

**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378*

**Volatiles Quality Assurance Controls**

**Run Date(s): 7/26/21**

calibration 7/19/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0760 g/100cc
					0.0788 g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2049 g/100cc
					g/100cc
Multi-Component mixture:		Lot #	FN07101701	acceptable	
Curve Fit:		Column 1	0.99981	Column 2	0.99982

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0529	0.0530	0.0001	0.0529
100	0.100	0.090 - 0.110	0.0998	0.0995	0.0003	0.0996
200	0.200	0.180 - 0.220	0.1973	0.1972	0.0001	0.1972
300	0.300	0.270 - 0.330	0.2977	0.2983	0.0006	0.2980
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5021	0.5019	0.0002	0.5020

Aqueous Controls					
Control level	Target Value	Acceptable Range	Overall Results		
80	0.080	0.076 - 0.084	0.083	g/100cc	

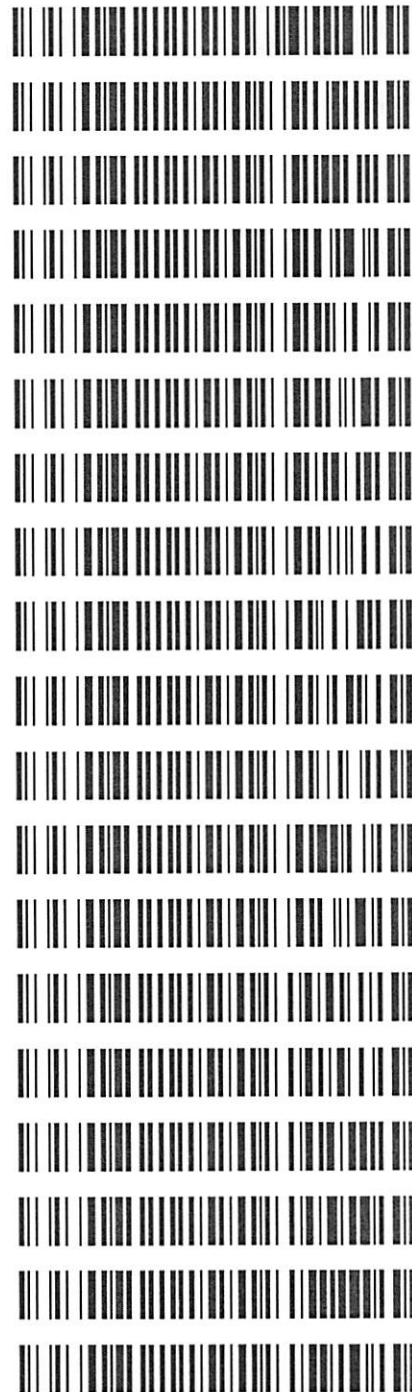
*NB*

**REVIEWED**

*By Galina Giso at 7:30 am, Jul 28, 2021*

Worklist: 5127

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2021-3133	1	BCK	Alcohol Analysis
M2021-3211	1	BCK	Alcohol Analysis
M2021-3212	1	BCK	Alcohol Analysis
M2021-3213	1	BCK	Alcohol Analysis
M2021-3214	1	BCK	Alcohol Analysis
M2021-3215	1	BCK	Alcohol Analysis
M2021-3216	1	BCK	Alcohol Analysis
M2021-3226	1	BCK	Alcohol Analysis
M2021-3227	1	BCK	Alcohol Analysis
M2021-3228	1	BCK	Alcohol Analysis
M2021-3229	1	BCK	Alcohol Analysis
M2021-3235	1	BCK	Alcohol Analysis
M2021-3236	1	BCK	Alcohol Analysis
M2021-3244	1	BCK	Alcohol Analysis
M2021-3245	1	BCK	Alcohol Analysis
M2021-3246	1	BCK	Alcohol Analysis
M2021-3247	1	BCK	Alcohol Analysis
M2021-3254	1	BCK	Alcohol Analysis
M2021-3255	1	BCK	Alcohol Analysis

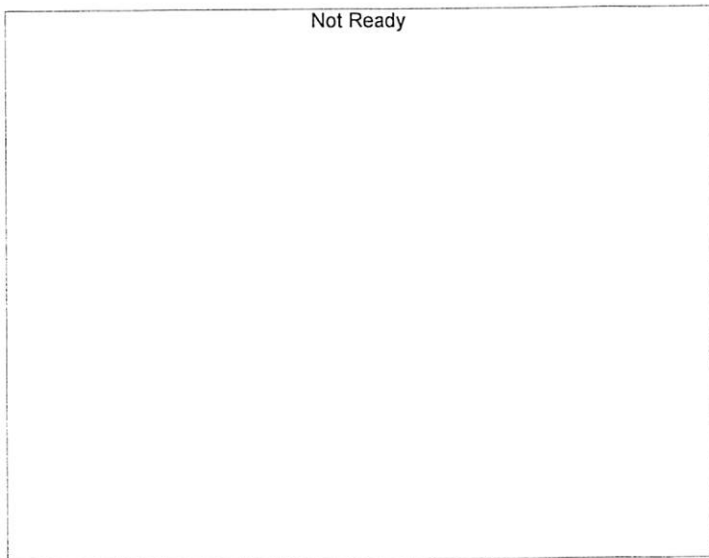


AB

# Calibration Table

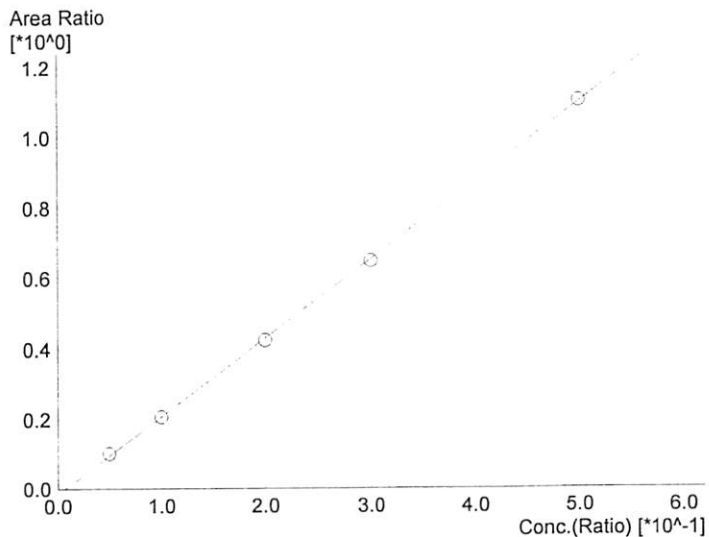
Laboratory : MERIDIAN  
 Instrument Name : GC-HS  
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>  
 Method File :C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Batch File :C:\LabSolutions\Data\210719\CALIBRATION\CALCURVE\_TEMPLATE.gcb  
 Date Acquired :7/19/2021 3:55:02 PM  
 Date Created :7/19/2021 3:50:25 PM  
 Date Modified :7/19/2021 3:58:04 PM



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

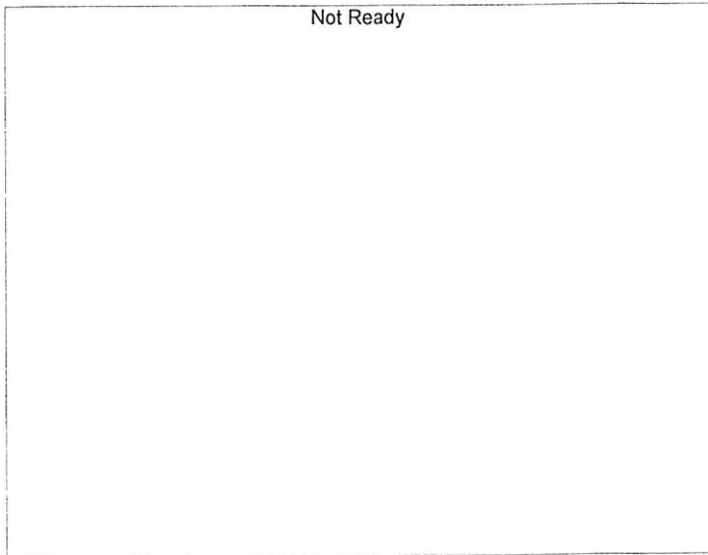
#	Conc.	Area	Std. Conc.
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Name : Ethanol  
 Detector Name: FID1  
 Function :  $f(x)=2.22643*x-0.0164228$   
 R<sup>2</sup> value= 0.9998057  
 FitType: Linear  
 ZeroThrough: Not Through

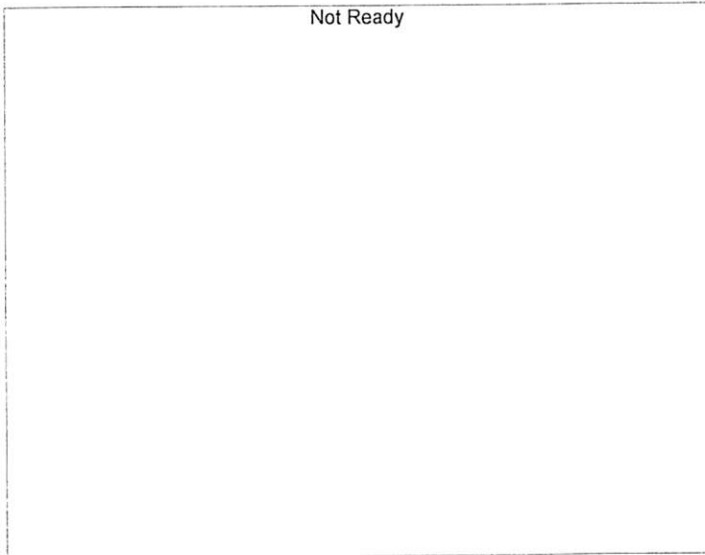
#	Conc.	Area	Std. Conc.
1	0.050	20182	0.0529
2	0.100	41028	0.0998
3	0.200	83046	0.1973
4	0.300	127362	0.2977
5	0.500	225269	0.5021

NB



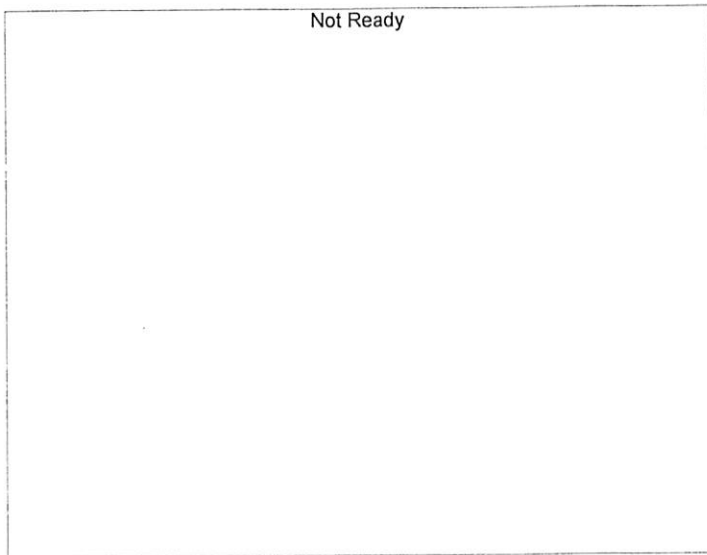
Name : Isopropyl Alcohol  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

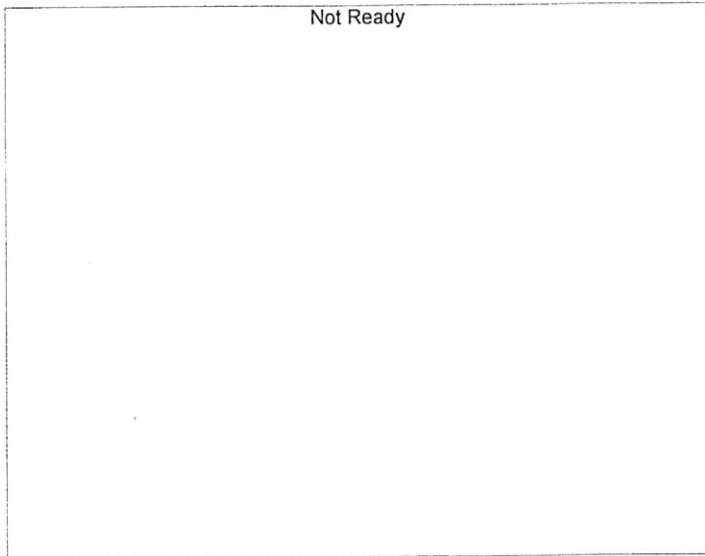
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

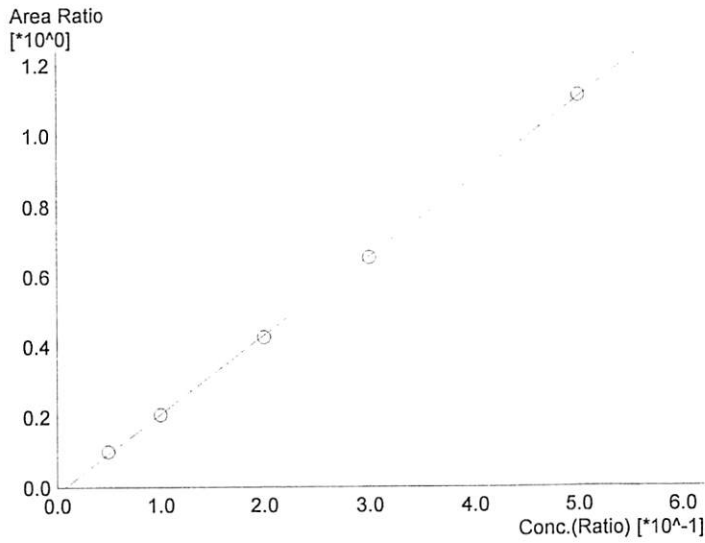
#	Conc.	Area	Std. Conc.
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NB



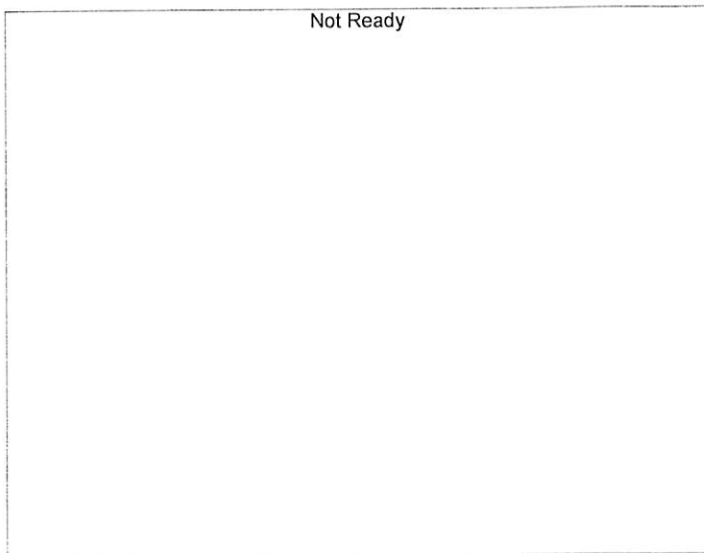
Name : Methanol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.24810*x-0.0188207$   
 R<sup>2</sup> value= 0.9998173  
 FitType: Linear  
 ZeroThrough: Not Through

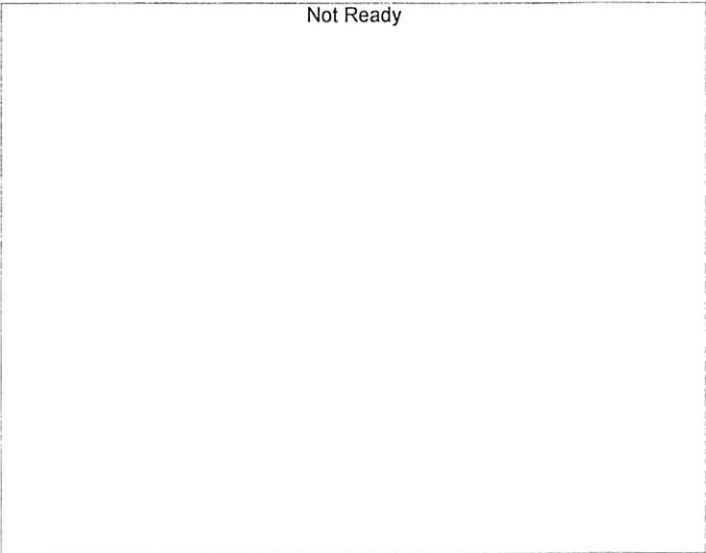
#	Conc.	Area	Std. Conc.
1	0.050	17817	0.0530
2	0.100	36452	0.0995
3	0.200	74519	0.1972
4	0.300	114785	0.2983
5	0.500	203004	0.5019



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.
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NB



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

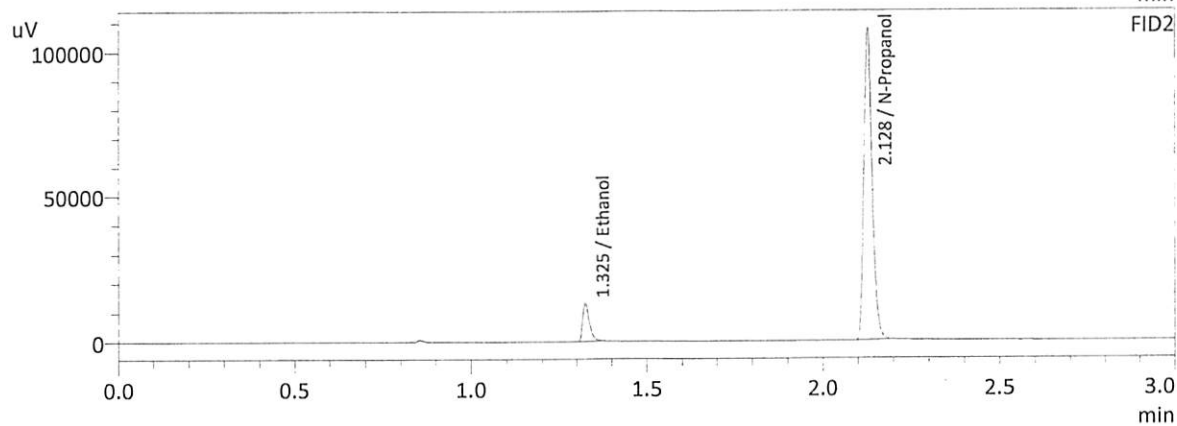
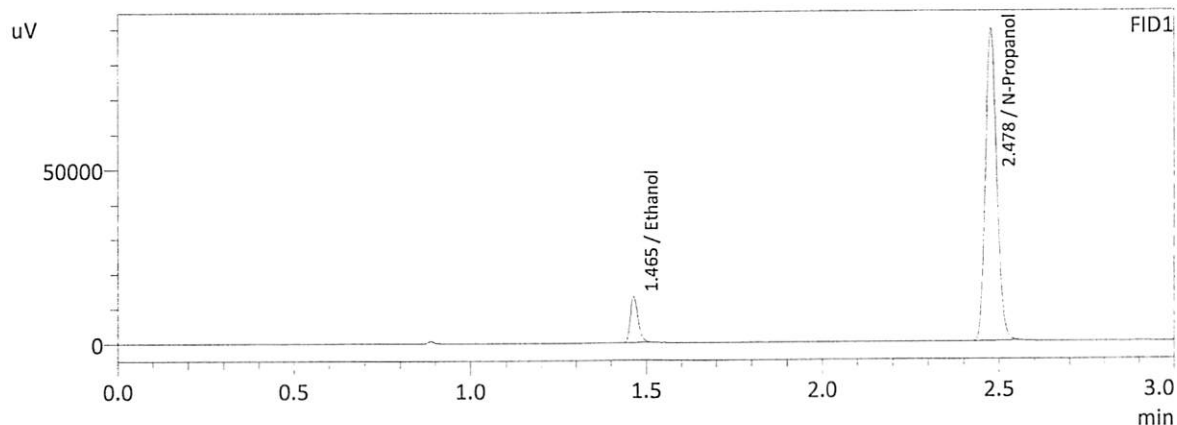
#	Conc.	Area	Std. Conc.
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Name : Flour. Hydrocarbon(s)  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 3:23:53 PM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

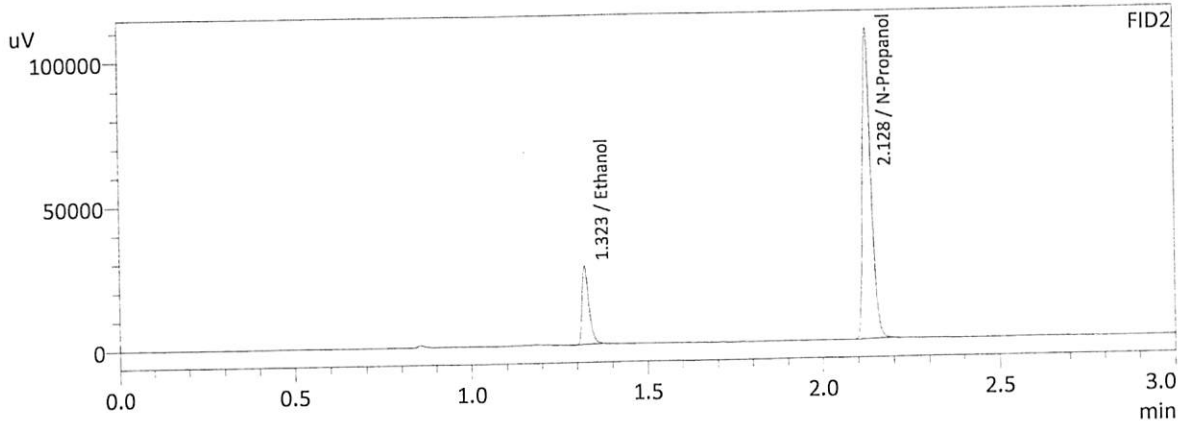
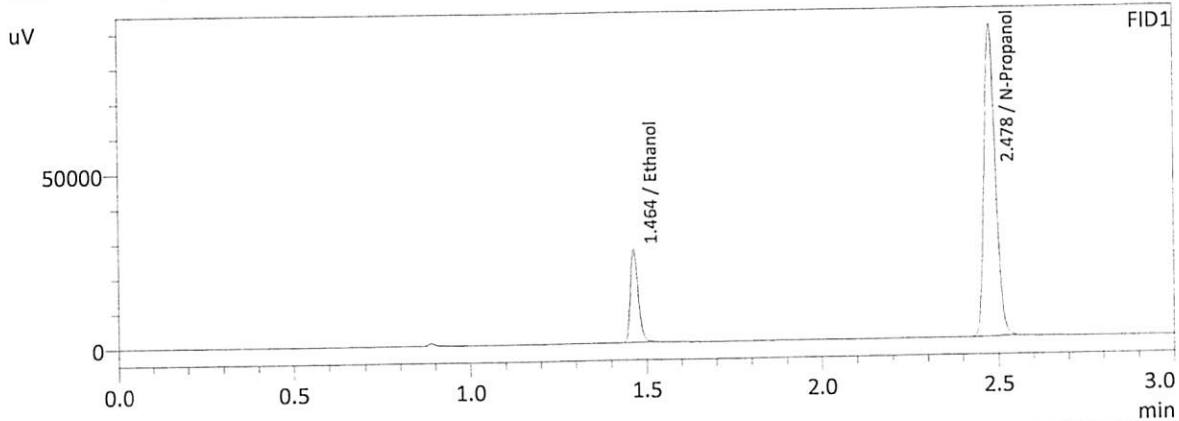
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0529	20182	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199074	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0530	17817	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	177528	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 3:31:14 PM  
 Vial # : 2  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0998	41028	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199370	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

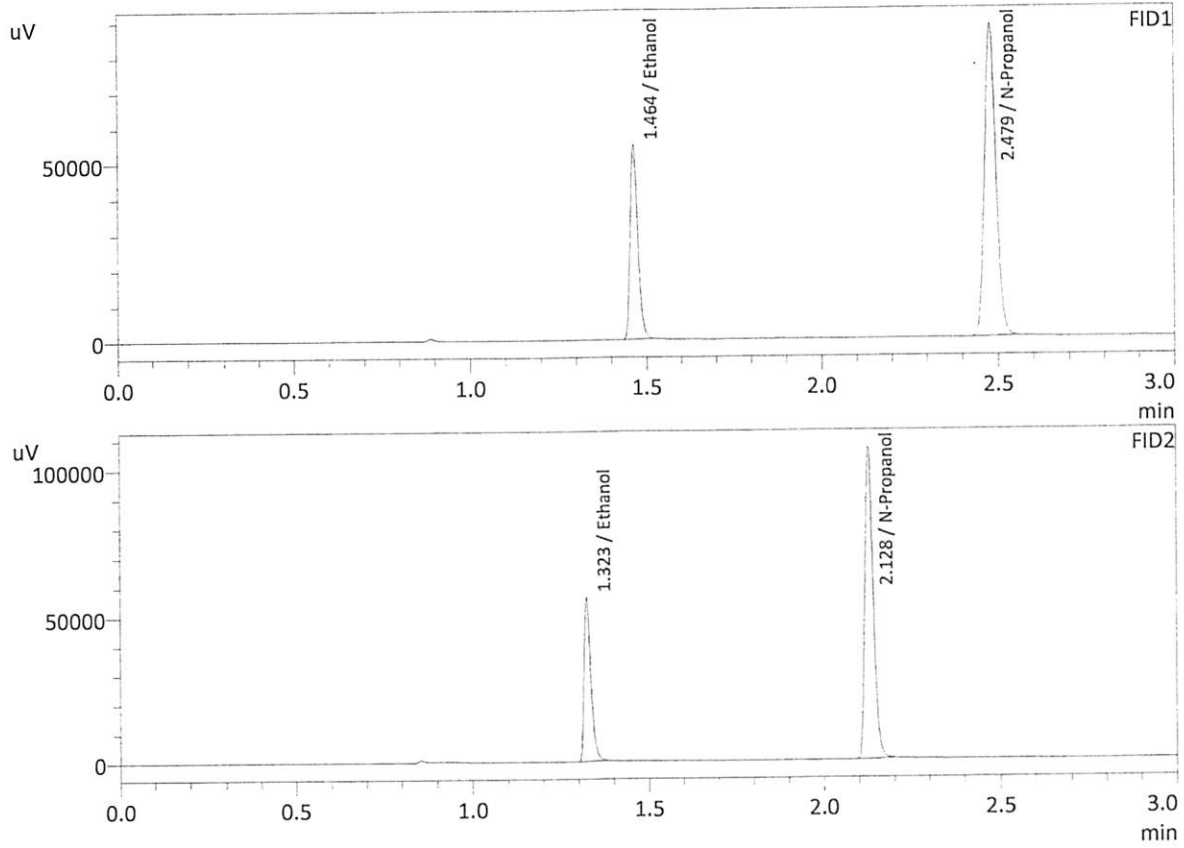
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0995	36452	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	177896	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB



Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 3:38:50 PM  
 Vial # : 3  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

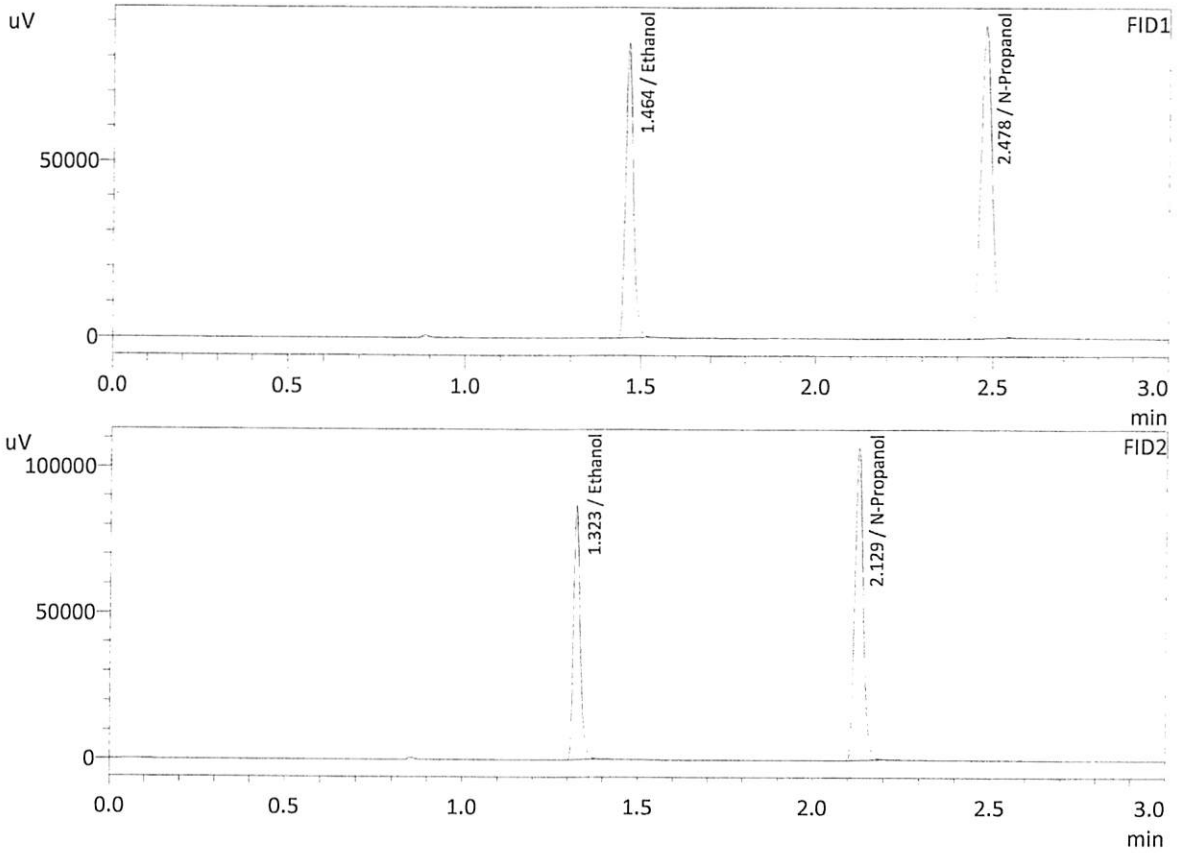
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1973	83046	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196315	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	74519	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175496	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

LB

Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 3:47:17 PM  
 Vial # : 4  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

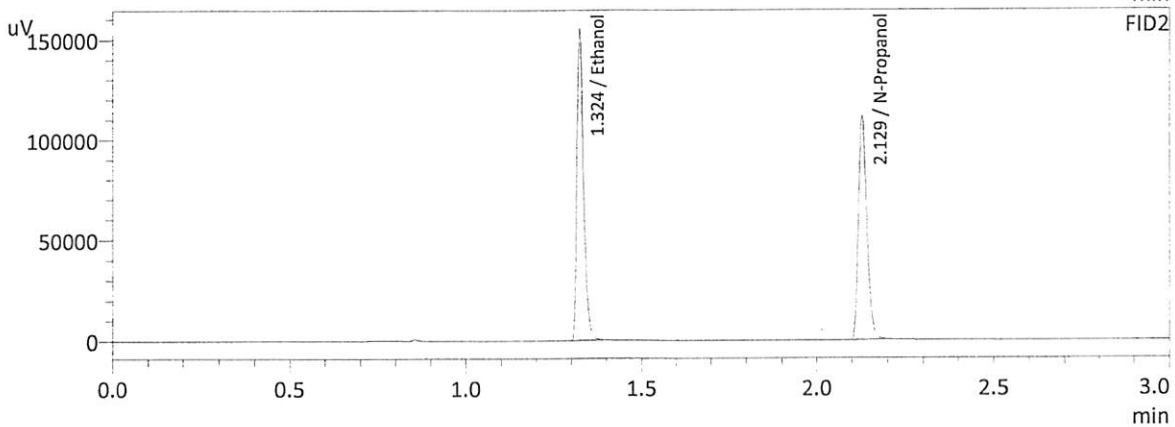
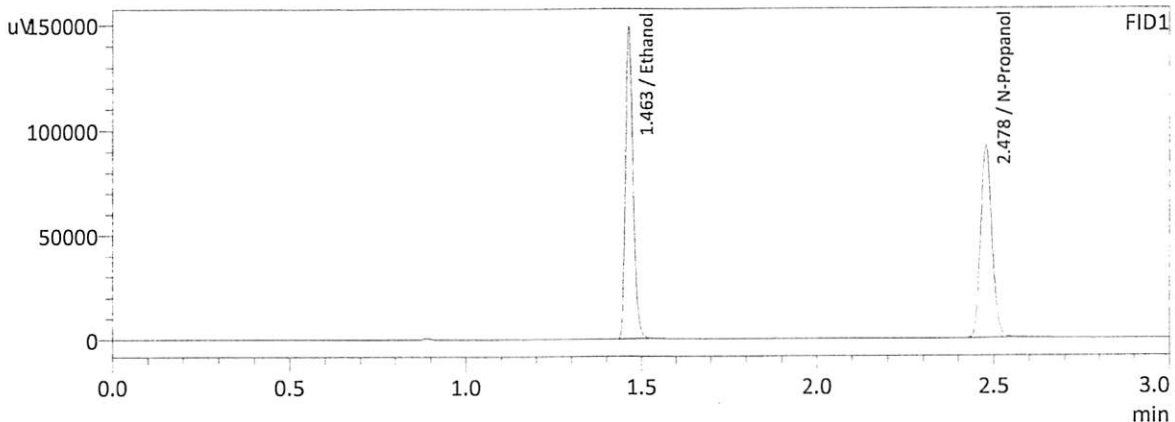
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	127362	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196986	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2983	114785	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	176104	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 3:55:02 PM  
 Vial # : 5  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

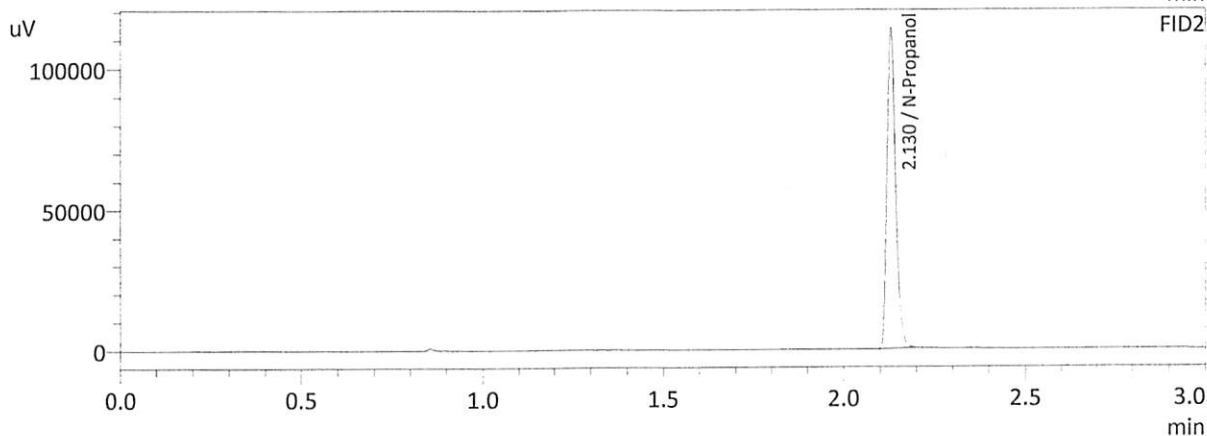
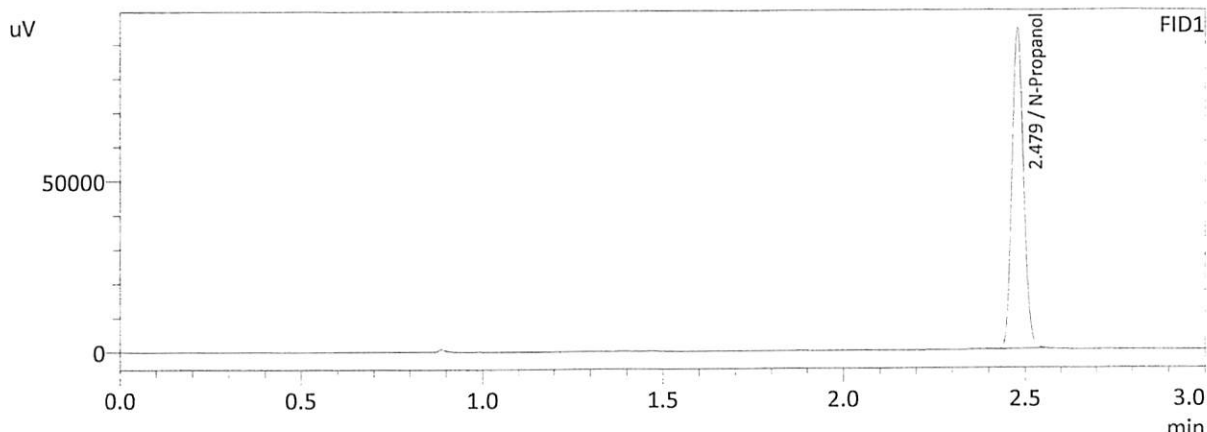
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5021	225269	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204504	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5019	203004	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182964	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLNK  
 Laboratory : Meridian  
 Injection Date : 7/19/2021 4:03:41 PM  
 Vial # : 6  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209819	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187419	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

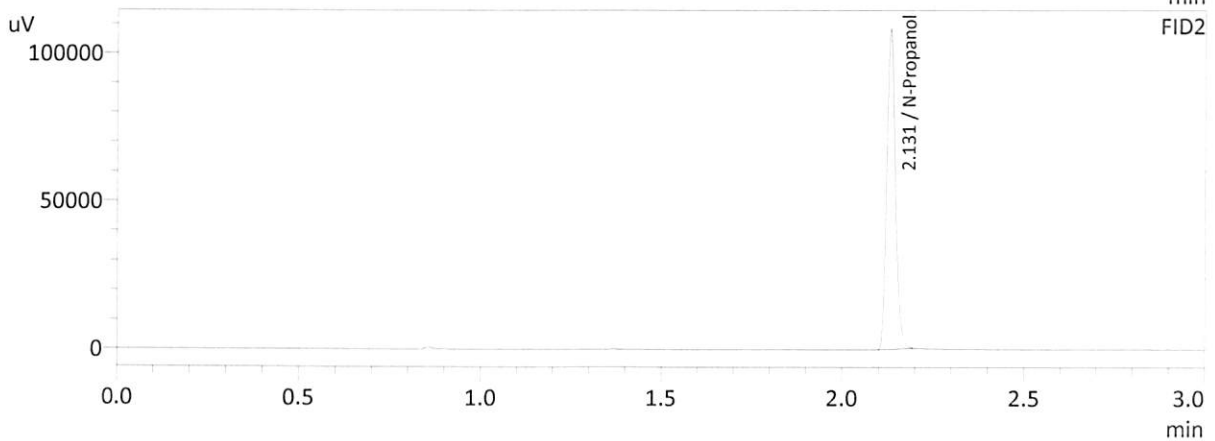
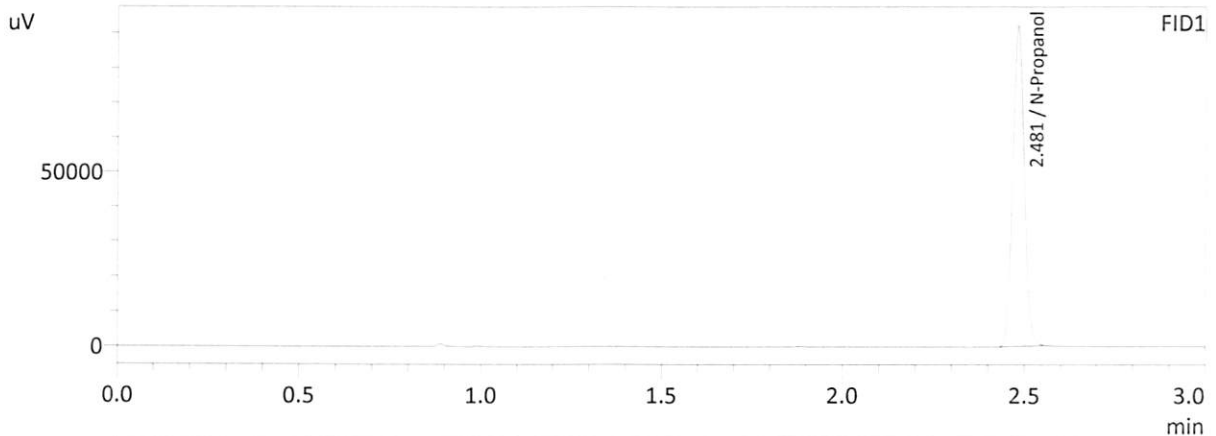
# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
Shimadzu HS-20 Serial #C12595800409  
Lab Solutions Software Ver. 5.99  
Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL.GCM
2	0.100	1:Standard	2	ALCOHOL.GCM
3	0.200	1:Standard	3	ALCOHOL.GCM
4	0.300	1:Standard	4	ALCOHOL.GCM
5	0.500	1:Standard	5	ALCOHOL.GCM
6	INT STD BLNK	0:Unknown	0	ALCOHOL.GCM



Sample Name : INT STD BLK 1  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:14:21 PM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

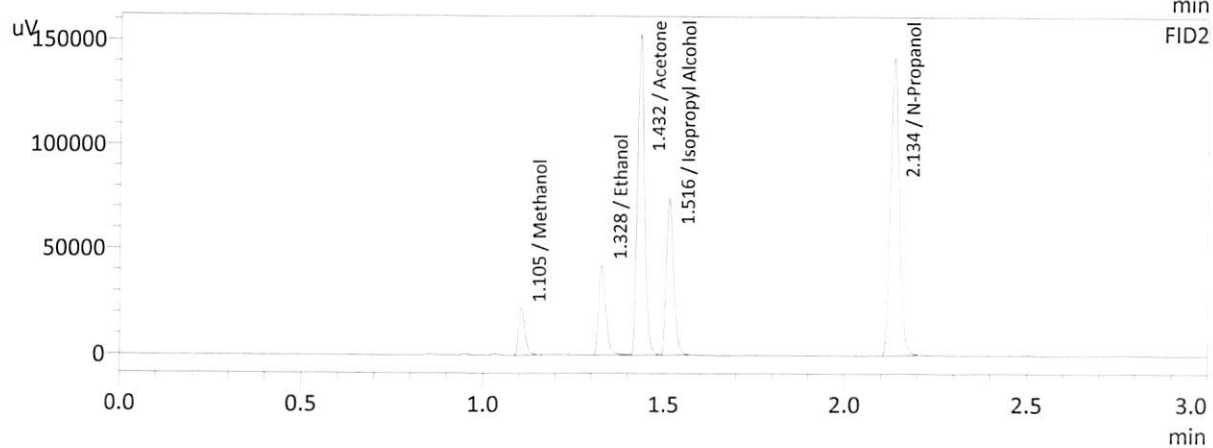
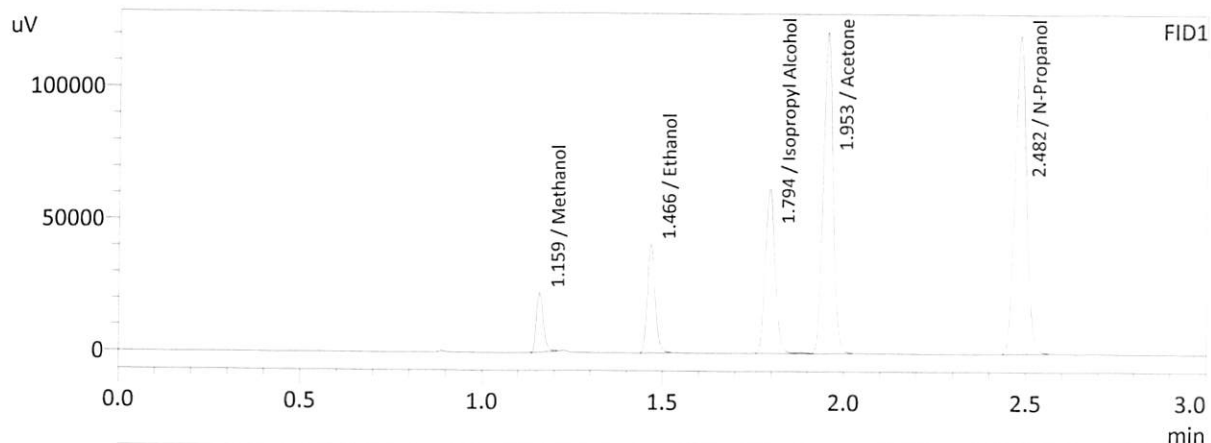
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202491	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	179249	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

*NB*

Sample Name : MIXED VOLATILES FN 07101701  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:21:41 PM  
 Vial # : 2  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	30367	g/100cc
Ethanol	0.1151	63421	g/100cc
Isopropyl Alcohol	0.0000	116824	g/100cc
Acetone	0.0000	226762	g/100cc
N-Propanol	0.0000	264350	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	28431	g/100cc
Ethanol	0.1184	57981	g/100cc
Acetone	0.0000	206711	g/100cc
Isopropyl Alcohol	0.0000	104665	g/100cc
N-Propanol	0.0000	234363	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

RB

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1-1

Analysis Date(s): 7/26/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0750	0.0751	0.0001	0.0750	0.0020	0.0760
(g/100cc)	0.0766	0.0774	0.0008	0.0770		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

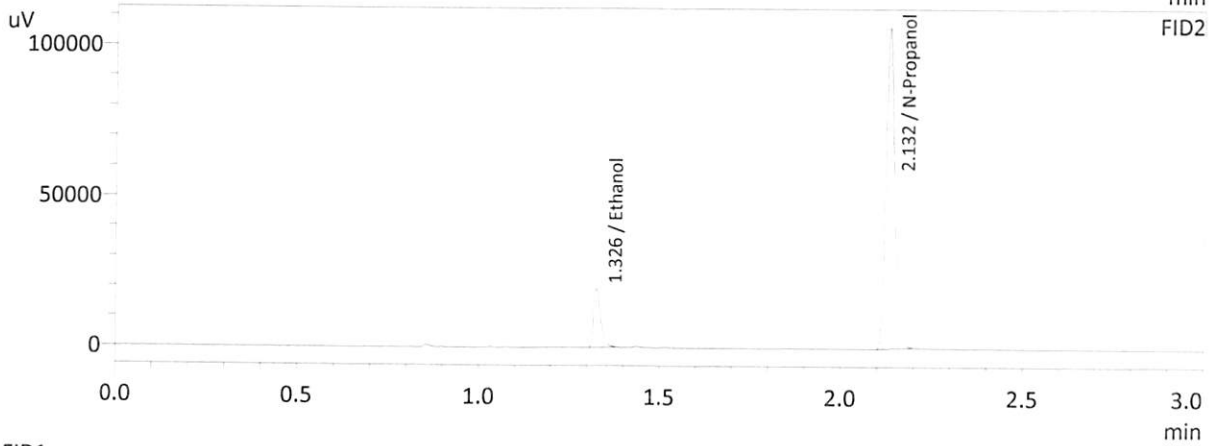
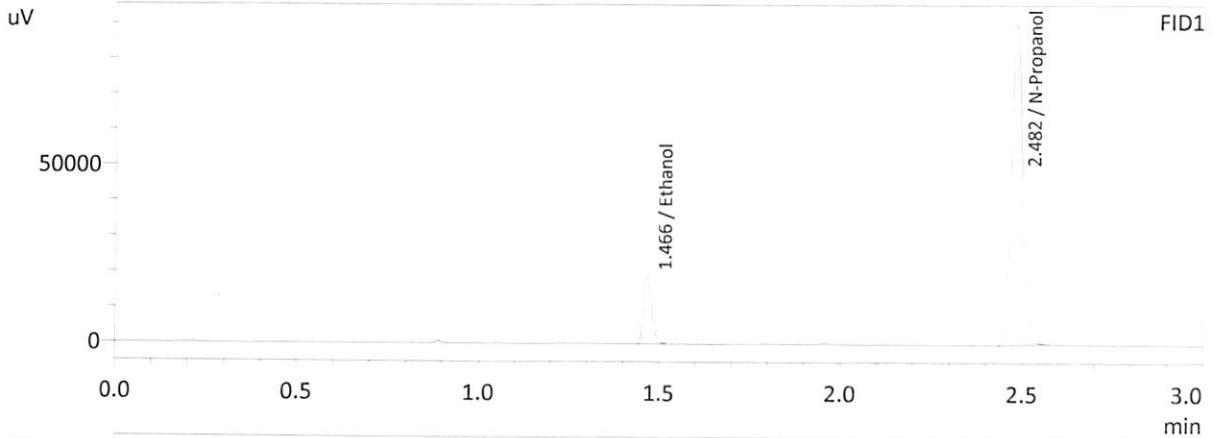
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	<b>Reported Result</b>	
	0.076	

*Calibration and control data are stored centrally.*



Sample Name : QC-1-1-A  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:29:03 PM  
 Vial # : 3  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

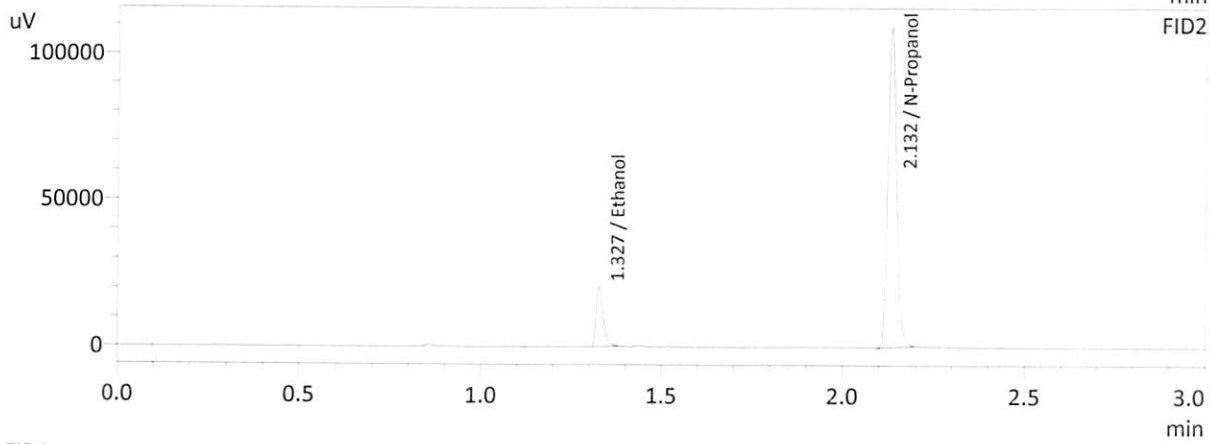
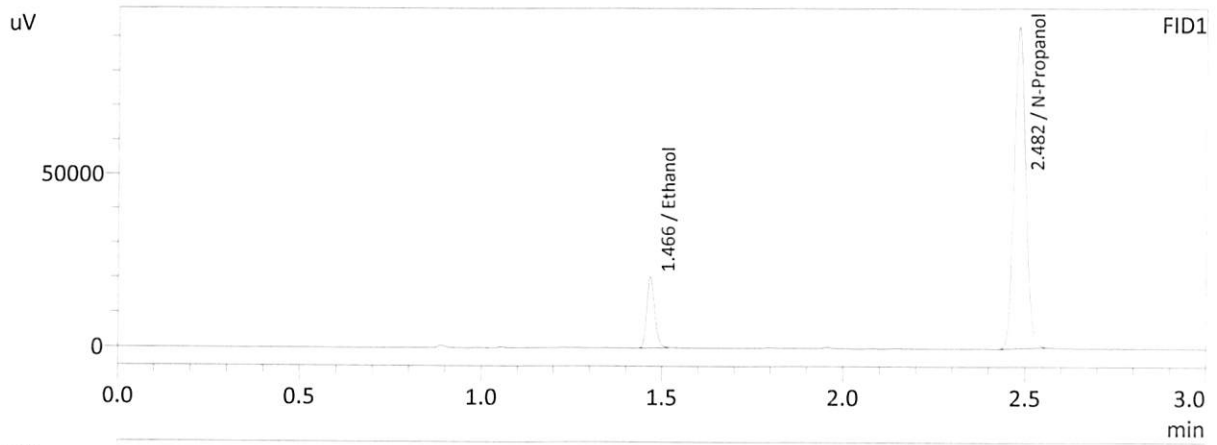
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0750	29875	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198217	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0751	26413	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175907	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:37:58 PM  
 Vial # : 4  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0766	31377	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203500	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0774	28040	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180534	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA

Analysis Date(s): 7/26/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0826	0.0834	0.0008	0.0830	0.0001	0.0830
(g/100cc)	0.0826	0.0836	0.0010	0.0831		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

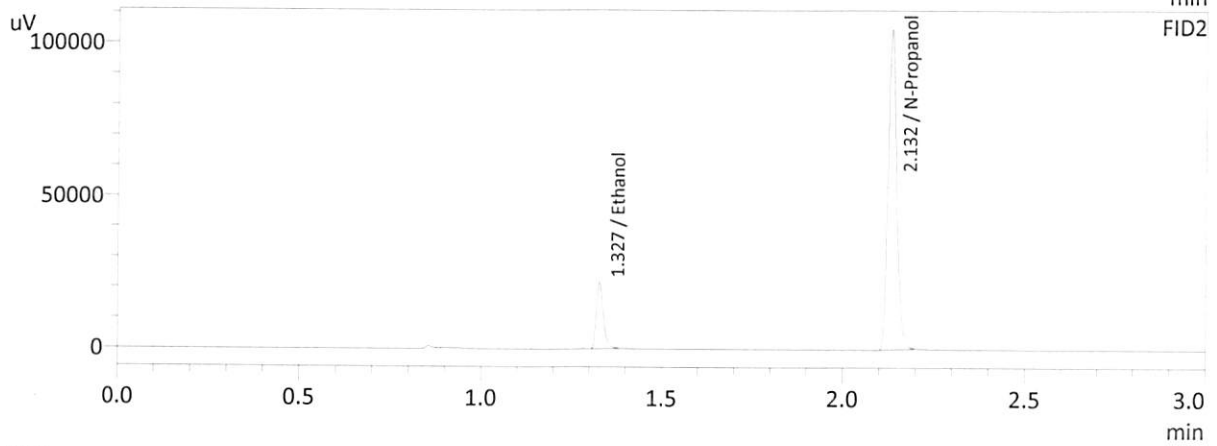
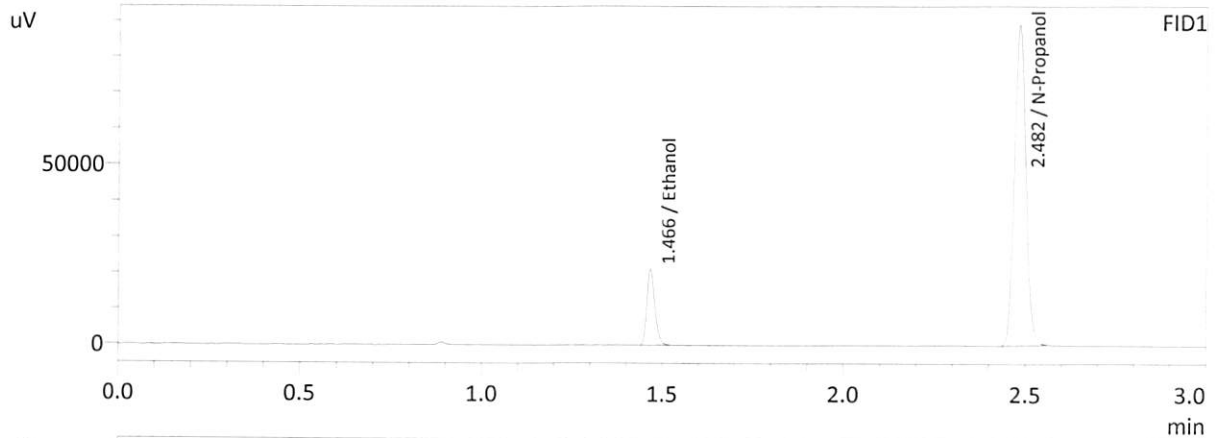
Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	0.078	0.088	0.005

	<b>Reported Result</b>	
	0.083	

*Calibration and control data are stored centrally.*

Sample Name : 0.08 QA-A  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:45:36 PM  
 Vial # : 5  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

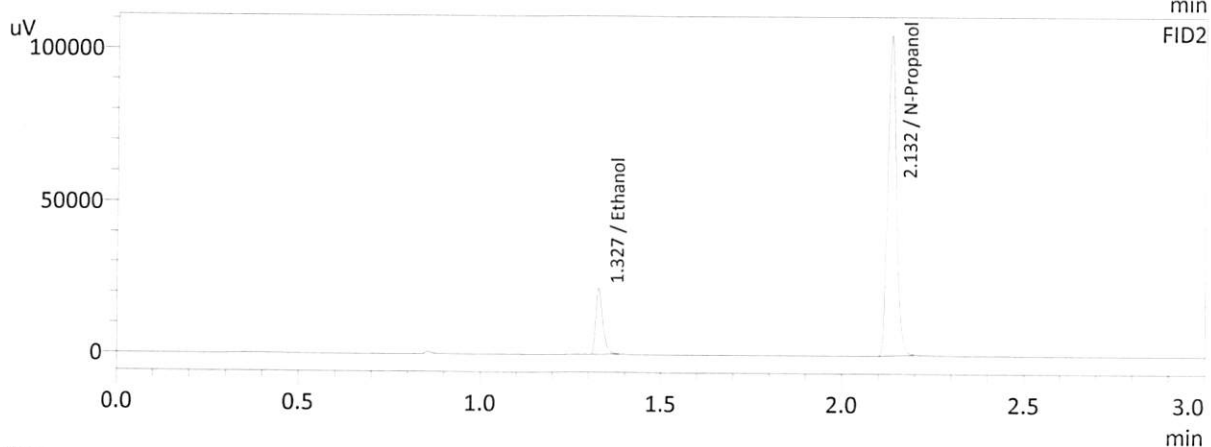
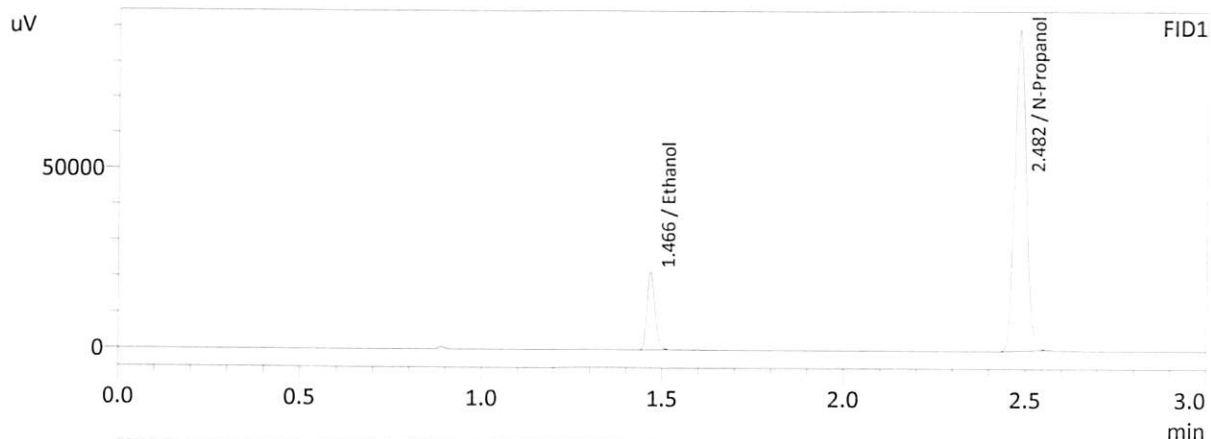
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	32690	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195180	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	29244	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	173222	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 1:53:44 PM  
 Vial # : 6  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	32899	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196192	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	29457	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	174081	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2-1

Analysis Date(s): 7/26/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2039	0.2067	0.0028	0.2053	0.0007	0.2049
(g/100cc)	0.2035	0.2058	0.0023	0.2046		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

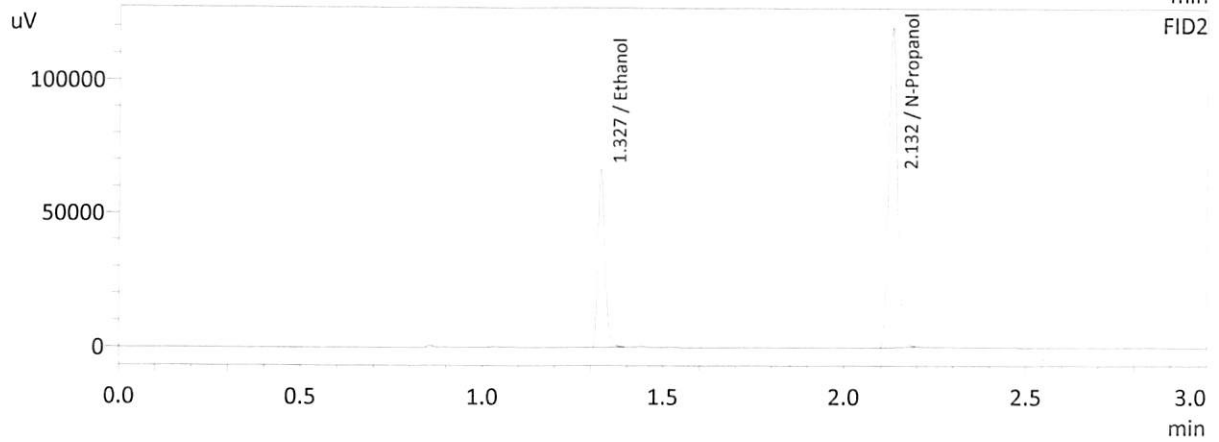
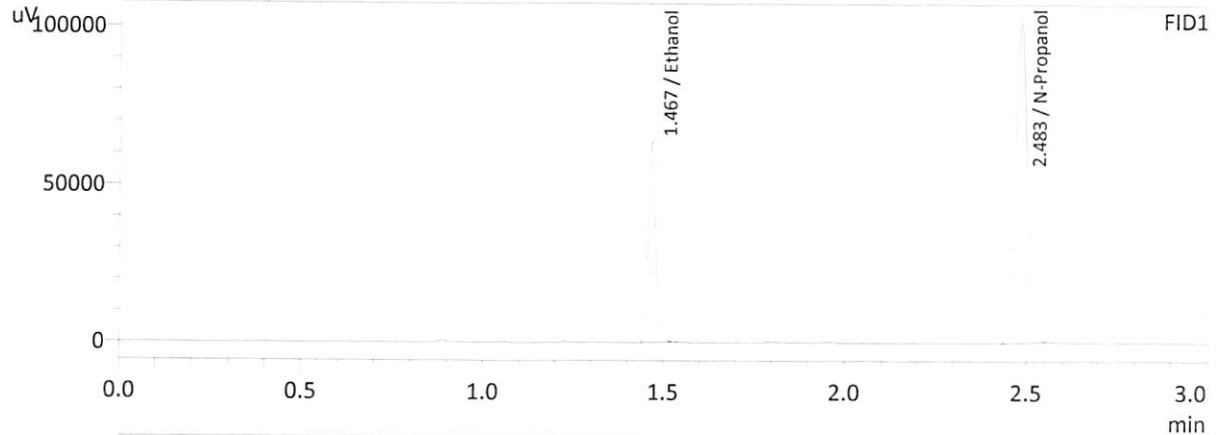
**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	0.193	0.215	0.011

Reported Result	
0.204	

*Calibration and control data are stored centrally.*

Sample Name : QC-2-1-A  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 4:26:46 PM  
 Vial # : 25  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

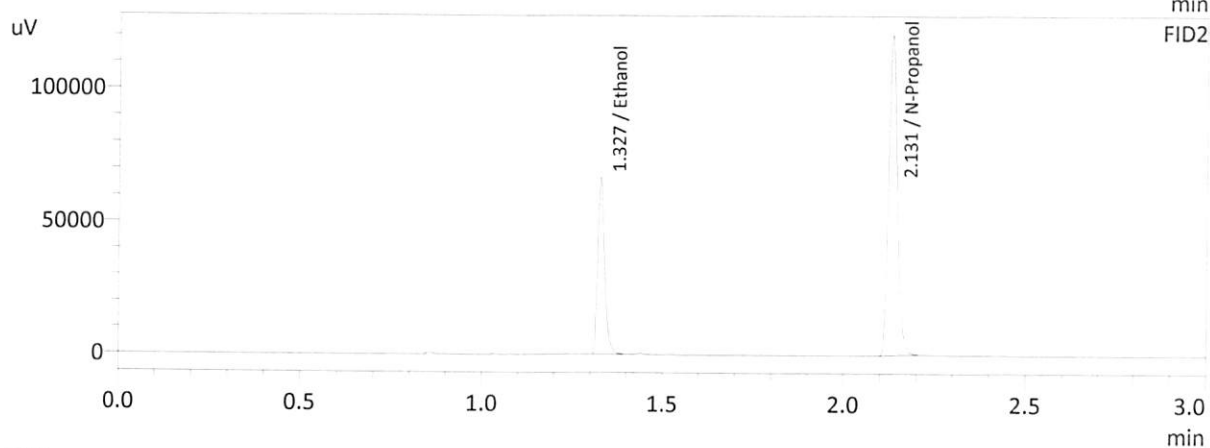
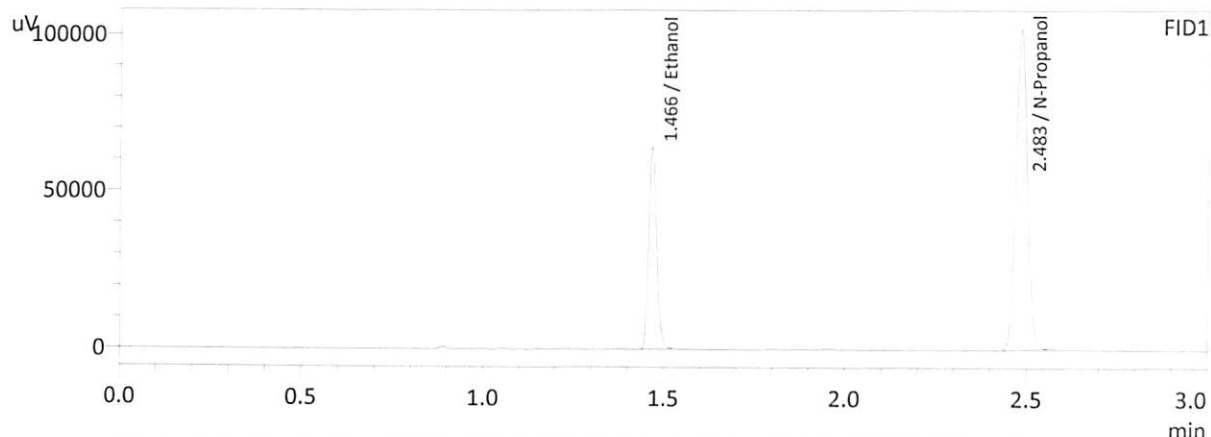
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2039	98390	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	224772	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	89045	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199689	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

MB

Sample Name : QC-2-1-B  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 4:34:02 PM  
 Vial # : 26  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2035	98386	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225214	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2058	88893	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200252	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1-2

Analysis Date(s): 7/26/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0780	0.0792	0.0012	0.0786	0.0005	0.0788
(g/100cc)	0.0785	0.0798	0.0013	0.0791		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**Reporting of Results**

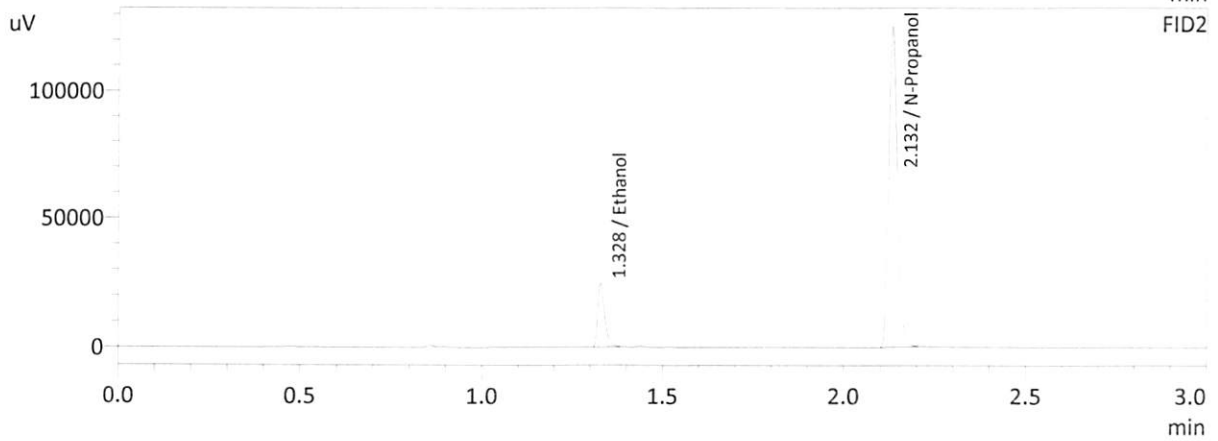
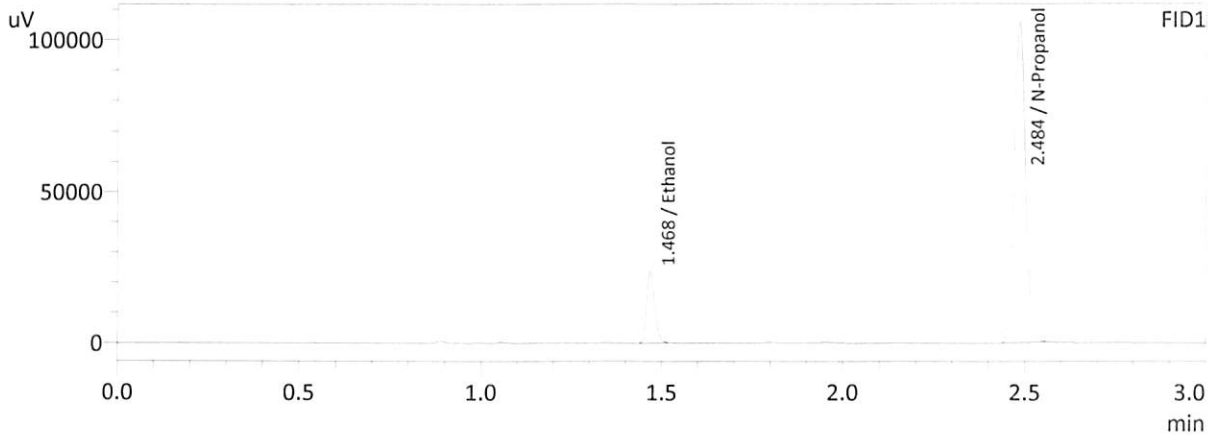
**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	<b>Reported Result</b>	
	0.078	

*Calibration and control data are stored centrally.*

Sample Name : QC1-2-A  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 7:22:31 PM  
 Vial # : 47  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

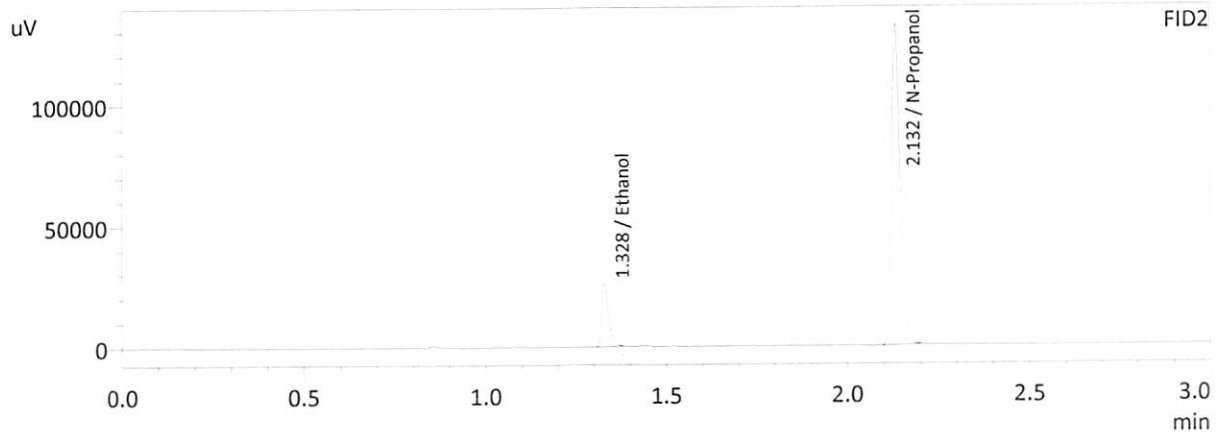
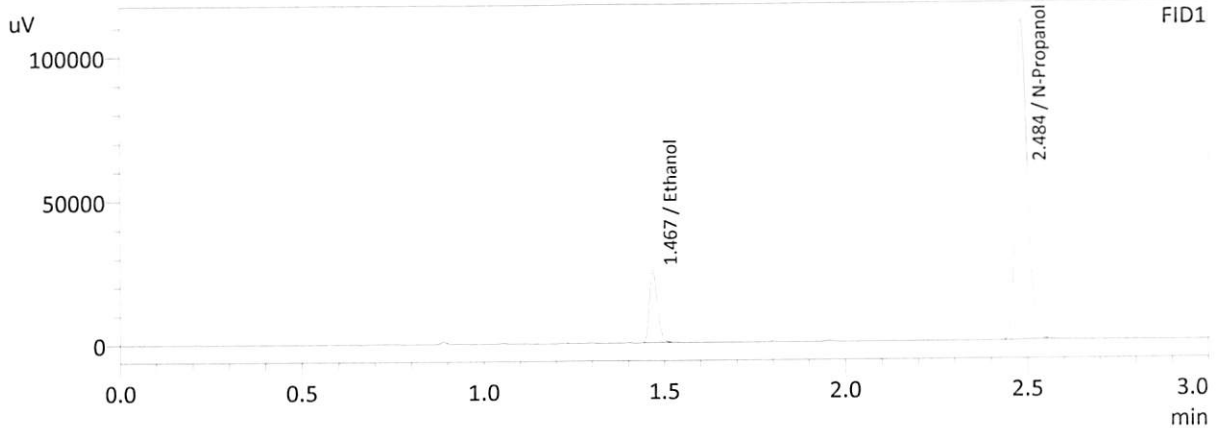
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0780	36743	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	233631	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	33081	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207609	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

MB

Sample Name : QC1-2-B  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 7:30:56 PM  
 Vial # : 48  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

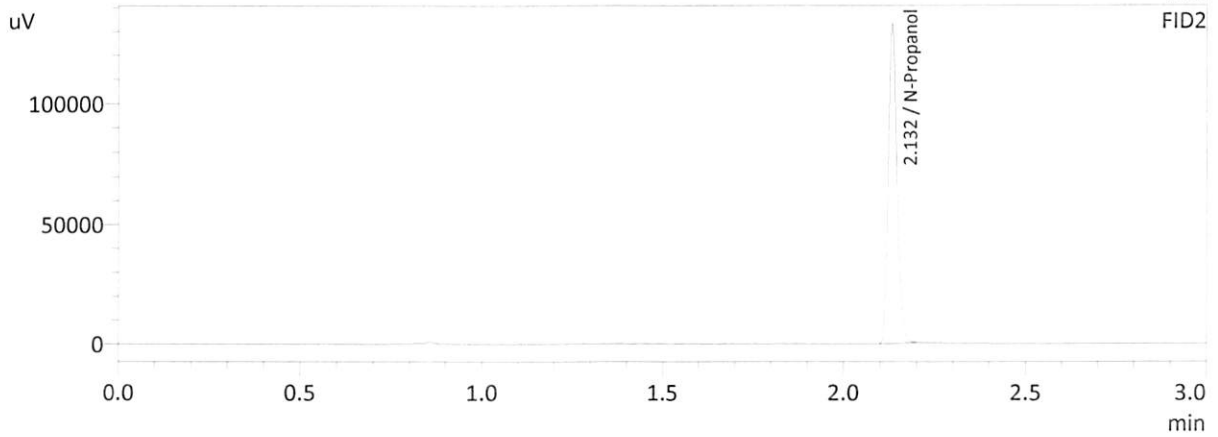
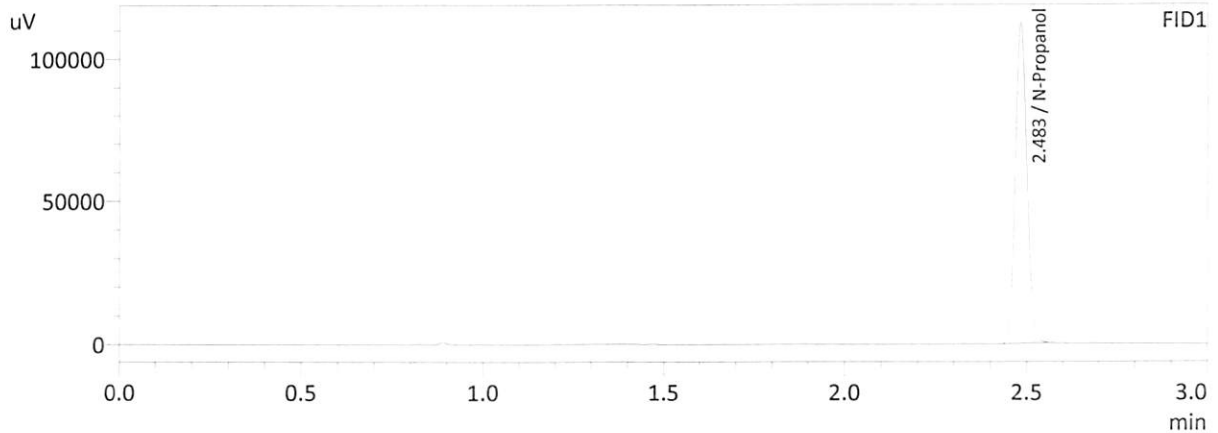
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	38936	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	245789	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0798	35070	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218377	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

MB

Sample Name : INT STD BLNK  
 Laboratory : Meridian  
 Injection Date : 7/26/2021 7:38:39 PM  
 Vial # : 49  
 Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	247826	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220297	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
 Shimadzu HS-20 Serial #C12595800409  
 Lab Solutions Software Ver. 5.99  
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Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
7	M2021-3133-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
8	M2021-3133-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
9	M2021-3211-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
10	M2021-3211-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
11	M2021-3212-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
12	M2021-3212-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
13	M2021-3213-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
14	M2021-3213-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
15	M2021-3214-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
16	M2021-3214-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
17	M2021-3215-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
18	M2021-3215-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
19	M2021-3216-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
20	M2021-3216-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
21	M2021-3226-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
22	M2021-3226-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
23	M2021-3227-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
24	M2021-3227-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
27	M2021-3228-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
28	M2021-3228-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
29	M2021-3229-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
30	M2021-3229-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
31	M2021-3235-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
32	M2021-3235-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
33	M2021-3236-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
34	M2021-3236-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
35	M2021-3244-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
36	M2021-3244-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
37	M2021-3245-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
38	M2021-3245-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
39	M2021-3246-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
40	M2021-3246-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
41	M2021-3247-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
42	M2021-3247-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
43	M2021-3254-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
44	M2021-3254-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
45	M2021-3255-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
46	M2021-3255-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
49	INT STD BLNK	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM