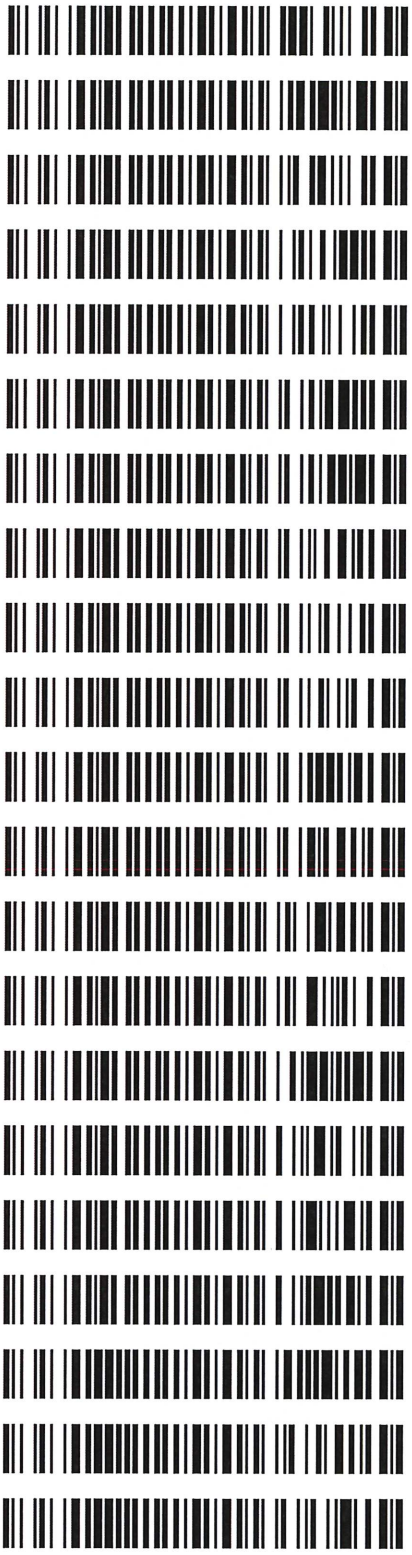
12/6/2021

Worklist: 5424

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-5020	2	BCK	Alcohol Analysis
M2021-5142	1	BCK	Alcohol Analysis
M2021-5143	1	BCK	Alcohol Analysis
M2021-5168	2	BCK	Alcohol Analysis
M2021-5169	2	BCK	Alcohol Analysis
M2021-5188	1	BCK	Alcohol Analysis
M2021-5189	1	BCK	Alcohol Analysis
M2021-5194	1	BCK	Alcohol Analysis
M2021-5195	1	BCK	Alcohol Analysis
M2021-5196	1	BCK	Alcohol Analysis
M2021-5210	1	BCK	Alcohol Analysis
M2021-5211	1	BCK	Alcohol Analysis
M2021-5221	1	BCK	Alcohol Analysis
M2021-5222	1	BCK	Alcohol Analysis
M2021-5277	1	BCK	Alcohol Analysis
M2021-5300	1	BCK	Alcohol Analysis
M2021-5301	1	BCK	Alcohol Analysis
M2021-5304	1	BCK	Alcohol Analysis
P2021-3580	1	BCK	Alcohol Analysis
P2021-3868	1	BCK	Alcohol Analysis
P2021-3919	1	BCK	Alcohol Analysis



REVIEWED
By Jeremy Johnston at 2:00 pm, Dec 06, 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): 12/03/2021**

Calibration date: 11/26/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0752 g/100cc
					0.0786 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2091 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701		OK
Curve Fit:	**Column 1**	0.99978	**Column2**		0.99981

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0524	0.0516	0.0008	0.052
100	0.100	0.090 - 0.110	0.0995	0.0994	0.0001	0.0994
200	0.200	0.180 - 0.220	0.1957	0.1963	0.0006	0.196
300	0.300	0.270 - 0.330	0.3018	0.3028	0.001	0.3023
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5004	0.4996	0.0008	0.5

Aqueous Controls

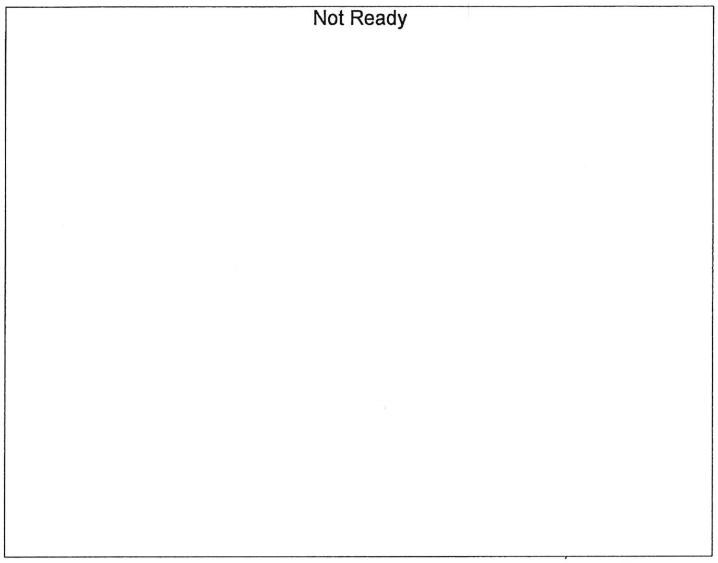
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

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

Calibration Table

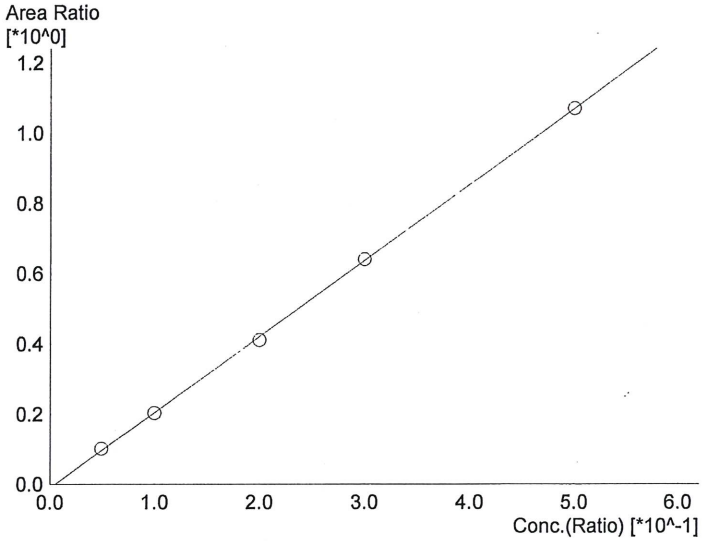
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\211126\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :11/26/2021 11:03:19 AM
Date Created :11/26/2021 10:58:49 AM
Date Modified :11/26/2021 11:06:21 AM



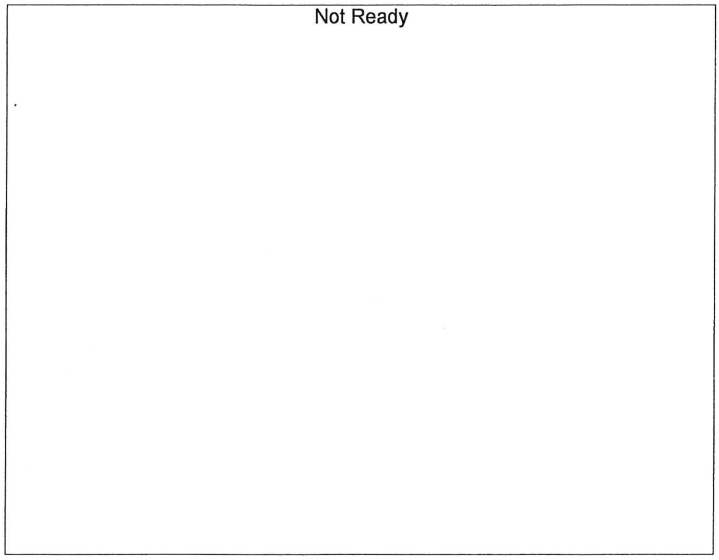
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



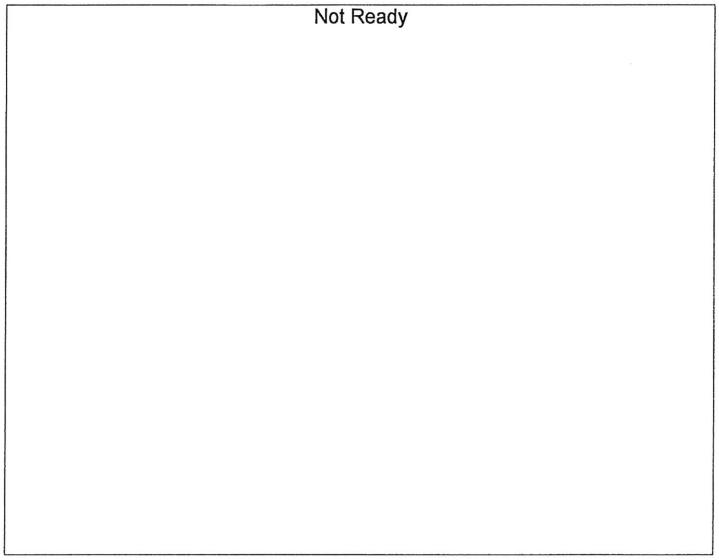
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.16010*x-0.0123065
R^2 value= 0.9997823
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19580	0.0524
2	0.100	39627	0.0995
3	0.200	80013	0.1957
4	0.300	128682	0.3018
5	0.500	219606	0.5004



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.

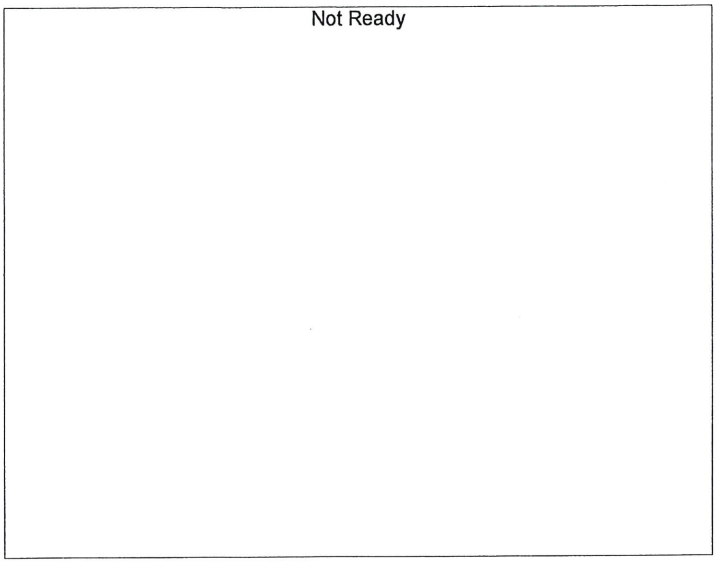


Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

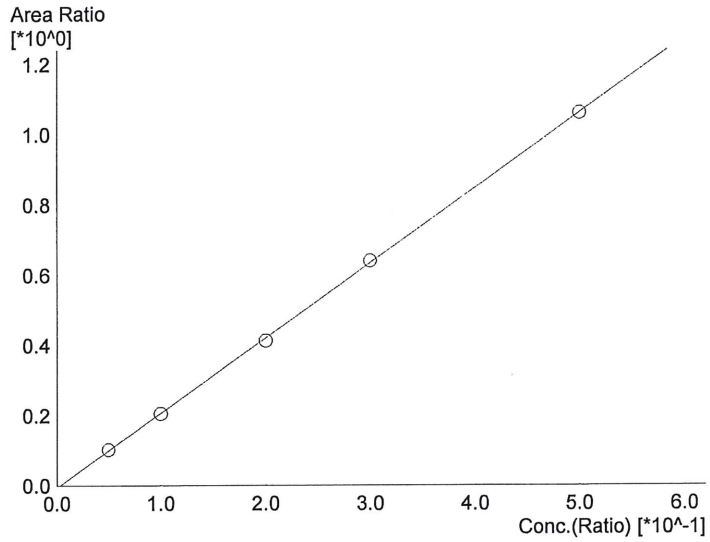
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



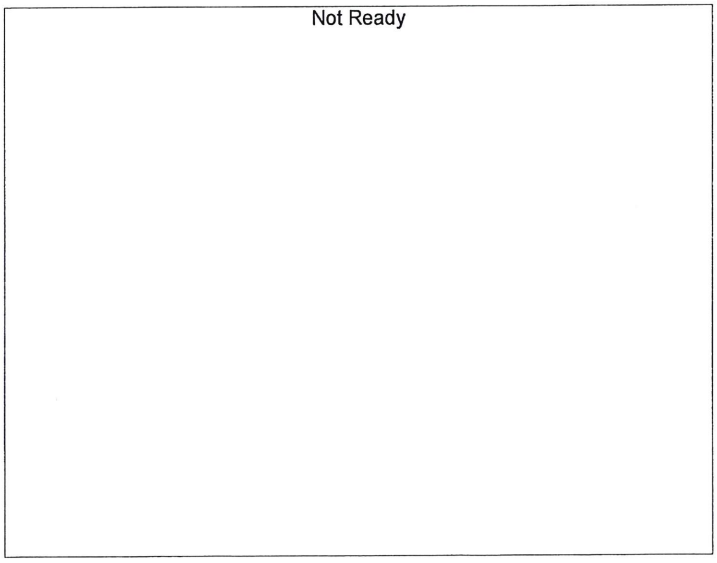
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



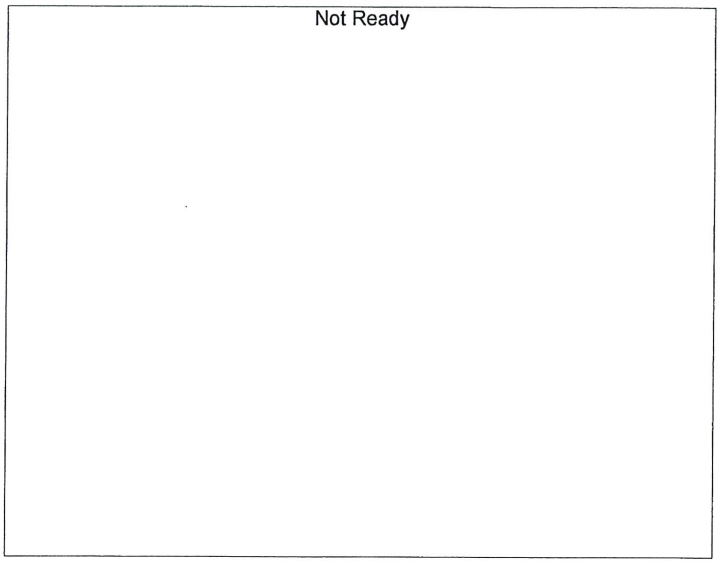
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.13691*x-0.00776578
R^2 value= 0.9998101
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18533	0.0516
2	0.100	37308	0.0994
3	0.200	74684	0.1963
4	0.300	119287	0.3028
5	0.500	201817	0.4996



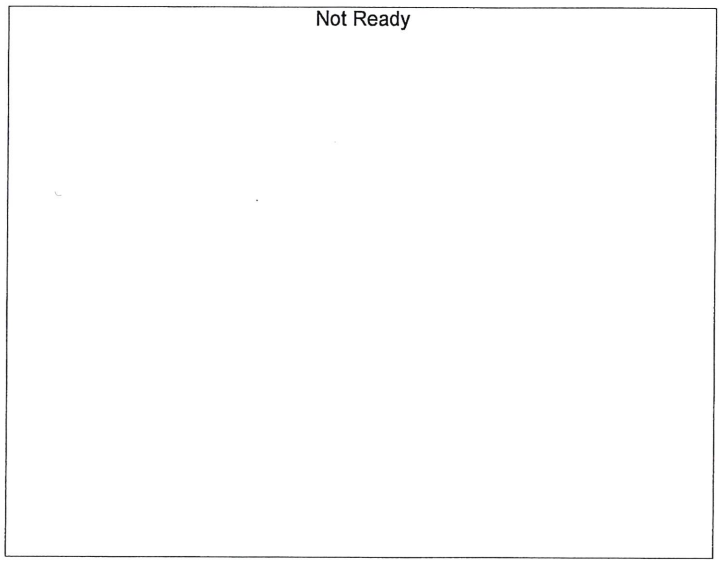
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.

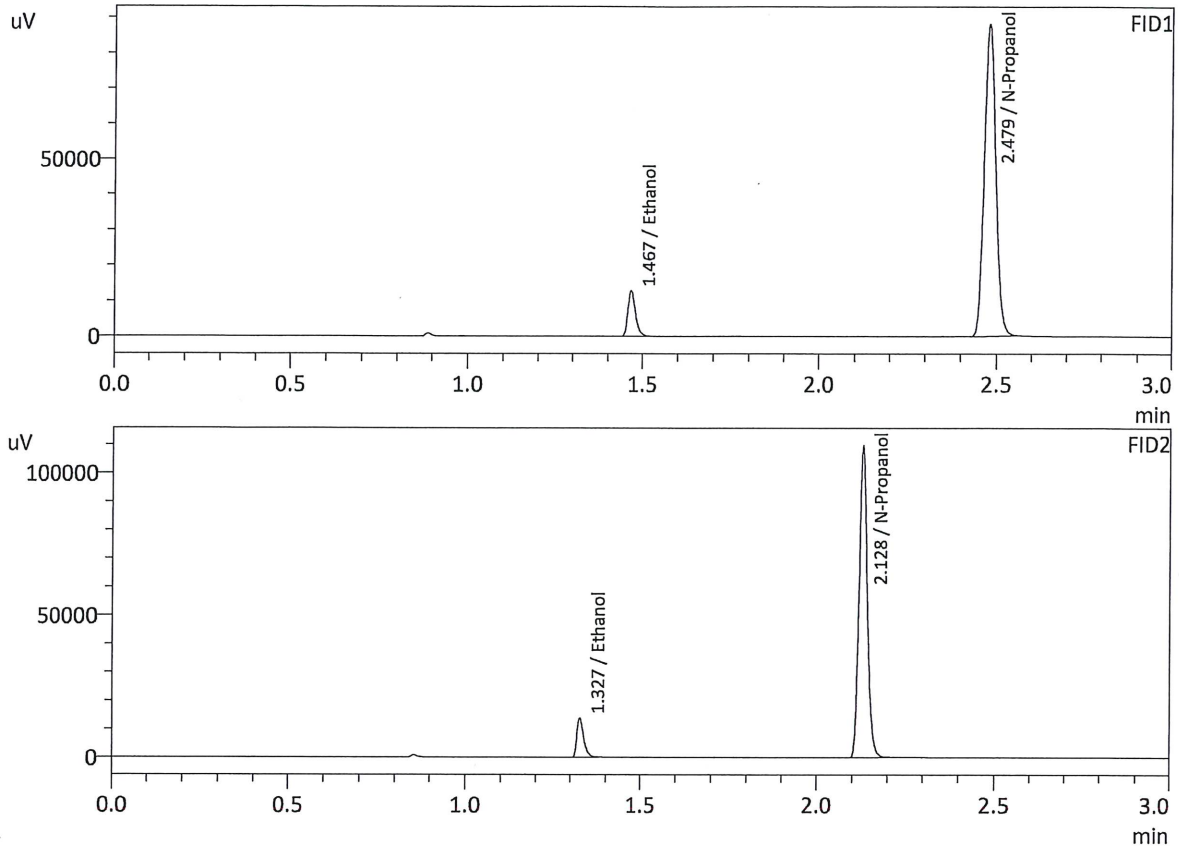
Meridian Blood Alcohol Analysis Batch Table

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

GV

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 11/26/2021 10:31:59 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

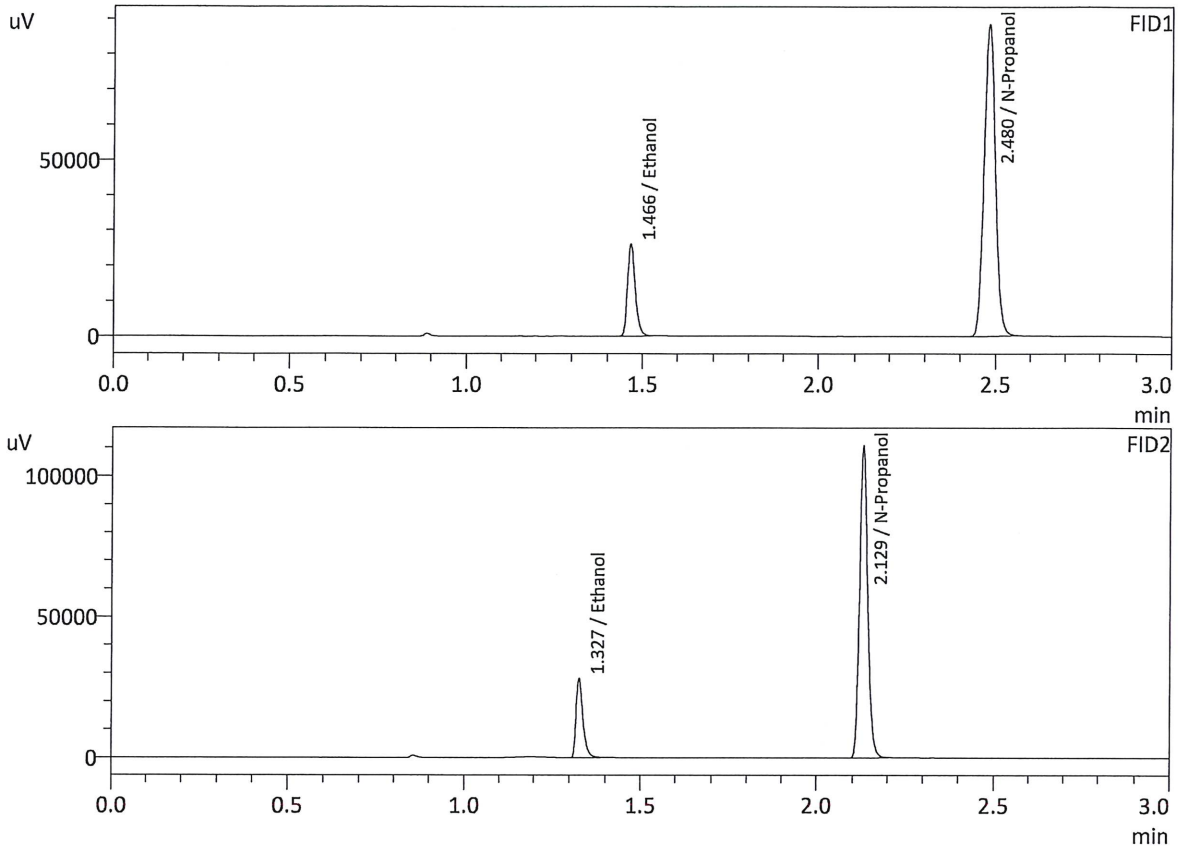
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0524	19580	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193797	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0516	18533	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180696	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 11/26/2021 10:39:20 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

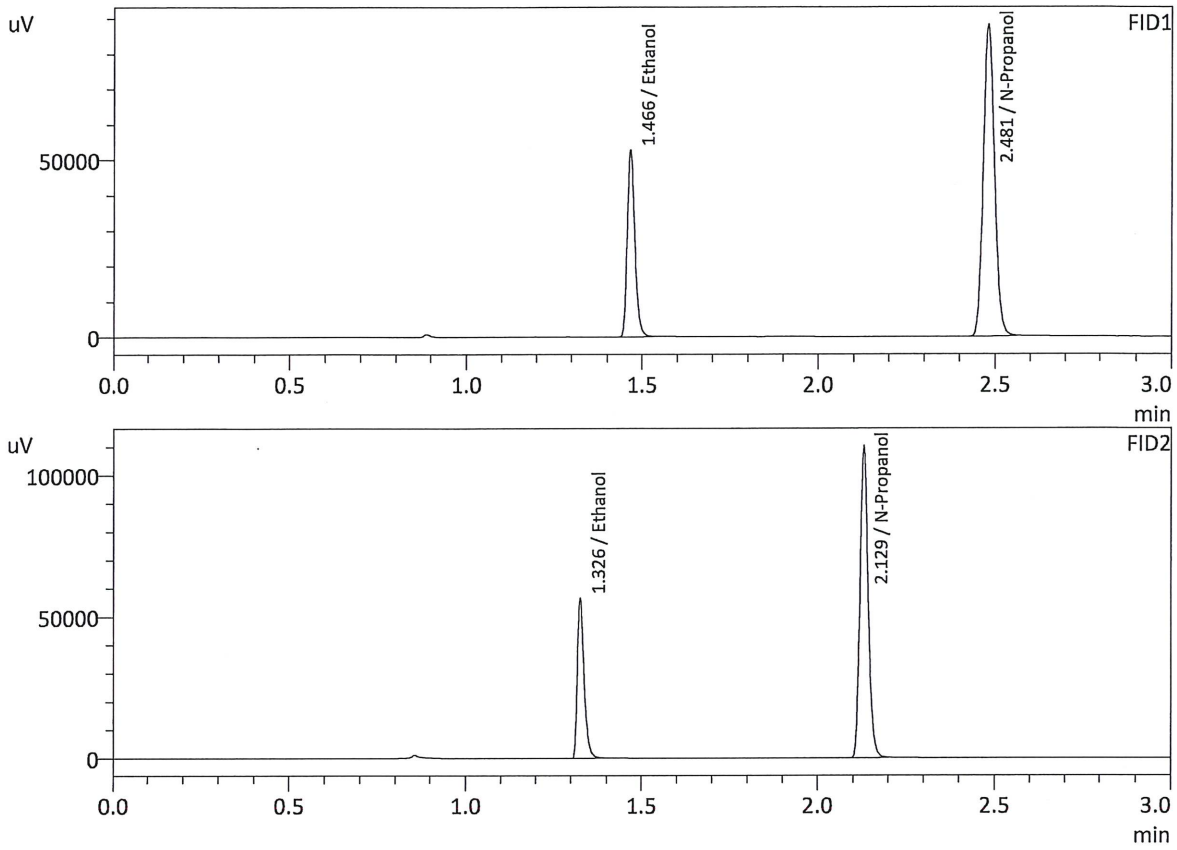
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0995	39627	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195564	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0994	37308	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182151	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

BV

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 11/26/2021 10:47:00 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

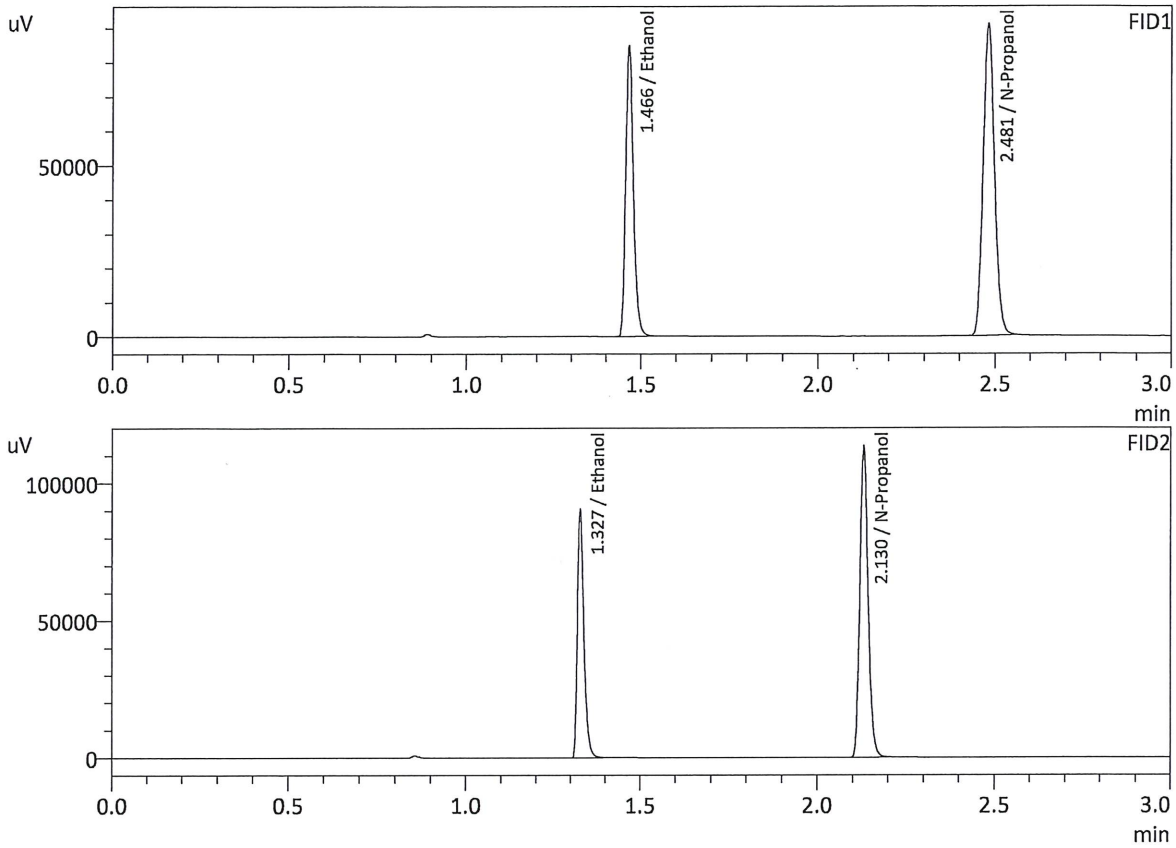
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1957	80013	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194898	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1963	74684	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	181348	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

66

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 11/26/2021 10:55:39 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

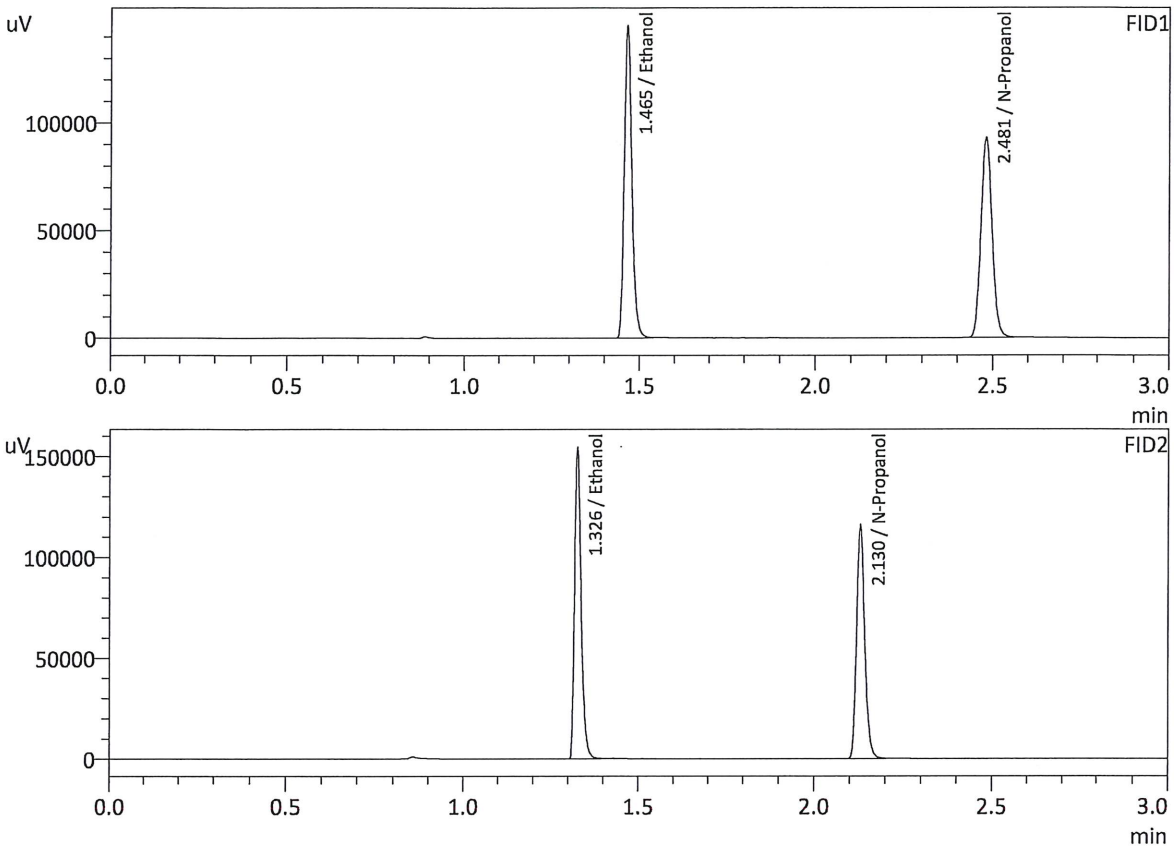
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3018	128682	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201181	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3028	119287	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186573	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 11/26/2021 11:03:19 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

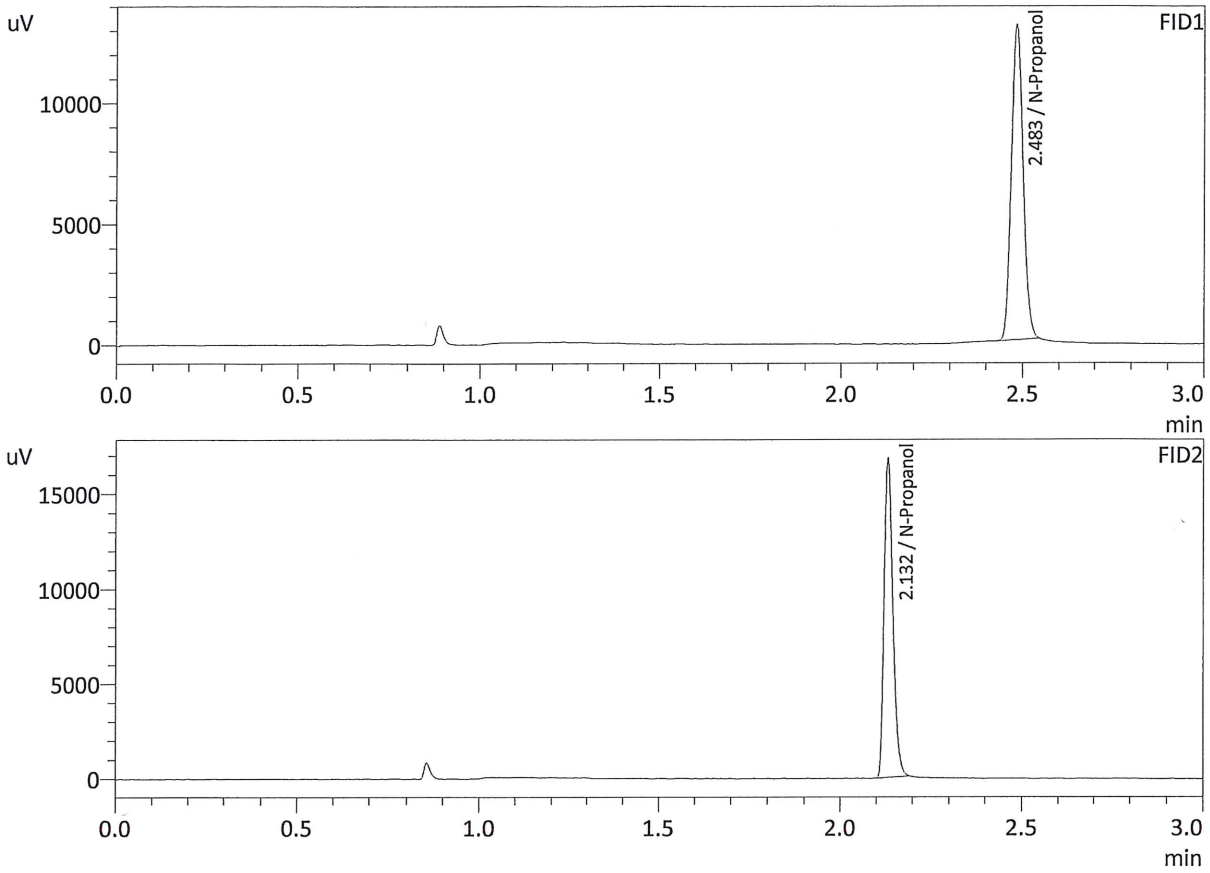
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5004	219606	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205479	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4996	201817	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190386	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 11/26/2021 11:12:02 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\211126\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	29071	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	28227	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

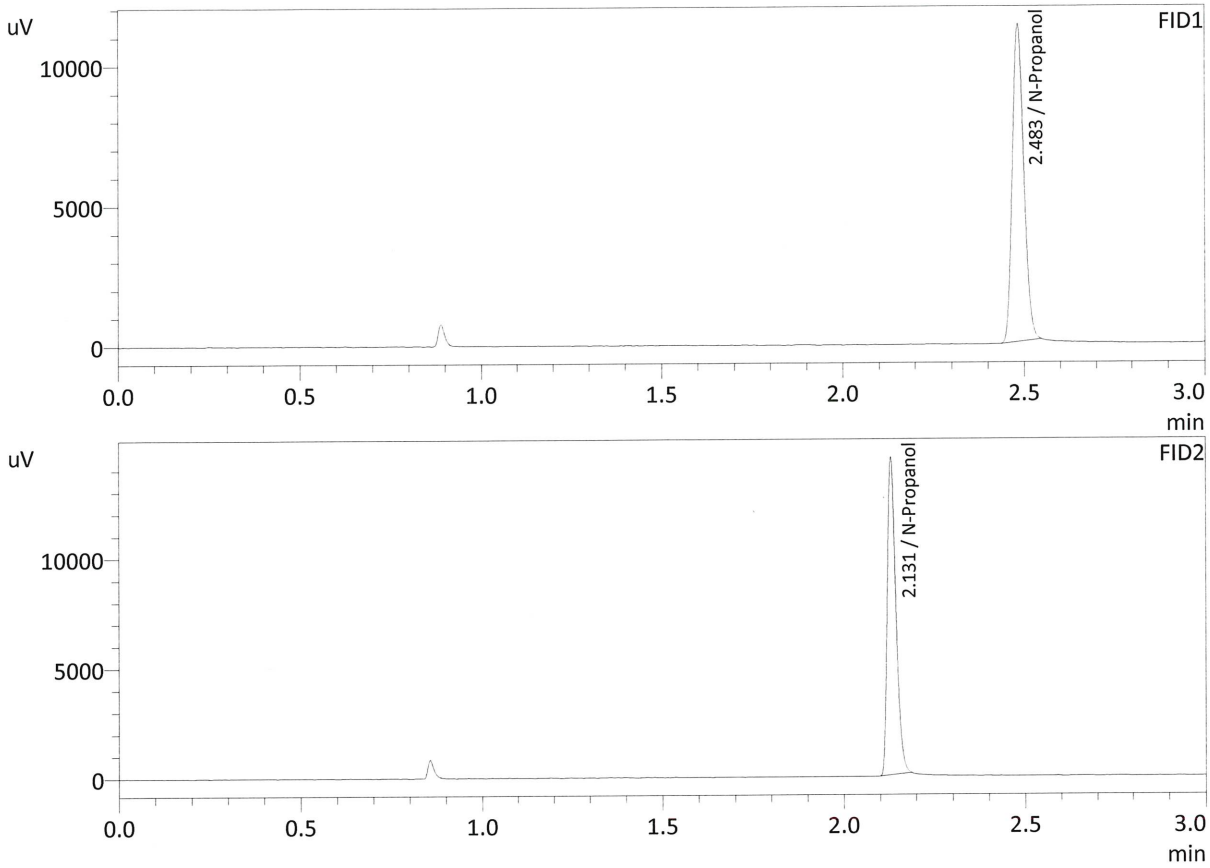
GT

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\211126\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
7	M2021-5020-2-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
8	M2021-5020-2-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
9	M2021-5142-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
10	M2021-5142-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
11	M2021-5143-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
12	M2021-5143-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
13	M2021-5168-2-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
14	M2021-5168-2-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
15	M2021-5169-2-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
16	M2021-5169-2-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
17	M2021-5188-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
18	M2021-5188-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
19	M2021-5189-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
20	M2021-5189-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
21	M2021-5194-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
22	M2021-5194-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
23	M2021-5195-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
24	M2021-5195-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
27	M2021-5196-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
28	M2021-5196-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
29	M2021-5210-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
30	M2021-5210-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
31	M2021-5211-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
32	M2021-5211-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
33	M2021-5221-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
34	M2021-5221-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
35	M2021-5222-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
36	M2021-5222-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
37	M2021-5277-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
38	M2021-5277-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
39	M2021-5300-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
40	M2021-5300-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
41	M2021-5301-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
42	M2021-5301-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
43	M2021-5304-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
44	M2021-5304-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
45	P2021-3919-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
46	P2021-3919-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
49	INT STD BLK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
50	P2021-3580-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
51	P2021-3580-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
52	P2021-3868-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
53	P2021-3868-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
54	INS STD BLK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
55	DFE 111914 PM	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
56	INT STD BLK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
57	TFE 111914	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
58	INT STD BLNK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 12/3/2021 12:04:14 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



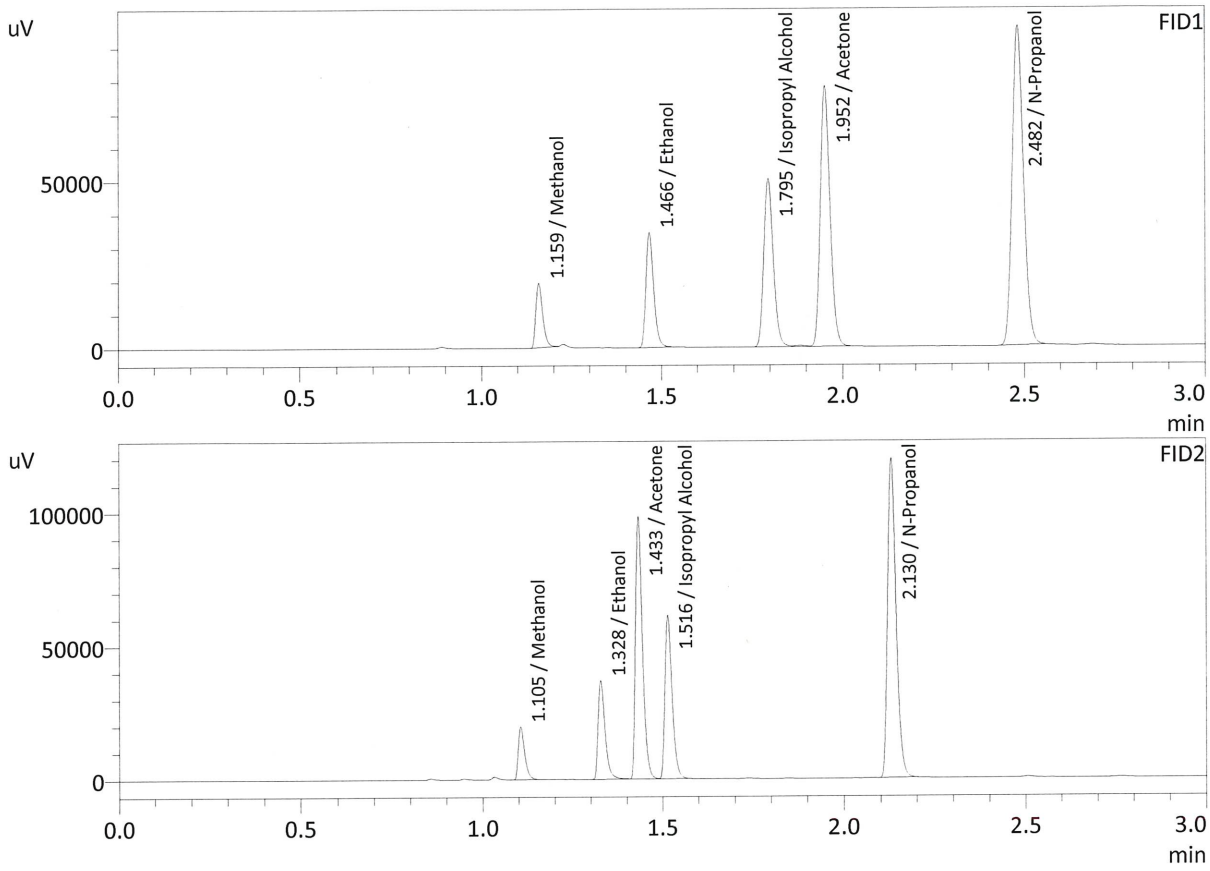
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	25181	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	24301	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 12/3/2021 12:11:34 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	25574	g/100cc
Ethanol	0.1205	52556	g/100cc
Isopropyl Alcohol	0.0000	93132	g/100cc
Acetone	0.0000	144653	g/100cc
N-Propanol	0.0000	211776	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	24813	g/100cc
Ethanol	0.1222	49776	g/100cc
Acetone	0.0000	132362	g/100cc
Isopropyl Alcohol	0.0000	85904	g/100cc
N-Propanol	0.0000	196368	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.:QC 1-1 **Analysis Date(s): 12/03/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0742	0.0739	0.0003	0.0740	0.0024	0.0752
(g/100cc)	0.0766	0.0762	0.0004	0.0764		

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

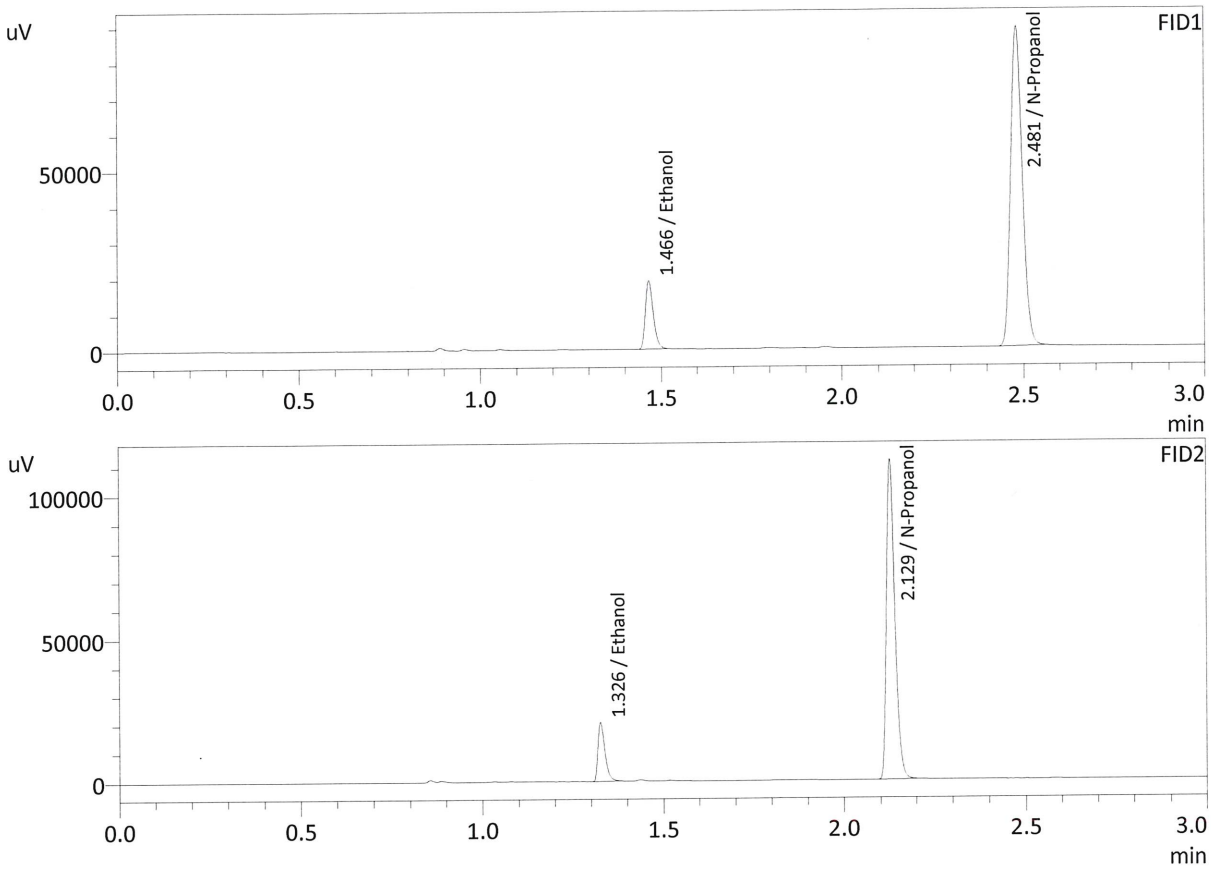
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : QC-1-1-A
Laboratory : Meridian
Injection Date : 12/3/2021 12:18:55 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



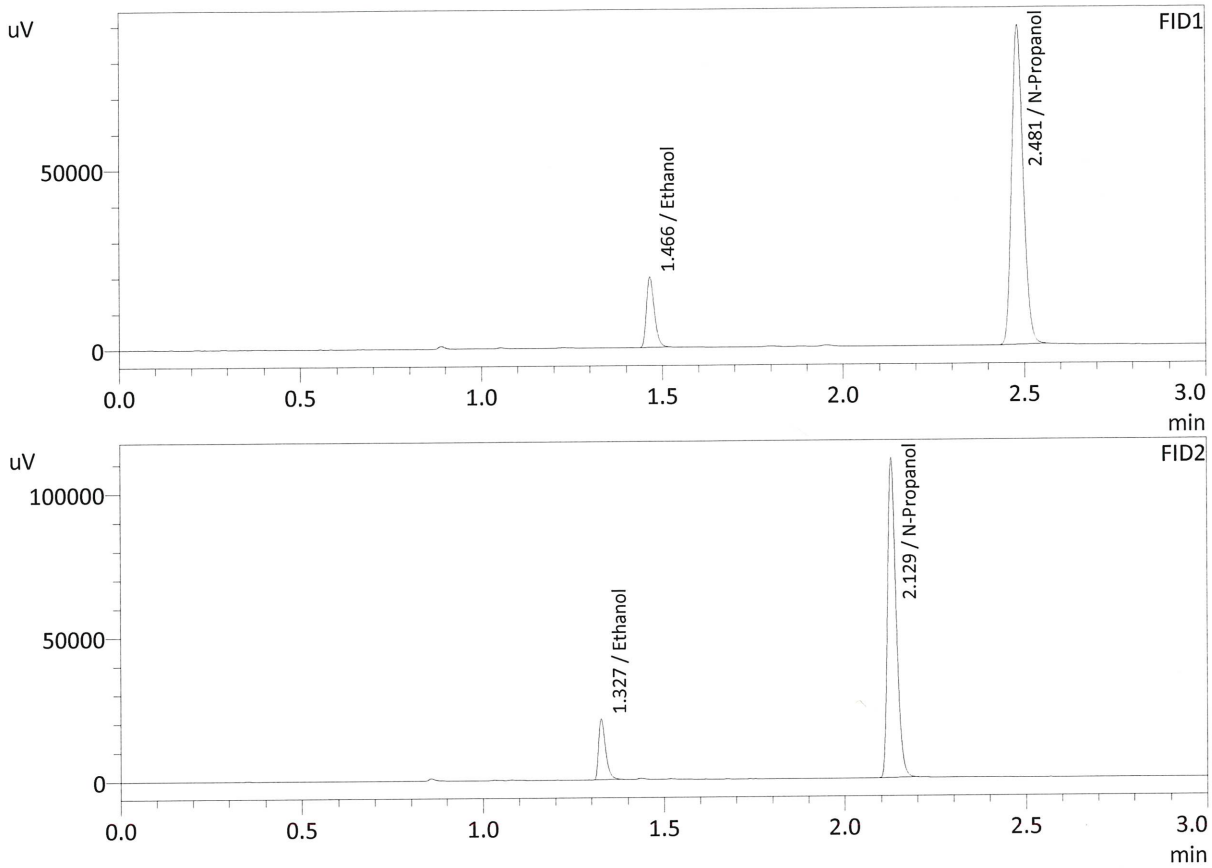
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0742	29187	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196964	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0739	27527	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183204	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 12/3/2021 12:27:47 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0766	30131	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196484	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0762	28376	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182889	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.:QA 0.08 **Analysis Date(s): 12/03/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0819	0.0003	0.0820	0.0011	0.0825
(g/100cc)	0.0832	0.0830	0.0002	0.0831		

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

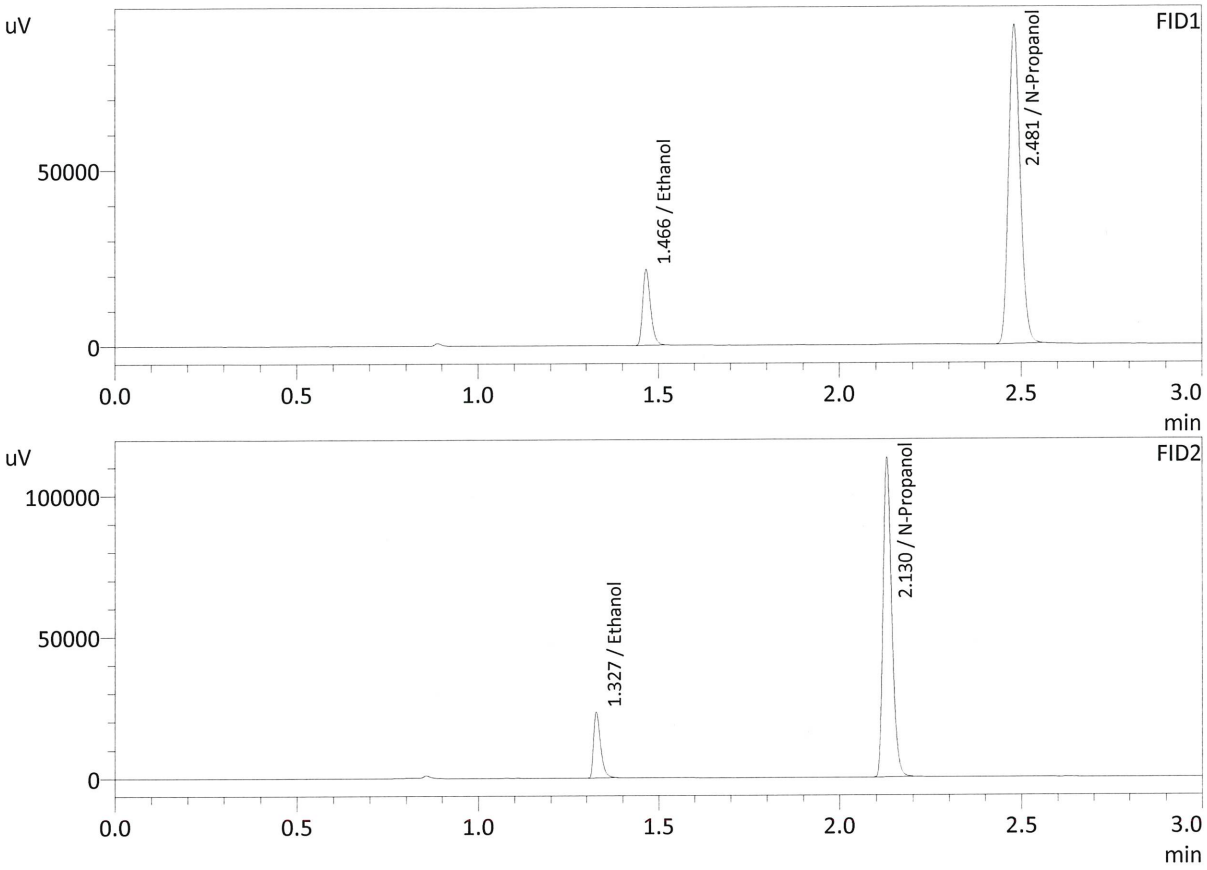
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 12/3/2021 12:35:29 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



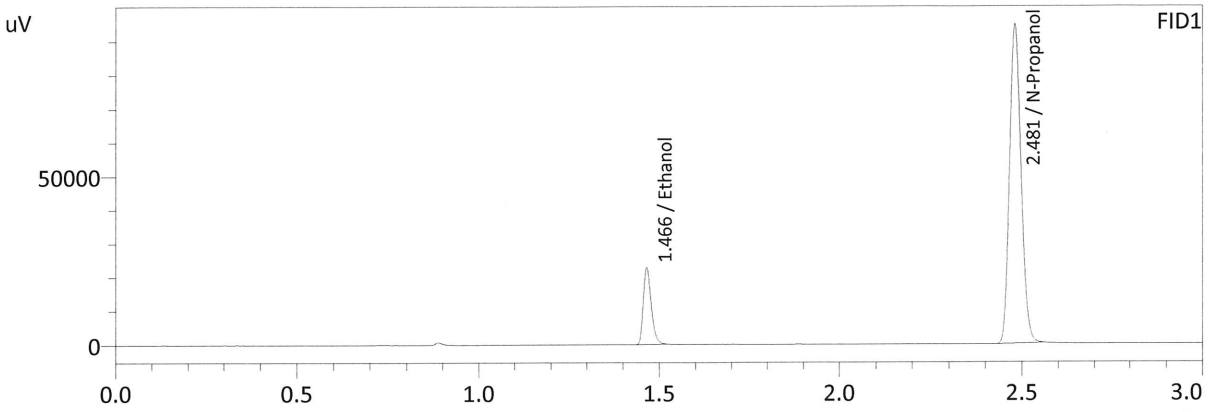
FID1

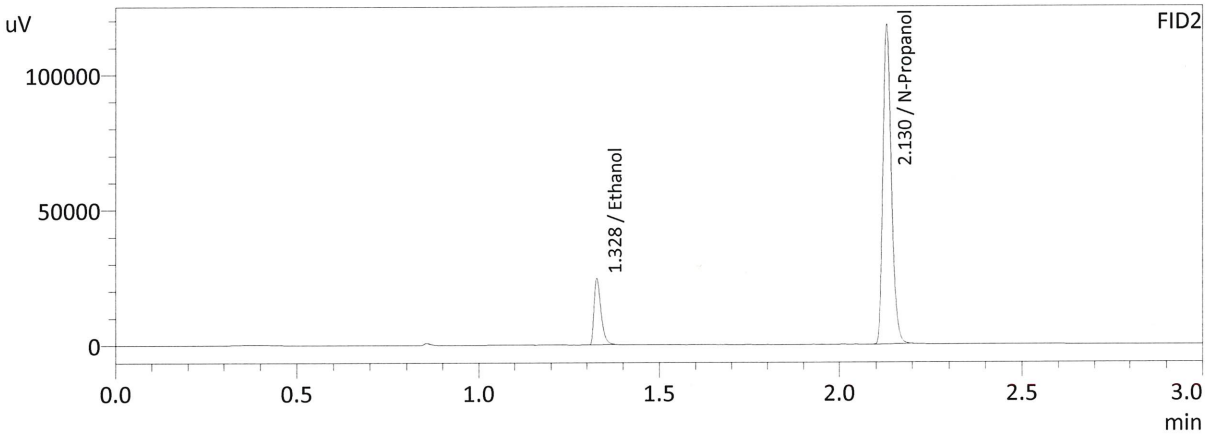
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	33068	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200037	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	31118	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186047	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 12/3/2021 12:43:38 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	35026	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209082	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0830	33010	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194581	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 12/03/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0784	0.0783	0.0001	0.0783	0.0005	0.0786
(g/100cc)	0.0789	0.0788	0.0001	0.0788		

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

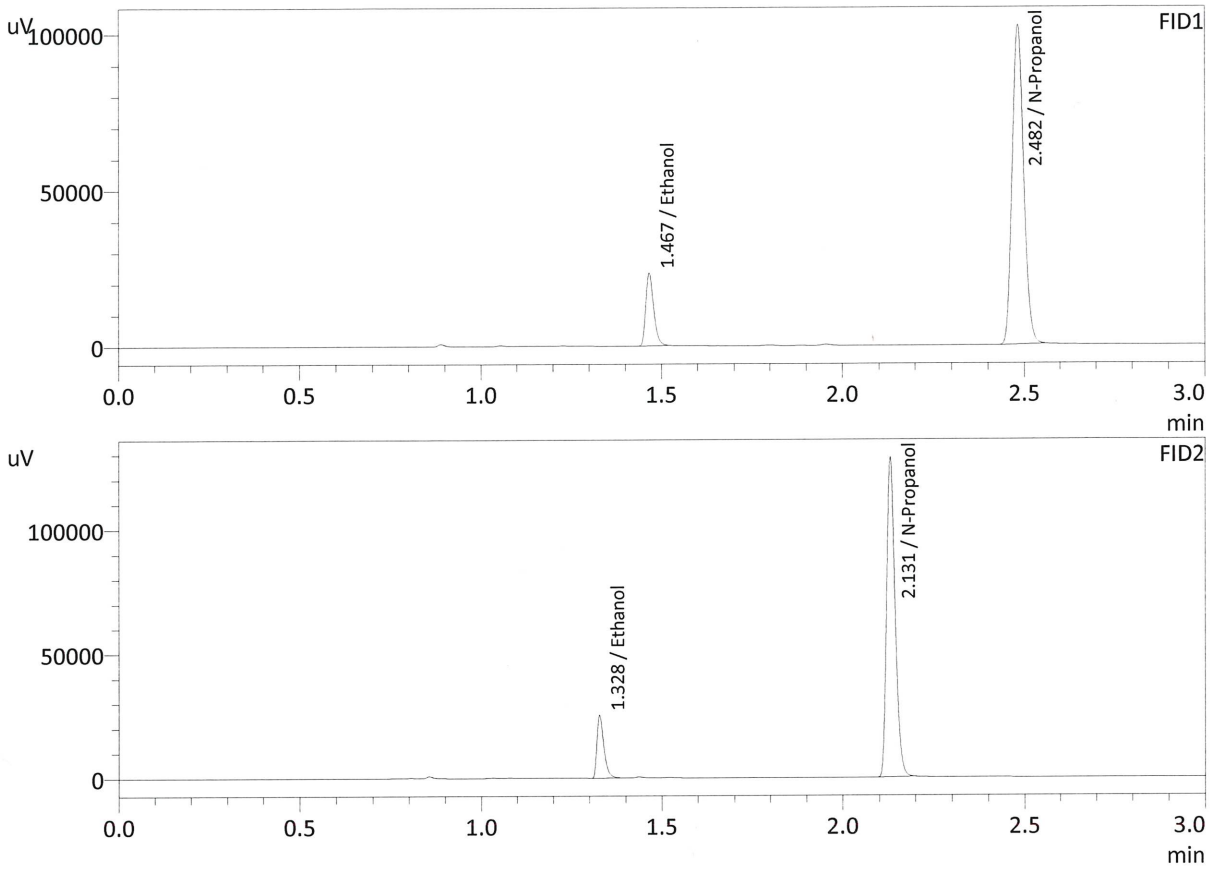
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 12/3/2021 6:11:26 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



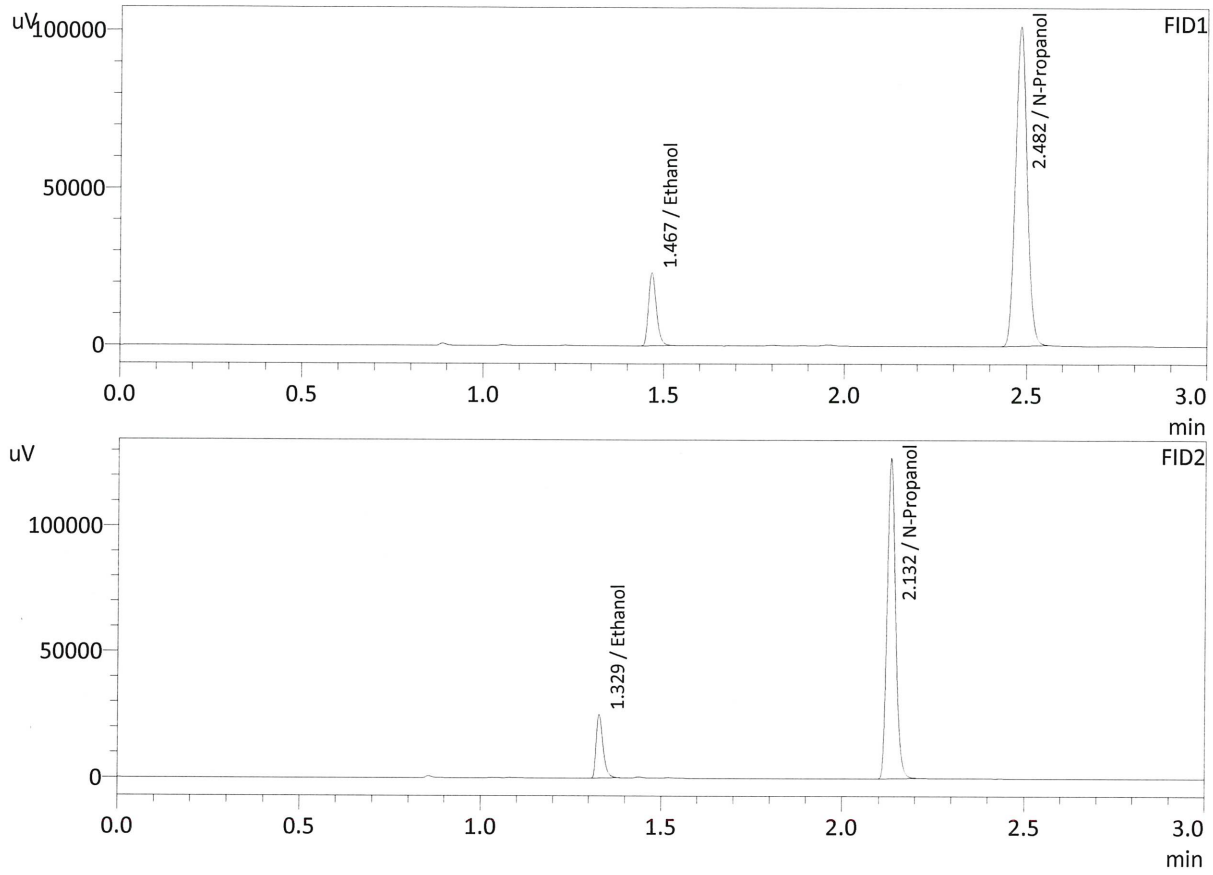
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0784	35749	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227333	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0783	33714	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211088	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 12/3/2021 6:20:36 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	35657	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225265	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33659	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209429	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 12/03/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2076	0.2083	0.0007	0.2079	0.0023	0.2091
(g/100cc)	0.2096	0.2109	0.0013	0.2102		

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

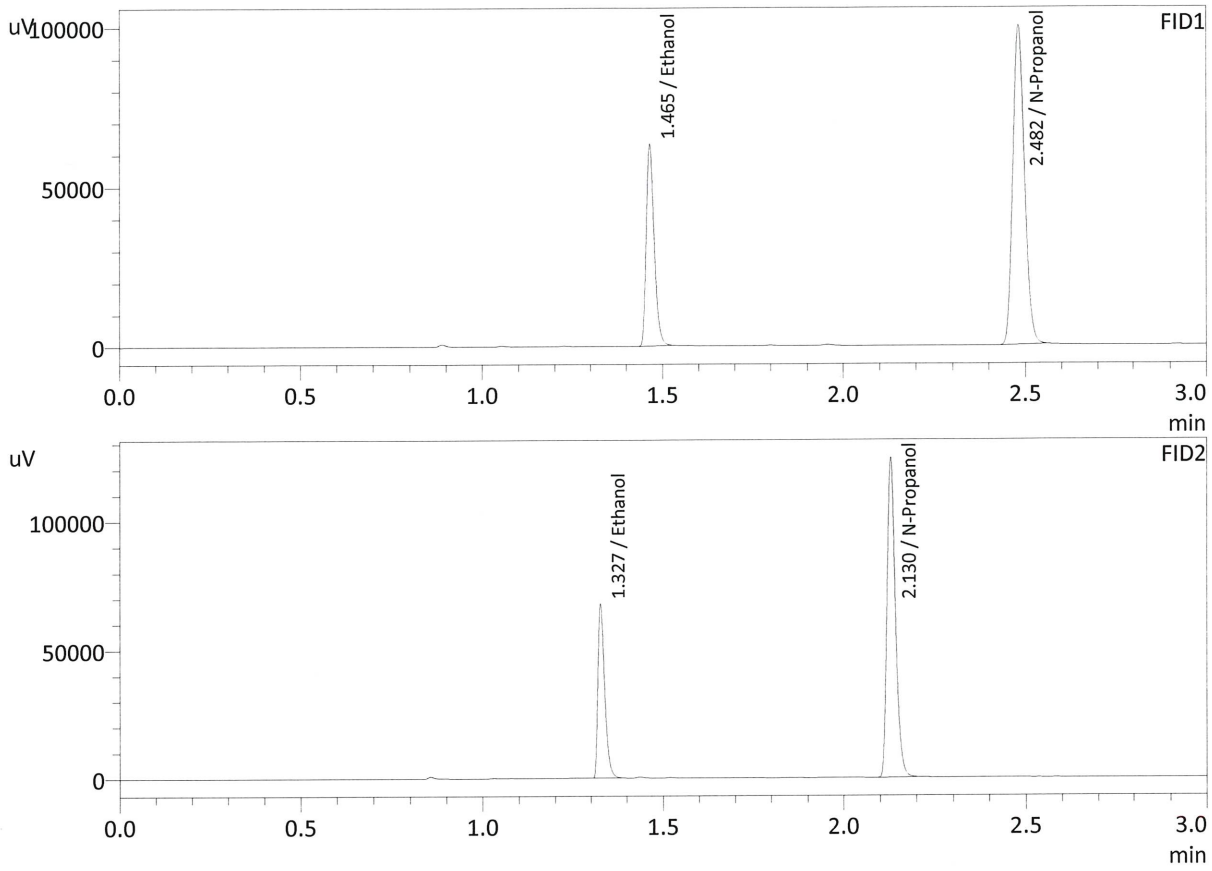
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 12/3/2021 3:15:41 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



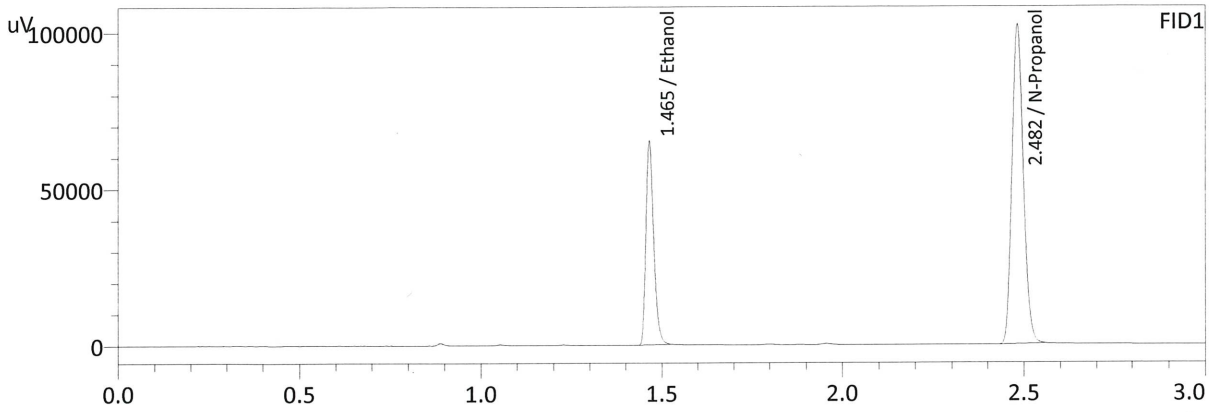
FID1

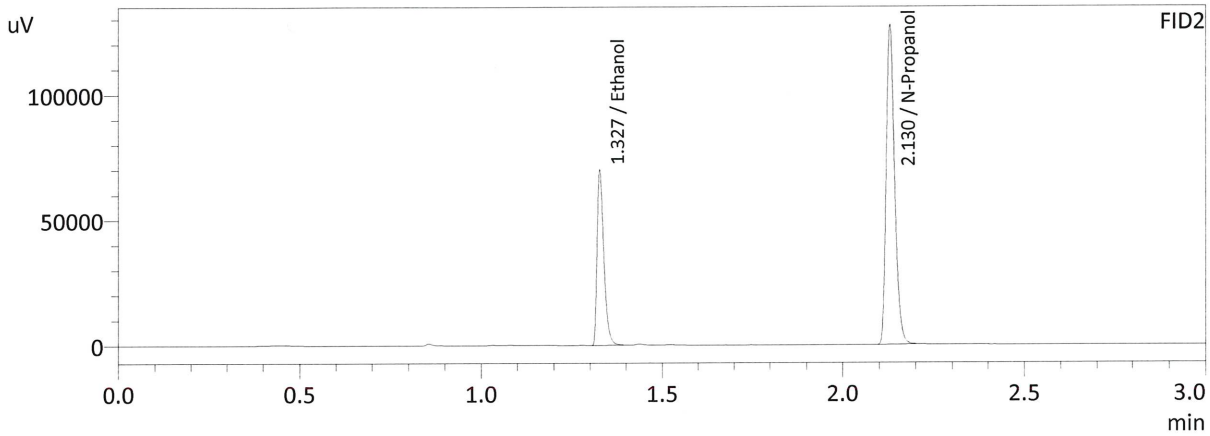
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	96189	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220499	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2083	89388	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204385	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 12/3/2021 3:23:46 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





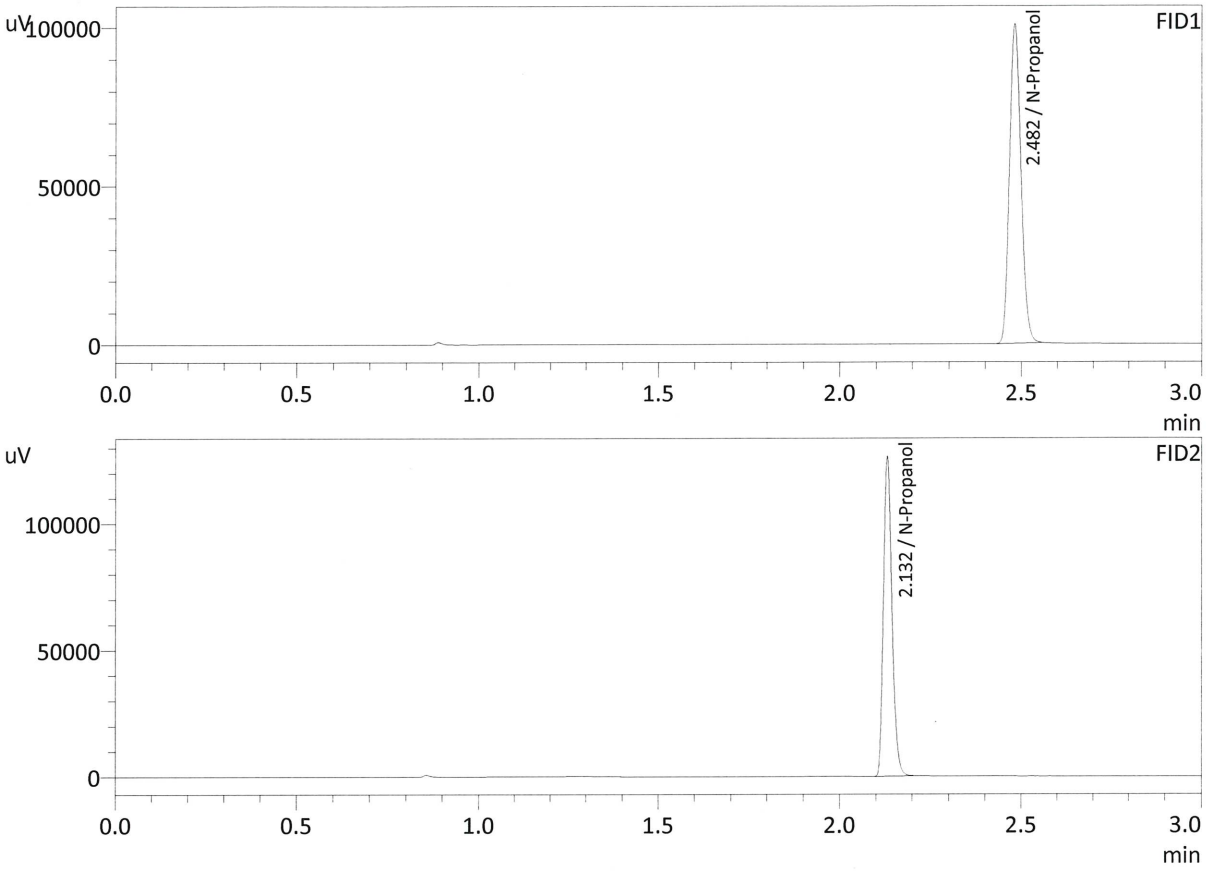
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	99281	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225380	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2109	92617	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209099	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/3/2021 6:27:52 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



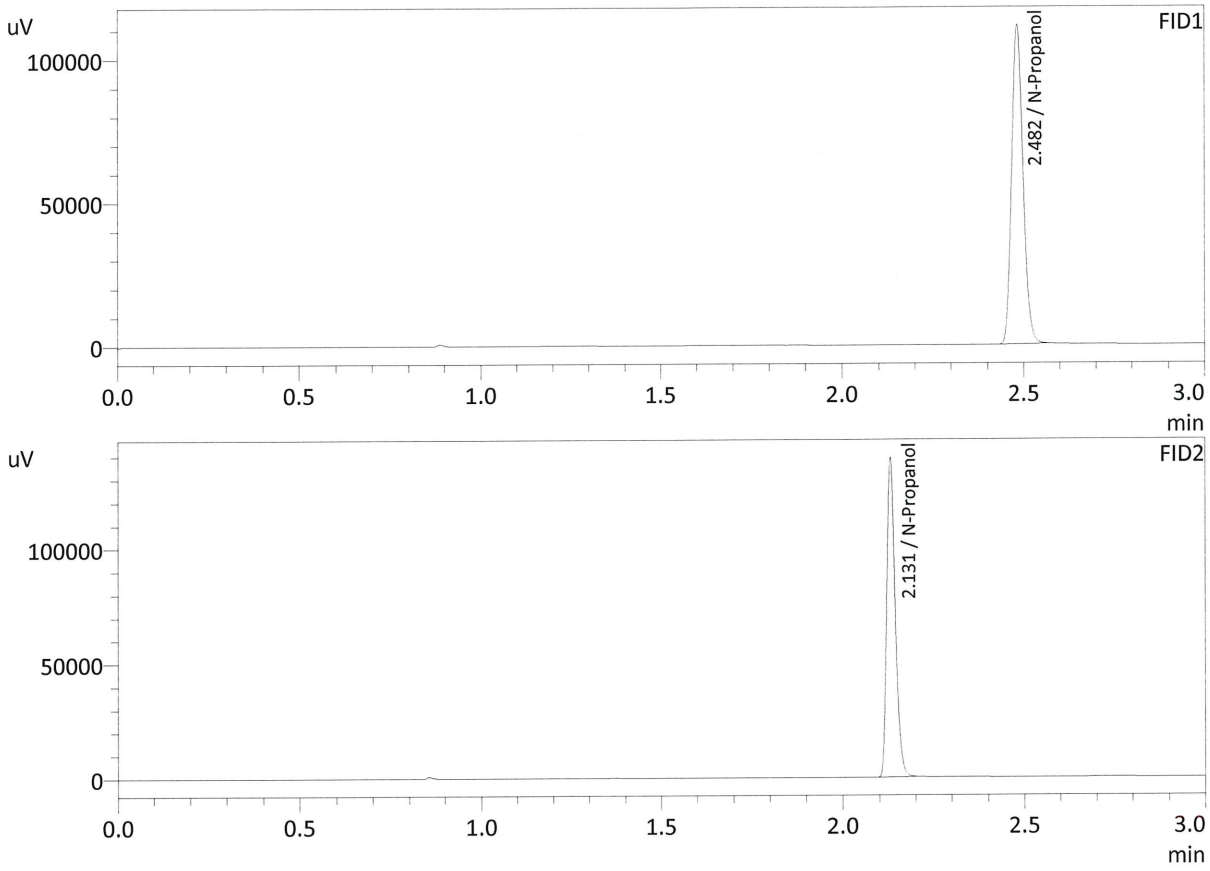
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223456	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	208062	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INS STD BLK
Laboratory : Meridian
Injection Date : 12/3/2021 7:09:23 PM
Vial # : 54
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



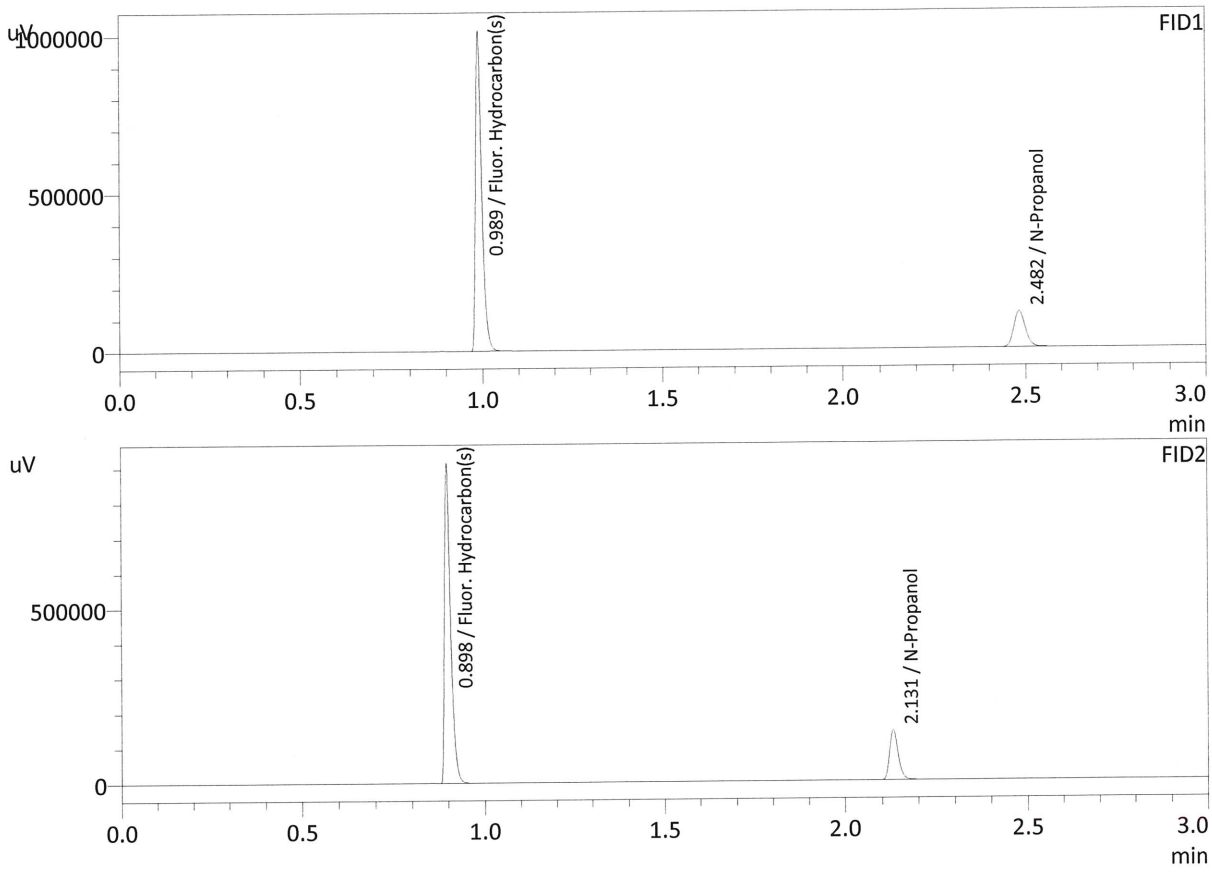
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	245877	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	228131	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 111914 PM
Laboratory : Meridian
Injection Date : 12/3/2021 7:16:43 PM
Vial # : 55
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



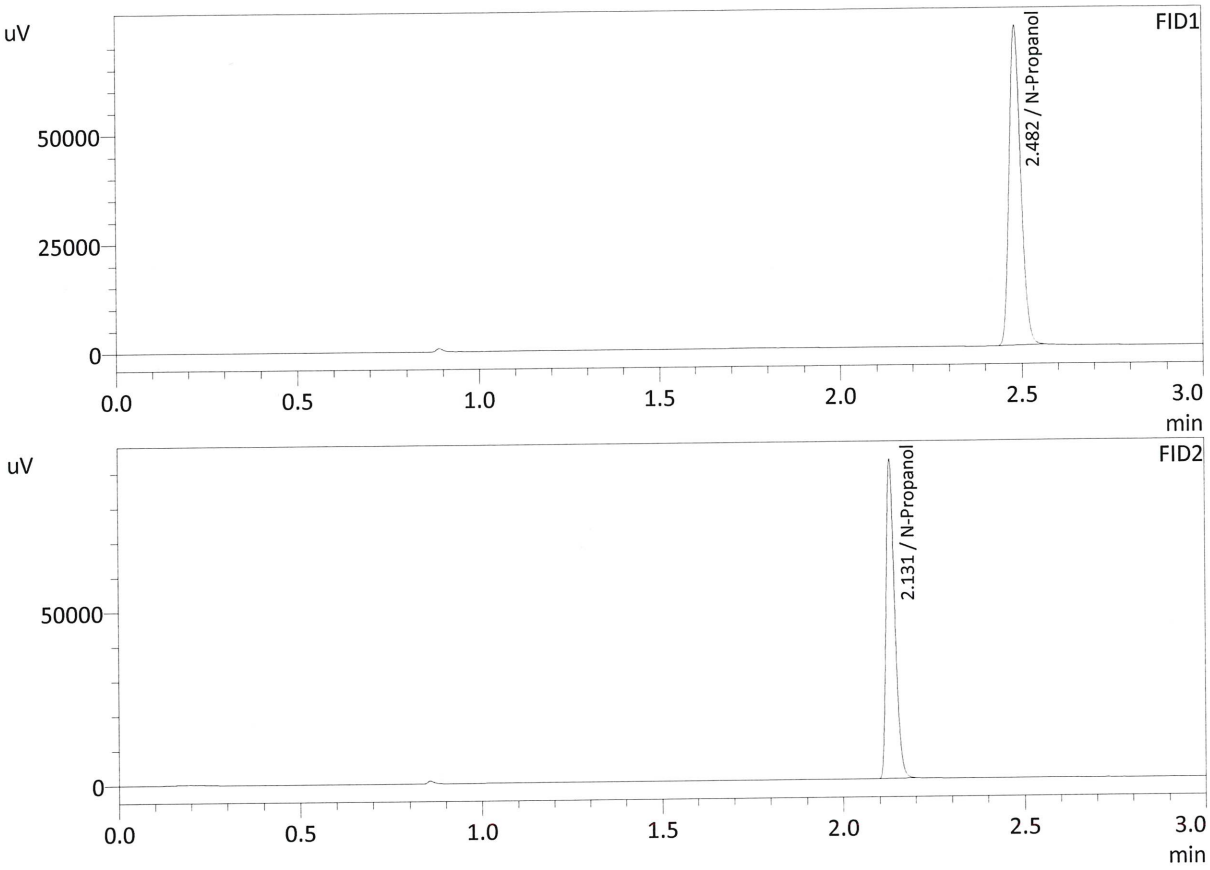
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252781	g/100cc
Fluor. Hydrocarbon(s)	0.0000	1204696	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234464	g/100cc
Fluor. Hydrocarbon(s)	0.0000	1052686	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/3/2021 7:25:04 PM
Vial # : 56
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



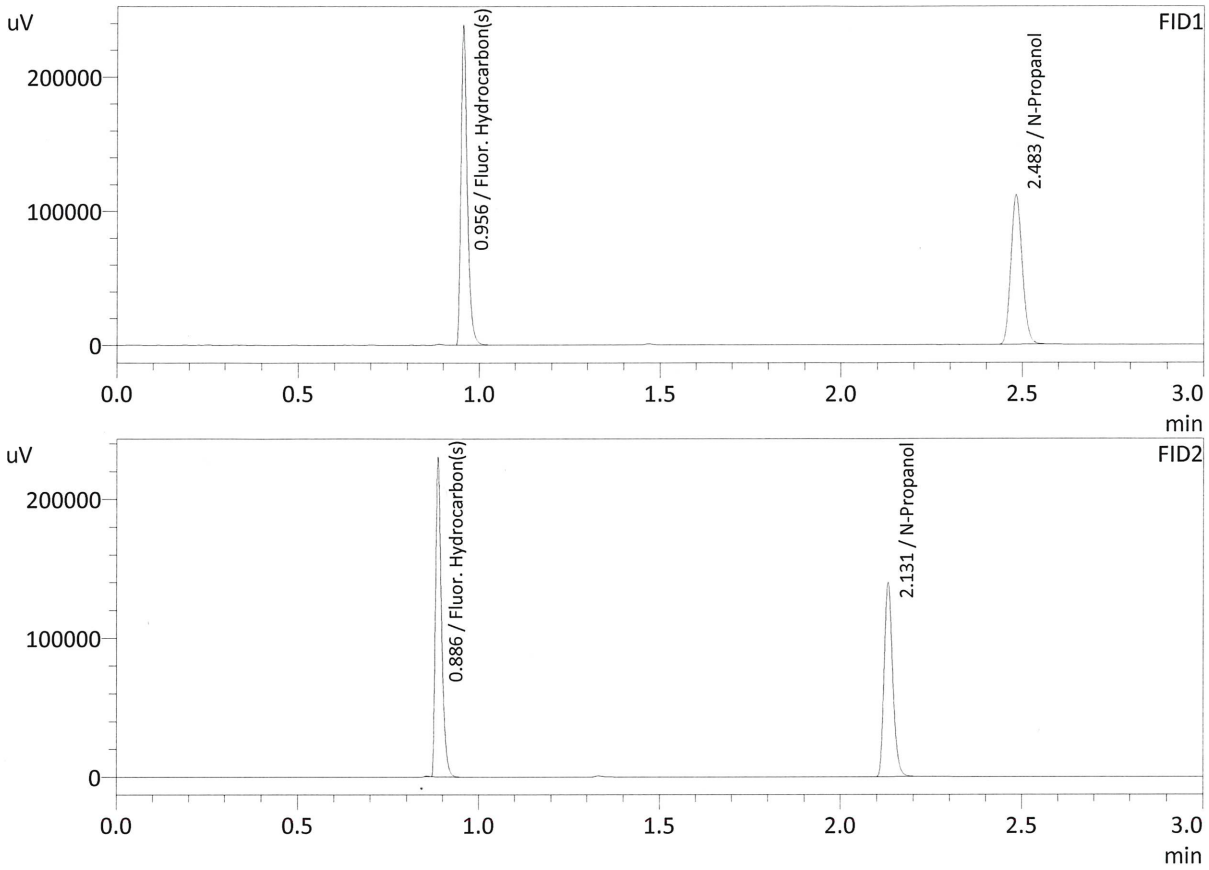
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	162843	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	152265	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 12/3/2021 7:34:11 PM
Vial # : 57
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



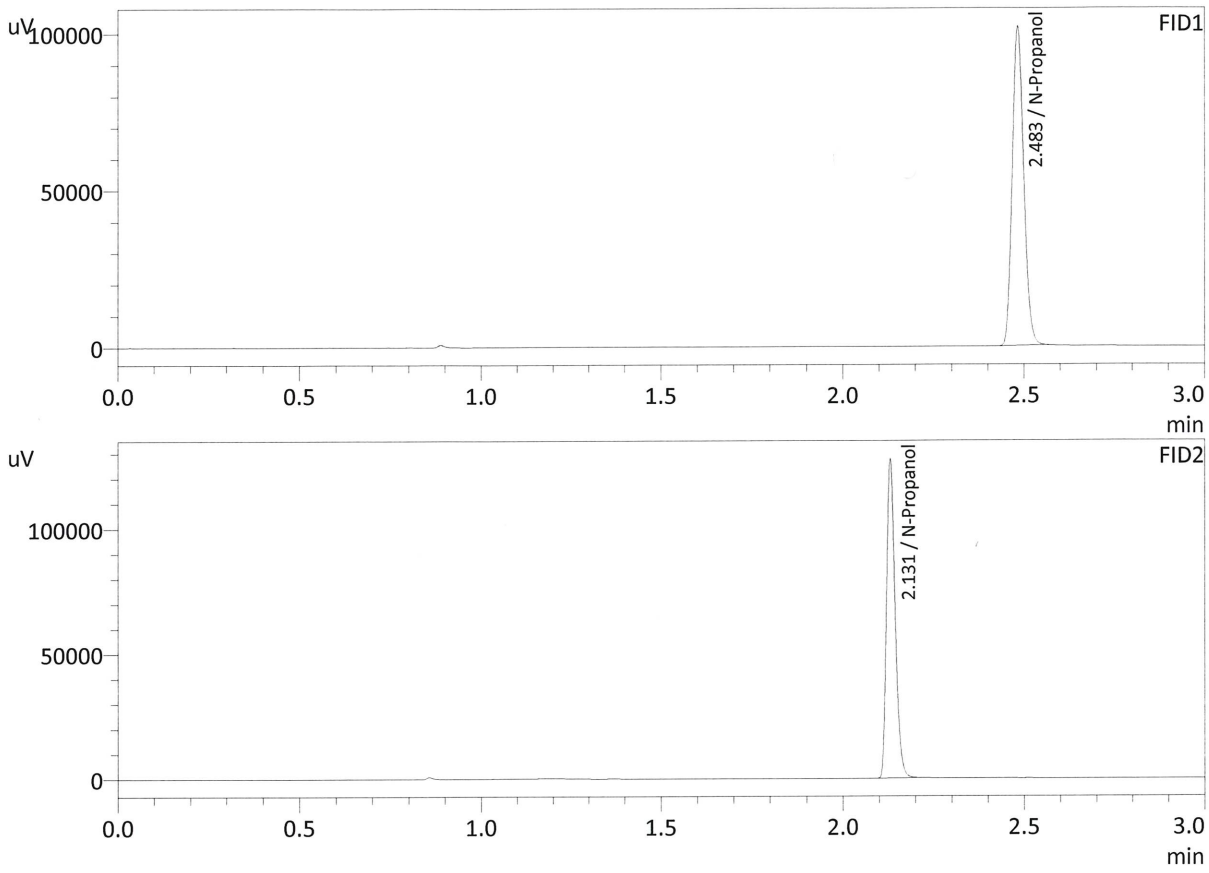
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	247098	g/100cc
Fluor. Hydrocarbon(s)	0.0000	289805	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229330	g/100cc
Fluor. Hydrocarbon(s)	0.0000	265682	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 12/3/2021 7:41:32 PM
Vial # : 58
Method Filename : C:\LabSolutions\Data\211126\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	225444	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	209697	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc