8/26/2021

Worklist: 5199

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-3615	1	BCK	Alcohol Analysis
M2021-3634	1	BCK	Alcohol Analysis
M2021-3636	1	BCK	Alcohol Analysis
M2021-3636	2	BCK	Alcohol Analysis
M2021-3636	3	BCK	Alcohol Analysis
M2021-3637	1	BCK	Alcohol Analysis
M2021-3654	1	BCK	Alcohol Analysis
M2021-3655	1	BCK	Alcohol Analysis
M2021-3656	1	BCK	Alcohol Analysis
M2021-3657	1	BCK	Alcohol Analysis
M2021-3671	1	BCK	Alcohol Analysis
M2021-3680	1	BCK	Alcohol Analysis
M2021-3689	1	BCK	Alcohol Analysis
M2021-3690	1	BCK	Alcohol Analysis
M2021-3778	1	BCK	Alcohol Analysis
M2021-3780	1	BCK	Alcohol Analysis
M2021-3781	1	BCK	Alcohol Analysis
M2021-3782	1	BCK	Alcohol Analysis
M2021-3783	1	BCK	Alcohol Analysis
P2021-2640	1	BCK	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number:

Volatiles Quality Assurance Controls **Run Date(s): 8/25/2021**

Calibration date: 8/25/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0729 g/100cc
					0.0773 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2085 g/100cc
					0.2113 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701		OK
Curve Fit:	**Column 1**	0.99964	**Column2**		0.99974

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0532	0.0526	0.0006	0.0529
100	0.100	0.090 - 0.110	0.1004	0.1003	0.0001	0.1003
200	0.200	0.180 - 0.220	0.1972	0.1980	0.0008	0.1976
300	0.300	0.270 - 0.330	0.2957	0.2962	0.0005	0.2959
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5031	0.5027	0.0004	0.5029

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

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

Meridian Blood Alcohol Analysis Batch Table

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

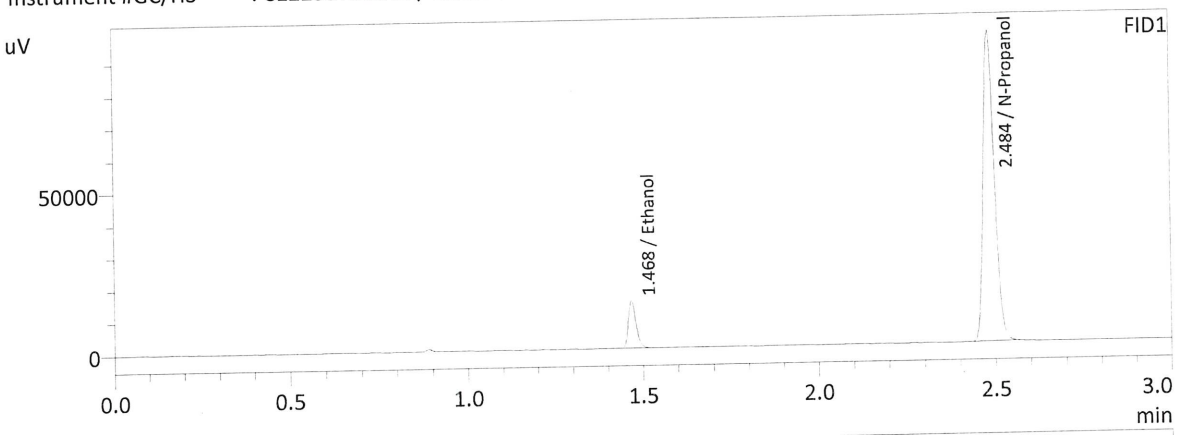
Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
7	M2021-3615-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
8	M2021-3615-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
9	M2021-3634-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
10	M2021-3634-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
11	M2021-3636-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
12	M2021-3636-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
13	M2021-3636-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
14	M2021-3636-2-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
15	M2021-3636-3-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
16	M2021-3636-3-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
17	M2021-3637-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
18	M2021-3637-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
19	M2021-3654-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
20	M2021-3654-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
21	M2021-3655-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
22	M2021-3655-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
23	M2021-3656-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
24	M2021-3656-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
27	M2021-3657-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
28	M2021-3657-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
29	M2021-3671-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
30	M2021-3671-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
31	M2021-3680-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
32	M2021-3680-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
33	M2021-3689-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
34	M2021-3689-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
35	M2021-3690-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
36	M2021-3690-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
37	M2021-3778-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
38	M2021-3778-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
39	M2021-3780-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
40	M2021-3780-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
41	M2021-3781-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
42	M2021-3781-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
43	M2021-3782-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
44	M2021-3782-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
45	M2021-3783-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
46	M2021-3783-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
49	P2021-2640-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
50	P2021-2640-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
51	QC2-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
52	QC2-2-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
53	INT STD BLNK	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM

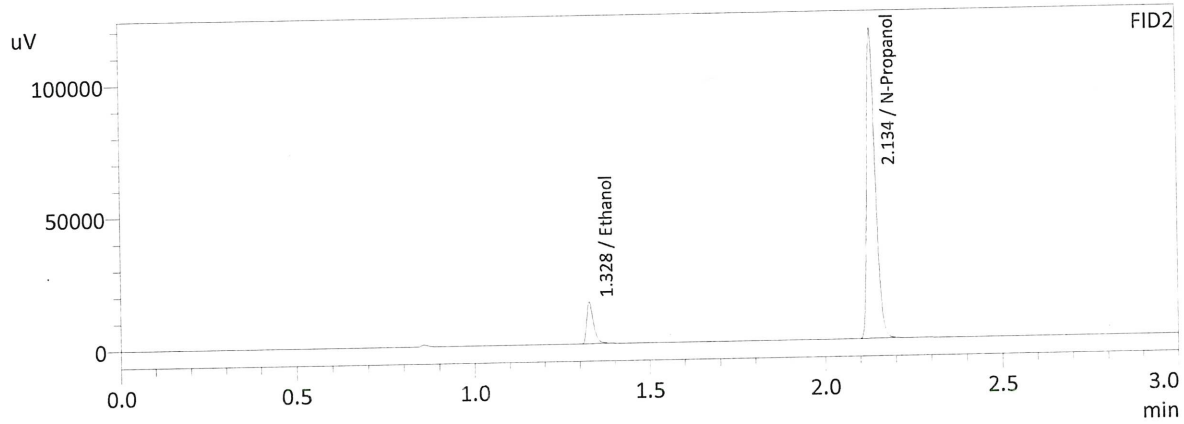
Meridian Blood Alcohol Analysis Batch Table

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

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 8/25/2021 10:35:32 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





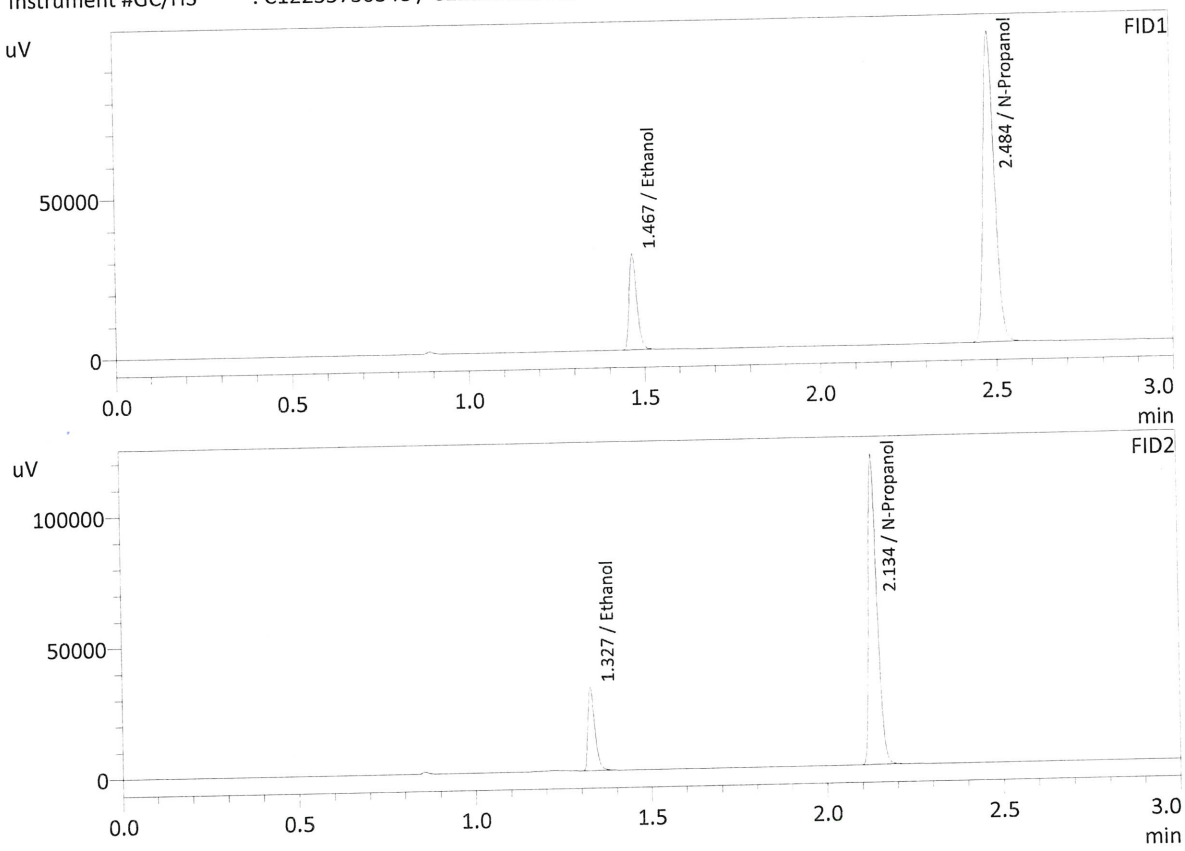
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0532	22493	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211790	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0526	20991	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194002	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 8/25/2021 10:42:52 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



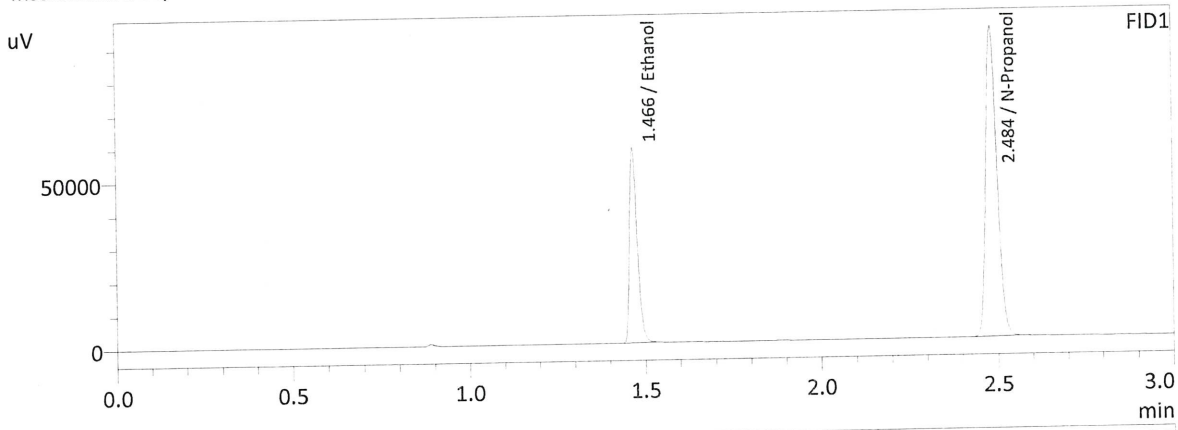
FID1

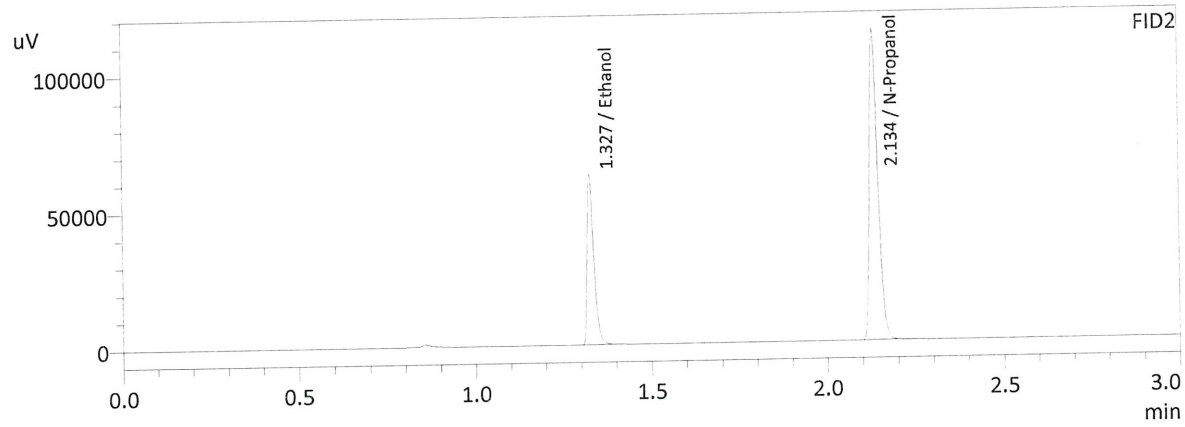
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1004	45888	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213864	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	42398	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196002	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 8/25/2021 10:50:32 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

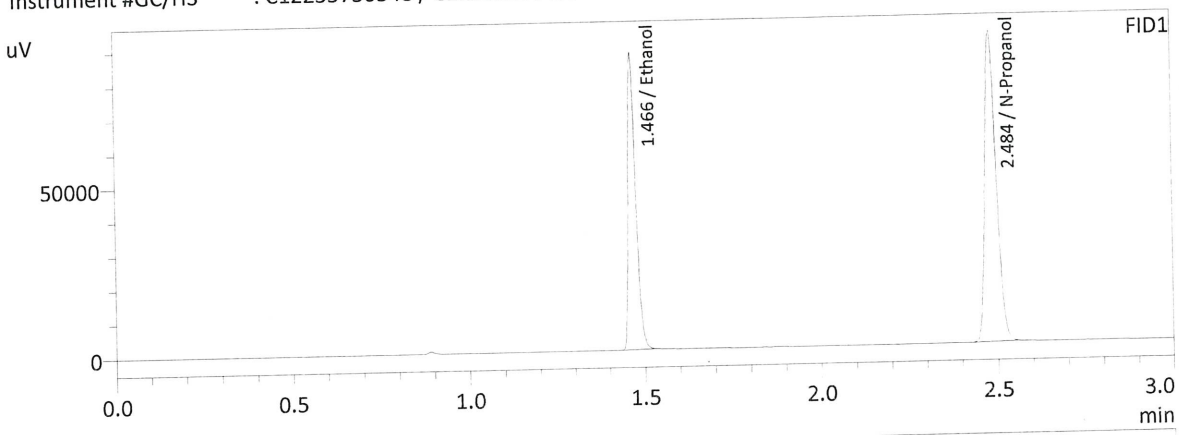
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	89749	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205591	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

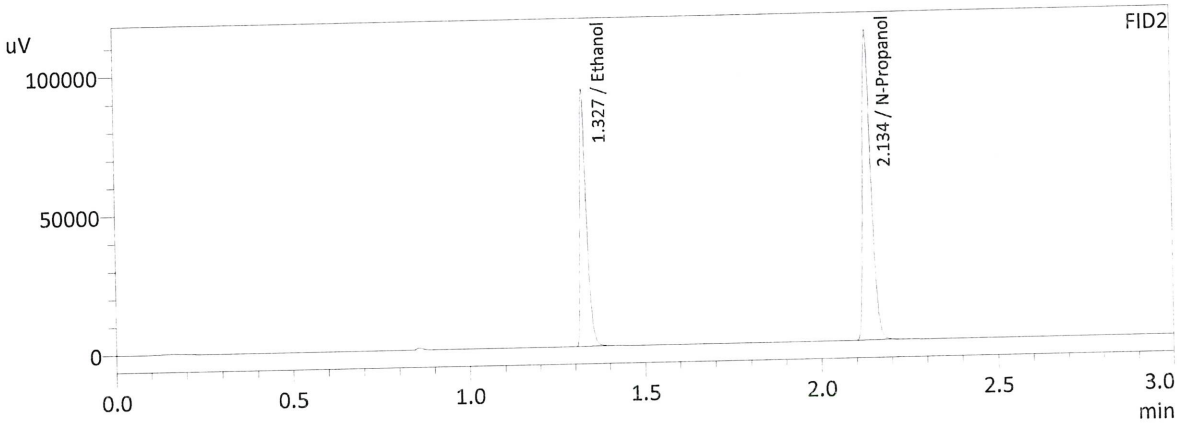
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1980	82430	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188358	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 8/25/2021 10:58:55 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

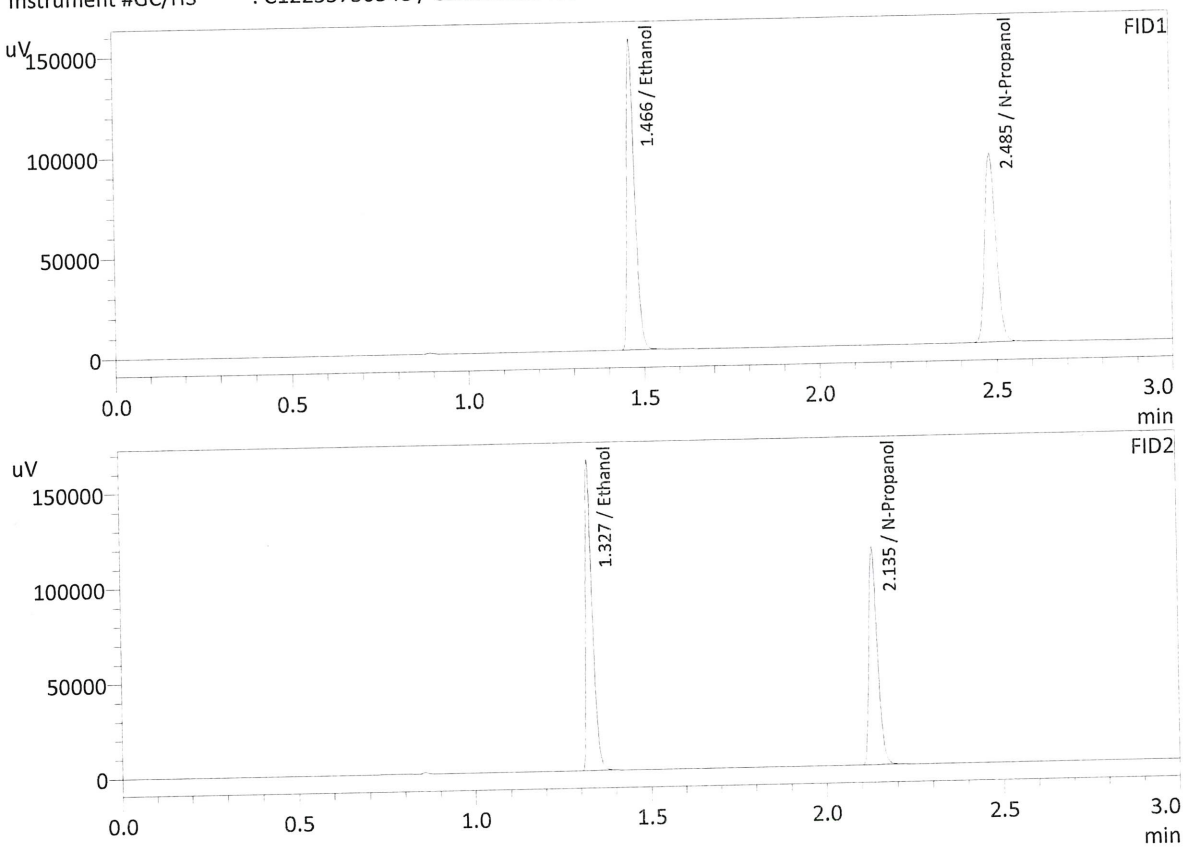
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2957	133165	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201045	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2962	121787	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184496	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 8/25/2021 11:06:41 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



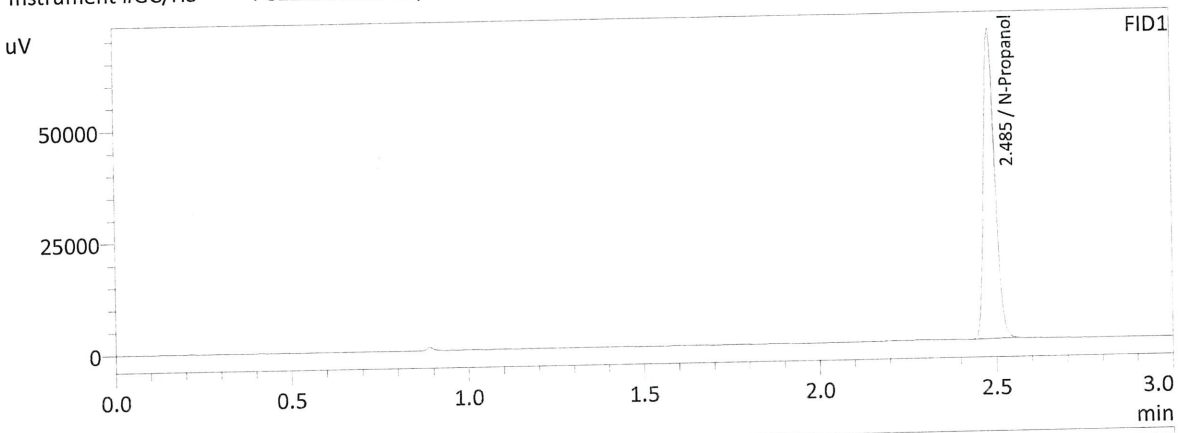
FID1

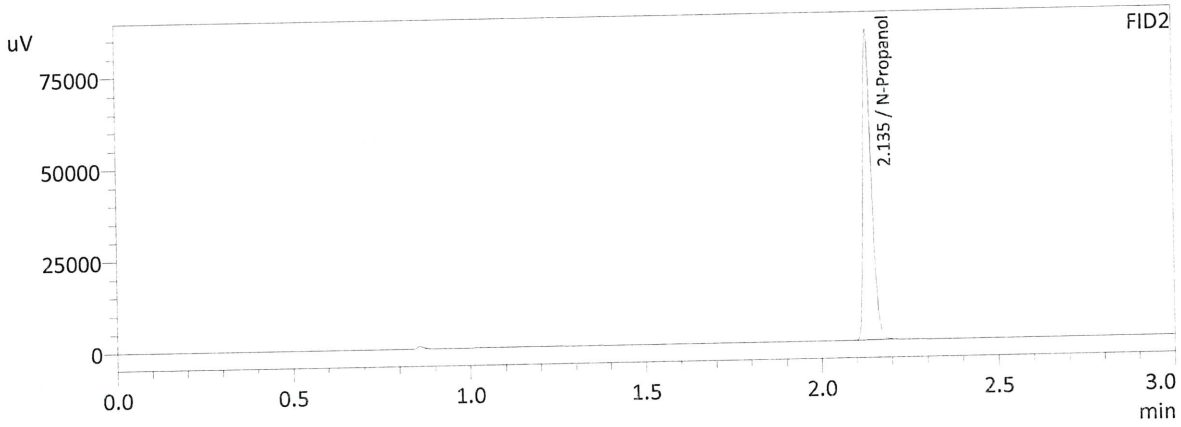
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5031	235324	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206791	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5027	214167	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189857	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 8/25/2021 11:15:27 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210825\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	152475	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

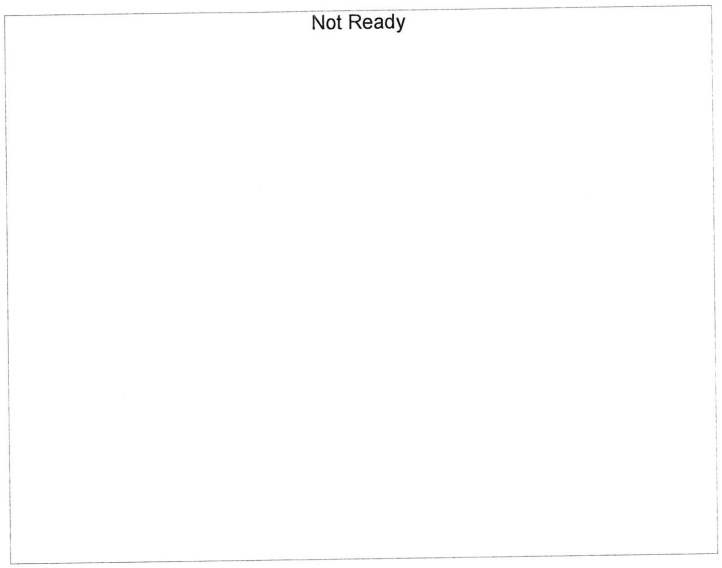
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	140449	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Calibration Table

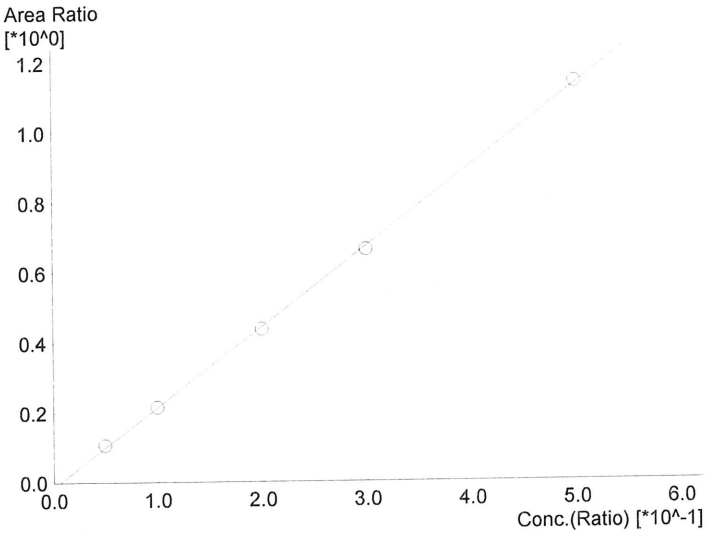
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.gcm
Batch File :C:\LabSolutions\Data\210825\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :8/25/2021 11:06:41 AM
Date Created :8/25/2021 11:02:03 AM
Date Modified :8/25/2021 11:09:42 AM



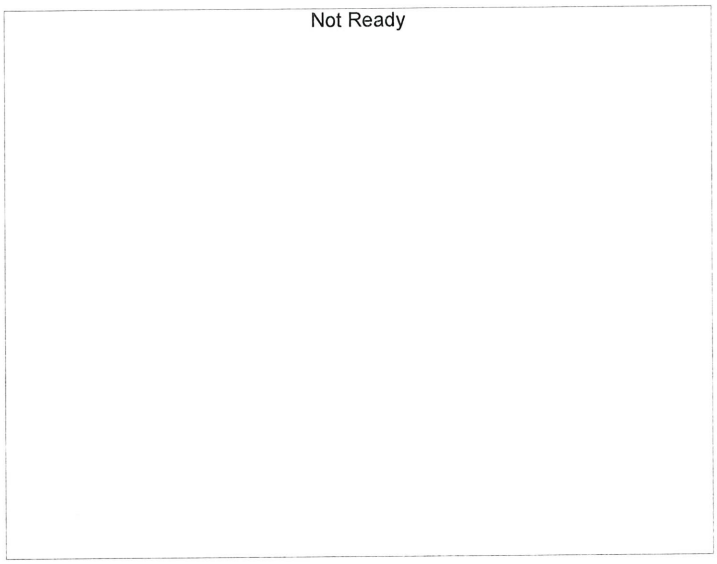
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



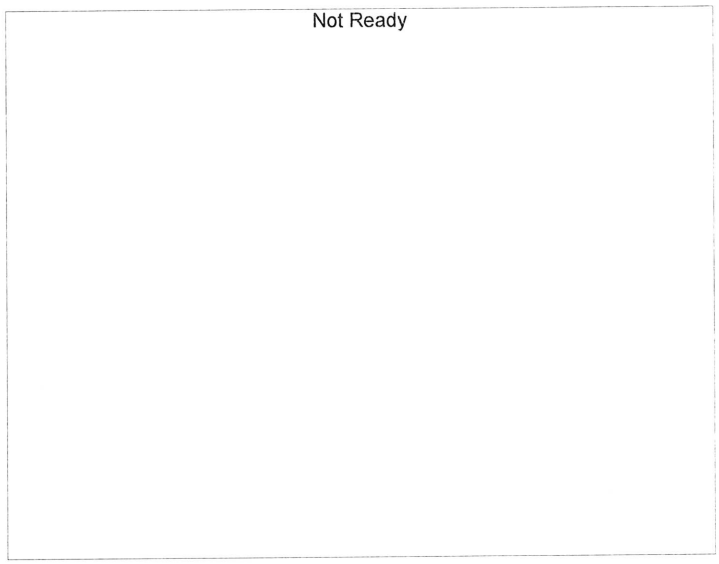
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.29308*x-0.0158762
R^2 value= 0.9996404
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22493	0.0532
2	0.100	45888	0.1004
3	0.200	89749	0.1972
4	0.300	133165	0.2957
5	0.500	235324	0.5031



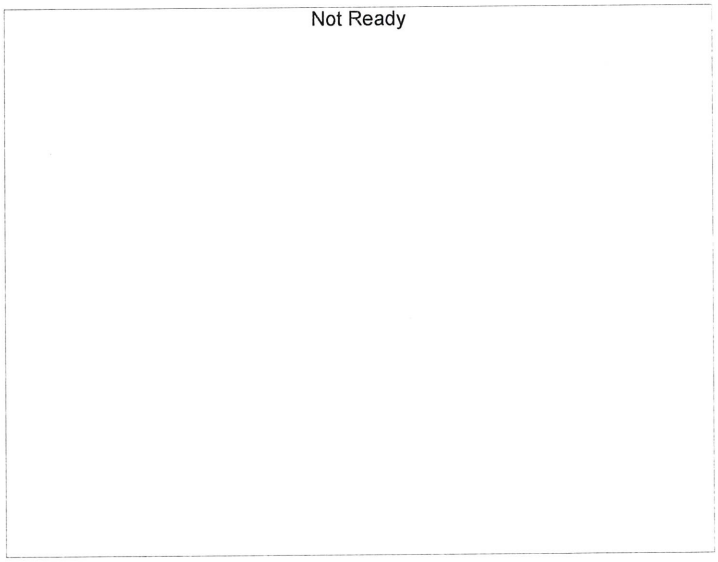
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



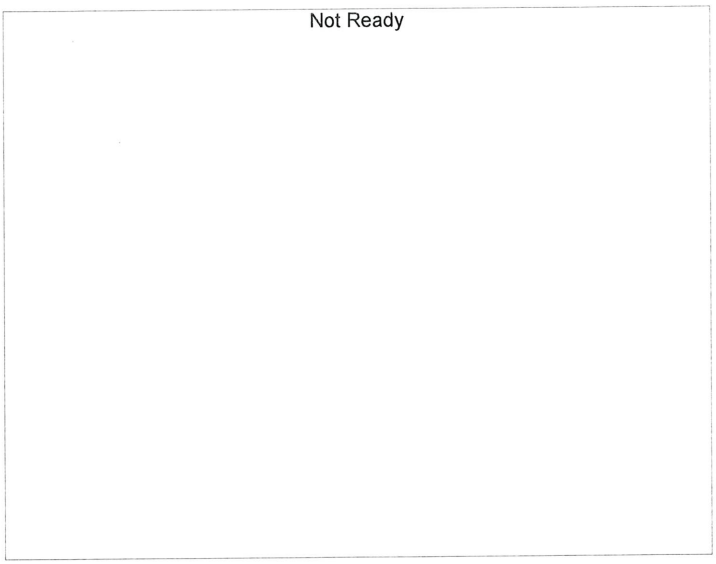
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



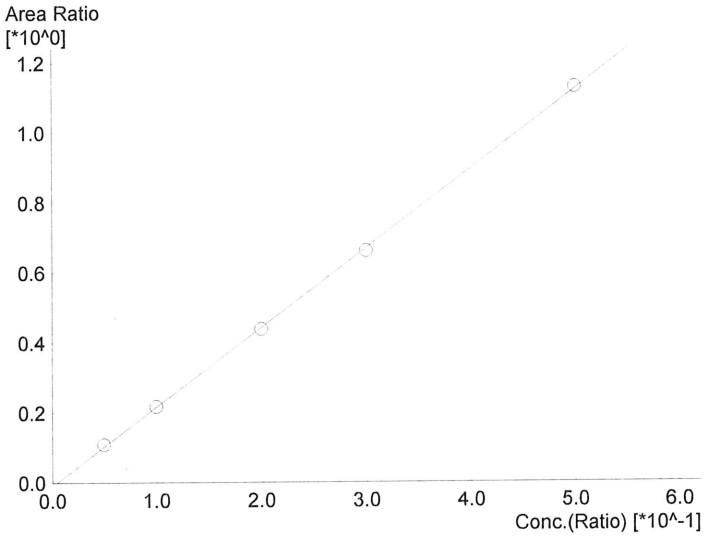
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



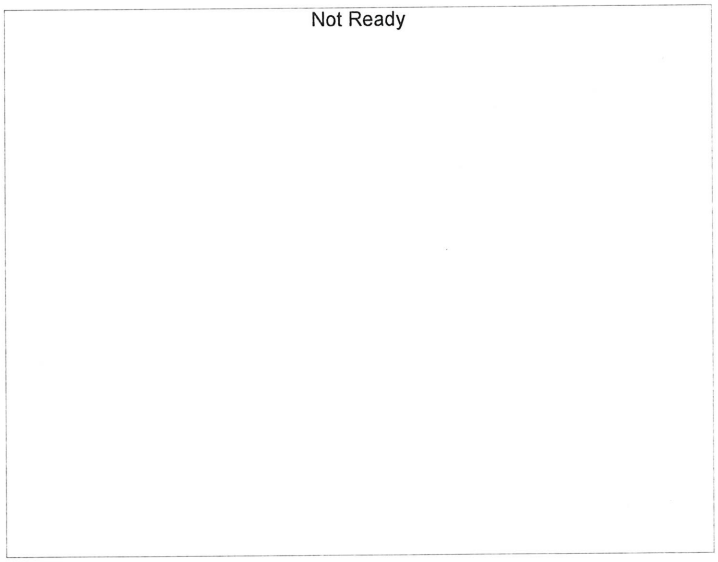
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



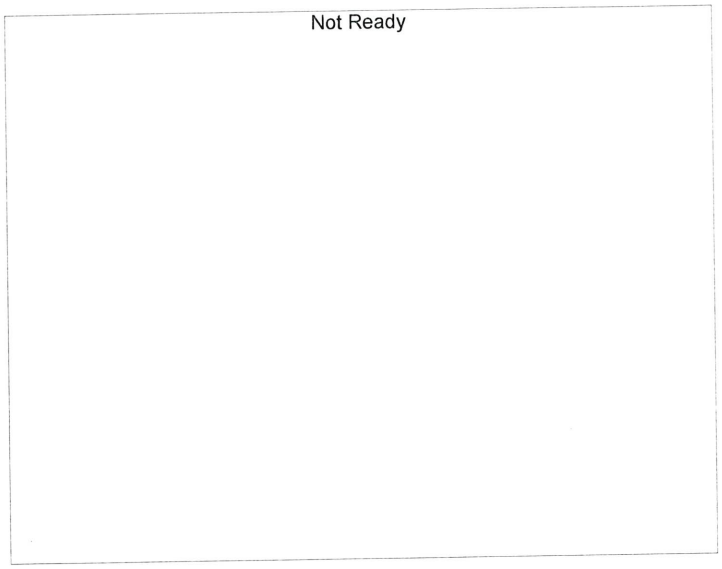
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.26606*x-0.0111358
R^2 value= 0.9997440
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20991	0.0526
2	0.100	42398	0.1003
3	0.200	82430	0.1980
4	0.300	121787	0.2962
5	0.500	214167	0.5027



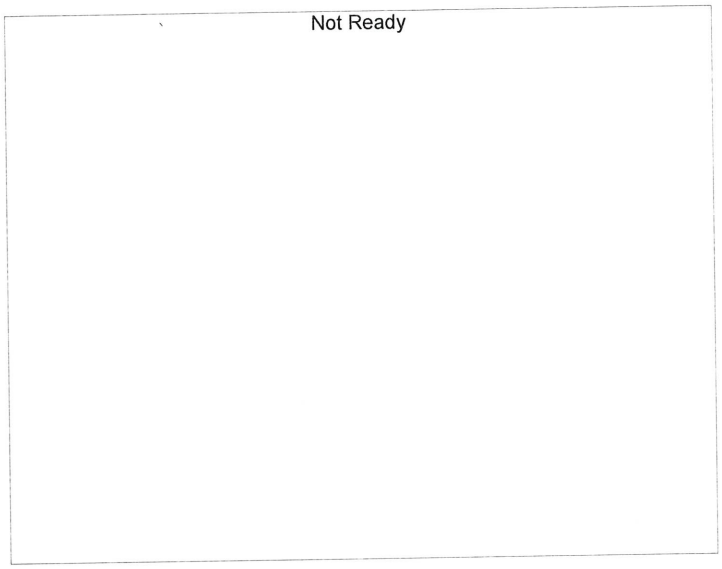
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

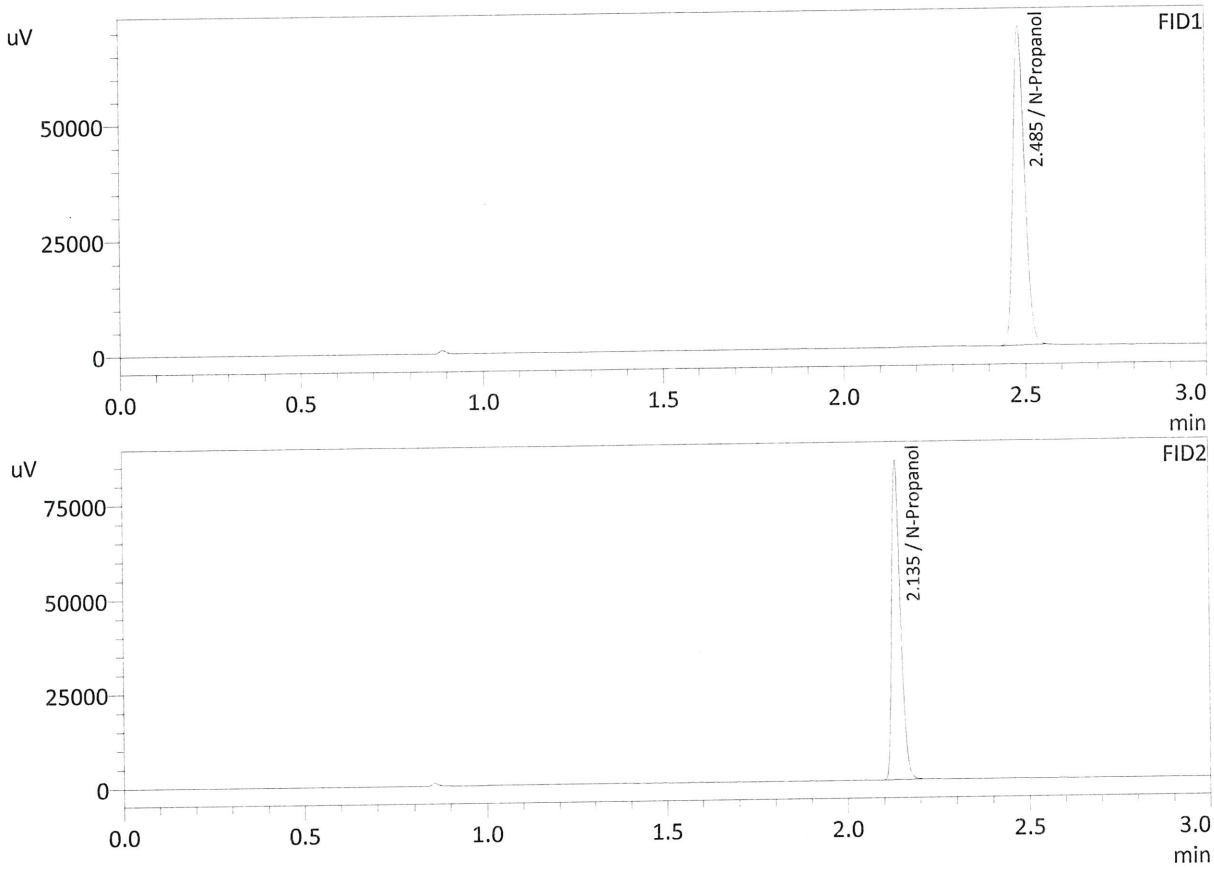
#	Conc.	Area	Std. Conc.



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.

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 8/25/2021 11:15:27 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.gcm
Instrument #GC/HS : C12255750548 / C12595800409



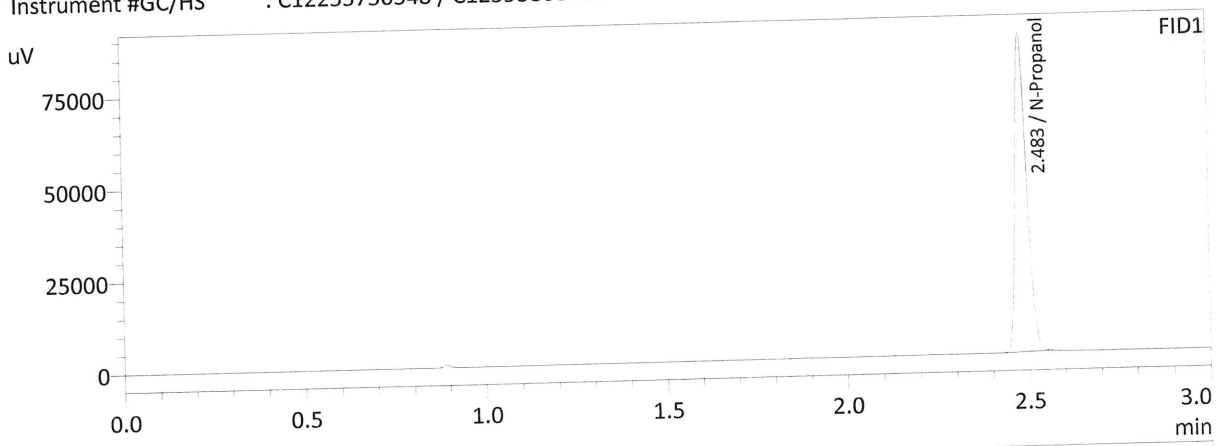
FID1

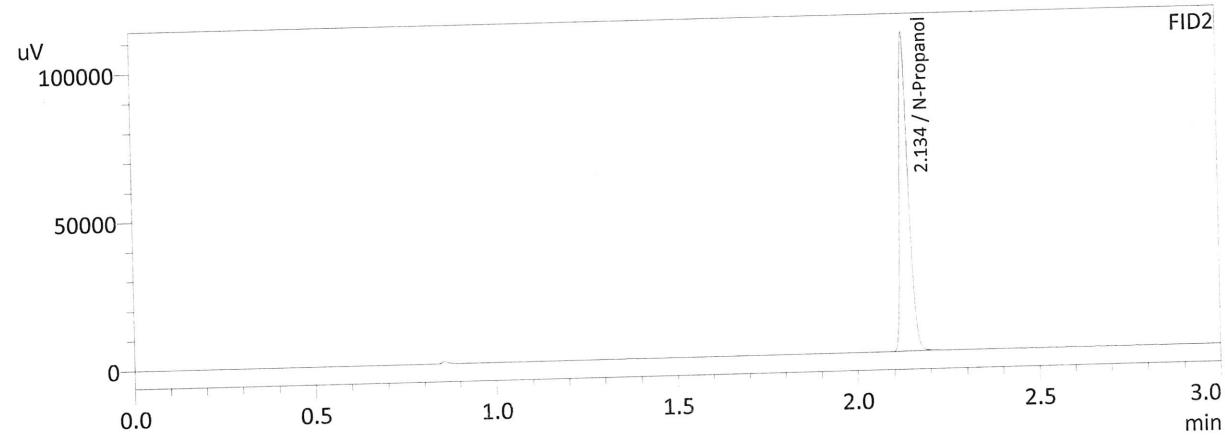
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	152475	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	140449	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 8/25/2021 2:36:03 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

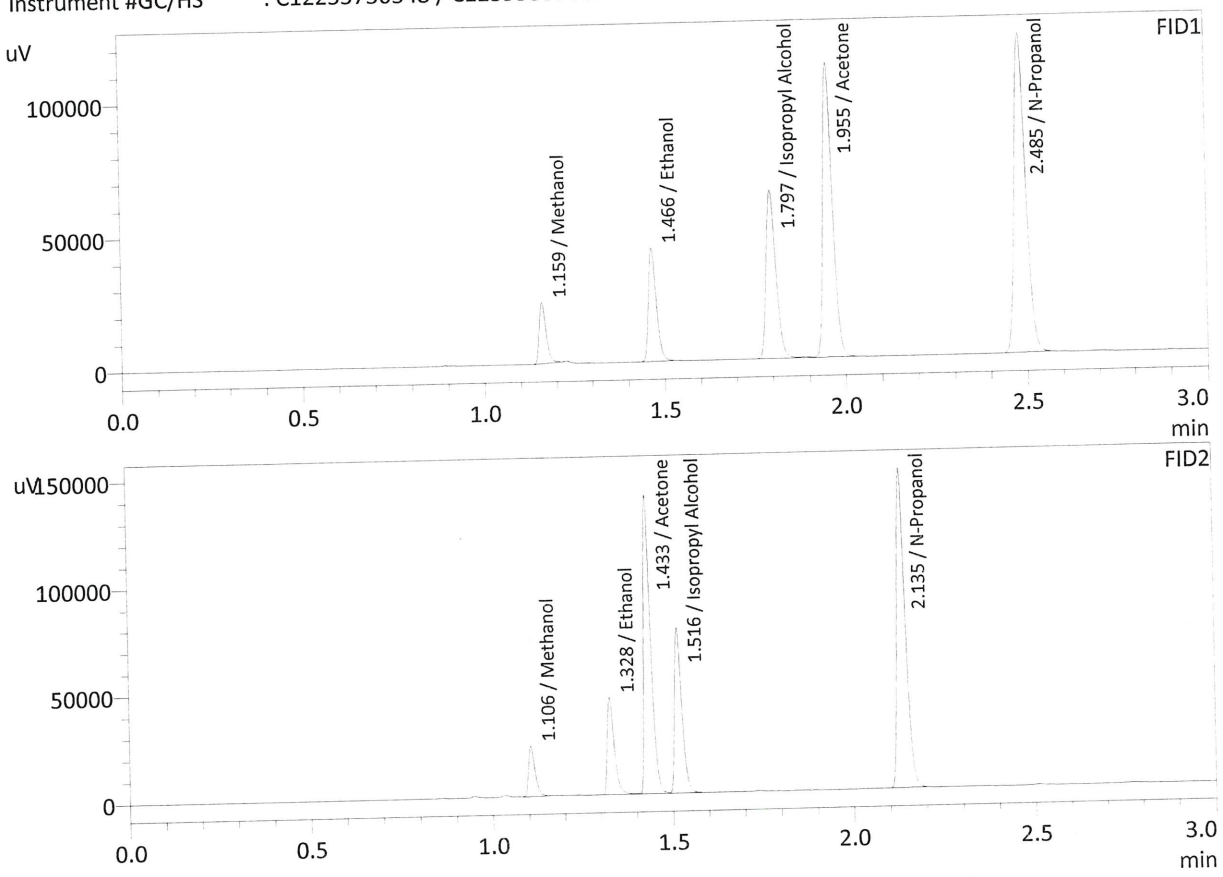
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194342	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	178197	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 8/25/2021 2:43:24 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	30655	g/100cc
Ethanol	0.1125	64915	g/100cc
Isopropyl Alcohol	0.0000	117426	g/100cc
Acetone	0.0000	205190	g/100cc
N-Propanol	0.0000	268071	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	28927	g/100cc
Ethanol	0.1137	60289	g/100cc
Acetone	0.0000	187279	g/100cc
Isopropyl Alcohol	0.0000	107500	g/100cc
N-Propanol	0.0000	244360	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Analysis Date(s): 8/25/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0724	0.0719	0.0005	0.0721	0.0015	0.0729
(g/100cc)	0.0738	0.0735	0.0003	0.0736		

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

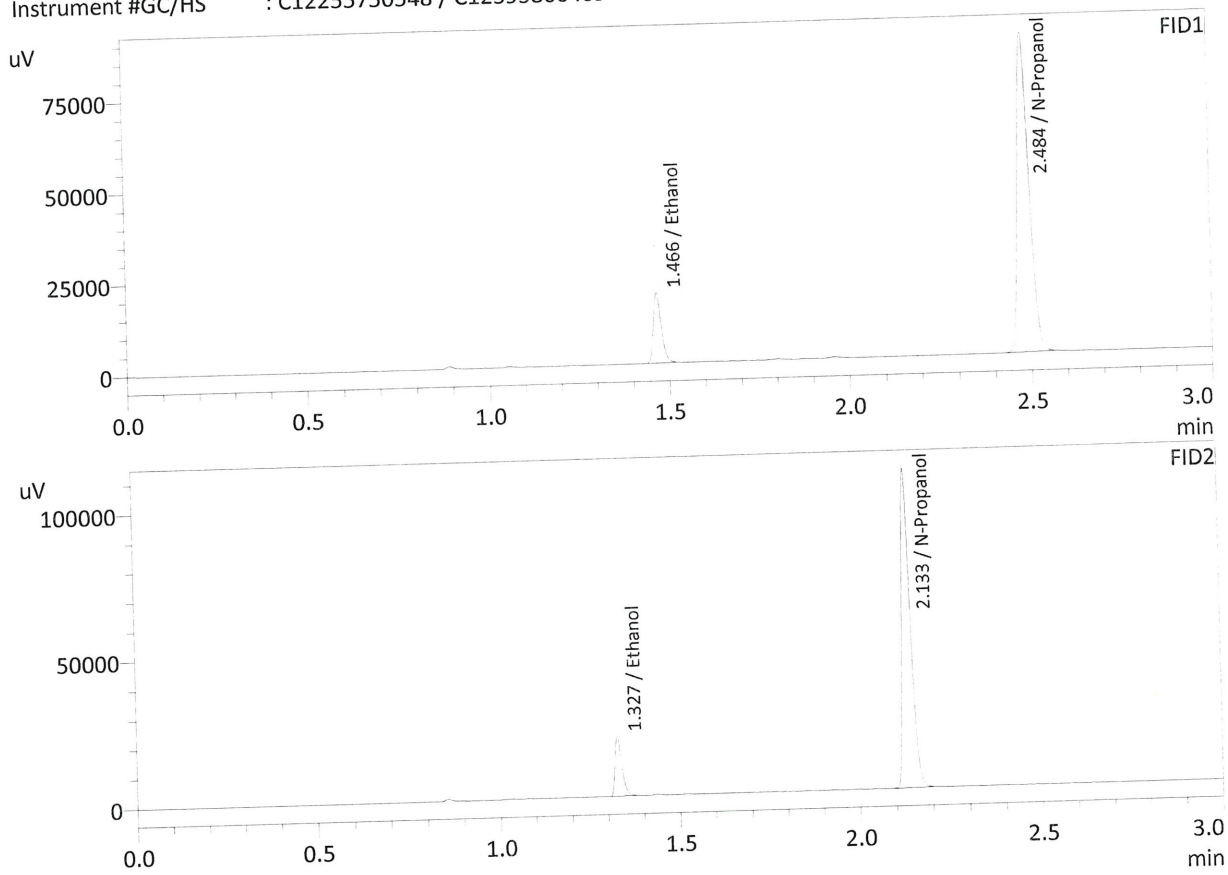
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.072	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 8/25/2021 2:51:00 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



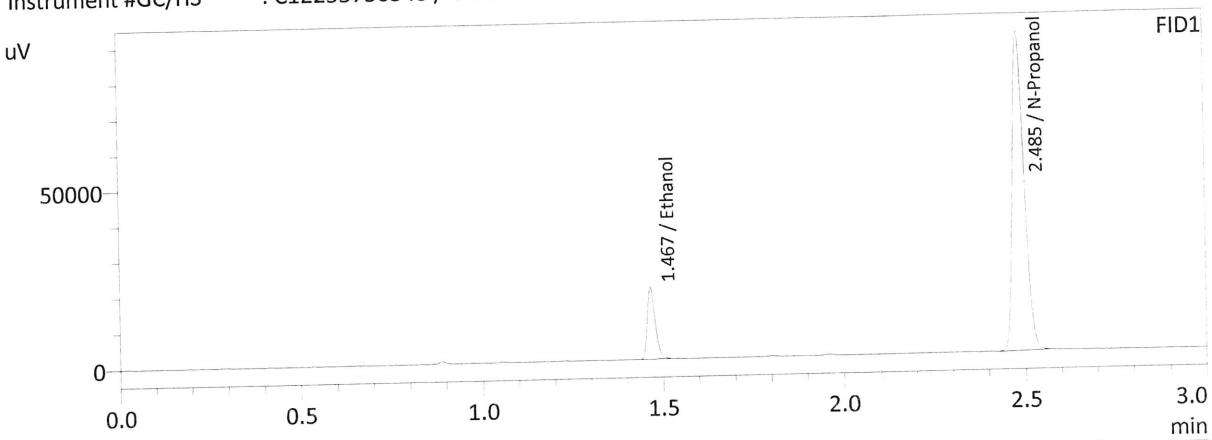
FID1

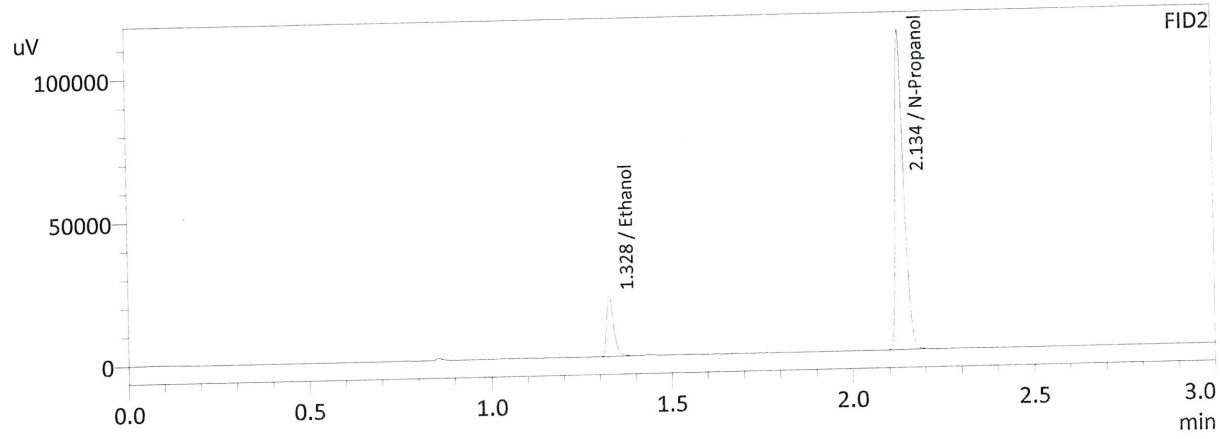
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0724	29439	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195964	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0719	27236	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	179328	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 8/25/2021 2:59:28 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0738	30913	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201296	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0735	28642	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184283	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QA 0.080 **Analysis Date(s): 8/25/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0810	0.0002	0.0811	0.0001	0.0811
(g/100cc)	0.0814	0.0810	0.0004	0.0812		

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

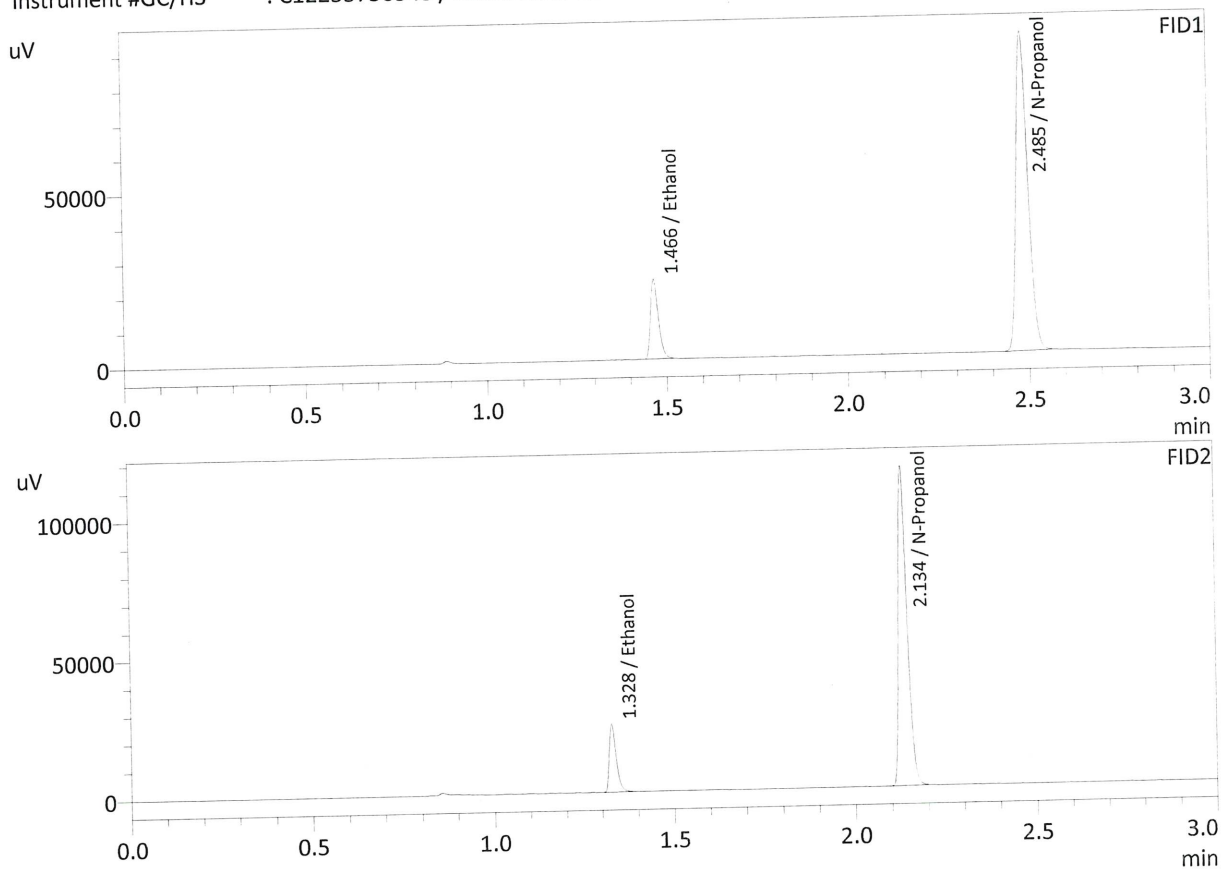
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 8/25/2021 3:07:06 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

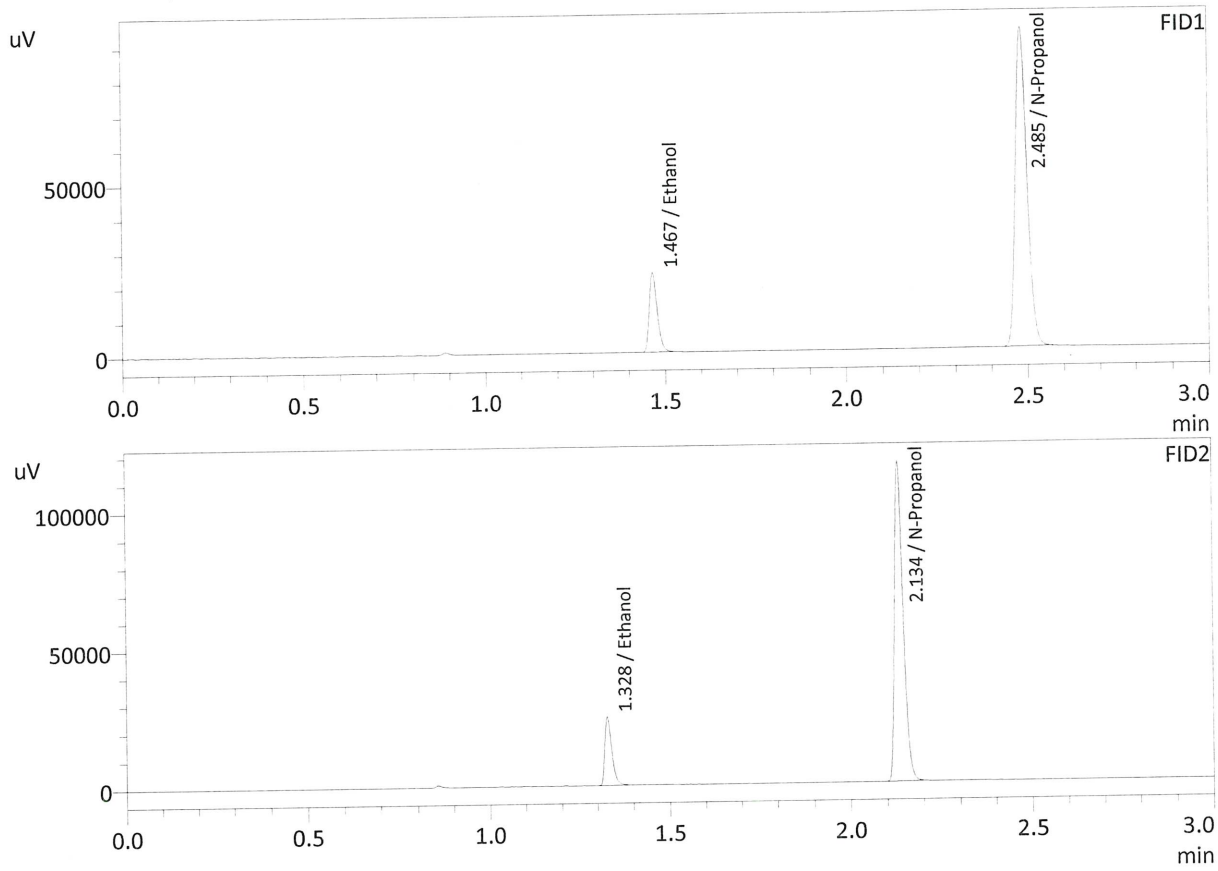
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	35297	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207215	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	32726	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189720	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 8/25/2021 3:15:54 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0814	35601	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208381	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	32916	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190855	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 8/25/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2084	0.2087	0.0003	0.2085	0.0000	0.2085
(g/100cc)	0.2081	0.2089	0.0008	0.2085		

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

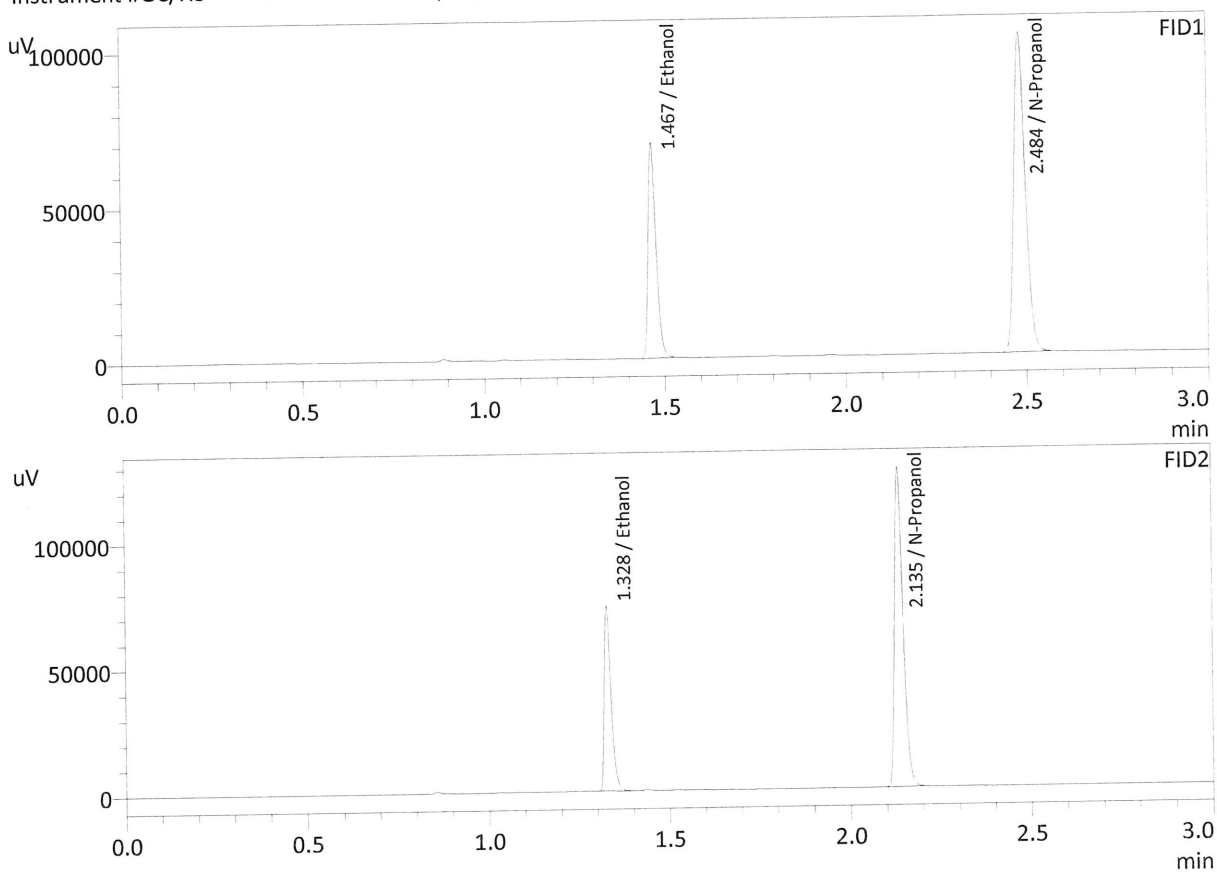
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.208	0.197	0.219	0.011

Reported Result
0.208

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 8/25/2021 5:50:52 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

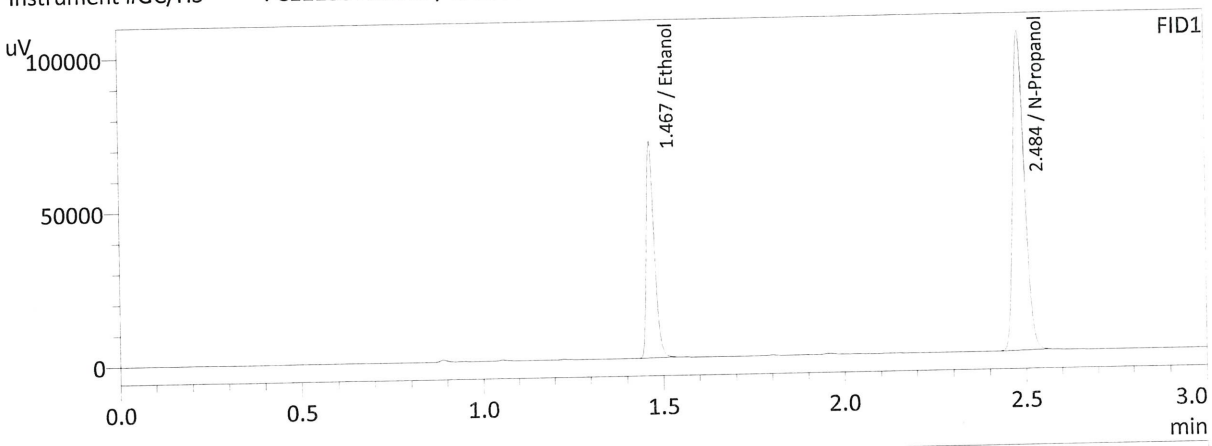
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	105925	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229266	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

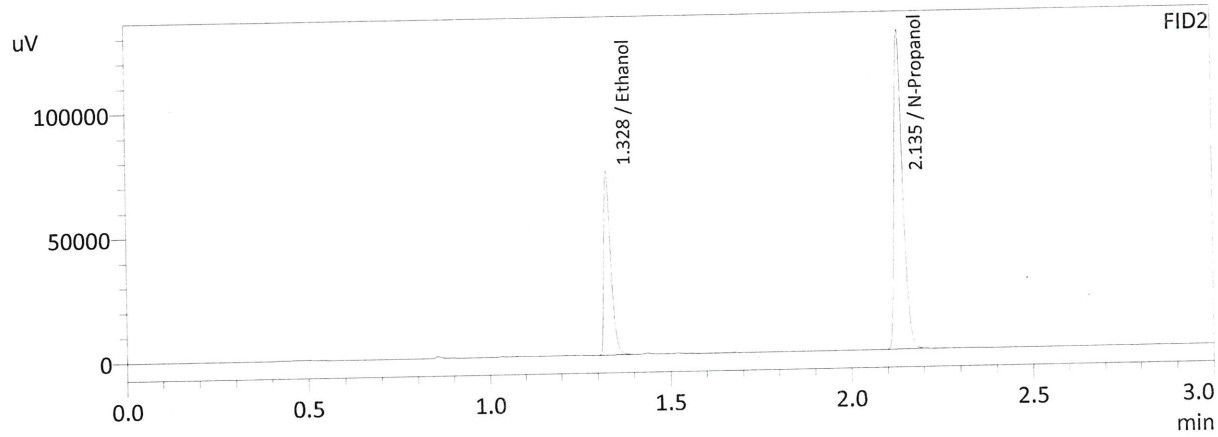
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2087	96916	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209826	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 8/25/2021 5:58:56 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2081	106909	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231693	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2089	97941	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211840	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 8/25/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0781	0.0781	0.0000	0.0781	0.0016	0.0773
(g/100cc)	0.0767	0.0763	0.0004	0.0765		

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

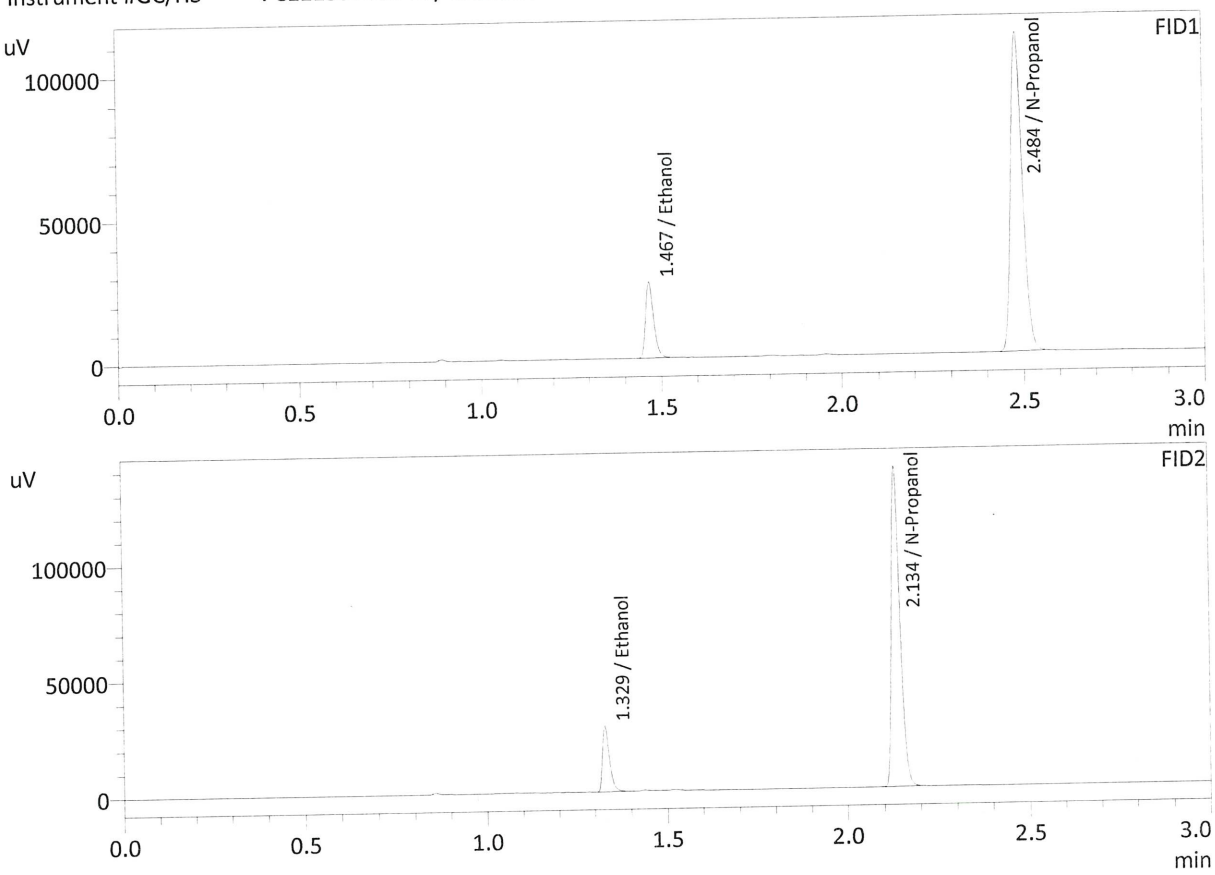
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

Reported Result
0.077

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 8/25/2021 8:49:31 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

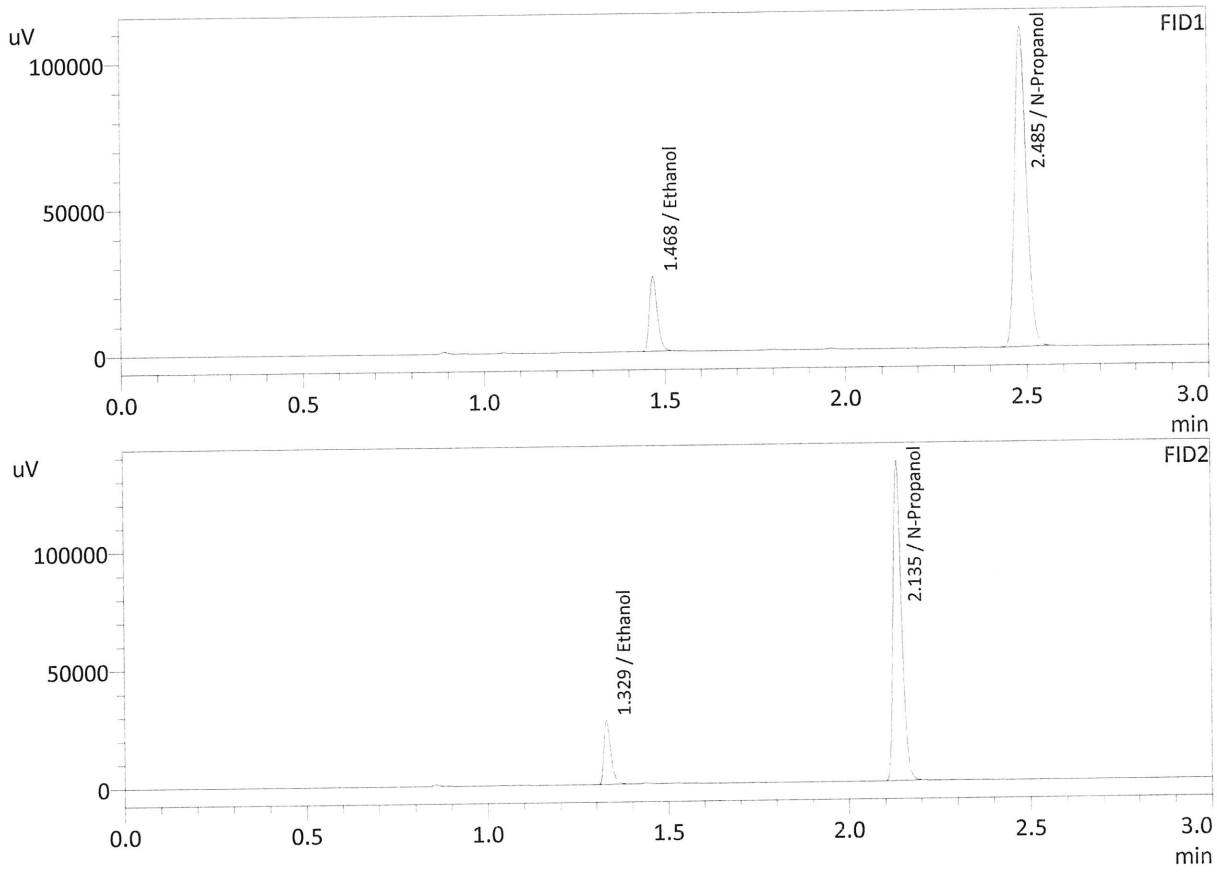
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0781	40610	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248490	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0781	37667	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227089	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 8/25/2021 8:59:49 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0767	39087	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	244067	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0763	36161	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223246	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Analysis Date(s): 8/25/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2098	0.2110	0.0012	0.2104	0.0019	0.2113
(g/100cc)	0.2119	0.2128	0.0009	0.2123		

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%**

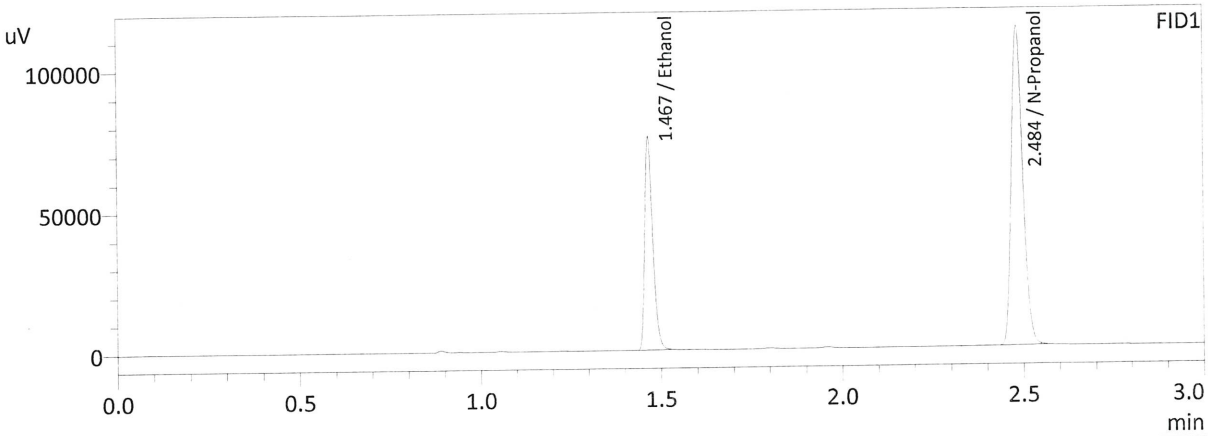
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

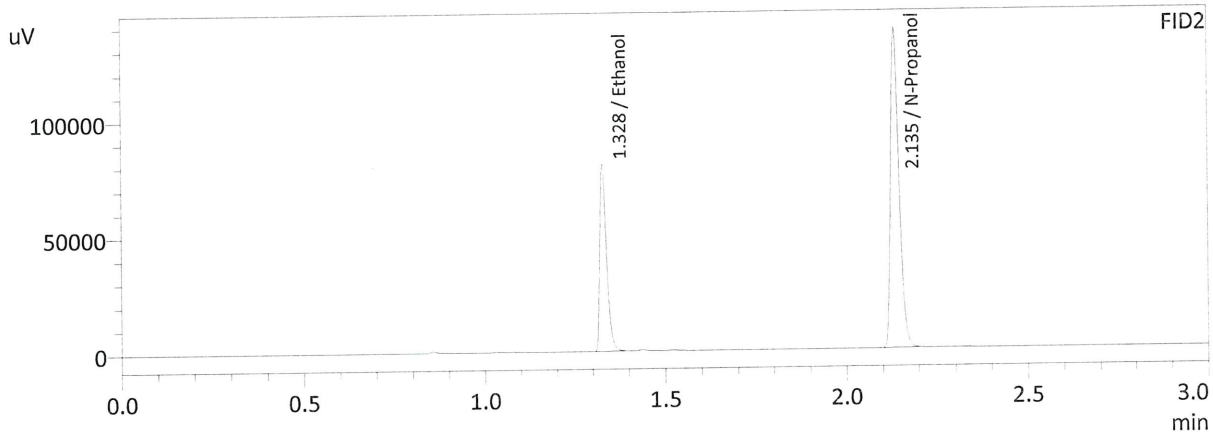
Reported Result

0.211

Calibration and control data are stored centrally.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 8/25/2021 9:23:31 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





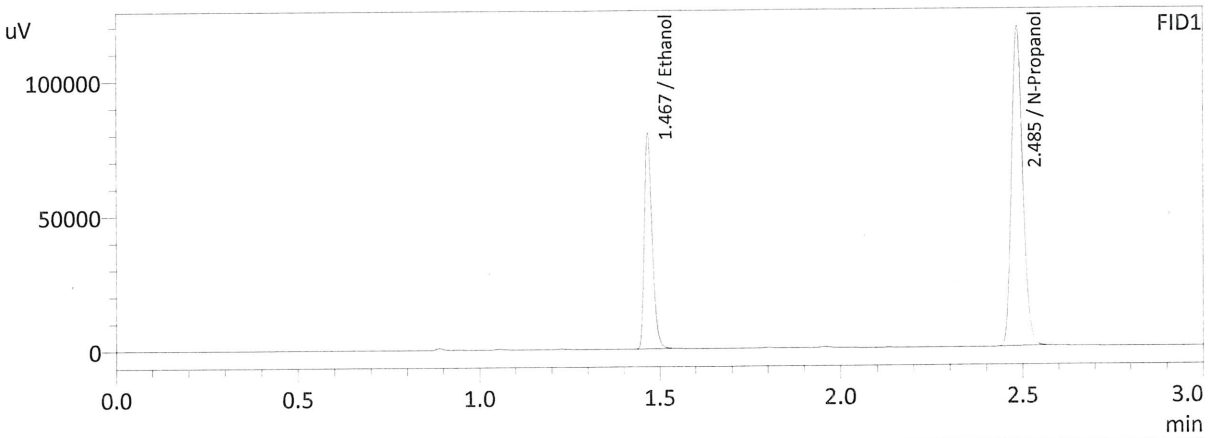
FID1

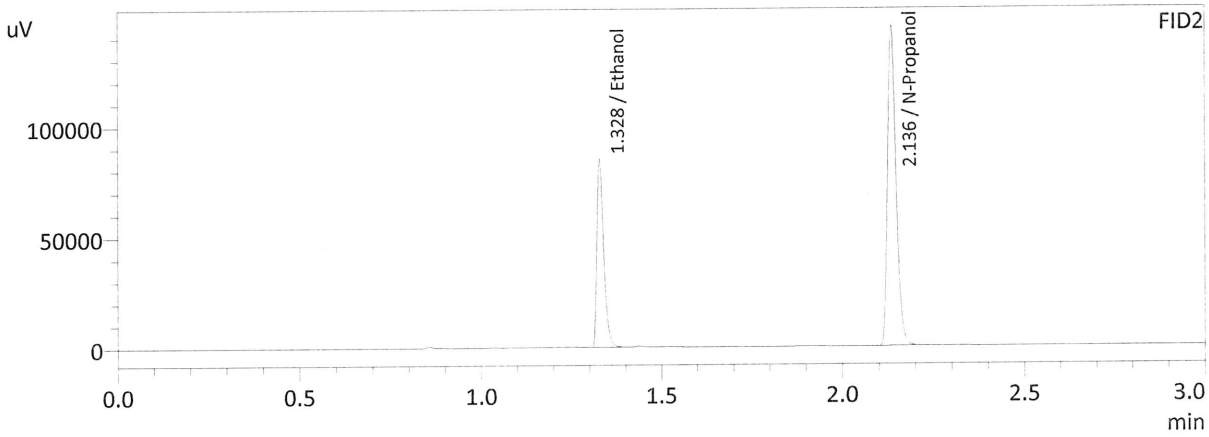
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2098	115518	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248263	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	106105	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227110	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 8/25/2021 9:30:50 PM
Vial # : 52
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

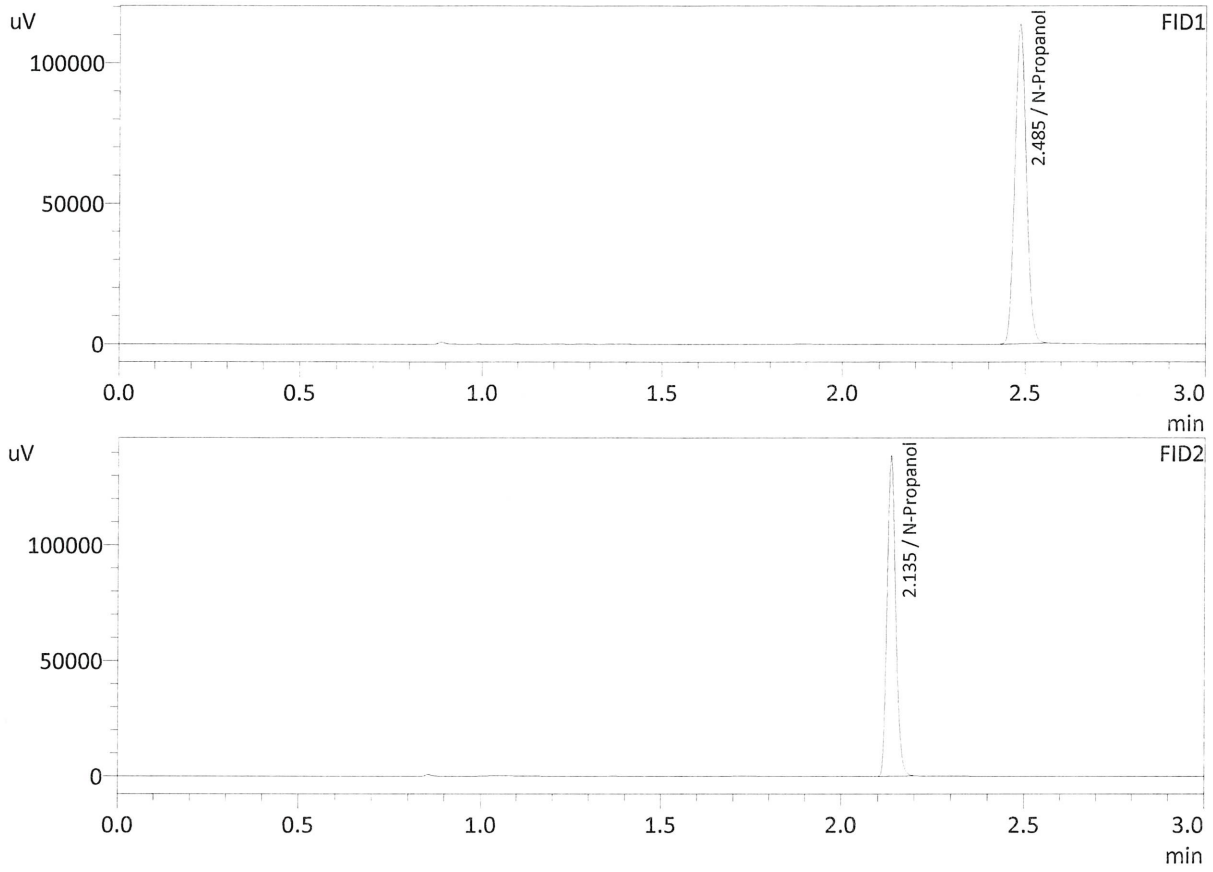
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2119	122561	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	260746	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2128	112494	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	238720	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 8/25/2021 9:38:19 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\210825\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	249990	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	228657	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc