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):** **9/26/25**

Calibration Date: *(if different)* **9/17/25**

Worklist #: **7264**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	May-27	2302199	0.0837	0.0754-0.0920	0.0795 g/100cc
					0.0833 g/100cc
					g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.2076 g/100cc
					0.2063 g/100cc
					g/100cc
Multi-Component mixture:	**Exp:**	**May 2028**	**Lot #**	FN05302307	
Curve Fit:		**Column 1**	0.99977	**Column2**	0.99976

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0468	0.0469	1E-04	0.0468
100	0.100	0.090 - 0.110	0.1041	0.1044	0.0003	0.1042
200	0.200	0.180 - 0.220	0.1987	0.1987	0	0.1987
300	0.300	0.270 - 0.330	0.3007	0.2998	0.0009	0.3002
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.4995	0.5000	0.0005	0.4997

Aqueous Controls

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

JC

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

Internal Standard Monitoring Worksheet

Worklist #: **7264** **Run Date(s):** **9/26/25**

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

Sample Name	Column 1 Value	Column 2 Value
0.080	205941	219629
0.080	181302	192924
QC1	182460	194766
QC1	180639	192542
QC1	206672	220076
QC1	209711	223464
QC1		
QC1		
QC2	203126	216238
QC2	203775	217097
QC2	215283	229399
QC2	213217	226821
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	200212.6	160170.1	240255.1
Column 2	213295.6	170636.5	255954.7

REVIEWED
By Melissa (Nikka) Bradley at 4:10 pm, Sep 29, 2025

NB

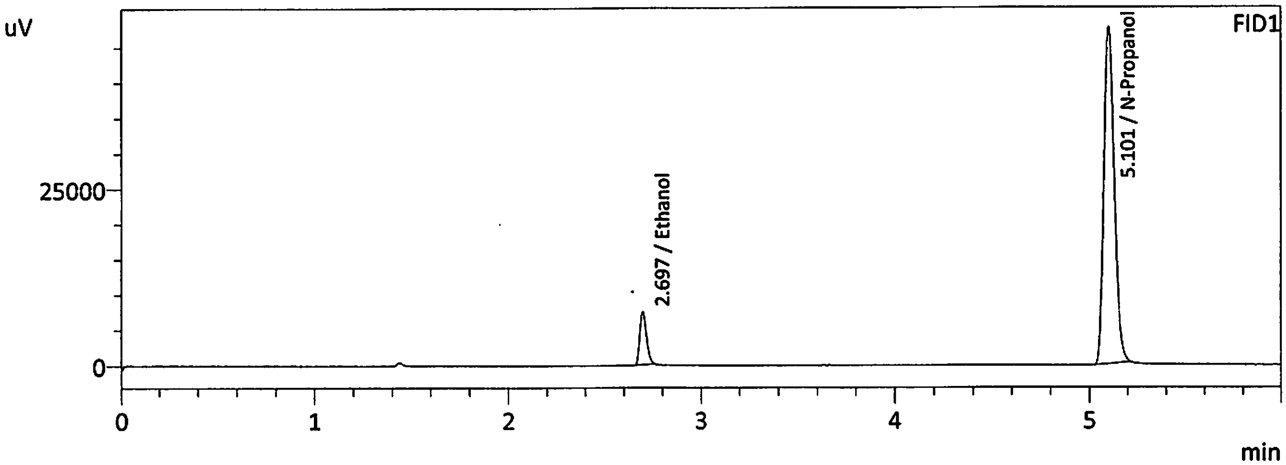
JC

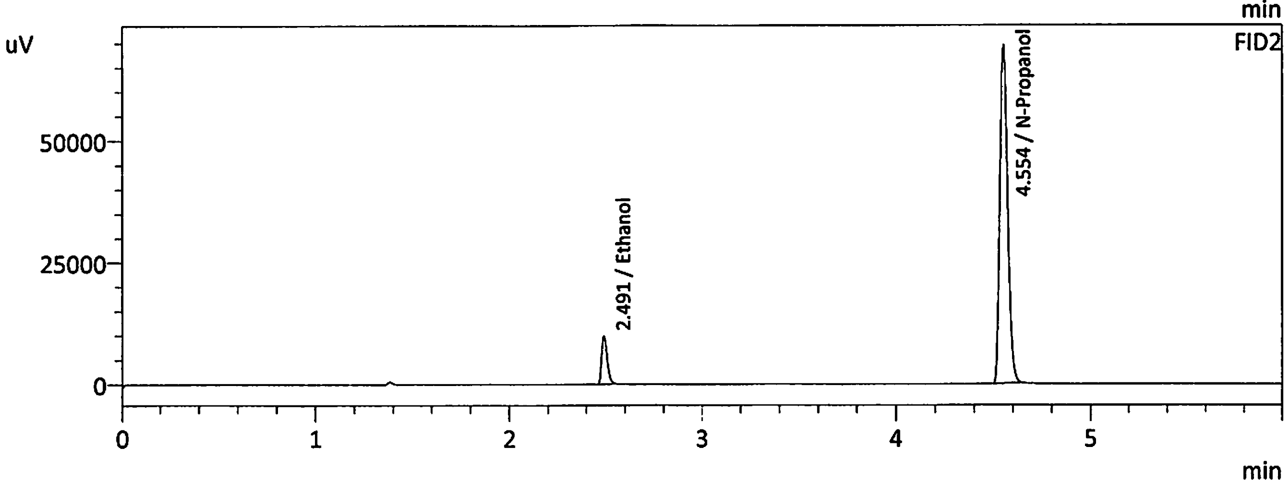
Worklist: 7264

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
M2025-3795	1	BCK	Alcohol Analysis
M2025-3799	1	BCK	Alcohol Analysis
M2025-3801	1	BCK	Alcohol Analysis
M2025-3820	1	BCK	Alcohol Analysis
M2025-3831	1	BCK	Alcohol Analysis
M2025-3832	1	BCK	Alcohol Analysis
M2025-3835	1	BCK	Alcohol Analysis
M2025-3852	1	BCK	Alcohol Analysis
M2025-3860	1	BCK	BATS Proficiency Test
M2025-3860	3	BCK	BATS Proficiency Test
M2025-3860	4	BCK	BATS Proficiency Test
M2025-3863	1	BCK	Alcohol Analysis
M2025-3867	1	BCK	Alcohol Analysis
M2025-3868	1	BCK	Alcohol Analysis
M2025-3869	1	BCK	Alcohol Analysis
M2025-3870	1	BCK	Alcohol Analysis

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 9/17/2025 9:26:46 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

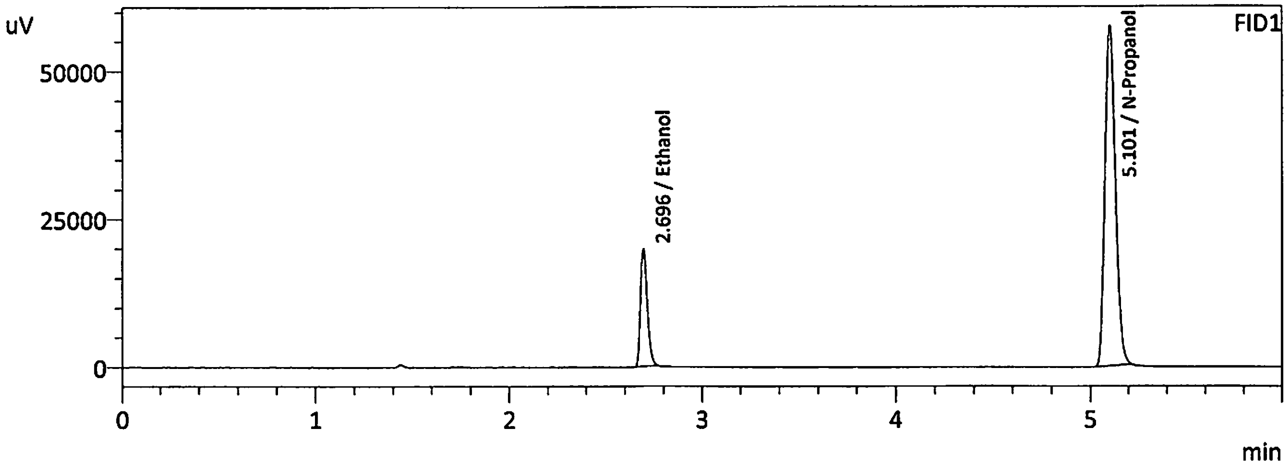
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0468	18053	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180241	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

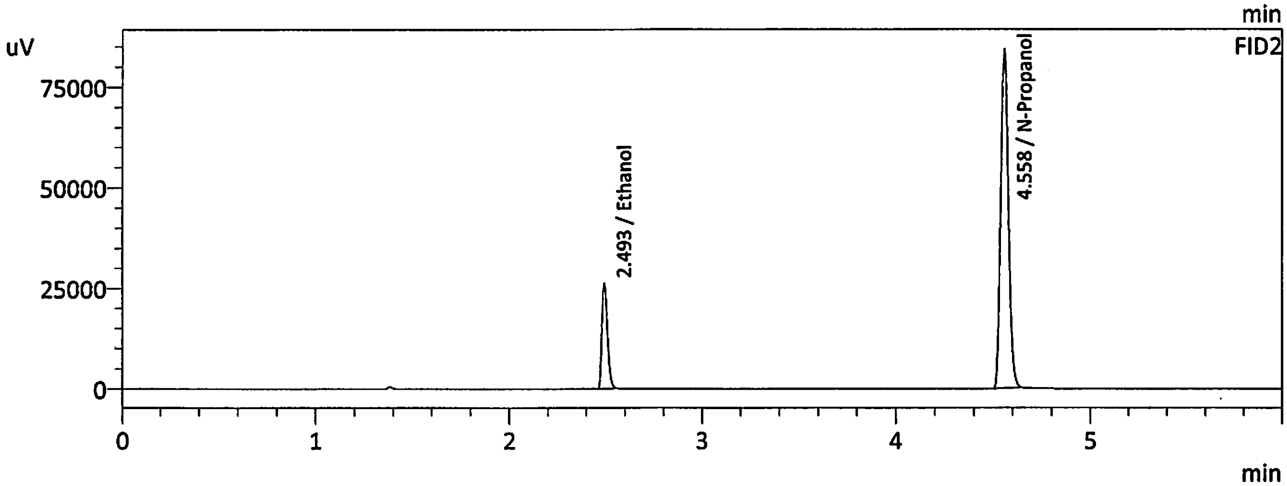
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0469	19449	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192736	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/17/2025 9:39:31 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

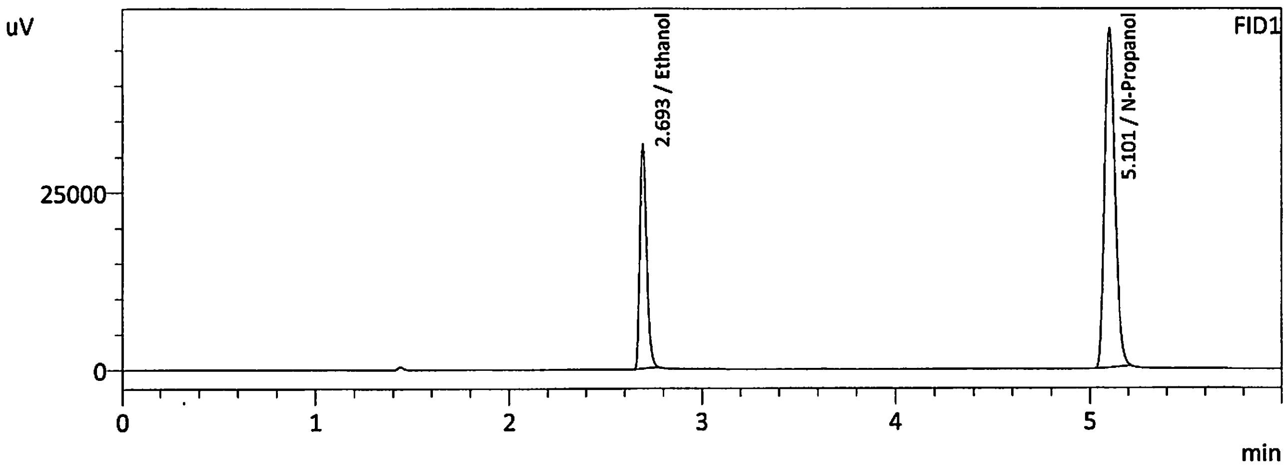
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1041	48233	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217241	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

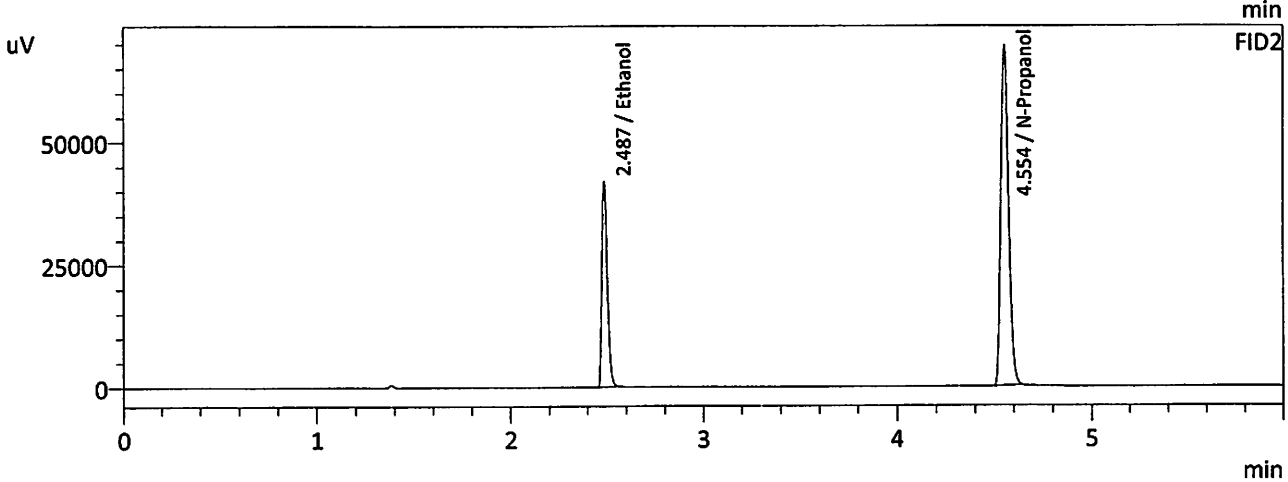
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1044	51822	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232323	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 9/17/2025 9:51:40 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

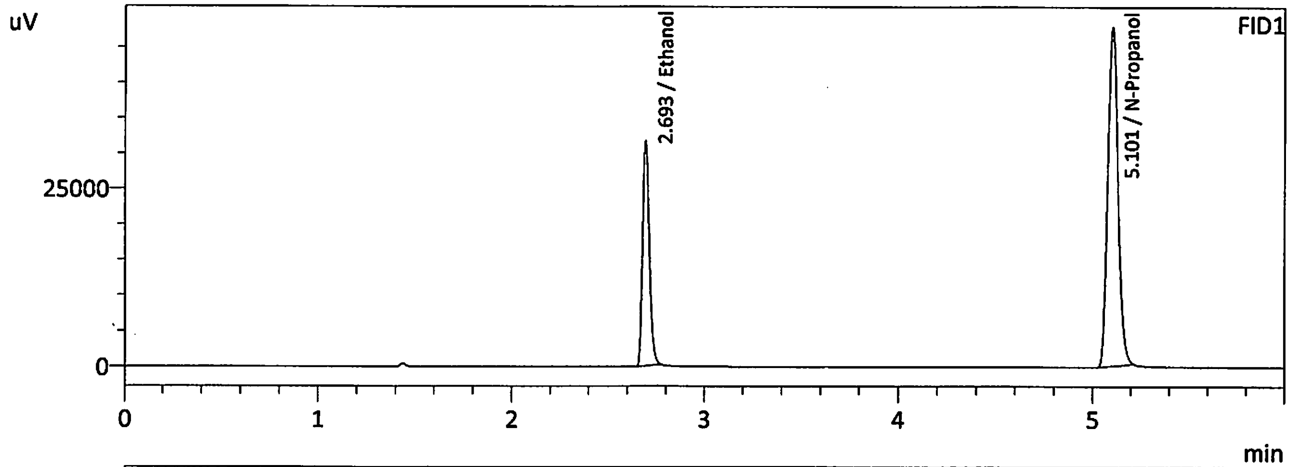
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1985	76399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180490	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

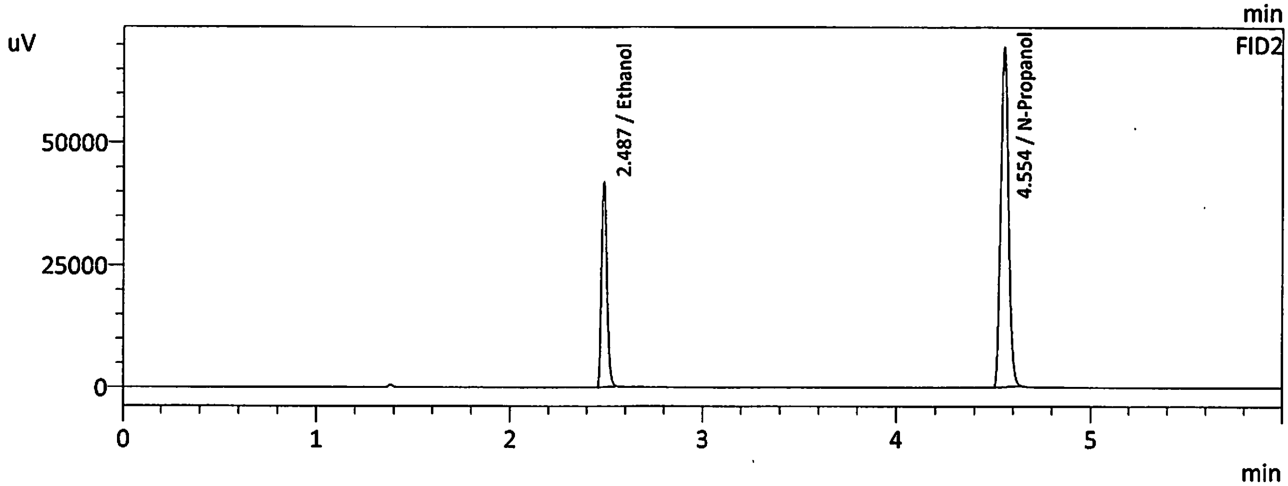
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1985	81572	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name	: 0.200
Laboratory	: Meridian
Injection Date	: 9/17/2025 9:51:40 AM
Vial #	: 3
Method Filename	: Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

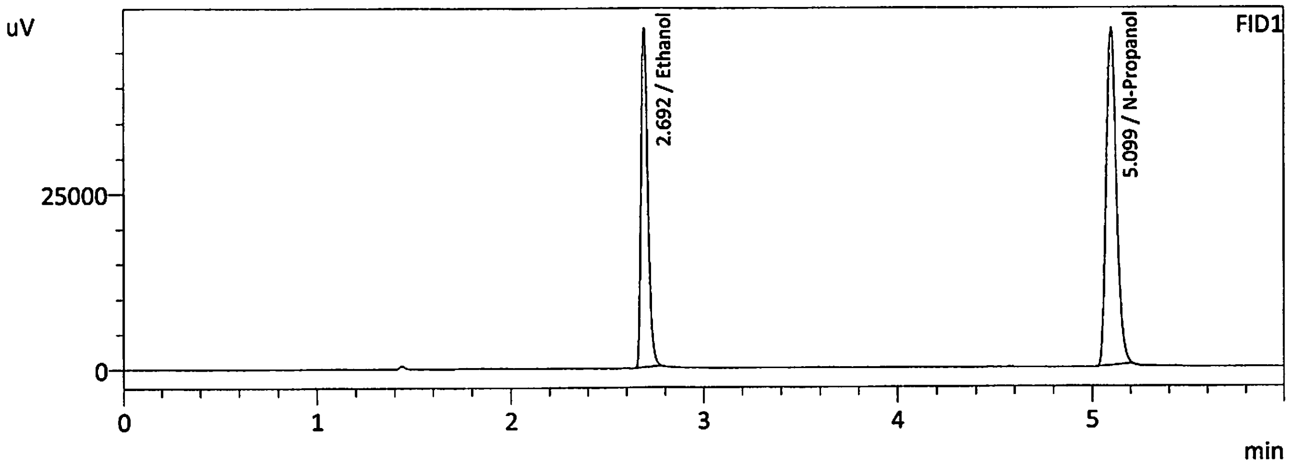
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1987	76399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180490	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

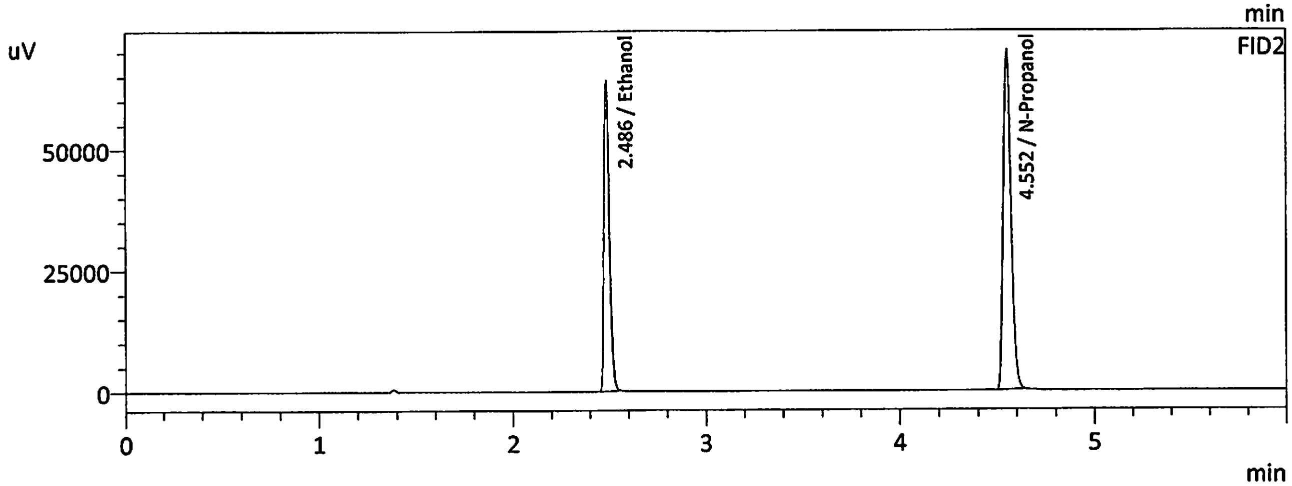
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1987	81572	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/17/2025 10:03:51 AM
Vial # : 4
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

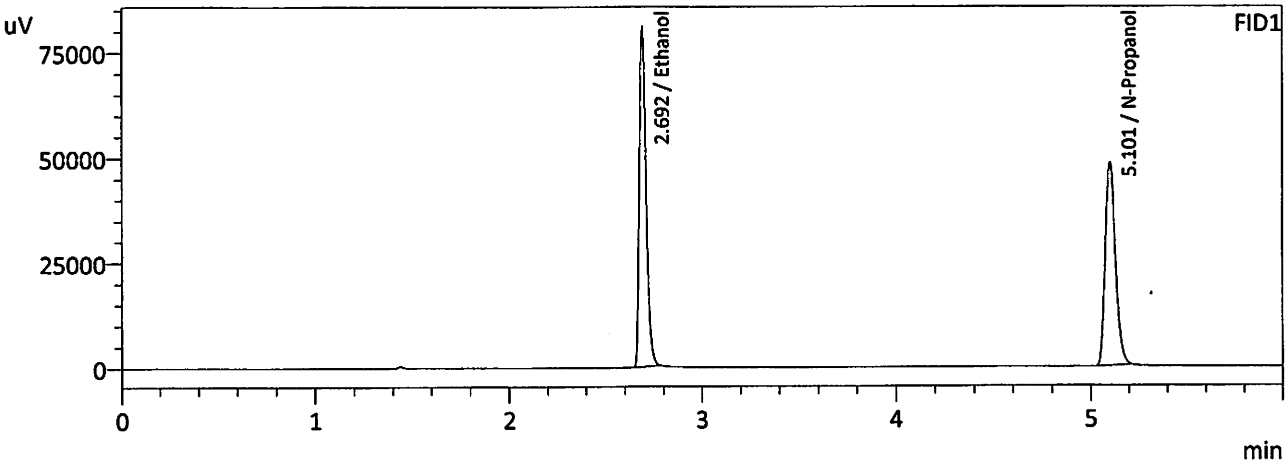
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3007	116421	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181865	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

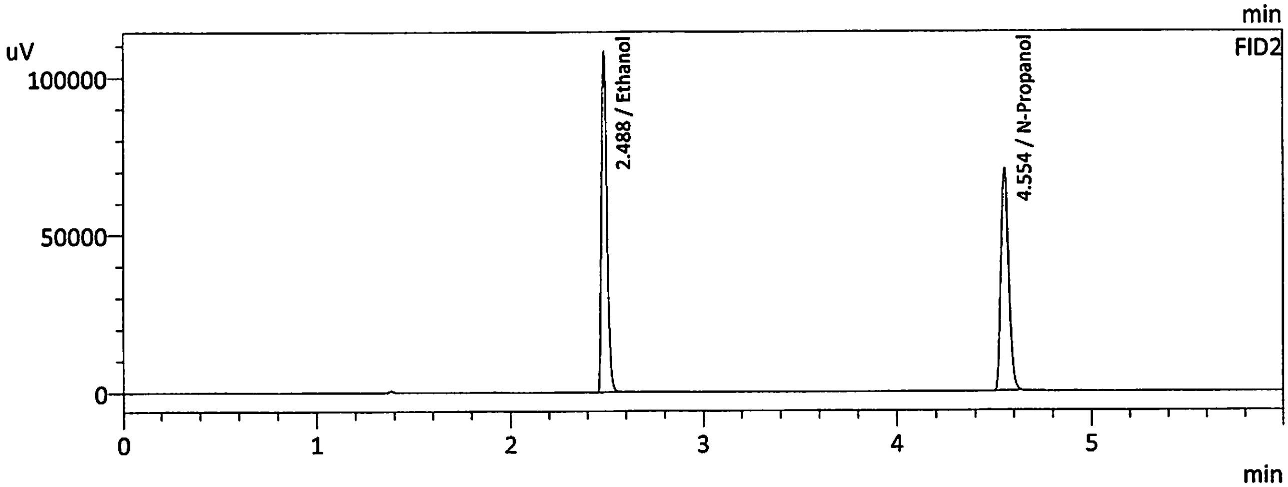
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2998	124142	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194391	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/17/2025 10:16:18 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4995	195332	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183771	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5000	208265	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195702	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

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Calibration Table

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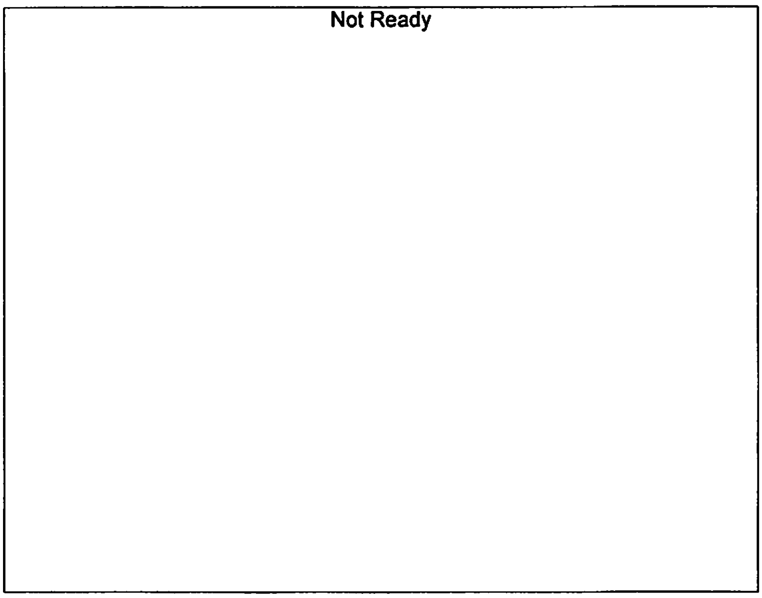
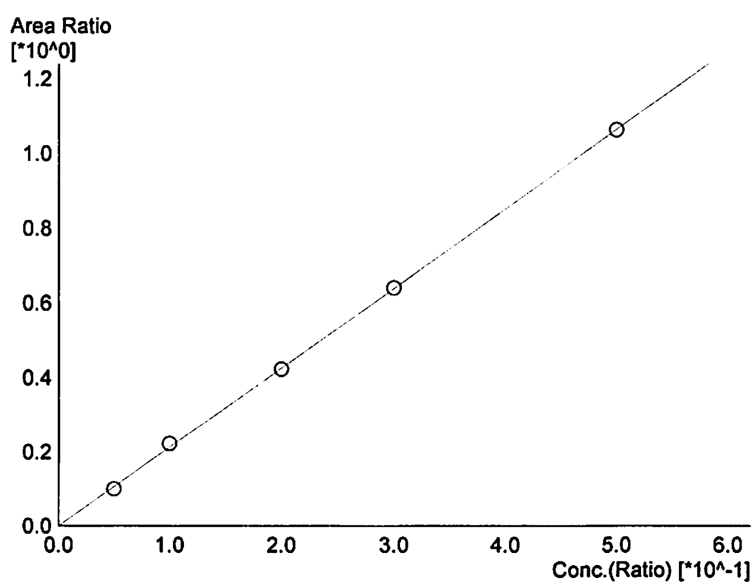
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_250917JG.gcm
Batch File :Default Project - CALCURVE_250917JG.gcb
Date Acquired :9/17/2025 10:16:18 AM
Date Created :9/17/2025 10:09:56 AM
Date Modified :9/17/2025 10:22:19 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)=2.12660*x+0.000588267
R^2 value= 0.9997702
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18053	0.0468
2	0.100	48233	0.1041
3	0.200	76399	0.1987
4	0.300	116421	0.3007
5	0.500	195332	0.4995

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

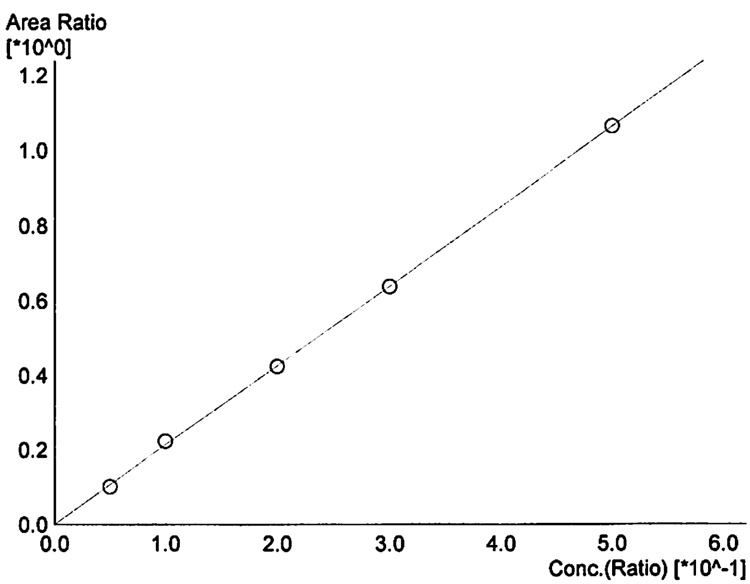
#	Conc.	Area	Std. Conc.

JU

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)=2.12628*x+0.00104674
R^2 value= 0.9997638
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19449	0.0469
2	0.100	51822	0.1044
3	0.200	81572	0.1987
4	0.300	124142	0.2998
5	0.500	208265	0.5000

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.

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

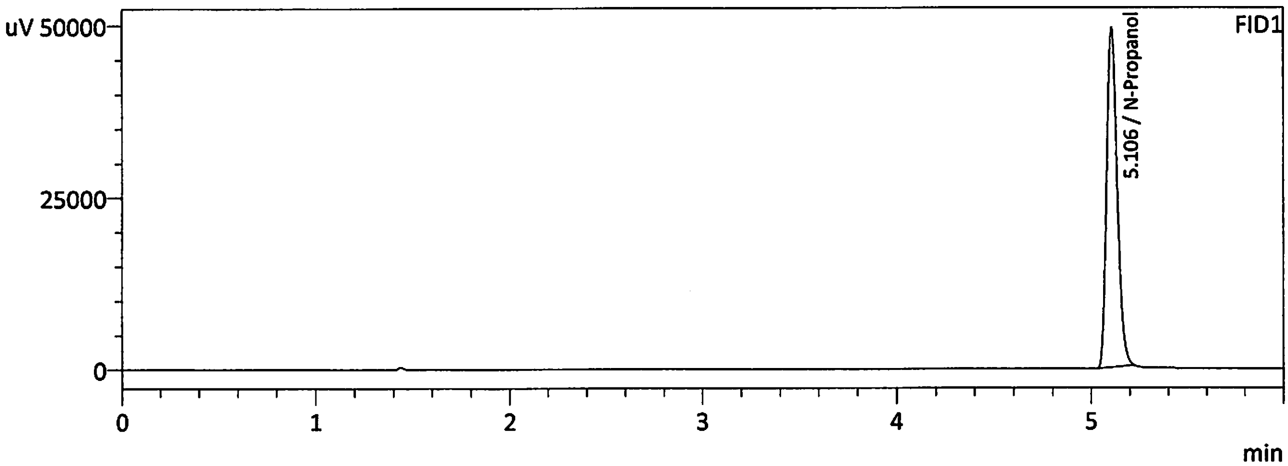
Meridian Blood Alcohol Analysis Batch Table

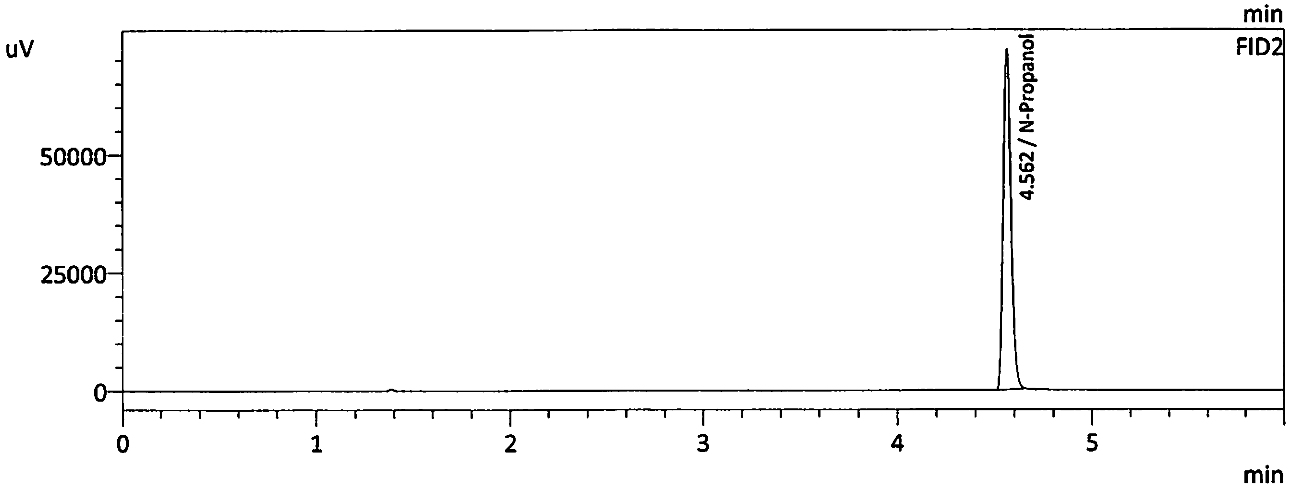
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 250917JG.gcm
2	0.100	1:Standard	2	ALCOHOL 250917JG.gcm
3	0.200	1:Standard	3	ALCOHOL 250917JG.gcm
4	0.300	1:Standard	4	ALCOHOL 250917JG.gcm
5	0.500	1:Standard	5	ALCOHOL 250917JG.gcm
6	ISTD BLK	0:Unknown	0	ALCOHOL 250917JG.gcm

JG

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 9/26/2025 3:55:03 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

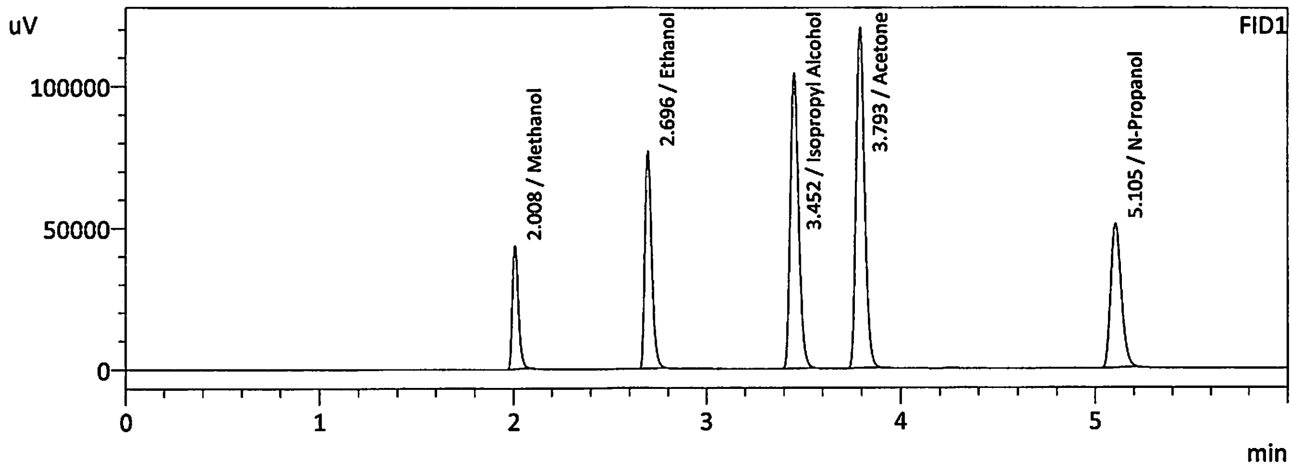
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186873	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

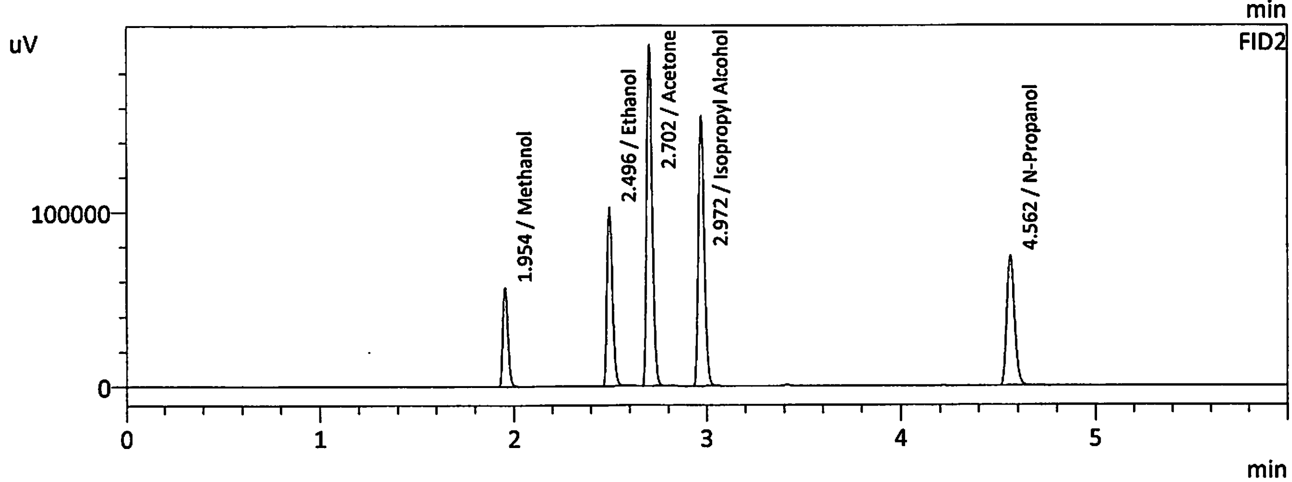
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199565	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 9/26/2025 4:07:49 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	93004	g/100cc
Ethanol	0.4532	187137	g/100cc
Isopropyl Alcohol	0.0000	309542	g/100cc
Acetone	0.0000	363337	g/100cc
N-Propanol	0.0000	194012	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	101733	g/100cc
Ethanol	0.4567	199733	g/100cc
Acetone	0.0000	386413	g/100cc
Isopropyl Alcohol	0.0000	325545	g/100cc
N-Propanol	0.0000	205434	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 9/26/2025 4:19:59 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0796	0.0004	0.0794	0.0002	0.0795
(g/100cc)	0.0793	0.0800	0.0007	0.0796		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information **Instrument information is stored centrally.**

Refer To Instrument Method: ALCOHOL_250917JG.gcm

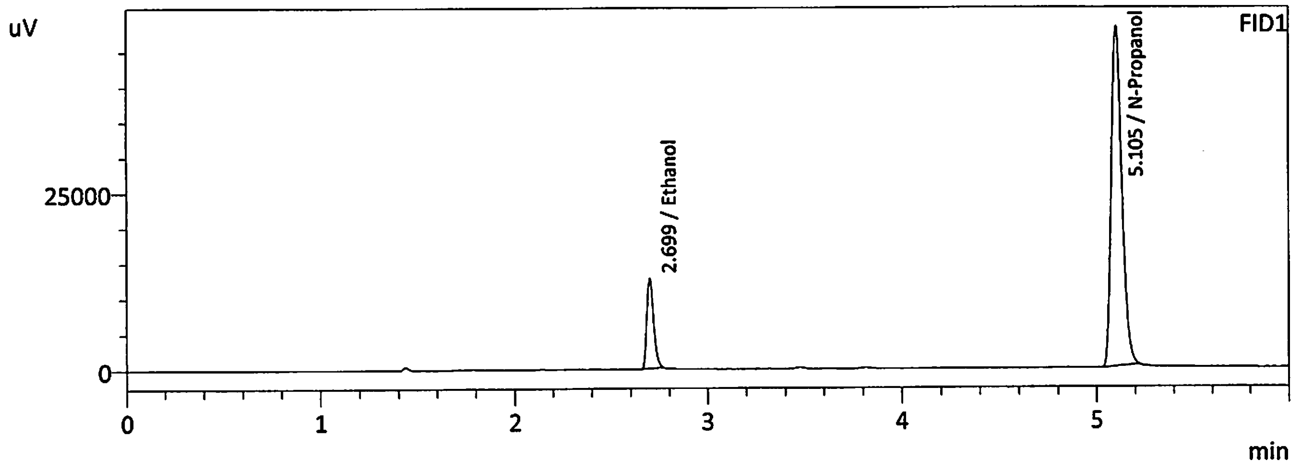
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

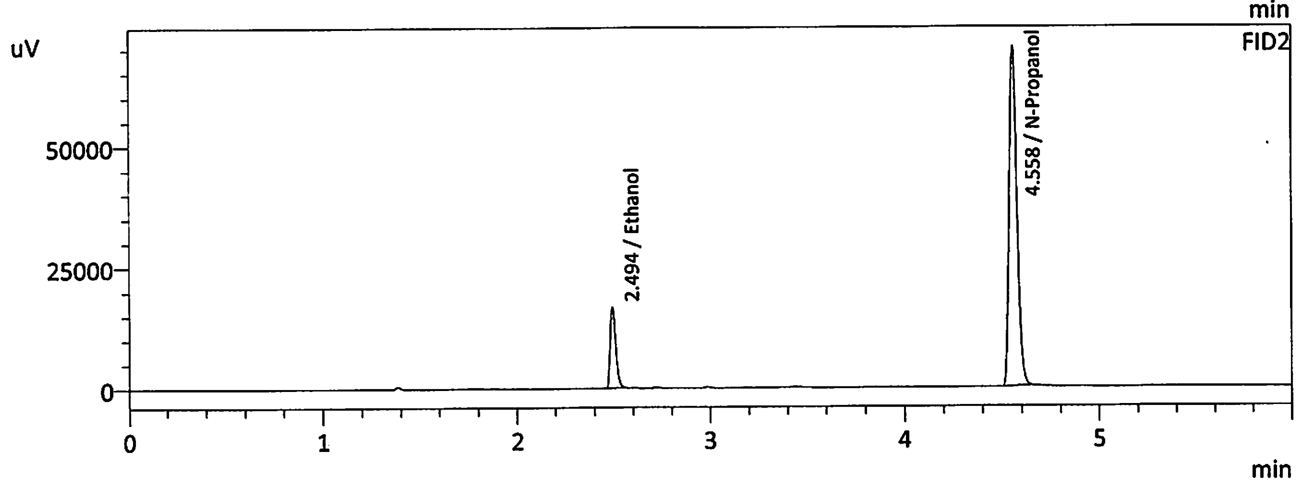
	Reported Results	
	0.079	

Calibration and control data are stored centrally.

J6

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 9/26/2025 4:19:59 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

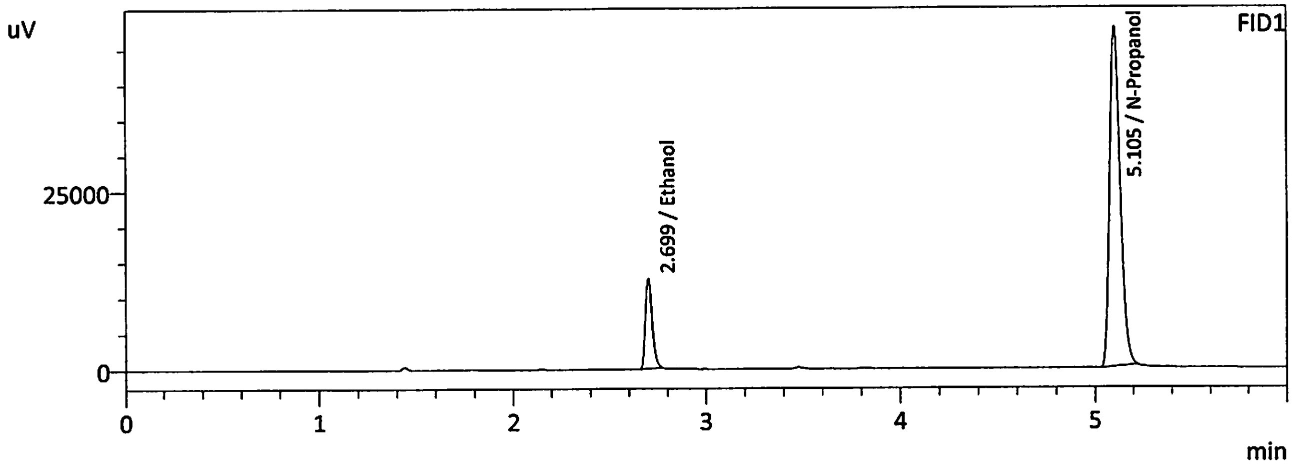
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	30859	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182460	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

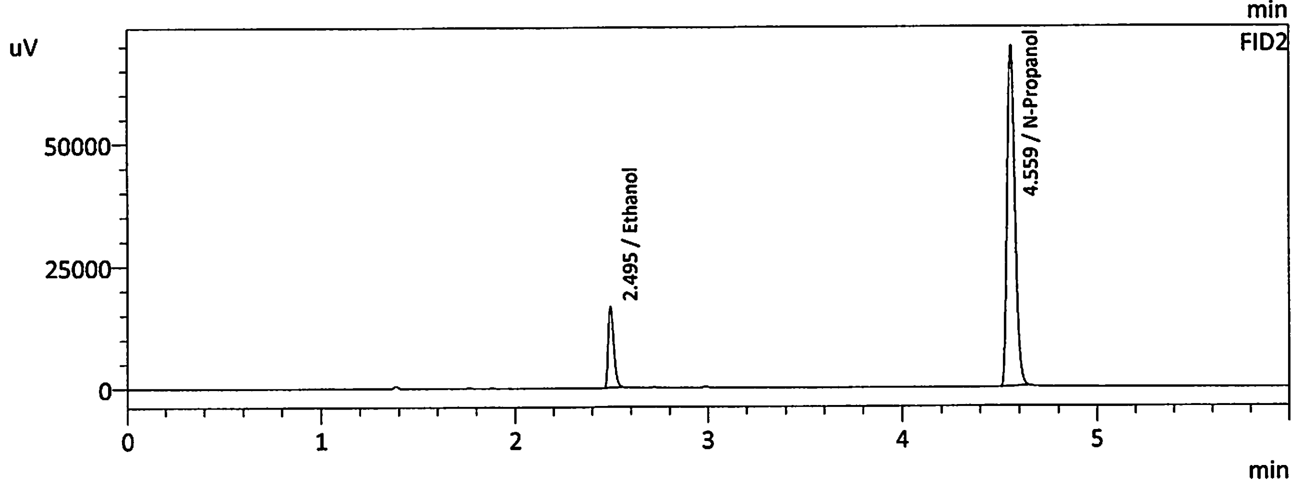
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	33196	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194766	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/26/2025 4:32:21 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	30603	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180639	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	32957	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192542	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 9/26/2025 4:44:34 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0829	0.0834	0.0005	0.0831	0.0027	0.0817
(g/100cc)	0.0801	0.0807	0.0006	0.0804		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250917JG.gcm

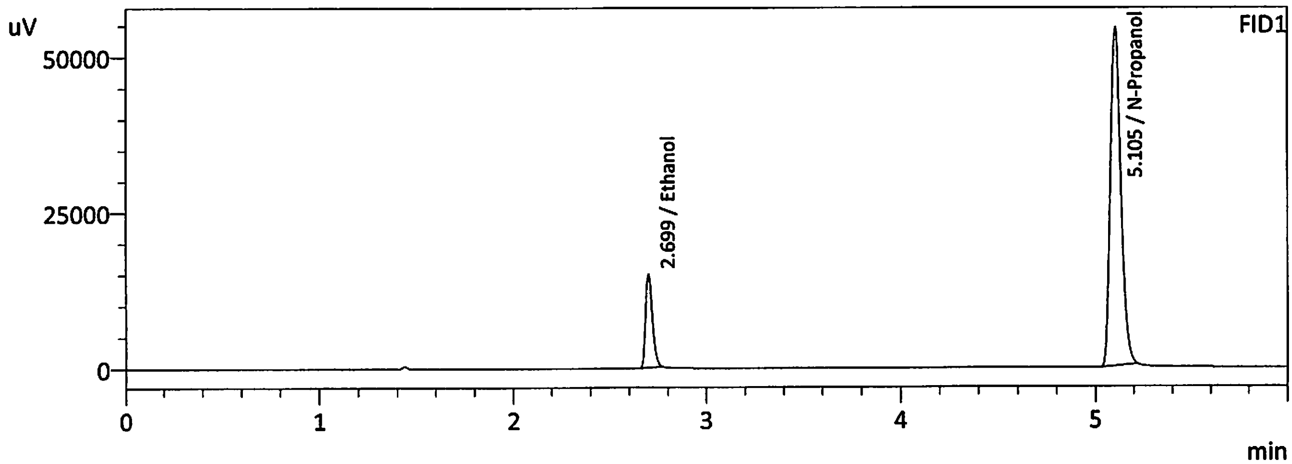
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

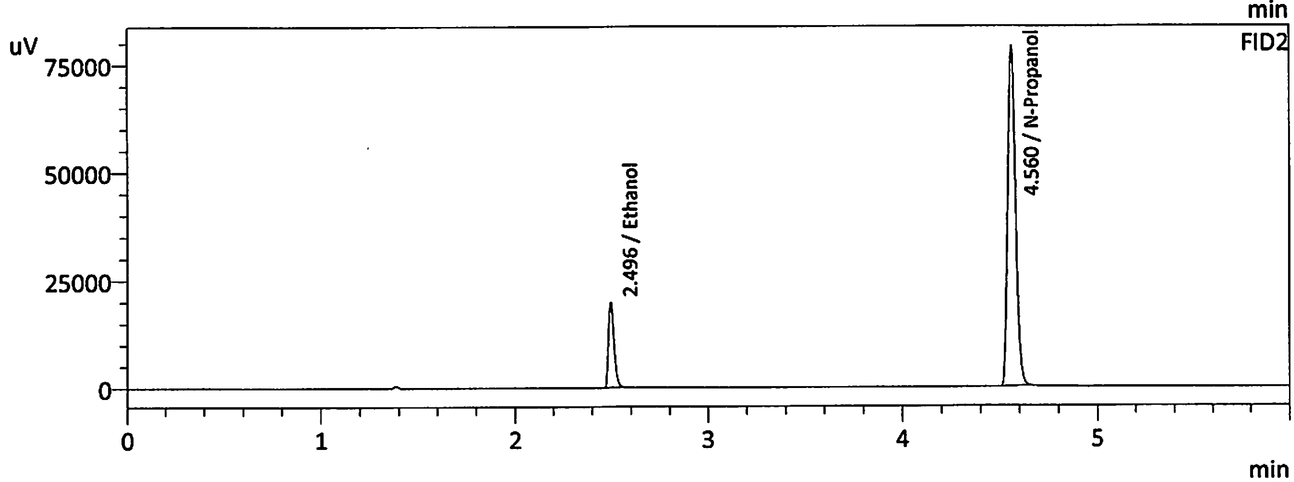
	Reported Results	
	0.081	

Calibration and control data are stored centrally.

J6

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 9/26/2025 4:44:34 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

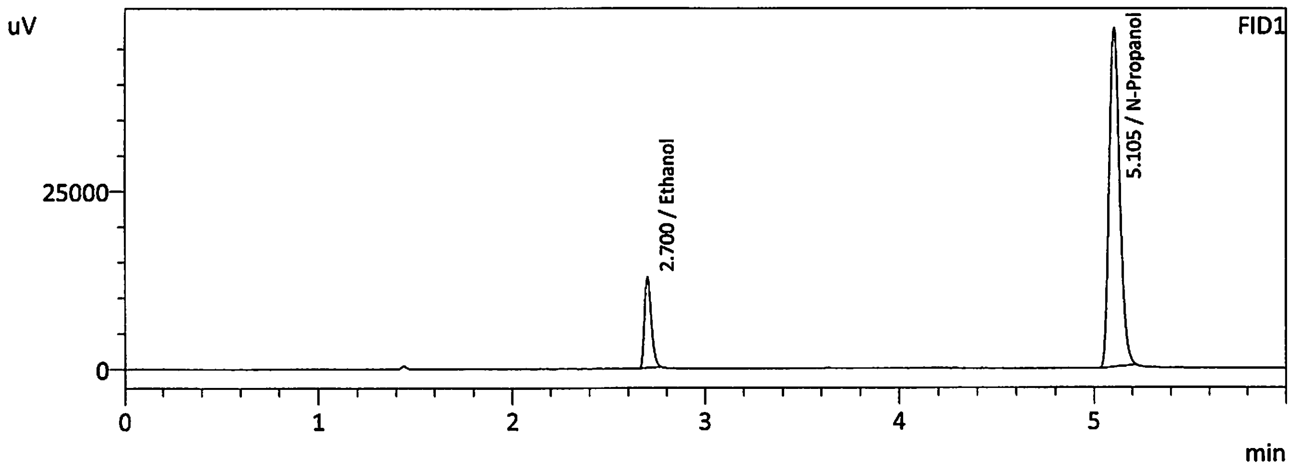
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	36429	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205941	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

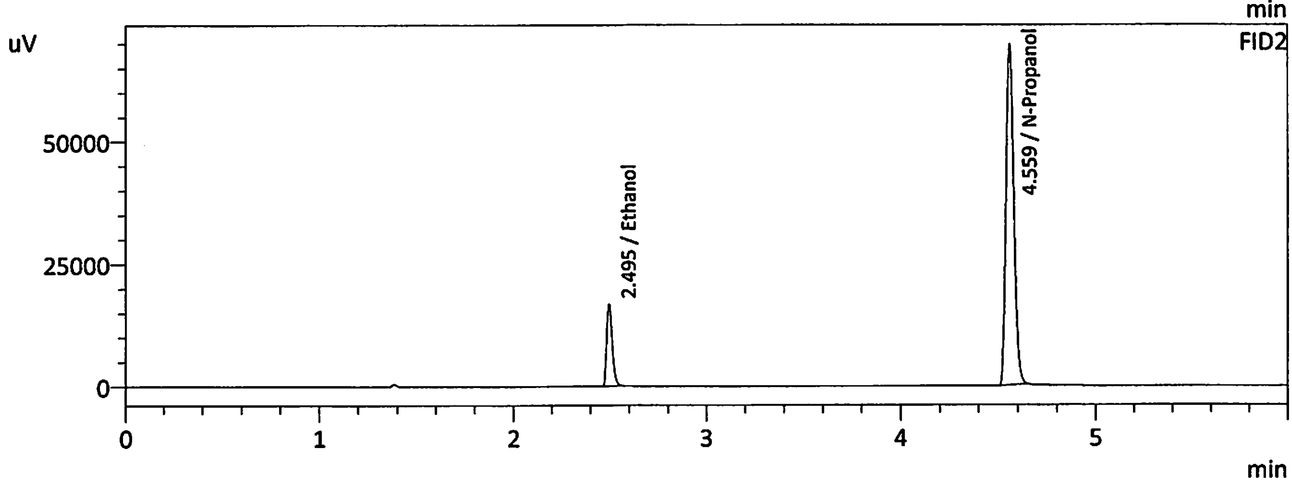
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	39179	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219629	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: 0.08 QA-B
Laboratory	: Meridian
Injection Date	: 9/26/2025 4:57:13 PM
Vial #	: 6
Method Filename	: Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	31000	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181302	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	33328	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192924	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 9/26/2025 8:52:13 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2064	0.2078	0.0014	0.2071	0.0011	0.2076
(g/100cc)	0.2075	0.2089	0.0014	0.2082		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250917JG.gcm

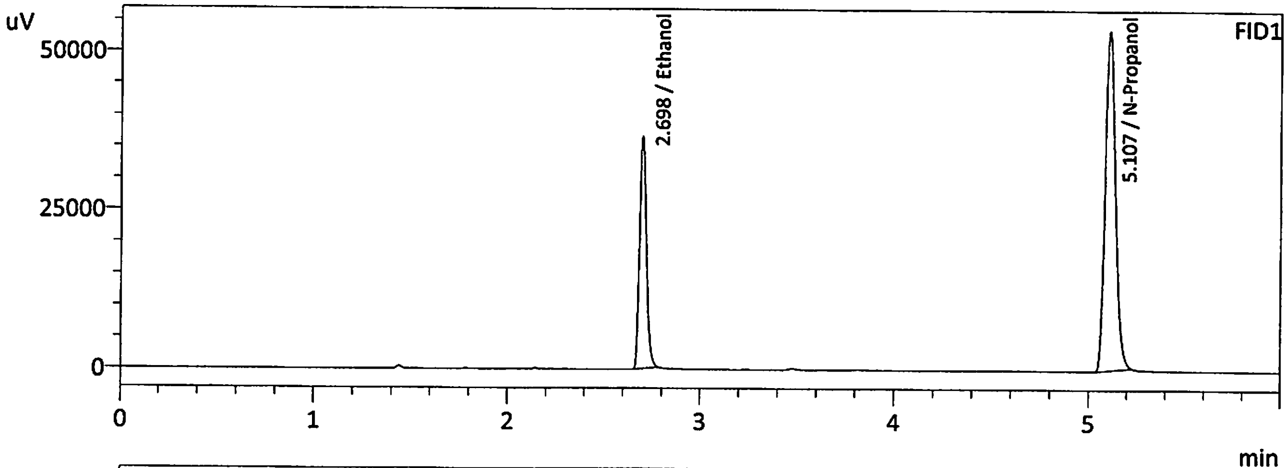
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

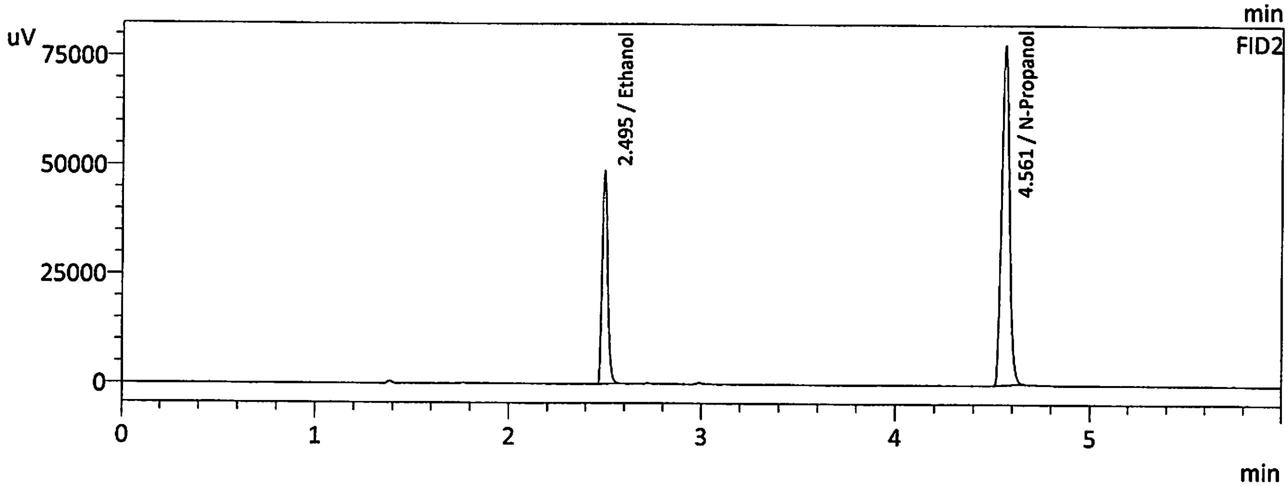
	Reported Results	
	0.207	

Calibration and control data are stored centrally.

JG

Sample Name	: QC-2-1
Laboratory	: Meridian
Injection Date	: 9/26/2025 8:52:13 PM
Vial #	: 25
Method Filename	: Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

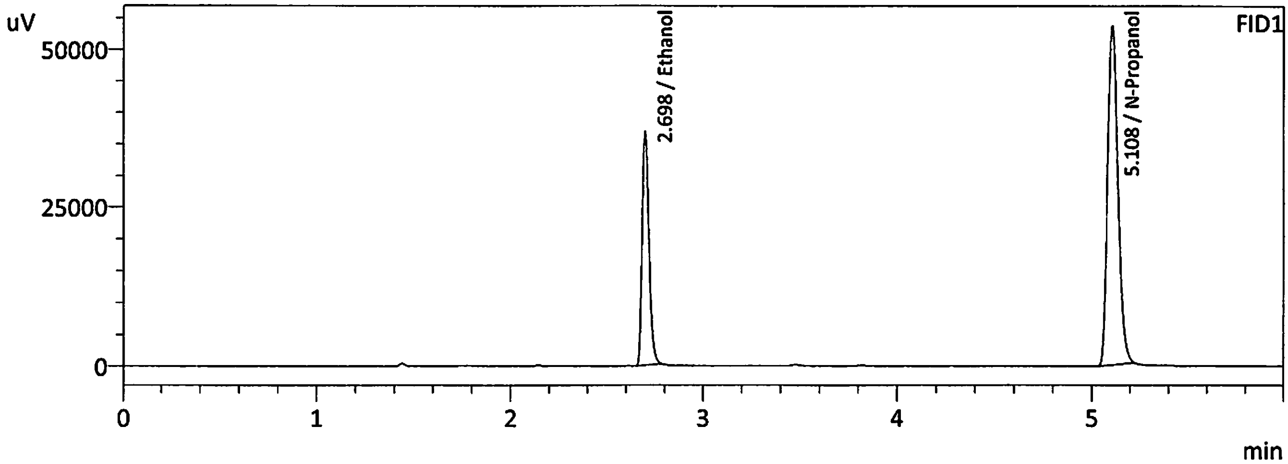
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	89290	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203126	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

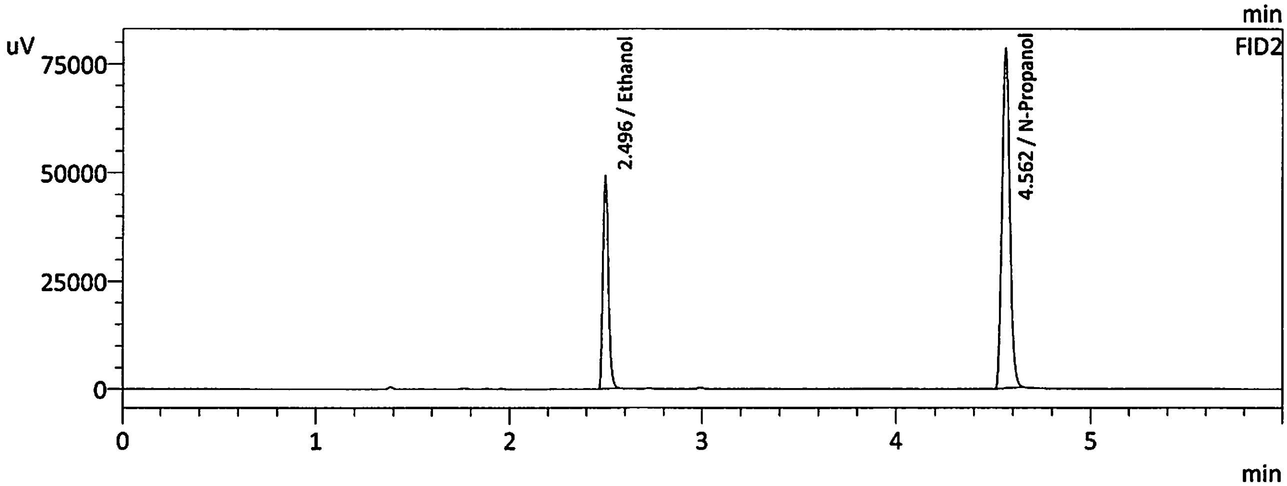
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	95772	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216238	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/26/2025 9:04:54 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	90076	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203775	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2089	96675	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217097	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 9/27/2025 1:24:47 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0823	0.0831	0.0008	0.0827	0.0013	0.0833
(g/100cc)	0.0837	0.0843	0.0006	0.0840		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250917JG.gcm

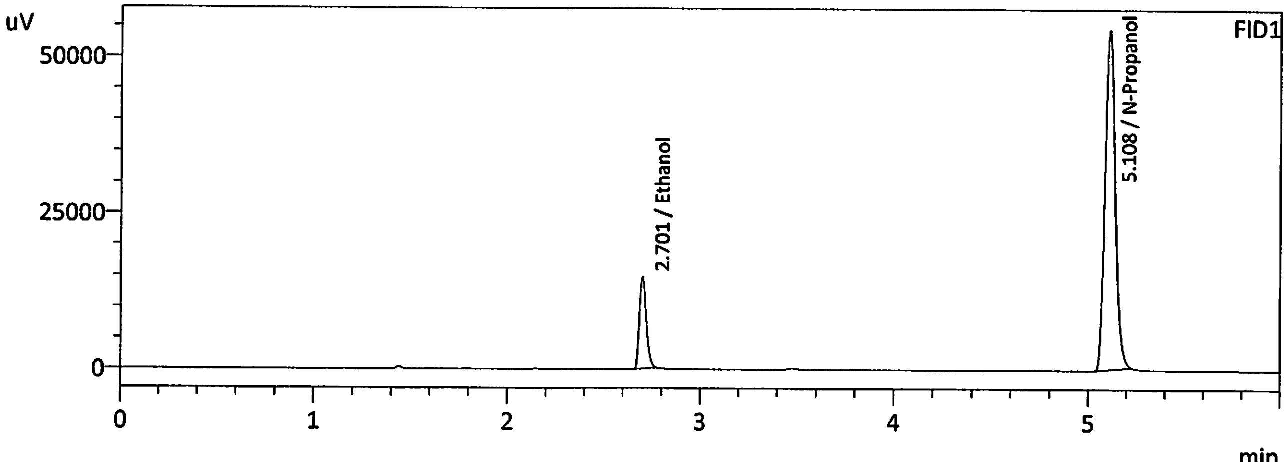
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

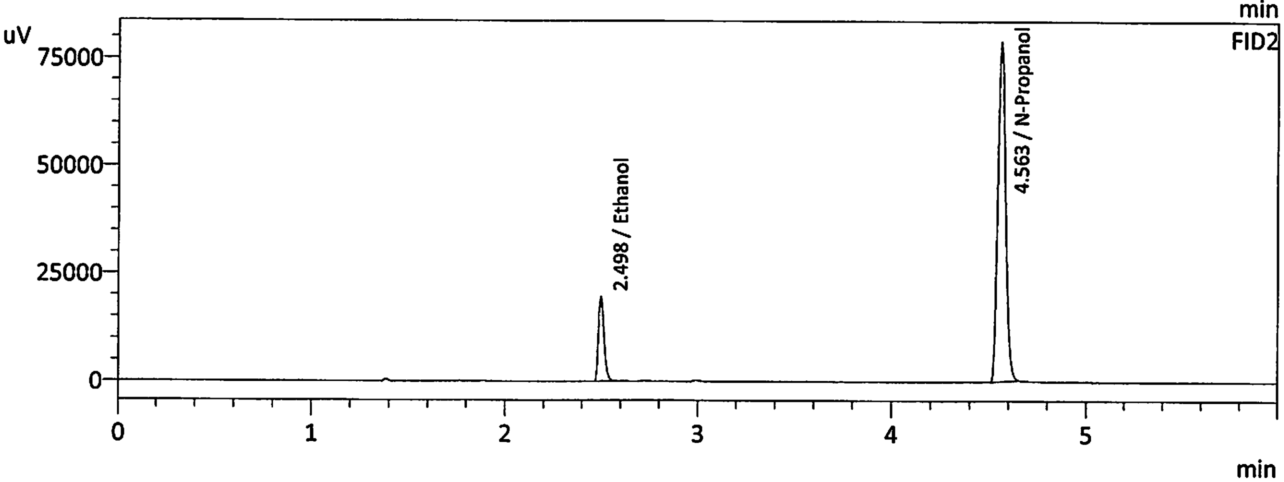
	Reported Results	
	0.083	

Calibration and control data are stored centrally.

J6

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 9/27/2025 1:24:47 AM
Vial # : 47
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

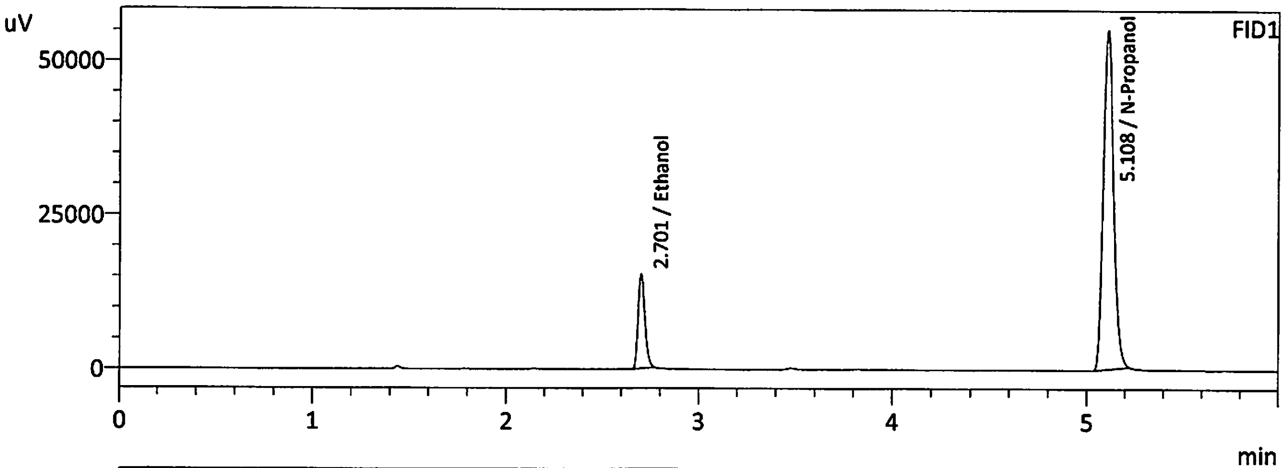
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	36298	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206672	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

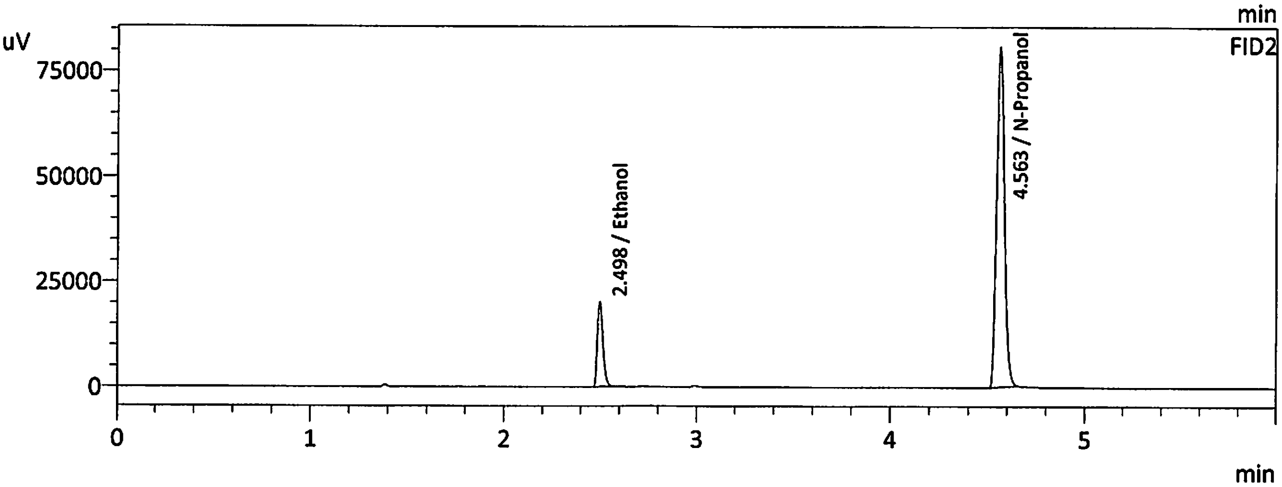
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	39143	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220076	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 9/27/2025 1:37:06 AM
Vial # : 48
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	37491	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209711	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0843	40311	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223464	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 9/27/2025 1:49:27 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2033	0.2053	0.0020	0.2043	0.0040	0.2063
(g/100cc)	0.2076	0.2091	0.0015	0.2083		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250917JG.gcm

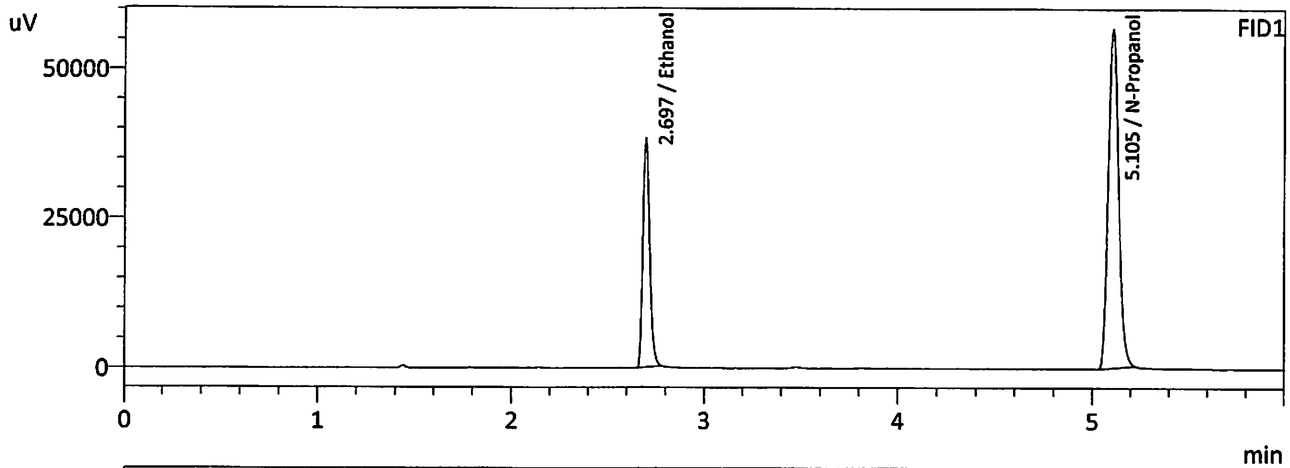
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

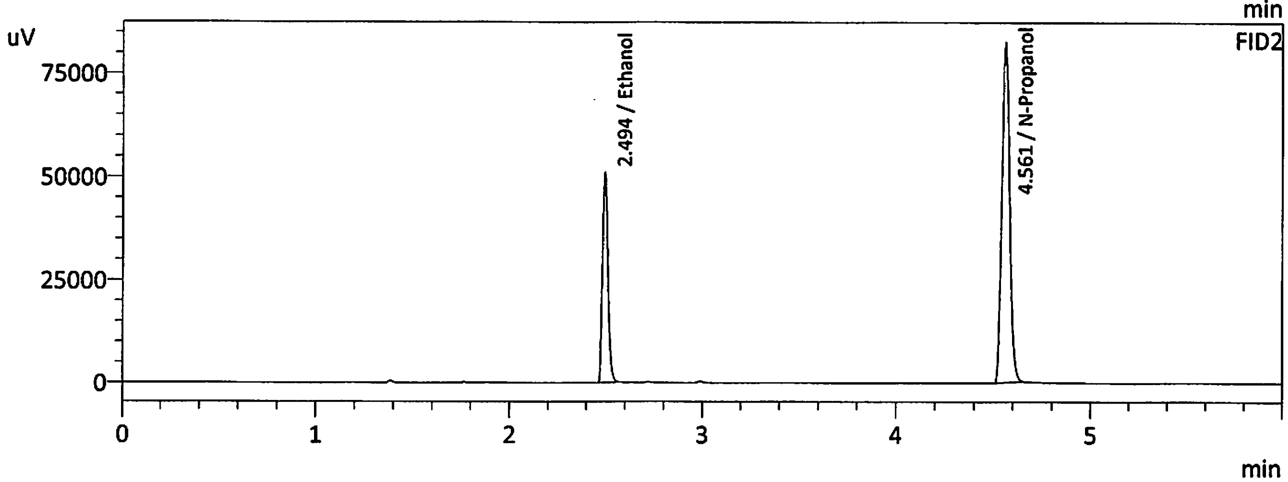
	Reported Results	
	0.206	

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 9/27/2025 1:49:27 AM
Vial # : 49
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

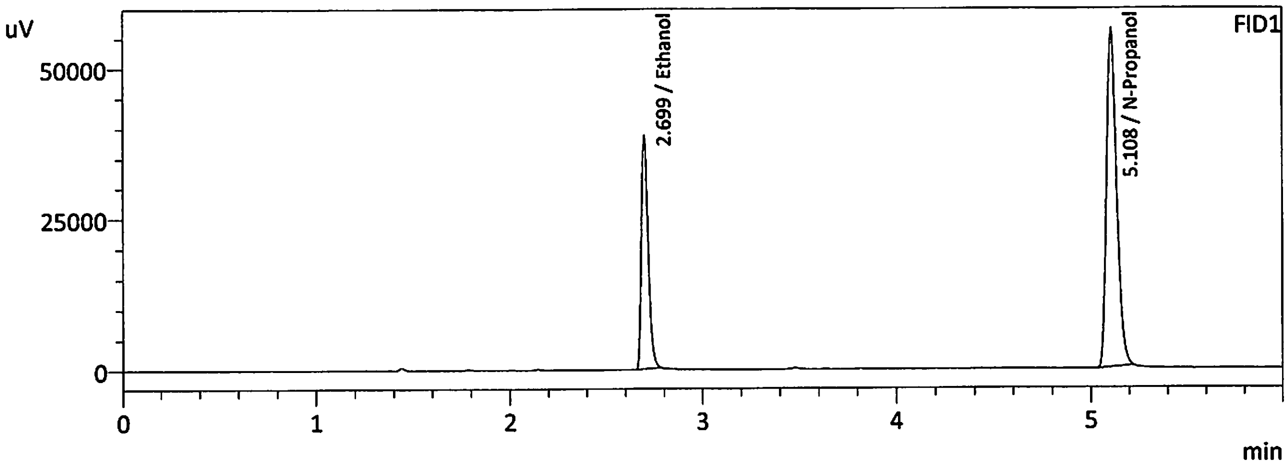
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2033	93224	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	215283	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

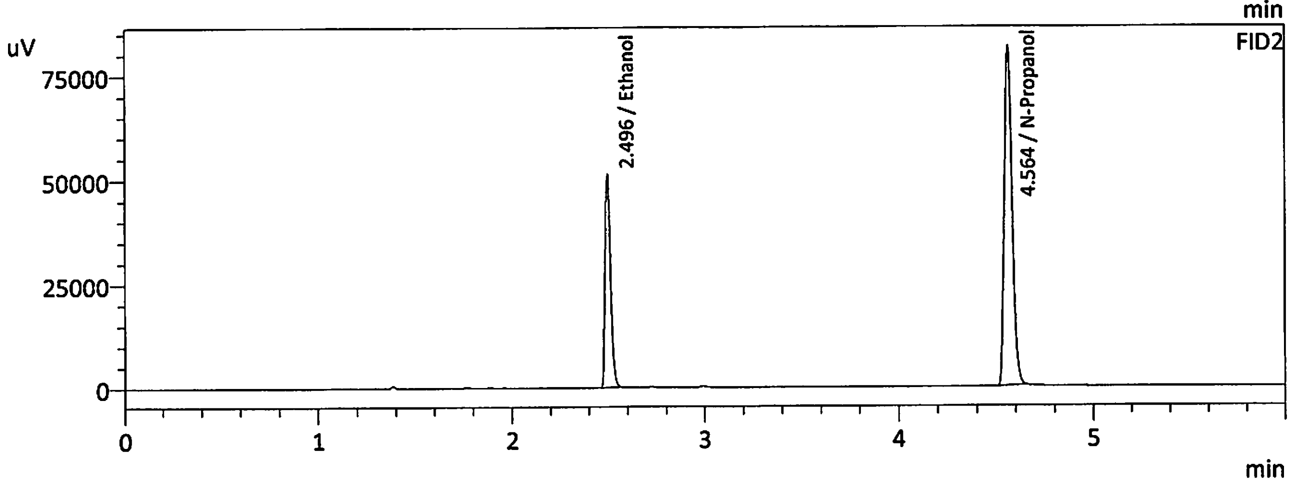
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2053	100412	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229399	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 9/27/2025 2:02:01 AM
Vial # : 50
Method Filename : Default Project - ALCOHOL_250917JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	94275	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213217	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2091	101106	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226821	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Meridian Blood Alcohol Analysis Batch Table

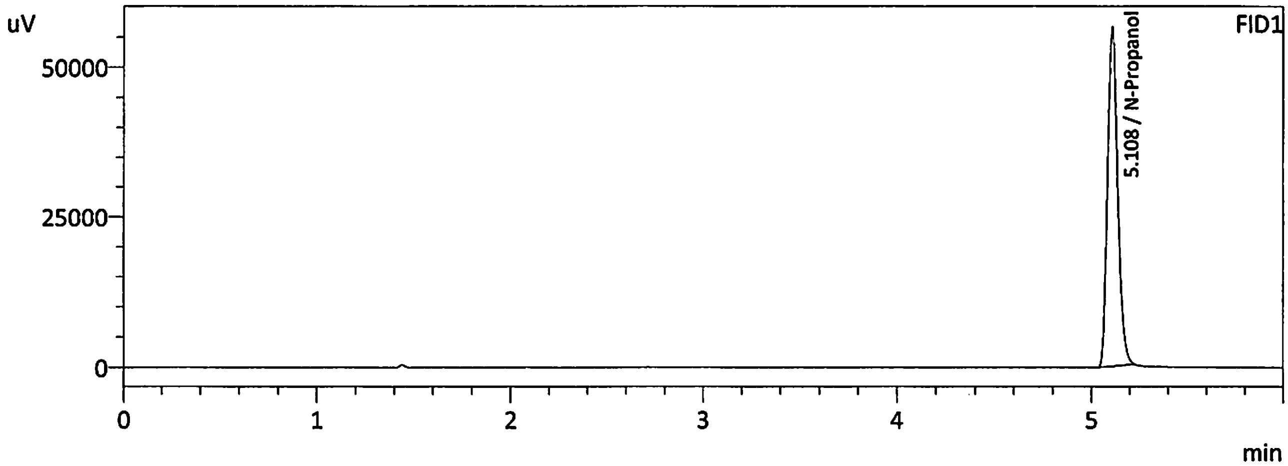
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

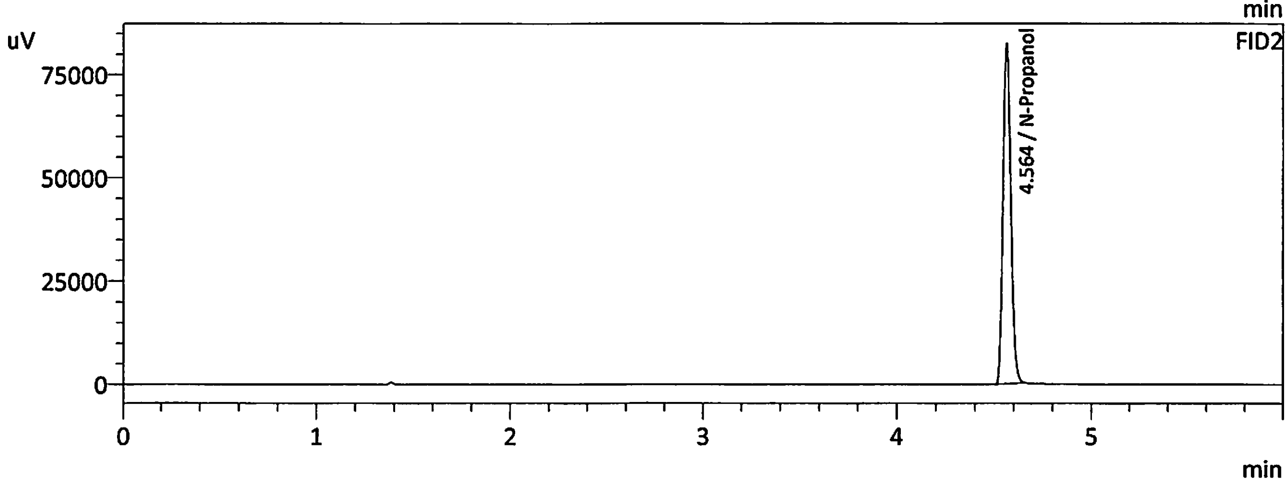
rerun 9/29/25

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 250917JG.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 250917JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 250917JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 250917JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 250917JG.gcm
7	M2025-3795-1	0:Unknown	0	ALCOHOL 250917JG.gcm
8	M2025-3795-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
9	M2025-3799-1	0:Unknown	0	ALCOHOL 250917JG.gcm
10	M2025-3799-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
11	M2025-3800-1	0:Unknown	0	ALCOHOL 250917JG.gcm
12	M2025-3800-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
13	M2025-3801-1	0:Unknown	0	ALCOHOL 250917JG.gcm
14	M2025-3801-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
15	M2025-3820--1	0:Unknown	0	ALCOHOL 250917JG.gcm
16	M2025-3820-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
17	M2025-3831-1	0:Unknown	0	ALCOHOL 250917JG.gcm
18	M2025-3831-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
19	M2025-3832-1	0:Unknown	0	ALCOHOL 250917JG.gcm
20	M2025-3832-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
21	M2025-3835-1	0:Unknown	0	ALCOHOL 250917JG.gcm
22	M2025-3835-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
23	M2025-3852-1	0:Unknown	0	ALCOHOL 250917JG.gcm
24	M2025-3852-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 250917JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
27	M2025-3860-1	0:Unknown	0	ALCOHOL 250917JG.gcm
28	M2025-3860-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
29	M2025-3860-2	0:Unknown	0	ALCOHOL 250917JG.gcm
30	M2025-3860-2-B	0:Unknown	0	ALCOHOL 250917JG.gcm
31	M2025-3860-3	0:Unknown	0	ALCOHOL 250917JG.gcm
32	M2025-3860-3-B	0:Unknown	0	ALCOHOL 250917JG.gcm
33	M2025-3860-4	0:Unknown	0	ALCOHOL 250917JG.gcm
34	M2025-3860-4-B	0:Unknown	0	ALCOHOL 250917JG.gcm
35	M2025-3863-1	0:Unknown	0	ALCOHOL 250917JG.gcm
36	M2025-3863-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
37	M2025-3867-1	0:Unknown	0	ALCOHOL 250917JG.gcm
38	M2025-3867-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
39	M2025-3868-1	0:Unknown	0	ALCOHOL 250917JG.gcm
40	M2025-3868-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
41	M2025-3869-1	0:Unknown	0	ALCOHOL 250917JG.gcm
42	M2025-3869-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
43	M2025-3870-1	0:Unknown	0	ALCOHOL 250917JG.gcm
44	M2025-3870-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
45	M2025-3883-1	0:Unknown	0	ALCOHOL 250917JG.gcm
46	M2025-3883-1-B	0:Unknown	0	ALCOHOL 250917JG.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 250917JG.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 250917JG.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 250917JG.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 250917JG.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 250917JG.gcm

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 9/27/2025 2:14:03 AM
Vial # : 51
Method Filename : Default Project - ALCOHOL_250917JG.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	214626	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	228878	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6