7/18/2022

Worklist: 6031

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-2772	1	BCK	Alcohol Analysis
M2022-2776	1	BCK	Alcohol Analysis
M2022-2777	1	BCK	Alcohol Analysis
M2022-2803	1	BCK	Alcohol Analysis
M2022-2804	1	BCK	Alcohol Analysis
M2022-2806	1	BCK	Alcohol Analysis
M2022-2809	1	BCK	Alcohol Analysis
M2022-2811	1	BCK	Alcohol Analysis
M2022-2812	1	BCK	Alcohol Analysis
M2022-2835	1	BCK	Alcohol Analysis
M2022-2836	1	BCK	Alcohol Analysis
M2022-2882	1	BCK	Alcohol Analysis
M2022-2883	1	BCK	Alcohol Analysis
M2022-2884	1	BCK	Alcohol Analysis
M2022-2914	1	BCK	Alcohol Analysis
P2022-1115	1	BCK	Alcohol Analysis
P2022-2107	1	BCK	Alcohol Analysis

REVIEWED
By Rachel Cutler at 2:33 pm, Jul 18, 2022

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):** 7/15/2022 | **Calibration Date:** 7/7/2022 | **Worklist #:** 6031

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0738 g/100cc
					0.0788 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2098 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	0731/22	Lot #	FN07101701 - OK	
Curve Fit:	Column 1	0.99926	Column2	0.99927	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0533	0.0532	0.0001	0.0532
100	0.100	0.090 - 0.110	0.0992	0.0991	0.0001	0.0991
200	0.200	0.180 - 0.220	0.2013	0.2014	1E-04	0.2013
300	0.300	0.270 - 0.330	0.2920	0.2920	0	0.292
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5040	0.5040	0	0.504

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.083 g/100cc

Internal Standard Monitoring Worksheet

Worklist #:	6031	Run Date(s):	7/15/2022

Internal Standard Solution:	Prep Date: 5/13/2022	Exp Date: 11/13/2022

Sample Name	Column 1 Value	Column 2 Value
0.080	220902	241166
0.080	222561	242800
QC1	212648	231883
QC1	213164	232627
QC1	248874	271681
QC1	260152	283779
QC1		
QC1		
QC2	235265	256841
QC2	242953	265325
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	232064.9	185651.9	278477.9
Column 2	253262.8	202610.2	303915.3

Meridian Blood Alcohol Analysis Batch Table

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

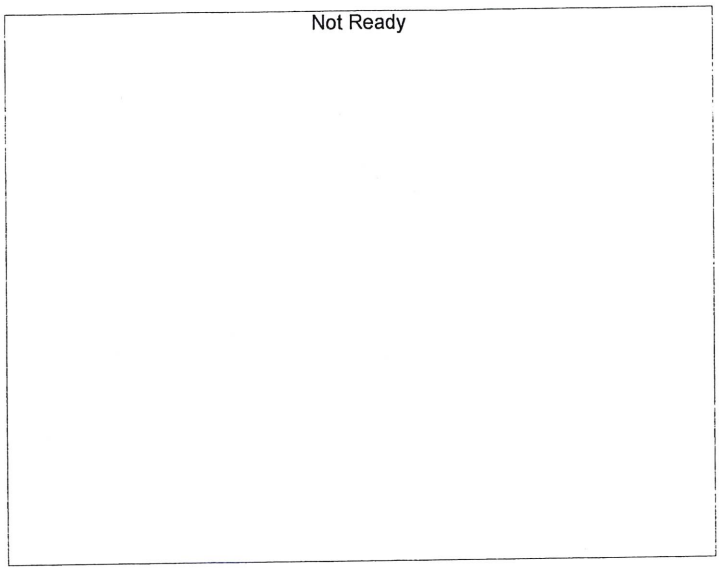
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL.GCM
2	0.100	1:Standard	2	ALCOHOL.GCM
3	0.200	1:Standard	3	ALCOHOL.GCM
4	0.300	1:Standard	4	ALCOHOL.GCM
5	0.500	1:Standard	5	ALCOHOL.GCM
6	INT STD BLK	0:Unknown	0	ALCOHOL.GCM

W

Calibration Table

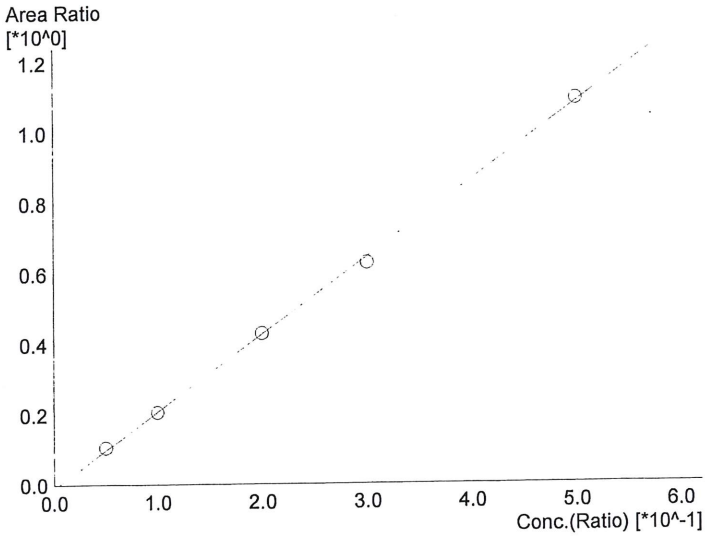
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\220707\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :7/7/2022 10:57:42 AM
Date Created :7/7/2022 10:53:24 AM
Date Modified :7/7/2022 11:00:44 AM



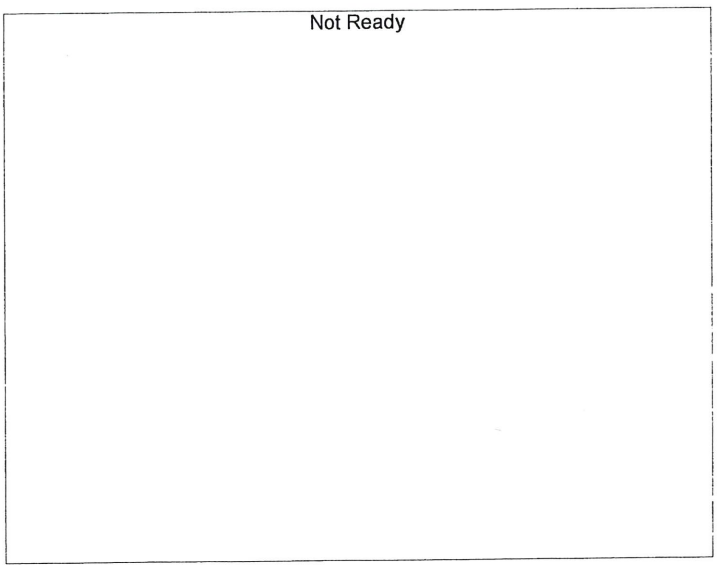
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



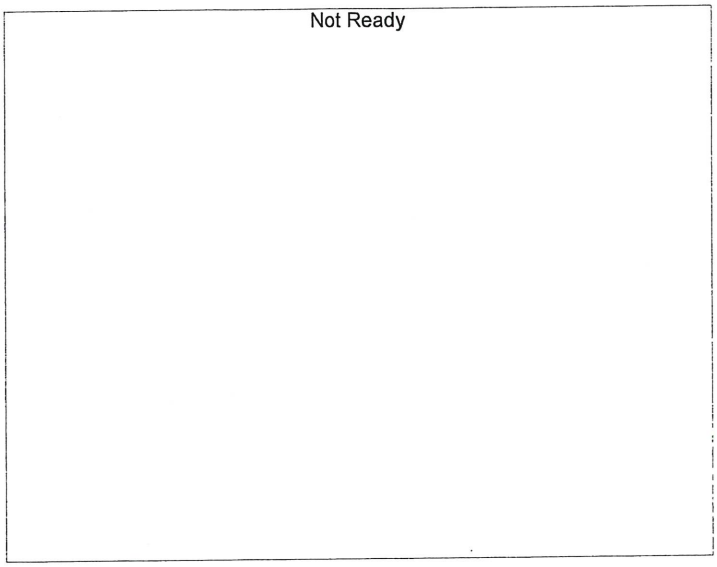
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.18761*x-0.0116685
R^2 value= 0.9992662
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22291	0.0533
2	0.100	40792	0.0992
3	0.200	87857	0.2013
4	0.300	124572	0.2920
5	0.500	226781	0.5040



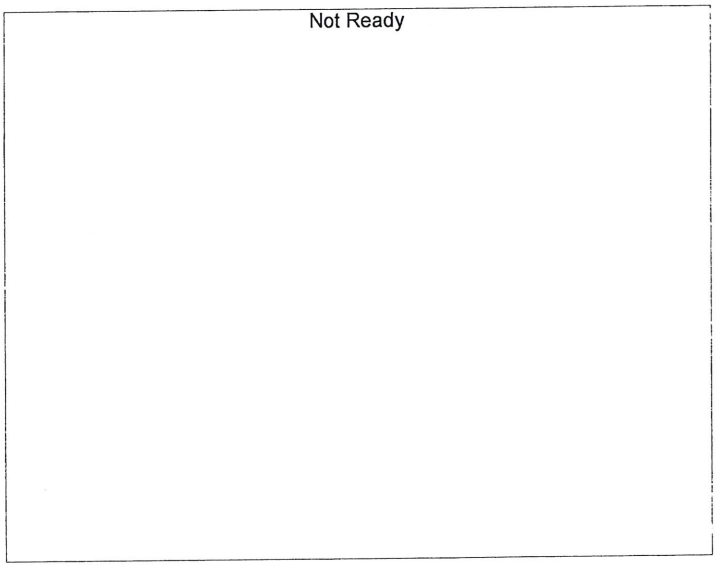
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

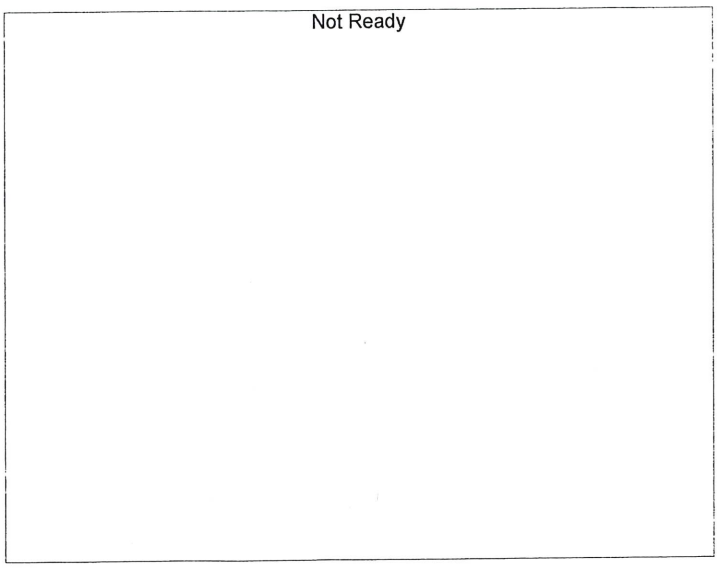
#	Conc.	Area	Std. Conc.



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

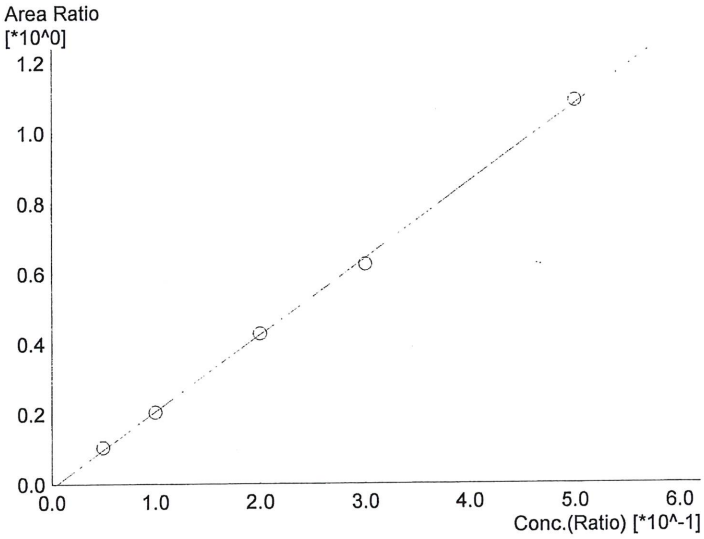
#	Conc.	Area	Std. Conc.

W



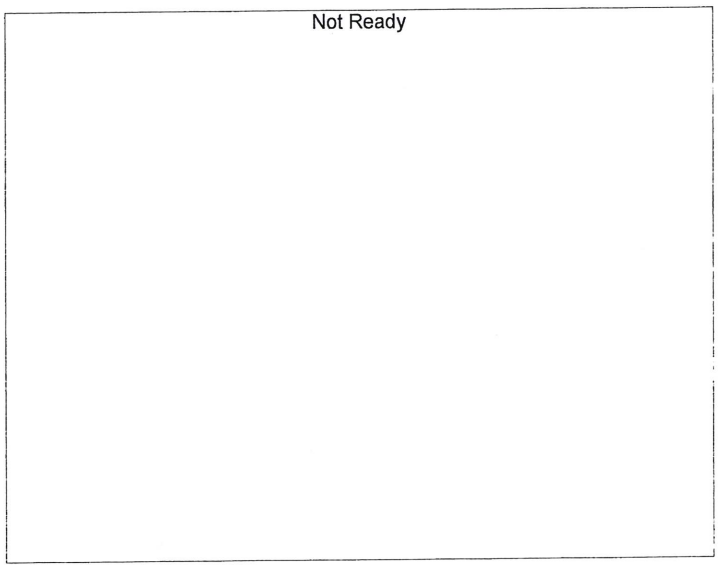
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



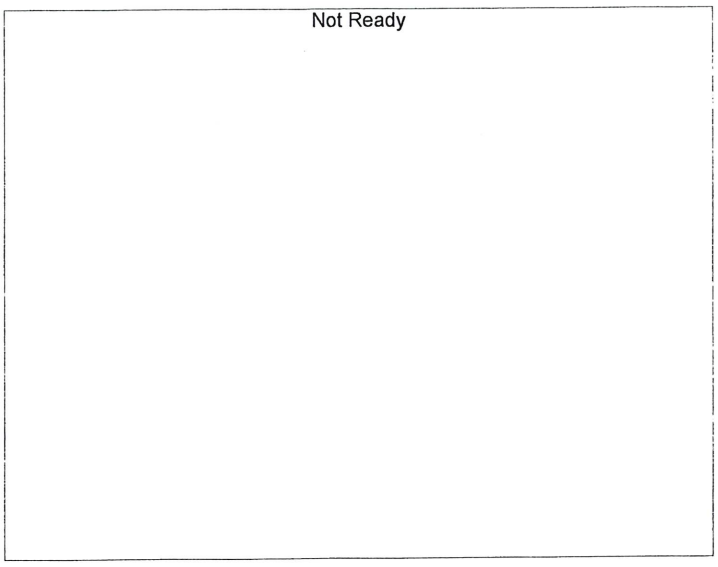
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.18167*x-0.0123500
R^2 value= 0.9992741
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	24068	0.0532
2	0.100	44121	0.0991
3	0.200	95406	0.2014
4	0.300	135108	0.2920
5	0.500	245920	0.5040



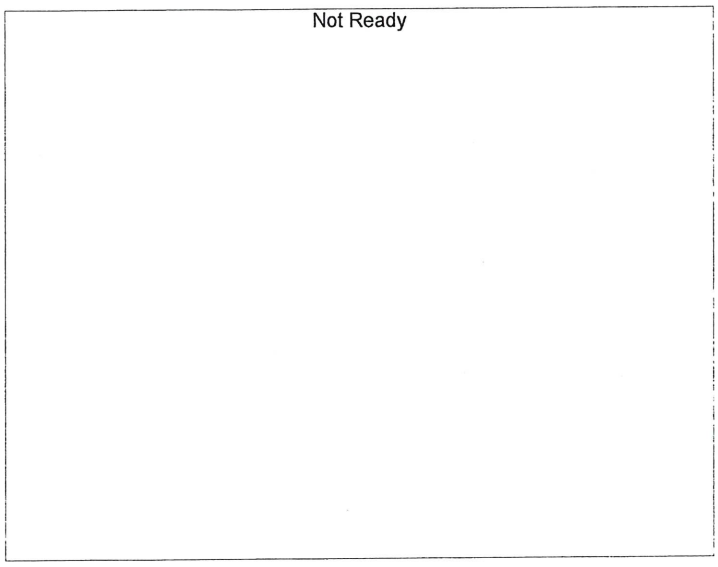
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

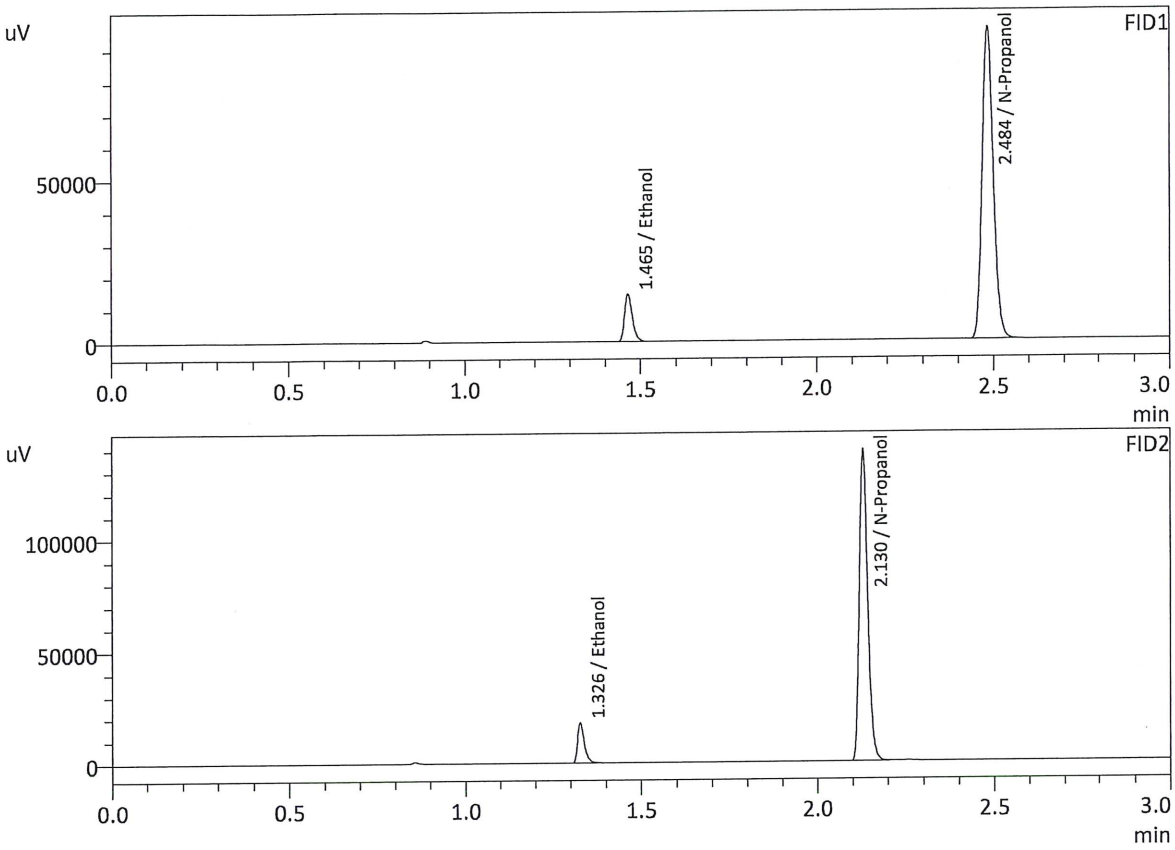
#	Conc.	Area	Std. Conc.



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.

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 7/7/2022 10:26:41 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

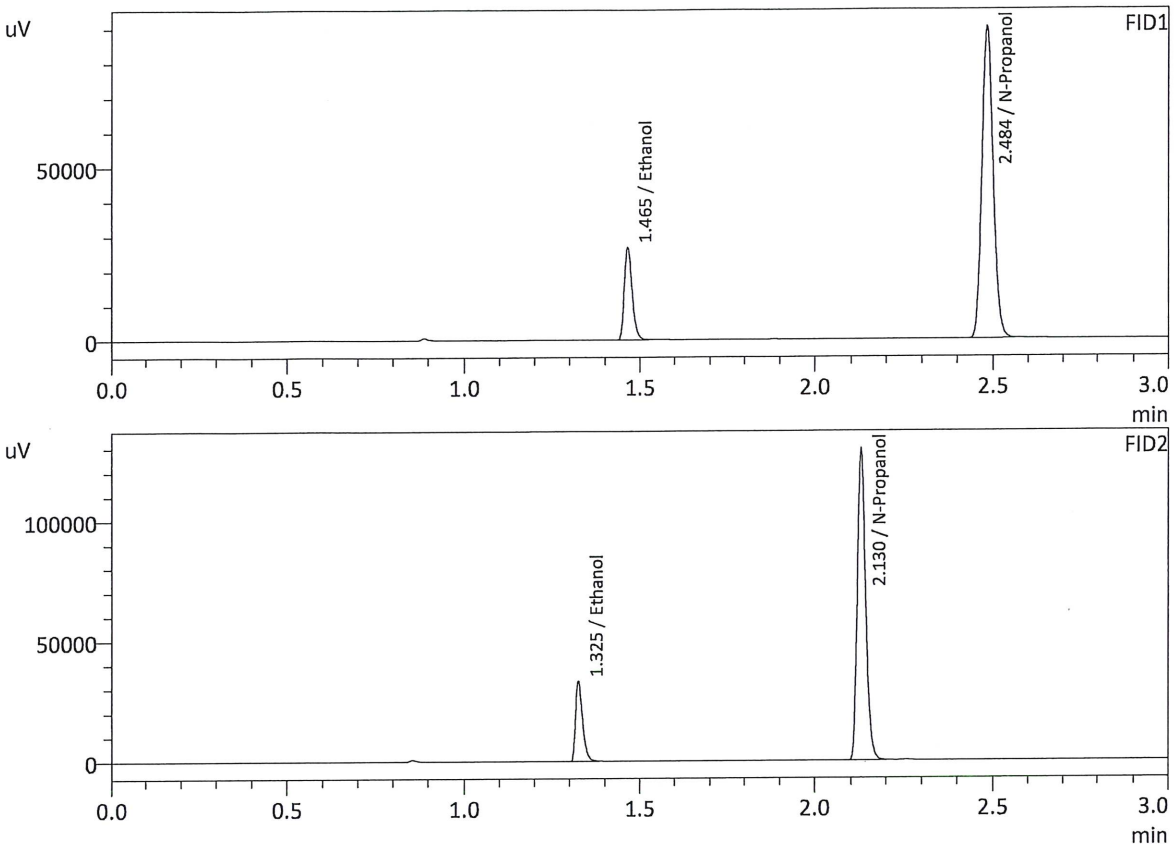
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0533	22291	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212342	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0532	24068	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231602	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/7/2022 10:34:02 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

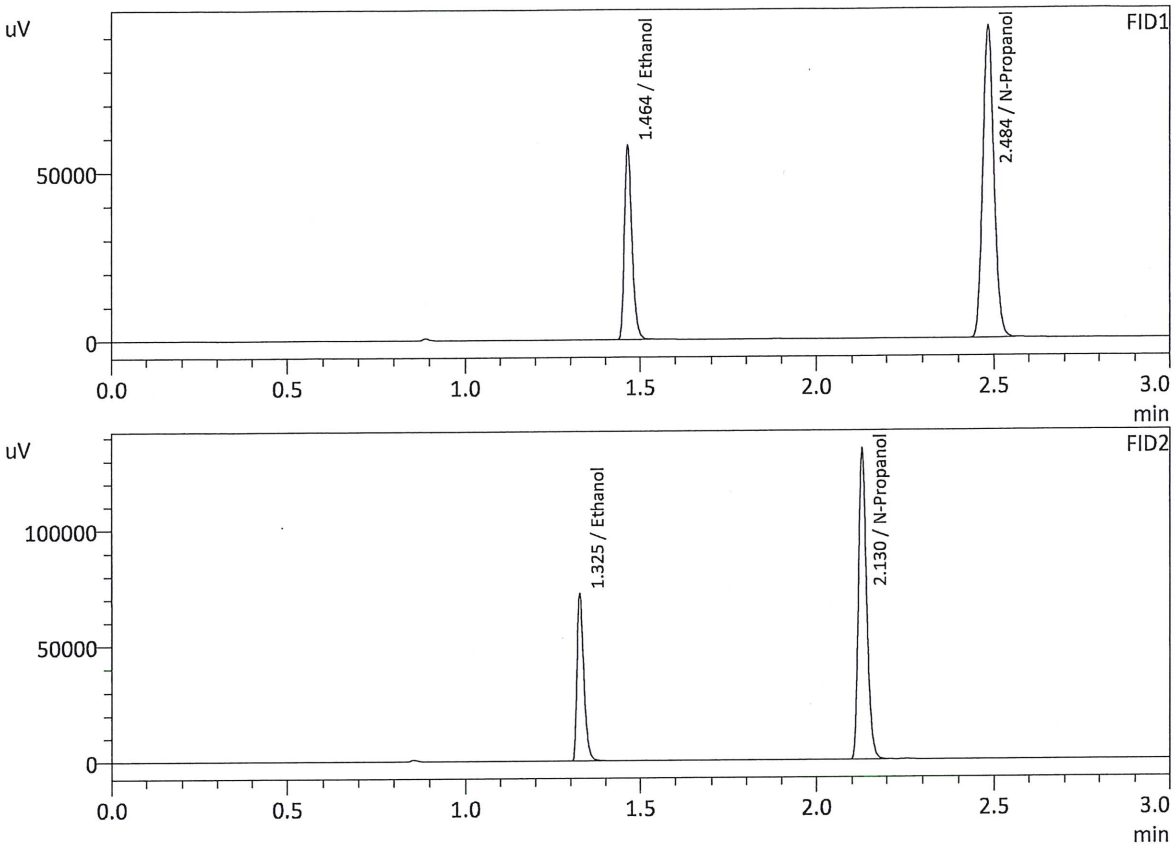
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	40792	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198507	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0991	44121	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216209	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 7/7/2022 10:41:20 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



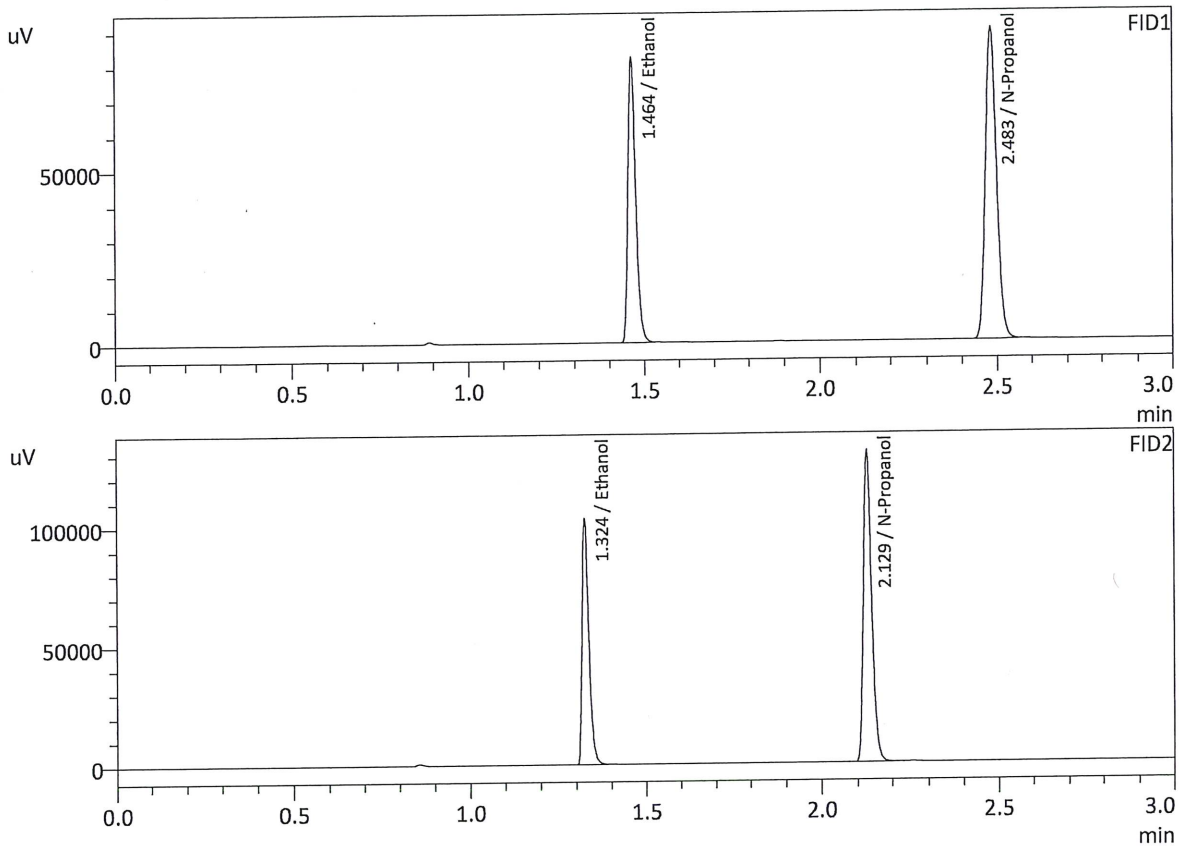
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2013	87857	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204913	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2014	95406	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223379	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/7/2022 10:50:17 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

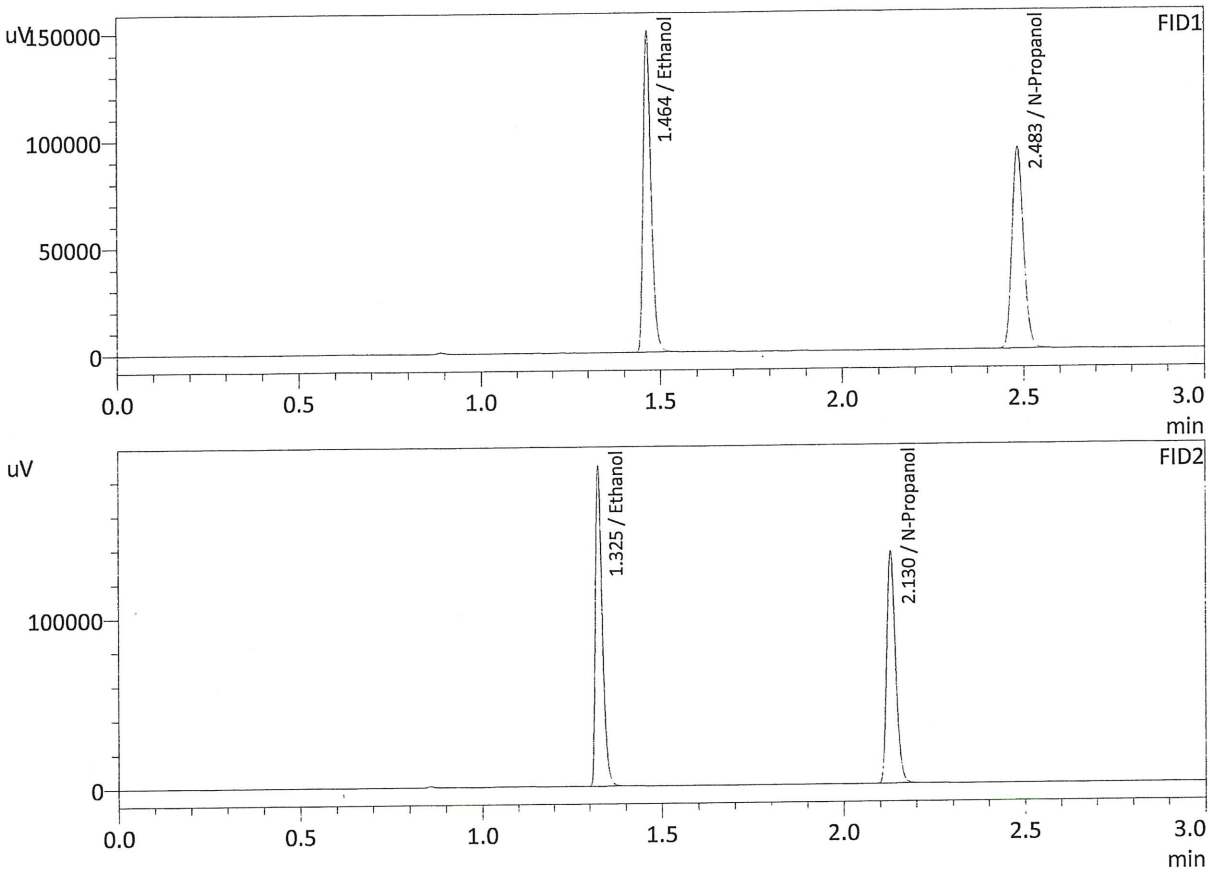
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2920	124572	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198643	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2920	135108	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216239	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 7/7/2022 10:57:42 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

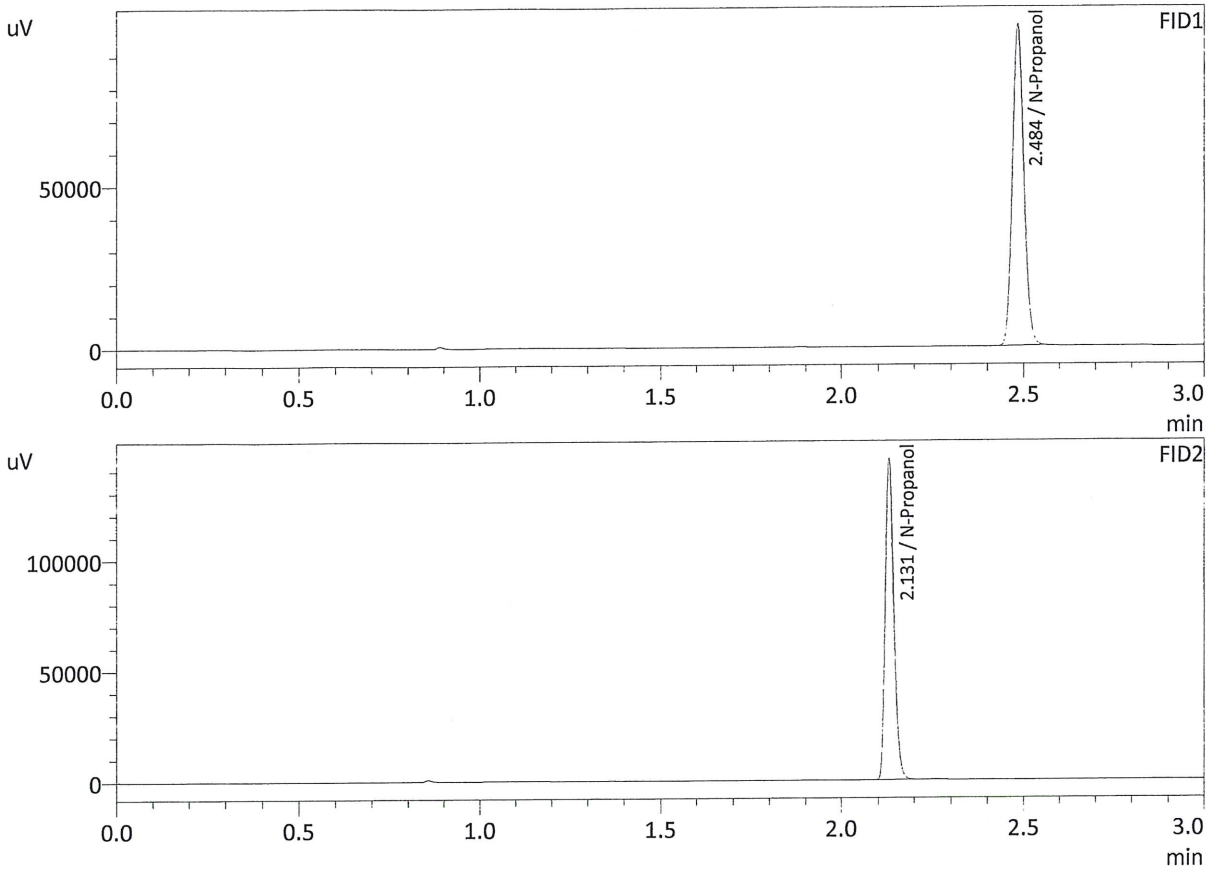
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5040	226781	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5040	245920	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226180	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/7/2022 11:06:15 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220707\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	218752	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	238791	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

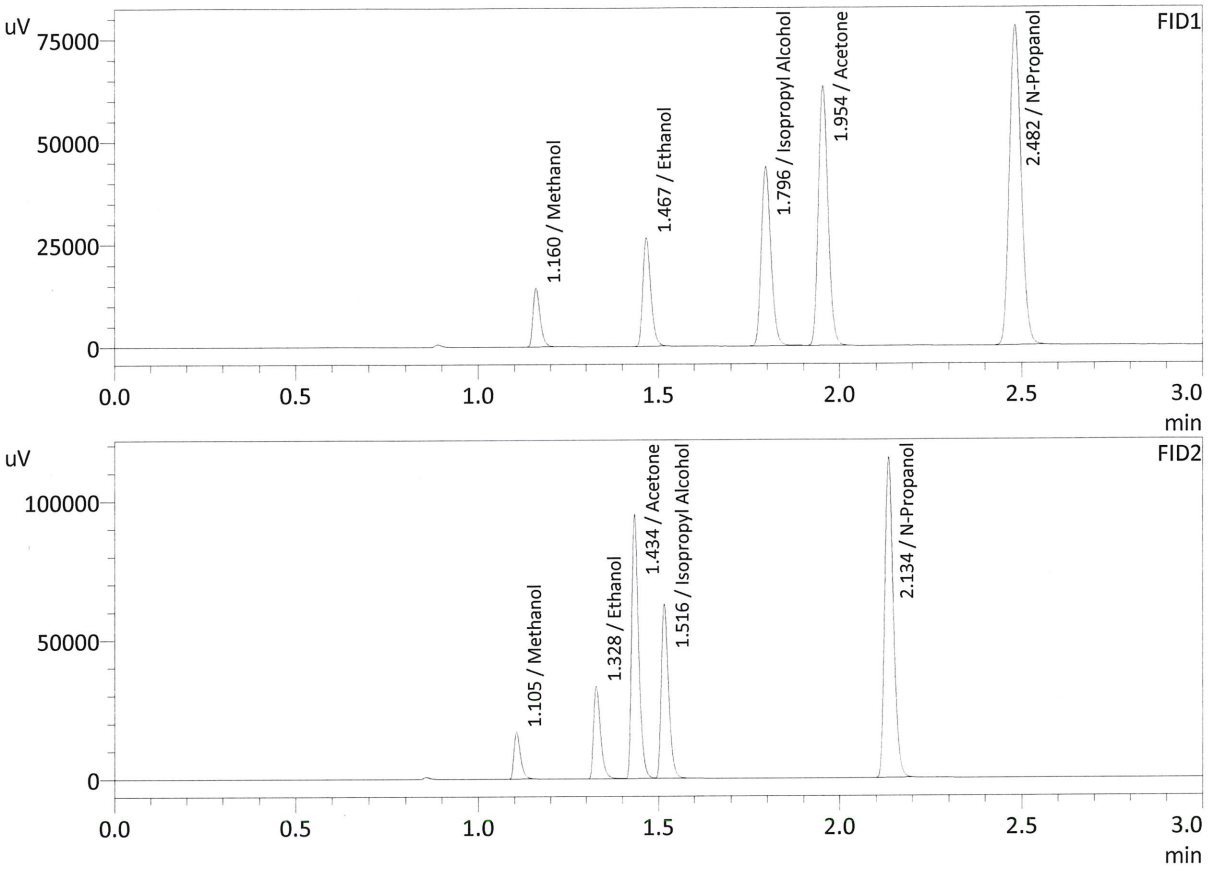
W

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	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
7	M2022-2772-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
8	M2022-2772-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
9	M2022-2776-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
10	M2022-2776-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
11	M2022-2777-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
12	M2022-2777-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
13	M2022-2803-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
14	M2022-2803-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
15	M2022-2804-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
16	M2022-2804-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
17	M2022-2806-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
18	M2022-2806-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
19	M2022-2809-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
20	M2022-2809-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
21	M2022-2811-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
22	M2022-2811-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
23	M2022-2812-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
24	M2022-2812-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
27	M2022-2835-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
28	M2022-2835-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
29	M2022-2836-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
30	M2022-2836-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
31	M2022-2882-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
32	M2022-2882-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
33	M2022-2883-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
34	M2022-2883-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
35	M2022-2884-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
36	M2022-2884-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
37	M2022-2914-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
38	M2022-2914-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
39	P2022-1115-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
40	P2022-1115-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
41	P2022-2107-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
42	P2022-2107-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
43	QC1-2-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
44	QC1-2-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
45	INT STD BLK 2	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
46	DFE 1119140 M	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
47	INT STD BLK 3	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
48	TFE 11914	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
49	INT STD BLK	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 7/15/2022 2:28:35 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	19521	g/100cc
Ethanol	0.1121	40711	g/100cc
Isopropyl Alcohol	0.0000	81450	g/100cc
Acetone	0.0000	118040	g/100cc
N-Propanol	0.0000	174233	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	21240	g/100cc
Ethanol	0.1127	44421	g/100cc
Acetone	0.0000	128813	g/100cc
Isopropyl Alcohol	0.0000	88306	g/100cc
N-Propanol	0.0000	190207	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QA 0.08 **Item #** **Analysis Date(s): 7/15/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0837	0.0001	0.0836	0.0011	0.0830
(g/100cc)	0.0825	0.0825	0.0000	0.0825		

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%**

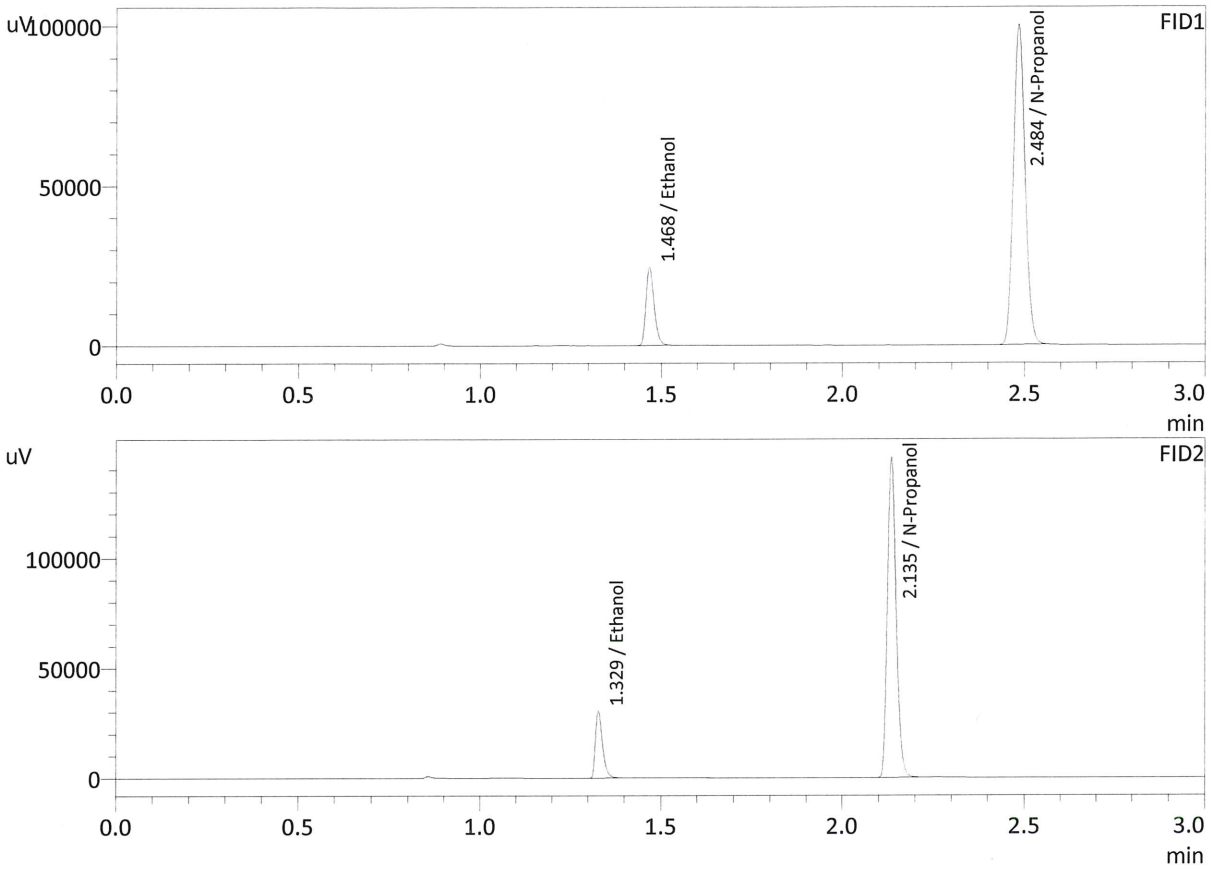
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	**0.078**	**0.088**	**0.005**

Reported Result

0.083

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 7/15/2022 2:52:29 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



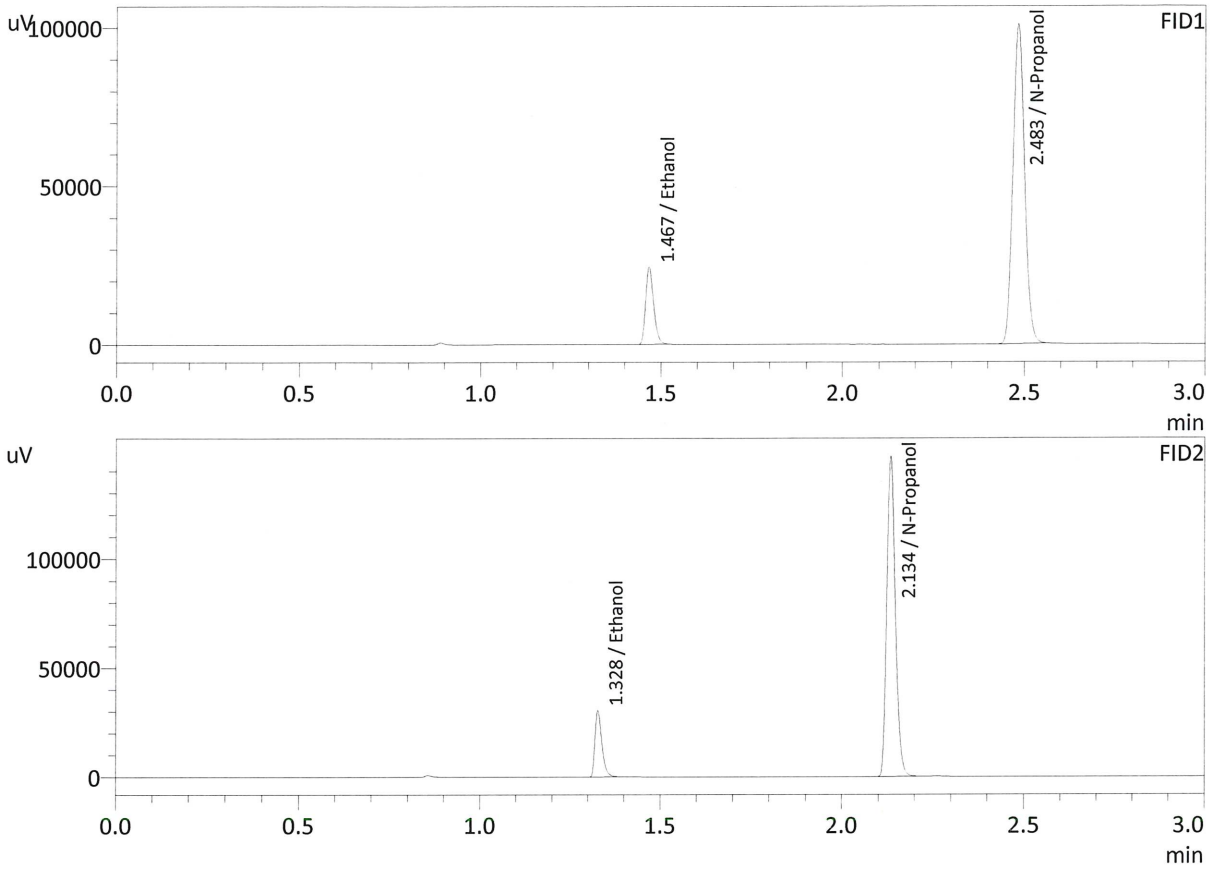
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	37839	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220902	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	41112	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241166	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/15/2022 3:00:55 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0825	37603	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222561	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0825	40711	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242800	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 7/15/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0732	0.0733	0.0001	0.0732	0.0013	0.0738
(g/100cc)	0.0745	0.0745	0.0000	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%**

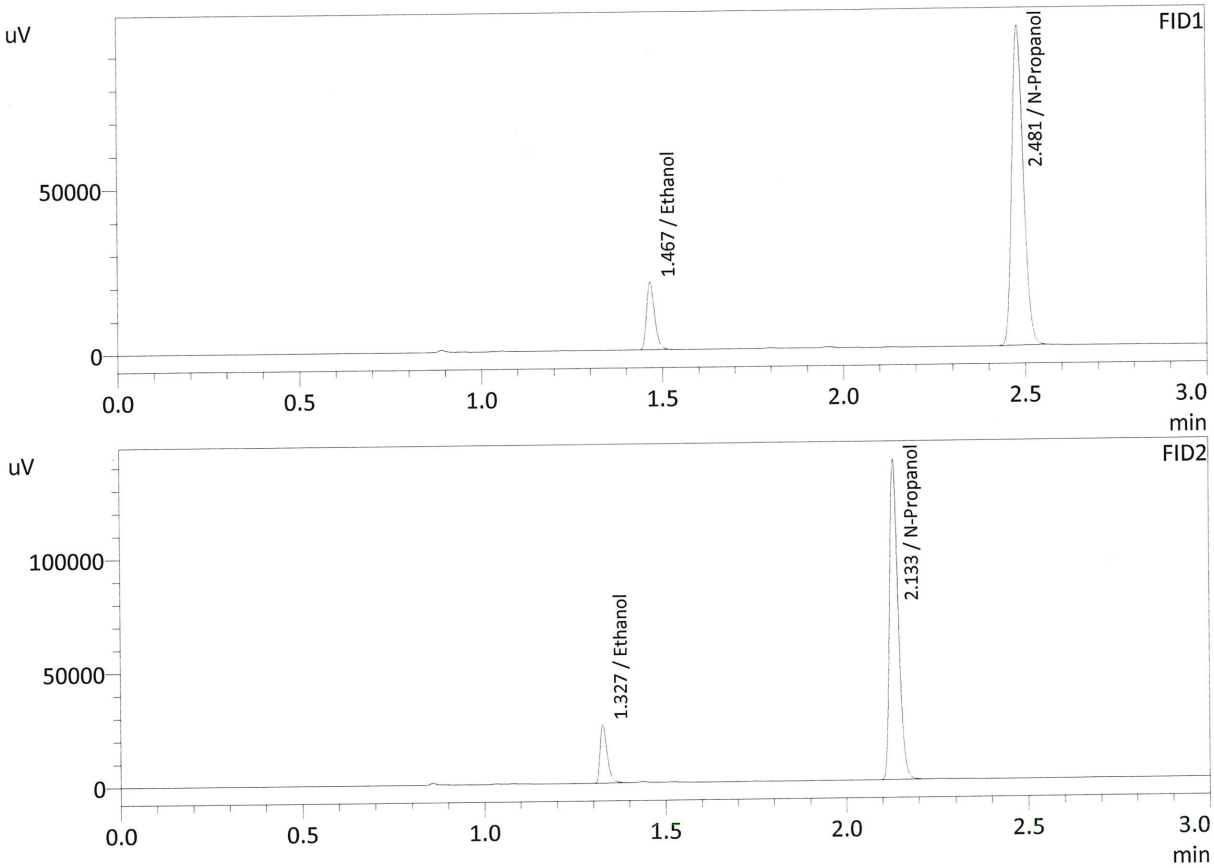
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	**0.069**	**0.077**	**0.004**

Reported Result

0.073

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 7/15/2022 2:35:53 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



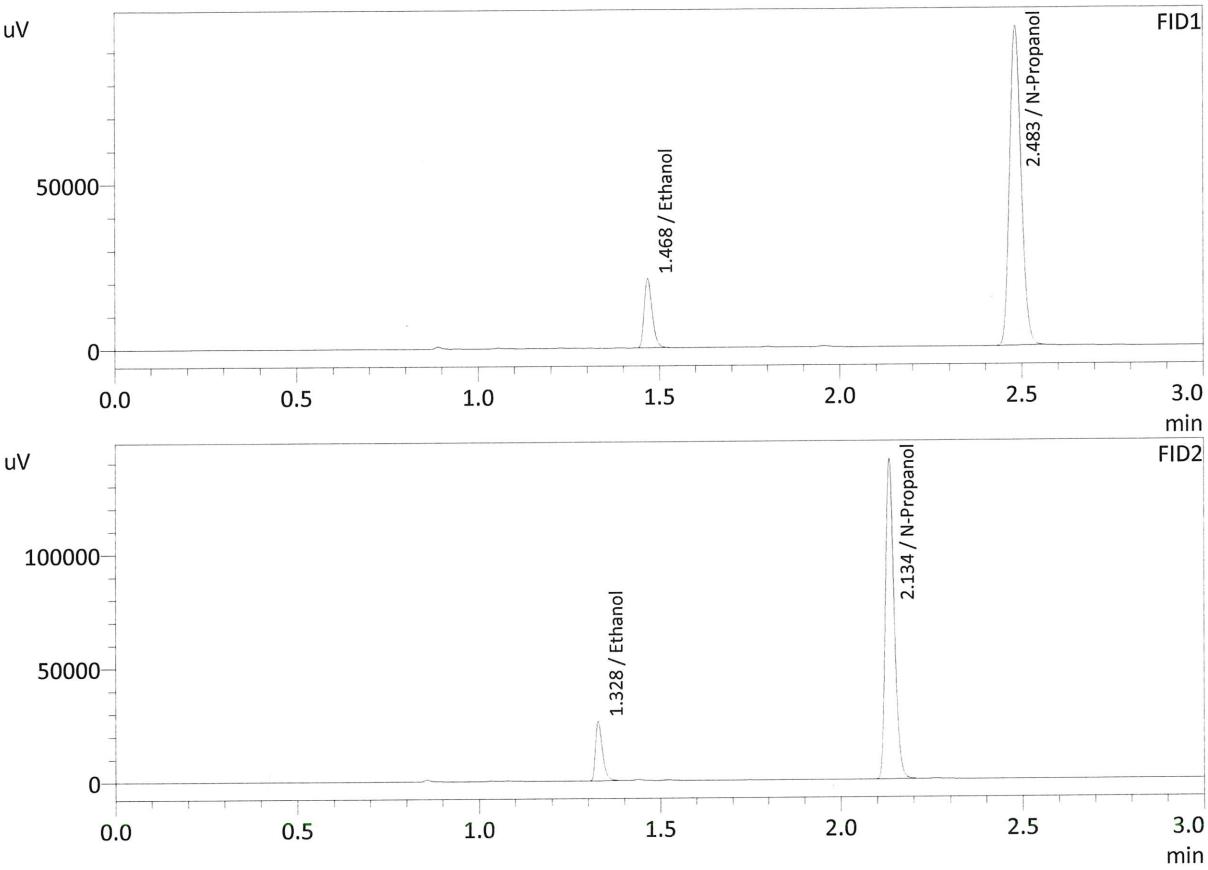
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0732	31611	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212648	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0733	34237	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231883	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/15/2022 2:44:48 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0745	32270	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213164	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0745	34955	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232627	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.:QC 1-2 **Item #** **Analysis Date(s): 7/15/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0791	0.0001	0.0791	0.0006	0.0788
(g/100cc)	0.0784	0.0787	0.0003	0.0785		

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

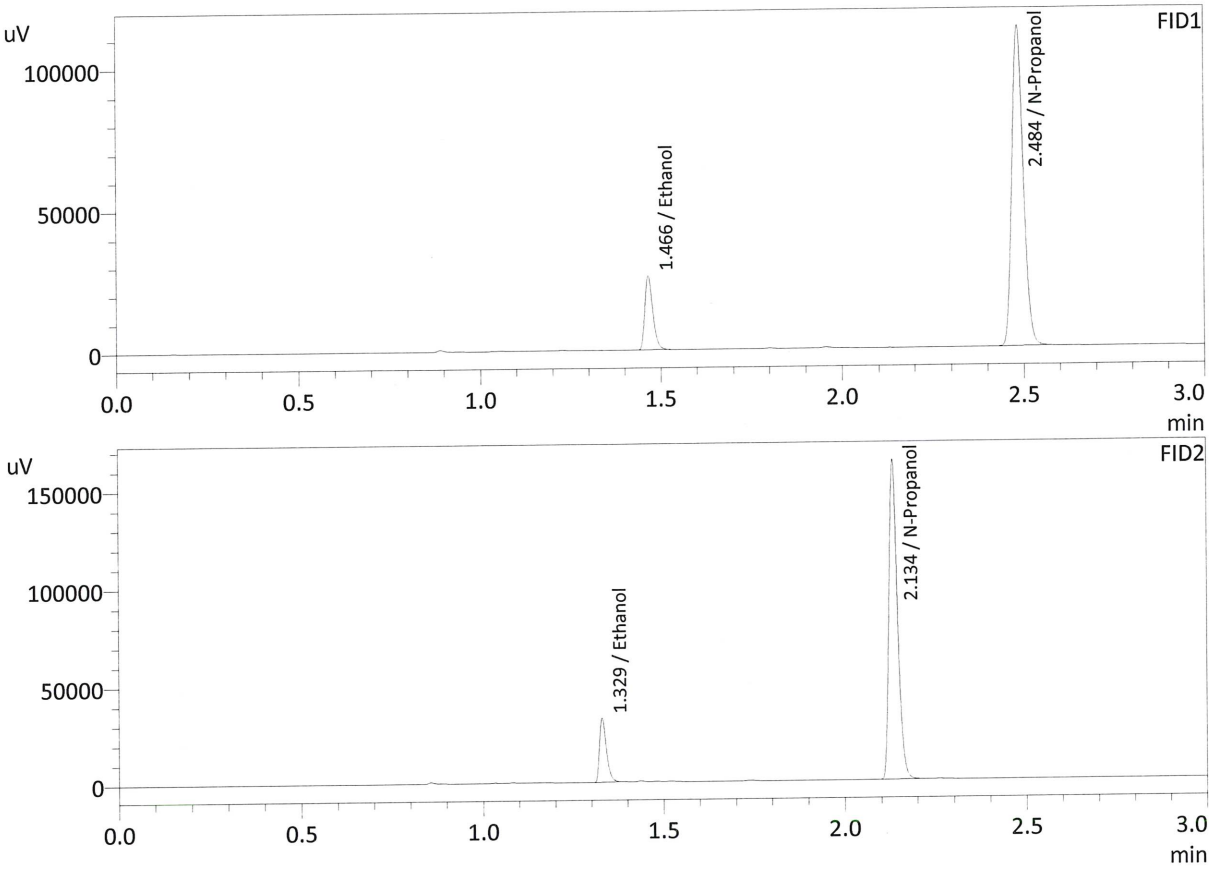
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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 : 7/15/2022 7:55:07 PM
Vial # : 43
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



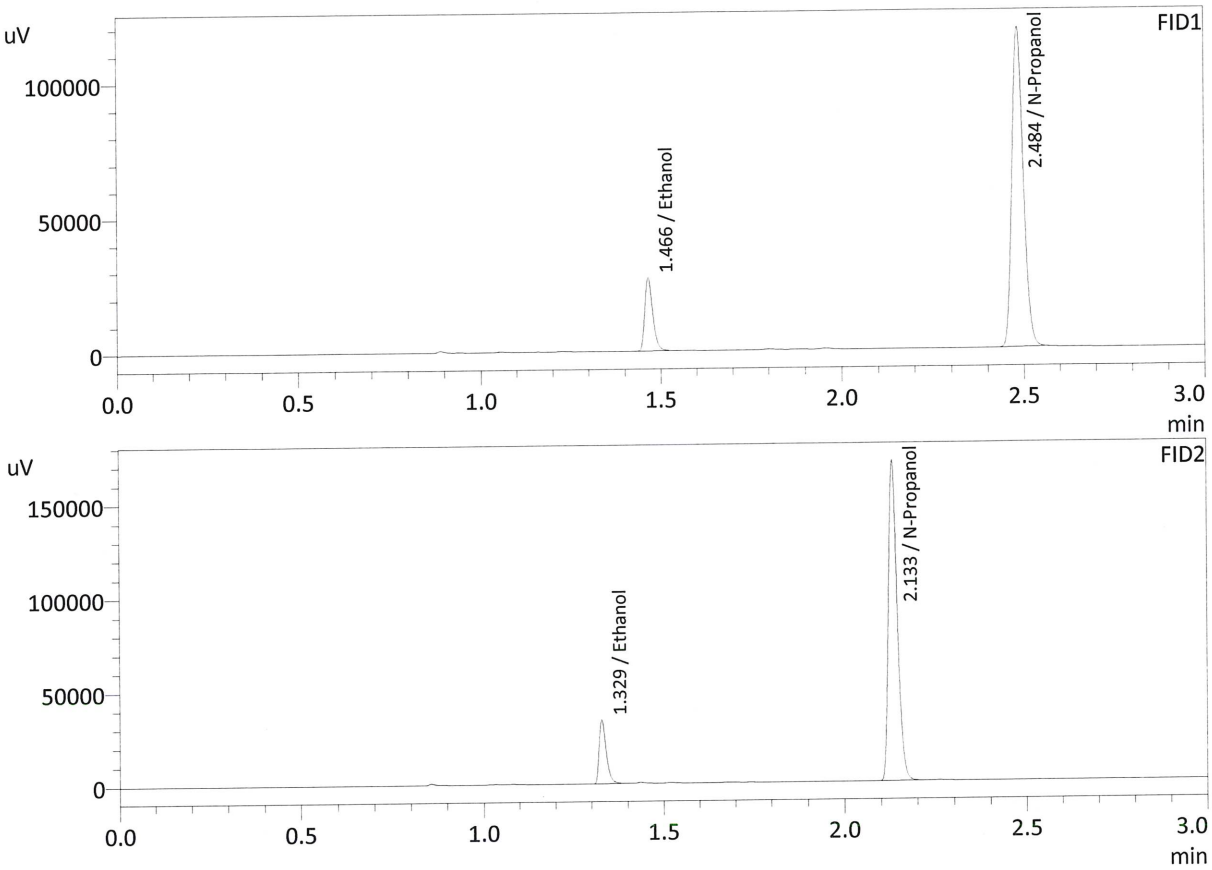
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	40251	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248874	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	43582	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	271681	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/15/2022 8:02:39 PM
Vial # : 44
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0784	41595	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	260152	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	45235	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	283779	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 7/15/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2086	0.2086	0.0000	0.2086	0.0025	0.2098
(g/100cc)	0.2111	0.2112	0.0001	0.2111		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

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

Reporting of Results

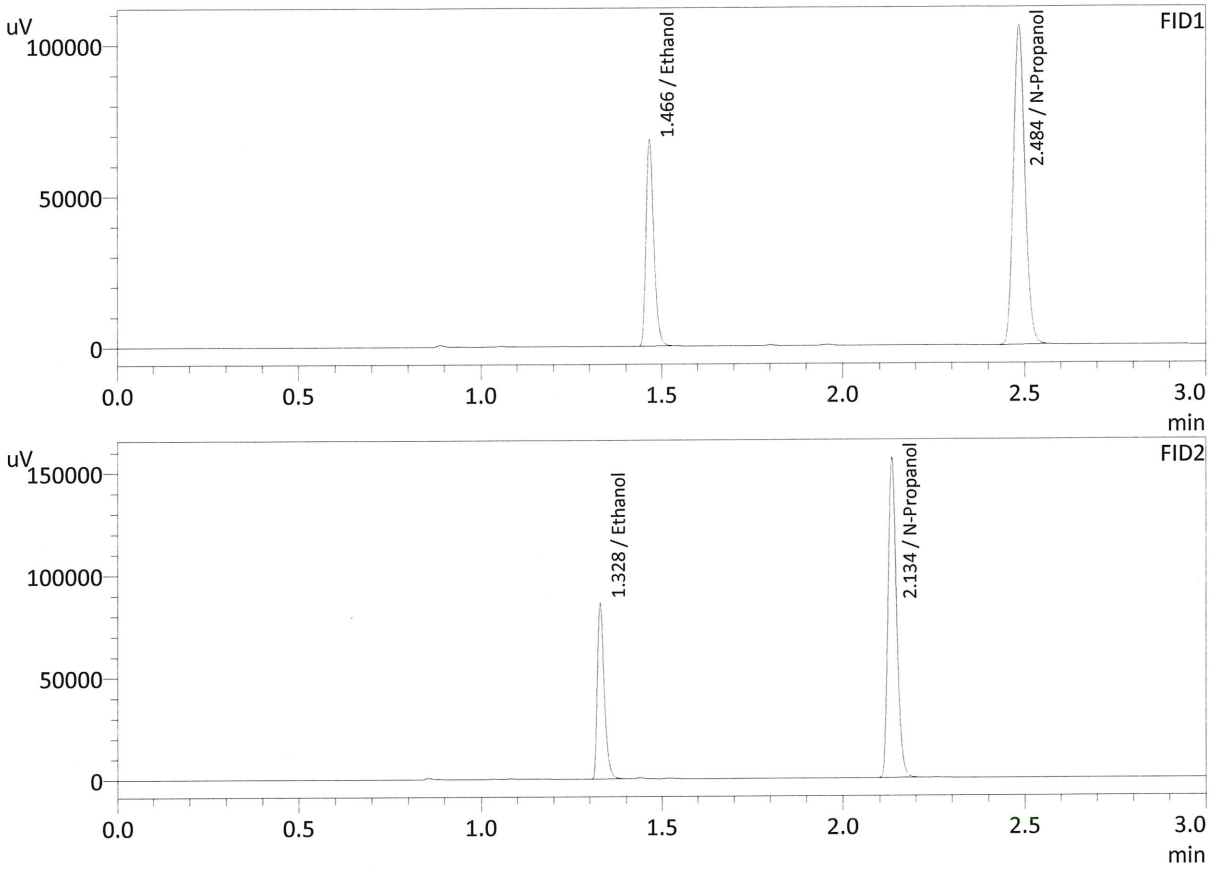
Uncertainty of Measurement (UM%): 5.00%

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

Reported Result
0.209

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 7/15/2022 5:32:07 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



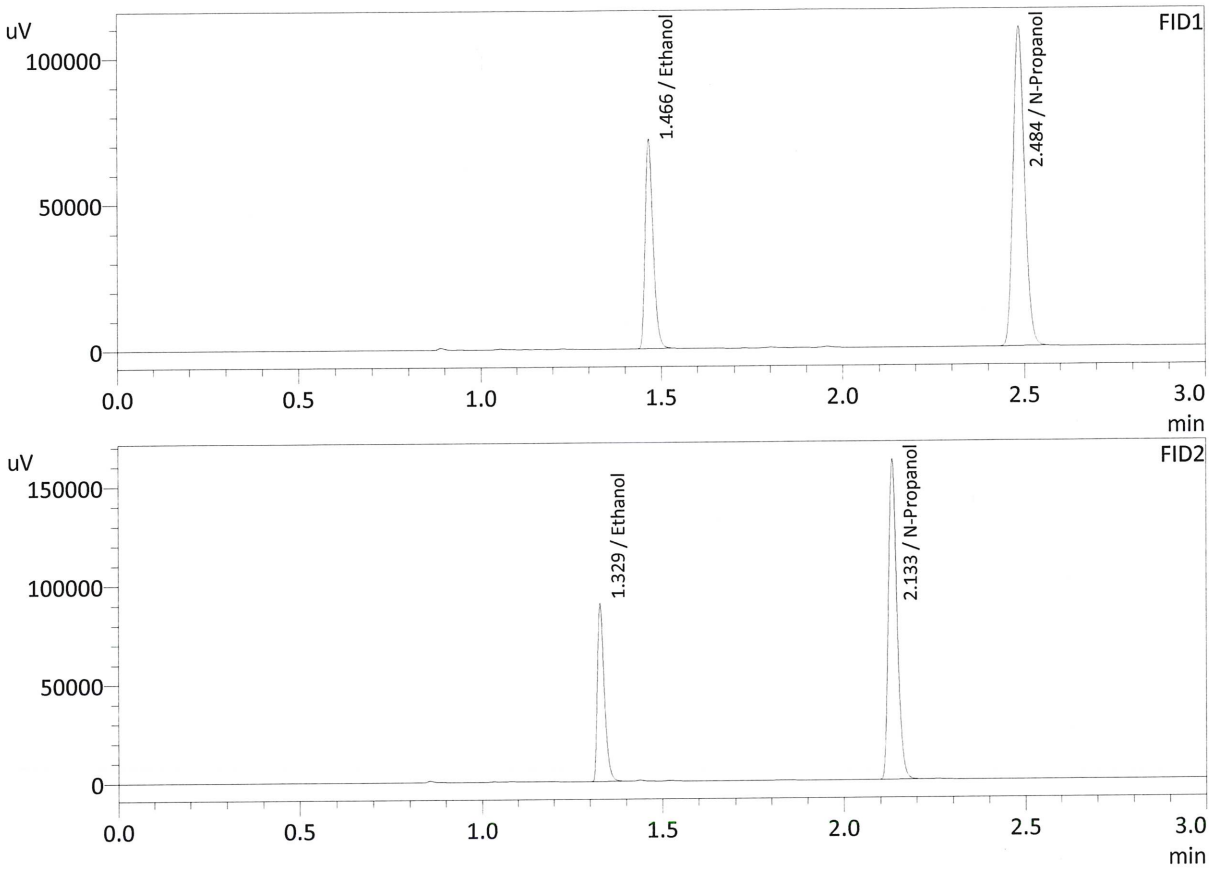
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2086	104623	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235265	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2086	113756	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256841	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/15/2022 5:39:31 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



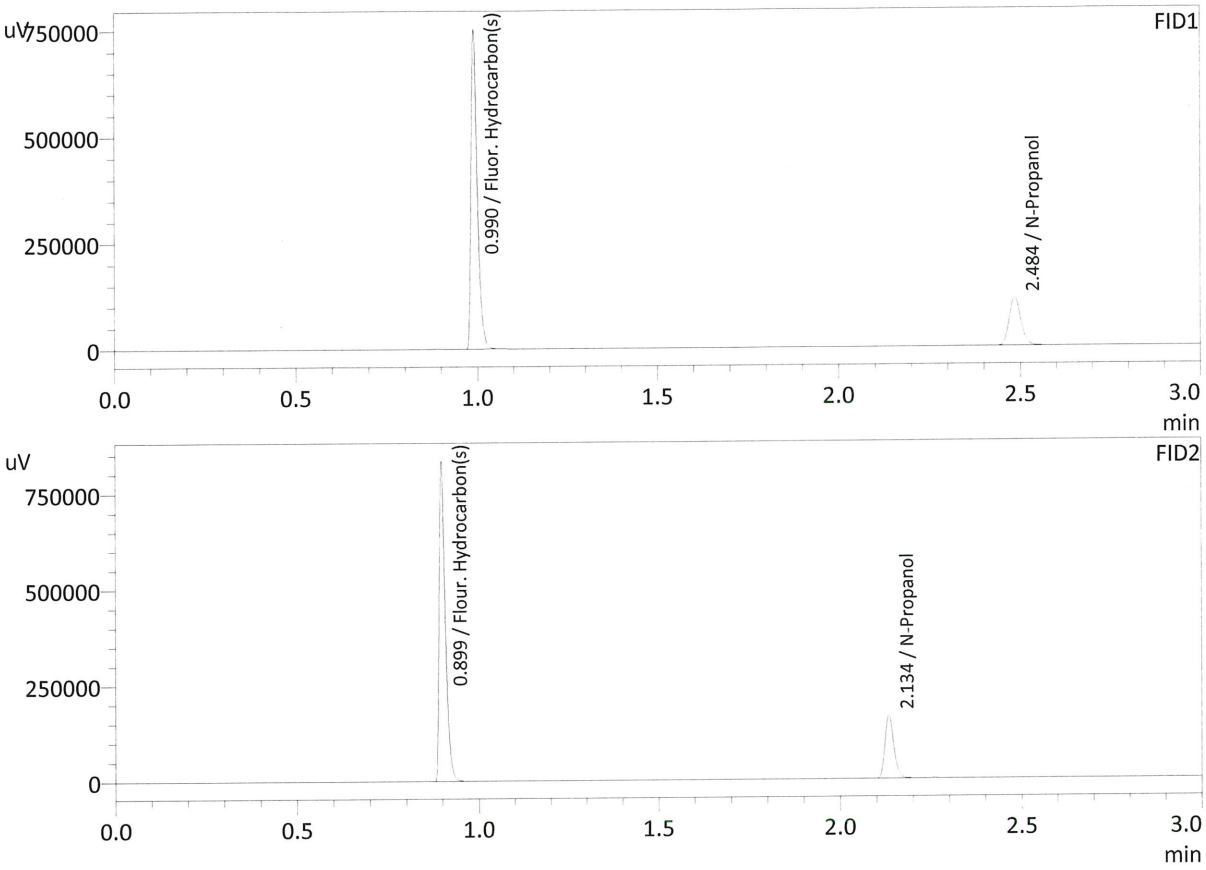
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2111	109414	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	242953	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2112	118983	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	265325	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 1119140 M
Laboratory : Meridian
Injection Date : 7/15/2022 8:19:12 PM
Vial # : 46
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



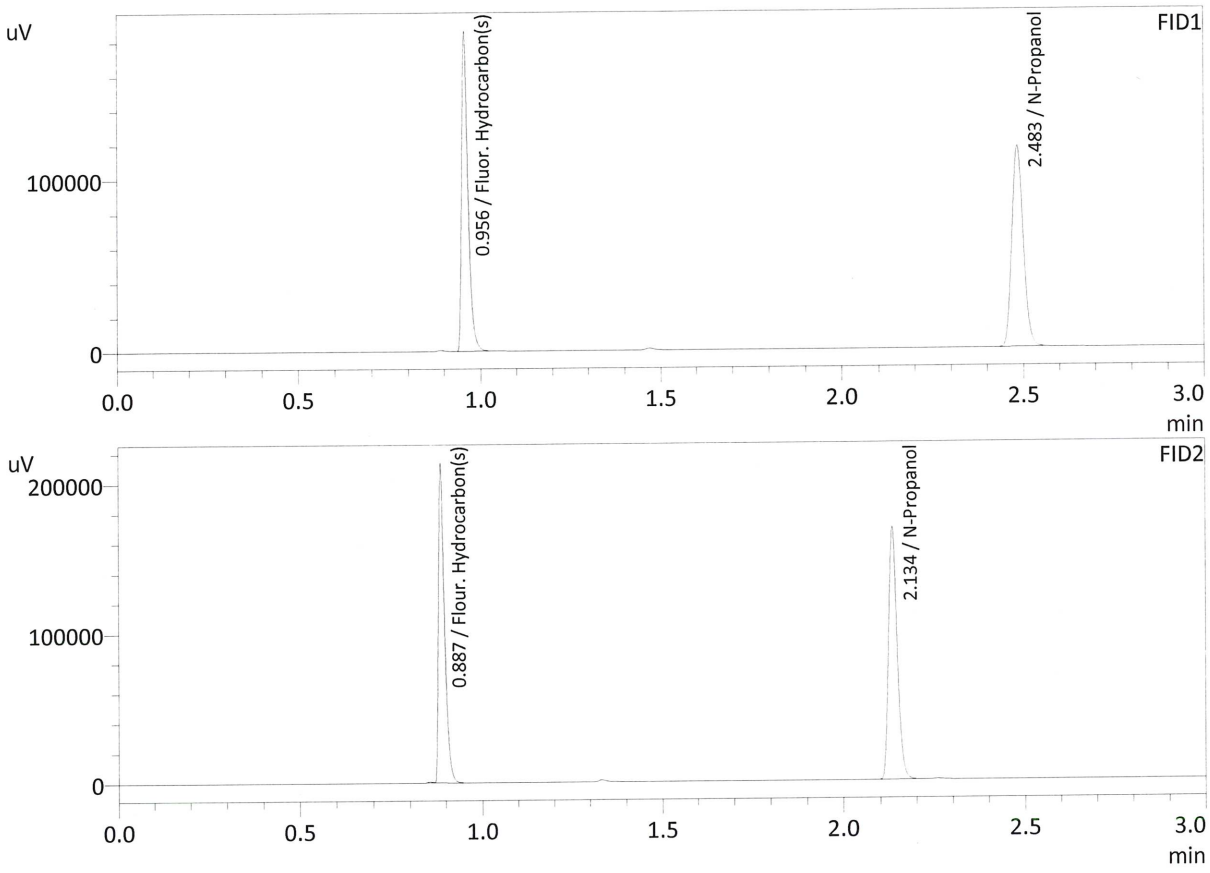
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252168	g/100cc
Fluor. Hydrocarbon(s)	0.0000	896731	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275219	g/100cc
Flour. Hydrocarbon(s)	0.0000	963994	g/100cc

Sample Name : TFE 11914
Laboratory : Meridian
Injection Date : 7/15/2022 8:35:22 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

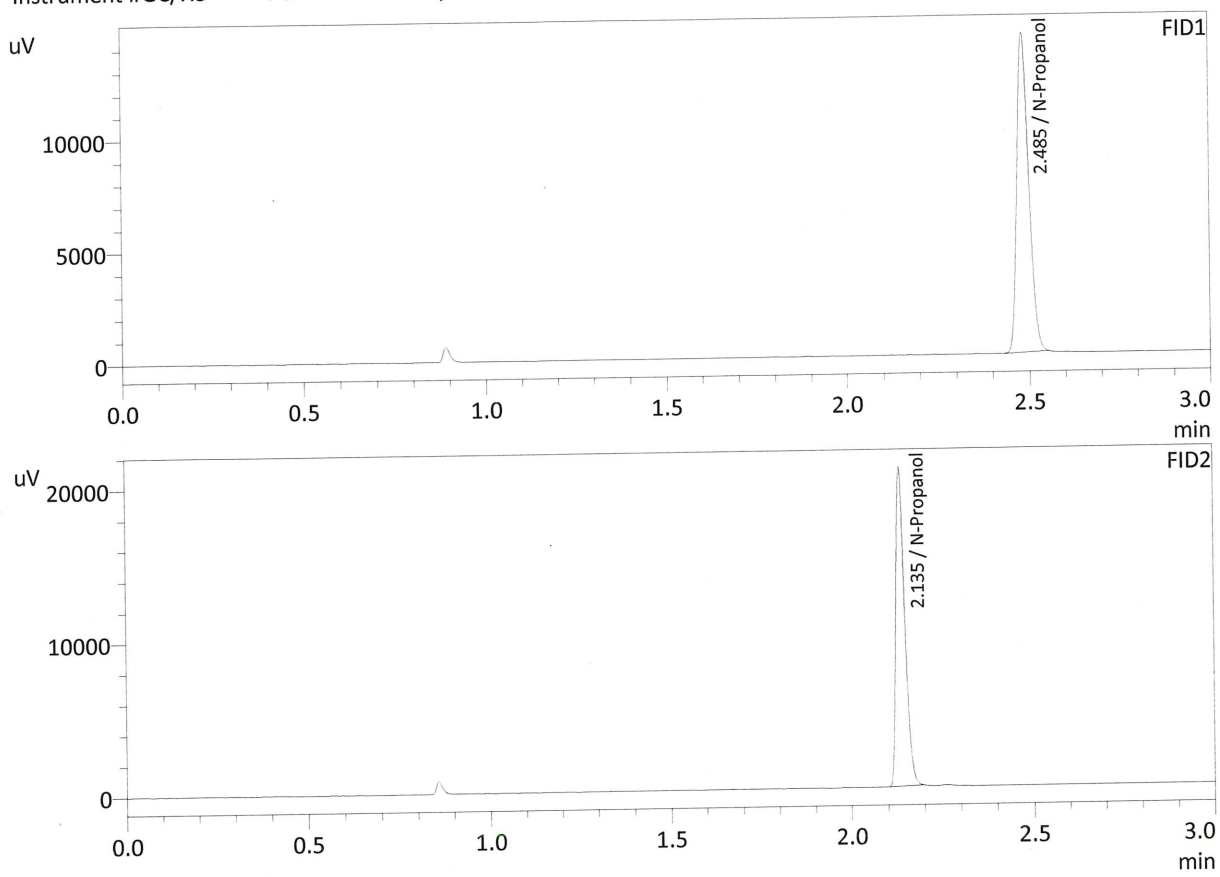
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256562	g/100cc
Fluor. Hydrocarbon(s)	0.0000	227399	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279949	g/100cc
Flour. Hydrocarbon(s)	0.0000	247920	g/100cc

W

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/15/2022 2:21:13 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



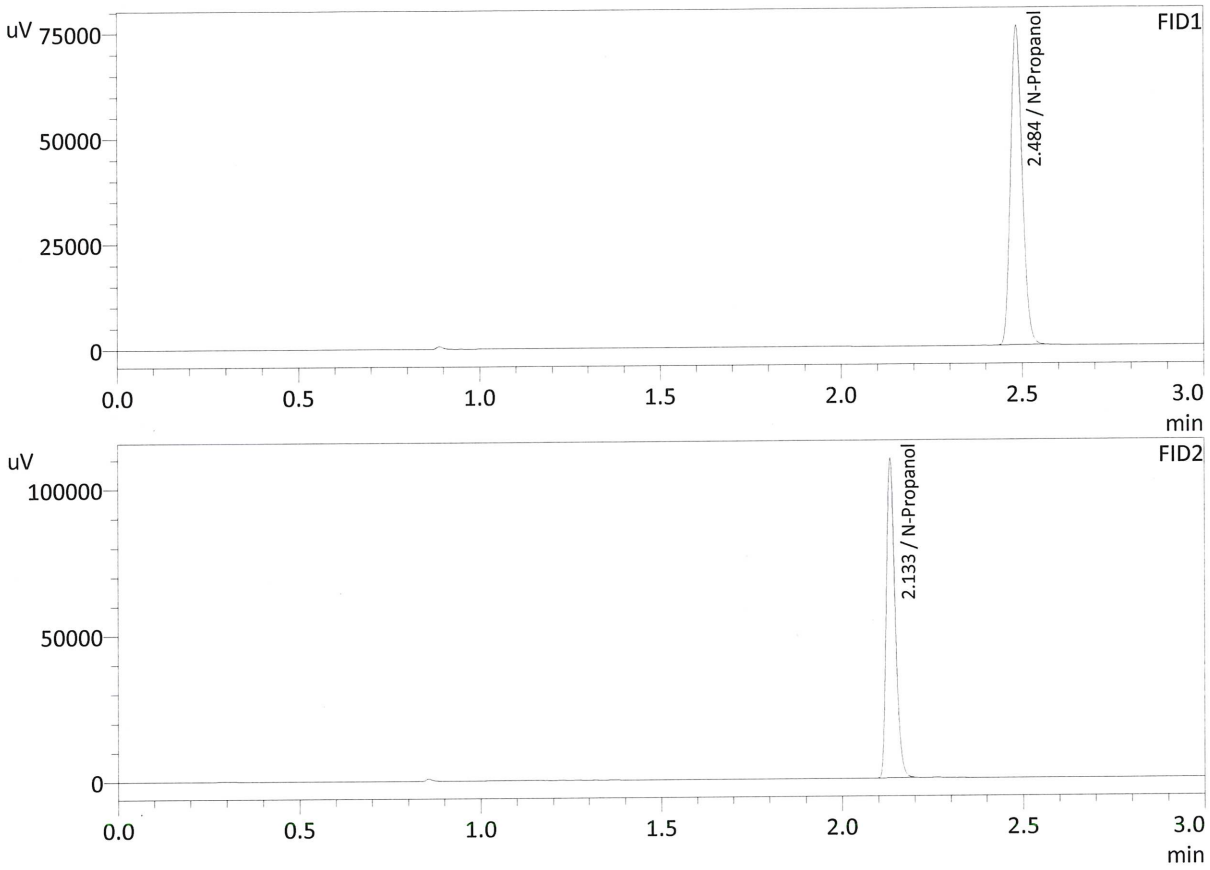
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	32152	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	35010	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Meridian
Injection Date : 7/15/2022 8:11:33 PM
Vial # : 45
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



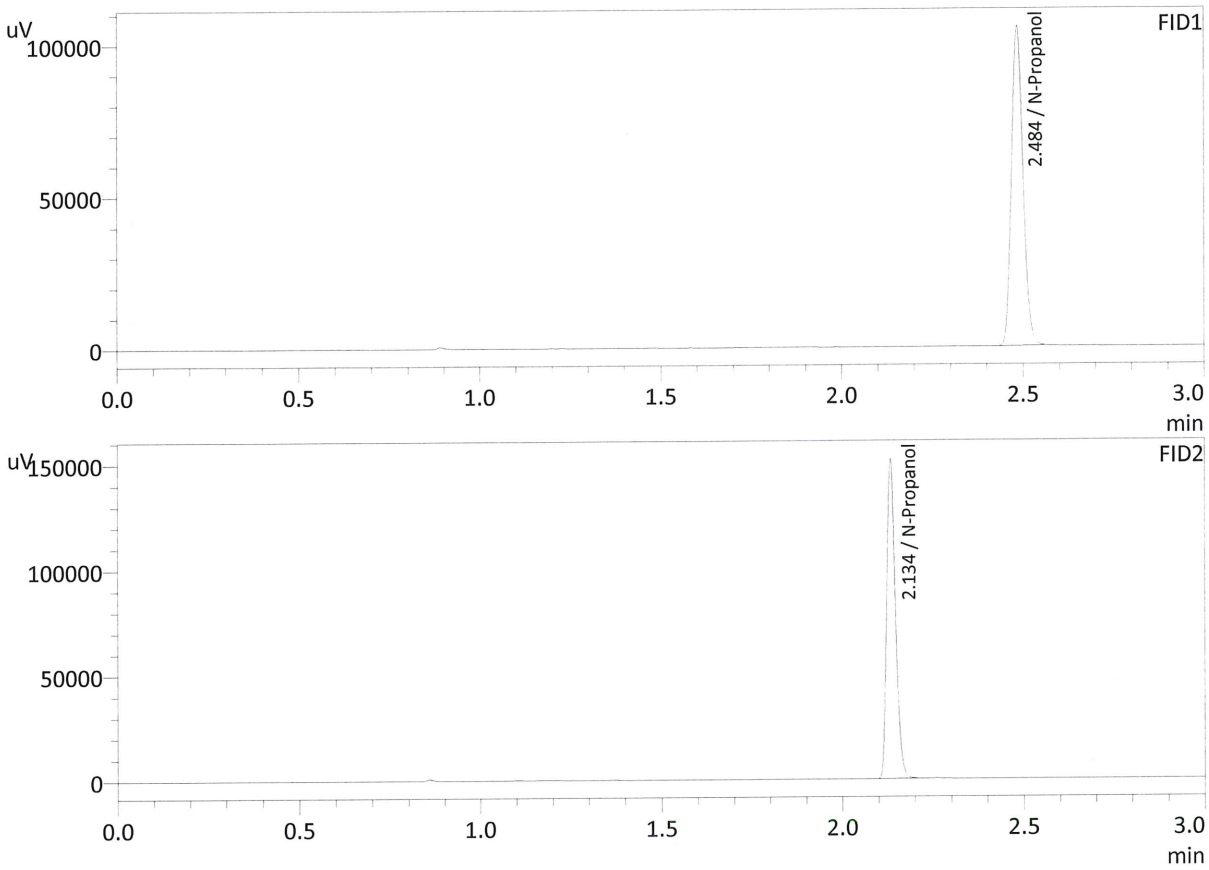
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	167104	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	182551	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Meridian
Injection Date : 7/15/2022 8:26:33 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



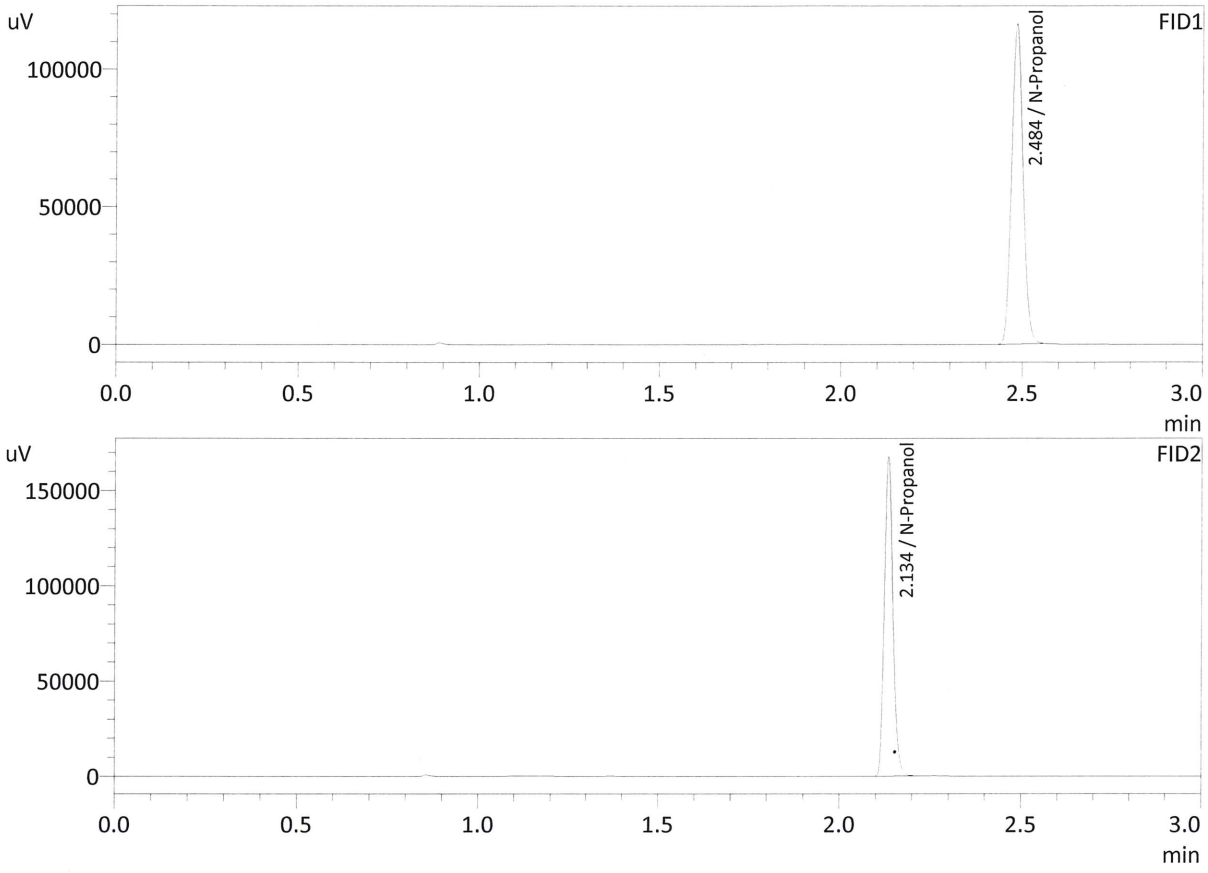
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231060	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	252118	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/15/2022 8:42:44 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\220707\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	255019	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	278432	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc