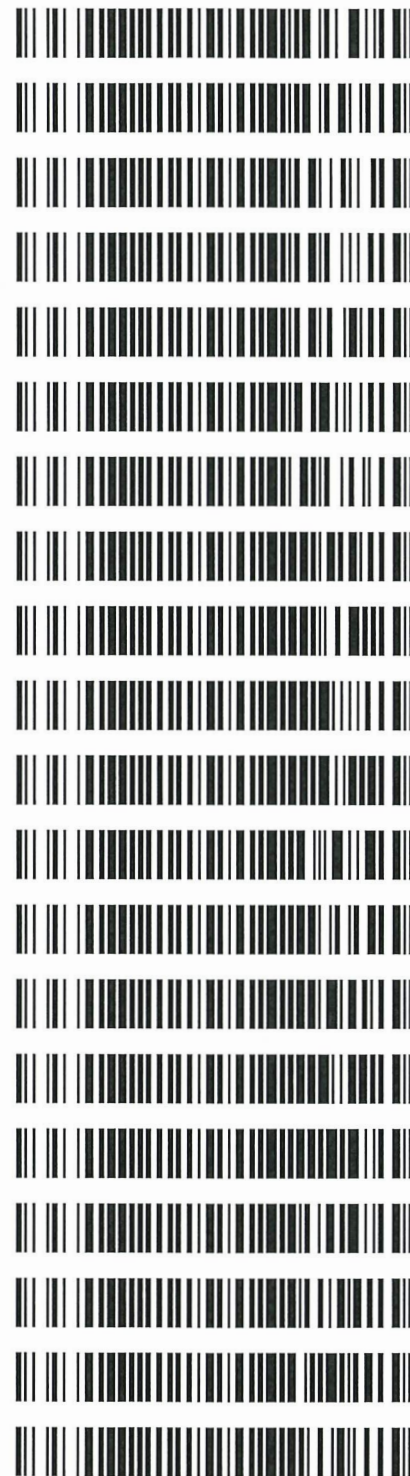


**Worklist: 6805**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2024-0584	2	BCK	Alcohol Analysis
P2024-1333	1	BCK	Alcohol Analysis
P2024-1342	1	BCK	Alcohol Analysis
P2024-1352	1	BCK	Alcohol Analysis
P2024-1353	1	BCK	Alcohol Analysis
P2024-1371	1	BCK	Alcohol Analysis
P2024-1372	1	BCK	Alcohol Analysis
P2024-1374	2	BCK	Alcohol Analysis
P2024-1378	1	BCK	Alcohol Analysis
P2024-1385	1	BCK	Alcohol Analysis
P2024-1386	1	BCK	Alcohol Analysis
P2024-1394	1	BCK	Alcohol Analysis
P2024-1404	1	BCK	Alcohol Analysis
P2024-1420	1	BCK	Alcohol Analysis
P2024-1421	1	BCK	Alcohol Analysis
P2024-1423	1	BCK	Alcohol Analysis
P2024-1424	1	BCK	Alcohol Analysis
P2024-1425	1	BCK	Alcohol Analysis
P2024-1435	1	BCK	Alcohol Analysis
P2024-1447	1	BCK	Alcohol Analysis



*p2024-1312 from worklist 6803 also ran.  
RC 5/9/24*

**REVIEWED**  
By Jeremy Johnston at 11:16 am, May 10, 2024

*RC*

**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): 05/08/24**

**Calibration Date: (if different) : 05/07/24**

**Worklist #: 6805**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0819 g/100cc
					0.0886 g/100cc
					0.0895 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2014 g/100cc
					g/100cc
					g/100cc
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>2024 October</b>	<b>Lot #</b>	FN06041902 OK
<b>Curve Fit:</b>			<b>Column 1</b>	0.99994	<b>Column2</b> 0.99989

**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	0.0517	0.0006	0.0514
100	0.100	0.090 - 0.110	0.1005	0.1002	0.0003	0.1003
200	0.200	0.180 - 0.220	0.1986	0.1982	0.0004	0.1984
300	0.300	0.270 - 0.330	0.2983	0.2979	0.0004	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5016	0.0004	0.5014

**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**

<b>Worklist #:</b>	<b>6805</b>	<b>Run Date(s):</b>	<b>05/08/24</b>
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Internal Standard Solution:	Prep Date: 3/22/2024	Exp Date: 9/22/2024
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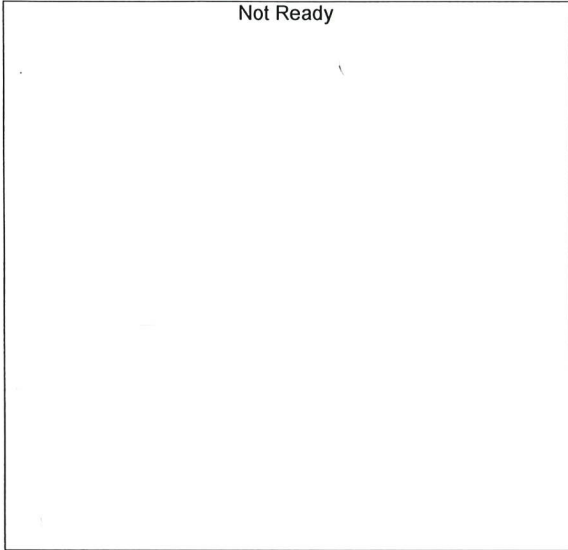
Sample Name	Column 1 Value	Column 2 Value
0.080	164997	165942
0.080	165333	166260
QC1	166228	167242
QC1	166149	167099
QC1	170024	174152
QC1	153933	156841
QC1	172569	176603
QC1	171133	175029
QC2	164157	164246
QC2	167856	167968
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	166237.9	132990.3	199485.5
Column 2	168138.2	134510.6	201765.8

=====  
Calibration Table  
=====

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

<<Data File>>  
Method File :Default Project - ALCOHOL\_050724\_RC.gcm  
Batch File :Default Project - BATCH\_050724\_RC.gcb  
Date Acquired :5/7/2024 3:53:46 PM  
Date Created :5/7/2024 3:50:19 PM  
Date Modified :5/7/2024 3:59:48 PM



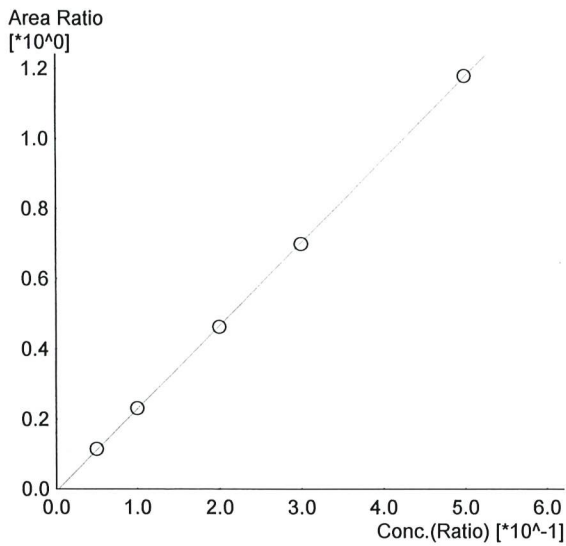
Name : METHANOL  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



Name : ACETALDEHYDE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



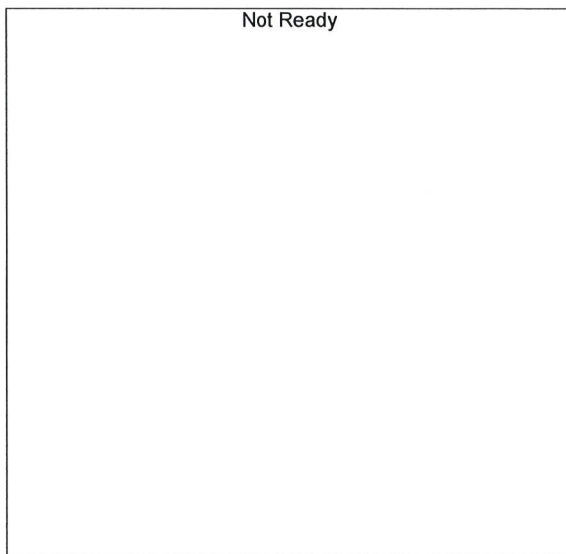
Name : ETHANOL  
 Detector Name: FID1  
 Function :  $f(x)=2.36323 \cdot x - 0.00688428$   
 $R^2$  value= 0.9999401 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18710	0.0511	0.050_572024_001.gcd
2	0.100	37930	0.1005	0.100_572024_002.gcd
3	0.200	76999	0.1986	0.200_572024_003.gcd
4	0.300	116317	0.2983	0.300_572024_004.gcd
5	0.500	196897	0.5012	0.500_572024_005.gcd



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

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



Name : ACETONE  
 Detector Name: FID1  
 Function :  $f(x)=0 \cdot x + 0$   
 $R^2$  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

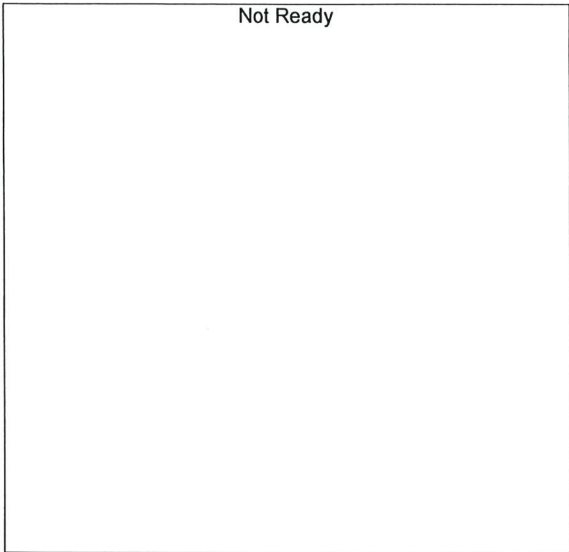
Name : TFE  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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

Not Ready

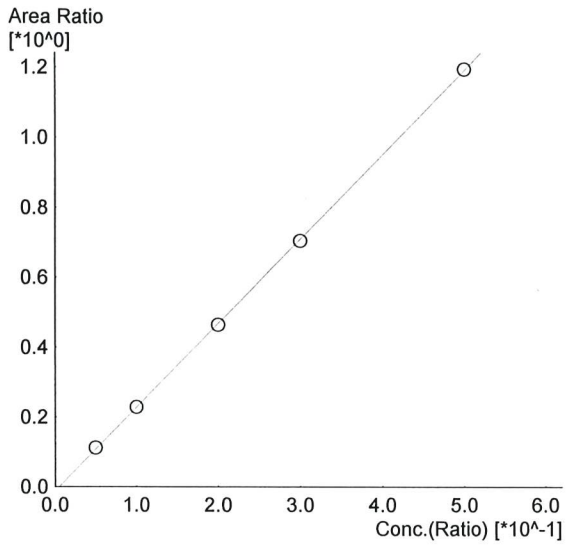
Name : ACETALDEHYDE  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



Name : METHANOL  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : ETHANOL  
 Detector Name: FID2  
 Function :  $f(x)=2.40490*x-0.0127727$   
 R<sup>2</sup> value= 0.9998977 ✓  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	18559	0.0517	0.050_572024_001.gcd
2	0.100	37882	0.1002	0.100_572024_002.gcd
3	0.200	77723	0.1982	0.200_572024_003.gcd
4	0.300	117921	0.2979	0.300_572024_004.gcd
5	0.500	200705	0.5016	0.500_572024_005.gcd



Name : ACETONE  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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

JRC

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
---	-------	------	------------	----------------

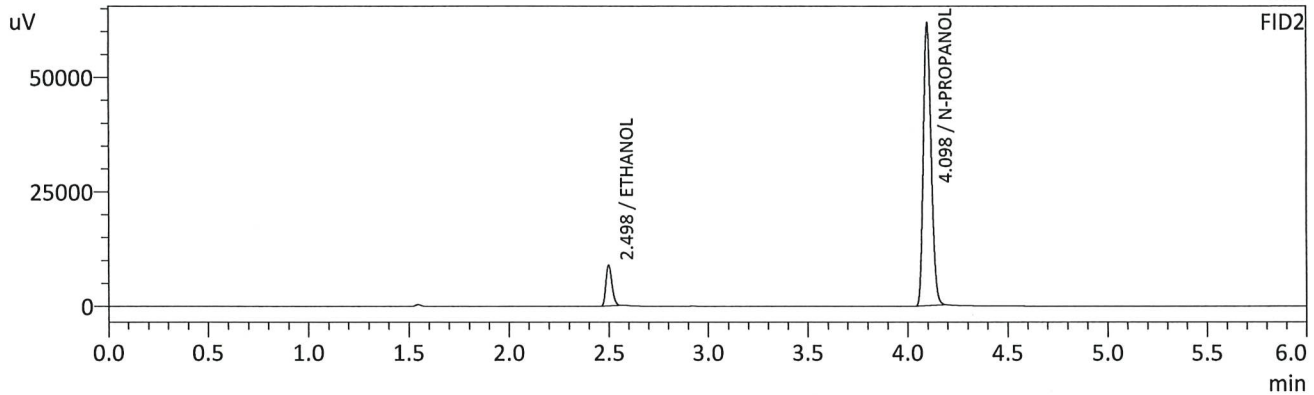
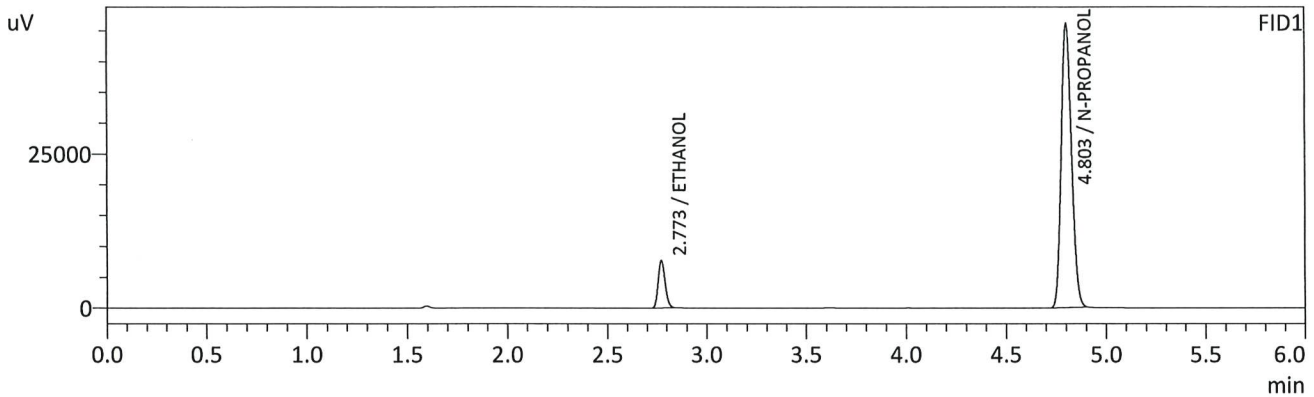
Not Ready

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\_572024\_001.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050724\_RC.gcb  
 Date Acquired : 5/7/2024 3:15:40 PM  
 Date Processed : 5/8/2024 8:55:51 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

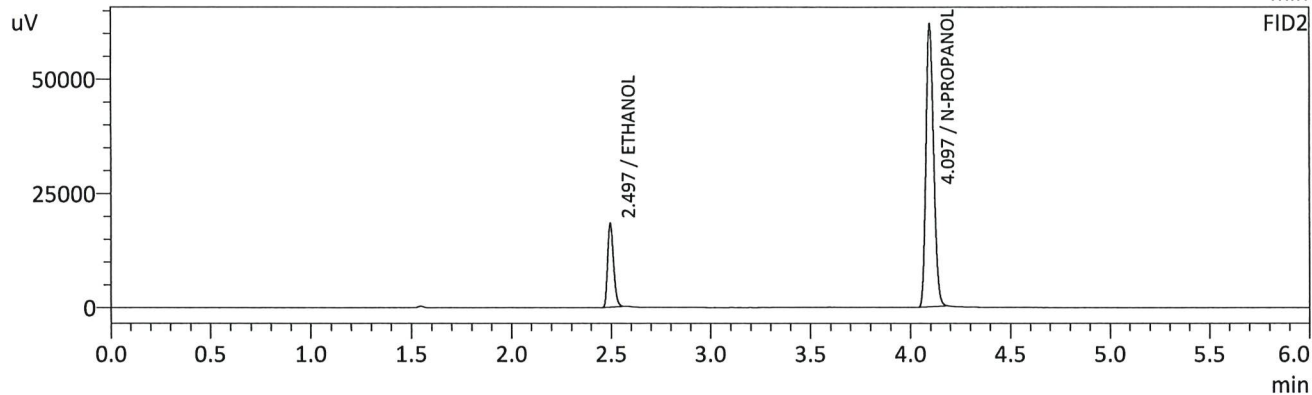
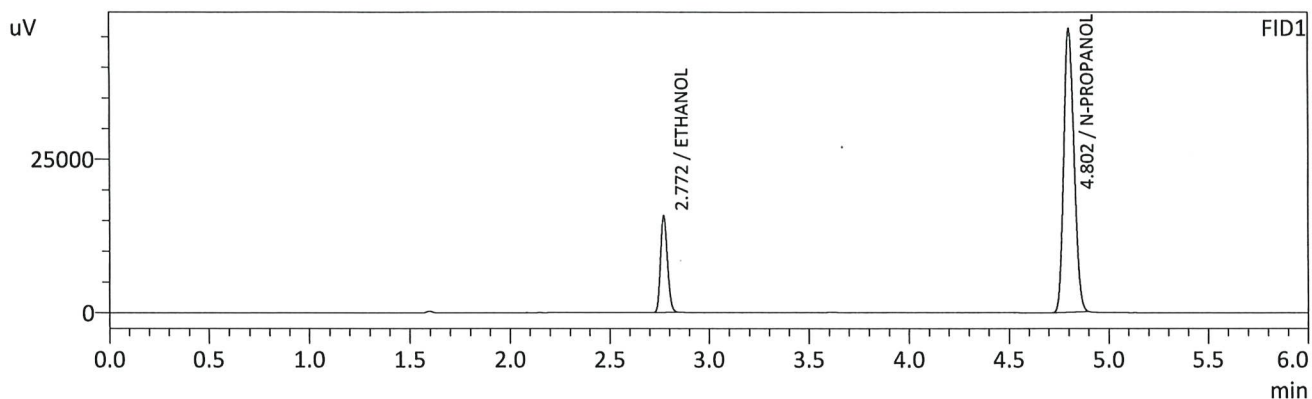
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	18710	7671
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164140	46054
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0517	g/100cc	18559	8857
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166032	61462
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : 0.100  
 Vial # : 2  
 Data Filename : 0.100\_572024\_002.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050724\_RC.gcb  
 Date Acquired : 5/7/2024 3:25:09 PM  
 Date Processed : 5/8/2024 8:55:55 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

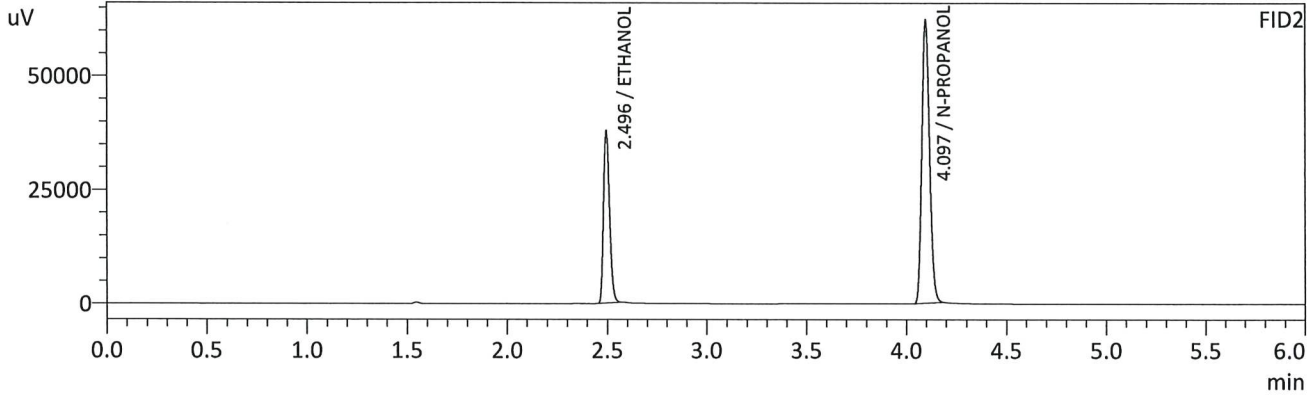
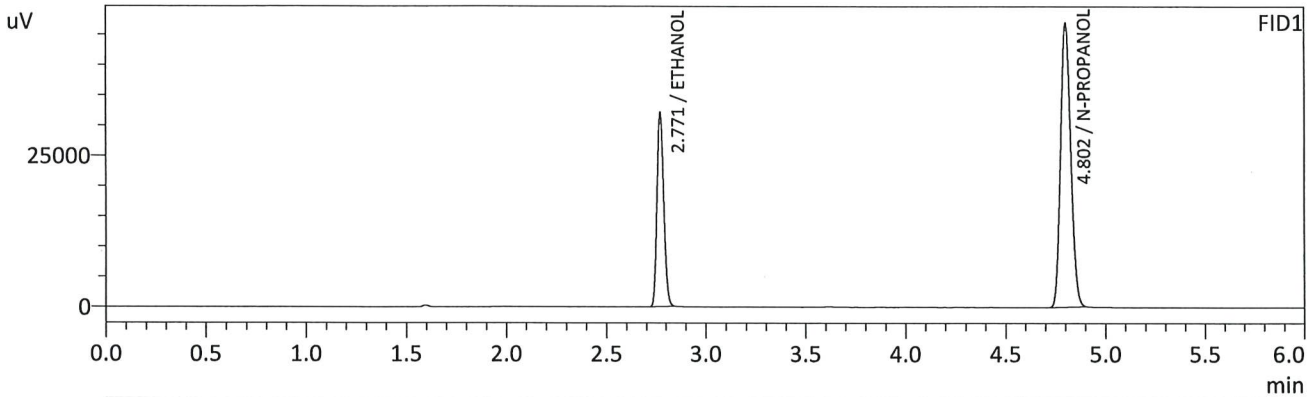
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1005	g/100cc	37930	15619
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164430	46097
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1002	g/100cc	37882	18183
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165841	61731
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.200  
 Vial # : 3  
 Data Filename : 0.200\_572024\_003.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050724\_RC.gcb  
 Date Acquired : 5/7/2024 3:34:31 PM  
 Date Processed : 5/8/2024 8:55:58 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

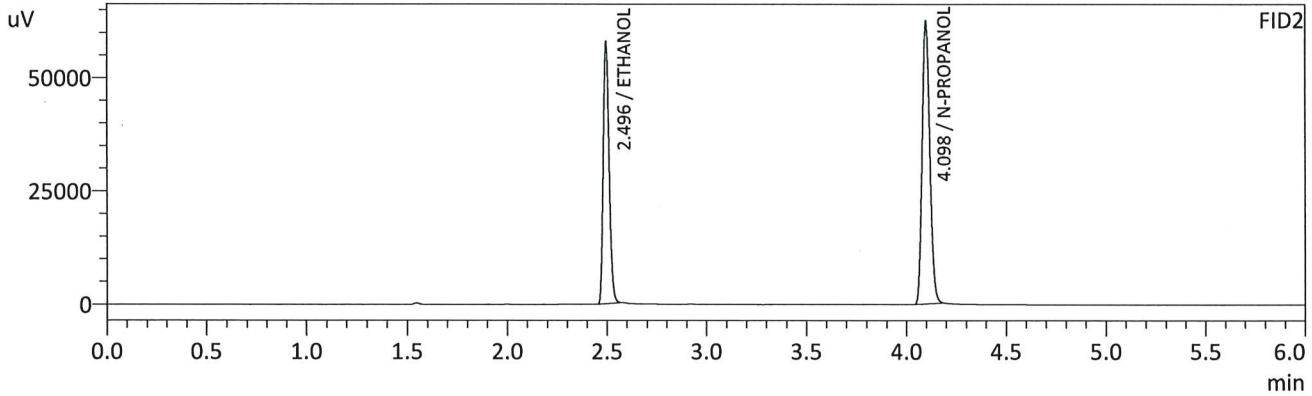
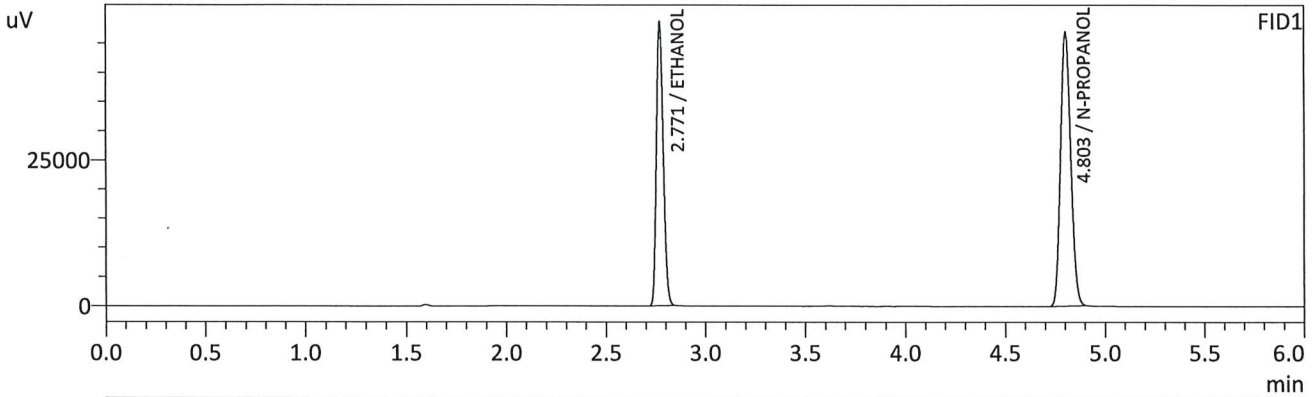
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1986	g/100cc	76999	32027
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166447	46753
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1982	g/100cc	77723	37710
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167502	62048
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.300  
 Vial # : 4  
 Data Filename : 0.300\_572024\_004.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050724\_RC.gcb  
 Date Acquired : 5/7/2024 3:44:16 PM  
 Date Processed : 5/8/2024 8:56:01 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

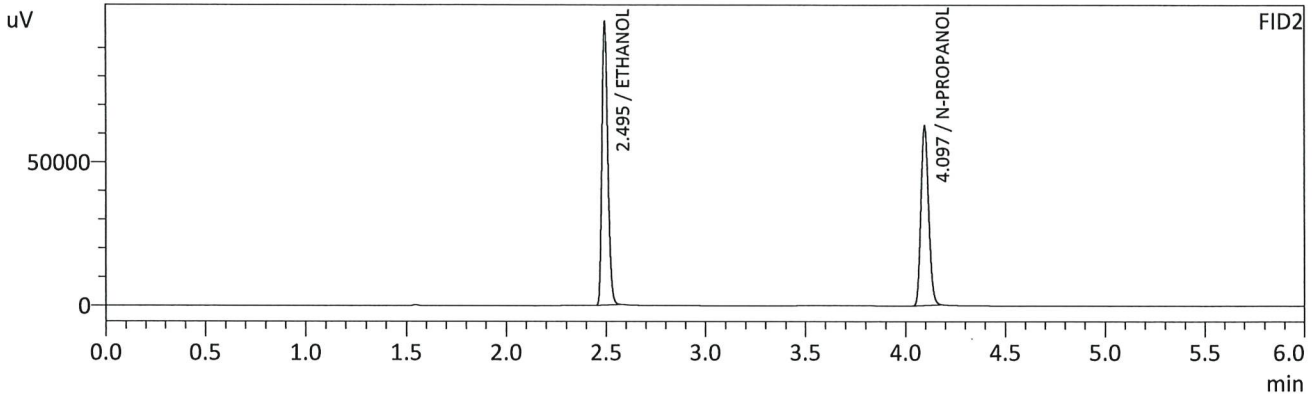
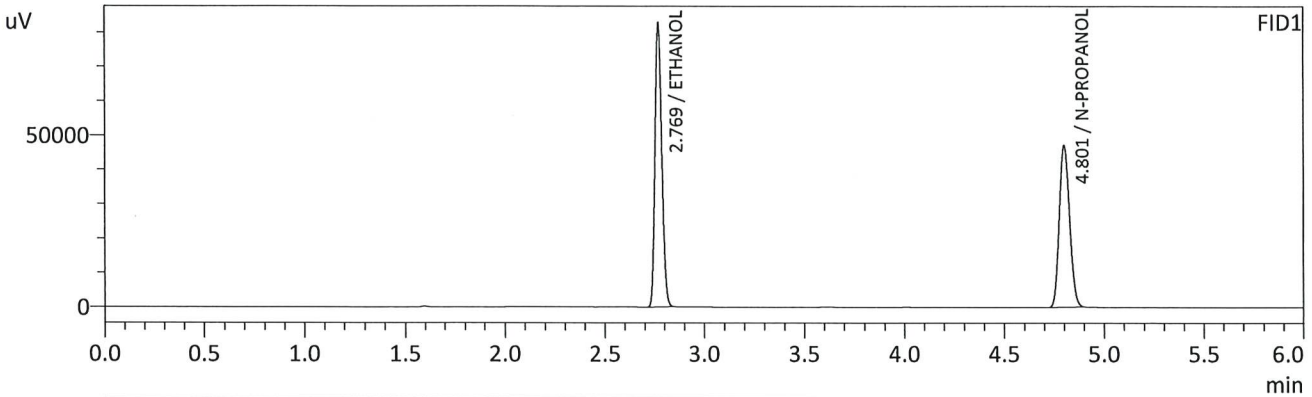
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	116317	48531
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166583	46835
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2979	g/100cc	117921	57563
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167530	62146
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : 0.500  
 Vial # : 5  
 Data Filename : 0.500\_572024\_005.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050724\_RC.gcb  
 Date Acquired : 5/7/2024 3:53:46 PM  
 Date Processed : 5/7/2024 3:59:48 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

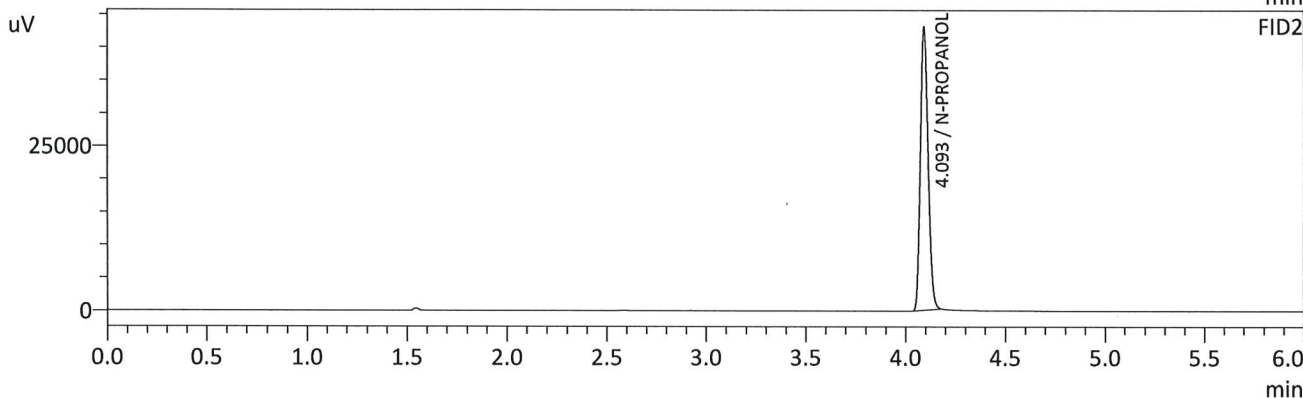
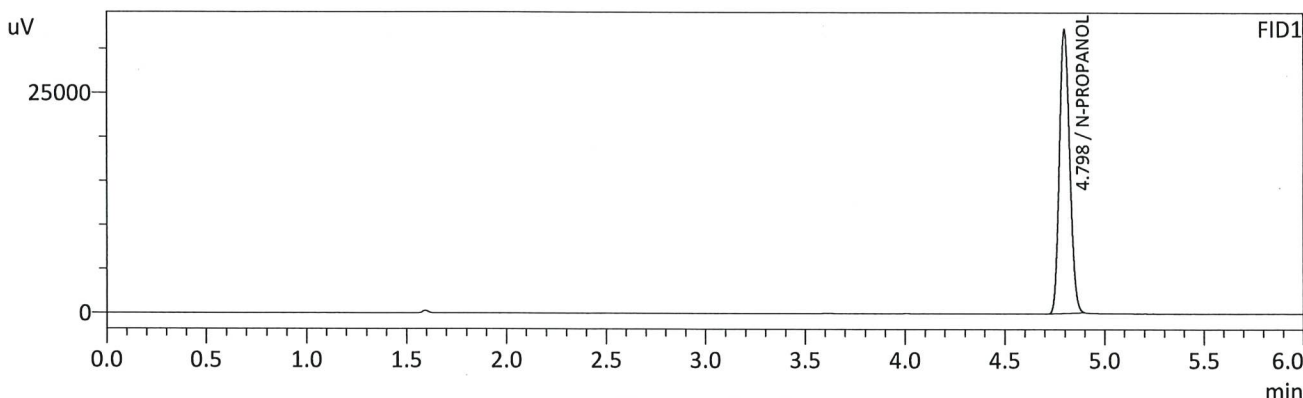
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	196897	82531
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167177	47080
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5016	g/100cc	200705	98772
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	168141	62507
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : INT STD BLK 1  
 Vial # : 1  
 Data Filename : INT STD BLK 1\_582024\_001.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 4:22:30 PM  
 Date Processed : 5/8/2024 4:28:33 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

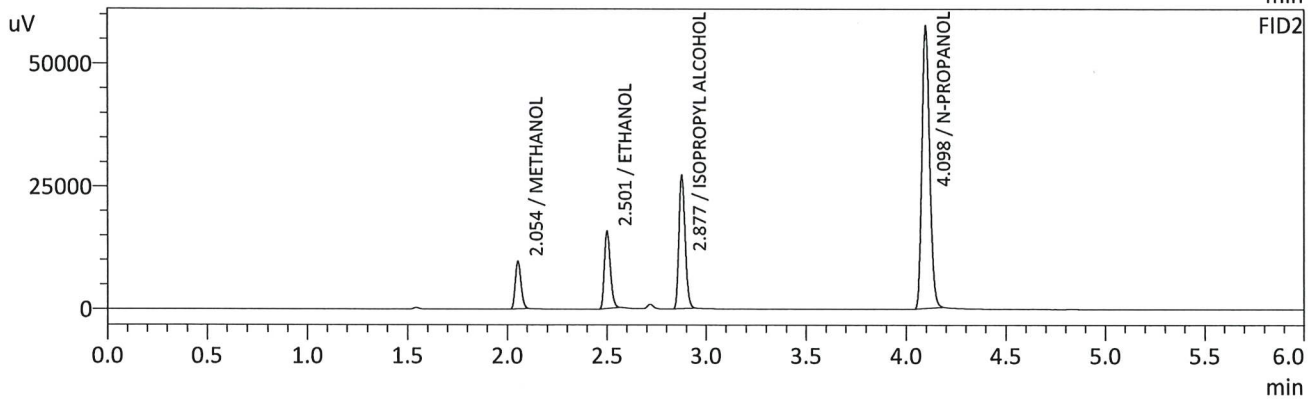
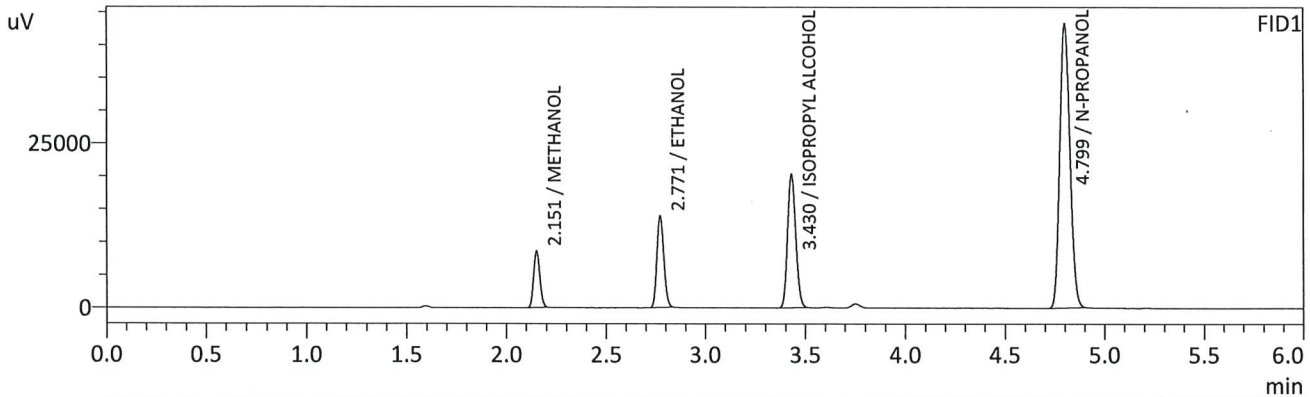
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	114248	32140
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

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	115246	42736
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JRC*

Sample Name : MULTI-COMP MIX  
 Vial # : 2  
 Data Filename : MULTI-COMP MIX\_582024\_002.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 4:32:01 PM  
 Date Processed : 5/8/2024 4:38:01 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



## FID1

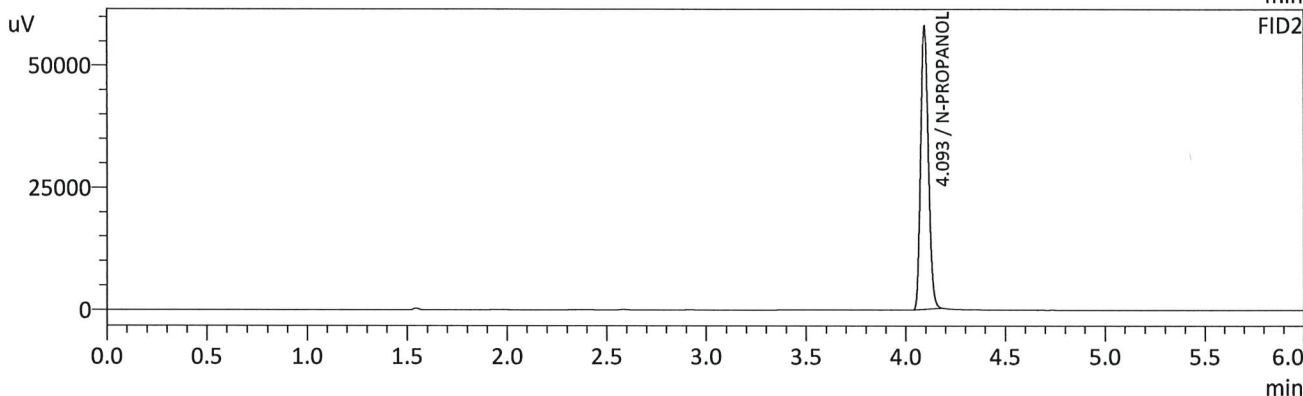
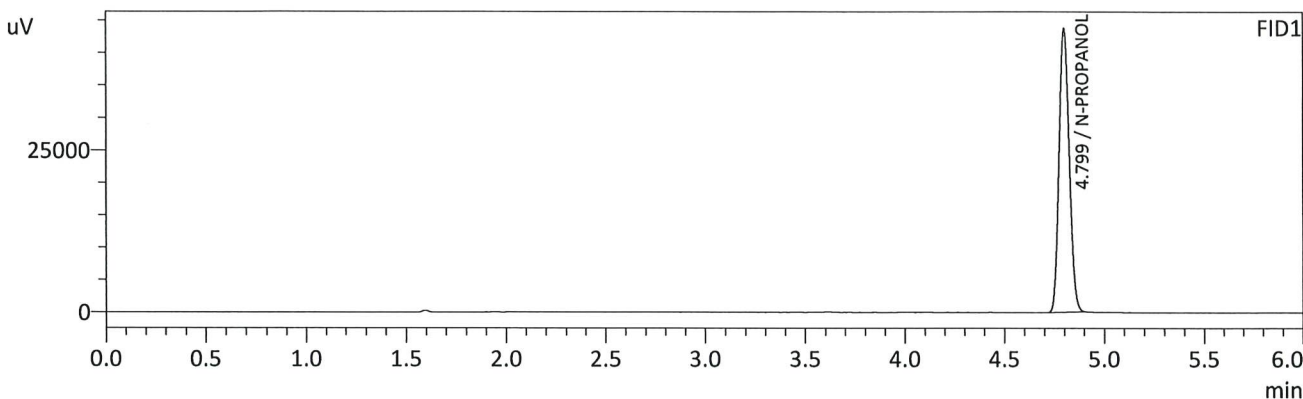
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	18733	8536
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0957	g/100cc	33705	13896
ISOPROPYL ALCOHOL	0.0000	g/100cc	58240	20228
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153652	43226
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

## FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	19326	9495
ETHANOL	0.0939	g/100cc	32834	15650
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	0.0000	g/100cc	59093	27138
N-PROPANOL	0.0000	g/100cc	154065	57095
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2  
 Vial # : 3  
 Data Filename : INT STD BLK 2\_582024\_003.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 4:41:21 PM  
 Date Processed : 5/8/2024 4:47:23 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	154669	43672
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	155299	57648
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature*



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 5/8/2024 4:51:05 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0817	0.0005	0.0819	0.0001	0.0819
(g/100cc)	0.0821	0.0816	0.0005	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_050724\_RC.gcm

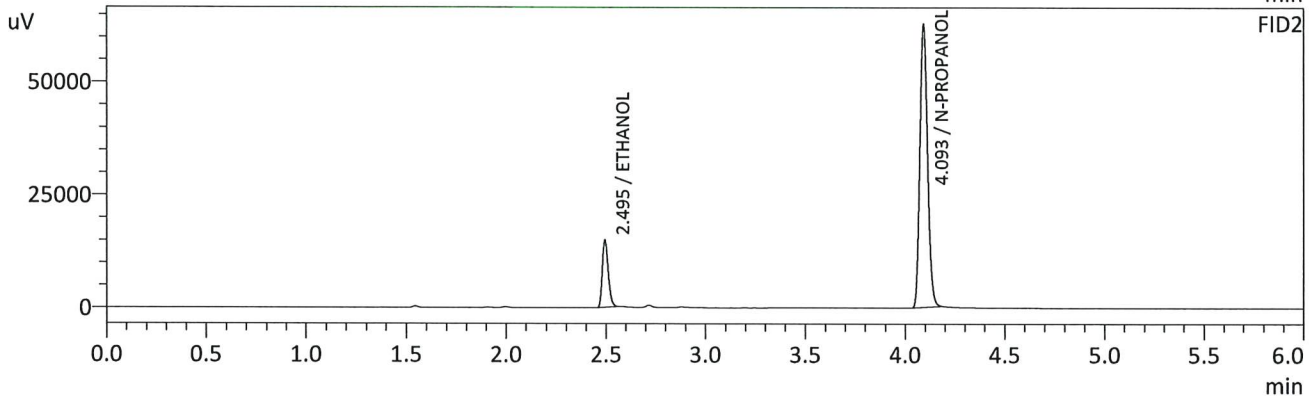
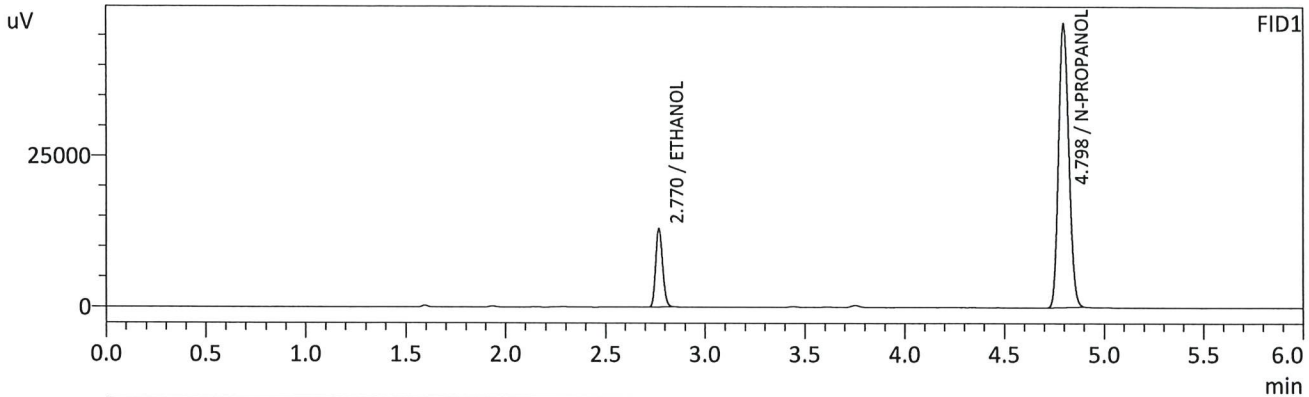
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1  
 Vial # : 4  
 Data Filename : QC1-1\_582024\_004.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 4:51:05 PM  
 Date Processed : 5/8/2024 4:57:06 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

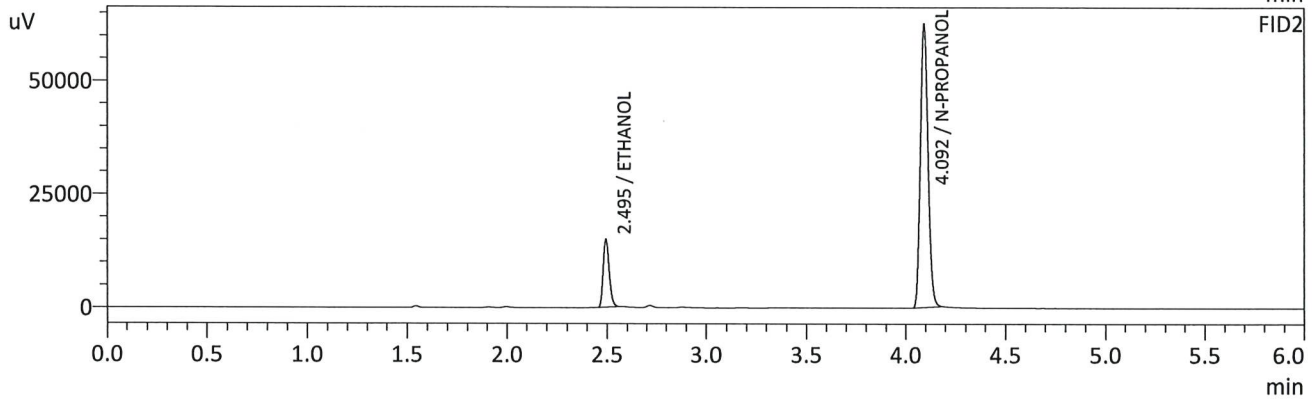
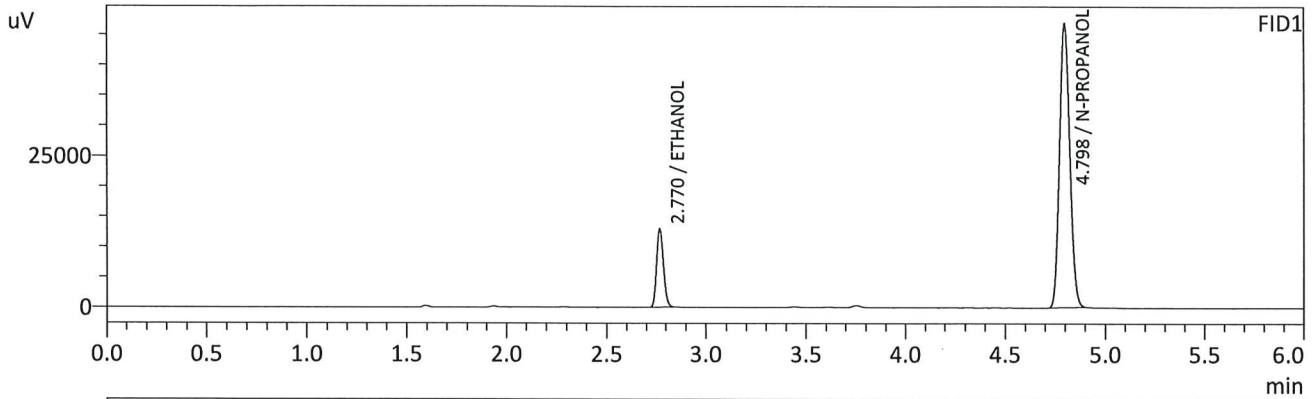
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	31178	12946
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166228	46735
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	30728	14897
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167242	62315
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-1-B  
 Vial # : 5  
 Data Filename : QC1-1-B\_582024\_005.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 5:00:37 PM  
 Date Processed : 5/8/2024 5:06:38 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0821	g/100cc	31098	12901
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166149	46648
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0816	g/100cc	30690	14870
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167099	62141
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 5/8/2024 5:09:56 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0805	0.0004	0.0807	0.0002	0.0806
(g/100cc)	0.0808	0.0803	0.0005	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

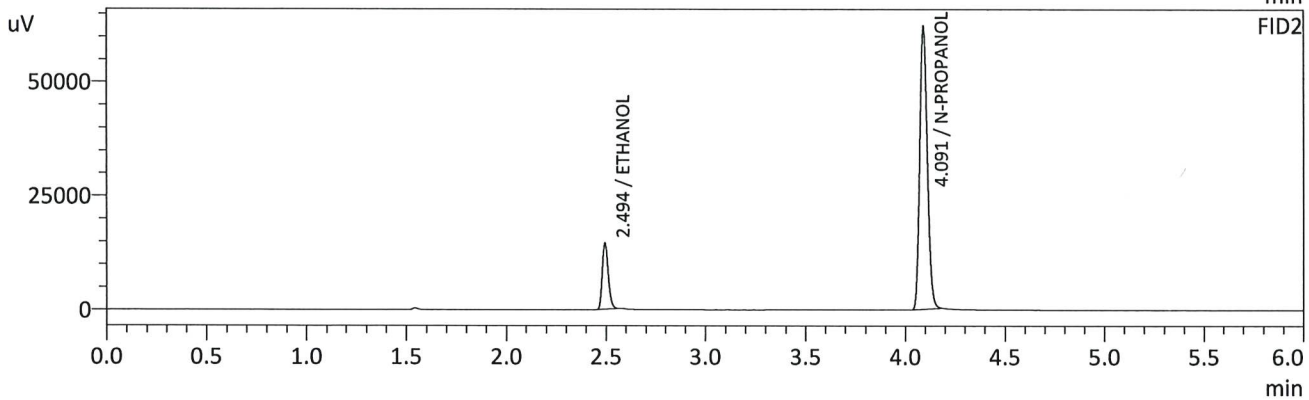
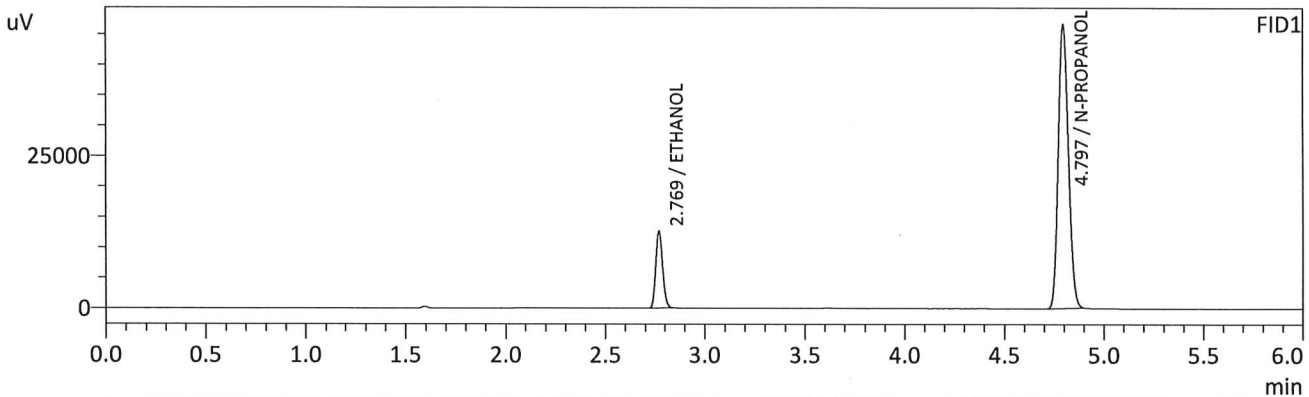
Refer To Instrument Method: ALCOHOL\_050724\_RC.gcm

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\_582024\_006.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 5:09:56 PM  
 Date Processed : 5/8/2024 5:15:57 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

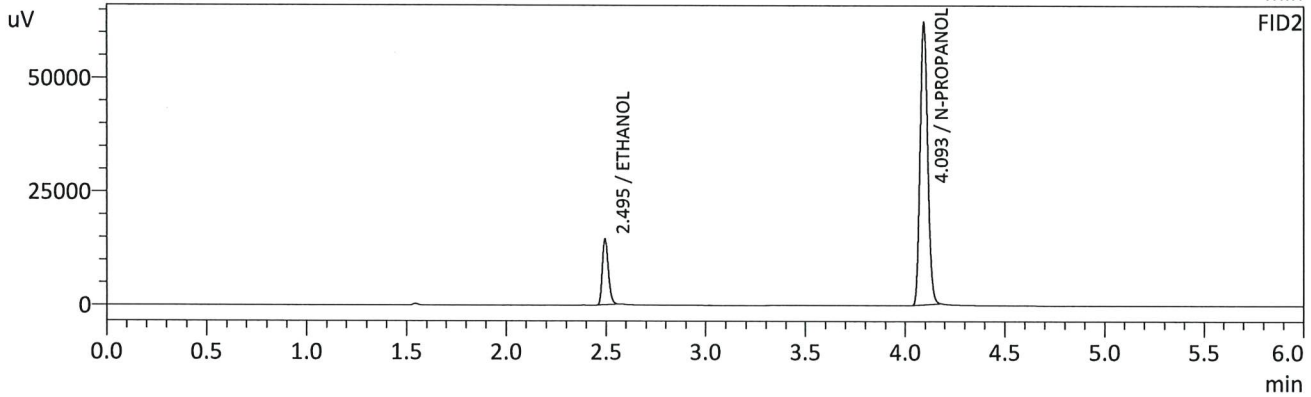
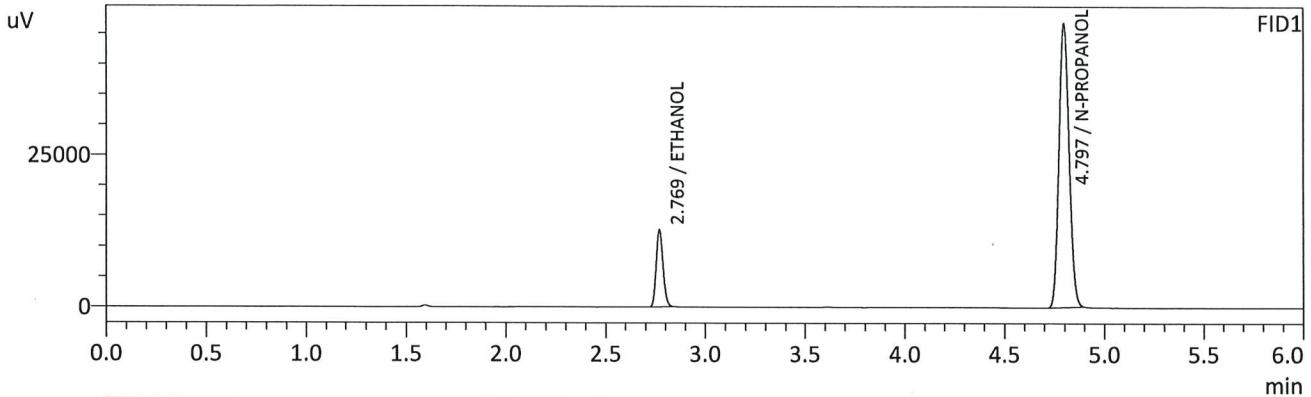
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0809	g/100cc	30444	12613
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164997	46535
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	30041	14543
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165942	62118
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

AC

Sample Name : 0.08 QA - B  
 Vial # : 7  
 Data Filename : 0.08 QA - B\_582024\_007.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 5:19:40 PM  
 Date Processed : 5/8/2024 5:25:43 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0808	g/100cc	30448	12615
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	165333	46623
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	30009	14519
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	166260	61708
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1			Analysis Date(s): 5/8/2024 8:20:33 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2032	0.2002	0.0030	0.2017	0.0006	0.2014
(g/100cc)	0.2025	0.1997	0.0028	0.2011		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

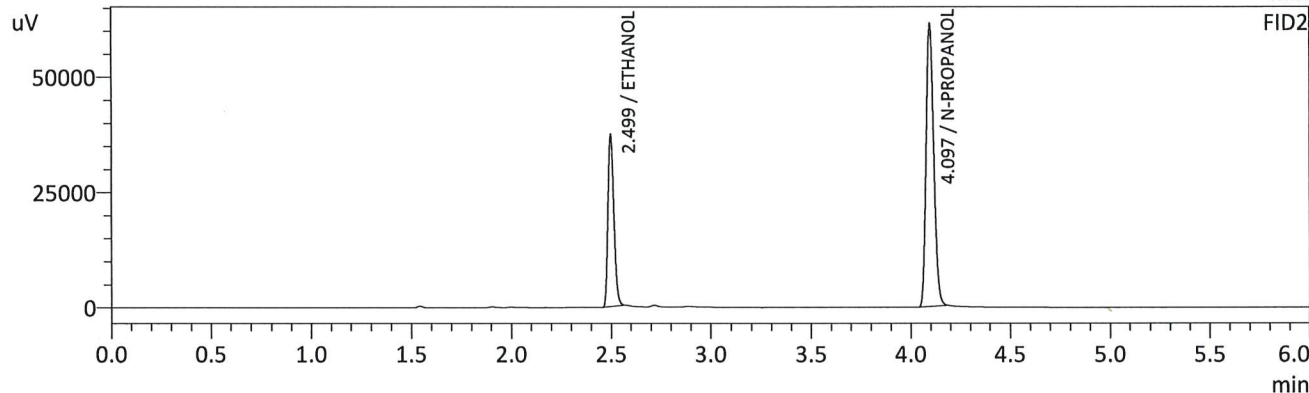
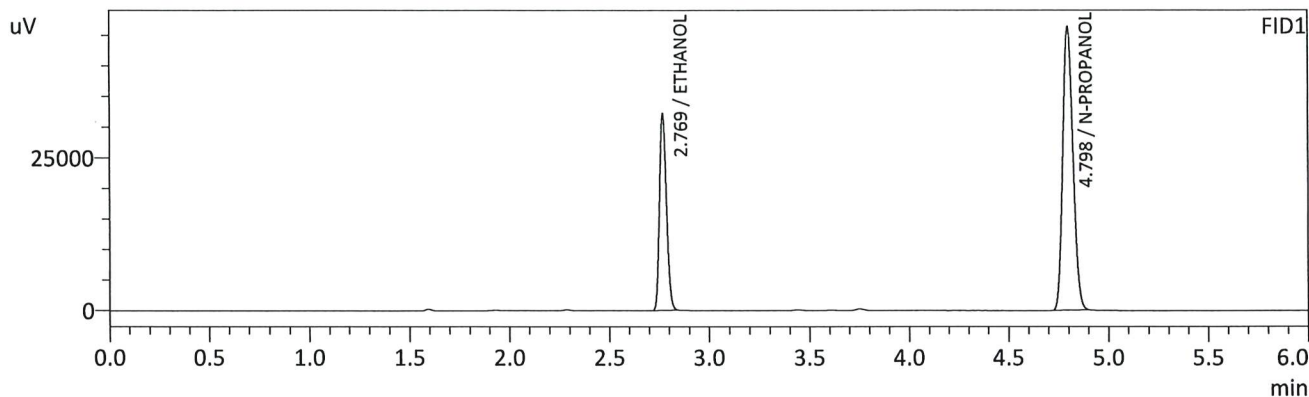
Refer To Instrument Method: ALCOHOL\_050724\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.201	0.190	0.212	0.011

Reported Results	
0.201	

Calibration and control data are stored centrally.

Sample Name : QC2-1  
 Vial # : 26  
 Data Filename : QC2-1\_582024\_026.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 8:20:33 PM  
 Date Processed : 5/8/2024 8:26:35 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2032	g/100cc	77702	32089
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164157	46163
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

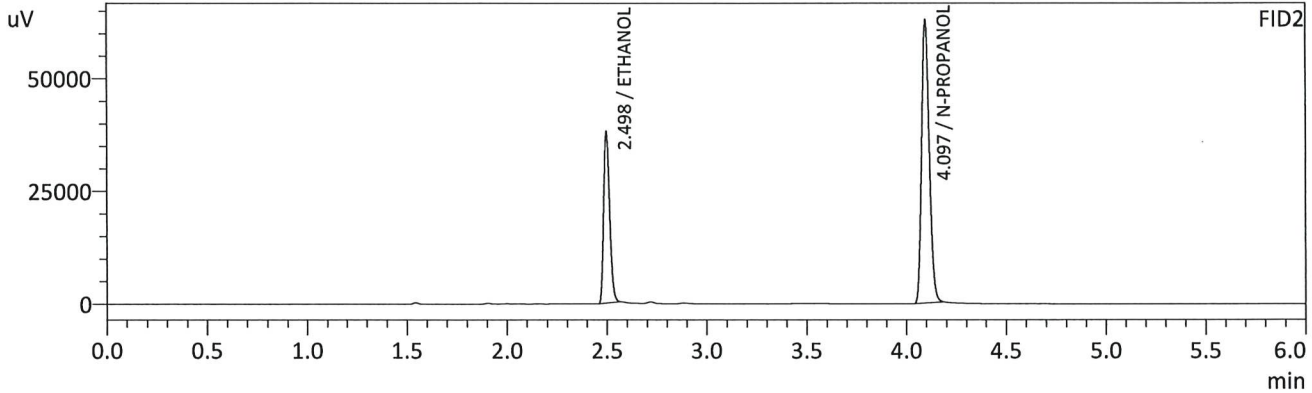
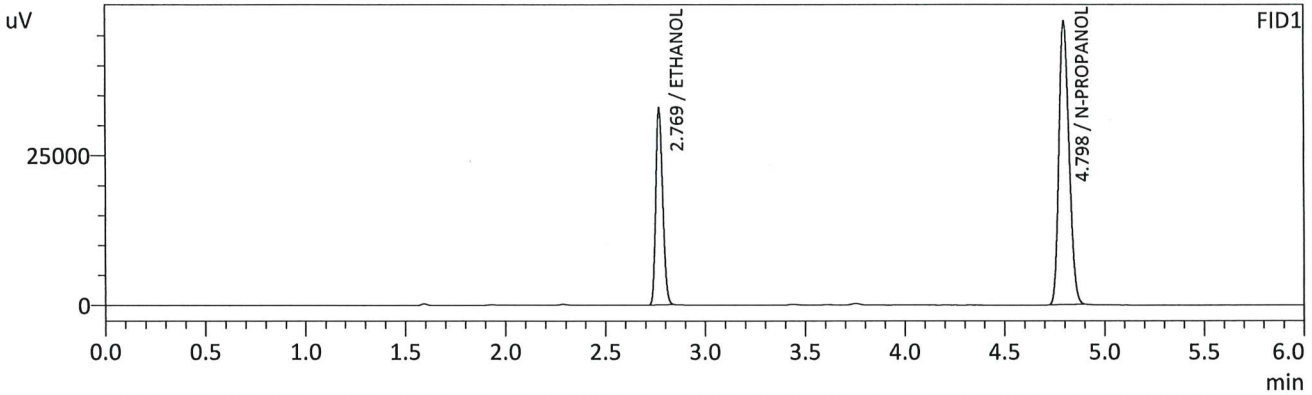
FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2002	g/100cc	77008	37240
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164246	61161
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*



Sample Name : QC2-1-B  
 Vial # : 27  
 Data Filename : QC2-1-B\_582024\_027.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 8:29:50 PM  
 Date Processed : 5/8/2024 8:35:52 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2025	g/100cc	79186	32803
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167856	47231
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1997	g/100cc	78534	37891
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	167968	62662
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 5/8/2024 11:49:46 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	0.0007	0.0886
(g/100cc)	0.0892	0.0889	0.0003	0.0890		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

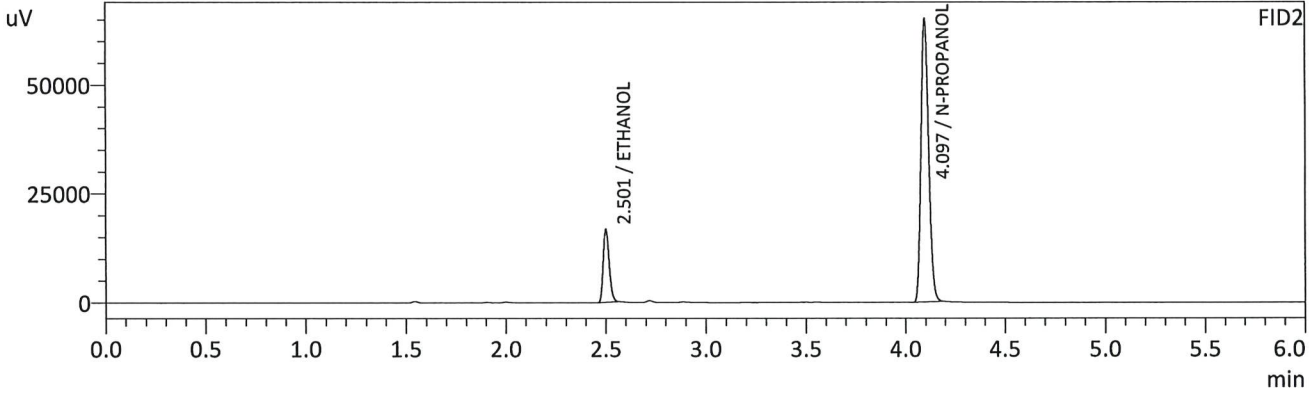
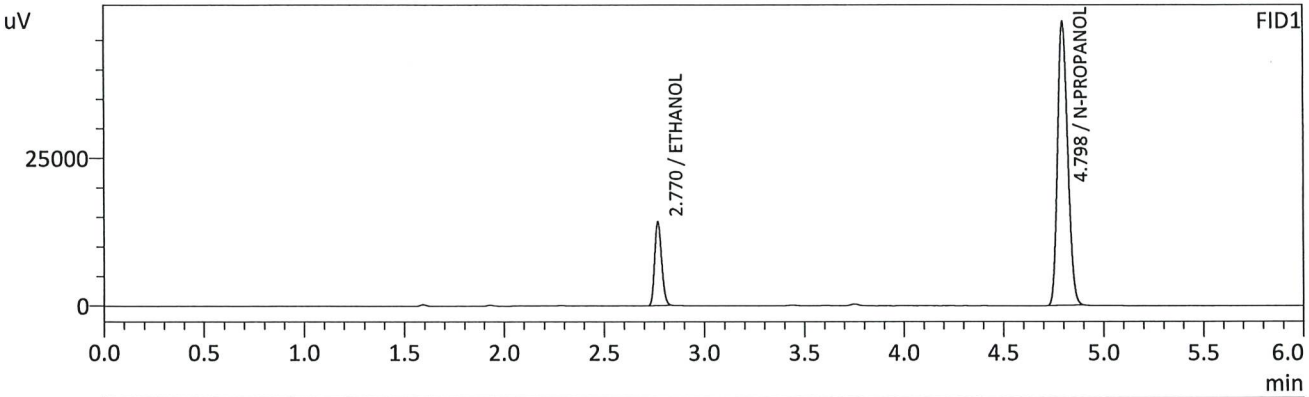
Refer To Instrument Method: ALCOHOL\_050724\_RC.gcm

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.

Sample Name : QC1-2  
 Vial # : 48  
 Data Filename : QC1-2\_582024\_048.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 11:49:46 PM  
 Date Processed : 5/8/2024 11:55:48 PM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

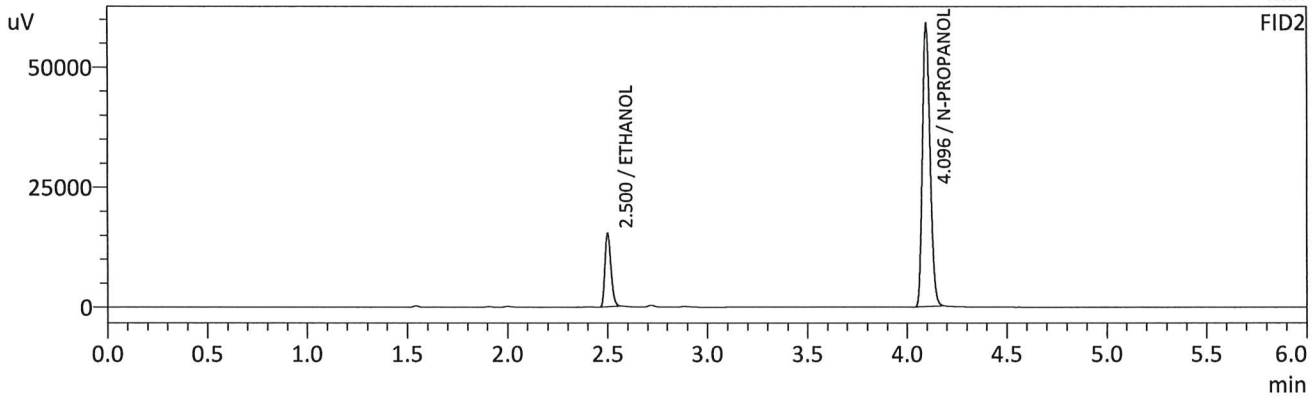
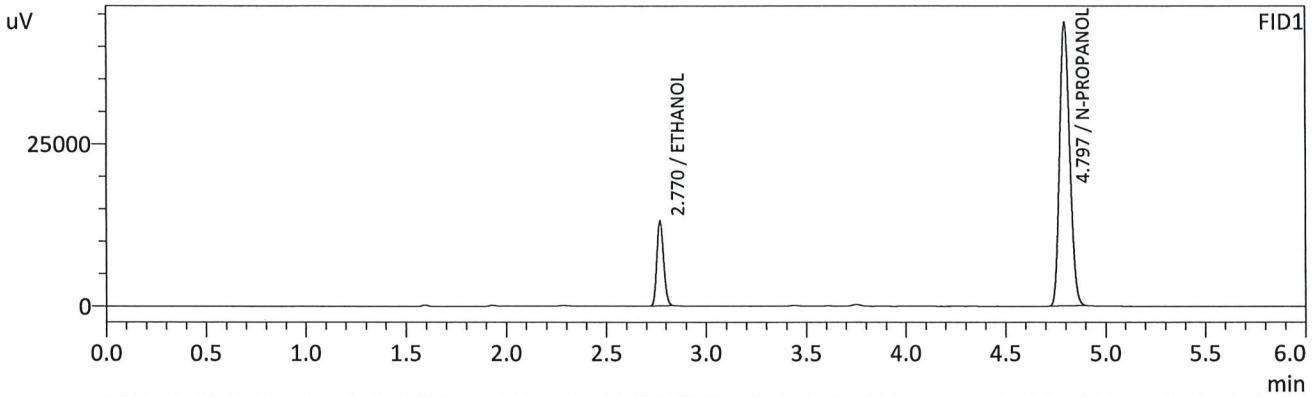
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0884	g/100cc	34364	14185
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170024	47920
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	34757	16639
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174152	64759
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*RC*

Sample Name : QC1-2-B  
 Vial # : 49  
 Data Filename : QC1-2-B\_582024\_049.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/8/2024 11:59:31 PM  
 Date Processed : 5/9/2024 12:05:32 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0892	g/100cc	31401	13066
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	153933	43573
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0889	g/100cc	31532	15307
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	156841	58977
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CRC*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-3			Analysis Date(s): 5/9/2024 12:46:53 AM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0896	0.0894	0.0002	0.0895	0.0000	0.0895
(g/100cc)	0.0896	0.0895	0.0001	0.0895		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

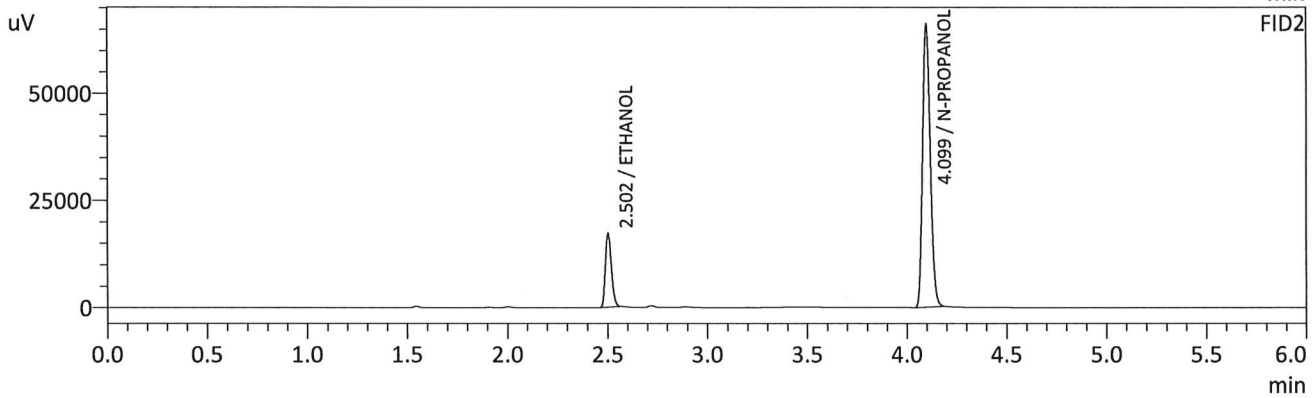
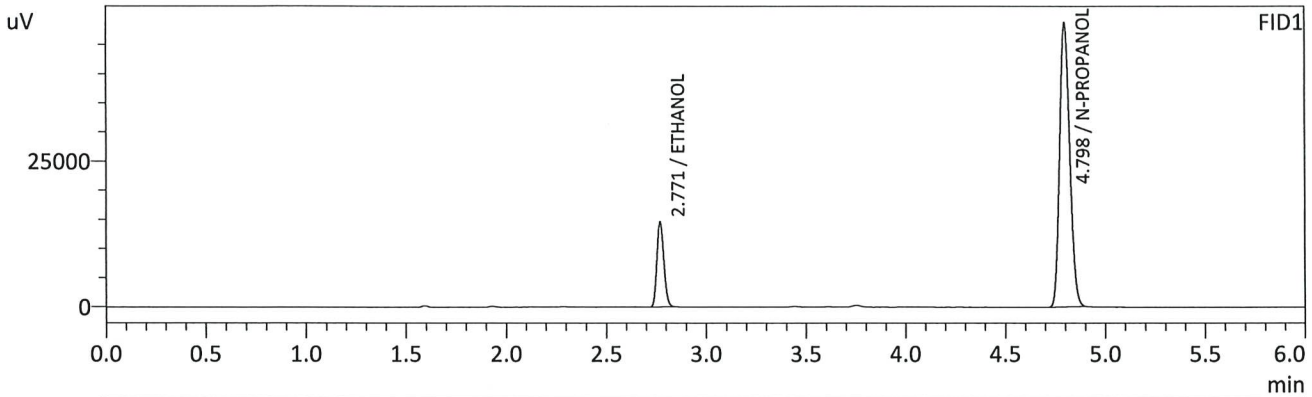
Refer To Instrument Method: ALCOHOL\_050724\_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.089	0.084	0.094	0.005

	Reported Results
	0.089

Calibration and control data are stored centrally.

Sample Name : QC1-3  
 Vial # : 54  
 Data Filename : QC1-3\_582024\_054.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/9/2024 12:46:53 AM  
 Date Processed : 5/9/2024 12:52:54 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

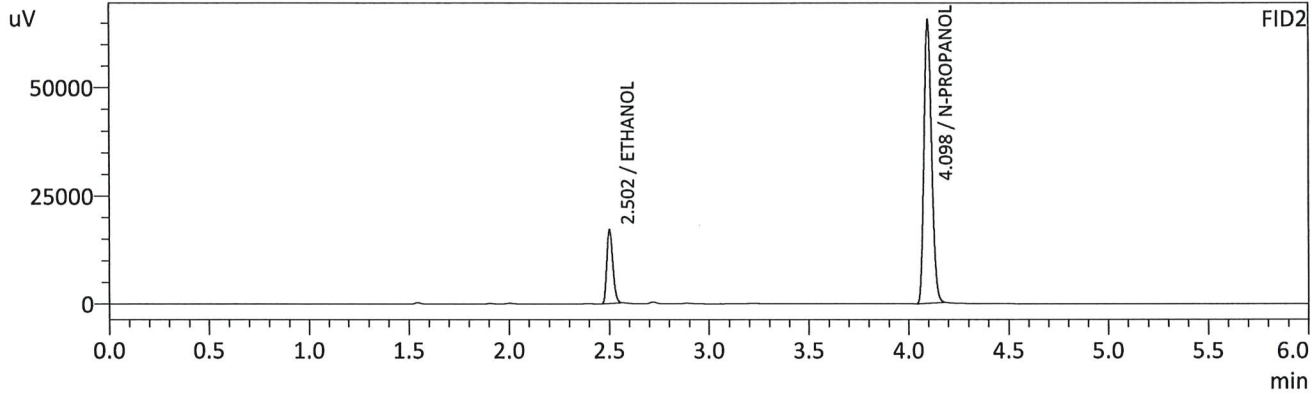
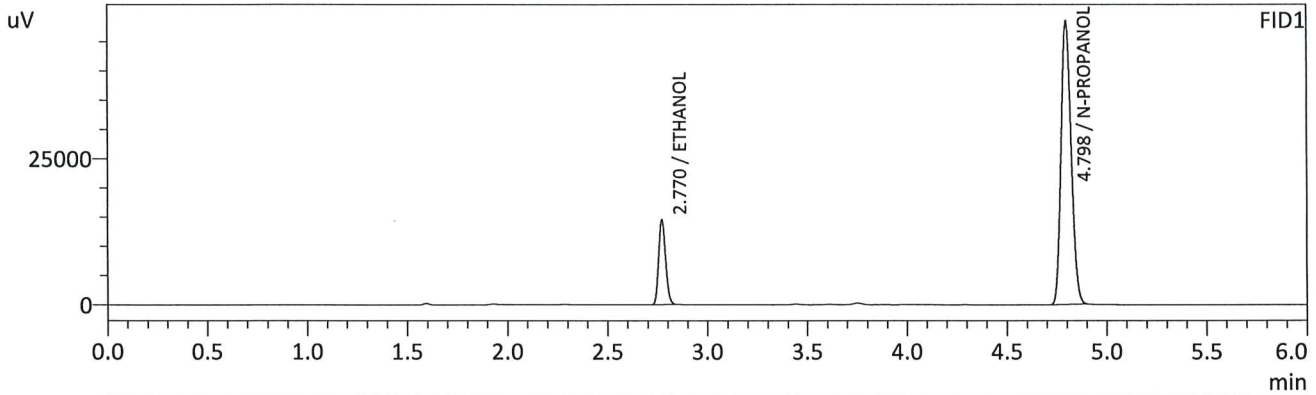
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0896	g/100cc	35388	14581
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172569	48696
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0894	g/100cc	35741	17044
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176603	65911
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*CR*

Sample Name : QC1-3-B  
 Vial # : 55  
 Data Filename : QC1-3-B\_582024\_055.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/9/2024 12:56:36 AM  
 Date Processed : 5/9/2024 1:02:38 AM  
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

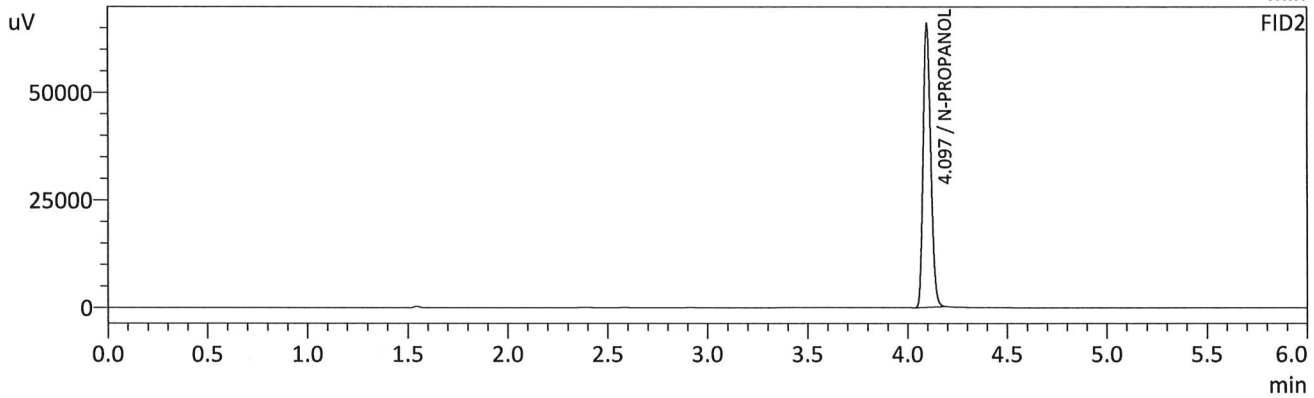
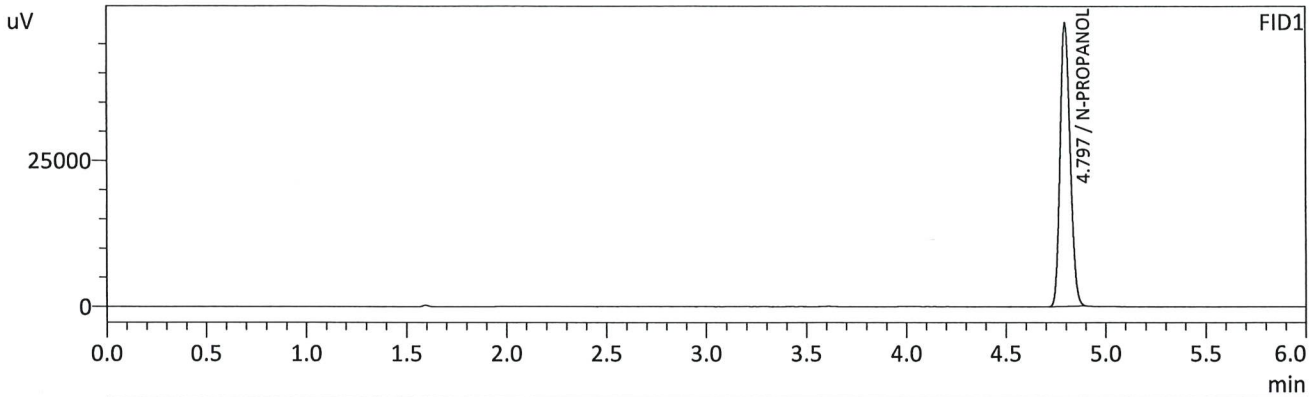
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0896	g/100cc	35097	14491
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	171133	48259
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0895	g/100cc	35451	16872
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175029	65113
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*Handwritten signature/initials*

Sample Name : INT STD BLK 3  
 Vial # : 56  
 Data Filename : INT STD BLK 3\_582024\_056.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/9/2024 1:06:08 AM  
 Date Processed : 5/9/2024 1:12:09 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	171712	48498
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

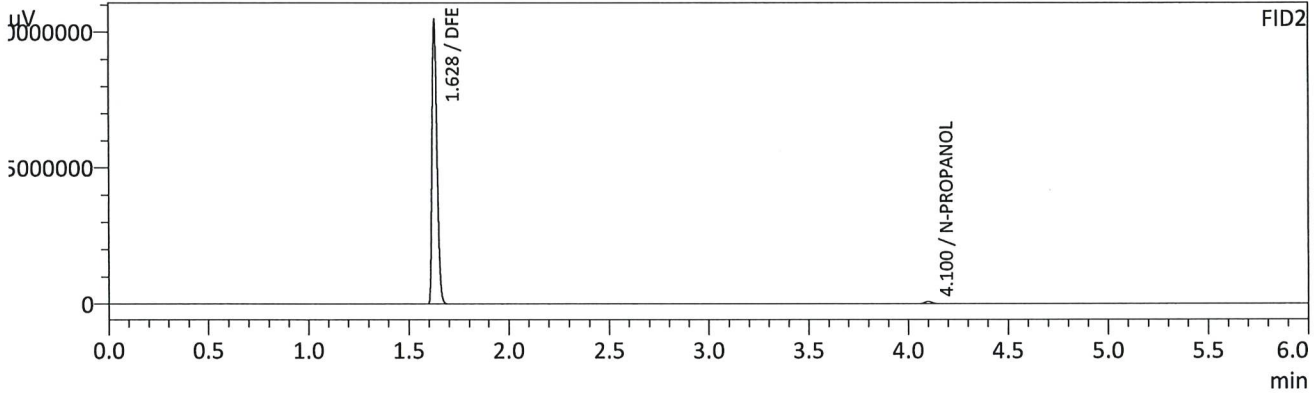
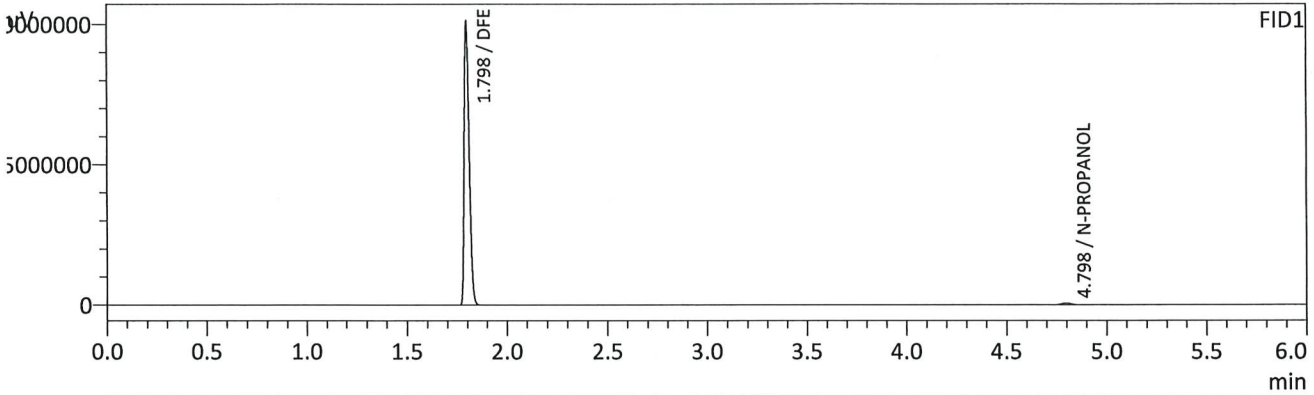
FID2

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	175744	65503
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

*JFC*



Sample Name : DFE  
 Vial # : 57  
 Data Filename : DFE\_582024\_057.gcd  
 Method Filename : ALCOHOL\_050724\_RC.gcm  
 Batch Filename : BATCH\_050824\_RC.gcb  
 Date Acquired : 5/9/2024 1:15:26 AM  
 Date Processed : 5/9/2024 1:21:27 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	215824	60999
DFE	0.0000	g/100cc	17507276	9974212
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	221089	83172
DFE	0.0000	g/100cc	17797028	10296123
TFE	--	g/100cc	--	--

*CR*

# 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_050724_RC.gcm		0
2	MULTI-COMP MIX	0:Unknown	ALCOHOL_050724_RC.gcm		1
3	INT STD BLK 2	0:Unknown	ALCOHOL_050724_RC.gcm		0
4	QC1-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
5	QC1-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
6	0.08 QA	0:Unknown	ALCOHOL_050724_RC.gcm		0
7	0.08 QA - B	0:Unknown	ALCOHOL_050724_RC.gcm		0
8	P2024-0584-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
9	P2024-0584-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
10	P2024-1312-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
11	P2024-1312-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
12	P2024-1333-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
13	P2024-1333-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
14	P2024-1342-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
15	P2024-1342-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
16	P2024-1352-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
17	P2024-1352-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
18	P2024-1353-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
19	P2024-1353-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
20	P2024-1371-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
21	P2024-1371-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
22	P2024-1372-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
23	P2024-1372-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
24	P2024-1374-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
25	P2024-1374-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
26	QC2-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
27	QC2-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
28	P2024-1378-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
29	P2024-1378-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
30	P2024-1385-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
31	P2024-1385-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
32	P2024-1386-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
33	P2024-1386-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
34	P2024-1394-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
35	P2024-1394-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
36	P2024-1404-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
37	P2024-1404-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
38	P2024-1421-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
39	P2024-1421-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
40	P2024-1423-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
41	P2024-1423-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
42	P2024-1424-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
43	P2024-1424-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
44	P2024-1425-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
45	P2024-1425-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
46	P2024-1435-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
47	P2024-1435-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
48	QC1-2	0:Unknown	ALCOHOL_050724_RC.gcm		0
49	QC1-2-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
50	P2024-1447-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
51	P2024-1447-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
52	P2024-1420-1	0:Unknown	ALCOHOL_050724_RC.gcm		0
53	P2024-1420-1-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
54	QC1-3	0:Unknown	ALCOHOL_050724_RC.gcm		0
55	QC1-3-B	0:Unknown	ALCOHOL_050724_RC.gcm		0
56	INT STD BLK 3	0:Unknown	ALCOHOL_050724_RC.gcm		0
57	DFE	0:Unknown	ALCOHOL_050724_RC.gcm		0

\* From Worklist 6806