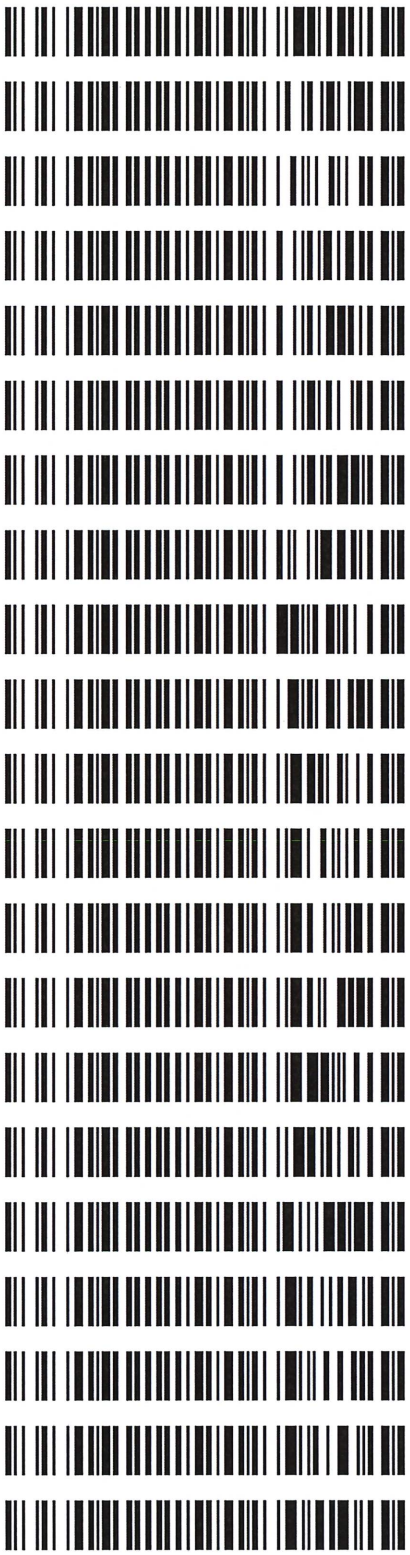
REVIEWED
By Anne Nord at 1:03 pm, Sep 07, 2021

9/7/2021

Worklist: 5225

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-3317	3	BCK	Alcohol Analysis
M2021-3802	1	BCK	Alcohol Analysis
M2021-3826	1	BCK	Alcohol Analysis
M2021-3834	1	BCK	Alcohol Analysis
M2021-3835	1	BCK	Alcohol Analysis
M2021-3837	1	BCK	Alcohol Analysis
M2021-3838	1	BCK	Alcohol Analysis
M2021-3849	1	BCK	Alcohol Analysis
M2021-3856	1	BCK	Alcohol Analysis
M2021-3873	1	BCK	Alcohol Analysis
M2021-3896	1	BCK	Alcohol Analysis
M2021-3904	2	BCK	Alcohol Analysis
M2021-3905	1	BCK	Alcohol Analysis
M2021-3906	1	BCK	Alcohol Analysis
M2021-3907	1	BCK	Alcohol Analysis
M2021-3914	1	UCK	Alcohol Analysis
M2021-3935	1	BCK	Alcohol Analysis
M2021-3939	1	BCK	Alcohol Analysis
M2021-3939	2	BCK	Alcohol Analysis
M2021-3940	1	BCK	Alcohol Analysis
M2021-3942	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): 9/3/2021**

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	0.0722 g/100cc
					0.0751 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2074 g/100cc
					0.2069 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

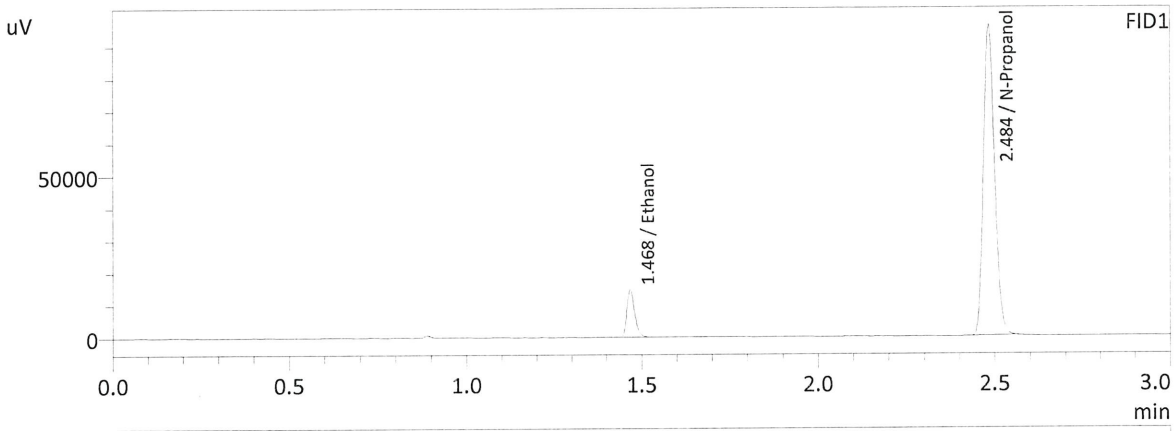
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc

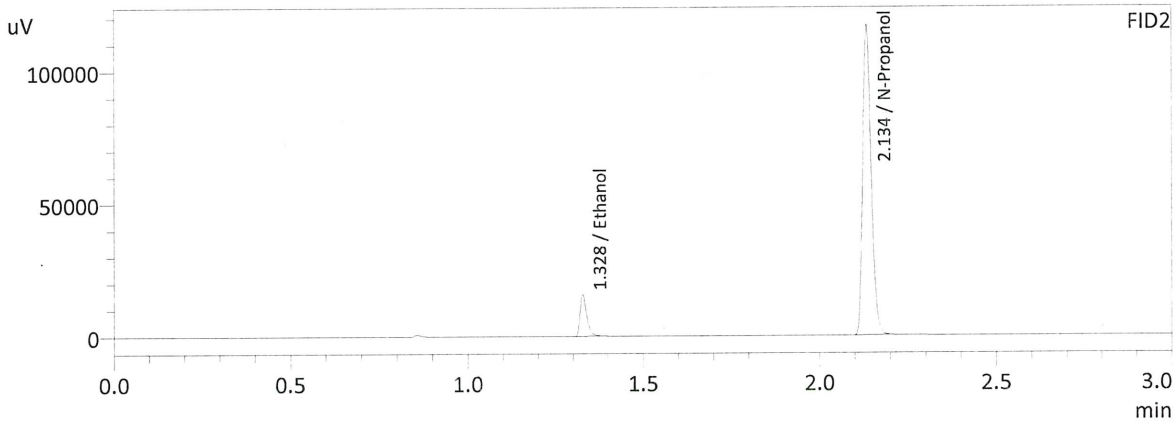
Meridian Blood Alcohol Analysis Batch Table

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





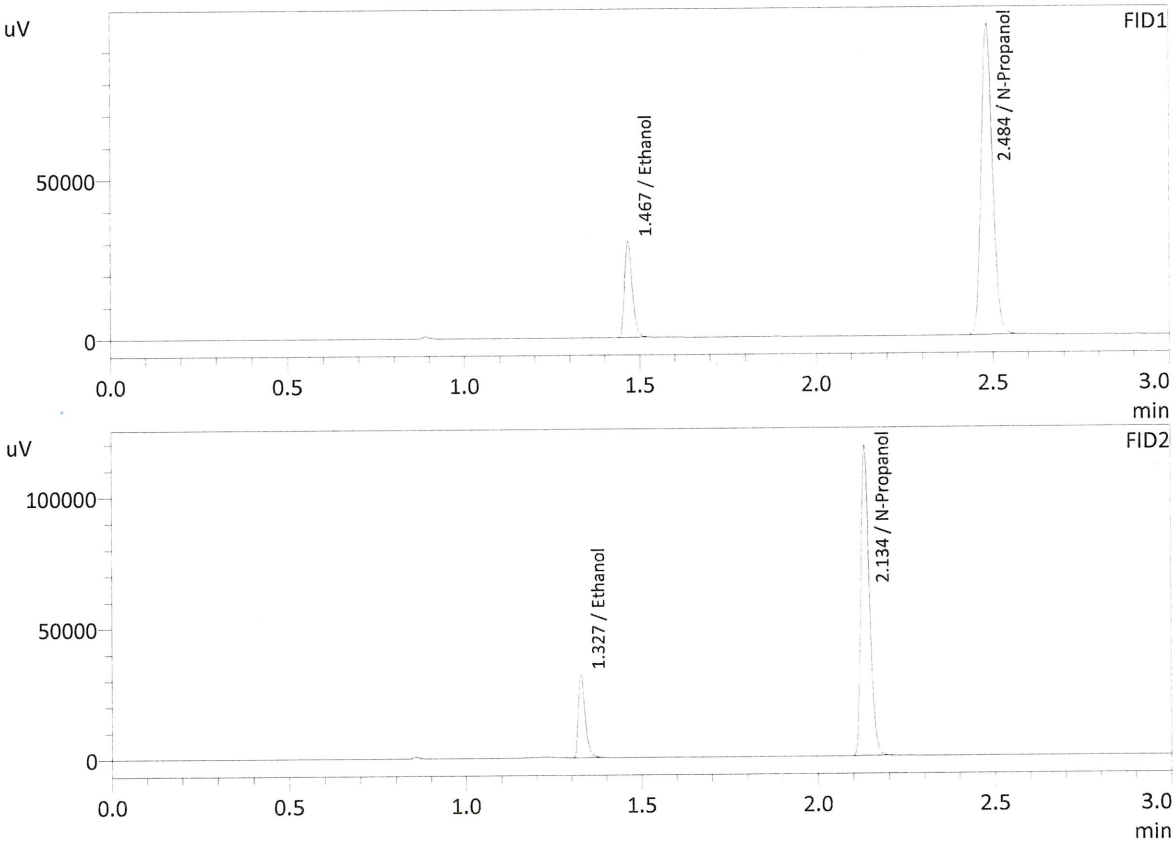
FID1

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



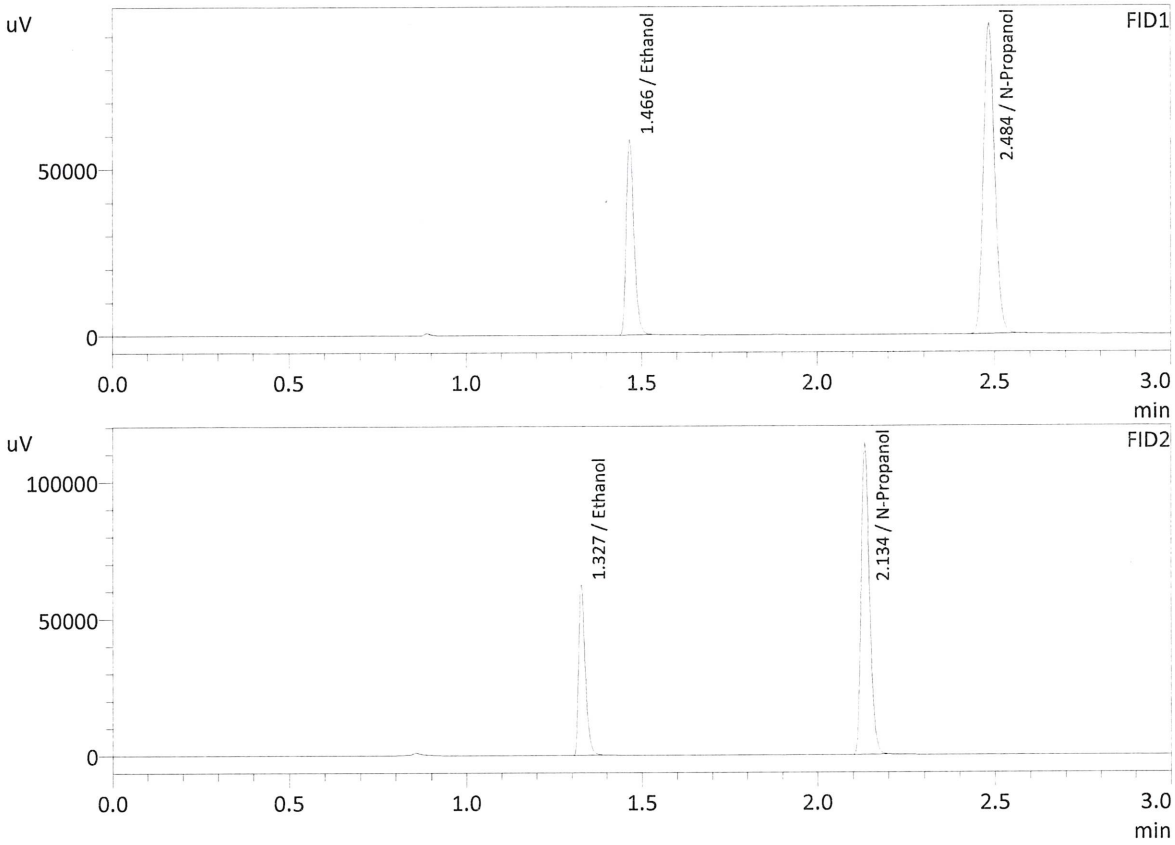
FID1

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

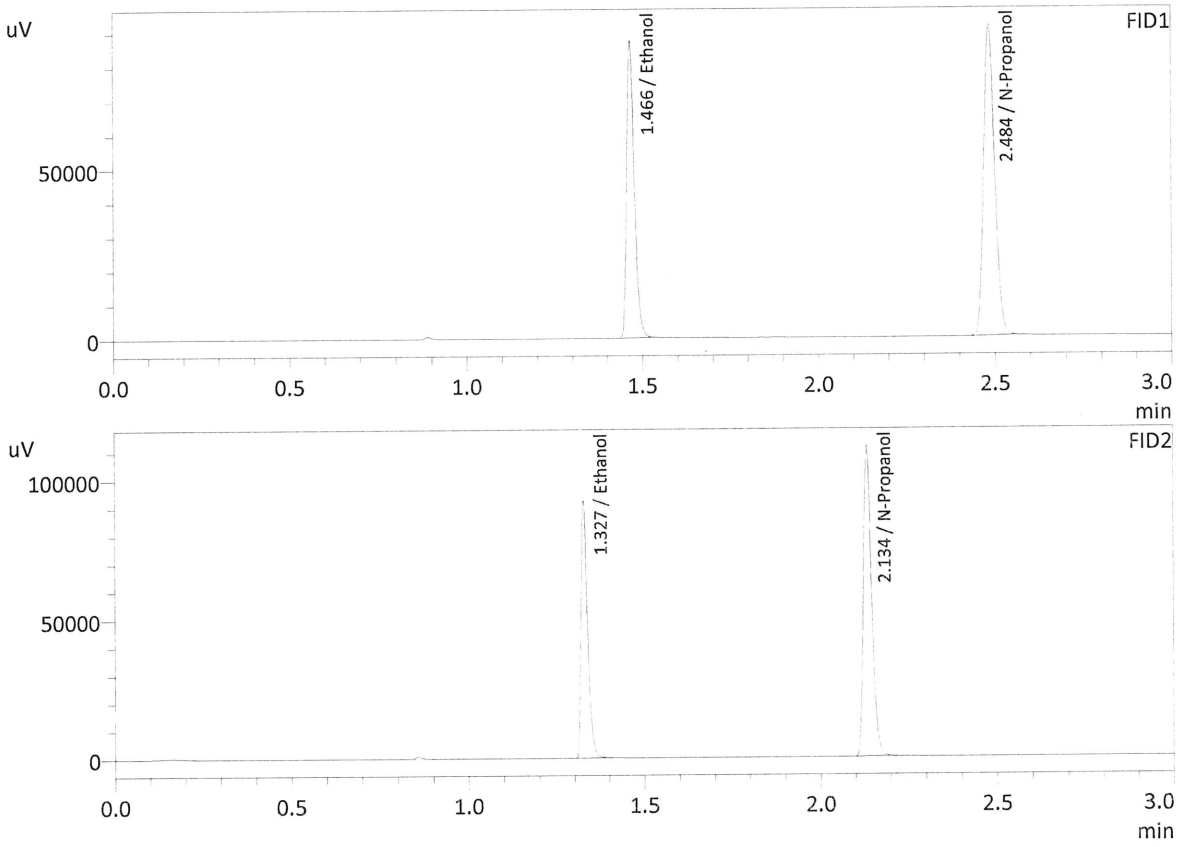
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	89749	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205591	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

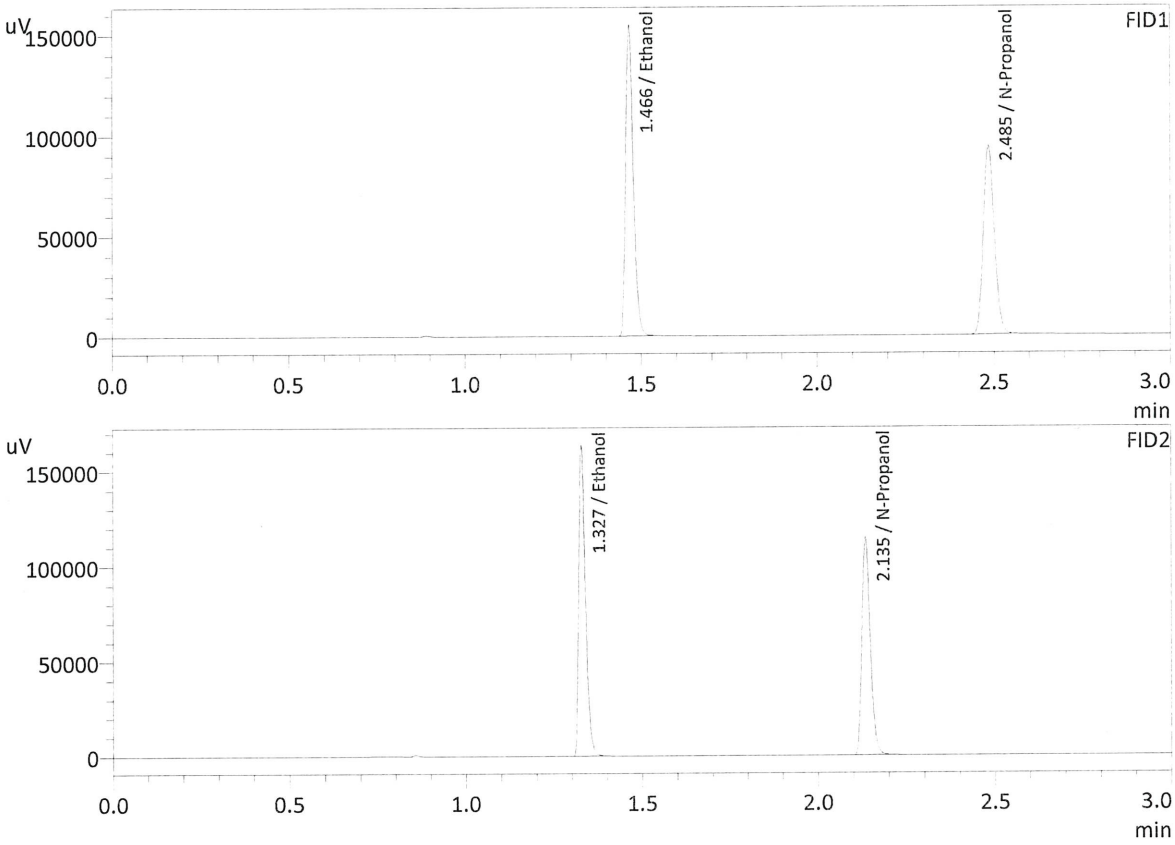
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2957	133165	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201045	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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



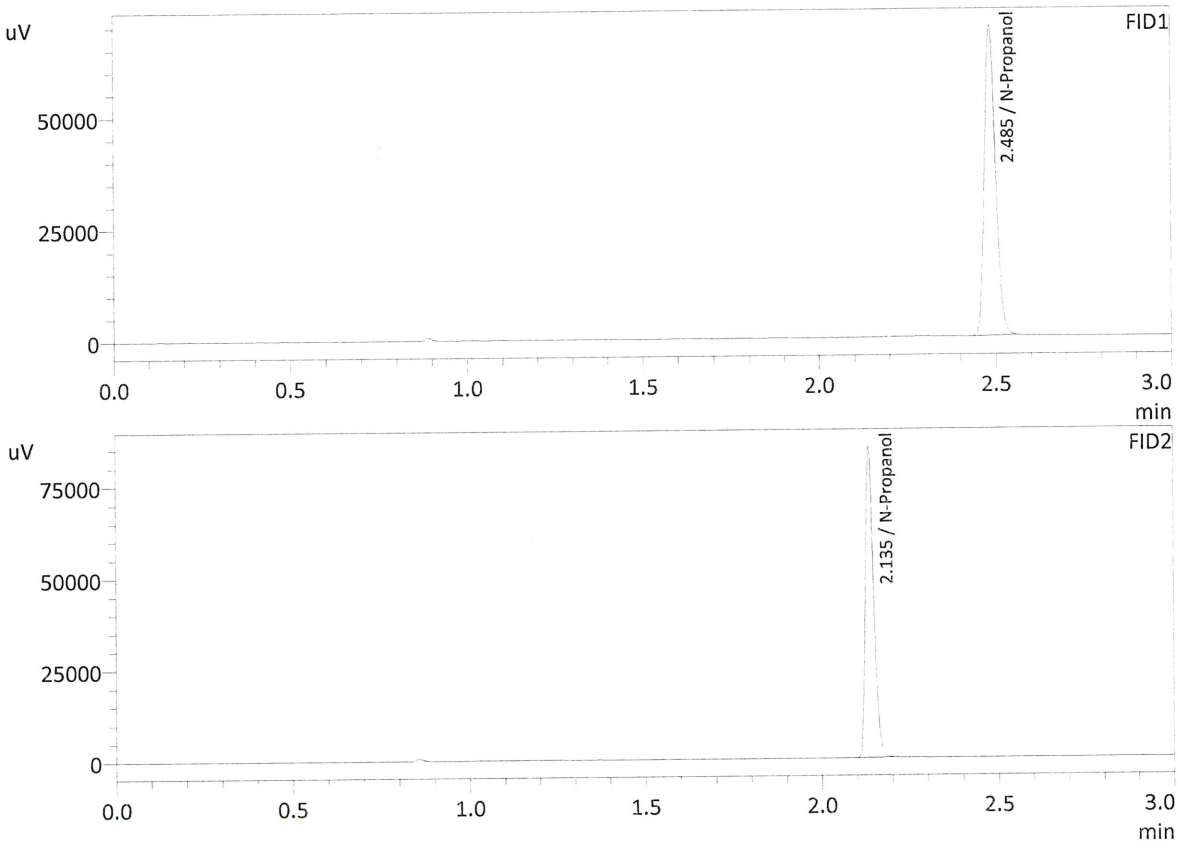
FID1

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

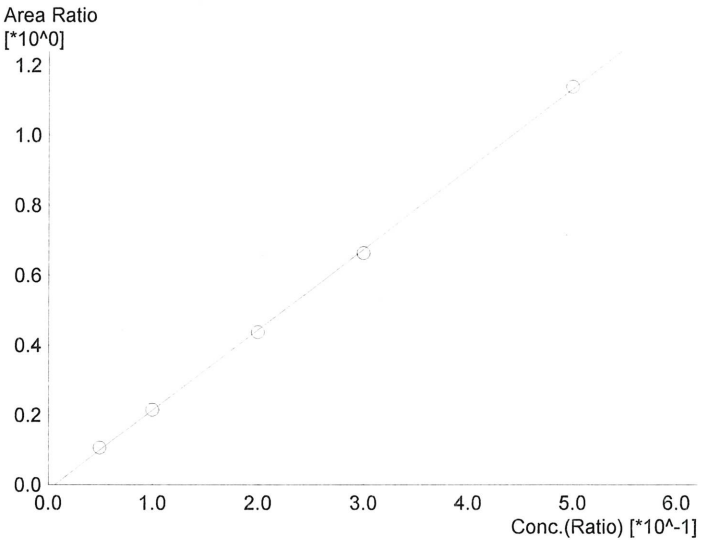
Calibration Table

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

W

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

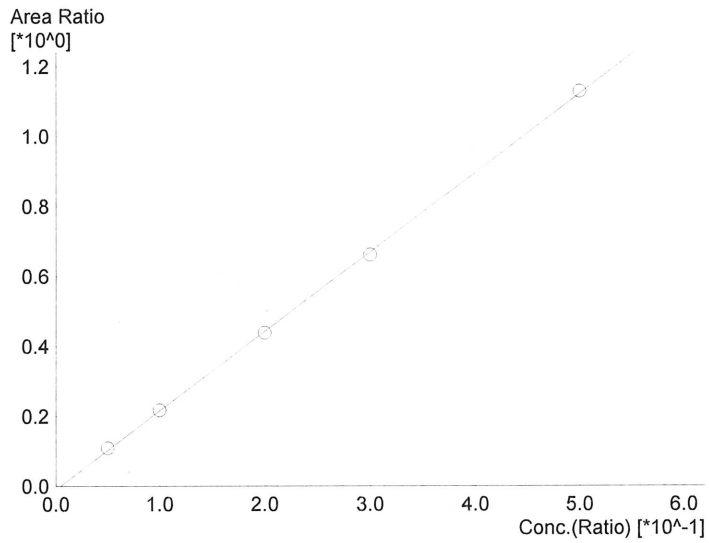
#	Conc.	Area	Std. Conc.

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.

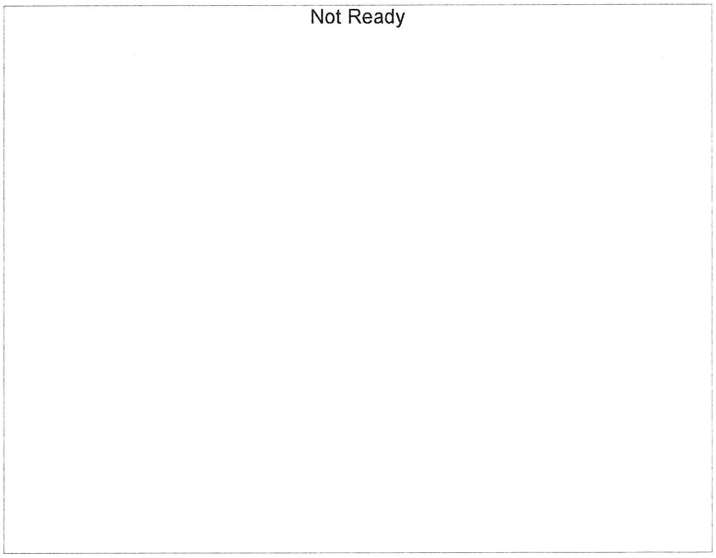
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



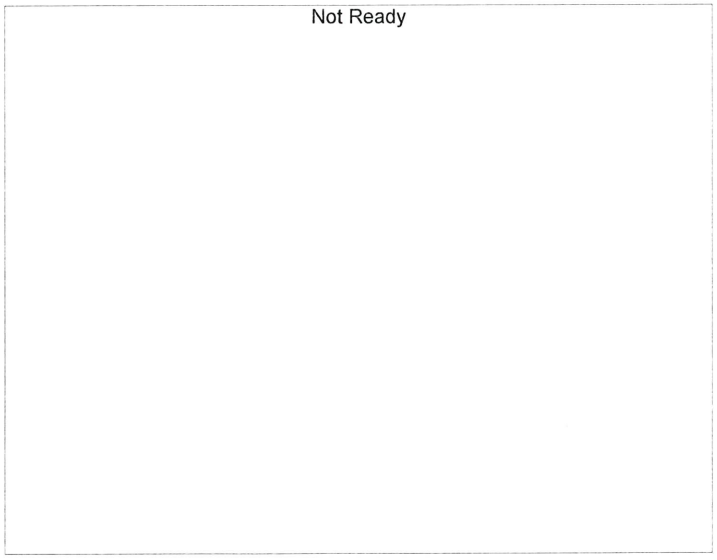
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.26606*x-0.0111358
R^2 value= 0.9997440
FitType: Linear
ZeroThrough: Not Through

#	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



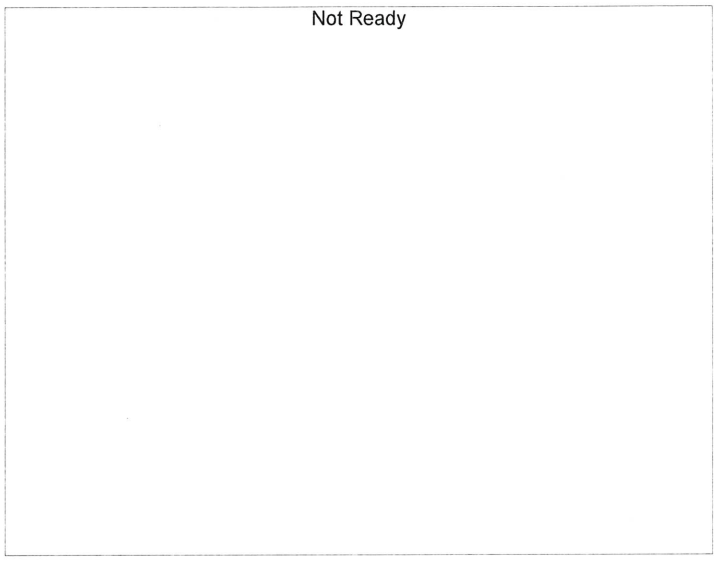
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

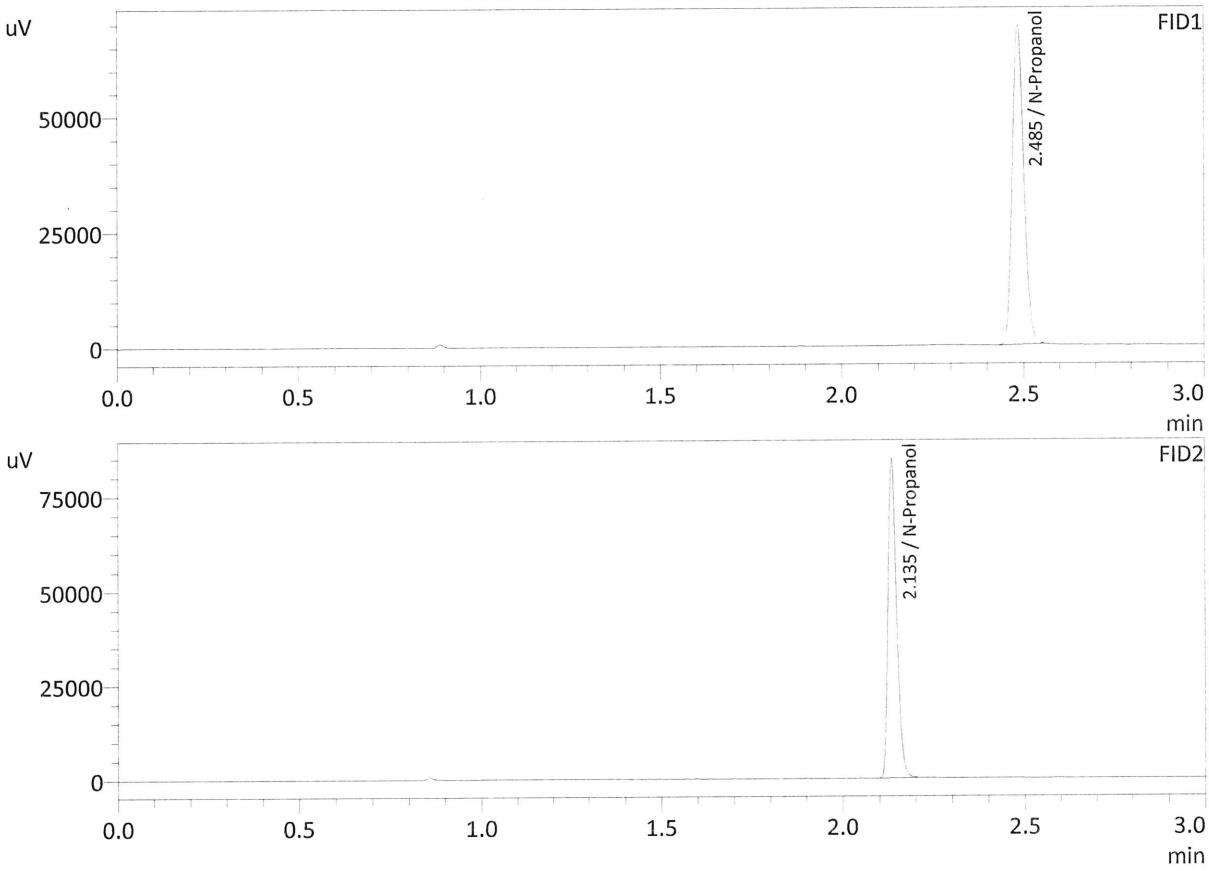
#	Conc.	Area	Std. Conc.



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

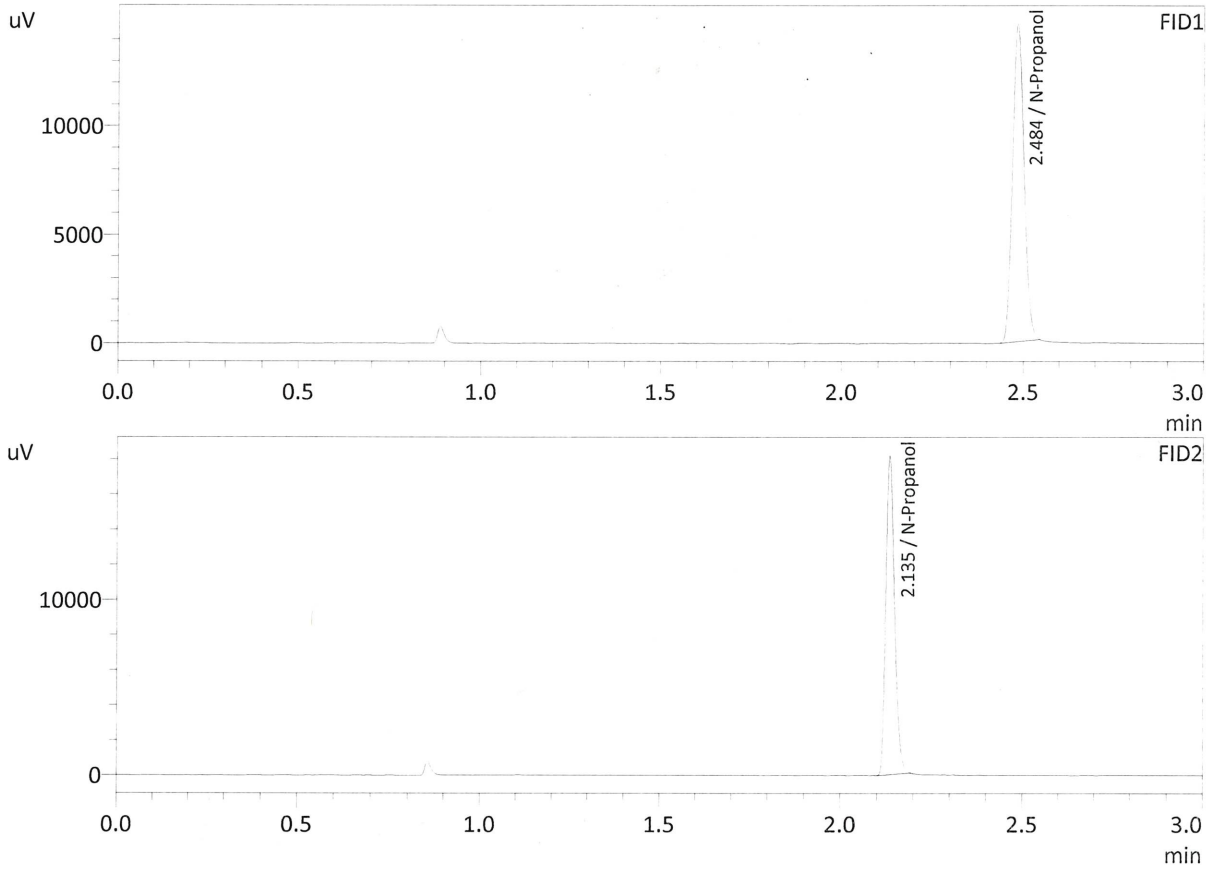
N

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 BLANK	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	M2021-3317-3-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
8	M2021-3317-3-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
9	M2021-3802-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
10	M2021-3802-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
11	M2021-3826-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
12	M2021-3826-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
13	M2021-3834-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
14	M2021-3834-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
15	M2021-3835-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
16	M2021-3835-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
17	M2021-3837-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
18	M2021-3837-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
19	M2021-3838-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
20	M2021-3838-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
21	M2021-3849-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
22	M2021-3849-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
23	M2021-3856-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
24	M2021-3856-1-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	M2021-3873-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
28	M2021-3873-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
29	M2021-3896-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
30	M2021-3896-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
31	M2021-3904-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
32	M2021-3904-2-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
33	M2021-3905-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
34	M2021-3905-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
35	M2021-3906-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
36	M2021-3906-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
37	M2021-3907-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
38	M2021-3907-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
39	M2021-3914-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
40	M2021-3914-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
41	M2021-3935-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
42	M2021-3935-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
43	M2021-3939-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
44	M2021-3939-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
45	M2021-3939-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
46	M2021-3939-2-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	M2021-3940-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
50	M2021-3940-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
51	M2021-3942-1-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
52	M2021-3942-1-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
53	QC2-2-A	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
54	QC2-2-B	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
55	INT STD BLANK	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
56	DFE 1119140M	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
57	INT STD BLANK	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
58	TFE 111914	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
59	INT STD BLANK	C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 9/3/2021 11:14:47 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



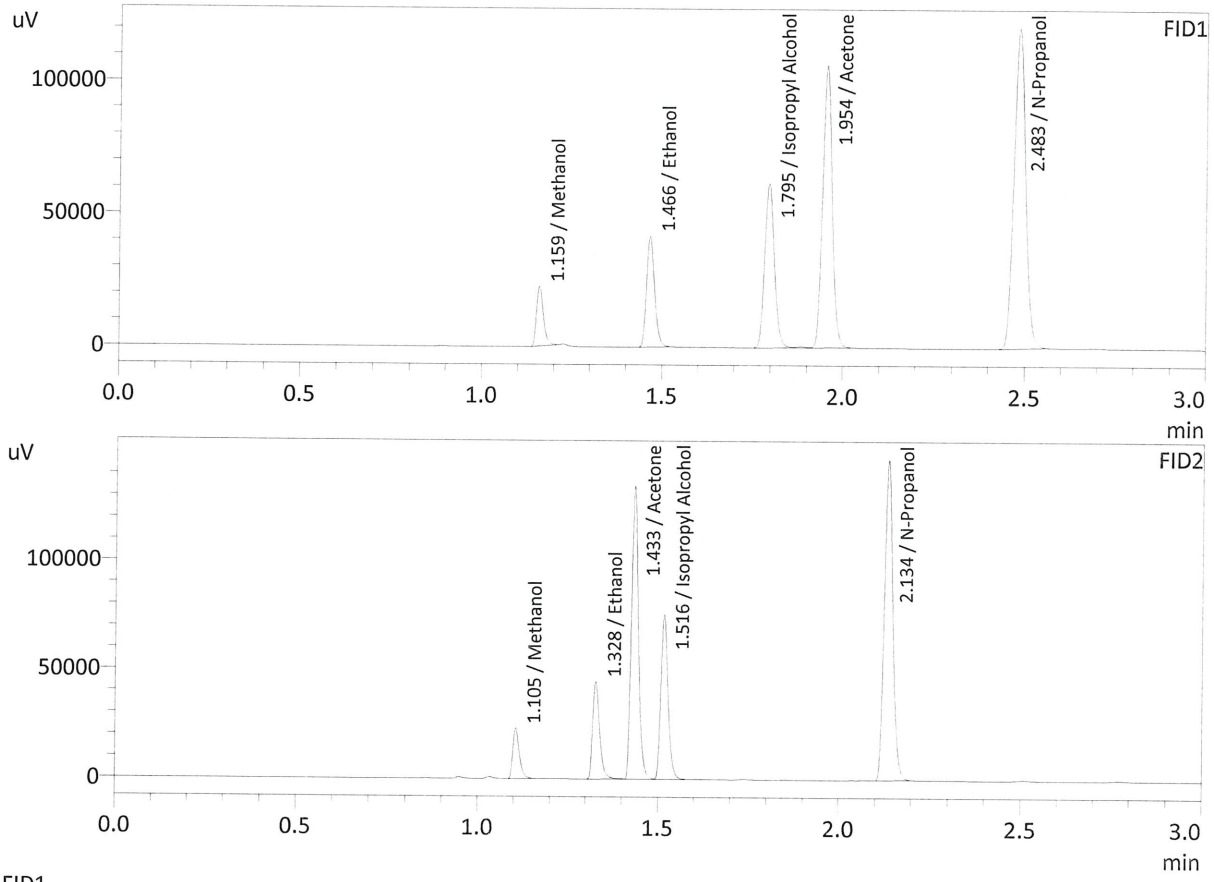
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	32384	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	30568	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 9/3/2021 11:22:07 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	30227	g/100cc
Ethanol	0.1127	64271	g/100cc
Isopropyl Alcohol	0.0000	115665	g/100cc
Acetone	0.0000	198615	g/100cc
N-Propanol	0.0000	264782	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	28814	g/100cc
Ethanol	0.1142	59911	g/100cc
Acetone	0.0000	181673	g/100cc
Isopropyl Alcohol	0.0000	106198	g/100cc
N-Propanol	0.0000	241775	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Analysis Date(s): 9/3/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0722	0.0717	0.0005	0.0719	0.0005	0.0722
(g/100cc)	0.0727	0.0722	0.0005	0.0724		

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

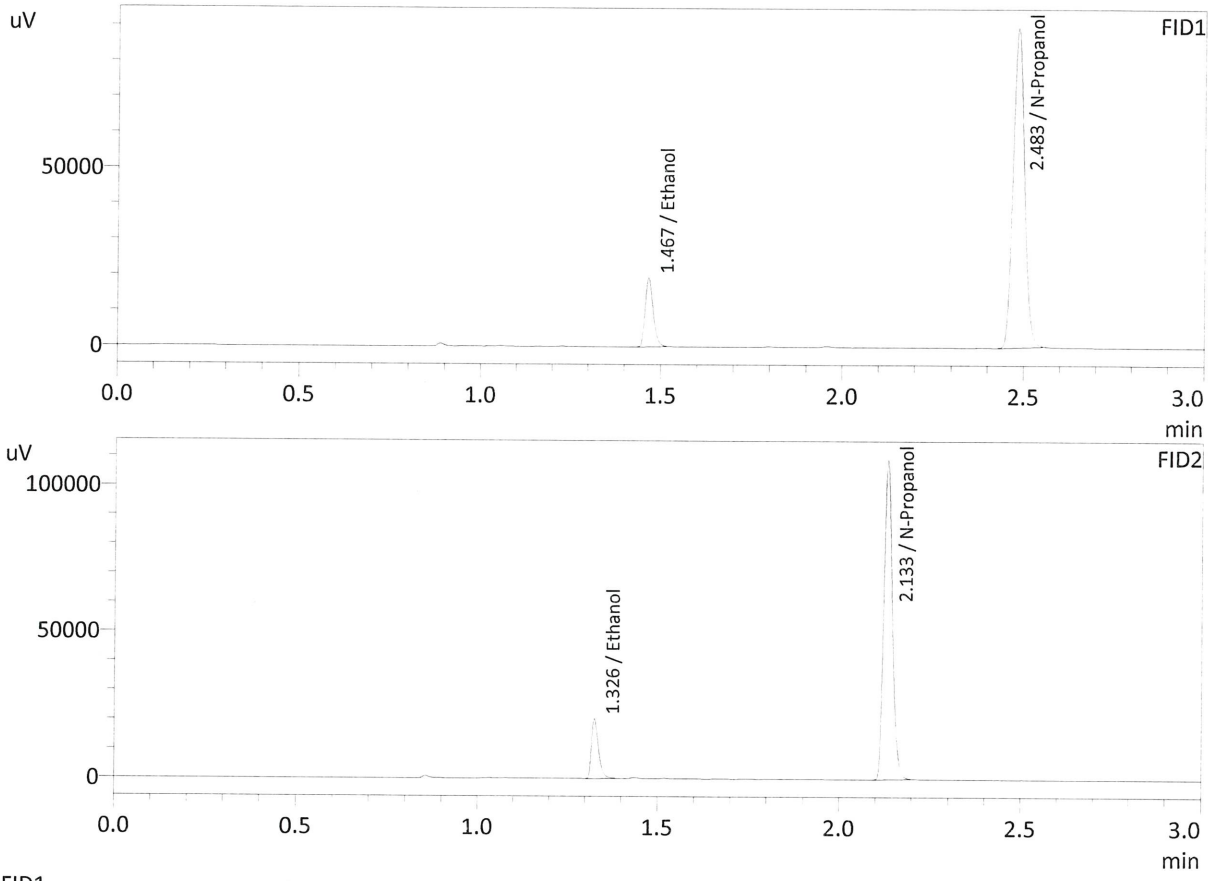
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 9/3/2021 11:29:28 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



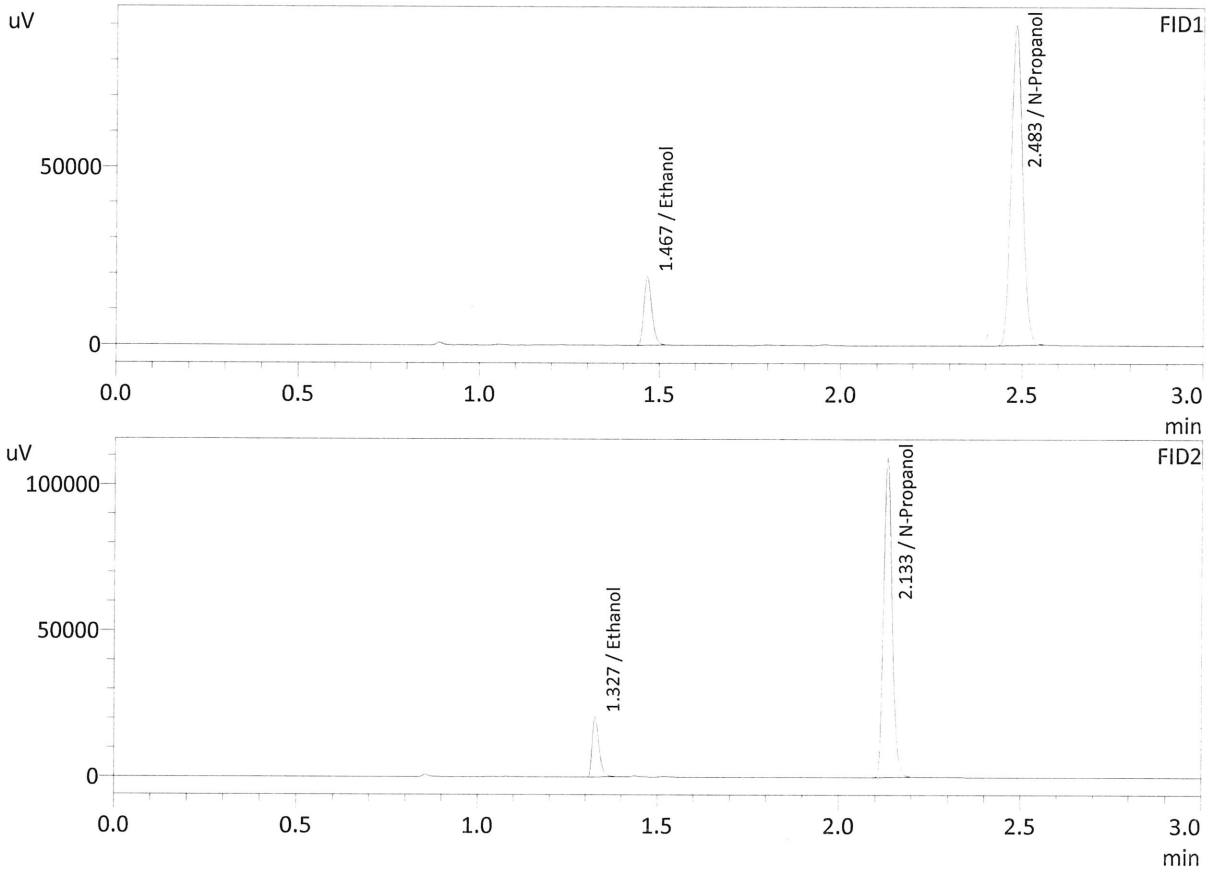
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0722	29512	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197025	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0717	27383	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180800	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/3/2021 11:38:20 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	0.0727	29720	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197021	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0722	27587	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180856	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QA 0.08 **Analysis Date(s): 9/3/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0817	0.0003	0.0818	0.0042	0.0839
(g/100cc)	0.0861	0.0860	0.0001	0.0860		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

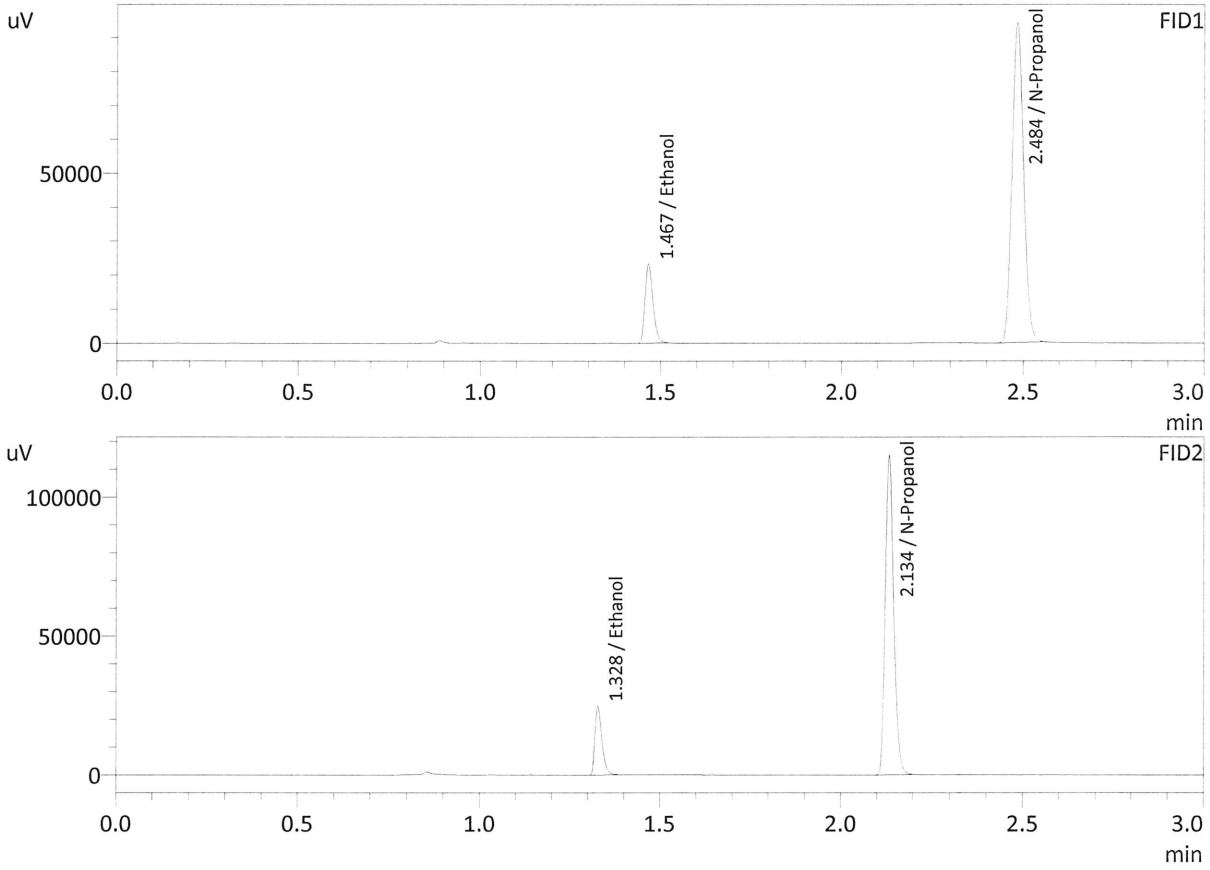
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.083	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 9/3/2021 11:46:01 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



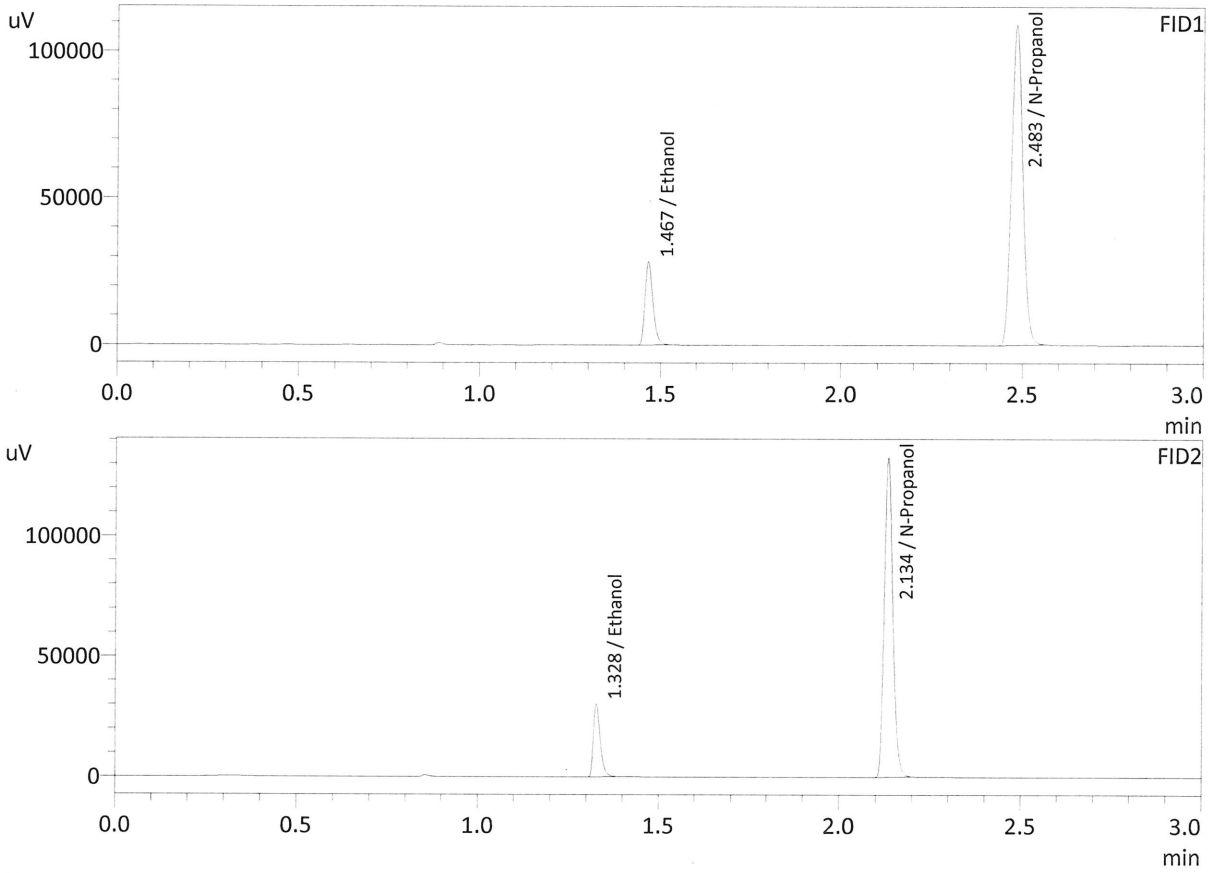
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	35662	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	33093	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190080	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/3/2021 11:54:15 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	0.0861	43535	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239647	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0860	40345	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219502	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 9/3/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2086	0.2093	0.0007	0.2089	0.0030	0.2074
(g/100cc)	0.2057	0.2062	0.0005	0.2059		

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

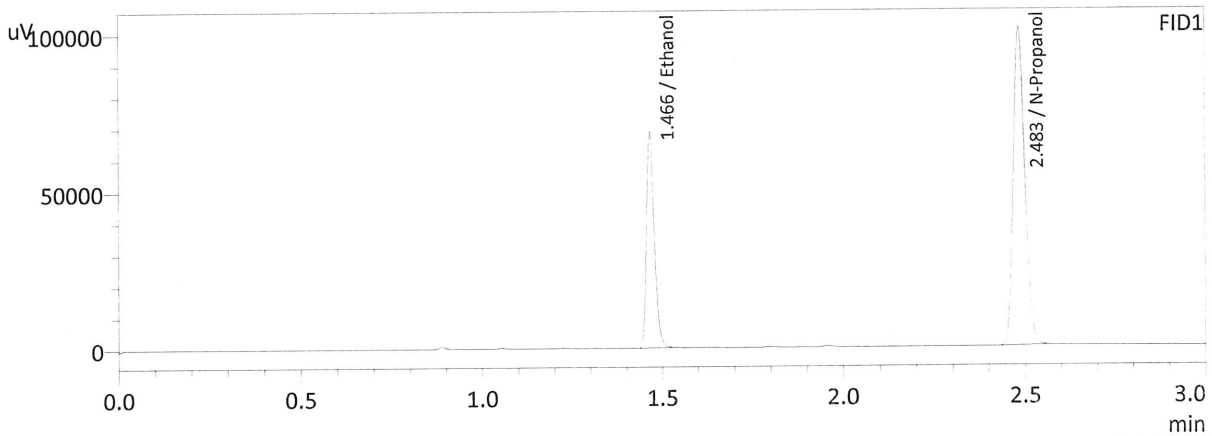
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

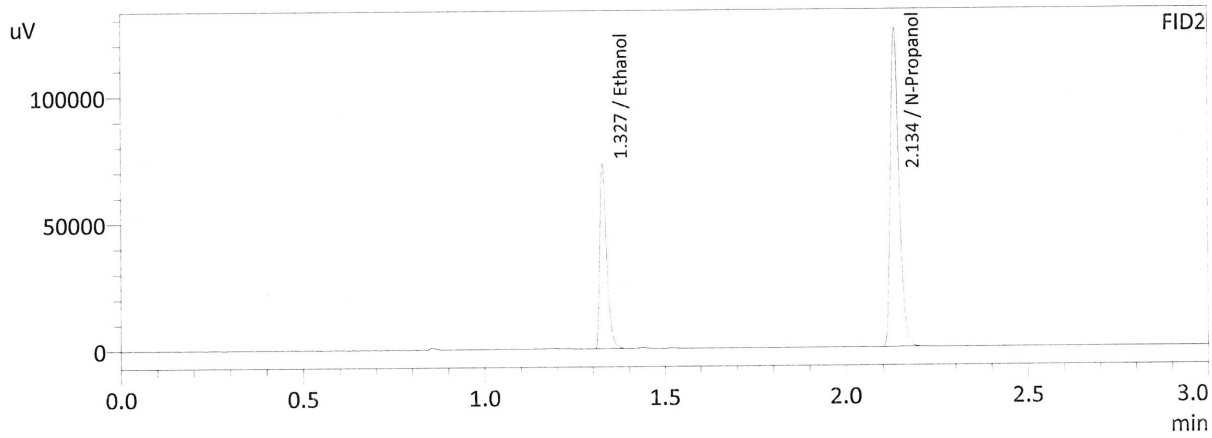
Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	0.196	0.218	0.011

	Reported Result	
	0.207	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 9/3/2021 2:27:05 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





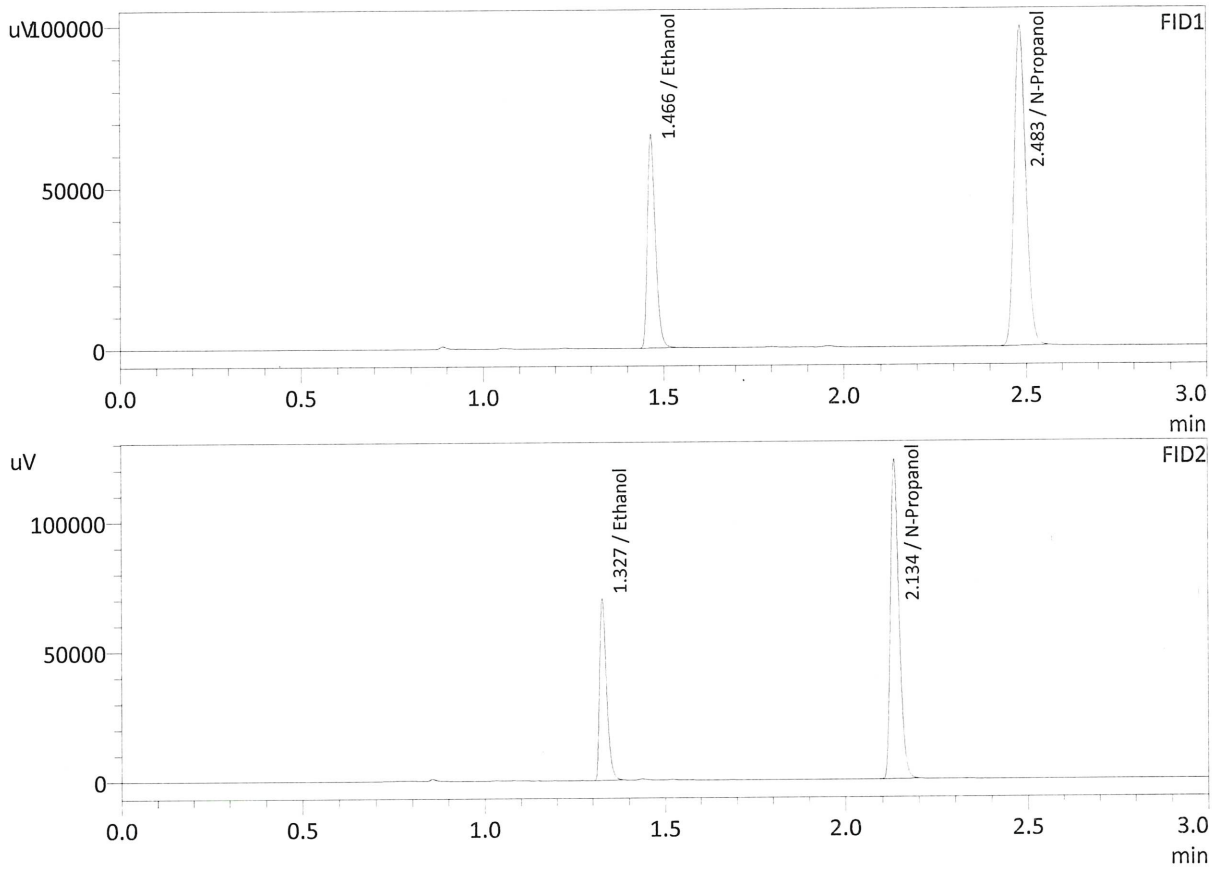
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2086	104679	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226269	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2093	96162	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207605	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/3/2021 2:34:50 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	0.2057	100888	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221255	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2062	92617	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203041	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 9/3/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0754	0.0751	0.0003	0.0752	0.0001	0.0751
(g/100cc)	0.0753	0.0749	0.0004	0.0751		

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

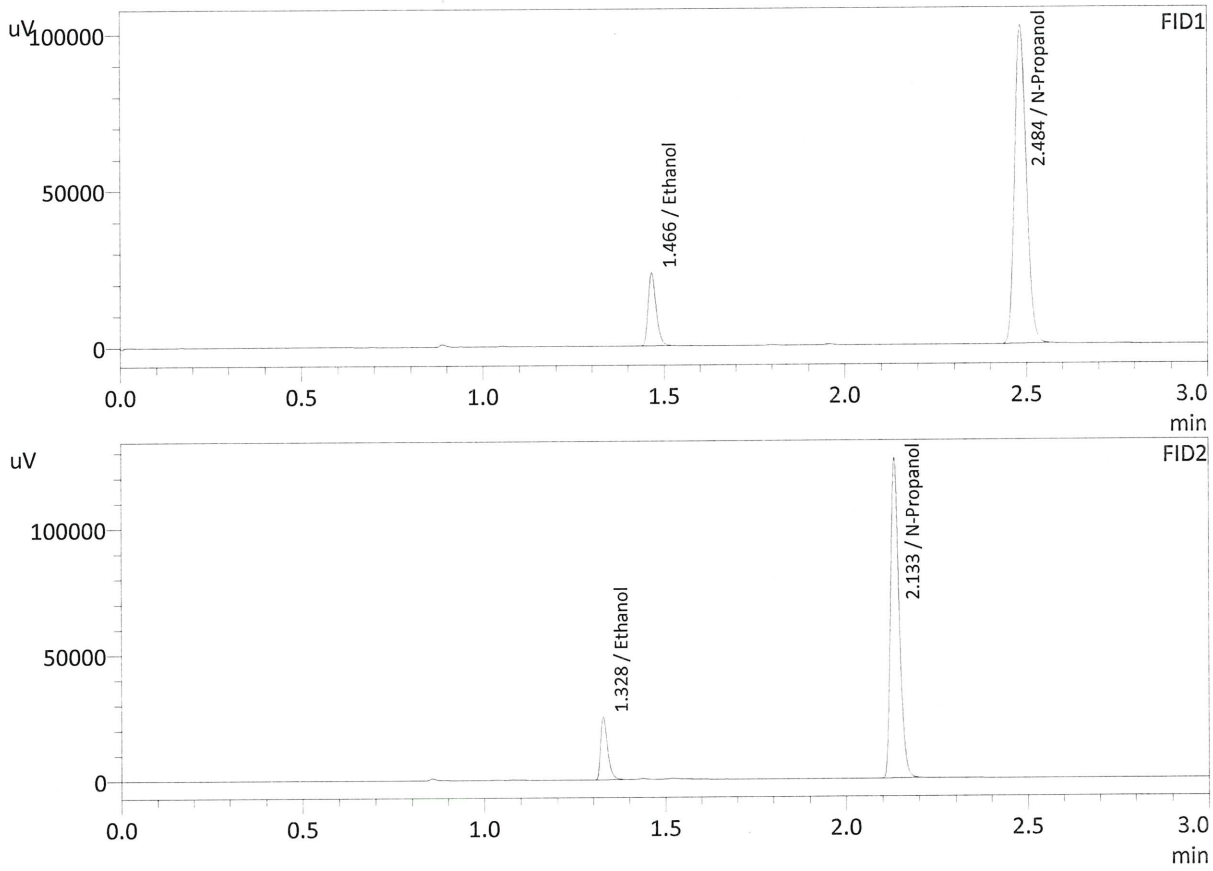
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 9/3/2021 5:22:31 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



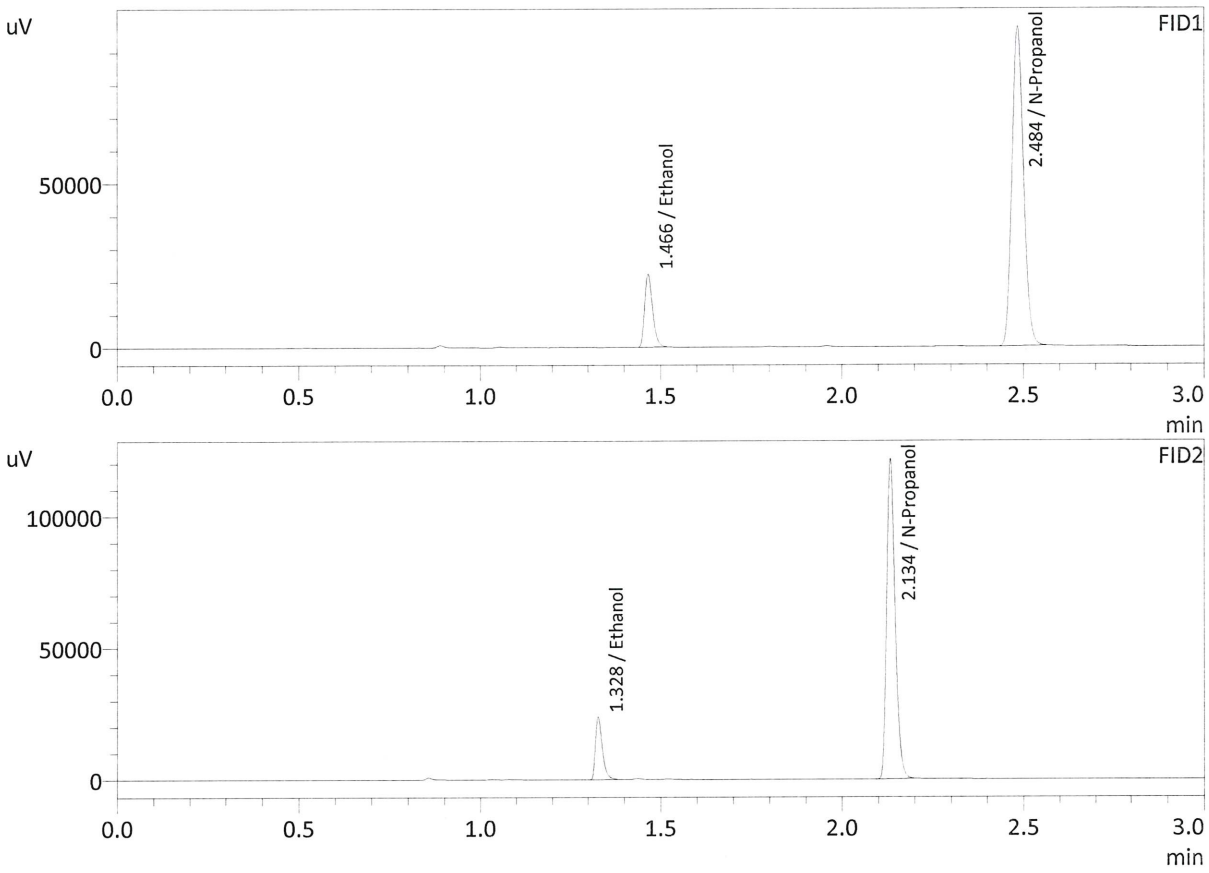
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0754	35789	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227848	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0751	33228	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208839	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 9/3/2021 5:32:01 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	0.0753	34167	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217890	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0749	31730	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199843	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Analysis Date(s): 9/3/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2061	0.2067	0.0006	0.2064	0.0011	0.2069
(g/100cc)	0.2070	0.2080	0.0010	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

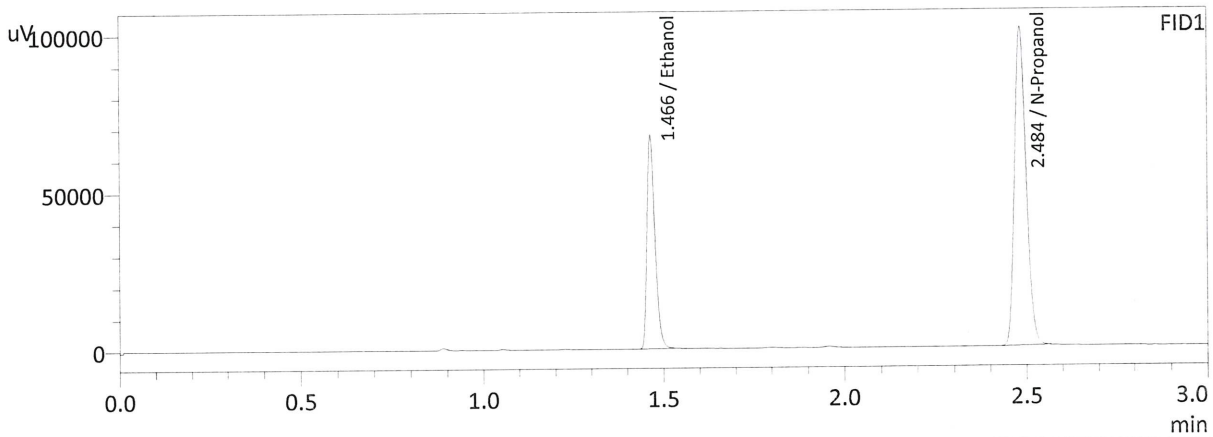
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

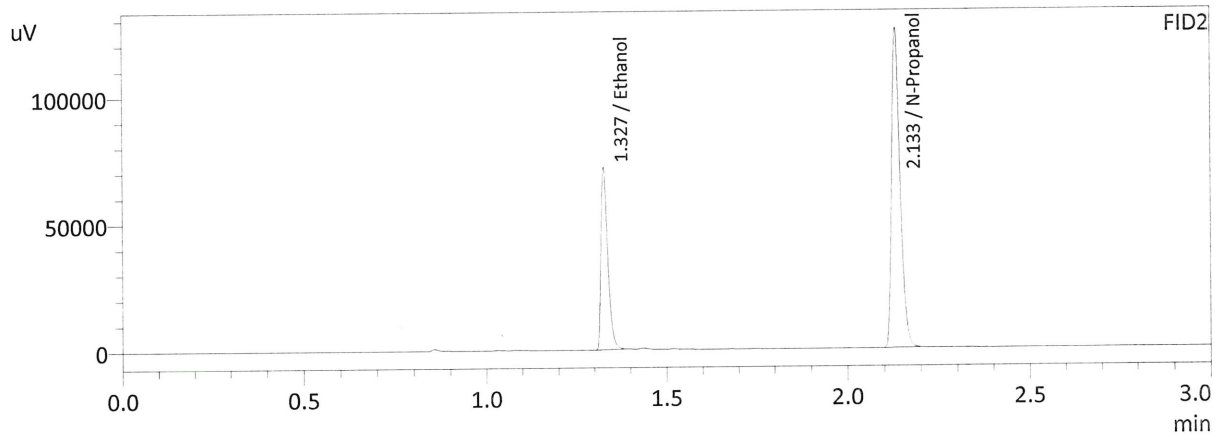
Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	**0.195**	**0.217**	**0.011**

	Reported Result	
	0.206	

Calibration and control data are stored centrally.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 9/3/2021 6:11:35 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





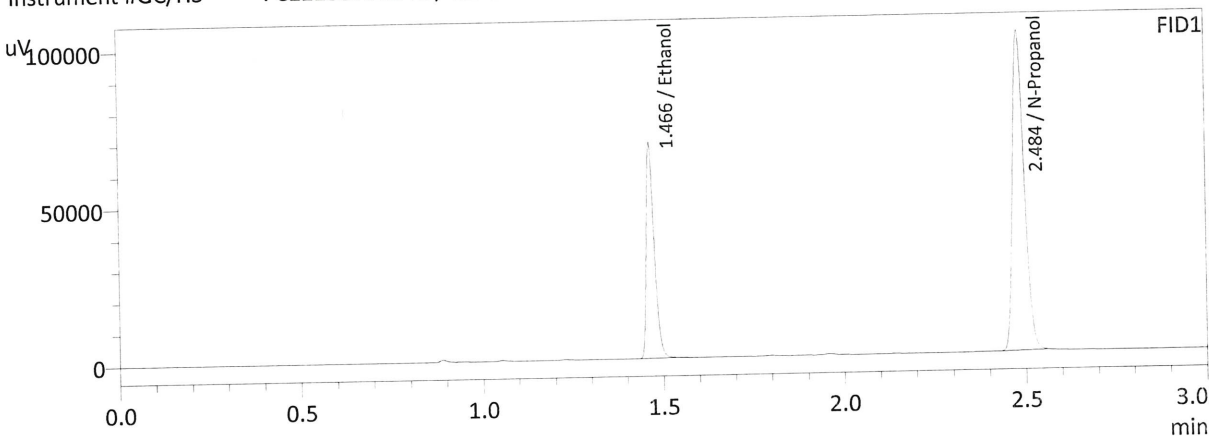
FID1

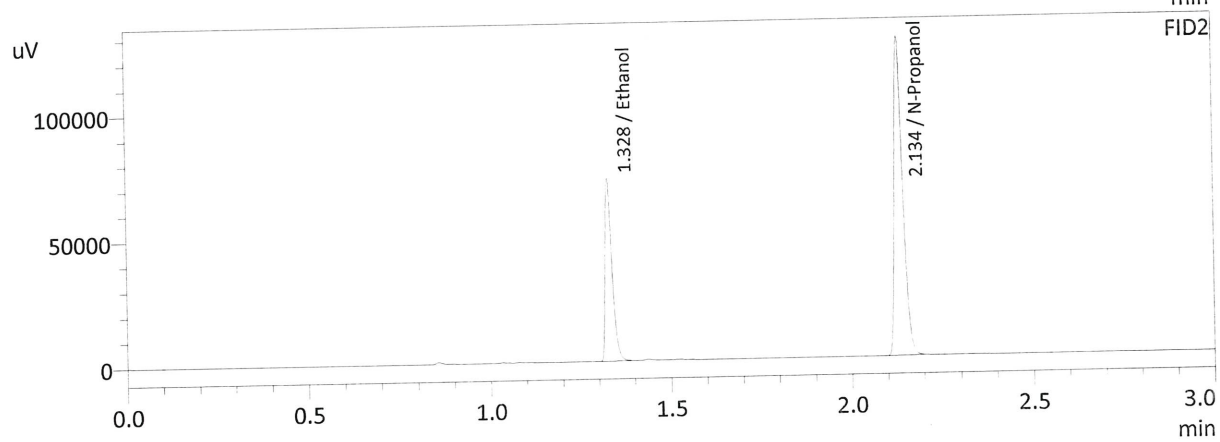
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2061	103212	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225884	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2067	94663	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206995	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 9/3/2021 6:20:45 PM
Vial # : 54
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





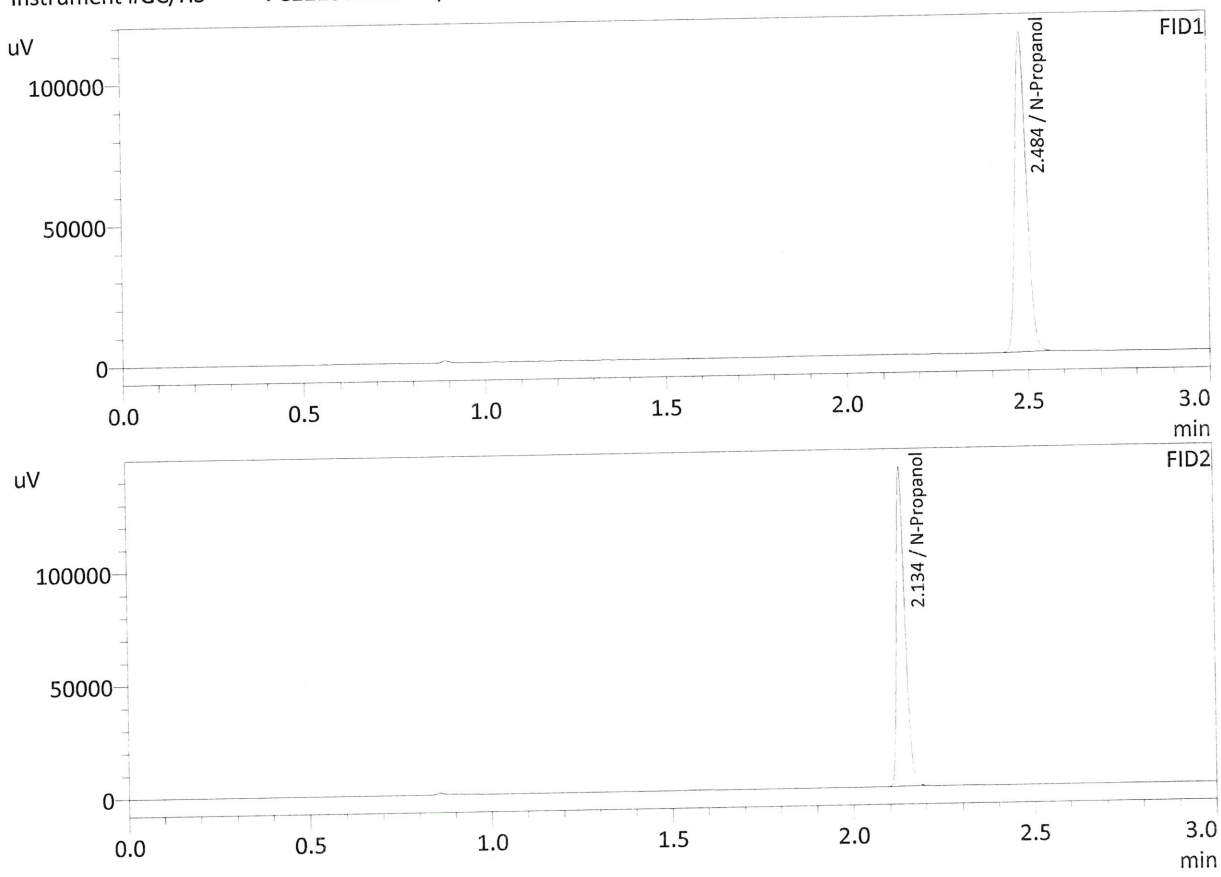
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2070	104645	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228007	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	96179	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208962	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 9/3/2021 6:28:23 PM
Vial # : 55
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



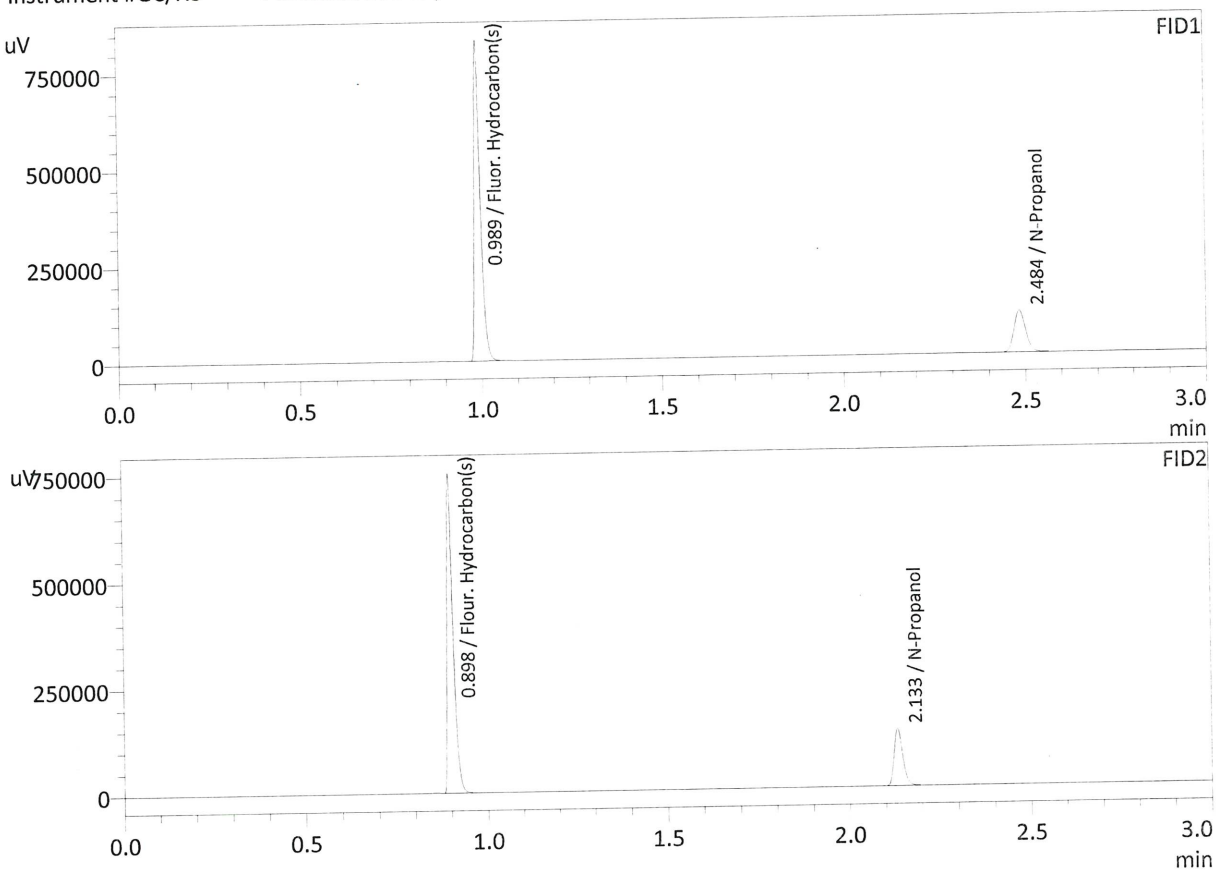
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254076	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	232593	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 1119140M
Laboratory : Meridian
Injection Date : 9/3/2021 6:36:19 PM
Vial # : 56
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

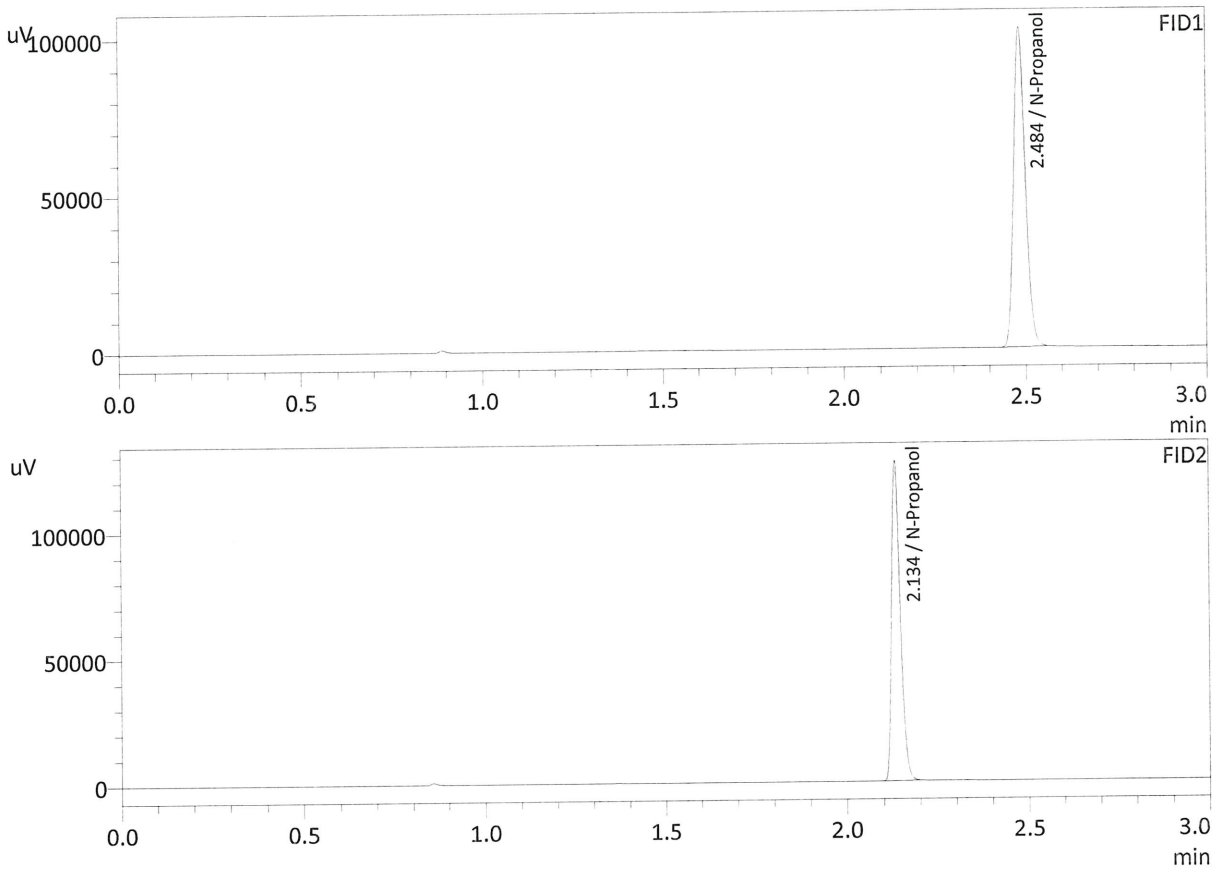
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241836	g/100cc
Fluor. Hydrocarbon(s)	0.0000	987711	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221591	g/100cc
Flour. Hydrocarbon(s)	0.0000	866753	g/100cc

W

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 9/3/2021 6:45:40 PM
Vial # : 57
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



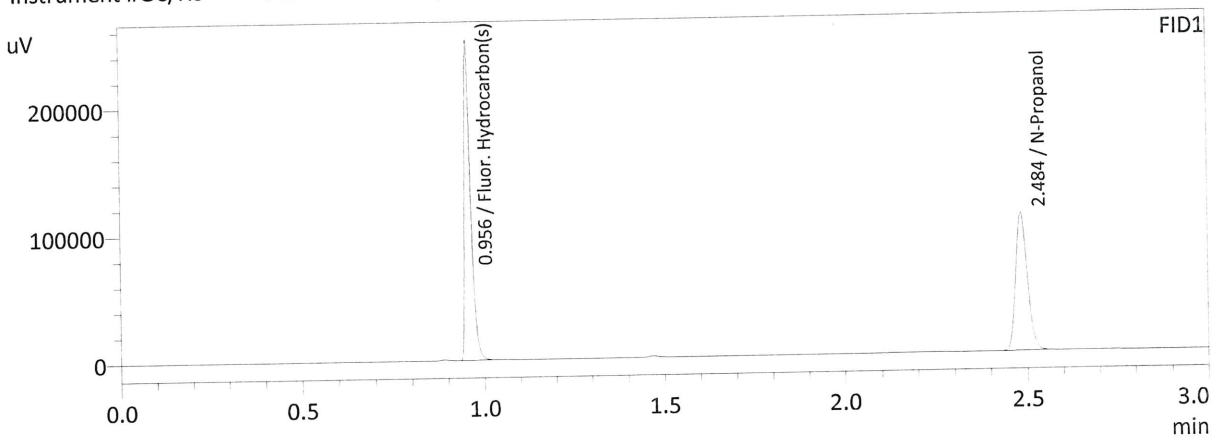
FID1

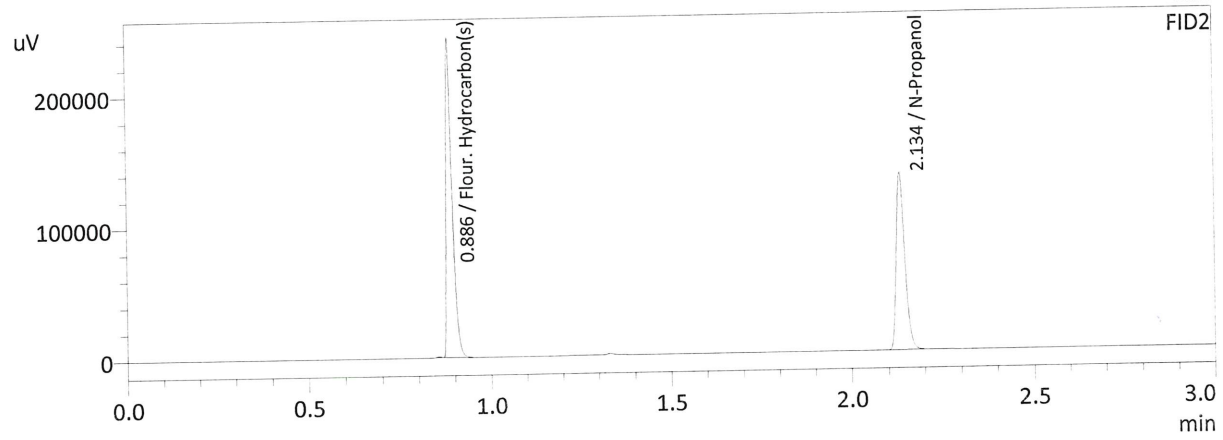
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227836	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208835	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 9/3/2021 6:52:57 PM
Vial # : 58
Method Filename : C:\LabSolutions\Data\210825\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





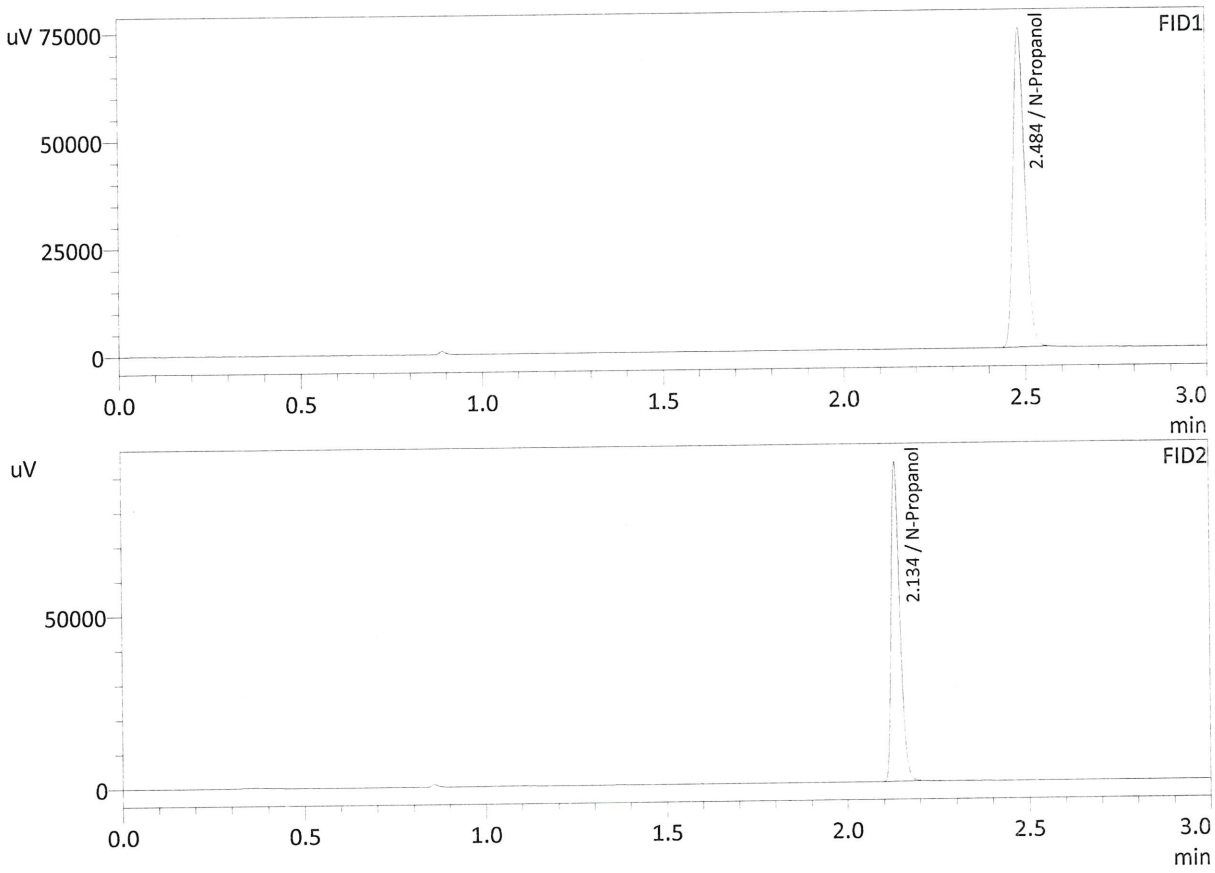
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	242141	g/100cc
Fluor. Hydrocarbon(s)	0.0000	305624	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221859	g/100cc
Flour. Hydrocarbon(s)	0.0000	280874	g/100cc

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 9/3/2021 7:01:07 PM
Vial # : 59
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	166353	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	153248	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc