

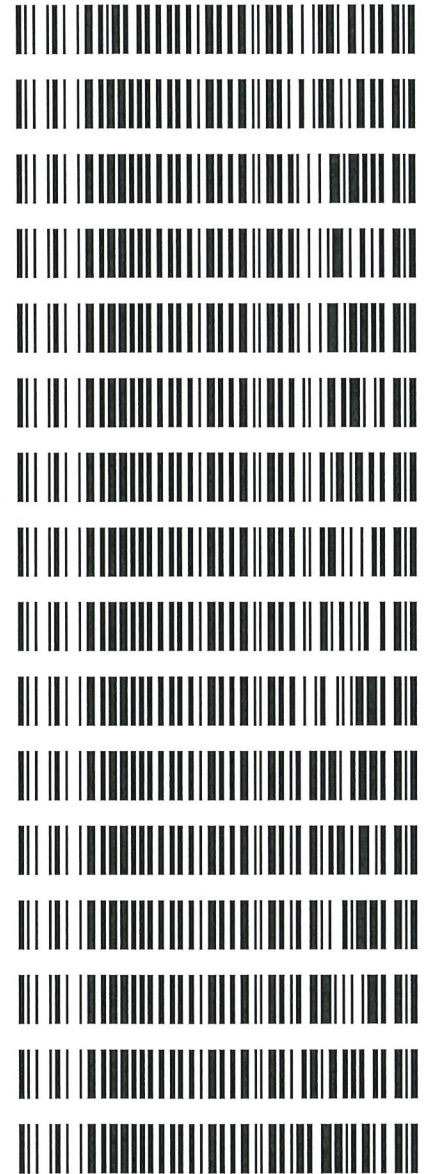
REVIEWED

By Tamara Salazar at 8:46 am, Jun 21, 2024

6/18/2024

Worklist: 6848

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2024-2376	2	BCK	Alcohol Analysis
P2024-1814	1	BCK	Alcohol Analysis
P2024-1827	1	BCK	Alcohol Analysis
P2024-1828	1	BCK	Alcohol Analysis
P2024-1830	1	BCK	Alcohol Analysis
P2024-1831	1	BLOOD	Alcohol Analysis
P2024-1832	1	BLOOD	Alcohol Analysis
P2024-1833	1	BLOOD	Alcohol Analysis
P2024-1834	1	BLOOD	Alcohol Analysis
P2024-1844	1	BCK	Alcohol Analysis
P2024-1847	1	BCK	Alcohol Analysis
P2024-1850	1	BCK	Alcohol Analysis
P2024-1851	1	BCK	Alcohol Analysis
* P2024-1858	1	BCK	Alcohol Analysis
P2024-1859	3	BCK	Alcohol Analysis
P2024-1878	1	BCK	Alcohol Analysis



* Reanalyzing with next batch. RC 6/20/24

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):

06/18/24

Calibration Date: (if different) :

Worklist #:

6848

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
					0.0882 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2054 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Exp:	2024 October	Lot #	FN06041902 OK
Curve Fit:			Column 1	0.99997	Column2 0.99990

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0509	0.0518	0.0009	0.0513
100	0.100	0.090 - 0.110	0.1001	0.1001	0	0.1001
200	0.200	0.180 - 0.220	0.1989	0.1981	0.0008	0.1985
300	0.300	0.270 - 0.330	0.2990	0.2983	0.0007	0.2986
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5015	0.0007	0.5011

Aqueous Controls

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



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6848	Run Date(s):	06/18/24
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Internal Standard Solution:	Prep Date: 5/30/2024	Exp Date: 11/30/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	182070	182126
0.080	181939	181912
QC1	183804	183953
QC1	183591	183607
QC1	189938	192941
QC1	190446	193392
QC1		
QC1		
QC2	181989	181189
QC2	184064	183541
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	184730.1	147784.1	221676.2
Column 2	185332.6	148266.1	222399.2

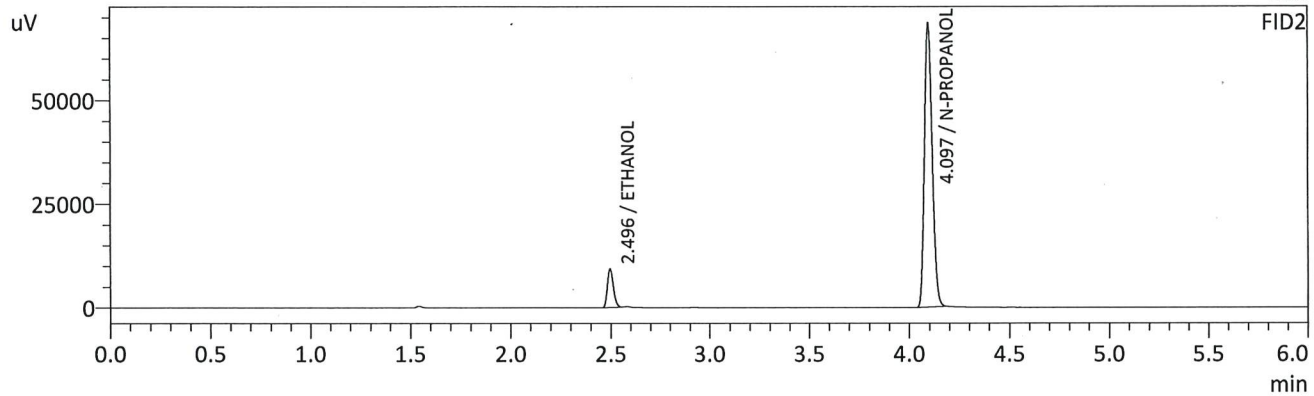
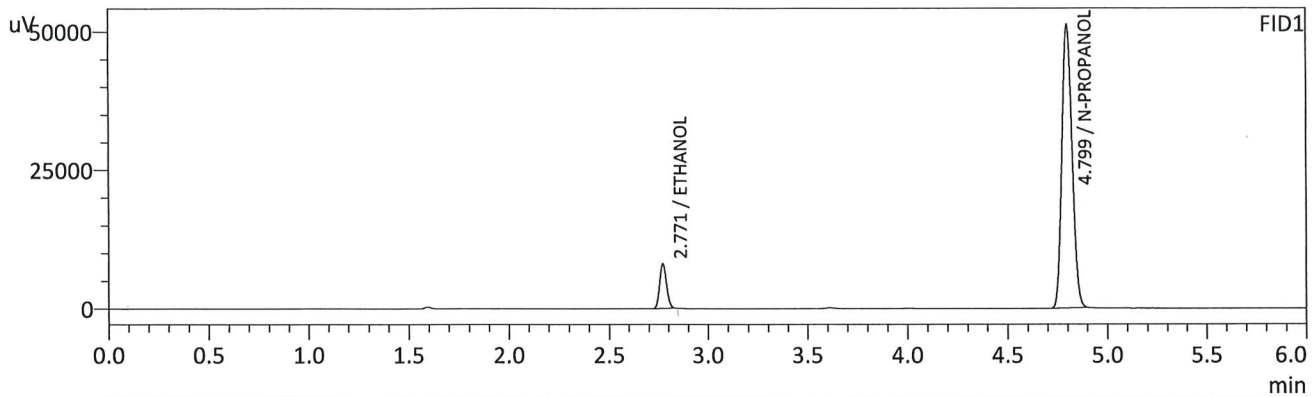


Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Sample Name : 0.050
 Vial # : 1
 Data Filename : 0.050_6182024_001.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 11:44:55 AM
 Date Processed : 6/20/2024 9:34:25 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

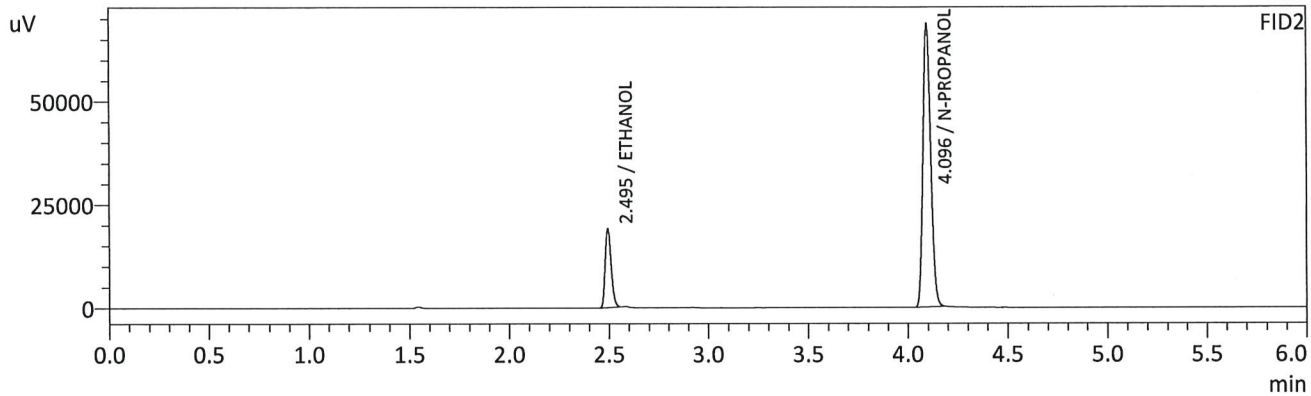
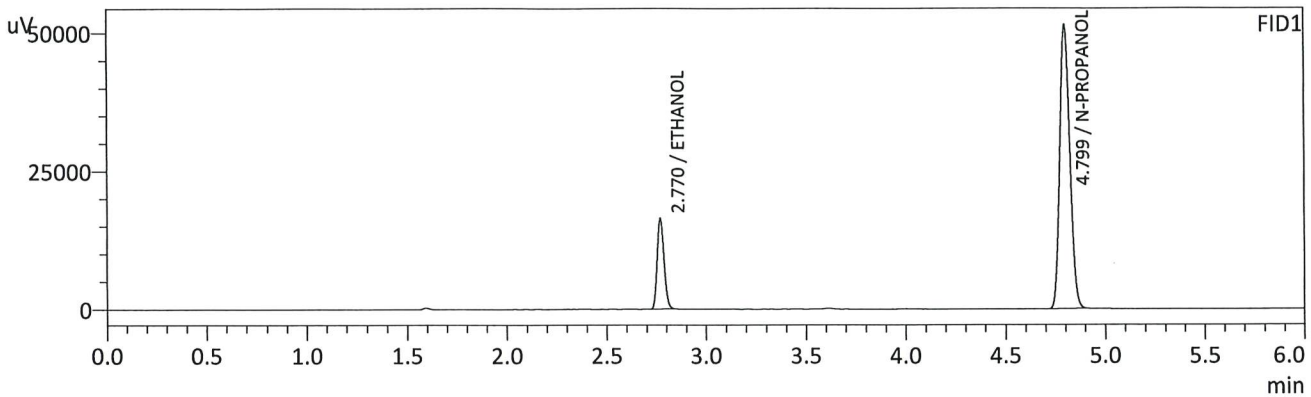
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0509	g/100cc	19483	8035
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181397	51116
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0518	g/100cc	19184	9208
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183336	68233
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

Sample Name : 0.100
 Vial # : 2
 Data Filename : 0.100_6182024_002.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 11:54:25 AM
 Date Processed : 6/20/2024 9:34:30 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

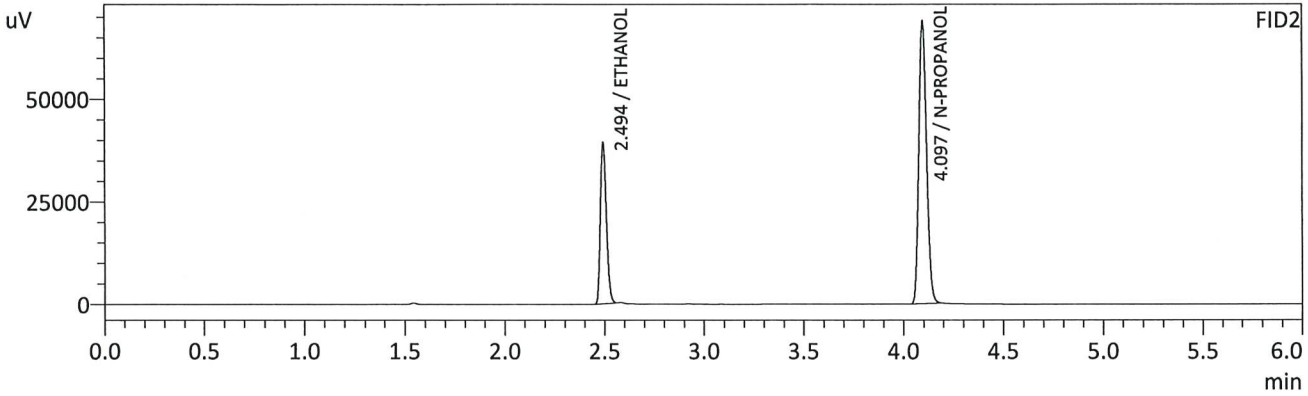
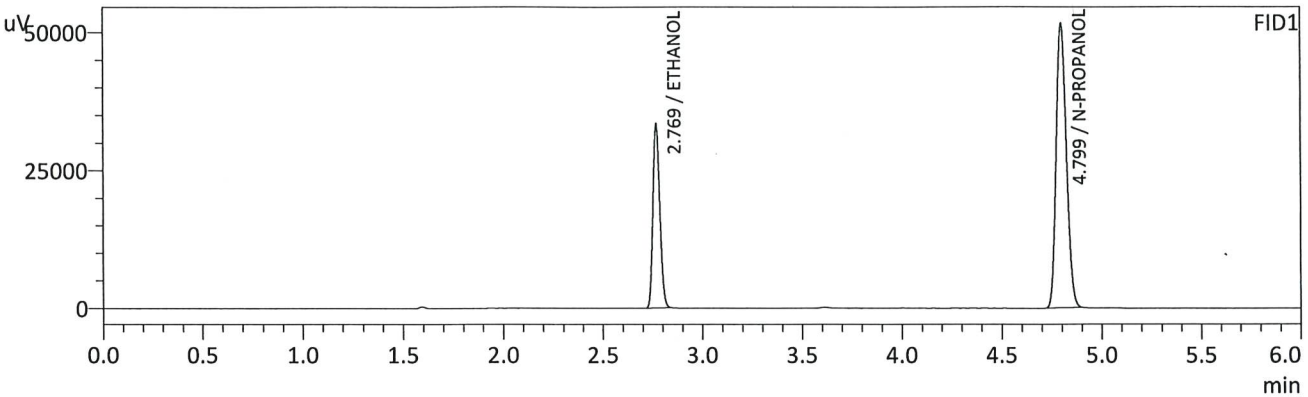
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	39444	16366
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181940	51252
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1001	g/100cc	39150	19054
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183241	68603
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.200
 Vial # : 3
 Data Filename : 0.200_6182024_003.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:03:46 PM
 Date Processed : 6/20/2024 9:34:34 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

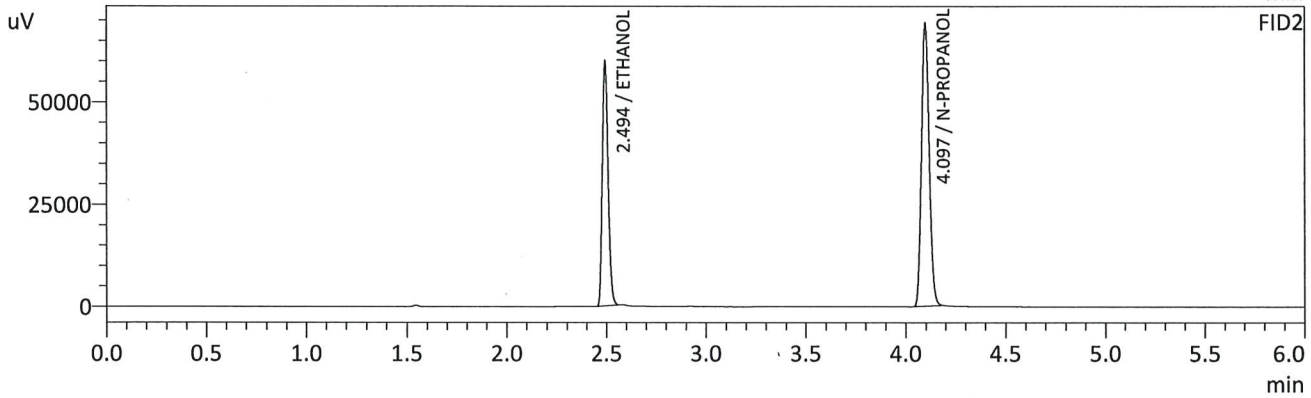
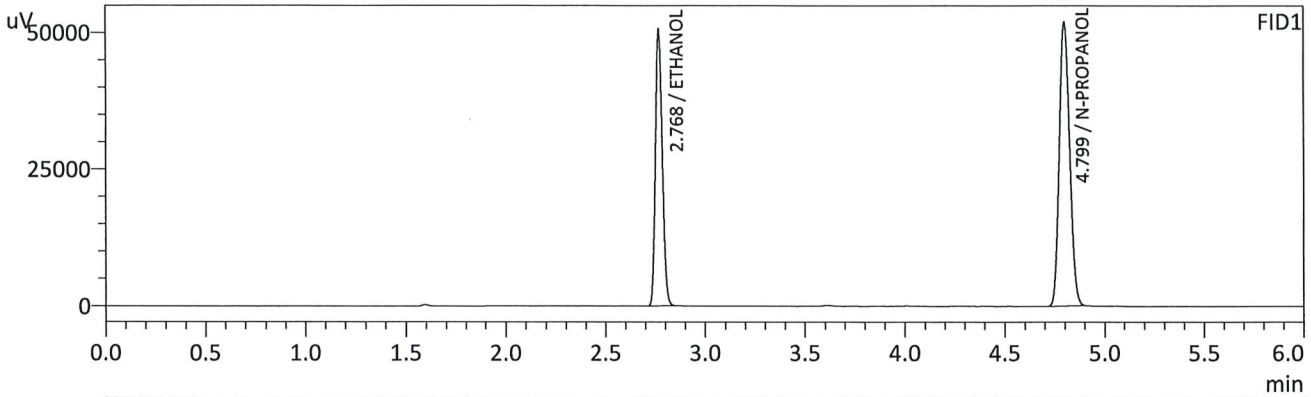
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1989	g/100cc	80172	33214
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183626	51515
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.1981	g/100cc	80277	39211
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184809	68733
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.300
 Vial # : 4
 Data Filename : 0.300_6182024_004.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:13:29 PM
 Date Processed : 6/20/2024 9:34:37 AM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

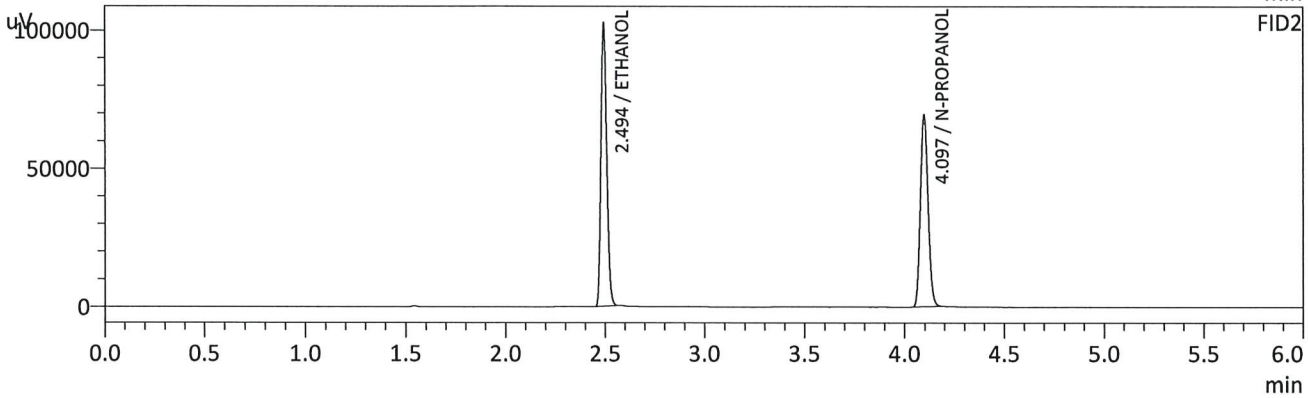
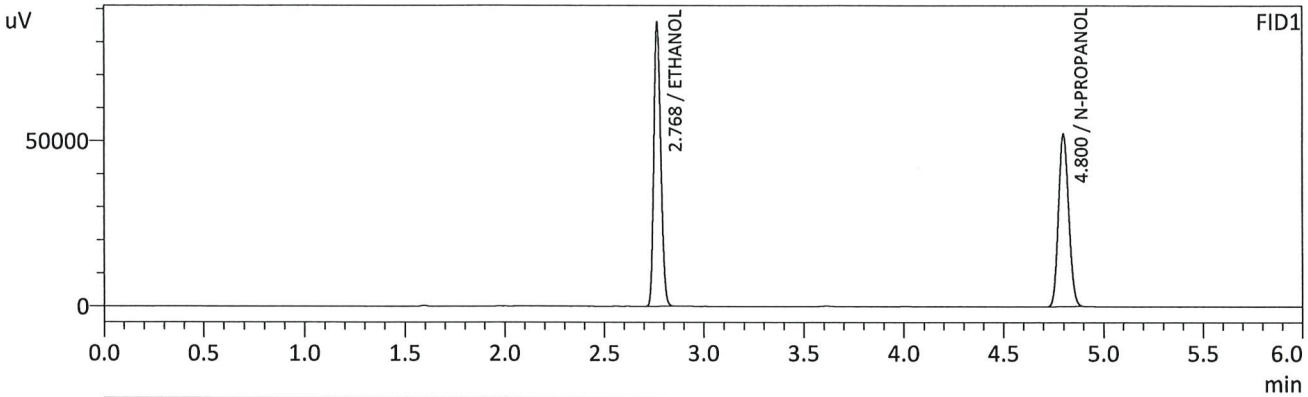
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2990	g/100cc	121217	50174
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183860	51823
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2983	g/100cc	121902	59618
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184713	68929
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.500
 Vial # : 5
 Data Filename : 0.500_6182024_005.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:23:01 PM
 Date Processed : 6/18/2024 12:29:03 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.5008	g/100cc	205094	84976
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185087	52115
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.5015	g/100cc	207626	101791
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	185751	69076
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

Handwritten signature/initials

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Calibration Table

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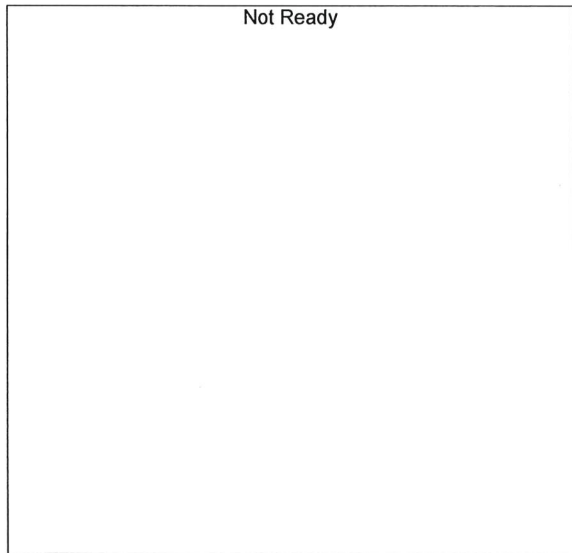
Laboratory: Pocatello
 Instrument Name : GC SN- C12255850662 / HS SN- C12595700014

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 Batch File :Default Project - BATCH_061824_RC.gcb
 Date Acquired :6/18/2024 12:23:01 PM
 Date Created :6/18/2024 12:19:32 PM
 Date Modified :6/18/2024 12:29:03 PM



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

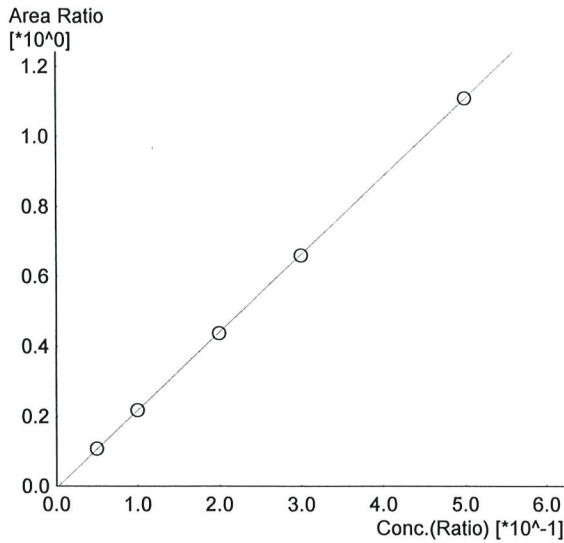
#	Conc.	Area	Std. Conc.	Data File Name
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Name : ACETALDEHYDE
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : ETHANOL
 Detector Name: FID1
 Function : $f(x)=2.22440*x-0.00597282$
 R² value= 0.9999719
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19483	0.0509	0.050_6182024_001.gcd
2	0.100	39444	0.1001	0.100_6182024_002.gcd
3	0.200	80172	0.1989	0.200_6182024_003.gcd
4	0.300	121217	0.2990	0.300_6182024_004.gcd
5	0.500	205094	0.5008	0.500_6182024_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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RC

Not Ready

Name : DFE/TFE
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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Not Ready

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

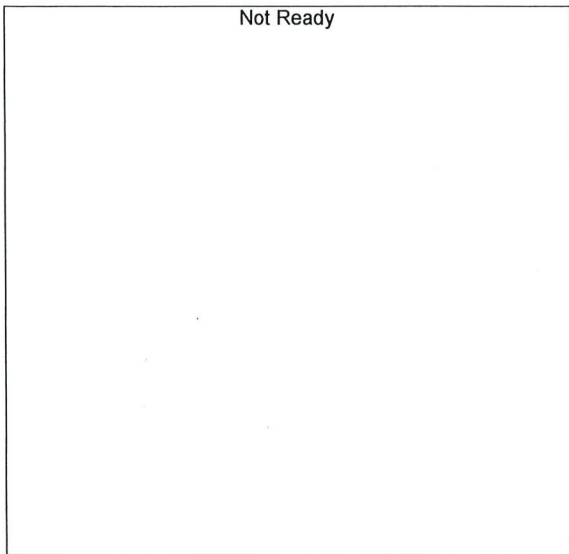
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

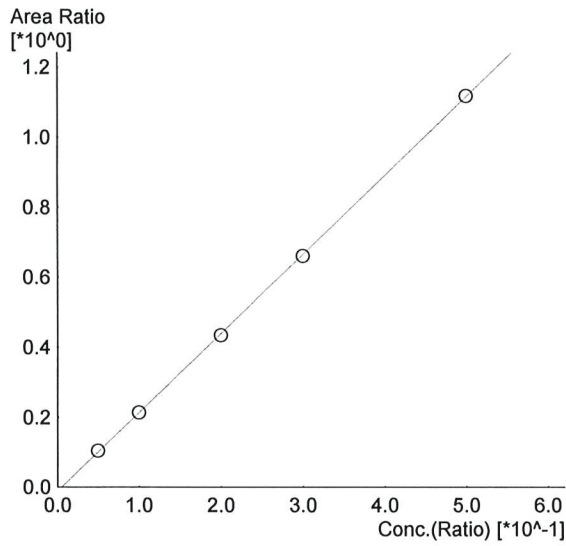
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RC



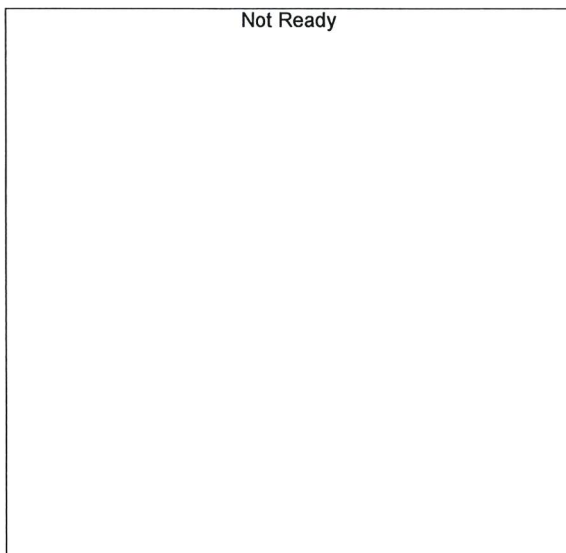
Name : METHANOL
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
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Name : ETHANOL
 Detector Name: FID2
 Function : $f(x)=2.25275*x-0.0120538$
 R² value= 0.9999076 ✓
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.	Data File Name
1	0.050	19184	0.0518	0.050_6182024_001.gcd
2	0.100	39150	0.1001	0.100_6182024_002.gcd
3	0.200	80277	0.1981	0.200_6182024_003.gcd
4	0.300	121902	0.2983	0.300_6182024_004.gcd
5	0.500	207626	0.5015	0.500_6182024_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

Not Ready

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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Not Ready

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

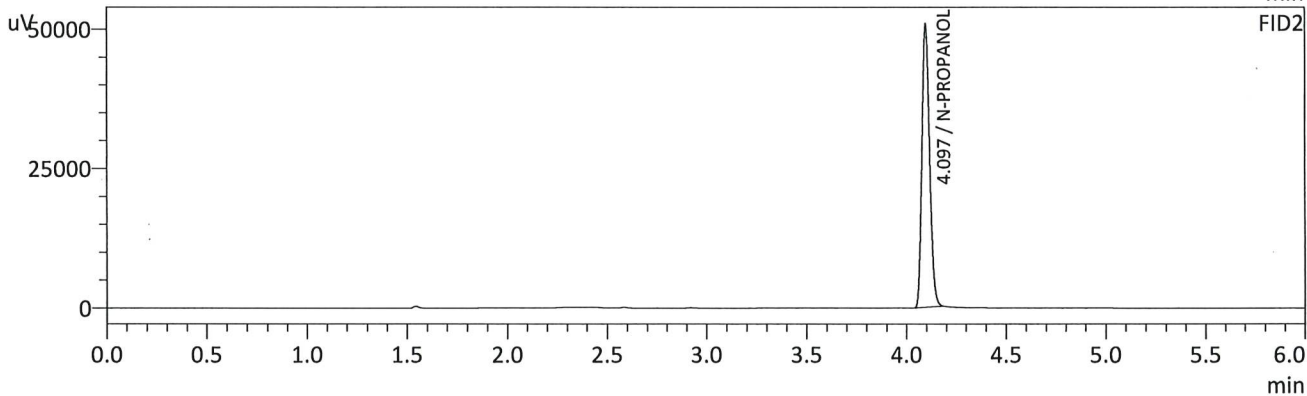
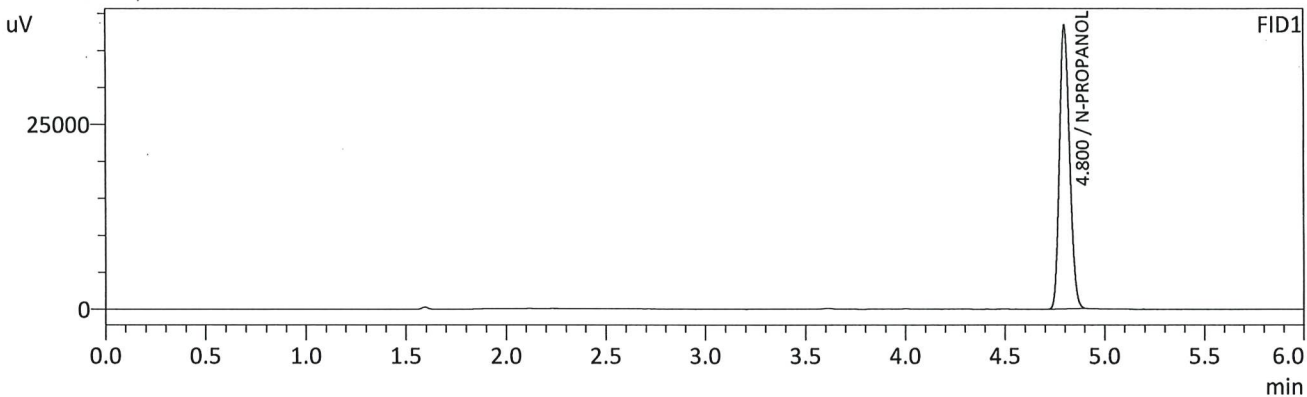
#	Conc.	Area	Std. Conc.	Data File Name
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Not Ready

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

Sample Name : INT STD BLK 1
 Vial # : 6
 Data Filename : INT STD BLK 1_6182024_006.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:32:20 PM
 Date Processed : 6/18/2024 12:38:21 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	136339	38359
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

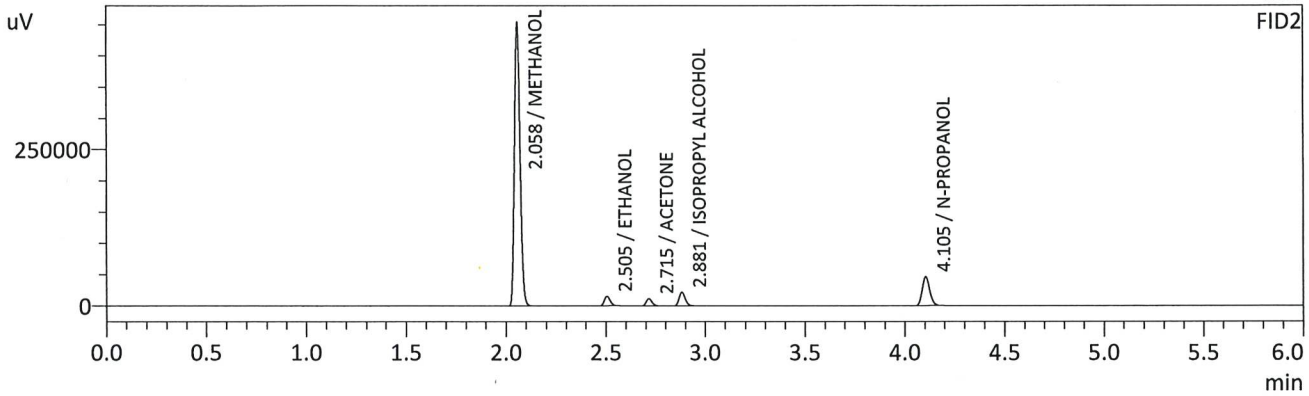
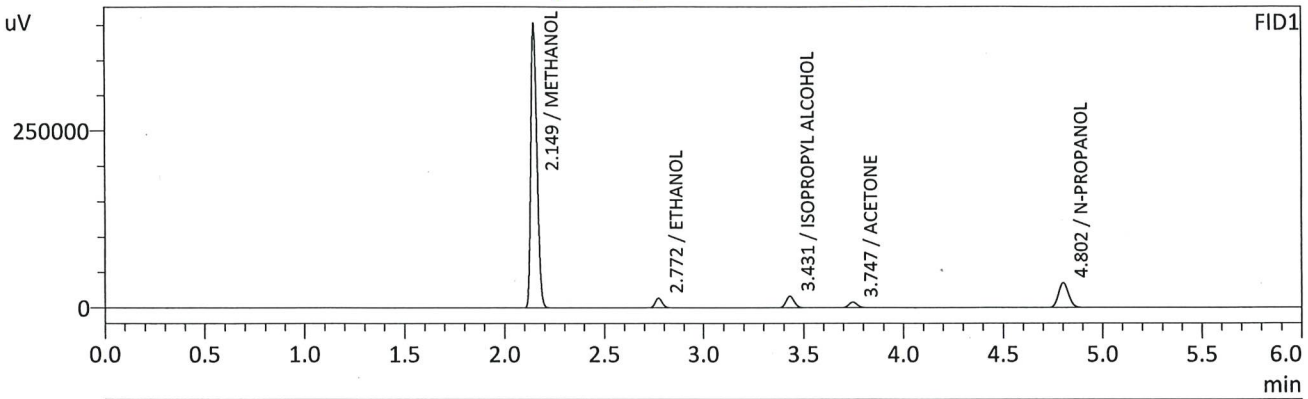
FID2

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	136014	50407
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : MULTI-COMP MIX
 Vial # : 7
 Data Filename : MULTI-COMP MIX_6182024_007.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:42:05 PM
 Date Processed : 6/18/2024 12:48:06 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014

I added extra (too much) RC 6/20/24



FID1

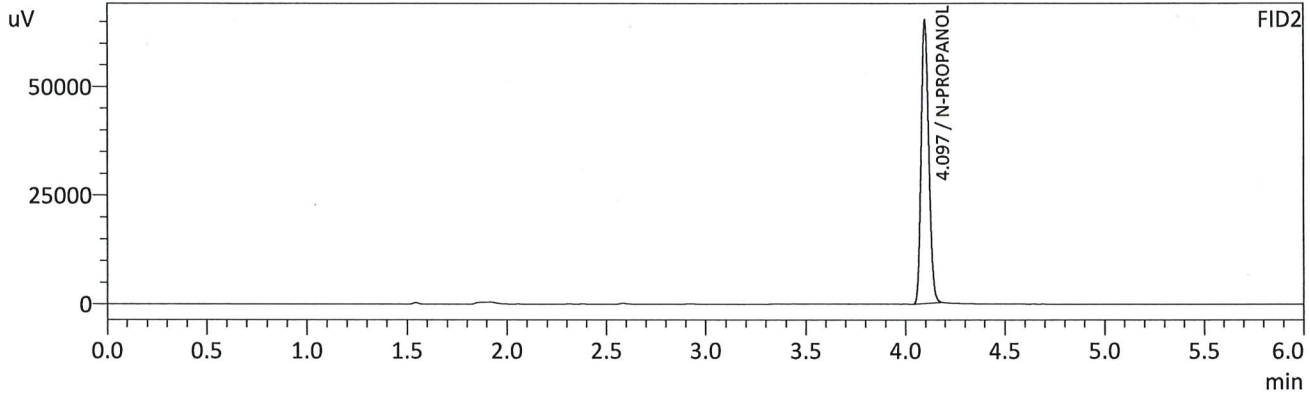
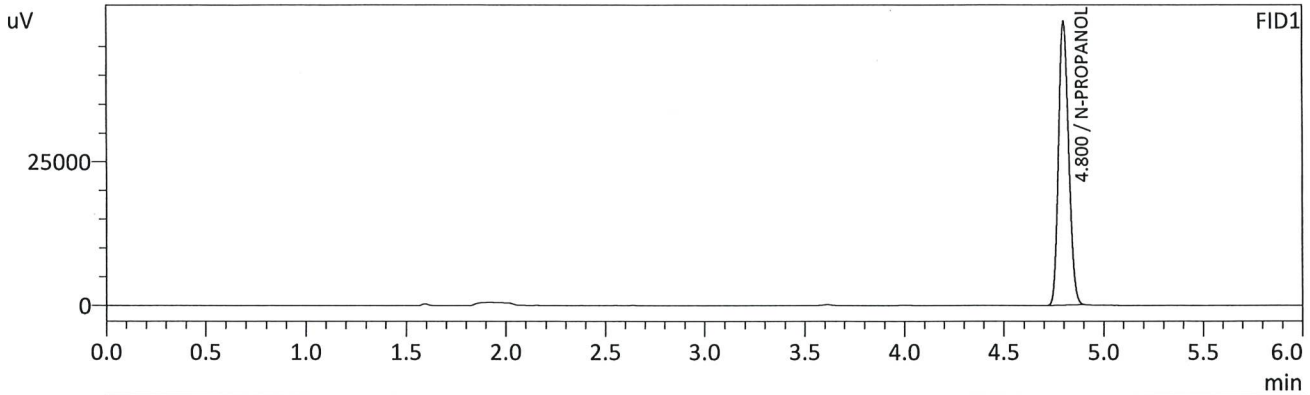
Name	Conc.	Unit	Area	Height
METHANOL	0.0000	g/100cc	852024	401434
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.1206	g/100cc	32281	13482
ISOPROPYL ALCOHOL	0.0000	g/100cc	46245	16297
ACETONE	0.0000	g/100cc	22279	7660
N-PROPANOL	0.0000	g/100cc	123041	34888
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	0.0000	g/100cc	874204	446375
ETHANOL	0.1171	g/100cc	30392	14882
ACETONE	0.0000	g/100cc	22949	11203
ISOPROPYL ALCOHOL	0.0000	g/100cc	45842	21436
N-PROPANOL	0.0000	g/100cc	120627	45793
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 2
 Vial # : 8
 Data Filename : INT STD BLK 2_6182024_008.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 12:51:36 PM
 Date Processed : 6/18/2024 12:57:38 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	174079	49243
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	173994	64697
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-1		Analysis Date(s): 6/18/2024 1:00:54 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)	0.0820	0.0817	0.0003	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_061824_RC.gcm

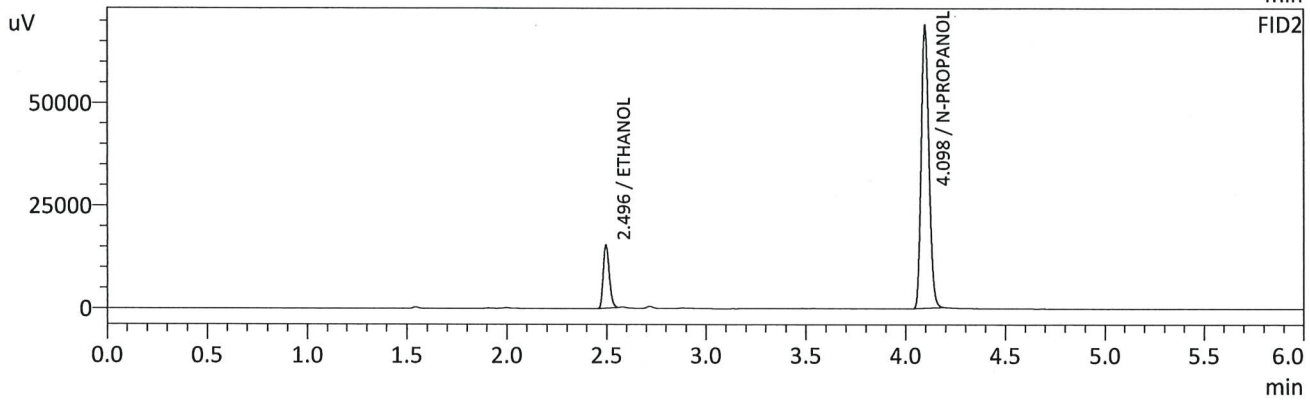
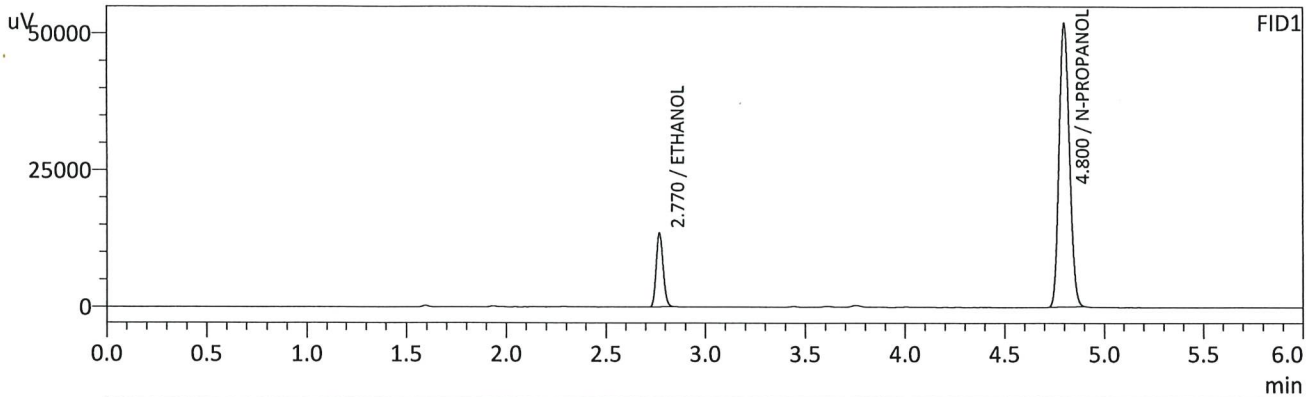
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

RC

Sample Name : QC1-1
 Vial # : 9
 Data Filename : QC1-1_6182024_009.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 1:00:54 PM
 Date Processed : 6/18/2024 1:06:54 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

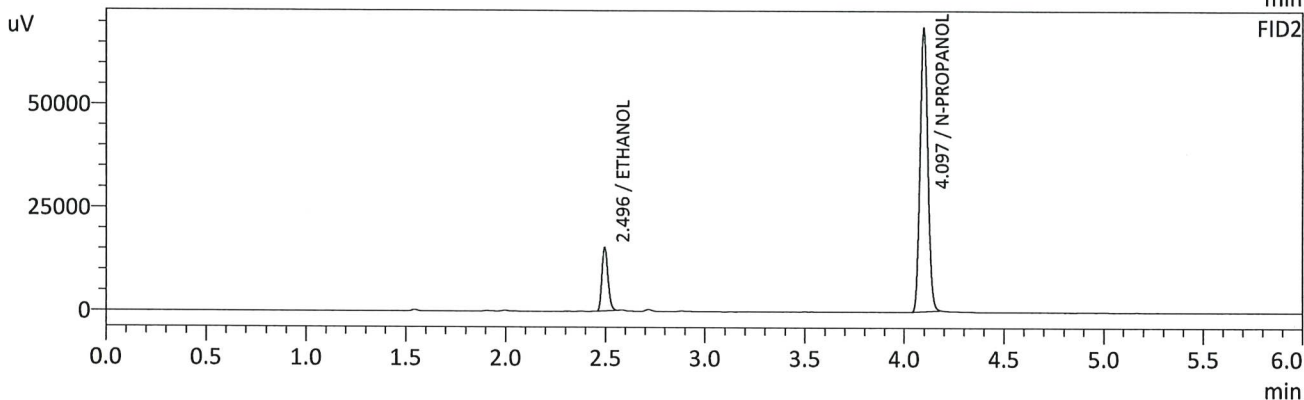
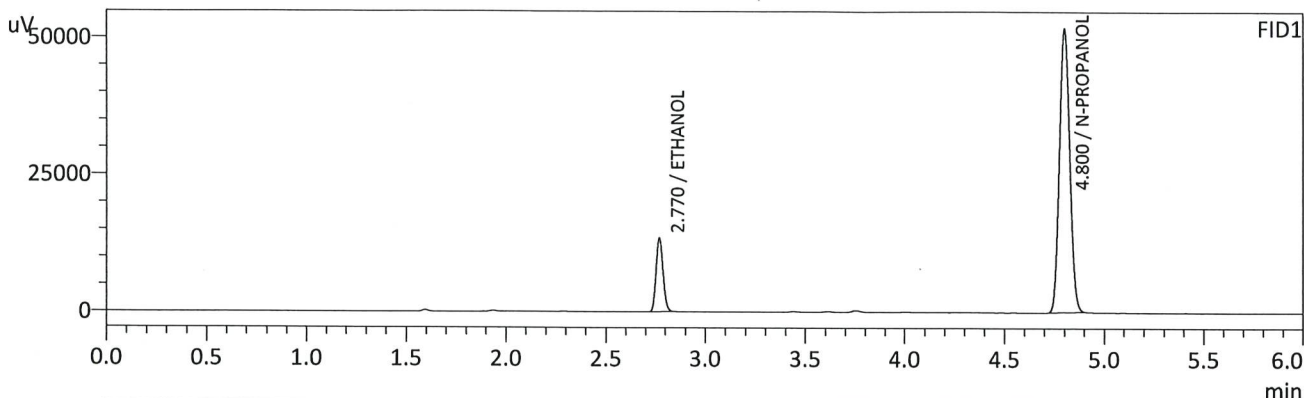
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0822	g/100cc	32522	13466
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183804	51835
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	31642	15234
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183953	68206
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

Sample Name : QC1-1-B
 Vial # : 10
 Data Filename : QC1-1-B_6182024_010.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 1:10:37 PM
 Date Processed : 6/18/2024 1:16:39 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0820	g/100cc	32404	13416
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183591	51675
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0817	g/100cc	31585	15299
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183607	68432
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

rc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 6/18/2024 1:20:09 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0805	0.0005	0.0807	0.0002	0.0806
(g/100cc)	0.0807	0.0803	0.0004	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_061824_RC.gcm

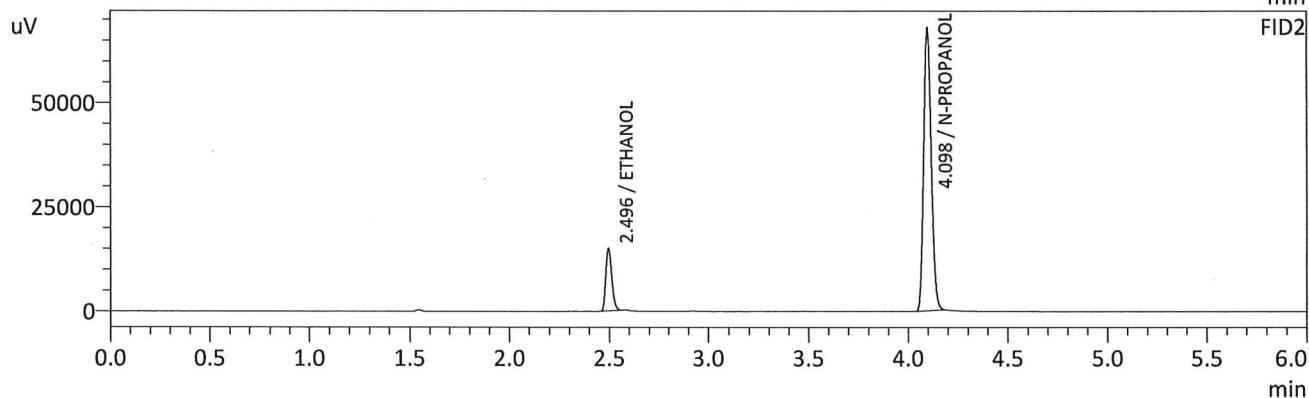
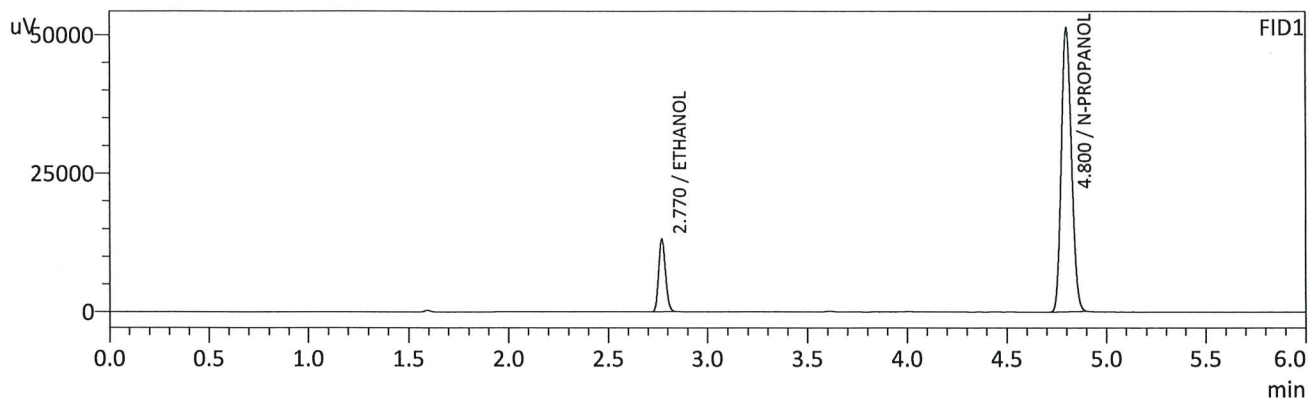
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

RC

Sample Name : 0.08 QA
 Vial # : 11
 Data Filename : 0.08 QA_6182024_011.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 1:20:09 PM
 Date Processed : 6/18/2024 1:26:11 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

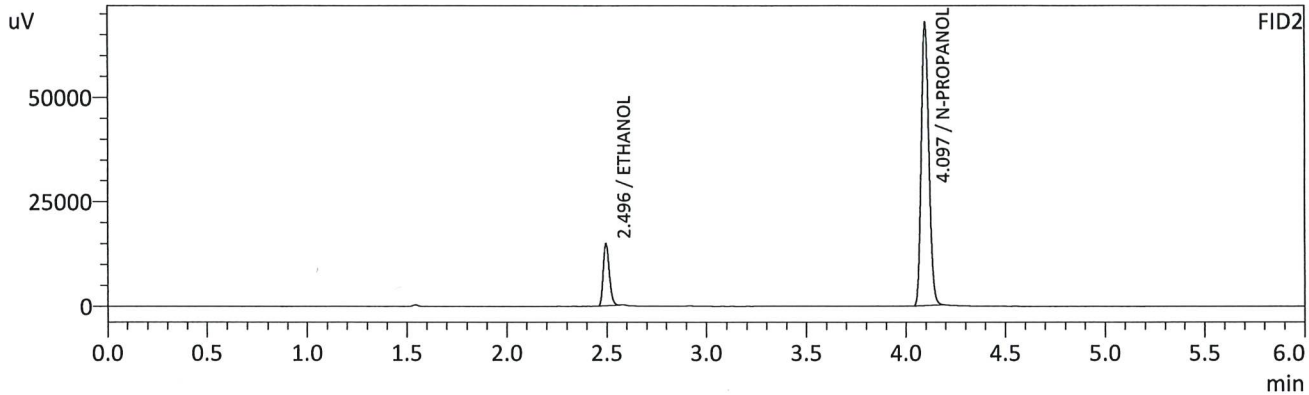
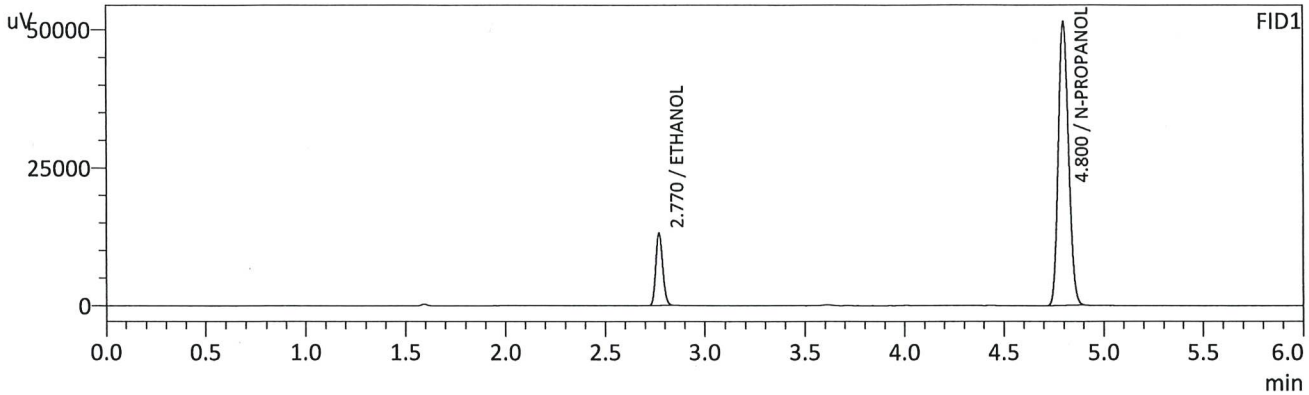
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0810	g/100cc	31722	13117
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182070	51245
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0805	g/100cc	30858	14840
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	182126	67308
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : 0.08 QA - B
 Vial # : 12
 Data Filename : 0.08 QA - B_6182024_012.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 1:29:29 PM
 Date Processed : 6/18/2024 1:35:31 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0807	g/100cc	31602	13094
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181939	51390
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0803	g/100cc	30730	14831
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181912	67456
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-1		Analysis Date(s): 6/18/2024 4:30:36 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2059	0.2033	0.0026	0.2046	0.0017	0.2054
(g/100cc)	0.2078	0.2048	0.0030	0.2063		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

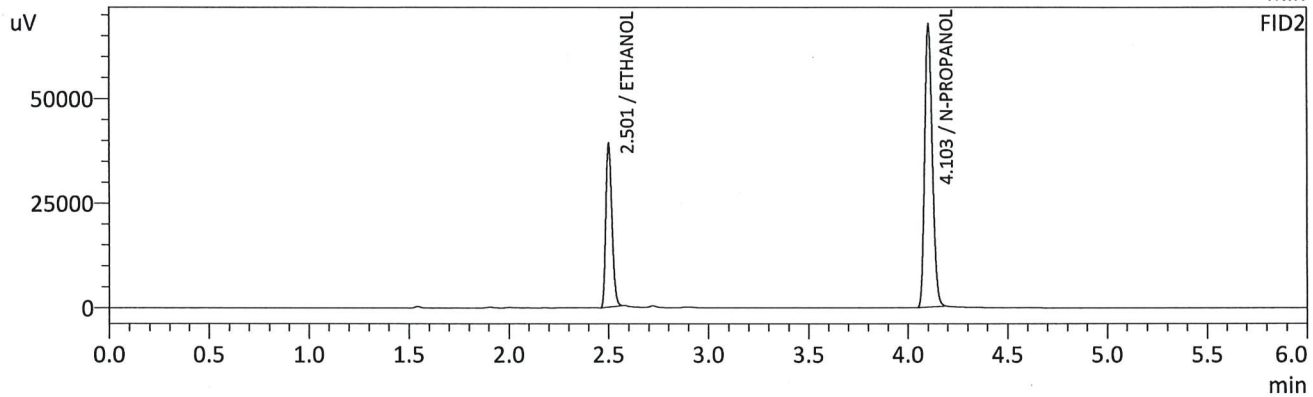
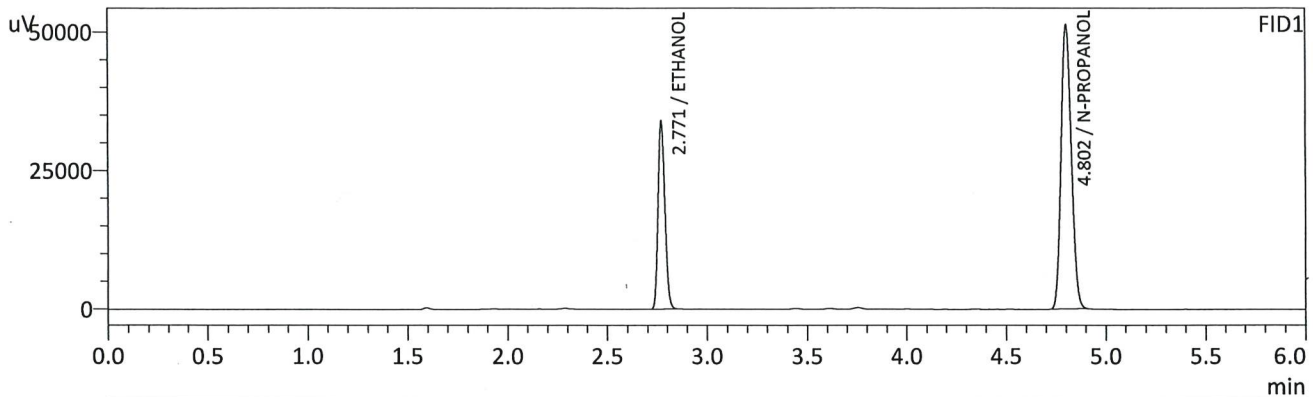
Refer To Instrument Method: ALCOHOL_061824_RC.gcm

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

Calibration and control data are stored centrally.

RC

Sample Name : QC2-1
 Vial # : 31
 Data Filename : QC2-1_6182024_031.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 4:30:36 PM
 Date Processed : 6/18/2024 4:36:37 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

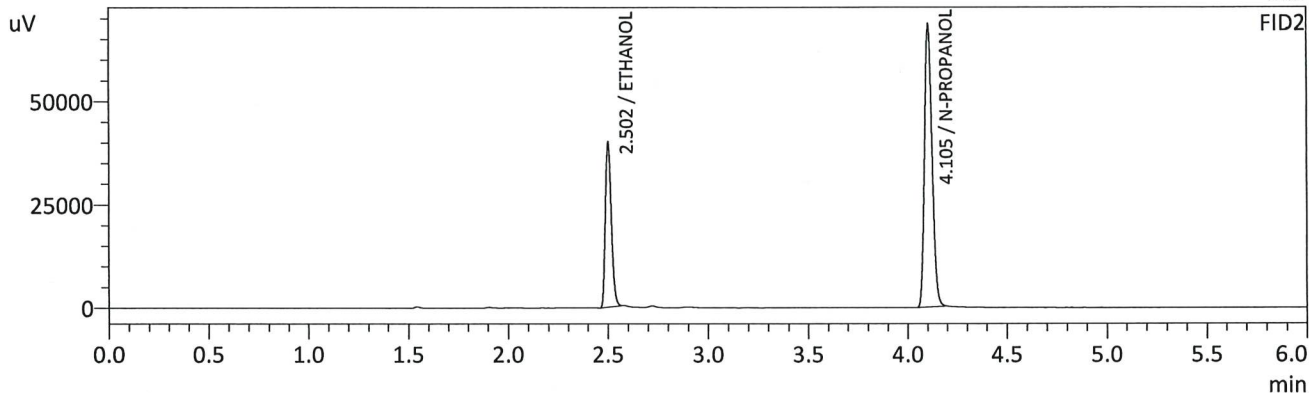
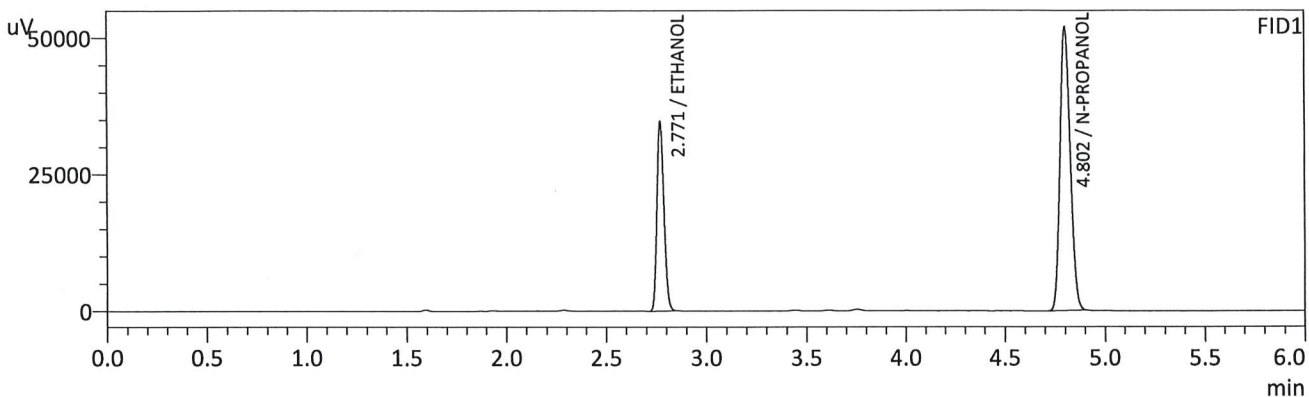
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2059	g/100cc	82265	33850
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181989	51147
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2033	g/100cc	80825	38644
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	181189	67462
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC2-1-B
 Vial # : 32
 Data Filename : QC2-1-B_6182024_032.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 4:40:09 PM
 Date Processed : 6/18/2024 4:46:09 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.2078	g/100cc	83981	34551
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	184064	51641
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.2048	g/100cc	82496	39421
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	183541	68404
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2		Analysis Date(s): 6/18/2024 7:02:58 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0880	0.0883	0.0003	0.0881	0.0002	0.0882
(g/100cc)	0.0882	0.0884	0.0002	0.0883		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_061824_RC.gcm

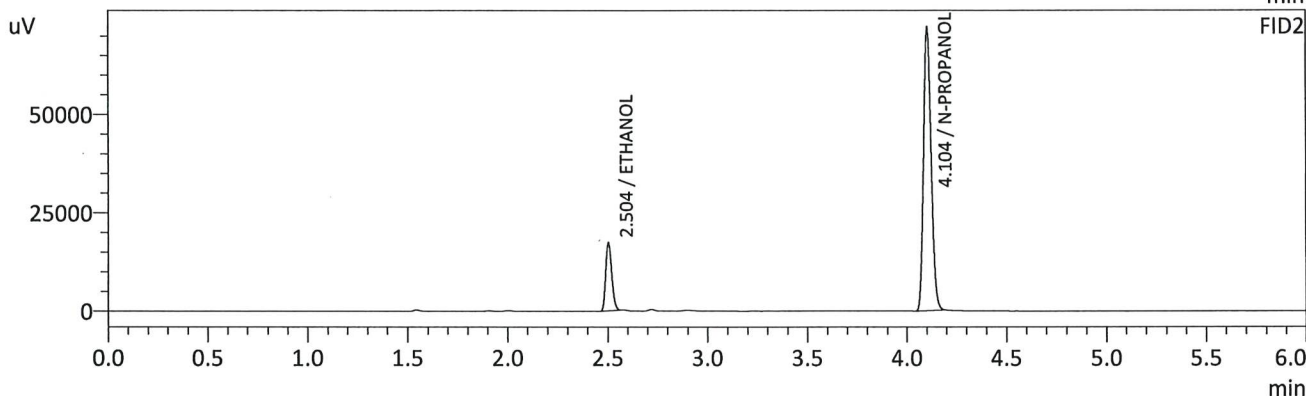
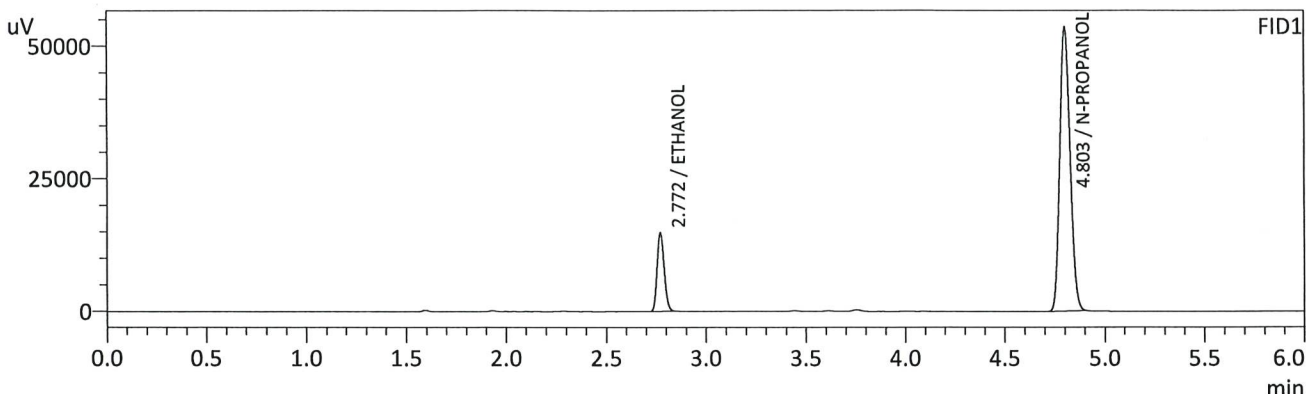
Reporting of Results	Uncertainty of Measurements (UM%):		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.088	0.083	0.093	0.005

Reported Results	
0.088	

Calibration and control data are stored centrally.

RC

Sample Name : QC1-2
 Vial # : 47
 Data Filename : QC1-2_6182024_047.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 7:02:58 PM
 Date Processed : 6/18/2024 7:09:00 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

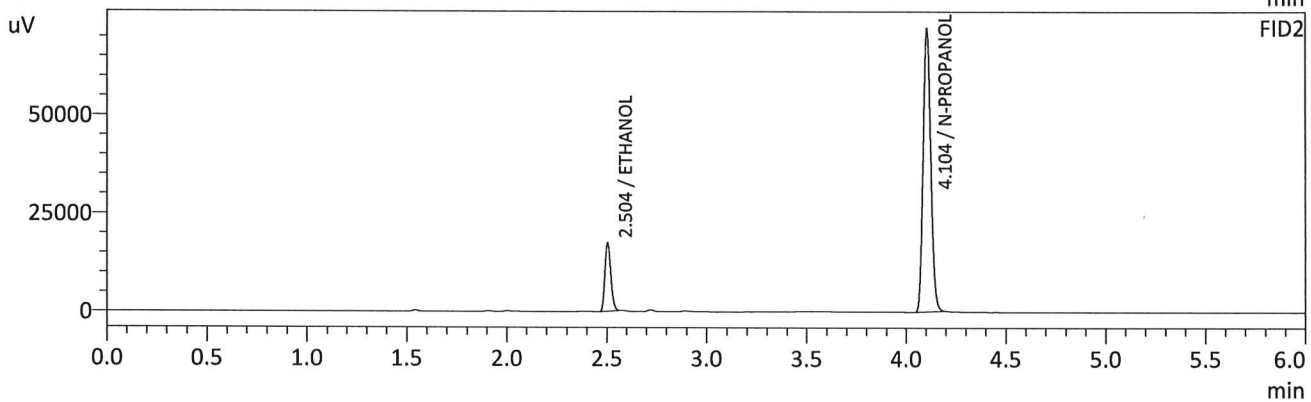
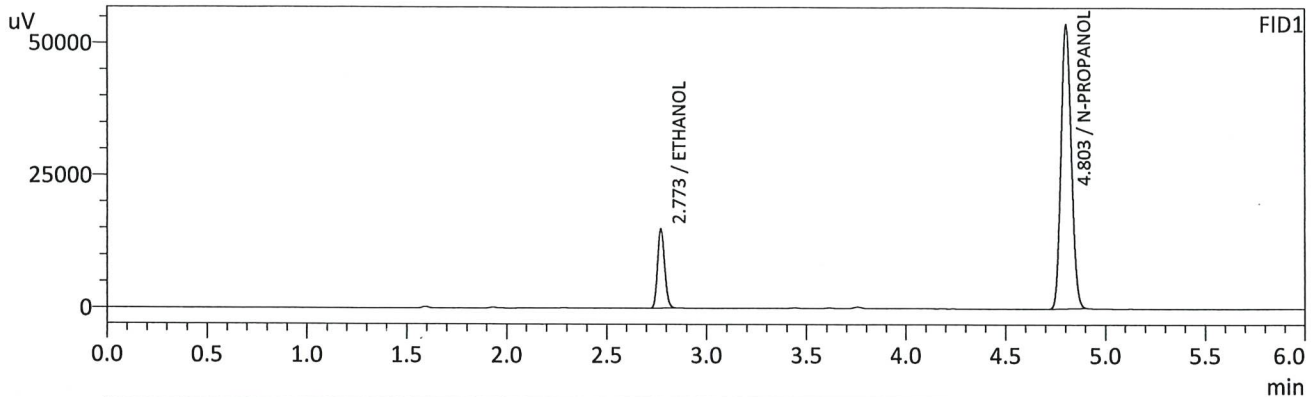
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0880	g/100cc	36060	14644
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	189938	53345
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0883	g/100cc	36059	17290
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	192941	72057
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : QC1-2-B
 Vial # : 48
 Data Filename : QC1-2-B_6182024_048.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 7:12:14 PM
 Date Processed : 6/18/2024 7:18:17 PM
 Instrument : GC SN- C12255850662 / HS SN- C12595700014



FID1

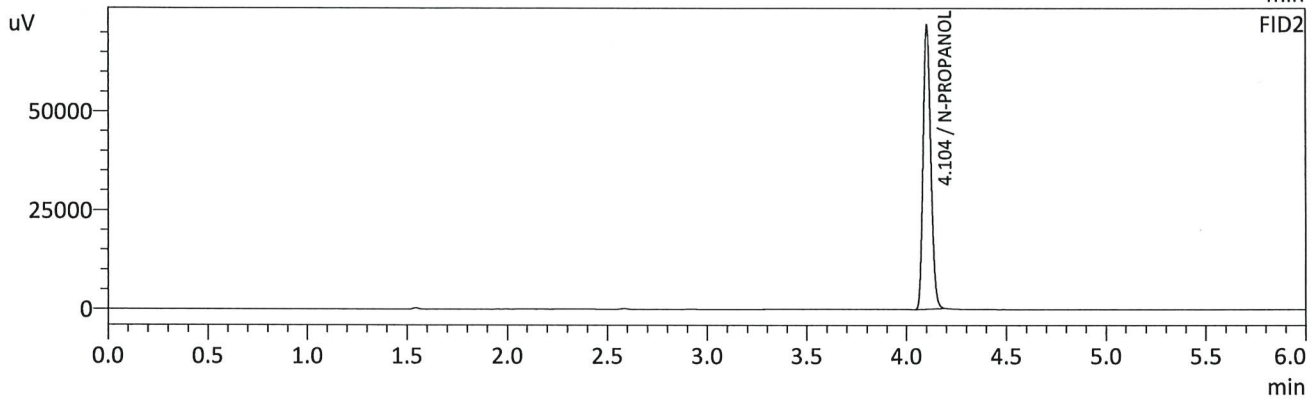
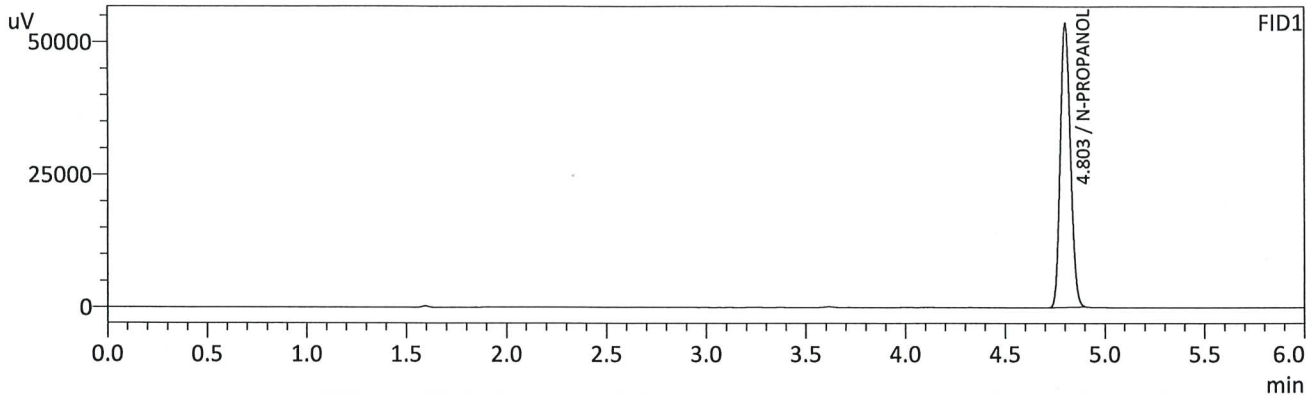
Name	Conc.	Unit	Area	Height
METHANOL	--	g/100cc	--	--
ACETALDEHYDE	--	g/100cc	--	--
ETHANOL	0.0882	g/100cc	36253	14758
ISOPROPYL ALCOHOL	--	g/100cc	--	--
ACETONE	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	190446	53445
DFE/TFE	--	g/100cc	--	--
DME	--	g/100cc	--	--

FID2

Name	Conc.	Unit	Area	Height
ACETALDEHYDE	--	g/100cc	--	--
METHANOL	--	g/100cc	--	--
ETHANOL	0.0884	g/100cc	36211	17361
ACETONE	--	g/100cc	--	--
ISOPROPYL ALCOHOL	--	g/100cc	--	--
N-PROPANOL	0.0000	g/100cc	193392	72019
DFE	--	g/100cc	--	--
TFE	--	g/100cc	--	--

RC

Sample Name : INT STD BLK 3
 Vial # : 49
 Data Filename : INT STD BLK 3_6182024_049.gcd
 Method Filename : ALCOHOL_061824_RC.gcm
 Batch Filename : BATCH_061824_RC.gcb
 Date Acquired : 6/18/2024 7:22:05 PM
 Date Processed : 6/18/2024 7:28:07 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	189850	53338
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	192575	71792
DFE	--	g/100cc	--	--
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

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Vial#	Sample Name	Sample Type	Method File	Data File	Level#
1	0.050	1:Standard:(R)	ALCOHOL_061824_RC.gcm		1
2	0.100	1:Standard:(R)	ALCOHOL_061824_RC.gcm		2
3	0.200	1:Standard:(R)	ALCOHOL_061824_RC.gcm		3
4	0.300	1:Standard:(R)	ALCOHOL_061824_RC.gcm		4
5	0.500	1:Standard:(R)	ALCOHOL_061824_RC.gcm		5
6	INT STD BLK 1	0:Unknown	ALCOHOL_061824_RC.gcm		0
7	MULTI-COMP MIX	0:Unknown	ALCOHOL_061824_RC.gcm		1
8	INT STD BLK 2	0:Unknown	ALCOHOL_061824_RC.gcm		0
9	QC1-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
10	QC1-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
11	0.08 QA	0:Unknown	ALCOHOL_061824_RC.gcm		0
12	0.08 QA - B	0:Unknown	ALCOHOL_061824_RC.gcm		0
13	M2024-2376-2	0:Unknown	ALCOHOL_061824_RC.gcm		0
14	M2024-2376-2-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
15	P2024-1814-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
16	P2024-1814-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
17	P2024-1827-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
18	P2024-1827-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
19	P2024-1828-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
20	P2024-1828-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
21	P2024-1830-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
22	P2024-1830-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
23	P2024-1831-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
24	P2024-1831-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
25	P2024-1832-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
26	P2024-1832-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
27	P2024-1833-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
28	P2024-1833-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
29	P2024-1834-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
30	P2024-1834-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
31	QC2-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
32	QC2-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
33	P2024-1844-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
34	P2024-1844-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
35	P2024-1847-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
36	P2024-1847-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
37	P2024-1850-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
38	P2024-1850-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
39	P2024-1851-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
40	P2024-1851-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
41	P2024-1858-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
42	P2024-1858-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
43	P2024-1859-3	0:Unknown	ALCOHOL_061824_RC.gcm		0
44	P2024-1859-3-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
45	P2024-1878-1	0:Unknown	ALCOHOL_061824_RC.gcm		0
46	P2024-1878-1-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
47	QC1-2	0:Unknown	ALCOHOL_061824_RC.gcm		0
48	QC1-2-B	0:Unknown	ALCOHOL_061824_RC.gcm		0
49	INT STD BLK 3	0:Unknown	ALCOHOL_061824_RC.gcm		0

* Re-analyzing with next batch RC 6/20/24

RC