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): 07/14/2021 WORKLIST 5108**

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	0.0712 g/100cc
					0.0741 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2063 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	0.081 g/100cc

MB

REVIEWED
By Melissa (Nikka) Bradley at 1:55 pm, Jul 15, 2021

The ALCOHOL.GCM method located in
C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM was copied from
C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM

7/15/21 GG

I double checked that both ALCOHOL.GCM in the following file paths have the same modification date and time in the computer:

C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
C:\LabSolutions\Data\210706\TEMPLATE\CALIBRATION\ALCOHOL.GCM

NB 7/15/21

7/15/2021

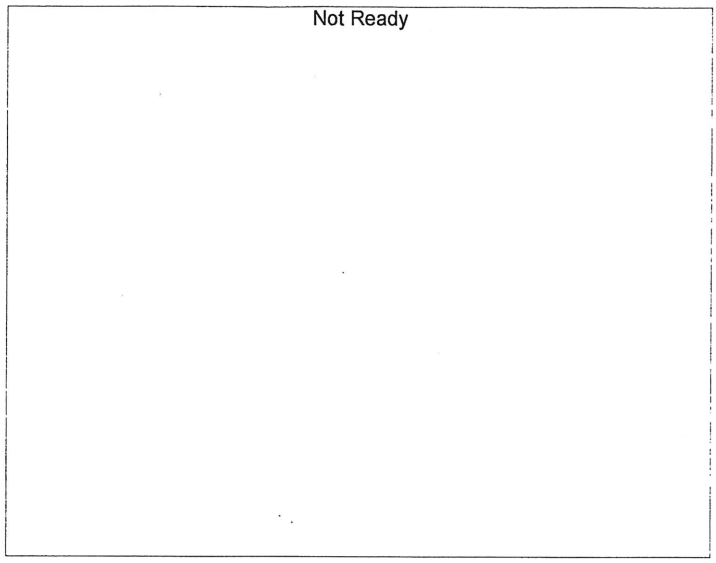
Worklist: 5108

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-2949	1	BCK	Alcohol Analysis
M2021-2950	1	BCK	Alcohol Analysis
M2021-2955	1	BCK	Alcohol Analysis
M2021-2956	1	BCK	Alcohol Analysis
M2021-2956	2	BCK	Alcohol Analysis
M2021-2956	3	BCK	Alcohol Analysis
M2021-2991	1	BCK	Alcohol Analysis
M2021-2992	1	BCK	Alcohol Analysis
M2021-2993	1	BCK	Alcohol Analysis
M2021-2994	1	BCK	Alcohol Analysis
M2021-2995	1	BCK	Alcohol Analysis
M2021-3002	1	BCK	Alcohol Analysis
M2021-3027	1	BCK	Alcohol Analysis
M2021-3028	1	BCK	Alcohol Analysis
M2021-3032	1	BCK	Alcohol Analysis
M2021-3036	1	BCK	Alcohol Analysis
M2021-3054	1	BCK	Alcohol Analysis
M2021-3055	1	BCK	Alcohol Analysis
M2021-3070	1	BCK	Alcohol Analysis

Calibration Table

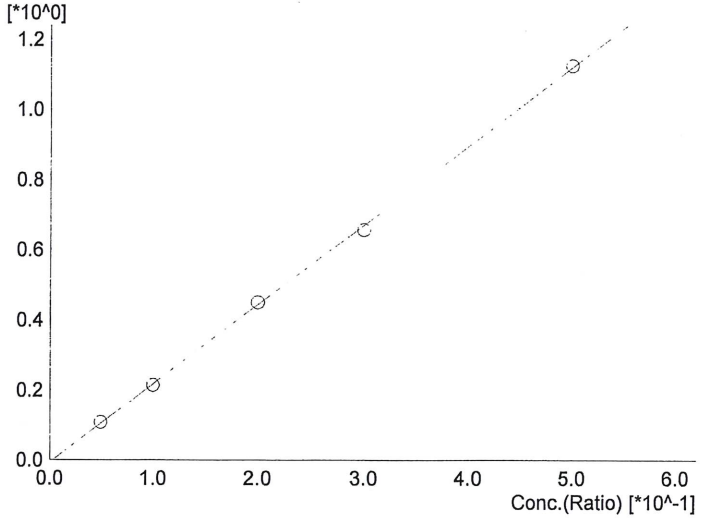
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<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

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

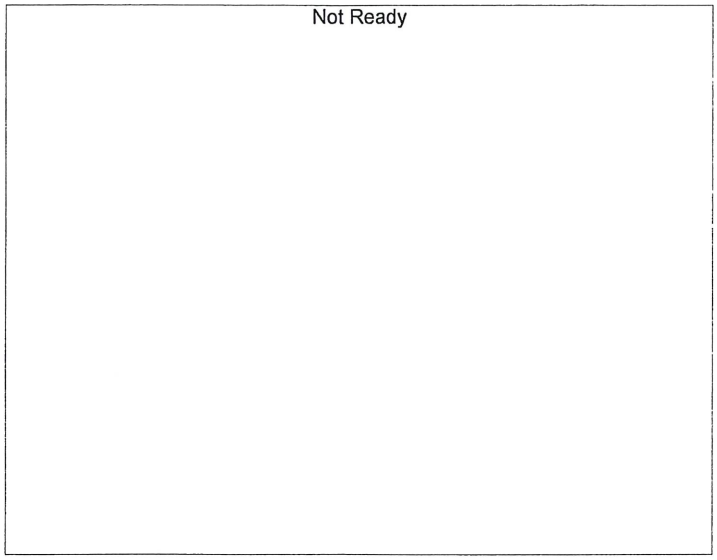
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

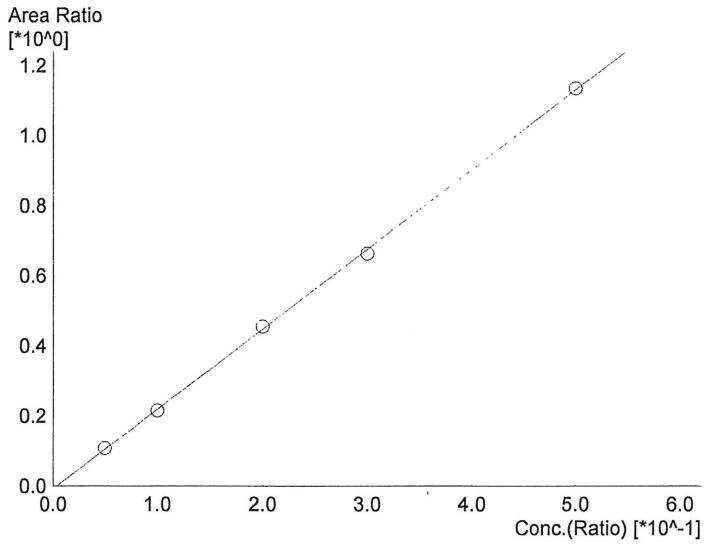
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



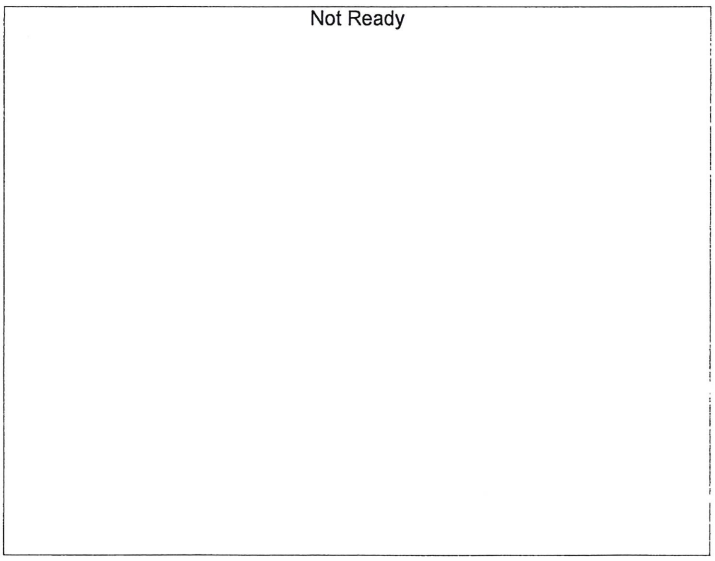
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



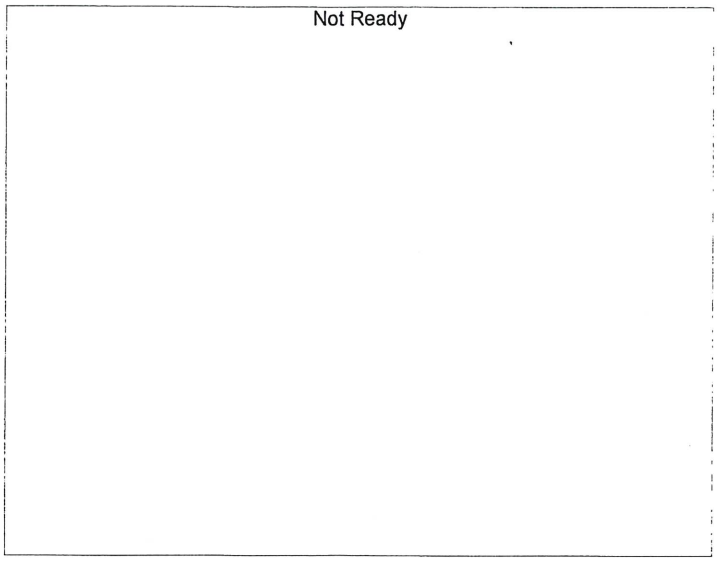
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.27939*x-0.00951992
R^2 value= 0.9996537
FitType: Linear
ZeroThrough: Not Through

#	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



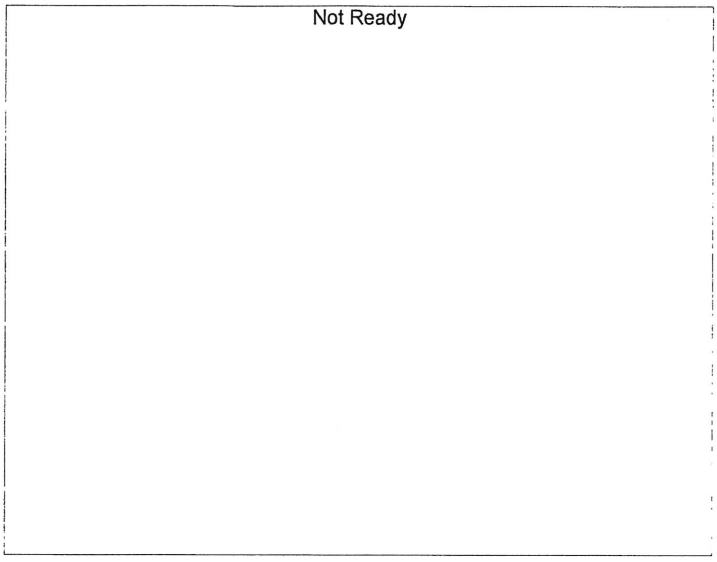
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

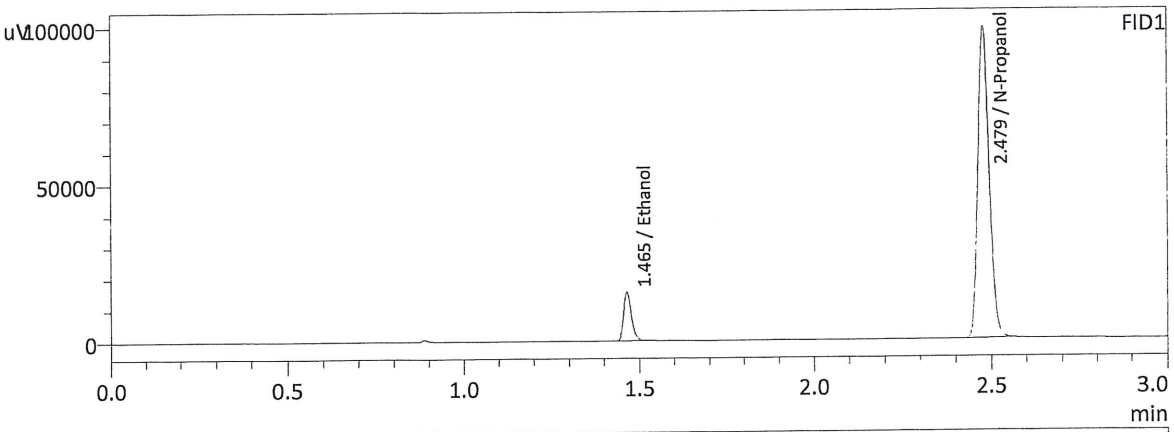
Meridian Blood Alcohol Analysis Batch Table

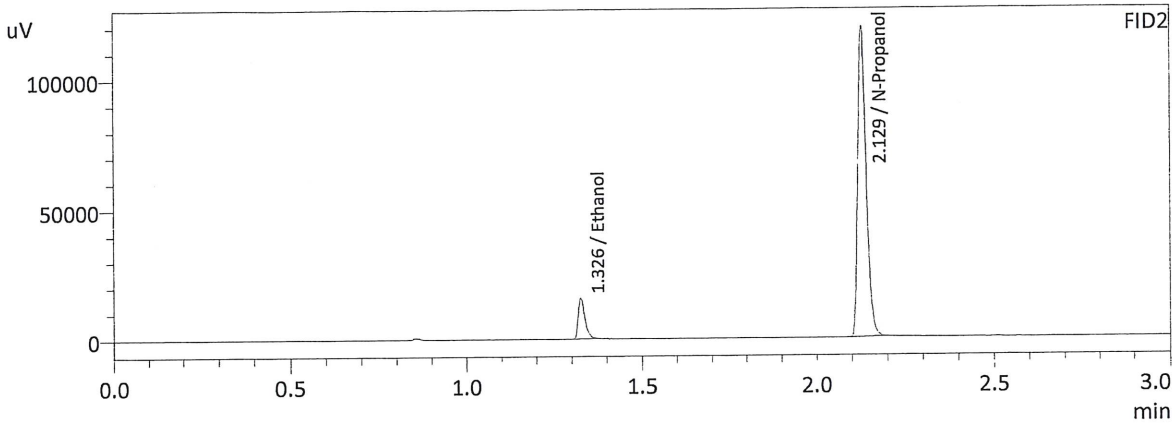
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

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

W

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





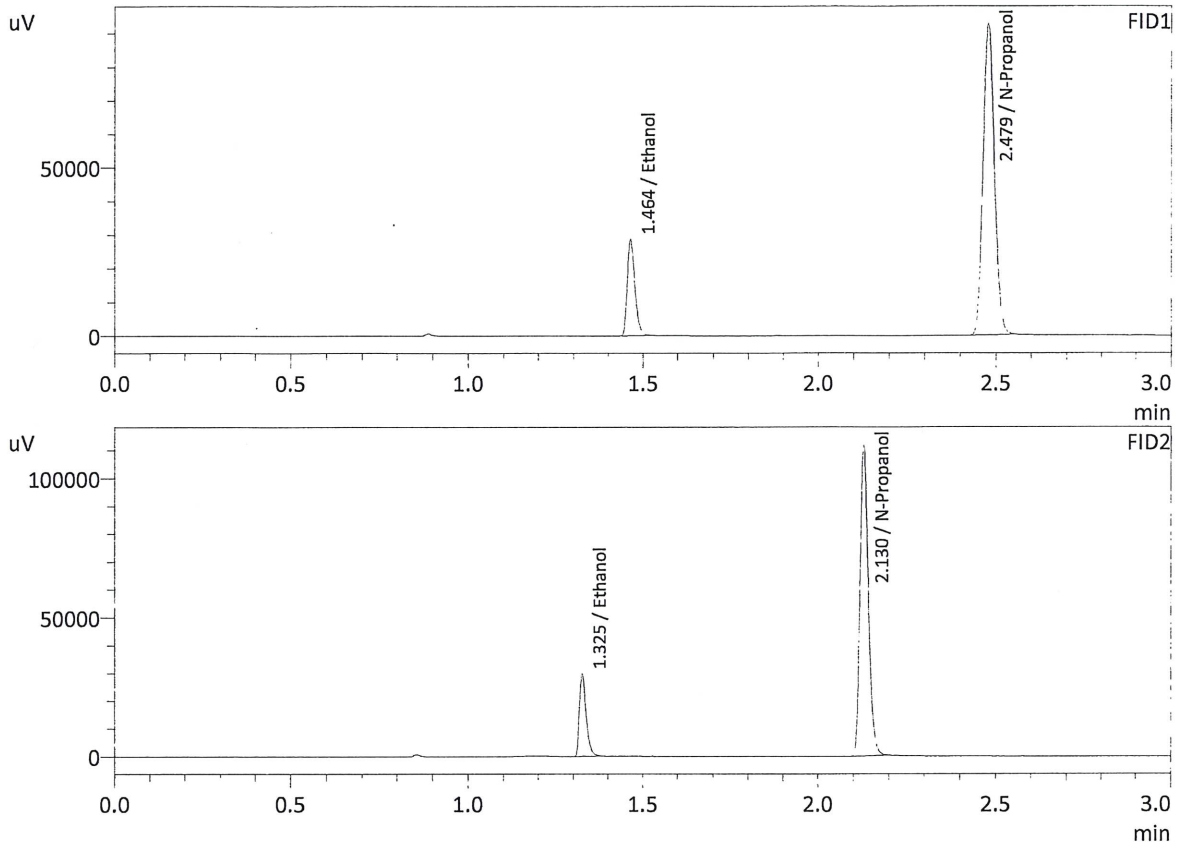
FID1

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



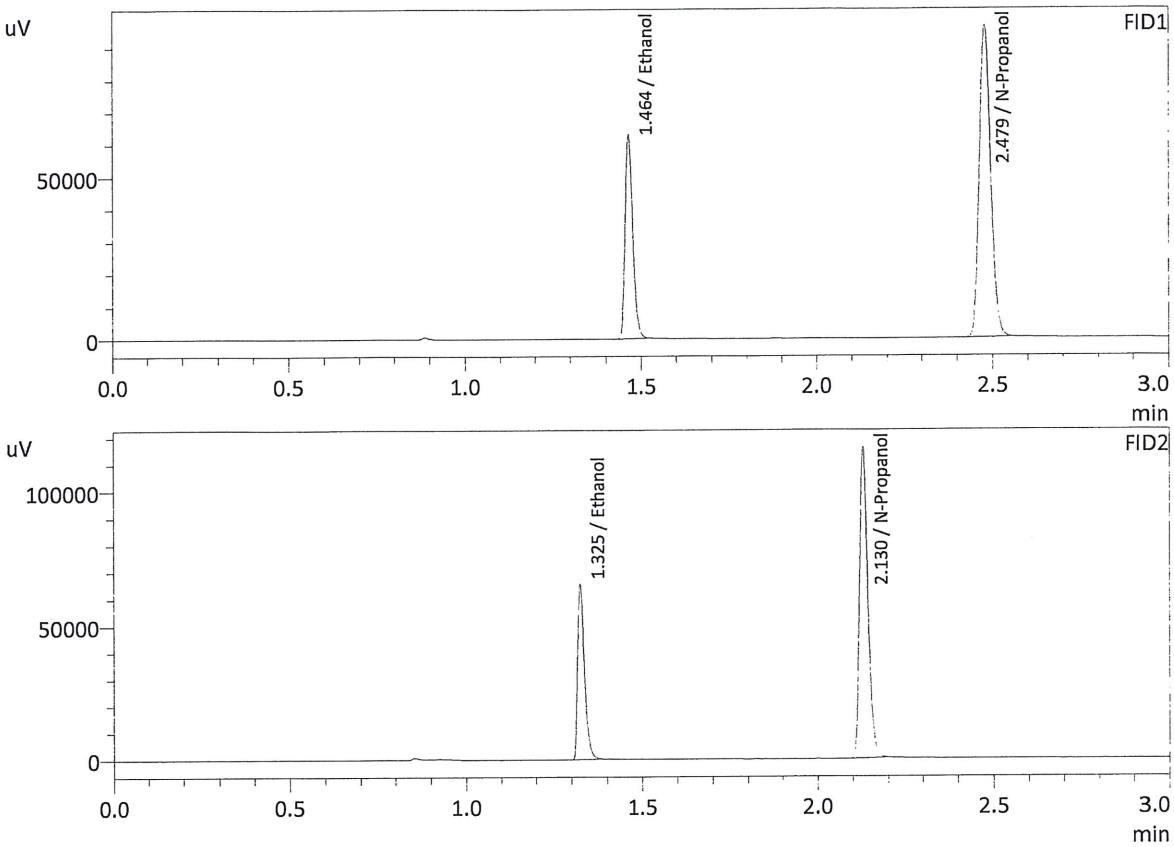
FID1

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

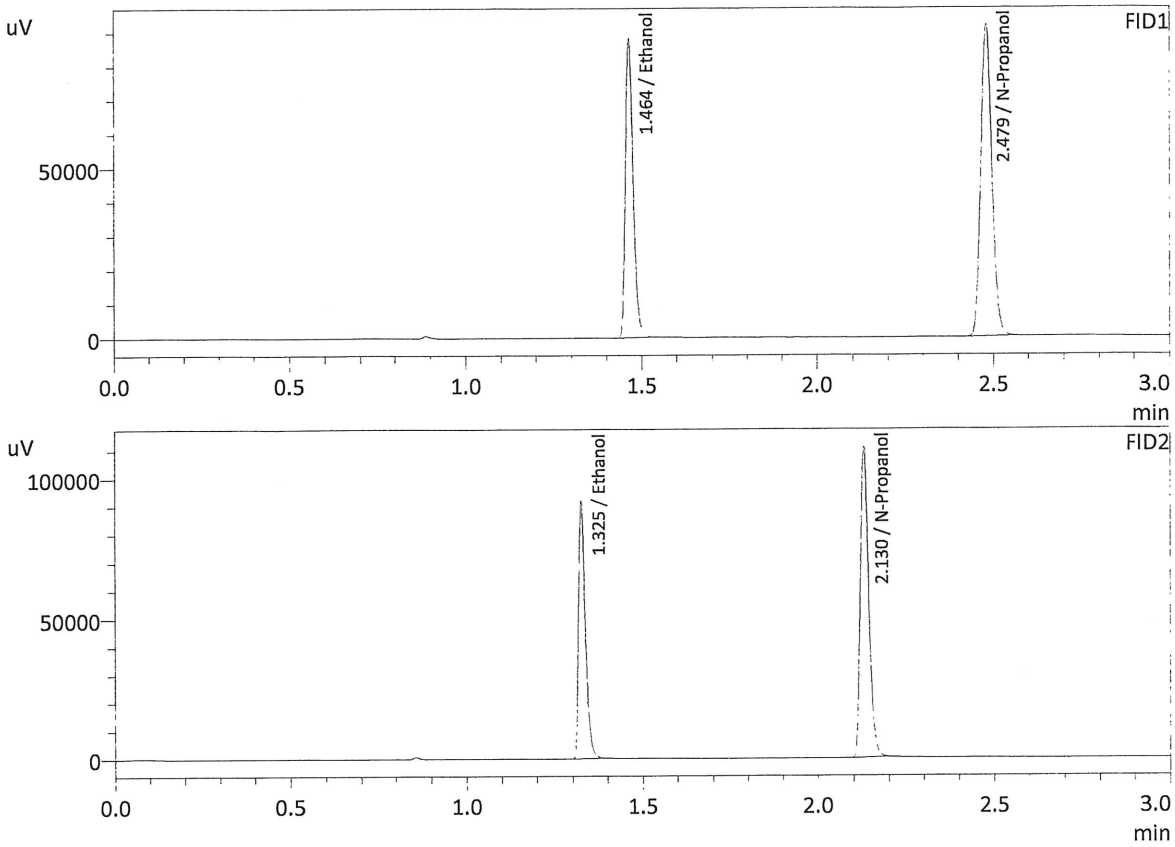
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2029	96088	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213879	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

W

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

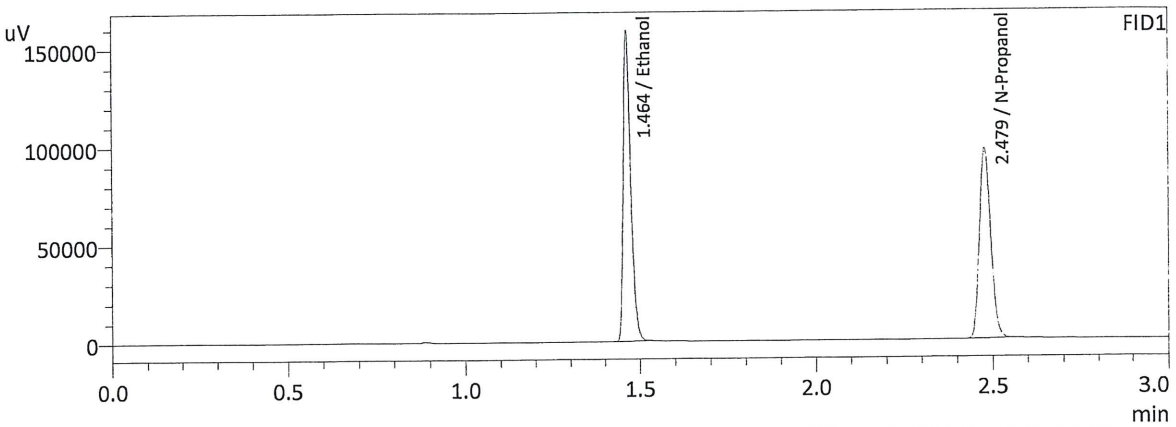
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2944	134135	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204511	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

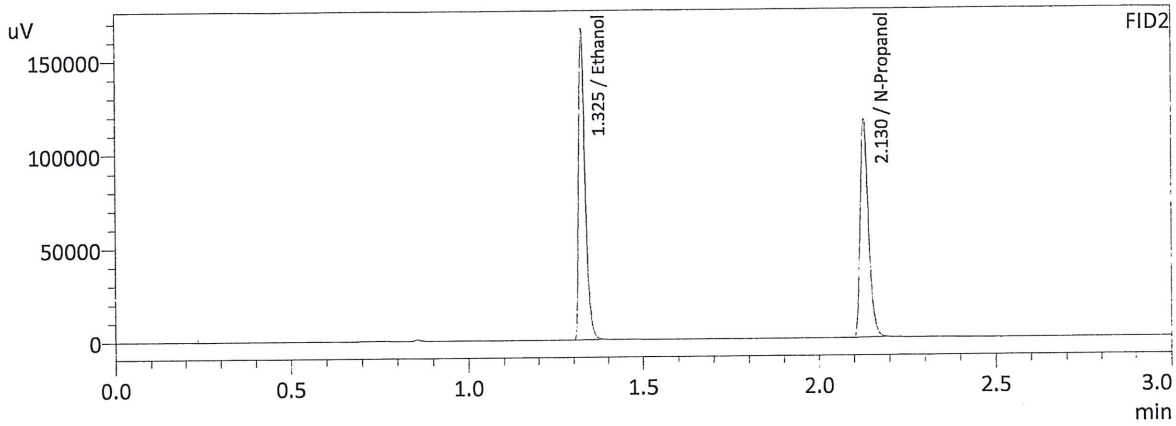
FID2

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

W

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





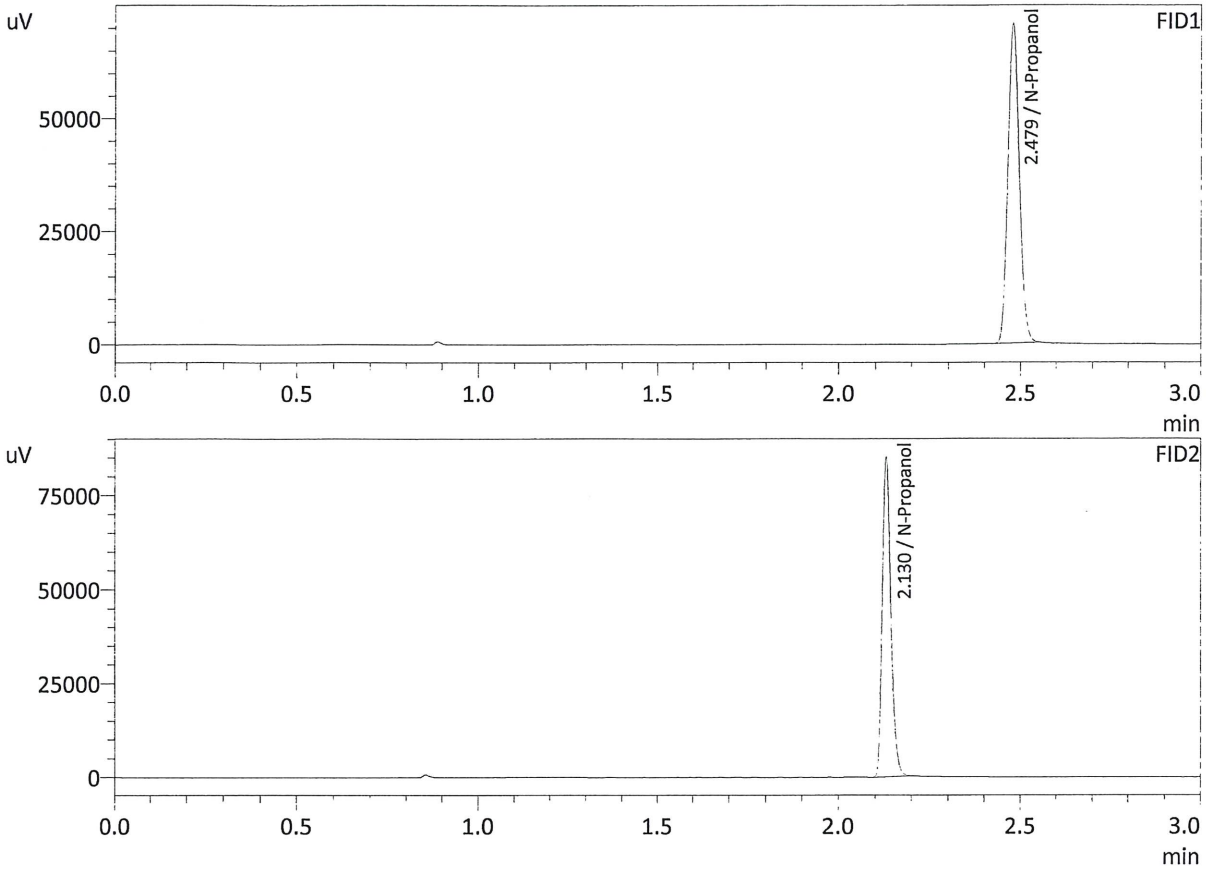
FID1

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

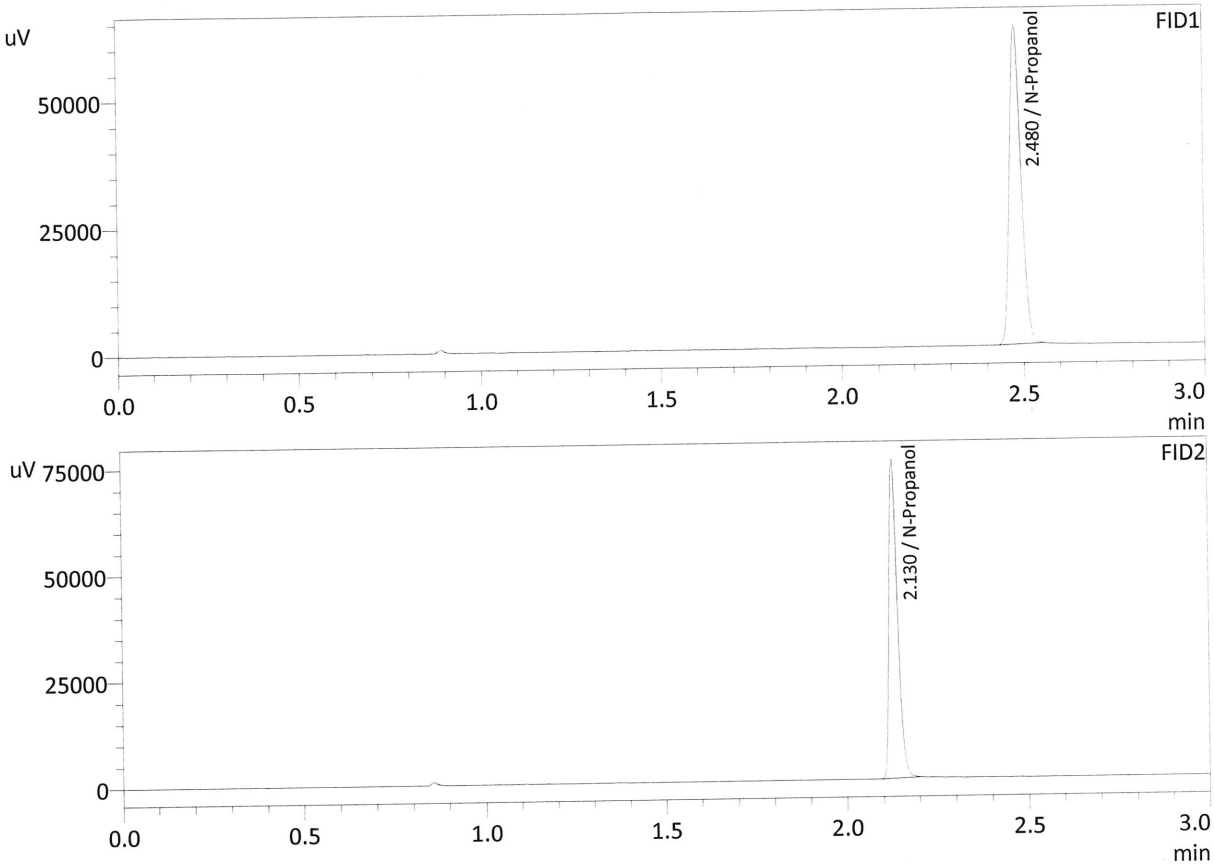
W

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\210714\TEMPLATE\CALIBRATION\ALCOHOI
2	ED VOLATILES FN 0710	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
3	QC-1-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
4	QC-1-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
5	0.08 QA-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
6	0.08 QA-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
7	M2021-2949-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
8	M2021-2949-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
9	M2021-2950-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
10	M2021-2950-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
11	M2021-2955-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
12	M2021-2955-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
13	M2021-2956-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
14	M2021-2956-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
15	M2021-2956-2-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
16	M2021-2956-2-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
17	M2021-2956-3-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
18	M2021-2956-3-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
19	M2021-2991-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
20	M2021-2991-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
21	M2021-2992-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
22	M2021-2992-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
23	M2021-2993-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
24	M2021-2993-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
25	QC-2-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
26	QC-2-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
27	M2021-2994-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
28	M2021-2994-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
29	M2021-2995-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
30	M2021-2995-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
31	M2021-3002-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
32	M2021-3002-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
33	M2021-3027-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
34	M2021-3027-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
35	M2021-3028-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
36	M2021-3028-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
37	M2021-3032-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
38	M2021-3032-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
39	M2021-3036-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
40	M2021-3036-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
41	M2021-3054-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
42	M2021-3054-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
43	M2021-3055-1-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
44	M2021-3055-1--B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
45	M2021-3070-1--A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
46	M2021-3070-1-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
47	QC1-2-A	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
48	QC1-2-B	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
49	INT STD BLK 2	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
50	DFE 111914OM	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
51	INT STD BLK 3	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
52	TFE 111914	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI
53	INT STD BLNK 4	Solutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOI

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/14/2021 2:10:53 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



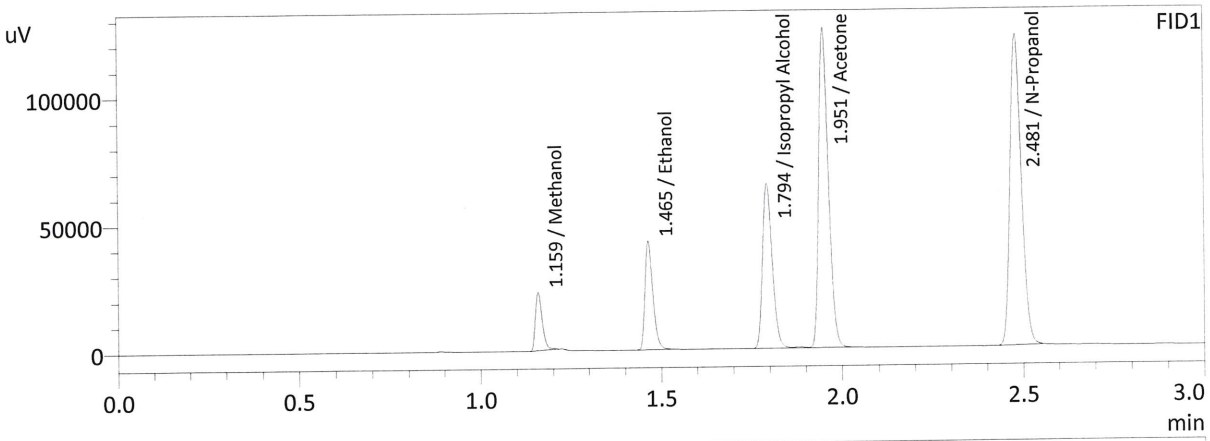
FID1

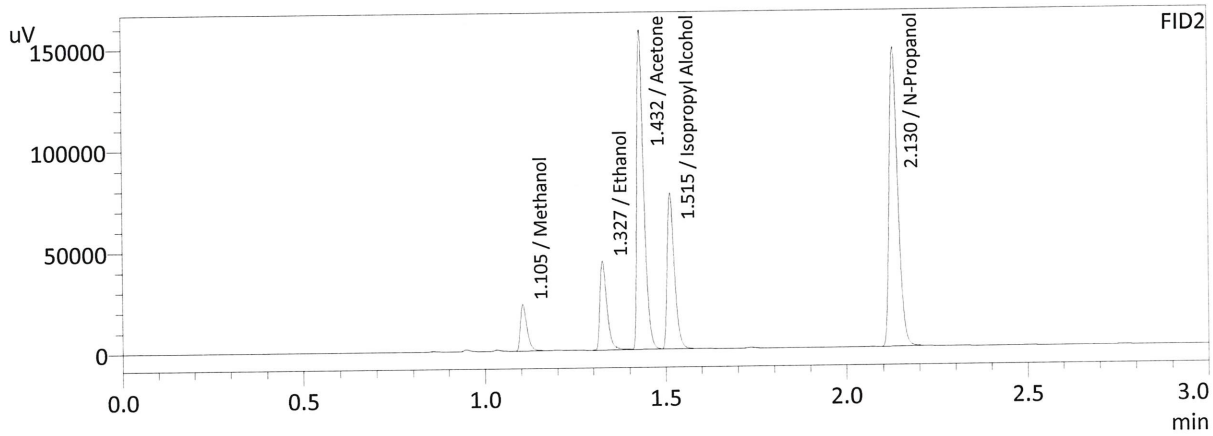
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	139508	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	124060	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 7/14/2021 2:18:12 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	30444	g/100cc
Ethanol	0.1098	64707	g/100cc
Isopropyl Alcohol	0.0000	119698	g/100cc
Acetone	0.0000	232127	g/100cc
N-Propanol	0.0000	270650	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	28646	g/100cc
Ethanol	0.1115	59154	g/100cc
Acetone	0.0000	211991	g/100cc
Isopropyl Alcohol	0.0000	107820	g/100cc
N-Propanol	0.0000	241679	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Analysis Date(s): 07/14/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0720	0.0720	0.0000	0.0720	0.0016	0.0712
(g/100cc)	0.0705	0.0704	0.0001	0.0704		

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%**

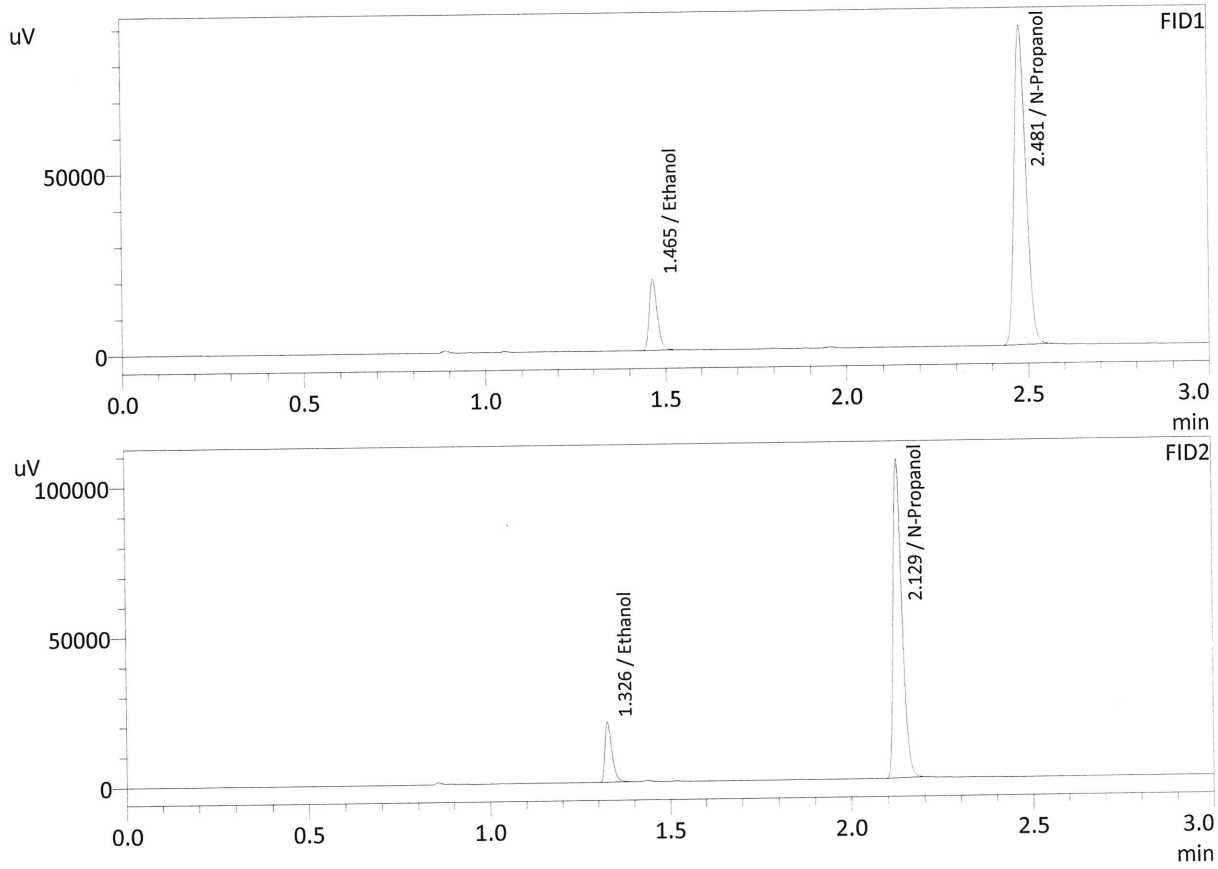
Overall Mean (g/100cc)	Low	High	5% of Mean
0.071	**0.067**	**0.075**	**0.004**

Reported Result

0.071

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 7/14/2021 2:25:33 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



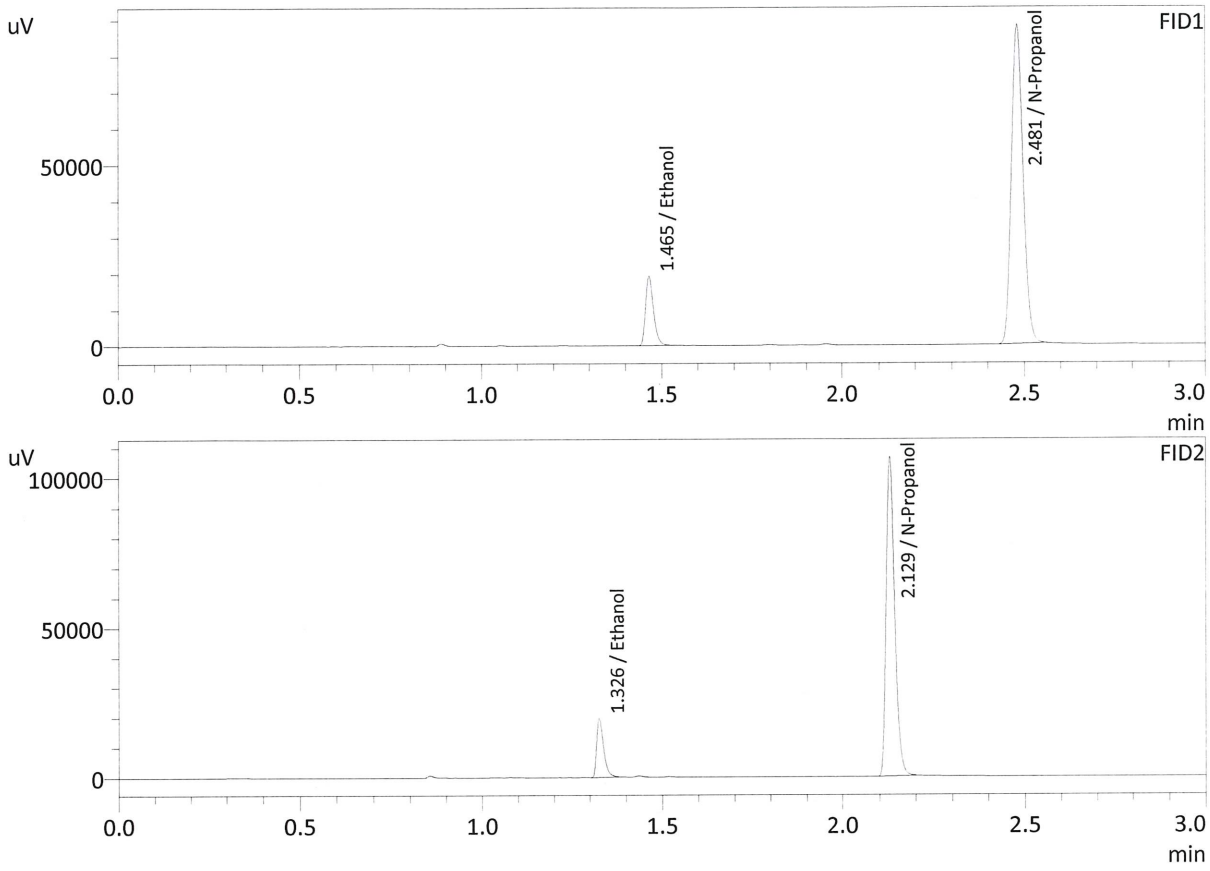
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0720	30210	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196253	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0720	27096	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175072	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/14/2021 2:34:26 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0705	29508	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196228	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0704	26476	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175240	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 07/14/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0735	0.0738	0.0003	0.0736	0.0009	0.0741
(g/100cc)	0.0744	0.0747	0.0003	0.0745		

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

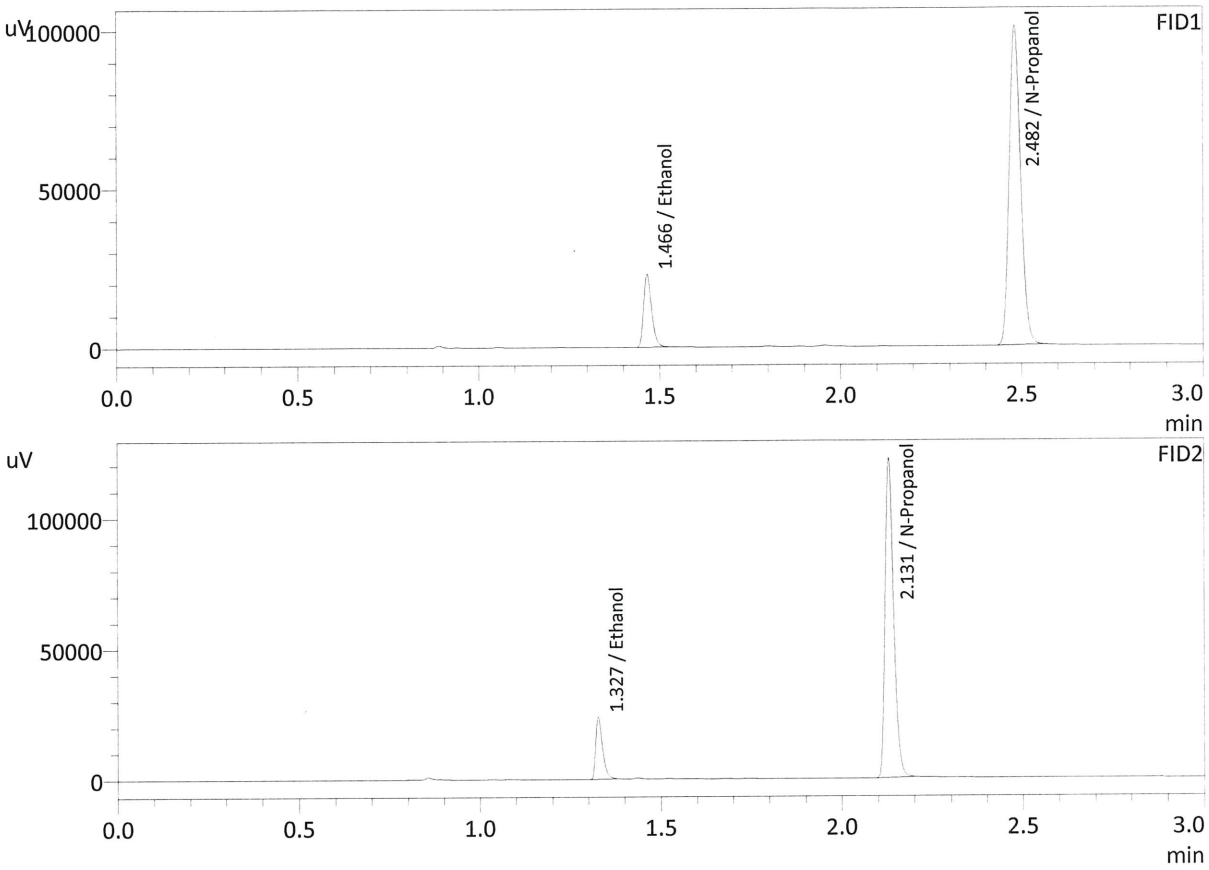
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 7/14/2021 8:20:26 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



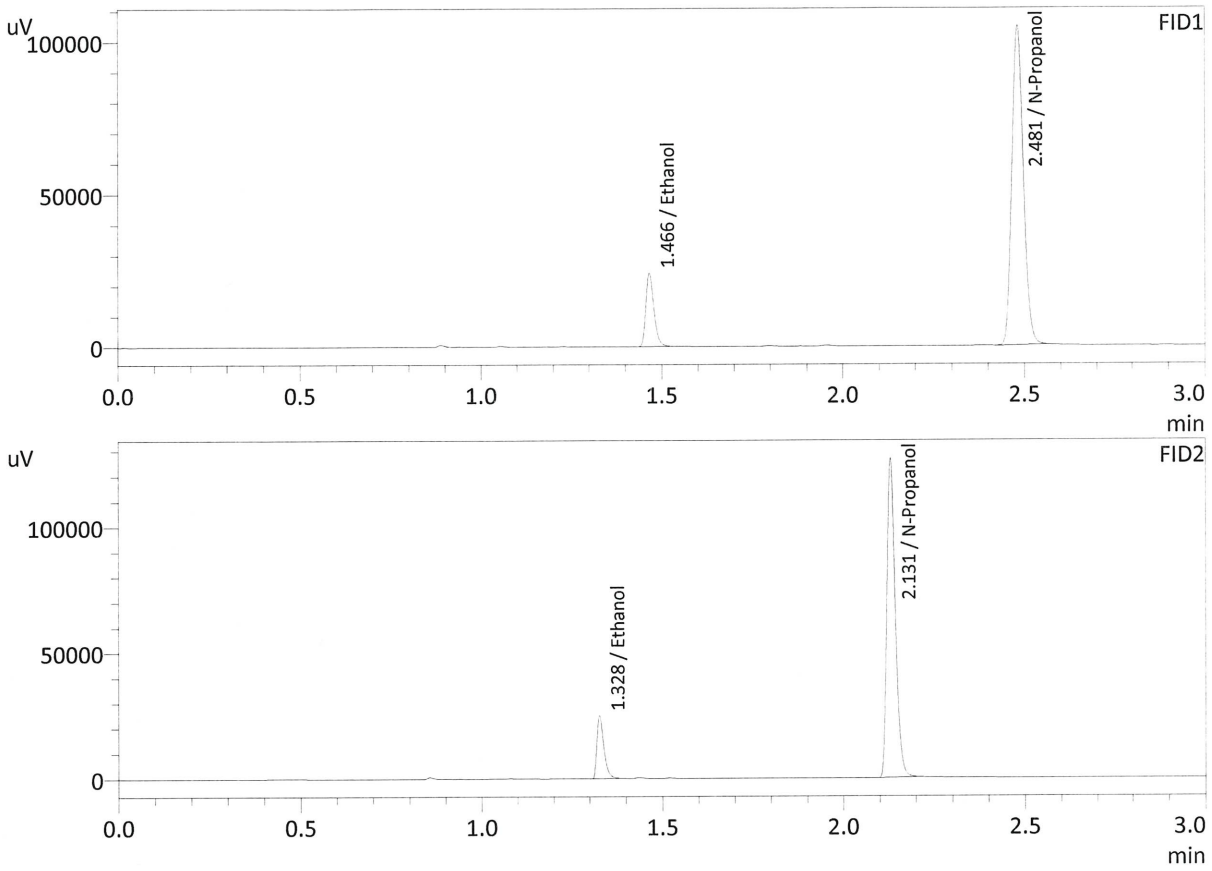
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0735	35204	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223931	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0738	31790	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200229	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/14/2021 8:29:10 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0744	37090	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232822	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0747	33479	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208067	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 07/14/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2077	0.2092	0.0015	0.2084	0.0042	0.2063
(g/100cc)	0.2038	0.2047	0.0009	0.2042		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

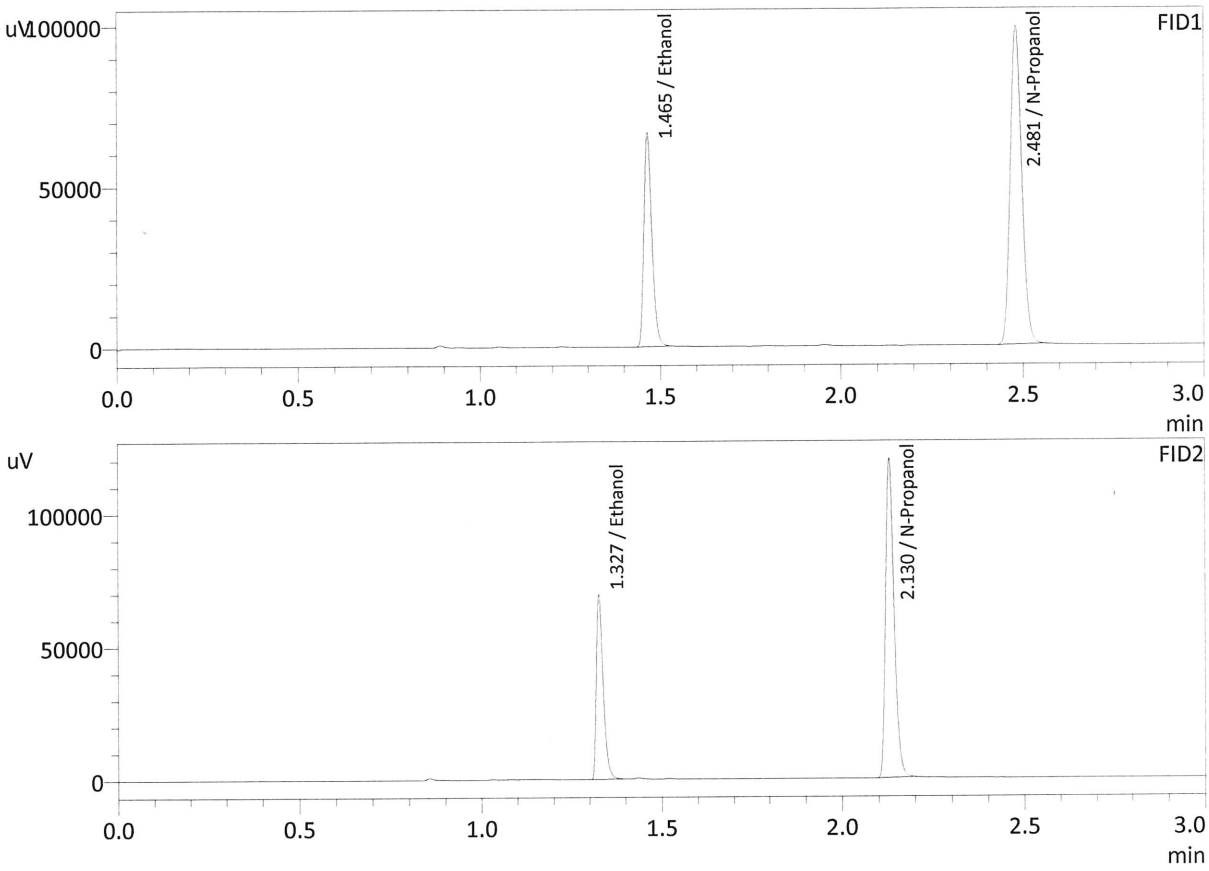
Overall Mean (g/100cc)	Low	High	5% of Mean
0.206	**0.195**	**0.217**	**0.011**

Reported Result

0.206

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 7/14/2021 5:23:41 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



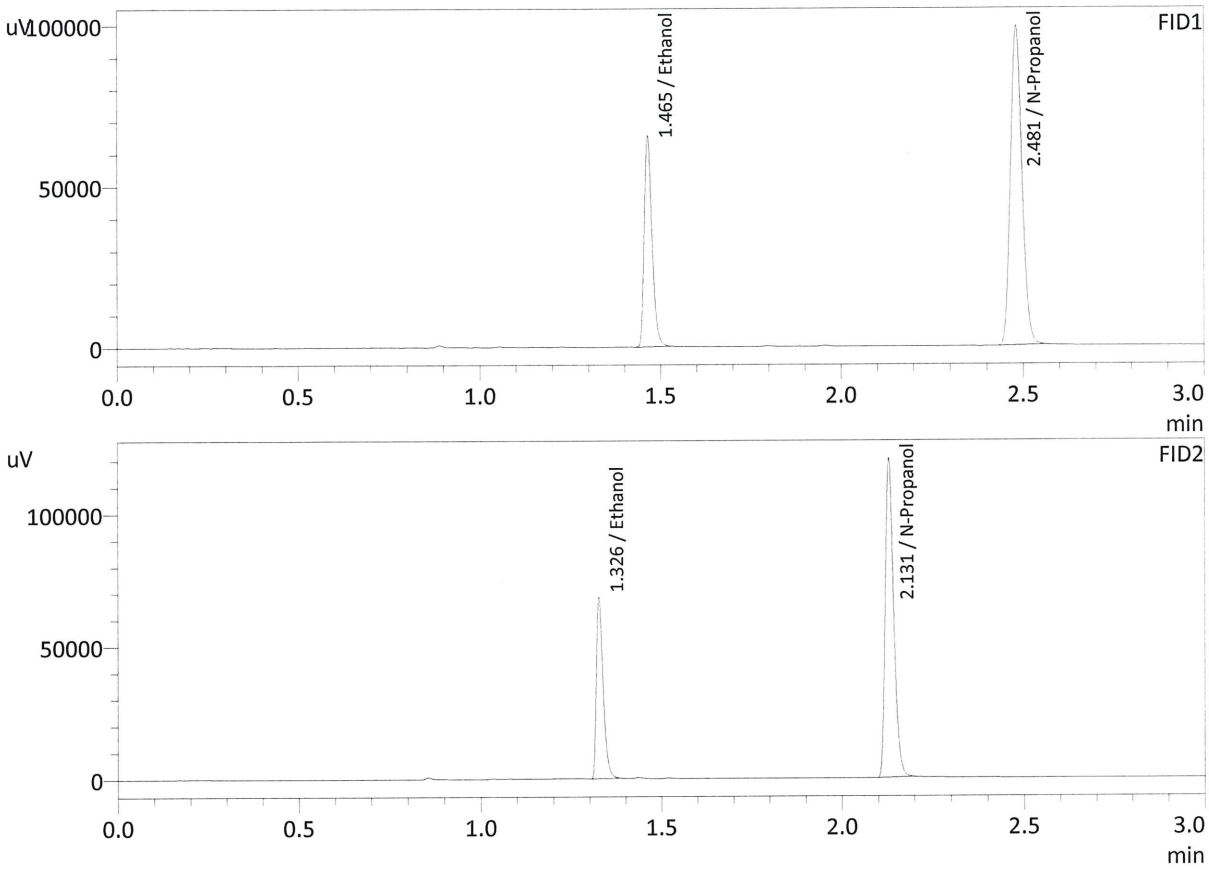
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	101322	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220196	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2092	92051	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196880	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/14/2021 5:30:58 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2038	99790	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221028	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2047	90346	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197616	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QA 0.08 **Analysis Date(s): 07/14/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0816	0.0817	0.0001	0.0816	0.0002	0.0815
(g/100cc)	0.0813	0.0816	0.0003	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

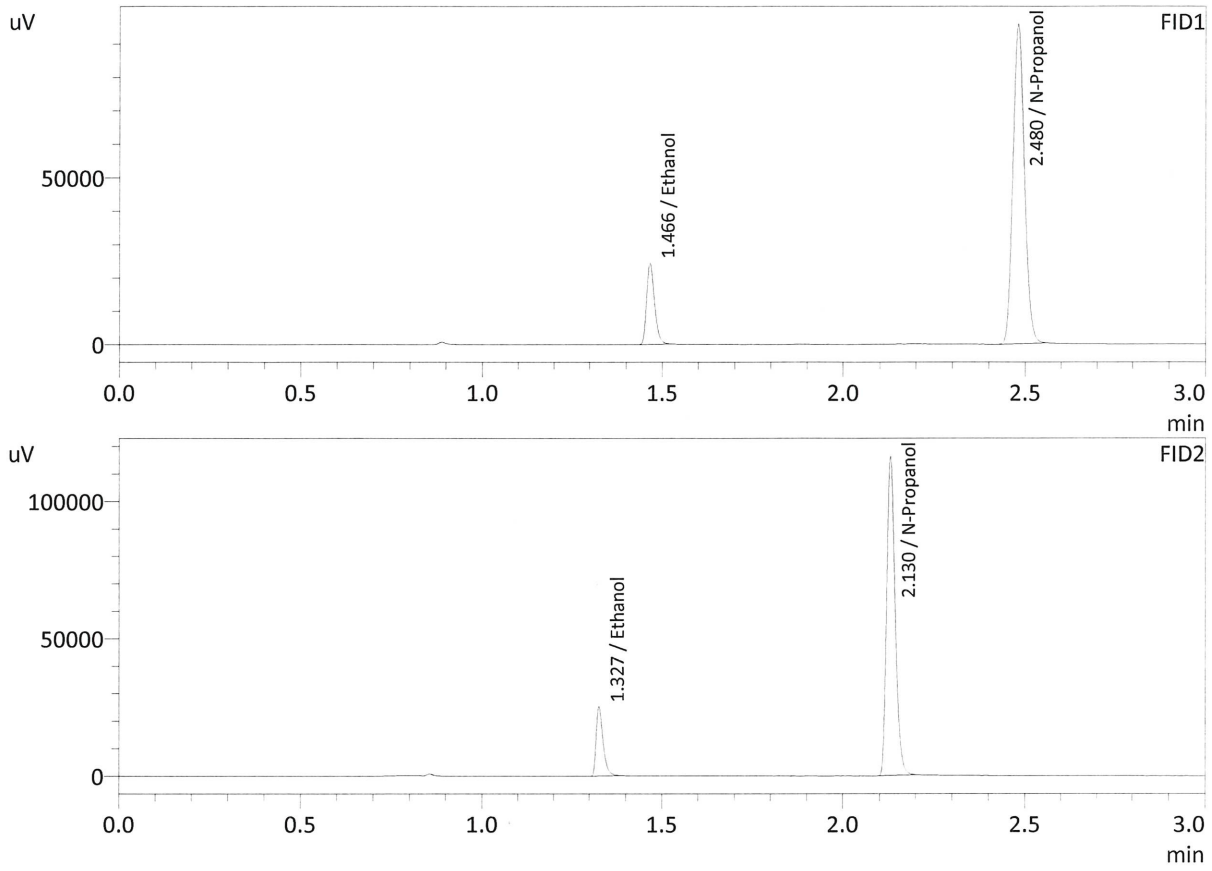
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 7/14/2021 2:42:09 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



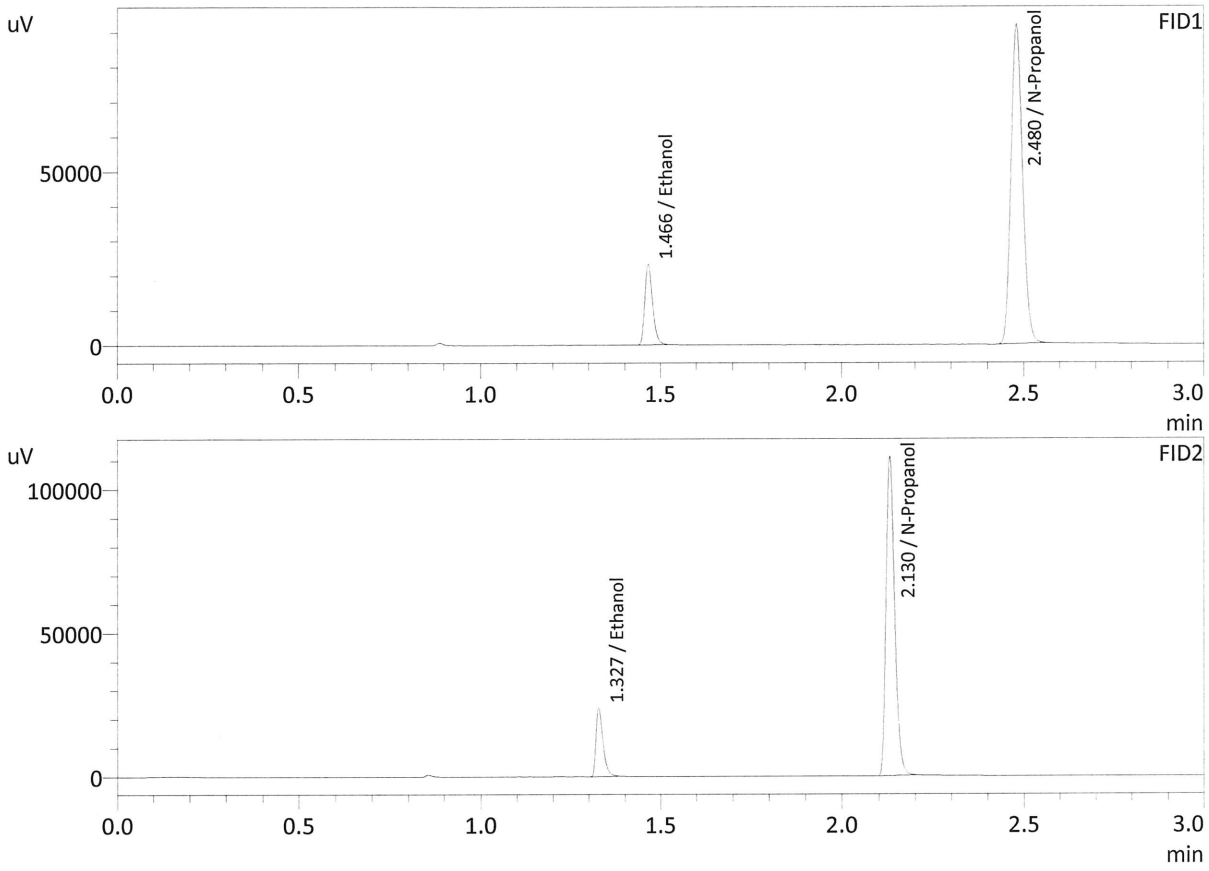
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	37448	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213320	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	33725	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190797	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/14/2021 2:50:31 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



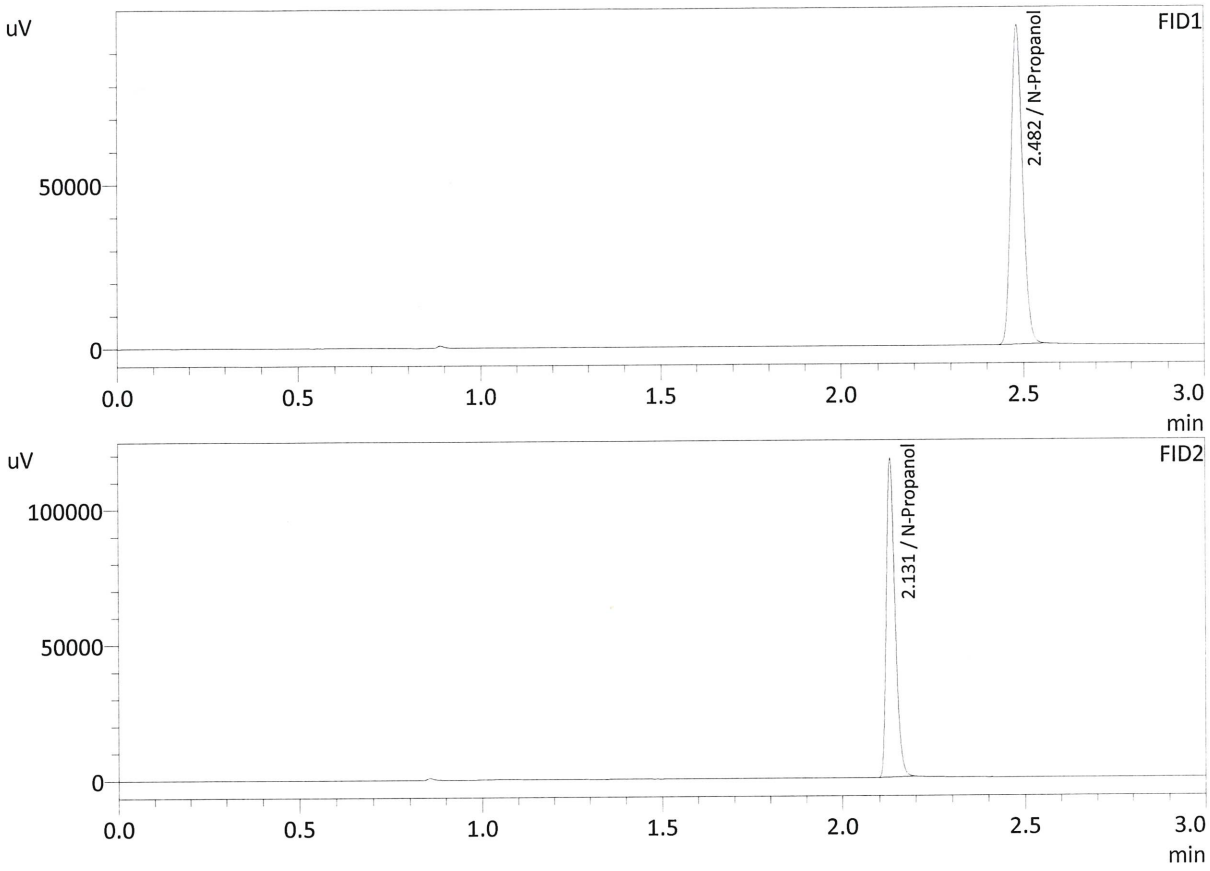
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	35782	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204547	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	32254	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182724	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Meridian
Injection Date : 7/14/2021 8:36:38 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



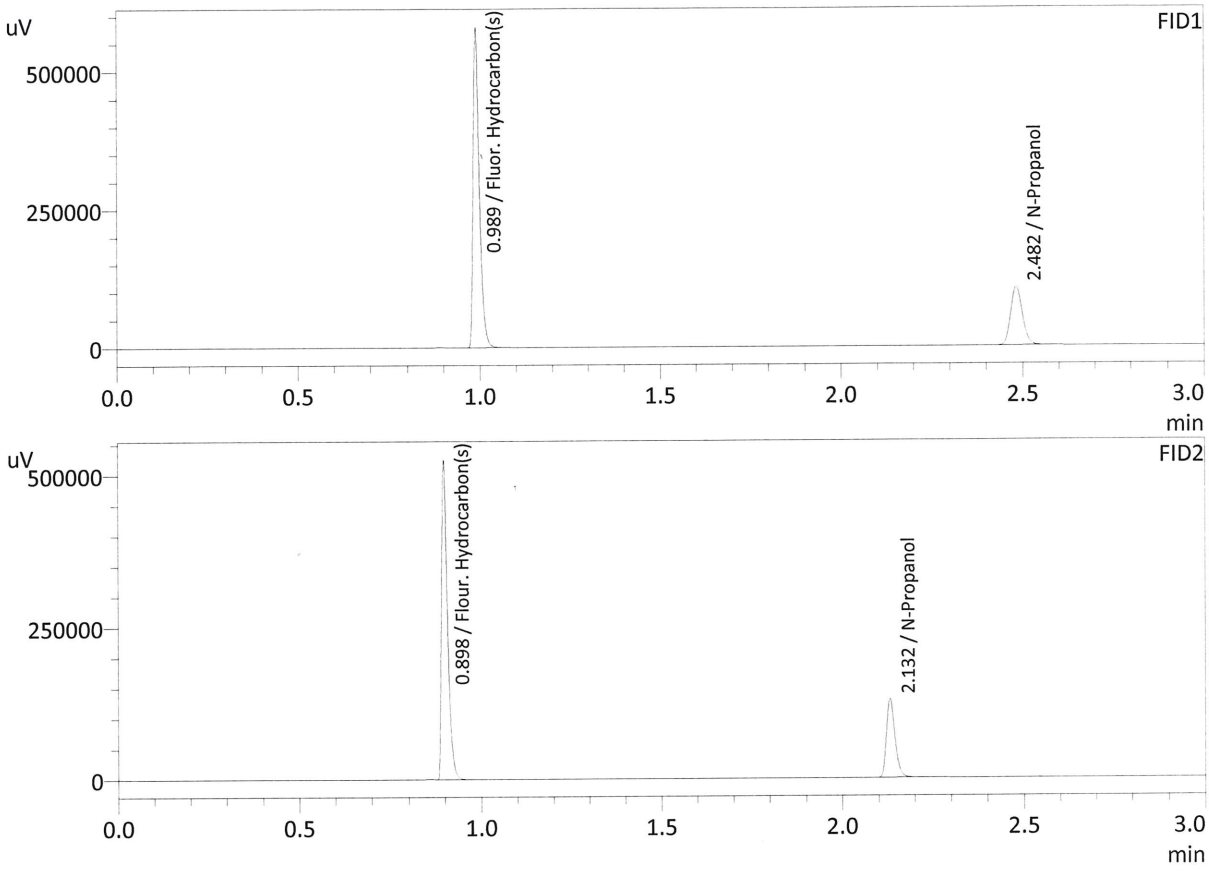
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216523	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	193321	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : 7/14/2021 8:45:10 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



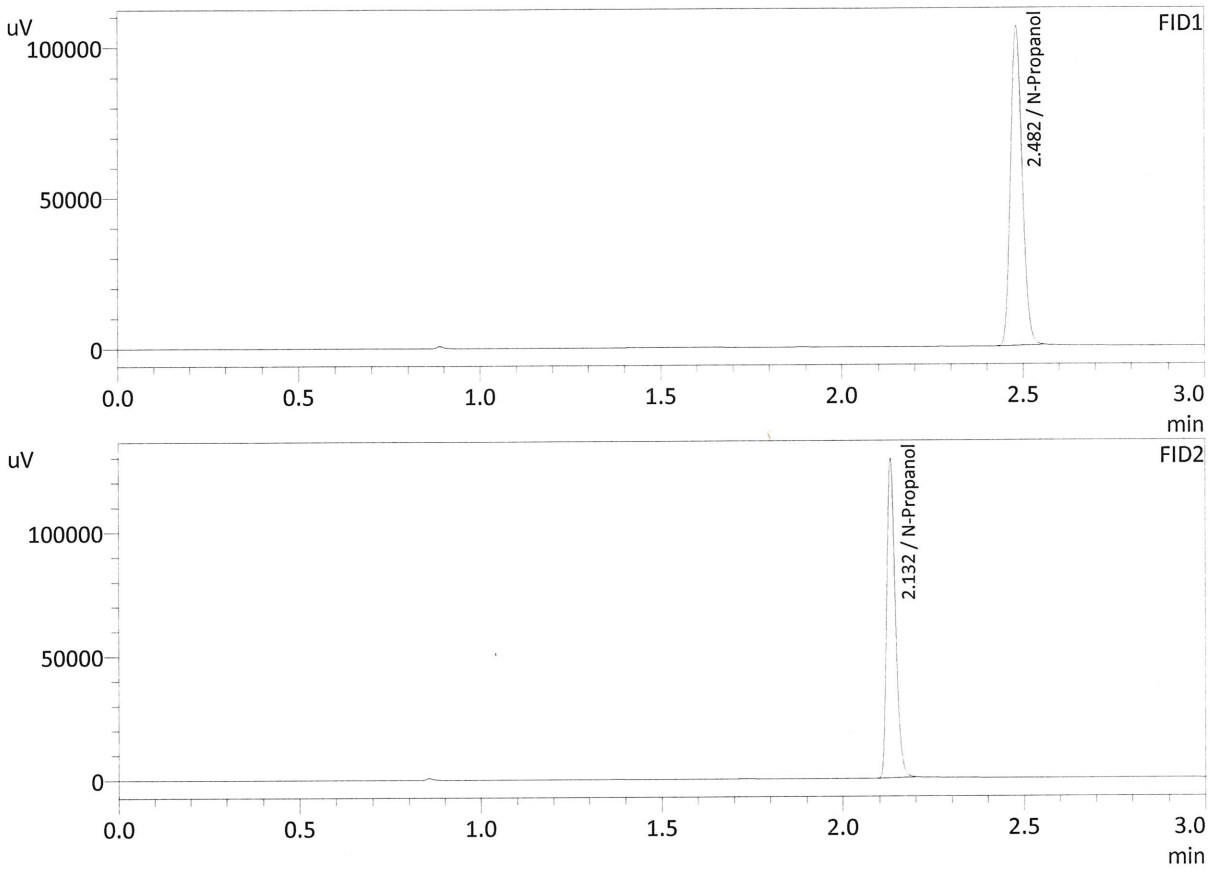
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237050	g/100cc
Fluor. Hydrocarbon(s)	0.0000	688410	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212324	g/100cc
Flour. Hydrocarbon(s)	0.0000	605787	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Meridian
Injection Date : 7/14/2021 8:53:55 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



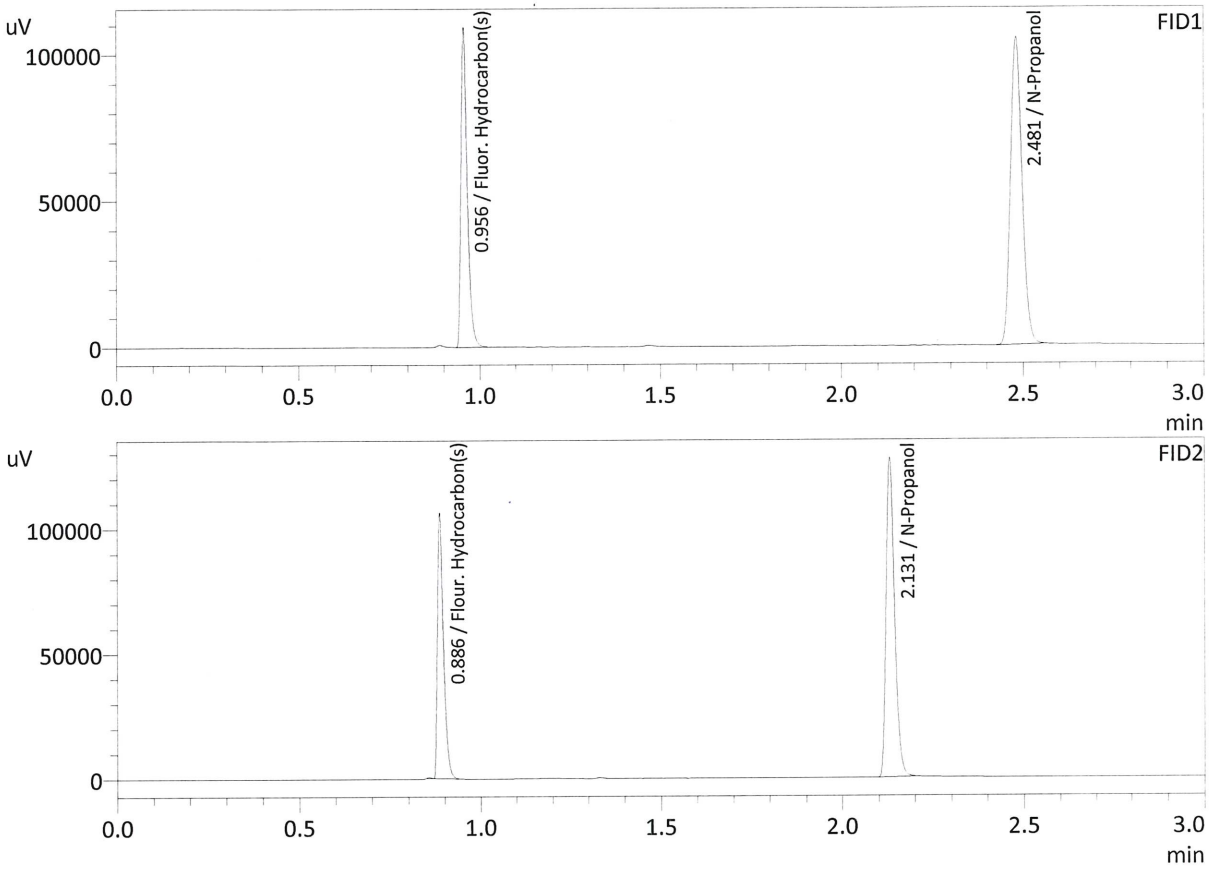
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236024	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	211620	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 7/14/2021 9:01:15 PM
Vial # : 52
Method Filename : C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



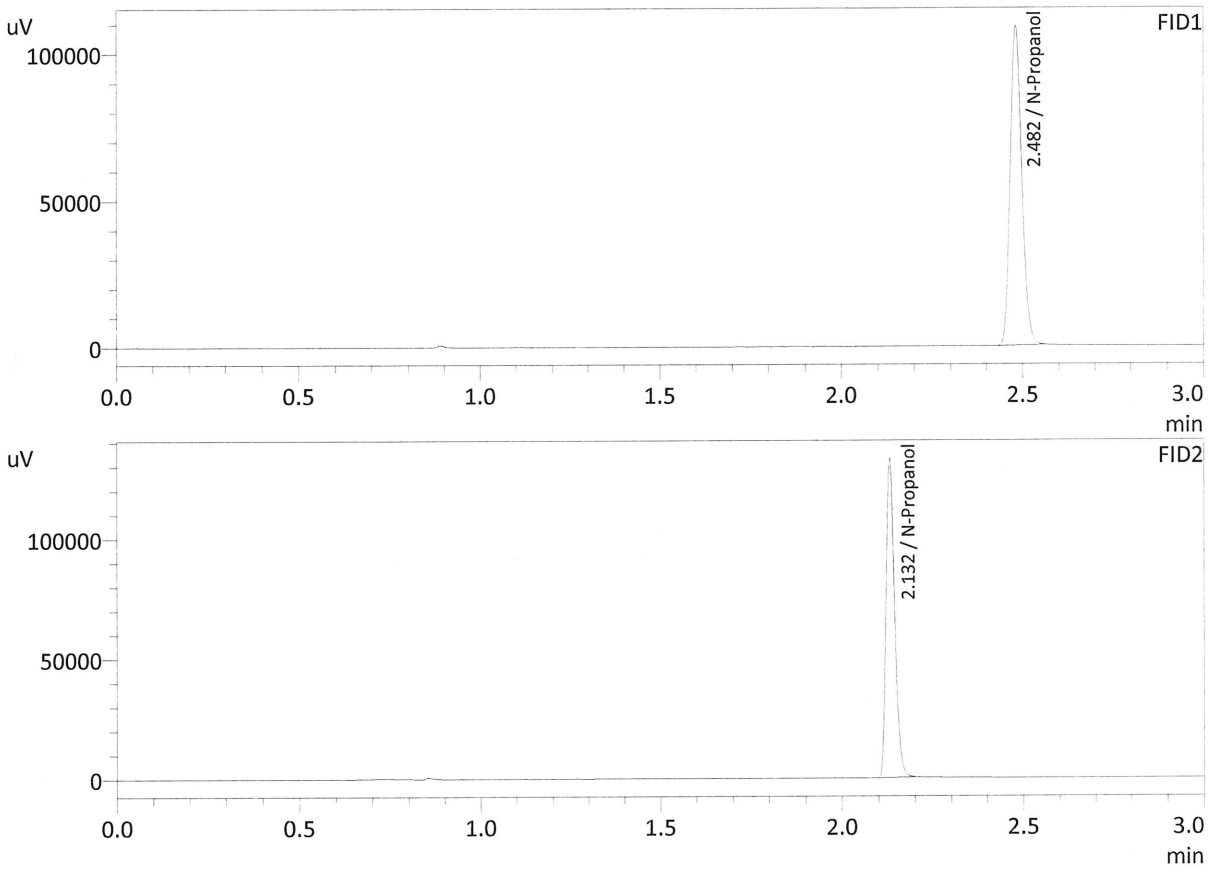
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234080	g/100cc
Fluor. Hydrocarbon(s)	0.0000	132525	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209867	g/100cc
Flour. Hydrocarbon(s)	0.0000	122953	g/100cc

Sample Name : INT STD BLNK 4
Laboratory : Meridian
Injection Date : 7/14/2021 9:09:03 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\210714\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	242329	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	217431	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Bradley, Nikka

From: Bradley, Nikka
Sent: Thursday, July 15, 2021 12:42 PM
To: Giso, Galina
Subject: Calibration Template for Worklist 5108

Will you please create a calibration template for C:\LabSolutions\Data\210714\TEMPLATE\CALIBRATION\ALCOHOL.GCM.

At the moment Worklist 5108 looks like calibration table included does not match the method path of the samples.

Nikka Bradley
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