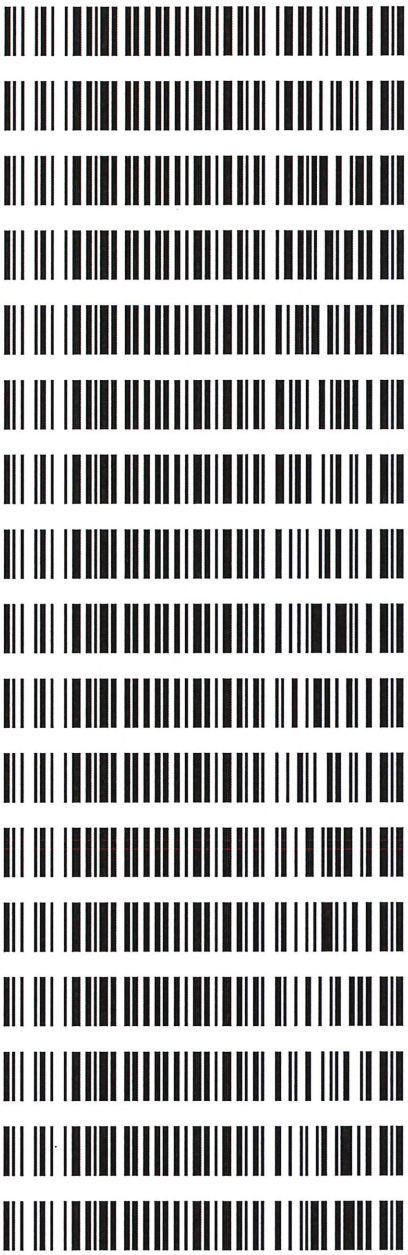
11/12/2021

Worklist: 5382

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-4744	1	BCK	Alcohol Analysis
M2021-4745	1	BCK	Alcohol Analysis
M2021-4746	1	BCK	Alcohol Analysis
M2021-4752	2	BCK	Alcohol Analysis
M2021-4805	1	BCK	Alcohol Analysis
M2021-4817	1	BCK	Alcohol Analysis
M2021-4818	1	BCK	Alcohol Analysis
M2021-4838	1	BCK	Alcohol Analysis
M2021-4849	1	BCK	Alcohol Analysis
M2021-4855	1 11/15/21 gg ~~2~~ 1	CSPILL	Alcohol Analysis
M2021-4862	1	BCK	Alcohol Analysis
M2021-4866	1	BCK	Alcohol Analysis
M2021-4876	1	BCK	Alcohol Analysis
M2021-4887	1	BCK	Alcohol Analysis
M2021-4901	1	BCK	Alcohol Analysis
M2021-4910	1	BCK	Alcohol Analysis
M2021-4911	1	BCK	Alcohol Analysis



In the case M2021-4855 item 1 was analyzed. Item 2 is not suitable for blood alchohol analysis so no mix up has occured. 11/15/21 gg

REVIEWED
By Jeremy Johnston at 1:17 pm, Nov 12, 2021

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: M600H11378

Volatiles Quality Assurance Controls **Run Date(s): 11/10/2021**

Calibration date: 11/10/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0739 g/100cc
					0.0774 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2093 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	FN07101701	OK
Curve Fit:		**Column 1**	0.99918	**Column2**	0.99942

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0560	0.0551	0.0009	0.0555
100	0.100	0.090 - 0.110	0.0993	0.0993	0	0.0993
200	0.200	0.180 - 0.220	0.1947	0.1954	0.0007	0.195
300	0.300	0.270 - 0.330	0.2955	0.2964	0.0009	0.2959
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5043	0.5035	0.0008	0.5039

Aqueous Controls

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

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

Meridian Blood Alcohol Analysis Batch Table

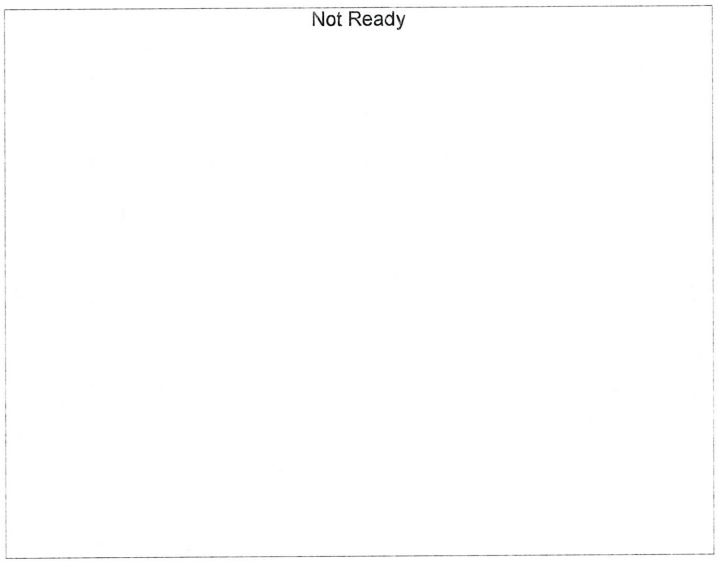
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	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

Calibration Table

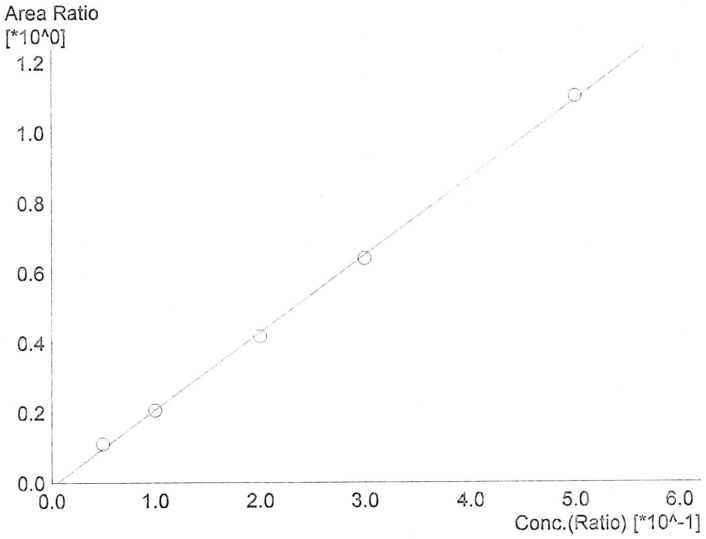
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\211110\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :11/10/2021 1:48:10 PM
Date Created :11/10/2021 1:43:43 PM
Date Modified :11/10/2021 1:51:12 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)=2.21115*x-0.0139551
R^2 value= 0.9991893
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20379	0.0560
2	0.100	41622	0.0993
3	0.200	82568	0.1947
4	0.300	126304	0.2955
5	0.500	241018	0.5043

Not Ready

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.

Not Ready

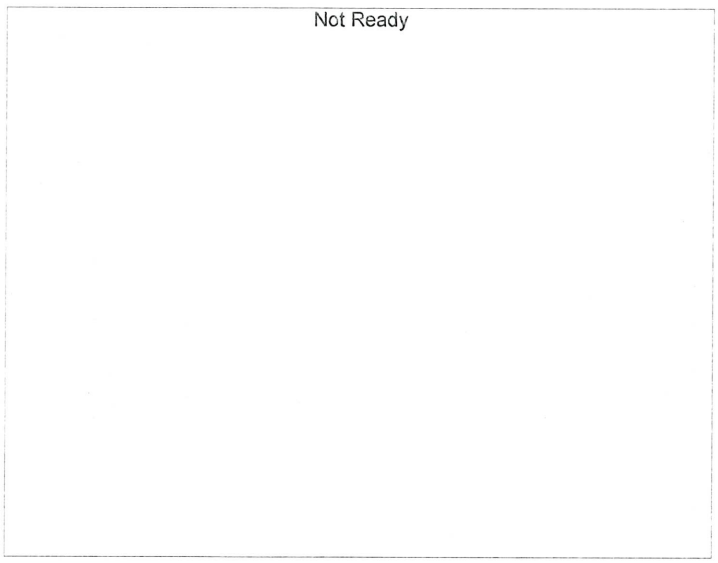
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

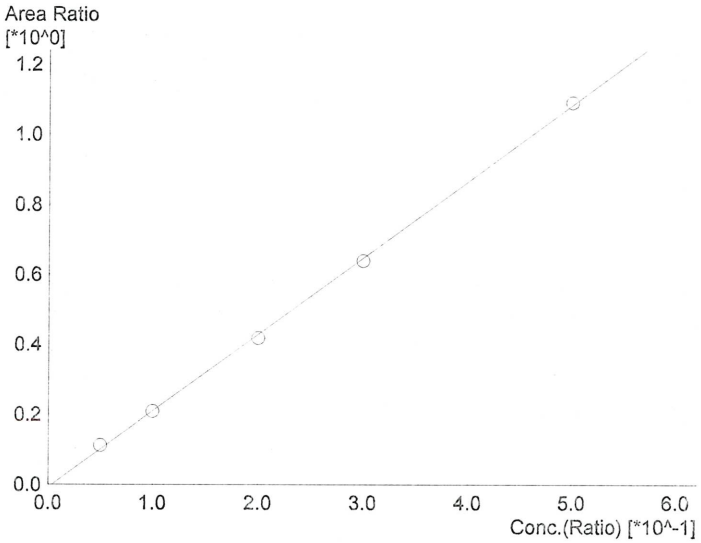
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



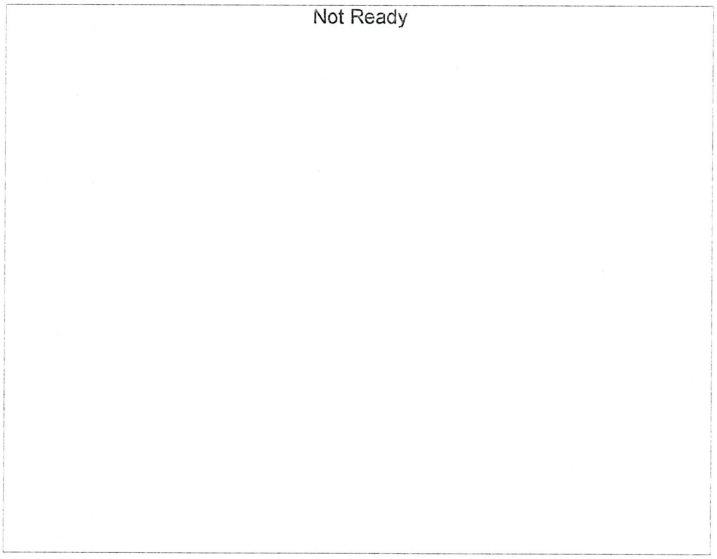
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



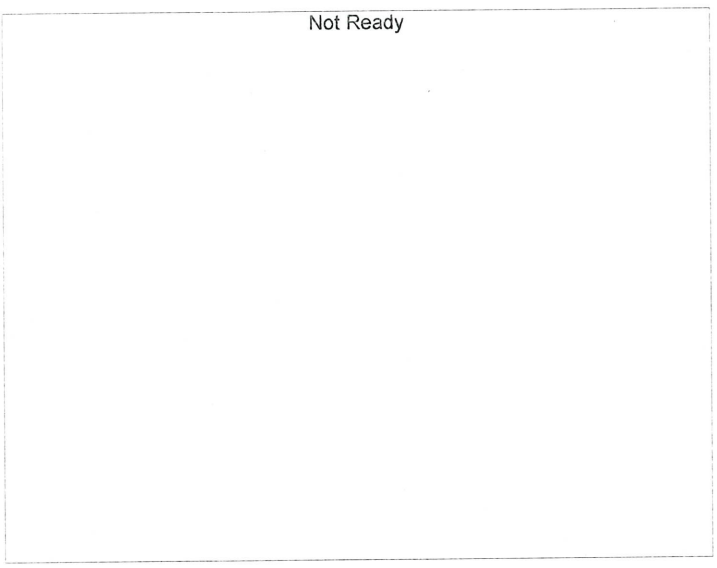
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.18295*x-0.00872257
R^2 value= 0.9994293
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19388	0.0551
2	0.100	39338	0.0993
3	0.200	77225	0.1954
4	0.300	117320	0.2964
5	0.500	221880	0.5035



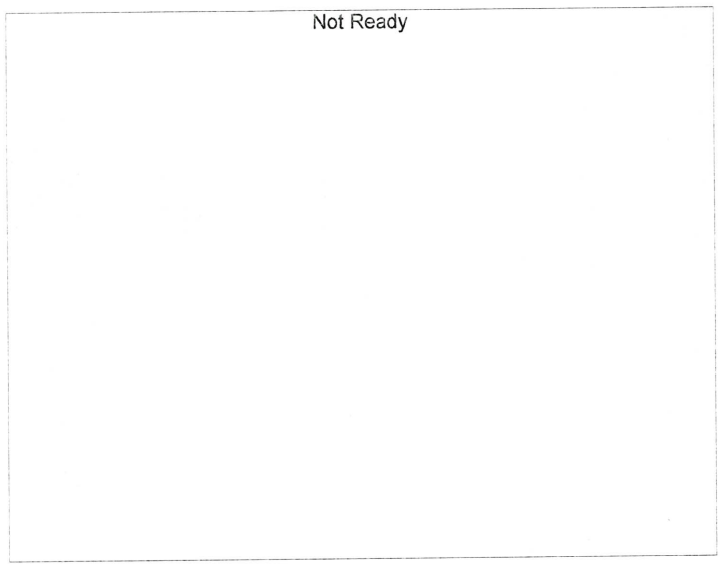
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

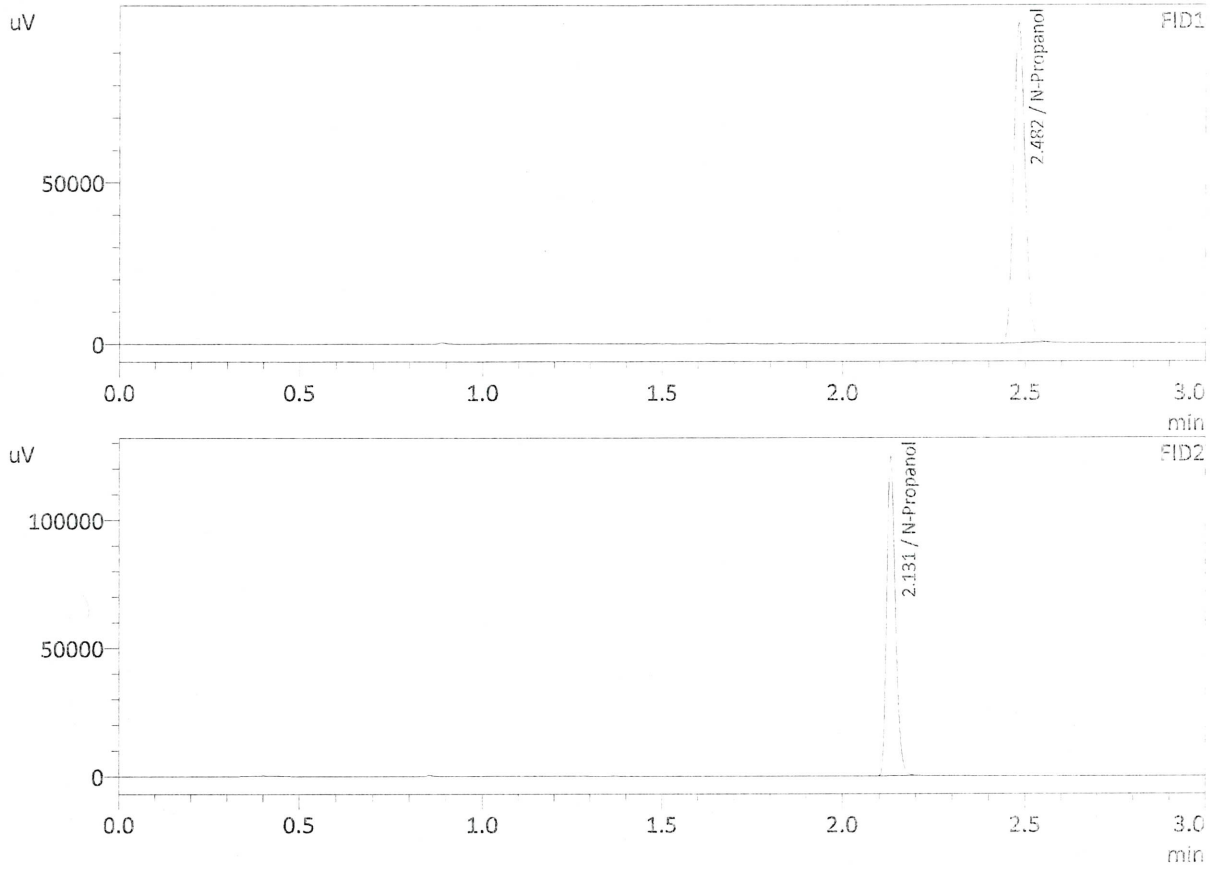
#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 11/10/2021 1:56:18 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



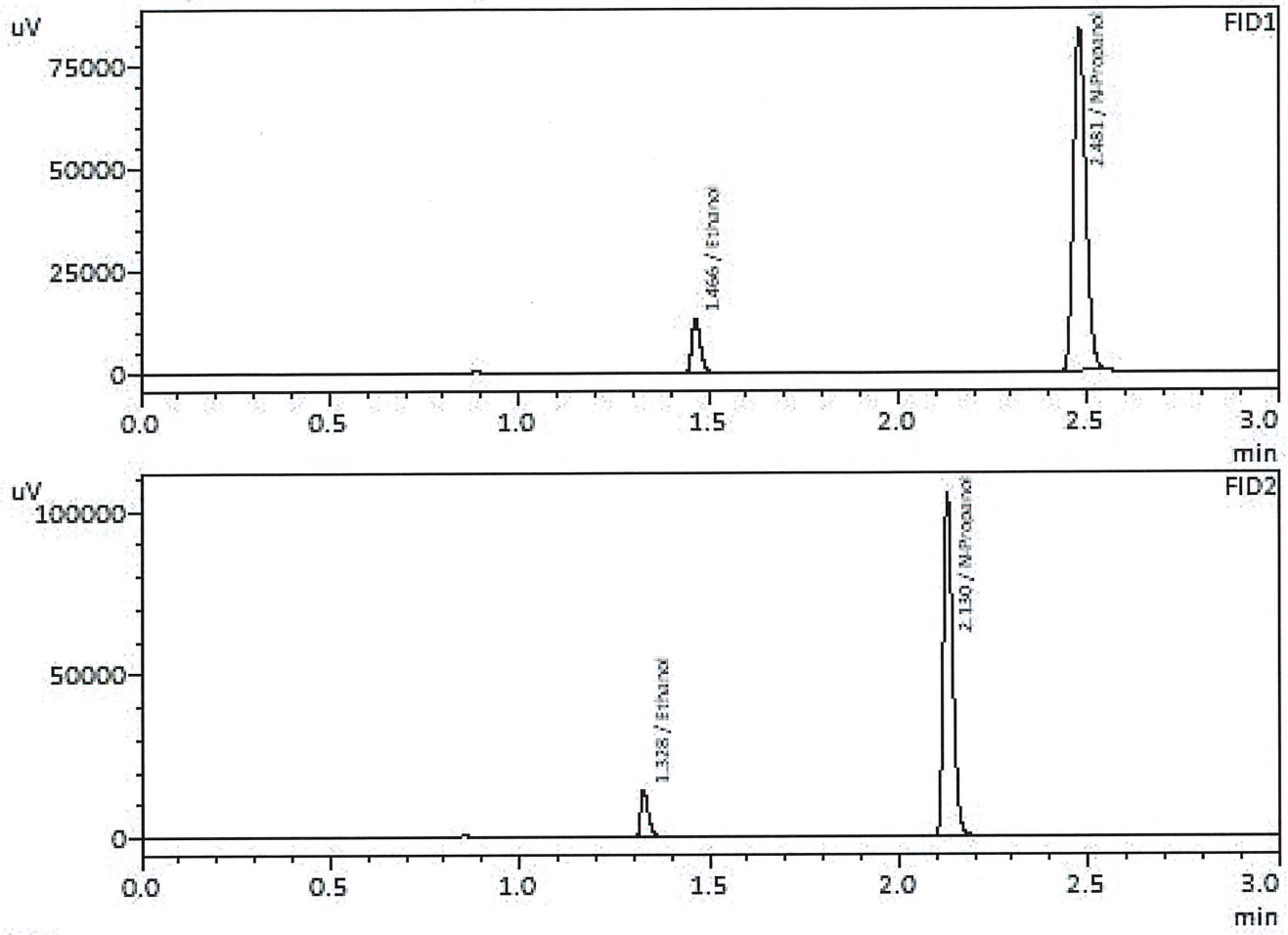
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218859	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	204784	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 11/10/2021 1:16:55 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



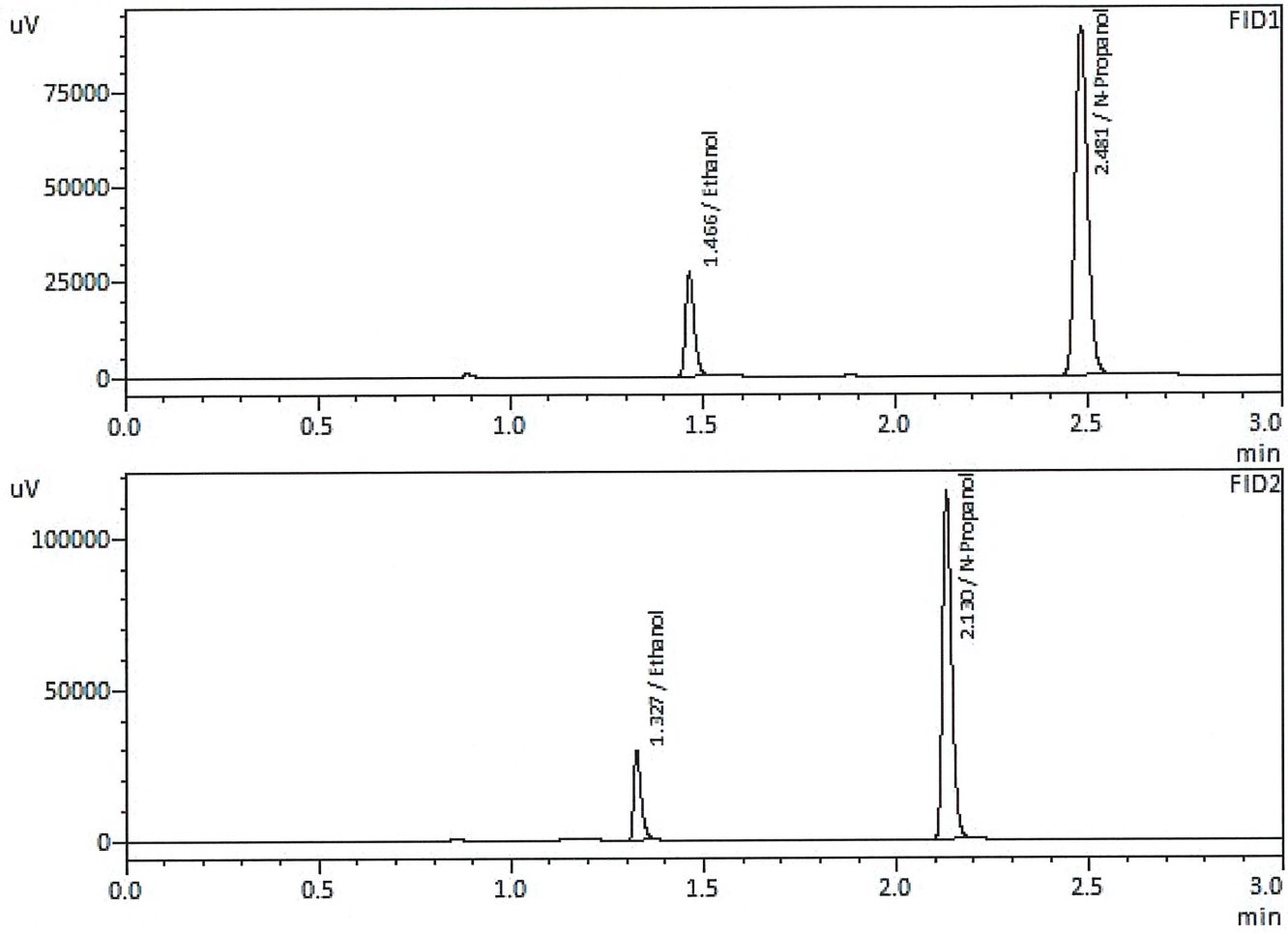
FID1

Name	Conc.	Area	Unit
Methanol	–	–	g/100cc
Ethanol	0.0560	20379	g/100cc
Isopropyl Alcohol	–	–	g/100cc
Acetone	–	–	g/100cc
N-Propanol	0.0000	185245	g/100cc
Fluor. Hydrocarbon(s)	–	–	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	–	–	g/100cc
Ethanol	0.0551	19388	g/100cc
Acetone	–	–	g/100cc
Isopropyl Alcohol	–	–	g/100cc
N-Propanol	0.0000	173547	g/100cc
Fluor. Hydrocarbon(s)	–	–	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 11/10/2021 1:24:17 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



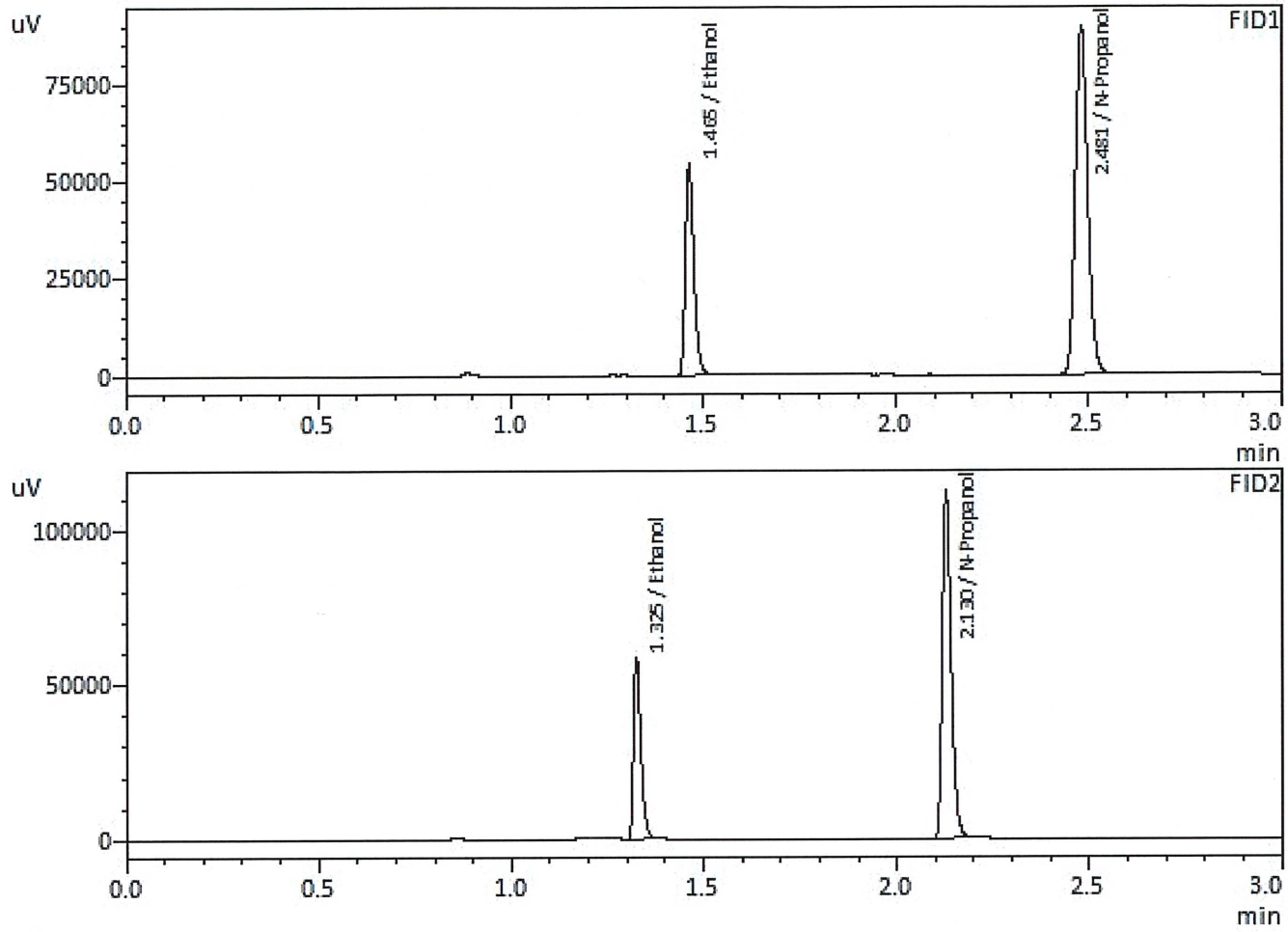
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	41622	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202252	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	39338	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 11/10/2021 1:31:35 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



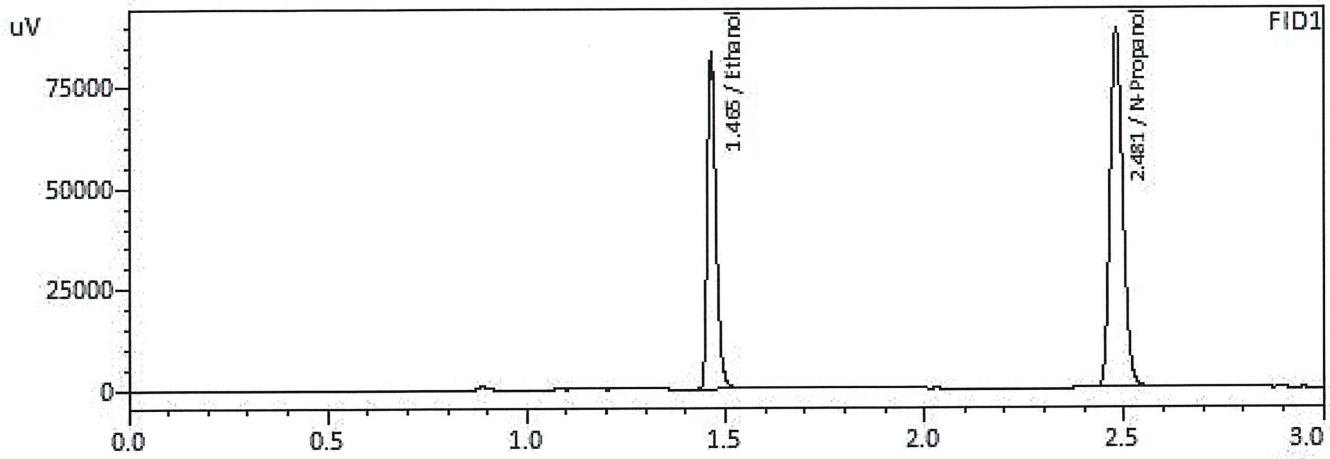
FID1

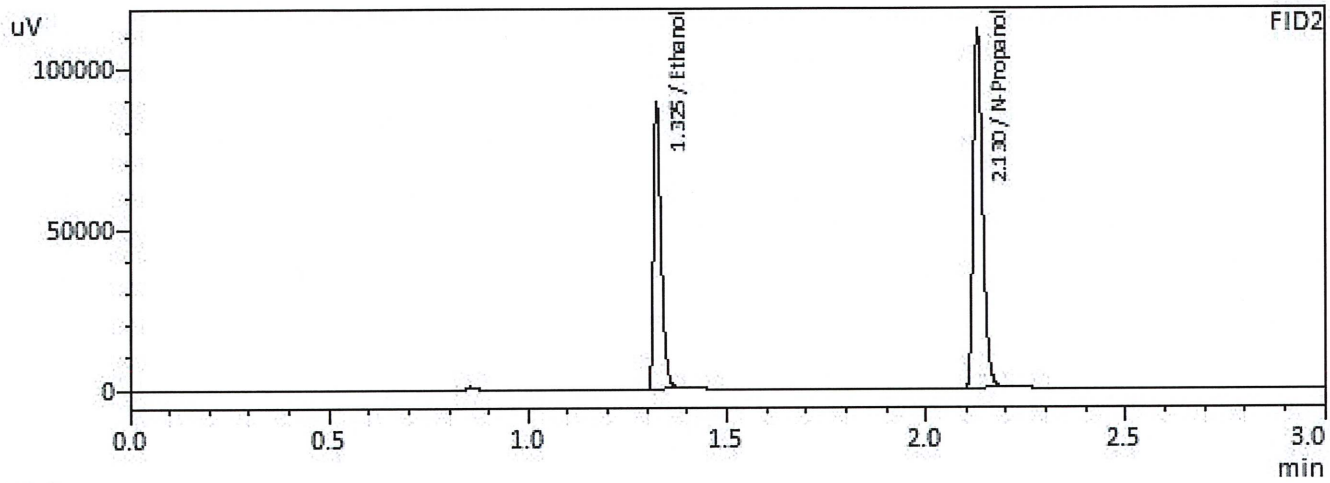
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1947	82568	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198193	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1954	77225	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184815	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 11/10/2021 1:40:34 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





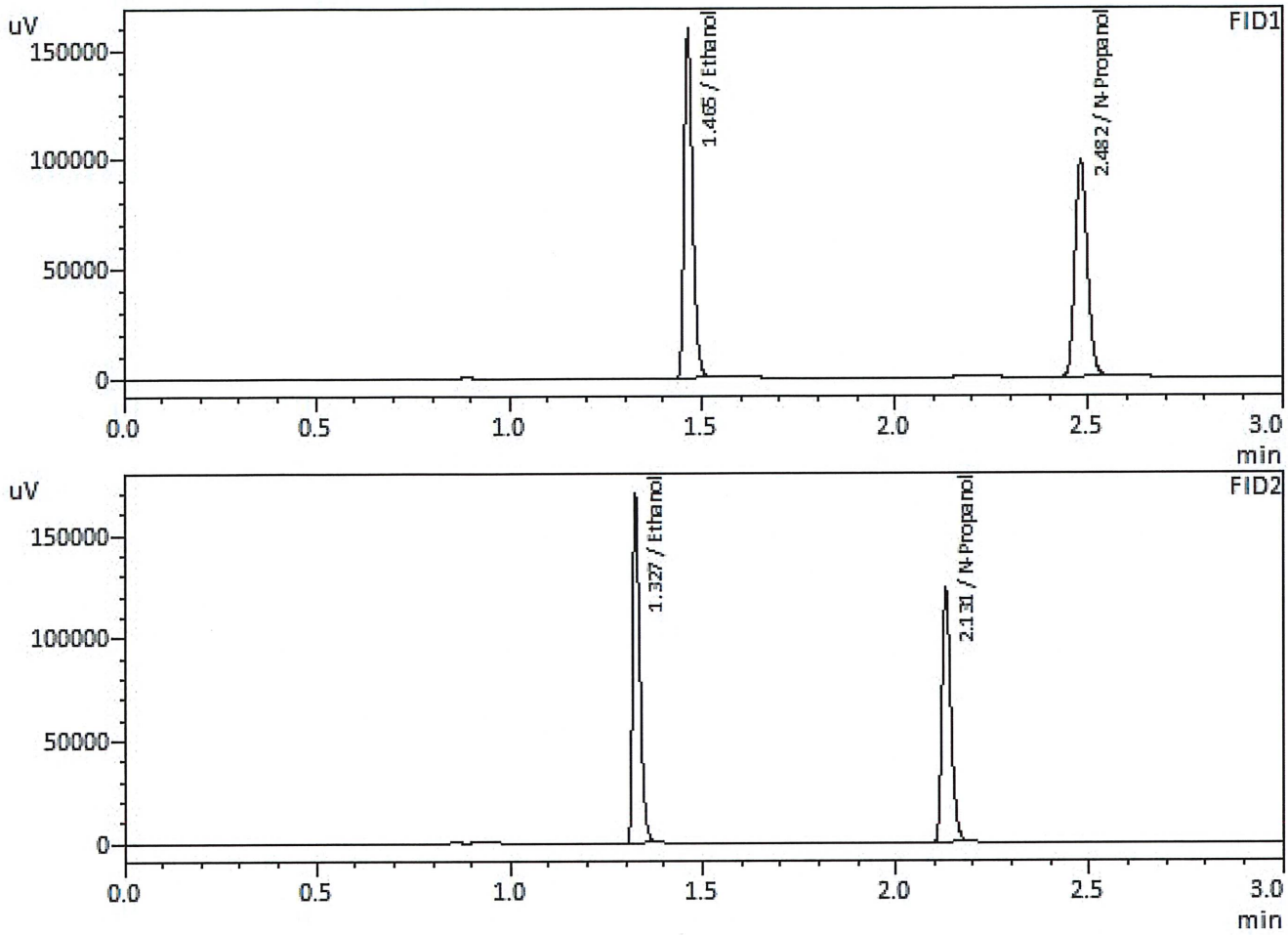
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2955	126304	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197517	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2964	117320	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183743	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 11/10/2021 1:48:10 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5043	241018	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218873	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5035	221880	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203466	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Meridian Blood Alcohol Analysis Batch Table

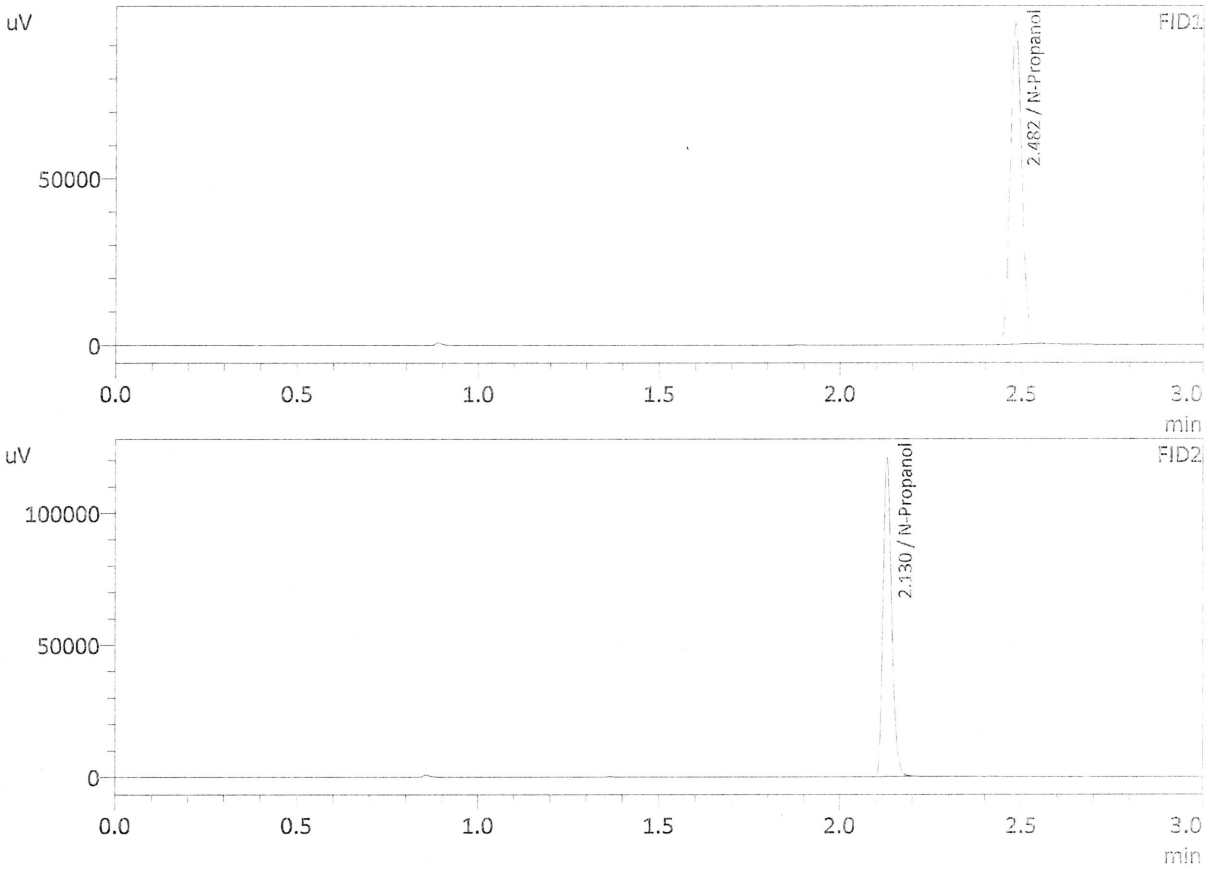
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
7	M2021-4744-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
8	M2021-4744-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
9	M2021-4745-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
10	M2021-4745-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
11	M2021-4746-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
12	M2021-4746-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
13	M2021-4752-2-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
14	M2021-4752-2-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
15	M2021-4805-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
16	M2021-4805-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
17	M2021-4817-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
18	M2021-4817-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
19	M2021-4818-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
20	M2021-4818-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
21	M2021-4837-2-A *	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
22	M2021-4837-2-B *	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
23	M2021-4838-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
24	M2021-4838-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
27	M2021-4849-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
28	M2021-4849-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
29	M2021-4855-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
30	M2021-4855-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
31	M2021-4862-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
32	M2021-4862-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
33	M2021-4866-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
34	M2021-4866-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
35	M2021-4876-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
36	M2021-4876-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
37	M2021-4887-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
38	M2021-4887-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
39	M2021-4901-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
40	M2021-4901-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
41	M2021-4910-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
42	M2021-4910-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
43	M2021-4911-1-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
44	M2021-4911-1-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
45	QC1-2-A	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
46	QC1-2-B	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
47	INT STD BLK 1	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
48	DFE 111914OM	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
49	INT STD BLK 1	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
50	TFE 11914	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
51	INT STD BLNK	C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM

11/12/21 * Sample M2021-4837-2 is not reported.
It will be re-extracted and re-analyzed due to instrument readout issues.

BB

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/10/2021 3:25:33 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



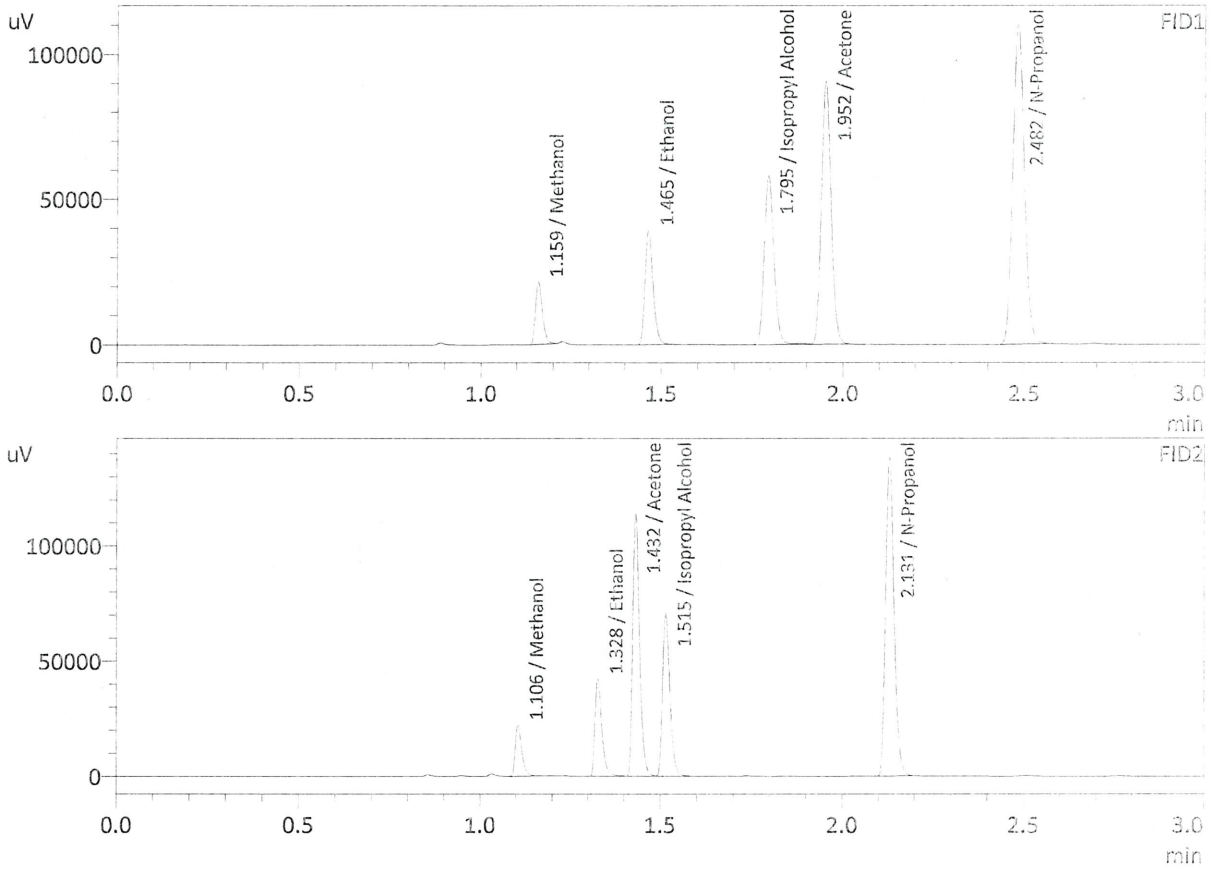
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212713	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	199099	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 11/10/2021 3:32:53 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	28823	g/100cc
Ethanol	0.1172	59993	g/100cc
Isopropyl Alcohol	0.0000	107390	g/100cc
Acetone	0.0000	167689	g/100cc
N-Propanol	0.0000	244523	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	27820	g/100cc
Ethanol	0.1189	57034	g/100cc
Acetone	0.0000	153644	g/100cc
Isopropyl Alcohol	0.0000	99295	g/100cc
N-Propanol	0.0000	227246	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

N

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Analysis Date(s): 11/10/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0747	0.0742	0.0005	0.0744	0.0009	0.0739
(g/100cc)	0.0736	0.0734	0.0002	0.0735		

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

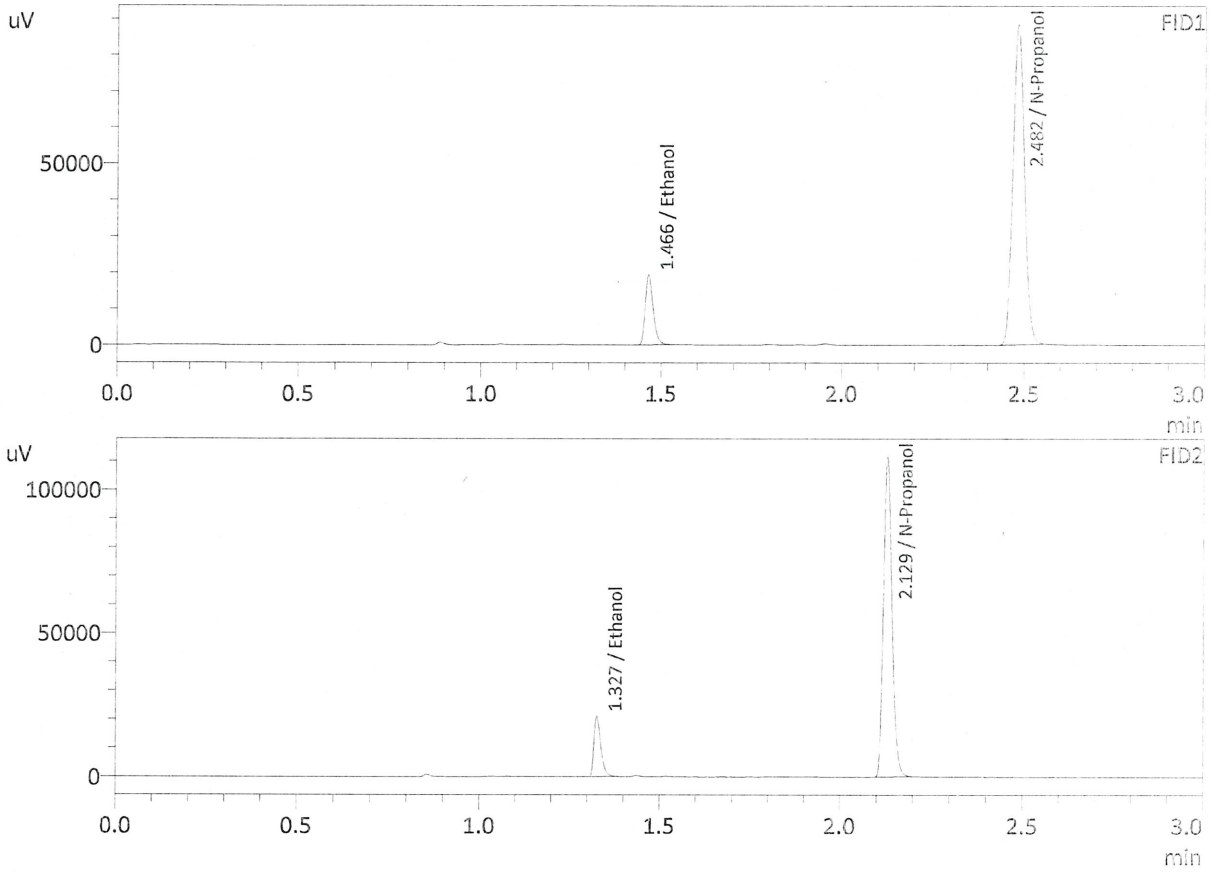
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	0.069	0.077	0.004

	Reported Result	
	0.073	

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 11/10/2021 3:40:14 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



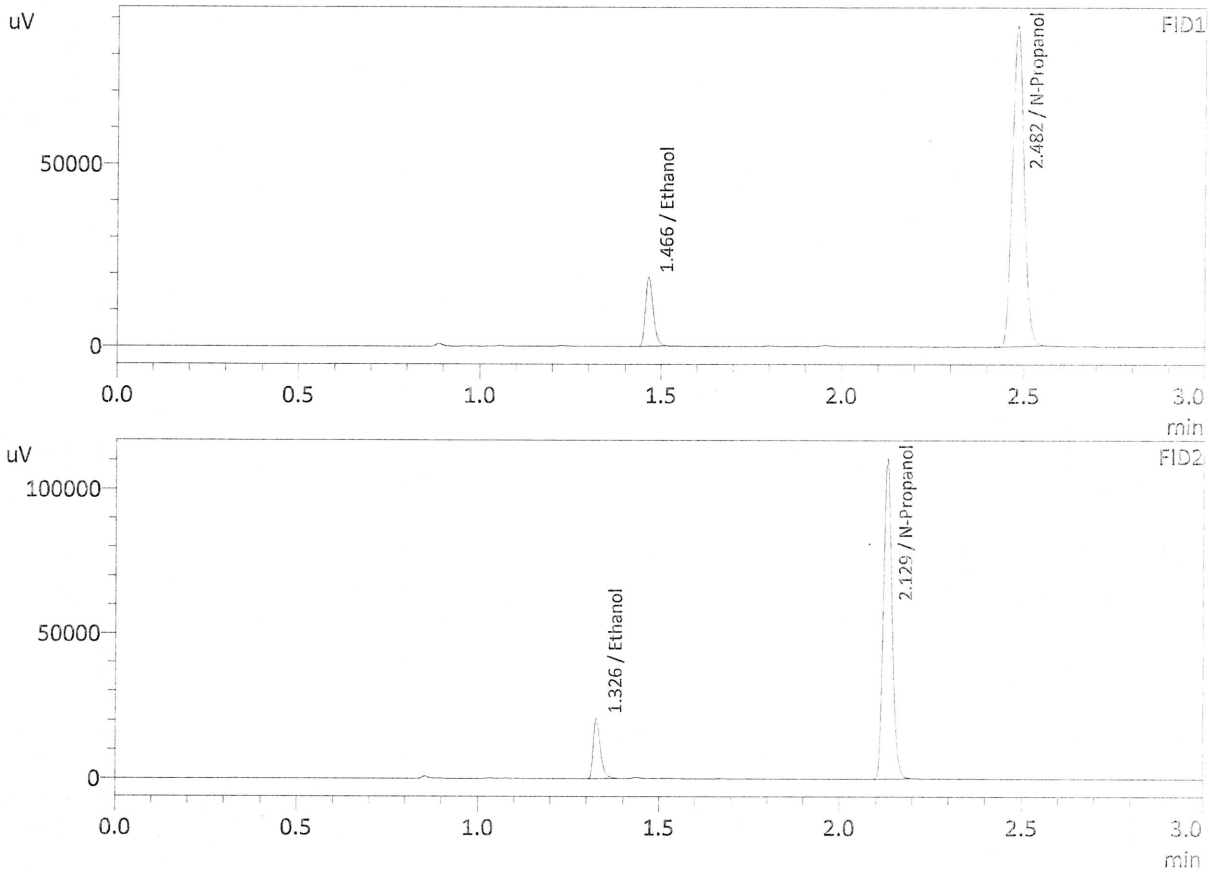
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0747	29633	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195931	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0742	28076	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183058	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 11/10/2021 3:49:06 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0736	29015	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194780	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0734	27581	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182038	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA **Analysis Date(s): 11/10/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0816	0.0003	0.0817	0.0034	0.0800
(g/100cc)	0.0785	0.0781	0.0004	0.0783		

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

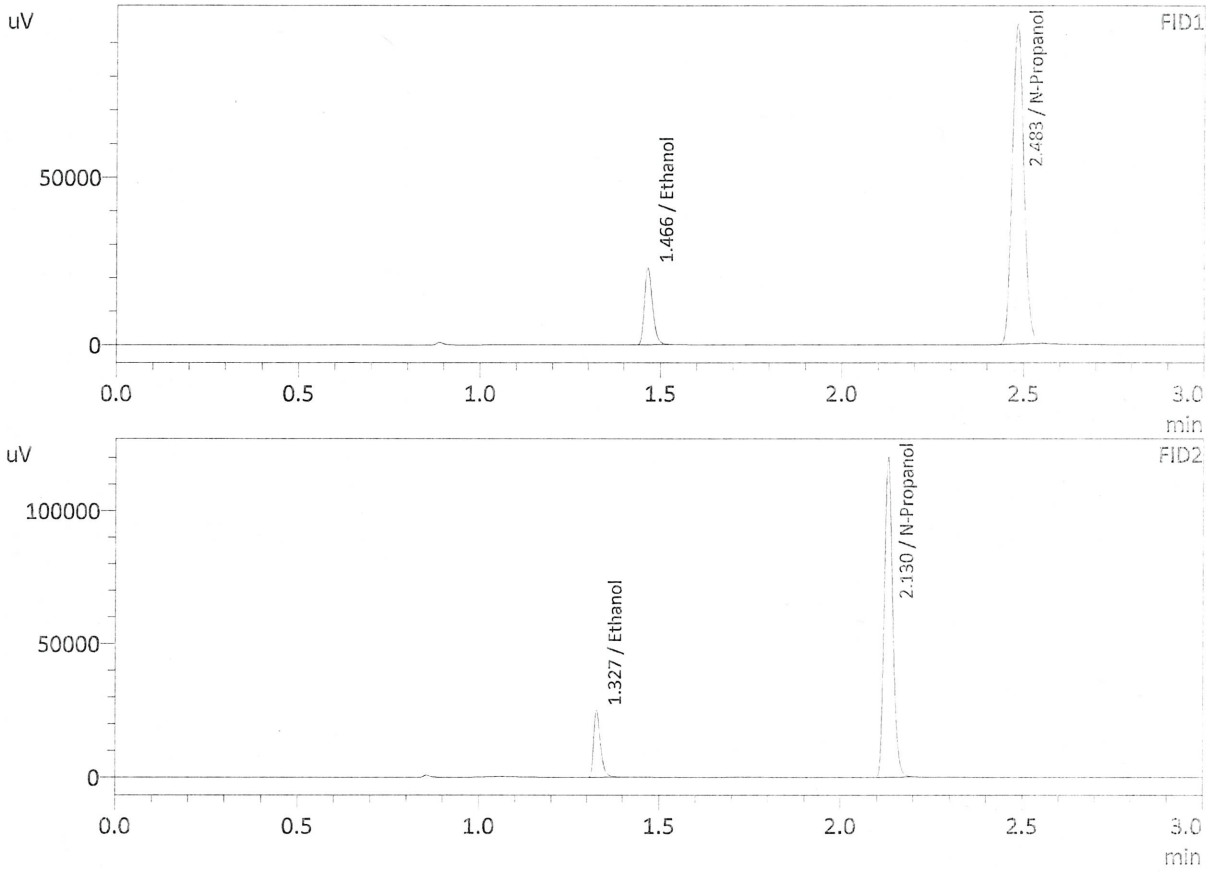
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 11/10/2021 3:56:35 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



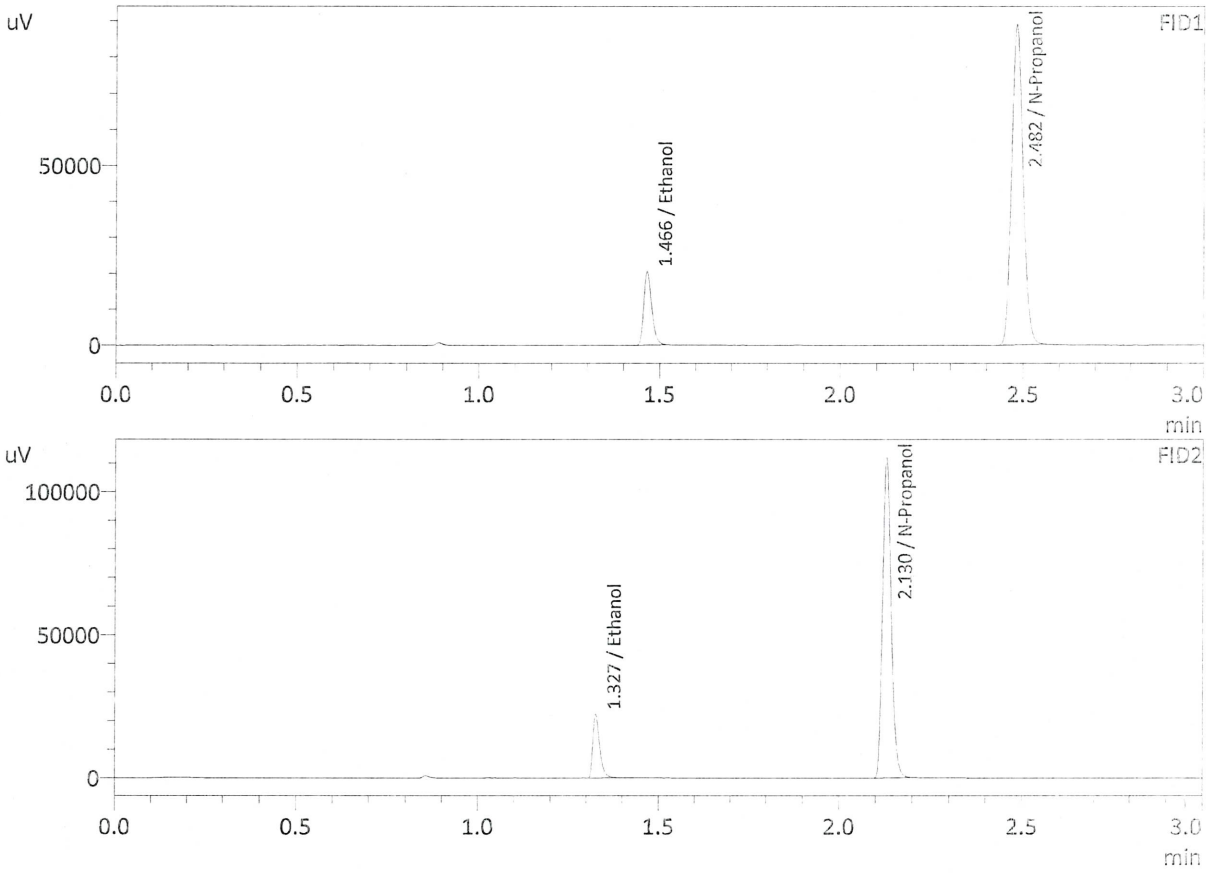
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	35331	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211229	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	33404	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197043	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 11/10/2021 4:04:55 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	31440	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196800	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0781	29794	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183960	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 11/10/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2096	0.2107	0.0011	0.2101	0.0015	0.2093
(g/100cc)	0.2080	0.2092	0.0012	0.2086		

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

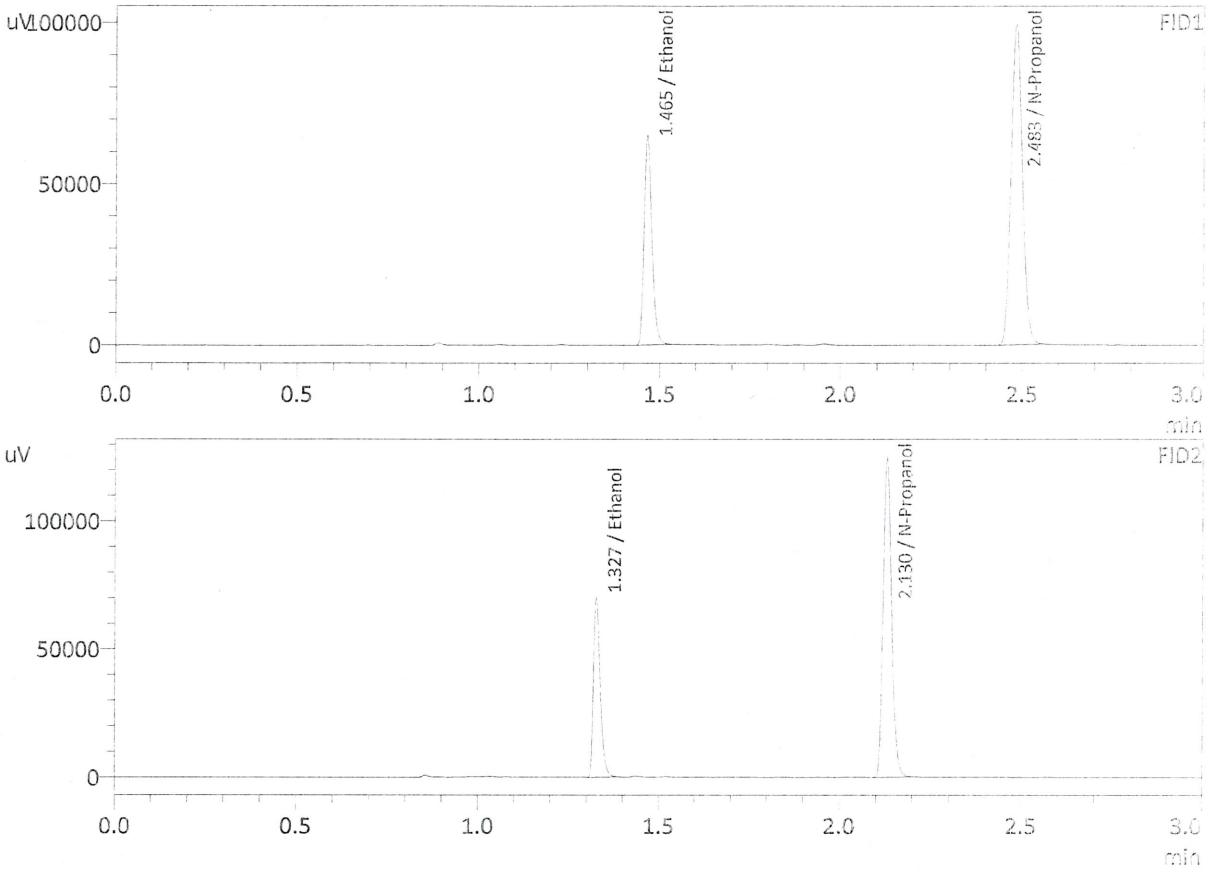
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.209	0.198	0.220	0.011

	Reported Result	
	0.209	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 11/10/2021 6:37:55 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



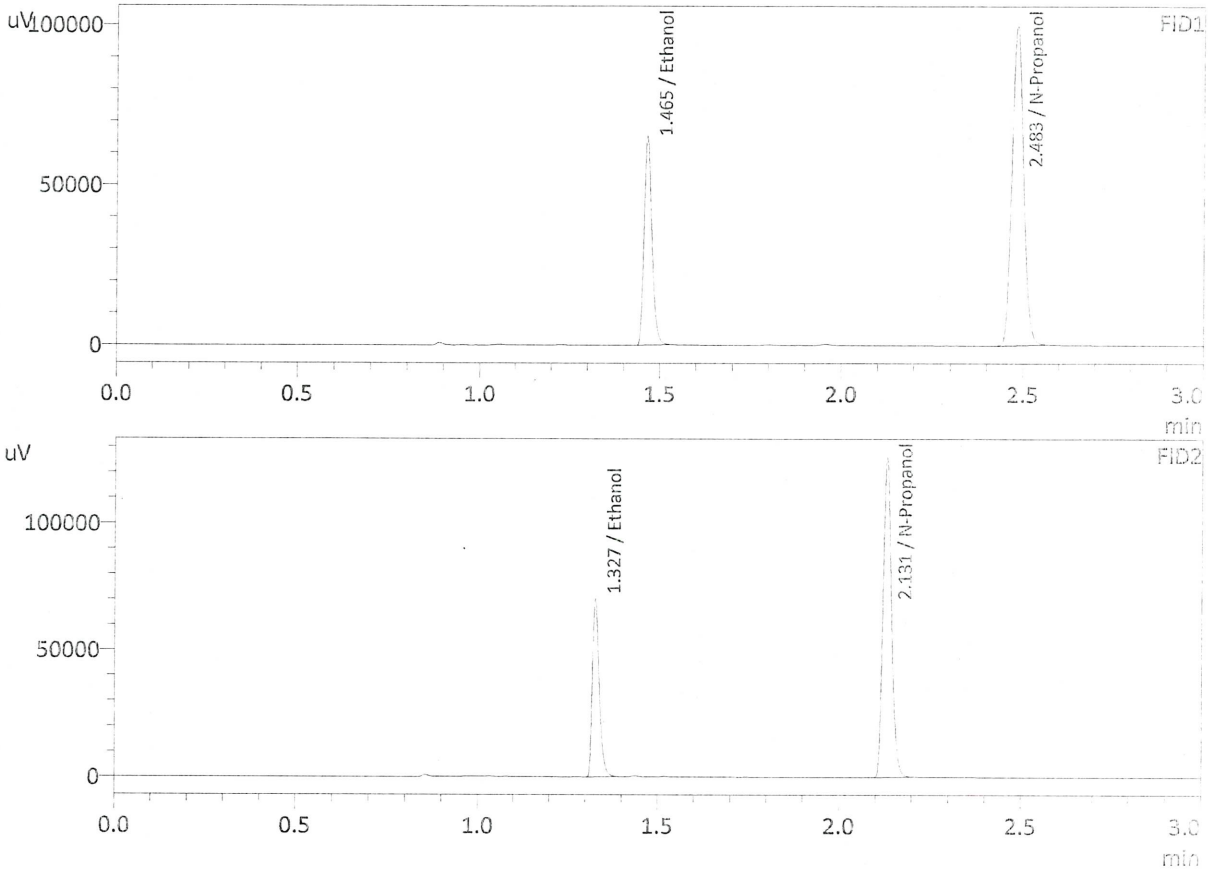
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	98811	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219809	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2107	92366	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204662	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 11/10/2021 6:45:28 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	99156	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222313	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2092	92657	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206809	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 11/10/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0774	0.0772	0.0002	0.0773	0.0003	0.0774
(g/100cc)	0.0777	0.0775	0.0002	0.0776		

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

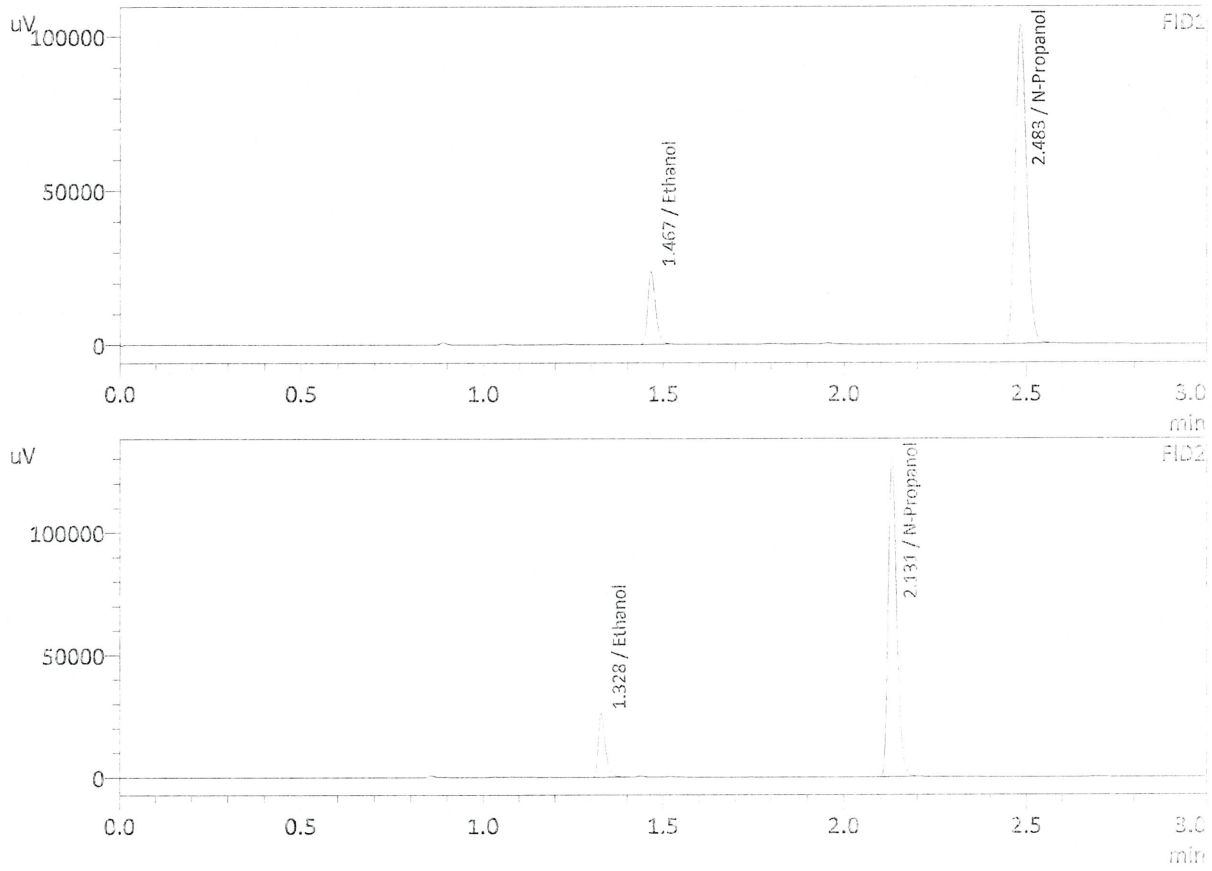
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 11/10/2021 9:21:24 PM
Vial # : 45
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



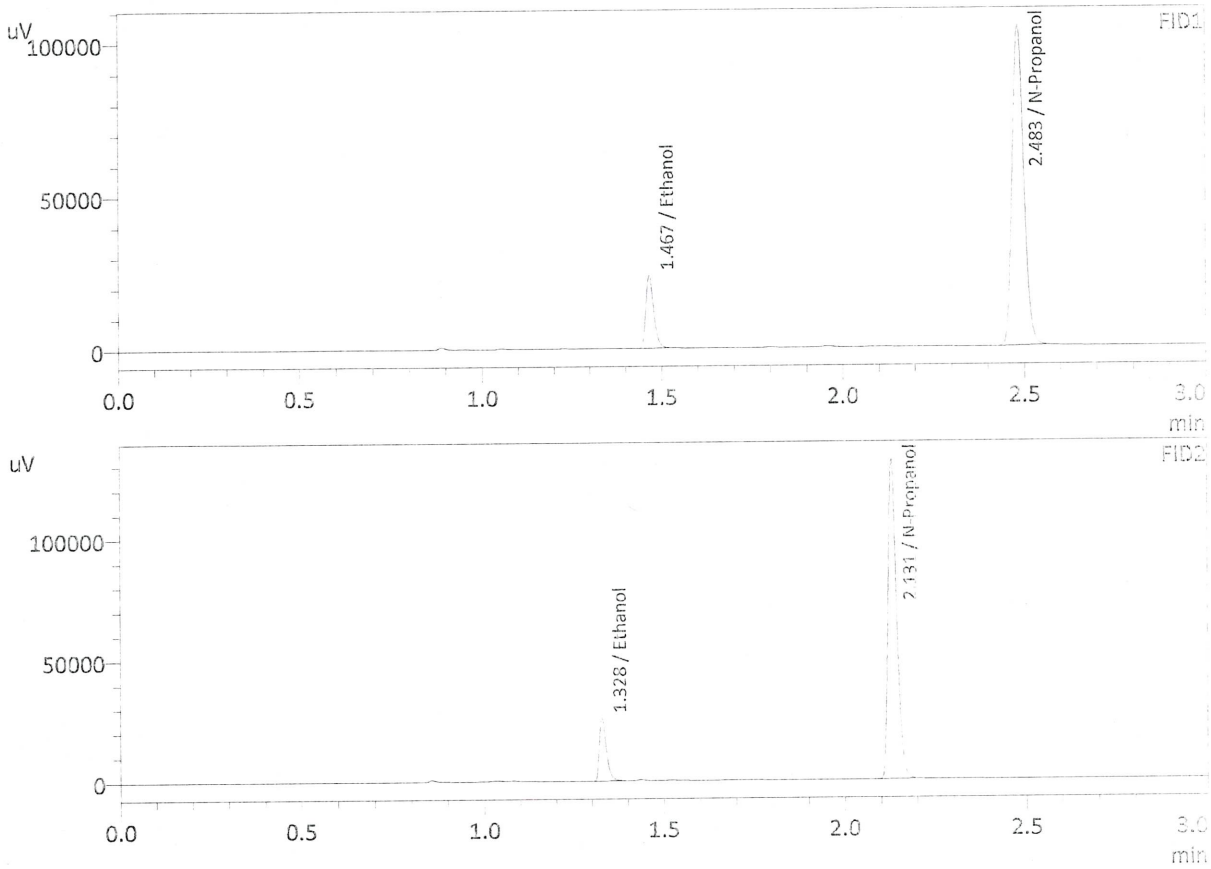
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0774	36101	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229597	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	34265	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214402	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 11/10/2021 9:28:54 PM
Vial # : 46
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



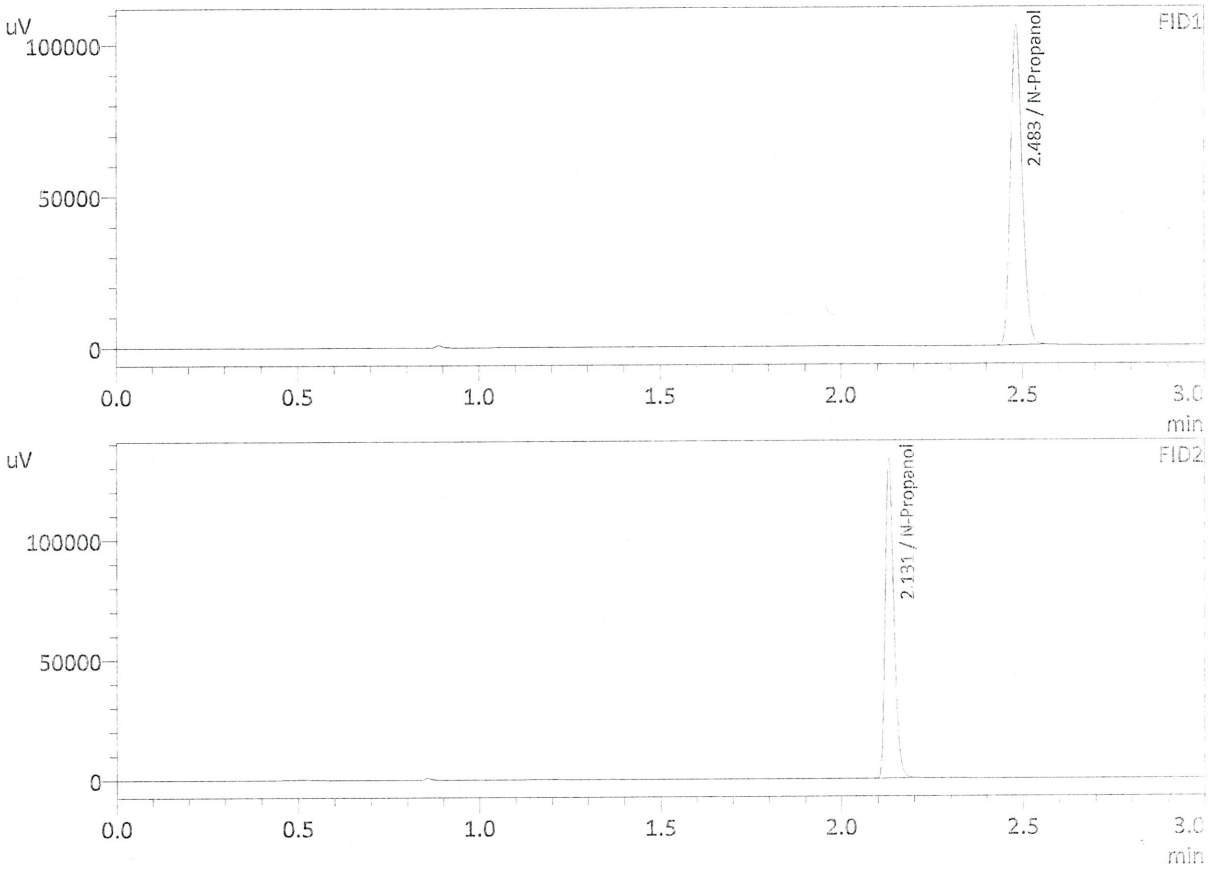
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	36563	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231447	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	34713	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216068	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/10/2021 9:36:55 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



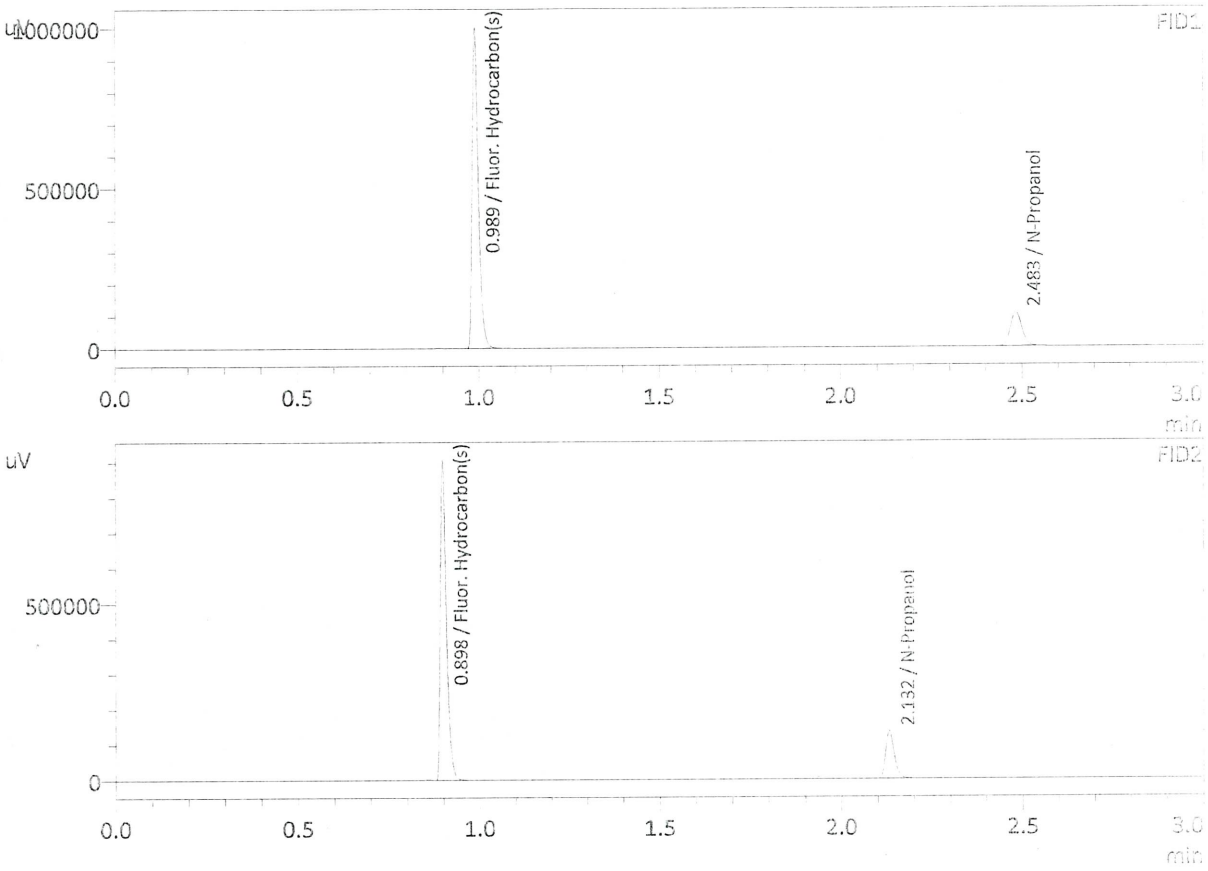
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234218	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	219057	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : 11/10/2021 9:46:06 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



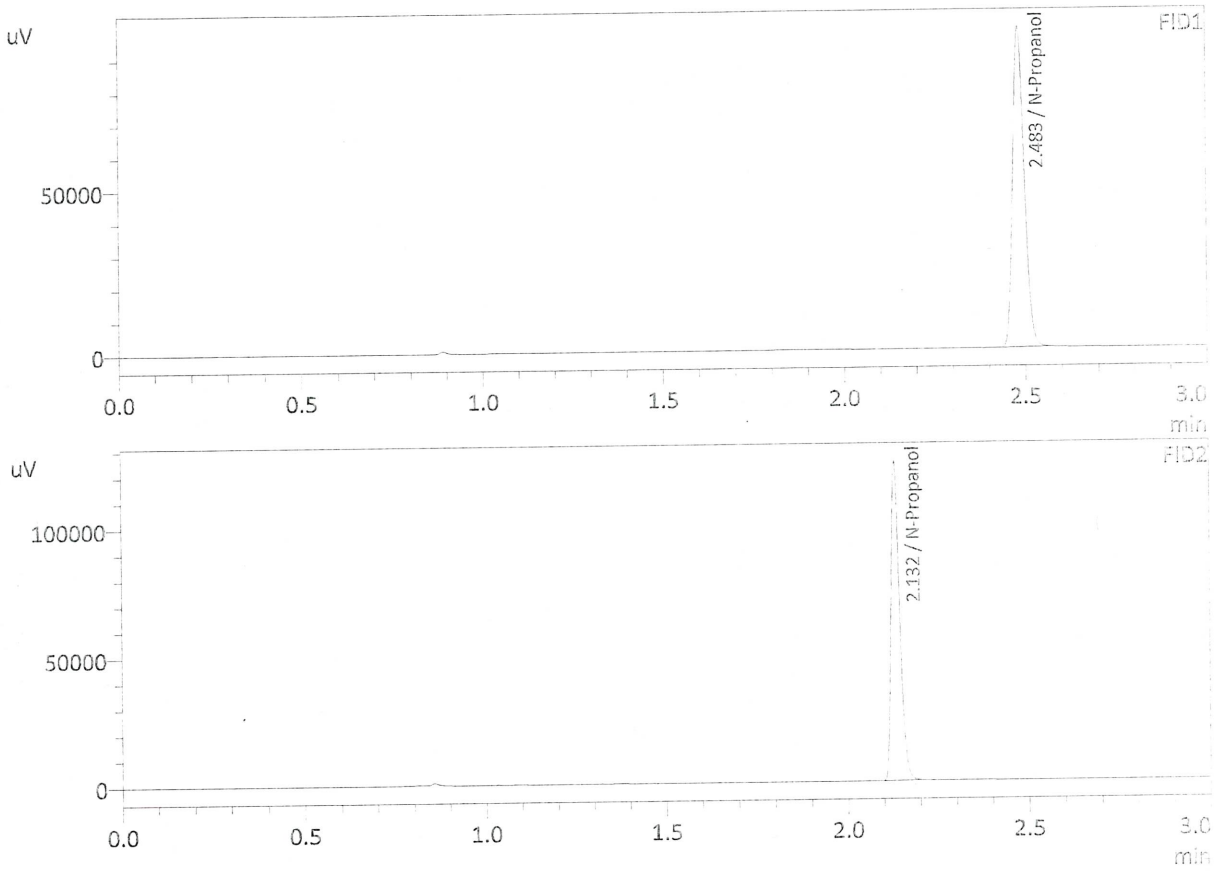
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236943	g/100cc
Fluor. Hydrocarbon(s)	0.0000	1191046	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221548	g/100cc
Fluor. Hydrocarbon(s)	0.0000	1044005	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/10/2021 9:53:49 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



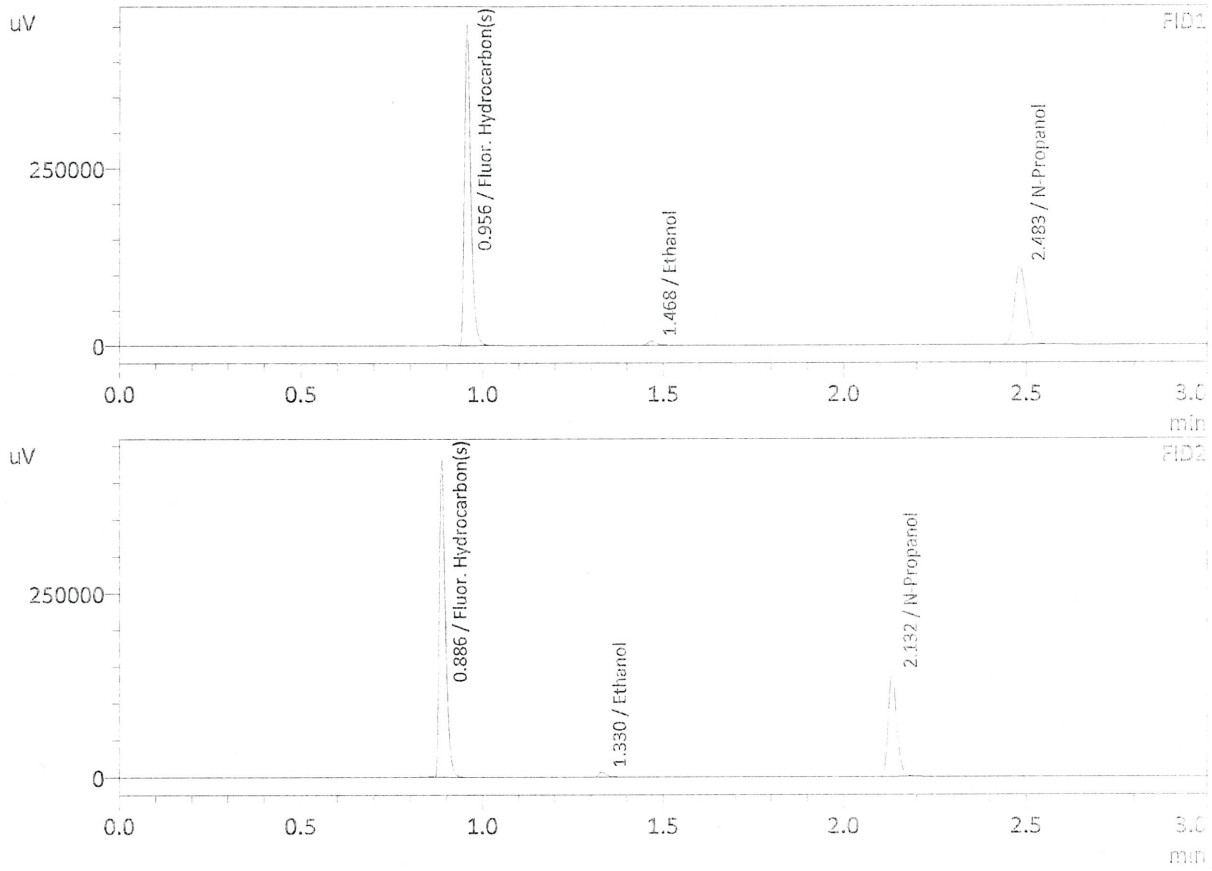
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217765	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	204086	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 11914
Laboratory : Meridian
Injection Date : 11/10/2021 10:01:32 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\211110\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



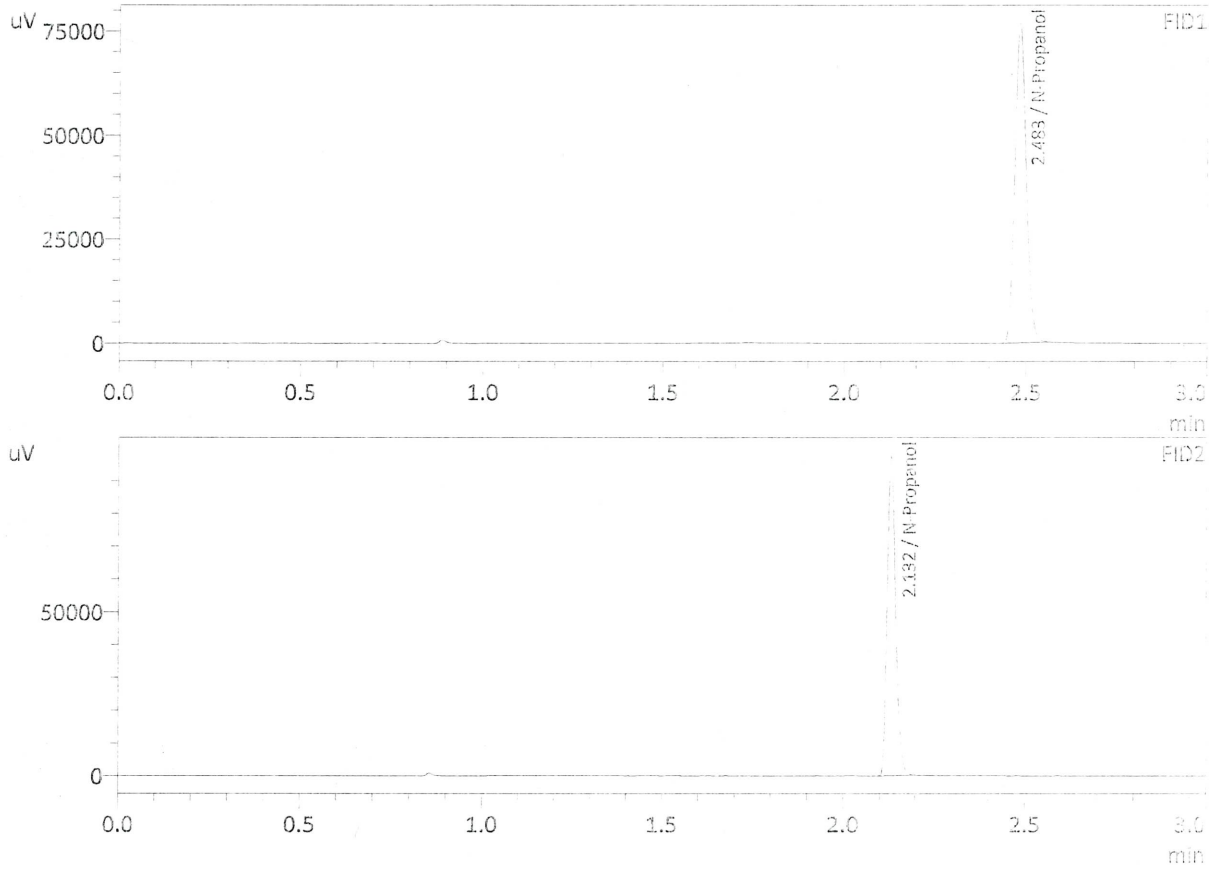
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0235	9389	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246027	g/100cc
Fluor. Hydrocarbon(s)	0.0000	548890	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0217	8902	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229842	g/100cc
Fluor. Hydrocarbon(s)	0.0000	500766	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 11/10/2021 10:10:54 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\211110\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	170899	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	160947	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

W