REVIEWED

By Melissa (Nikka) Bradley at 2:10 pm, Nov 03, 2025

NB

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):** 10/31/25

Calibration Date: *(if different)* 10/30/25

Worklist #: 7294

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	May-27	2302199	0.0837	0.0754-0.0920	0.0818 g/100cc
					0.0843 g/100cc
					g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.1997 g/100cc
					0.2008 g/100cc
					g/100cc
Multi-Component mixture:	Exp:	May 2028	Lot #	FN05302307	
Curve Fit:			Column 1	0.99996	Column2 0.99994

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0515	0.0519	0.0004	0.0517
100	0.100	0.090 - 0.110	0.0990	0.0987	0.0003	0.0988
200	0.200	0.180 - 0.220	0.1991	0.1989	0.0002	0.199
300	0.300	0.270 - 0.330	0.2997	0.2996	0.0001	0.2996
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5006	0.0001	0.5005

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

JG

Internal Standard Monitoring Worksheet

Worklist #: 7294 **Run Date(s):** 10/31/25

Internal Standard Solution:	Prep Date:	9/5/2025	Exp Date:	3/5/2026

Sample Name	Column 1 Value	Column 2 Value
0.080	175258	185938
0.080	179537	190594
QC1	175239	186250
QC1	176642	187793
QC1	198774	211167
QC1	205391	218530
QC1		
QC1		
QC2	205290	218038
QC2	209556	222367
QC2	215560	229432
QC2	221207	235152
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	196245.4	156996.3	235494.5
Column 2	208526.1	166820.9	250231.3

JG

Samples were originally run 10/30/25. All samples were resampled and retested on 10/31/25 due to the QC1-1 and QC1-2 control samples results falling outside acceptable range.

All control testing passed for the 10/31/25 samples.

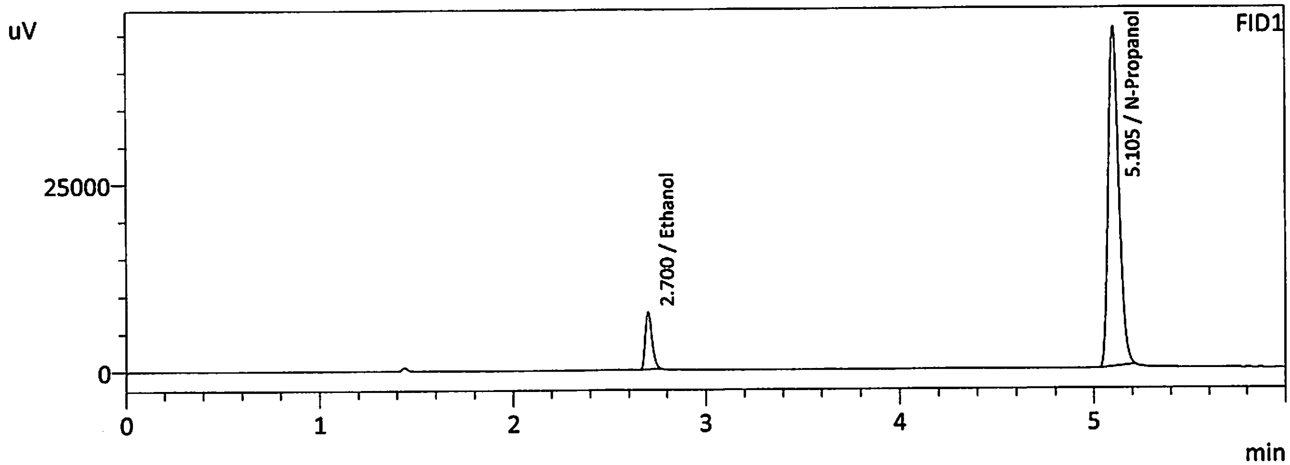
John G[illegible] 11/03/25

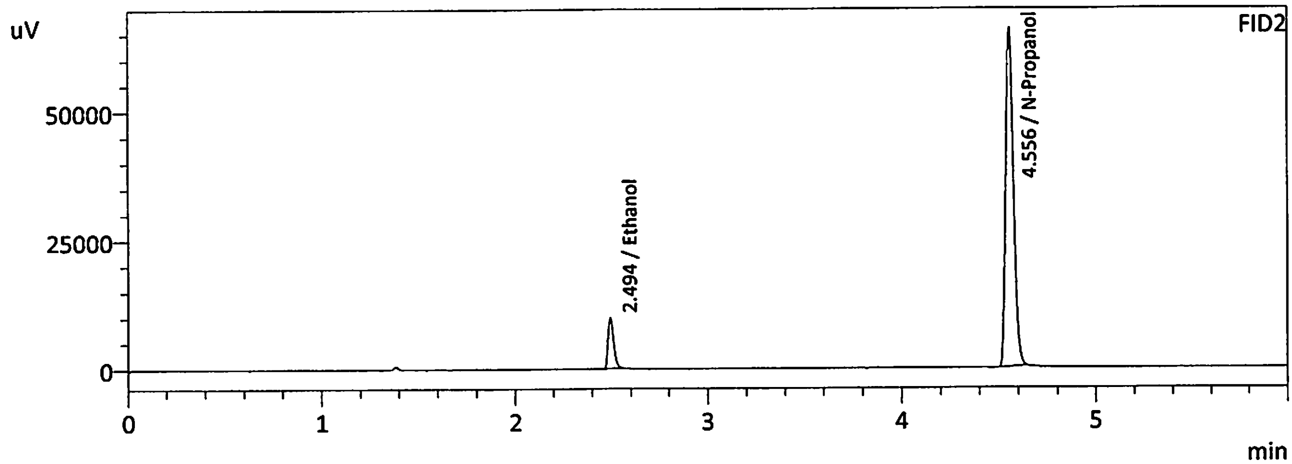
Worklist: 7294

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2025-3986	2	BCK	Alcohol Analysis
M2025-4266	1	BCK	Alcohol Analysis
M2025-4279	1	BCK	Alcohol Analysis
M2025-4280	1	BCK	Alcohol Analysis
M2025-4281	1	BCK	Alcohol Analysis
M2025-4296	1	BCK	Alcohol Analysis
M2025-4297	1	BCK	Alcohol Analysis
M2025-4298	1	BCK	Alcohol Analysis
M2025-4326	3	BCK	Alcohol Analysis
M2025-4327	1	BCK	Alcohol Analysis
M2025-4331	1	BCK	Alcohol Analysis
M2025-4333	1	BCK	Alcohol Analysis
M2025-4349	1	BCK	Alcohol Analysis
M2025-4351	1	BCK	Alcohol Analysis
M2025-4367	1	BCK	Alcohol Analysis
M2025-4373	1	BCK	Alcohol Analysis
M2025-4396	1	BCK	Alcohol Analysis
M2025-4405	1	BCK	Alcohol Analysis
M2025-4406	1	BCK	Alcohol Analysis
M2025-4407	1	BCK	Alcohol Analysis
P2025-3149	1	BCK	Alcohol Analysis

JL

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 10/30/2025 11:49:42 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

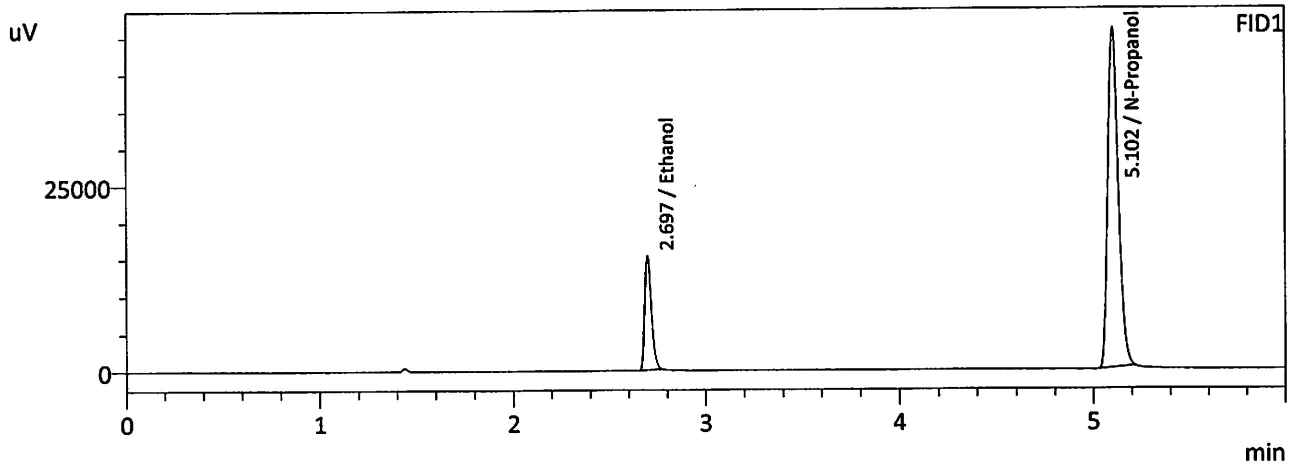
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0515	18494	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	171825	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

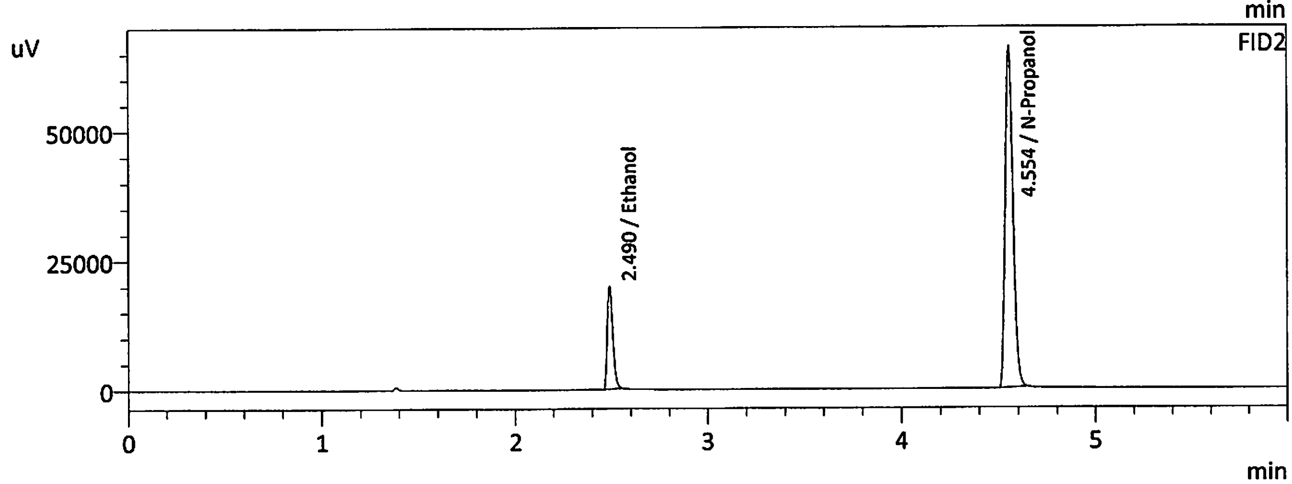
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0519	19626	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182050	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 10/30/2025 12:02:26 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

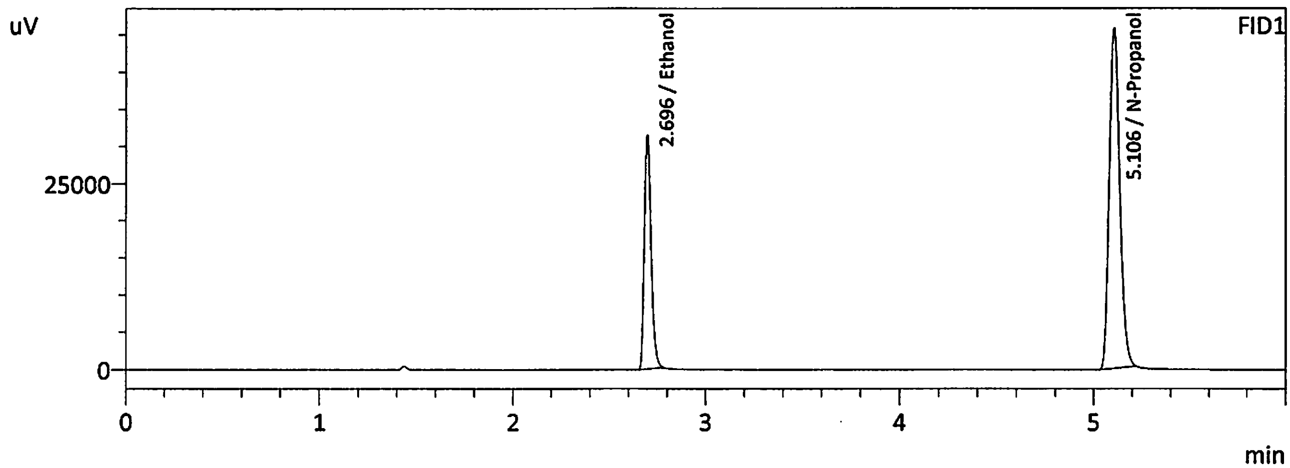
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	37017	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172472	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

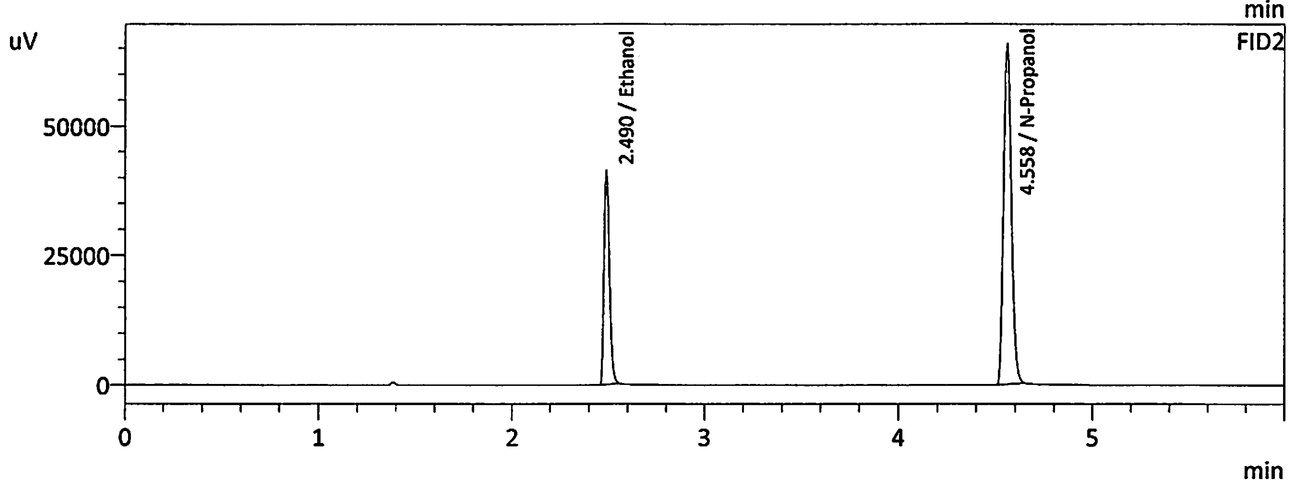
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0987	39157	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182842	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 10/30/2025 12:14:31 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

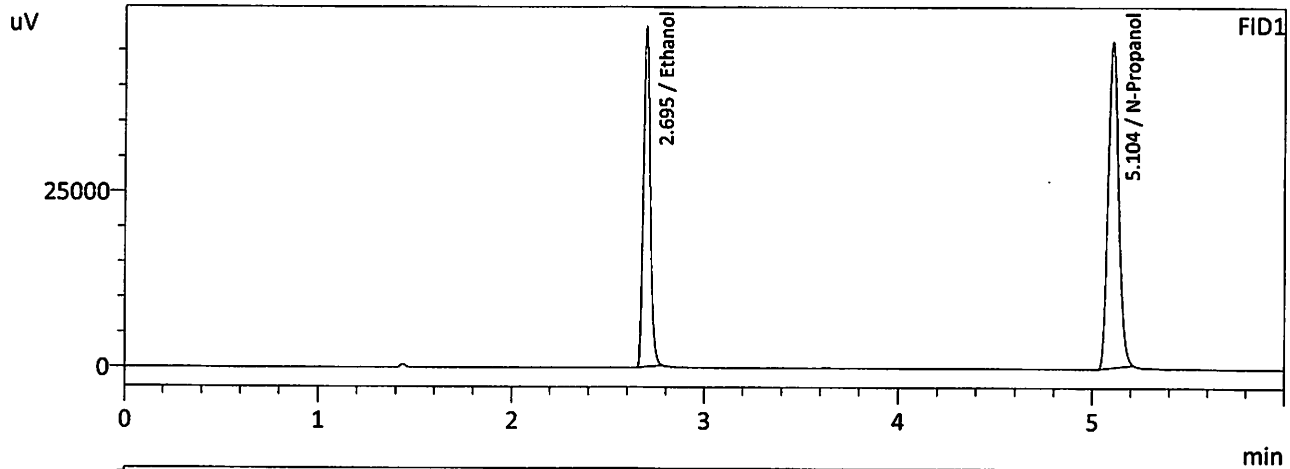
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1991	76102	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172870	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

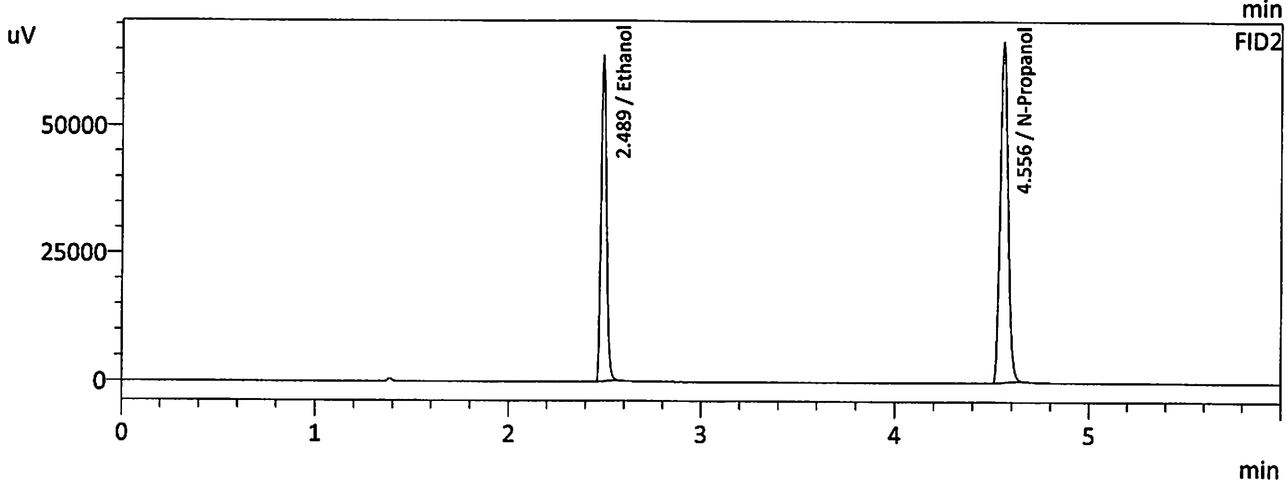
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1989	80675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182783	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: 0.300
Laboratory	: Meridian
Injection Date	: 10/30/2025 12:27:10 PM
Vial #	: 4
Method Filename	: Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

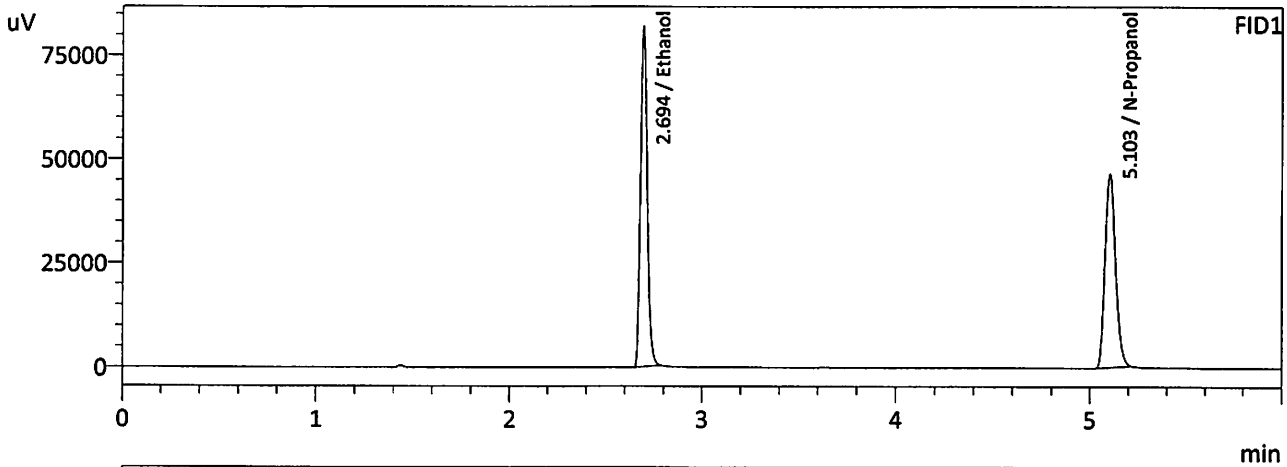
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2997	116687	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174976	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

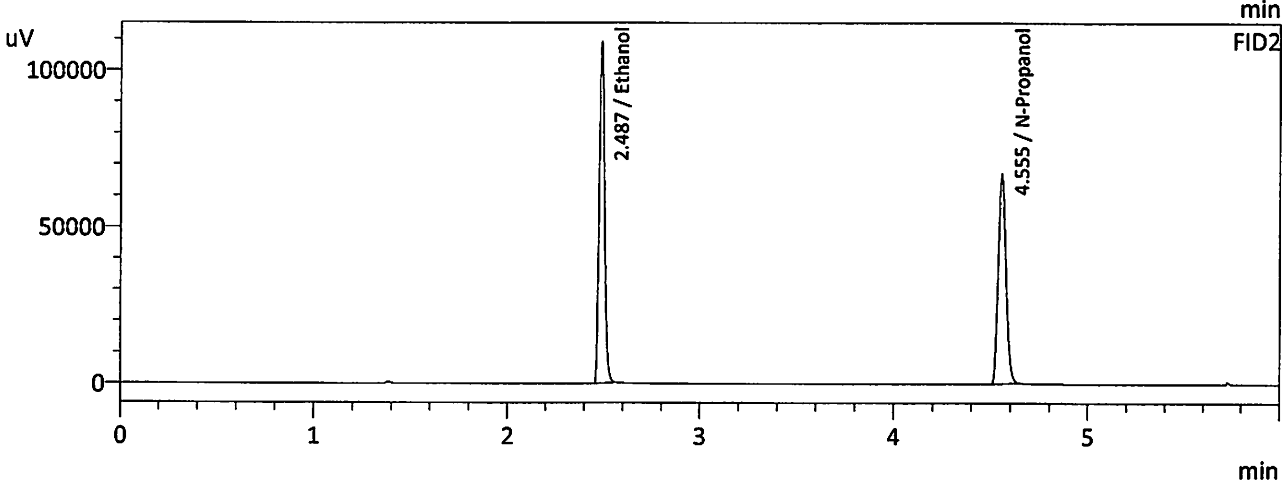
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2996	124201	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185357	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 10/30/2025 12:39:34 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

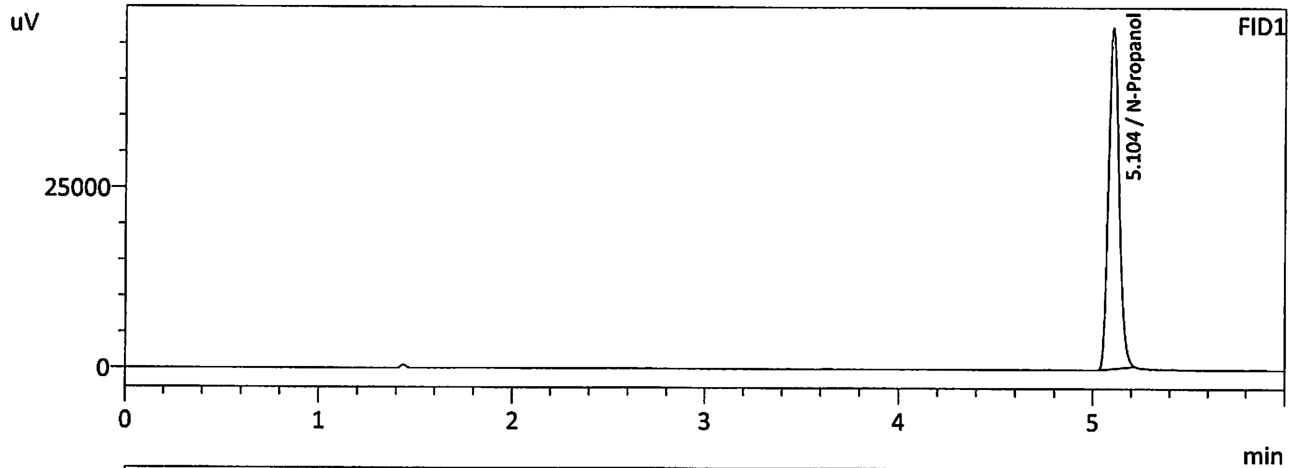
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5005	196661	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175749	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

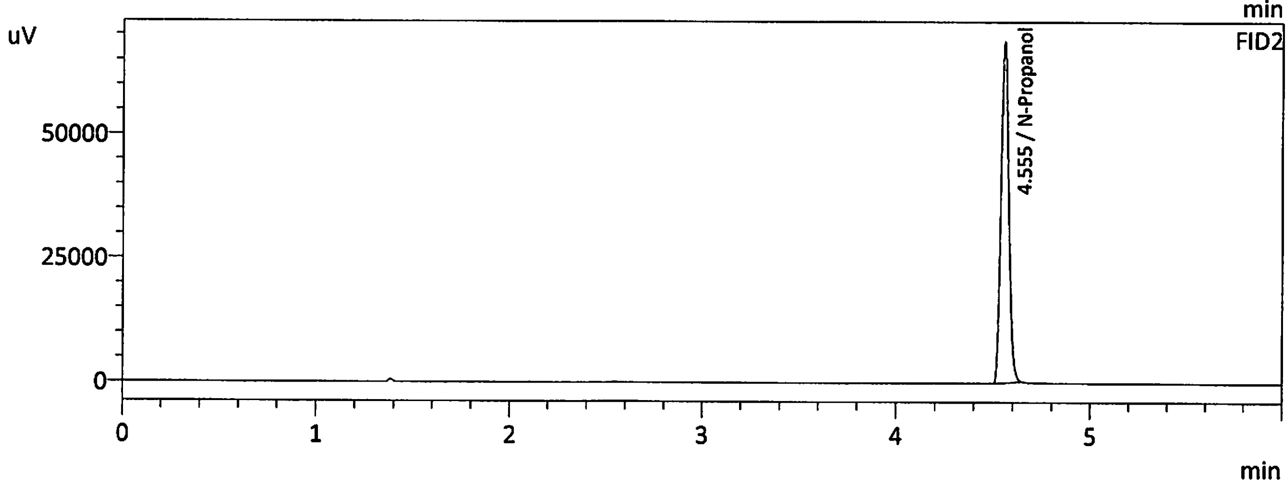
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5006	209405	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185954	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 10/30/2025 12:51:59 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.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	179719	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	190056	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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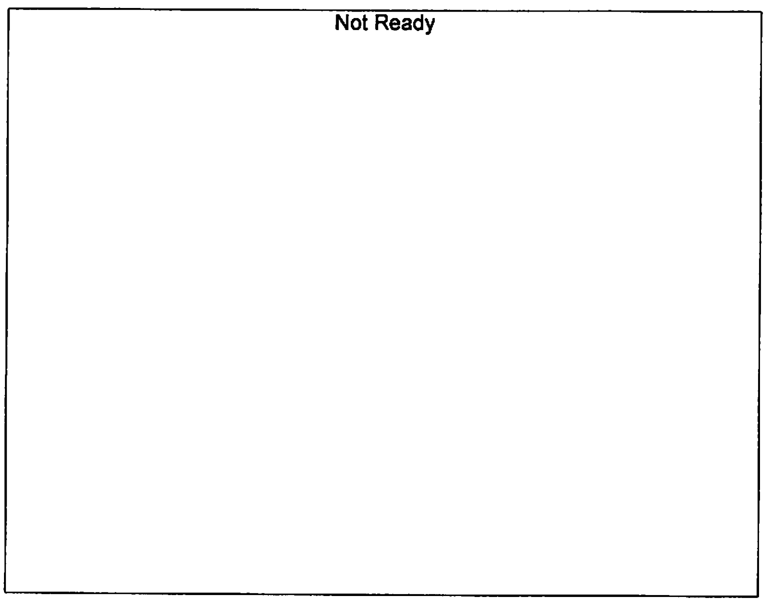
Calibration Table

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

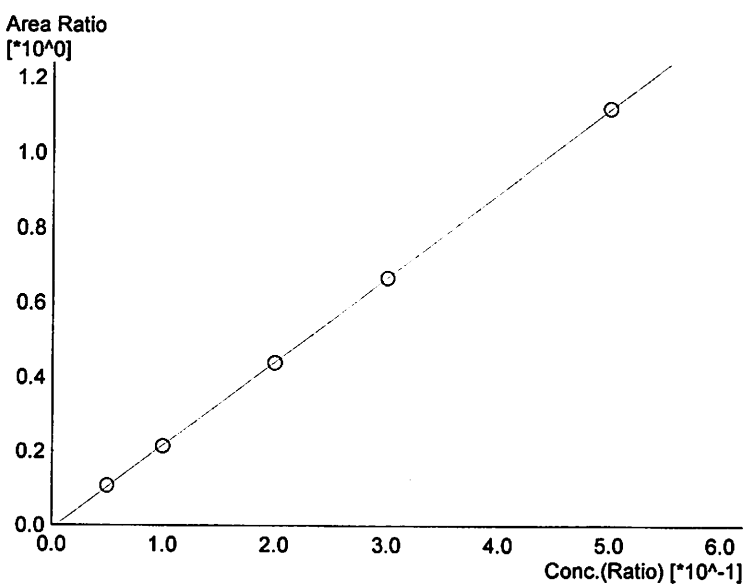
<<Data File>>

Method File	:Default Project - ALCOHOL_251030JG.gcm
Batch File	:Default Project - CALCURVE_251030JG.gcb
Date Acquired	:10/30/2025 12:39:34 PM
Date Created	:10/30/2025 12:33:14 PM
Date Modified	:10/30/2025 12:45:36 PM



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)=2.25254*x-0.00841564
R^2 value= 0.9999668
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18494	0.0515
2	0.100	37017	0.0990
3	0.200	76102	0.1991
4	0.300	116687	0.2997
5	0.500	196661	0.5005

J6

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

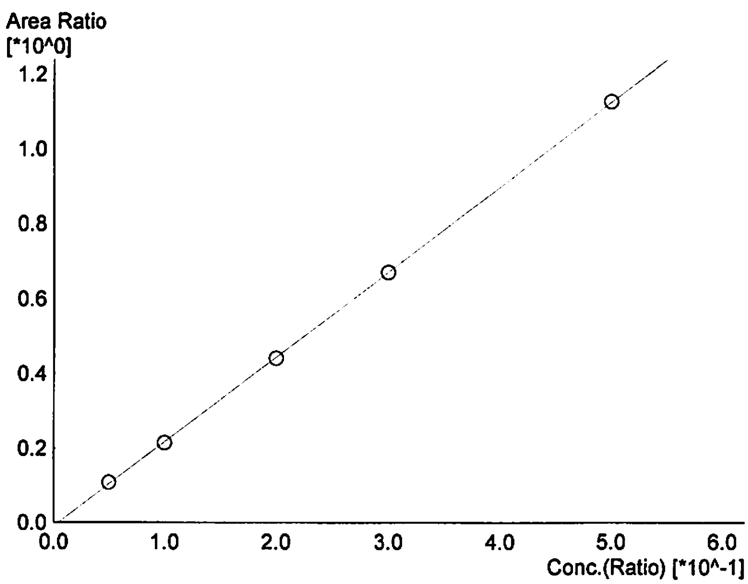
#	Conc.	Area	Std. Conc.

J6

Not Ready

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)=2.26928*x-0.0100317
R^2 value= 0.9999463
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19626	0.0519
2	0.100	39157	0.0987
3	0.200	80675	0.1989
4	0.300	124201	0.2996
5	0.500	209405	0.5006

Not Ready

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

#	Conc.	Area	Std. Conc.

J6

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

J6

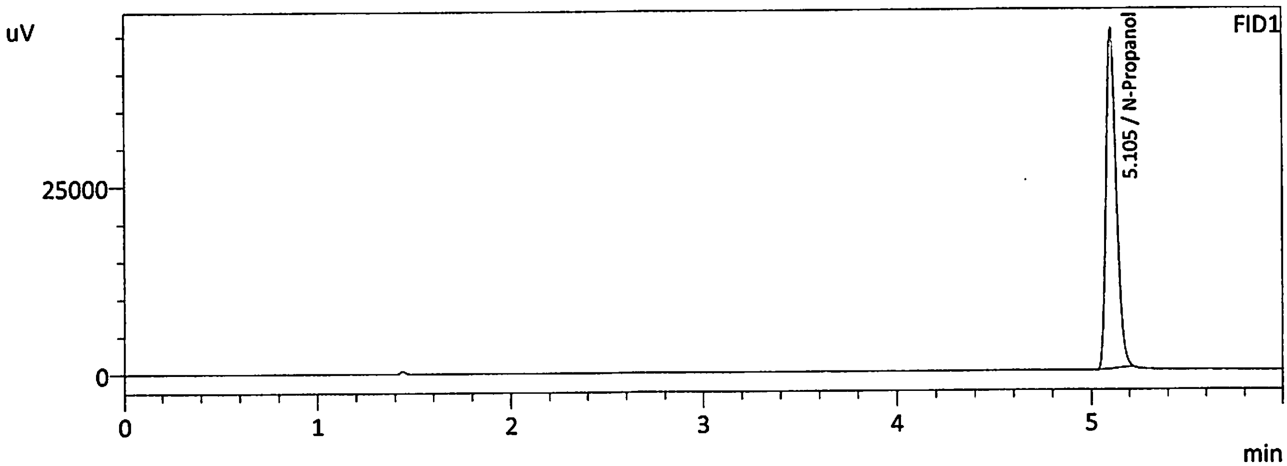
Meridian Blood Alcohol Analysis Batch Table

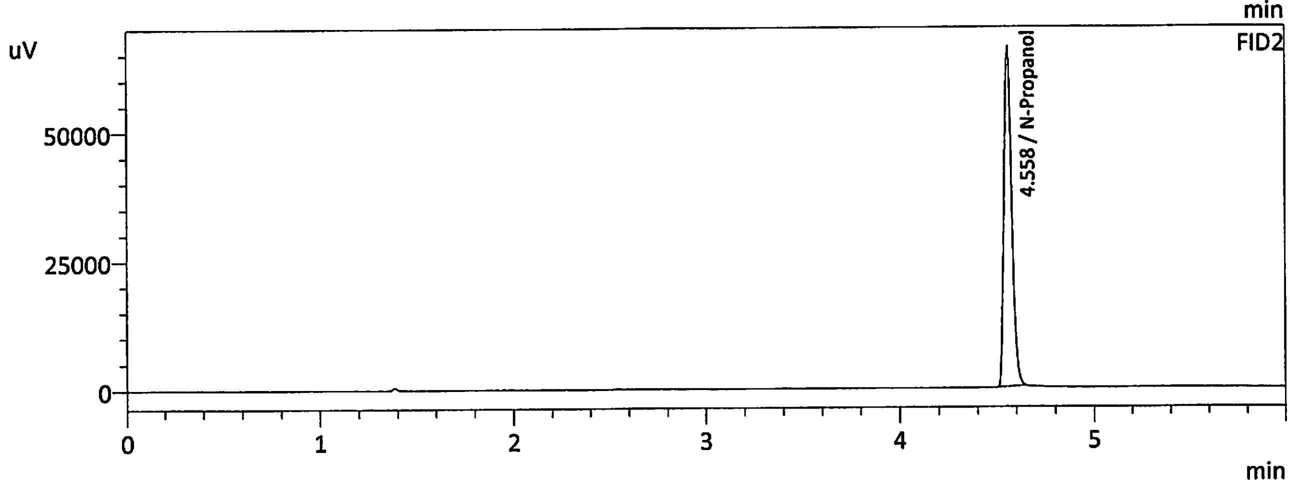
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 251030JG.gcm
2	0.100	1:Standard	2	ALCOHOL 251030JG.gcm
3	0.200	1:Standard	3	ALCOHOL 251030JG.gcm
4	0.300	1:Standard	4	ALCOHOL 251030JG.gcm
5	0.500	1:Standard	5	ALCOHOL 251030JG.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 251030JG.gcm

JG

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 10/31/2025 12:05:39 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

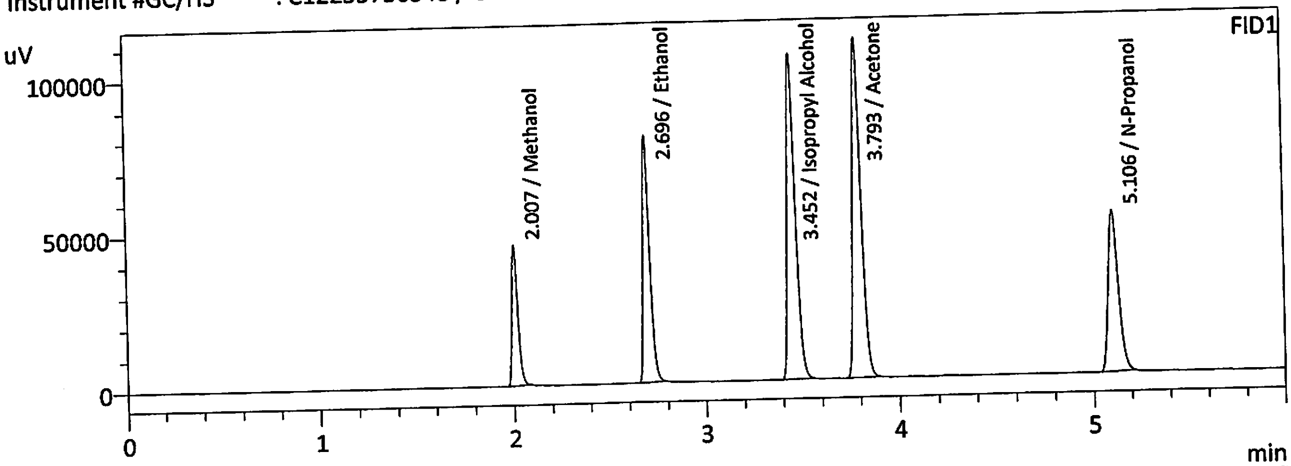
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172455	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

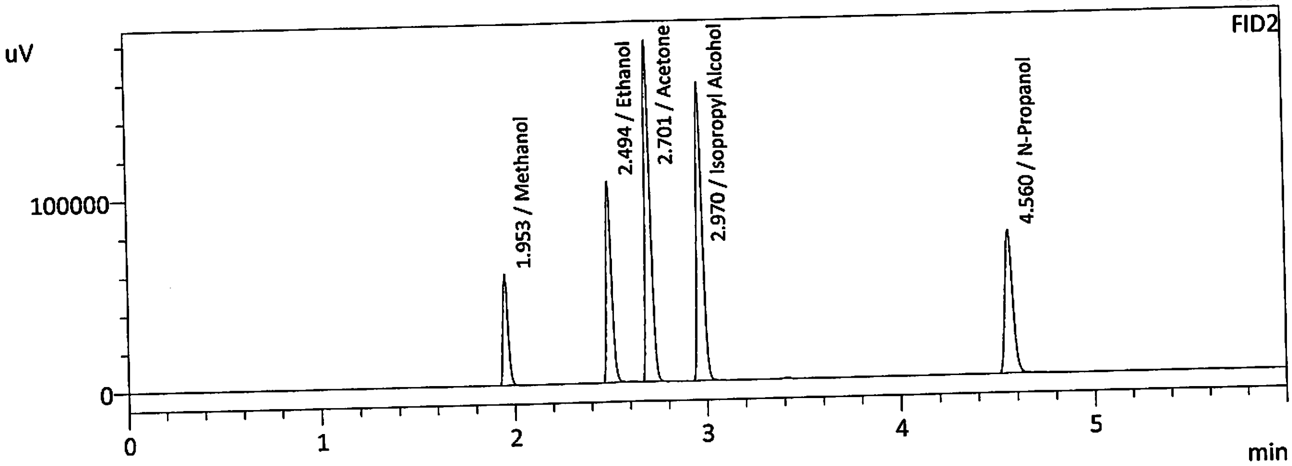
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183170	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 10/31/2025 12:18:24 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	96426	g/100cc
Ethanol	0.4398	193386	g/100cc
Isopropyl Alcohol	0.0000	311386	g/100cc
Acetone	0.0000	330495	g/100cc
N-Propanol	0.0000	196847	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	104903	g/100cc
Ethanol	0.4406	205487	g/100cc
Acetone	0.0000	351222	g/100cc
Isopropyl Alcohol	0.0000	326238	g/100cc
N-Propanol	0.0000	207588	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 10/31/2025 12:55:17 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0824	0.0002	0.0823	0.0009	0.0818
(g/100cc)	0.0813	0.0816	0.0003	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

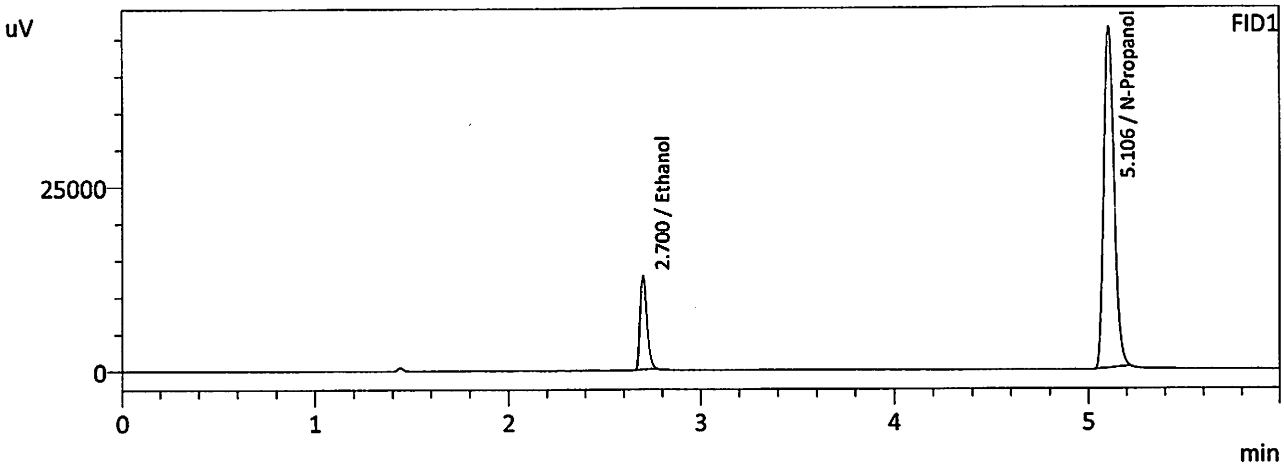
Refer To Instrument Method: ALCOHOL_251030JG.gcm

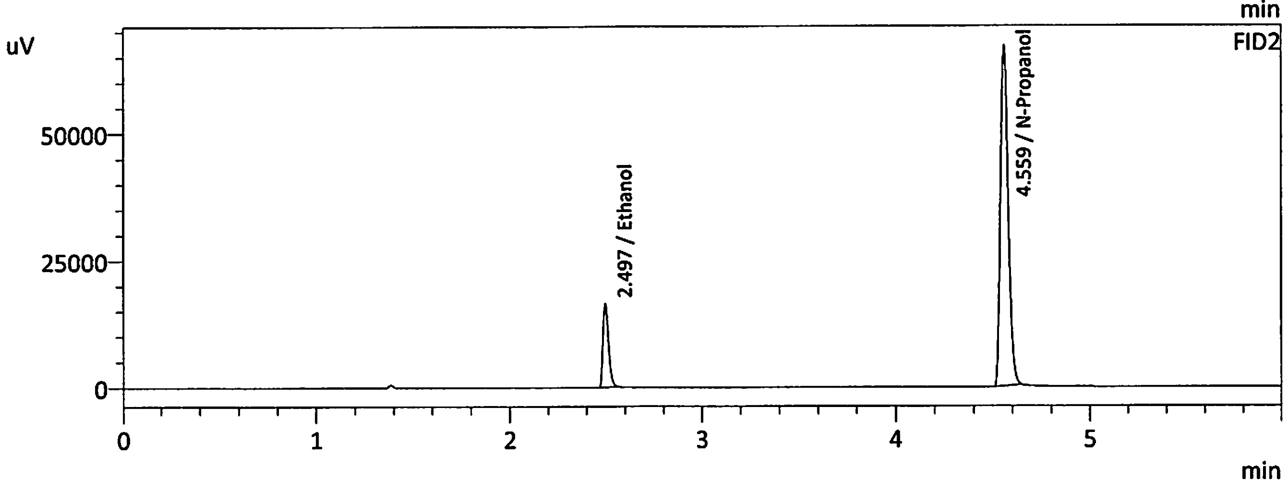
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

Sample Name	: 0.08 QA
Laboratory	: Meridian
Injection Date	: 10/31/2025 12:55:17 PM
Vial #	: 5
Method Filename	: Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

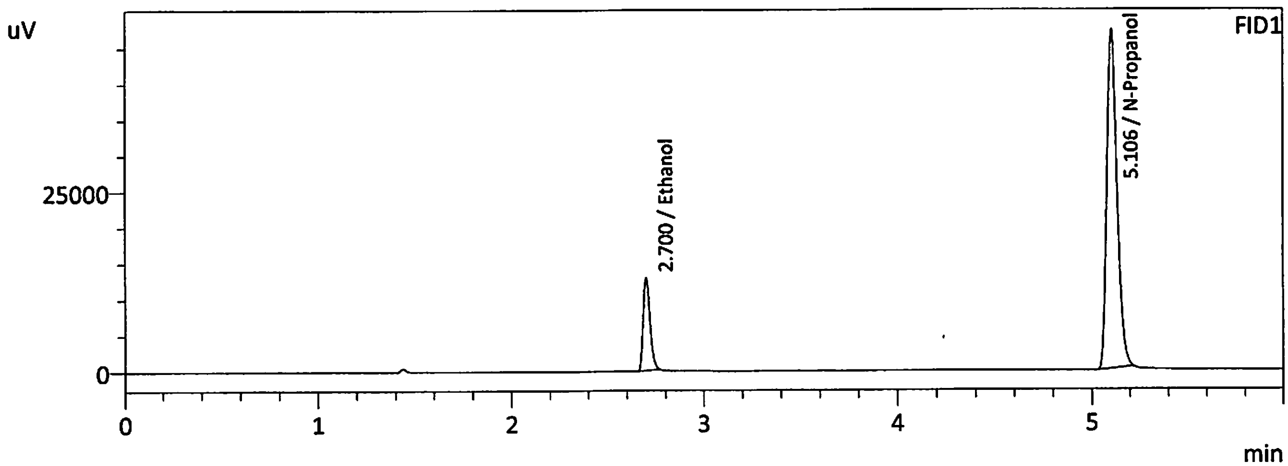
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	30985	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175258	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

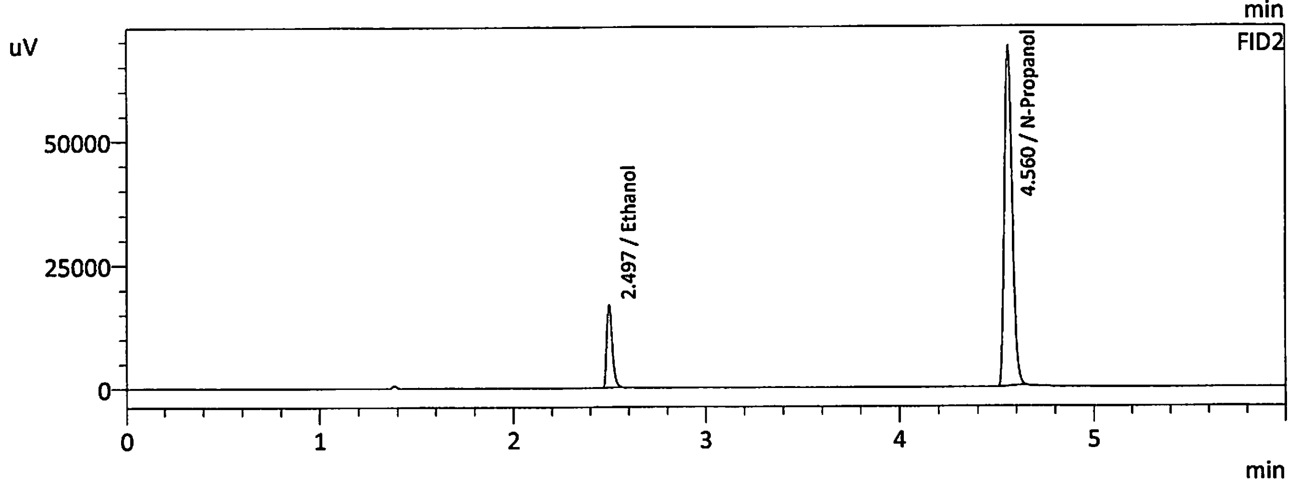
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	32932	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185938	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 10/31/2025 1:07:25 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	31399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179537	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	33412	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190594	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s):** 10/31/2025 12:30:35 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0821	0.0001	0.0820	0.0004	0.0818
(g/100cc)	0.0814	0.0818	0.0004	0.0816		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

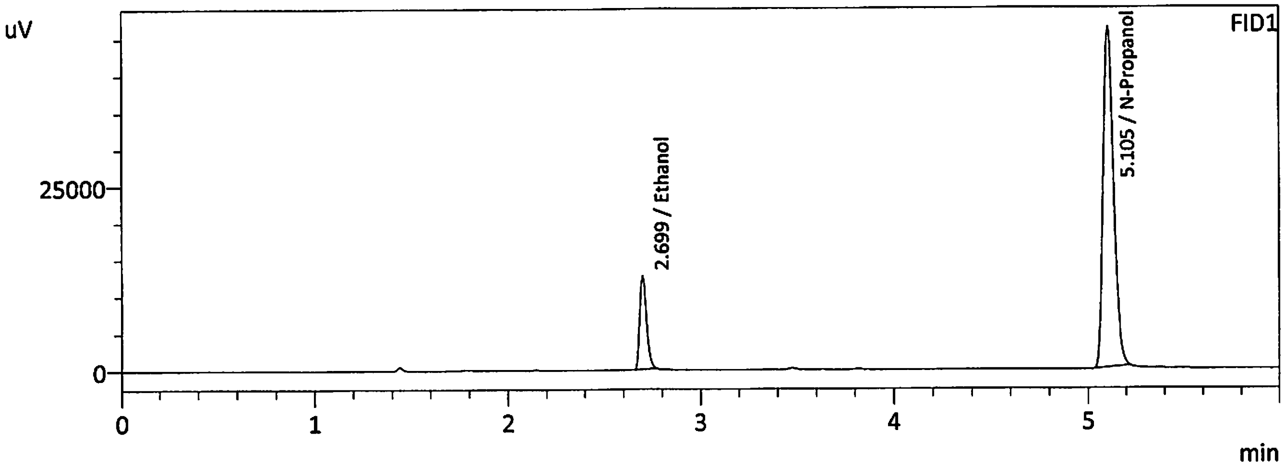
Refer To Instrument Method: ALCOHOL_251030JG.gcm

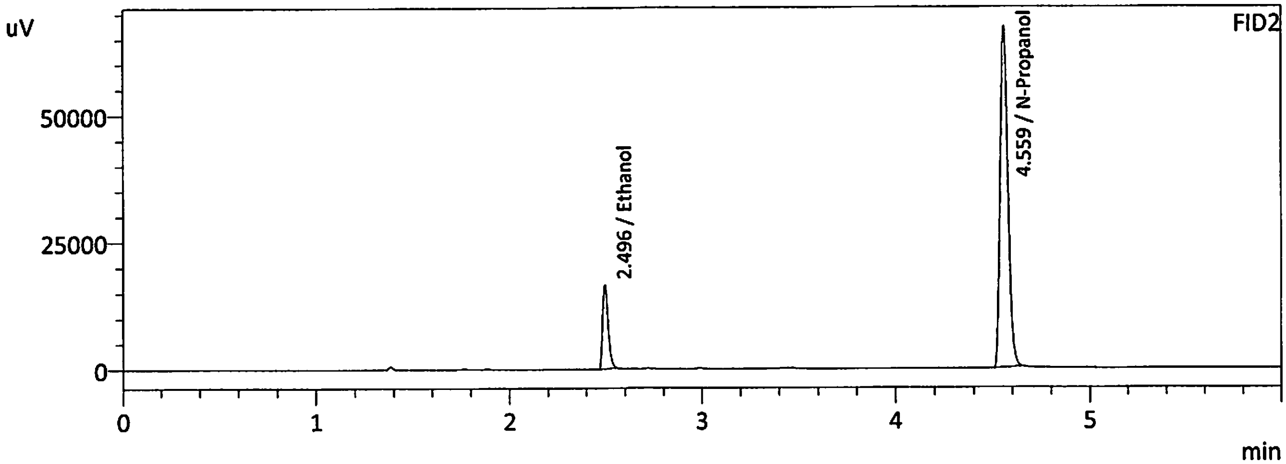
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 10/31/2025 12:30:35 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

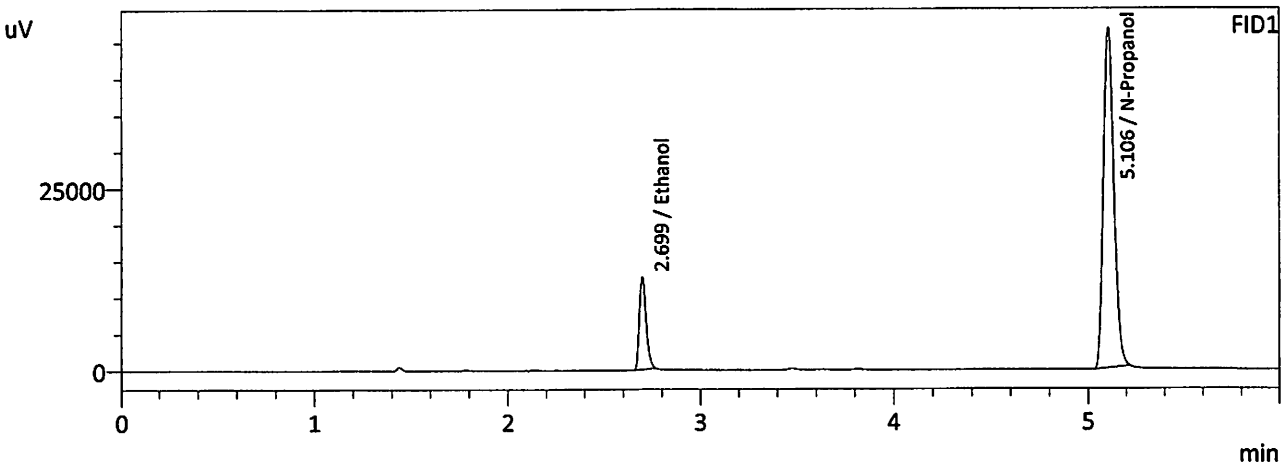
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	30929	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175239	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

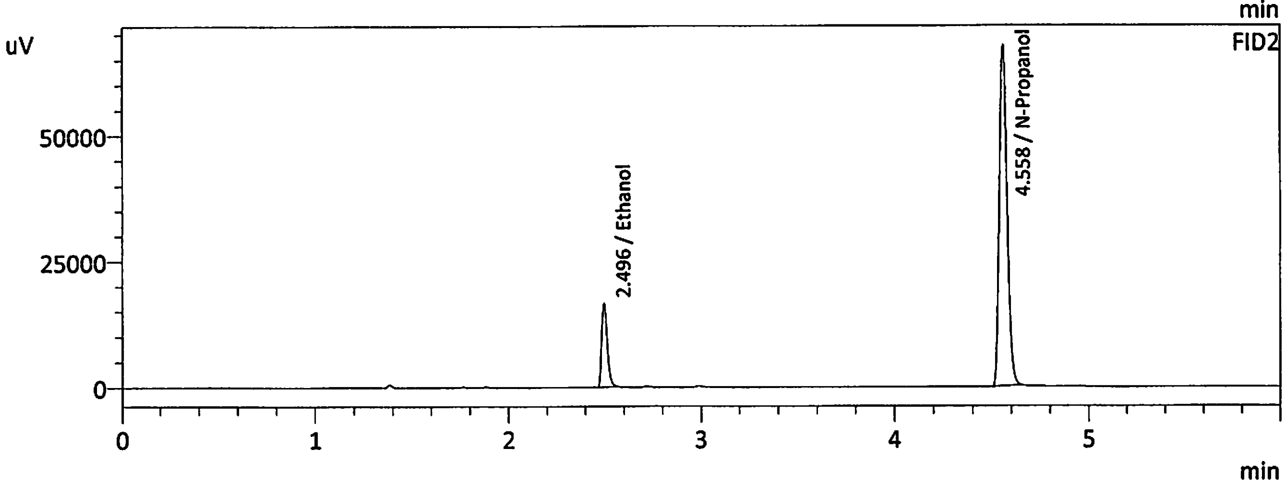
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	32865	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186250	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: QC-1-1-B
Laboratory	: Meridian
Injection Date	: 10/31/2025 12:42:53 PM
Vial #	: 4
Method Filename	: Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0814	30933	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	176642	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	32996	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187793	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s):** 10/31/2025 9:33:58 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0834	0.0844	0.0010	0.0839	0.0009	0.0843
(g/100cc)	0.0842	0.0854	0.0012	0.0848		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

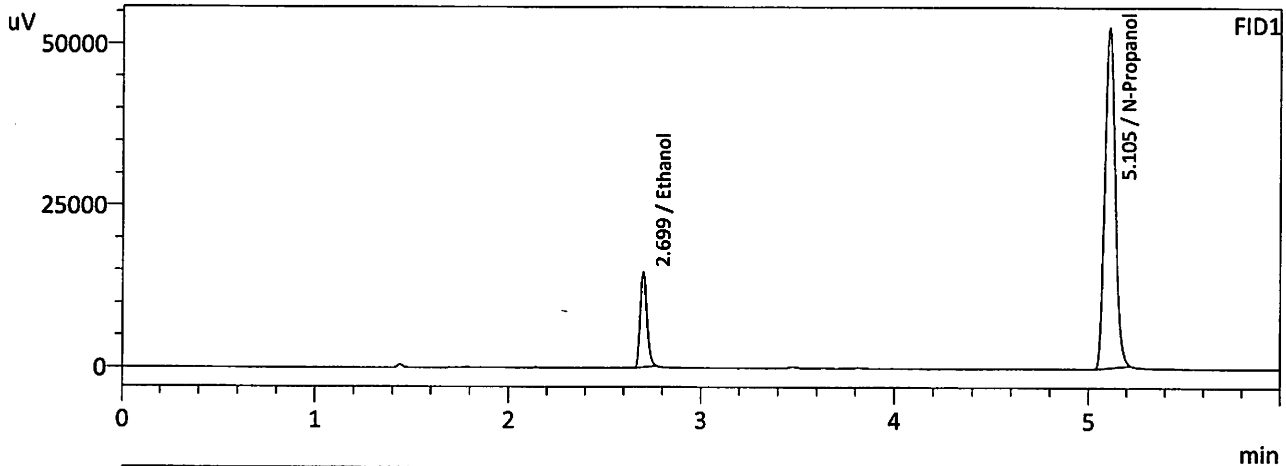
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.084	0.079	0.089	0.005

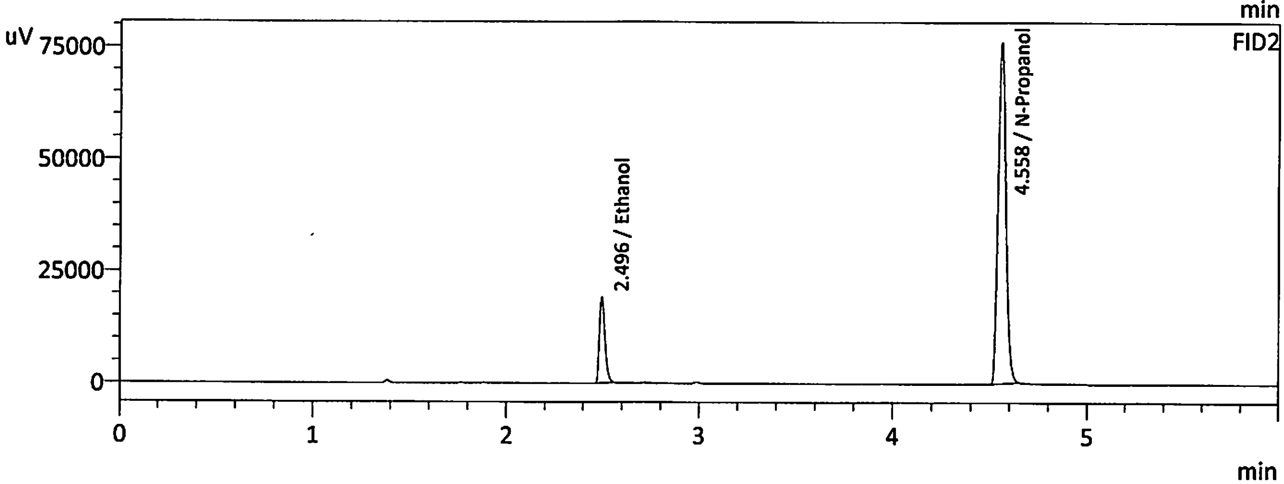
	Reported Results	
	0.084	

Calibration and control data are stored centrally.

JG

Sample Name : QC1-2
Laboratory : Meridian
Injection Date : 10/31/2025 9:33:58 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

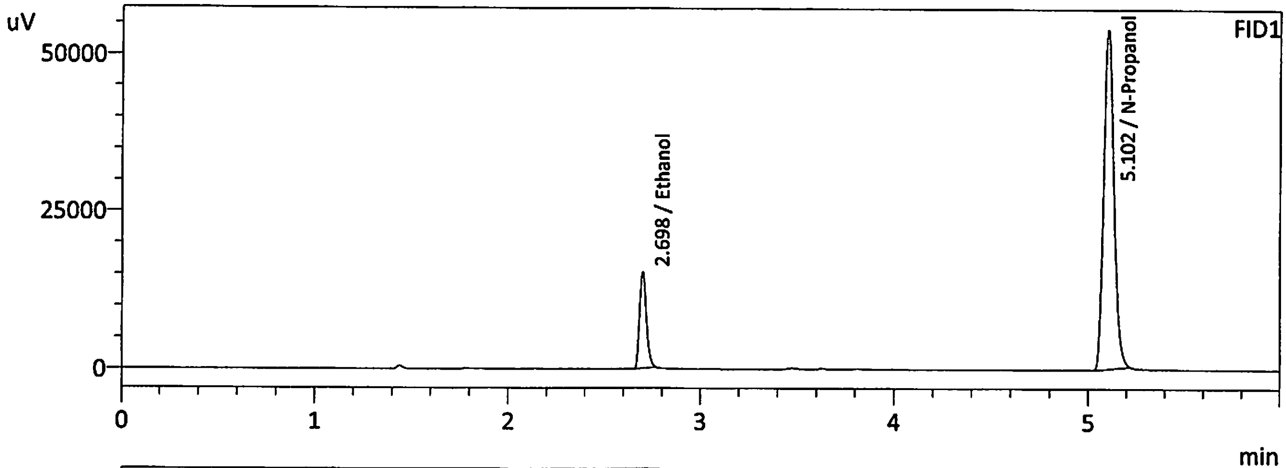
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	35704	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198774	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

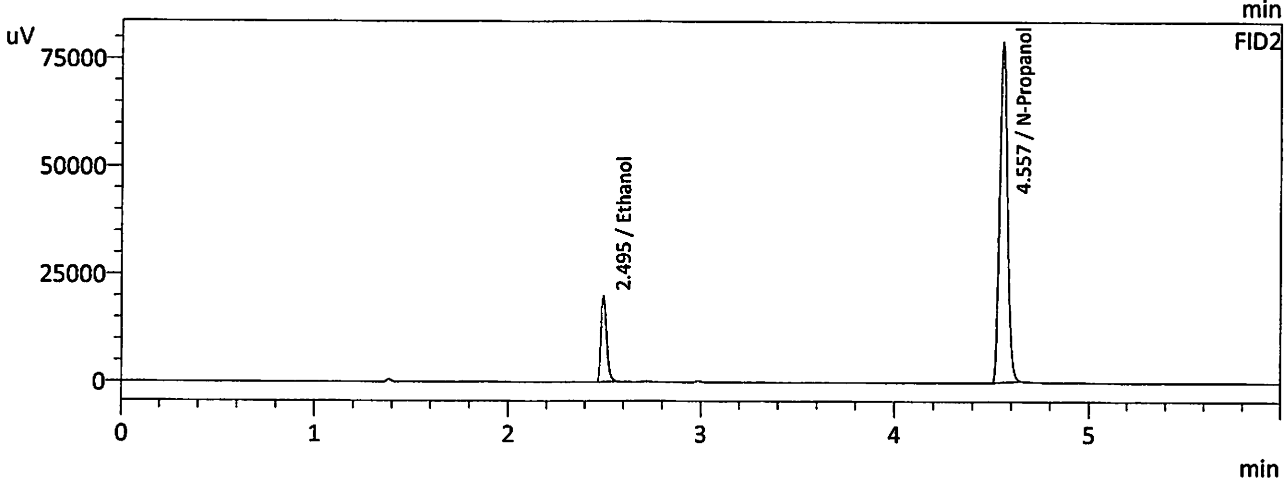
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0844	38332	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211167	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 10/31/2025 9:46:04 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0842	37243	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205391	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0854	40191	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218530	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s):** 10/31/2025 5:02:36 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1990	0.2001	0.0011	0.1995	0.0003	0.1997
(g/100cc)	0.1993	0.2004	0.0011	0.1998		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

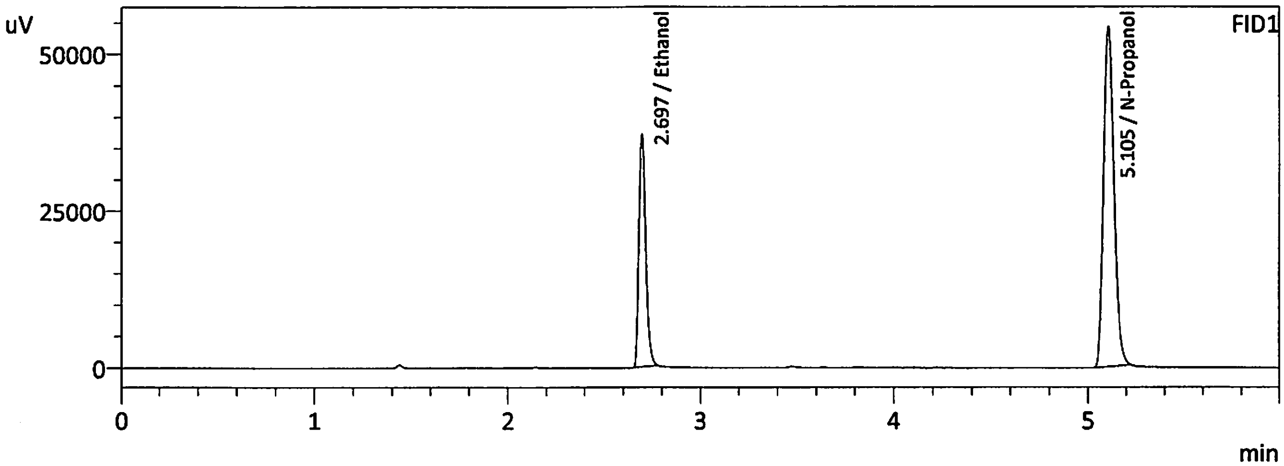
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.199	0.189	0.209	0.010

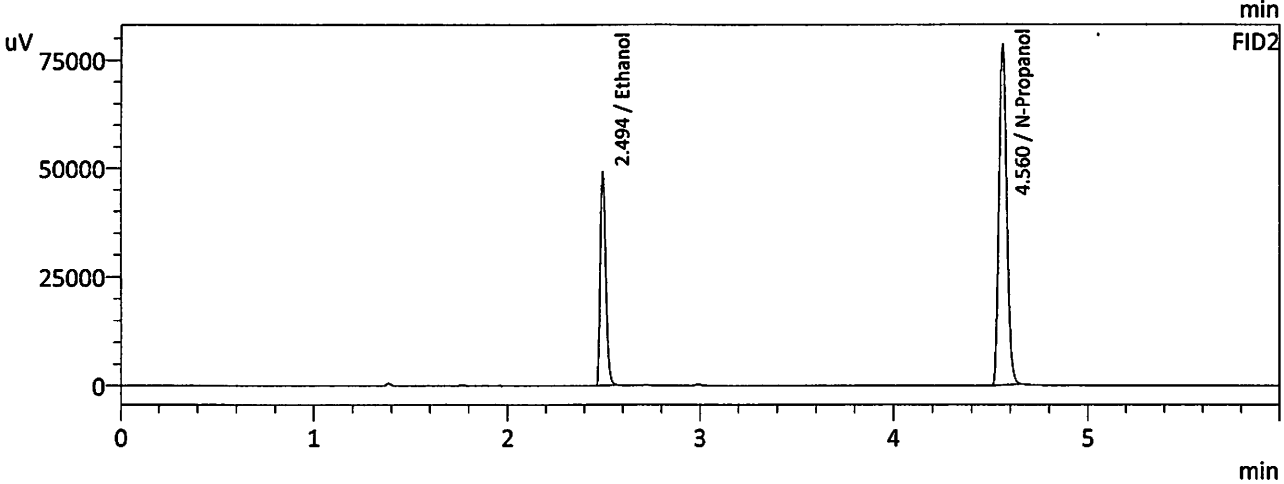
Reported Results
0.199

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 10/31/2025 5:02:36 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

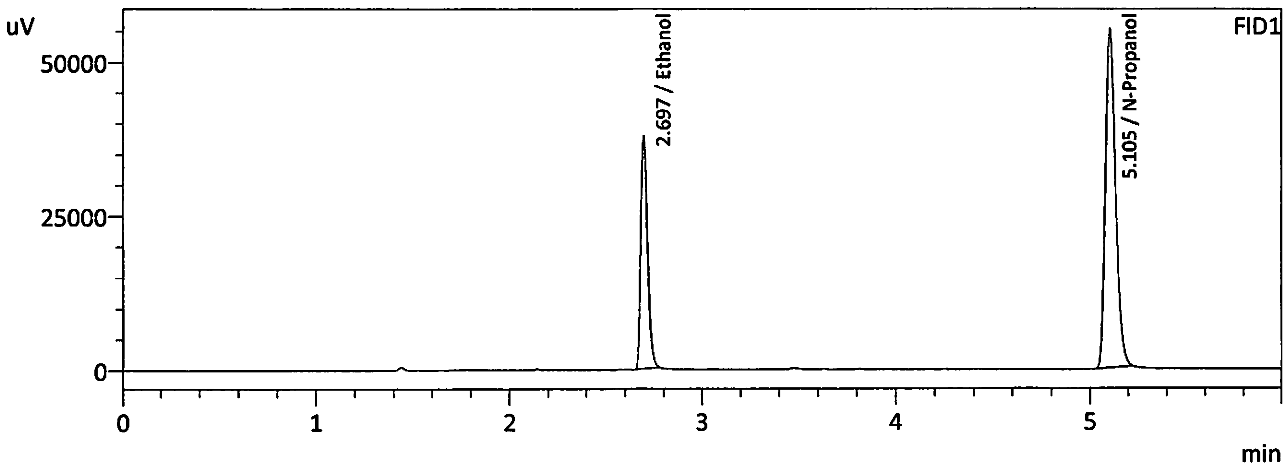
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1990	90334	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205290	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

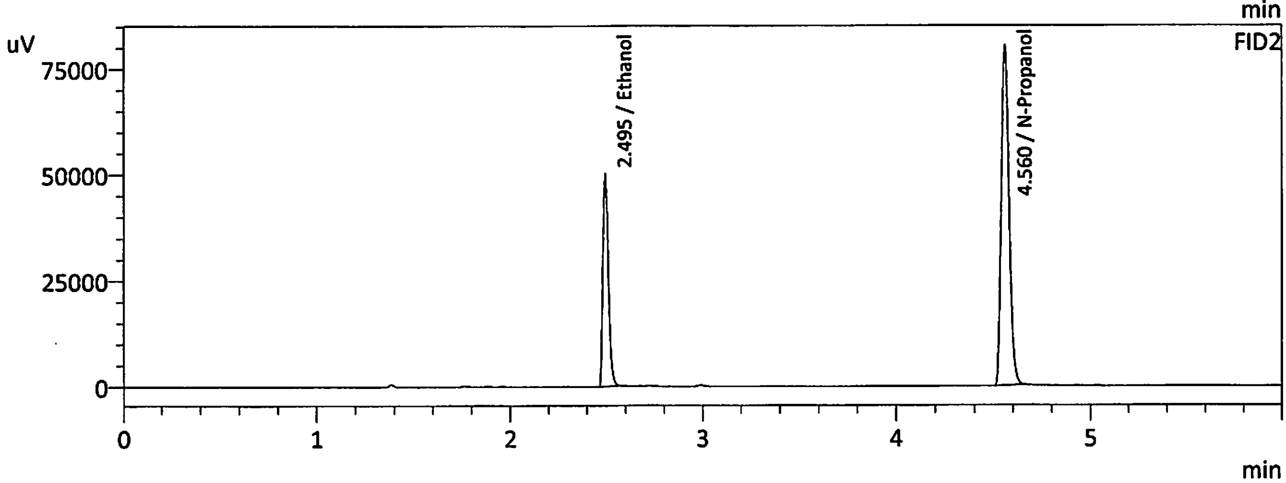
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2001	96848	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218038	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 10/31/2025 5:15:03 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1993	92336	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209556	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2004	98924	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222367	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s): 10/31/2025 10:48:10 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2006	0.2015	0.0009	0.2010	0.0003	0.2008
(g/100cc)	0.2005	0.2009	0.0004	0.2007		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

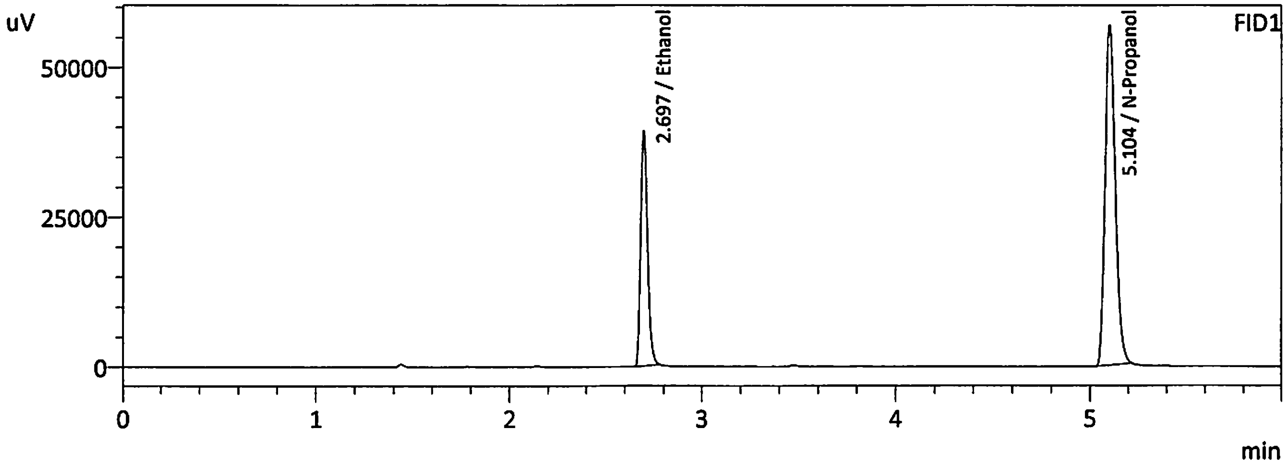
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.200	0.190	0.210	0.010

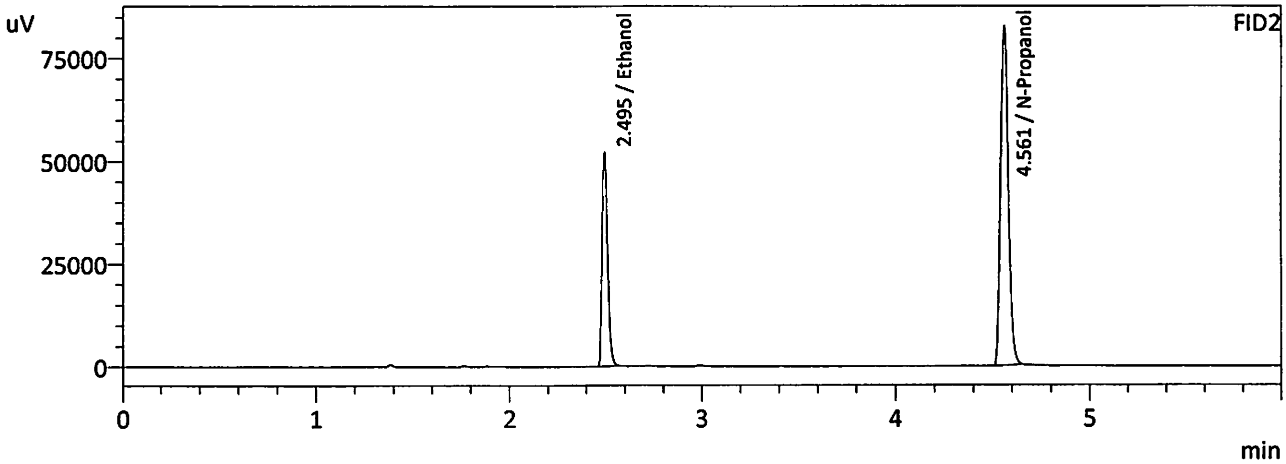
	Reported Results	
	0.200	

Calibration and control data are stored centrally.

JC

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 10/31/2025 10:48:10 PM
Vial # : 53
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

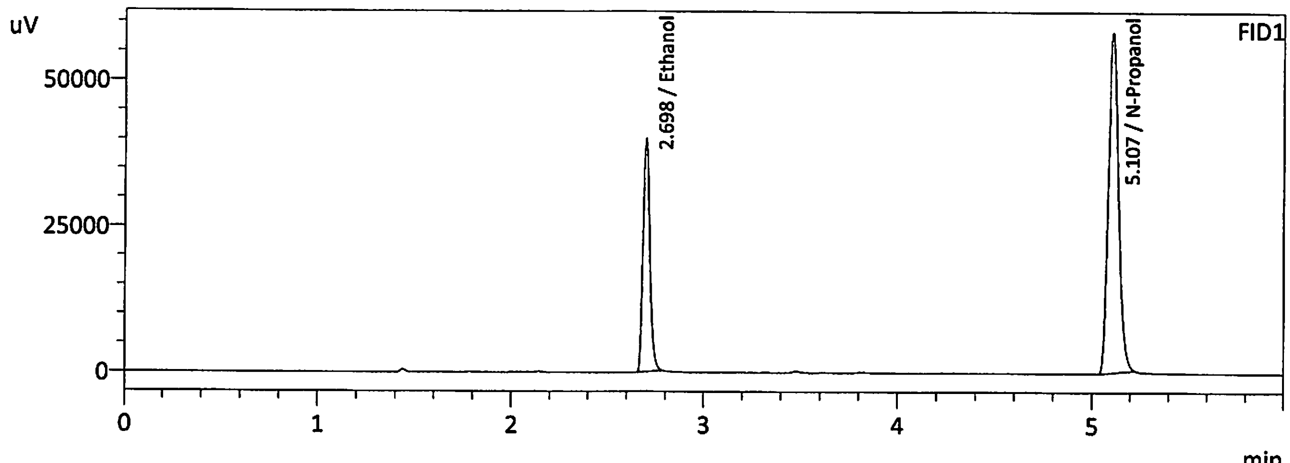
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2006	95629	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215560	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

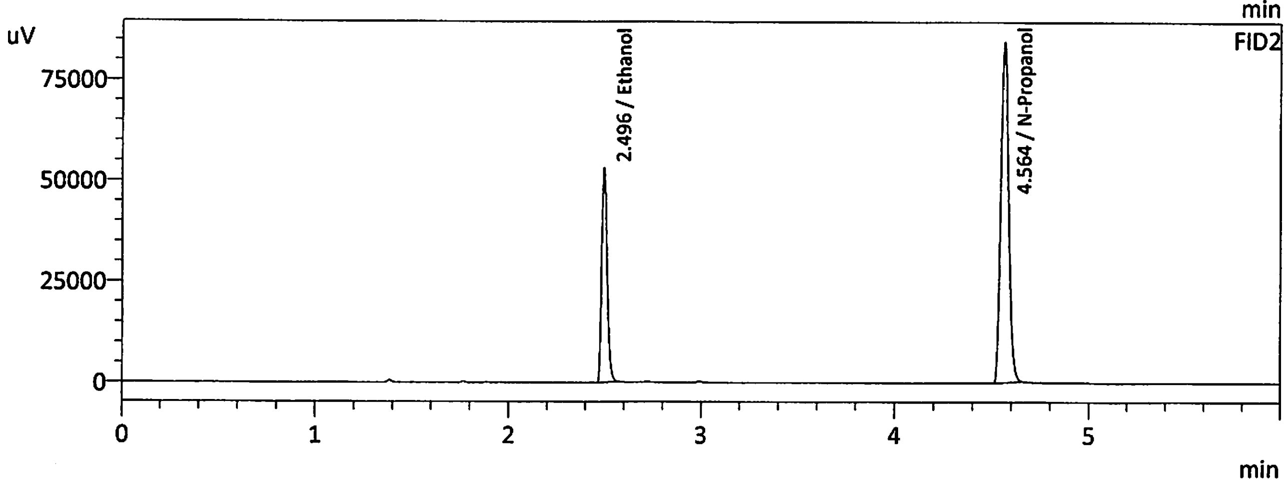
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2015	102627	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229432	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 10/31/2025 11:00:39 PM
Vial # : 54
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

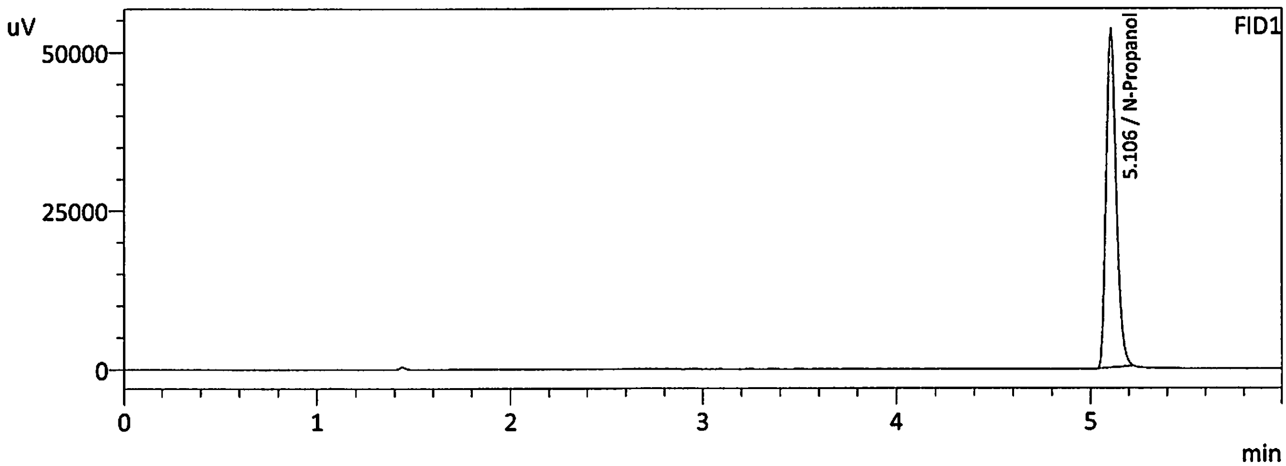
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2005	98066	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221207	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

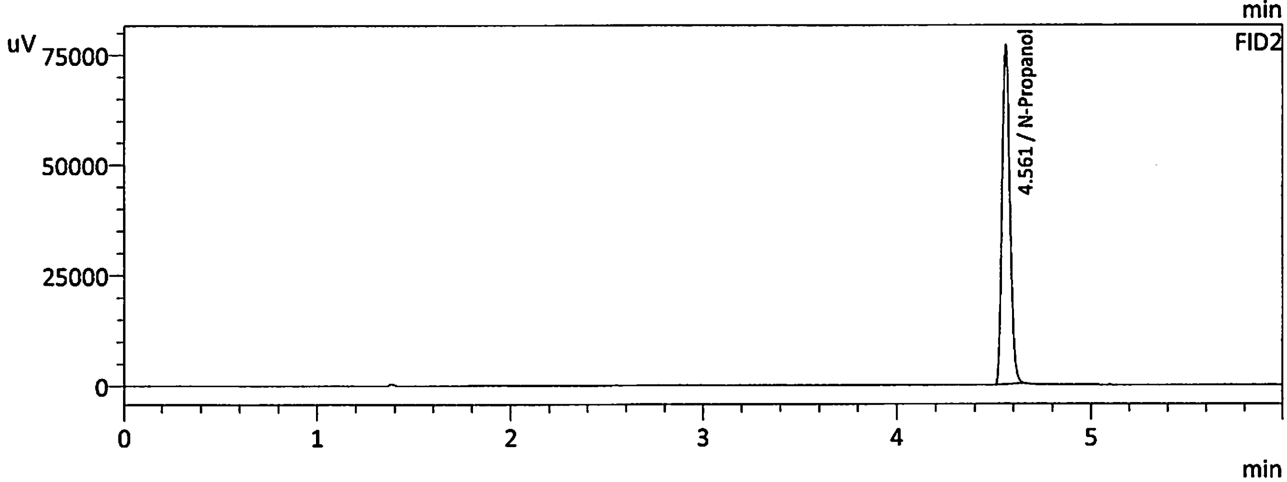
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2009	104892	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235152	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 10/31/2025 11:12:57 PM
Vial # : 55
Method Filename : Default Project - ALCOHOL_251030JG.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	201950	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	214422	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

M2025-3986-2
M2025-3986-2-B
JG 11/3/25

M2025-4326-3
M2025-4326-3-B
JG 11/3/25

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 251030JG.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 251030JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 251030JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 251030JG.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 251030JG.gcm
7	M~~2025-3986-1~~	0:Unknown	0	ALCOHOL 251030JG.gcm
8	M~~2025-3986-1-B~~	0:Unknown	0	ALCOHOL 251030JG.gcm
9	M2025-4266-1	0:Unknown	0	ALCOHOL 251030JG.gcm
10	M2025-4266-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
11	M2025-4279-1	0:Unknown	0	ALCOHOL 251030JG.gcm
12	M2025-4279-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
13	M2025-4280-1	0:Unknown	0	ALCOHOL 251030JG.gcm
14	M2025-4280-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
15	M2025-4281-1	0:Unknown	0	ALCOHOL 251030JG.gcm
16	M2025-4281-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
17	M2025-4296-1	0:Unknown	0	ALCOHOL 251030JG.gcm
18	M2025-4296-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
19	M2025-4297-1	0:Unknown	0	ALCOHOL 251030JG.gcm
20	M2025-4297-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
21	M2025-4298-1	0:Unknown	0	ALCOHOL 251030JG.gcm
22	M2025-4298-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
23	M~~2025-4326-1~~	0:Unknown	0	ALCOHOL 251030JG.gcm
24	M~~2025-4326--B~~	0:Unknown	0	ALCOHOL 251030JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 251030JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
27	M2025-4327-1	0:Unknown	0	ALCOHOL 251030JG.gcm
28	M2025-4327-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
29	M2025-4331-1	0:Unknown	0	ALCOHOL 251030JG.gcm
30	M2025-4331-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
31	M2025-4333-1	0:Unknown	0	ALCOHOL 251030JG.gcm
32	M2025-4333-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
33	M2025-4349-1	0:Unknown	0	ALCOHOL 251030JG.gcm
34	M2025-4349-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
35	M2025-4351-1	0:Unknown	0	ALCOHOL 251030JG.gcm
36	M2025-4351-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
37	M2025-4367-1	0:Unknown	0	ALCOHOL 251030JG.gcm
38	M2025-4367-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
39	M2025-4373-1	0:Unknown	0	ALCOHOL 251030JG.gcm
40	M2025-4373-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
41	M2025-4396-1	0:Unknown	0	ALCOHOL 251030JG.gcm
42	M2025-4396-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
43	M2025-4405-1	0:Unknown	0	ALCOHOL 251030JG.gcm
44	M2025-4405-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
45	M2025-4406-1	0:Unknown	0	ALCOHOL 251030JG.gcm
46	M2025-4406-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 251030JG.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 251030JG.gcm
49	M2025-4407-1	0:Unknown	0	ALCOHOL 251030JG.gcm
50	M2025-4407-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
51	P2025-3149-1	0:Unknown	0	ALCOHOL 251030JG.gcm
52	P2025-3149-1-B	0:Unknown	0	ALCOHOL 251030JG.gcm
53	QC2-2	0:Unknown	0	ALCOHOL 251030JG.gcm
54	QC2-2-B	0:Unknown	0	ALCOHOL 251030JG.gcm
55	INT STD BLK	0:Unknown	0	ALCOHOL 251030JG.gcm

JG