












REVIEWED

By Galina Giso at 12:28 pm, May 27, 2025

5/23/2025

Worklist: 7147

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
P2025-1294	2	BCK	Alcohol Analysis	
P2025-1331	1	BCK	Alcohol Analysis	
P2025-1335	1	BCK	Alcohol Analysis	
P2025-1336	1	BCK	Alcohol Analysis	
P2025-1345	1	BCK	Alcohol Analysis	
P2025-1352	1	BCK	Alcohol Analysis	
P2025-1354	1	BCK	Alcohol Analysis	
P2025-1362	1	BCK	Alcohol Analysis	
P2025-1364	1	BCK	Alcohol Analysis	
P2025-1365	1	BCK	Alcohol Analysis	
P2025-1366	1	BCK	Alcohol Analysis	
P2025-1374	1	BCK	Alcohol Analysis	
P2025-1389	1	BCK	Alcohol Analysis	
P2025-1396	1	BCK	Alcohol Analysis	
P2025-1397	1	BCK	Alcohol Analysis	
P2025-1402	1	BCK	Alcohol Analysis	
P2025-1403	1	BCK	Alcohol Analysis	
P2025-1411	1	BCK	Alcohol Analysis	

Also ran P2025-1280-1 from Worklist7130 with this batch.

RC 5/23/25

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): 5/23/25

Calibration Date: (if different):

Worklist #: 7147

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Oct-26	2209047	0.0877	0.0789-0.0964	0.0831 g/100cc
					g/100cc
					0.2095 g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2118 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2028 May	Lot #	FN02162310 OK
Curve Fit:		Column 1	Column 1	Column 2	0.99992

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	0.0514	0.0003	0.0512
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1987	0.1984	0.0003	0.1985
300	0.300	0.270 - 0.330	0.2983	0.2981	0.0002	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5012	0.5014	0.0002	0.5013

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

Worksheet #: 7147

Run Date(s):

5/23/25

Internal Standard Solution: Prep Date: 5/8/2025 Exp Date: 11/8/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	174230	172573
0.080	175477	173613
QC1	177731	176167
QC1	174049	172412
QC1		
QC1		
QC1		
QC1		
QC2	172305	170314
QC2	175597	173596
QC2	174868	173239
QC2	174244	172530
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	174812.6	139850.1	209775.2
Column 2	173055.5	138444.4	207666.6

Revision: 5

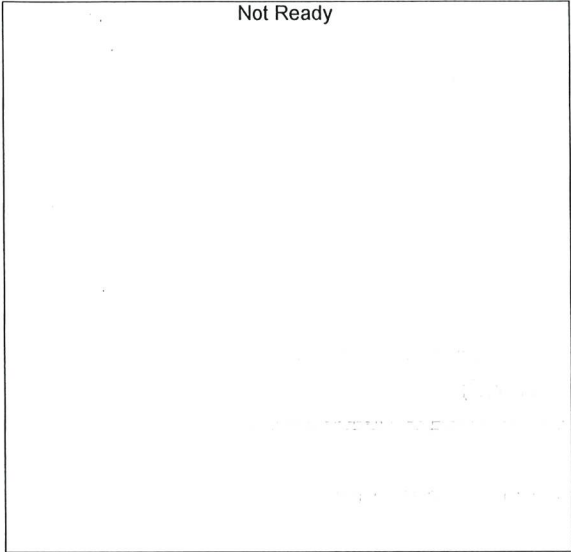
Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Calibration Table

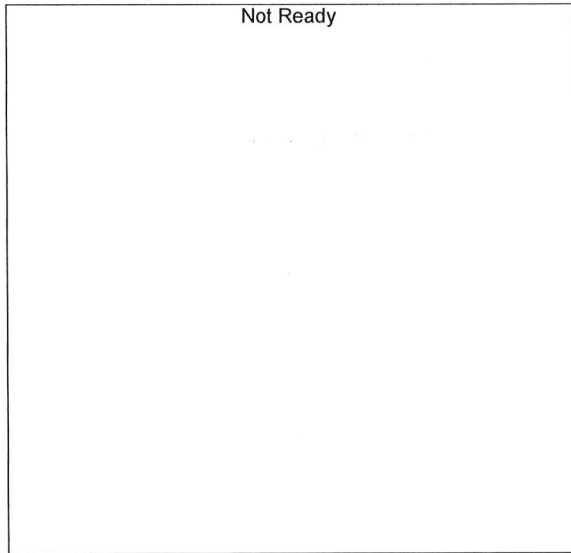
Laboratory: Pocatello
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

<<Data File>>
 Method File :Default Project - ALCOHOL_052325_RC.gcm
 Batch File :Default Project - BATCH_052325_RC.gcb
 Date Acquired :5/23/2025 3:53:12 PM
 Date Created :5/23/2025 3:49:42 PM
 Date Modified :5/23/2025 3:59:13 PM



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

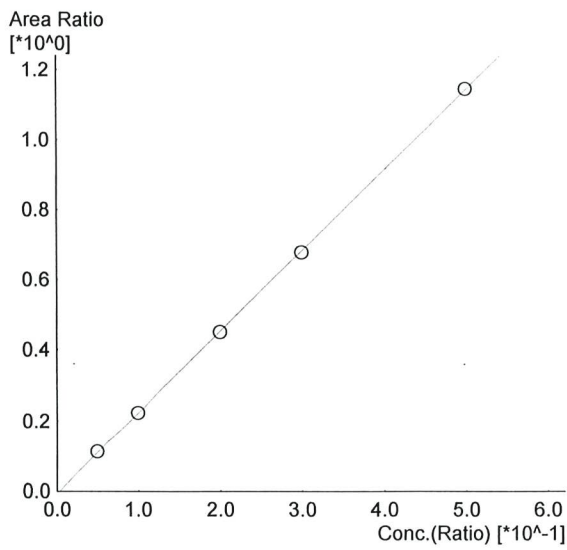
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

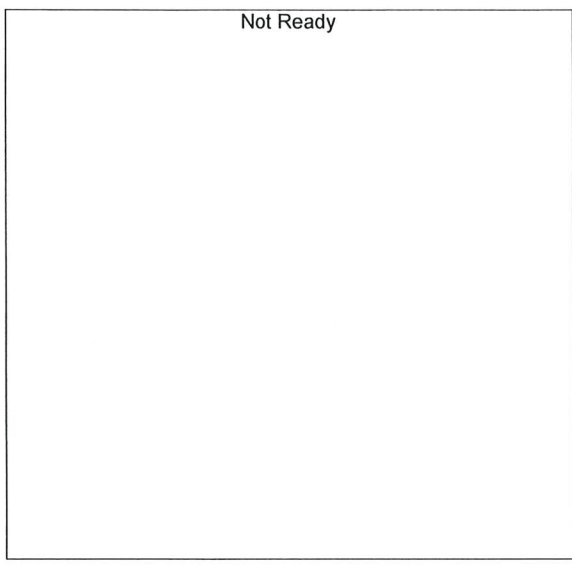
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------

RC



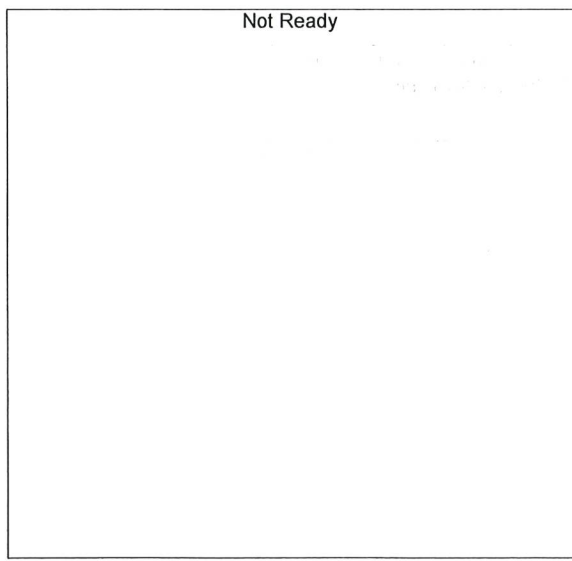
Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.29671*x-0.00736635$
 R² value= 0.9999417 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19552	0.0511	0.050_5232025_001.gcd
2	0.100	39541	0.1004	0.100_5232025_002.gcd
3	0.200	80166	0.1987	0.200_5232025_003.gcd
4	0.300	120875	0.2983	0.300_5232025_004.gcd
5	0.500	203347	0.5012	0.500_5232025_005.gcd



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

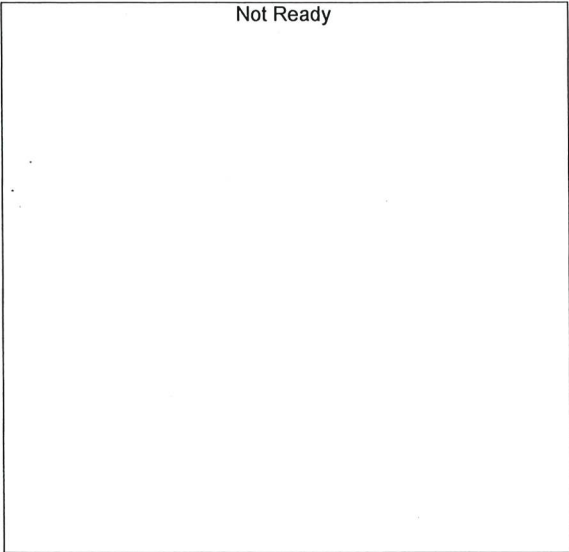
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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

JRC



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



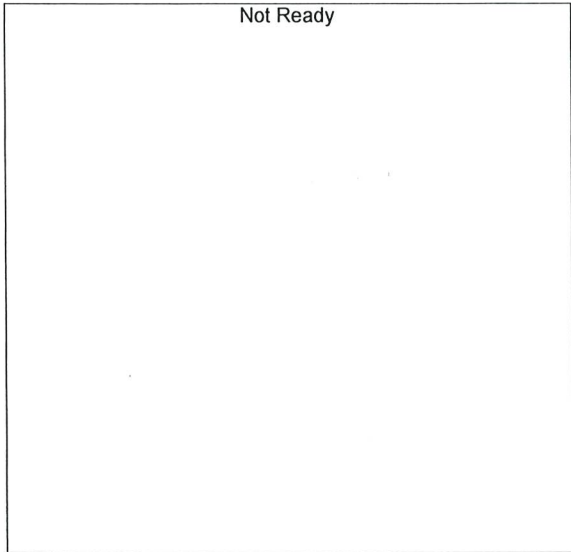
Name : DME
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



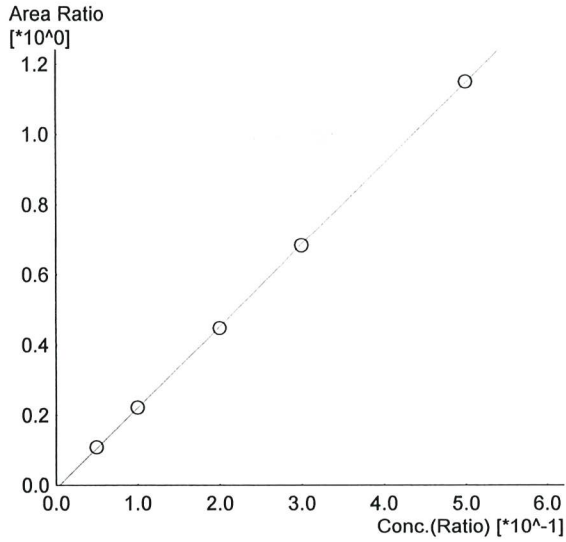
Name : ACETALDEHYDE
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



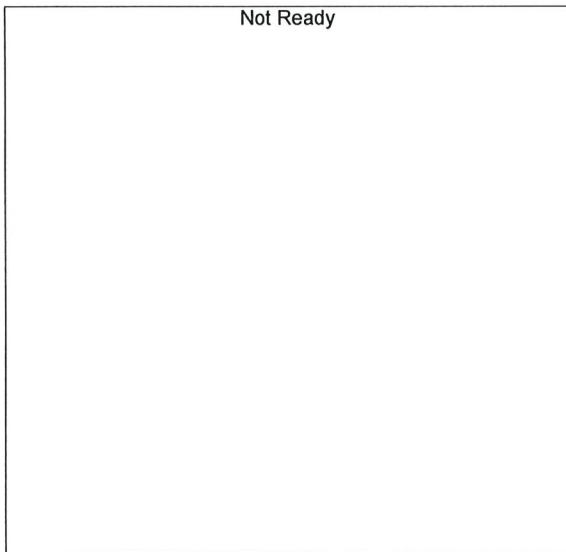
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.31626*x-0.0107708$
 R² value= 0.9999206 ✓
 FitType: Linear
 ZeroThrough: Not Through

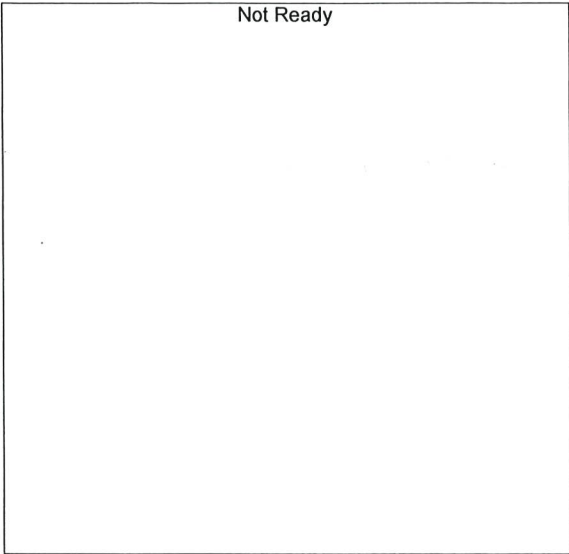
#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19153	0.0514	0.050_5232025_001.gcd
2	0.100	39006	0.1003	0.100_5232025_002.gcd
3	0.200	79678	0.1984	0.200_5232025_003.gcd
4	0.300	120679	0.2981	0.300_5232025_004.gcd
5	0.500	204047	0.5014	0.500_5232025_005.gcd



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

RC



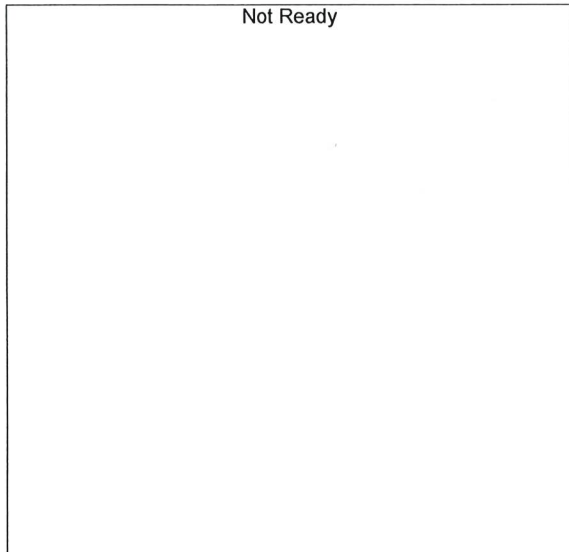
Name : ISOPROPYL ALCOHOL
Detector Name: FID2
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

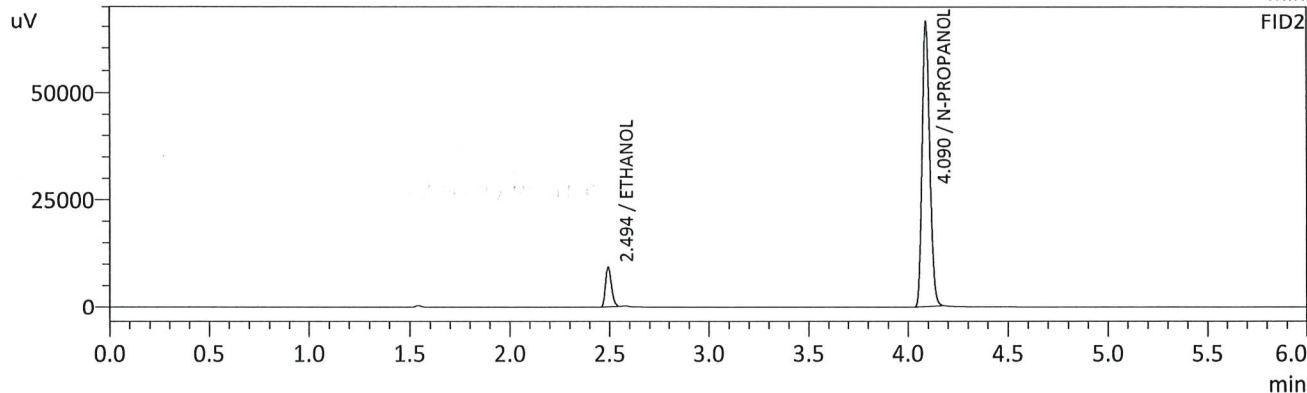
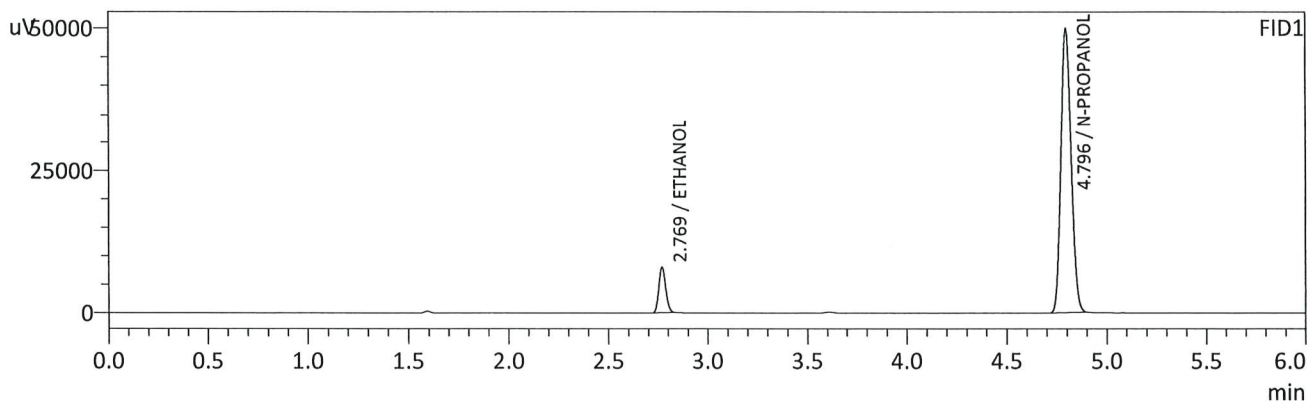
#	Conc.	Area	Std. Conc.	Data File Name
---	-------	------	------------	----------------



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_5232025_001.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 3:15:05 PM
 Date Processed : 5/27/2025 9:39:56 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

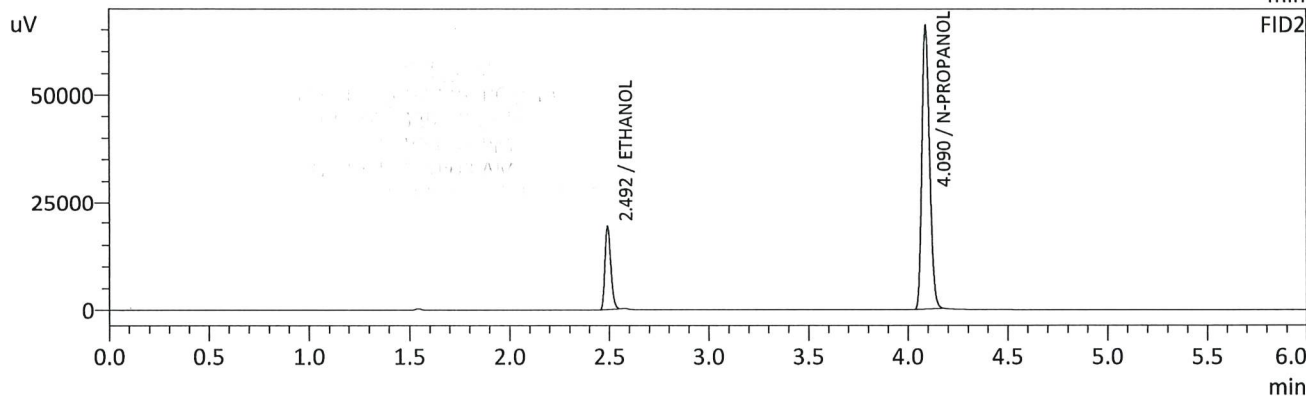
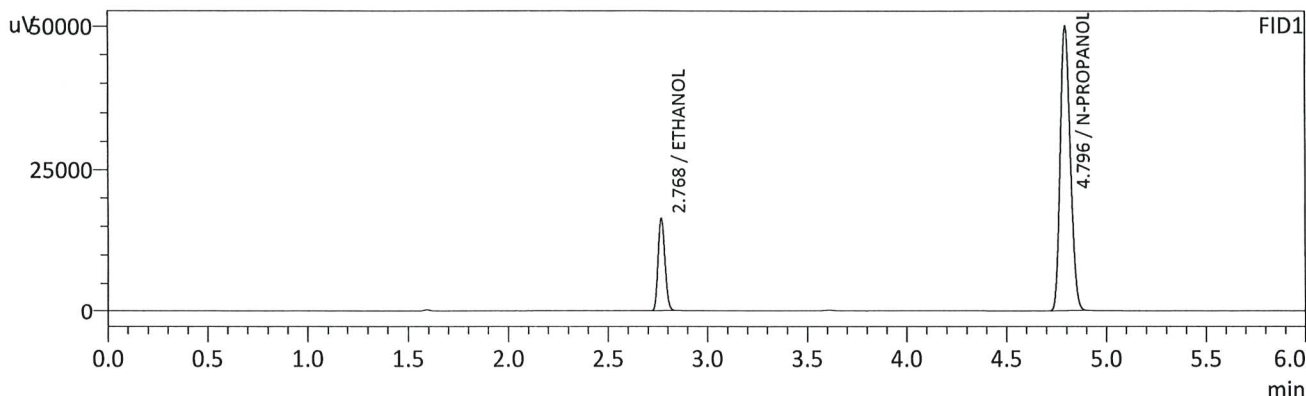
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0511	g/100cc	19552	8039
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177530	49947
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0514	g/100cc	19153	9178
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176502	66000
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_5232025_002.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 3:24:35 PM
 Date Processed : 5/27/2025 9:40:03 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

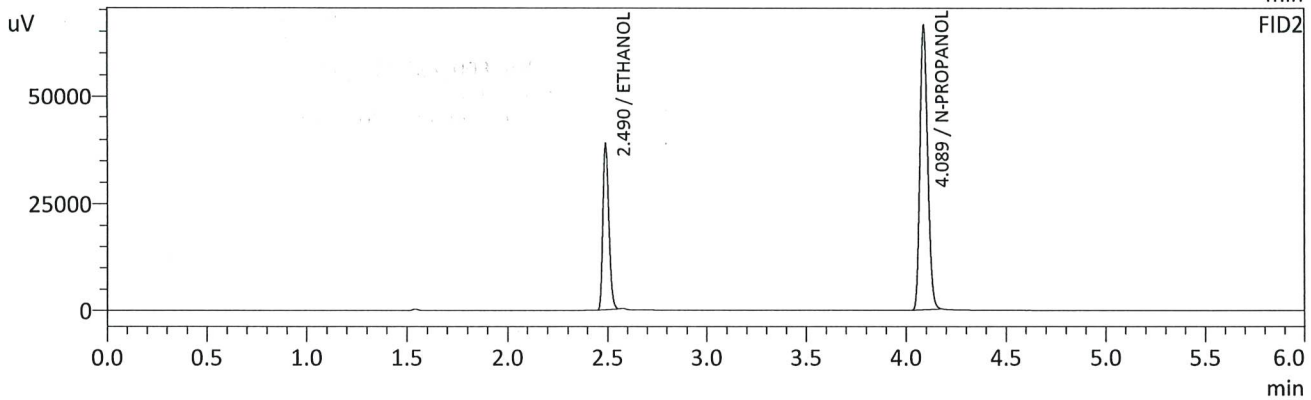
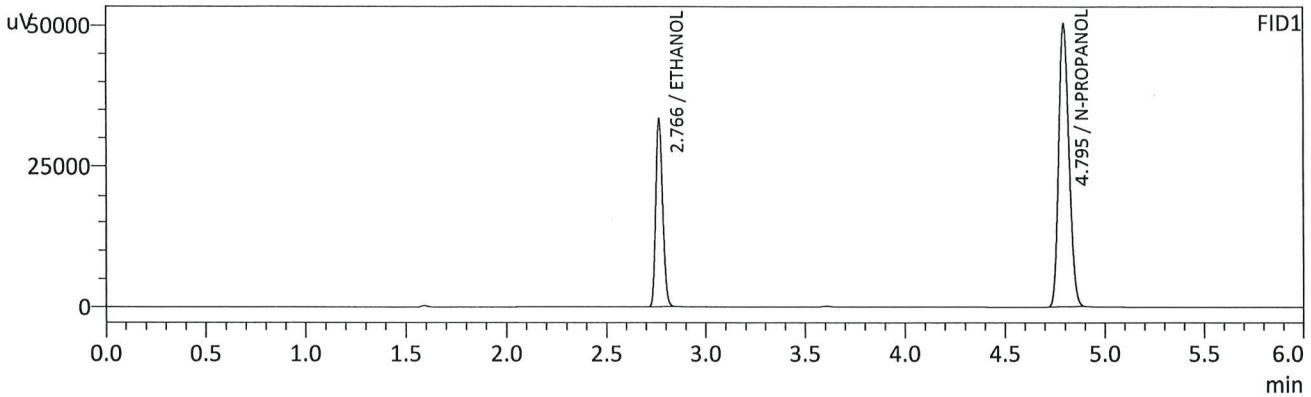
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1004	g/100cc	39541	16206
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177064	49978
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1003	g/100cc	39006	18710
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175954	65746
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_5232025_003.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 3:33:55 PM
 Date Processed : 5/27/2025 9:40:06 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

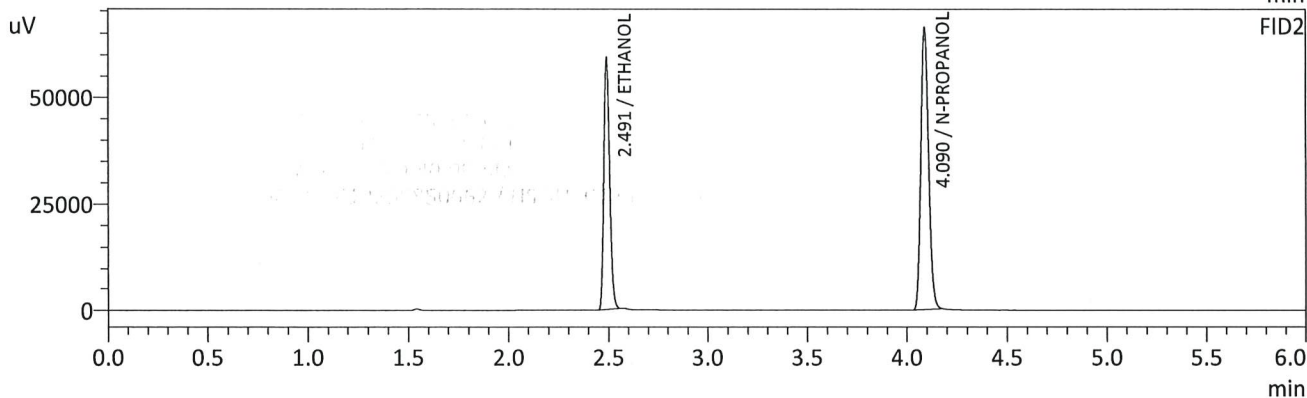
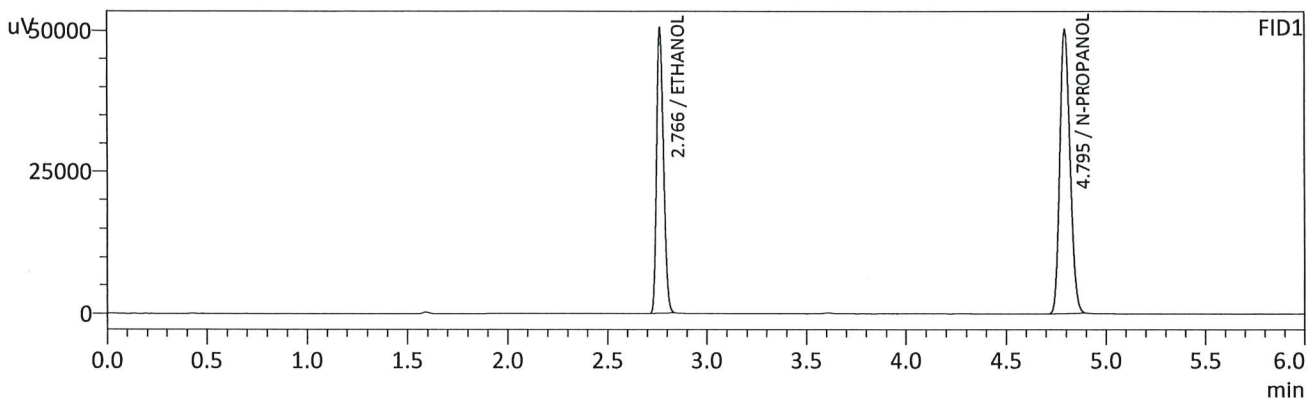
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1987	g/100cc	80166	33289
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178466	50335
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1984	g/100cc	79678	38860
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177461	65968
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_5232025_004.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 3:43:39 PM
 Date Processed : 5/27/2025 9:40:09 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

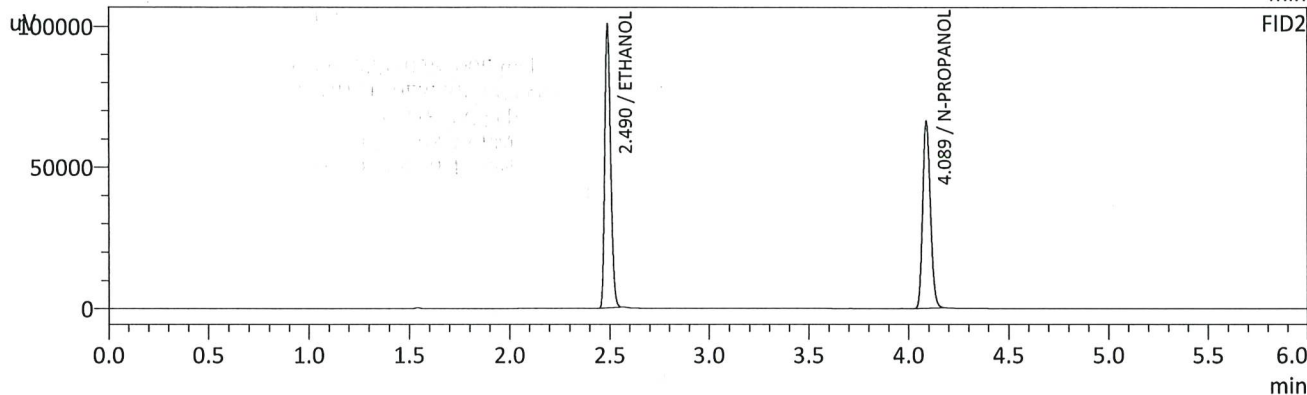
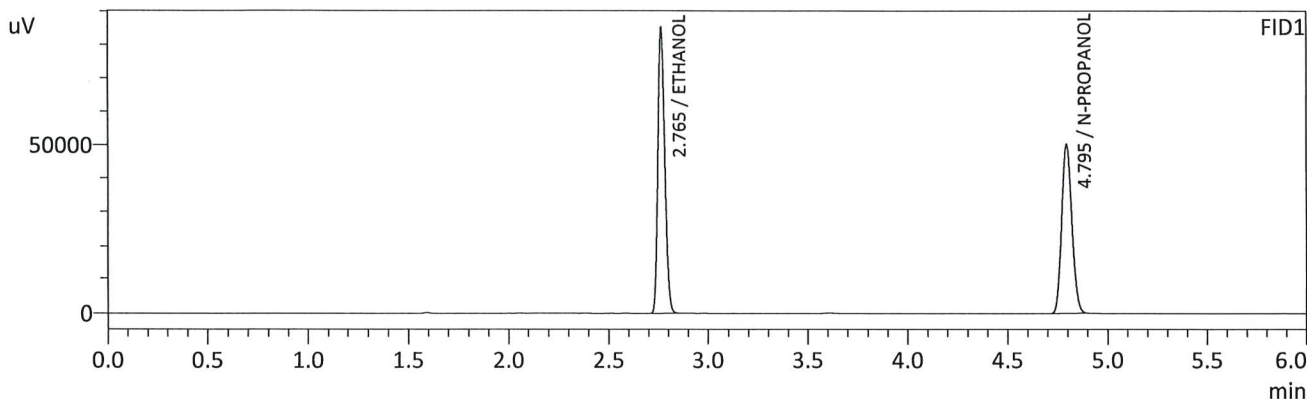
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	120875	50356
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	178333	50167
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2981	g/100cc	120679	59032
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177503	66217
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_5232025_005.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 3:53:12 PM
 Date Processed : 5/23/2025 3:59:13 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

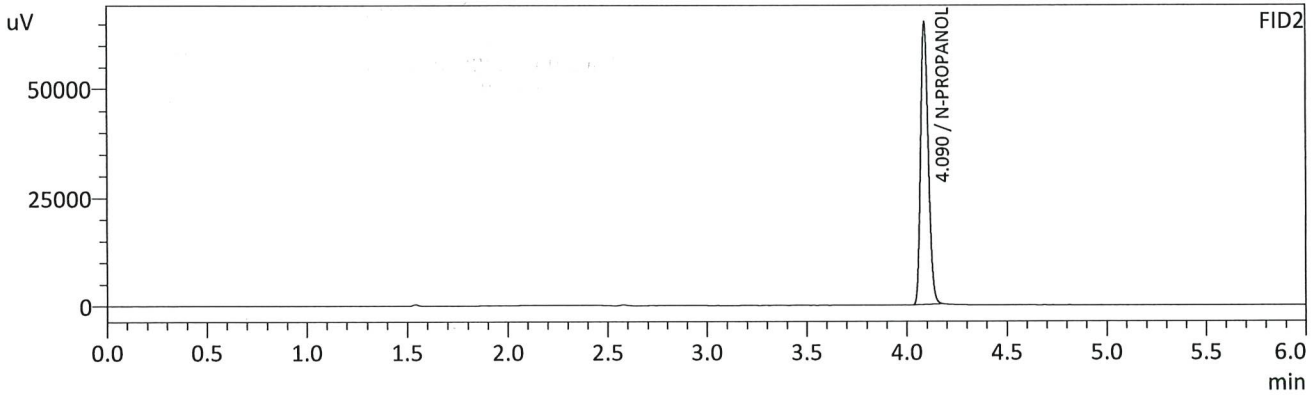
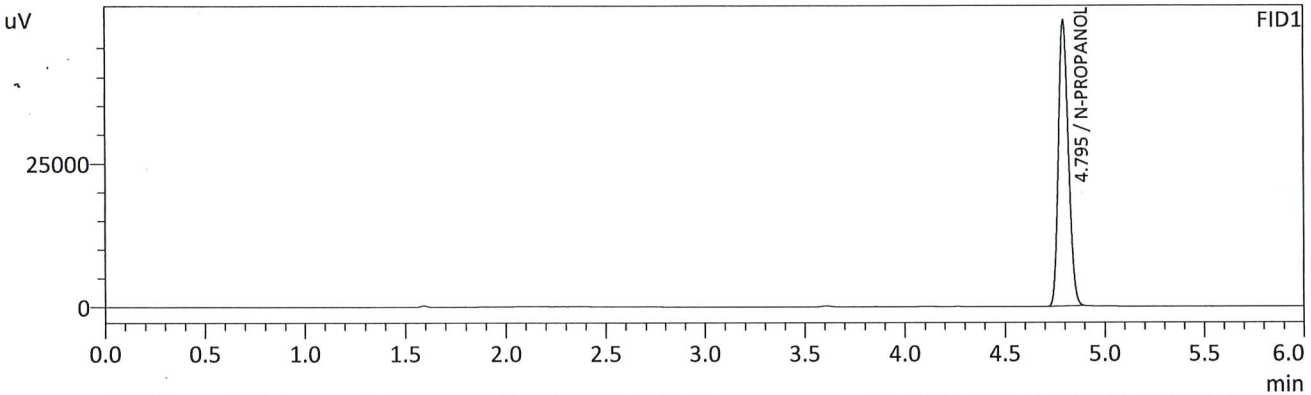
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5012	g/100cc	203347	85018
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177761	50135
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5014	g/100cc	204047	100343
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177312	65863
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_5232025_006.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:02:30 PM
 Date Processed : 5/23/2025 4:08:32 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

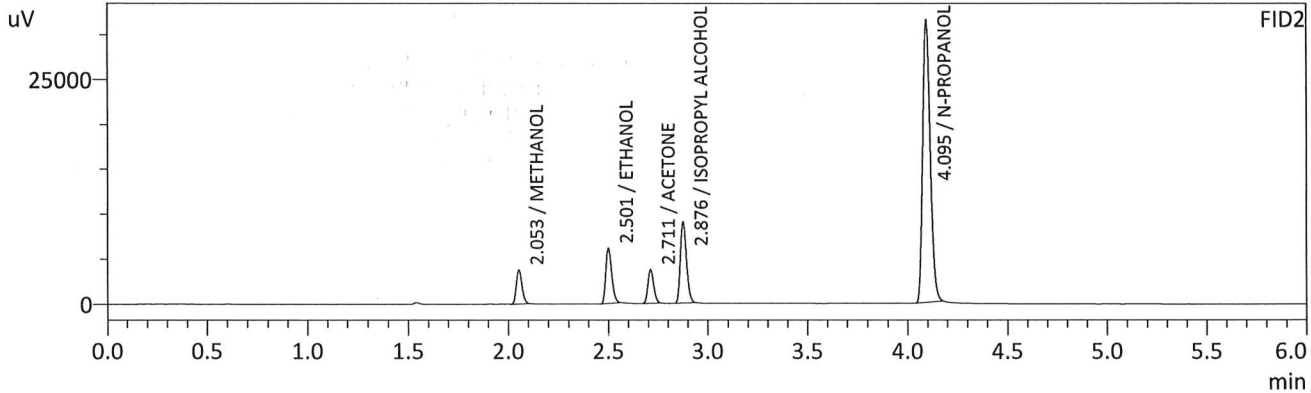
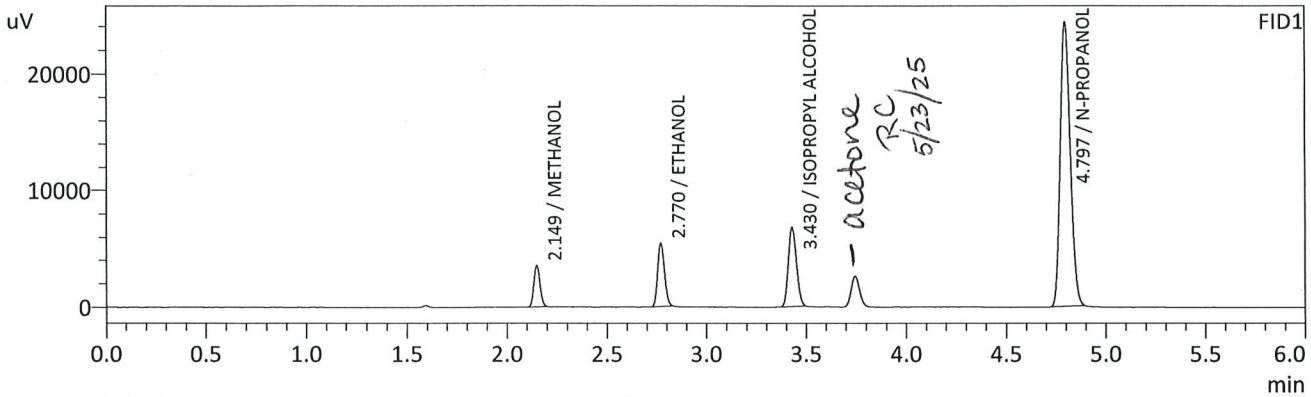
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175096	49508
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	173540	65051
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_5232025_007.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:12:14 PM
 Date Processed : 5/23/2025 4:18:16 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

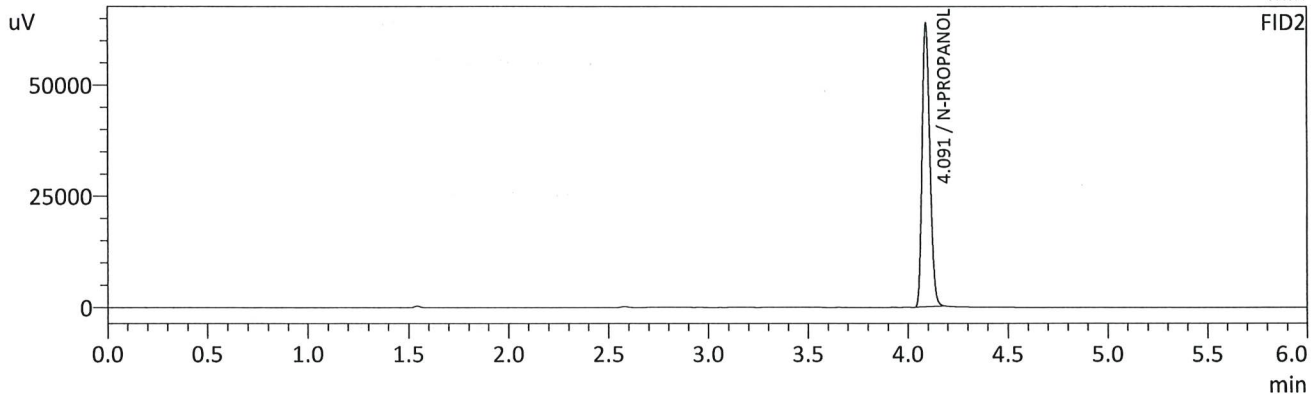
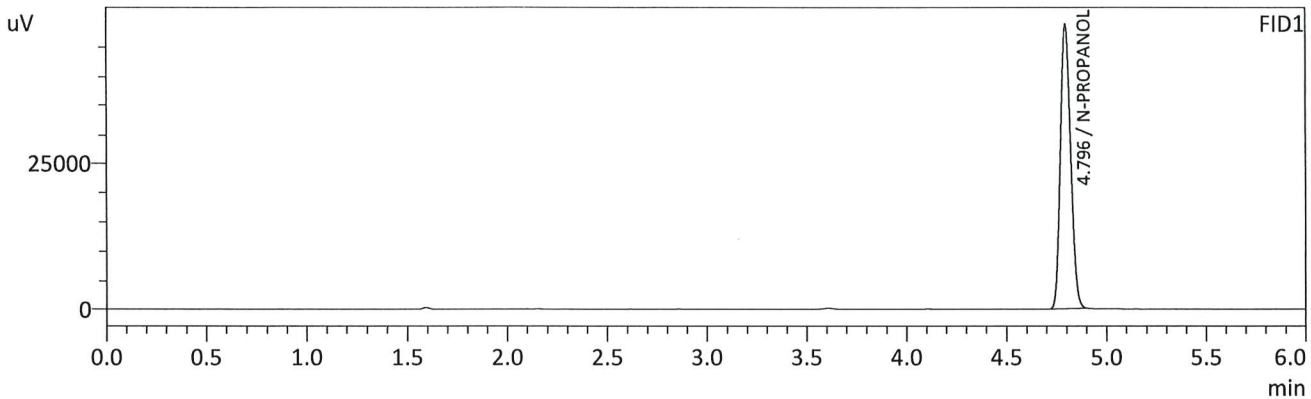
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	7454	3489
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0689	g/100cc	12946	5429
ISOPROPYL ALCOHOL	0.0000	g/100cc	19149	6774
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	85756	24237
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	7499	3740
ETHANOL	0.0700	g/100cc	12690	6115
ACETONE	0.0000	g/100cc	7672	3704
ISOPROPYL ALCOHOL	0.0000	g/100cc	19419	8983
N-PROPANOL	0.0000	g/100cc	83758	31456
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_5232025_008.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:21:47 PM
 Date Processed : 5/23/2025 4:27:48 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	173006	48809
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	171145	63867
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 5/23/2025 4:31:05 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0832	0.0829	0.0003	0.0830	0.0003	0.0831
(g/100cc)	0.0835	0.0831	0.0004	0.0833		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_052325_RC.gcm

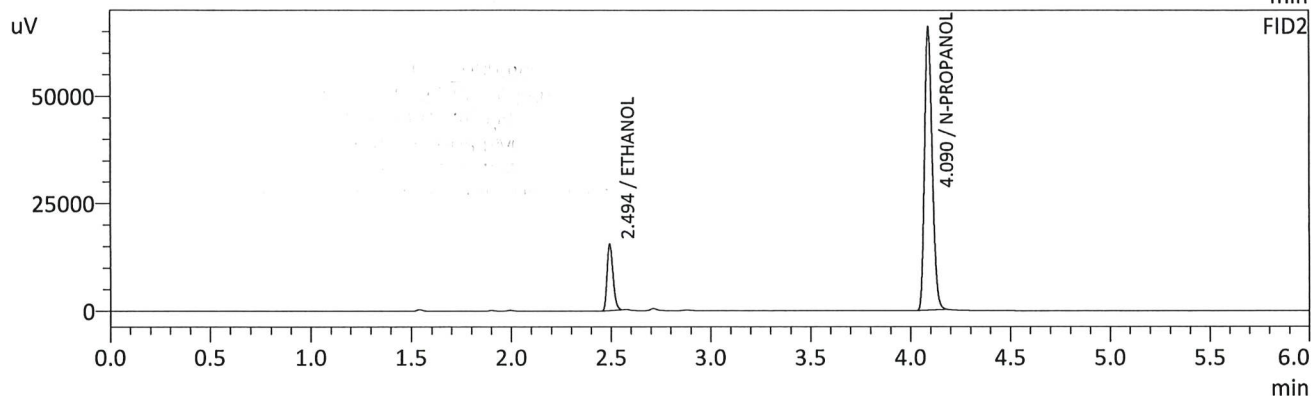
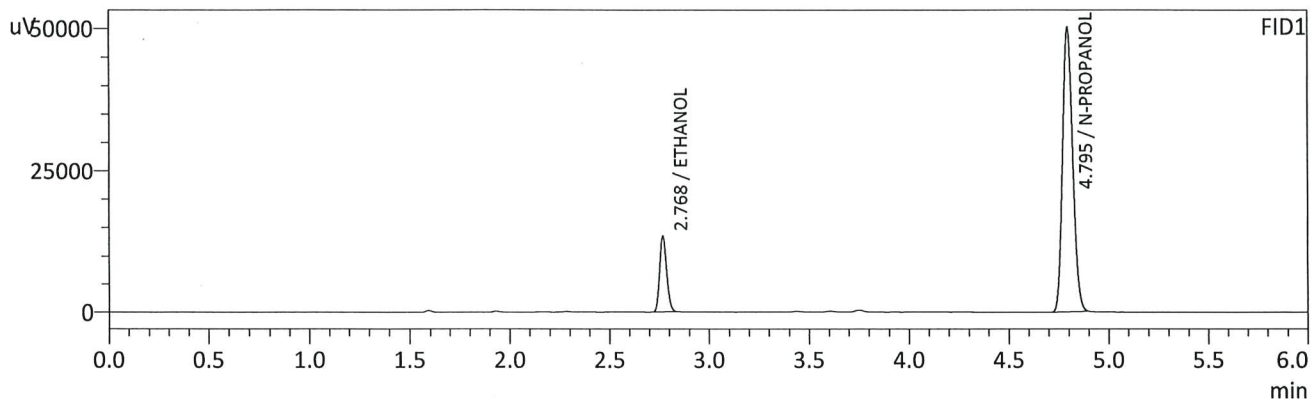
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

	Reported Results
	0.083

Calibration and control data are stored centrally.

CRC

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_5232025_009.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:31:05 PM
 Date Processed : 5/23/2025 4:37:07 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

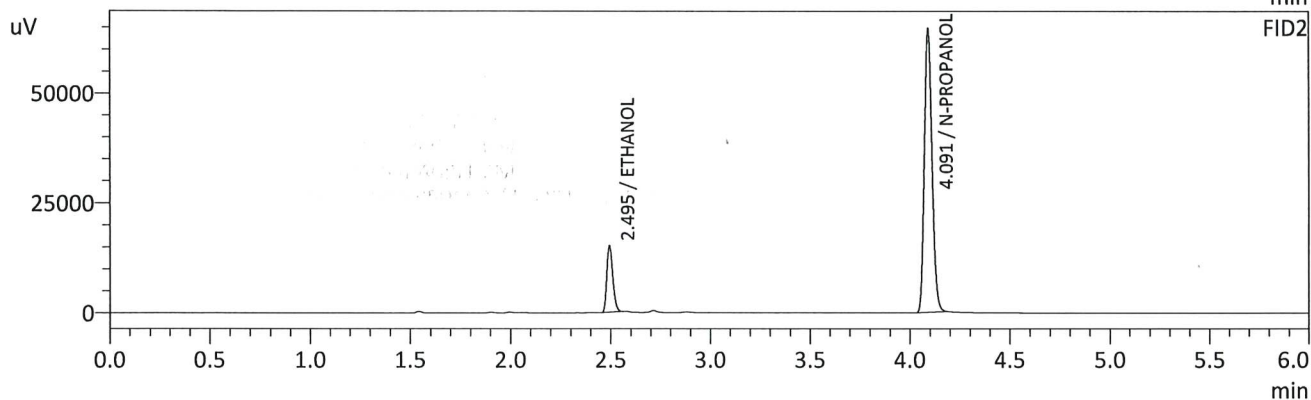
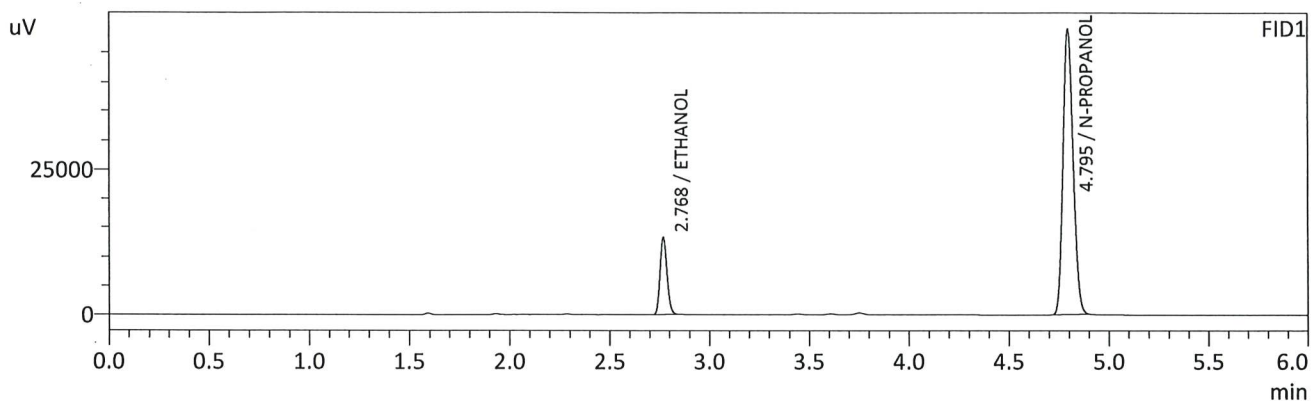
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0832	g/100cc	32667	13336
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	177731	50135
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0829	g/100cc	31941	15319
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	176167	65885
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_5232025_010.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:40:49 PM
 Date Processed : 5/23/2025 4:46:51 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0835	g/100cc	32109	13145
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174049	49004
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0831	g/100cc	31367	15104
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172412	64577
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 5/23/2025 4:50:21 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	0.0817	0.0001	0.0817	0.0003	0.0816
(g/100cc)	0.0815	0.0814	0.0001	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

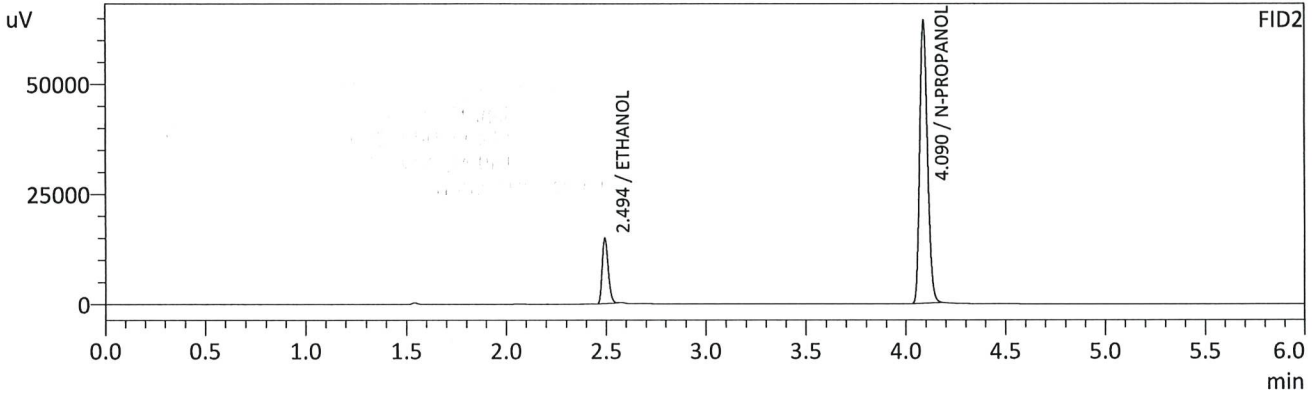
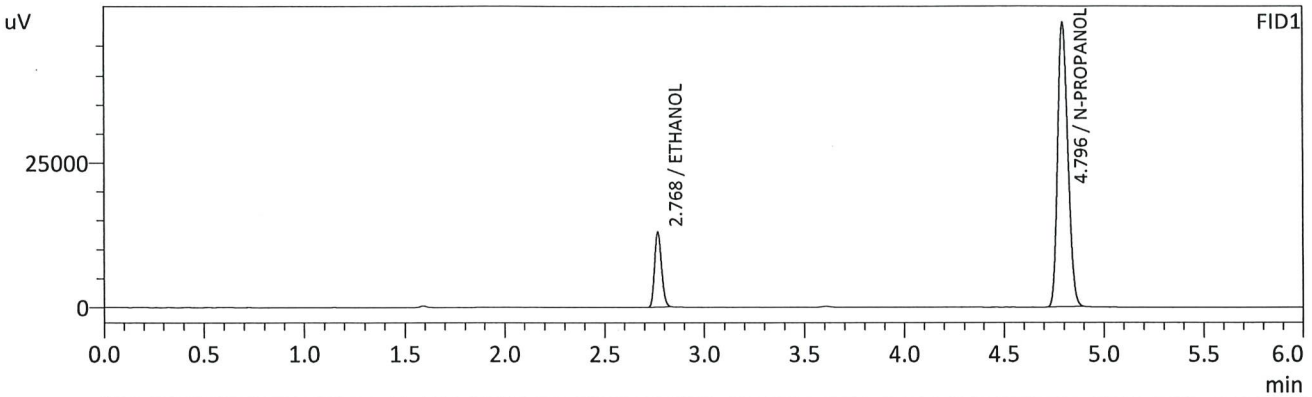
Refer To Instrument Method: ALCOHOL_052325_RC.gcm

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.

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_5232025_011.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:50:21 PM
 Date Processed : 5/23/2025 4:56:24 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

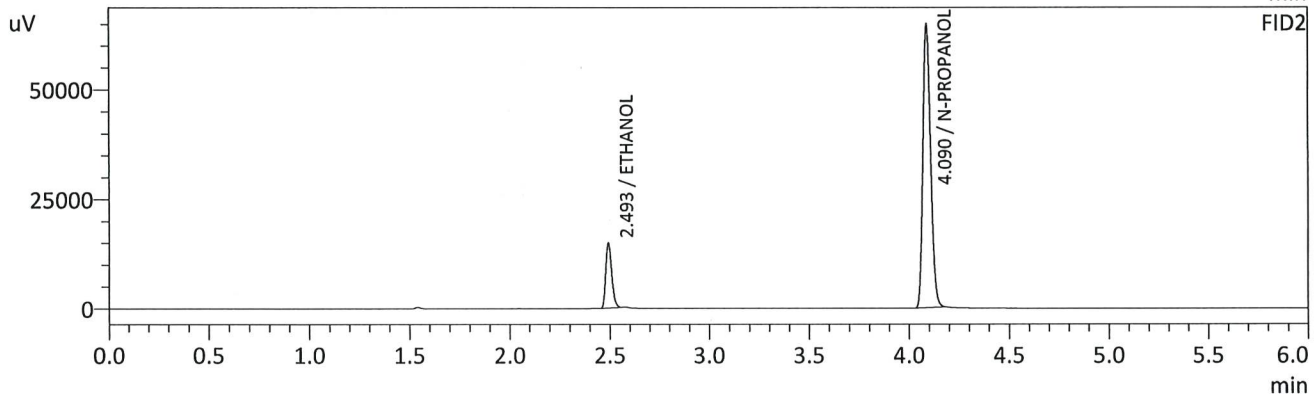
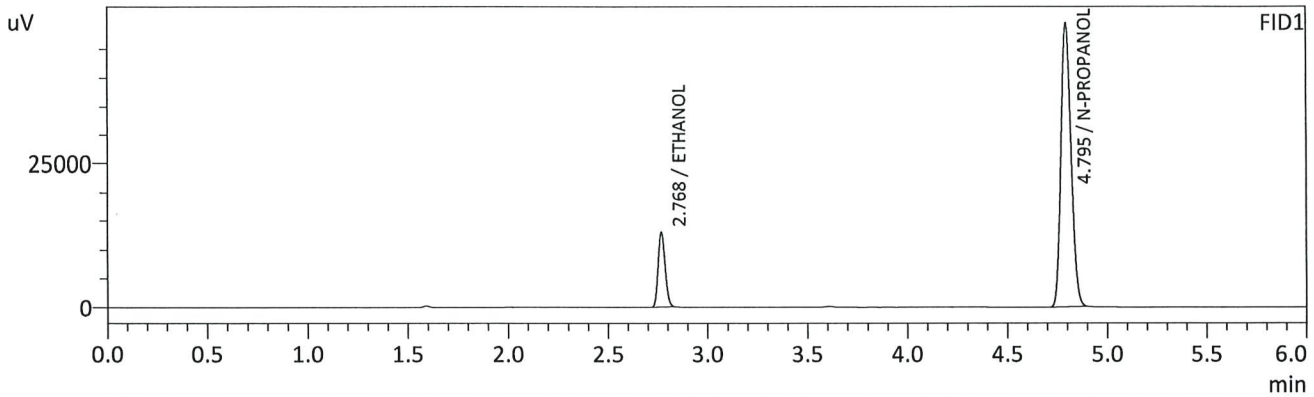
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0818	g/100cc	31451	12883
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174230	49159
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	30808	14788
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172573	64304
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_5232025_012.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 4:59:40 PM
 Date Processed : 5/23/2025 5:05:42 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0815	g/100cc	31590	12932
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175477	49458
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0814	g/100cc	30889	14831
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173613	64714
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 5/23/2025 8:00:51 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2092	0.2097	0.0005	0.2094	0.0002	0.2095
(g/100cc)	0.2094	0.2098	0.0004	0.2096		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

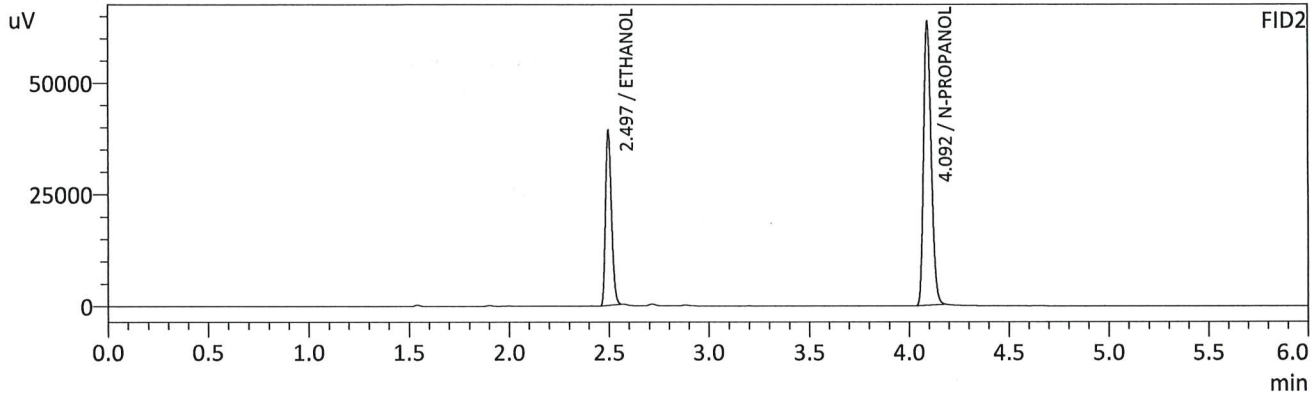
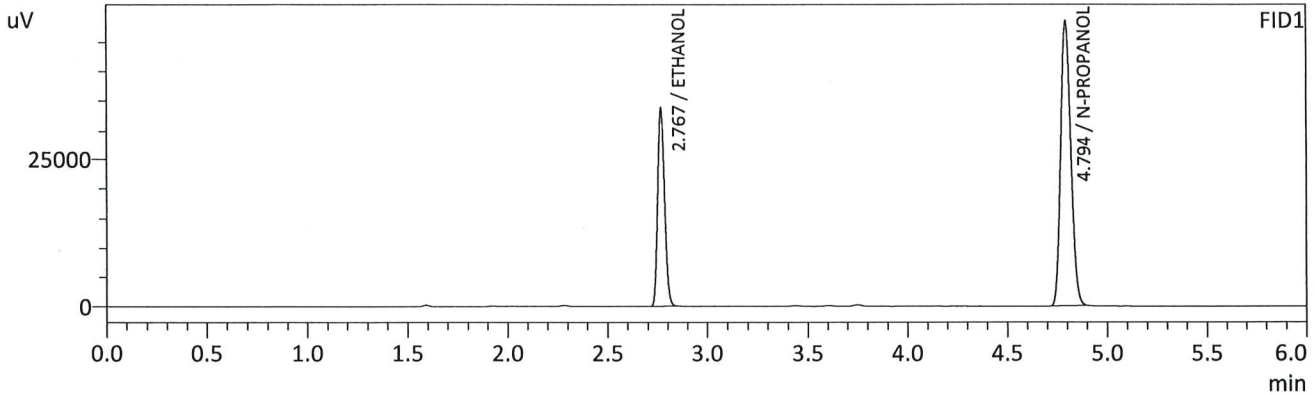
Refer To Instrument Method: ALCOHOL_052325_RC.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.209	0.198	0.220	0.011

	Reported Results
	0.209

Calibration and control data are stored centrally.

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_5232025_031.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 8:00:51 PM
 Date Processed : 5/23/2025 8:06:52 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

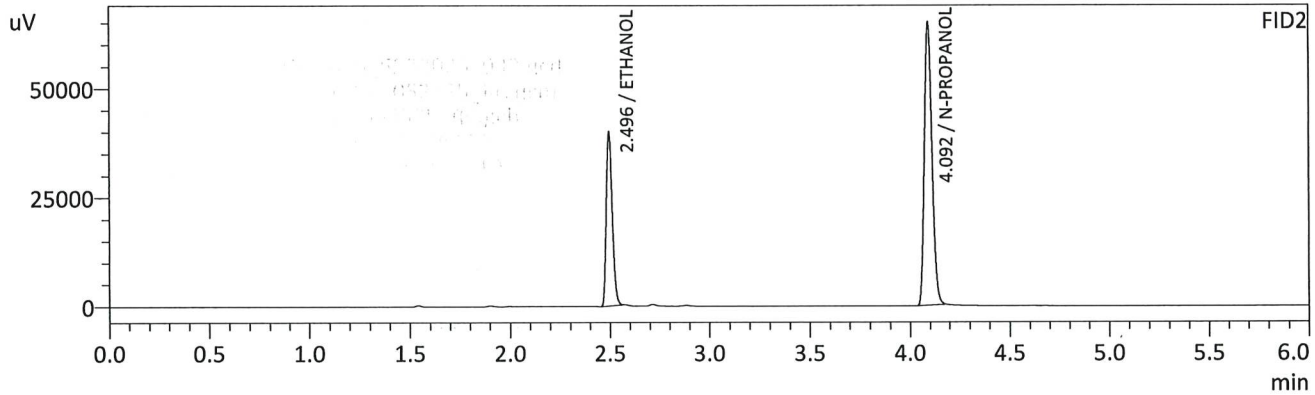
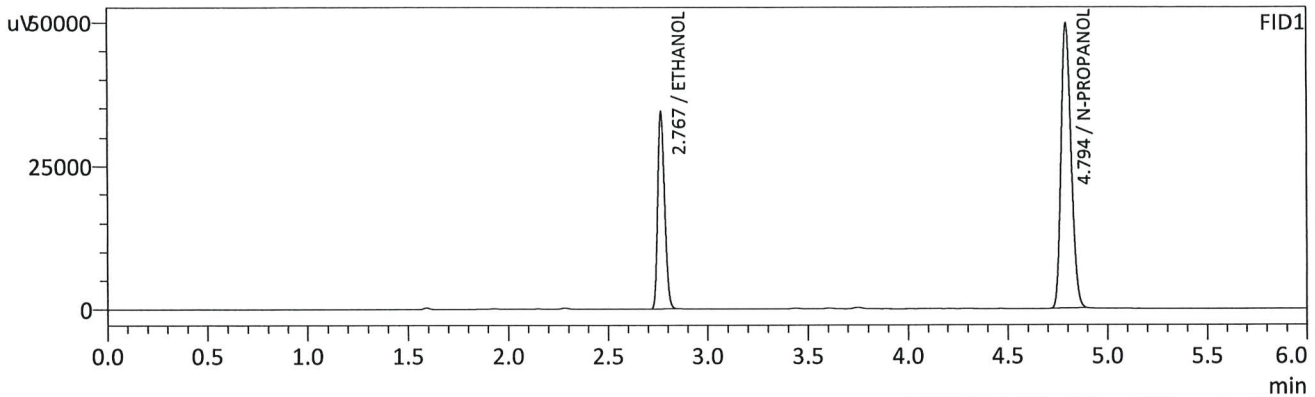
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2092	g/100cc	81557	33548
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172305	48532
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2097	g/100cc	80913	38782
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	170314	63424
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CRC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_5232025_032.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 8:10:23 PM
 Date Processed : 5/23/2025 8:16:24 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2094	g/100cc	83159	34170
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	175597	49599
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2098	g/100cc	82500	39593
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173596	64693
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CR

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2		Analysis Date(s): 5/23/2025 11:30:24 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2133	0.0002	0.2132	0.0028	0.2118
(g/100cc)	0.2104	0.2104	0.0000	0.2104		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_052325_RC.gcm

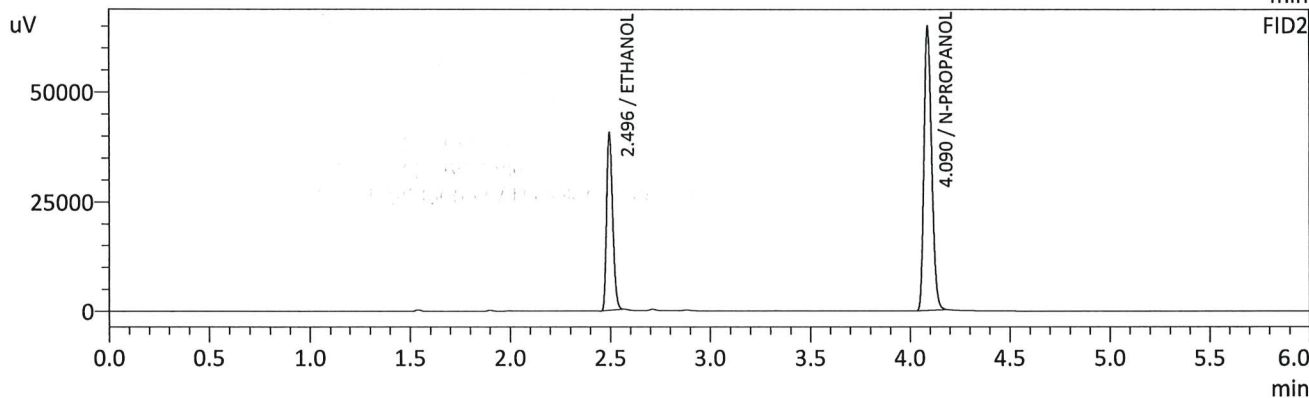
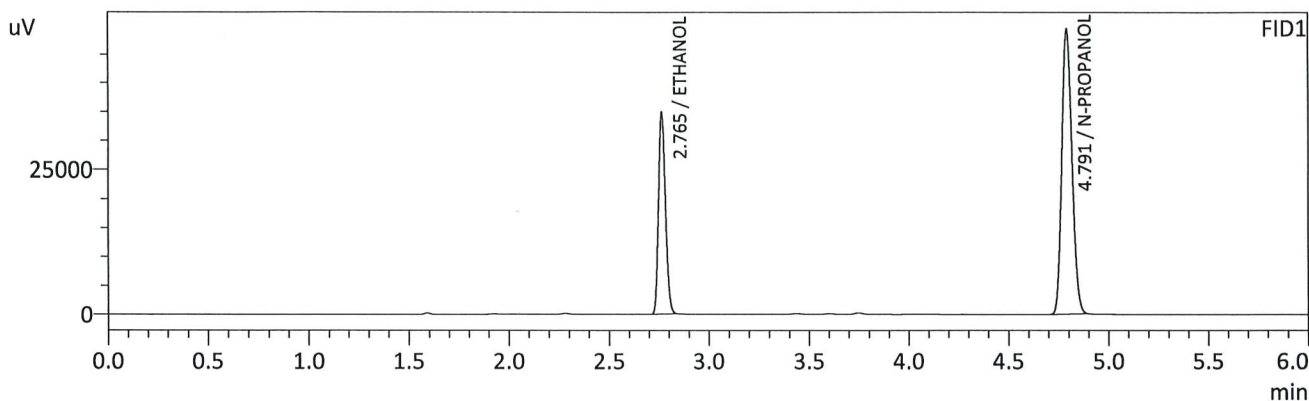
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.211	0.200	0.222	0.011

	Reported Results
	0.211

Calibration and control data are stored centrally.

RC

Sample Name : QC2-2
 Vial # : 53
 Data Filename : QC2-2_5232025_053.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 11:30:24 PM
 Date Processed : 5/23/2025 11:36:24 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

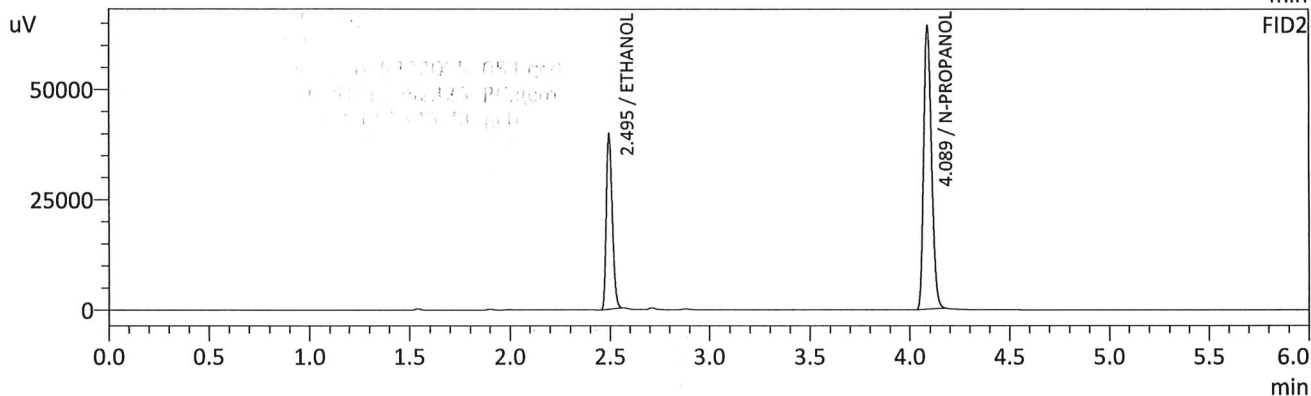
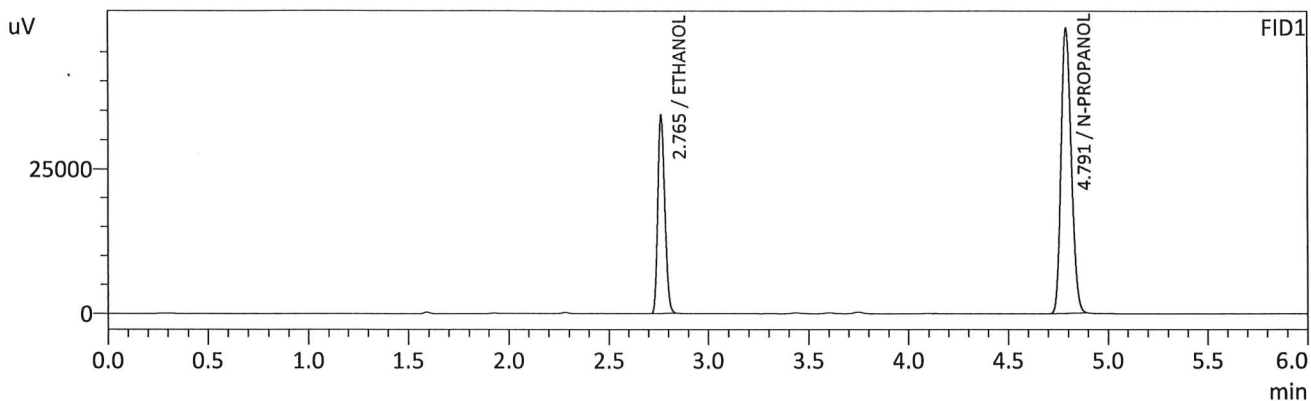
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2131	g/100cc	84324	34838
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174868	49342
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2133	g/100cc	83749	40346
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	173239	64767
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

ARC

Sample Name : QC2-2-B
 Vial # : 54
 Data Filename : QC2-2-B_5232025_054.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 11:39:40 PM
 Date Processed : 5/23/2025 11:45:42 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

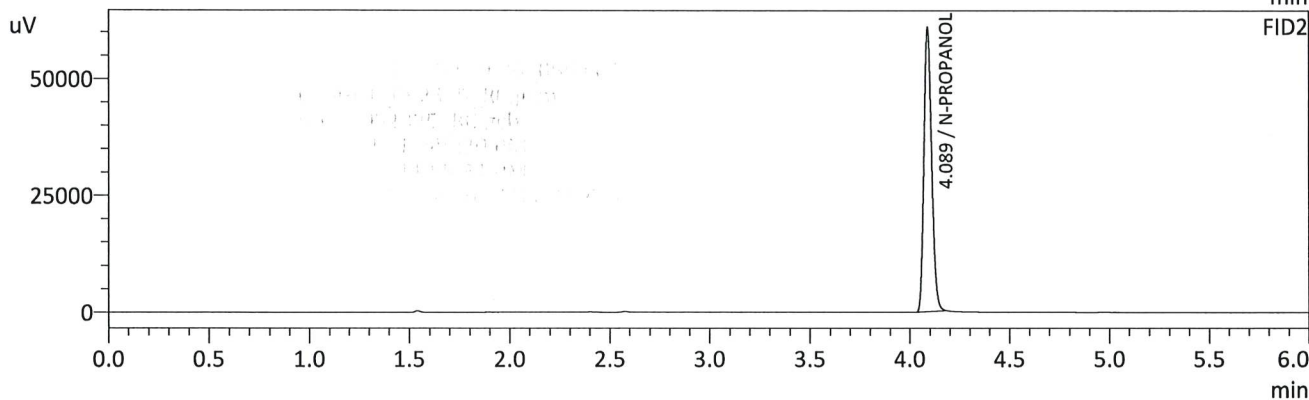
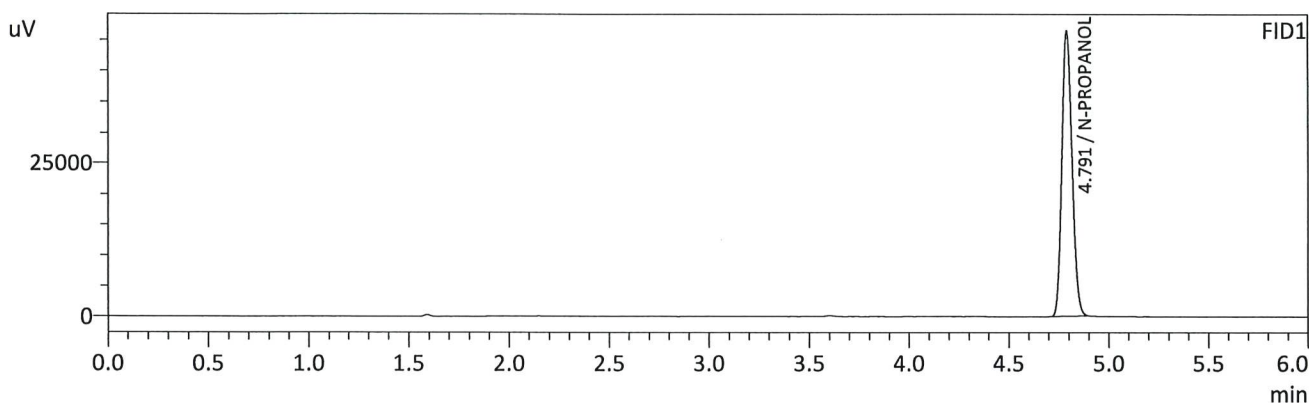
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2104	g/100cc	82950	34242
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	174244	49219
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2104	g/100cc	82258	39830
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	172530	64064
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

CAC

Sample Name : INT STD BLK 3
 Vial # : 55
 Data Filename : INT STD BLK 3_5232025_055.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 11:49:30 PM
 Date Processed : 5/23/2025 11:55:31 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

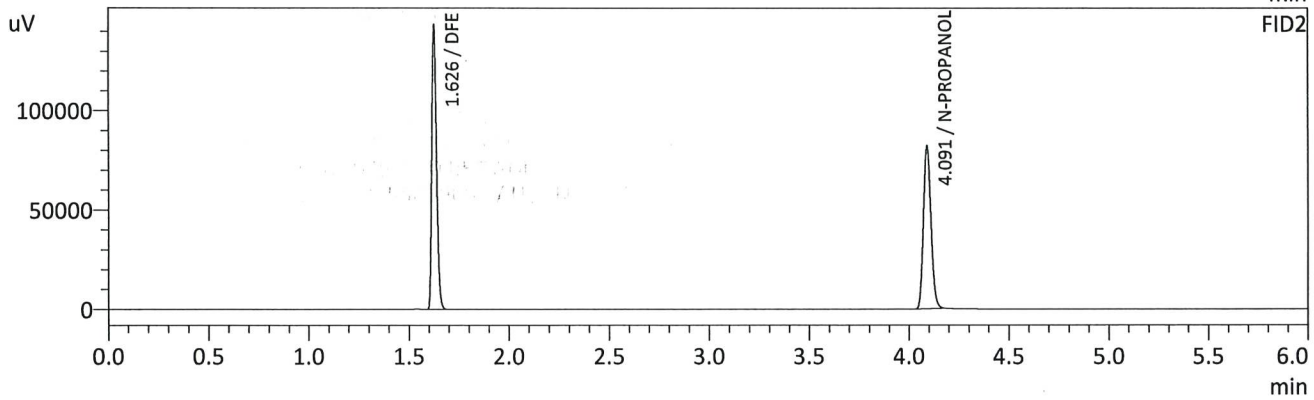
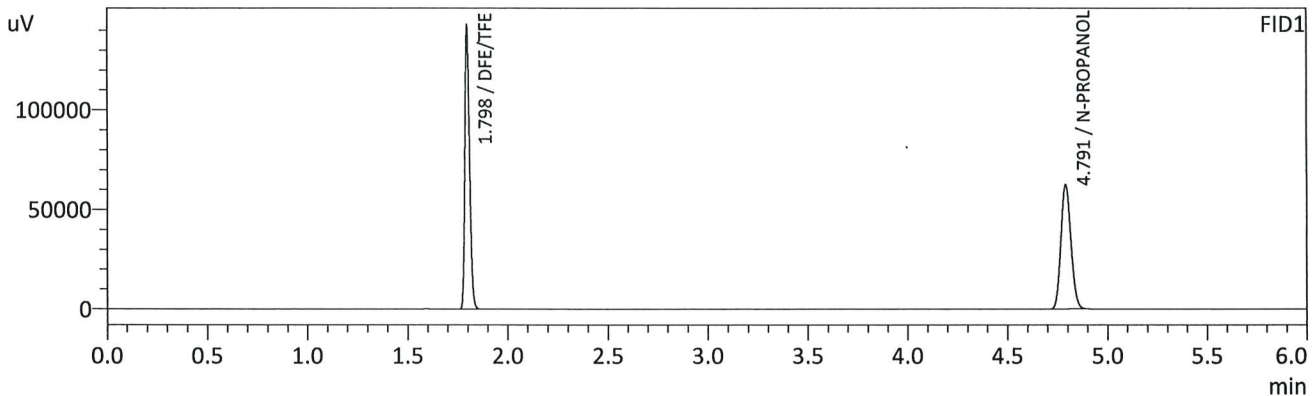
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	164136	46418
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

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	161955	60718
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : DFE #OMO4736
 Vial # : 56
 Data Filename : DFE #OMO4736_5232025_056.gcd
 Method Filename : ALCOHOL_052325_RC.gcm
 Batch Filename : BATCH_052325_RC.gcb
 Date Acquired : 5/23/2025 11:58:55 PM
 Date Processed : 5/24/2025 12:04:57 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	218771	62524
DFE/TFE	0.0000	g/100cc	236153	140911
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	216478	82211
DFE	0.0000	g/100cc	235692	142712
TFE	--	g/100cc	--	--

RC

Region 5 Pocatello Blood Alcohol Analysis Batch Table

Shimadzu Nexis GC-2030 Serial Number: C12255850662

Shimadzu HS-20 Serial Number: C12595700014

LabSolutions Version 6.117

Copyright (C) 2008-2022 Shimadzu Corporation. All rights reserved.

Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_052325_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_052325_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_052325_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_052325_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_052325_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_052325_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_052325_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_052325_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_052325_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_052325_RC.gcm		0
13	P2025-1280-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
14	P2025-1280-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
15	P2025-1294-2	0:Unknown	ALCOHOL_052325_RC.gcm		0
16	P2025-1294-2-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
17	P2025-1331-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
18	P2025-1331-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
19	P2025-1335-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
20	P2025-1335-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
21	P2025-1336-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
22	P2025-1336-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
23	P2025-1345-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
24	P2025-1345-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
25	P2025-1352-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
26	P2025-1352-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
27	P2025-1354-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
28	P2025-1354-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
29	P2025-1362-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
30	P2025-1362-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
33	P2025-1364-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
34	P2025-1364-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
35	P2025-1365-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
36	P2025-1365-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
37	P2025-1366-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
38	P2025-1366-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
39	P2025-1374-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
40	P2025-1374-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
41	P2025-1389-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
42	P2025-1389-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
43	P2025-1396-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
44	P2025-1396-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
45	P2025-1397-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
46	P2025-1397-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
47	P2025-1402-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
48	P2025-1402-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
49	P2025-1403-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
50	P2025-1403-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
51	P2025-1411-1	0:Unknown	ALCOHOL_052325_RC.gcm		0
52	P2025-1411-1-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
53	QC2-2	0:Unknown	ALCOHOL_052325_RC.gcm		0
54	QC2-2-B	0:Unknown	ALCOHOL_052325_RC.gcm		0
55	INT STD BLK 3	0:Unknown	ALCOHOL_052325_RC.gcm		0
56	DFE #OMO4736	0:Unknown	ALCOHOL_052325_RC.gcm		0