

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): 12/20/21

Calibration Date: 12/17/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-21	1907006	0.0764	0.0688-0.0840	0.0727 g/100cc
					0.0761 g/100cc
Level 2	Jul-21	1907007	0.2170	0.1953-0.2387	0.2119 g/100cc
					g/100cc
Multi-Component mixture:					
Curve Fit:			Column 1	Lot # FN07101701	
			Column 1	0.99976	Column 2
					0.99979

**REVIEWED**  
By Tamara Salazar at 2:51 pm, Dec 22, 2021

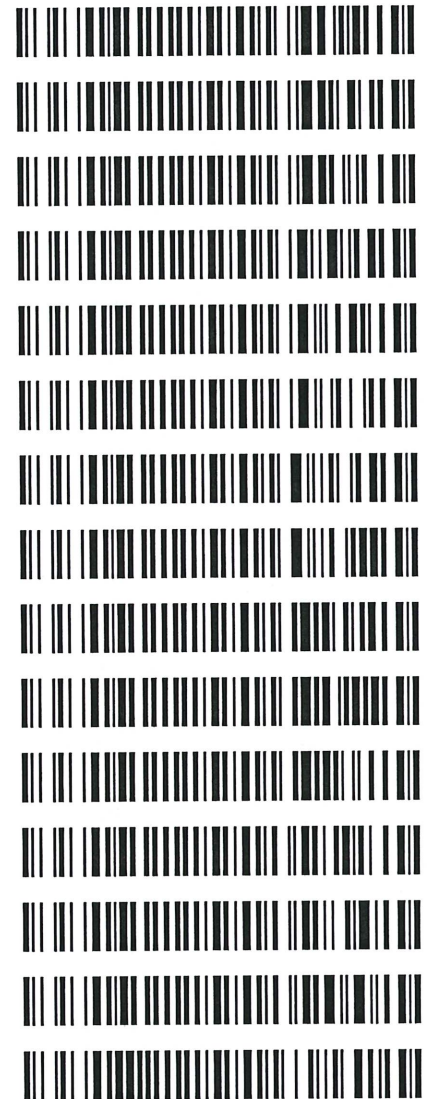
Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0503	0.0008	0.0507
100	0.100	0.090 - 0.110	0.1019	0.1020	1E-04	0.1019
200	0.200	0.180 - 0.220	0.1951	0.1956	0.0005	0.1953
300	0.300	0.270 - 0.330	0.3007	0.3016	0.0009	0.3011
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5003	0.0007	0.5006

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

*ds*

**Worklist: 5467**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2021-5361	1	BCK	Alcohol Analysis
M2021-5362	1	BCK	Alcohol Analysis
M2021-5363	1	BCK	Alcohol Analysis
M2021-5397	1	BCK	Alcohol Analysis
M2021-5405	1	BCK	Alcohol Analysis
M2021-5406	1	BCK	Alcohol Analysis
M2021-5429	1	BCK	Alcohol Analysis
M2021-5430	1	BCK	Alcohol Analysis
M2021-5485	1	BCK	Alcohol Analysis
M2021-5486	1	BCK	Alcohol Analysis
M2021-5487	1	BCK	Alcohol Analysis
M2021-5495	1	BCK	Alcohol Analysis
M2021-5503	1	BCK	Alcohol Analysis
M2021-5515	1	BCK	Alcohol Analysis
P2021-3938	1	BCK	Alcohol Analysis



Samples were originally run on 12/17/21. QC failure  
required that the samples were rerun.

JG 12/21/21

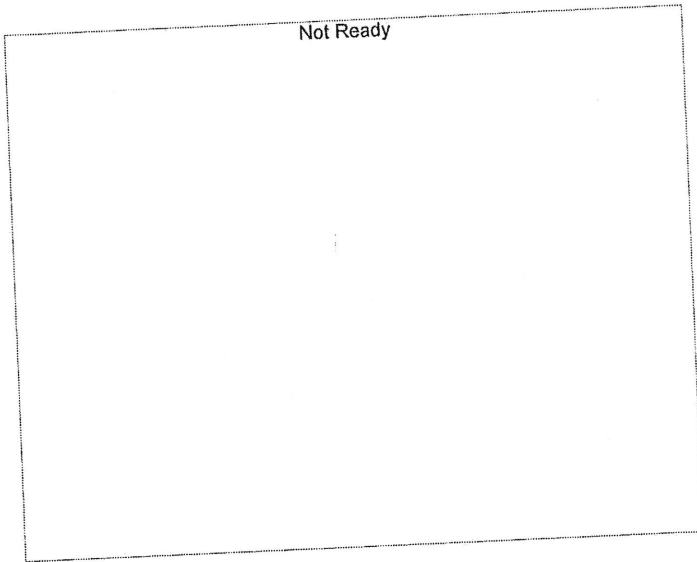
JG

# Calibration Table

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

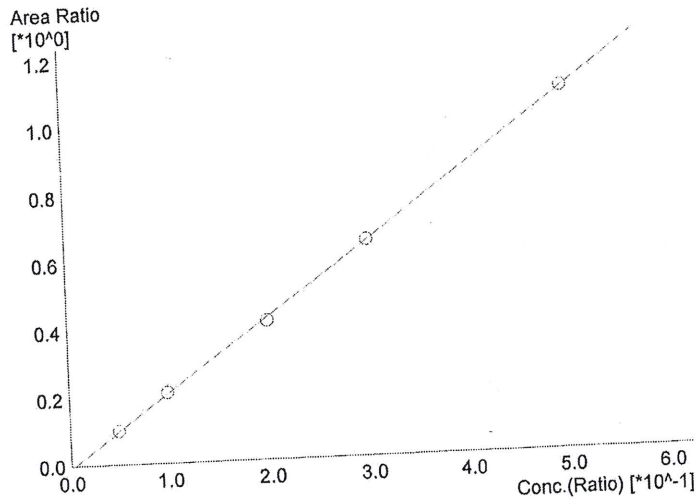
<<Data File>> :C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Method File :C:\LabSolutions\Data\211217\CALIBRATION\CALCURVE\_TEMPLATE.gcb  
 Batch File :12/17/2021 11:22:13 AM  
 Date Acquired :12/17/2021 11:16:29 AM  
 Date Created :12/17/2021 11:25:15 AM  
 Date Modified :

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



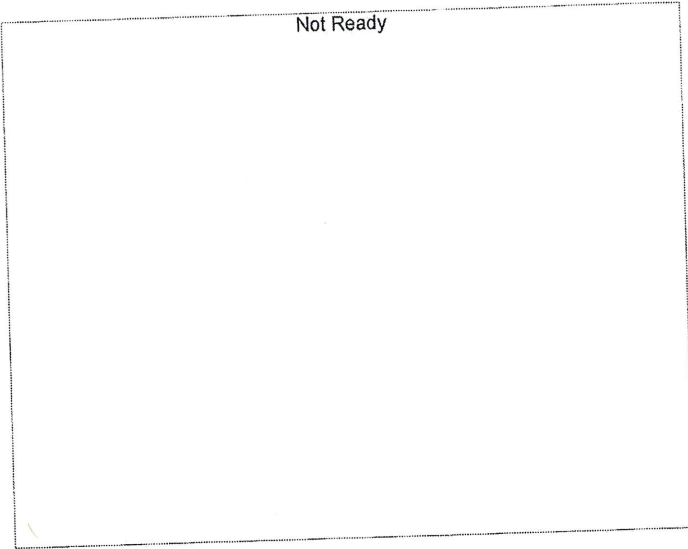
#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Ethanol  
 Detector Name: FID1  
 Function :  $f(x)=2.17383*x-0.00968621$   
 R<sup>2</sup> value= 0.9997600  
 FitType: Linear  
 ZeroThrough: Not Through



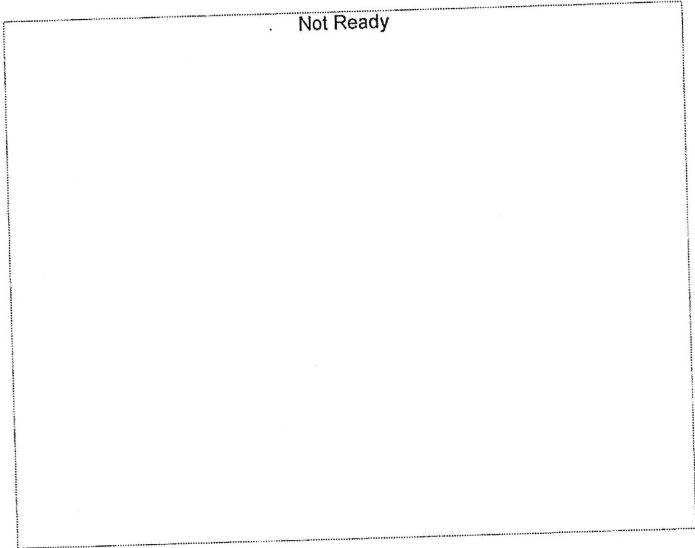
#	Conc.	Area	Std. Conc.
1	0.050	20049	0.0511
2	0.100	45451	0.1019
3	0.200	81616	0.1951
4	0.300	127205	0.3007
5	0.500	229076	0.5010

*JK*



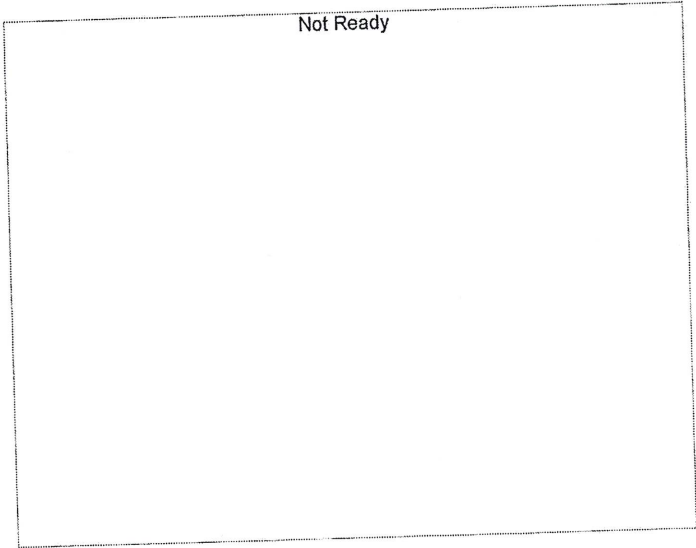
Name : Isopropyl Alcohol  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



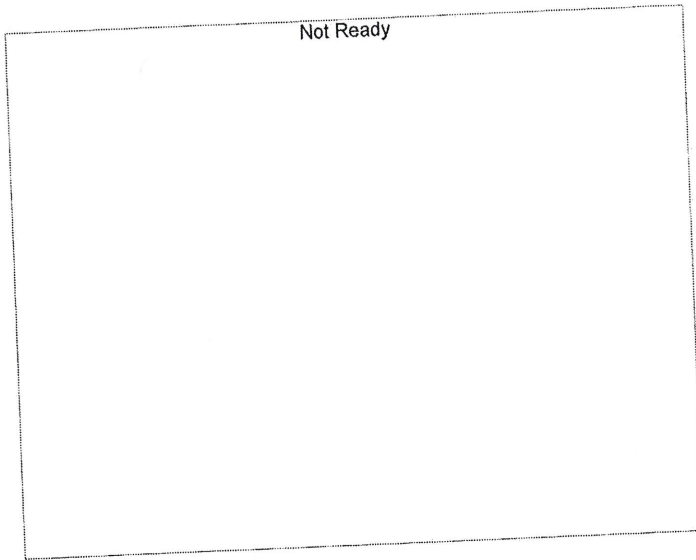
Name : Acetone  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



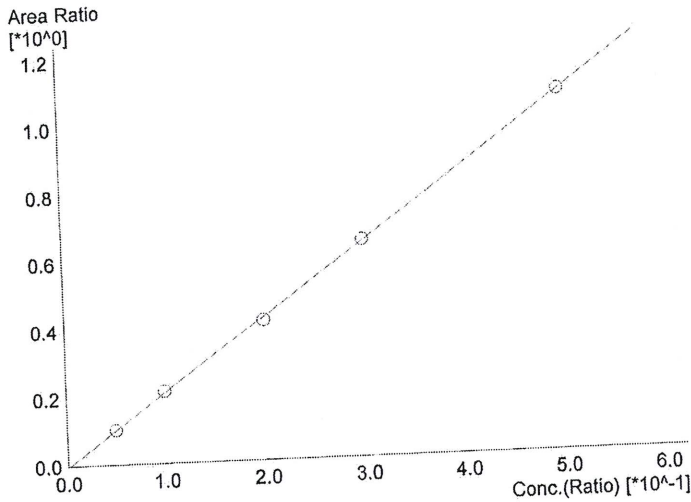
Name : Fluor. Hydrocarbon(s)  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

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



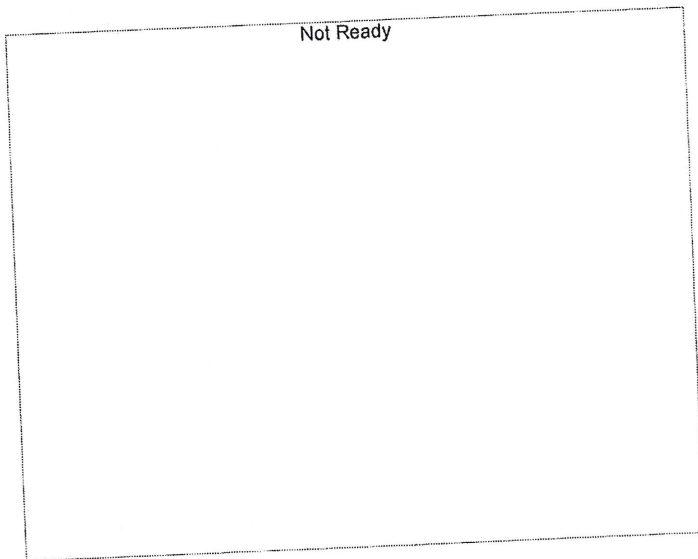
Name : Methanol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

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



Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.15066*x-0.00530731$   
 R<sup>2</sup> value= 0.9997945  
 FitType: Linear  
 ZeroThrough: Not Through

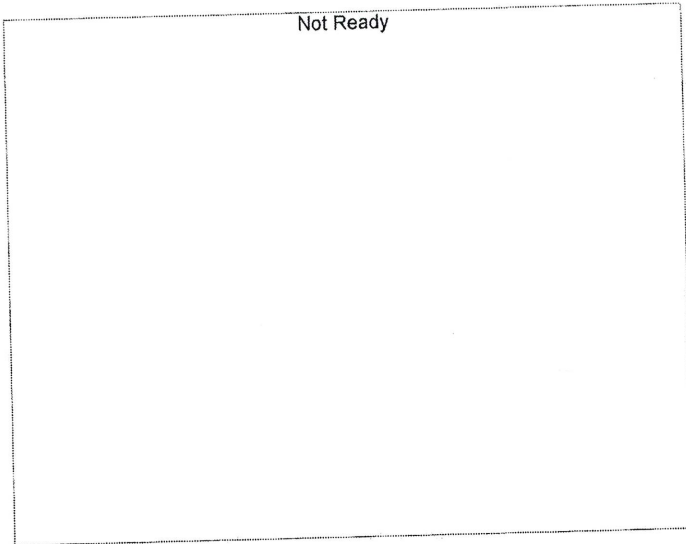
#	Conc.	Area	Std. Conc.
1	0.050	18956	0.0503
2	0.100	42606	0.1020
3	0.200	75916	0.1956
4	0.300	117770	0.3016
5	0.500	210063	0.5003



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

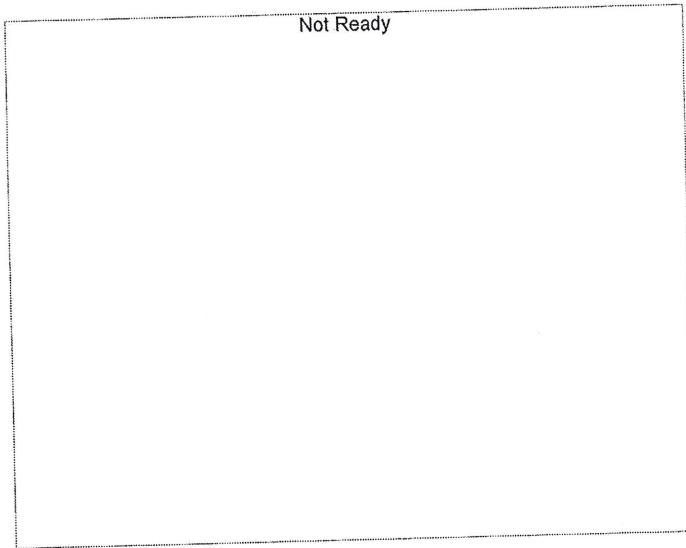
#	Conc.	Area	Std. Conc.
---	-------	------	------------

*JK*



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

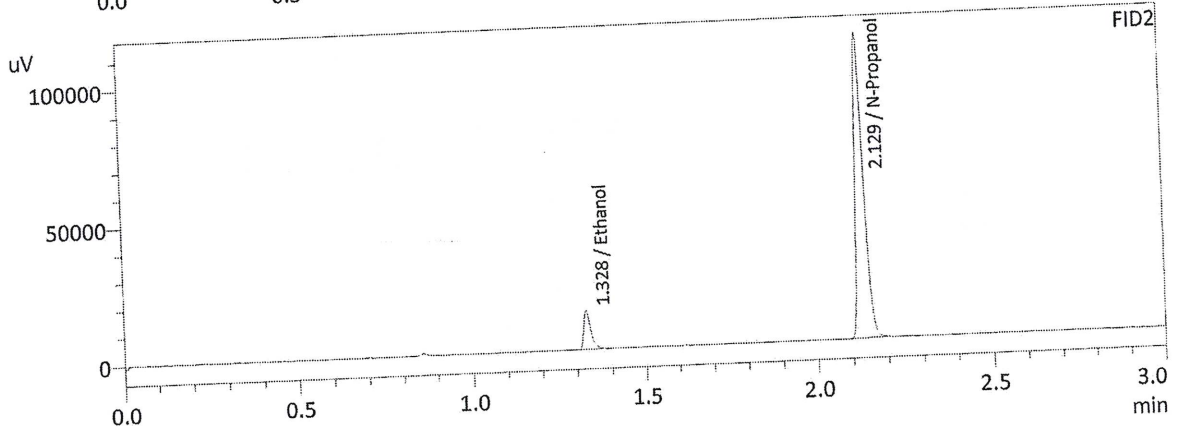
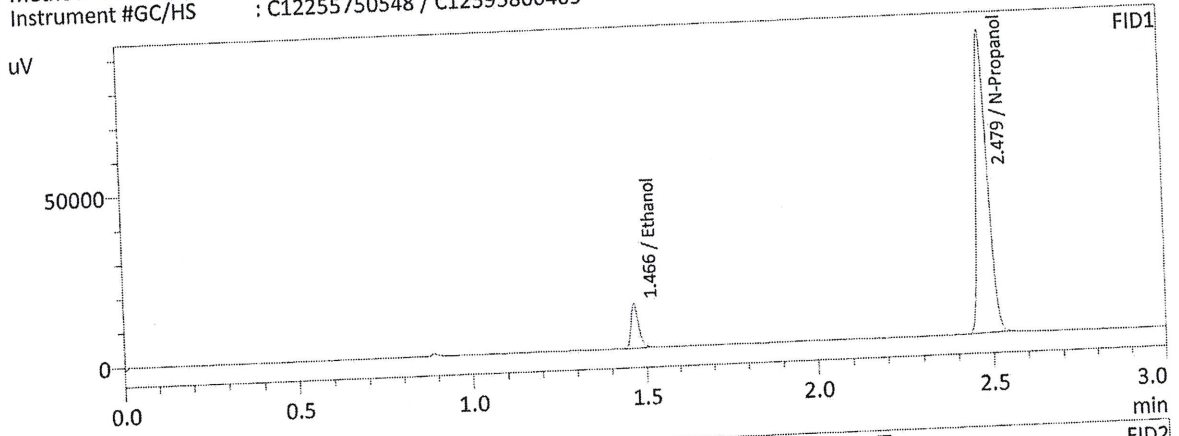
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

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

Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 10:49:59 AM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

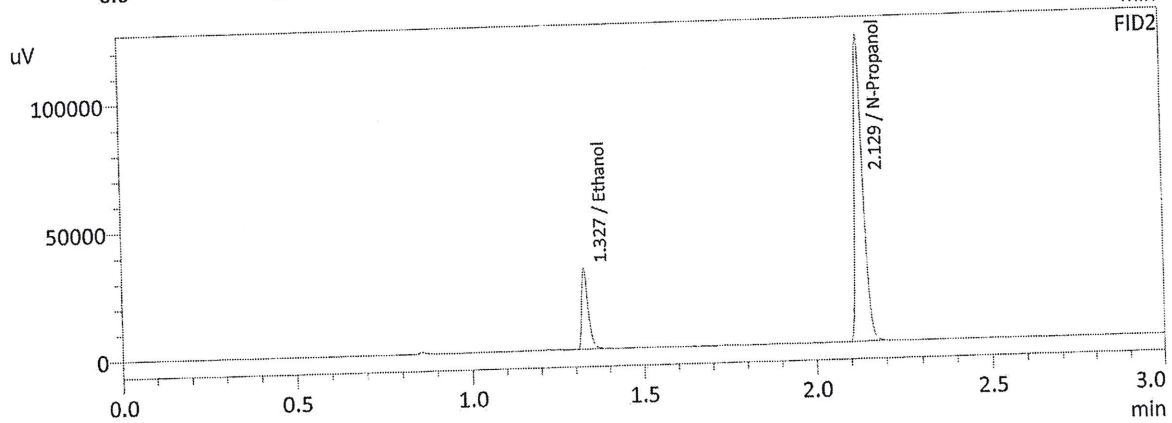
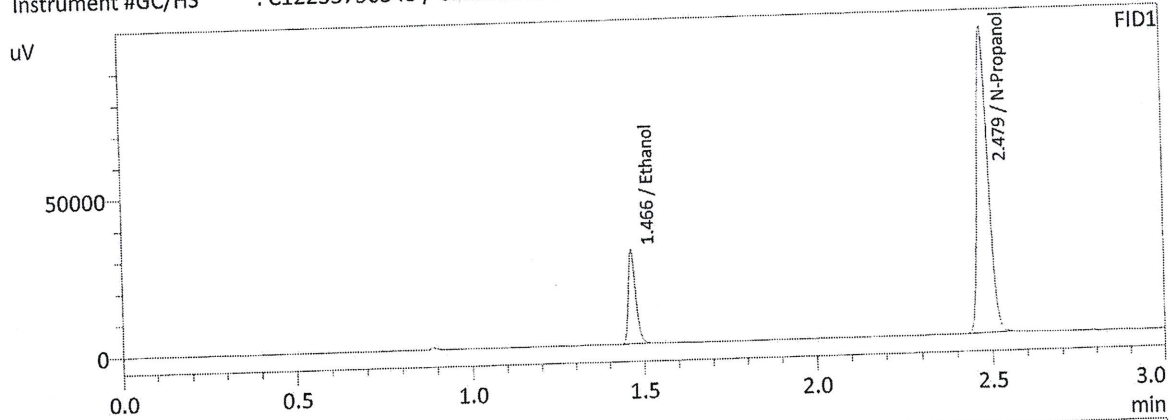


FID1			
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0511	20049	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197363	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2			
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0503	18956	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183905	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

JK

Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 10:57:18 AM  
 Vial # : 2  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



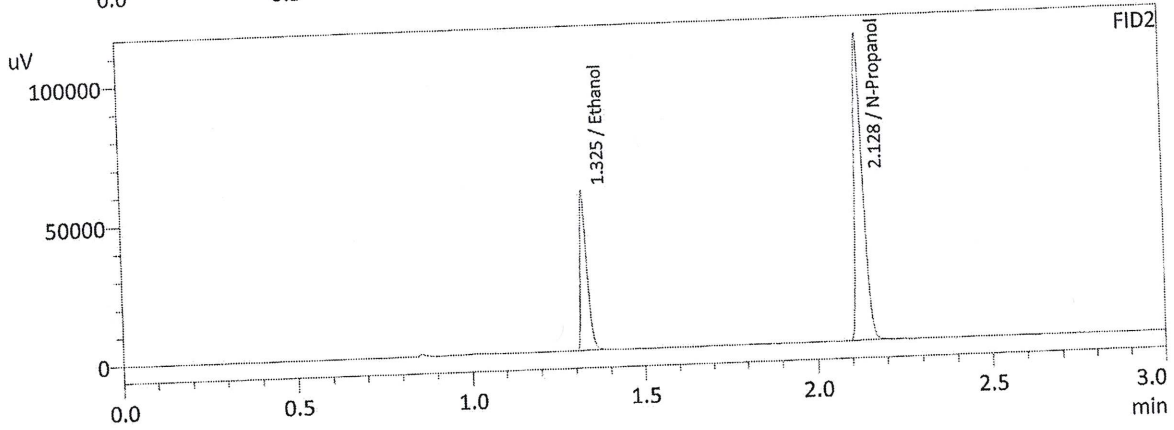
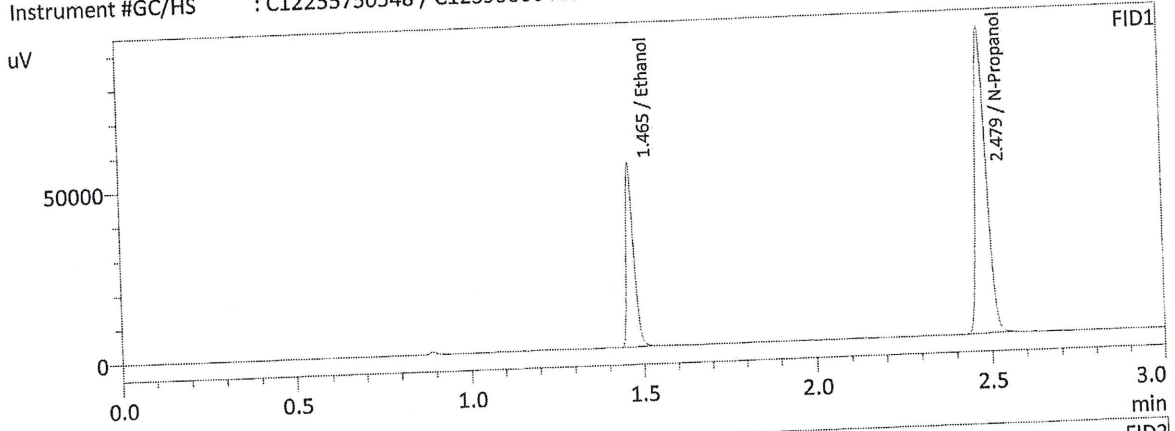
FID1			
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1019	45451	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214420	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2			
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1020	42606	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198981	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

de



Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 11:04:49 AM  
 Vial # : 3  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

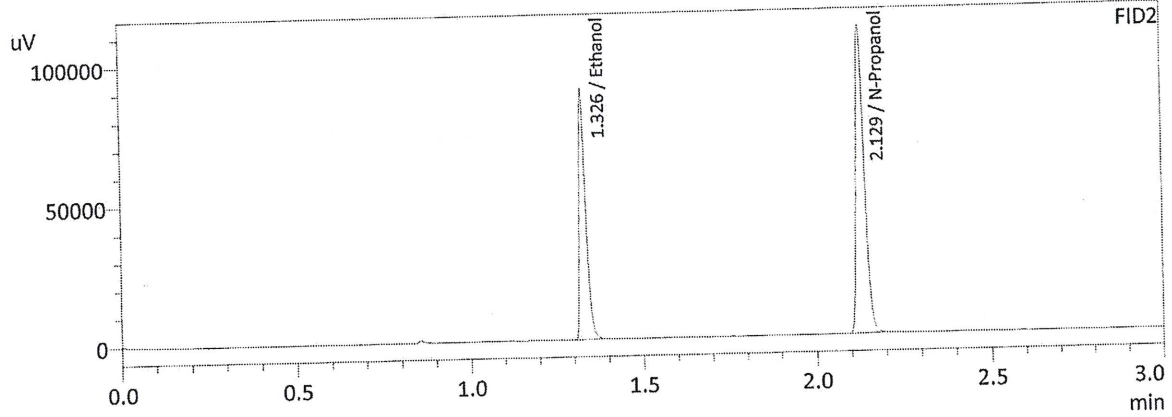
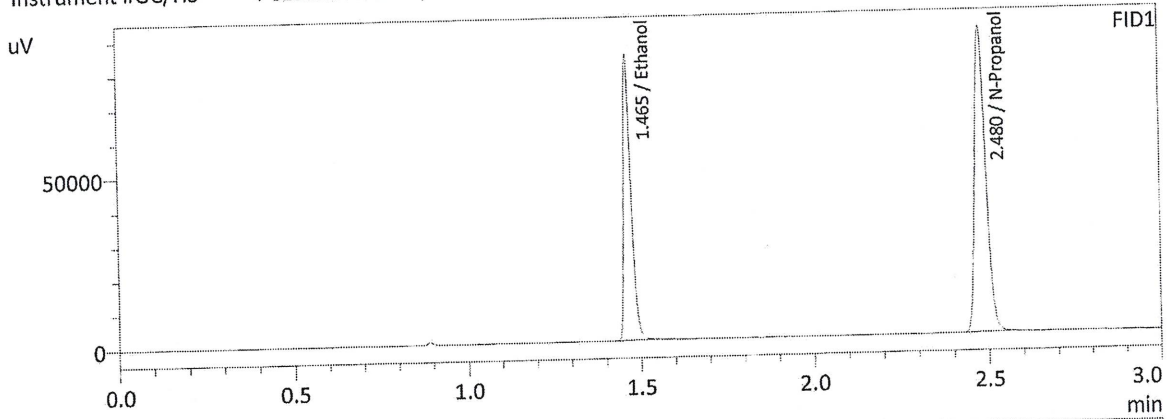
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1951	81616	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196925	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1956	75916	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182760	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

de

Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 11:13:21 AM  
 Vial # : 4  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

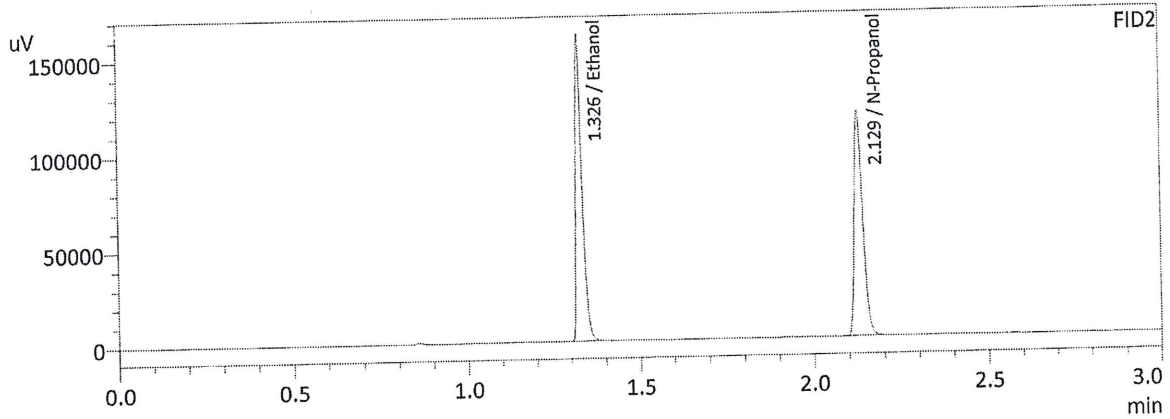
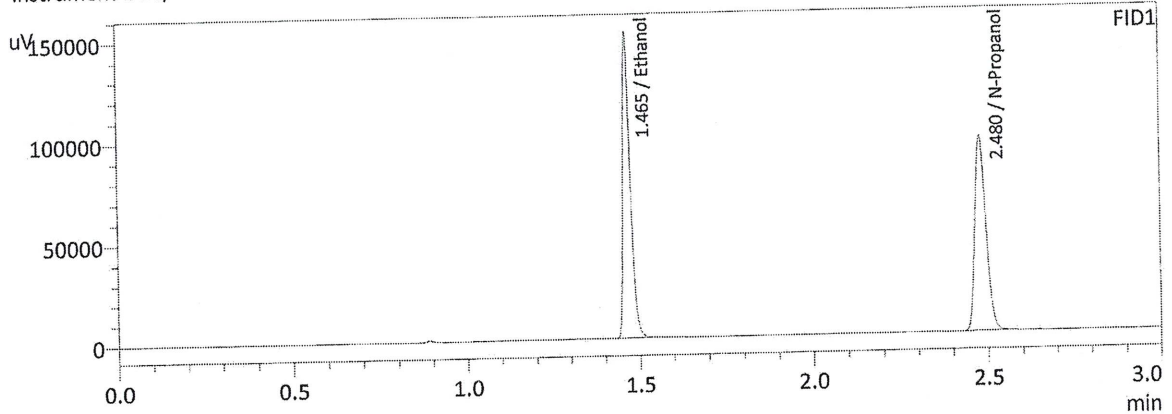
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3007	127205	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197509	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3016	117770	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183042	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

OK

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 11:22:13 AM  
 Vial # : 5  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

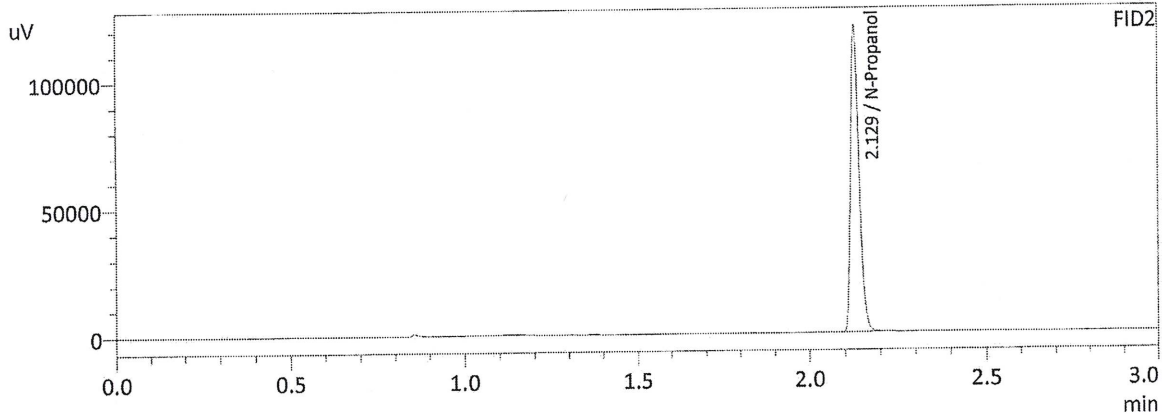
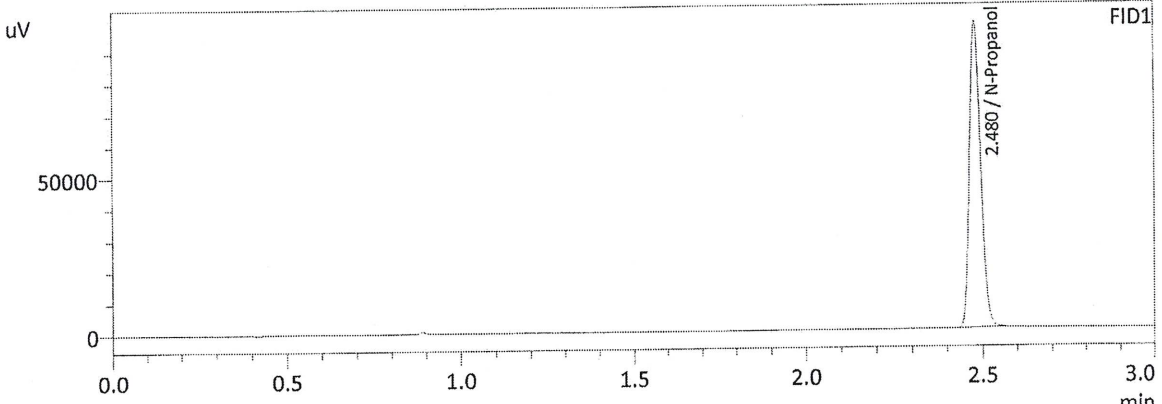
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5010	229076	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212223	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5003	210063	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196187	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

de

Sample Name : INT STD BLNK  
 Laboratory : Meridian  
 Injection Date : 12/17/2021 11:29:37 AM  
 Vial # : 6  
 Method Filename : C:\LabSolutions\Data\211217\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	215123	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	199985	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

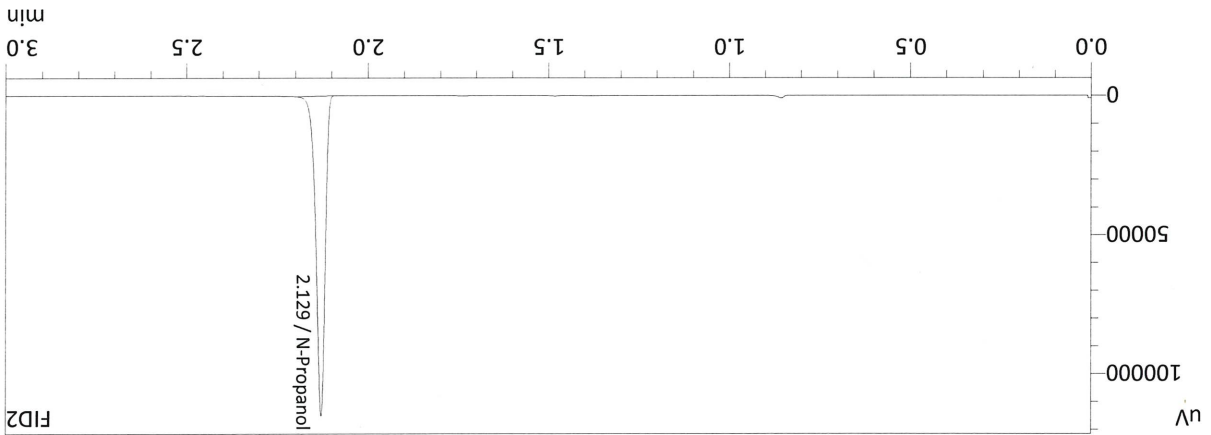
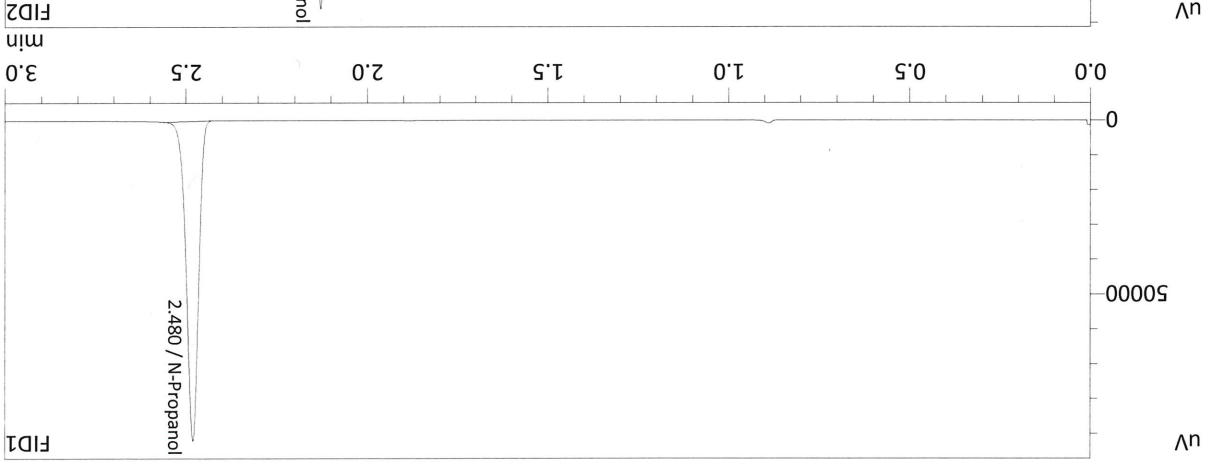
JK

# 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 : 12/20/2021 11:43:05 AM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201790	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

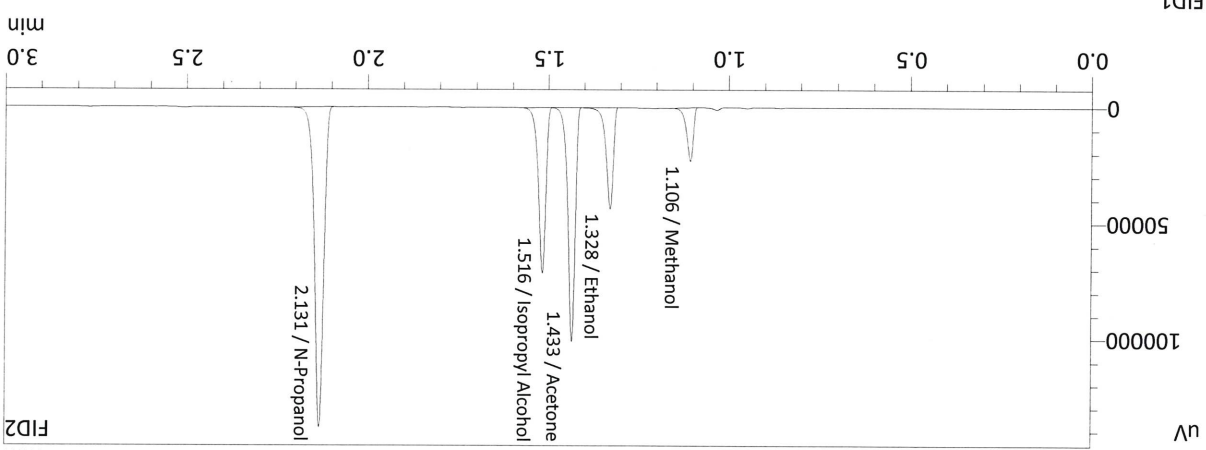
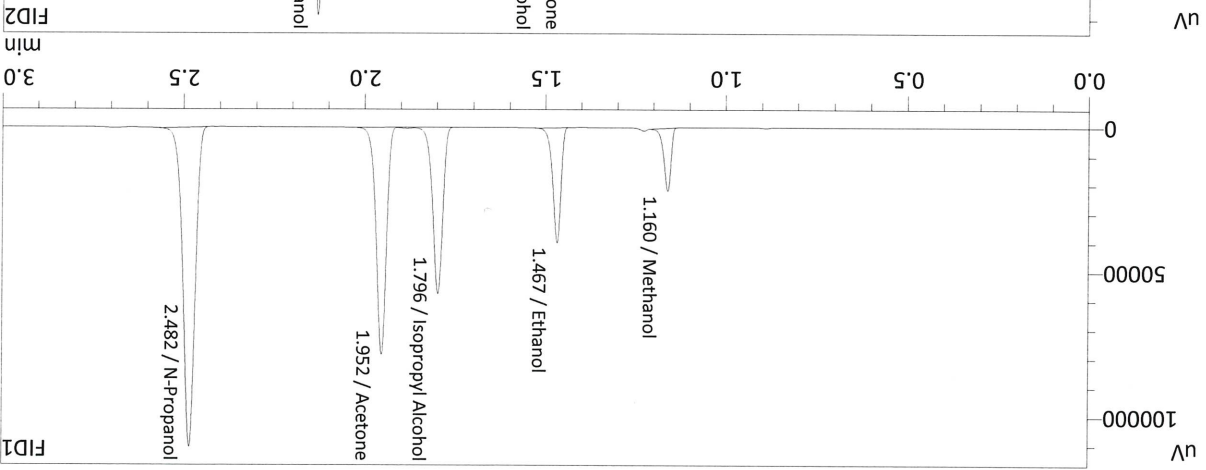
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190901	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

FID1

jc

Sample Name : MIXED VOLATILES FN 07101701  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 11:50:25 AM  
 Vial # : 2  
 Method Filename : C:\labSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	0.0000	29103	g/100cc
Ethanol	0.1193	60675	g/100cc
Isopropyl Alcohol	0.0000	106070	g/100cc
Acetone	0.0000	145254	g/100cc
N-Propanol	0.0000	242842	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Name	Conc.	Area	Unit
Methanol	0.0000	28579	g/100cc
Ethanol	0.1213	58450	g/100cc
Acetone	0.0000	135648	g/100cc
Isopropyl Alcohol	0.0000	99627	g/100cc
N-Propanol	0.0000	228532	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

26

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA

Analysis Date(s): 12/20/21

Sample Results	(g/100cc)	Column 1	Column 2	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
0.0772	0.0788	FID A	FID B	0.0003	0.0770	0.0016	0.0778
0.0769	0.0785	FID B	FID A	0.0003	0.0786		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

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

**Reporting of Results**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

**Reported Result**

0.077

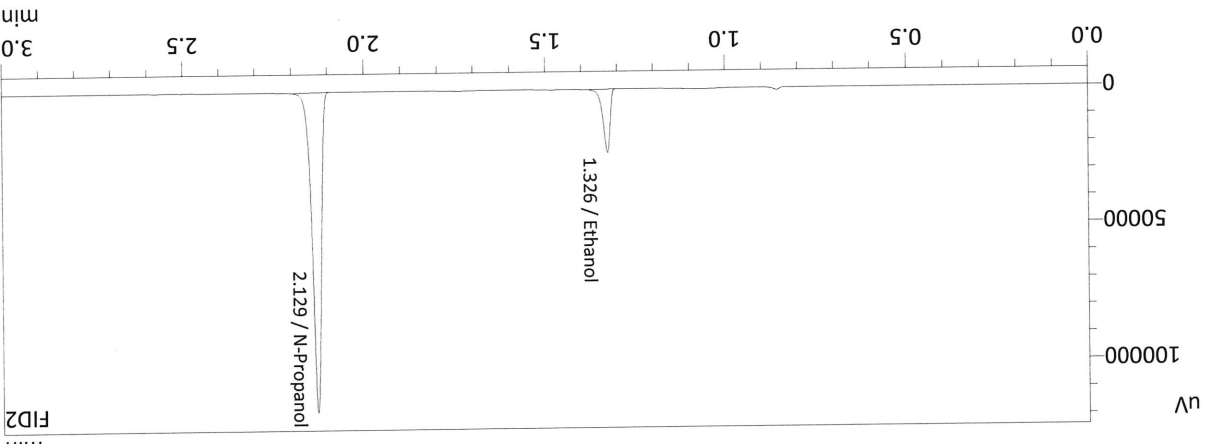
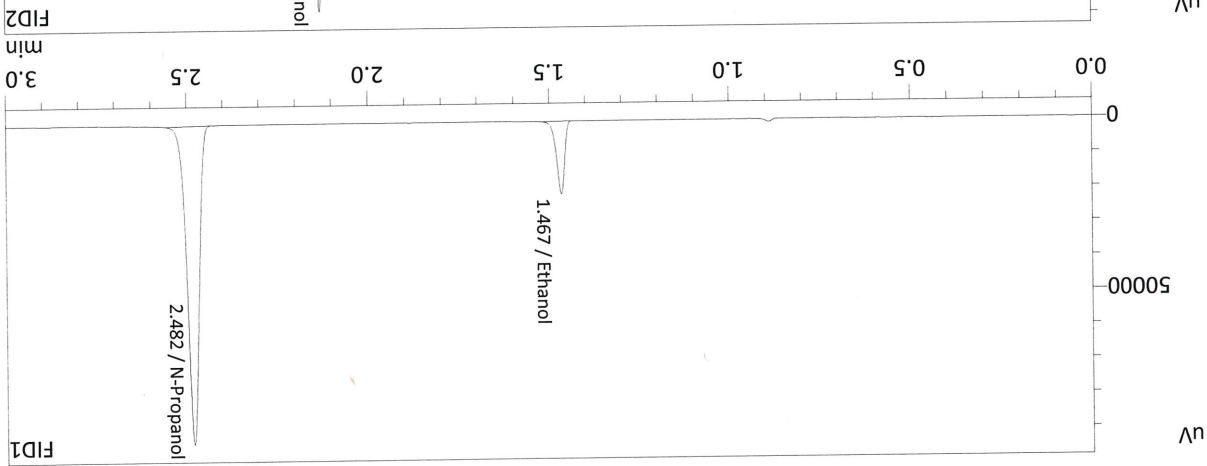
*Calibration and control data are stored centrally.*

30



26

Sample Name : 0.08 QA-A  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 12:14:06 PM  
 Vial # : 5  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

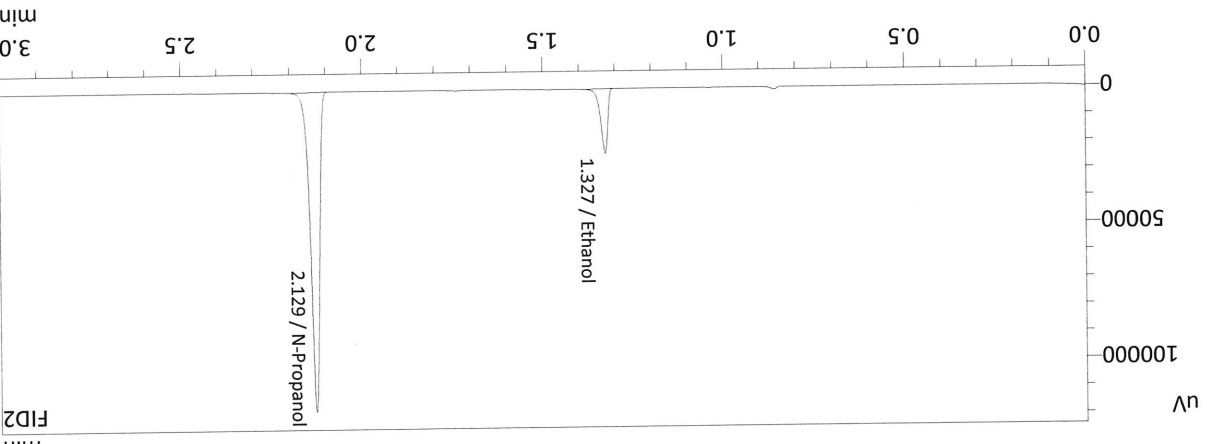
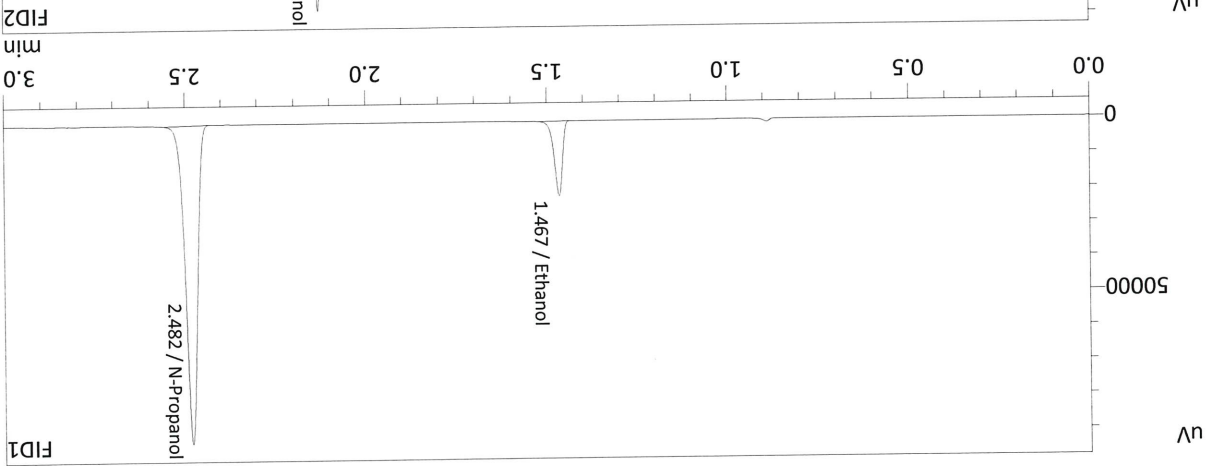
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	32350	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204494	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	30986	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193432	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

26

Sample Name : 0.08 QA-B  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 12:22:37 PM  
 Vial # : 6  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33003	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204203	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	31629	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193287	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QCI-1

Analysis Date(s): 12/20/21

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
(g/100cc)	0.0724	0.0721	0.0003	0.0722	0.0009	0.0727
	0.0733	0.0730	0.0003	0.0731		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

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

Reporting of Results

Overall Mean (g/100cc)	Low	High	5% of Mean
0.072	0.068	0.076	0.004

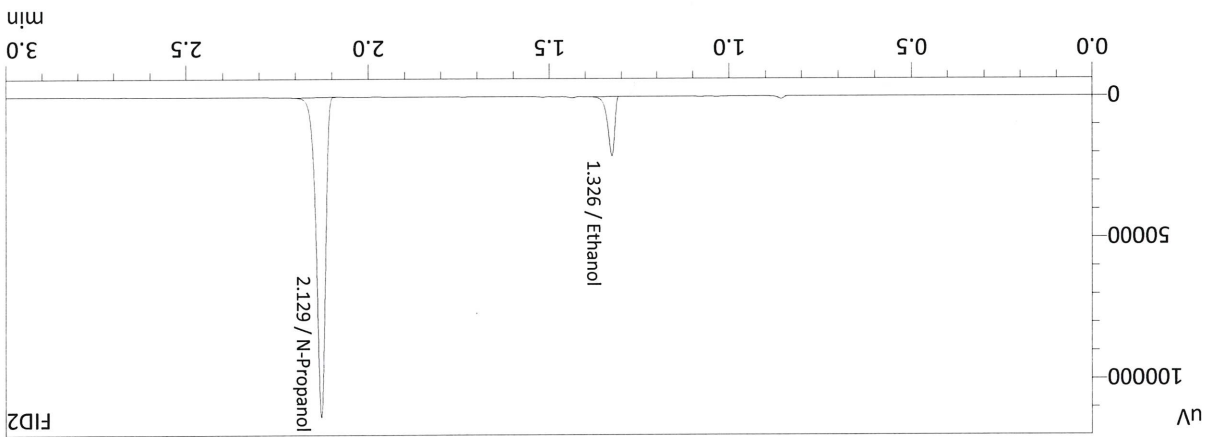
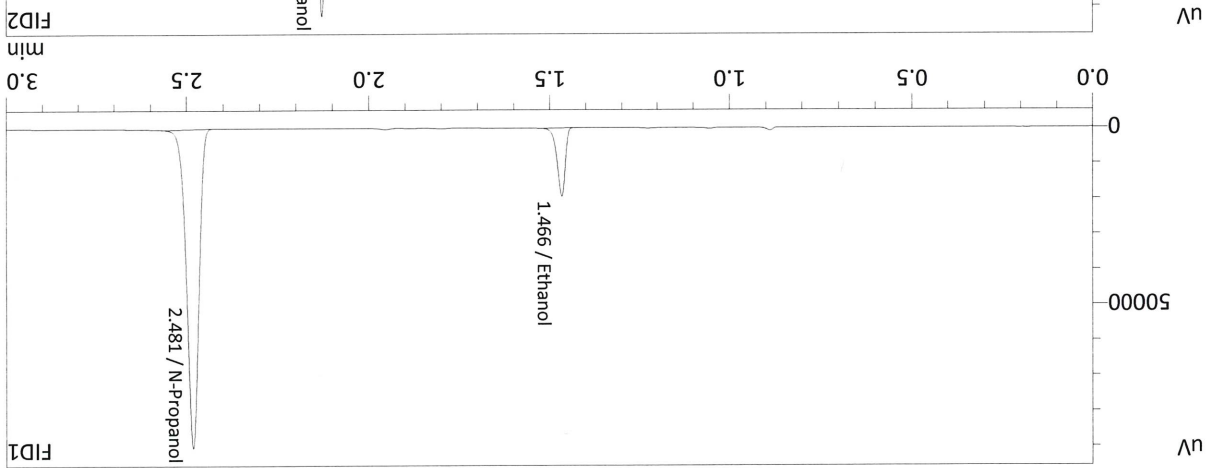
Reported Result

0.072

Calibration and control data are stored centrally.

46

Sample Name : QC-1-1-A  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 11:57:46 AM  
 Vial # : 3  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0724	29351	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198508	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

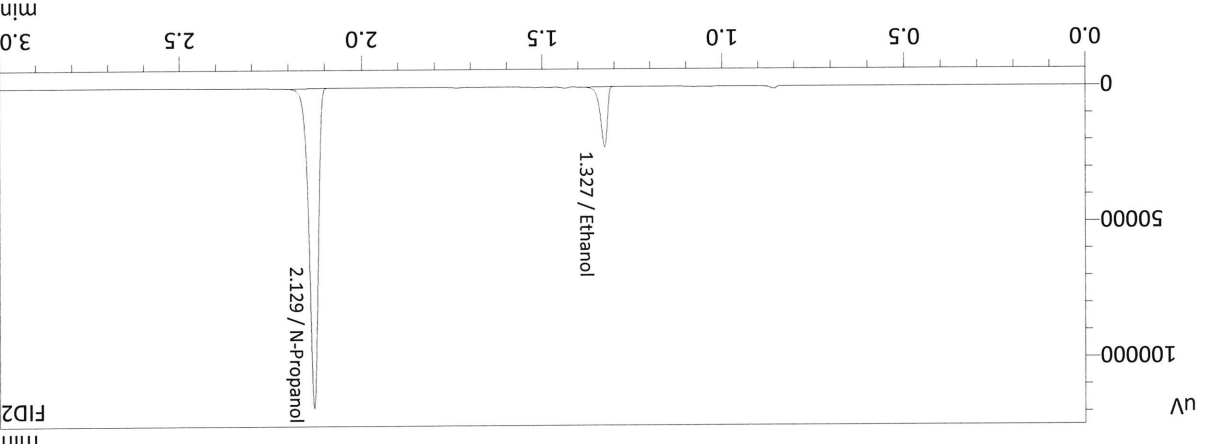
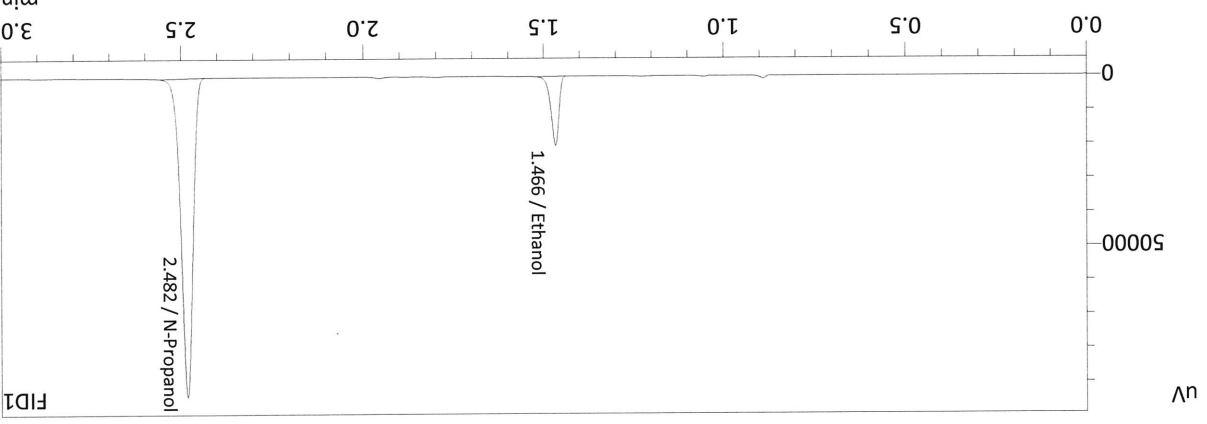
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0721	28135	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187812	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

26

JK

Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 12:06:38 PM  
 Vial # : 4  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0733	30890	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206369	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0730	29626	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195216	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QCI-2

Analysis Date(s): 12/20/21

Sample Results	Column 1	Column 2	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
(g/100cc)	FID A	FID B				
0.0766	0.0756	0.0756	0.0001	0.0756	0.0010	0.0761
0.0767	0.0756	0.0000	0.0756			

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

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

Reported Result

0.076

Calibration and control data are stored centrally.

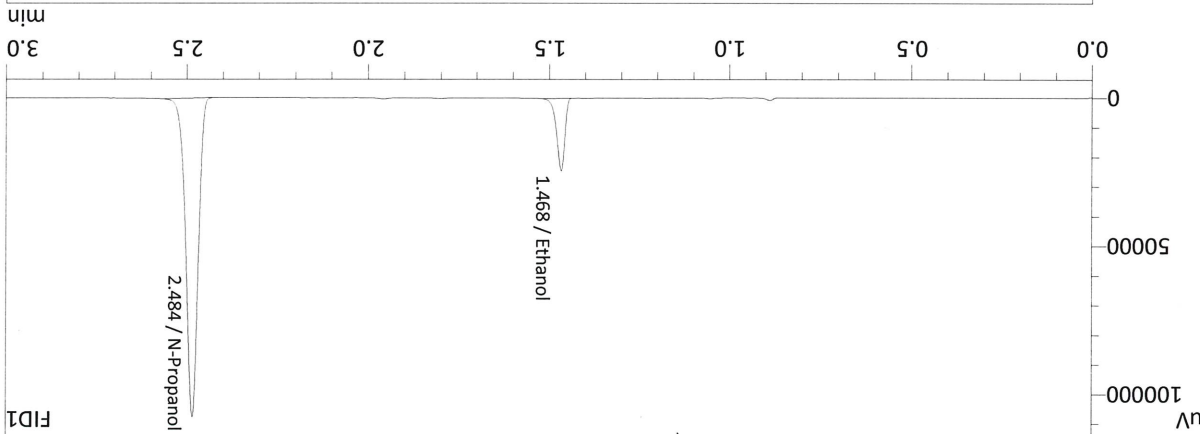
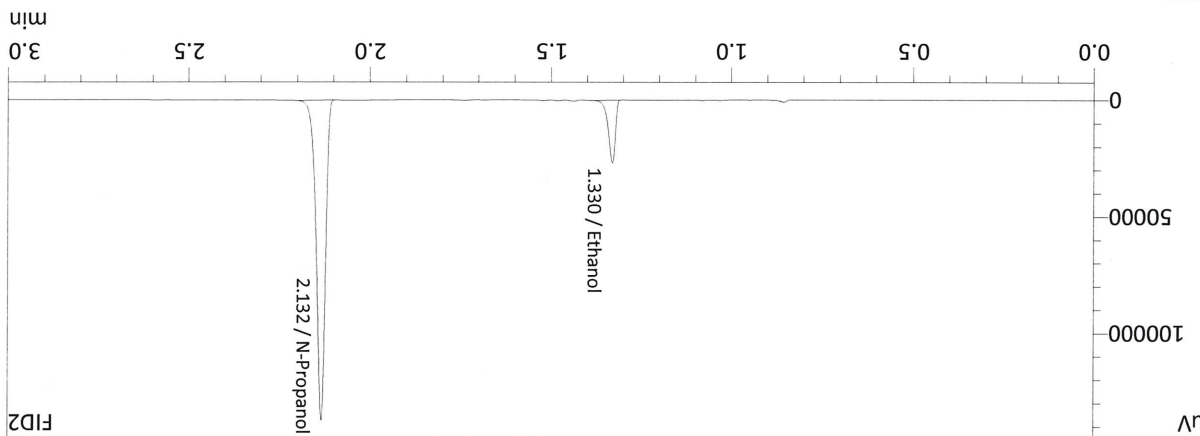
✓

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0767	35944	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225096	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0766	37373	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238027	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

FID1



Sample Name : QC1-2-A  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 4:46:45 PM  
 Vial # : 39  
 Method Filename : C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

Sample Name : QC1-2-B  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 4:54:24 PM  
 Vial # : 40  
 Method Filename : C:\Absolutions\Data\211217\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	37725	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243636	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	36270	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230460	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

FID1



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC2-1  
Analysis Date(s): 12/20/21

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
(g/100cc)	0.2121	0.2132	0.0011	0.2126	0.0015	0.2119
	0.2106	0.2117	0.0011	0.2111		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

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

**Reporting of Results**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

Reported Result

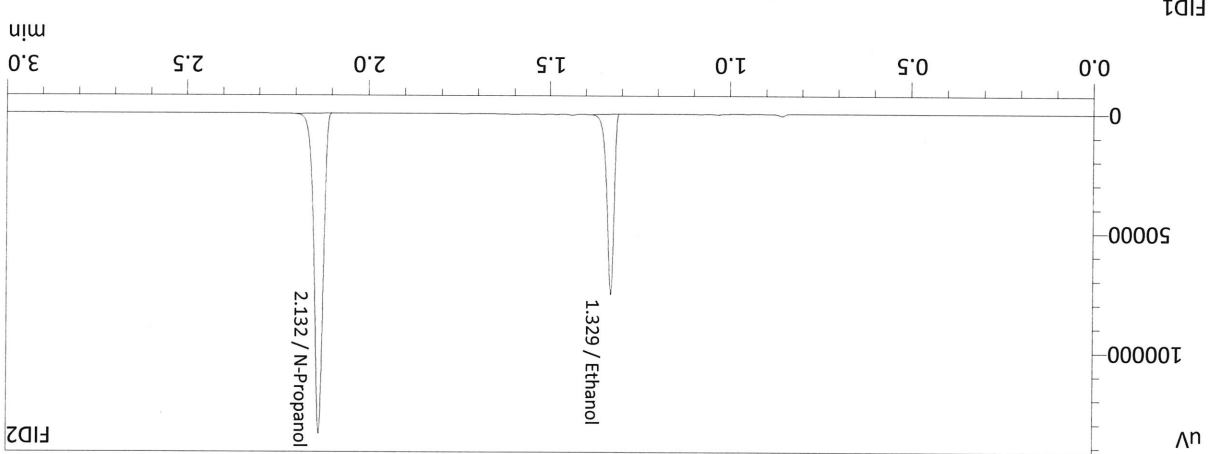
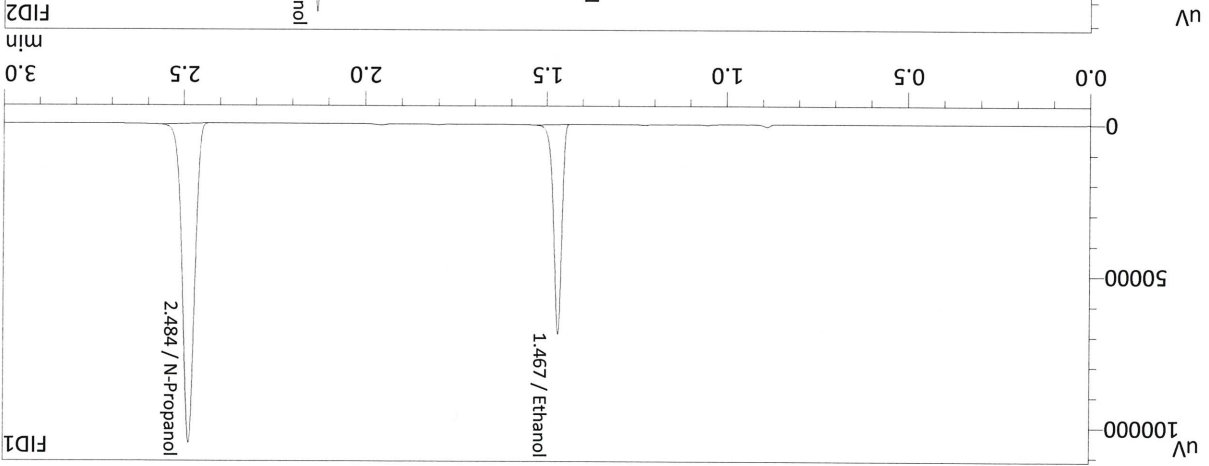
0.211

*Calibration and control data are stored centrally.*

16

26

Sample Name : QC-2-1-A  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 2:52:36 PM  
 Vial # : 25  
 Method Filename : C:\LabSolutions\Data\21121\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	105146	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232843	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2132	99862	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220264	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

FID1

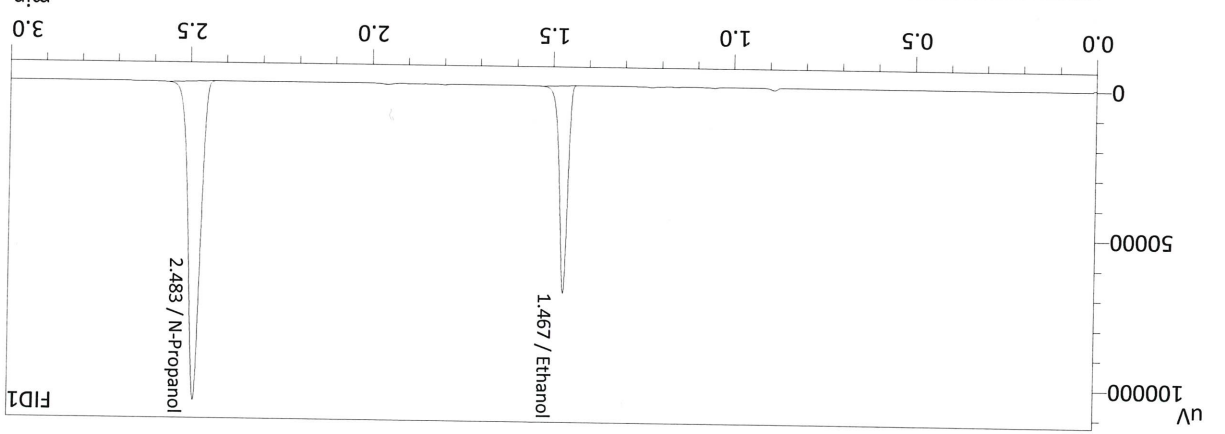
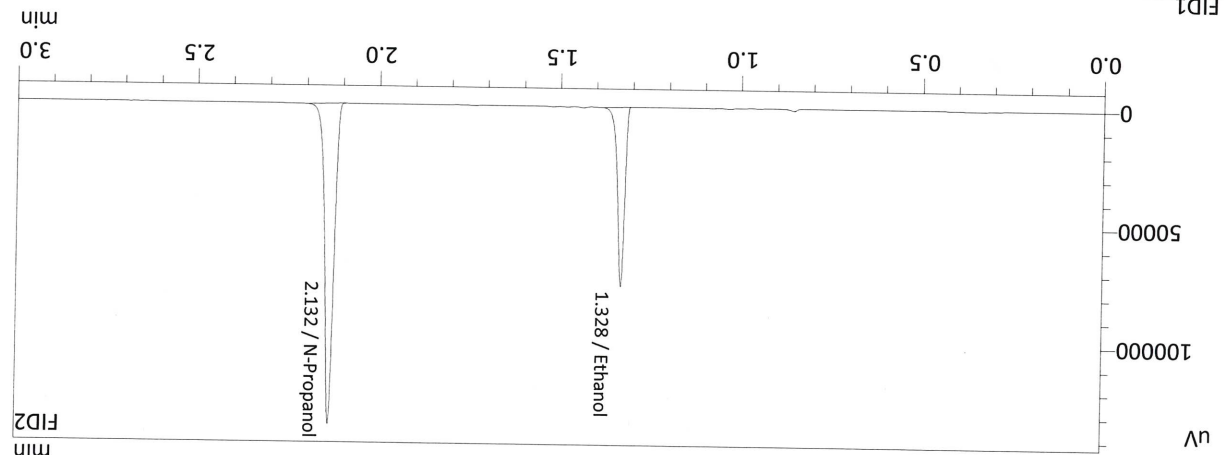
16

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	221990	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.2117	99925	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	235098	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	0.2106	105393	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : QC-2-1-B  
 Laboratory : Meridian  
 Injection Date : 12/20/2021 3:00:48 PM  
 Vial # : 26  
 Method Filename : C:\Labsolutions\Data\21121\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

# 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	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
3	QC-1-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
4	QC-1-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
5	0.08 O-A-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
6	0.08 O-A-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
7	M2021-5361-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
8	M2021-5361-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
9	M2021-5362-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
10	M2021-5362-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
11	M2021-5363-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
12	M2021-5363-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
13	M2021-5397-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
14	M2021-5397-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
15	M2021-5405-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
16	M2021-5405-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
17	M2021-5406-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
18	M2021-5406-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
19	M2021-5429-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
20	M2021-5429-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
21	M2021-5430-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
22	M2021-5430-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
23	M2021-5485-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
24	M2021-5485-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
25	QC-2-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
26	QC-2-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
27	M2021-5486-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
28	M2021-5486-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
29	M2021-5487-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
30	M2021-5487-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
31	M2021-5495-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
32	M2021-5495-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
33	M2021-5503-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
34	M2021-5503-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
35	M2021-5515-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
36	M2021-5515-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
37	P2021-3938-1A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
38	P2021-3938-1B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
39	QC1-2-A	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
40	QC1-2-B	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM
41	INT STD BLNK	C:\LabSolutions\Data\211217\CALIBRATION\ALCOHOL.GCM

26