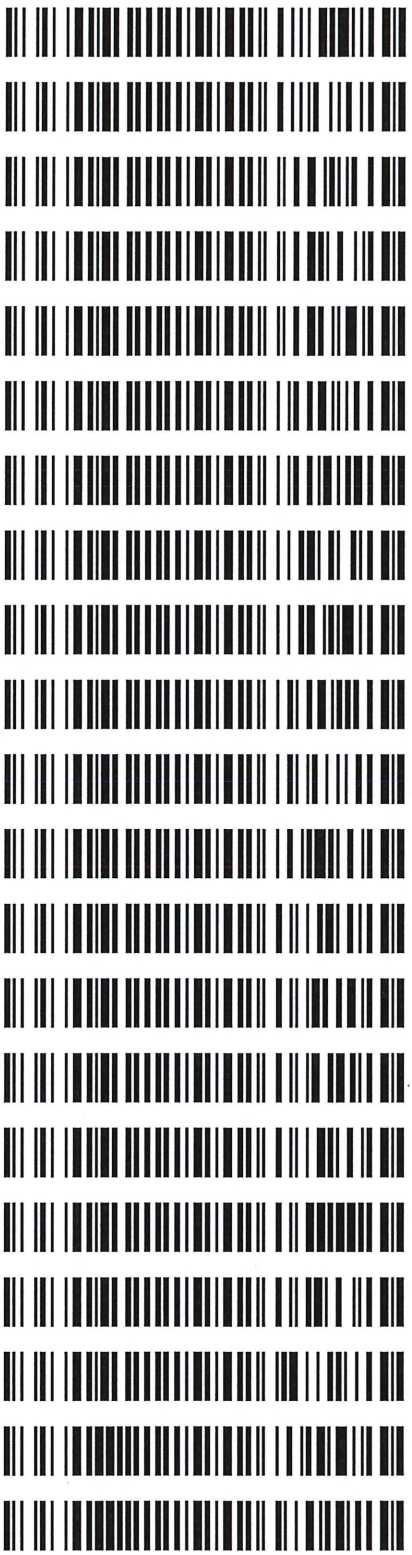
7/8/2022

Worklist: 6025

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-2623	1	BCK	Alcohol Analysis
M2022-2626	1	BCK	Alcohol Analysis
M2022-2633	1	BCK	Alcohol Analysis
M2022-2634	1	BCK	Alcohol Analysis
M2022-2635	1	BCK	Alcohol Analysis
M2022-2644	1	BCK	Alcohol Analysis
M2022-2645	1	BCK	Alcohol Analysis
M2022-2677	1	BCK	Alcohol Analysis
M2022-2678	1	BCK	Alcohol Analysis
M2022-2711	1	BCK	Alcohol Analysis
M2022-2712	1	BCK	Alcohol Analysis
M2022-2726	1	BCK	Alcohol Analysis
M2022-2744	1	BCK	Alcohol Analysis
M2022-2745	1	BCK	Alcohol Analysis
M2022-2746	1	BCK	Alcohol Analysis
M2022-2747	1	BCK	Alcohol Analysis
M2022-2748	1	BCK	Alcohol Analysis
M2022-2749	1	BCK	Alcohol Analysis
M2022-2769	1	BCK	Alcohol Analysis
P2022-2018	1	BCK	Alcohol Analysis
P2022-2024	1	BCK	Alcohol Analysis



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls **Run Date(s):** 7/7/2022

Calibration Date: *(if different)*

Worklist #: 6025

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0754 g/100cc
					0.0788 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2118 g/100cc
					0.2147 g/100cc
					g/100cc

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

REVIEWED
By Rachel Cutler at 11:31 am, Jul 08, 2022

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	0.080 g/100cc

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6025	Run Date(s):	7/7/2022

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

Sample Name	Column 1 Value	Column 2 Value
0.080	207256	226428
0.080	208013	227149
QC1	209451	228873
QC1	207562	226781
QC1	261071	284921
QC1	254472	277828
QC1		
QC1		
QC2	241245	263290
QC2	235861	257454
QC2	269270	293615
QC2	266687	290800
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	236088.8	188871.0	283306.6
Column 2	257713.9	206171.1	309256.7

Meridian Blood Alcohol Analysis Batch Table

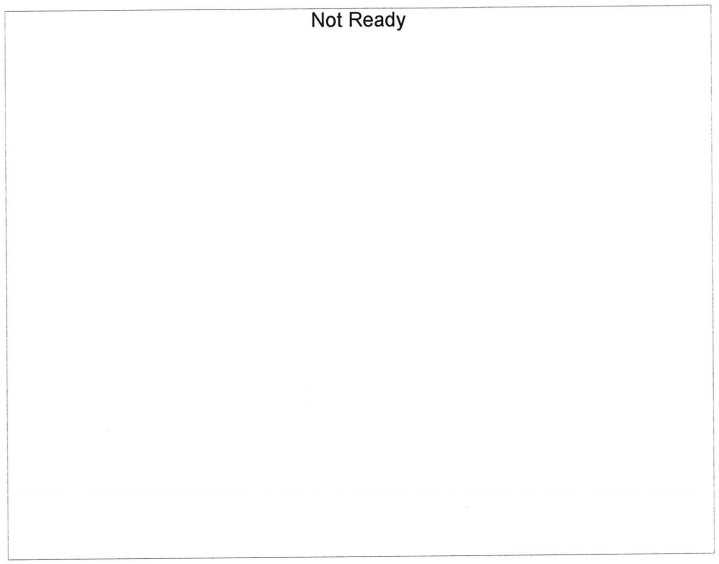
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

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

Calibration Table

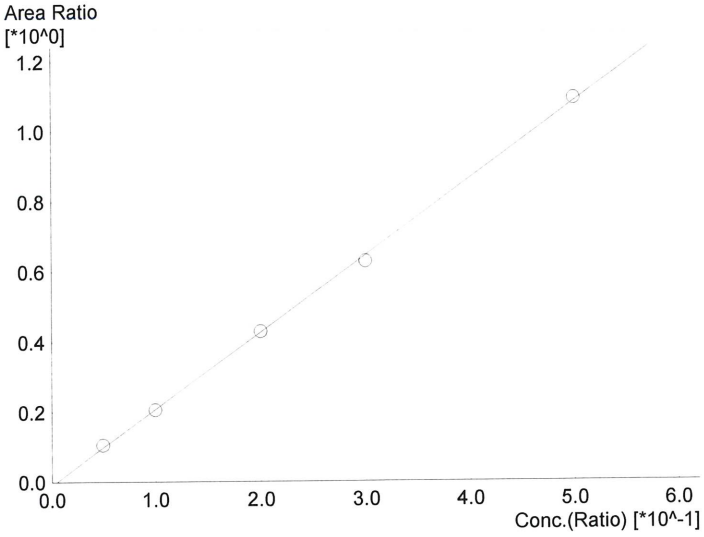
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<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



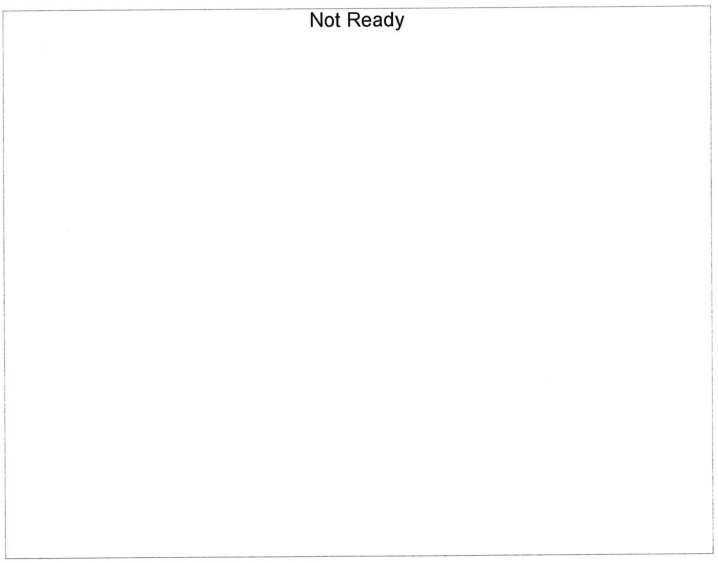
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



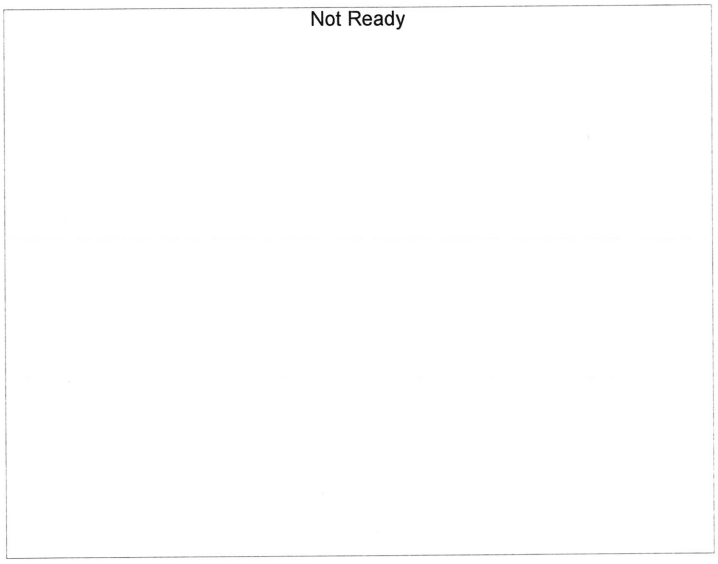
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.18761*x-0.0116685
R^2 value= 0.9992662
FitType: Linear
ZeroThrough: Not Through

#	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



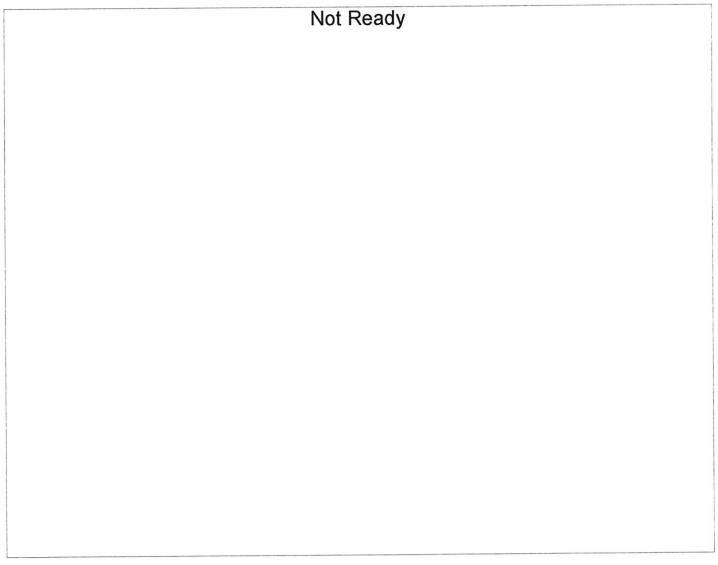
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.



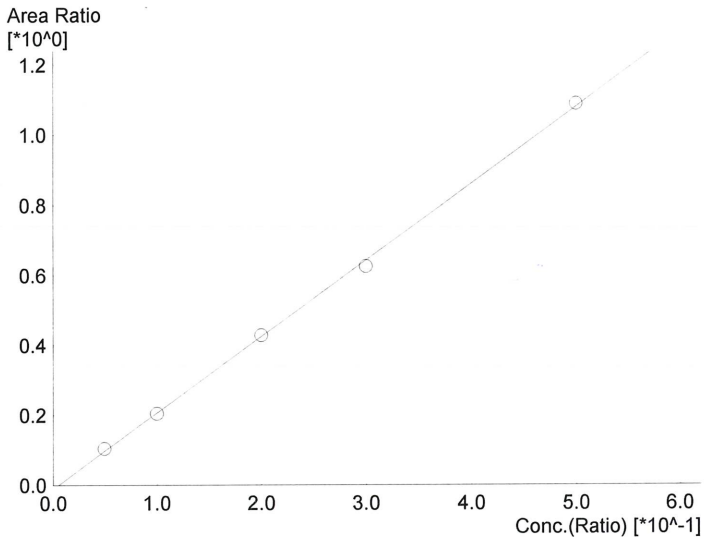
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

W

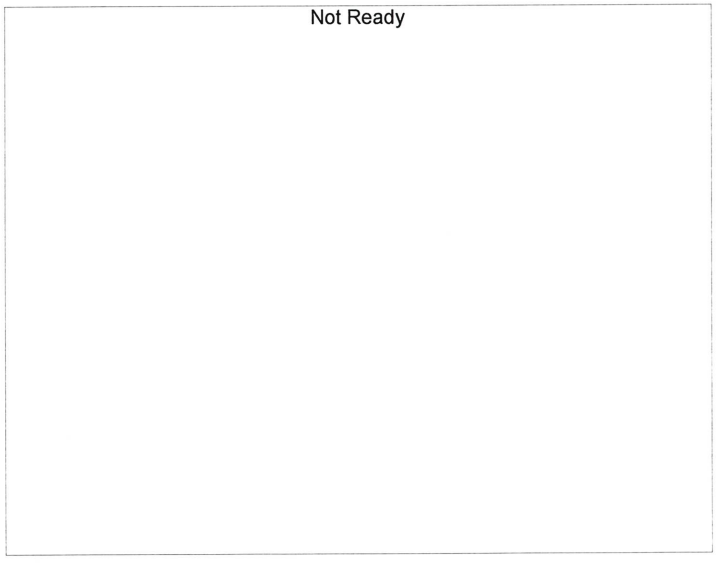
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



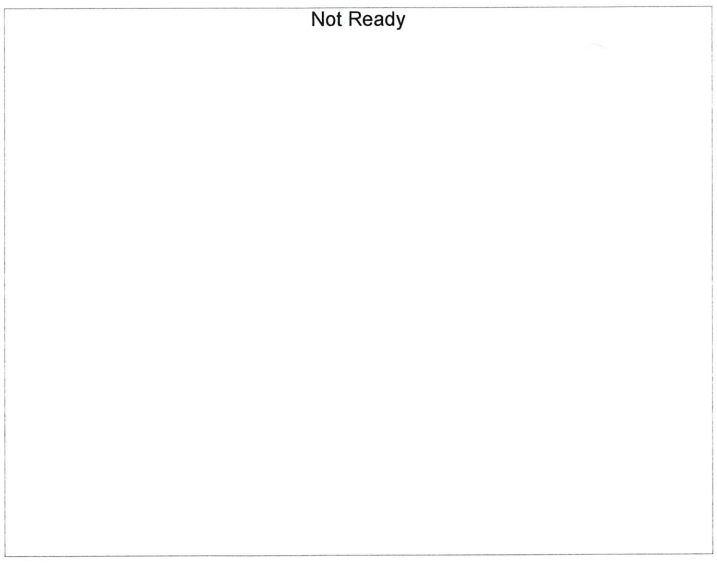
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.18167*x-0.0123500
R^2 value= 0.9992741
FitType: Linear
ZeroThrough: Not Through

#	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



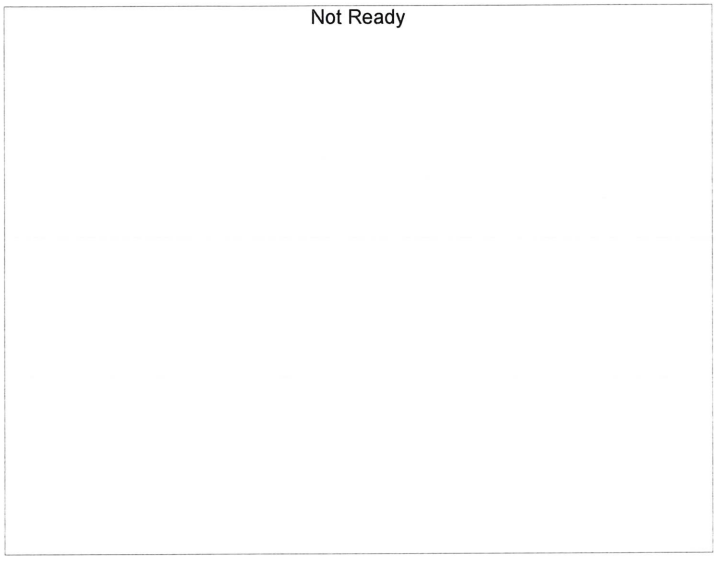
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

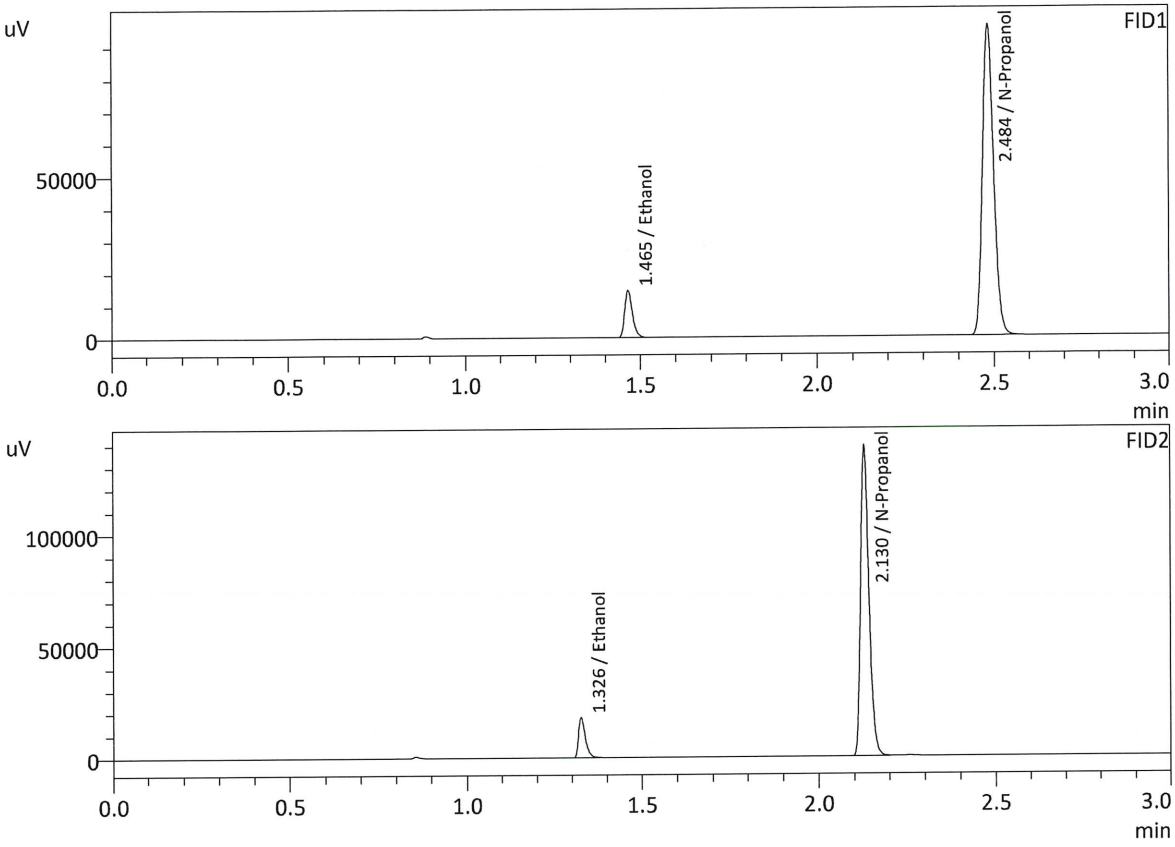
#	Conc.	Area	Std. Conc.



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

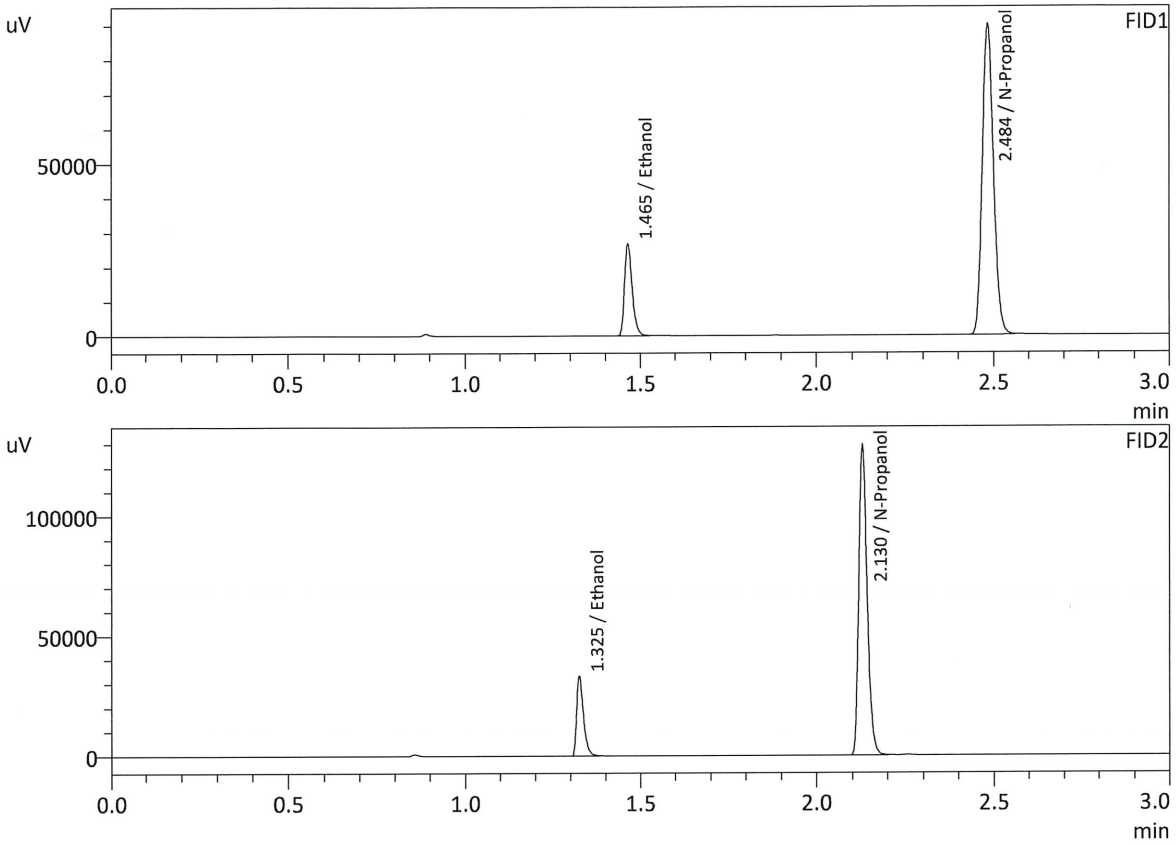
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0533	22291	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212342	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

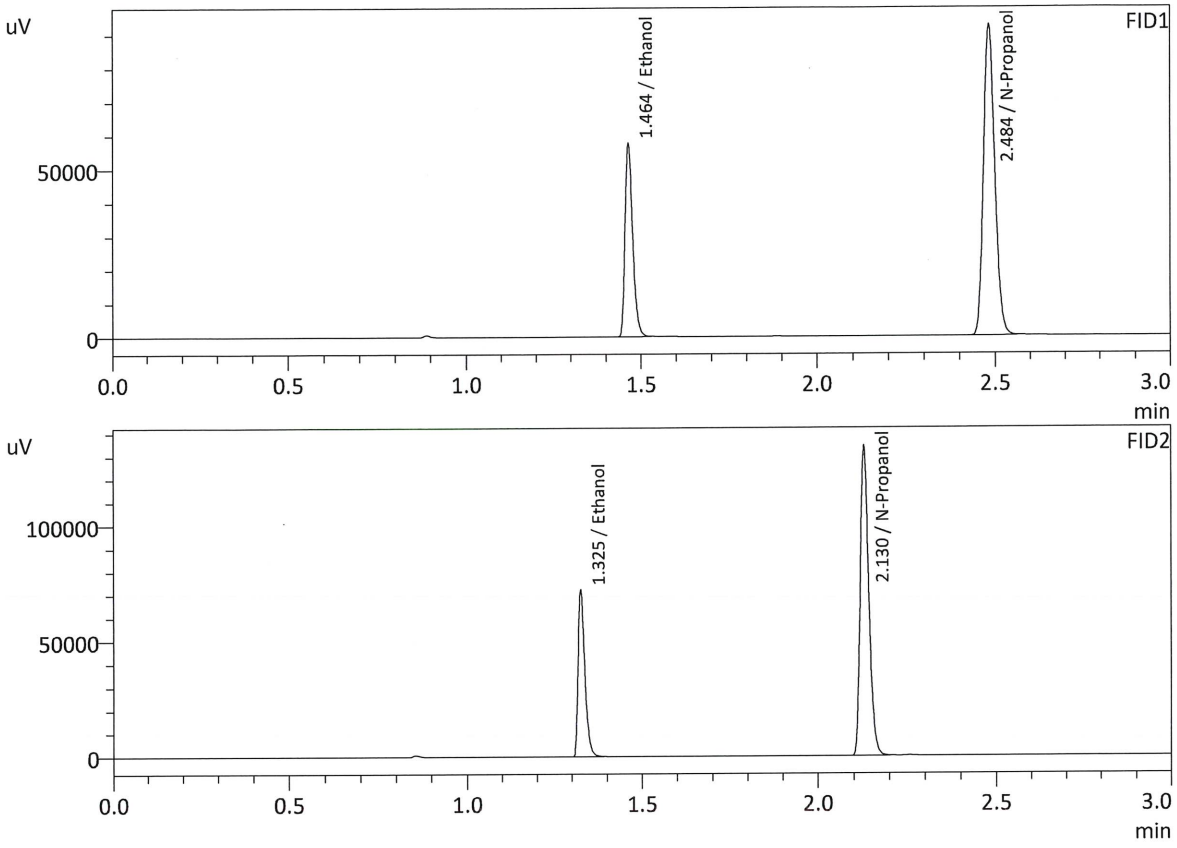
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	40792	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198507	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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



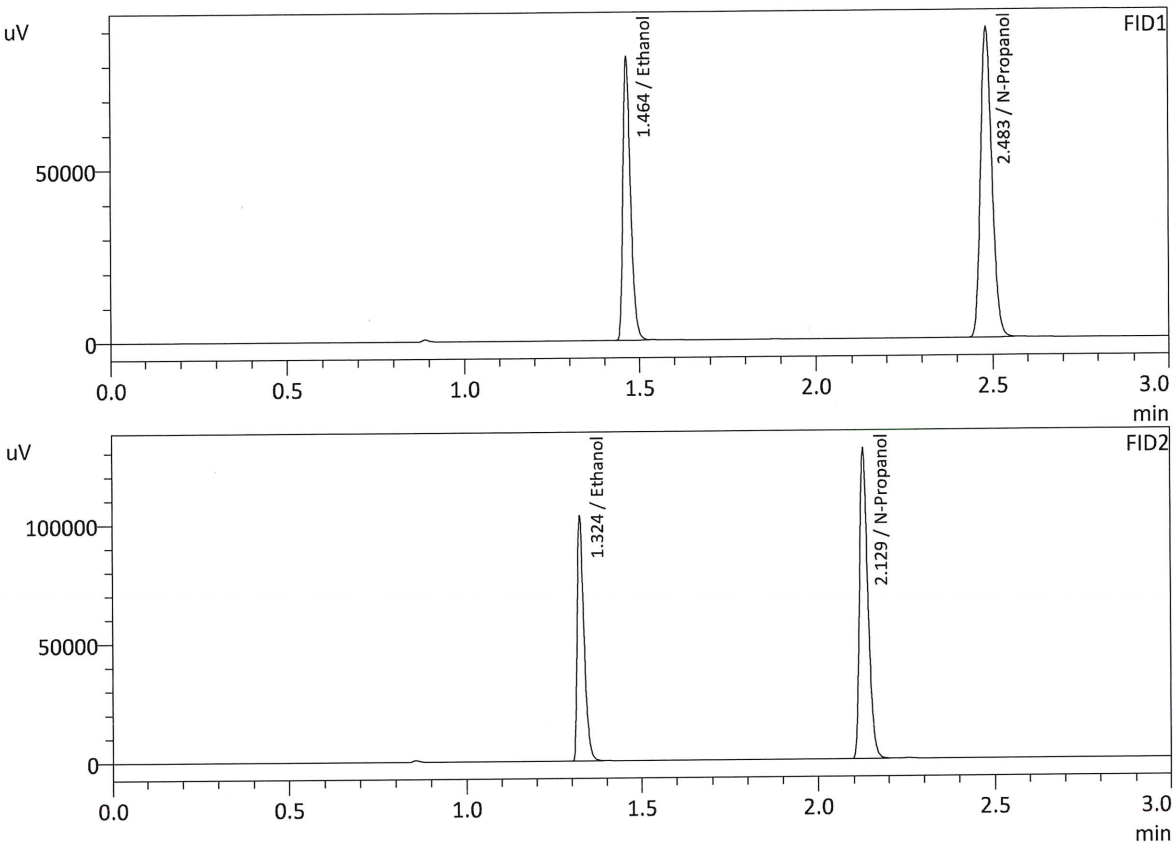
FID1

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

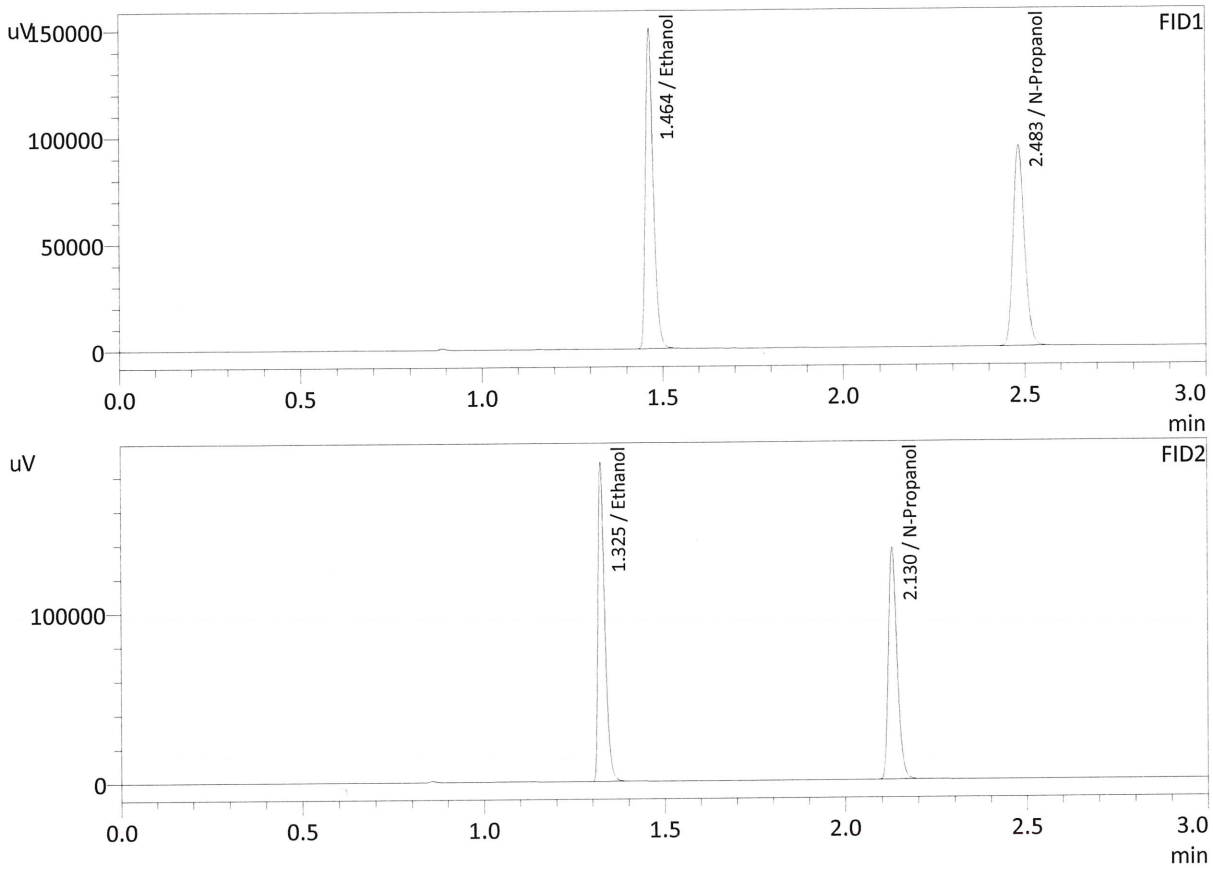
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2920	124572	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198643	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

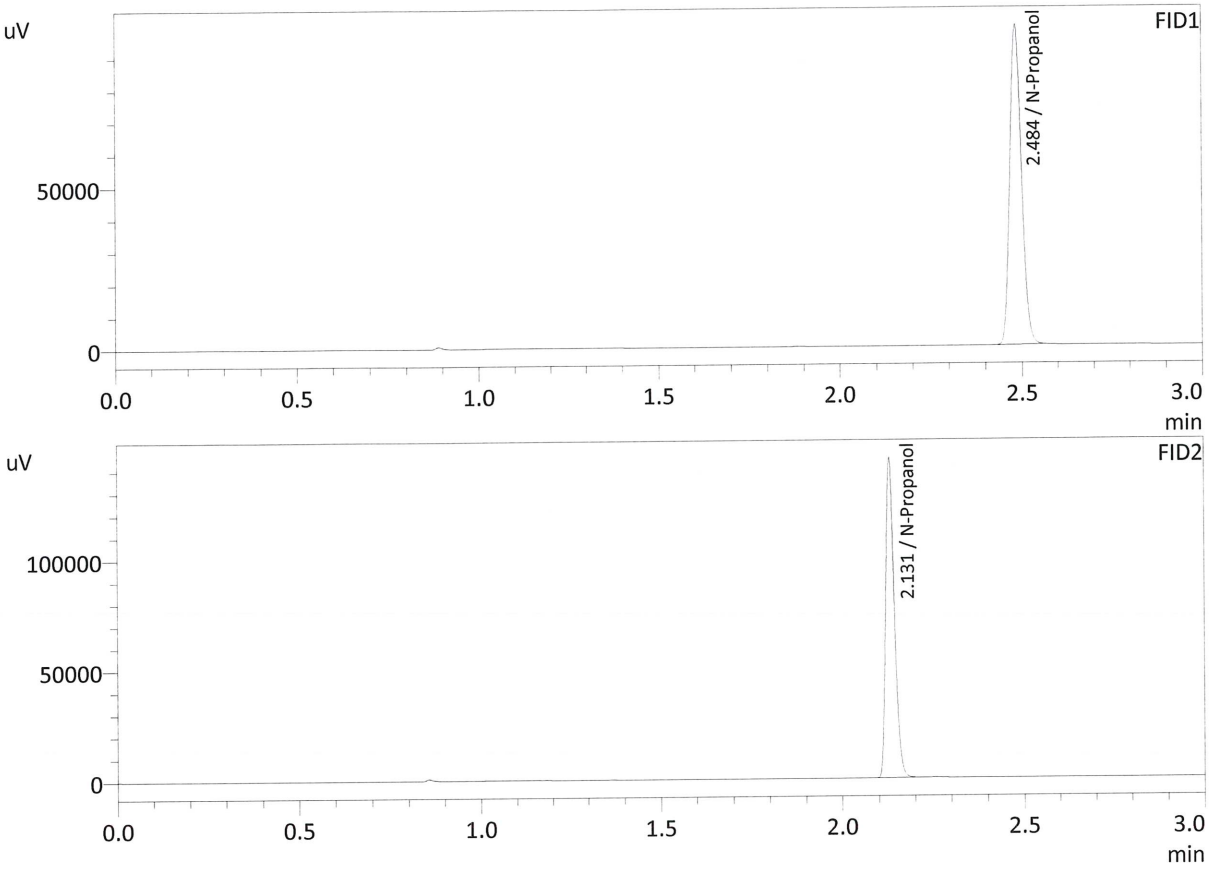
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5040	226781	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

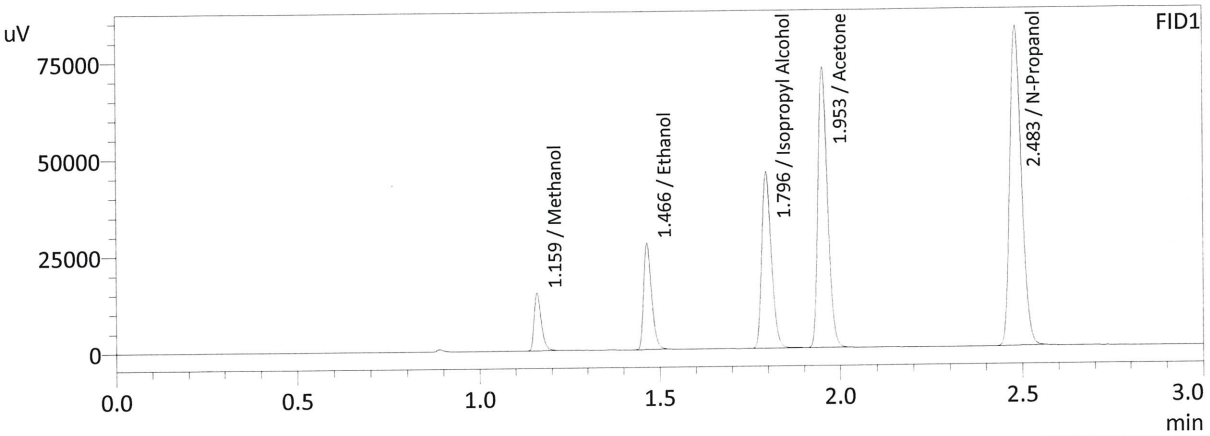
W

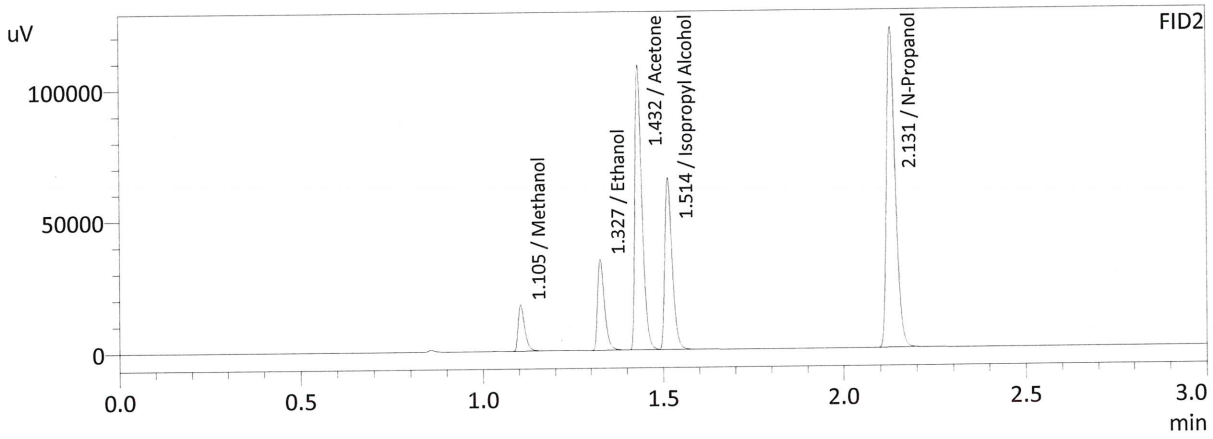
Meridian Blood Alcohol Analysis Batch Table

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	M2022-2623-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
8	M2022-2623-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
9	M2022-2626-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
10	M2022-2626-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
11	M2022-2633-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
12	M2022-2633-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
13	M2022-2634-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
14	M2022-2634-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
15	M2022-2635-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
16	M2022-2635-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
17	M2022-2644-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
18	M2022-2644-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
19	M2022-2645-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
20	M2022-2645-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
21	M2022-2677-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
22	M2022-2677-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
23	M2022-2678-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
24	M2022-2678-1-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	M2022-2711-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
28	M2022-2711-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
29	M2022-2712-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
30	M2022-2712-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
31	M2022-2726-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
32	M2022-2726-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
33	M2022-2744-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
34	M2022-2744-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
35	M2022-2745-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
36	M2022-2745-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
37	M2022-2746-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
38	M2022-2746-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
39	M2022-2747-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
40	M2022-2747-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
41	M2022-2748-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
42	M2022-2748-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
43	M2022-2749-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
44	M2022-2749-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
45	M2022-2769-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
46	M2022-2769-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
49	P2022-2018-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
50	P2022-2018-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
51	P2022-2024-1-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
52	P2022-2024-1-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
53	QC2-2-A	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
54	QC2-2-B	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
55	INT STD BLK 2	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
56	DFE 1119140M	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
57	INT STD BLK 3	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
58	TFE 111914	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
59	INT STD BLK 4	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
60	ED VOLATILES FN 0604	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
61	INT STD BLK 5	C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM

Sample Name : MIXED VOLATILES FN 07101701 EXP 7/31/2022 7/7/22 BS
Laboratory : Meridian
Injection Date : 7/7/2022 1:02:51 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	20144	g/100cc
Ethanol	0.1106	42252	g/100cc
Isopropyl Alcohol	0.0000	84557	g/100cc
Acetone	0.0000	134255	g/100cc
N-Propanol	0.0000	183351	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	21882	g/100cc
Ethanol	0.1110	46023	g/100cc
Acetone	0.0000	146479	g/100cc
Isopropyl Alcohol	0.0000	91748	g/100cc
N-Propanol	0.0000	200094	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0818	0.0001	0.0818	0.0022	0.0807
(g/100cc)	0.0797	0.0796	0.0001	0.0796		

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%**

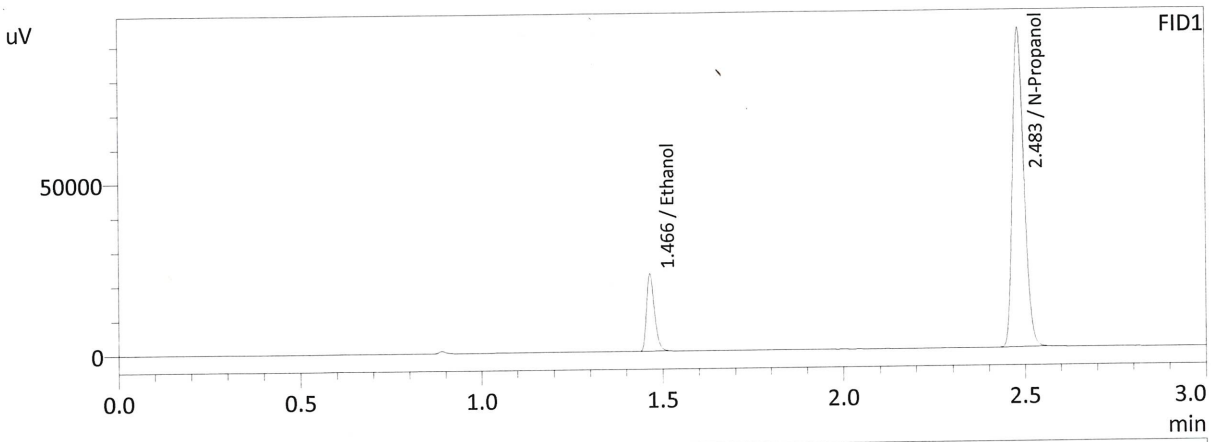
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

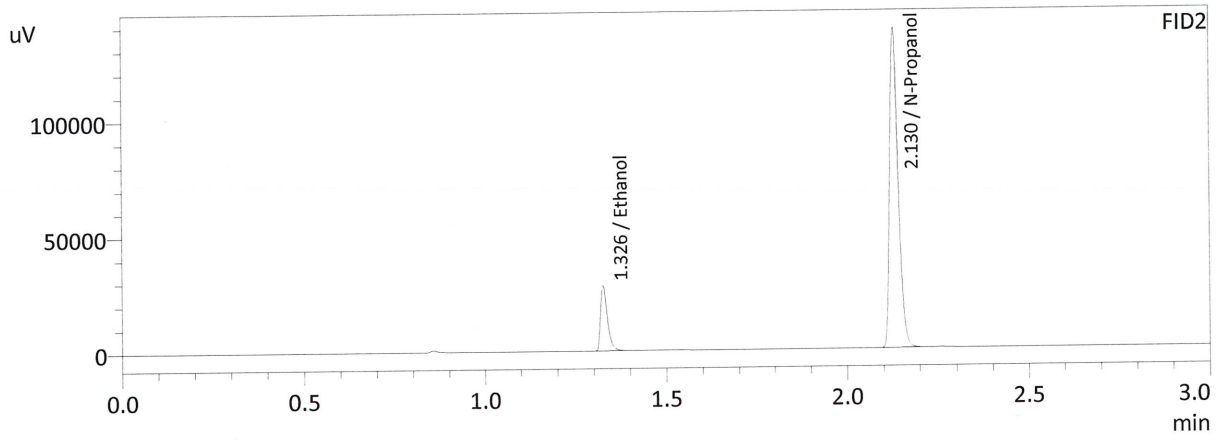
Reported Result

0.080

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 7/7/2022 1:26:41 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

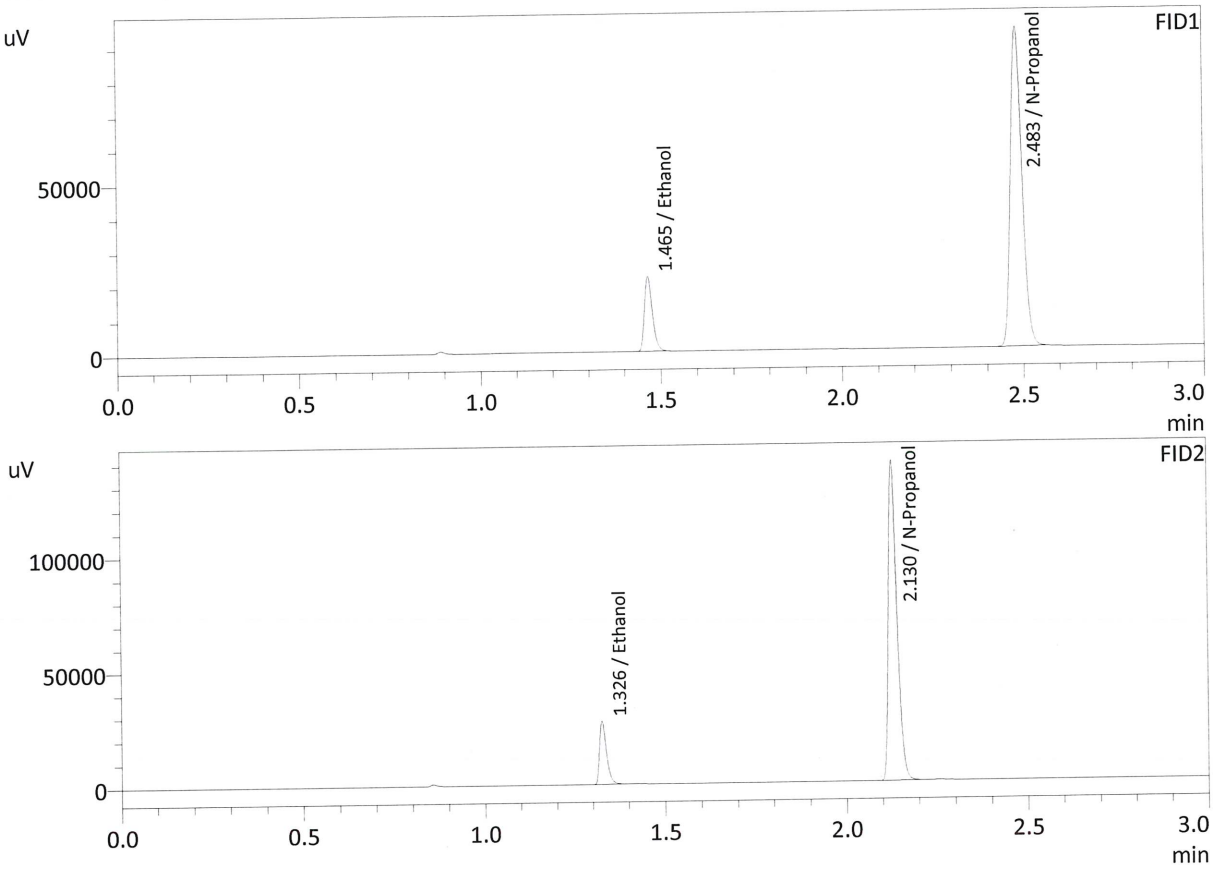
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	34745	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207256	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	37636	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226428	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/7/2022 1:35:15 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	0.0797	33879	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208013	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	36683	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227149	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0754	0.0753	0.0001	0.0753	0.0002	0.0754
(g/100cc)	0.0756	0.0754	0.0002	0.0755		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

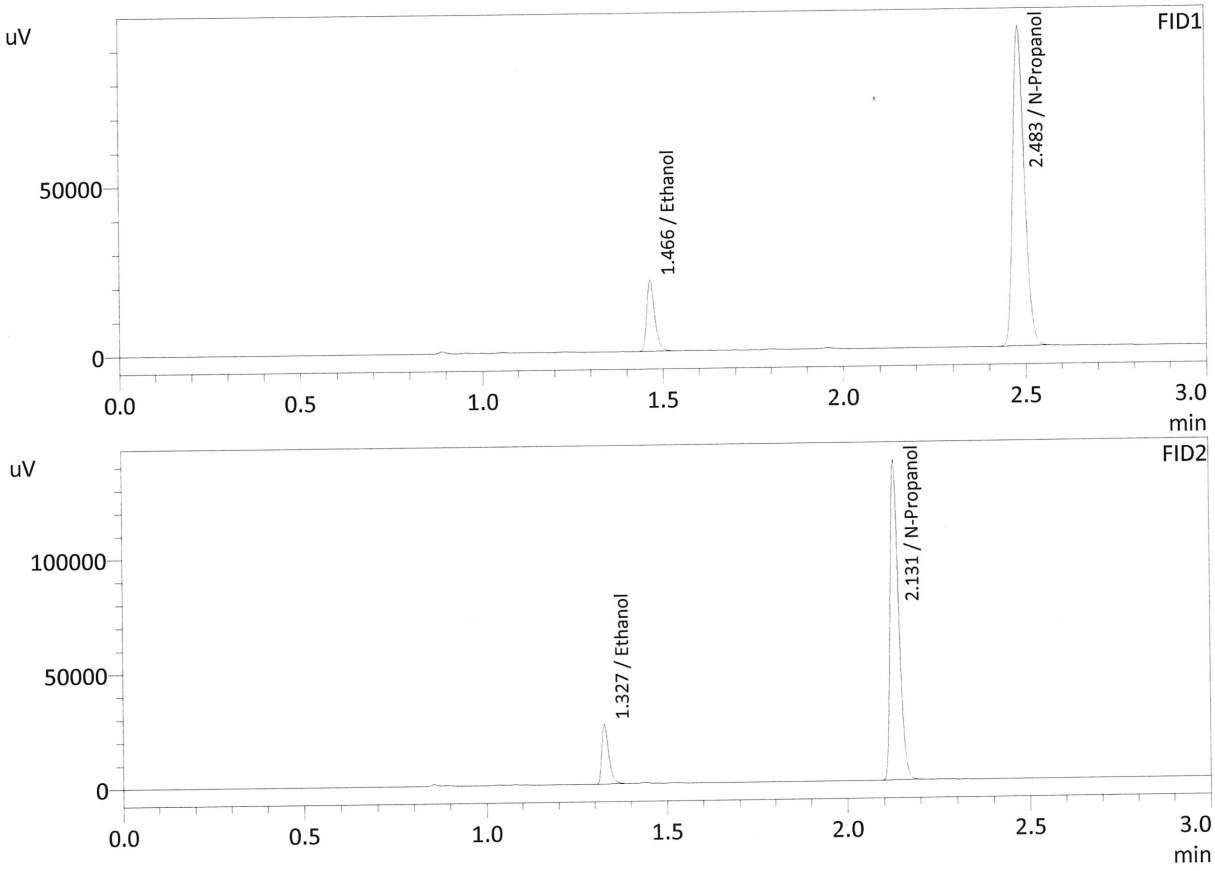
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	**0.071**	**0.079**	**0.004**

Reported Result
0.075

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 7/7/2022 1:10:29 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



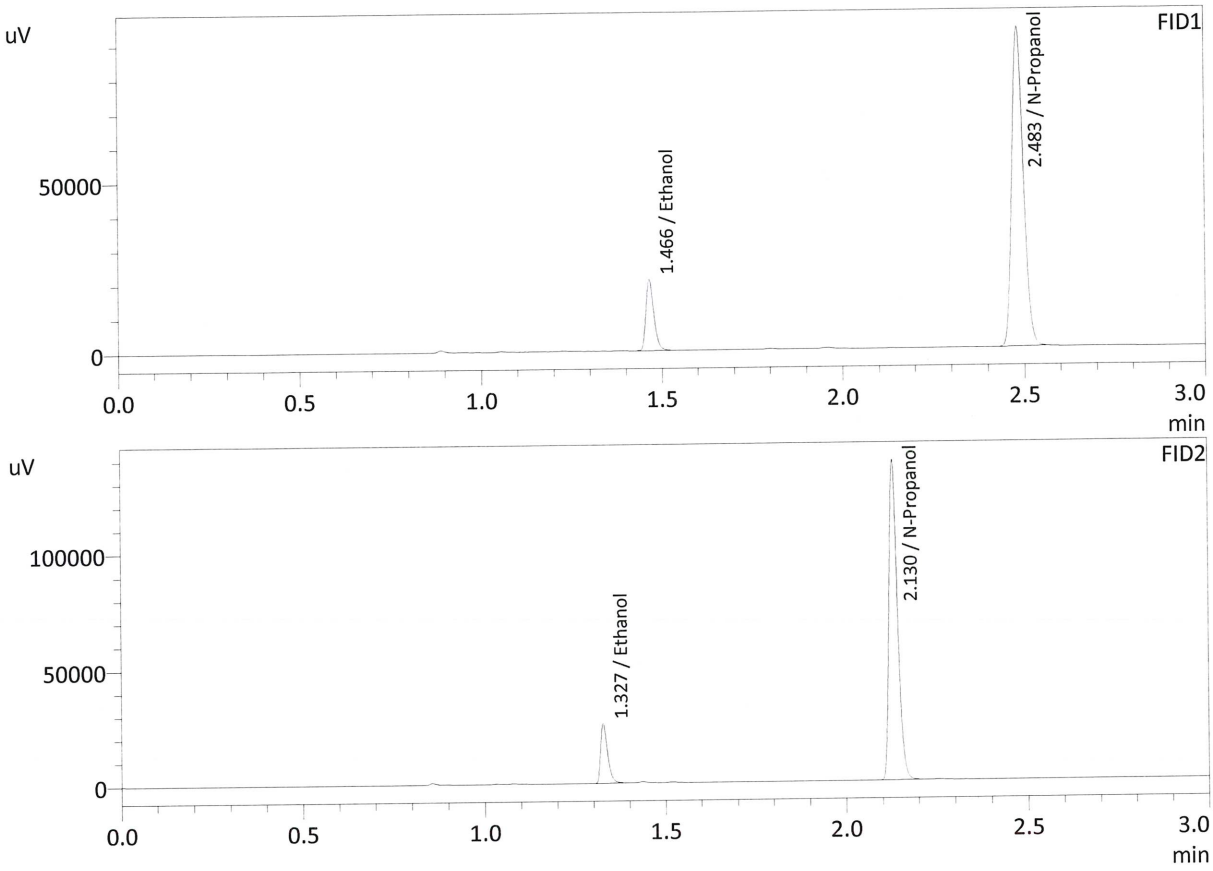
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0754	32107	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209451	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0753	34774	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228873	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/7/2022 1:18:59 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	0.0756	31918	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207562	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0754	34540	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226781	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0788	0.0003	0.0786	0.0004	0.0788
(g/100cc)	0.0789	0.0791	0.0002	0.0790		

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%**

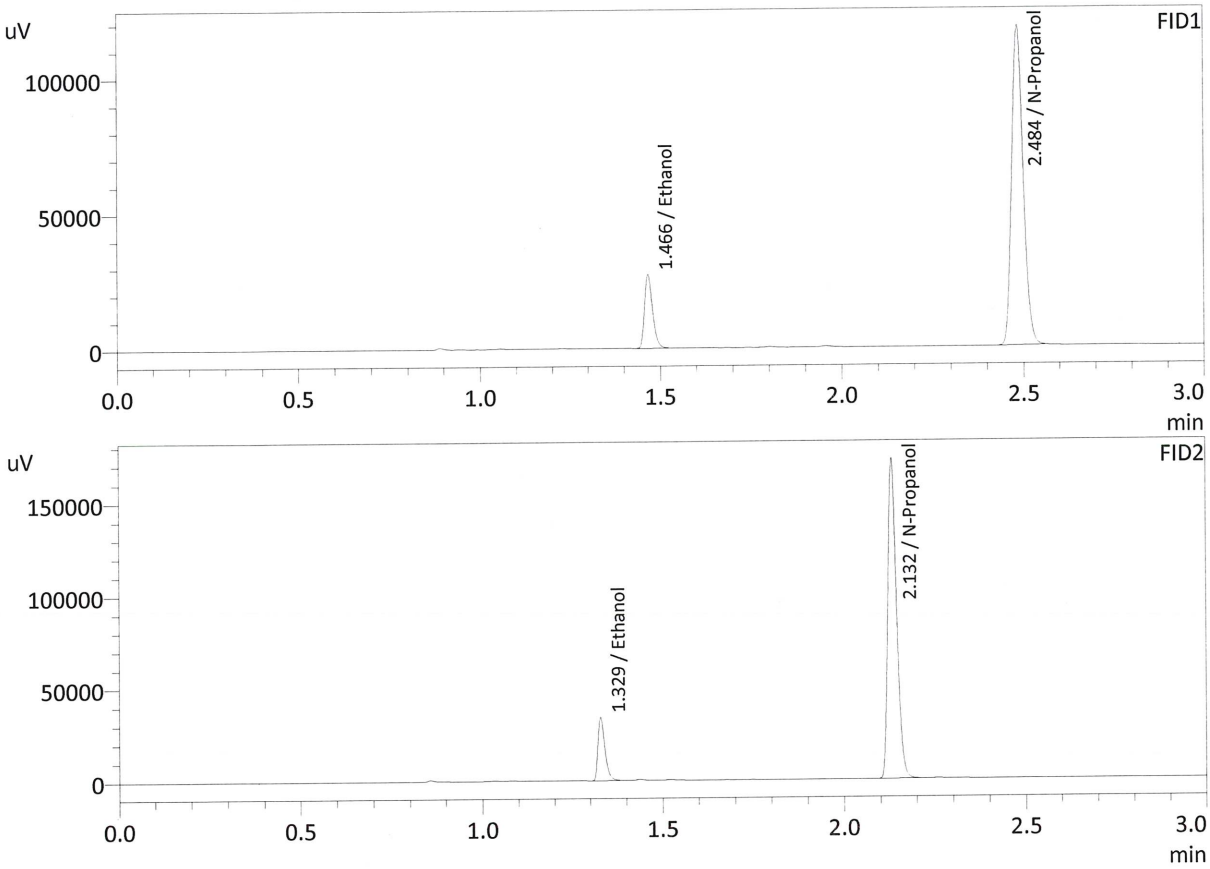
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result
0.078

Calibration and control data are stored centrally.

W

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 7/7/2022 7:00:12 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



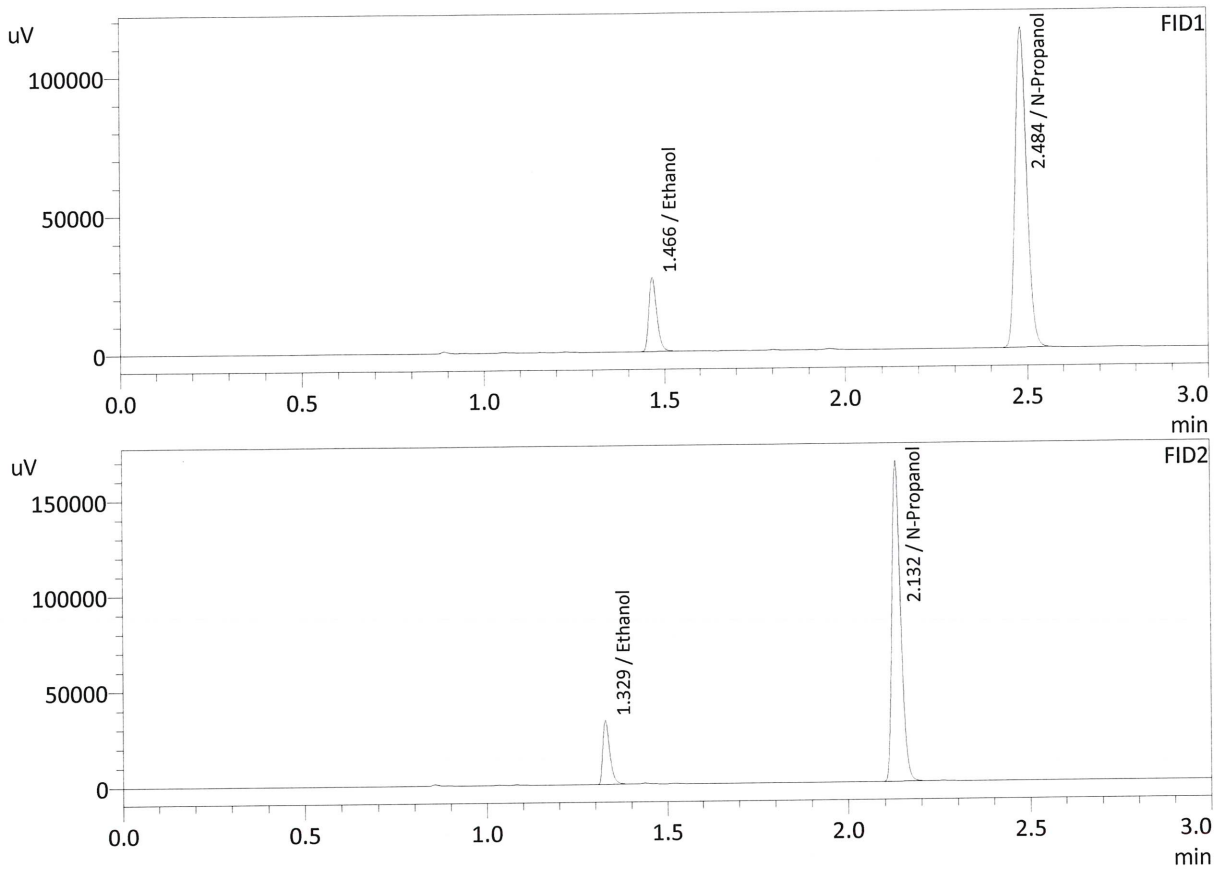
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	41833	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261071	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	45470	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	284921	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/7/2022 7:08:45 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	0.0789	40984	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	254472	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	44517	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	277828	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2105	0.2104	0.0001	0.2104	0.0028	0.2118
(g/100cc)	0.2133	0.2131	0.0002	0.2132		

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

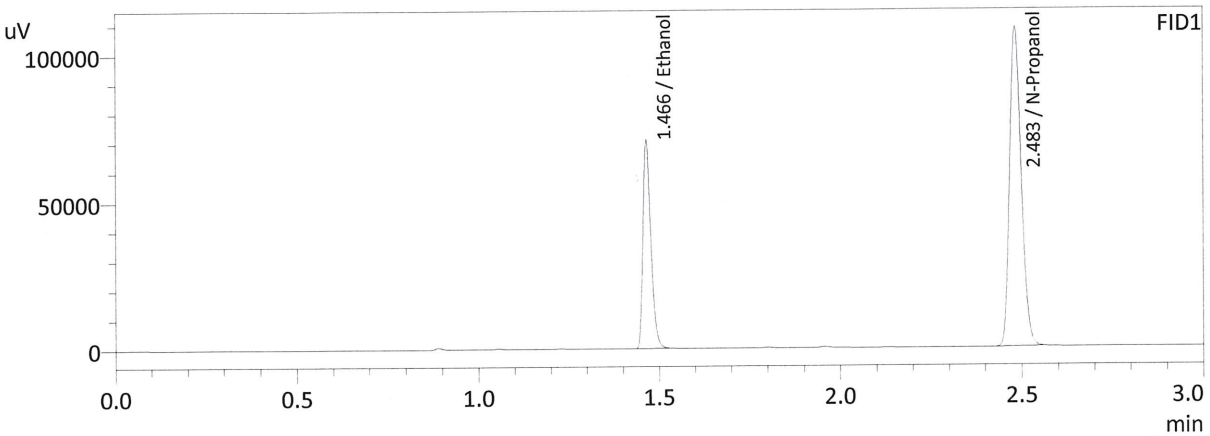
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

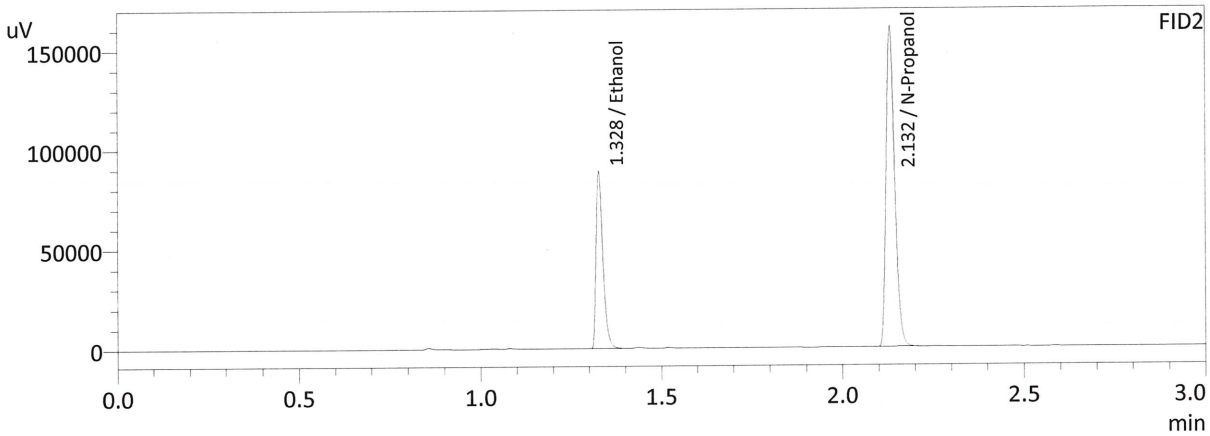
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 7/7/2022 4:05:36 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





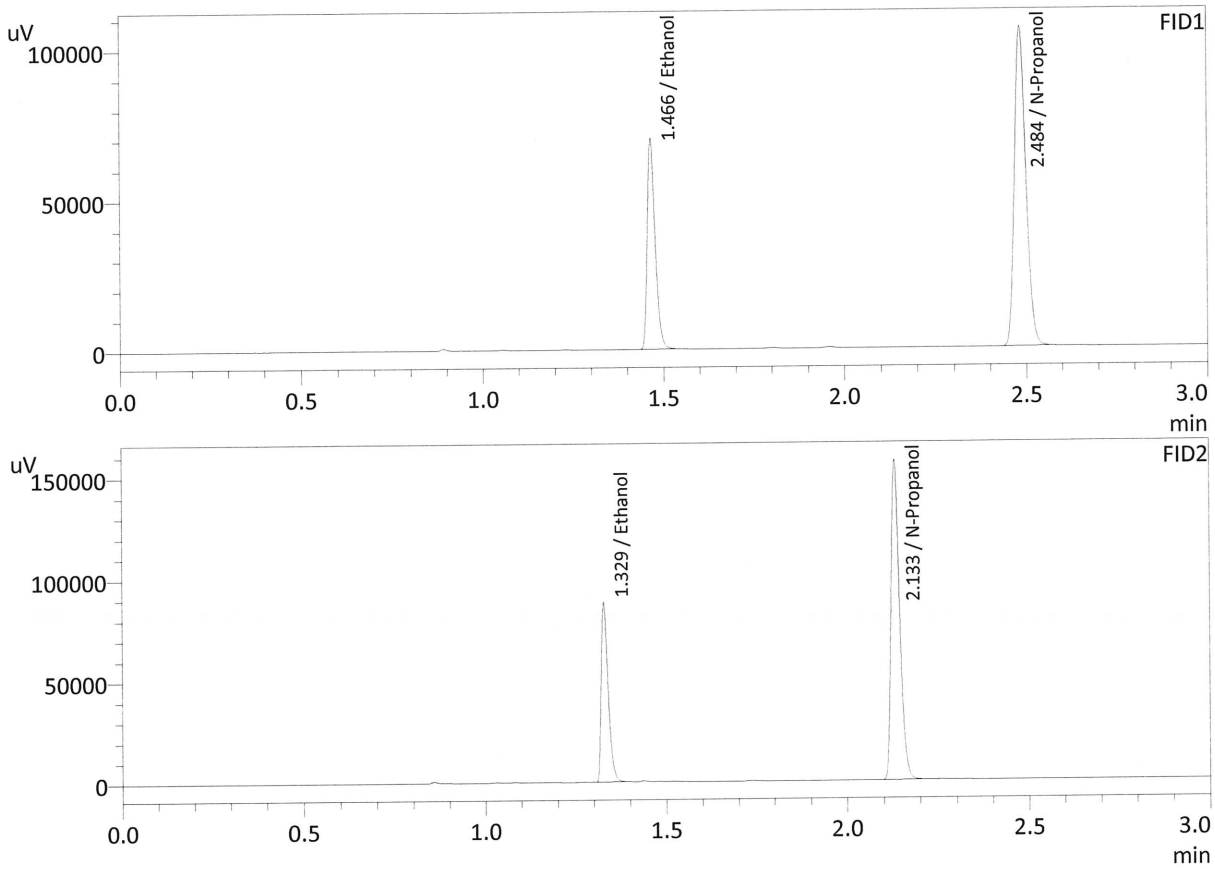
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	108305	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241245	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2104	117654	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263290	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/7/2022 4:13:27 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	0.2133	107323	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235861	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2131	116525	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257454	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2139	0.2141	0.0002	0.2140	0.0014	0.2147
(g/100cc)	0.2153	0.2156	0.0003	0.2154		

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

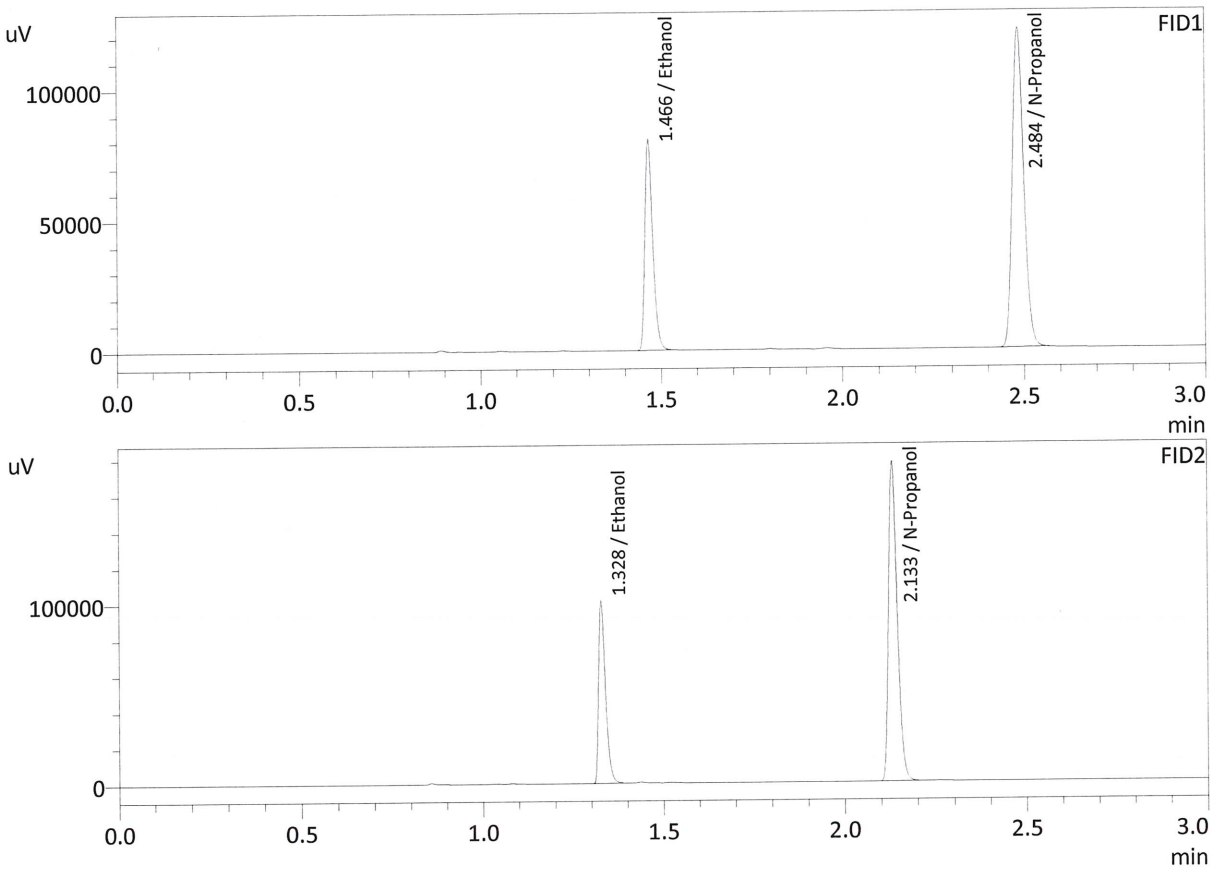
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.214	0.203	0.225	0.011

	Reported Result	
	0.214	

Calibration and control data are stored centrally.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 7/7/2022 7:48:52 PM
Vial # : 53
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



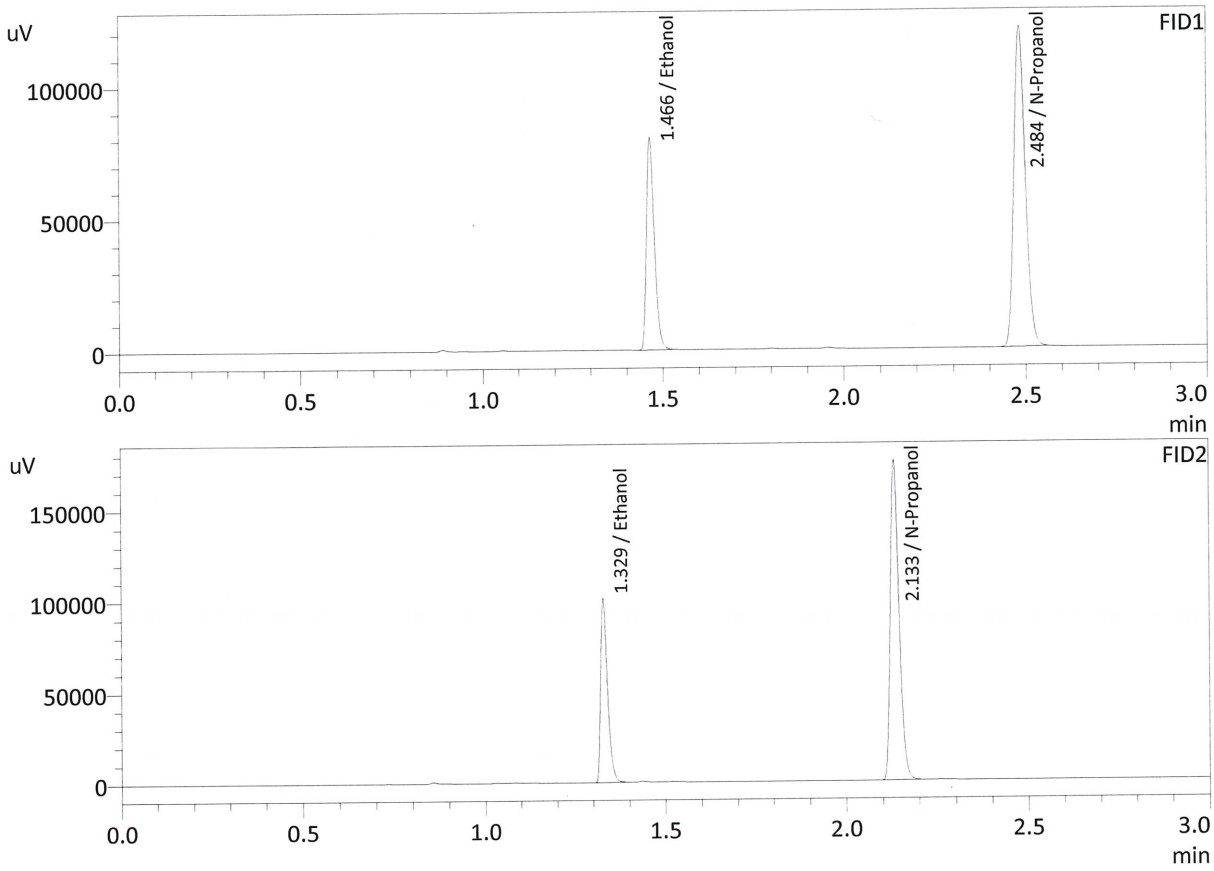
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2139	122903	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	269270	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2141	133567	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	293615	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 7/7/2022 7:57:21 PM
Vial # : 54
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



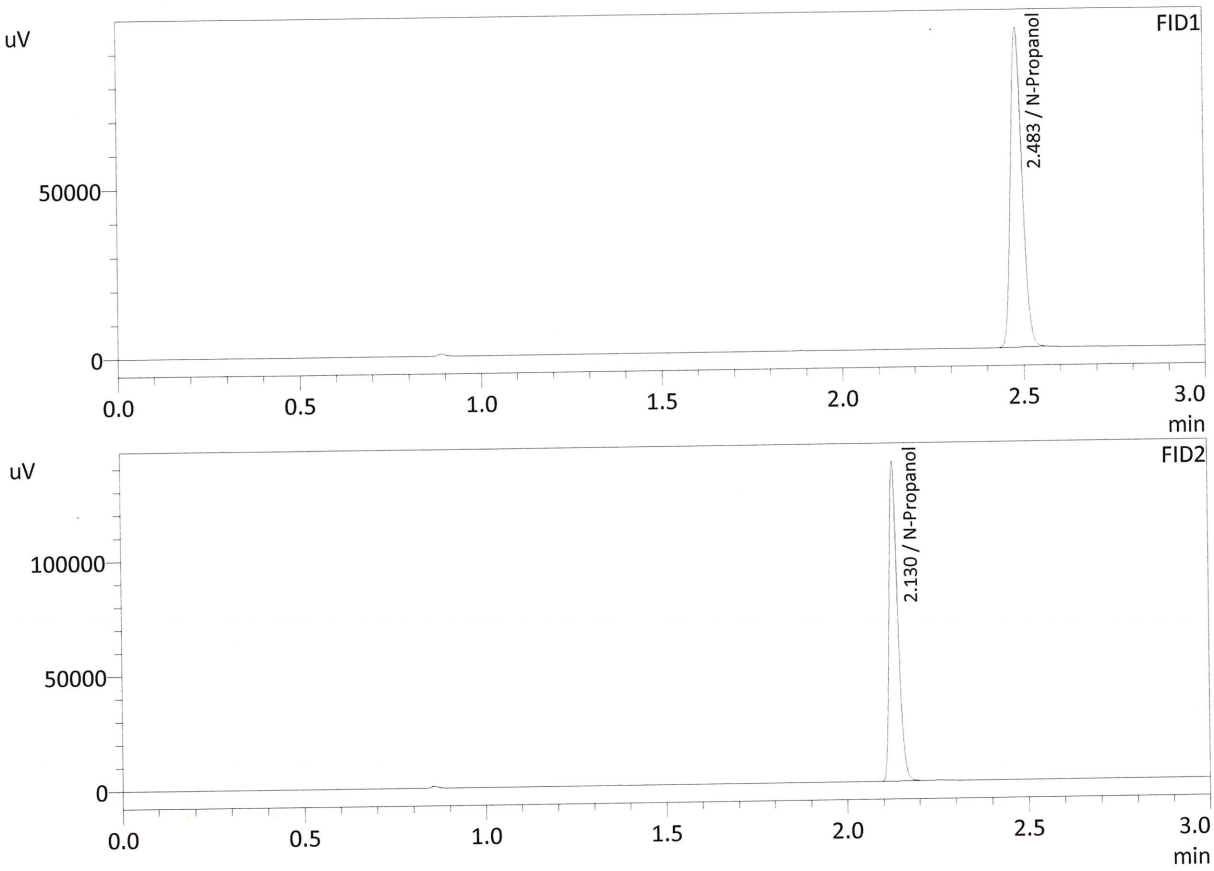
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2153	122550	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	266687	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2156	133237	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	290800	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/7/2022 12:55:30 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



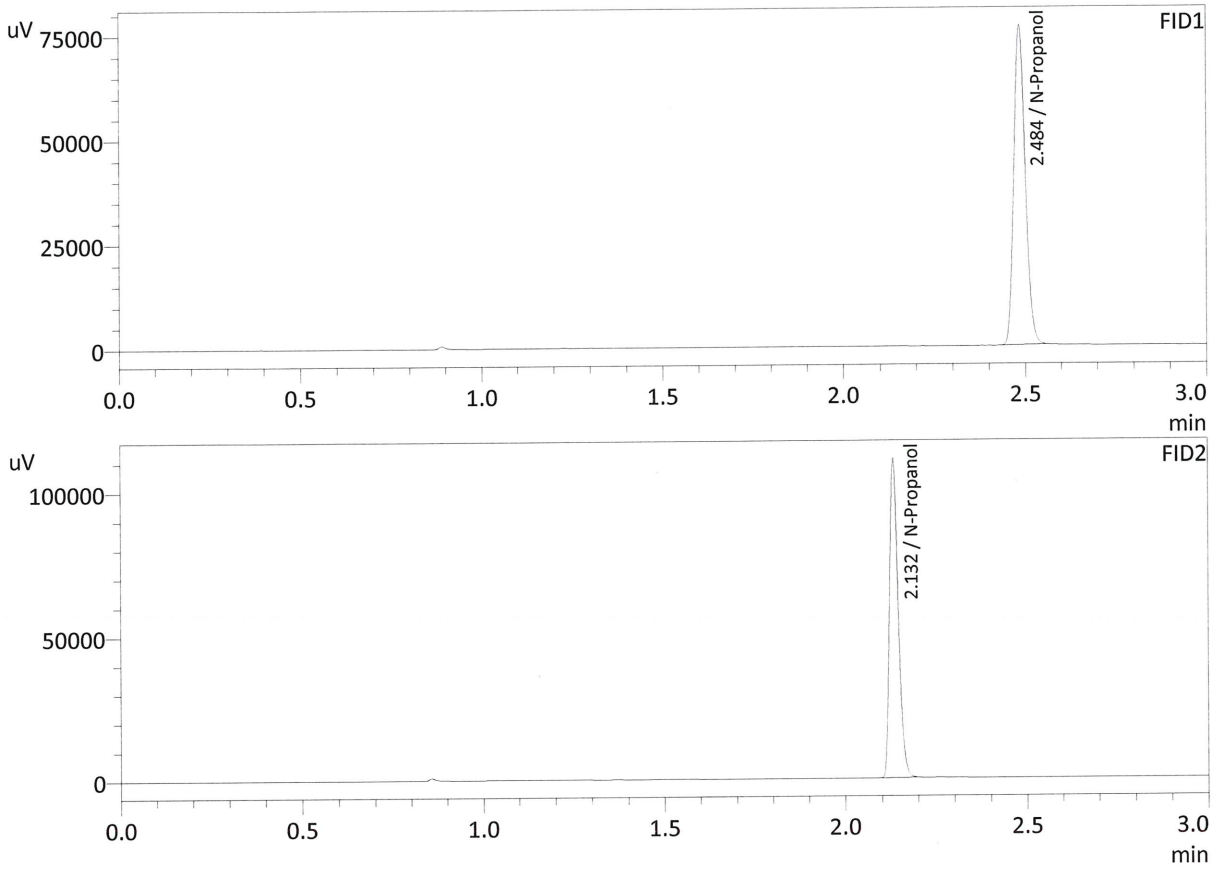
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209651	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	229035	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 2
Laboratory : Meridian
Injection Date : 7/7/2022 8:05:02 PM
Vial # : 55
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



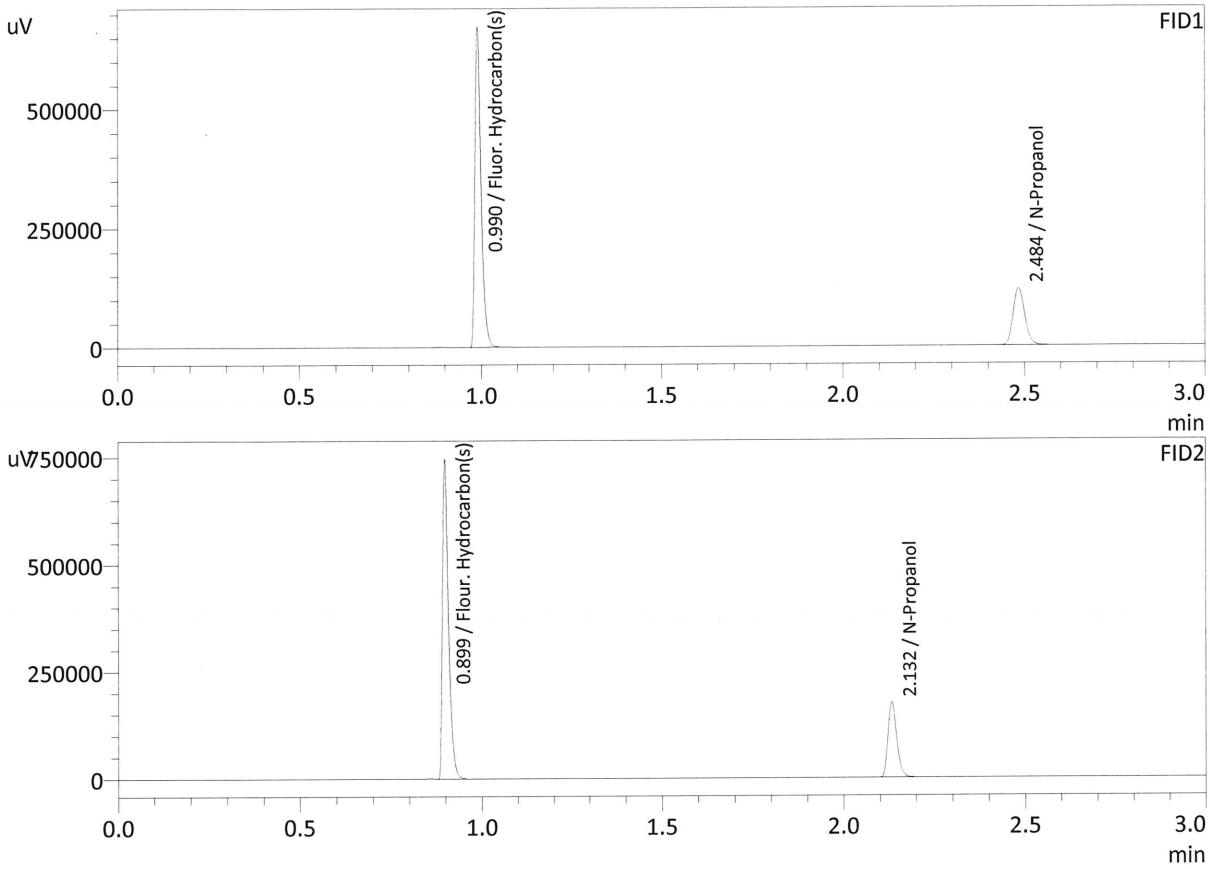
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	169156	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	184850	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : DFE 1119140M
Laboratory : Meridian
Injection Date : 7/7/2022 8:12:40 PM
Vial # : 56
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



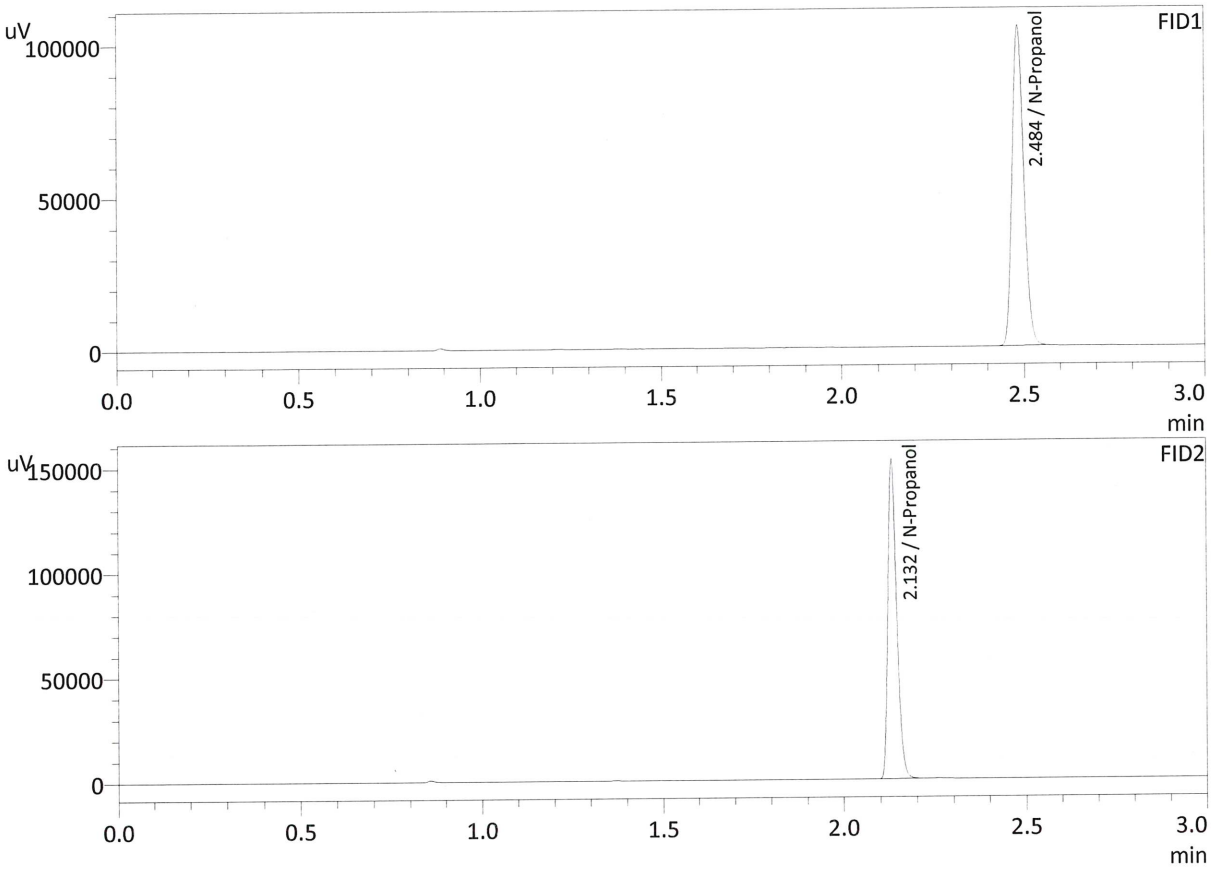
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	266415	g/100cc
Fluor. Hydrocarbon(s)	0.0000	802224	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	290832	g/100cc
Flour. Hydrocarbon(s)	0.0000	862556	g/100cc

Sample Name : INT STD BLK 3
Laboratory : Meridian
Injection Date : 7/7/2022 8:21:02 PM
Vial # : 57
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

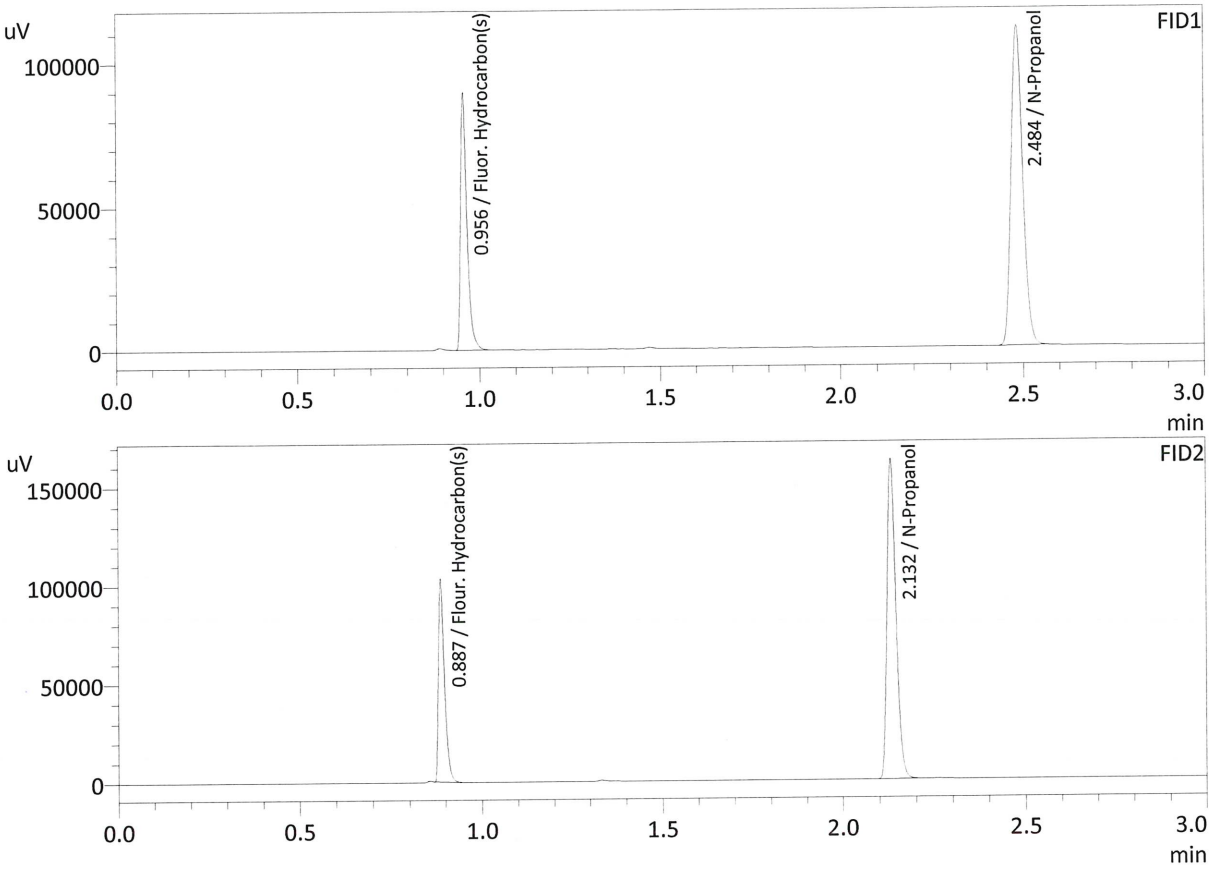
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231792	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	253126	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : 7/7/2022 8:28:48 PM
Vial # : 58
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



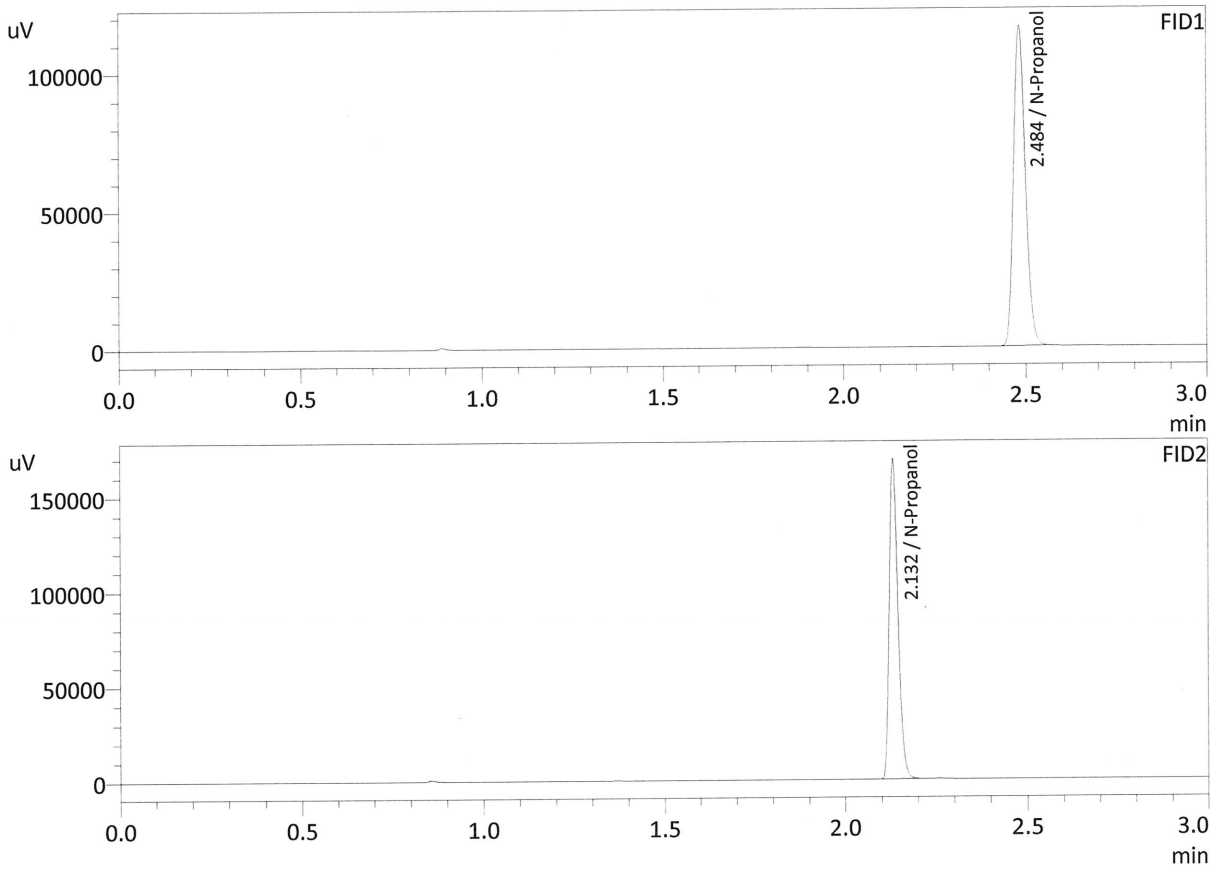
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246543	g/100cc
Fluor. Hydrocarbon(s)	0.0000	110456	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	269190	g/100cc
Flour. Hydrocarbon(s)	0.0000	119918	g/100cc

Sample Name : INT STD BLK 4
Laboratory : Meridian
Injection Date : 7/7/2022 8:36:26 PM
Vial # : 59
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

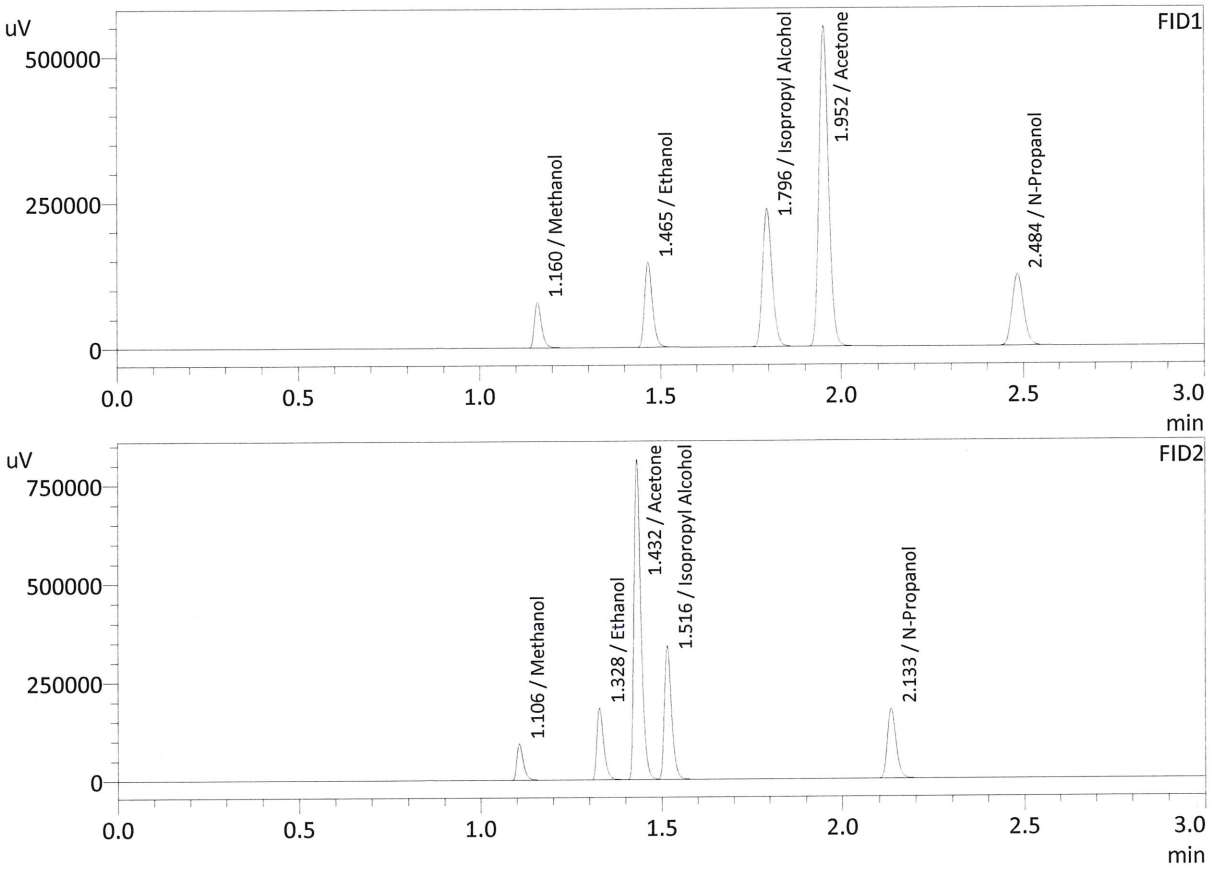
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256074	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279648	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : MIXED VOLATILES FN 06041902 EXP : 10/30/2024 7/8/22 RS
Laboratory : Meridian
Injection Date : 7/7/2022 8:45:56 PM
Vial # : 60
Method Filename : C:\LabSolutions\Data\220707\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

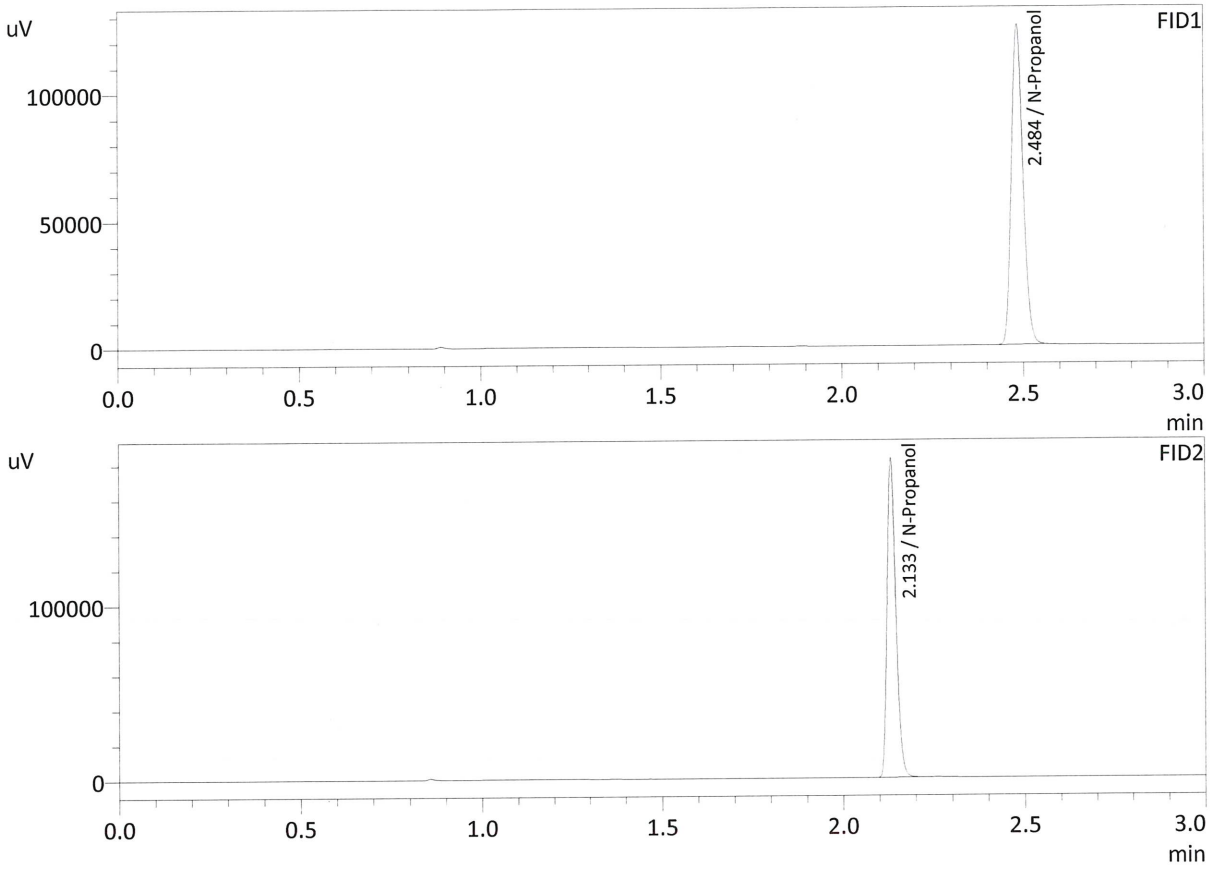
Name	Conc.	Area	Unit
Methanol	0.0000	105811	g/100cc
Ethanol	0.3809	221980	g/100cc
Isopropyl Alcohol	0.0000	434259	g/100cc
Acetone	0.0000	1008151	g/100cc
N-Propanol	0.0000	270111	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	115306	g/100cc
Ethanol	0.3815	241208	g/100cc
Acetone	0.0000	1090790	g/100cc
Isopropyl Alcohol	0.0000	471206	g/100cc
N-Propanol	0.0000	294133	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK 5
Laboratory : Meridian
Injection Date : 7/7/2022 8:53:31 PM
Vial # : 61
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	277092	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	302495	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc