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): 10/4/21**

Calibration Date: 9/24/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0707 g/100cc
					0.0753 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2072 g/100cc
					0.2064 g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	FN07101701	acceptable
Curve Fit:		**Column 1**	0.99988	**Column2**	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	0.0511	0.0501	0.001	0.0506
100	0.100	0.090 - 0.110	0.0973	0.0972	0.0001	0.0972
200	0.200	0.180 - 0.220	0.2003	0.2013	0.001	0.2008
300	0.300	0.270 - 0.330	0.3022	0.3031	0.0009	0.3026
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4989	0.4980	0.0009	0.4984

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

REVIEWED
By Galina Giso at 3:46 pm, Oct 05, 2021

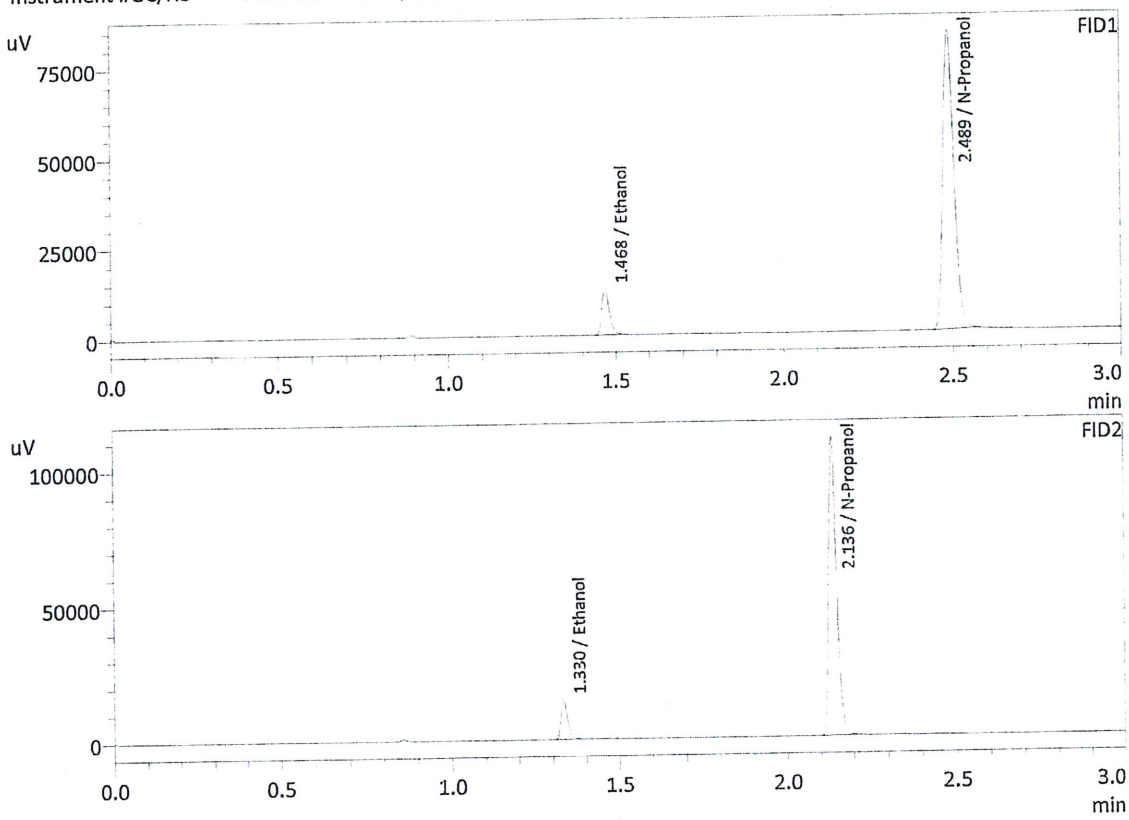
Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

10/5/2021

Worklist: 5272

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-4216	1	BCK	Alcohol Analysis
M2021-4217	1	BCK	Alcohol Analysis
M2021-4225	1	BCK	Alcohol Analysis
M2021-4258	1	BCK	Alcohol Analysis
M2021-4259	1	BCK	Alcohol Analysis
M2021-4264	1	BCK	Alcohol Analysis
M2021-4265	1	BCK	Alcohol Analysis
M2021-4273	1	BCK	Alcohol Analysis
M2021-4279	1	BCK	Alcohol Analysis
M2021-4290	1	BCK	Alcohol Analysis
M2021-4291	1	BCK	Alcohol Analysis
M2021-4292	1	BCK	Alcohol Analysis
M2021-4303	1	BCK	Alcohol Analysis
M2021-4304	1	BCK	Alcohol Analysis
M2021-4377	1	BCK	Alcohol Analysis
M2021-4378	1	BCK	Alcohol Analysis
M2021-4379	1	BCK	Alcohol Analysis
M2021-4380	1	BCK	Alcohol Analysis
M2021-4381	1	BCK	Alcohol Analysis
M2021-4386	1	BCK	Alcohol Analysis
P2021-3065	1	BCK	Alcohol Analysis

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 9/24/2021 3:01:35 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

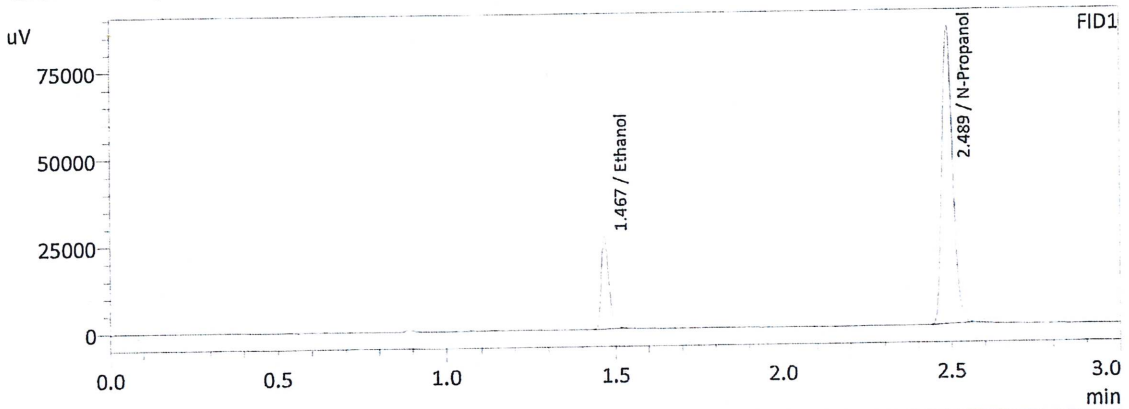
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0511	20302	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186201	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

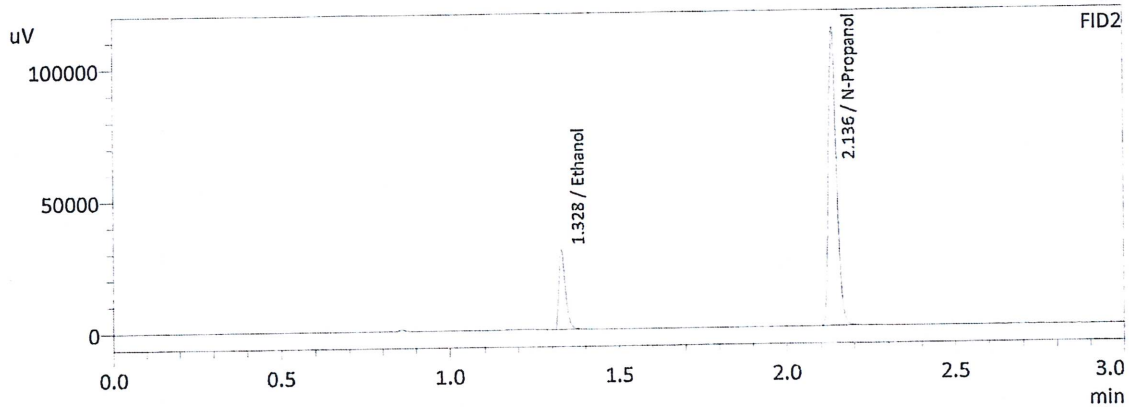
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0501	20360	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182324	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/24/2021 3:08:54 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





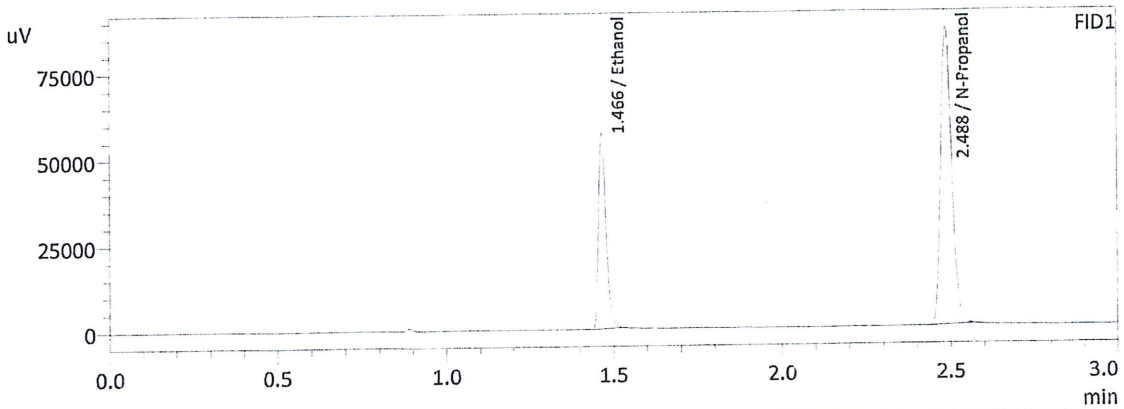
FID1

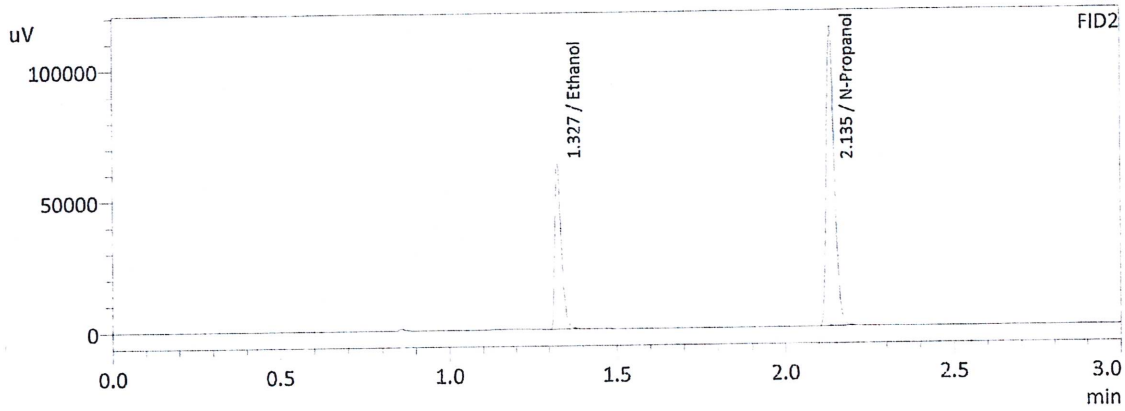
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0973	41082	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192428	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0972	40395	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187566	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 9/24/2021 3:16:15 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

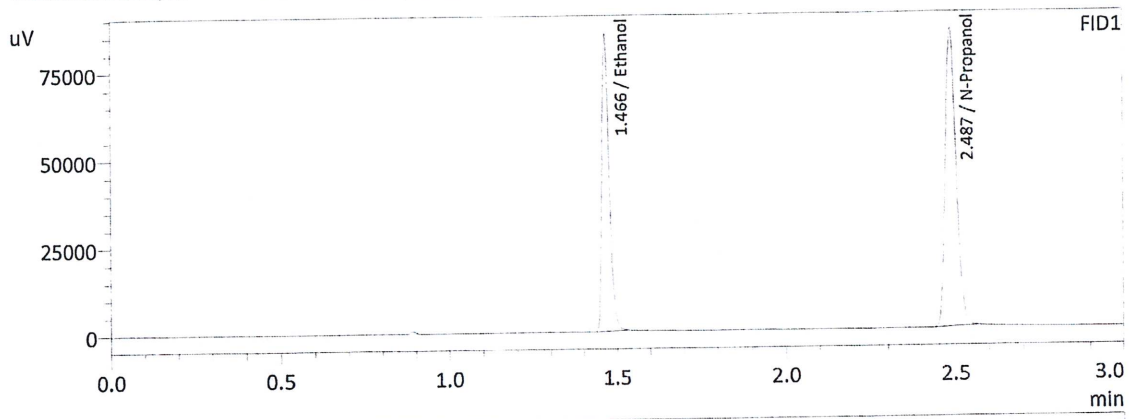
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2003	87010	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194844	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

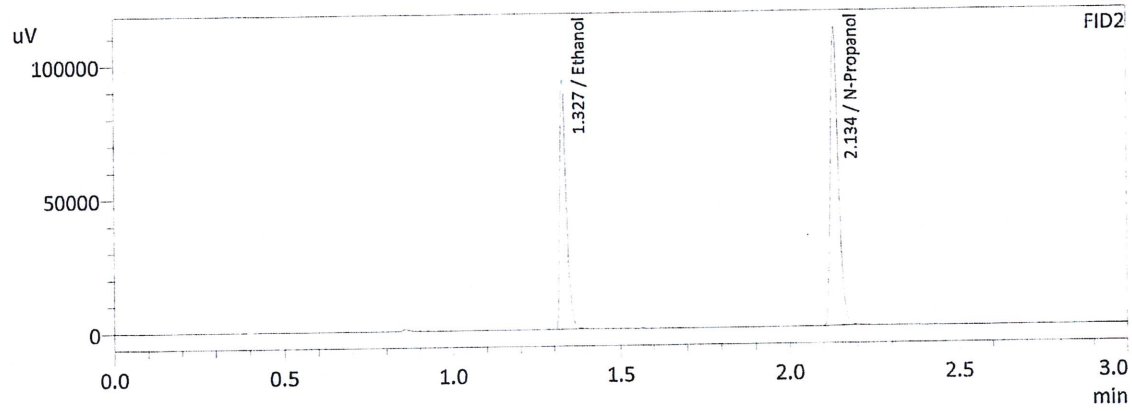
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2013	83873	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188835	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/24/2021 3:25:06 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

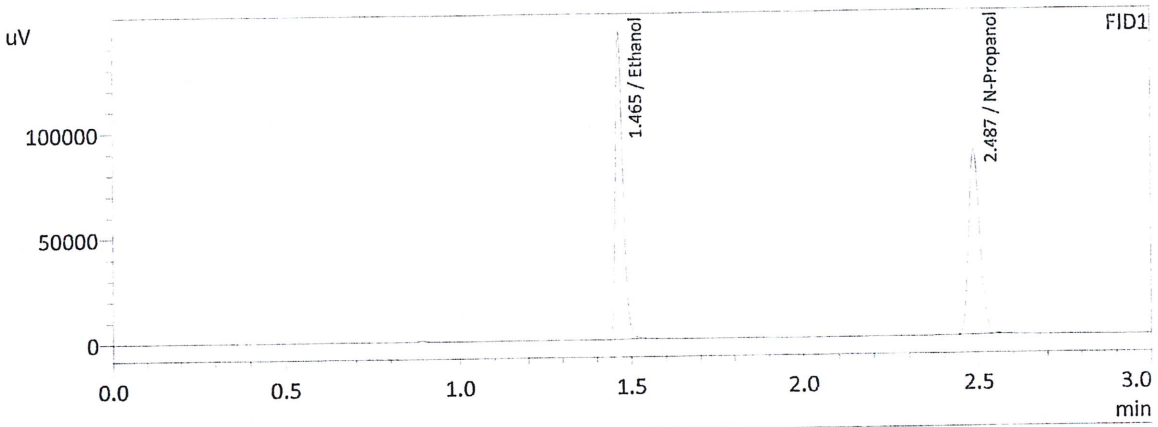
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3022	129260	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190942	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

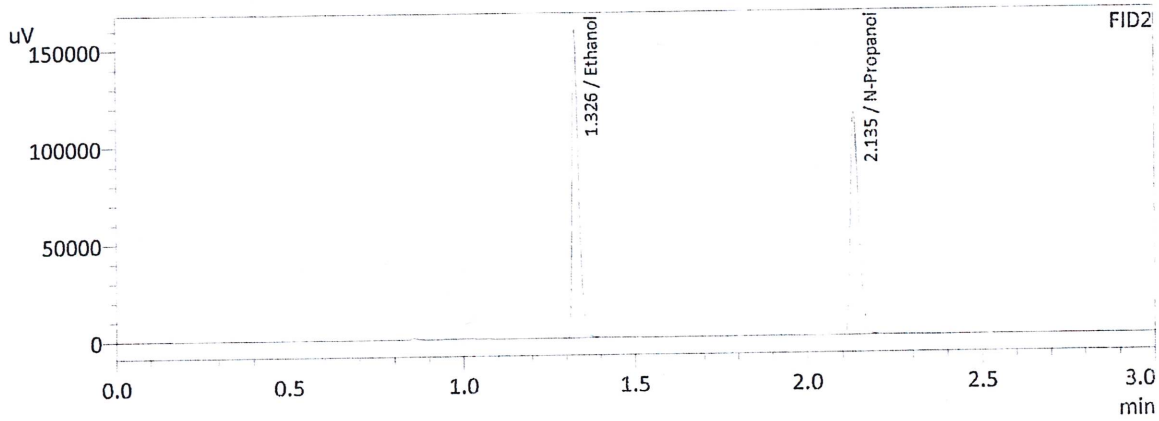
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3031	123191	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184434	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/24/2021 3:32:39 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

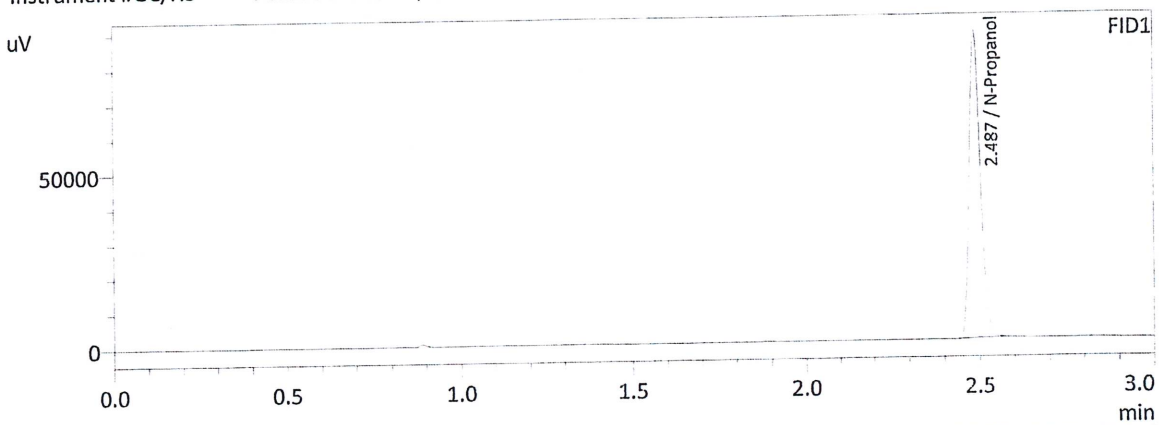
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4989	221445	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197412	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

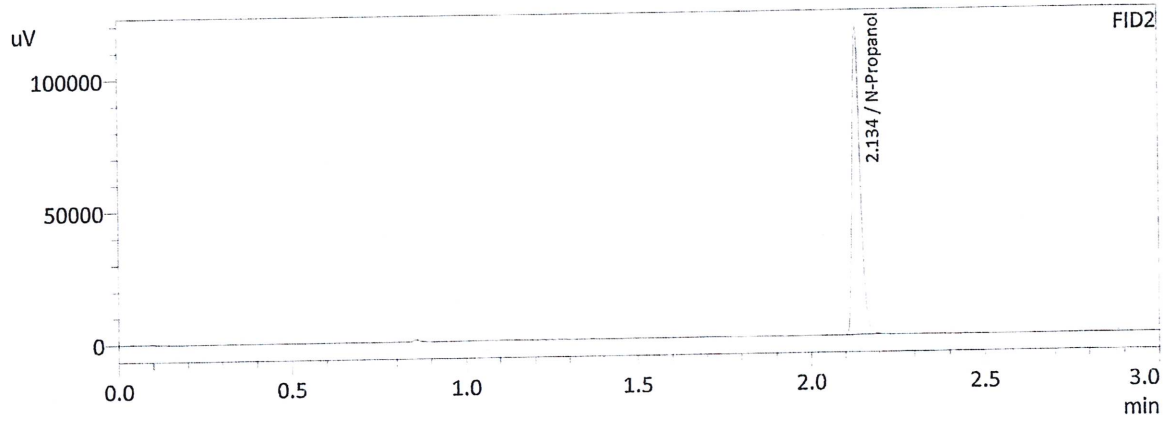
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4980	207935	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189644	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JU

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 9/24/2021 3:41:07 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210924\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	197246	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

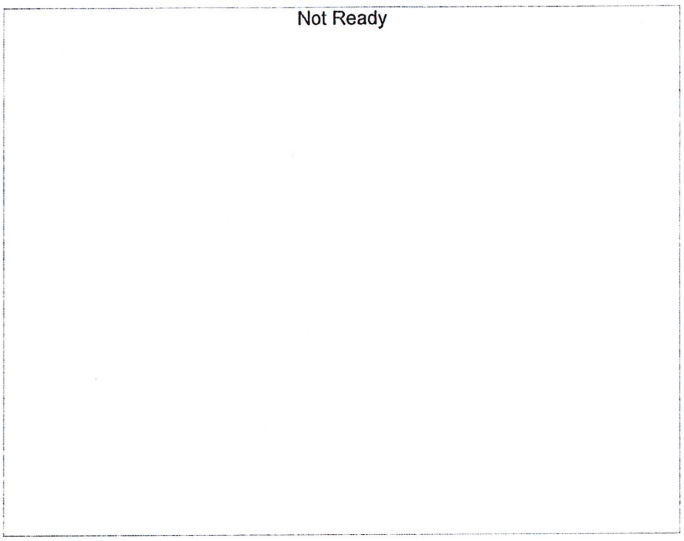
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192028	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

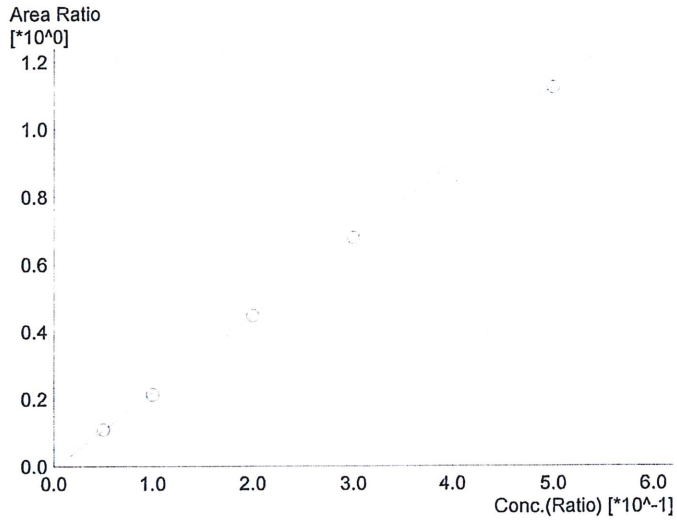
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\210924\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :9/24/2021 3:32:39 PM
Date Created :9/24/2021 3:28:16 PM
Date Modified :9/24/2021 3:35:41 PM



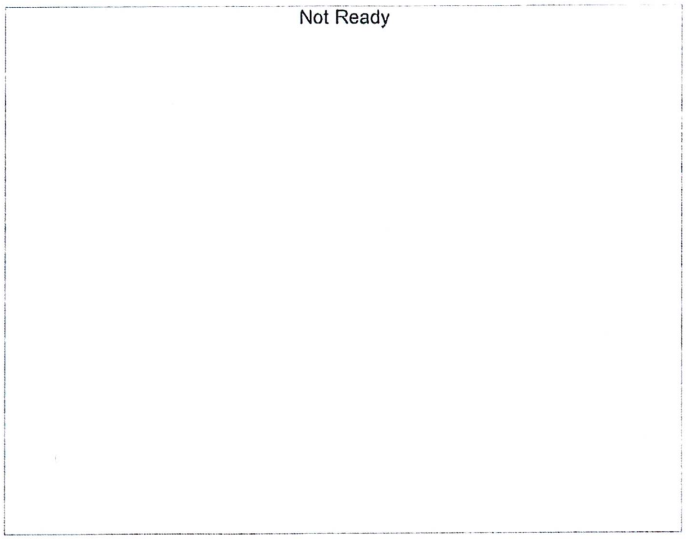
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



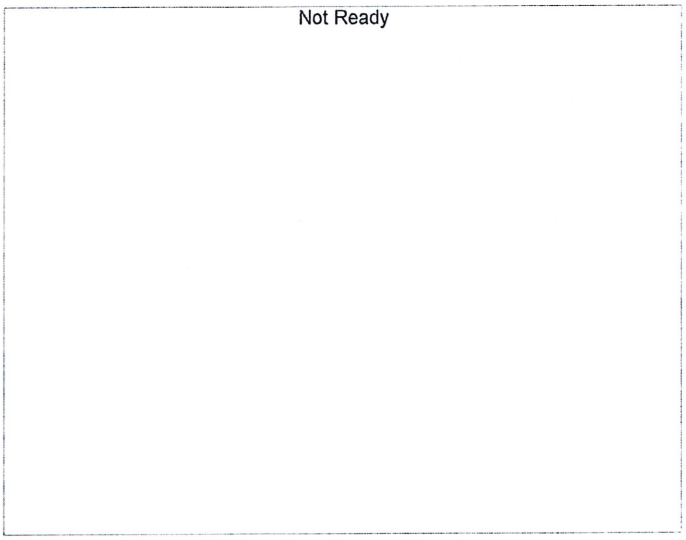
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.26156*x-0.00660280
R^2 value= 0.9998841
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20302	0.0511
2	0.100	41082	0.0973
3	0.200	87010	0.2003
4	0.300	129260	0.3022
5	0.500	221445	0.4989



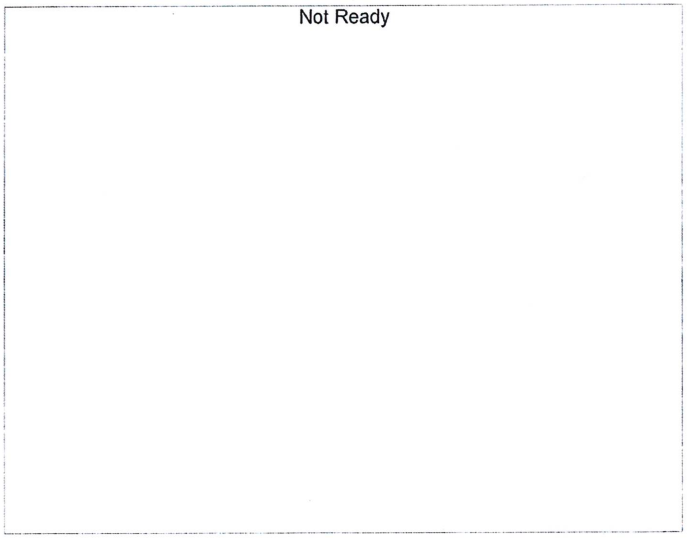
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



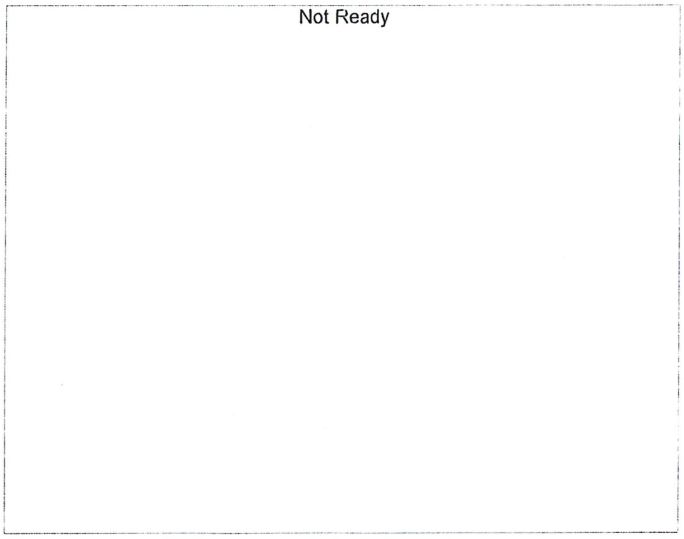
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



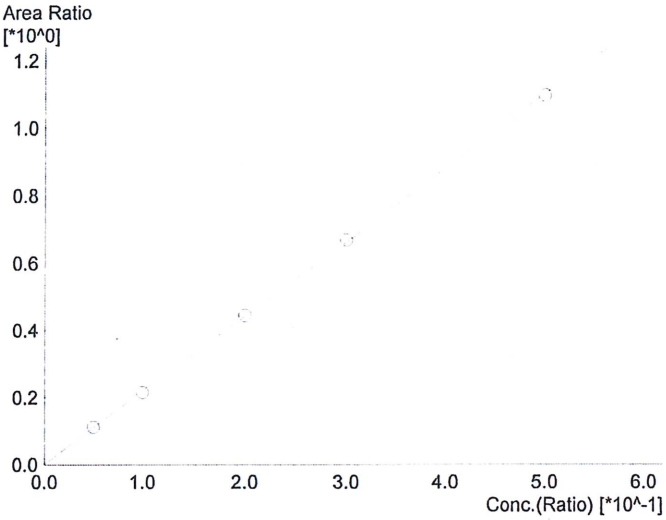
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



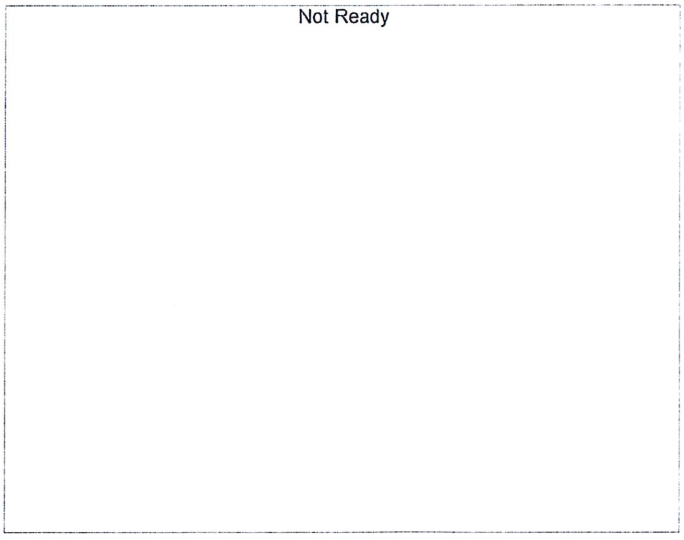
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



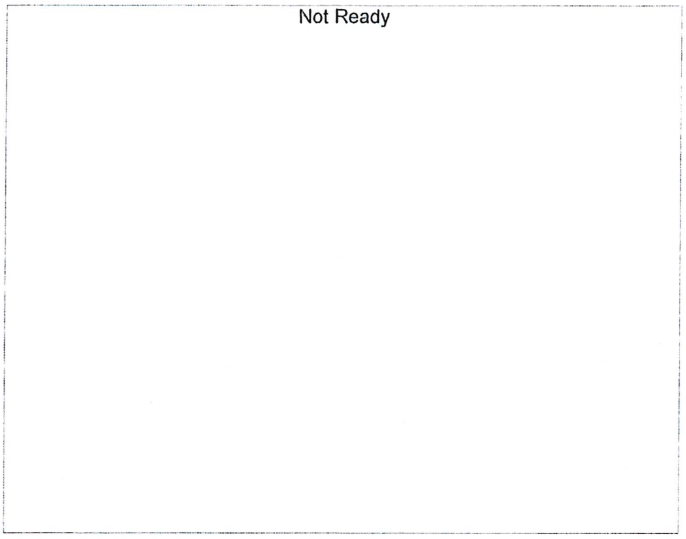
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.19823*x+0.00152408
R^2 value= 0.9998211
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20360	0.0501
2	0.100	40395	0.0972
3	0.200	83873	0.2013
4	0.300	123191	0.3031
5	0.500	207935	0.4980



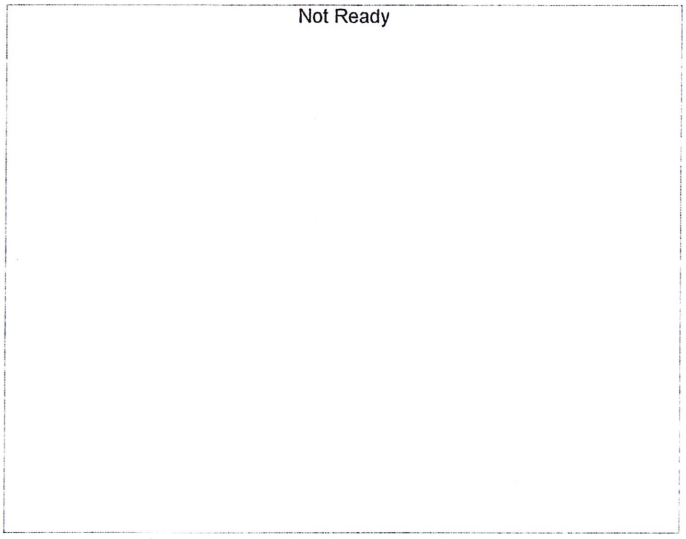
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

JC

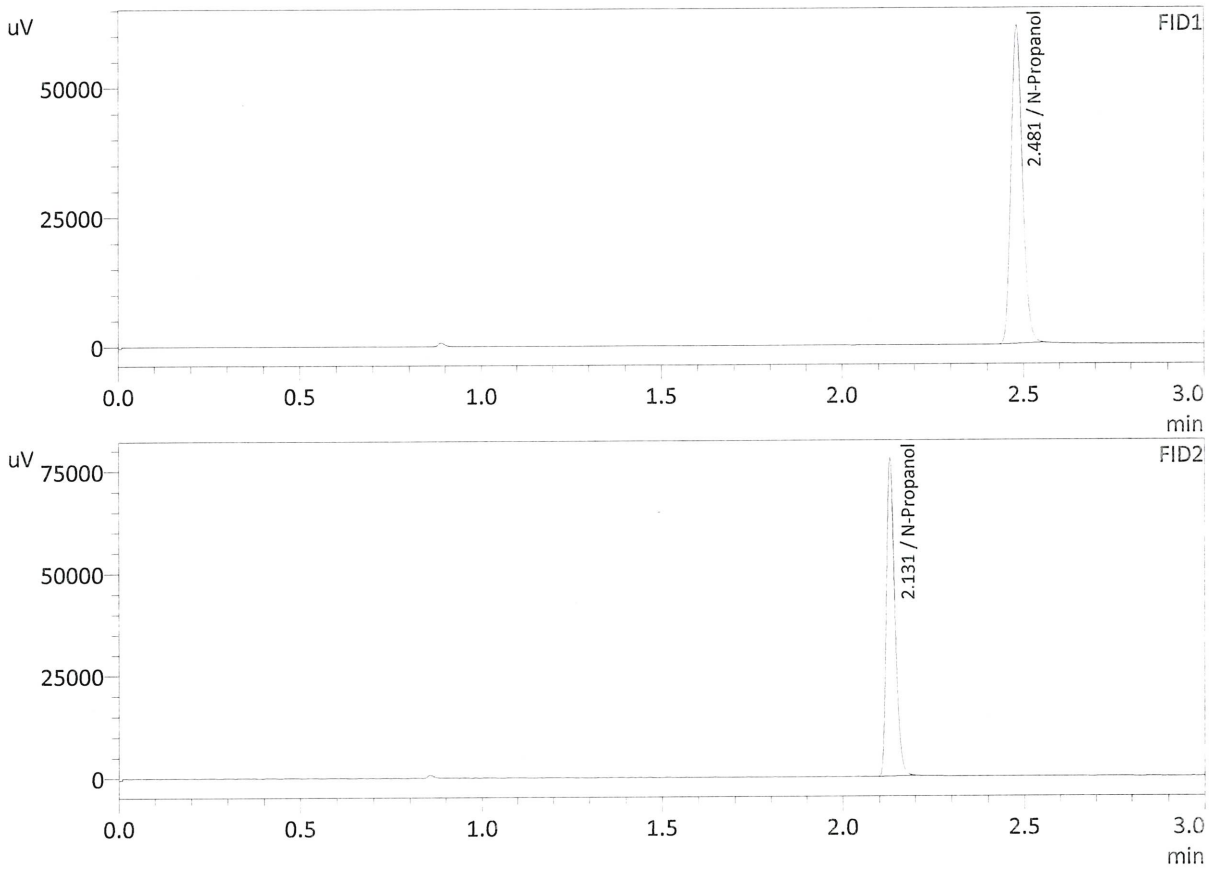
Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

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

JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 10/4/2021 3:26:10 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

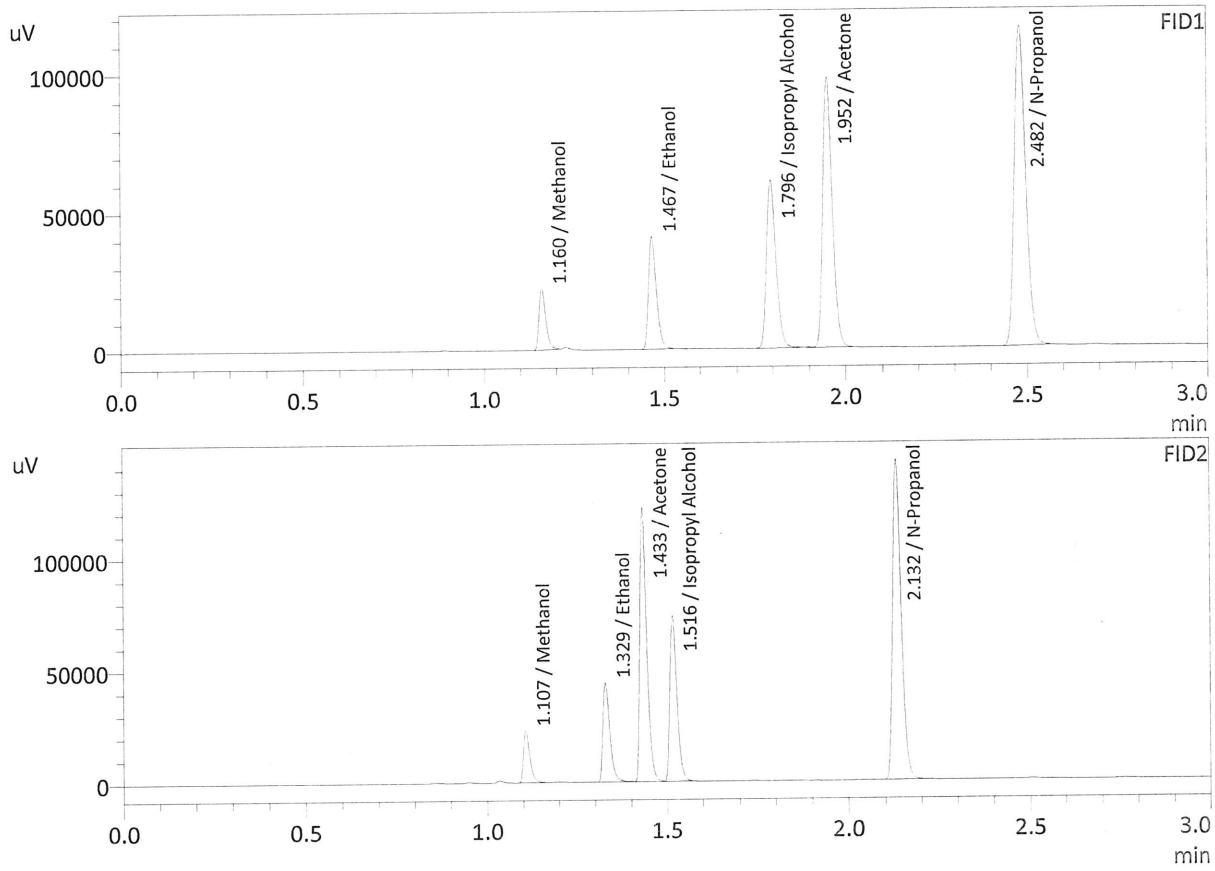
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	135517	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	129356	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 10/4/2021 3:33:30 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	29721	g/100cc
Ethanol	0.1113	62057	g/100cc
Isopropyl Alcohol	0.0000	111985	g/100cc
Acetone	0.0000	179829	g/100cc
N-Propanol	0.0000	253176	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	28690	g/100cc
Ethanol	0.1134	59171	g/100cc
Acetone	0.0000	164109	g/100cc
Isopropyl Alcohol	0.0000	103322	g/100cc
N-Propanol	0.0000	235917	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Analysis Date(s): 10/4/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0708	0.0700	0.0008	0.0704	0.0006	0.0707
(g/100cc)	0.0713	0.0707	0.0006	0.0710		

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

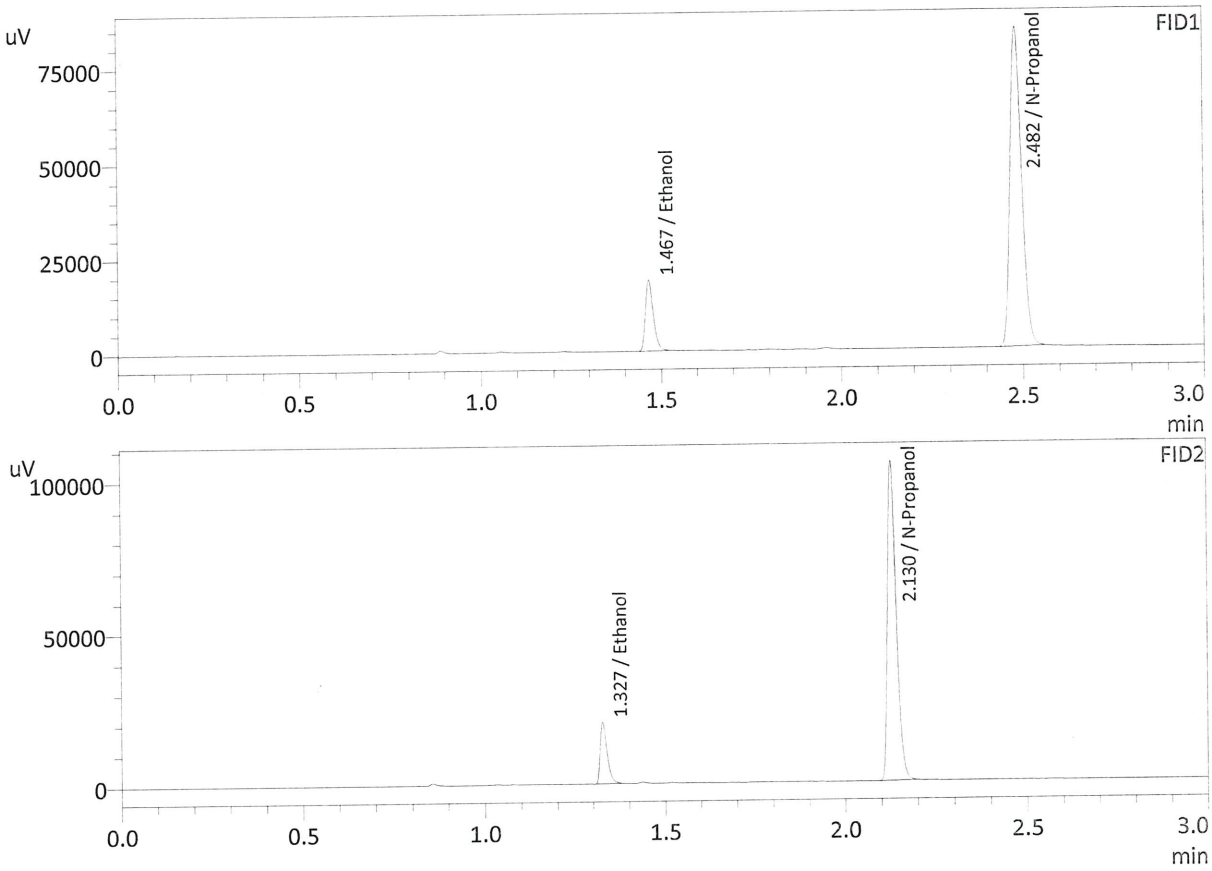
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.070	**0.066**	**0.074**	**0.004**

	Reported Result	
	0.070	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 10/4/2021 3:40:53 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

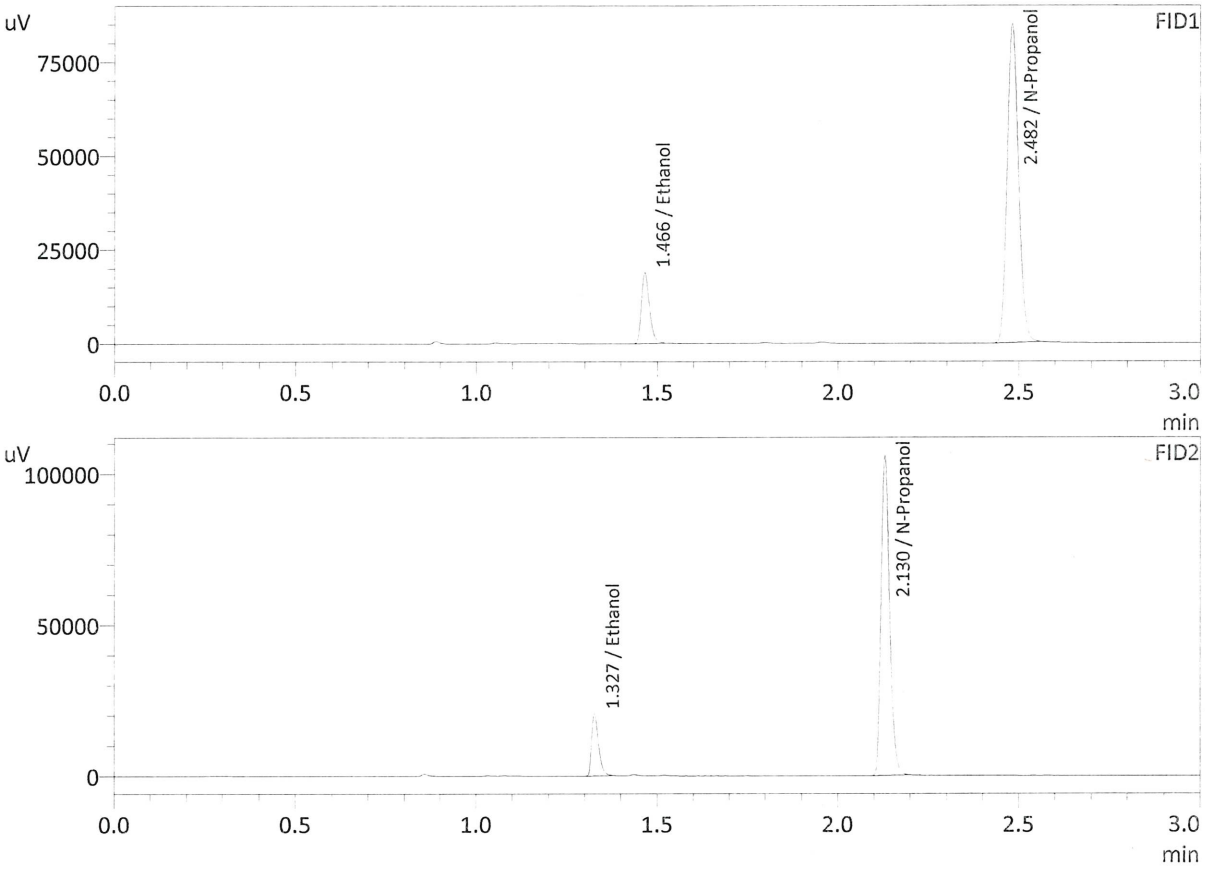
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0708	28467	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185284	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0700	27156	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	174644	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 10/4/2021 3:49:48 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0713	28906	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186805	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0707	27614	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175950	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 10/4/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0787	0.0004	0.0789	0.0017	0.0797
(g/100cc)	0.0808	0.0805	0.0003	0.0806		

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
0.079	**0.075**	**0.083**	**0.004**

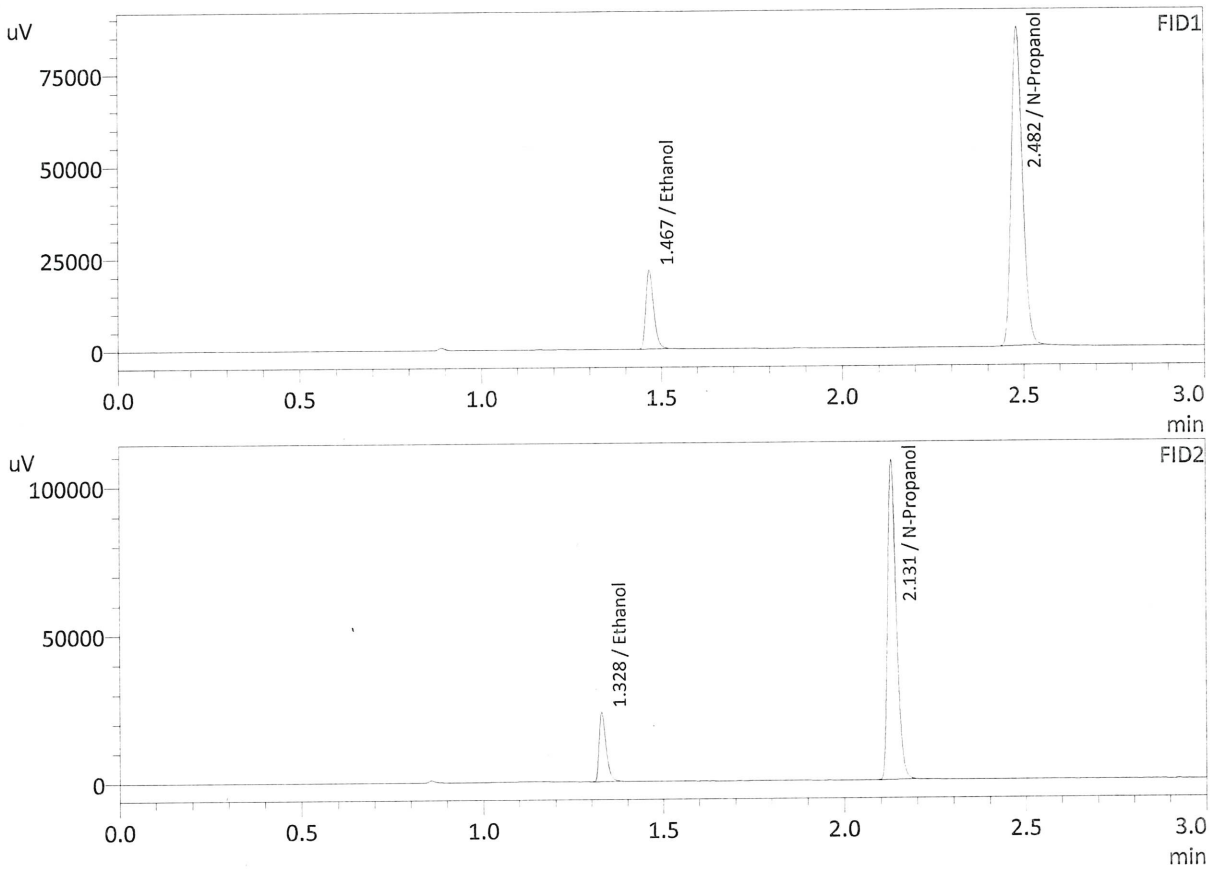
Reported Result

0.079

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 10/4/2021 3:57:12 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

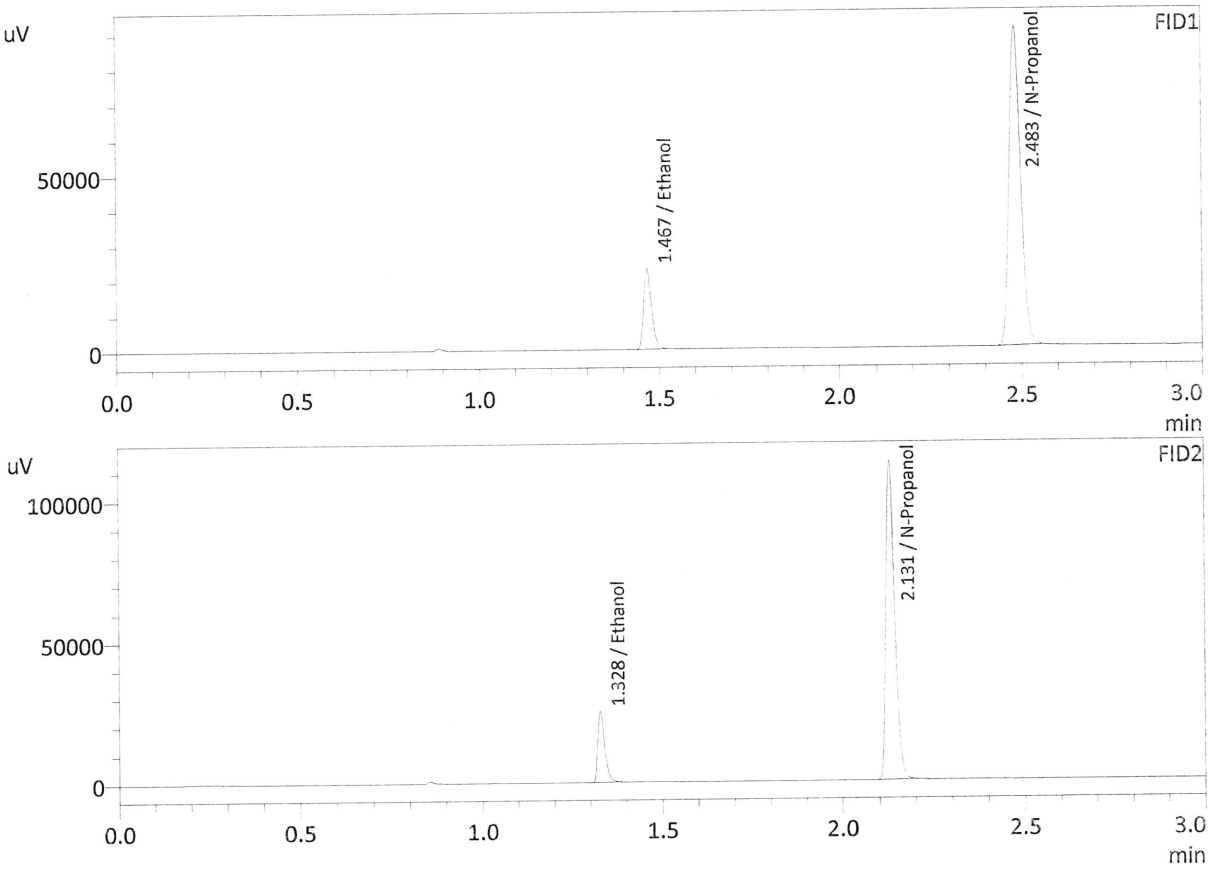
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	32793	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190298	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	31278	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	179175	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 10/4/2021 4:05:29 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	35172	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199640	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	33527	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187735	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 10/4/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2052	0.2087	0.0035	0.2069	0.0006	0.2072
(g/100cc)	0.2061	0.2089	0.0028	0.2075		

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%**

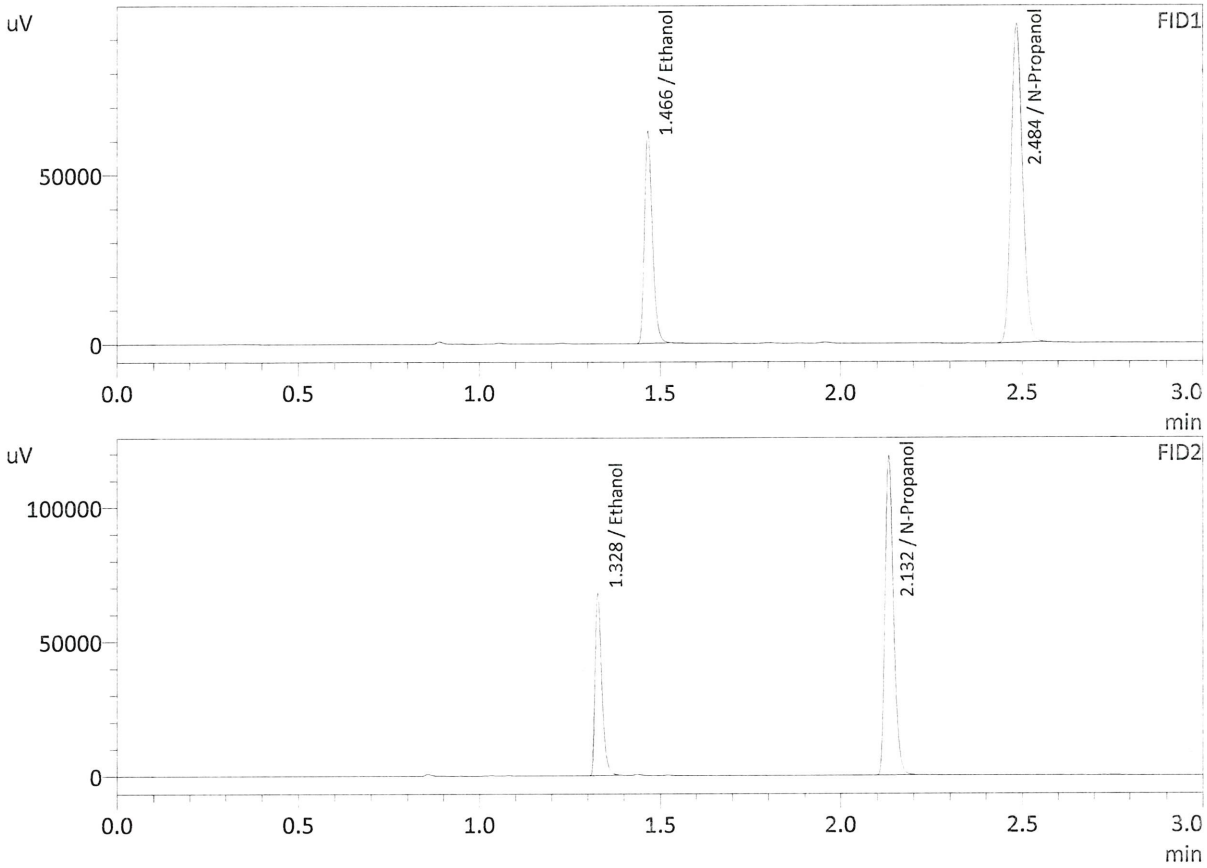
Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	**0.196**	**0.218**	**0.011**

Reported Result

0.207

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 10/4/2021 6:36:06 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

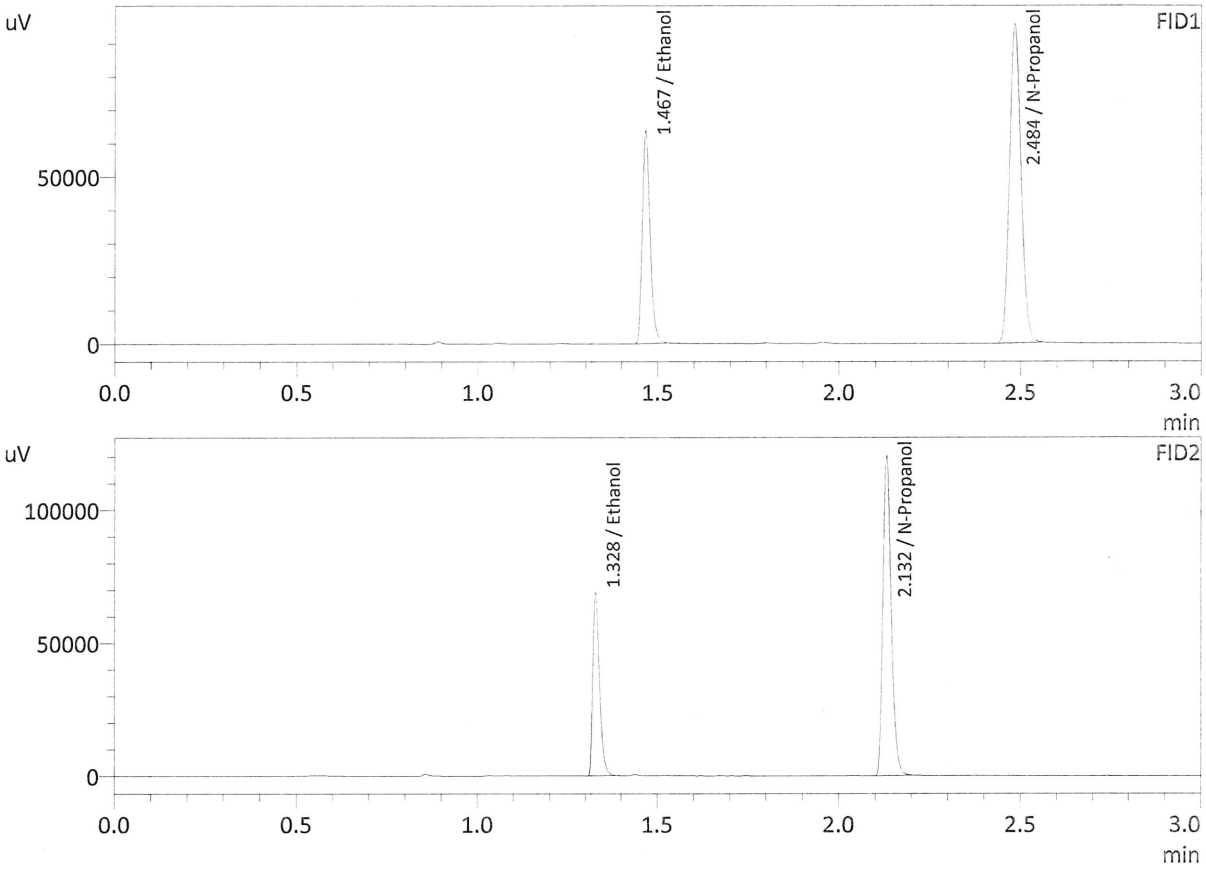
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2052	95569	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208890	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2087	90045	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195561	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 10/4/2021 6:44:04 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2061	97152	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211383	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2089	91152	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197768	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 10/4/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0760	0.0758	0.0002	0.0759	0.0011	0.0753
(g/100cc)	0.0749	0.0748	0.0001	0.0748		

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

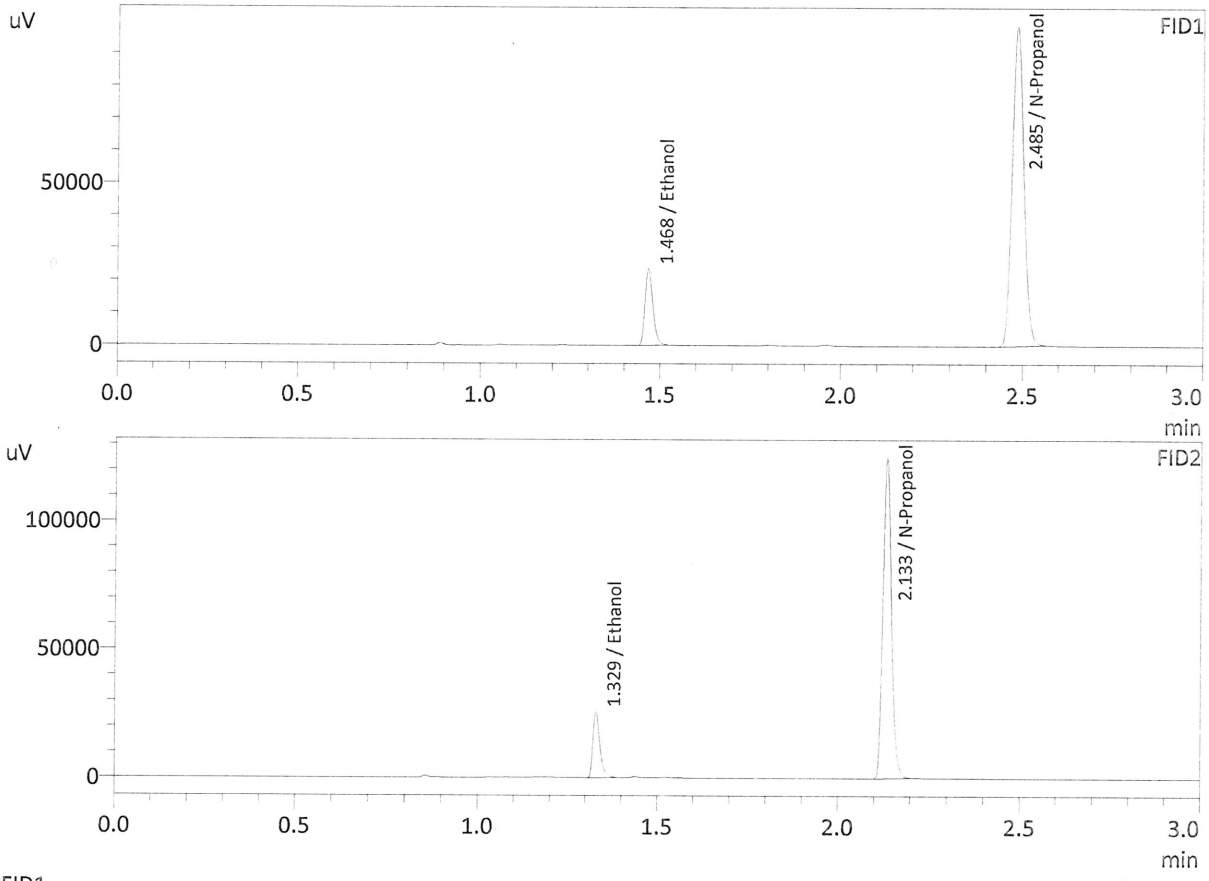
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	**0.071**	**0.079**	**0.004**

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 10/4/2021 9:34:41 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

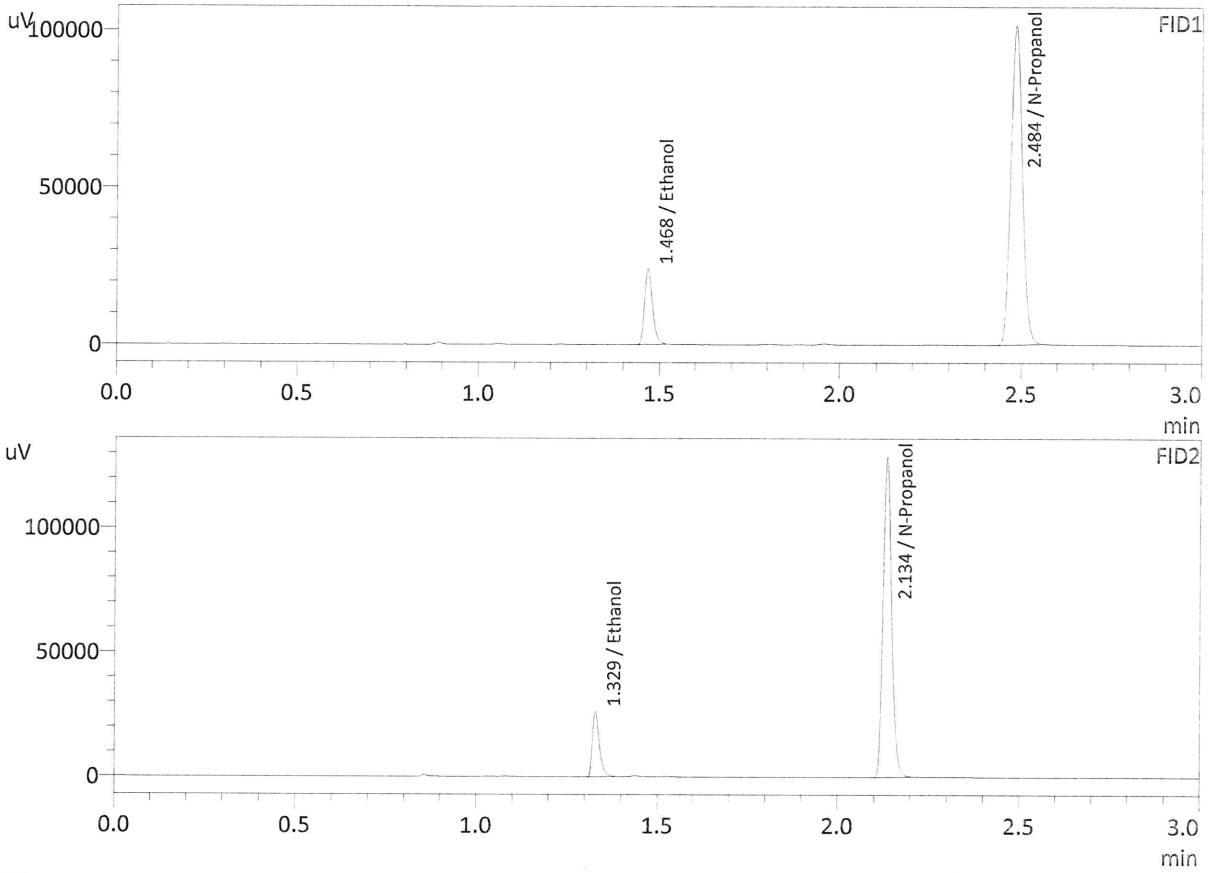
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0760	36202	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219027	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0758	34596	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205614	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 10/4/2021 9:43:53 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0749	36874	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226313	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0748	35270	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212304	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: ~~QC 1-2~~ QC2-2 JG 10/5/21 **Analysis Date(s): 10/4/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2048	0.2079	0.0031	0.2063	0.0002	0.2064
(g/100cc)	0.2049	0.2082	0.0033	0.2065		

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%**

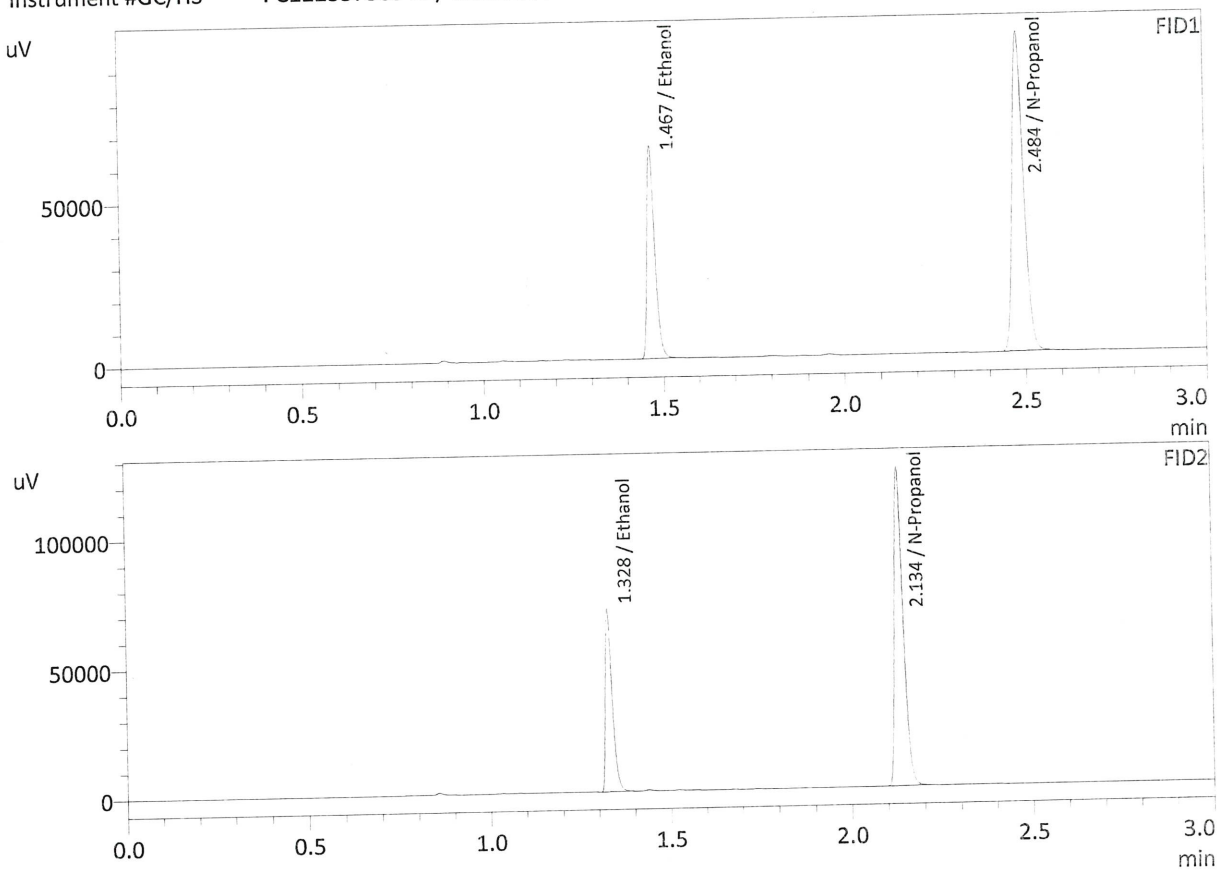
Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	**0.195**	**0.217**	**0.011**

Reported Result
0.206

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 10/4/2021 10:22:52 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

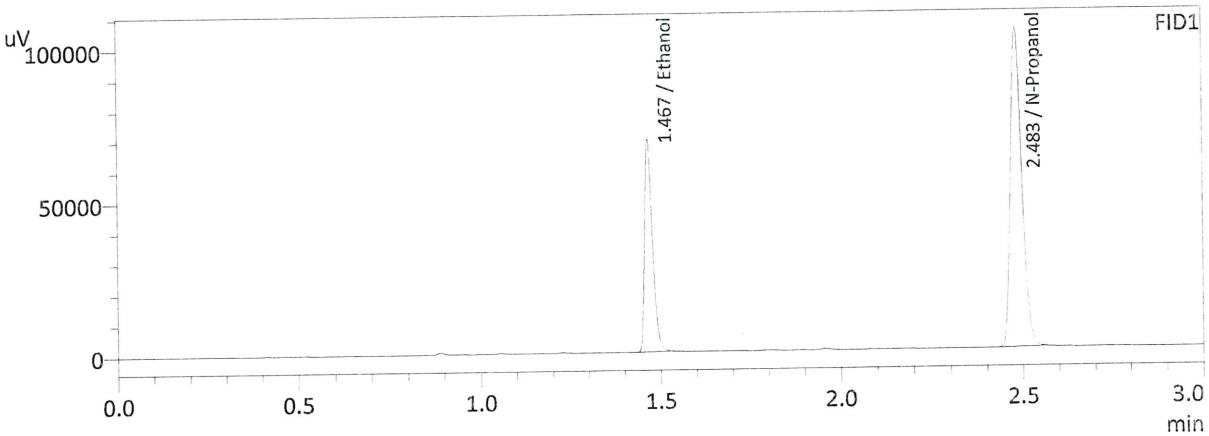
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2048	99707	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218297	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

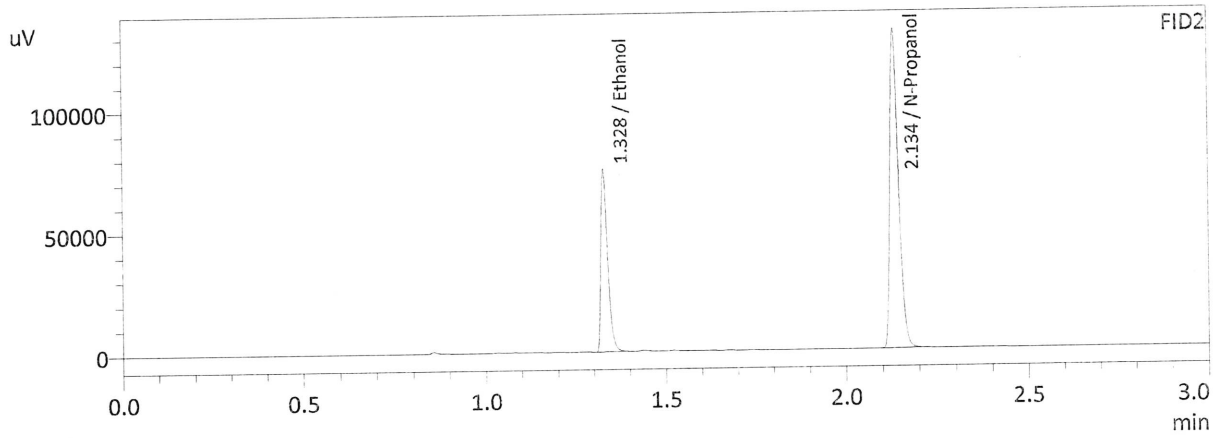
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	93624	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204100	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 10/4/2021 10:31:49 PM
Vial # : 54
Method Filename : C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

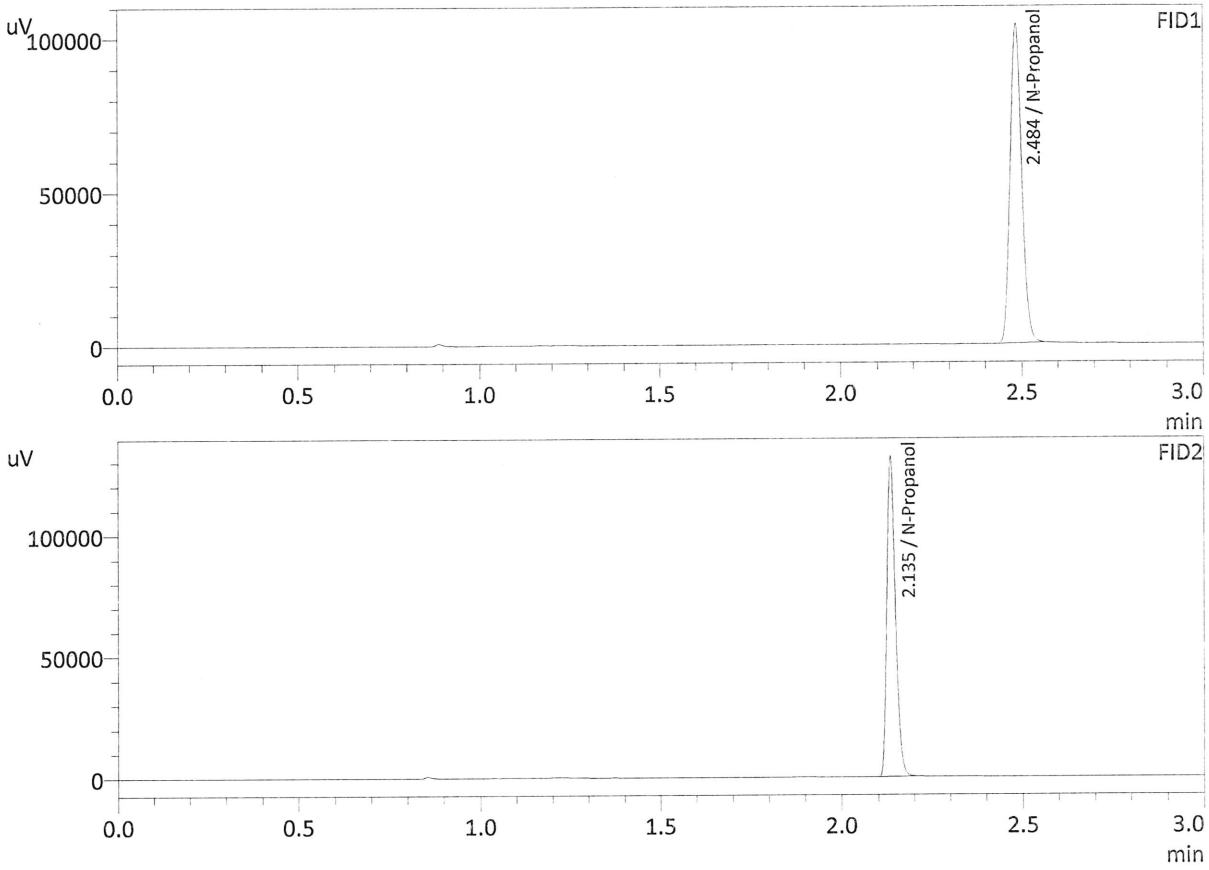
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2049	106148	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232278	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	99623	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216858	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 10/4/2021 10:39:09 PM
Vial # : 55
Method Filename : C:\LabSolutions\Data\210924\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	231133	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	217194	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
7	M2021-4216-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
8	M2021-4216-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
9	M2021-4217-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
10	M2021-4217-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
11	M2021-4225-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
12	M2021-4225-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
13	M2021-4258-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
14	M2021-4258-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
15	M2021-4259-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
16	M2021-4259-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
17	M2021-4264-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
18	M2021-4264-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
19	M2021-4265-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
20	M2021-4265-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
21	M2021-4273-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
22	M2021-4273-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
23	M2021-4279-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
24	M2021-4279-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
27	M2021-4290-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
28	M2021-4290-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
29	M2021-4291-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
30	M2021-4291-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
31	M2021-4292-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
32	M2021-4292-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
33	M2021-4303-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
34	M2021-4303-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
35	M2021-4304-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
36	M2021-4304-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
37	M2021-4377-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
38	M2021-4377-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
39	M2021-4378-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
40	M2021-4378-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
41	M2021-4379-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
42	M2021-4379-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
43	M2021-4380-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
44	M2021-4380-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
45	M2021-4381-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
46	M2021-4381-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
49	M2021-4386-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
50	M2021-4386-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
51	P2021-3065-1-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
52	P2021-3065-1-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
53	QC2-2-A	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
54	QC2-2-B	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM
55	INT STD BLNK	C:\LabSolutions\Data\210924\CALIBRATION\ALCOHOL.GCM

JC