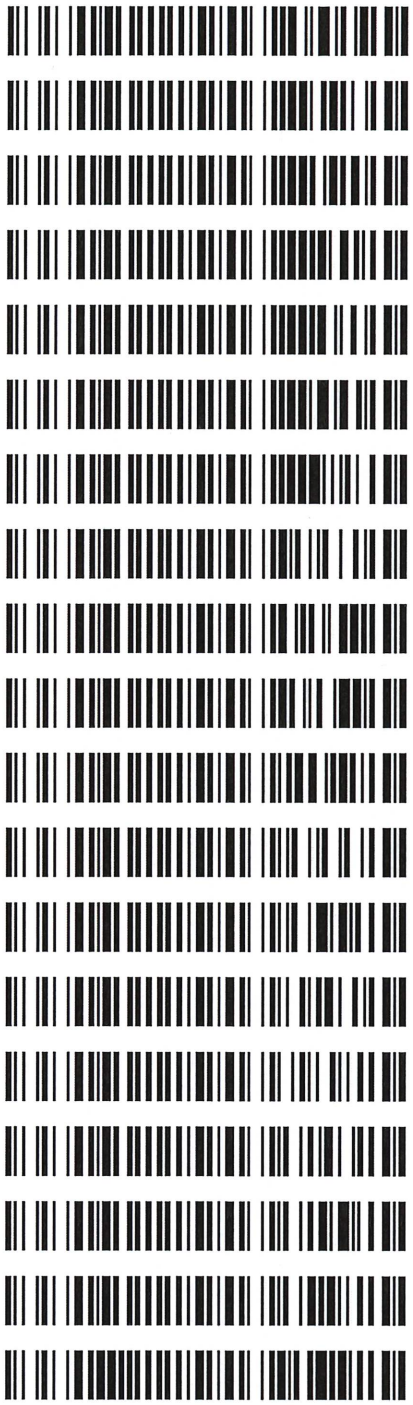
7/7/2021

Worklist: 5080

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-2792	1	BCK	Alcohol Analysis
M2021-2800	1	BCK	Alcohol Analysis
M2021-2802	1	BCK	Alcohol Analysis
M2021-2803	1	BCK	Alcohol Analysis
M2021-2804	1	BCK	Alcohol Analysis
M2021-2806	1	BCK	Alcohol Analysis
M2021-2807	1	BCK	Alcohol Analysis
M2021-2820	1	BCK	Alcohol Analysis
M2021-2839	1	BCK	Alcohol Analysis
M2021-2858	1	BCK	Alcohol Analysis
M2021-2882	1	BCK	Alcohol Analysis
M2021-2885	1	BCK	Alcohol Analysis
M2021-2888	1	BCK	Alcohol Analysis
M2021-2891	1	BCK	Alcohol Analysis
M2021-2931	1	BCK	Alcohol Analysis
M2021-2946	1	BCK	Alcohol Analysis
M2021-2947	1	BCK	Alcohol Analysis
M2021-2948	1	BCK	Alcohol Analysis
P2021-2175	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: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 07/06/2021 -07/07/2021**

Calibration Date: 07/06/2021

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0733 g/100cc
					0.0745 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.1993 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN007101701		OK
Curve Fit:	**Column 1**	0.99962	**Column2**		0.99965

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0517	0.0513	0.0004	0.0515
100	0.100	0.090 - 0.110	0.0986	0.0986	0	0.0986
200	0.200	0.180 - 0.220	0.2029	0.2032	0.0003	0.203
300	0.300	0.270 - 0.330	0.2944	0.2948	0.0004	0.2946
400	0.400	0.360 - 0.440				
500	0.500	0.450 - 0.550	0.5022	0.5019	0.0003	0.502

Aqueous Controls

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

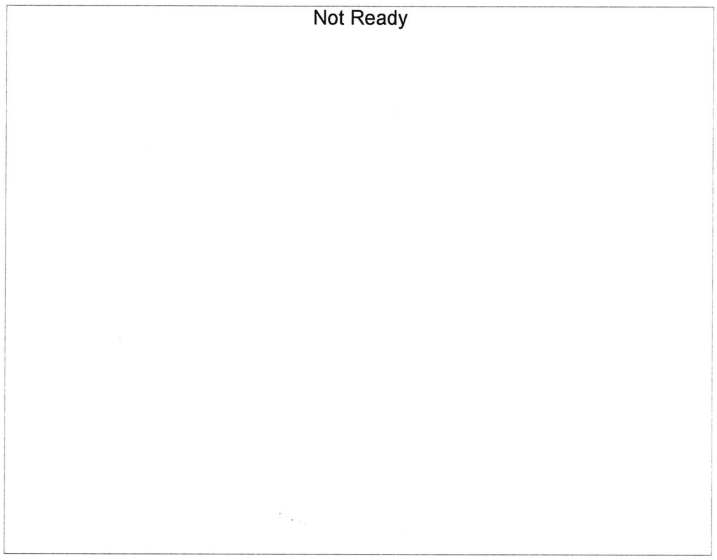
REVIEWED
By RCutler at 3:16 pm, Jul 07, 2021

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

Calibration Table

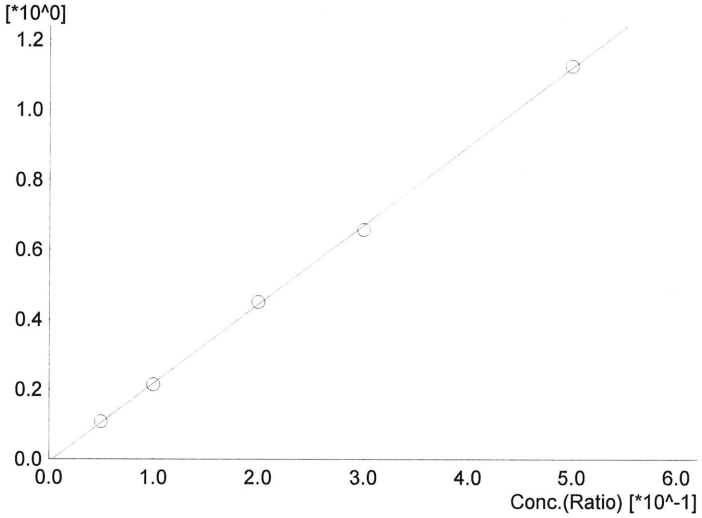
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :7/6/2021 11:00:56 AM
Date Created :7/6/2021 10:56:18 AM
Date Modified :7/6/2021 11:03:58 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)=2.25753*x-0.00881545
R^2 value= 0.9996152
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	23858	0.0517
2	0.100	44073	0.0986
3	0.200	96088	0.2029
4	0.300	134135	0.2944
5	0.500	241028	0.5022

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

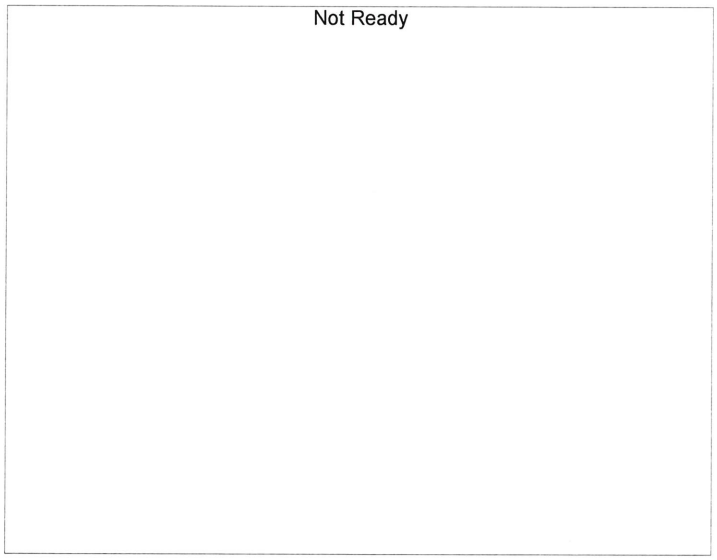
#	Conc.	Area	Std. Conc.

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

#	Conc.	Area	Std. Conc.

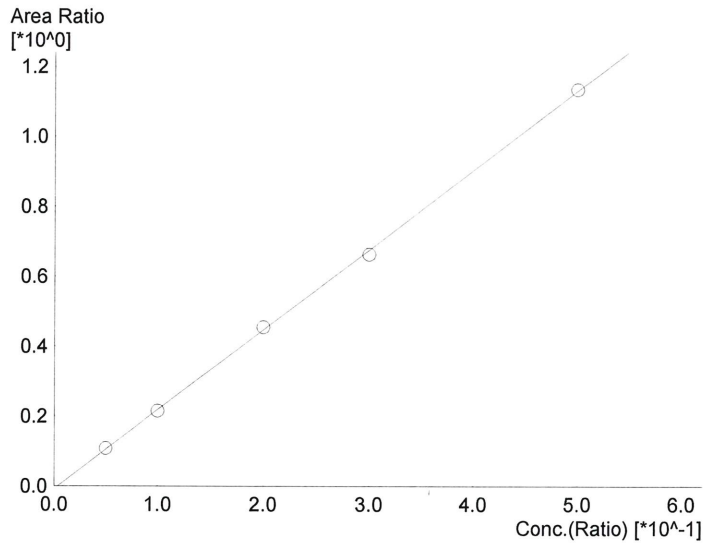
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



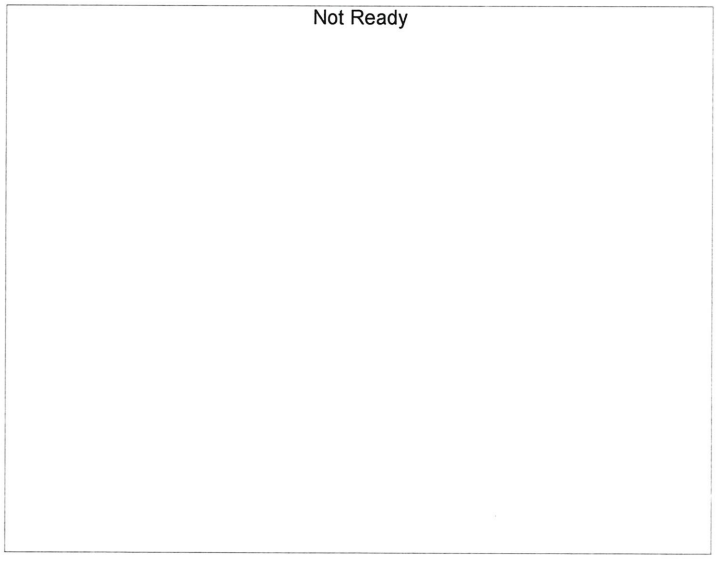
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.27939*x-0.00951992
R^2 value= 0.9996537
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21210	0.0513
2	0.100	39685	0.0986
3	0.200	86786	0.2032
4	0.300	121227	0.2948
5	0.500	217990	0.5019



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

#	Conc.	Area	Std. Conc.

Not Ready

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.

Not Ready

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

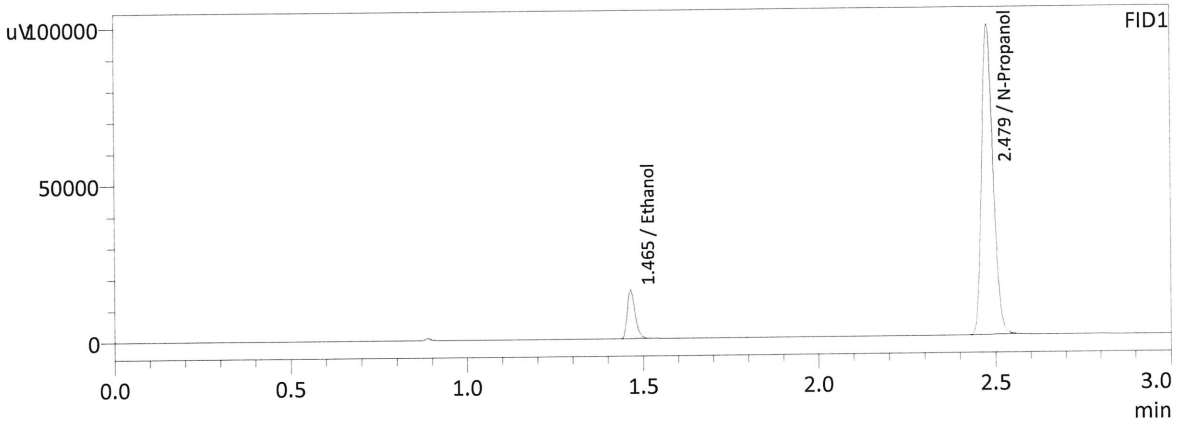
#	Conc.	Area	Std. Conc.

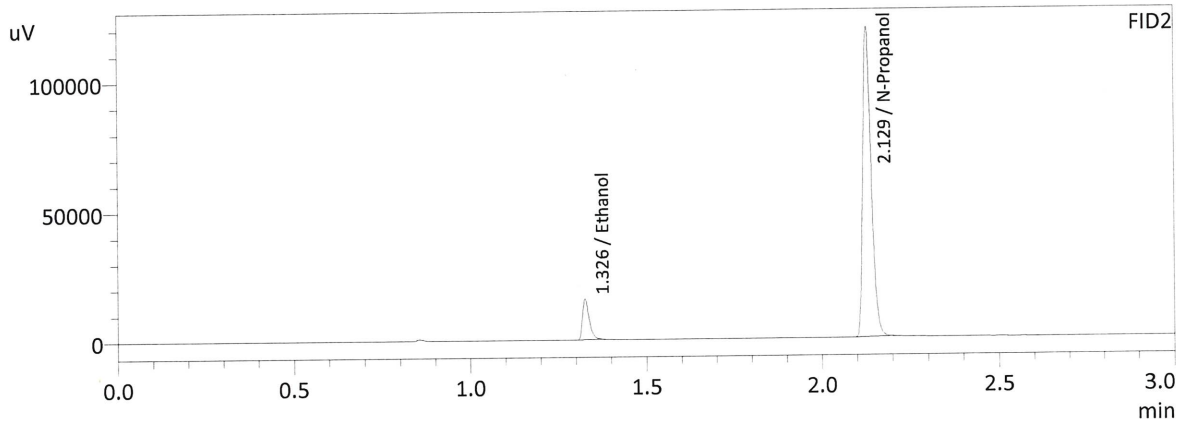
Meridian Blood Alcohol Analysis Batch Table

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 : 7/6/2021 10:29:46 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





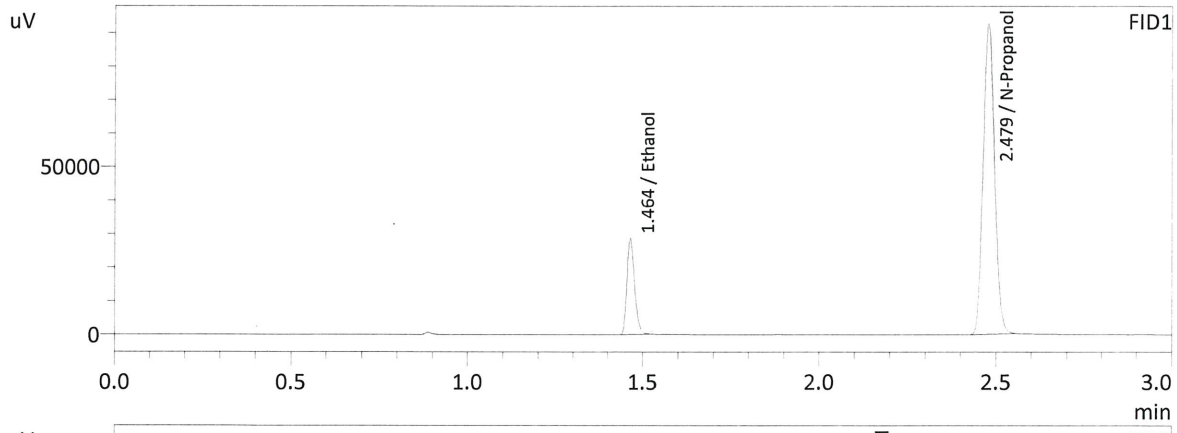
FID1

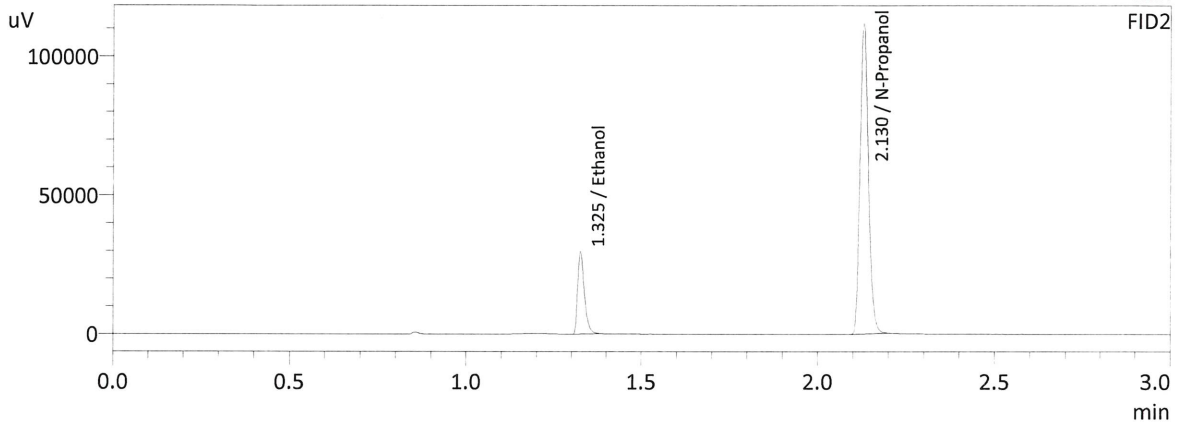
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0517	23858	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221070	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0513	21210	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197218	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/6/2021 10:37:06 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





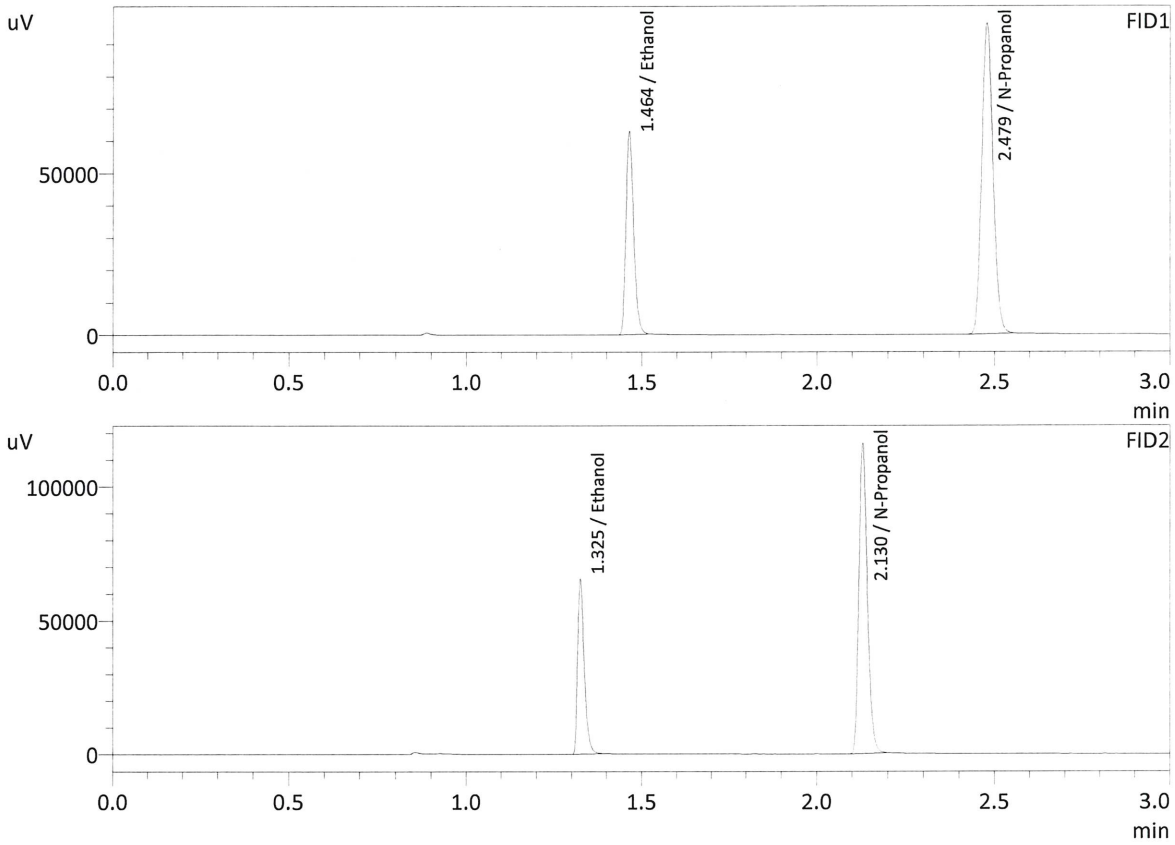
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0986	44073	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206001	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0986	39685	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184370	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 7/6/2021 10:44:43 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



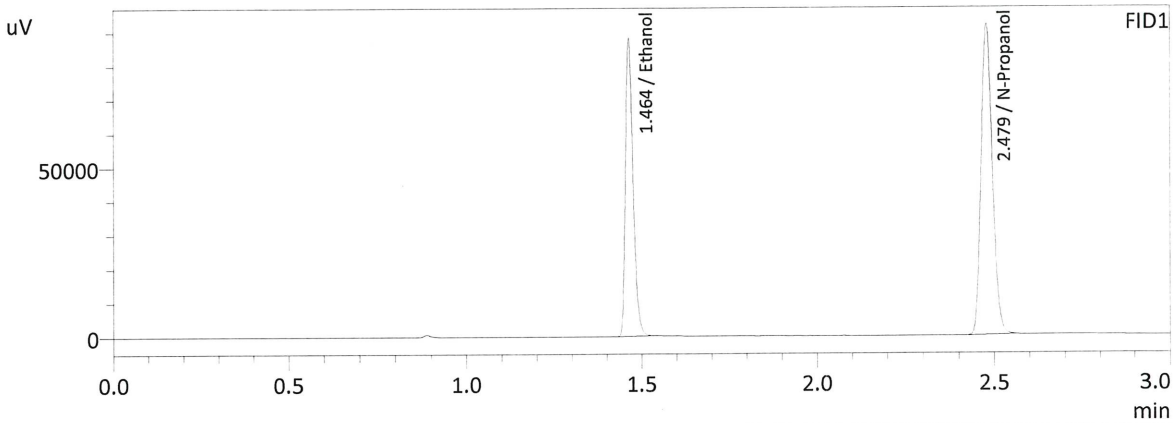
FID1

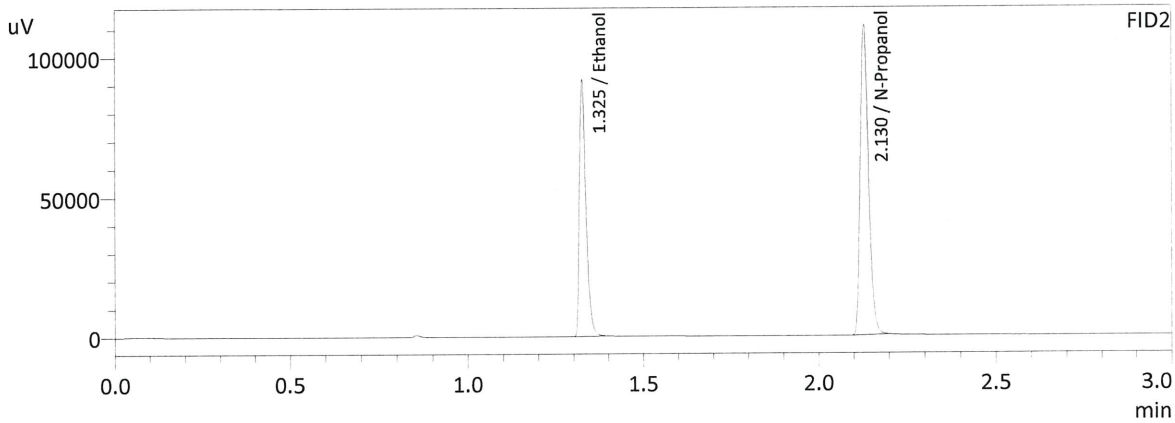
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2029	96088	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213879	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2032	86786	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191265	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/6/2021 10:53:09 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





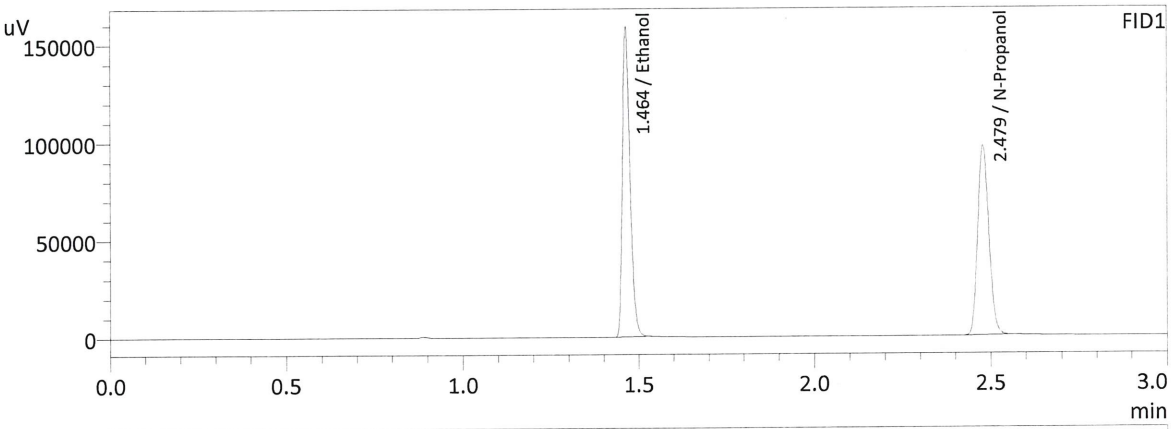
FID1

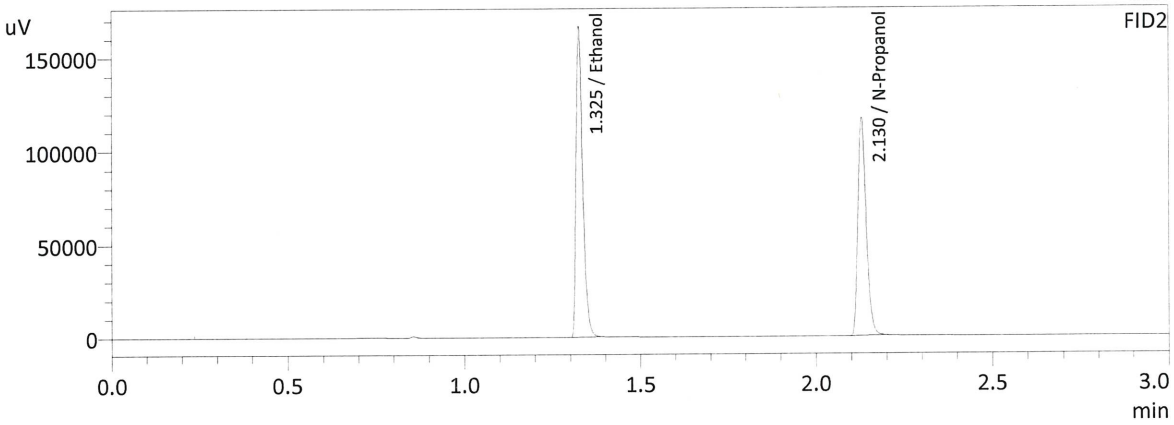
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2944	134135	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204511	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2948	121227	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182956	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 7/6/2021 11:00:56 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





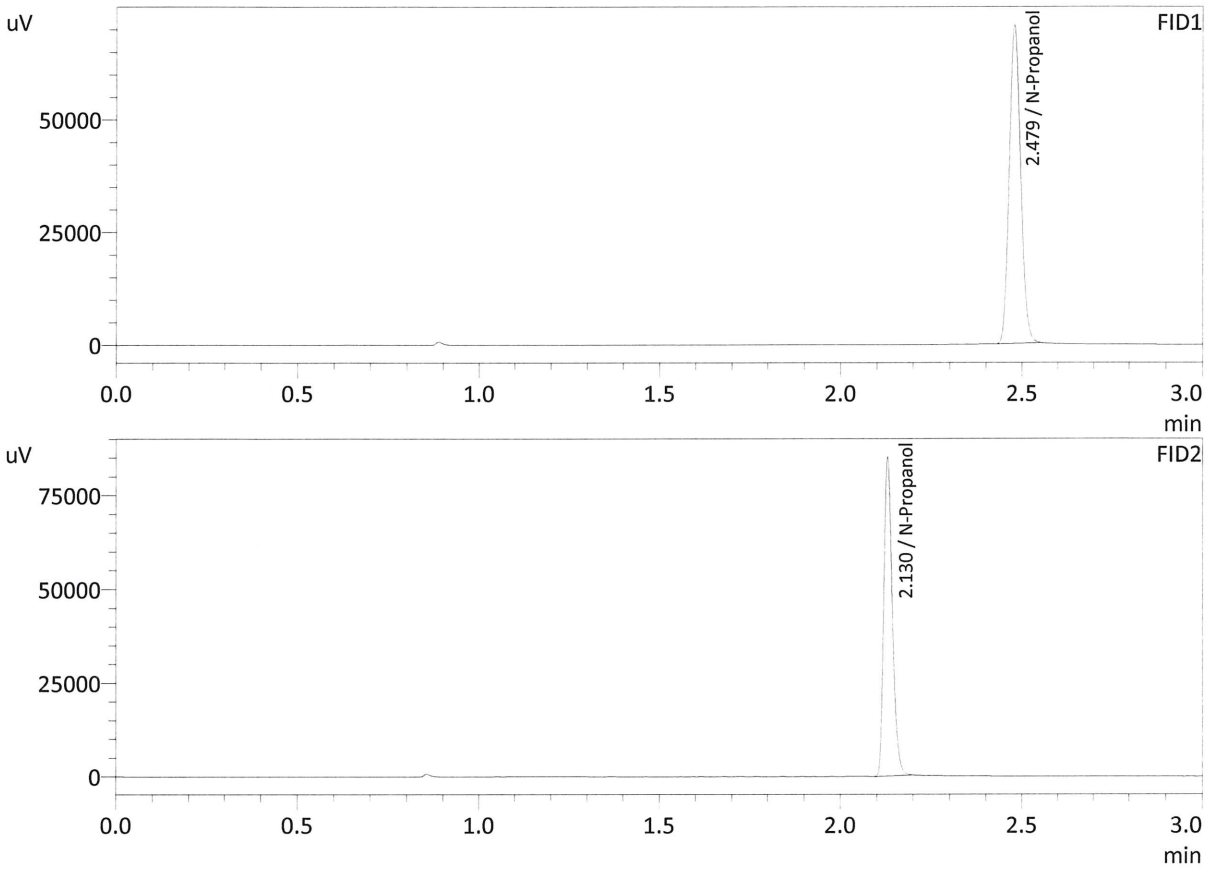
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5022	241028	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214234	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5019	217990	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192136	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 7/6/2021 11:09:31 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\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	157495	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

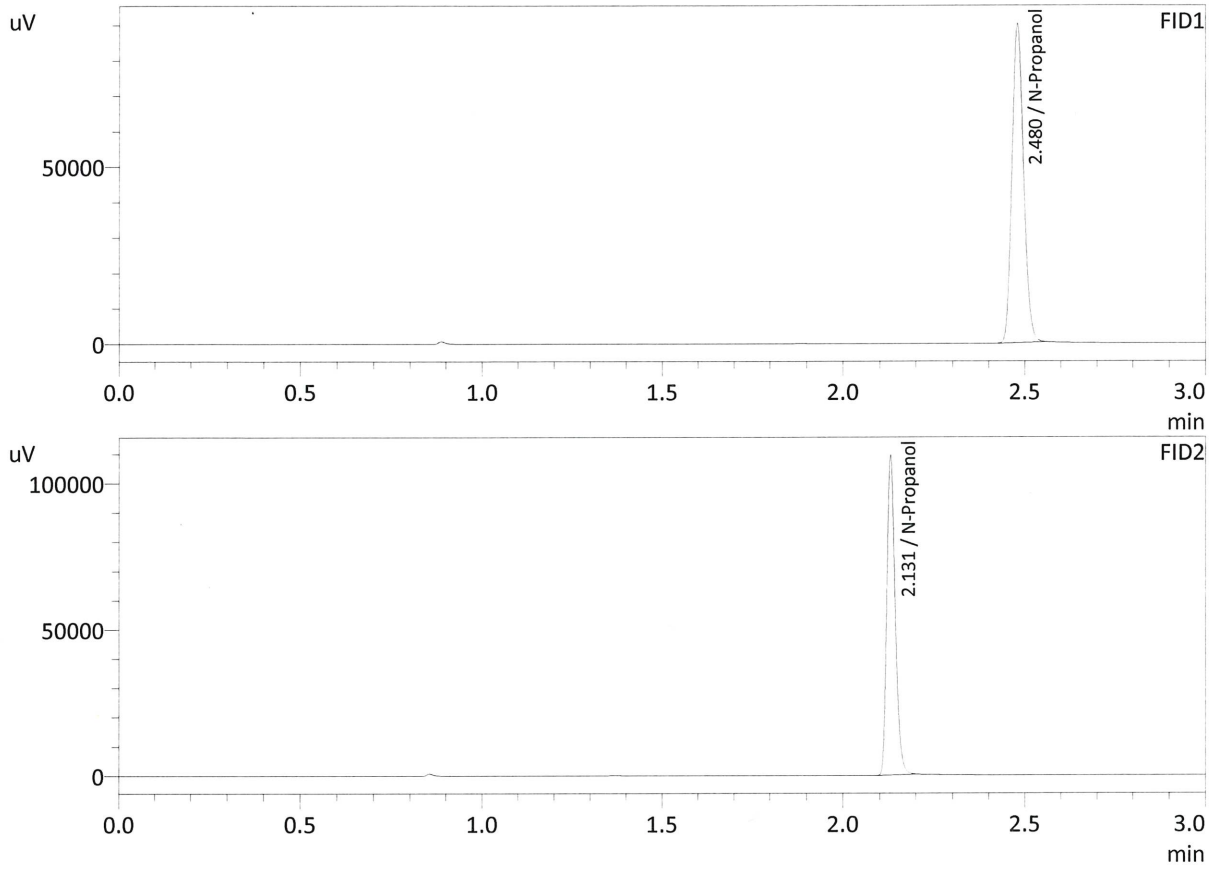
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	140616	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
2	ED VOLATILES FN 0710	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
3	QC-1-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
4	QC-1-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
5	0.08 QA-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
6	0.08 QA-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
7	M2001-2792-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
8	M2001-2792-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
9	M2021-2800-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
10	M2021-2800-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
11	M2021-2802-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
12	M2021-2802-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
13	M2021-2803-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
14	M2021-2803-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
15	M2021-2804-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
16	M2021-2804-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
17	M2021-2806-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
18	M2021-2806-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
19	M2021-2807-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
20	M2021-2807-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
21	M2021-2820-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
22	M2021-2820-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
23	M2021-2839-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
24	M2021-2839-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
25	QC-2-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
26	QC-2-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
27	M2021-2858-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
28	M2021-2858-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
29	M2021-2882-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
30	M2021-2882-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
31	M2021-2885-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
32	M2021-2885-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
33	M2021-2888-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
34	M2021-2888-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
35	M2021-2891-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
36	M2021-2891-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
37	M2021-2931-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
38	M2021-2931-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
39	M2021-2946-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
40	M2021-2946-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
41	M2021-2947-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
42	M2021-2947-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
43	M2021-2948-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
44	M2021-2948-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
45	P2021-2175-1-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
46	P2021-2175-1-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
47	QC1-2-A	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
48	QC1-2-B	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
49	INT STD BLNK	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/6/2021 1:15:48 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



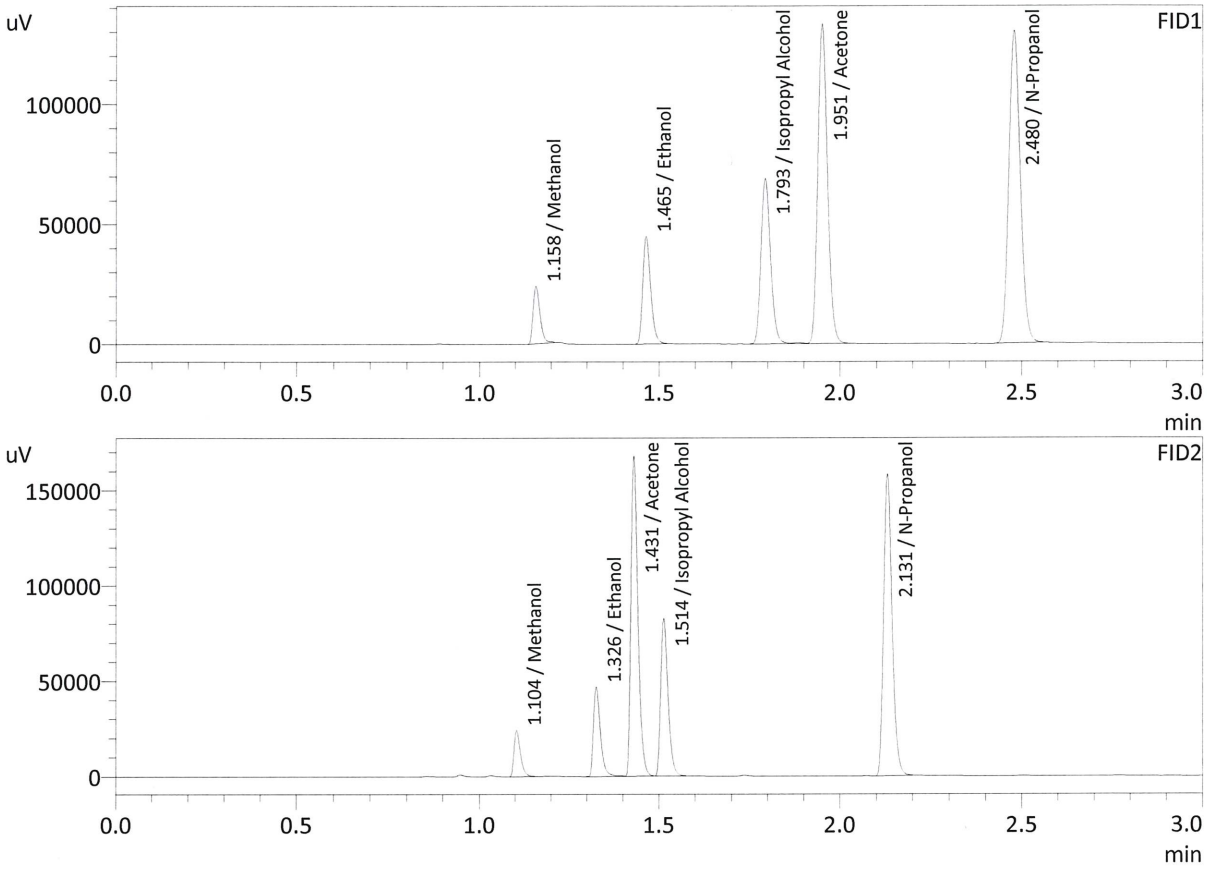
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201533	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	180125	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 7/6/2021 1:23:08 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	32111	g/100cc
Ethanol	0.1091	68727	g/100cc
Isopropyl Alcohol	0.0000	128173	g/100cc
Acetone	0.0000	247077	g/100cc
N-Propanol	0.0000	289398	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	30179	g/100cc
Ethanol	0.1106	62864	g/100cc
Acetone	0.0000	225931	g/100cc
Isopropyl Alcohol	0.0000	115575	g/100cc
N-Propanol	0.0000	258959	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 07/06/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0761	0.0760	0.0001	0.0760	0.0053	0.0733
(g/100cc)	0.0709	0.0705	0.0004	0.0707		

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%**

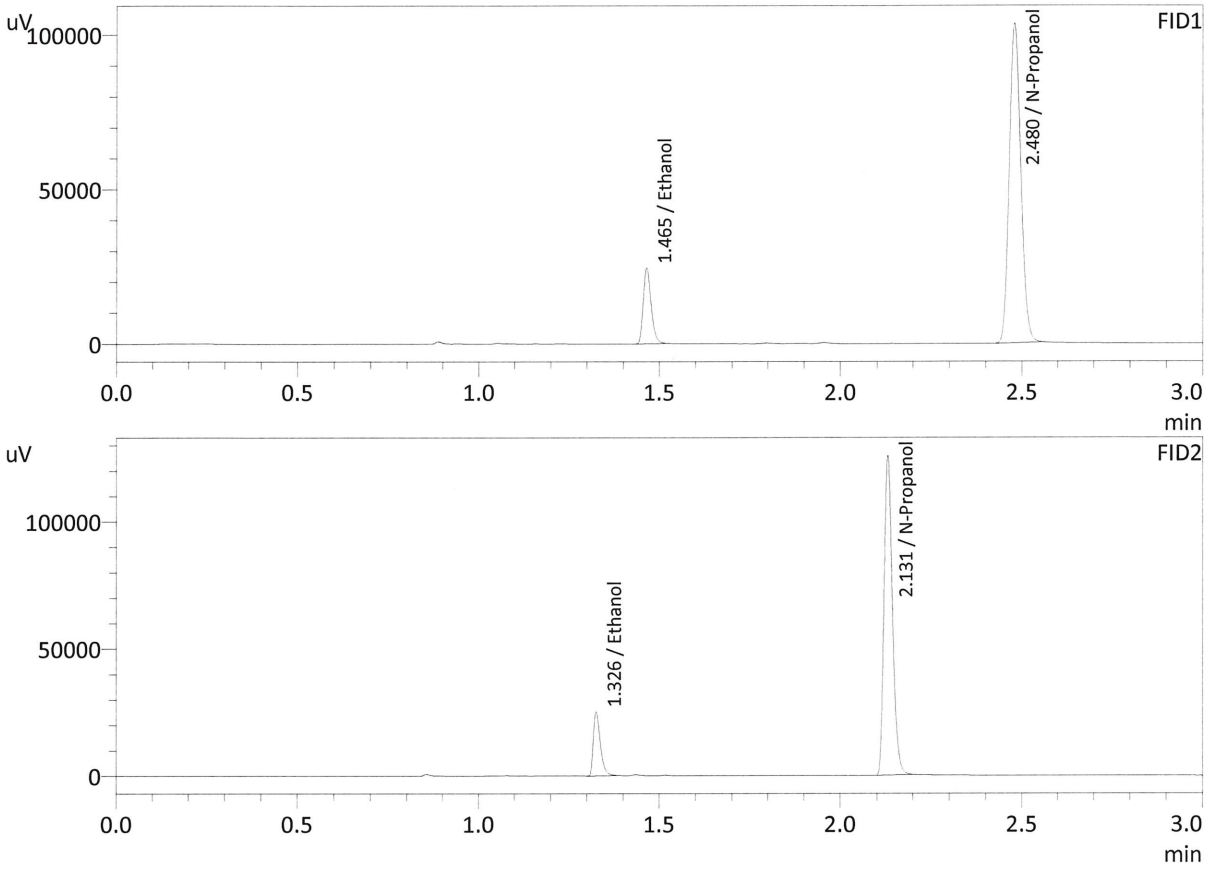
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	**0.069**	**0.077**	**0.004**

Reported Result

0.073

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 7/6/2021 1:30:28 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



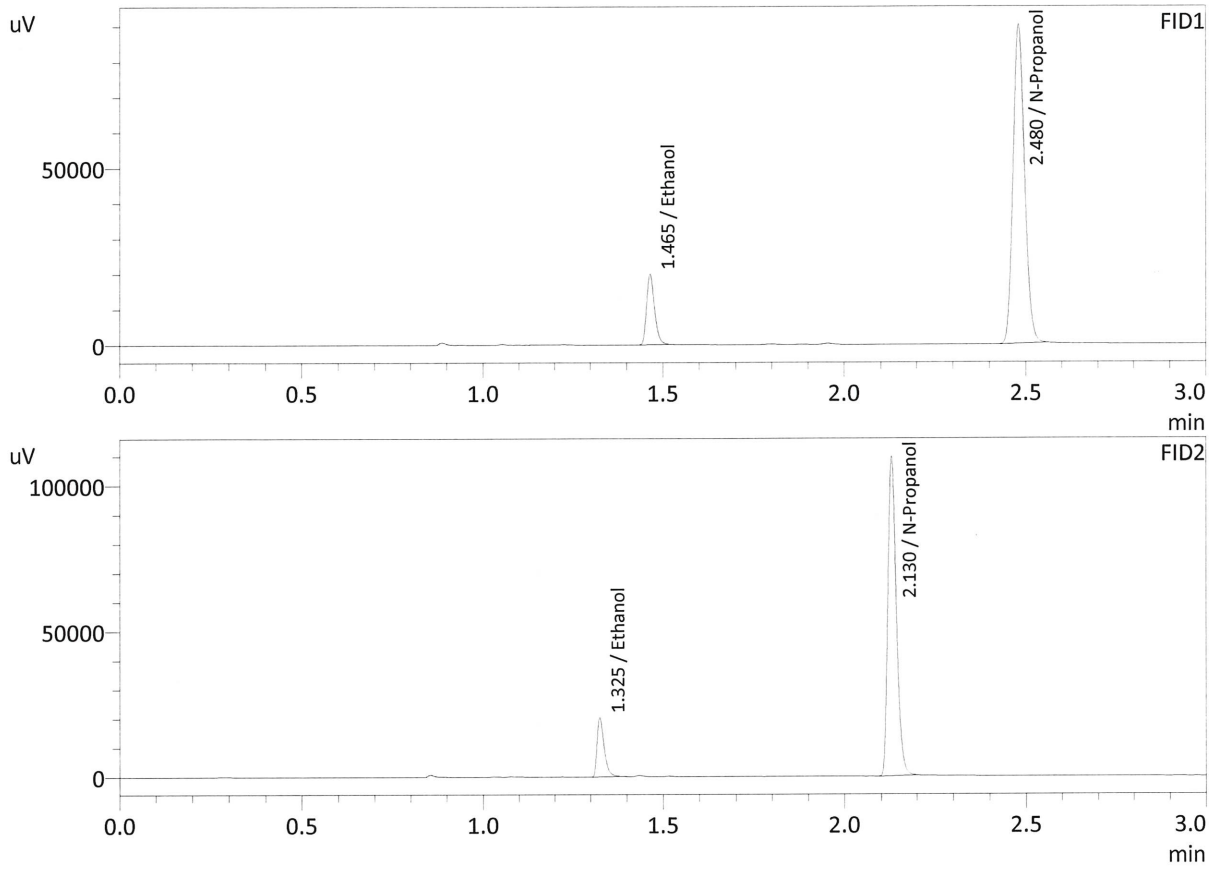
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0761	37643	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230867	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0760	33914	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206886	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/6/2021 1:39:22 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0709	30493	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201365	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0705	27309	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180407	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 07/06/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0734	0.0733	0.0001	0.0733	0.0023	0.0745
(g/100cc)	0.0756	0.0757	0.0001	0.0756		

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

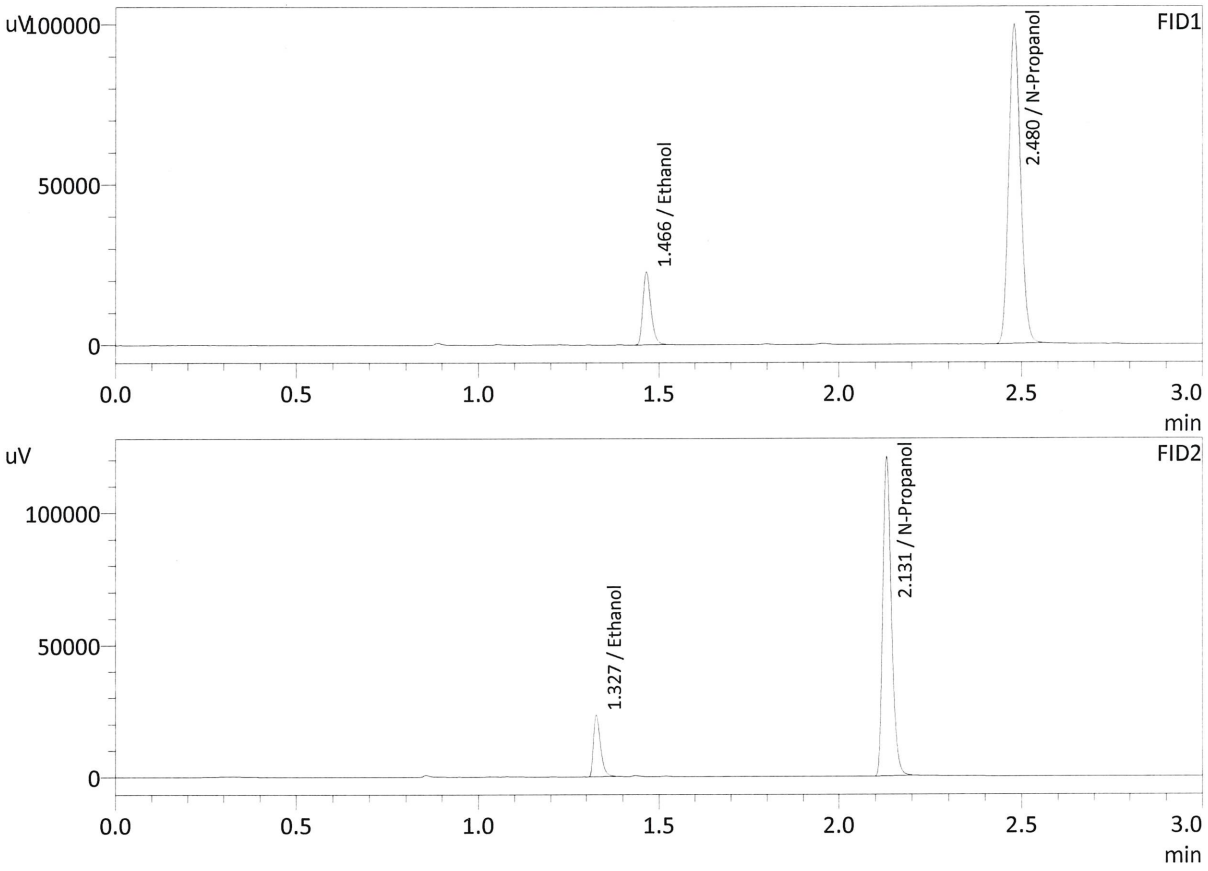
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	**0.070**	**0.078**	**0.004**

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 7/6/2021 7:26:06 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



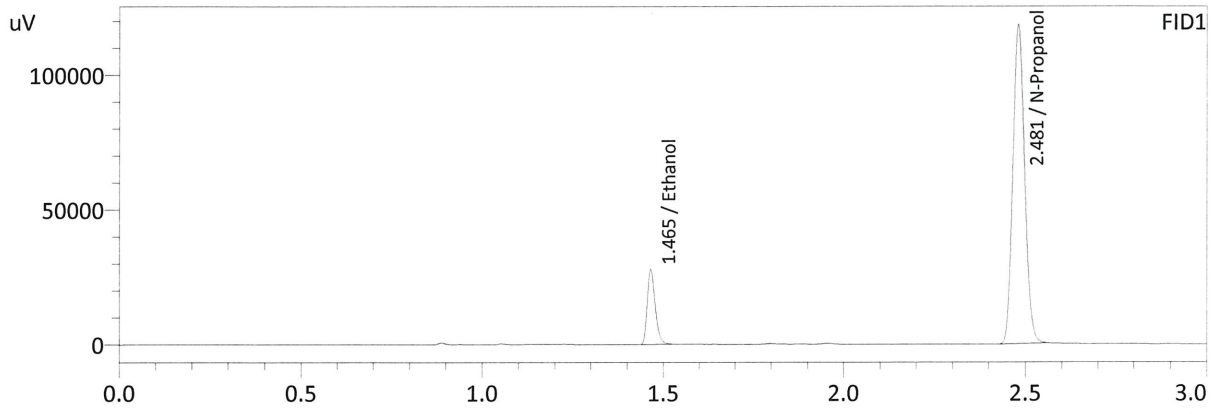
FID1

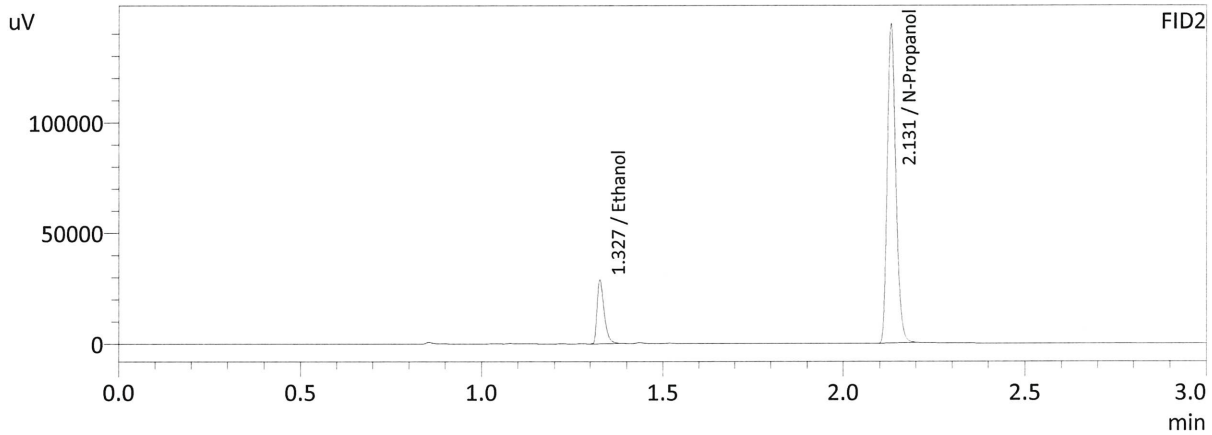
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0734	34825	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221893	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0733	31359	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198843	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/6/2021 7:35:29 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	42780	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	264116	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0757	38643	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236969	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 07/06/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1978	0.1985	0.0007	0.1981	0.0024	0.1993
(g/100cc)	0.2002	0.2008	0.0006	0.2005		

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

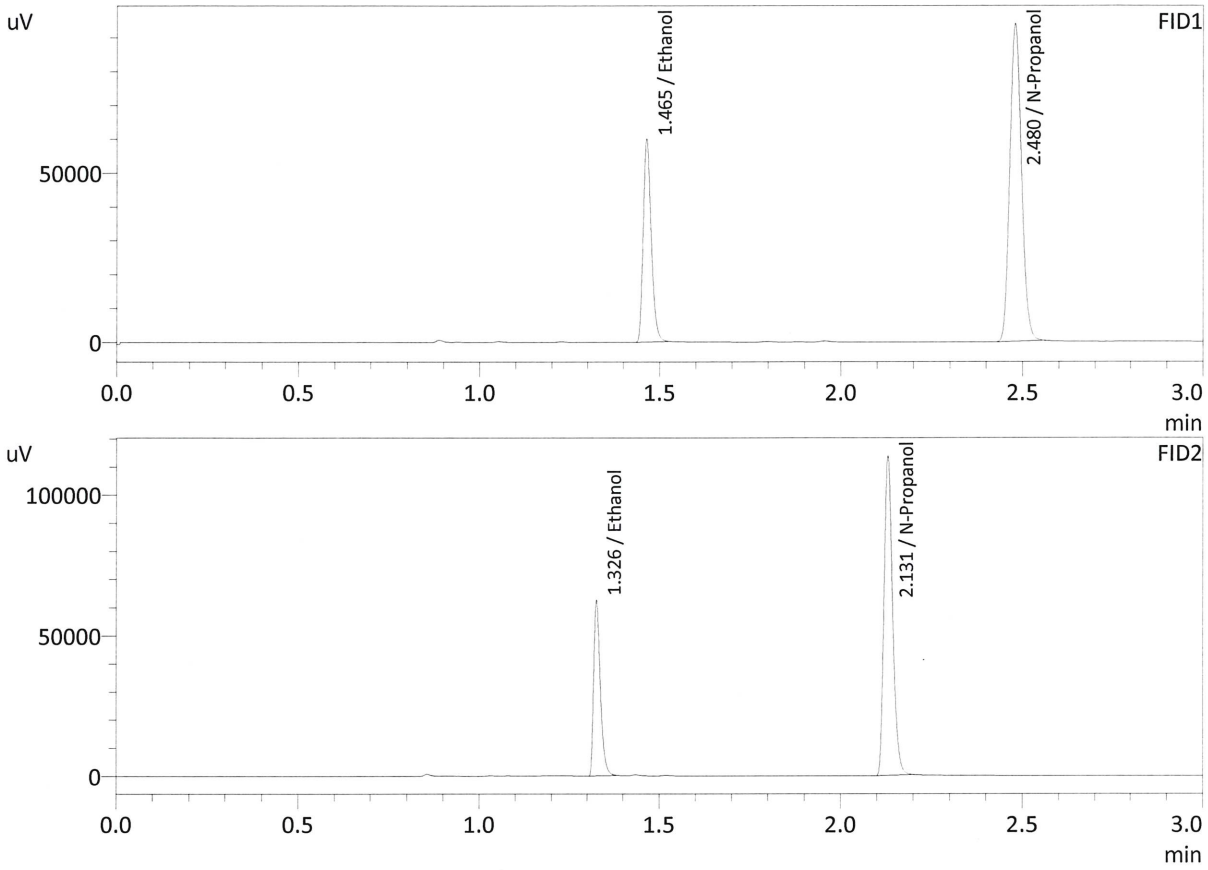
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 7/6/2021 4:27:03 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



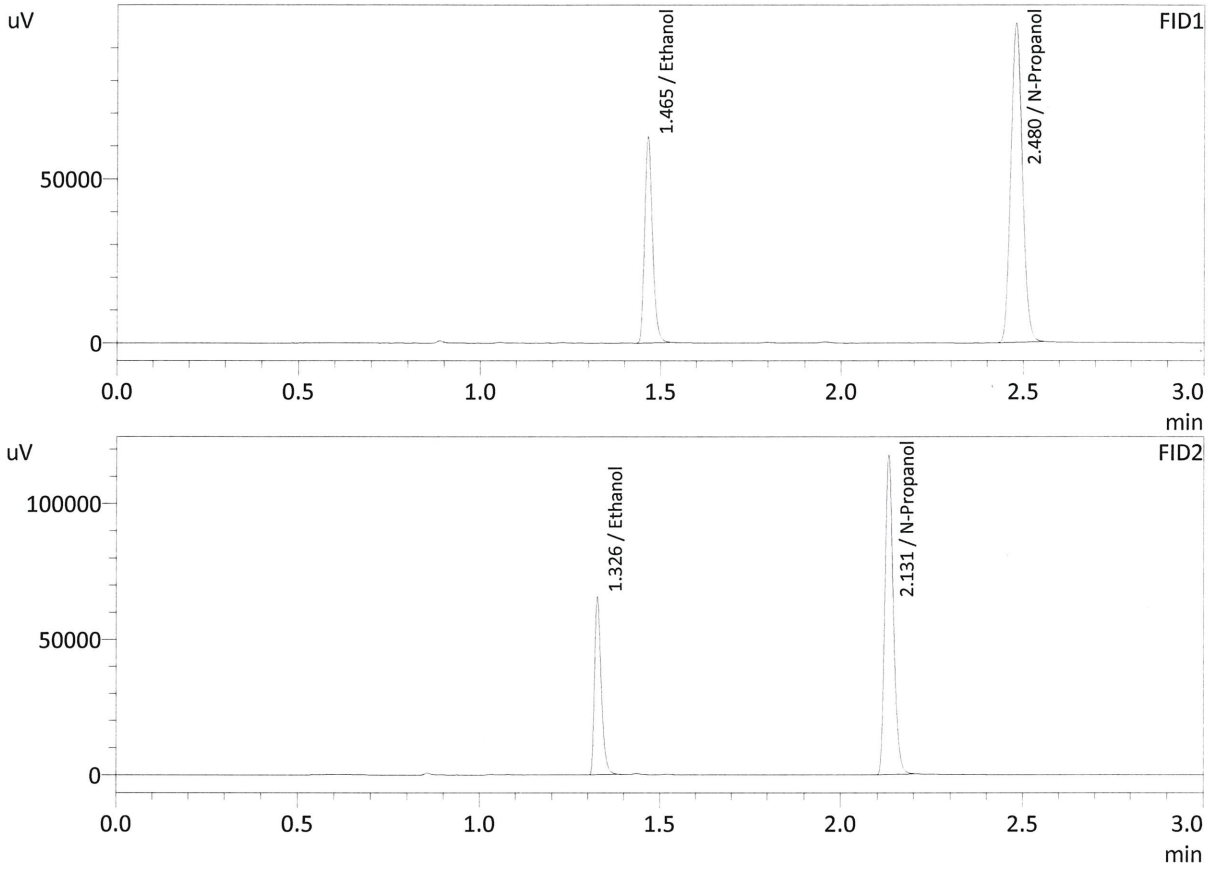
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1978	91524	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209042	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1985	82934	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187157	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/6/2021 4:34:57 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2002	95996	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216522	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2008	86990	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194086	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 07/06/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0797	0.0000	0.0797	0.0005	0.0794
(g/100cc)	0.0792	0.0792	0.0000	0.0792		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

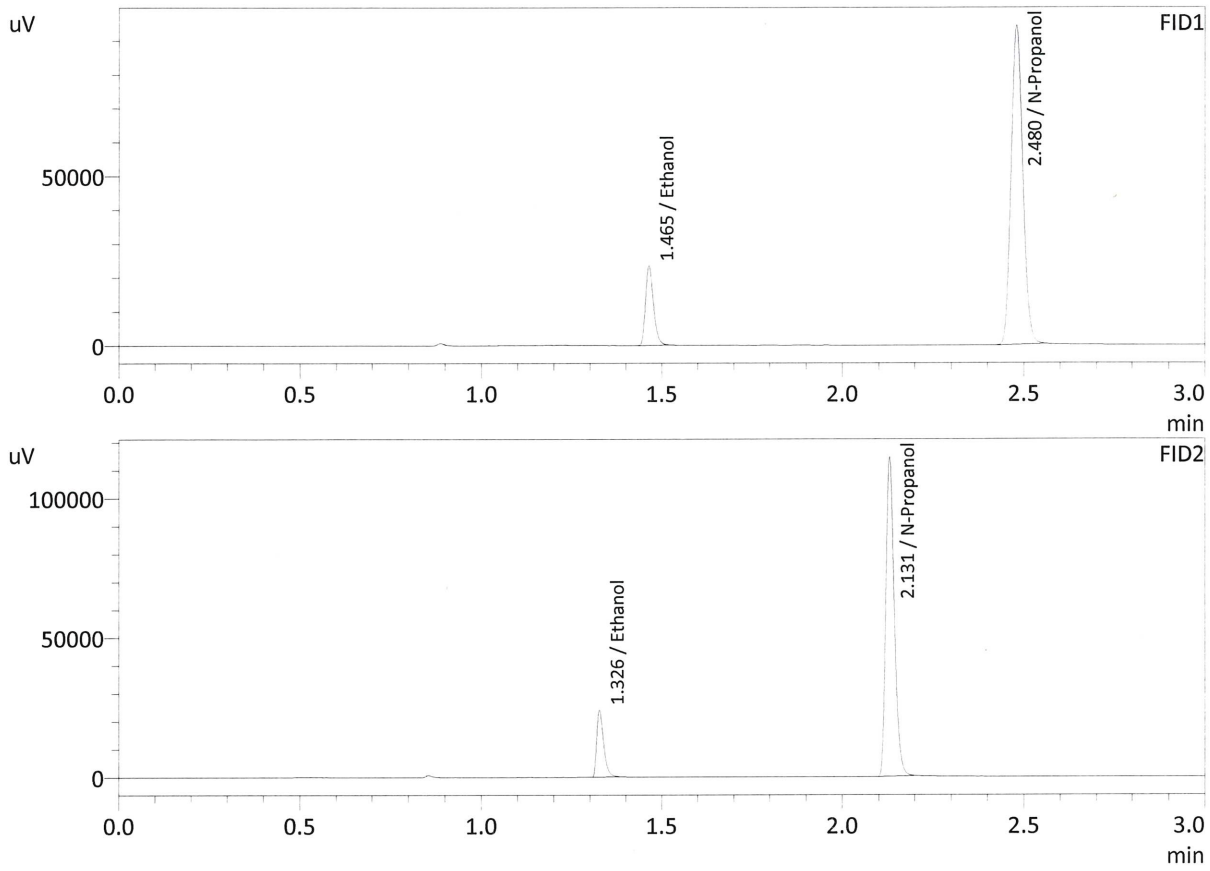
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 7/6/2021 1:48:03 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

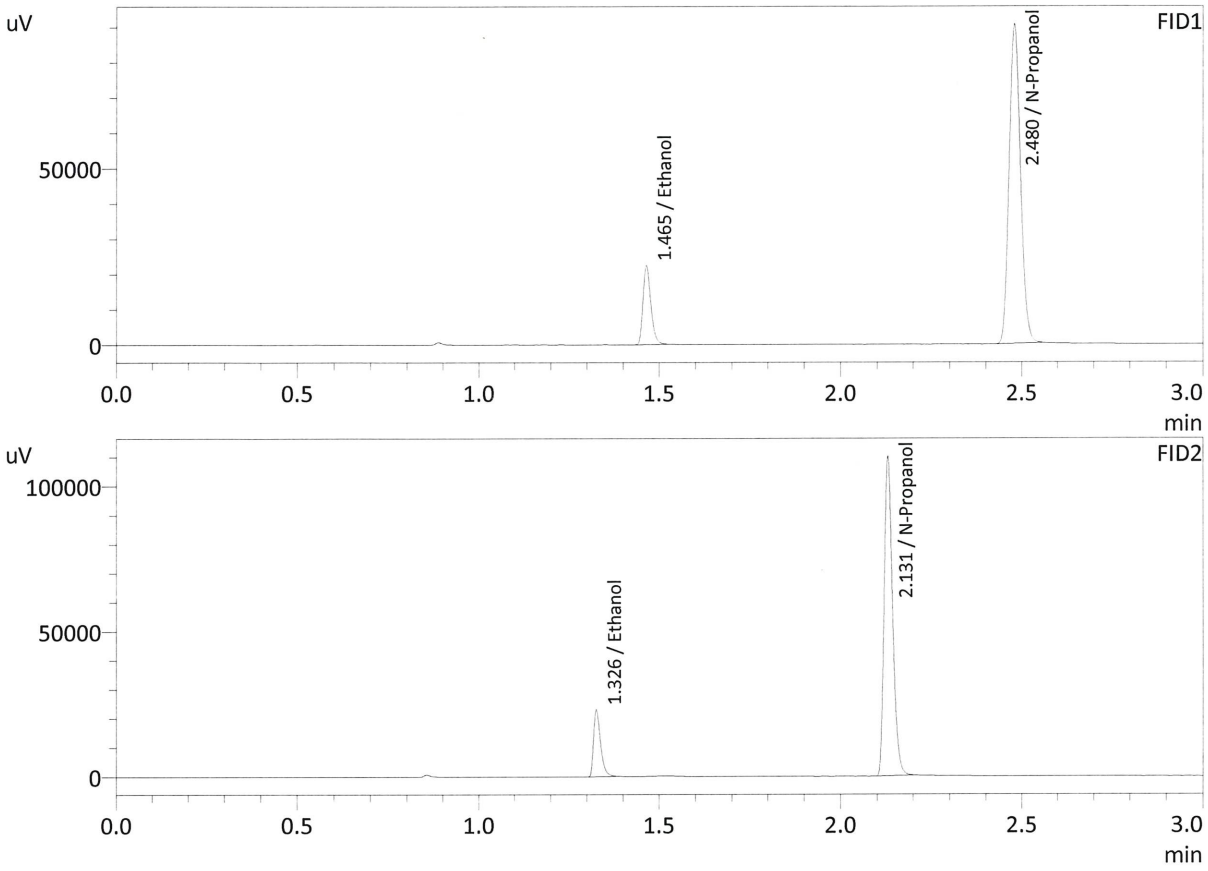
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	36020	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210475	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	32456	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188487	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/6/2021 1:55:04 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



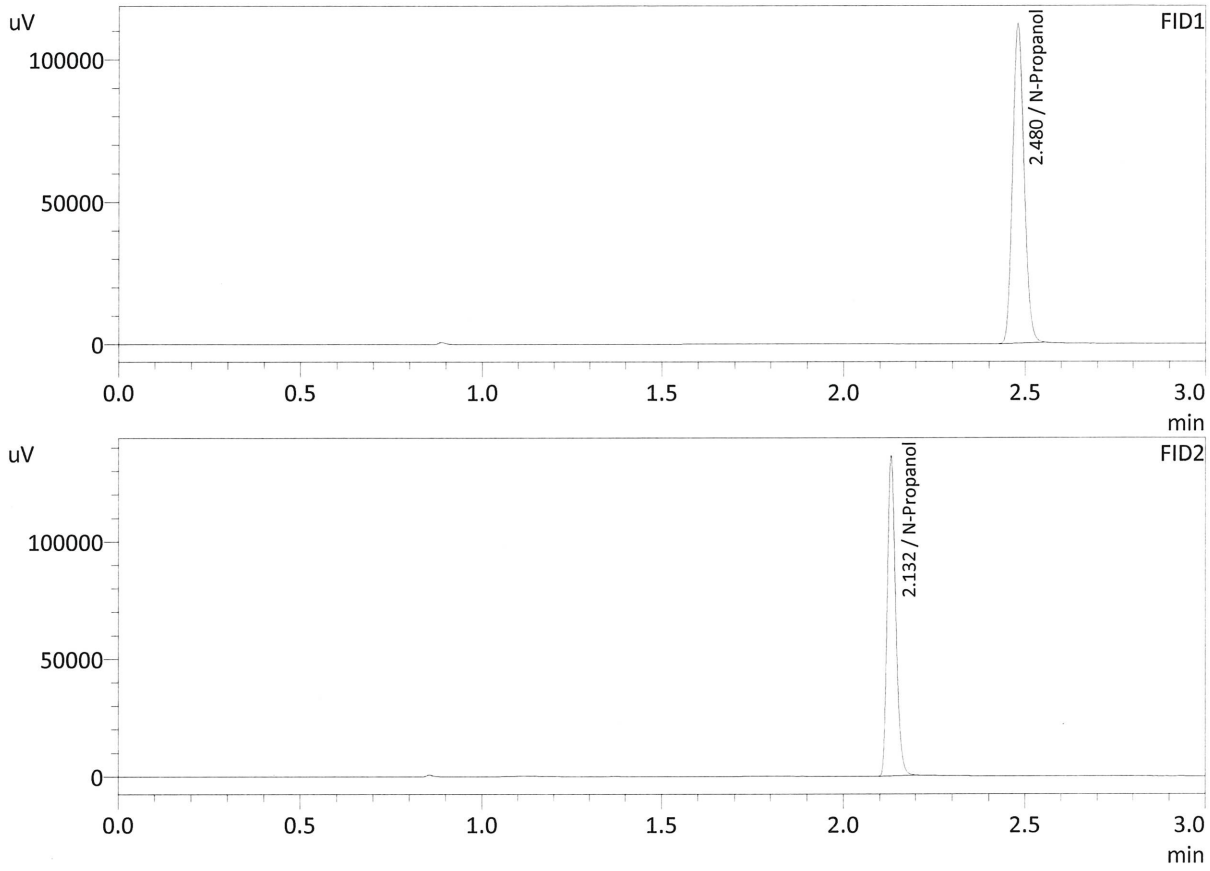
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	34404	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202202	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	30950	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180950	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 7/6/2021 7:42:54 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\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	249420	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

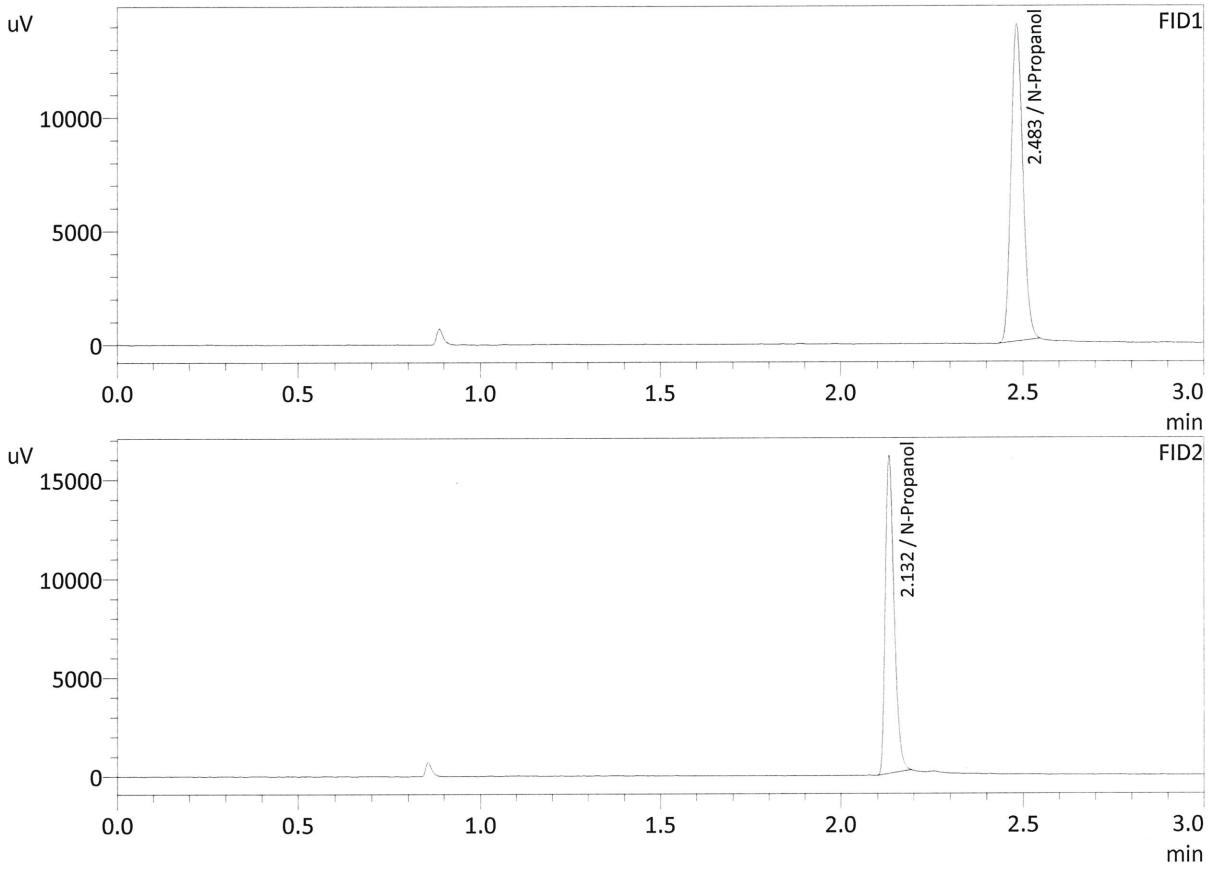
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223816	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
2	DFE 1119140M	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
3	INT STD BLK 2	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
4	TFE 111914	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL
5	INT STD BLK 3	Solutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/7/2021 10:53:52 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



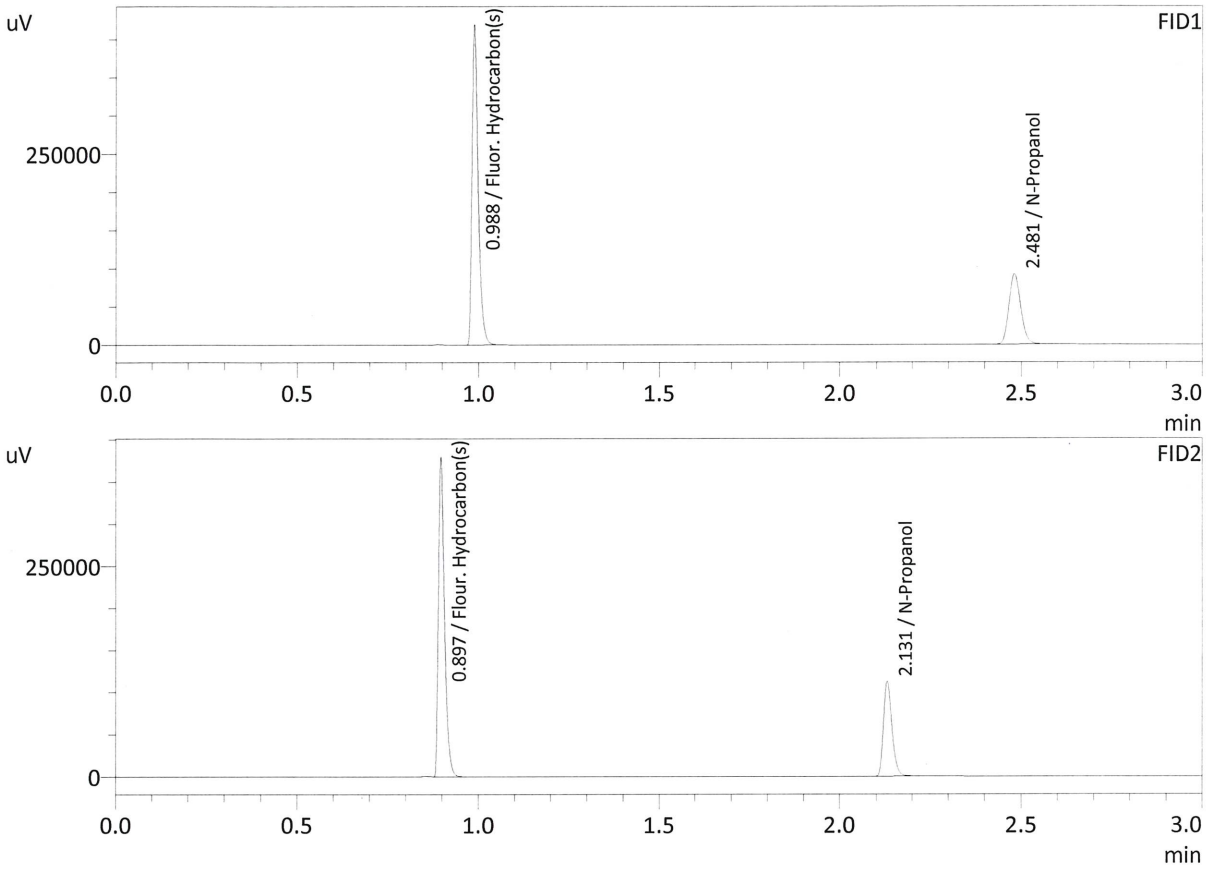
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	31544	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	26969	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 1119140M
Laboratory : Meridian
Injection Date : 7/7/2021 11:01:13 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



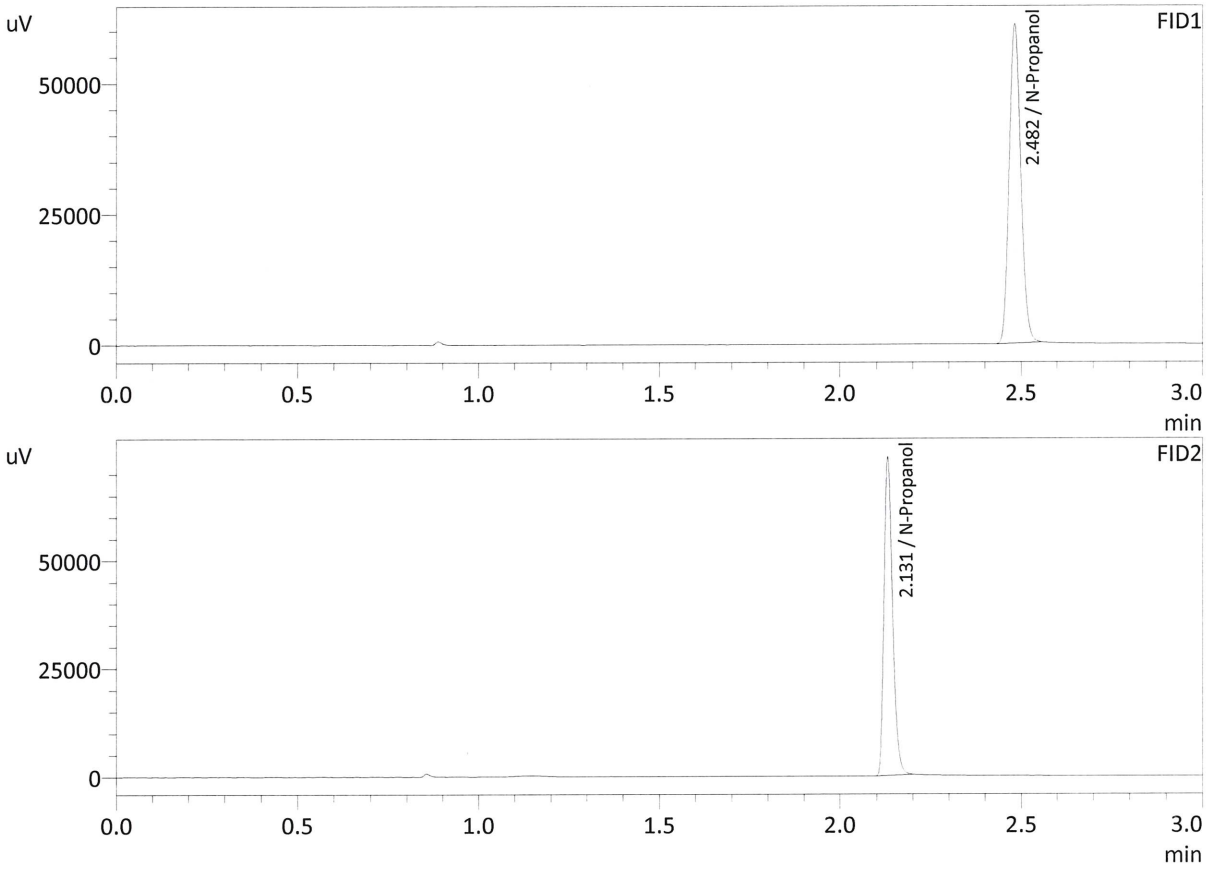
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206418	g/100cc
Fluor. Hydrocarbon(s)	0.0000	498766	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184786	g/100cc
Flour. Hydrocarbon(s)	0.0000	438900	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Meridian
Injection Date : 7/7/2021 11:08:35 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



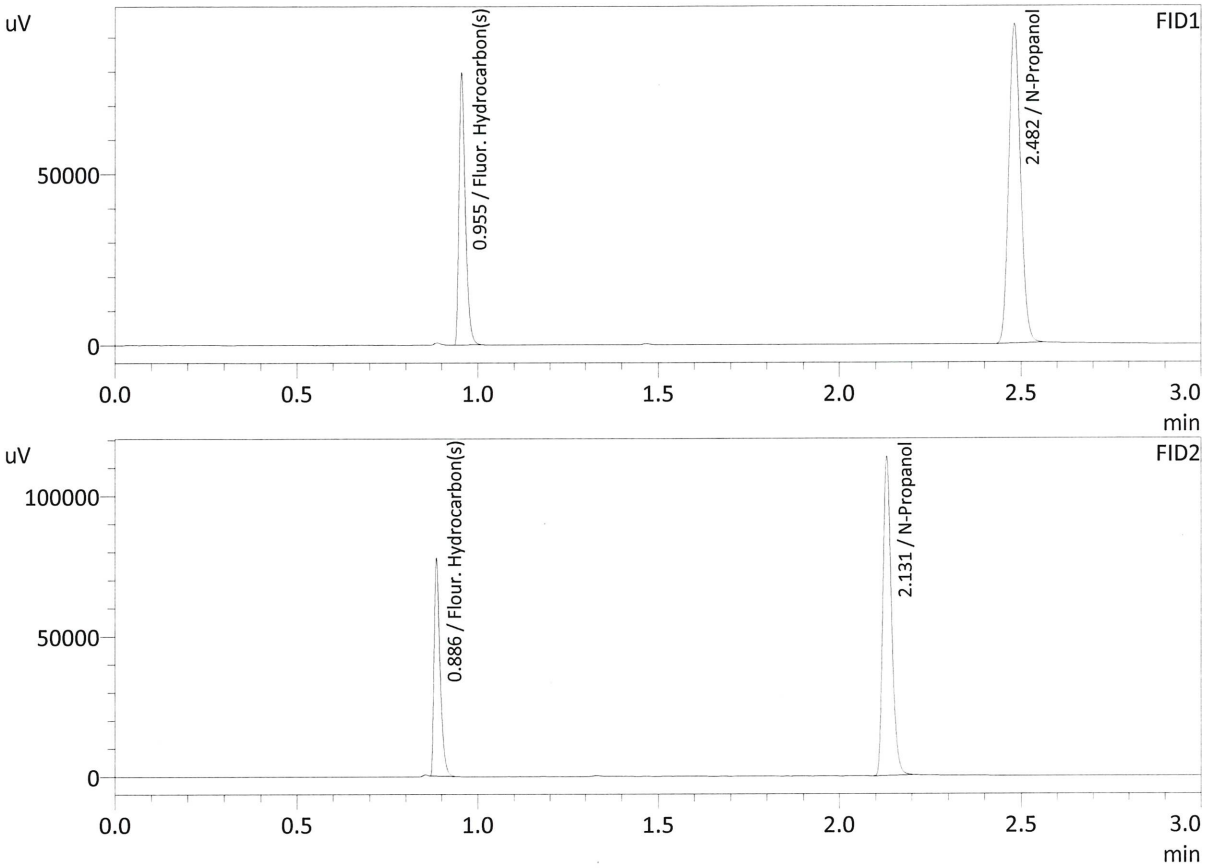
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	136738	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	121959	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 7/7/2021 11:17:21 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



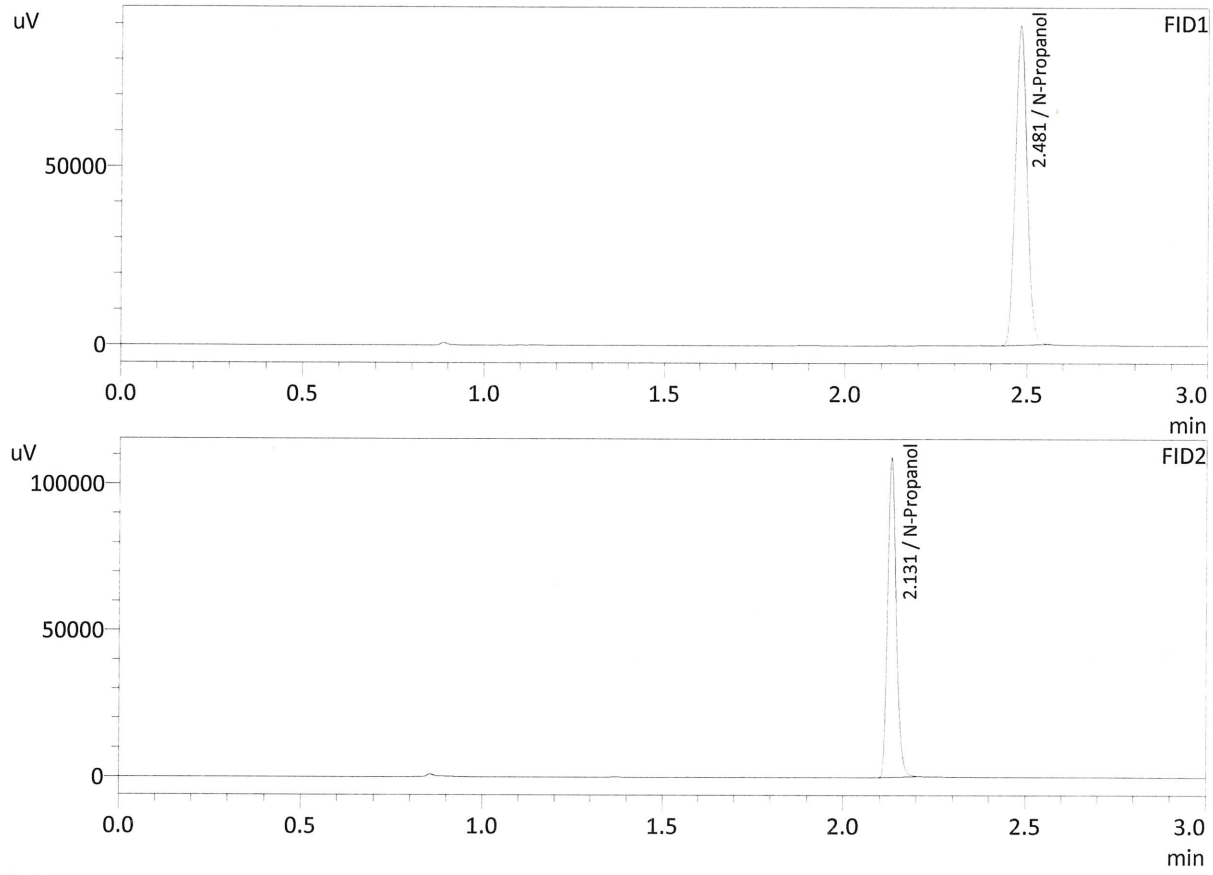
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208556	g/100cc
Fluor. Hydrocarbon(s)	0.0000	96422	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186904	g/100cc
Flour. Hydrocarbon(s)	0.0000	89266	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Meridian
Injection Date : 7/7/2021 11:25:00 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210706\TEMPLATE\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	200166	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	179610	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc