9/4/2025

REVIEWED

By Galina Giso at 10:02 am, Sep 05, 2025

Worklist: 7242

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2025-3534	1	BCK	Alcohol Analysis
M2025-3545	2	BCK	Alcohol Analysis
M2025-3551	1	BCK	Alcohol Analysis
M2025-3552	1	AALIQ	Alcohol Analysis
M2025-3553	1	BCK	Alcohol Analysis
M2025-3567	1	BCK	Alcohol Analysis
M2025-3571	1	BCK	Alcohol Analysis
M2025-3572	1	BCK	Alcohol Analysis
M2025-3573	1	BCK	Alcohol Analysis
M2025-3574	1	BCK	Alcohol Analysis
M2025-3586	1	BCK	Alcohol Analysis
M2025-3587	1	BCK	Alcohol Analysis
M2025-3606	1	BCK	Alcohol Analysis
M2025-3613	1	BCK	Alcohol Analysis
M2025-3616	1	BCK	Alcohol Analysis
P2025-2783	1	BCK	Alcohol Analysis

NB

REVIEWED
By Galina Giso at 10:02 am, Sep 05, 2025

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): 9/4/25-9/5/25**

Calibration Date: 9/4/25

Worklist #: 7242

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	May-27	2302119	0.0837	0.0754-0.0920	0.0825 g/100cc
					g/100cc
					g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.1949 g/100cc
					0.1958 g/100cc
					0.1945 g/100cc
Multi-Component mixture:		**Exp:**	**28-May**	**Lot #**	FN05302307
Curve Fit:		**Column 1**	0.99978	**Column2**	0.99971

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0530	0.0534	0.0004	0.0532
100	0.100	0.090 - 0.110	0.0999	0.1001	0.0002	0.1
200	0.200	0.180 - 0.220	0.1962	0.1957	0.0005	0.1959
300	0.300	0.270 - 0.330	0.2989	0.2983	0.0006	0.2986
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5018	0.5023	0.0005	0.502

Aqueous Controls

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

NB

Internal Standard Monitoring Worksheet

Worklist #:	7242	Run Date(s):	9/4/25-9/5/25

Internal Standard Solution:	Prep Date:	6/24/2025	Exp Date:	12/24/2025

Sample Name	Column 1 Value	Column 2 Value
0.080	174332	186058
0.080	175722	187750
QC1	174723	186714
QC1	172837	184586
QC1		
QC1		
QC1		
QC1		
QC2	196370	209609
QC2	193202	206472
QC2	200029	213715
QC2	200836	214577
QC2	197399	210431
QC2	208927	222738

	Average	(-)20%	(+)20%
Column 1	189437.7	151550.2	227325.2
Column 2	202265.0	161812.0	242718.0

NB

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

Calibration Table

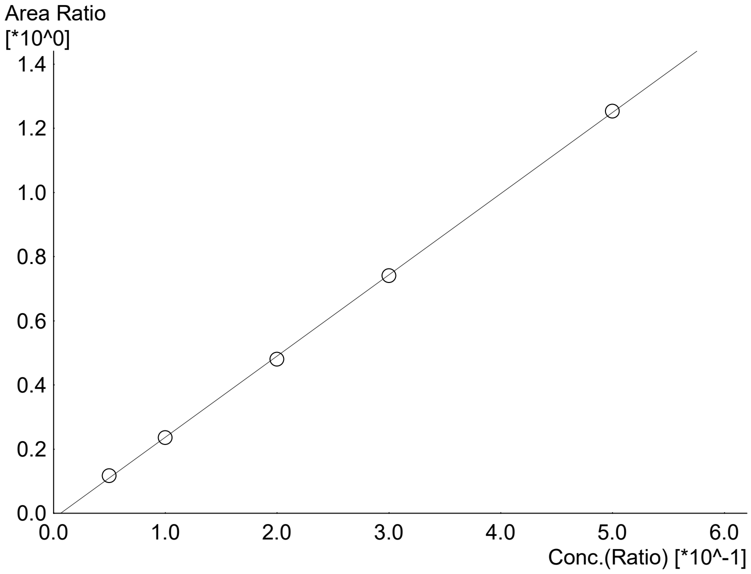
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
Method File :Default Project - ALCOHOL_250904NB.gcm
Date Created :9/4/2025 4:05:44 PM
Date Modified :9/5/2025 8:41:55 AM

Not Ready

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)=2.53095*x-0.0166242
R^2 value= 0.9997847
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19868	0.0530
2	0.100	38808	0.0999
3	0.200	78965	0.1962
4	0.300	123399	0.2989
5	0.500	211181	0.5018

NB

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

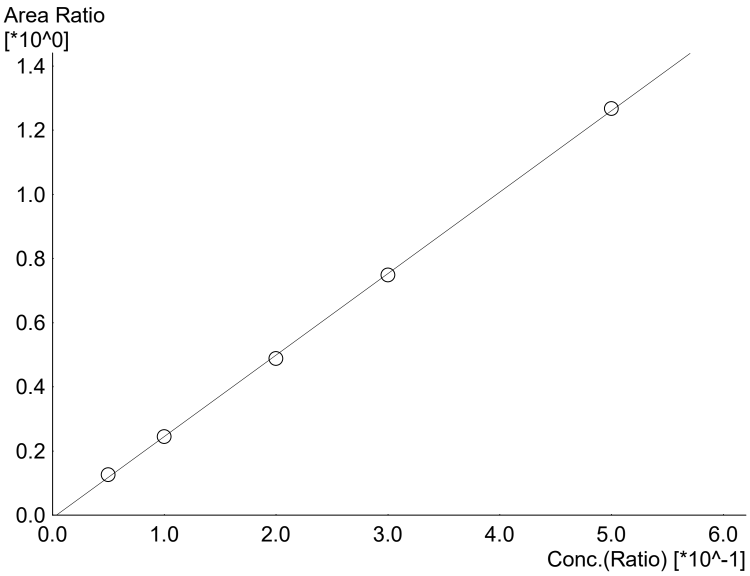
#	Conc.	Area	Std. Conc.

NB

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)=2.54095*x-0.00939911
R^2 value= 0.9997060
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22781	0.0534
2	0.100	43075	0.1001
3	0.200	85783	0.1957
4	0.300	133104	0.2983
5	0.500	227192	0.5023

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.

NB

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.

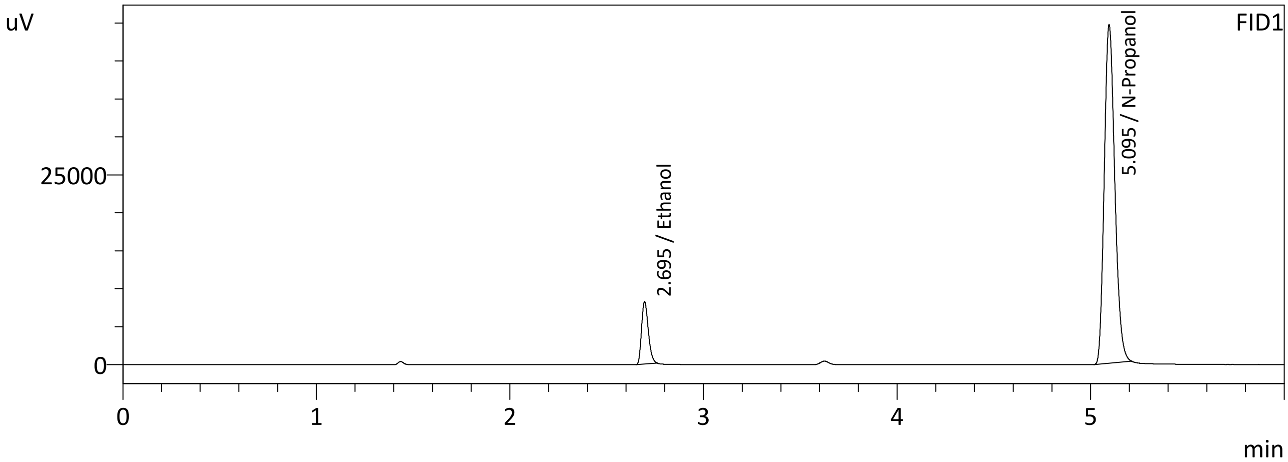
Not Ready

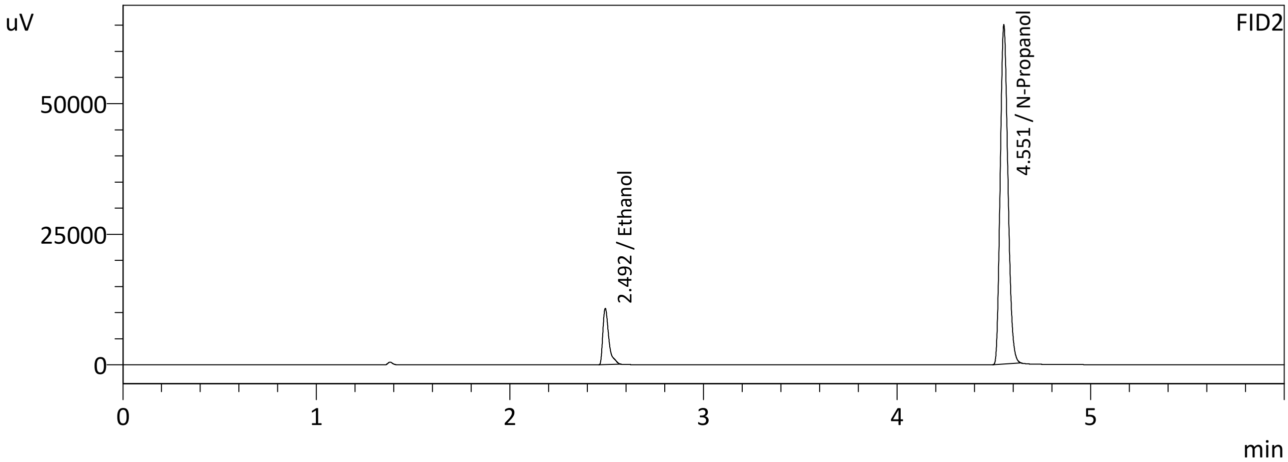
Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

NB

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 9/4/2025 4:37:29 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

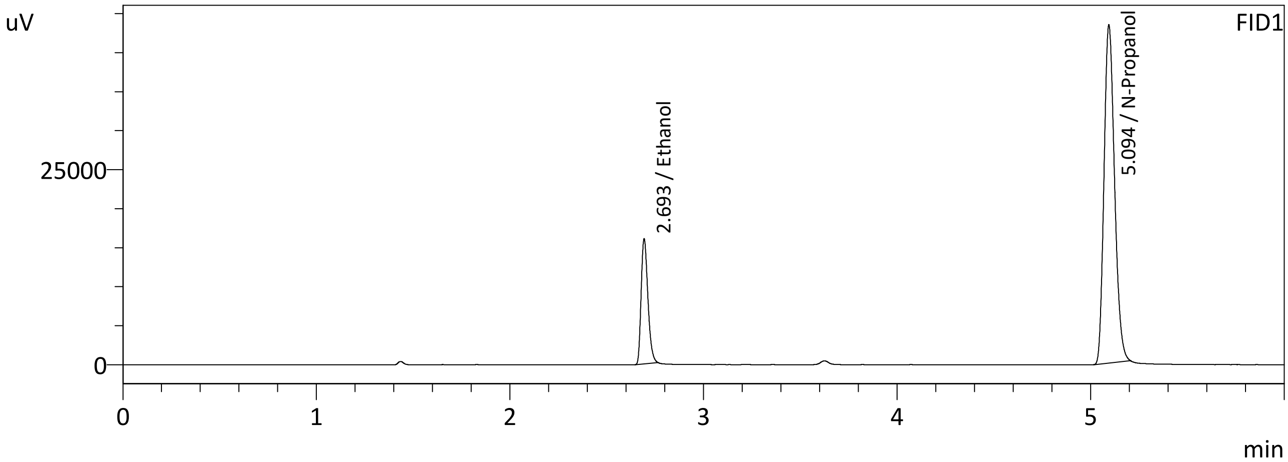
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0530	19868	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	169010	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

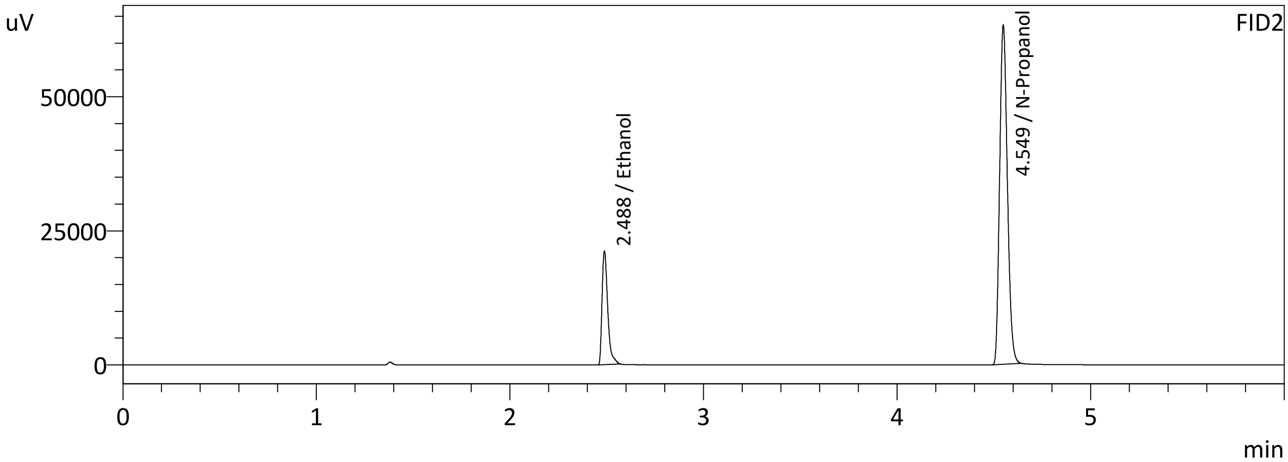
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0534	22781	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180314	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/4/2025 4:50:14 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

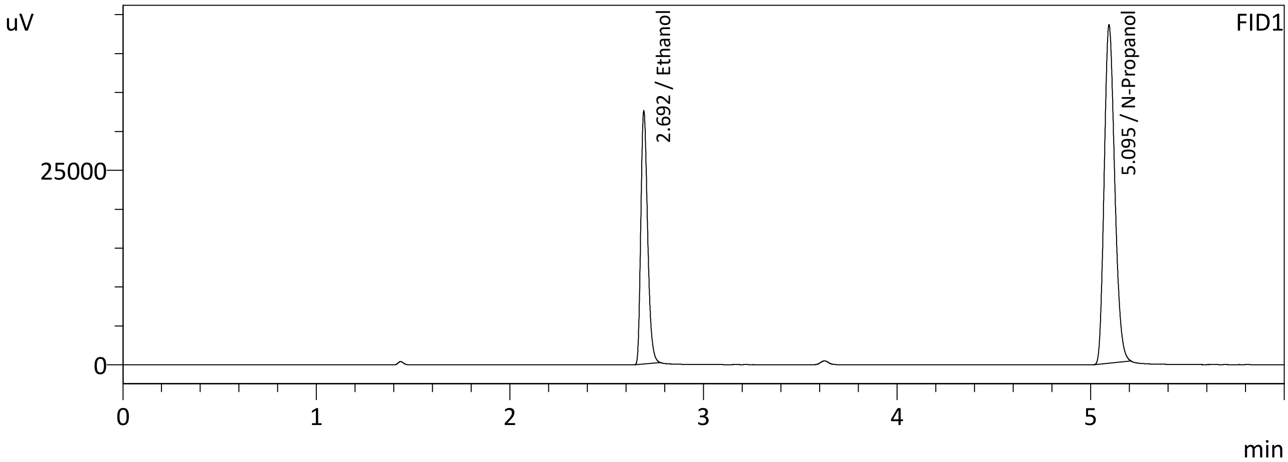
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0999	38808	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	164222	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

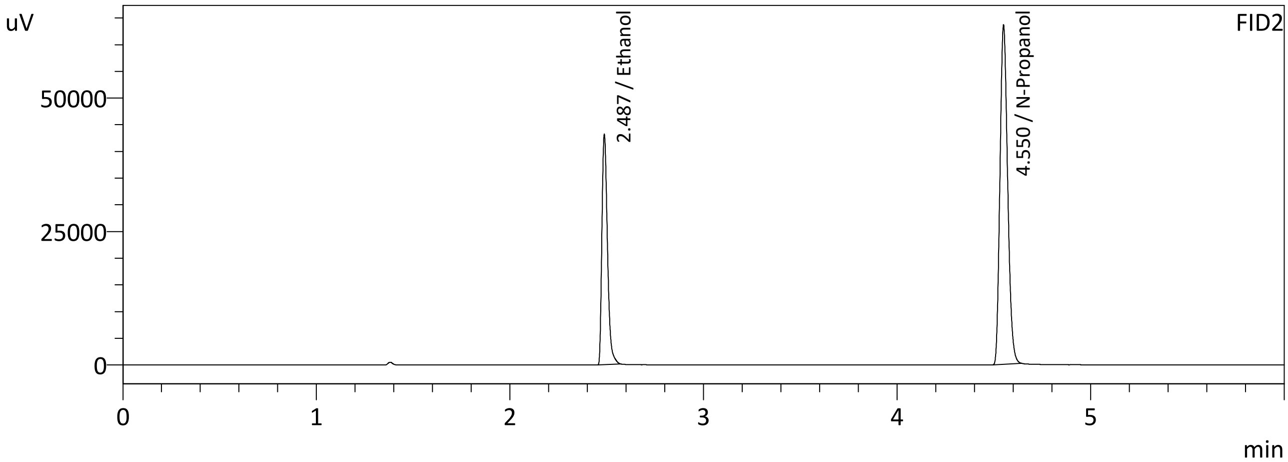
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	43075	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175763	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: 0.200
Laboratory	: Meridian
Injection Date	: 9/4/2025 5:02:22 PM
Vial #	: 3
Method Filename	: Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

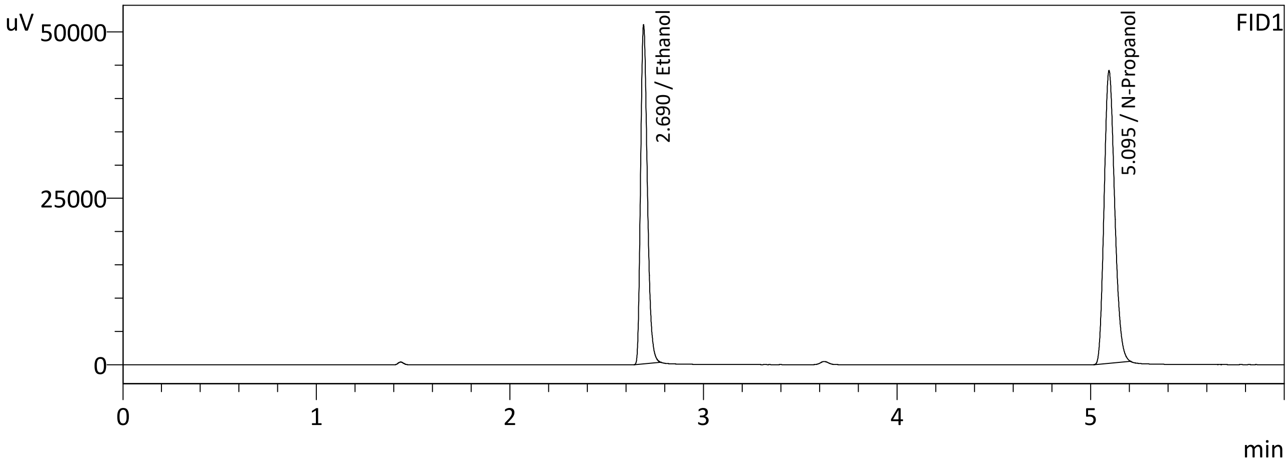
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1962	78965	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	164471	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

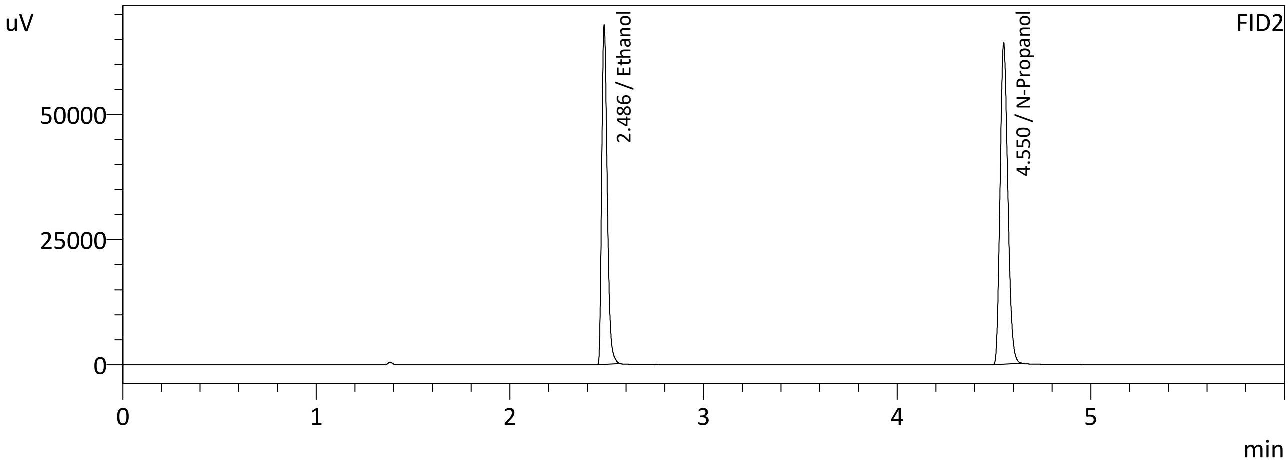
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1957	85783	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175743	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/4/2025 5:14:35 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

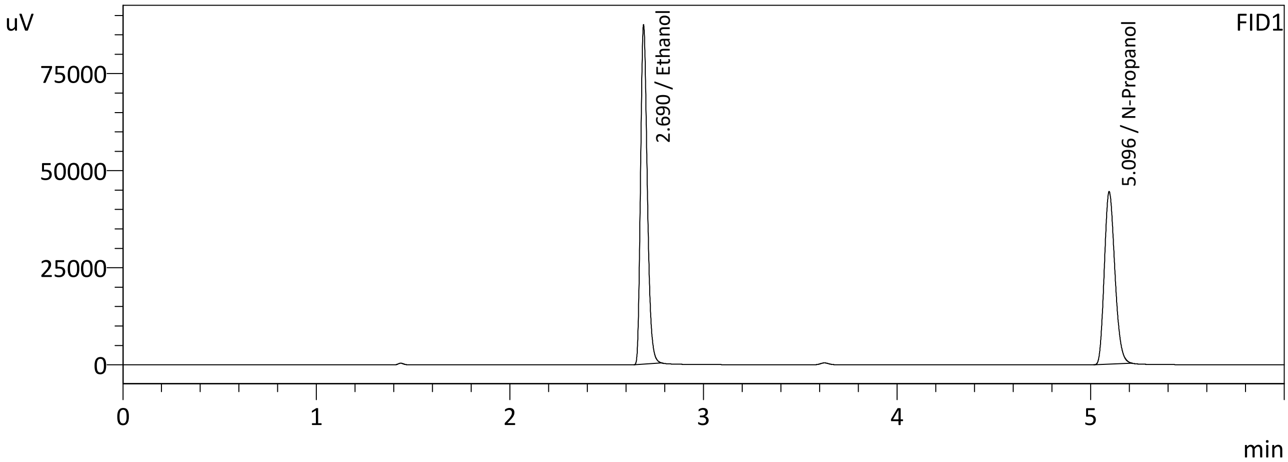
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2989	123399	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	166761	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

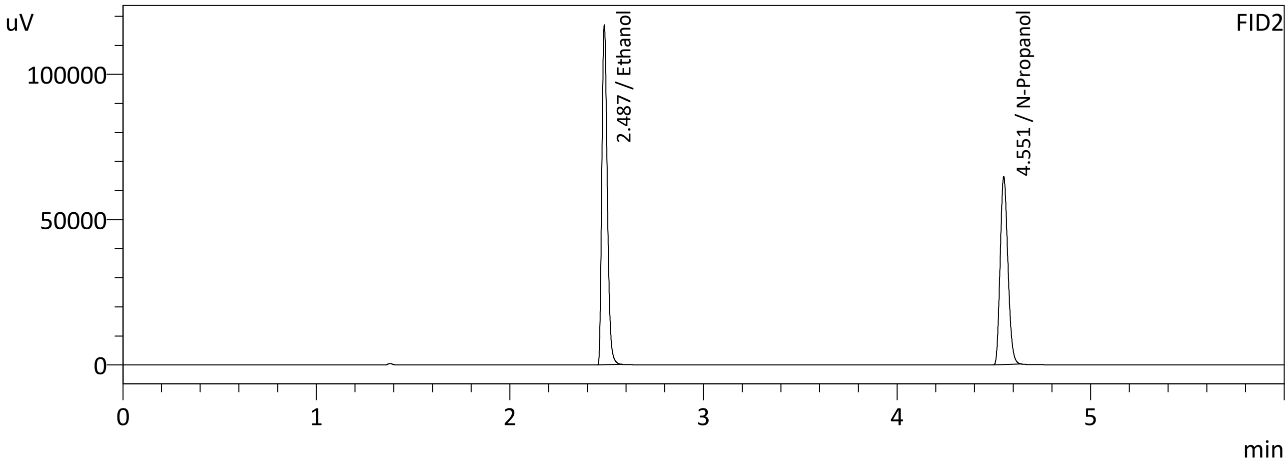
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2983	133104	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	177806	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/4/2025 5:27:02 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

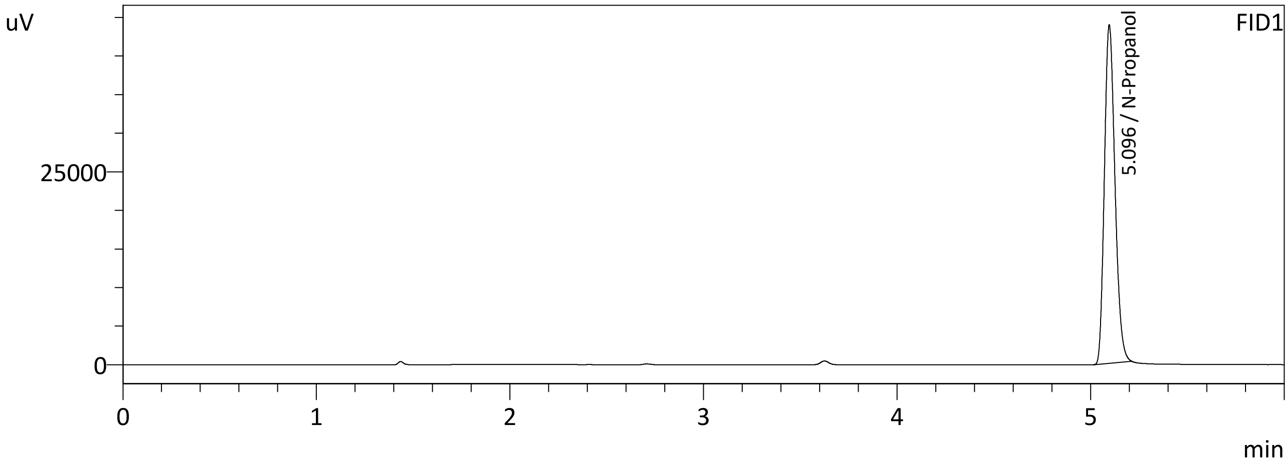
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	211181	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	168472	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

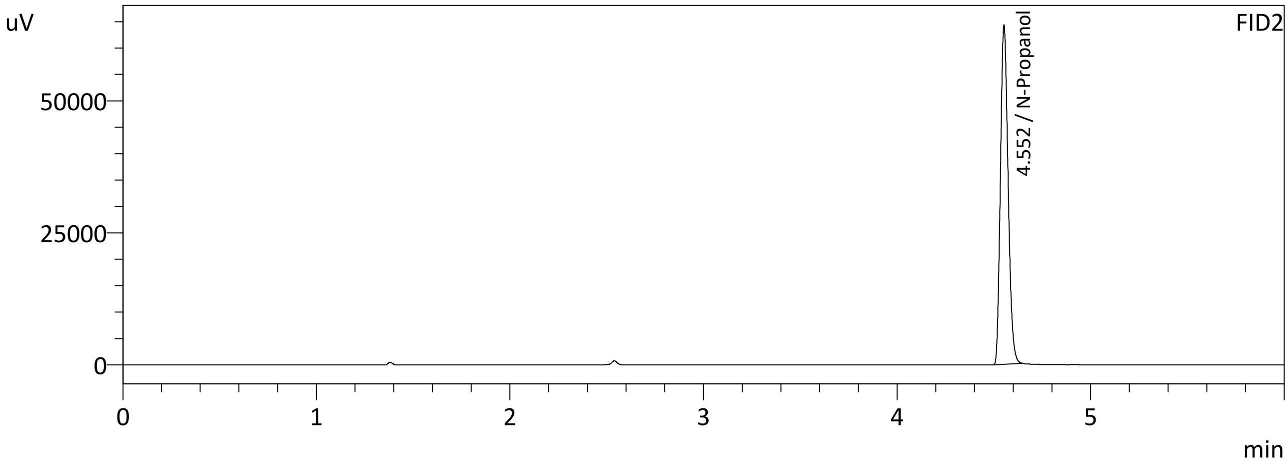
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5023	227192	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	179318	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: ISTD BLK
Laboratory	: Meridian
Injection Date	: 9/4/2025 5:39:03 PM
Vial #	: 6
Method Filename	: Default Project - ALCOHOL_250904NB.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	166451	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	177619	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

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_250904NB.gcm
2	0.100	1:Standard	2	ALCOHOL_250904NB.gcm
3	0.200	1:Standard	3	ALCOHOL_250904NB.gcm
4	0.300	1:Standard	4	ALCOHOL_250904NB.gcm
5	0.500	1:Standard	5	ALCOHOL_250904NB.gcm
6	ISTD BLK	0:Unknown	0	ALCOHOL_250904NB.gcm

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 9/4/2025 6:58:09 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0835	0.0848	0.0013	0.0841	0.0005	0.0838
(g/100cc)	0.0835	0.0837	0.0002	0.0836		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250904NB.gcm

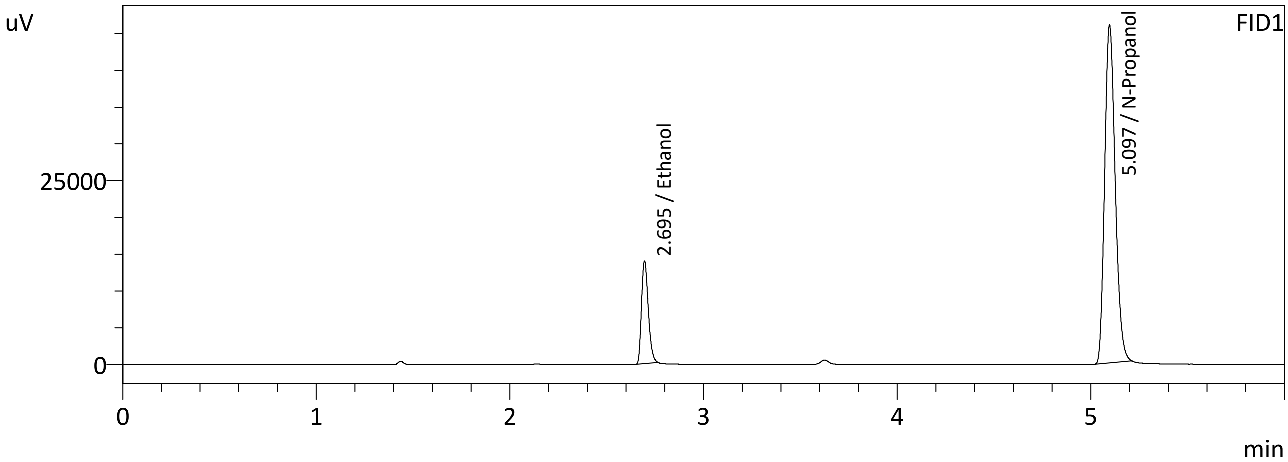
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

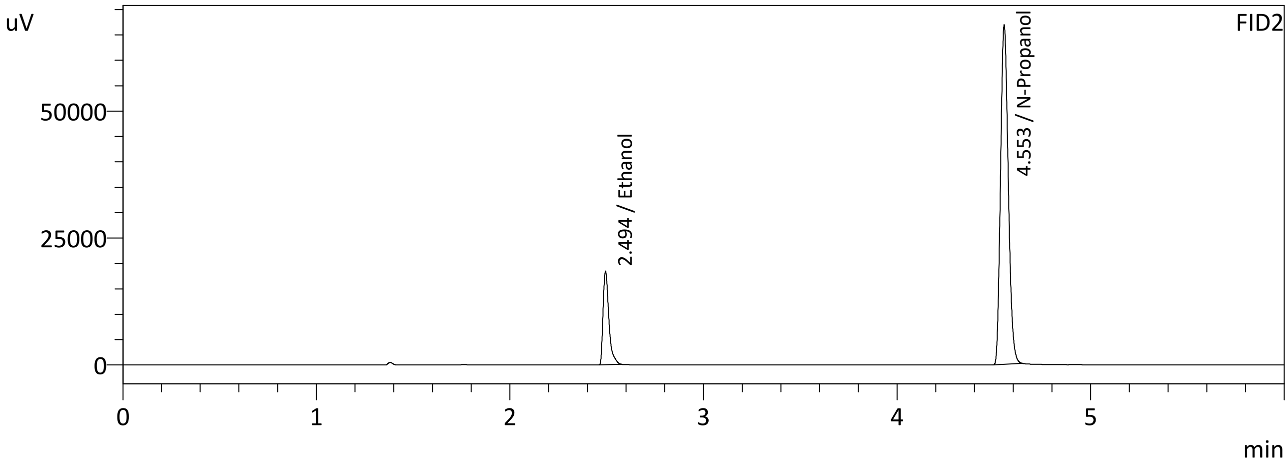
	Reported Results	
	0.083	

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 9/4/2025 6:58:09 PM
Vial # : 11
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

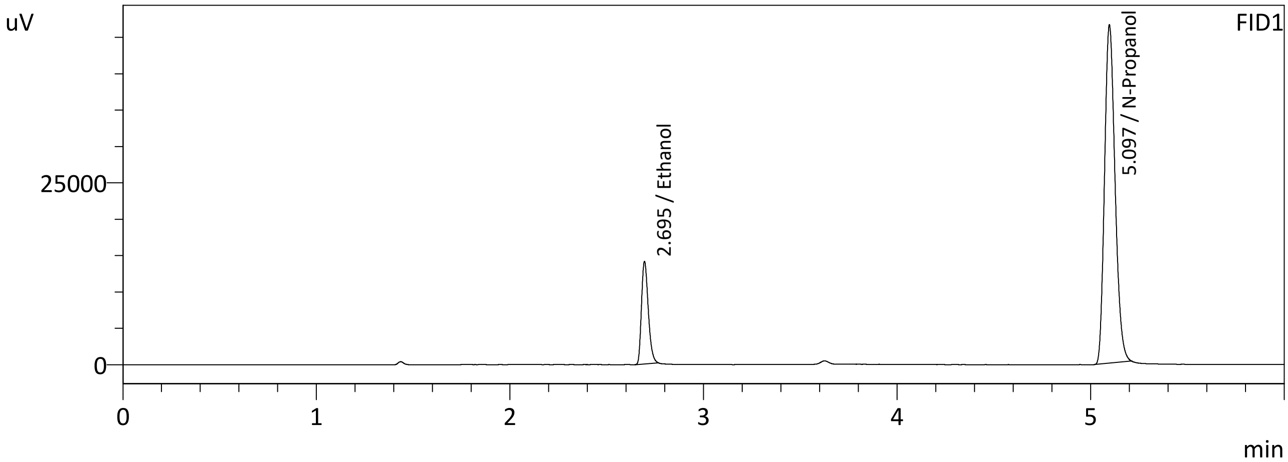
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	33981	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174332	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

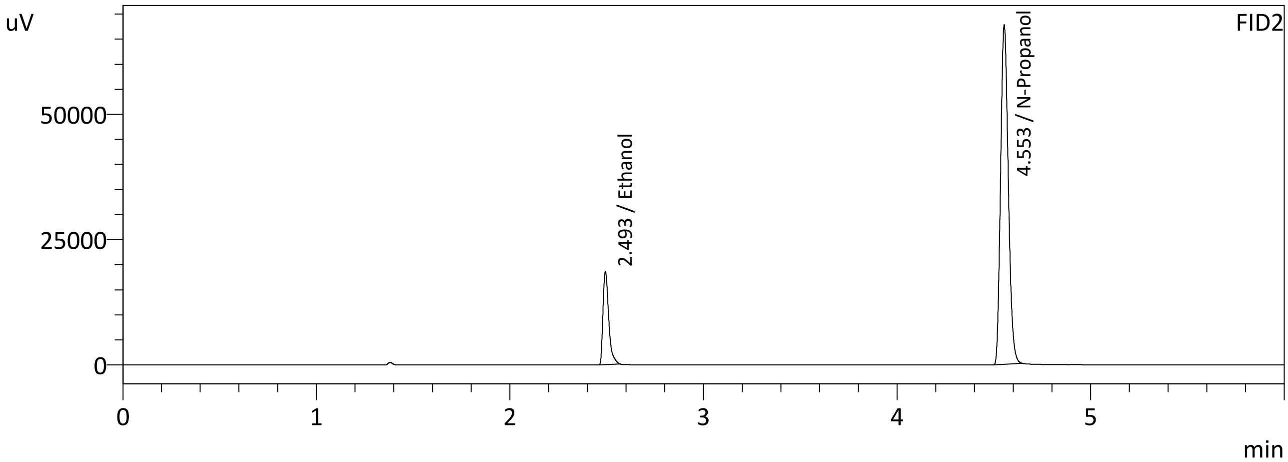
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0848	38343	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186058	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/4/2025 7:10:22 PM
Vial # : 12
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	34252	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175722	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	38177	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187750	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s):** 9/4/2025 6:33:09 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	0.0822	0.0000	0.0822	0.0006	0.0825
(g/100cc)	0.0828	0.0829	0.0001	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250904NB.gcm

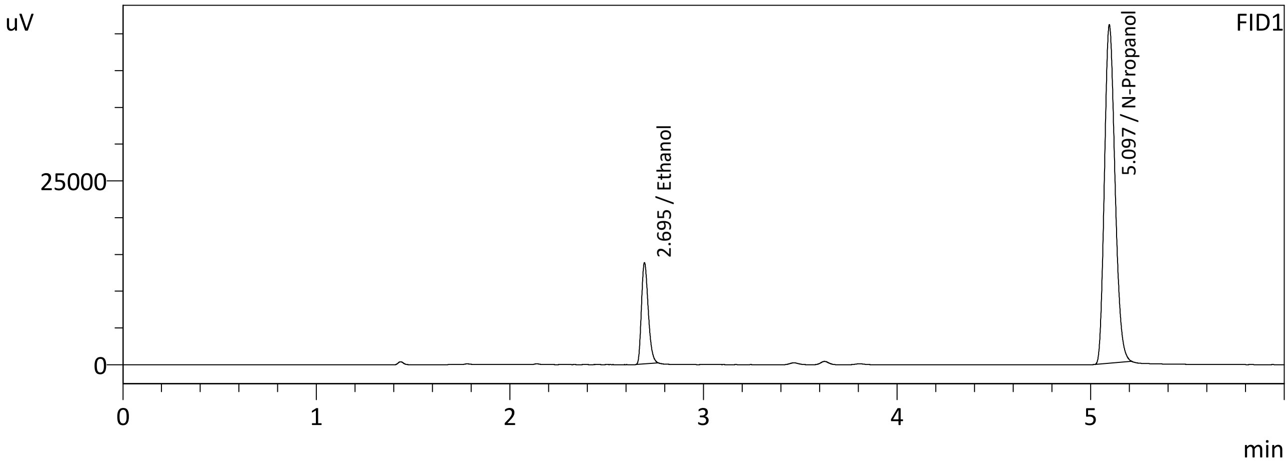
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

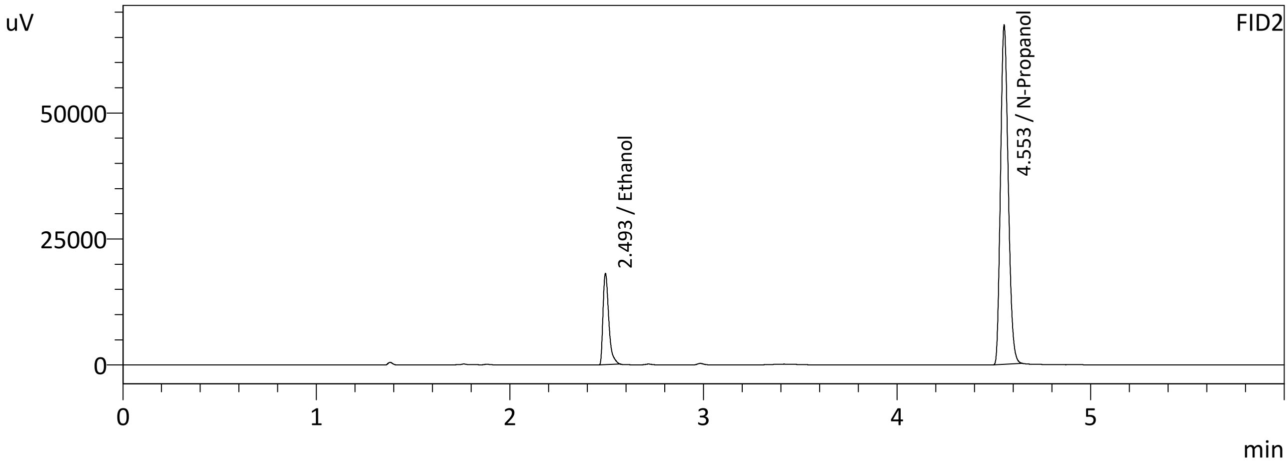
	Reported Results	
	0.082	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 9/4/2025 6:33:09 PM
Vial # : 9
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

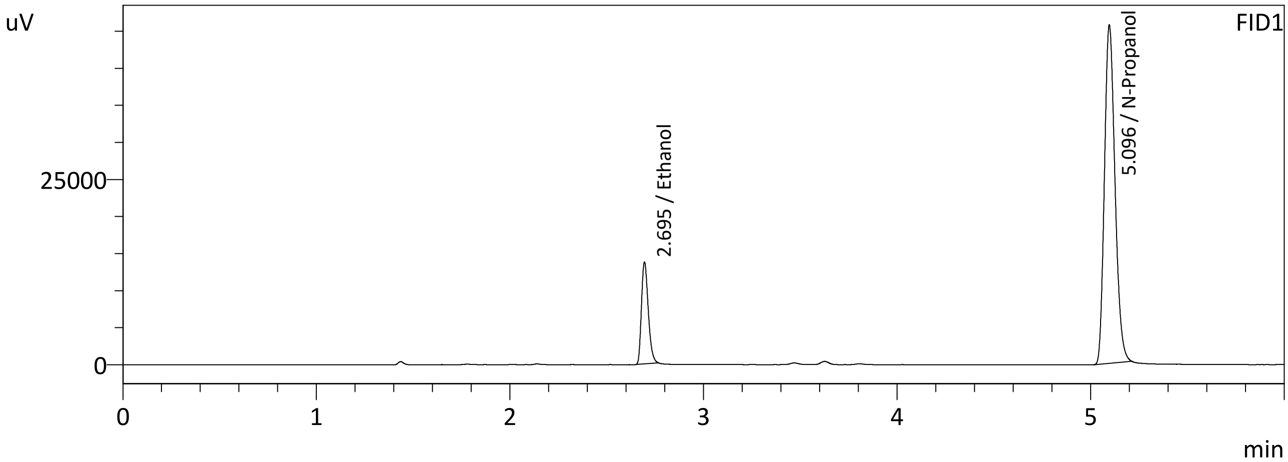
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	33485	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174723	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

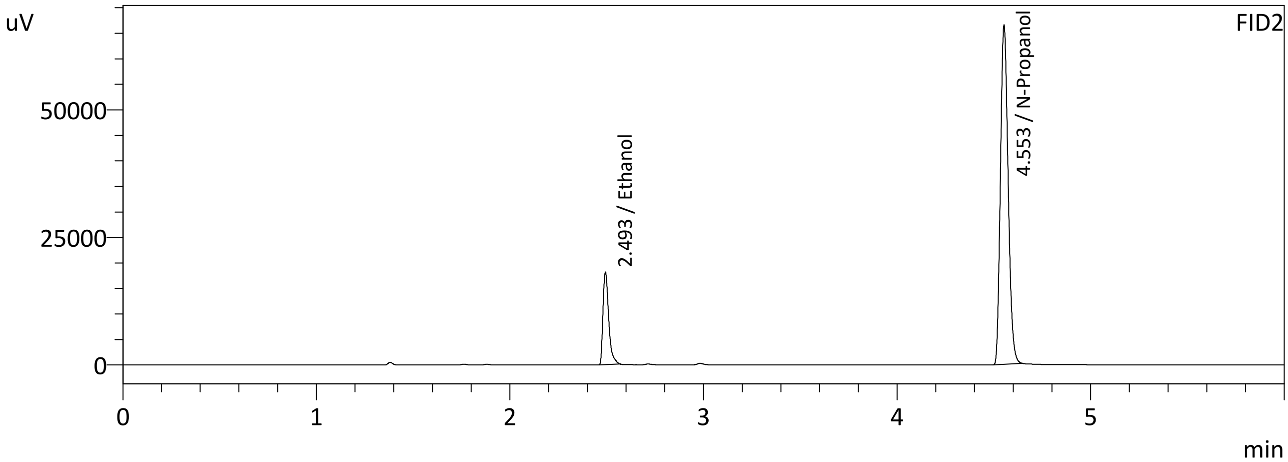
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	37245	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	186714	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/4/2025 6:45:27 PM
Vial # : 10
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	33380	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	172837	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	37192	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184586	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 9/4/2025 11:04:55 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1959	0.1953	0.0006	0.1956	0.0013	0.1949
(g/100cc)	0.1944	0.1943	0.0001	0.1943		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250904NB.gcm

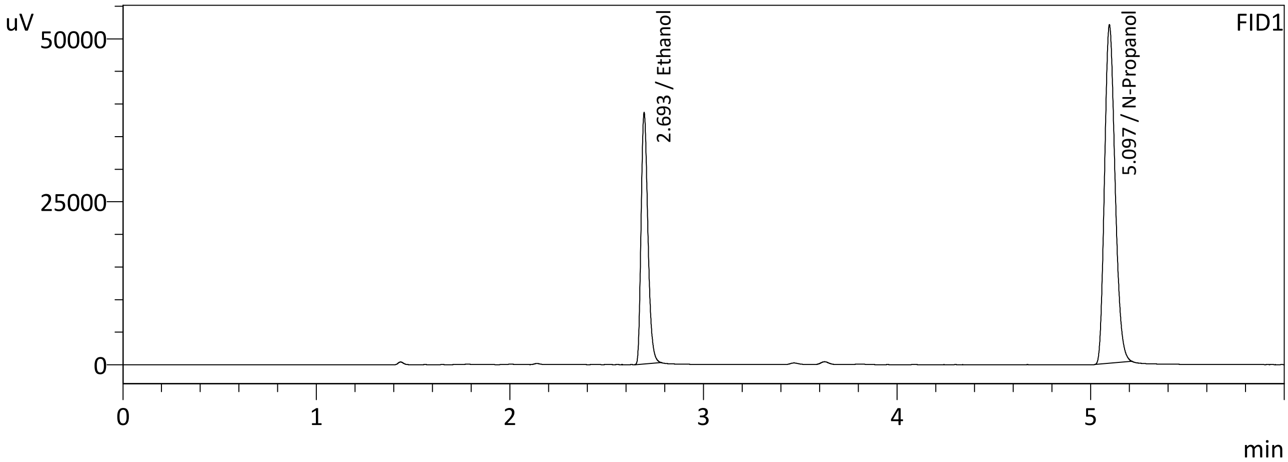
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.194	0.184	0.204	0.010

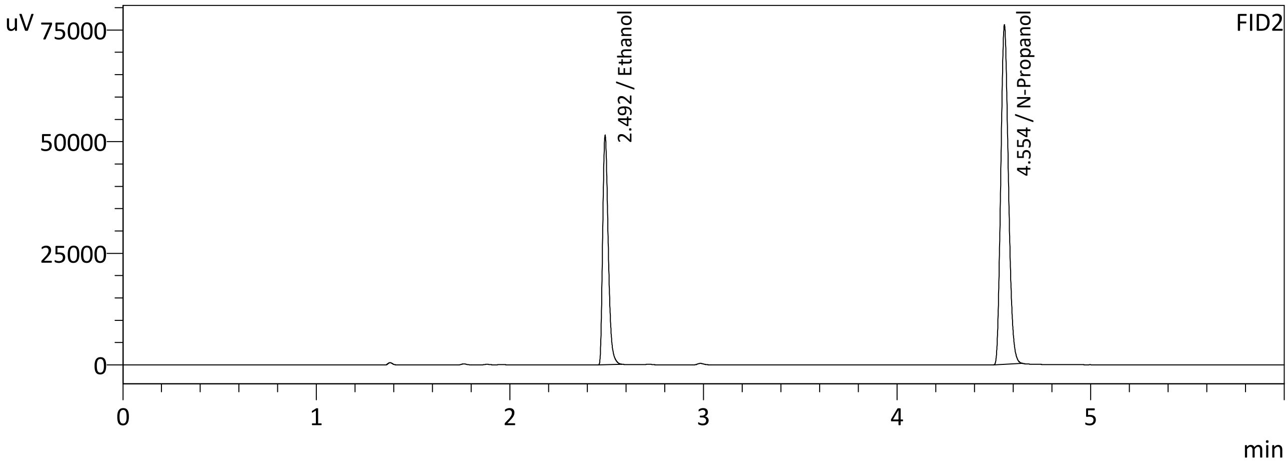
	Reported Results	
	0.194	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 9/4/2025 11:04:55 PM
Vial # : 31
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

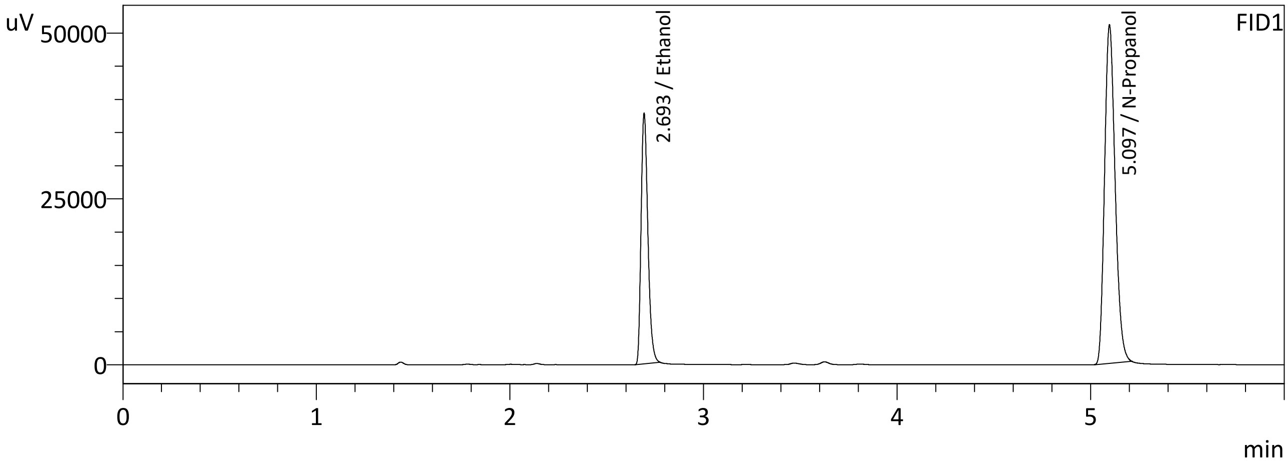
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1959	94126	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196370	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

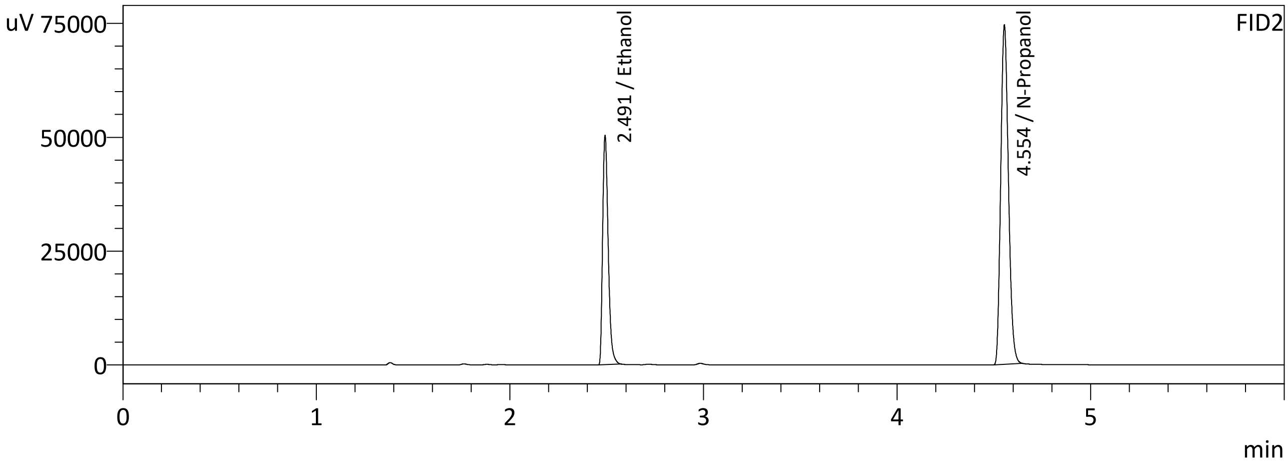
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1953	102050	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209609	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/4/2025 11:17:20 PM
Vial # : 32
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1944	91867	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193202	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1943	100039	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206472	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 9/5/2025 2:22:11 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1956	0.1949	0.0007	0.1952	0.0013	0.1958
(g/100cc)	0.1971	0.1959	0.0012	0.1965		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250904NB.gcm

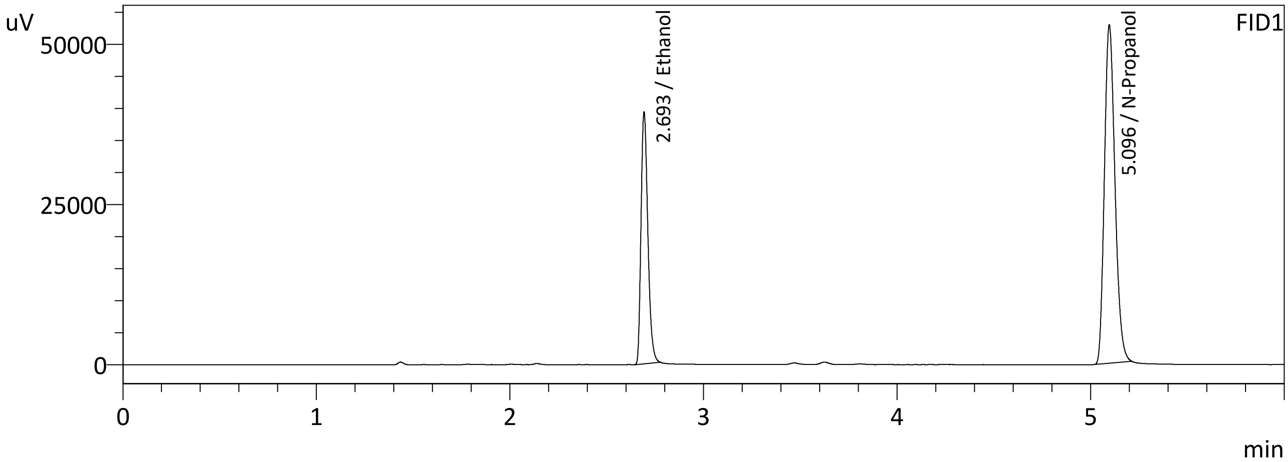
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.195	0.185	0.205	0.010

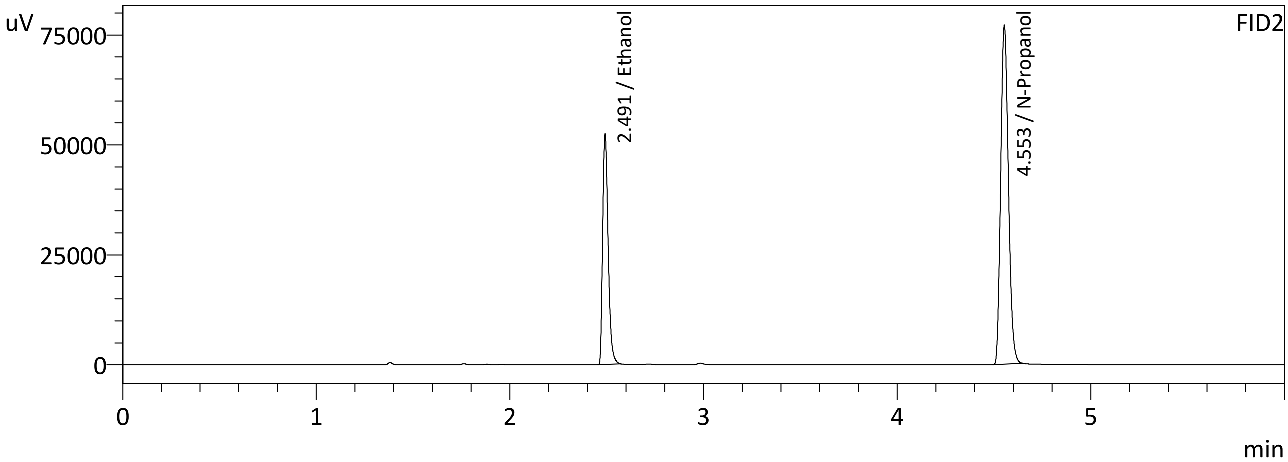
	Reported Results	
	0.195	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 9/5/2025 2:22:11 AM
Vial # : 47
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

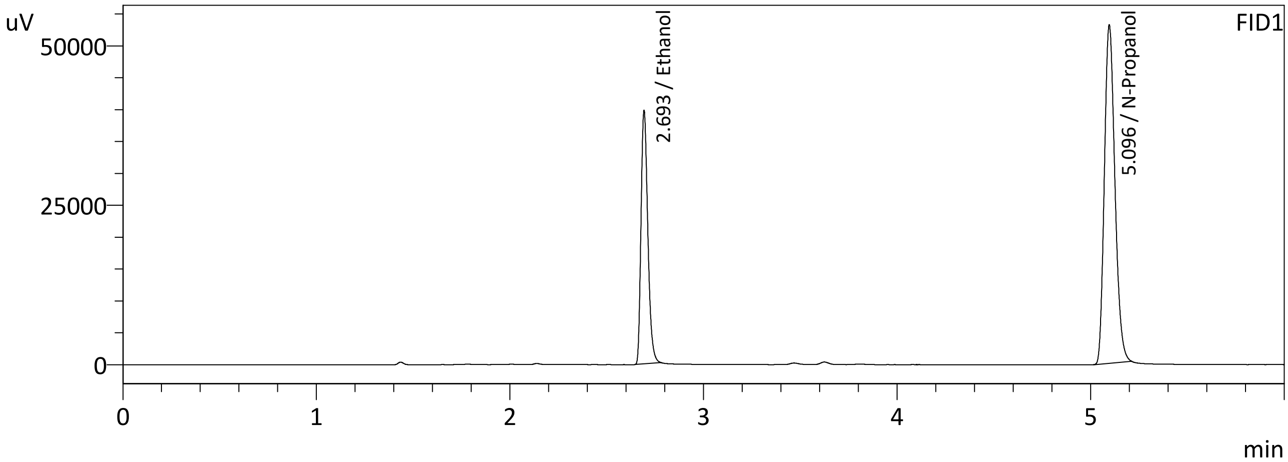
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1956	95707	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200029	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

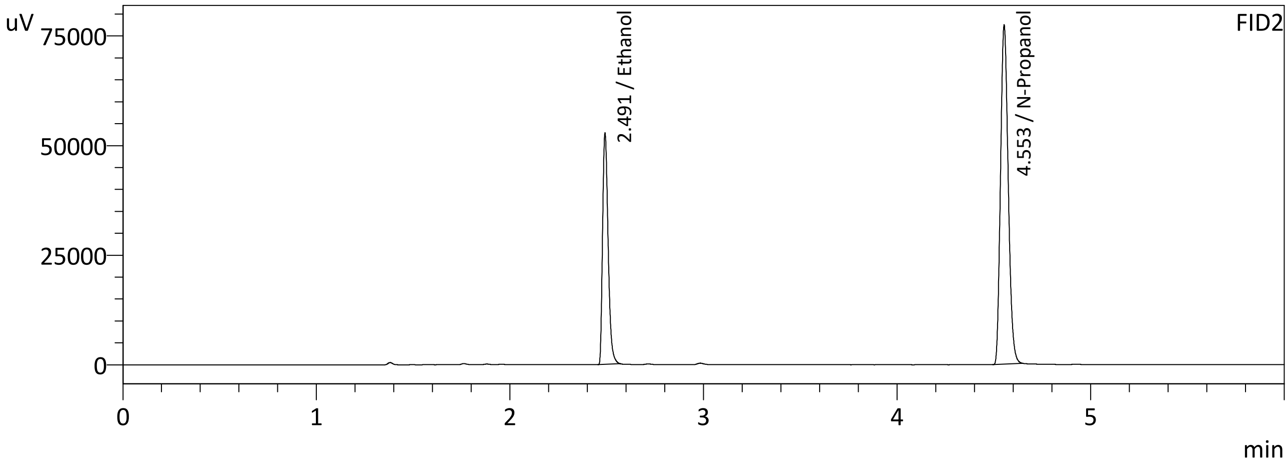
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1949	103859	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213715	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 9/5/2025 2:34:42 AM
Vial # : 48
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1971	96887	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200836	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1959	104843	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214577	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-3 **Analysis Date(s): 9/5/2025 2:47:09 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1950	0.1953	0.0003	0.1951	0.0011	0.1945
(g/100cc)	0.1944	0.1936	0.0008	0.1940		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250904NB.gcm

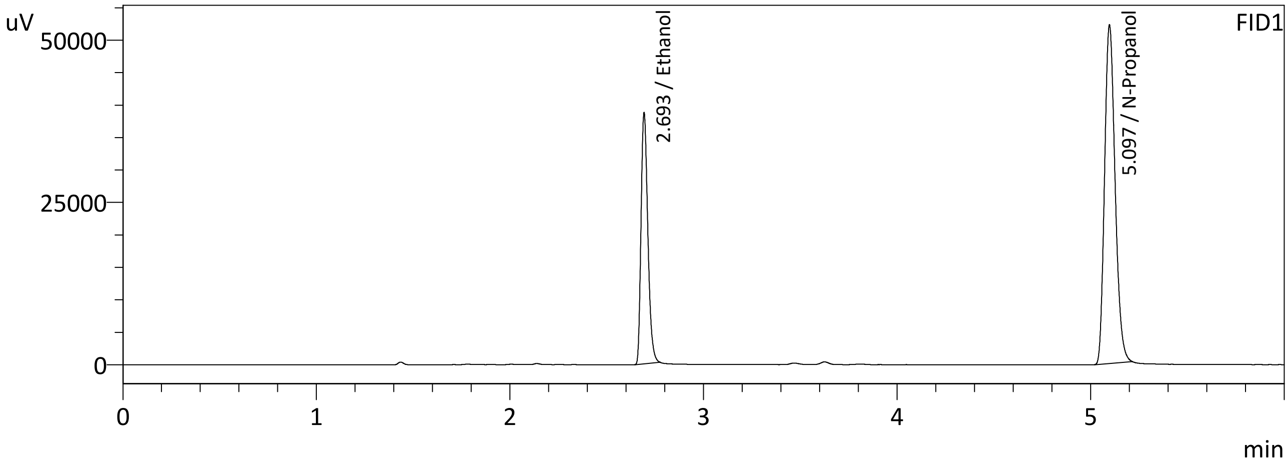
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.194	0.184	0.204	0.010

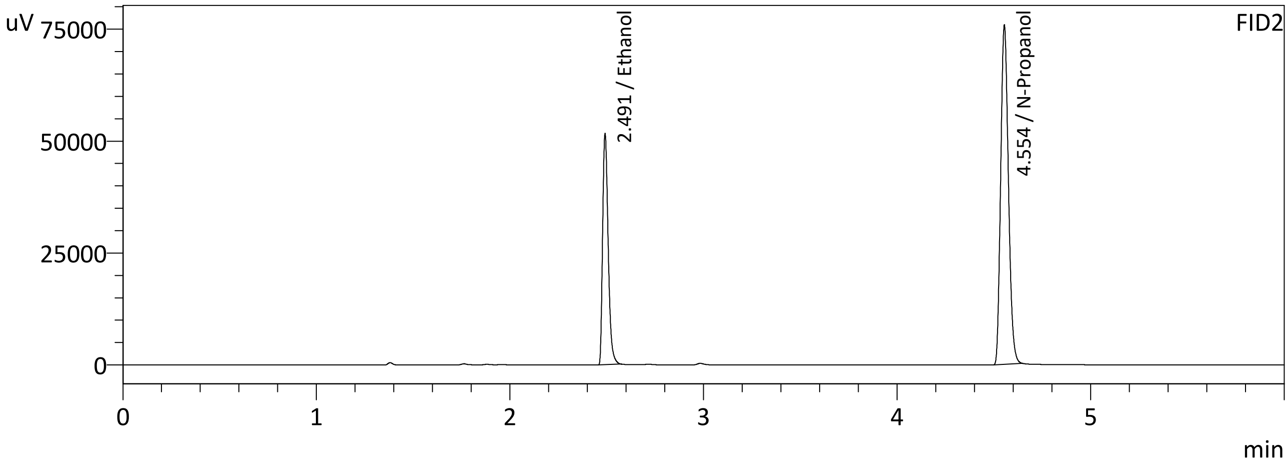
Reported Results
0.194

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-3
Laboratory : Meridian
Injection Date : 9/5/2025 2:47:09 AM
Vial # : 49
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

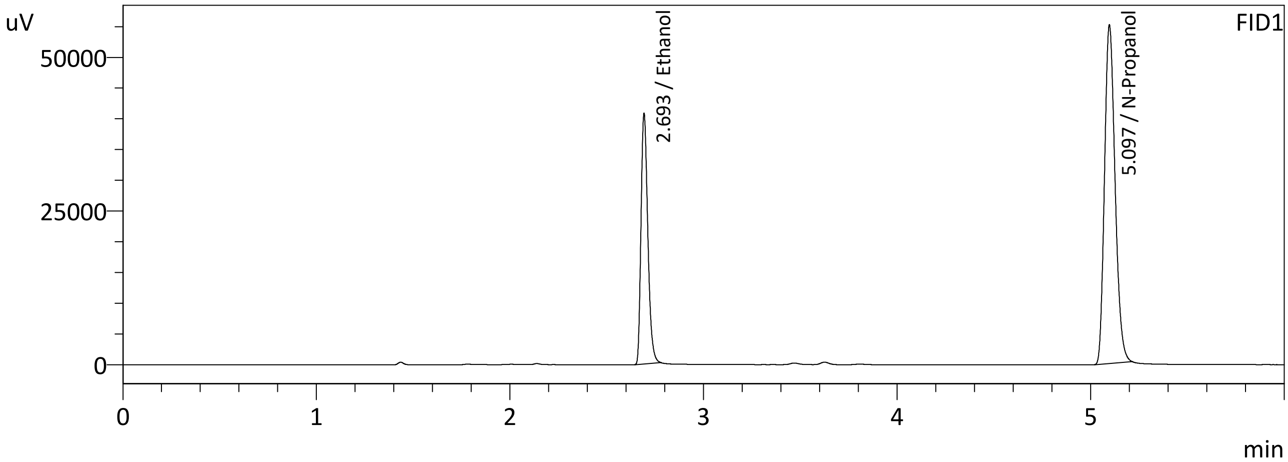
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1950	94156	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197399	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

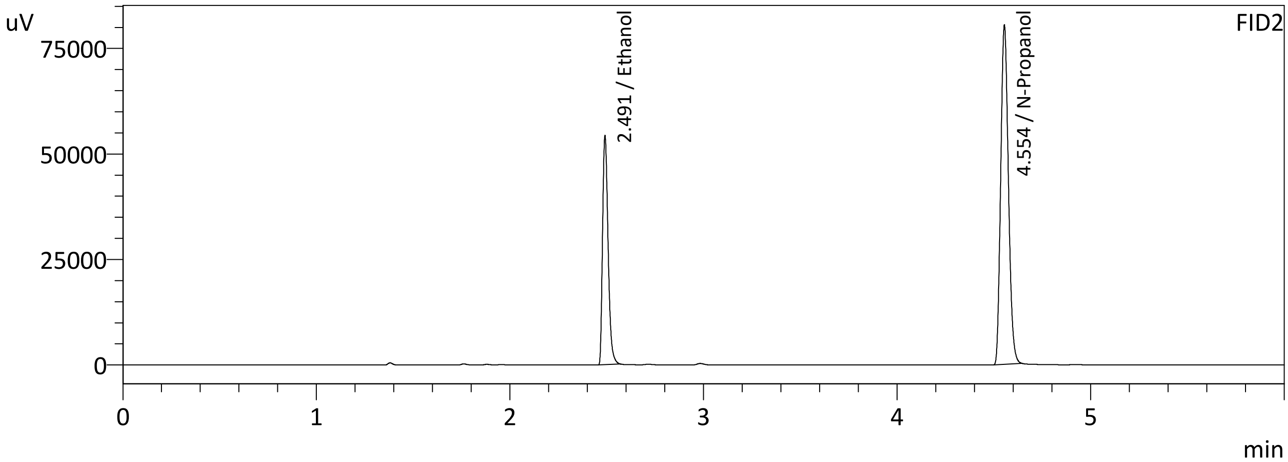
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1953	102462	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210431	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-3-B
Laboratory : Meridian
Injection Date : 9/5/2025 2:59:51 AM
Vial # : 50
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

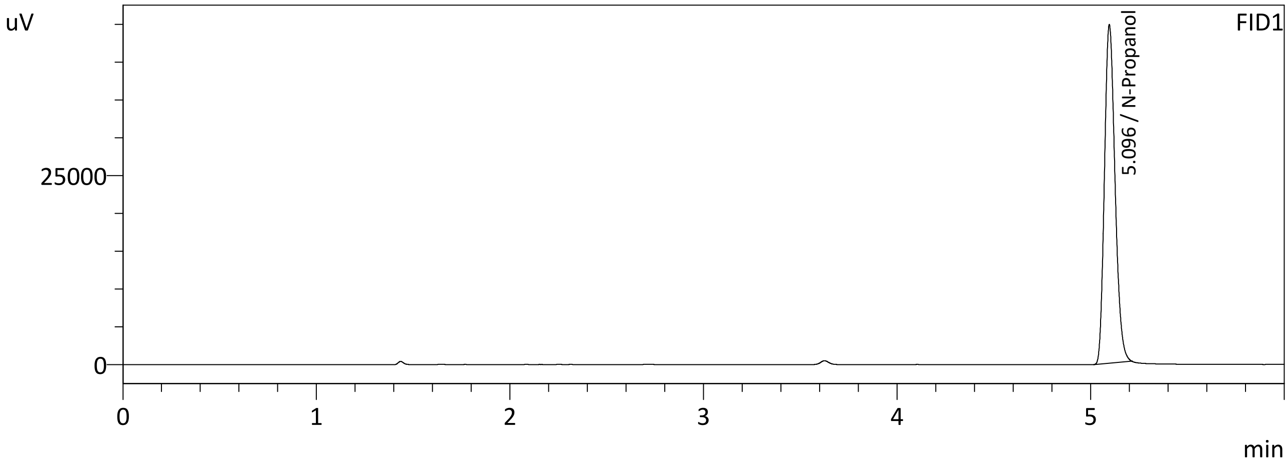
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1944	99368	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208927	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

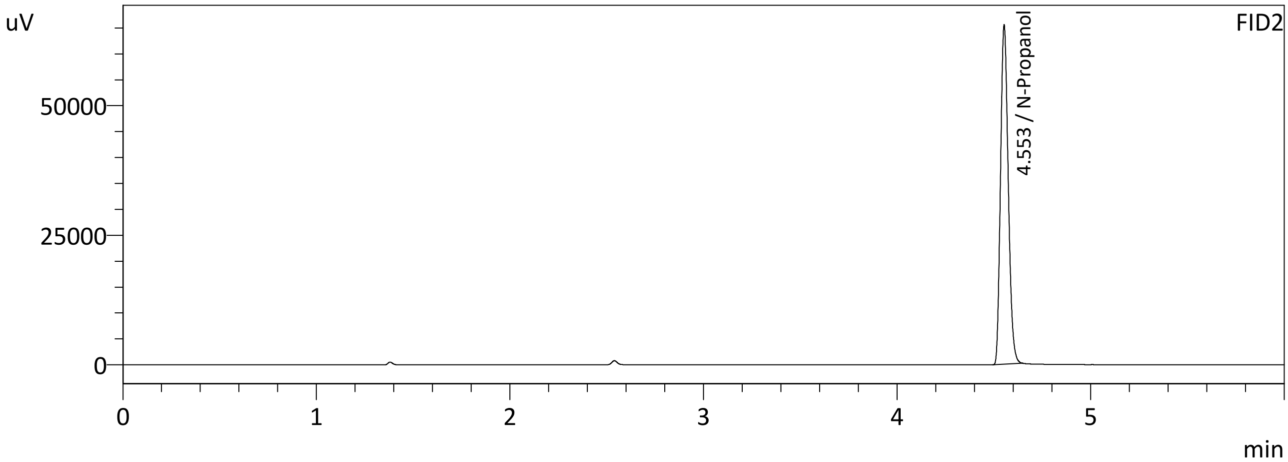
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1936	107479	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222738	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name	: ISTD BLK 1
Laboratory	: Meridian
Injection Date	: 9/4/2025 6:08:14 PM
Vial #	: 7
Method Filename	: Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

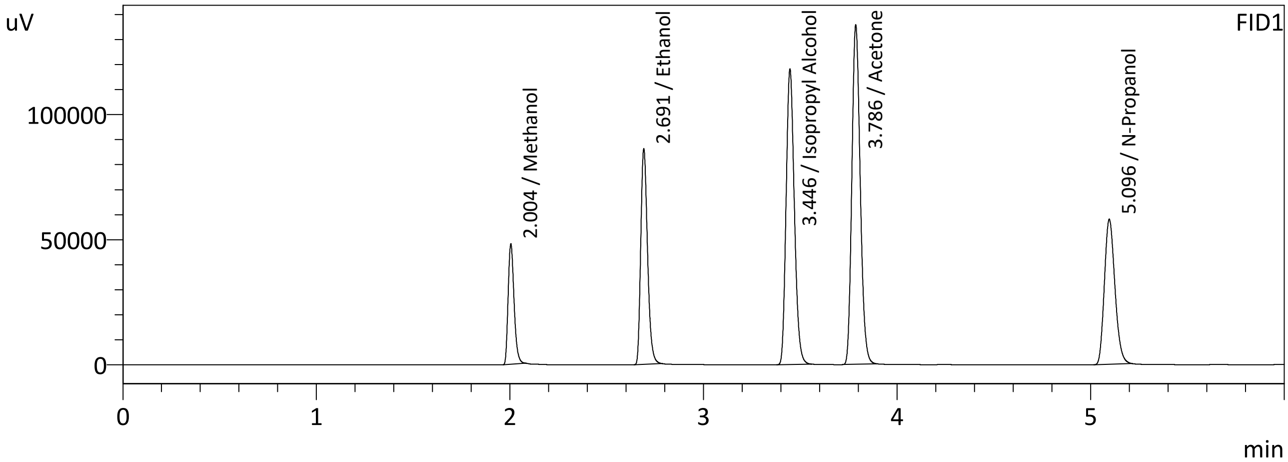
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	170191	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

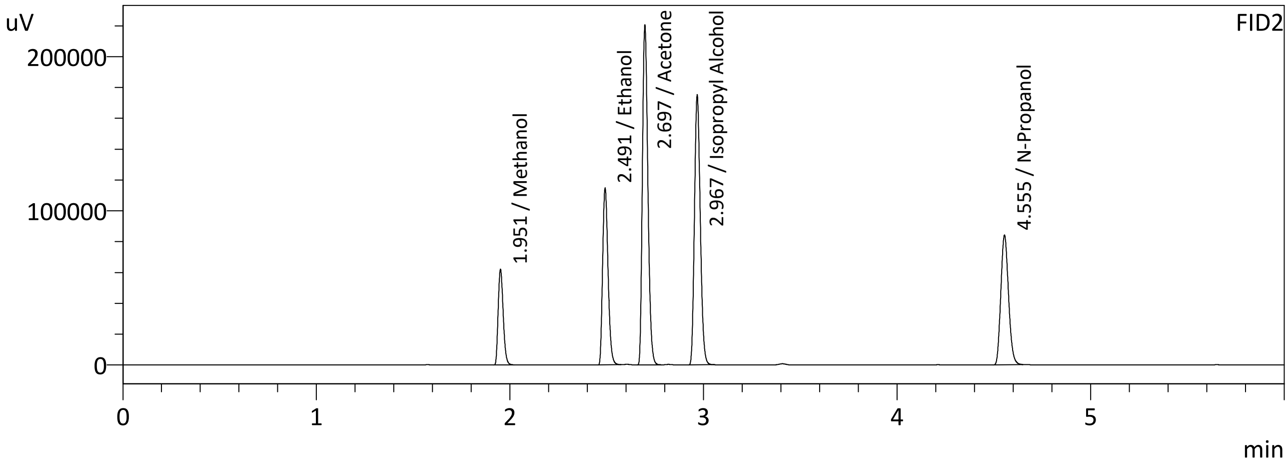
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	181831	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 9/4/2025 6:21:00 PM
Vial # : 8
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

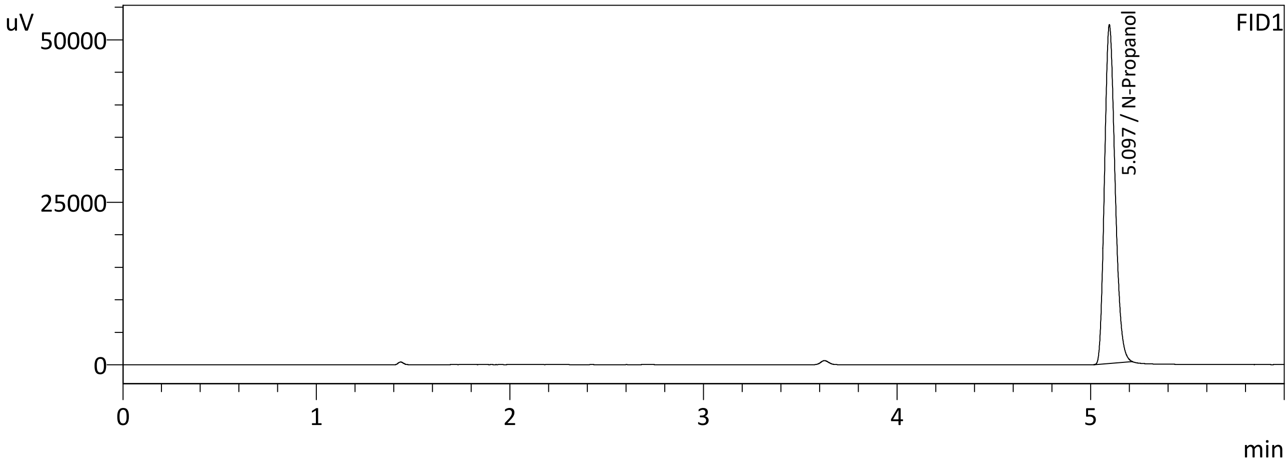
Name	Conc.	Area	Unit
Methanol	0.0000	102073	g/100cc
Ethanol	0.3837	209094	g/100cc
Isopropyl Alcohol	0.0000	349091	g/100cc
Acetone	0.0000	407628	g/100cc
N-Propanol	0.0000	219014	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

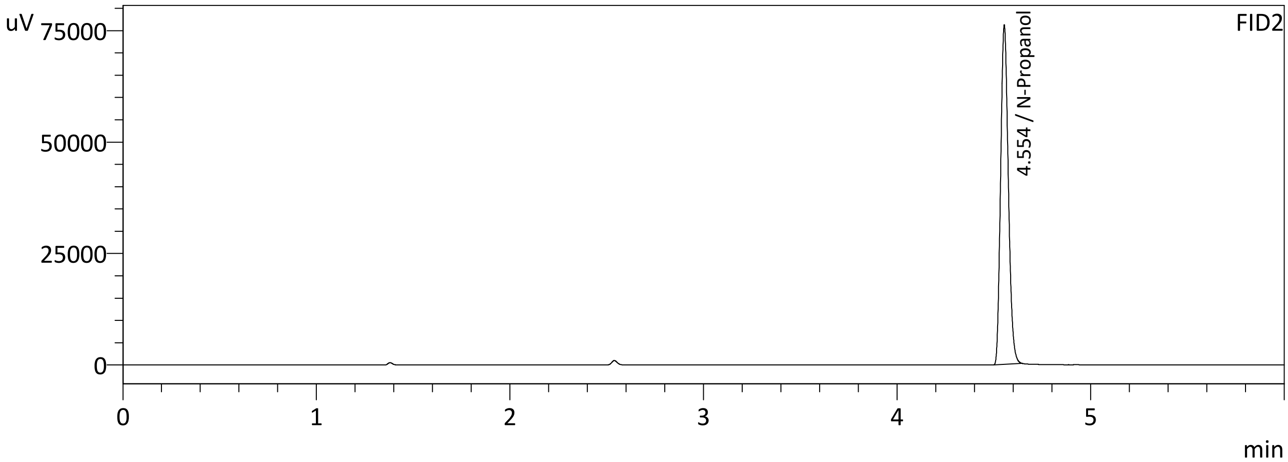
FID2

Name	Conc.	Area	Unit
Methanol	0.0000	111663	g/100cc
Ethanol	0.3812	222852	g/100cc
Acetone	0.0000	433485	g/100cc
Isopropyl Alcohol	0.0000	366918	g/100cc
N-Propanol	0.0000	232281	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 9/5/2025 3:12:07 AM
Vial # : 51
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

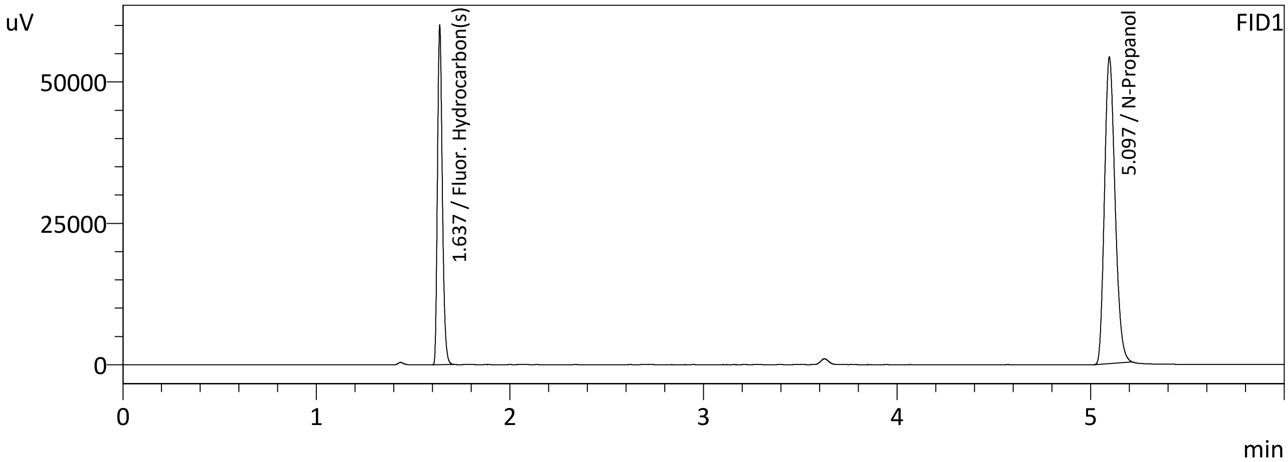
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197540	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

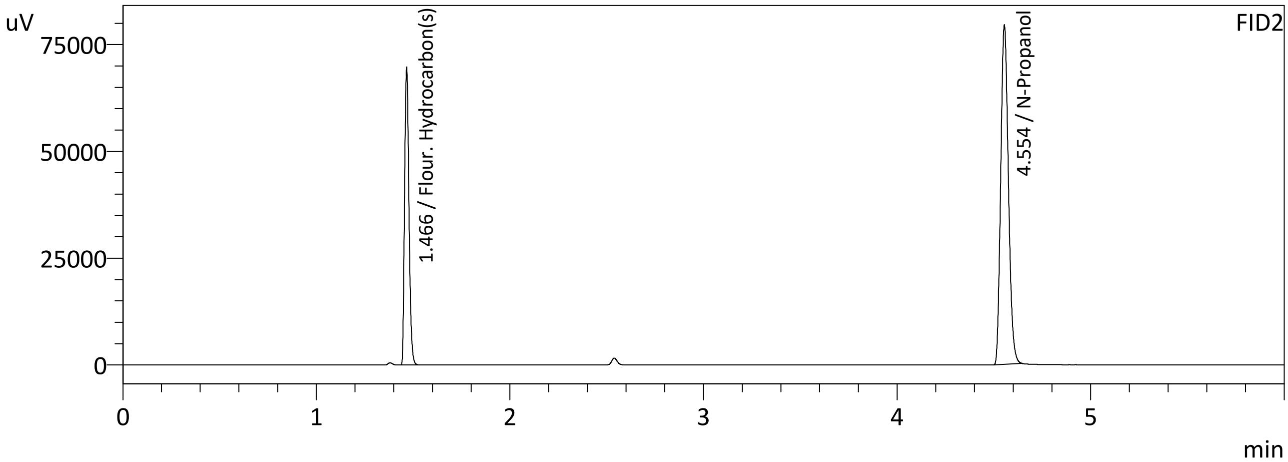
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210959	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : 9/5/2025 3:24:20 AM
Vial # : 52
Method Filename : Default Project - ALCOHOL_250904NB.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

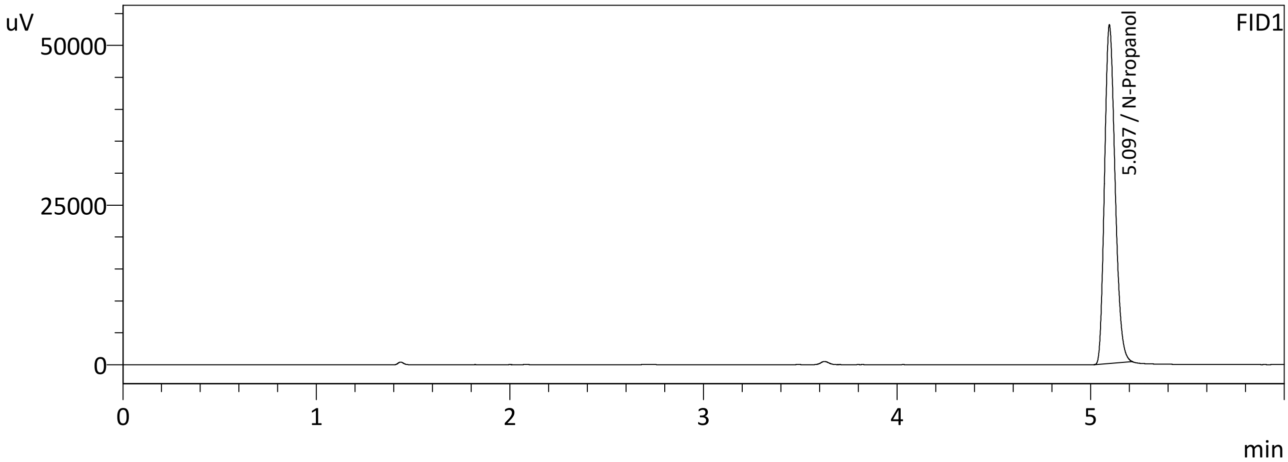
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205581	g/100cc
Fluor. Hydrocarbon(s)	0.0000	104739	g/100cc

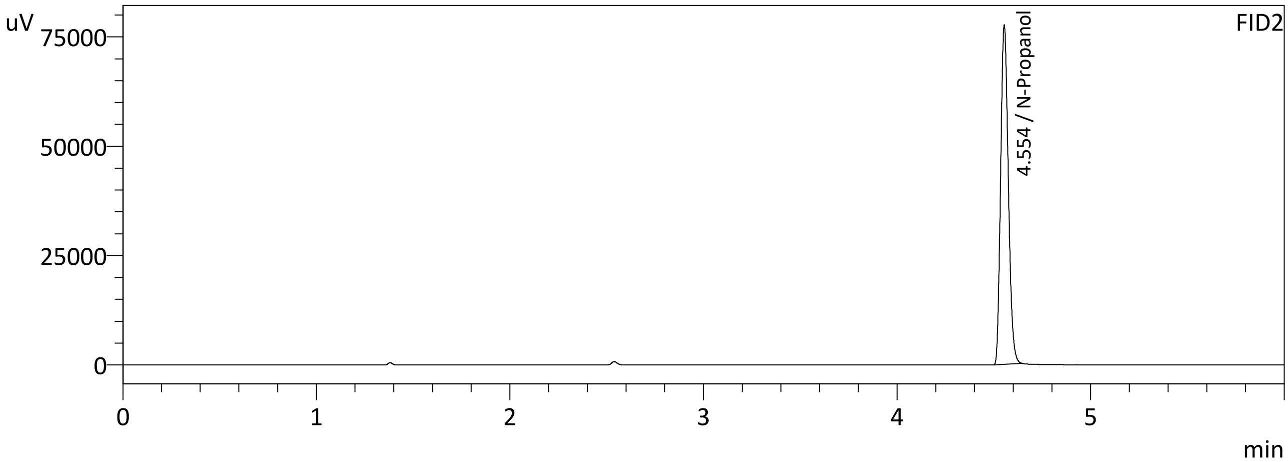
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219348	g/100cc
Flour. Hydrocarbon(s)	0.0000	109415	g/100cc

NB

Sample Name : ISTD BLK 3
Laboratory : Meridian
Injection Date : 9/5/2025 3:36:33 AM
Vial # : 53
Method Filename : Default Project - ALCOHOL_250904NB.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	201094	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	214478	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

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
7	ISTD BLK 1	0:Unknown	0	ALCOHOL 250904NB.gcm
8	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 250904NB.gcm
9	QC-1-1	0:Unknown	0	ALCOHOL 250904NB.gcm
10	QC-1-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
11	0.08 QA	0:Unknown	0	ALCOHOL 250904NB.gcm
12	0.08 QA-B	0:Unknown	0	ALCOHOL 250904NB.gcm
13	M2025-3534-1	0:Unknown	0	ALCOHOL 250904NB.gcm
14	M2025-3534-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
15	M2025-3545-2	0:Unknown	0	ALCOHOL 250904NB.gcm
16	M2025-3545-2-B	0:Unknown	0	ALCOHOL 250904NB.gcm
17	M2025-3551-1	0:Unknown	0	ALCOHOL 250904NB.gcm
18	M2025-3551-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
19	M2025-3552-1	0:Unknown	0	ALCOHOL 250904NB.gcm
20	M2025-3552-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
21	M2025-3553-1	0:Unknown	0	ALCOHOL 250904NB.gcm
22	M2025-3553-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
23	M2025-3567-1	0:Unknown	0	ALCOHOL 250904NB.gcm
24	M2025-3567-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
25	M2025-3571-1	0:Unknown	0	ALCOHOL 250904NB.gcm
26	M2025-3571-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
27	M2025-3572-1	0:Unknown	0	ALCOHOL 250904NB.gcm
28	M2025-3572-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
29	M2025-3573-1	0:Unknown	0	ALCOHOL 250904NB.gcm
30	M2025-3573-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
31	QC-2-1	0:Unknown	0	ALCOHOL 250904NB.gcm
32	QC-2-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
33	M2025-3574-1	0:Unknown	0	ALCOHOL 250904NB.gcm
34	M2025-3574-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
35	M2025-3586-1	0:Unknown	0	ALCOHOL 250904NB.gcm
36	M2025-3586-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
37	M2025-3587-1	0:Unknown	0	ALCOHOL 250904NB.gcm
38	M2025-3587-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
39	M2025-3606-1	0:Unknown	0	ALCOHOL 250904NB.gcm
40	M2025-3606-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
41	M2025-3613-1	0:Unknown	0	ALCOHOL 250904NB.gcm
42	M2025-3613-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
43	M2025-3616-1	0:Unknown	0	ALCOHOL 250904NB.gcm
44	M2025-3616-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
45	P2025-2783-1	0:Unknown	0	ALCOHOL 250904NB.gcm
46	P2025-2783-1-B	0:Unknown	0	ALCOHOL 250904NB.gcm
47	QC-2-2	0:Unknown	0	ALCOHOL 250904NB.gcm
48	QC-2-2-B	0:Unknown	0	ALCOHOL 250904NB.gcm
49	QC-2-3	0:Unknown	0	ALCOHOL 250904NB.gcm
50	QC-2-3-B	0:Unknown	0	ALCOHOL 250904NB.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 250904NB.gcm
52	DFE 111914OM	0:Unknown	0	ALCOHOL 250904NB.gcm
53	ISTD BLK 3	0:Unknown	0	ALCOHOL 250904NB.gcm

NB