APPROVED
By John Garner at 11:38 am, Nov 29, 2021

11/29/2021

Worklist: 5412

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-4978	1	BCK	Alcohol Analysis
M2021-4979	1	BCK	Alcohol Analysis
M2021-4980	1	BCK	Alcohol Analysis
M2021-4994	1	BCK	Alcohol Analysis
M2021-5018	1	BCK	Alcohol Analysis
M2021-5026	1	BCK	Alcohol Analysis
M2021-5027	1	BCK	Alcohol Analysis
M2021-5046	1	BCK	Alcohol Analysis
M2021-5047	1	BCK	Alcohol Analysis
M2021-5048	1	BCK	Alcohol Analysis
M2021-5049	1	BCK	Alcohol Analysis
M2021-5050	1	BCK	Alcohol Analysis
M2021-5110	1	BCK	Alcohol Analysis
M2021-5123	1	BCK	Alcohol Analysis
M2021-5124	1	BCK	Alcohol Analysis
M2021-5125	1	BCK	Alcohol Analysis
M2021-5126	1	BCK	Alcohol Analysis
M2021-5140	1	BCK	Alcohol Analysis
M2021-5141	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: M600H11378

Volatiles Quality Assurance Controls **Run Date(s): 11/26/2021**

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	0.0733 g/100cc
					0.0782 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2133 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

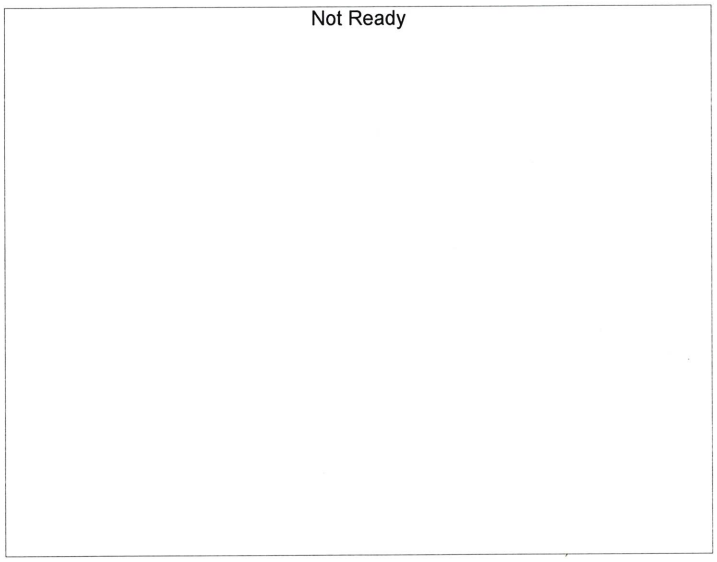
Aqueous Controls

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

Calibration Table

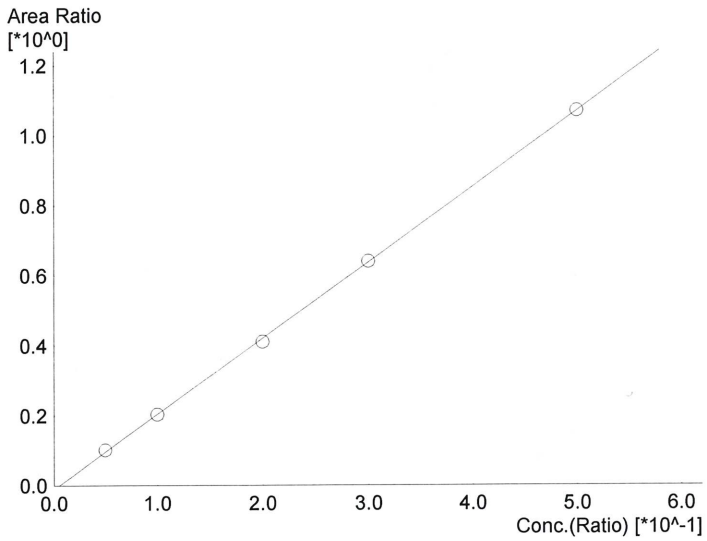
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<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



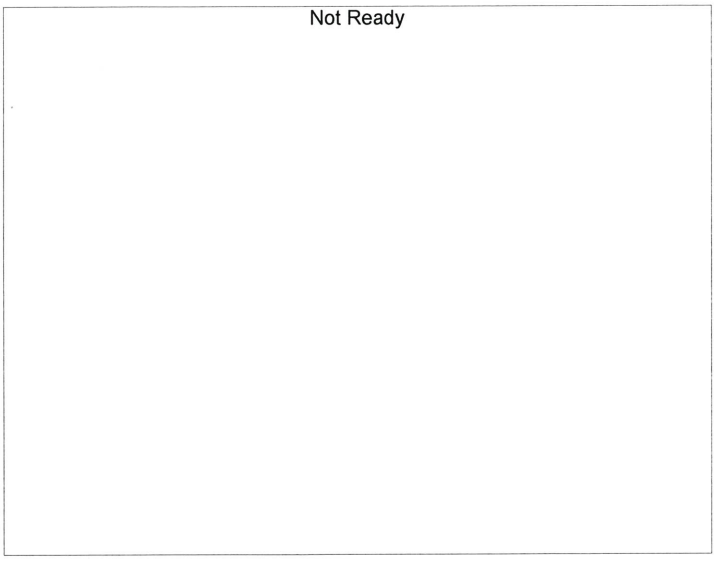
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



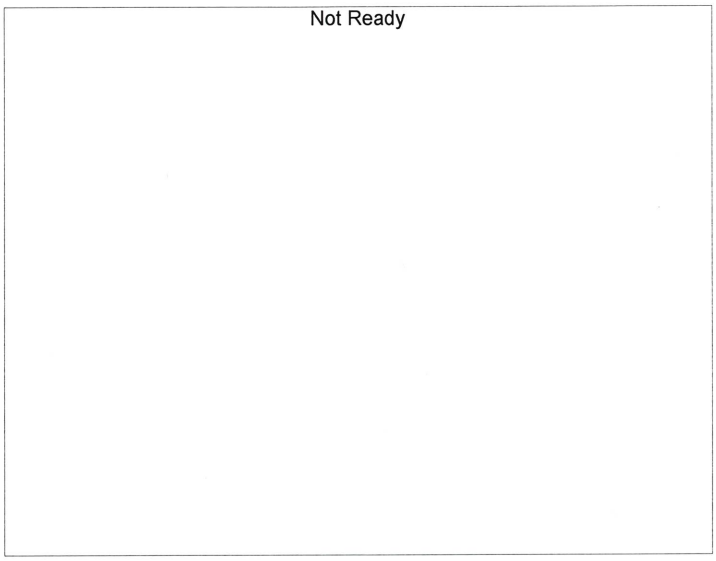
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.16010*x-0.0123065
R^2 value= 0.9997823
FitType: Linear
ZeroThrough: Not Through

#	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



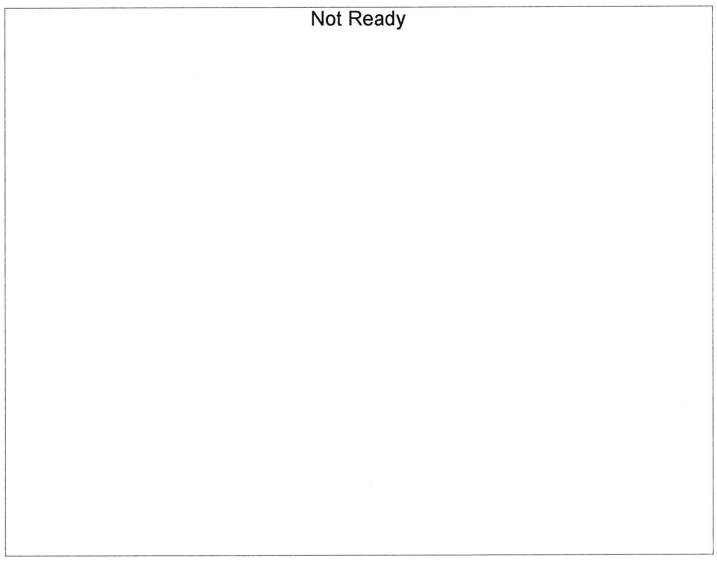
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



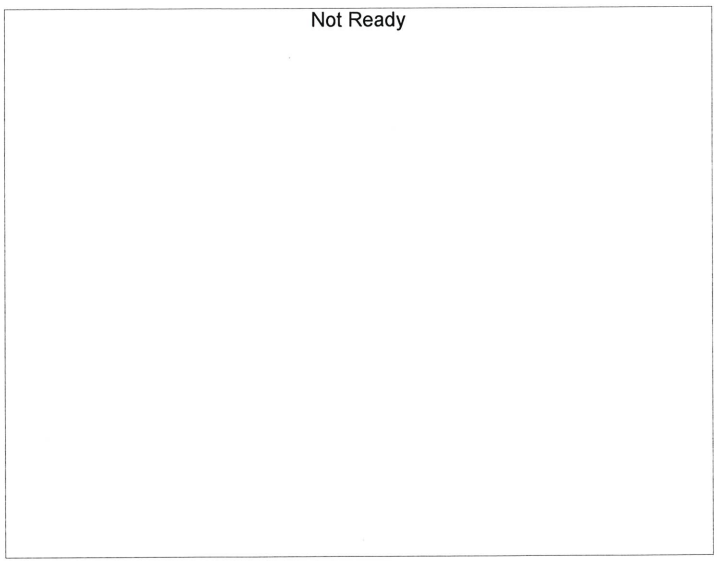
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



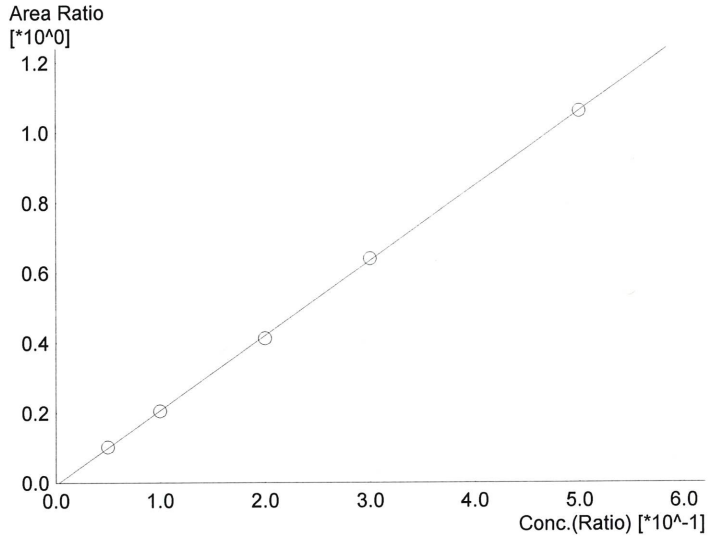
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



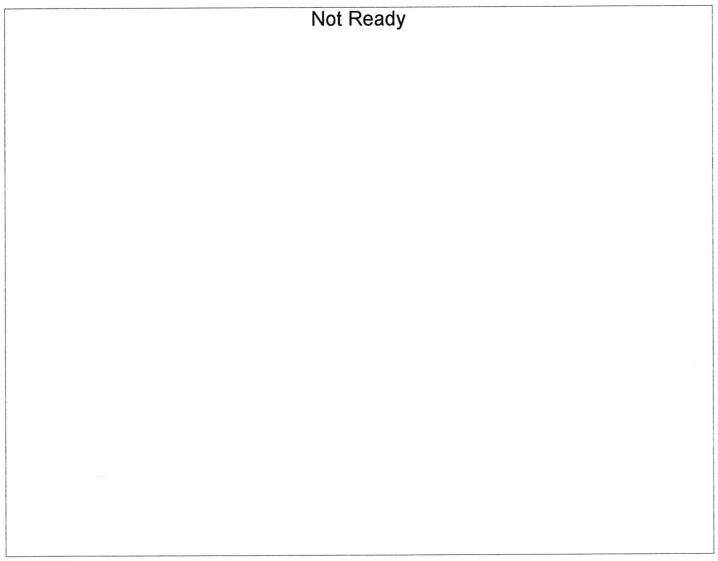
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



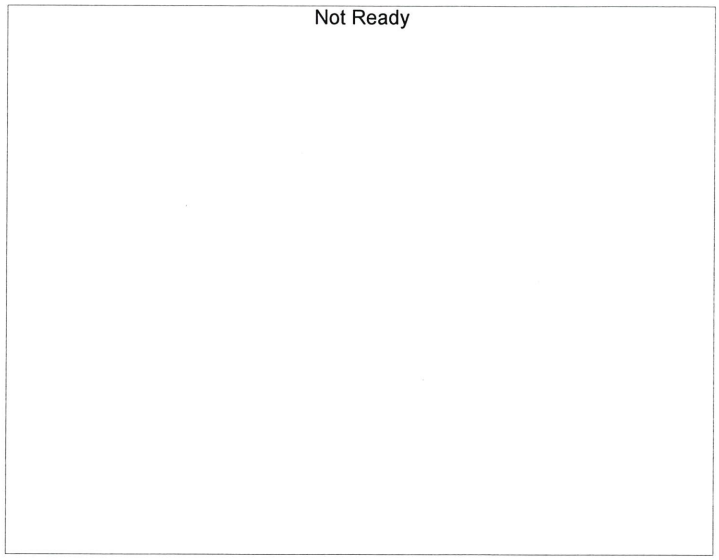
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.13691*x-0.00776578
R^2 value= 0.9998101
FitType: Linear
ZeroThrough: Not Through

#	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

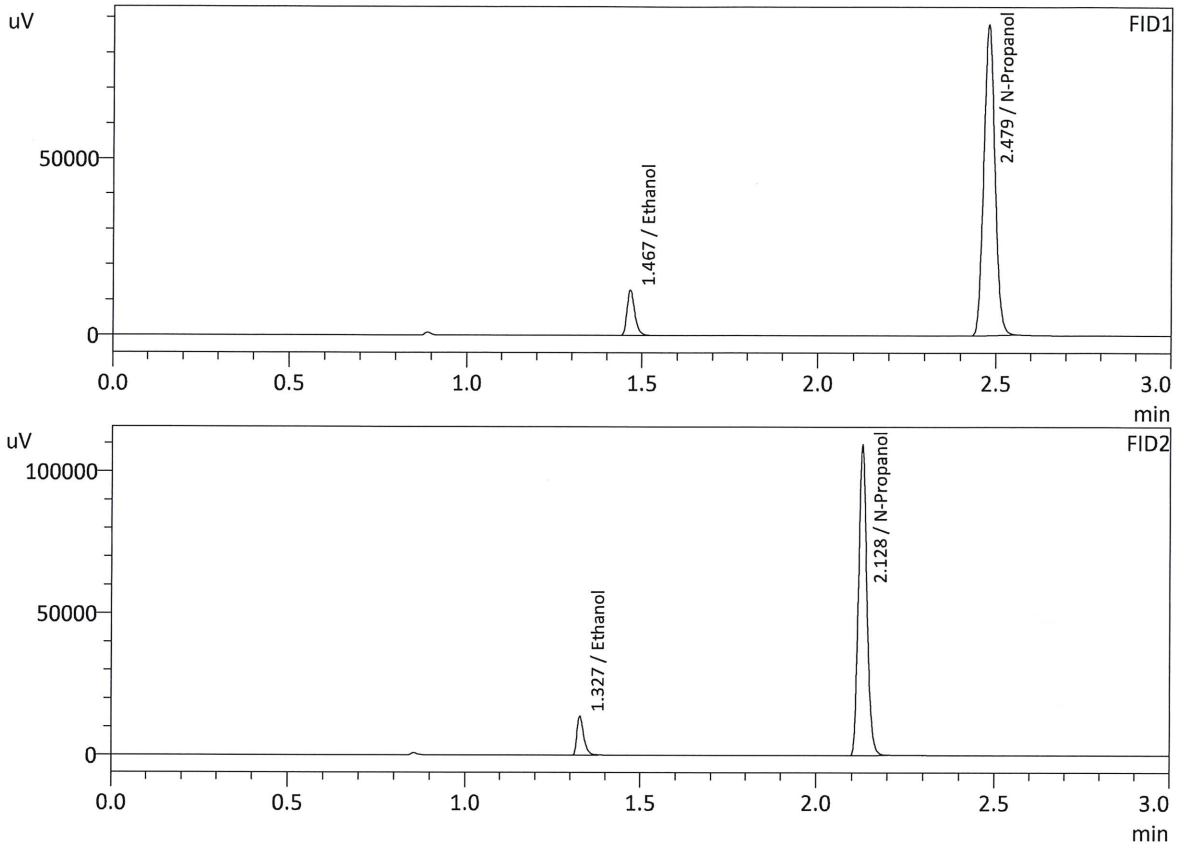
#	Conc.	Area	Std. Conc.

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

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

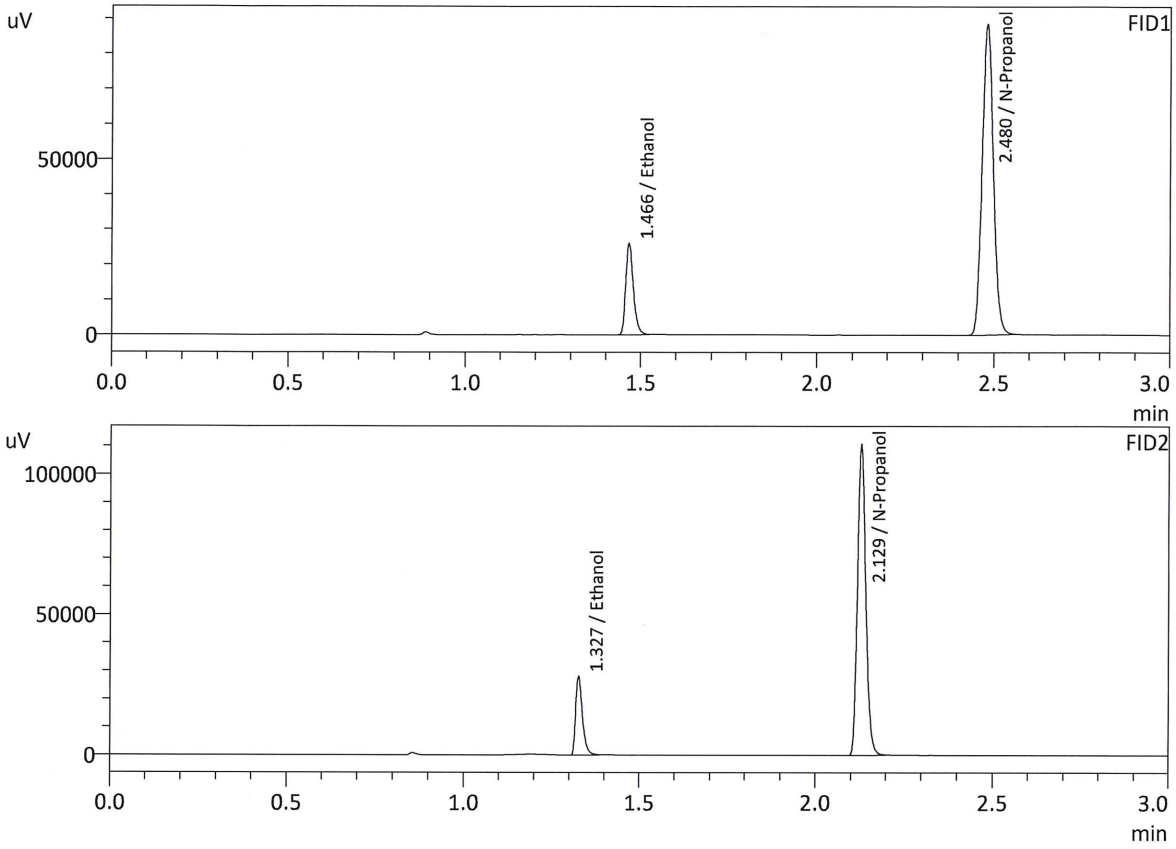
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0524	19580	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193797	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

BV

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

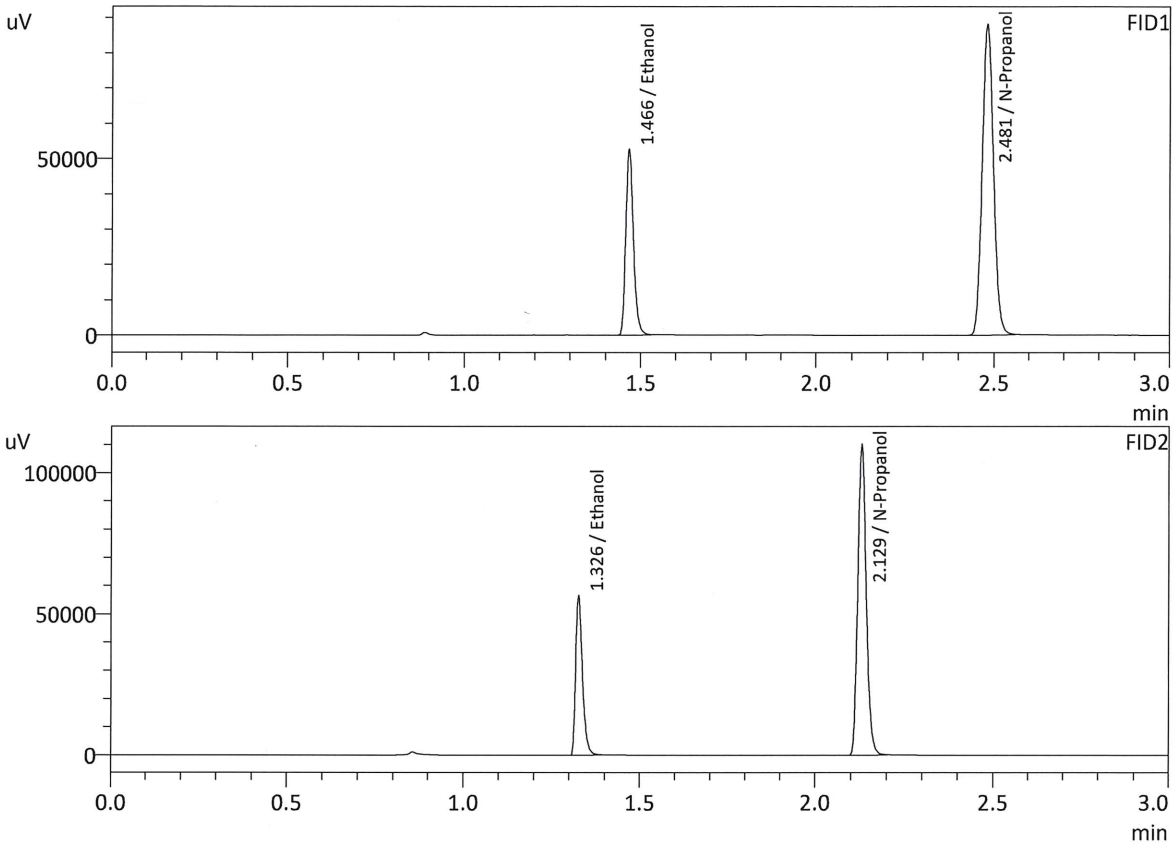
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0995	39627	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195564	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

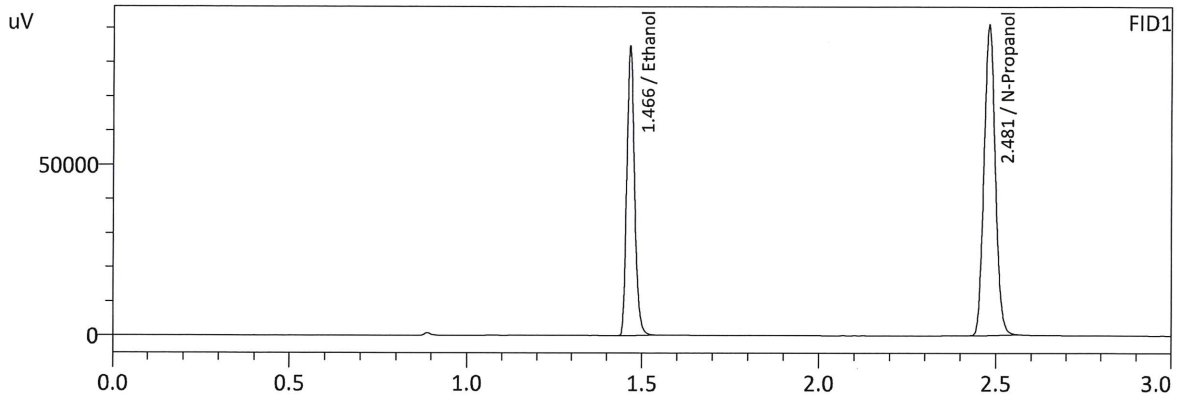
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1957	80013	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194898	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

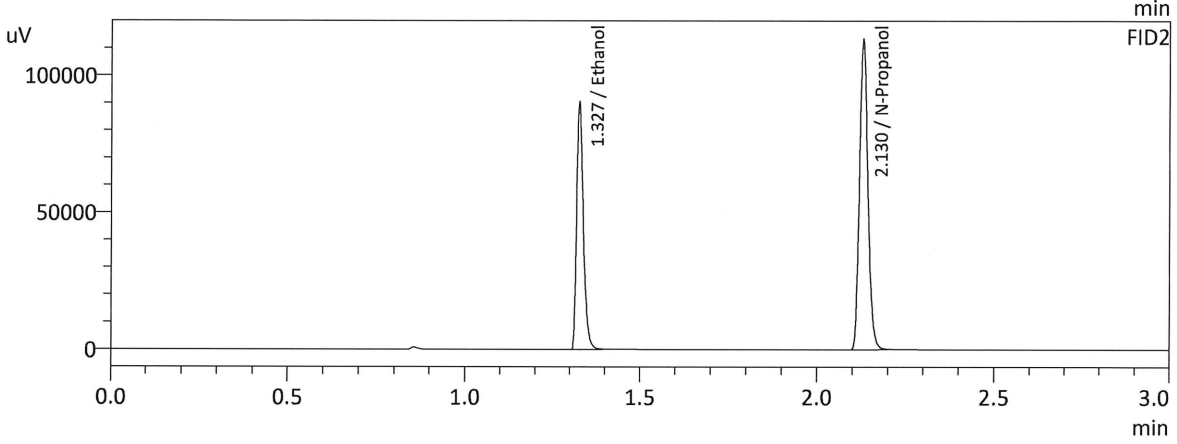
FID2

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

BB

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





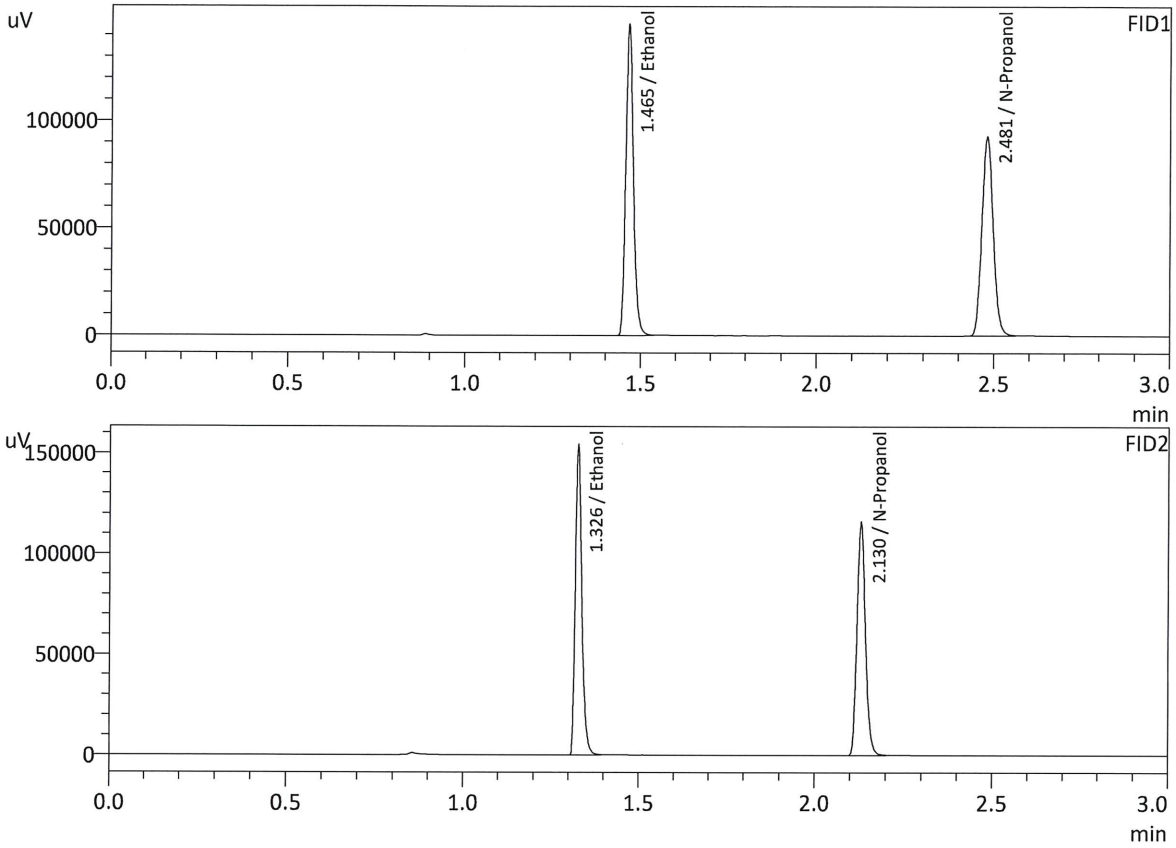
FID1

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

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



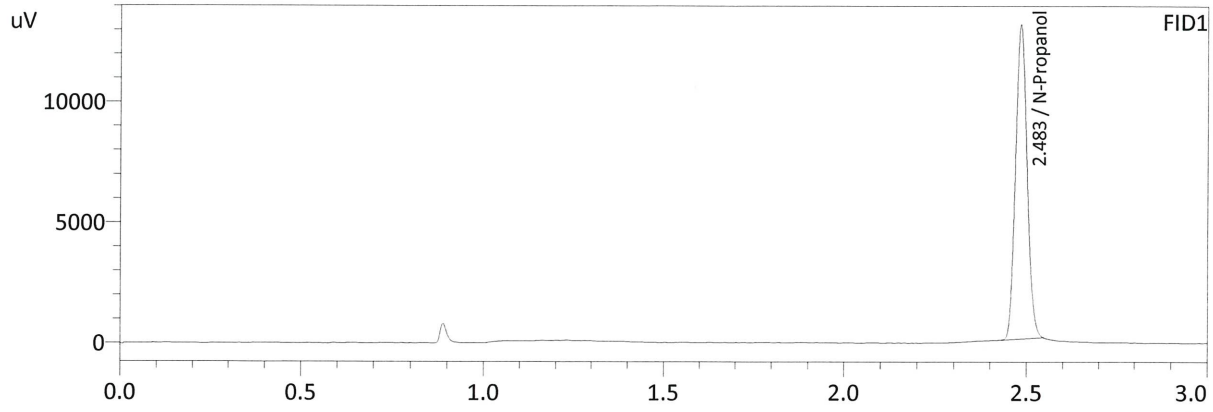
FID1

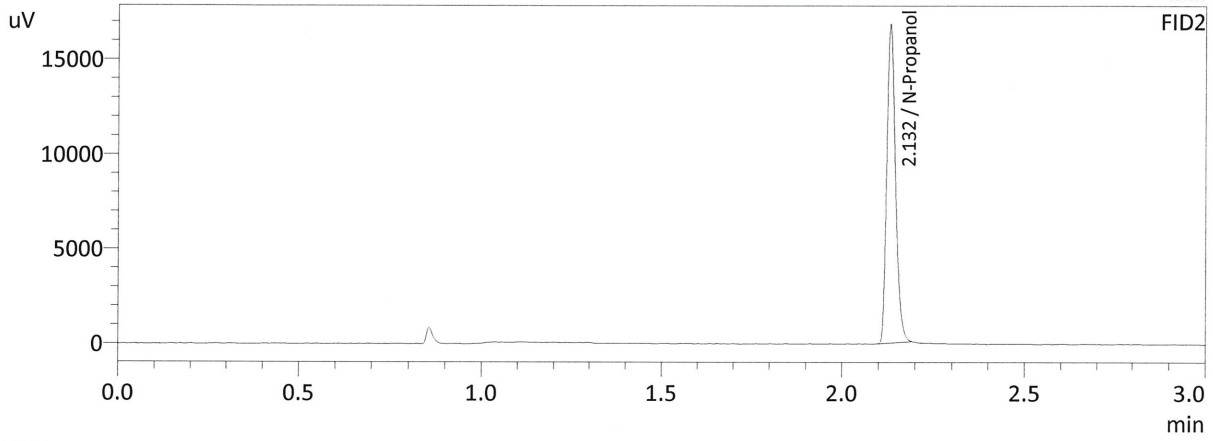
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5004	219606	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205479	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

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

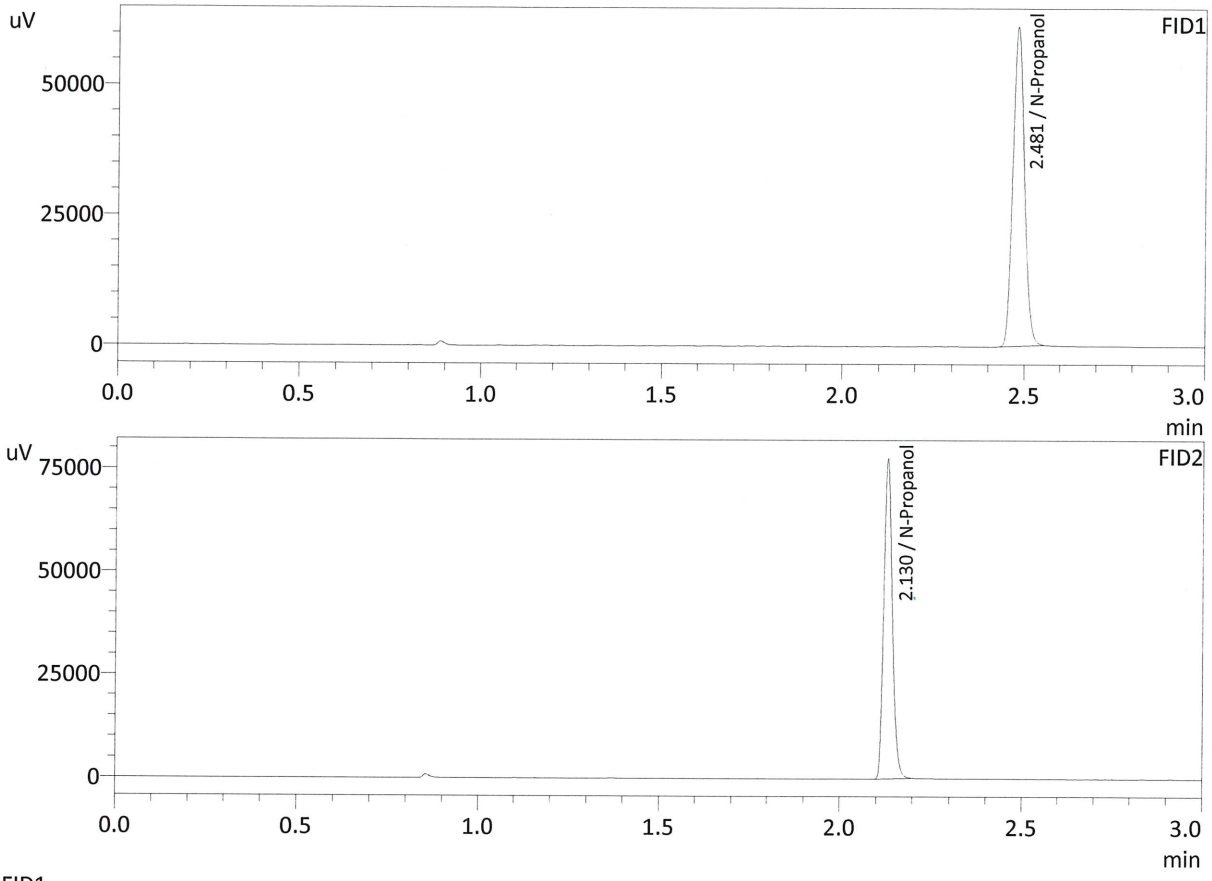
GS

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	M2021-4978-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
8	M2021-4978-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
9	M2021-4979-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
10	M2021-4979-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
11	M2021-4980-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
12	M2021-4980-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
13	M2021-4994-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
14	M2021-4994-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
15	M2021-5018-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
16	M2021-5018-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
17	M2021-5026-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
18	M2021-5026-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
19	M2021-5027-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
20	M2021-5027-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
21	M2021-5046-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
22	M2021-5046-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
23	M2021-5047-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
24	M2021-5047-1-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	M2021-5048-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
28	M2021-5048-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
29	M2021-5049-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
30	M2021-5049-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
31	M2021-5050-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
32	M2021-5050-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
33	M2021-5110-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
34	M2021-5110-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
35	M2021-5123-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
36	M2021-5123-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
37	M2021-5124-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
38	M2021-5124-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
39	M2021-5125-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
40	M2021-5125-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
41	M2021-5126-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
42	M2021-5126-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
43	M2021-5140-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
44	M2021-5140-1-B	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
45	M2021-5141-1-A	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
46	M2021-5141-1-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 BLANK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
50	DFE 111914 OM	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
51	INT STD BLANK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
52	TFE 111914	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
53	INT STD BLNK	C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/26/2021 12:05:40 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

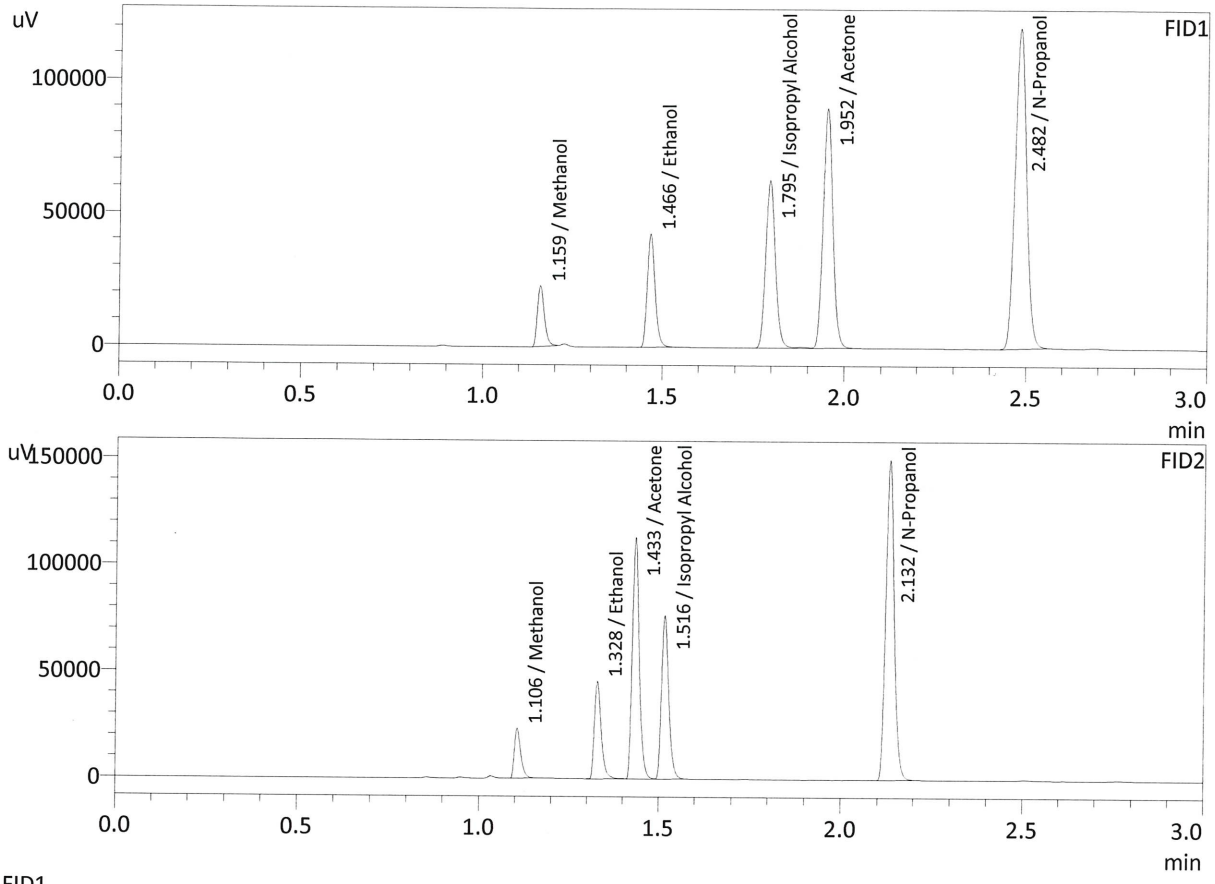
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	136369	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	128380	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 11/26/2021 12:13:01 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	30381	g/100cc
Ethanol	0.1187	64955	g/100cc
Isopropyl Alcohol	0.0000	116575	g/100cc
Acetone	0.0000	166952	g/100cc
N-Propanol	0.0000	265966	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	29288	g/100cc
Ethanol	0.1203	61328	g/100cc
Acetone	0.0000	152779	g/100cc
Isopropyl Alcohol	0.0000	107267	g/100cc
N-Propanol	0.0000	245835	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 11/26/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0732	0.0727	0.0005	0.0729	0.0007	0.0733
(g/100cc)	0.0738	0.0735	0.0003	0.0736		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

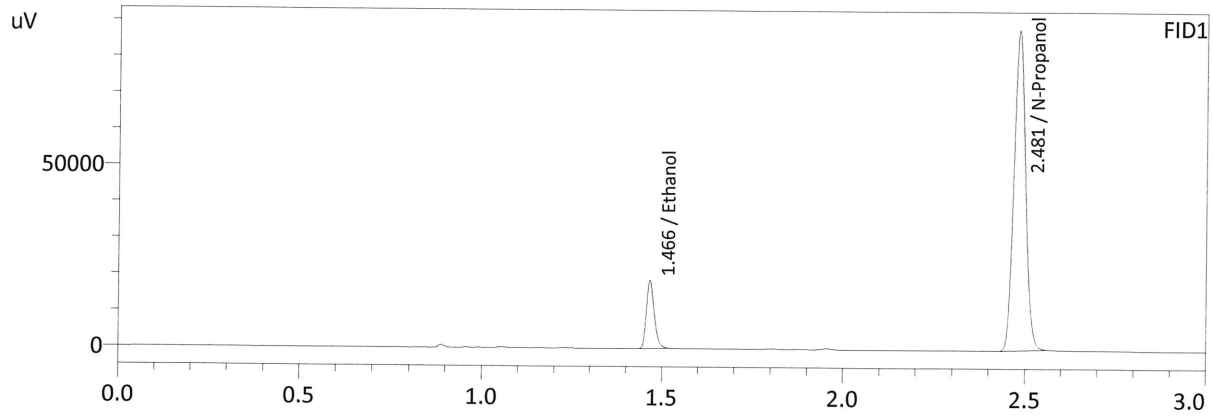
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	**0.069**	**0.077**	**0.004**

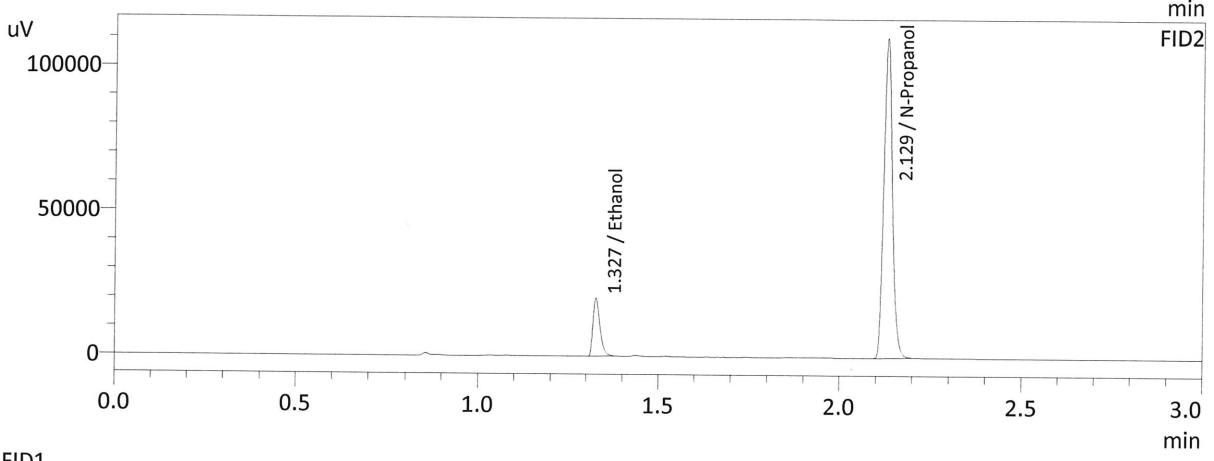
Reported Result

0.073

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 11/26/2021 12:20:19 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





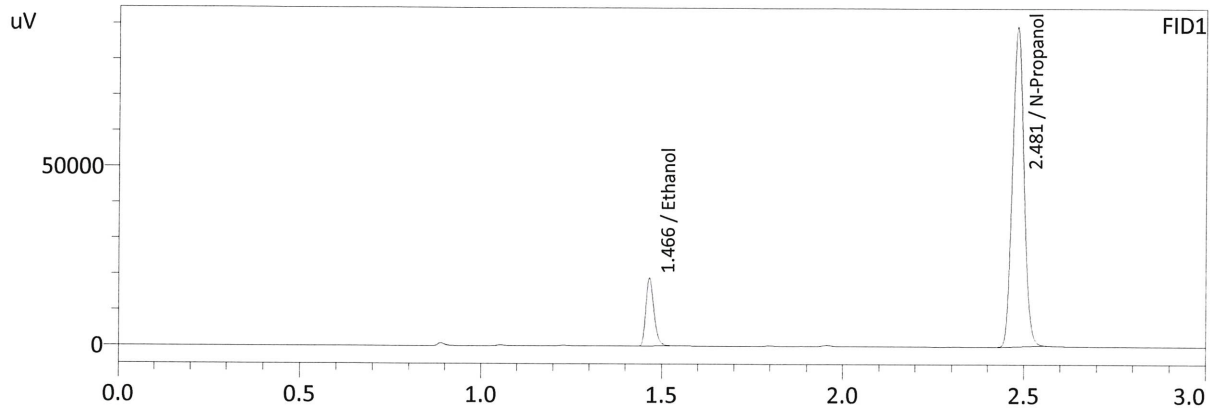
FID1

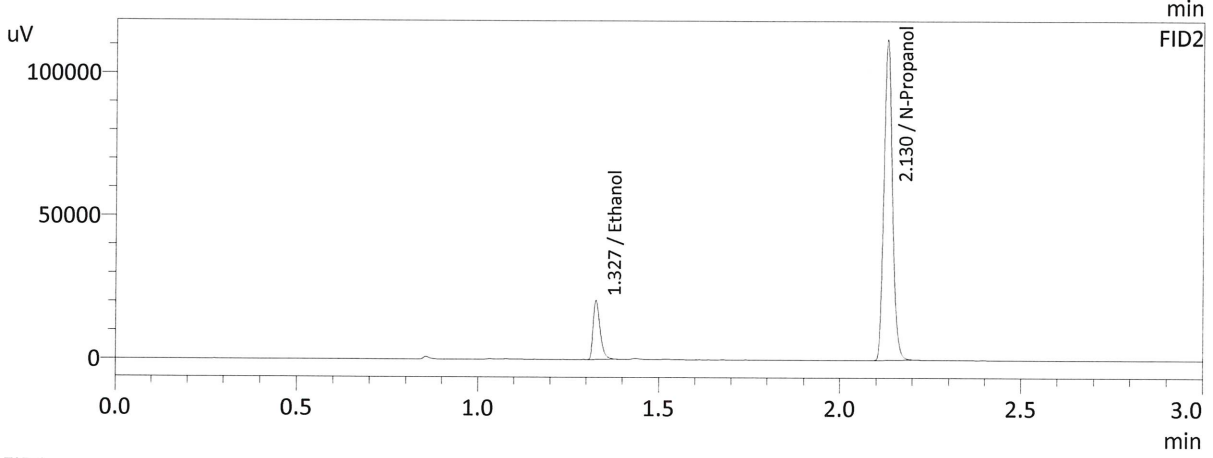
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0732	28568	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195704	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0727	26952	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182370	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 11/26/2021 12:29:15 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	0.0738	29183	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198184	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0735	27555	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184451	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.:QA 0.08 **Analysis Date(s): 11/26/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0818	0.0815	0.0003	0.0816	0.0008	0.0820
(g/100cc)	0.0825	0.0823	0.0002	0.0824		

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

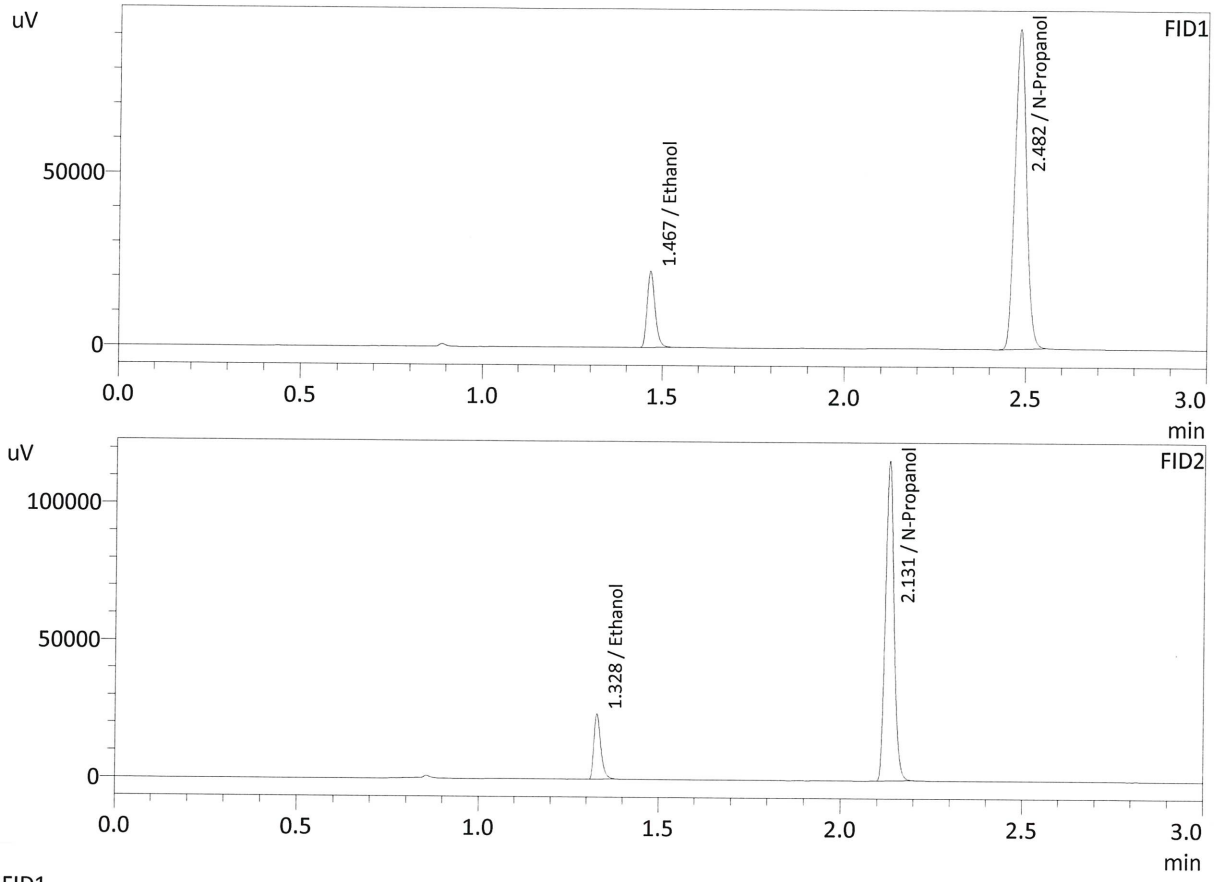
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 11/26/2021 12:36:57 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



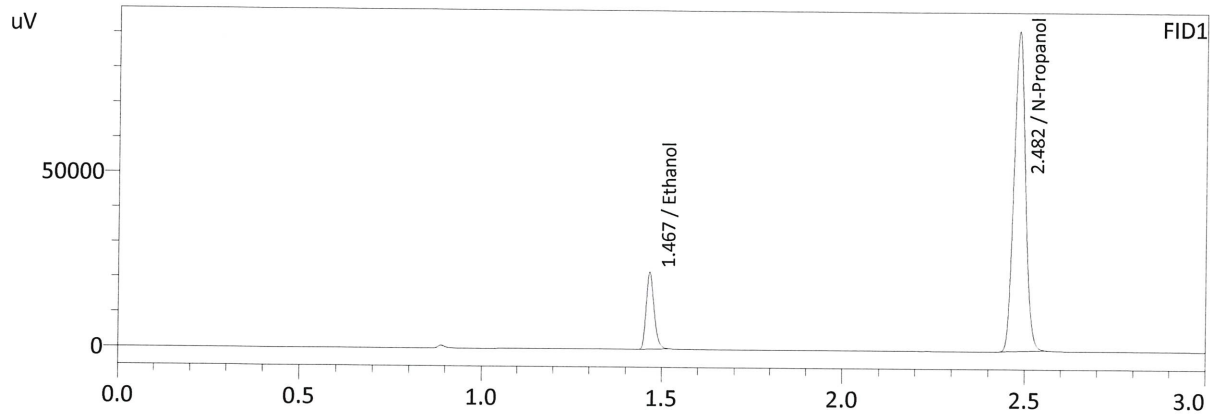
FID1

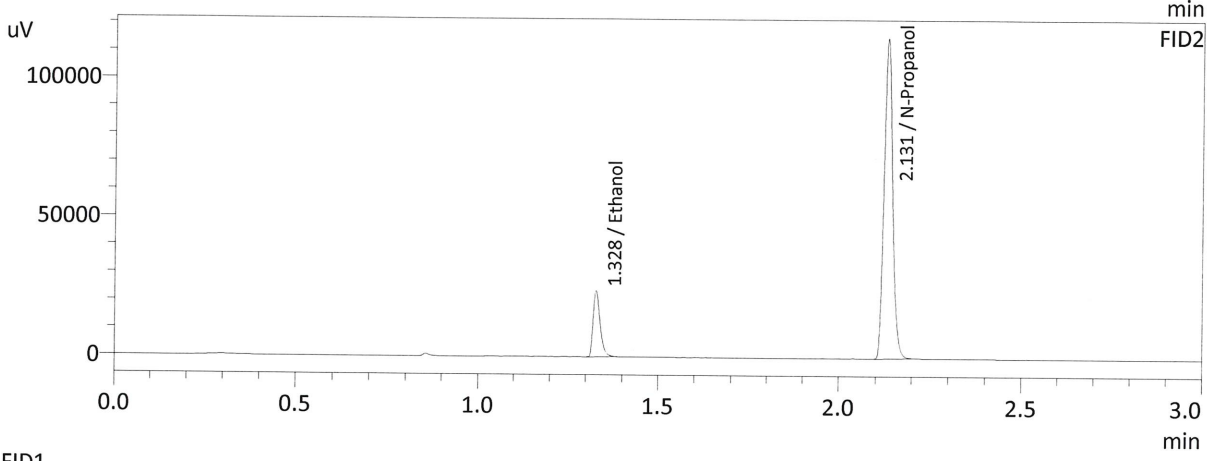
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	33830	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205520	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	31870	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191423	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 11/26/2021 12:45:12 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	0.0825	33728	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203176	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	31851	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189242	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Analysis Date(s): 11/26/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2120	0.2130	0.0010	0.2125	0.0016	0.2133
(g/100cc)	0.2137	0.2145	0.0008	0.2141		

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%**

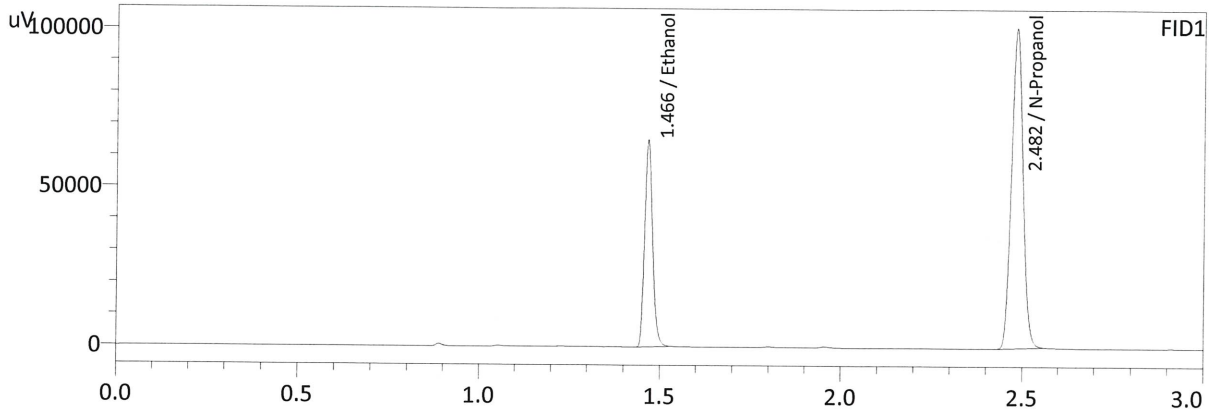
Overall Mean (g/100cc)	Low	High	5% of Mean
0.213	0.202	0.224	0.011

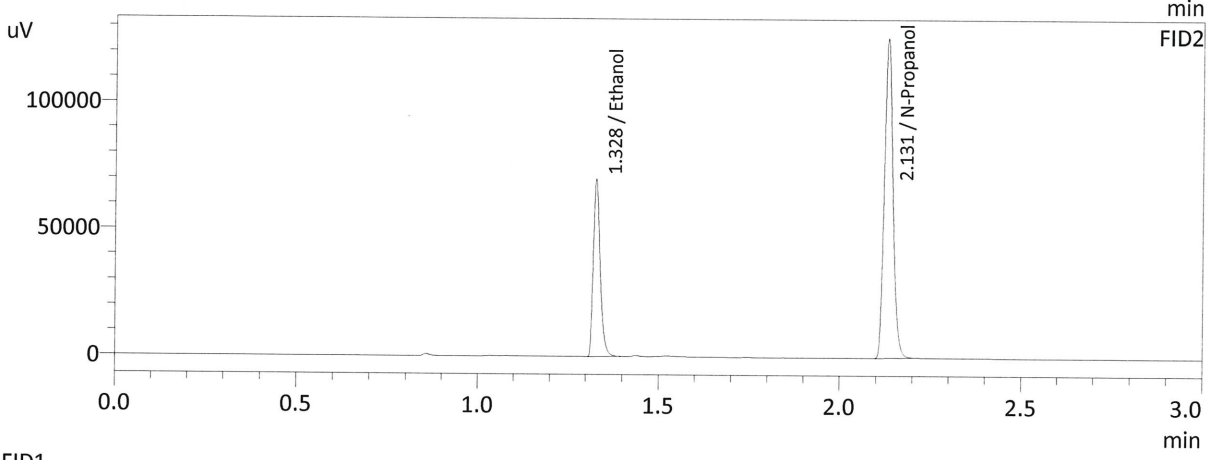
Reported Result

0.213

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 11/26/2021 3:19:02 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





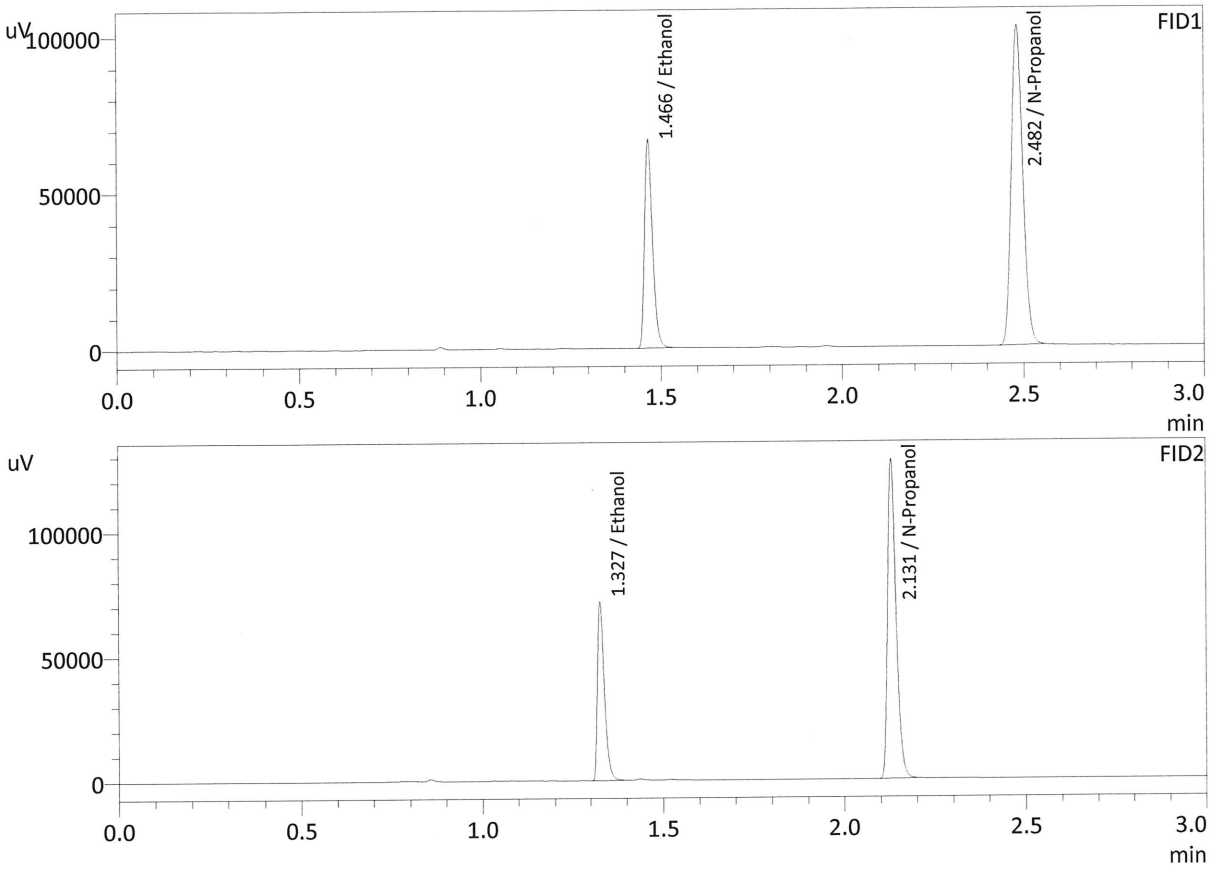
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2120	99302	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222813	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2130	92579	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206910	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 11/26/2021 3:26:48 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	0.2137	101711	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226371	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2145	94822	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210353	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Analysis Date(s): 11/26/2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0787	0.0787	0.0000	0.0787	0.0010	0.0782
(g/100cc)	0.0779	0.0776	0.0003	0.0777		

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

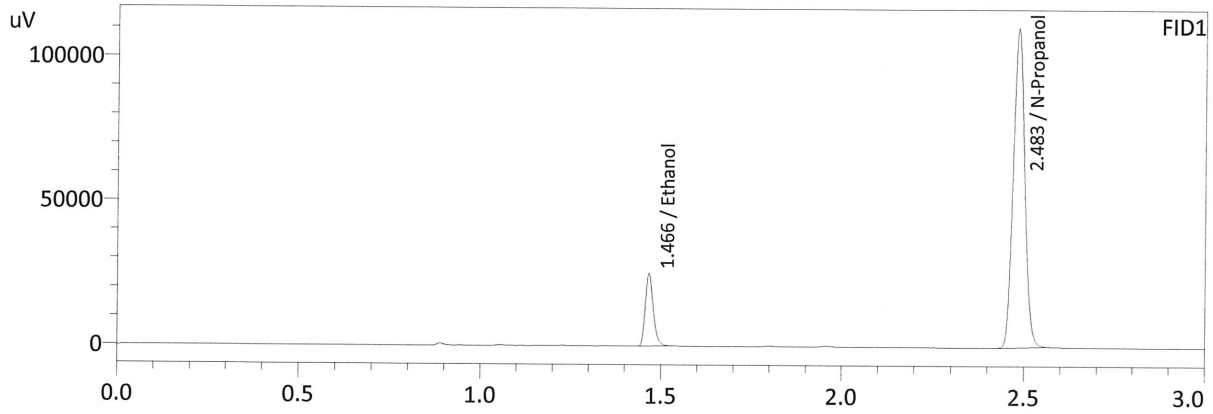
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

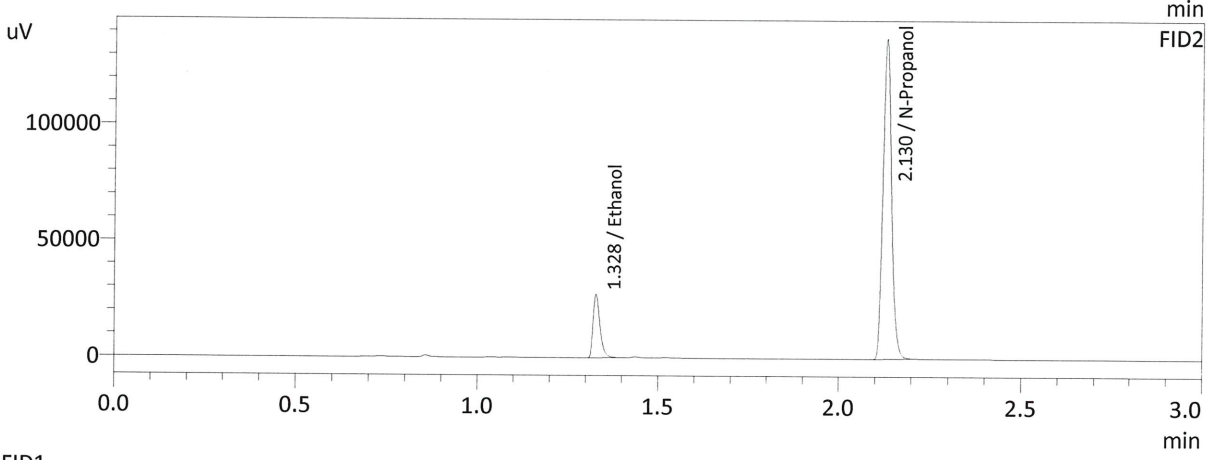
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 11/26/2021 6:17:35 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





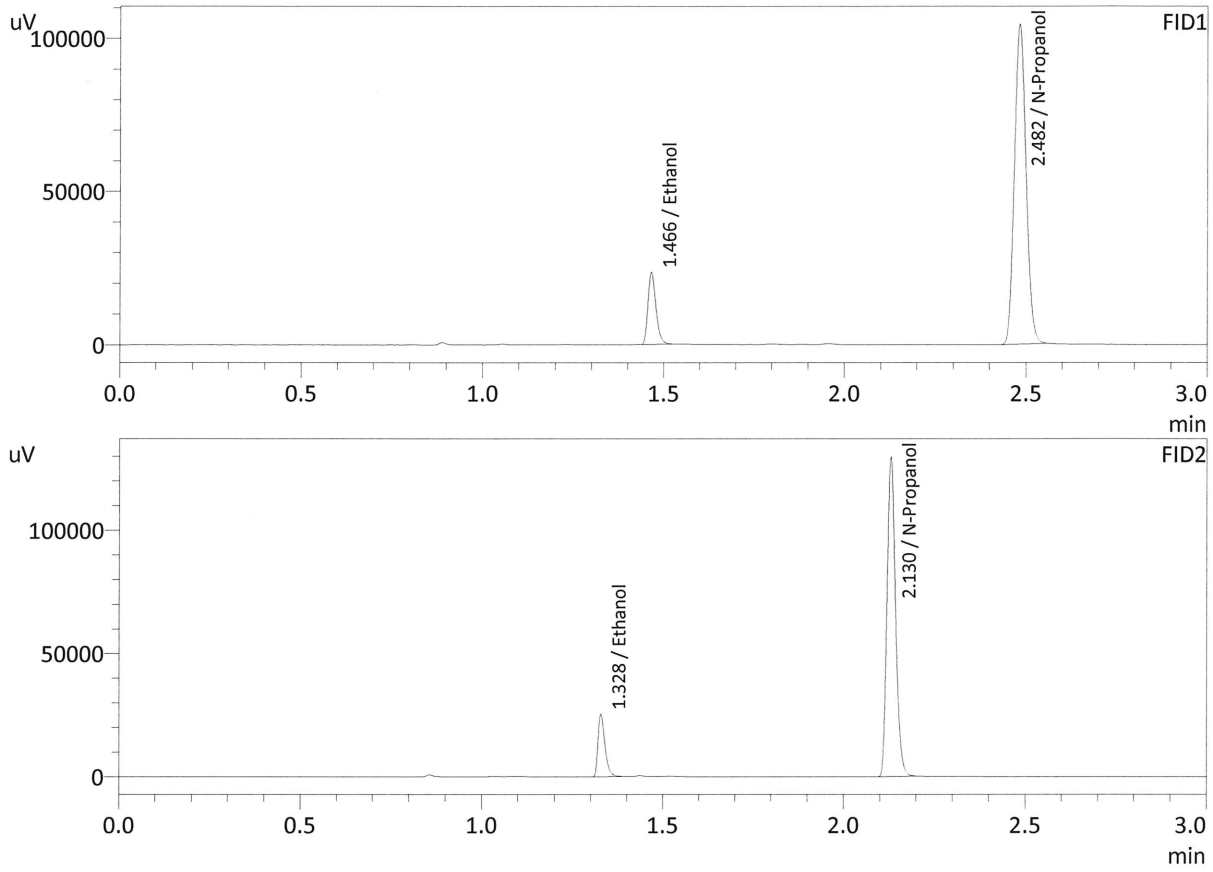
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	38539	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	244114	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	36351	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226351	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 11/26/2021 6:27:05 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

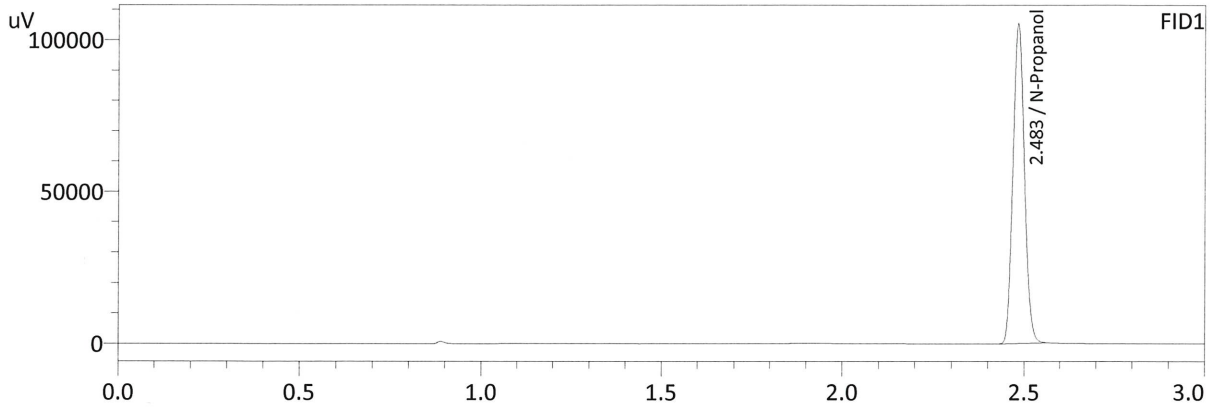
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0779	35914	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230016	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

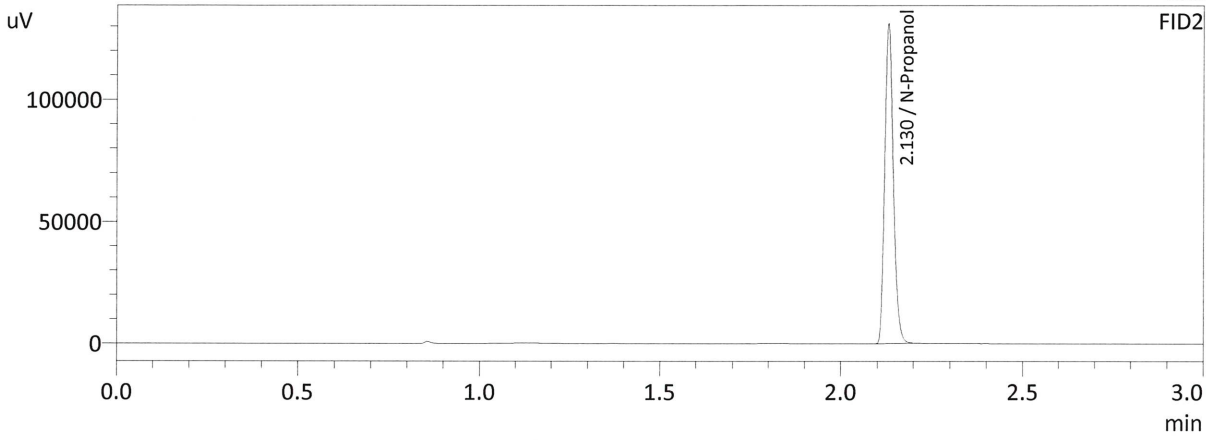
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0776	33820	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213689	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GV

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 11/26/2021 6:34:29 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

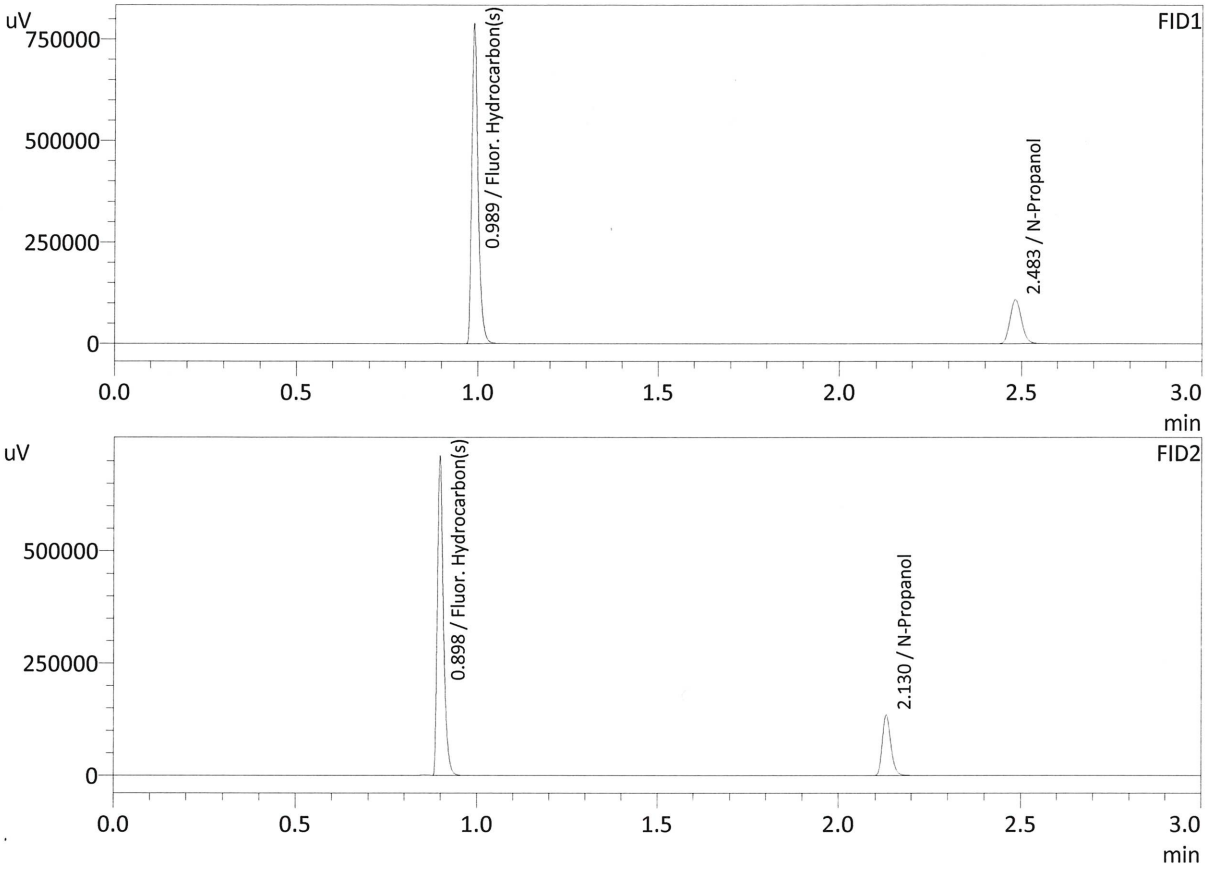
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232249	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216045	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

GS

Sample Name : DFE 111914 OM
Laboratory : Meridian
Injection Date : 11/26/2021 6:42:11 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



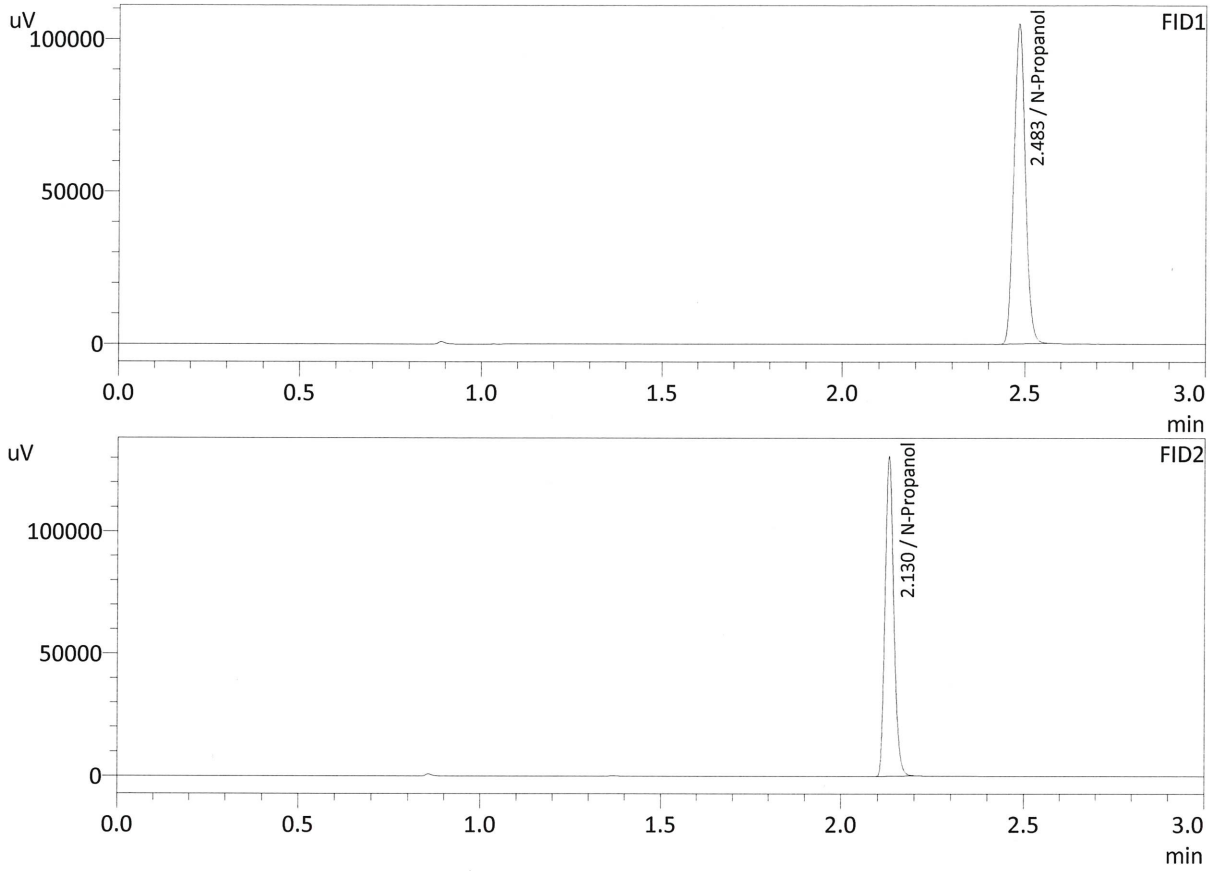
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239685	g/100cc
Fluor. Hydrocarbon(s)	0.0000	937520	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222749	g/100cc
Fluor. Hydrocarbon(s)	0.0000	820053	g/100cc

Sample Name : INT STD BLANK
Laboratory : Meridian
Injection Date : 11/26/2021 6:51:04 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



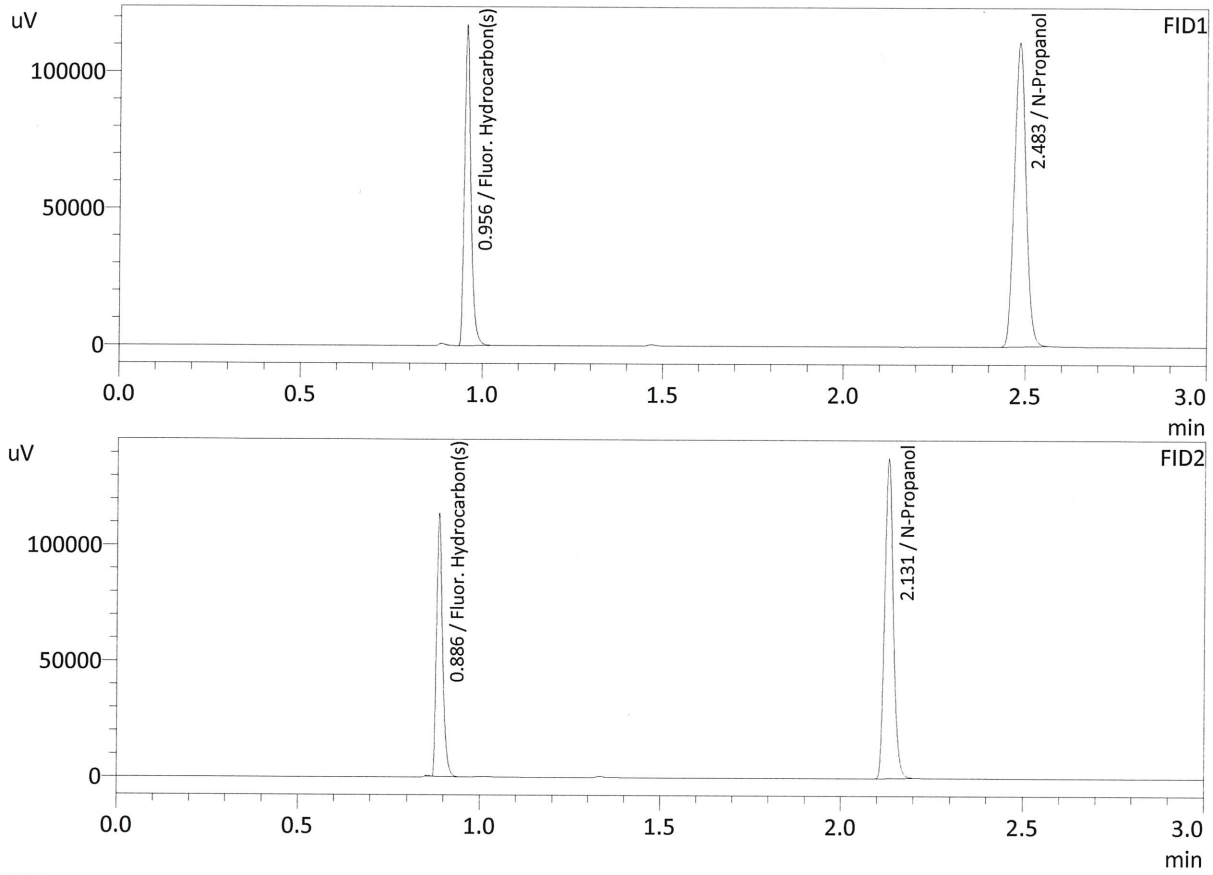
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231508	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	215380	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 11/26/2021 6:58:37 PM
Vial # : 52
Method Filename : C:\LabSolutions\Data\211126\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



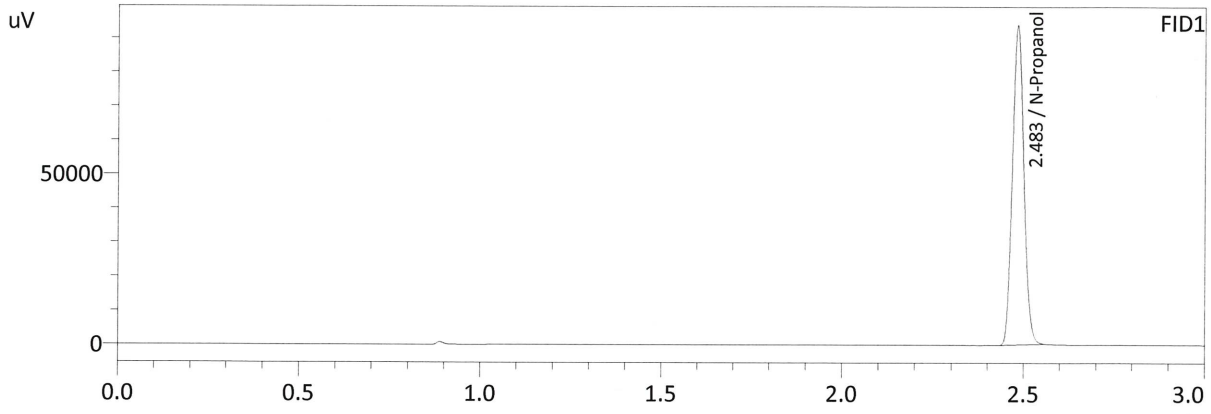
FID1

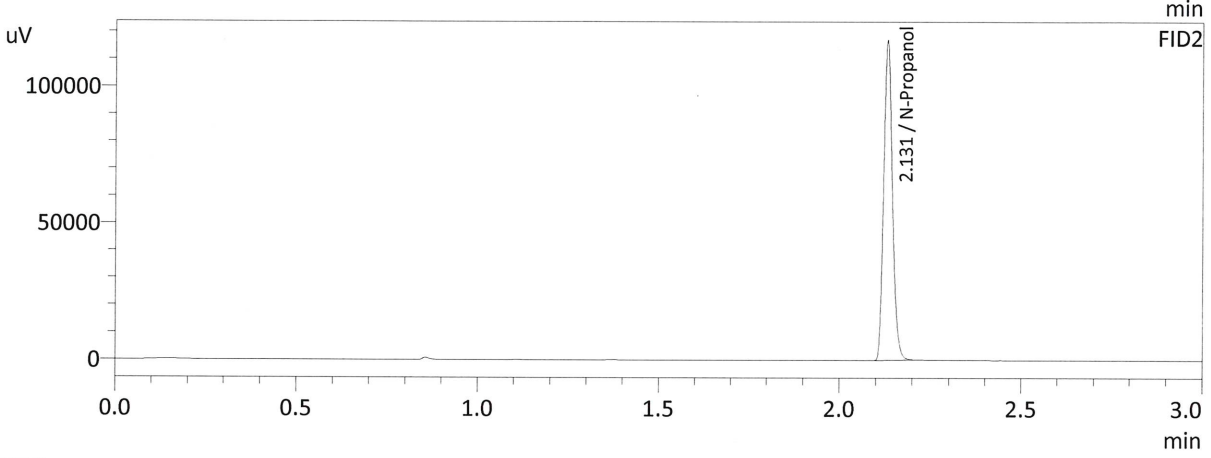
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	245141	g/100cc
Fluor. Hydrocarbon(s)	0.0000	142175	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228022	g/100cc
Fluor. Hydrocarbon(s)	0.0000	131387	g/100cc

Sample Name : INT STD BLNK
Laboratory : Meridian
Injection Date : 11/26/2021 7:07:00 PM
Vial # : 53
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	207045	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	193238	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc