

REVIEWED

By Melissa (Nikka) Bradley at 3:24 pm, Oct 31, 2024

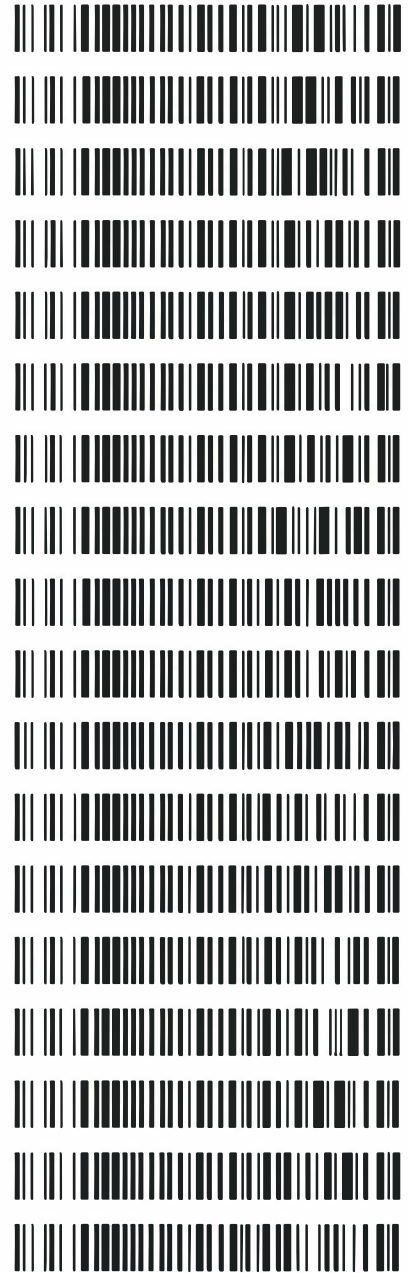
NB

TS

10/30/2024

Worklist: 6960

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-3164	1	BCK	Alcohol Analysis
P2024-3165	1	BCK	Alcohol Analysis
P2024-3166	1	BCK	Alcohol Analysis
P2024-3168	2	BCK	Alcohol Analysis
P2024-3169	1	BCK	Alcohol Analysis
P2024-3170	1	BCK	Alcohol Analysis
P2024-3197	1	BCK	Alcohol Analysis
P2024-3217	1	BCK	Alcohol Analysis
P2024-3238	1	BCK	Alcohol Analysis
P2024-3246	1	BCK	Alcohol Analysis
P2024-3253	1	BCK	Alcohol Analysis
P2024-3270	1	BCK	Alcohol Analysis
P2024-3275	1	BCK	Alcohol Analysis
P2024-3277	1	BCK	Alcohol Analysis
P2024-3278	1	BCK	Alcohol Analysis
P2024-3283	1	BCK	Alcohol Analysis
P2024-3288	1	BCK	Alcohol Analysis
P2024-3289	1	BCK	Alcohol Analysis



*Sample P2024-3043-1 from worklist 6951 also ran with this batch.
- 10-30-24
TS

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):

10/29/2024

Calibration Date: (if different)

Worklist #:

6960

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0818 g/100cc	
					0.0885 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2069 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	2028 May	Lot #	FN02162310	
Curve Fit:			Column 1	0.99993	Column2	0.99987

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0513	0.0518	0.0005	0.0515
100	0.100	0.090 - 0.110	0.1004	0.1004	0	0.1004
200	0.200	0.180 - 0.220	0.1984	0.1978	0.0006	0.1981
300	0.300	0.270 - 0.330	0.2984	0.2979	0.0005	0.2981
400	0.400	0.360 - 0.440	-	-	#####	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5018	0.0005	0.5015

Aqueous Controls

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

Revision: 5

Issue Date: 07/05/2022

Internal Standard Monitoring Worksheet

Worklist #:	6960	Run Date(s):	10/29/2024
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Internal Standard Solution:	Prep Date: 10/9/2024	Exp Date: 4/9/2025
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Sample Name	Column 1 Value	Column 2 Value
0.080	199998	198244
0.080	200444	198743
QC1	203052	201448
QC1	202744	201104
QC1	218752	217071
QC1	212018	210281
QC1		
QC1		
QC2	196726	194459
QC2	202377	200439
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	204513.9	163611.1	245416.7
Column 2	202723.6	162178.9	243268.4

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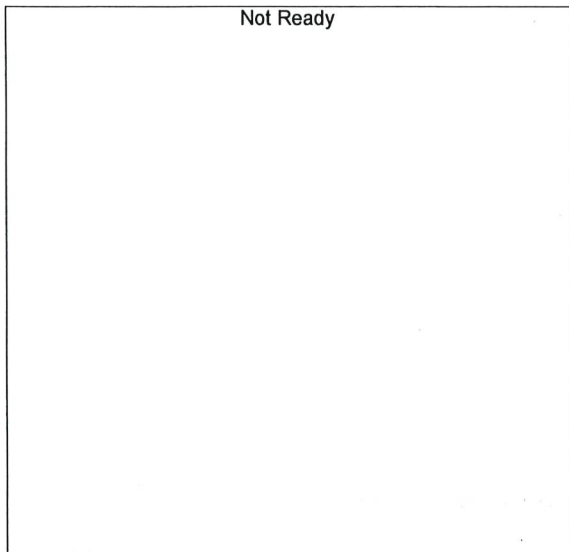
Calibration Table

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TS

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

<<Data File>>
 Method File :Default Project - ALCOHOL_102924_TS.gcm
 Batch File :Default Project - BATCH_102924_TS.gcb
 Date Acquired :10/29/2024 4:13:26 PM
 Date Created :10/29/2024 4:09:58 PM
 Date Modified :10/30/2024 6:44:27 AM



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

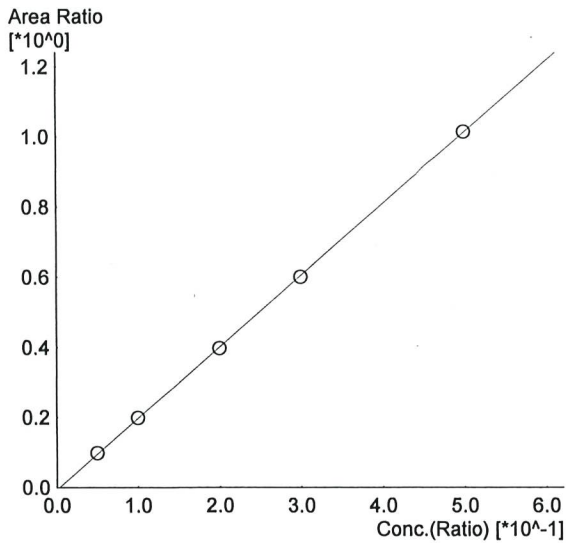
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R^2 value= 0
 FitType: Linear
 ZeroThrough: Not Through

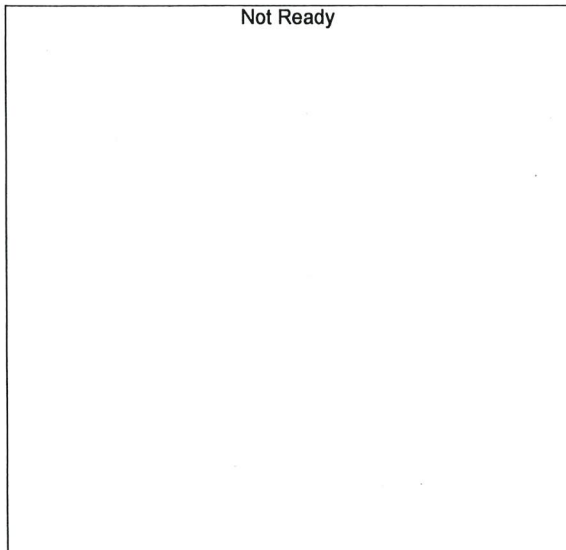
#	Conc.	Area	Std. Conc.	Data File Name
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TS



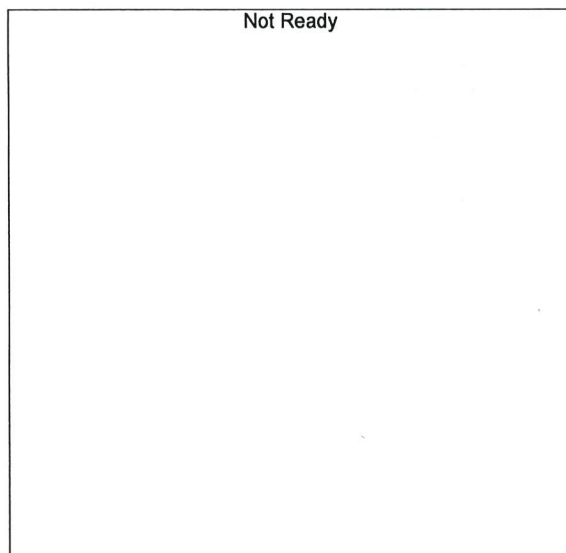
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.03555*x-0.00686442$
 R² value= 0.9999340
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19520	0.0513	0.050_10292024_001.gcd
2	0.100	39639	0.1004	0.100_10292024_002.gcd
3	0.200	80417	0.1984	0.200_10292024_003.gcd
4	0.300	121868	0.2984	0.300_10292024_004.gcd
5	0.500	206351	0.5013	0.500_10292024_005.gcd



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

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

#	Conc.	Area	Std. Conc.	Data File Name
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15

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
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Not Ready

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

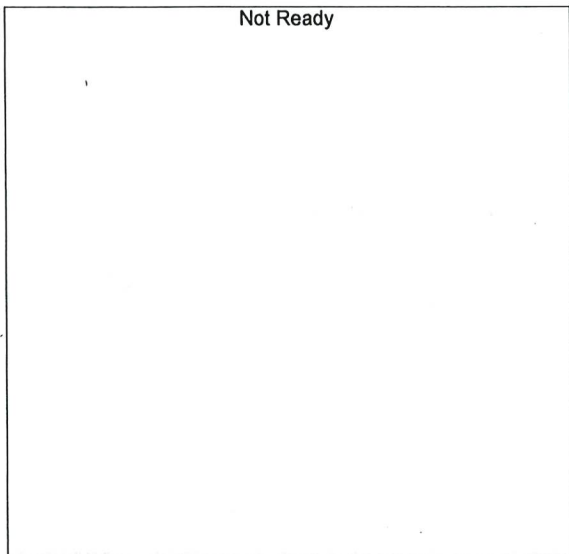
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

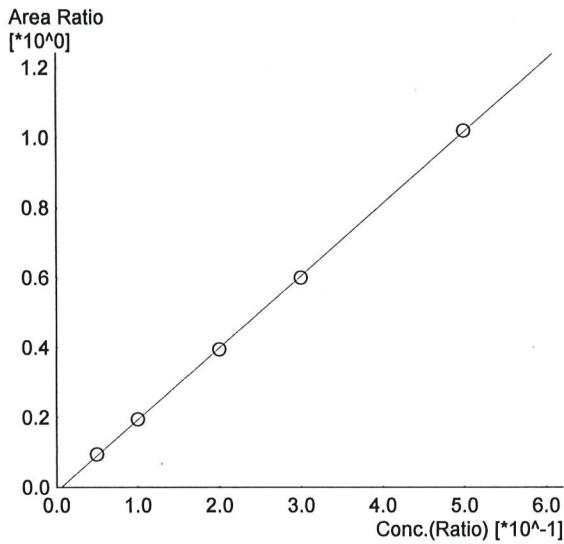
#	Conc.	Area	Std. Conc.	Data File Name
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TS



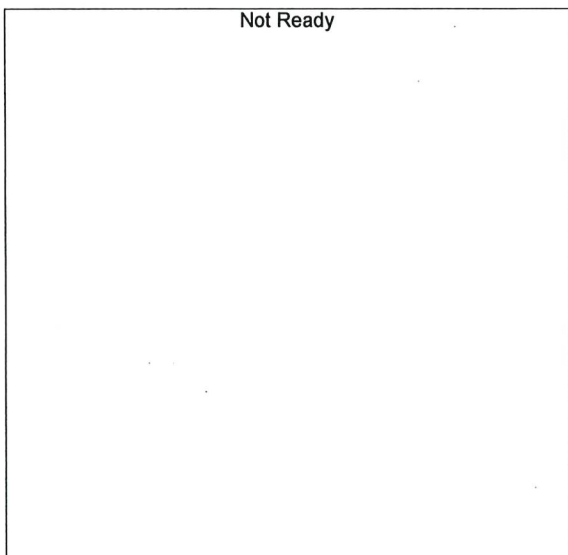
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.05649*x-0.0122685$
 R² value= 0.9998760 ✓
 FitType: Linear
 ZeroThrough: Not Through

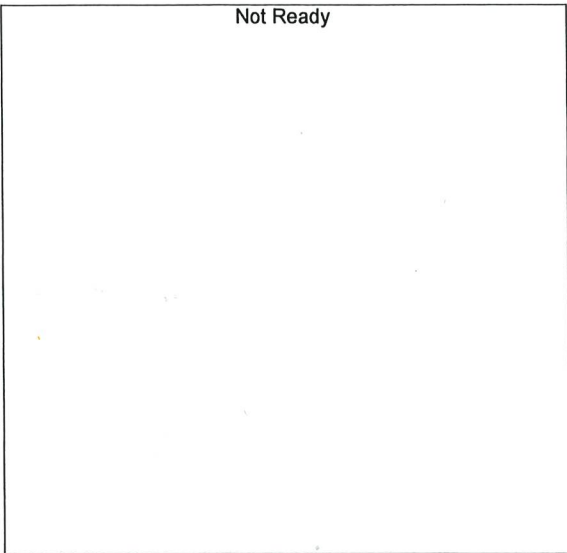
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18716	0.0518	0.050_10292024_001.gcd
2	0.100	38640	0.1004	0.100_10292024_002.gcd
3	0.200	79433	0.1978	0.200_10292024_003.gcd
4	0.300	121065	0.2979	0.300_10292024_004.gcd
5	0.500	206722	0.5018	0.500_10292024_005.gcd



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

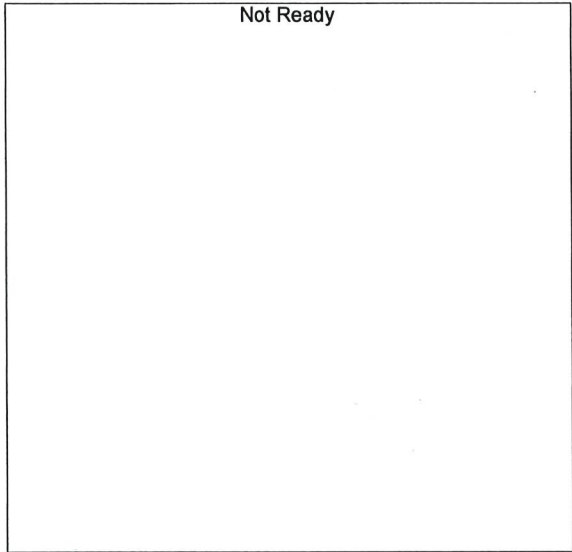
#	Conc.	Area	Std. Conc.	Data File Name
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15



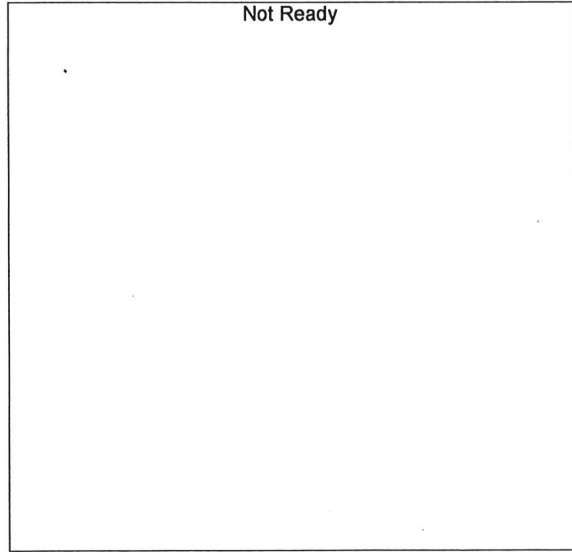
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : DFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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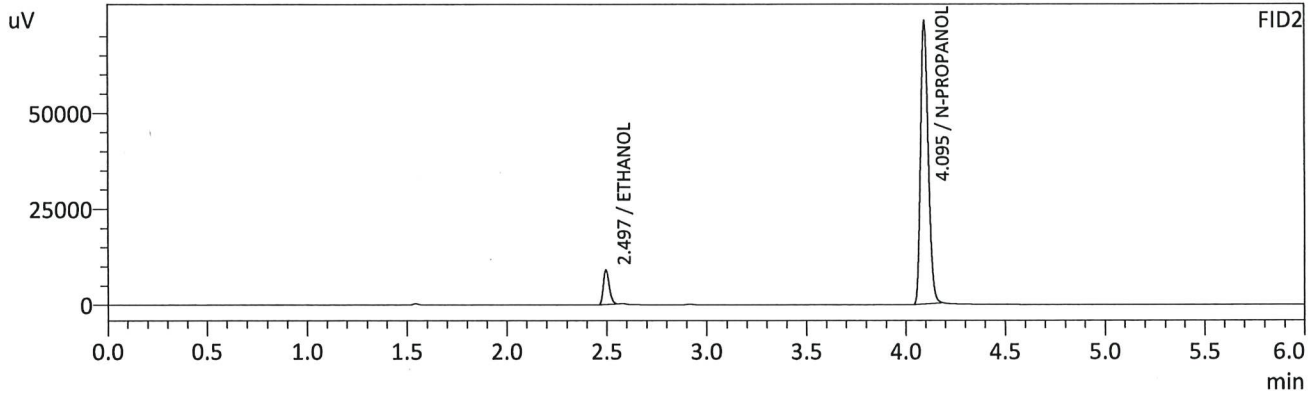
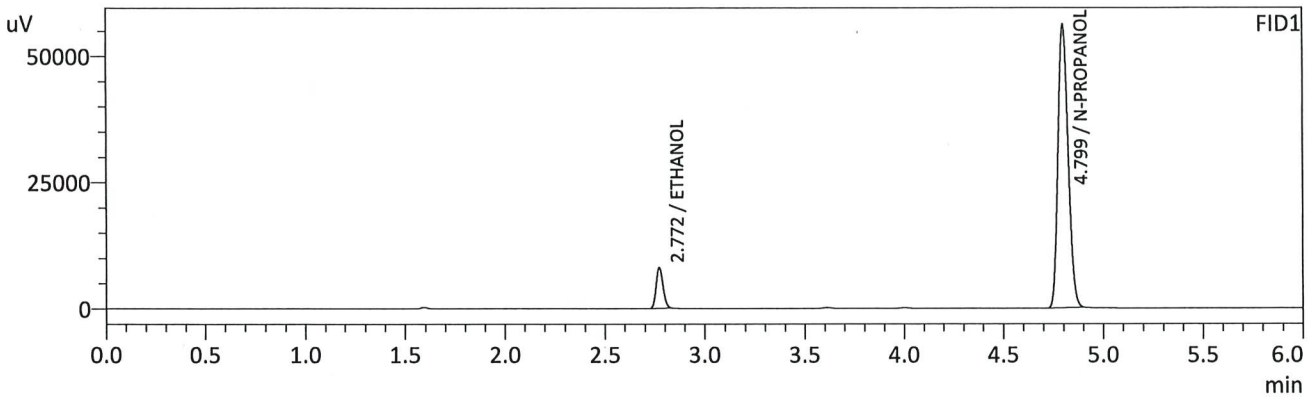


Name : TFE
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_10292024_001.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 3:35:19 PM
 Date Processed : 10/30/2024 6:44:12 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

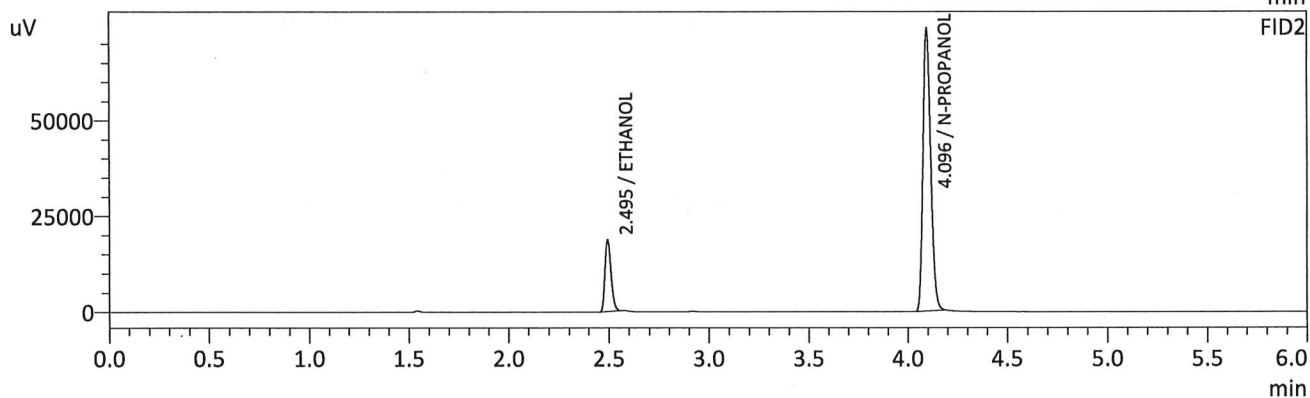
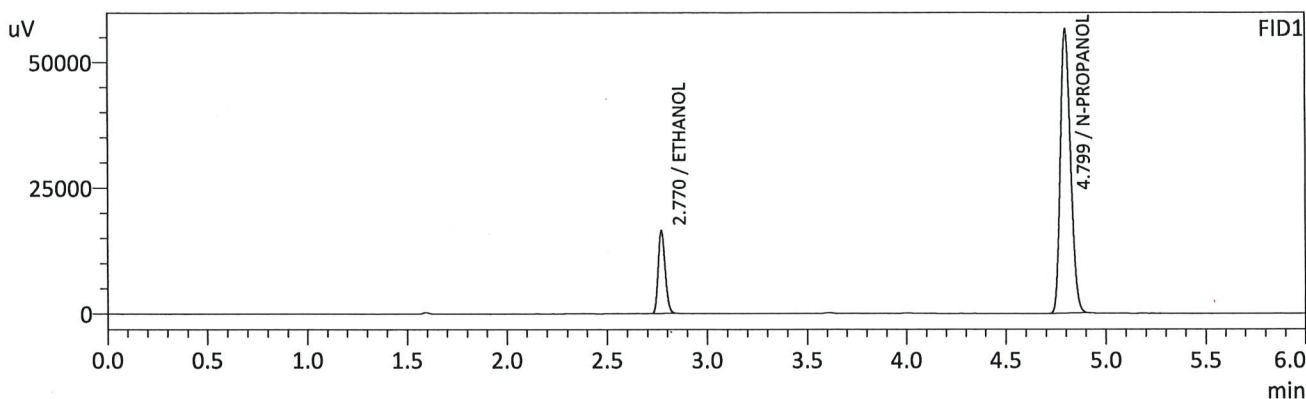
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0513	g/100cc	19520	8048
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200032	56175
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	18716	8915
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198168	73799
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_10292024_002.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 3:44:49 PM
 Date Processed : 10/30/2024 6:44:16 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

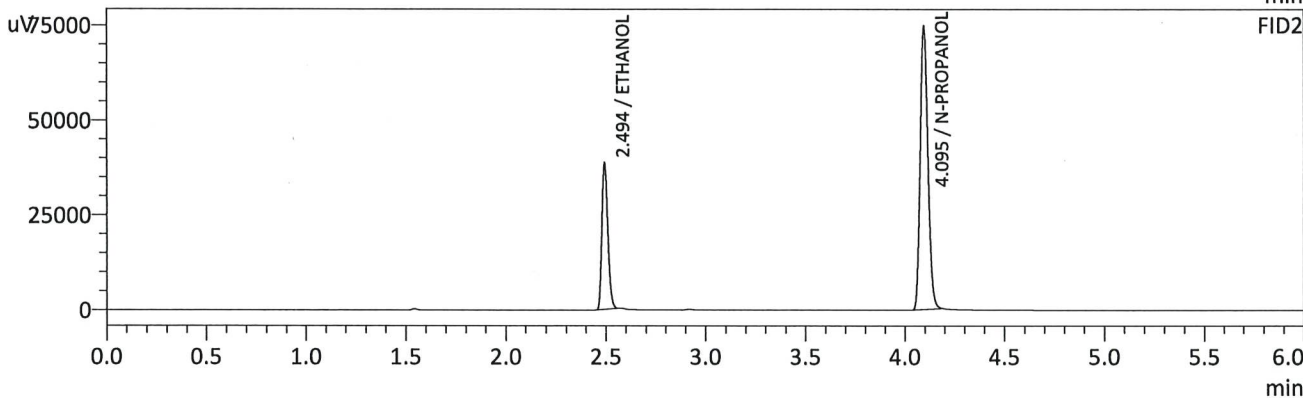
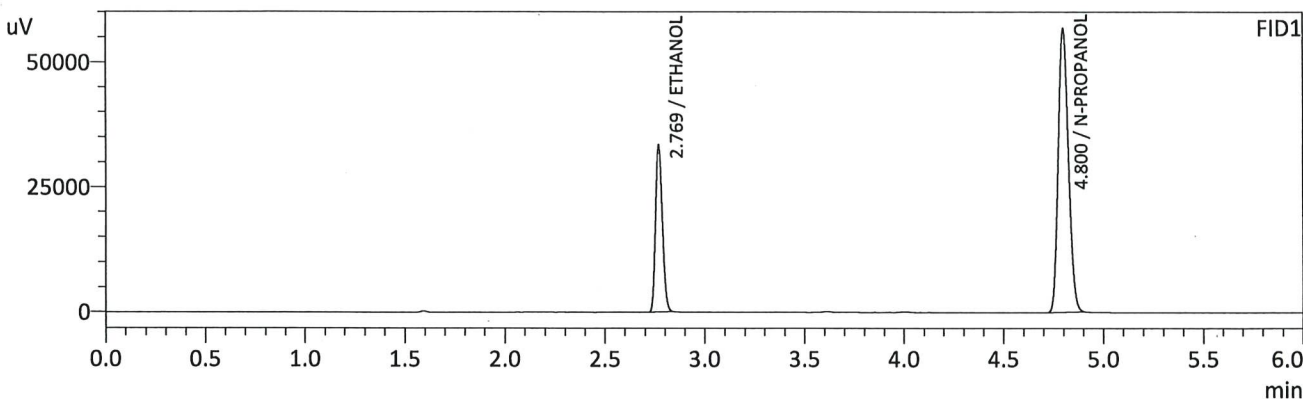
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	39639	16412
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200588	56433
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	38640	18656
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198764	73818
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_10292024_003.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 3:54:10 PM
 Date Processed : 10/30/2024 6:44:20 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

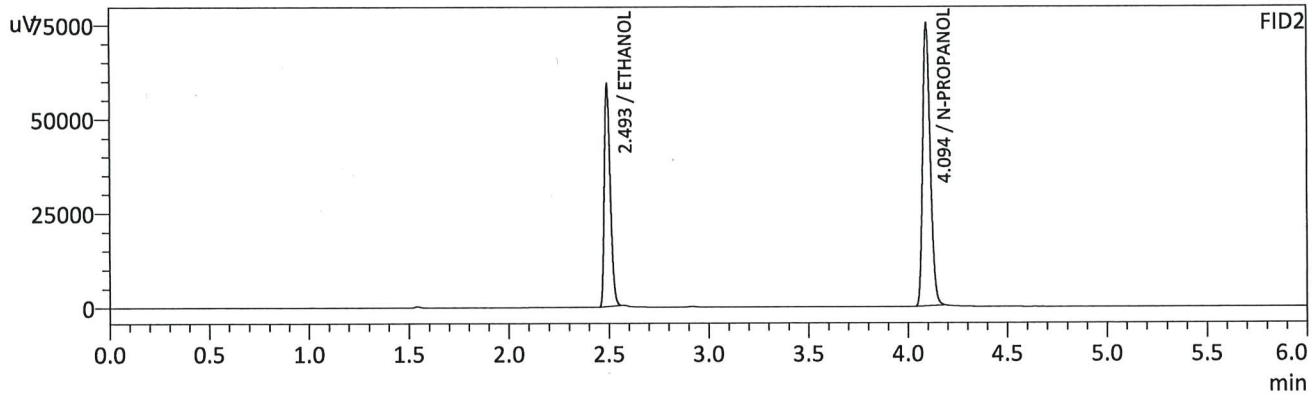
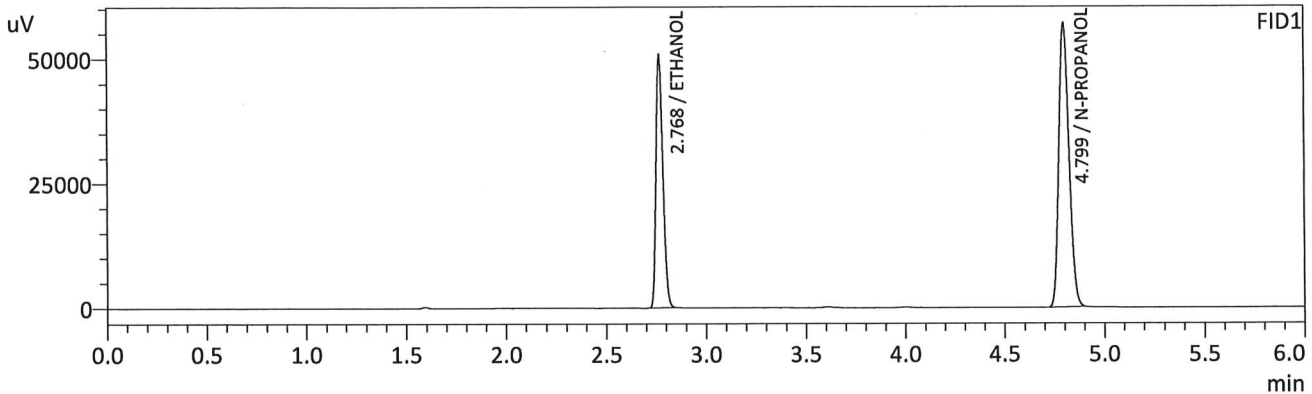
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1984	g/100cc	80417	33358
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202519	56737
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1978	g/100cc	79433	38492
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201255	74676
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_10292024_004.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:03:55 PM
 Date Processed : 10/30/2024 6:44:24 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

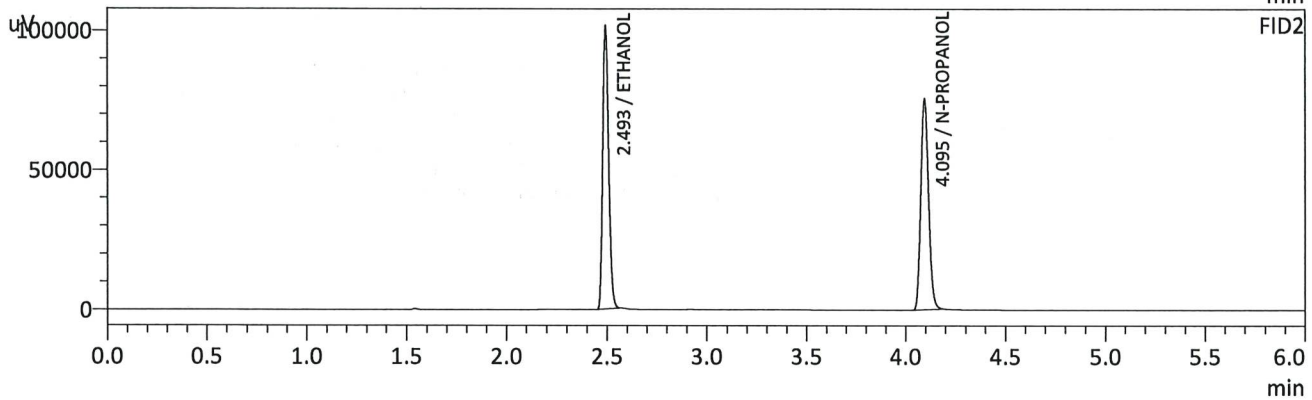
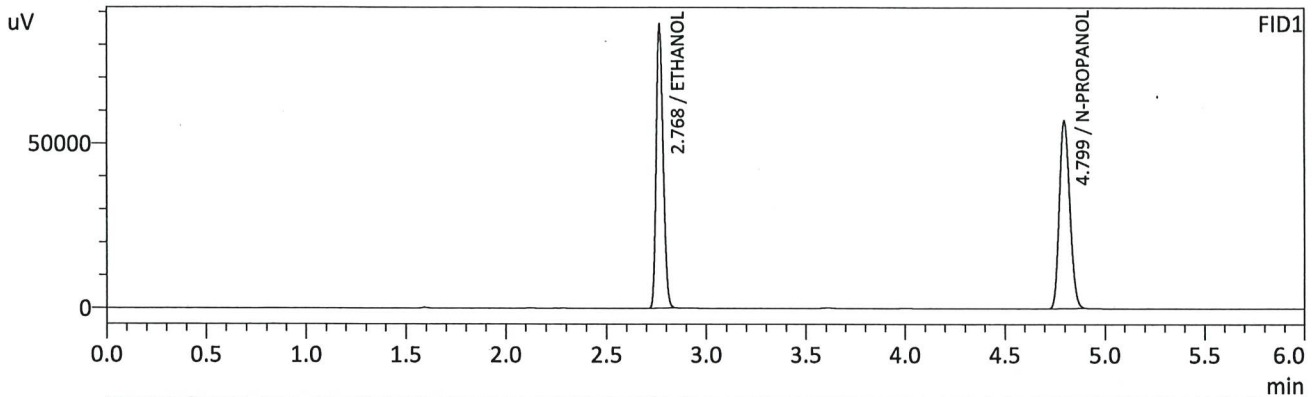
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2984	g/100cc	121868	50391
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202886	56880
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2979	g/100cc	121065	58631
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201642	74950
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_10292024_005.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:13:26 PM
 Date Processed : 10/30/2024 6:44:27 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

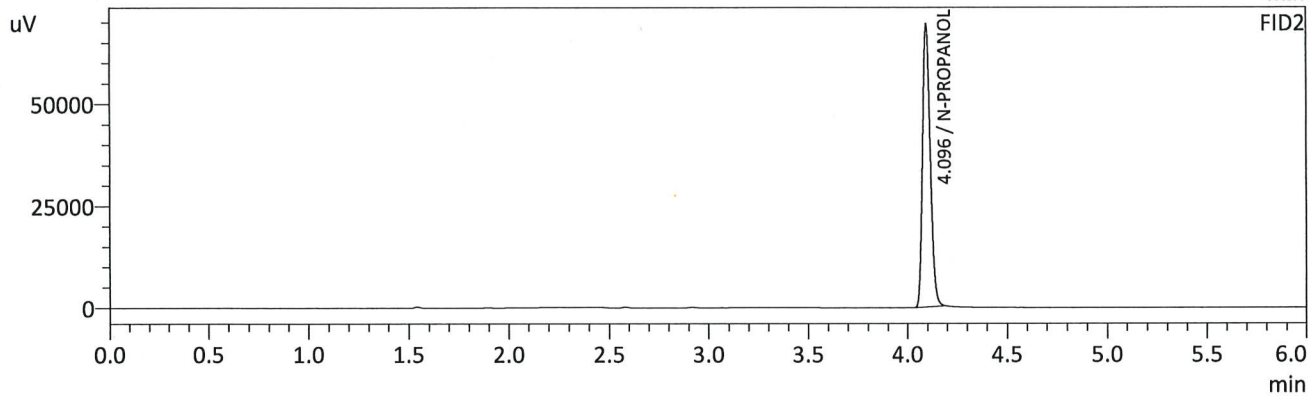
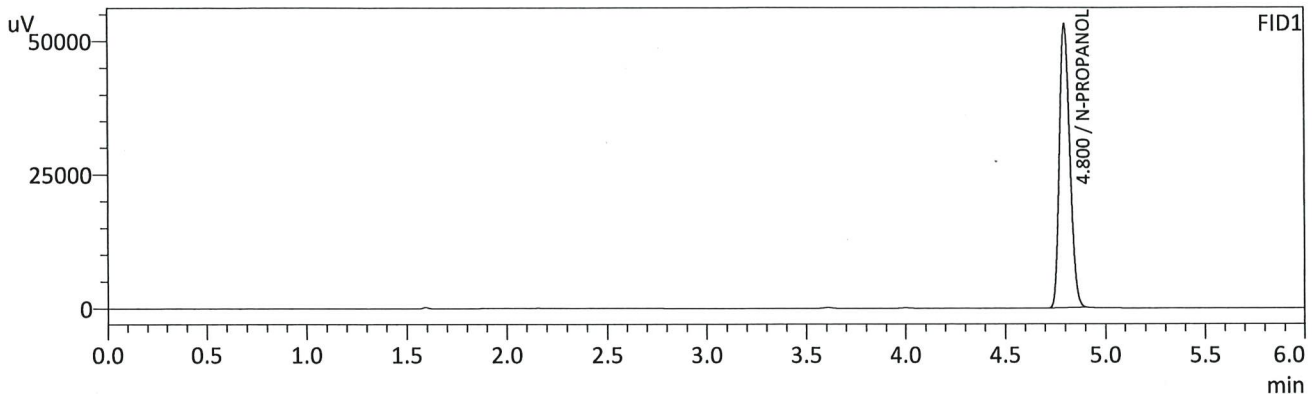
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5013	g/100cc	206351	85375
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203583	56943
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5018	g/100cc	206722	100249
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202730	75334
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_10292024_006.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:22:43 PM
 Date Processed : 10/29/2024 4:28:45 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

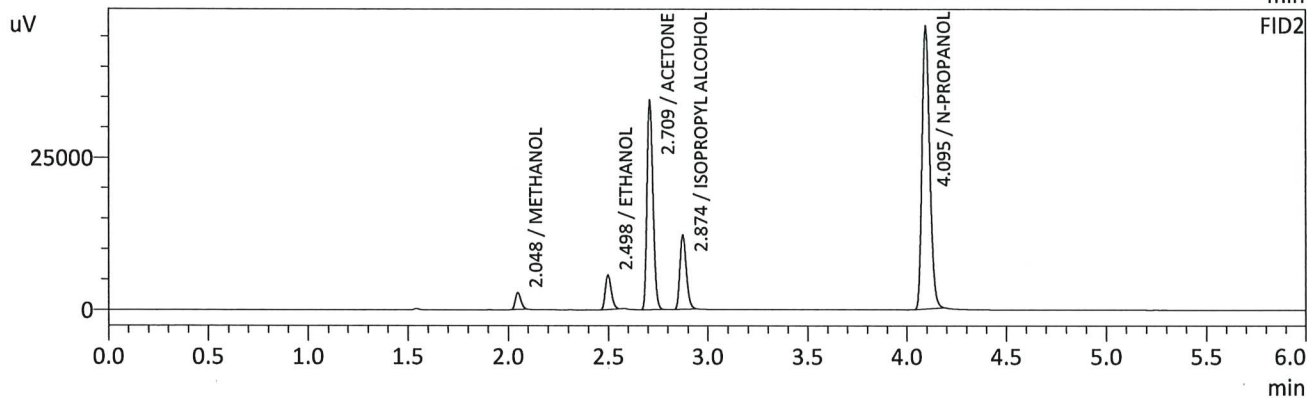
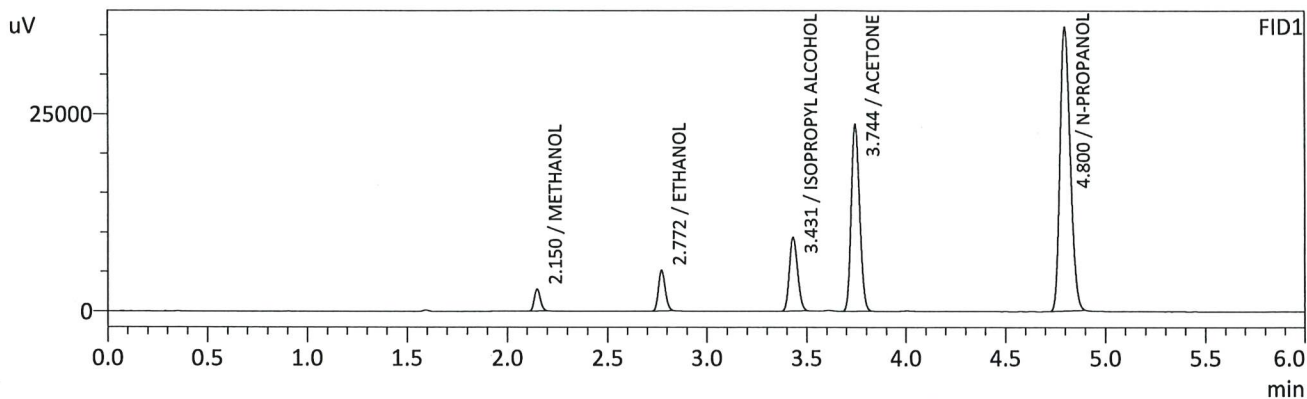
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	188633	53044
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	186029	69262
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_10292024_007.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:32:27 PM
 Date Processed : 10/29/2024 4:38:29 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

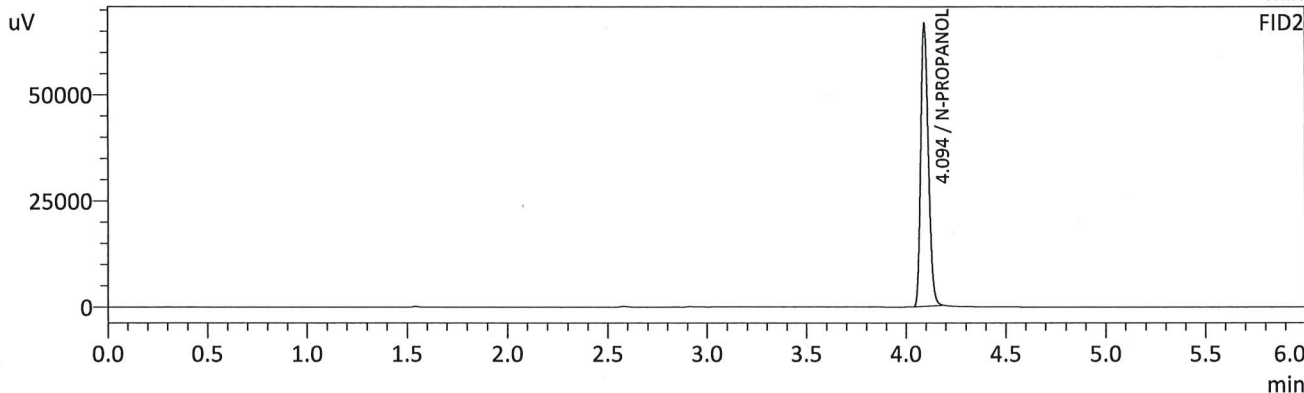
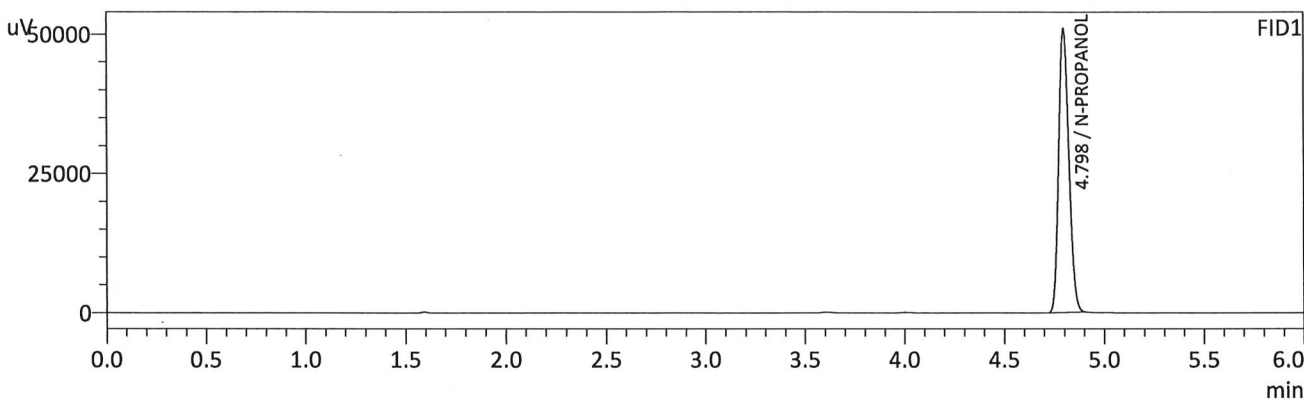
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	5823	2754
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0507	g/100cc	12265	5064
ISOPROPYL ALCOHOL	0.0000	g/100cc	26576	9303
ACETONE	0.0000	g/100cc	69217	23627
N-PROPANOL	0.0000	g/100cc	127234	35957
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	5498	2759
ETHANOL	0.0512	g/100cc	11603	5594
ACETONE	0.0000	g/100cc	71085	34343
ISOPROPYL ALCOHOL	0.0000	g/100cc	26663	12047
N-PROPANOL	0.0000	g/100cc	124622	46532
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_10292024_008.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:42:00 PM
 Date Processed : 10/29/2024 4:48:01 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	179992	50837
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	177311	66407
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 10/29/2024 5:10:34 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0813	0.0815	0.0002	0.0814	0.0001	0.0813
(g/100cc)	0.0813	0.0814	0.0001	0.0813		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_102924_TS.gcm

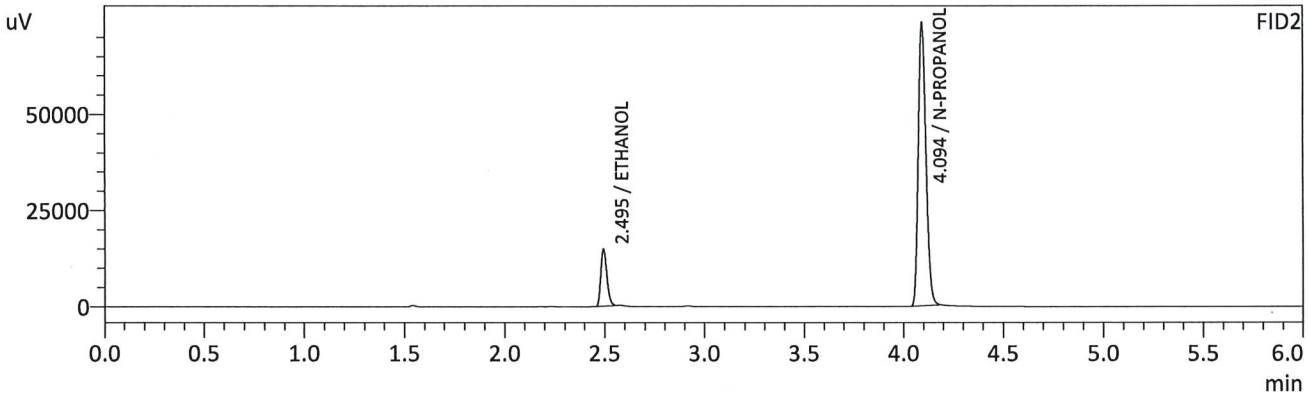
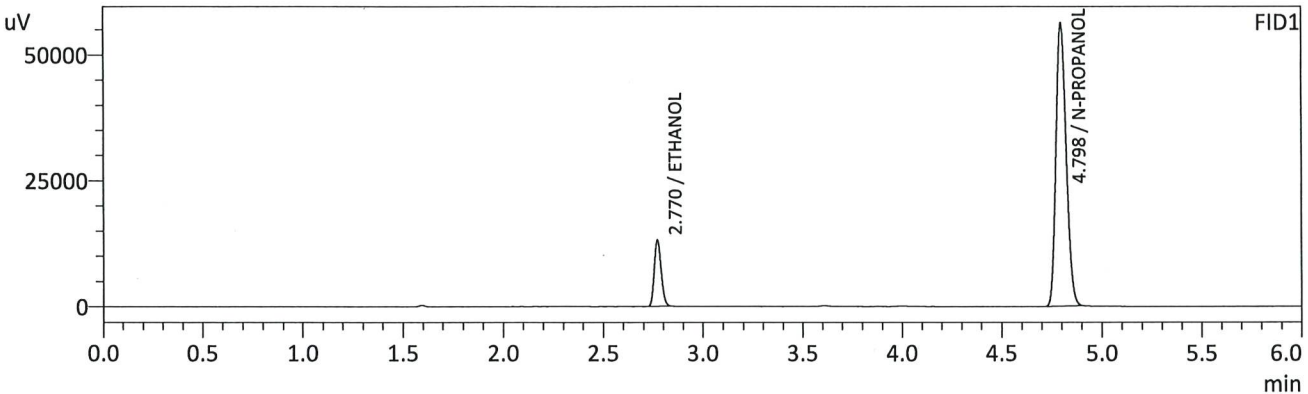
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

TS

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_10292024_011.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 5:10:34 PM
 Date Processed : 10/29/2024 5:16:36 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

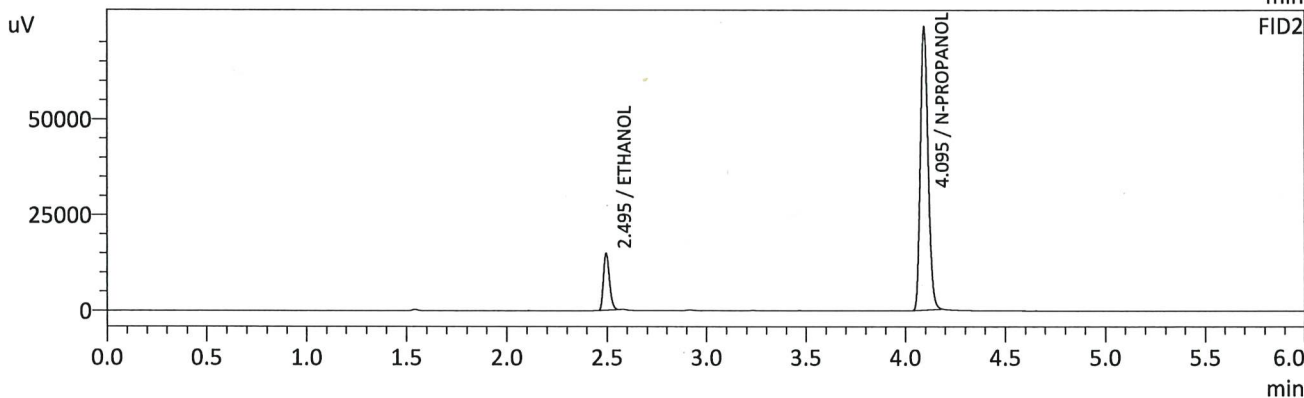
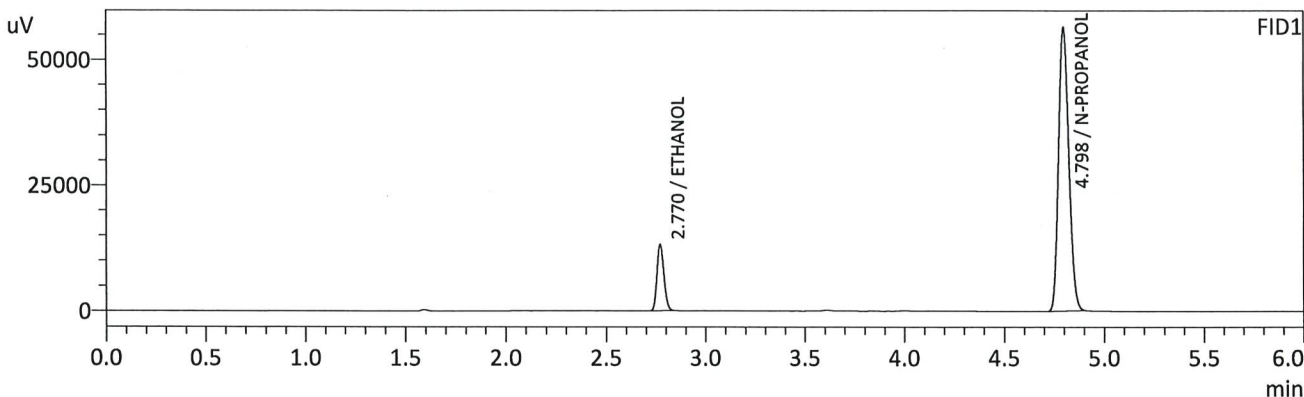
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	31740	13123
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	199998	56033
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	30796	14792
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198244	73354
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_10292024_012.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 5:19:53 PM
 Date Processed : 10/29/2024 5:25:54 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0813	g/100cc	31832	13146
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200444	56301
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	30846	14813
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	198743	73802
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 10/29/2024 4:51:19 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0818	0.0818	0.0000	0.0818	0.0000	0.0818
(g/100cc)	0.0818	0.0819	0.0001	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_102924_TS.gcm

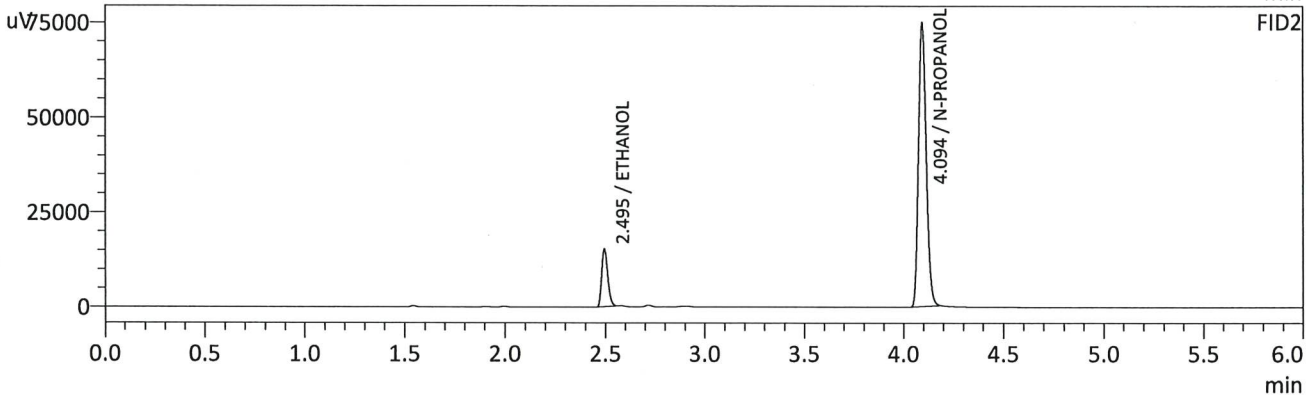
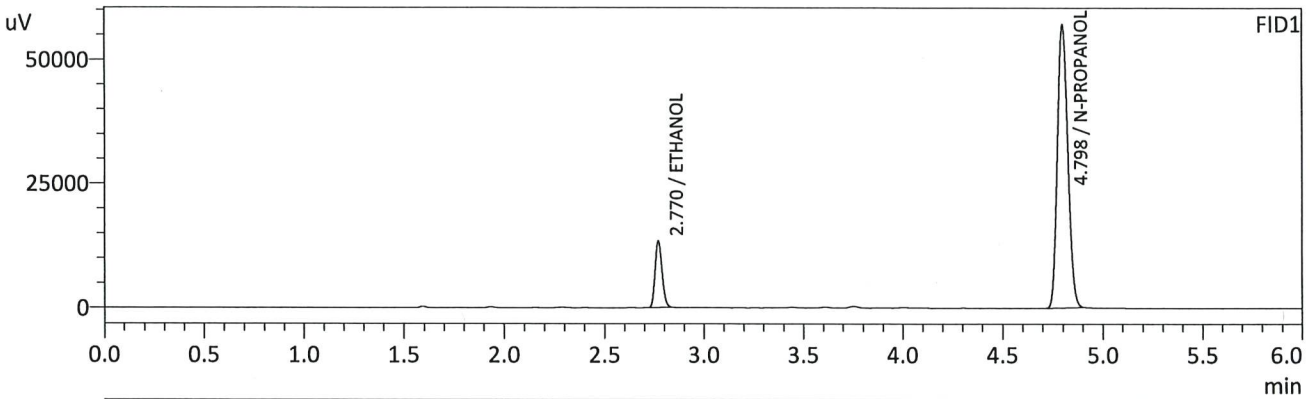
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

RS

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_10292024_009.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 4:51:19 PM
 Date Processed : 10/29/2024 4:57:20 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

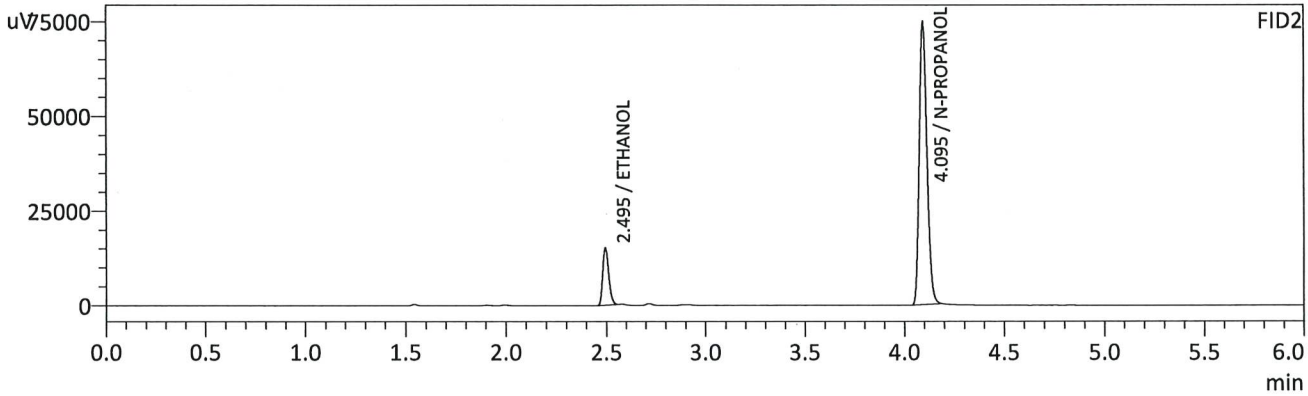
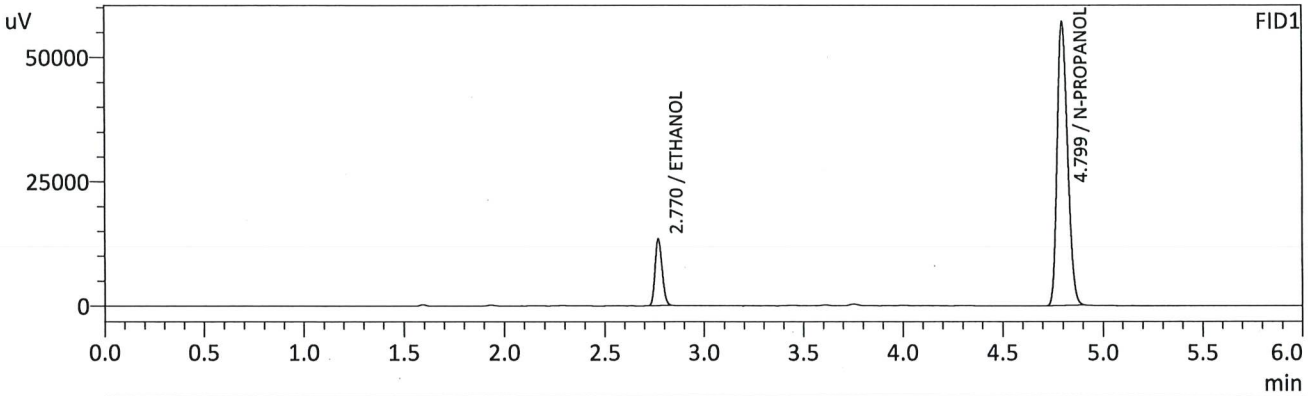
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	32430	13403
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	203052	56899
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	31446	15145
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201448	74662
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

15

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_10292024_010.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 5:01:02 PM
 Date Processed : 10/29/2024 5:07:03 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	32370	13382
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202744	56975
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0819	g/100cc	31406	15094
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	201104	74686
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 10/29/2024 11:50:30 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0884	0.0882	0.0002	0.0883	0.0004	0.0885
(g/100cc)	0.0888	0.0886	0.0002	0.0887		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_102924_TS.gcm

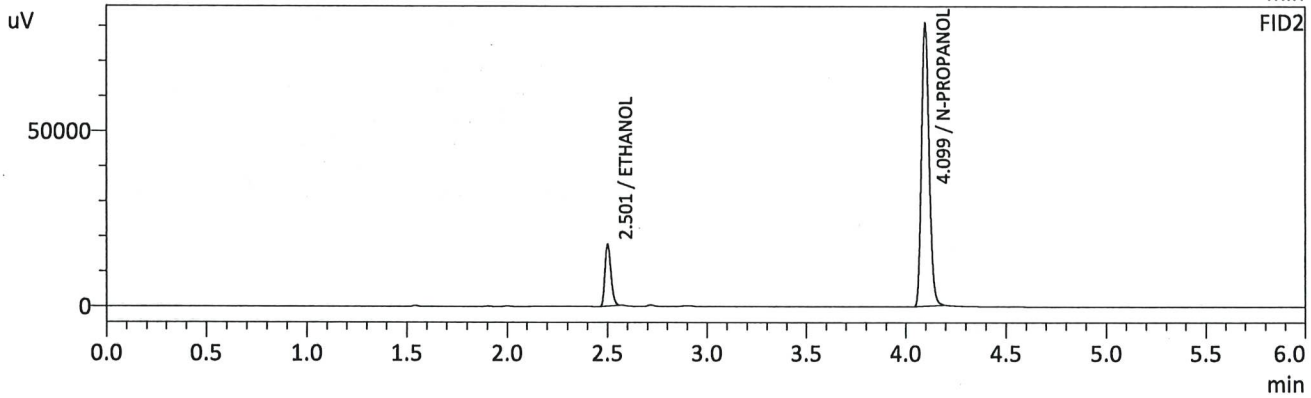
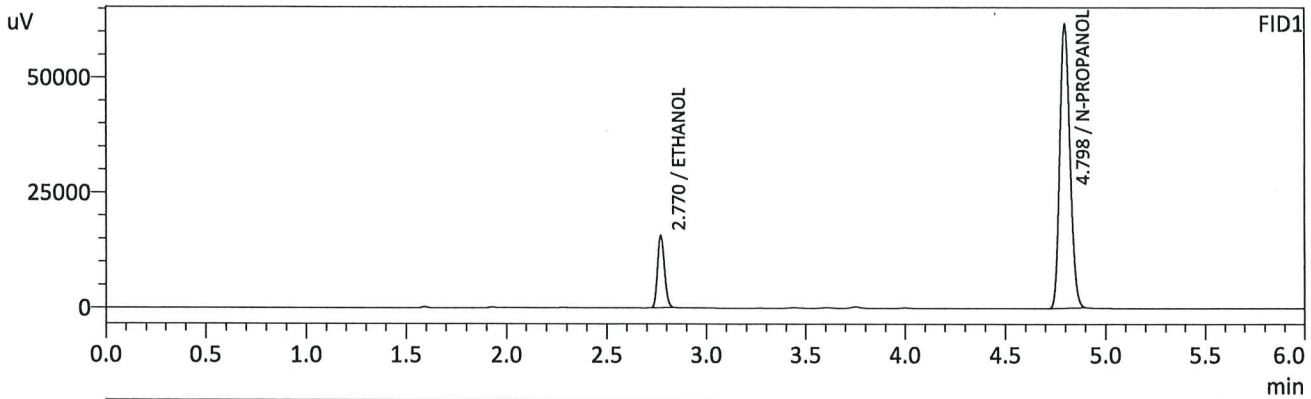
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

	Reported Results
	0.088

Calibration and control data are stored centrally.

TS

Sample Name : QC1-2
 Vial # : 53
 Data Filename : QC1-2_10292024_053.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 11:50:30 PM
 Date Processed : 10/29/2024 11:56:32 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

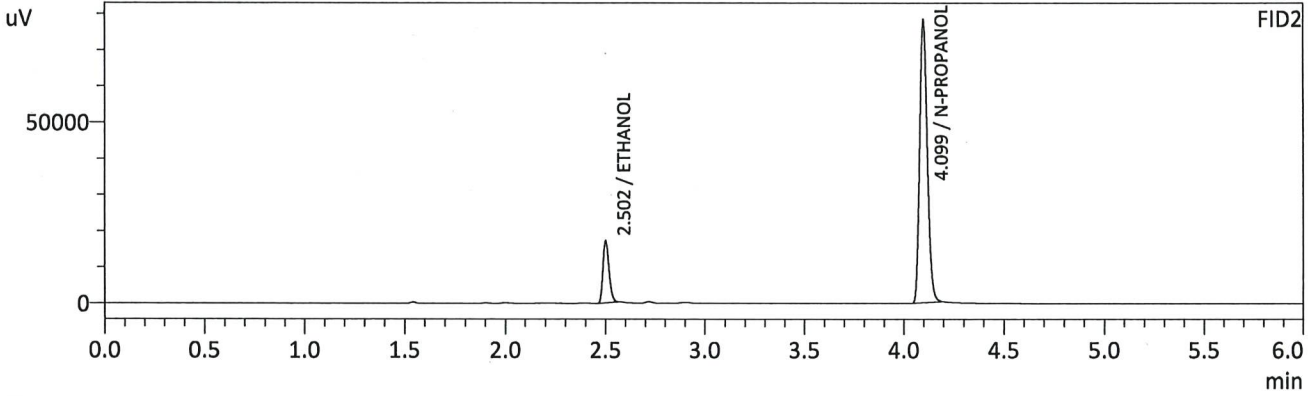
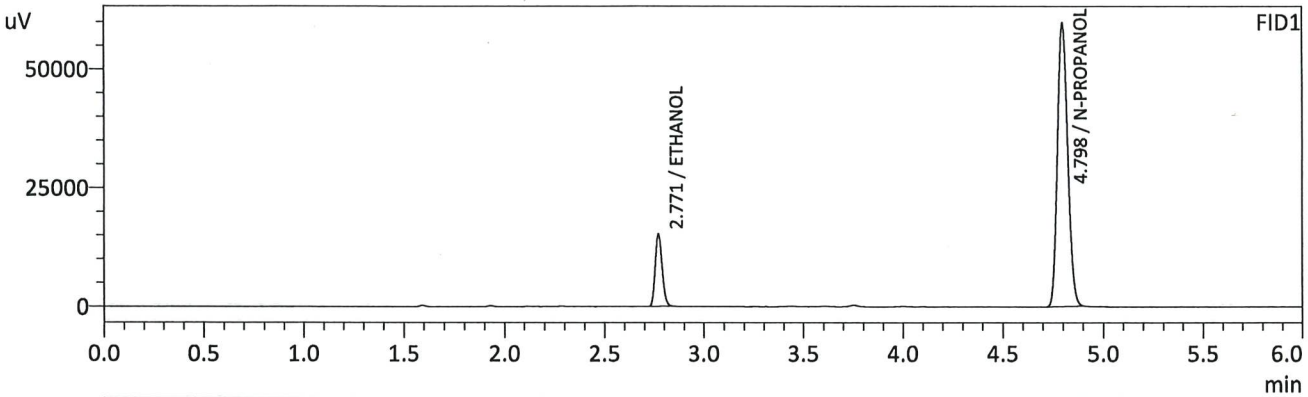
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0884	g/100cc	37875	15574
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	218752	61415
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	36739	17414
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	217071	80432
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : QC1-2-B
 Vial # : 54
 Data Filename : QC1-2-B_10292024_054.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 11:59:48 PM
 Date Processed : 10/30/2024 12:05:49 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0888	g/100cc	36911	15176
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	212018	59559
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0886	g/100cc	35751	16907
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	210281	78100
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 10/29/2024 8:21:00 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2042	0.2040	0.0002	0.2041	0.0057	0.2069
(g/100cc)	0.2097	0.2099	0.0002	0.2098		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_102924_TS.gcm

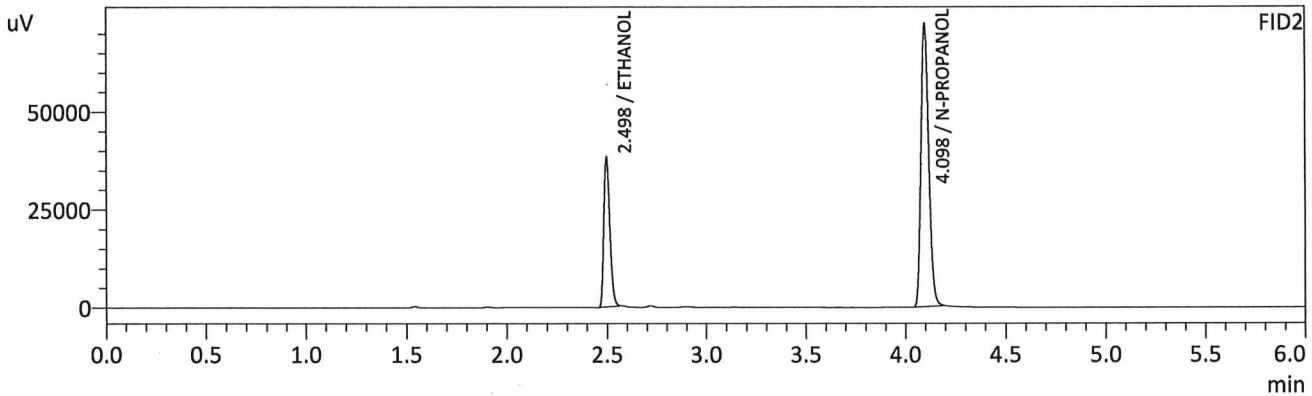
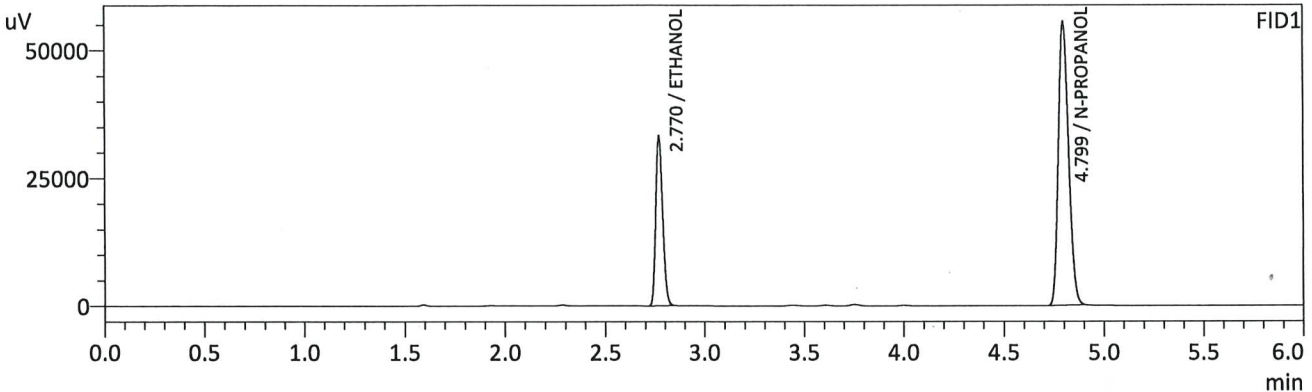
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

	Reported Results	
	0.206	

Calibration and control data are stored centrally.

TS

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_10292024_031.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 8:21:00 PM
 Date Processed : 10/29/2024 8:27:01 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

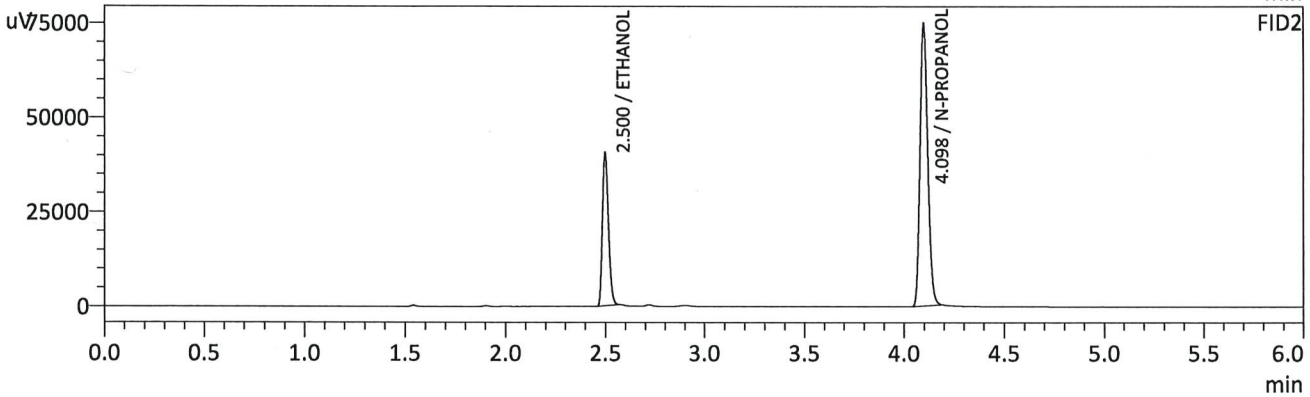
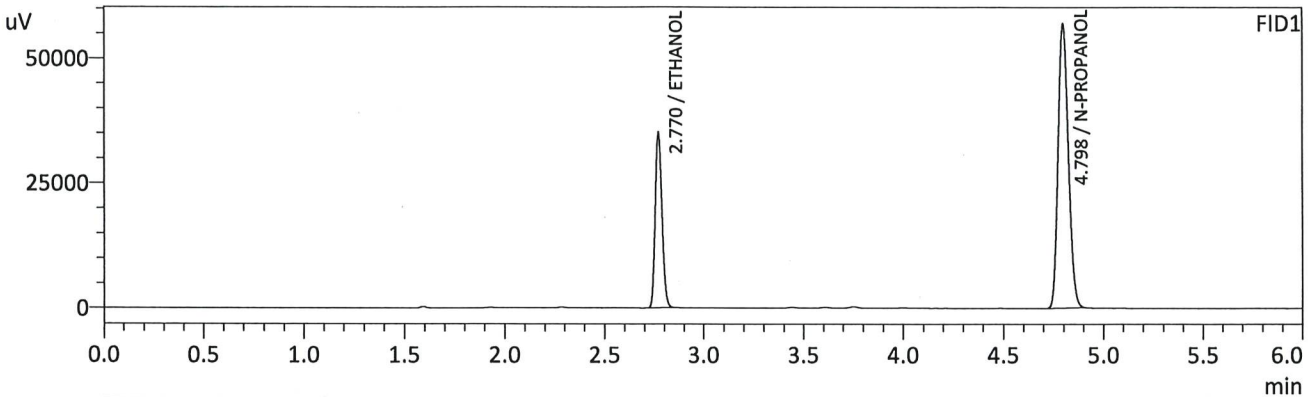
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2042	g/100cc	80422	33155
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	196726	55462
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2040	g/100cc	79212	38018
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	194459	71848
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

B

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_10292024_032.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/29/2024 8:30:32 PM
 Date Processed : 10/29/2024 8:36:34 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

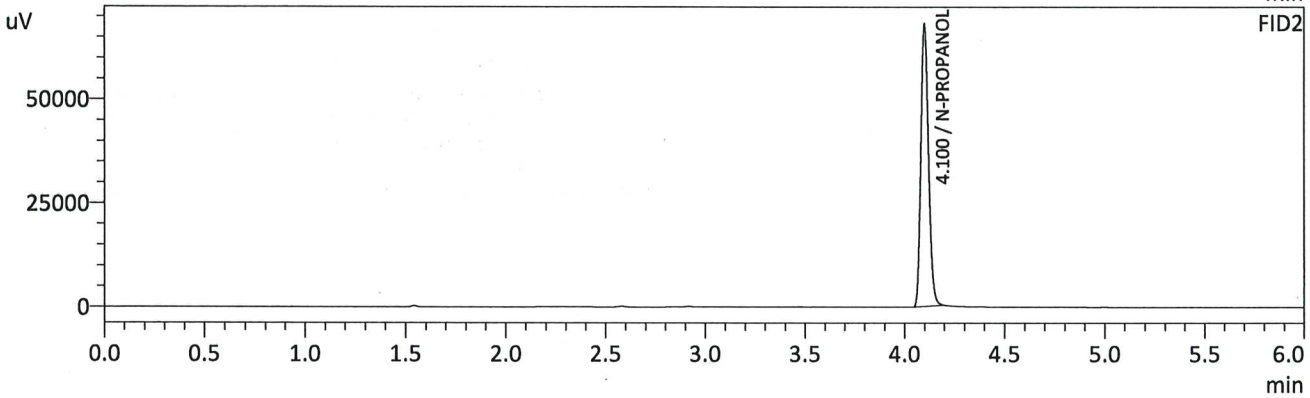
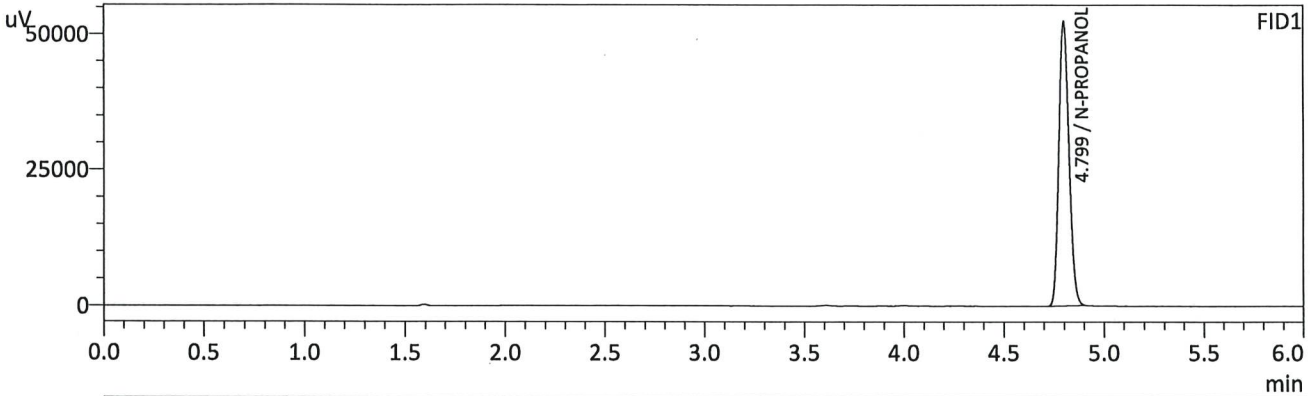
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2097	g/100cc	85036	35060
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	202377	56791
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2099	g/100cc	84100	40484
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	200439	74443
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_10292024_055.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/30/2024 12:09:33 AM
 Date Processed : 10/30/2024 12:15:35 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

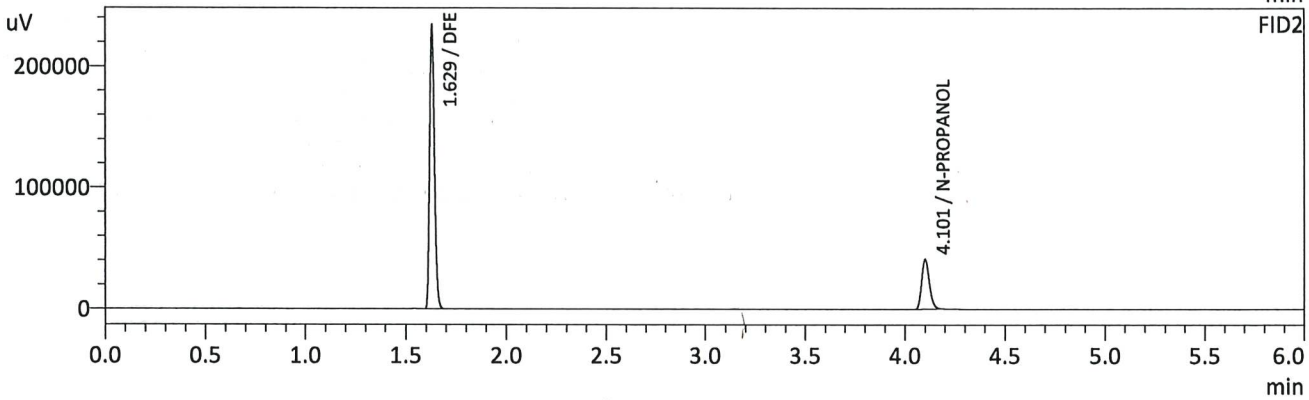
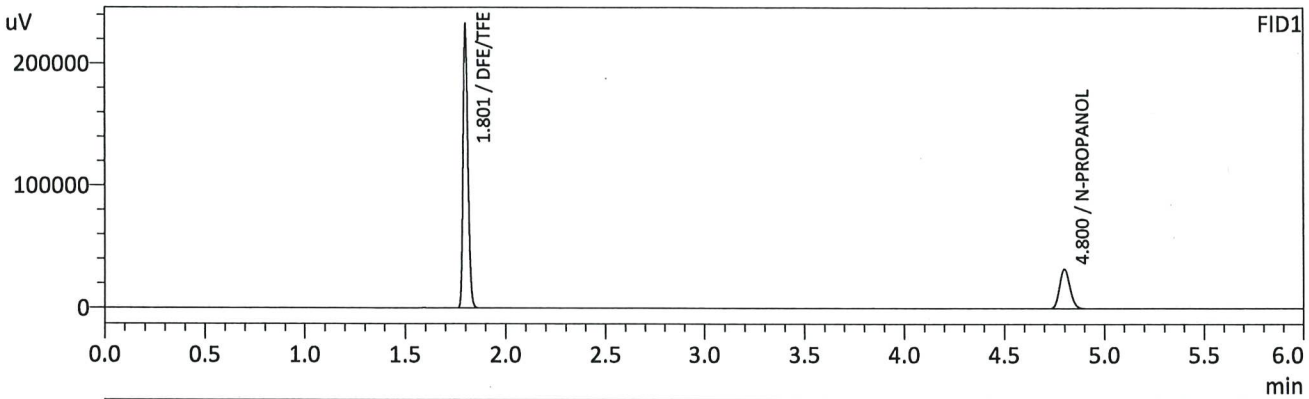
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185262	52301
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	182845	68038
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

TS

Sample Name : DFE
 Vial # : 56
 Data Filename : DFE_10292024_056.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/30/2024 12:19:02 AM
 Date Processed : 10/30/2024 12:25:04 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

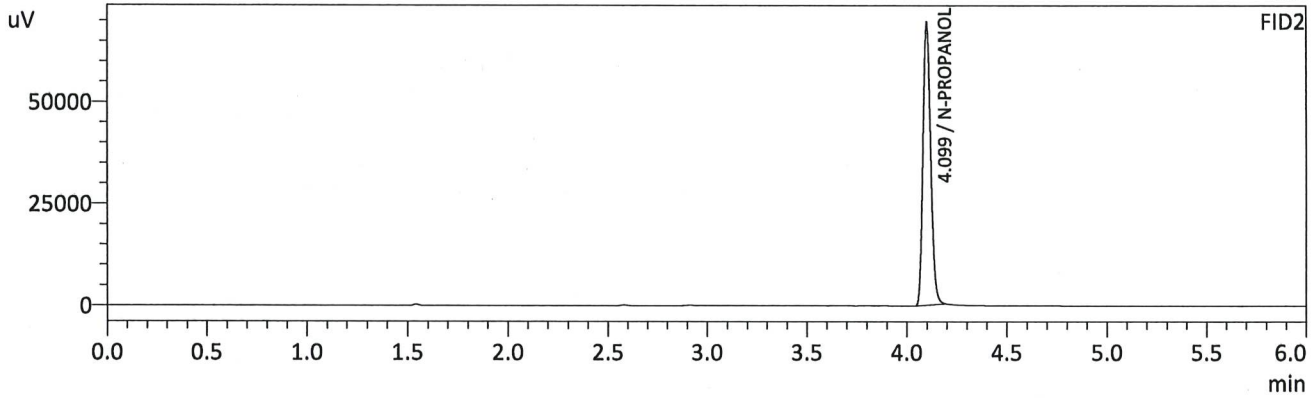
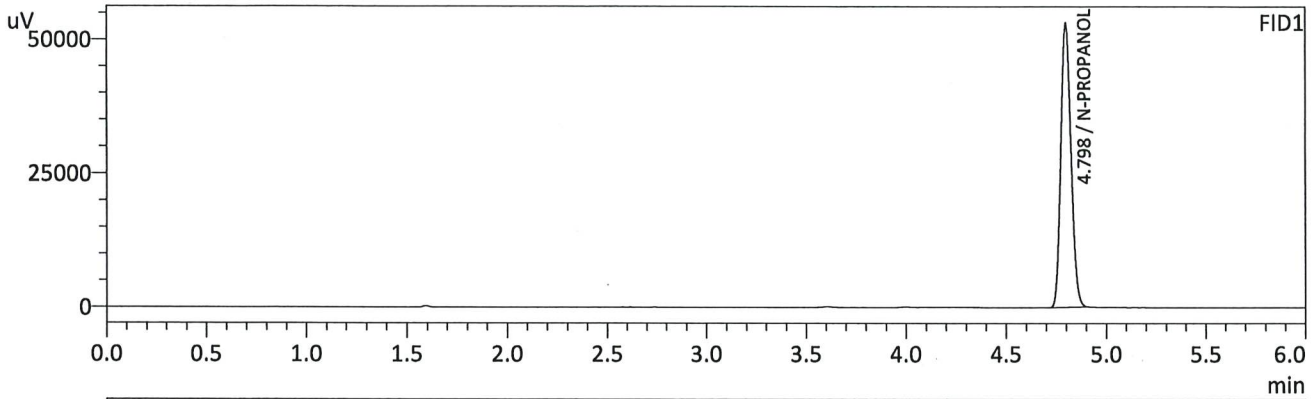
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	113298	32046
DFE/TFE	0.0000	g/100cc	388245	228860
DME	--	g/100cc	--	--

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	110496	41041
DFE	0.0000	g/100cc	390575	228509
TFE	--	g/100cc	--	--

TS

Sample Name : INT STD BLK 4
 Vial # : 57
 Data Filename : INT STD BLK 4_10292024_057.gcd
 Method Filename : ALCOHOL_102924_TS.gcm
 Batch Filename : BATCH_102924_TS.gcb
 Date Acquired : 10/30/2024 12:28:20 AM
 Date Processed : 10/30/2024 12:34:21 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	188130	52931
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	185794	69389
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 6.117

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_102924_TS.gcm	1-3371 - 0.050_10292024_001.gcd	1
2	0.100	1:Standard:(R)	ALCOHOL_102924_TS.gcm	1-3372 - 0.100_10292024_002.gcd	2
3	0.200	1:Standard:(R)	ALCOHOL_102924_TS.gcm	1-3373 - 0.200_10292024_003.gcd	3
4	0.300	1:Standard:(R)	ALCOHOL_102924_TS.gcm	1-3374 - 0.300_10292024_004.gcd	4
5	0.500	1:Standard:(R)	ALCOHOL_102924_TS.gcm	1-3375 - 0.500_10292024_005.gcd	5
6	INT STD BLK 1	0:Unknown	ALCOHOL_102924_TS.gcm	-3376 - INT STD BLK 1_10292024_006.gcd	0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_102924_TS.gcm	77 - MULTI-COMP MIX_10292024_007.gcd	1
8	INT STD BLK 2	0:Unknown	ALCOHOL_102924_TS.gcm	-3378 - INT STD BLK 2_10292024_008.gcd	0
9	QC1-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3379 - QC1-1_10292024_009.gcd	0
10	QC1-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	1-3380 - QC1-1-B_10292024_010.gcd	0
11	0.08 QA	0:Unknown	ALCOHOL_102924_TS.gcm	1-3381 - 0.08 QA_10292024_011.gcd	0
12	0.08 QA - B	0:Unknown	ALCOHOL_102924_TS.gcm	1-3382 - 0.08 QA - B_10292024_012.gcd	0
13	P2024-3043-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3383 - P2024-3043-1_10292024_013.gcd	0
14	P2024-3043-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3384 - P2024-3043-1-B_10292024_014.gcd	0
15	P2024-3164-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3385 - P2024-3164-1_10292024_015.gcd	0
16	P2024-3164-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3386 - P2024-3164-1-B_10292024_016.gcd	0
17	P2024-3165-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3387 - P2024-3165-1_10292024_017.gcd	0
18	P2024-3165-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3388 - P2024-3165-1-B_10292024_018.gcd	0
19	P2024-3166-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3389 - P2024-3166-1_10292024_019.gcd	0
20	P2024-3166-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3390 - P2024-3166-1-B_10292024_020.gcd	0
21	P2024-3168-2	0:Unknown	ALCOHOL_102924_TS.gcm	1-3391 - P2024-3168-2_10292024_021.gcd	0
22	P2024-3168-2-B	0:Unknown	ALCOHOL_102924_TS.gcm	3392 - P2024-3168-2-B_10292024_022.gcd	0
23	P2024-3169-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3393 - P2024-3169-1_10292024_023.gcd	0
24	P2024-3169-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3394 - P2024-3169-1-B_10292024_024.gcd	0
25	P2024-3170-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3395 - P2024-3170-1_10292024_025.gcd	0
26	P2024-3170-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3396 - P2024-3170-1-B_10292024_026.gcd	0
27	P2024-3197-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3397 - P2024-3197-1_10292024_027.gcd	0
28	P2024-3197-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3398 - P2024-3197-1-B_10292024_028.gcd	0
29	P2024-3217-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3399 - P2024-3217-1_10292024_029.gcd	0
30	P2024-3217-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3400 - P2024-3217-1-B_10292024_030.gcd	0
31	QC2-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3401 - QC2-1_10292024_031.gcd	0
32	QC2-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	1-3402 - QC2-1-B_10292024_032.gcd	0
33	P2024-3238-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3403 - P2024-3238-1_10292024_033.gcd	0
34	P2024-3238-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3404 - P2024-3238-1-B_10292024_034.gcd	0
35	P2024-3246-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3405 - P2024-3246-1_10292024_035.gcd	0
36	P2024-3246-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3406 - P2024-3246-1-B_10292024_036.gcd	0
37	P2024-3253-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3407 - P2024-3253-1_10292024_037.gcd	0
38	P2024-3253-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3408 - P2024-3253-1-B_10292024_038.gcd	0
39	P2024-3270-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3409 - P2024-3270-1_10292024_039.gcd	0
40	P2024-3270-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3410 - P2024-3270-1-B_10292024_040.gcd	0
41	P2024-3275-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3411 - P2024-3275-1_10292024_041.gcd	0
42	P2024-3275-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3412 - P2024-3275-1-B_10292024_042.gcd	0
43	P2024-3277-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3413 - P2024-3277-1_10292024_043.gcd	0
44	P2024-3277-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3414 - P2024-3277-1-B_10292024_044.gcd	0
45	P2024-3278-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3415 - P2024-3278-1_10292024_045.gcd	0
46	P2024-3278-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3416 - P2024-3278-1-B_10292024_046.gcd	0
47	P2024-3283-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3417 - P2024-3283-1_10292024_047.gcd	0
48	P2024-3283-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3418 - P2024-3283-1-B_10292024_048.gcd	0
49	P2024-3288-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3419 - P2024-3288-1_10292024_049.gcd	0
50	P2024-3288-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3420 - P2024-3288-1-B_10292024_050.gcd	0
51	P2024-3289-1	0:Unknown	ALCOHOL_102924_TS.gcm	1-3421 - P2024-3289-1_10292024_051.gcd	0
52	P2024-3289-1-B	0:Unknown	ALCOHOL_102924_TS.gcm	3422 - P2024-3289-1-B_10292024_052.gcd	0
53	QC1-2	0:Unknown	ALCOHOL_102924_TS.gcm	1-3423 - QC1-2_10292024_053.gcd	0
54	QC1-2-B	0:Unknown	ALCOHOL_102924_TS.gcm	1-3424 - QC1-2-B_10292024_054.gcd	0
55	INT STD BLK 3	0:Unknown	ALCOHOL_102924_TS.gcm	-3425 - INT STD BLK 3_10292024_055.gcd	0
56	DFE	0:Unknown	ALCOHOL_102924_TS.gcm	1-3426 - DFE_10292024_056.gcd	0
57	INT STD BLK 4	0:Unknown	ALCOHOL_102924_TS.gcm	-3427 - INT STD BLK 4_10292024_057.gcd	0