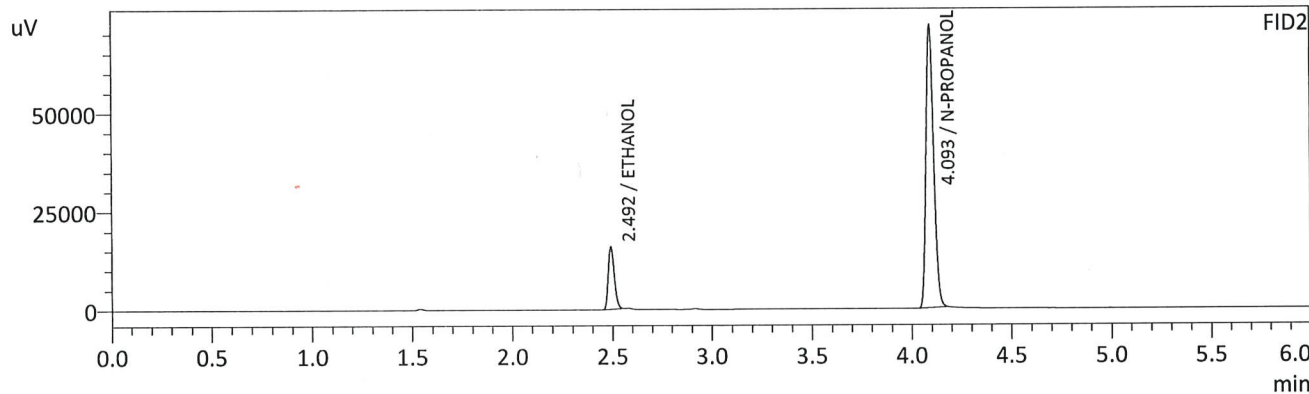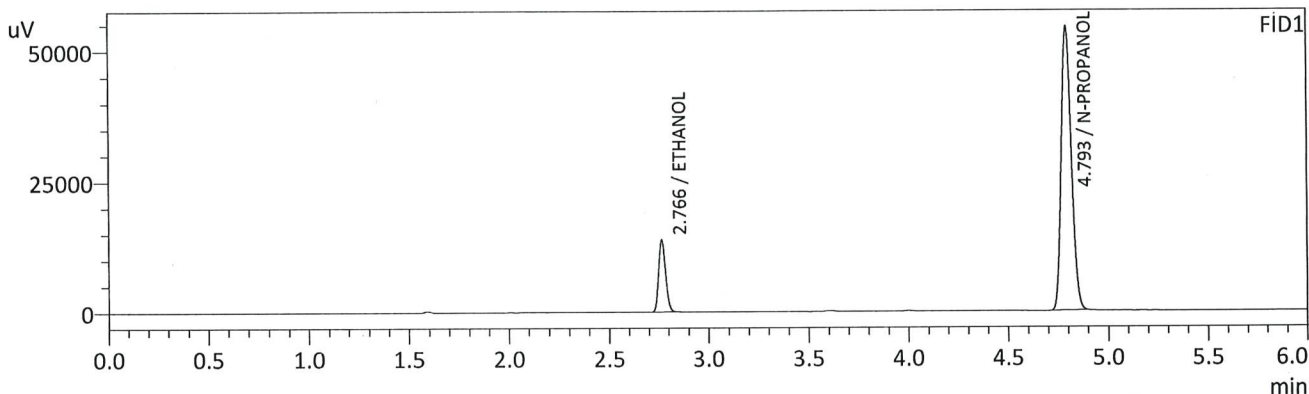Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	33268	13767
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192288	54161
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	32675	15589
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192137	71320
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1				Analysis Date(s): 7/23/2024 1:51:53 PM(-06:00)	
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2057	0.2058	0.0001	0.2057	0.0002	0.2058
(g/100cc)	0.2057	0.2062	0.0005	0.2059		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%):	5.00%	
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.205		0.194	0.216	0.011

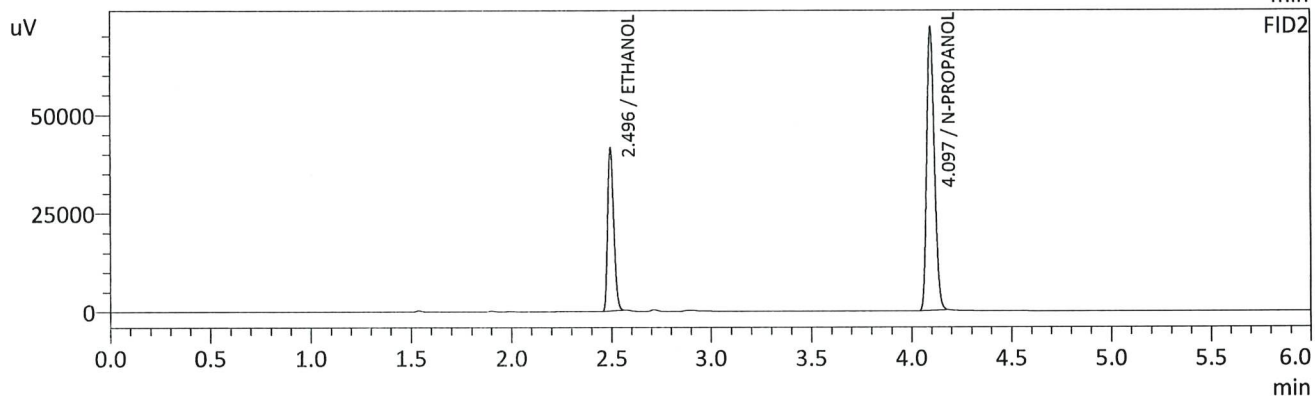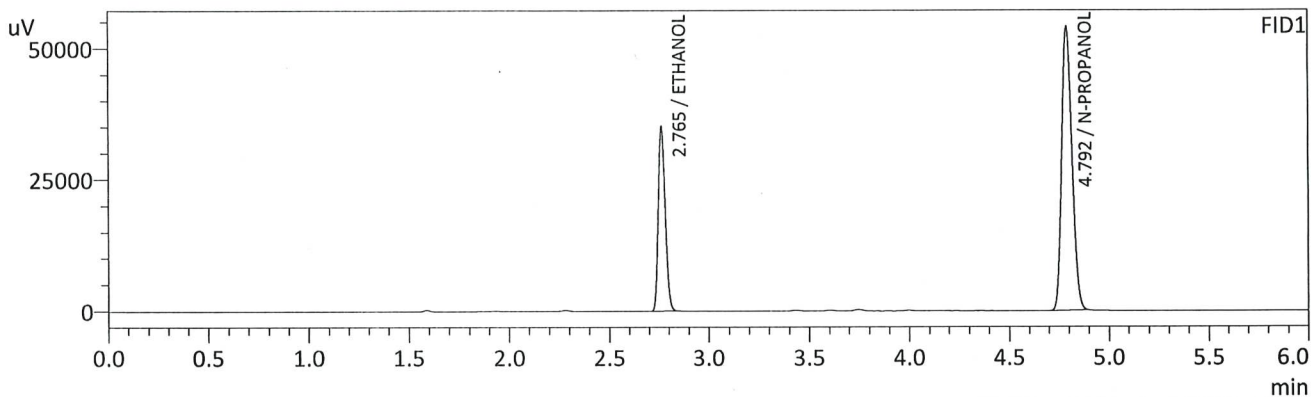|	Reported Results	
	0.205	

Calibration and control data are stored centrally.

Sample Name   : QC2-1
Vial #   : 26
Data Filename   : QC2-1_7232024_026.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 1:51:53 PM
Date Processed   : 7/23/2024 1:57:55 PM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2057	g/100cc	85009	35006
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	191854	53961
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2058	g/100cc	85534	41273
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193451	71757
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC2-1-B
Vial #   : 27
Data Filename   : QC2-1-B_7232024_027.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 2:01:10 PM
Date Processed   : 7/23/2024 2:07:11 PM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
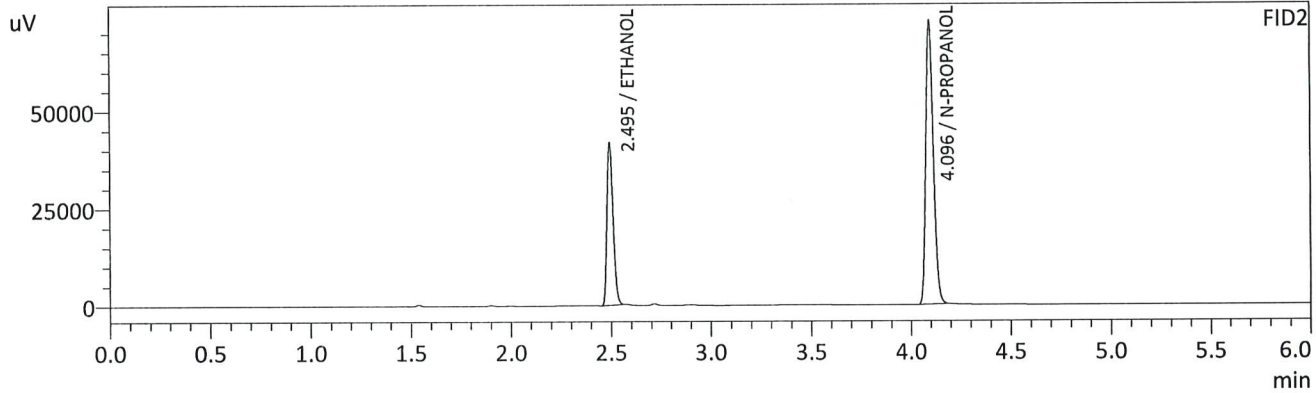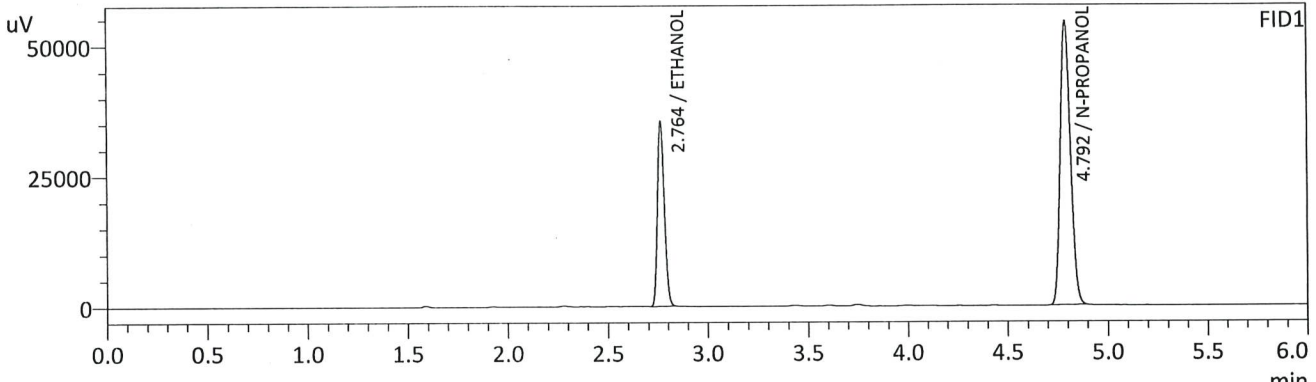

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2057	g/100cc	85639	35256
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193242	54329
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2062	g/100cc	86177	41596
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194499	72621
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2   Analysis Date(s): 7/23/2024 5:21:07 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0912	0.0915	0.0003	0.0913	0.0009	0.0909
(g/100cc)	0.0903	0.0906	0.0003	0.0904		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.090		0.085	0.095	0.005

	Reported Results	
	0.090	

Calibration and control data are stored centrally.

Sample Name   : QC1-2
Vial #   : 48
Data Filename   : QC1-2_7232024_048.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 5:21:07 PM
Date Processed   : 7/23/2024 5:27:08 PM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
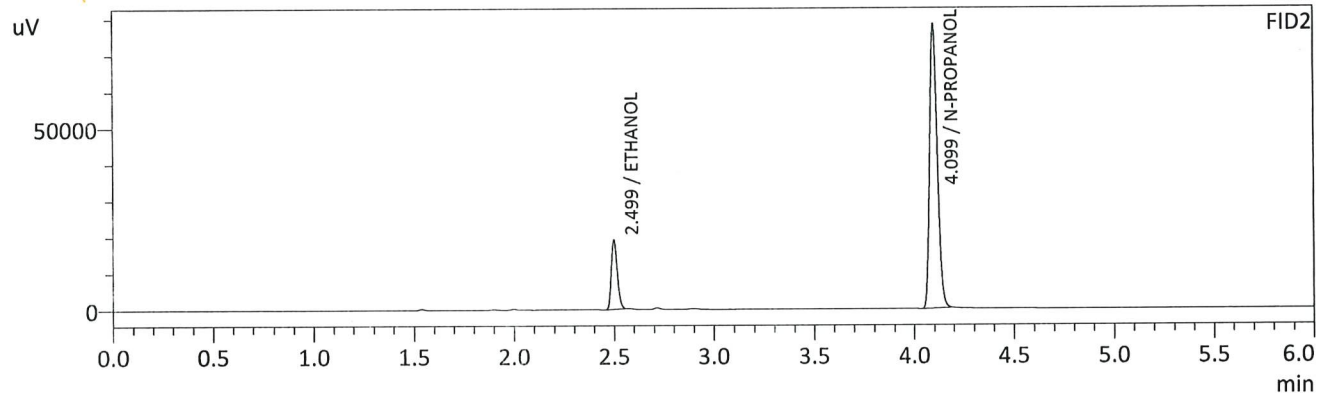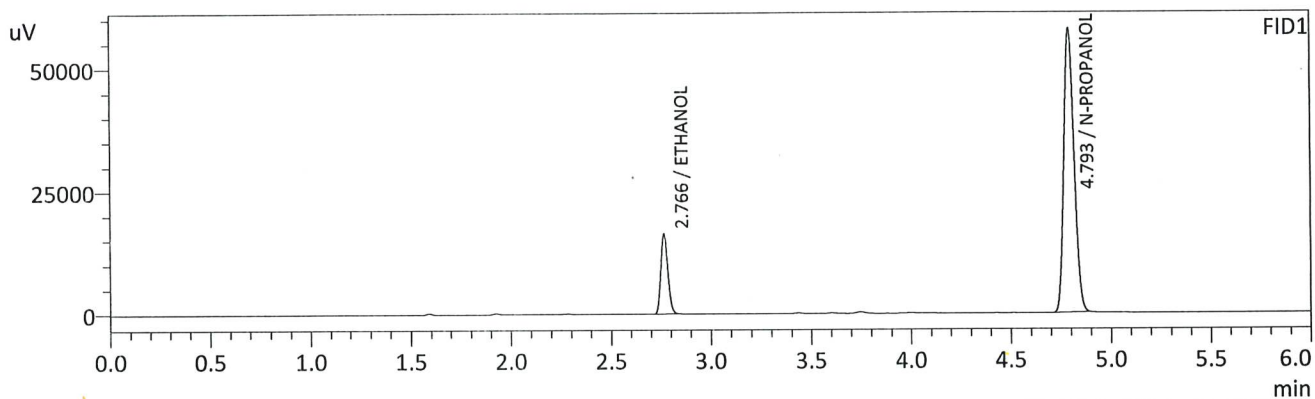
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0912	g/100cc	39671	16289
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205235	57626
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0915	g/100cc	39513	18997
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207549	77917
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-2-B
Vial #   : 49
Data Filename   : QC1-2-B_7232024_049.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 5:30:51 PM
Date Processed   : 7/23/2024 5:36:52 PM
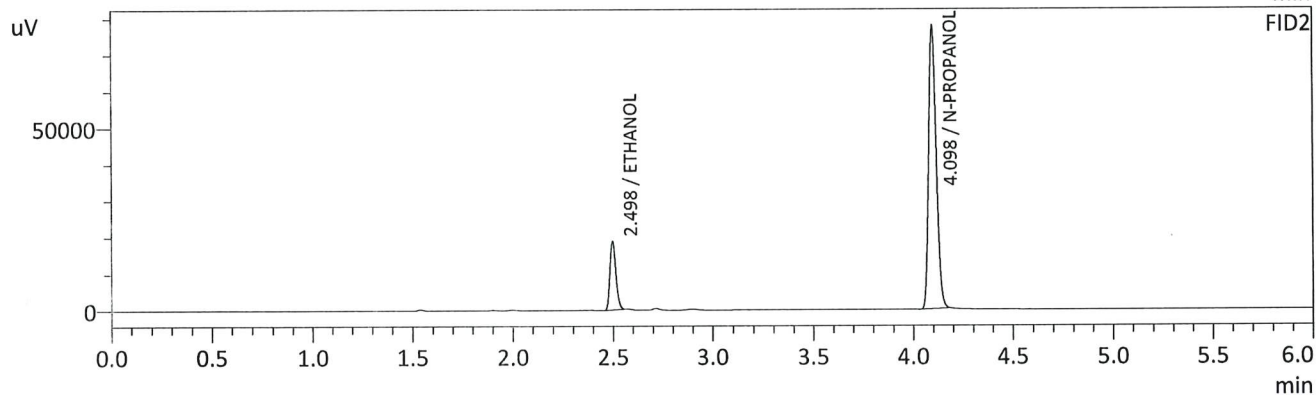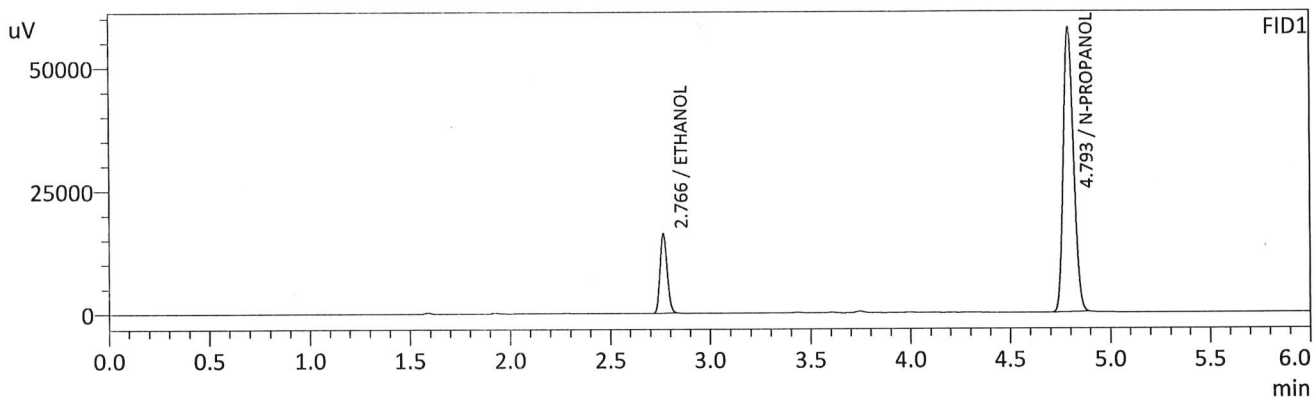Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0903	g/100cc	39273	16125
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	205132	57501
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0906	g/100cc	39063	18703
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	207345	77154
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-3   Analysis Date(s): 7/23/2024 6:56:33 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0915	0.0916	0.0001	0.0915	0.0005	0.0917
(g/100cc)	0.0920	0.0920	0.0000	0.0920		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_071124_RC.gcm

Reporting of Results		Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)		Low	High	5 % of Mean
0.091		0.086	0.096	0.005

	Reported Results	
	0.091	

Calibration and control data are stored centrally.

Sample Name   : QC1-3
Vial #   : 58
Data Filename   : QC1-3_7232024_058.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 6:56:33 PM
Date Processed   : 7/23/2024 7:02:34 PM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
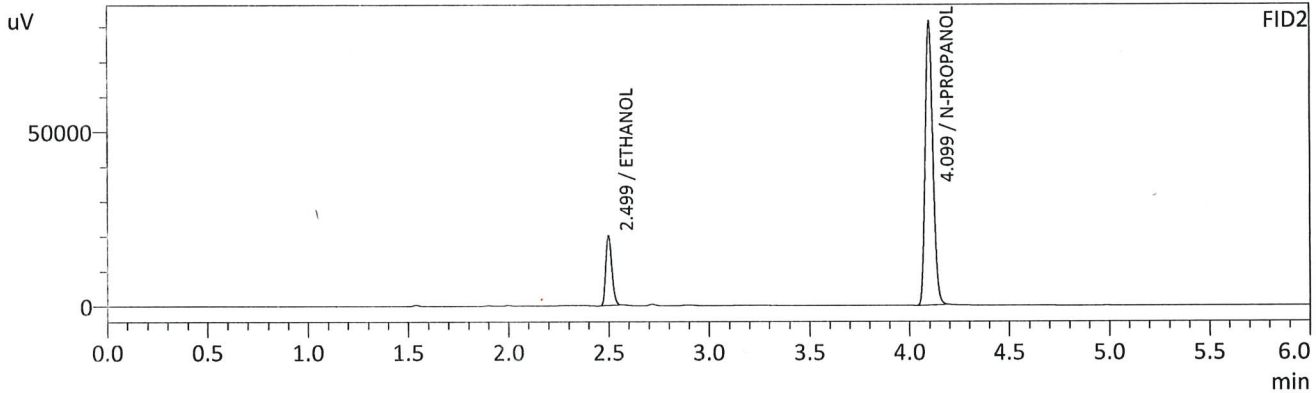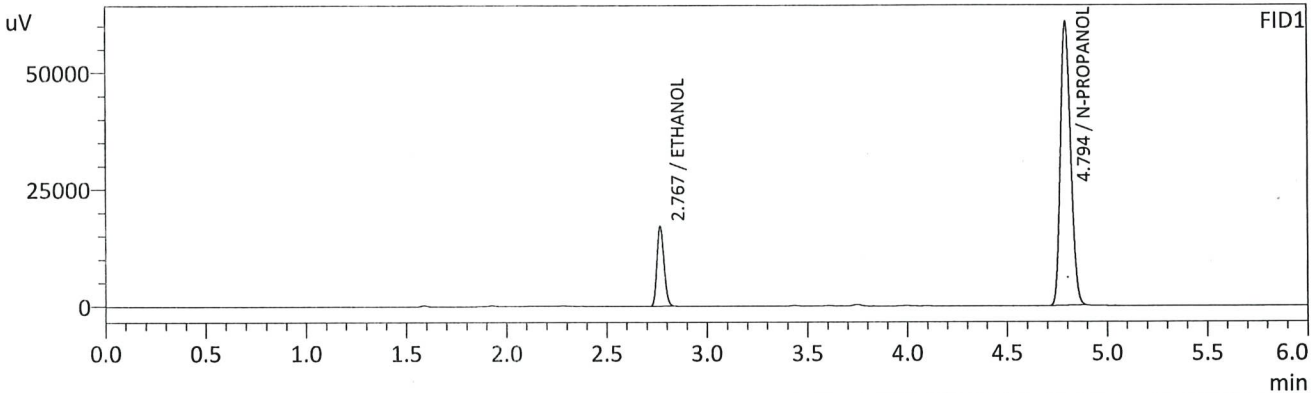
FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0915	g/100cc	41726	17064
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	215189	60695
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0916	g/100cc	41543	19991
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	217984	81201
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : QC1-3-B
Vial #   : 59
Data Filename   : QC1-3-B_7232024_059.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 7:06:02 PM
Date Processed   : 7/23/2024 7:12:04 PM
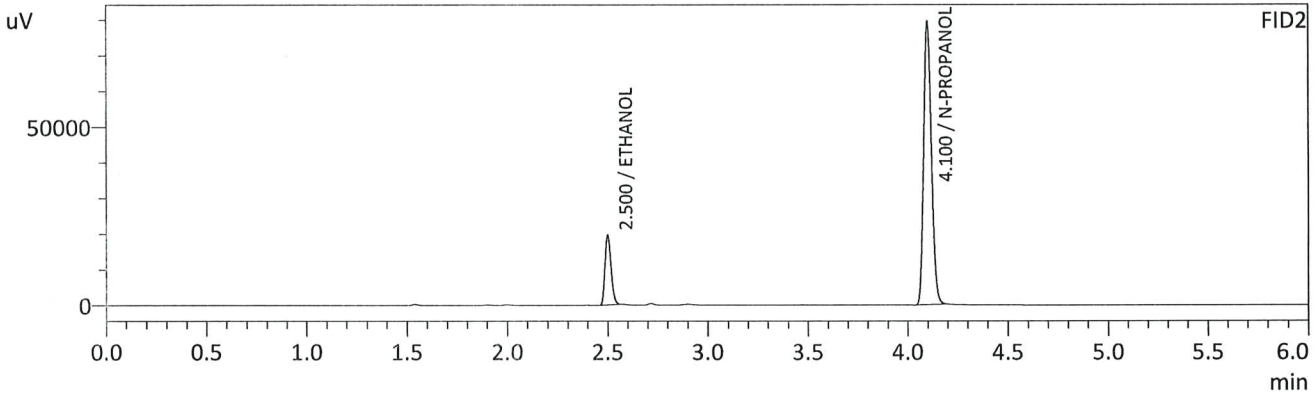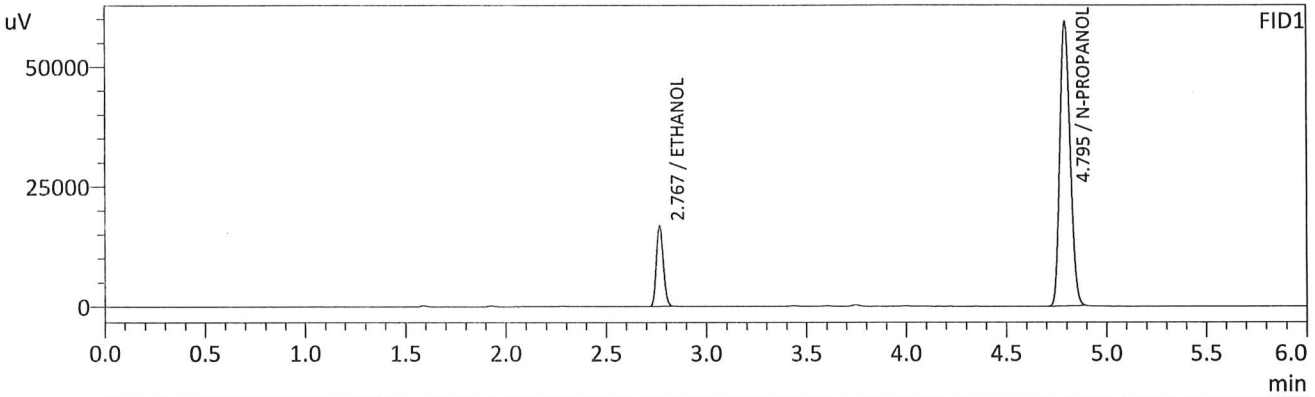Instrument   : GC SN- C12255850662 / HS SN- C12595700014

FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0920	g/100cc	40896	16693
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	209592	59259
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0920	g/100cc	40650	19479
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	212122	79359
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Sample Name   : DFE
Vial #   : 60
Data Filename   : DFE_7232024_060.gcd
Method Filename   : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 7:15:19 PM
Date Processed   : 7/23/2024 7:21:20 PM
Instrument   : GC SN- C12255850662 / HS SN- C12595700014
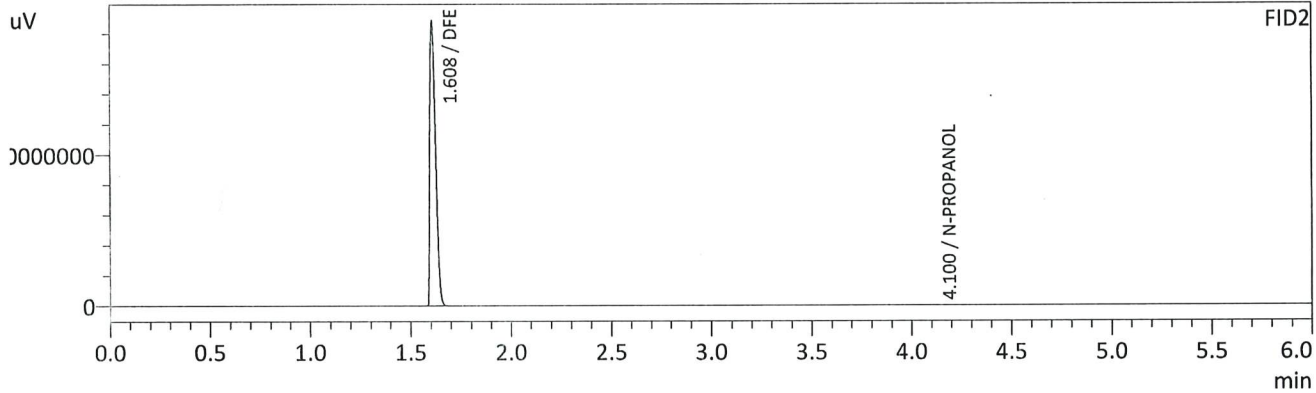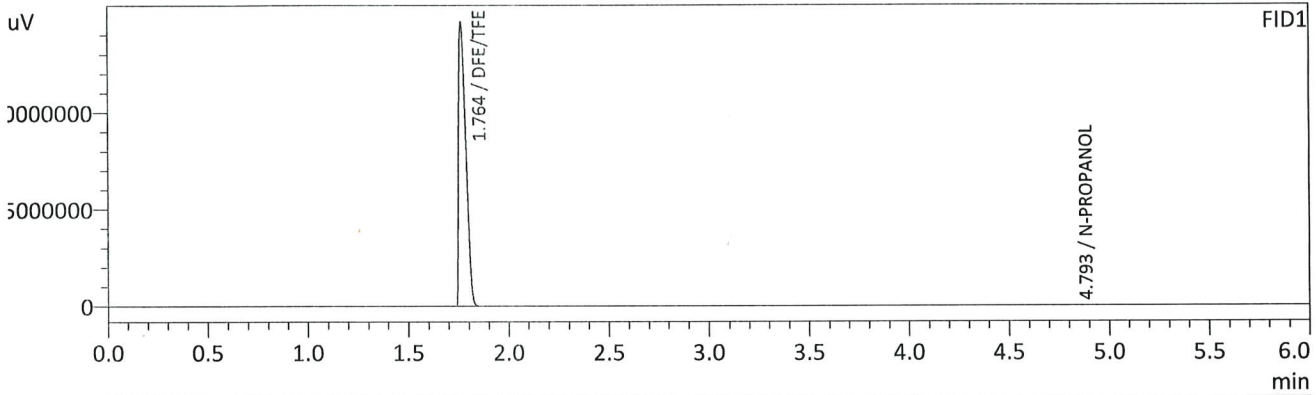
FID1

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	204851	57165
DFE/TFE	0.0000	g/100cc	182337921	72854849
DME	--	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	207138	76604
DFE	0.0000	g/100cc	186980946	94074994
TFE	--	g/100cc	--	--

Sample Name   : INT STD BLK 3
Vial #   : 61
Data Filename   : INT STD BLK 3_7232024_061.gcd
Method Filename : ALCOHOL_071124_RC.gcm
Batch Filename   : BATCH_072324_RC.gcb
Date Acquired   : 7/23/2024 7:25:09 PM
Date Processed   : 7/23/2024 7:31:11 PM
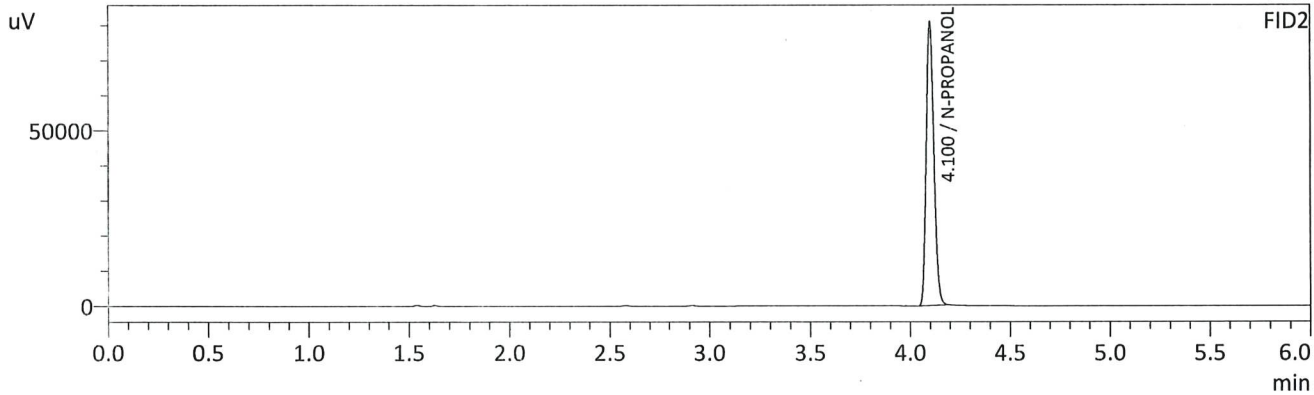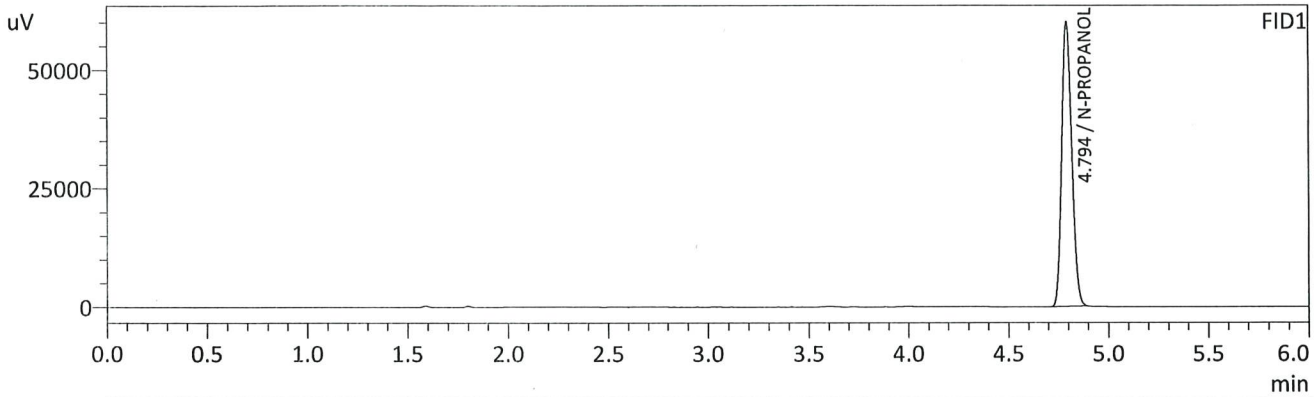Instrument   : GC SN- C12255850662 / HS SN- C12595700014

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	212342	59948
DFE/TFE	--	g/100cc	--	--
DME	--	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	215061	80794
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
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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	INT STD BLK 1	0:Unknown	ALCOHOL_071124_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_071124_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_071124_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_071124_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_071124_RC.gcm		0
8	P2024-1513-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
9	P2024-1513-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
10	P2024-2045-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
11	P2024-2045-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
12	P2024-2121-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
13	P2024-2121-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
14	P2024-2144-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
15	P2024-2144-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
16	P2024-2146-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
17	P2024-2146-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
18	P2024-2149-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
19	P2024-2149-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
20	P2024-2160-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
21	P2024-2160-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
22	P2024-2165-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
23	P2024-2165-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
24	P2024-2175-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
25	P2024-2175-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
28	P2024-2176-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
29	P2024-2176-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
30	P2024-2177-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
31	P2024-2177-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
32	P2024-2184-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
33	P2024-2184-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
34	P2024-2199-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
35	P2024-2199-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
36	P2024-2205-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
37	P2024-2205-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
38	P2024-2206-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
39	P2024-2206-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
40	P2024-2211-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
41	P2024-2211-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
42	P2024-2217-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
43	P2024-2217-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
44	P2024-2218-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
45	P2024-2218-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
46	P2024-2230-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
47	P2024-2230-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_071124_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
50	P2024-2236-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
51	P2024-2236-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
52	P2024-2237-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
53	P2024-2237-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
54	M2024-2630-2	0:Unknown	ALCOHOL_071124_RC.gcm		0
55	M2024-2630-2-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
56	M2024-2919-1	0:Unknown	ALCOHOL_071124_RC.gcm		0
57	M2024-2919-1-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
58	QC1-3	0:Unknown	ALCOHOL_071124_RC.gcm		0

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
59	QC1-3-B	0:Unknown	ALCOHOL_071124_RC.gcm		0
60	DFE	0:Unknown	ALCOHOL_071124_RC.gcm		0
61	INT STD BLK 3	0:Unknown	ALCOHOL_071124_RC.gcm		0