Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor *Serial Number:* *ML600HC11378* 7/16/25

Volatiles Quality Assurance Controls **Run Date(s):** 7/~~16~~/25 7/15/25 JG

Calibration Date: *(if different)* 7/~~16~~/25 7/15/25 JG

Worklist #: 7201 7/16/25

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	May-27	2101199	0.0837	0.0754-0.0920	0.0796 g/100cc
					0.0837 g/100cc
					g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.2058 g/100cc
					0.2087 g/100cc
					g/100cc
Multi-Component mixture:	**Exp:**	**May 2028**	**Lot #**	FN05302307	
Curve Fit:		**Column 1**	0.99970	**Column2**	0.99973

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0474	0.0477	0.0003	0.0475
100	0.100	0.090 - 0.110	0.0992	0.0990	0.0002	0.0991
200	0.200	0.180 - 0.220	0.2019	0.2019	0	0.2019
300	0.300	0.270 - 0.330	0.3042	0.3040	0.0002	0.3041
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.4970	0.4971	1E-04	0.497

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 1:18 pm, Jul 16, 2025

JG

Internal Standard Monitoring Worksheet

Worklist #:	7201	Run Date(s):	7/16/25

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

Sample Name	Column 1 Value	Column 2 Value
0.080	193578	206382
0.080	194154	206694
QC1	189371	202096
QC1	190921	203536
QC1	238852	254560
QC1	232044	247410
QC1		
QC1		
QC2	226733	241677
QC2	220009	234814
QC2	238041	253979
QC2	229733	245121
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	215343.6	172274.9	258412.3
Column 2	229626.9	183701.5	275552.3

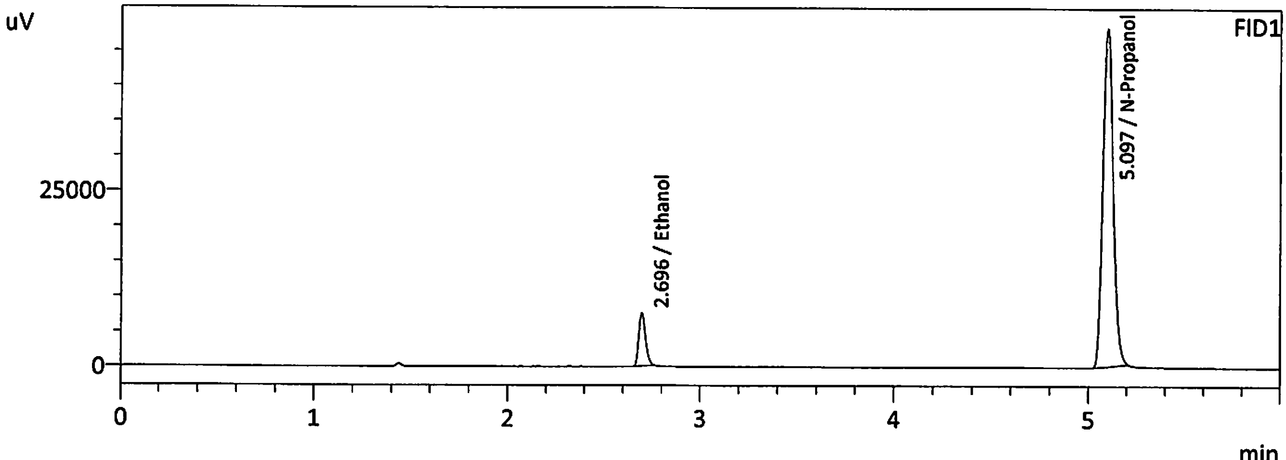
JG

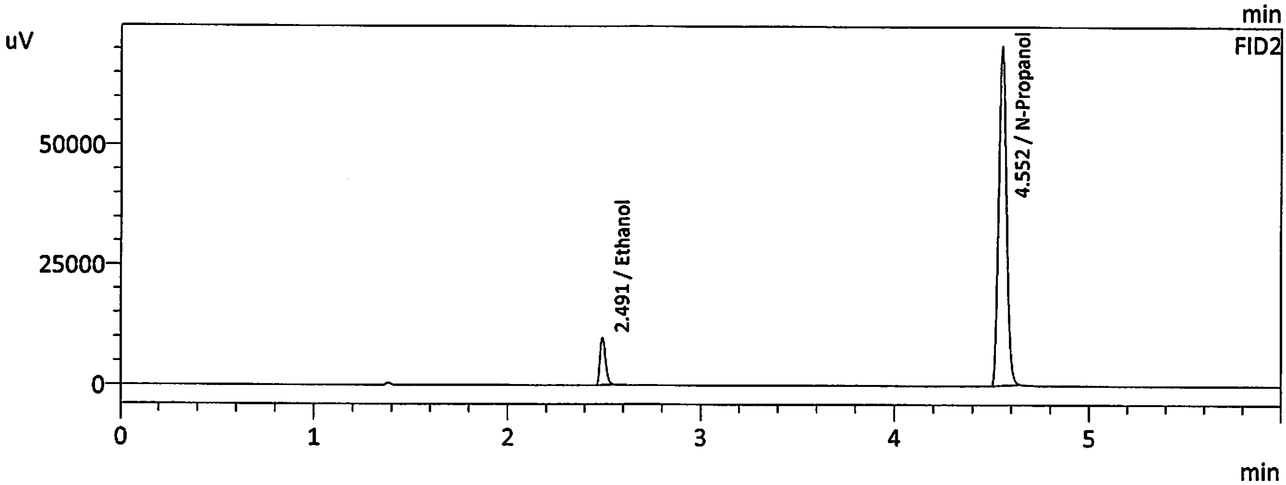
Worklist: 7201

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2025-2725	1	BCK	Alcohol Analysis
M2025-2726	1	BCK	Alcohol Analysis
M2025-2755	1	BCK	Alcohol Analysis
M2025-2769	1	BCK	Alcohol Analysis
M2025-2777	1	BCK	Alcohol Analysis
M2025-2798	1	BCK	Alcohol Analysis
M2025-2799	1	BCK	Alcohol Analysis
M2025-2800	1	BCK	Alcohol Analysis
M2025-2801	1	BCK	Alcohol Analysis
M2025-2810	1	BCK	Alcohol Analysis
M2025-2811	1	BCK	Alcohol Analysis
M2025-2812	1	BCK	Alcohol Analysis
M2025-2838	1	BCK	Alcohol Analysis
M2025-2840	1	BCK	Alcohol Analysis
M2025-2841	1	BCK	Alcohol Analysis
M2025-2846	1	BCK	Alcohol Analysis
M2025-2847	1	BCK	Alcohol Analysis
M2025-2848	1	BCK	Alcohol Analysis

jc

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 7/15/2025 12:05:40 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

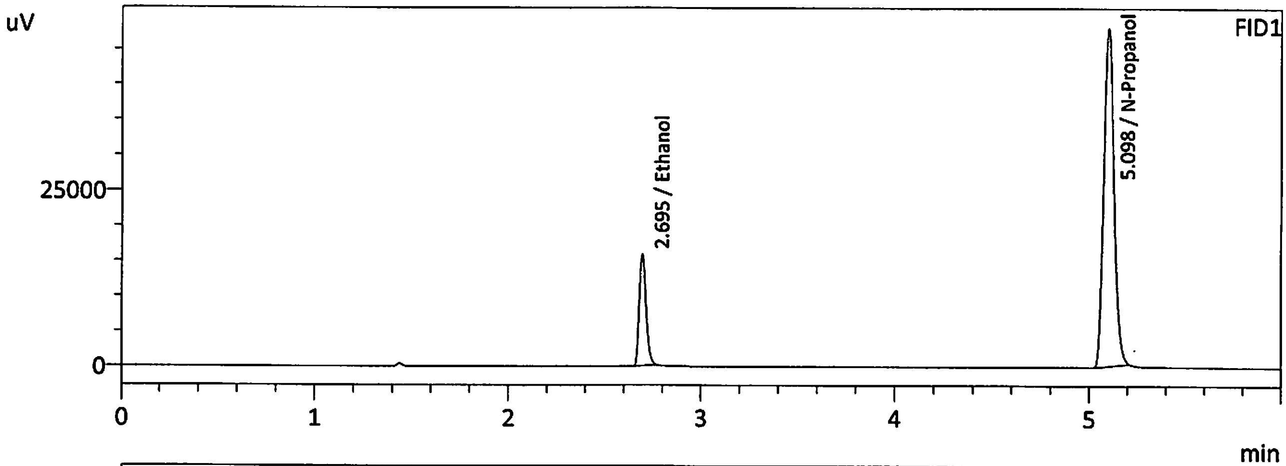
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0474	18358	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183973	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

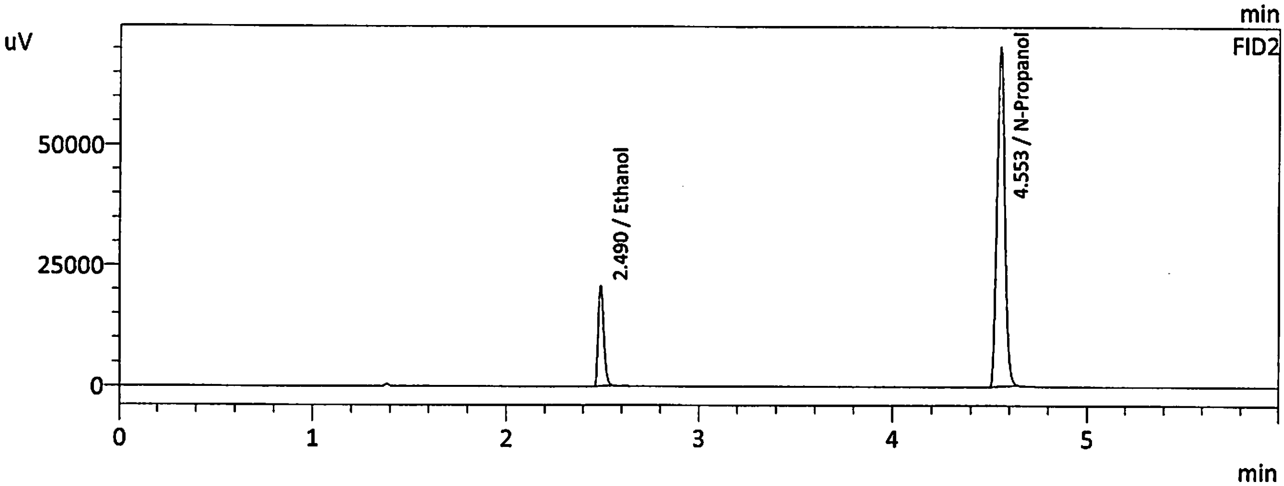
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0477	19465	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195954	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/15/2025 12:18:24 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

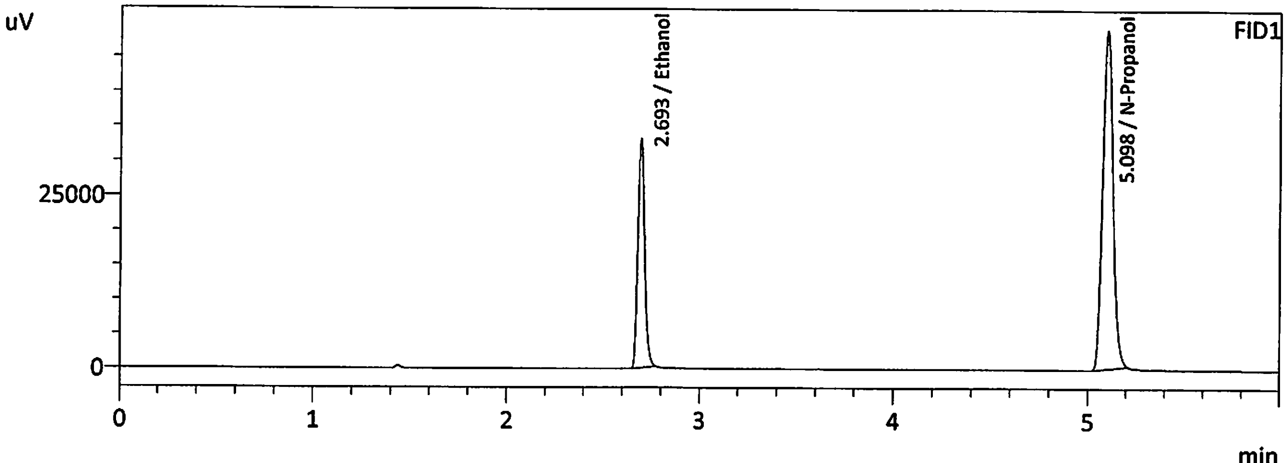
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	38647	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182395	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

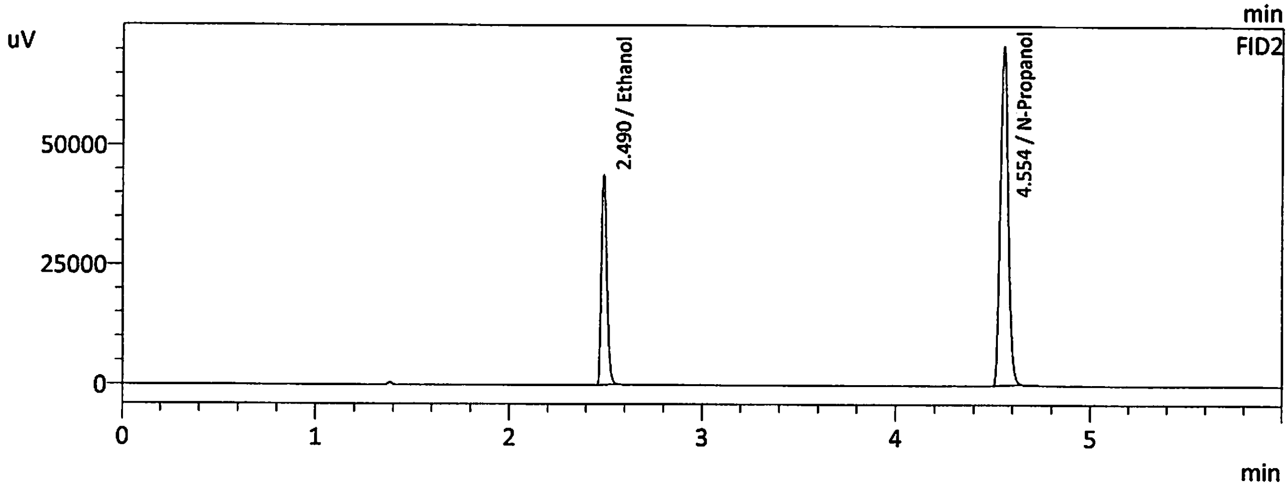
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0990	40918	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194162	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: 0.200
Laboratory	: Meridian
Injection Date	: 7/15/2025 12:30:29 PM
Vial #	: 3
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

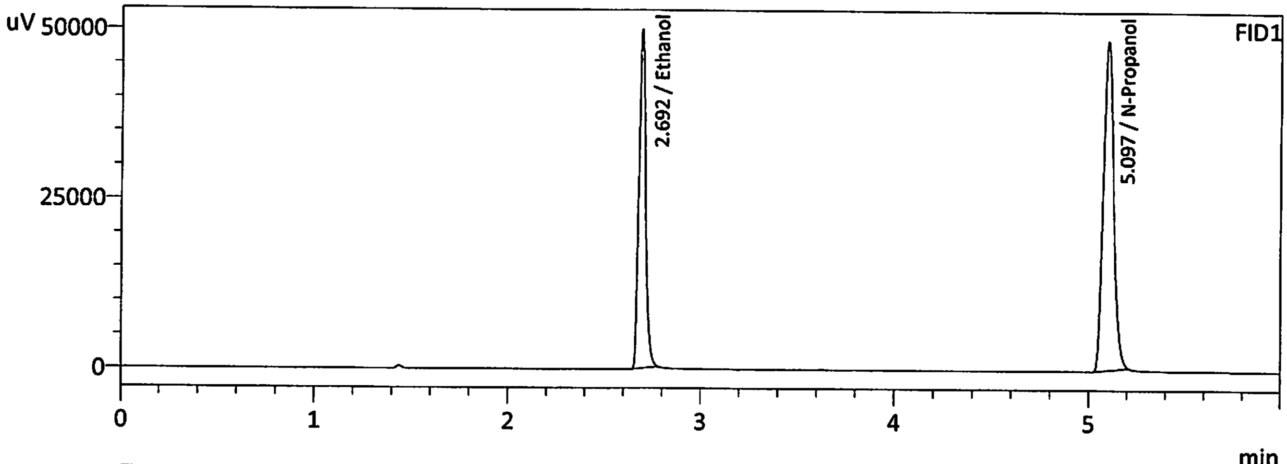
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2019	80546	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185521	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

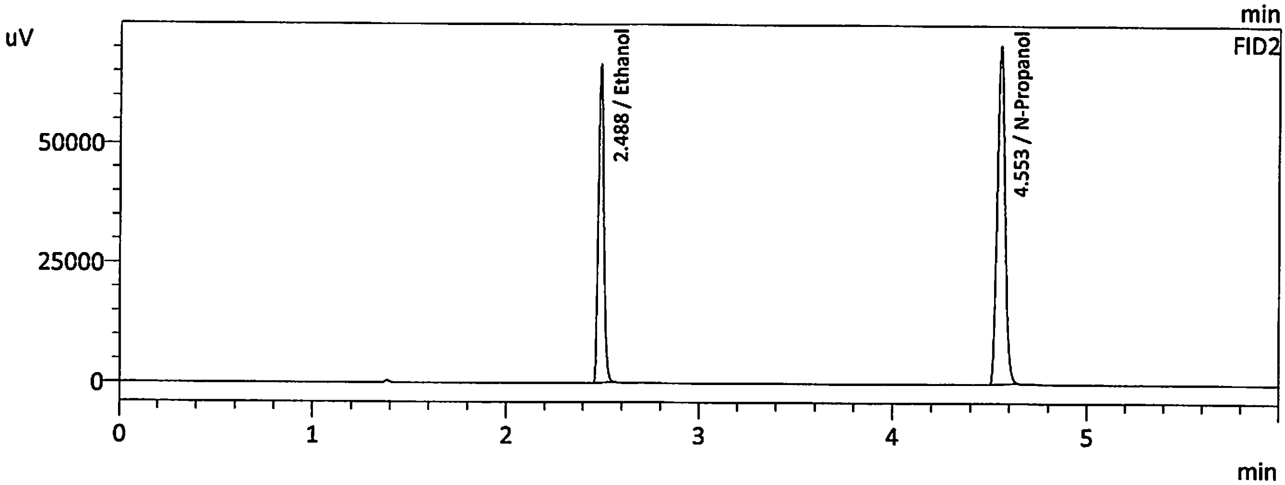
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2019	85756	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197578	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/15/2025 12:43:08 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

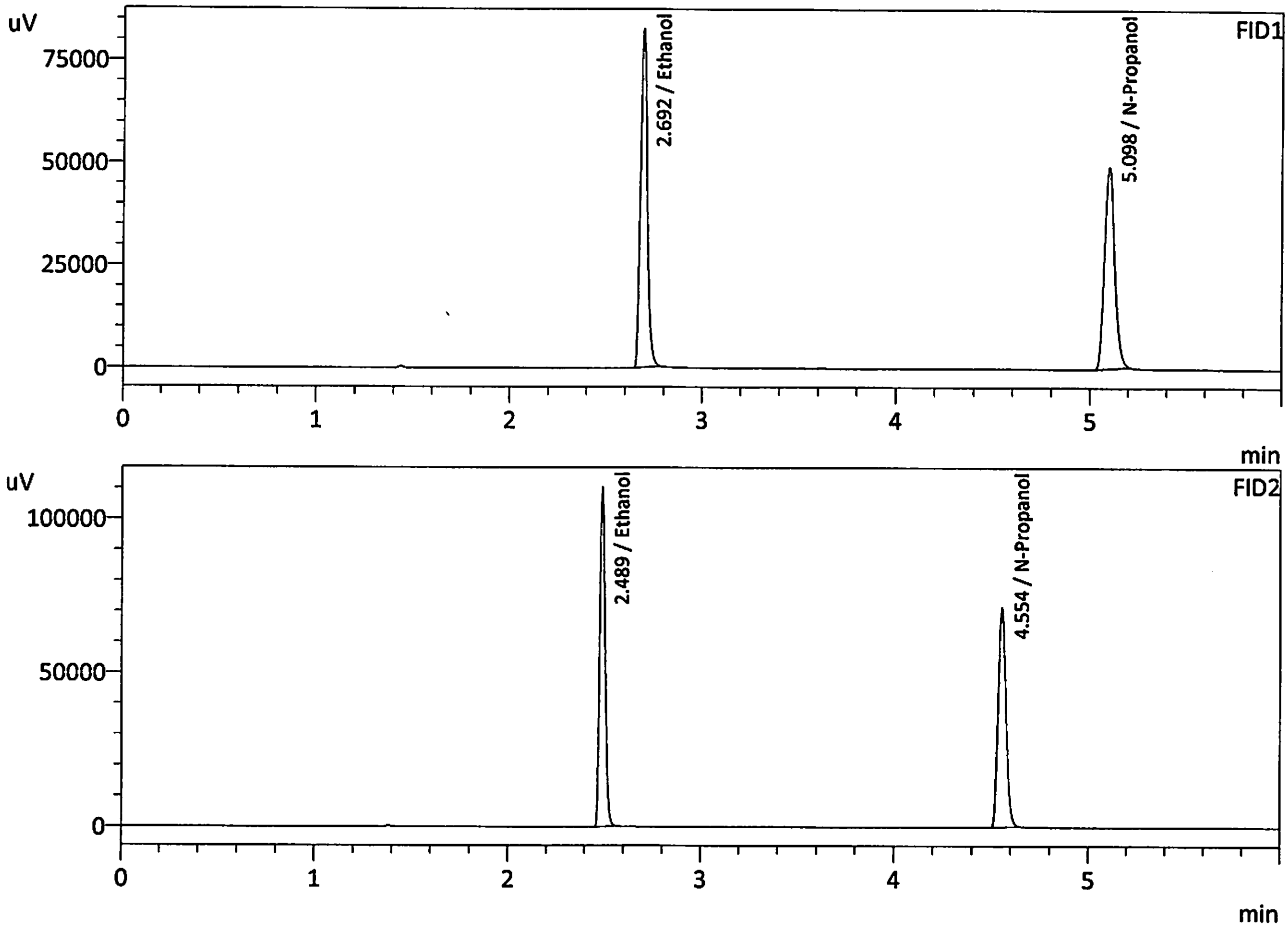
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3042	121094	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184669	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3040	128845	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196557	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: 0.500
Laboratory	: Meridian
Injection Date	: 7/15/2025 12:55:26 PM
Vial #	: 5
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

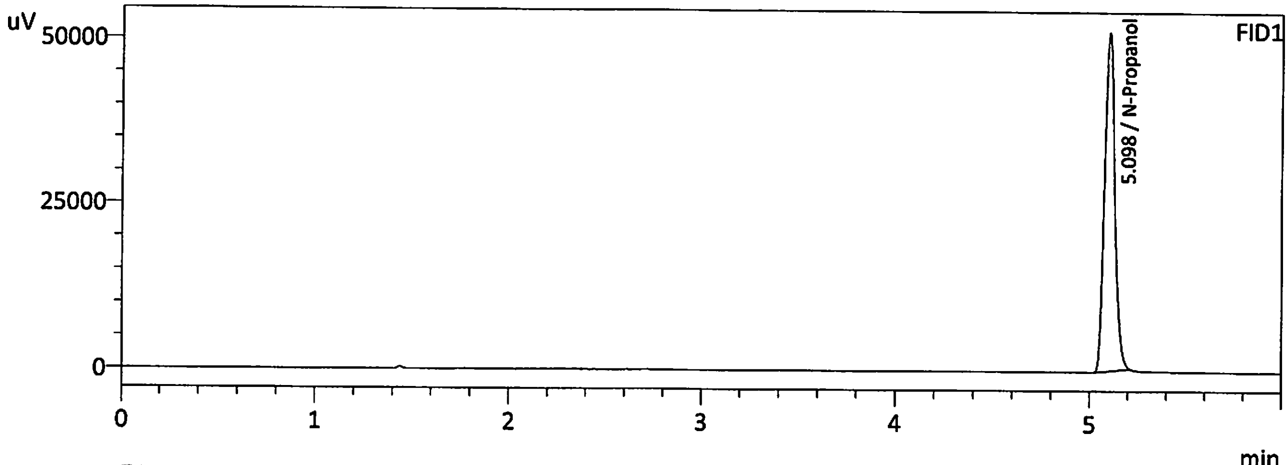
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4970	199782	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186196	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

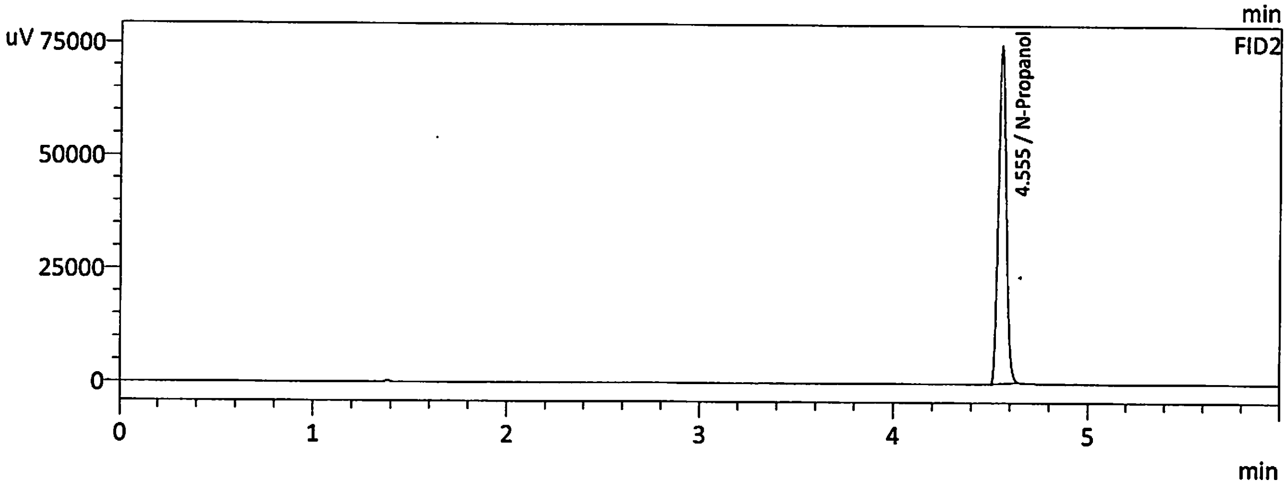
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4971	212897	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198114	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: ISTD BLK
Laboratory	: Meridian
Injection Date	: 7/15/2025 1:07:56 PM
Vial #	: 6
Method Filename	: Default Project - ALCOHOL_250715JG.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	194863	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

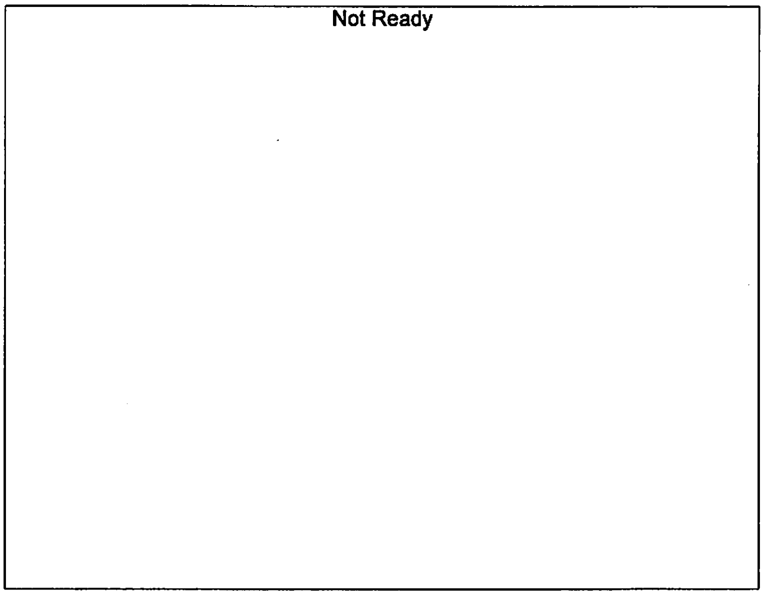
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207419	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

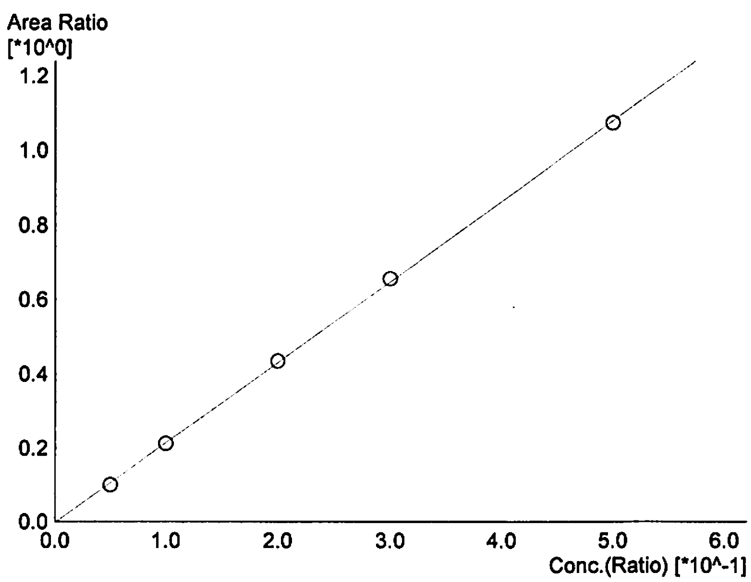
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_250715JG.gcm
Batch File :Default Project - CALCURVE_250715JG2.gcb
Date Acquired :7/15/2025 12:55:26 PM
Date Created :7/15/2025 12:49:11 PM
Date Modified :7/15/2025 1:01:29 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)=2.16462*x-0.00295639
R^2 value= 0.9997037
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18358	0.0474
2	0.100	38647	0.0992
3	0.200	80546	0.2019
4	0.300	121094	0.3042
5	0.500	199782	0.4970

JG

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

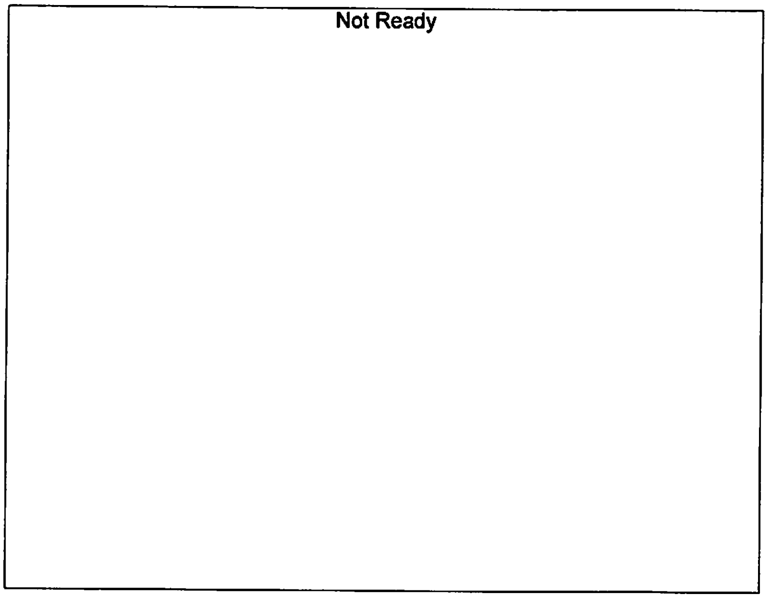
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

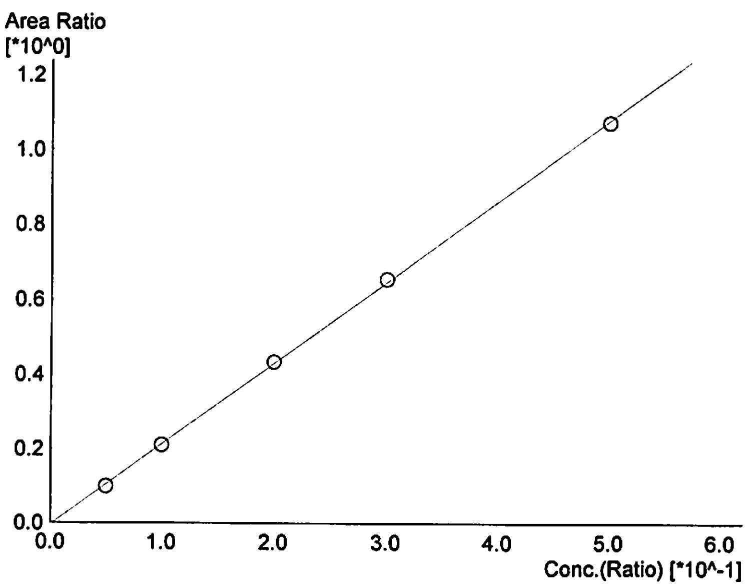
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



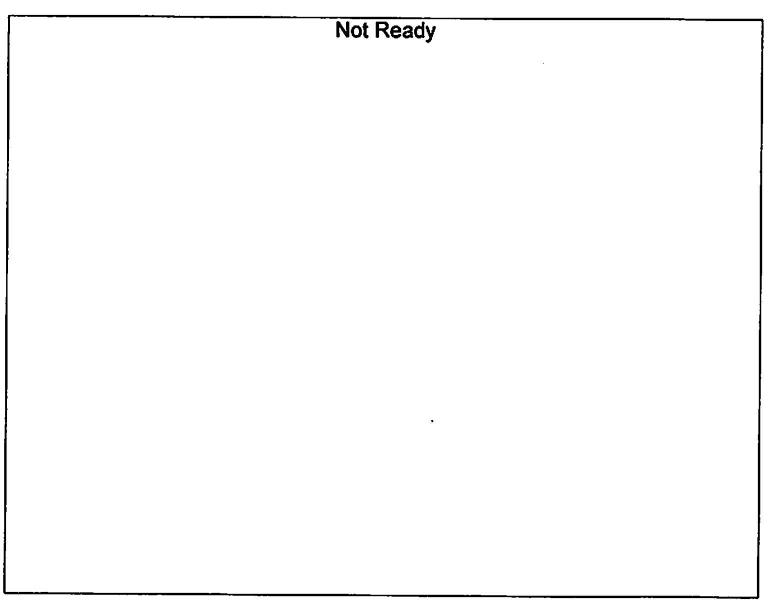
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.16980*x-0.00420558
R^2 value= 0.9997331
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19465	0.0477
2	0.100	40918	0.0990
3	0.200	85756	0.2019
4	0.300	128845	0.3040
5	0.500	212897	0.4971



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.

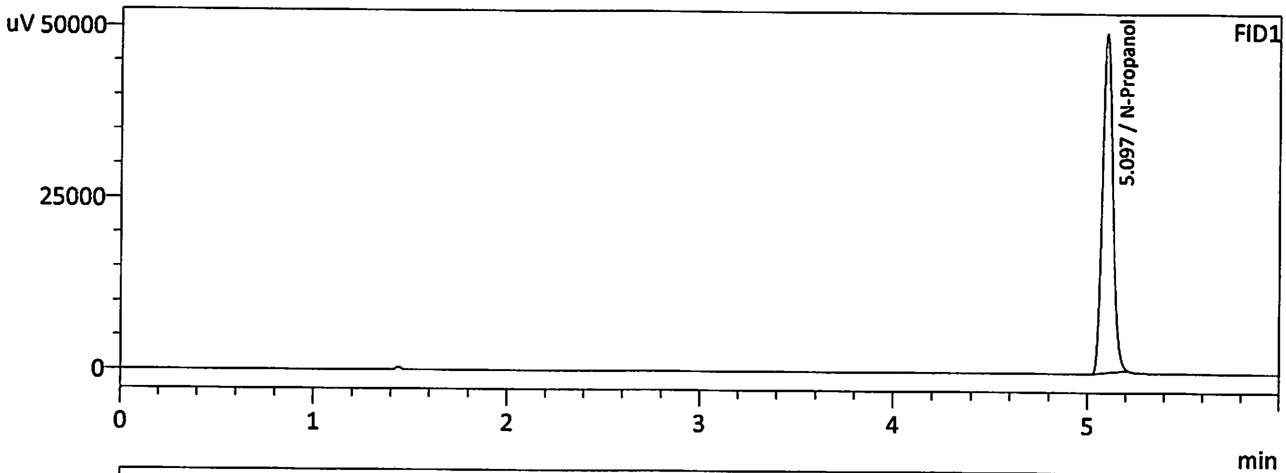
J6

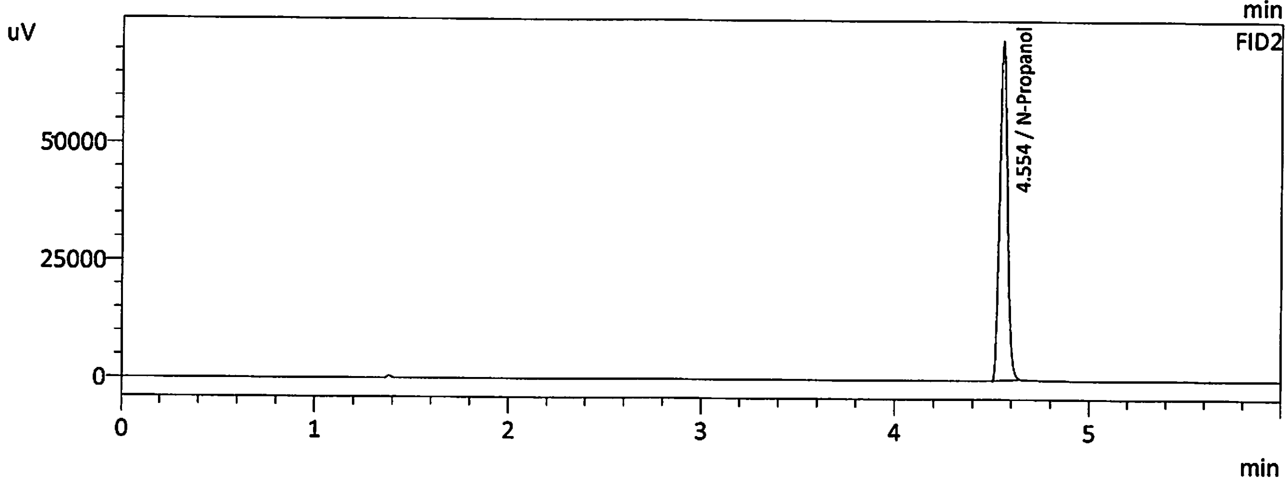
Meridian Blood Alcohol Analysis Batch Table

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 250715JG.gcm
2	0.100	1:Standard	2	ALCOHOL 250715JG.gcm
3	0.200	1:Standard	3	ALCOHOL 250715JG.gcm
4	0.300	1:Standard	4	ALCOHOL 250715JG.gcm
5	0.500	1:Standard	5	ALCOHOL 250715JG.gcm
6	ISTD BLK	0:Unknown	0	ALCOHOL 250715JG.gcm

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 7/15/2025 1:56:23 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

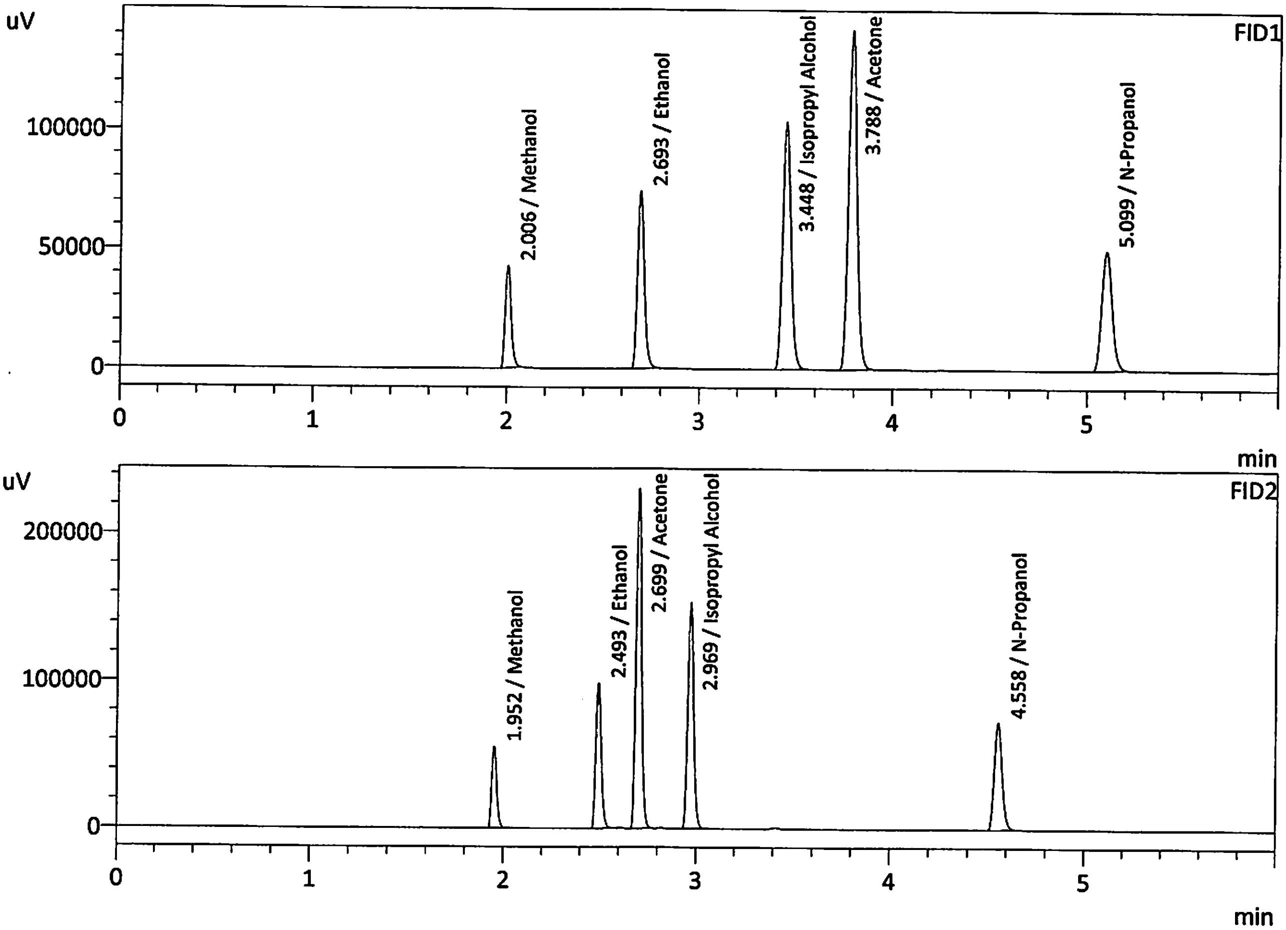
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187554	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200291	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 7/15/2025 2:09:08 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	91112	g/100cc
Ethanol	0.4422	181221	g/100cc
Isopropyl Alcohol	0.0000	307467	g/100cc
Acetone	0.0000	428926	g/100cc
N-Propanol	0.0000	189902	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	99476	g/100cc
Ethanol	0.4425	192572	g/100cc
Acetone	0.0000	456184	g/100cc
Isopropyl Alcohol	0.0000	322824	g/100cc
N-Propanol	0.0000	201412	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s):** 7/15/2025 2:21:17 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0793	0.0796	0.0003	0.0794	0.0005	0.0796
(g/100cc)	0.0797	0.0801	0.0004	0.0799		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250715JG.gcm

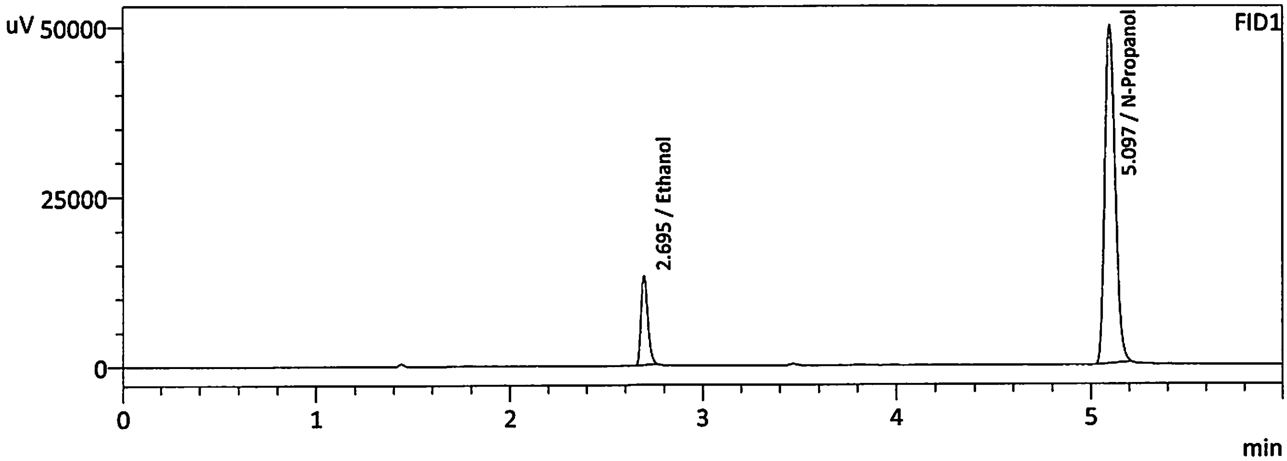
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

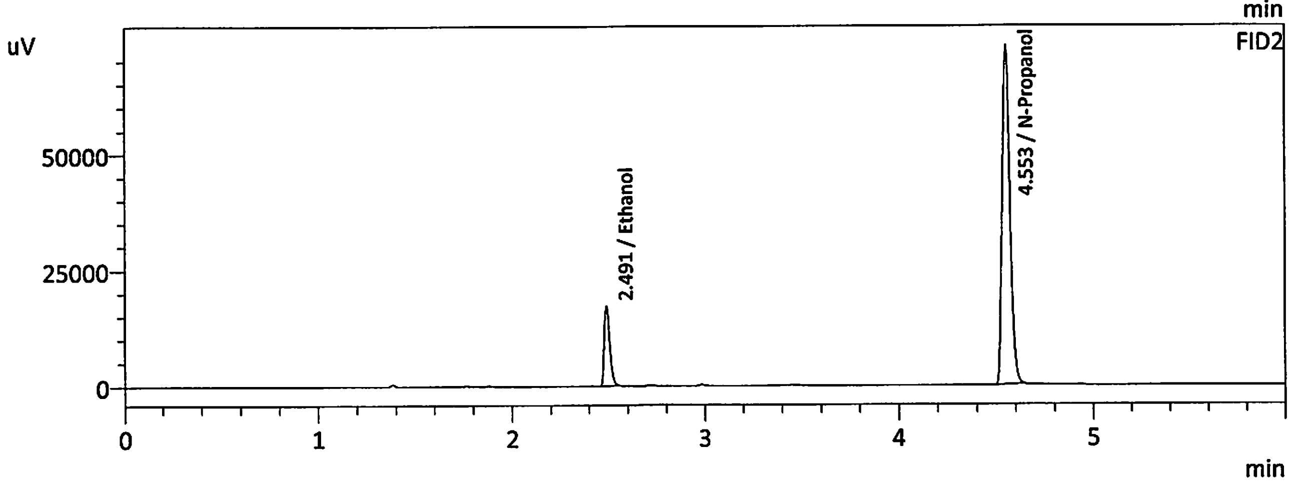
	Reported Results	
	0.079	

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 7/15/2025 2:21:17 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

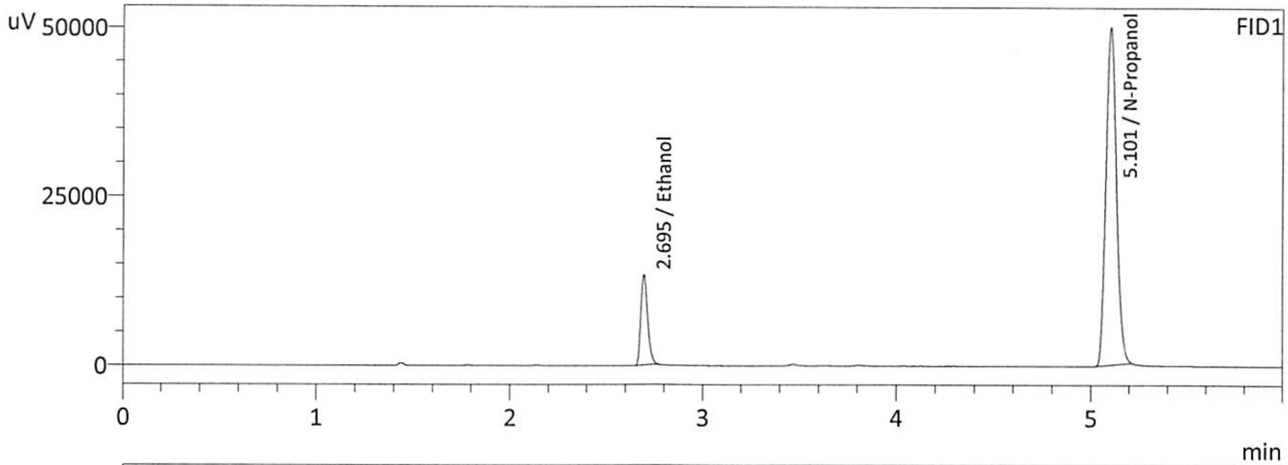
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	31960	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189371	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

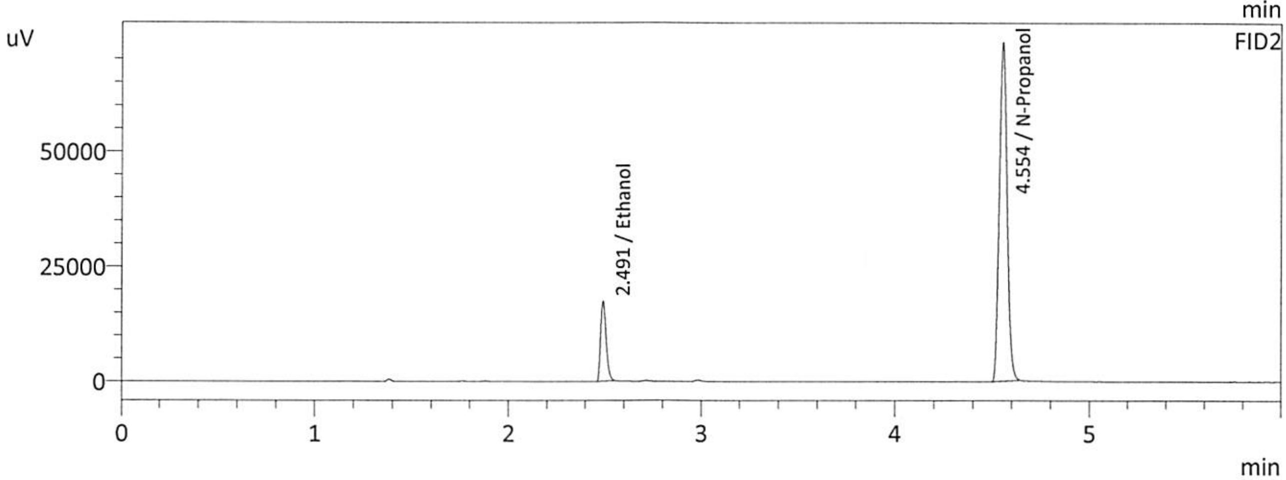
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	34067	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202096	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name	: QC-1-1-B
Laboratory	: Meridian
Injection Date	: 7/15/2025 2:33:34 PM
Vial #	: 4
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	32398	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190921	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	34539	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203536	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 7/15/2025 2:46:01 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0823	0.0004	0.0821	0.0040	0.0801
(g/100cc)	0.0777	0.0785	0.0008	0.0781		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250715JG.gcm

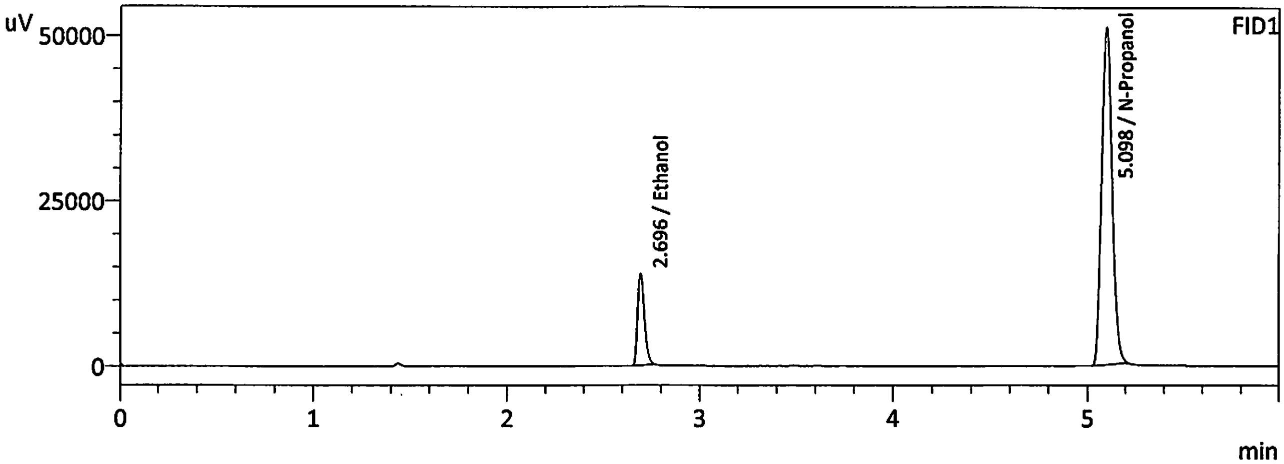
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

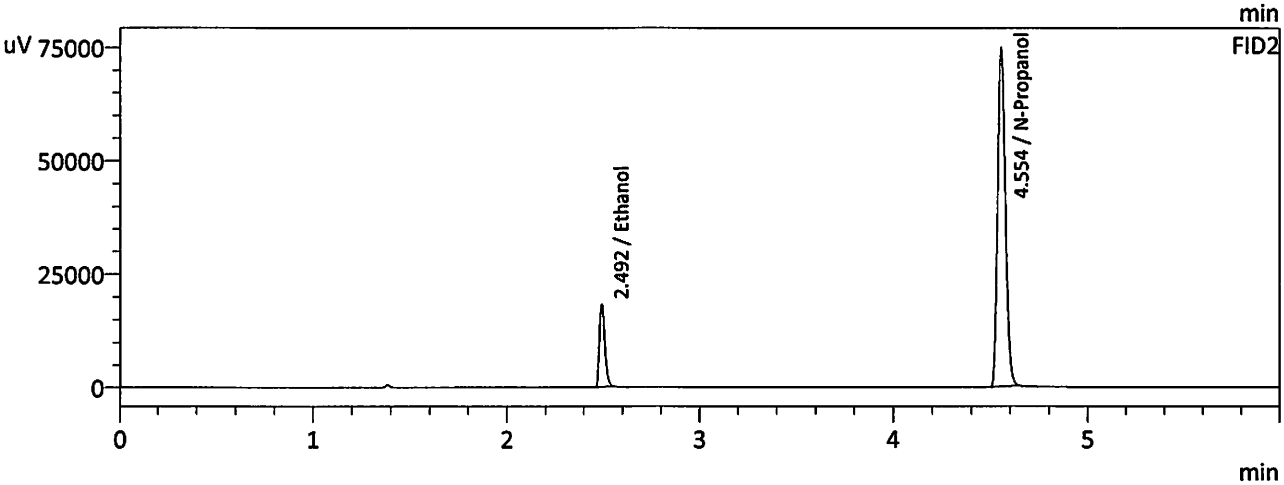
	Reported Results	
	0.080	

Calibration and control data are stored centrally.

36

Sample Name	: 0.08 QA
Laboratory	: Meridian
Injection Date	: 7/15/2025 2:46:01 PM
Vial #	: 5
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

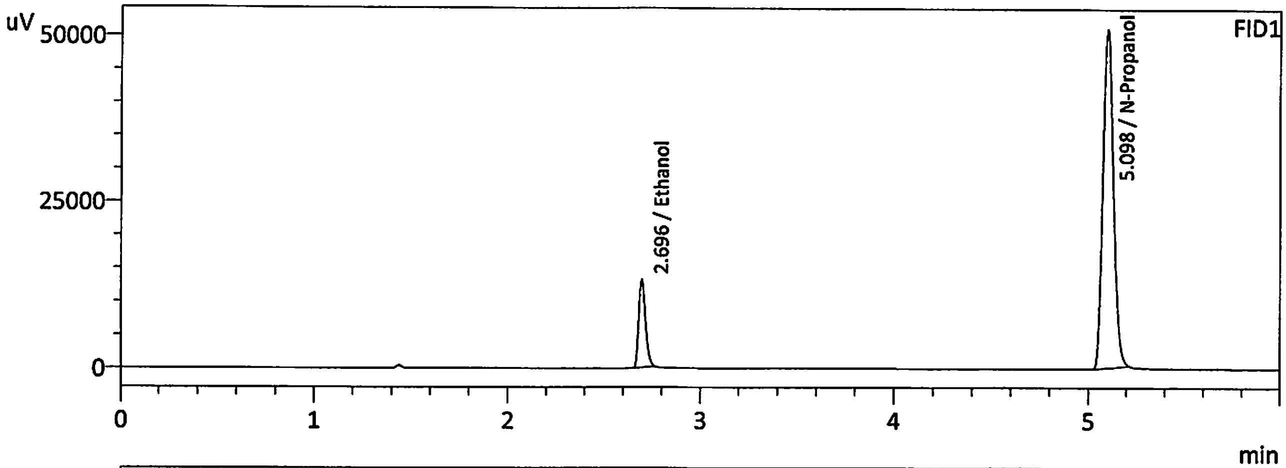
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	33768	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193578	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

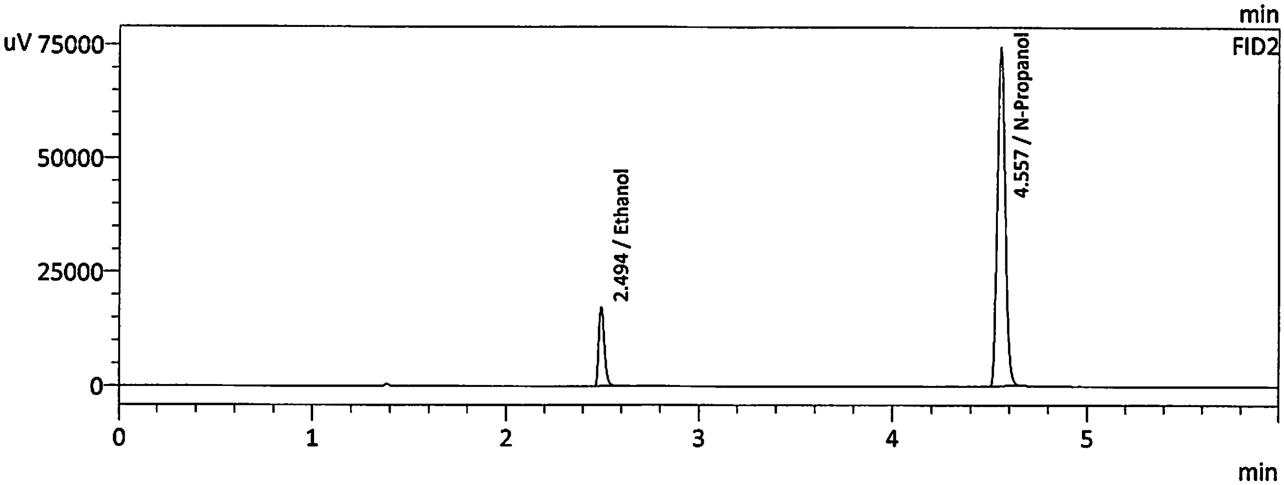
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	35987	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206382	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 7/15/2025 2:58:34 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	32118	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194154	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	34357	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206694	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 7/15/2025 6:52:34 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2039	0.2039	0.0000	0.2039	0.0038	0.2058
(g/100cc)	0.2078	0.2077	0.0001	0.2077		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

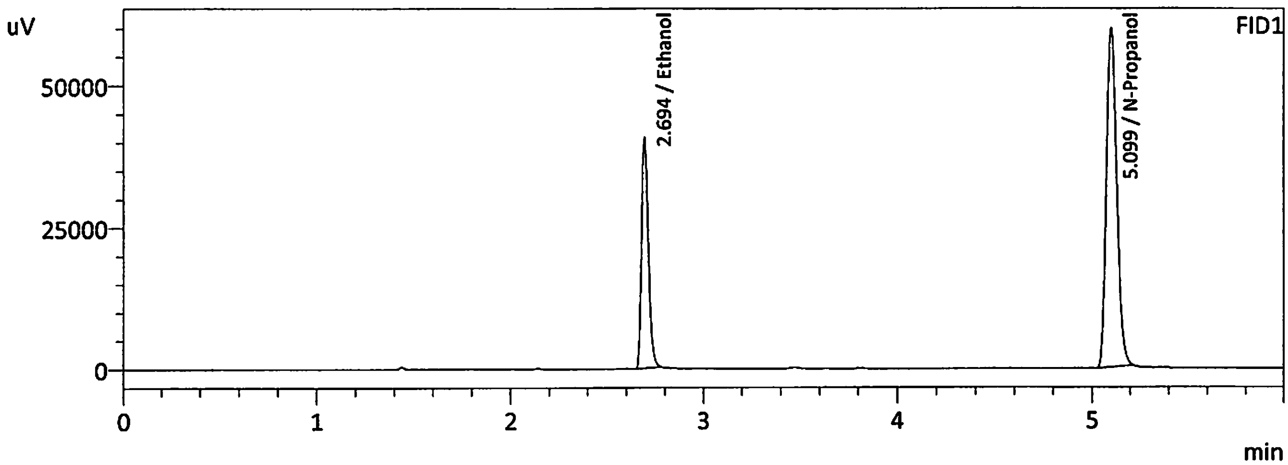
Refer To Instrument Method: ALCOHOL_250715JG.gcm

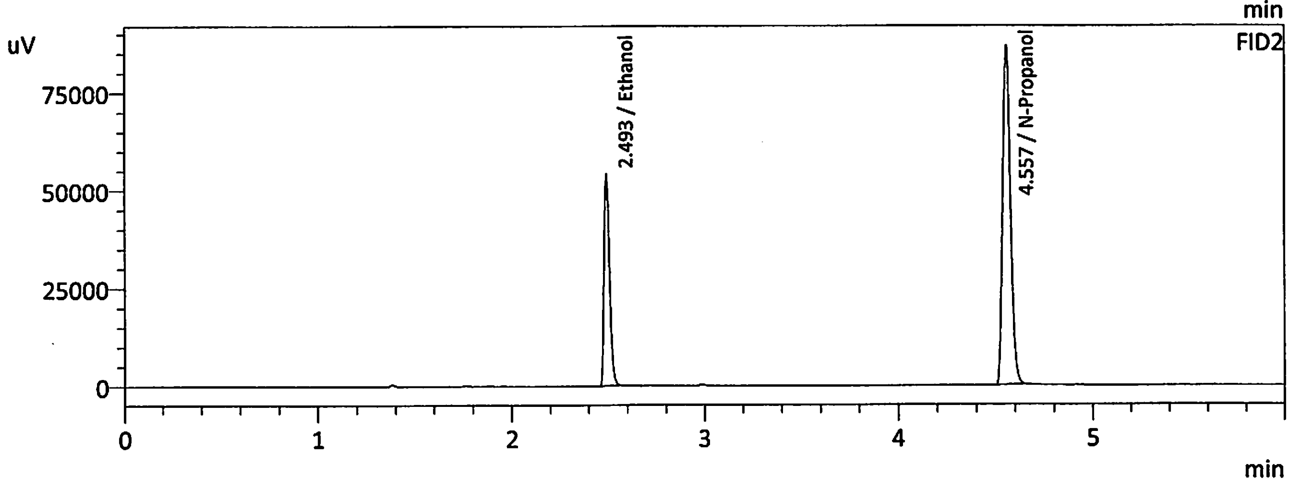
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

Reported Results
0.205

Calibration and control data are stored centrally.

Sample Name	: QC-2-1
Laboratory	: Meridian
Injection Date	: 7/15/2025 6:52:34 PM
Vial #	: 25
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

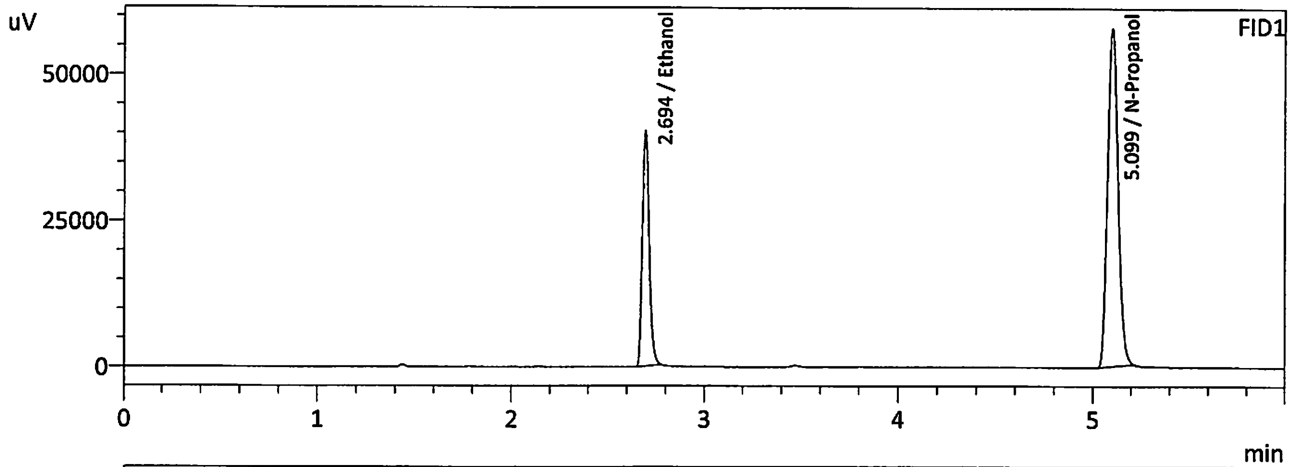
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2039	99444	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226733	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

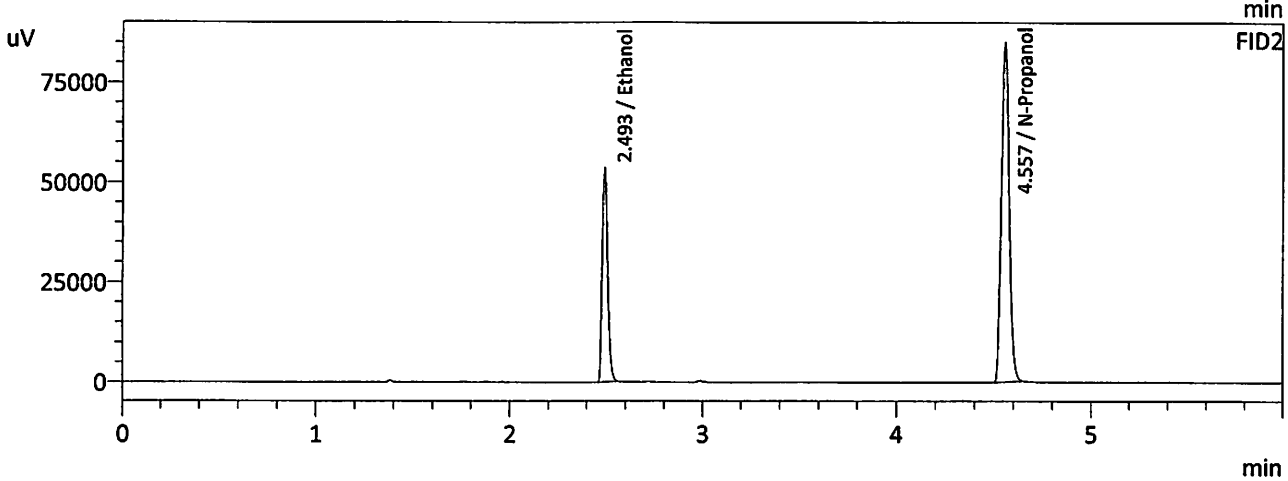
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2039	105933	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241677	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/15/2025 7:04:45 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	98348	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220009	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	104837	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234814	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 7/15/2025 10:59:31 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0827	0.0833	0.0006	0.0830	0.0015	0.0837
(g/100cc)	0.0844	0.0847	0.0003	0.0845		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

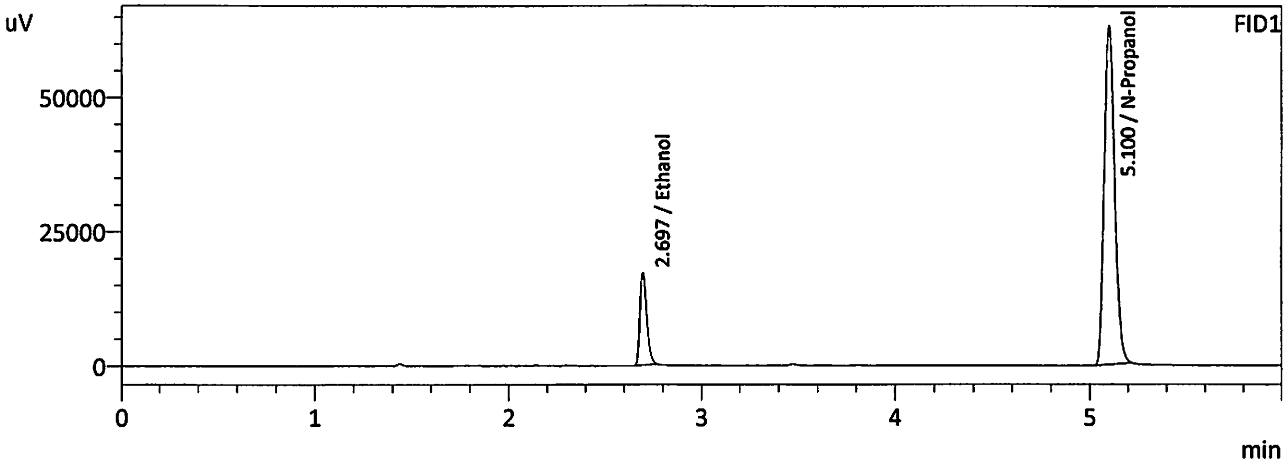
Refer To Instrument Method: ALCOHOL_250715JG.gcm

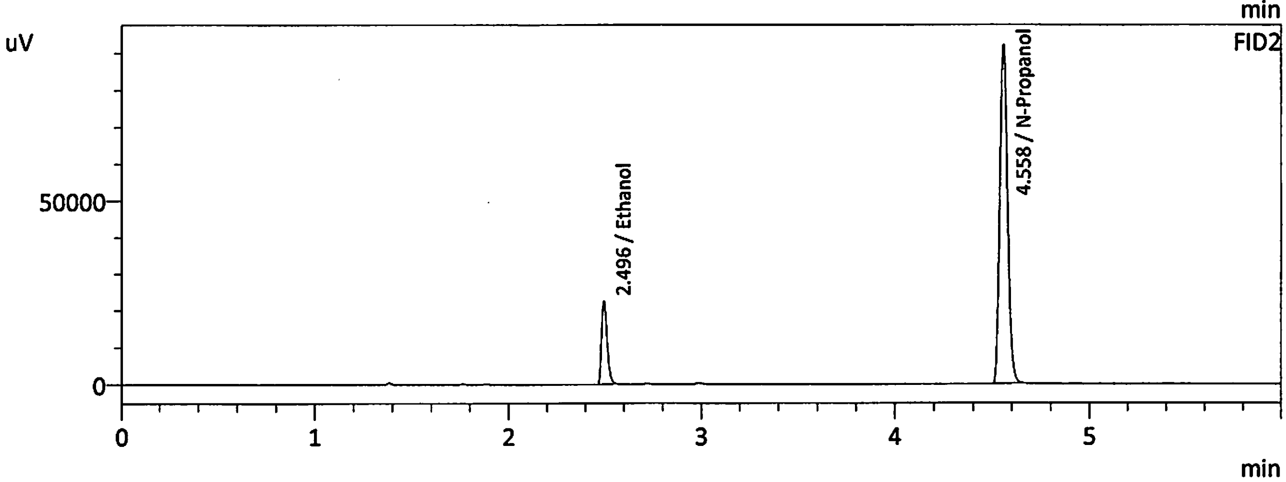
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

	Reported Results	
	0.083	

Calibration and control data are stored centrally.

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 7/15/2025 10:59:31 PM
Vial # : 45
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

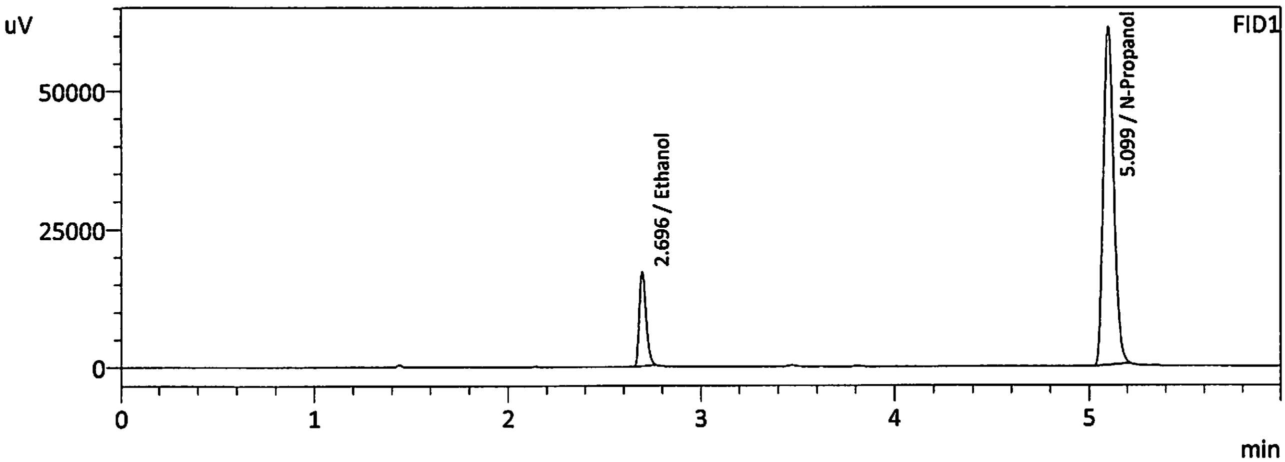
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	42063	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

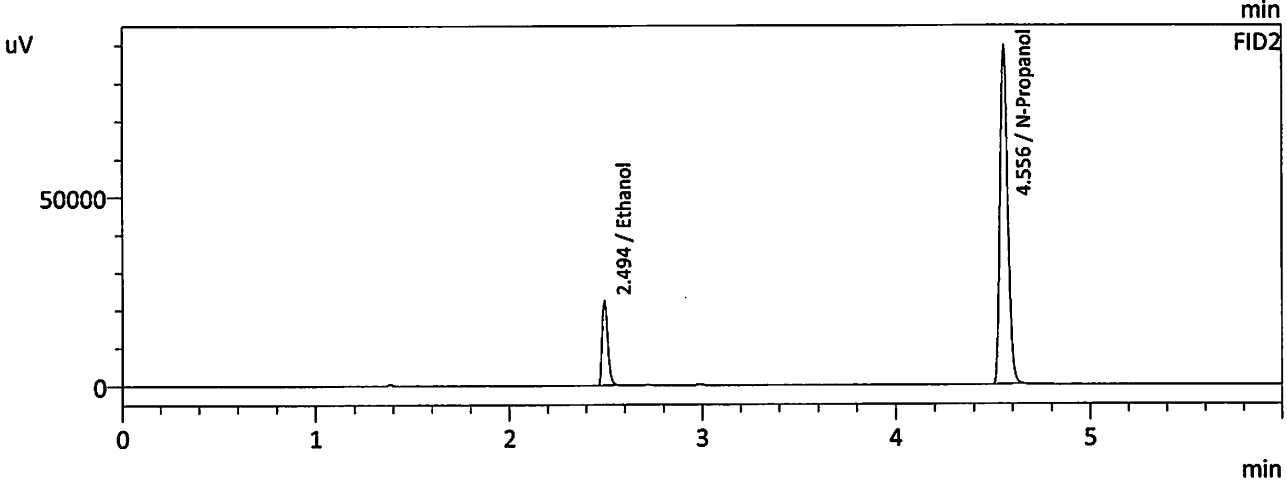
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	44950	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	254560	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 7/15/2025 11:11:56 PM
Vial # : 46
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0844	41716	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232044	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0847	44464	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	247410	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s):** 7/15/2025 11:24:05 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2045	0.2047	0.0002	0.2046	0.0082	0.2087
(g/100cc)	0.2127	0.2130	0.0003	0.2128		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_250715JG.gcm

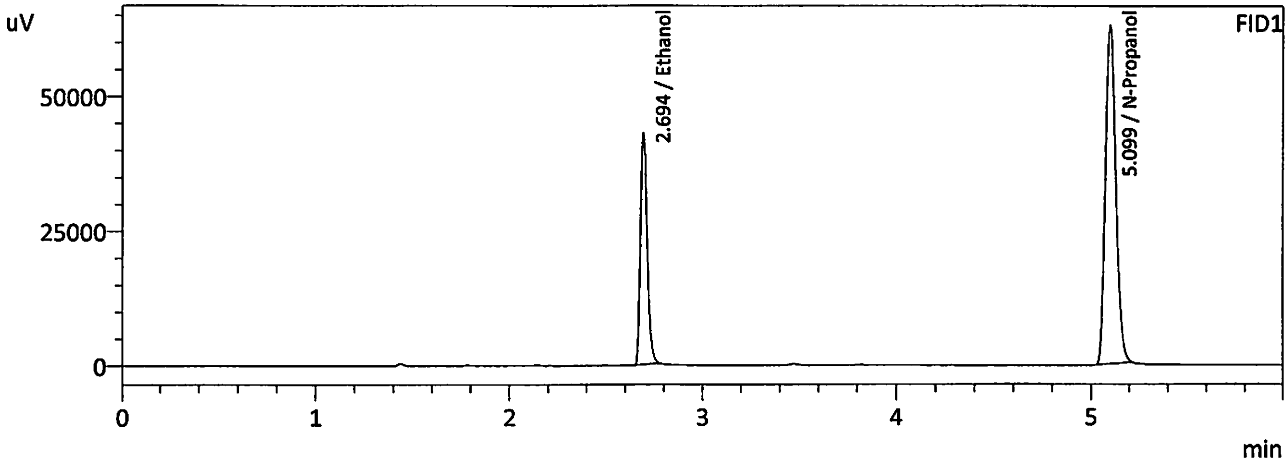
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

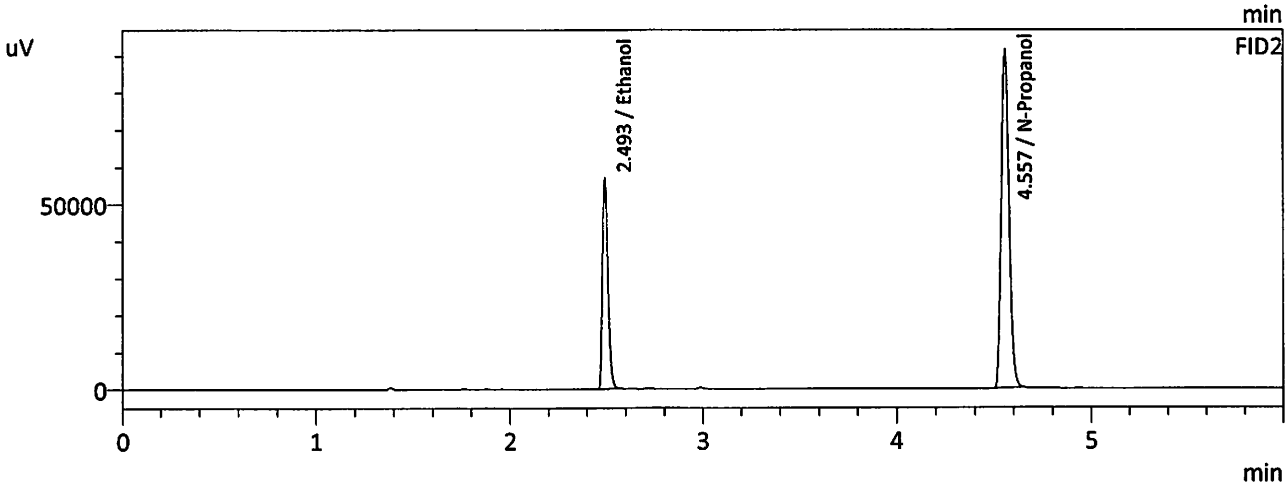
	Reported Results	
	0.208	

Calibration and control data are stored centrally.

JC

Sample Name	: QC-2-2
Laboratory	: Meridian
Injection Date	: 7/15/2025 11:24:05 PM
Vial #	: 47
Method Filename	: Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

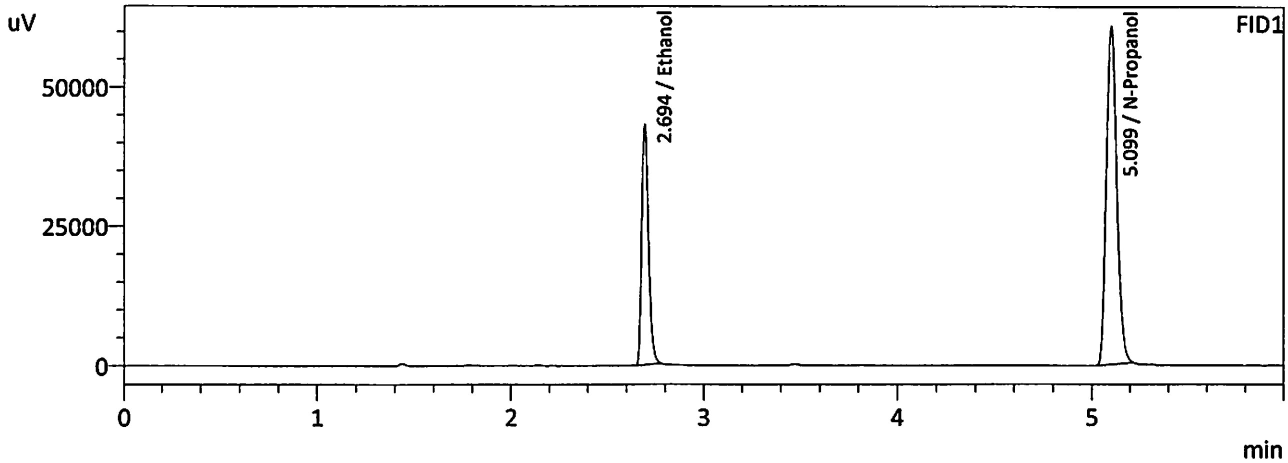
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2045	104712	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	238041	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

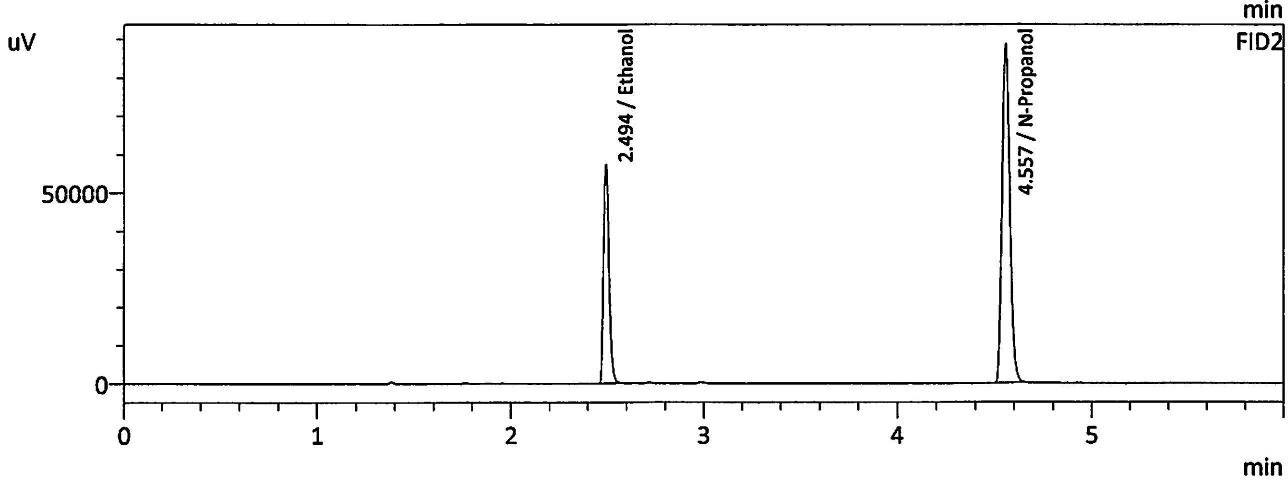
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2047	111786	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	253979	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 7/15/2025 11:36:19 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_250715JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

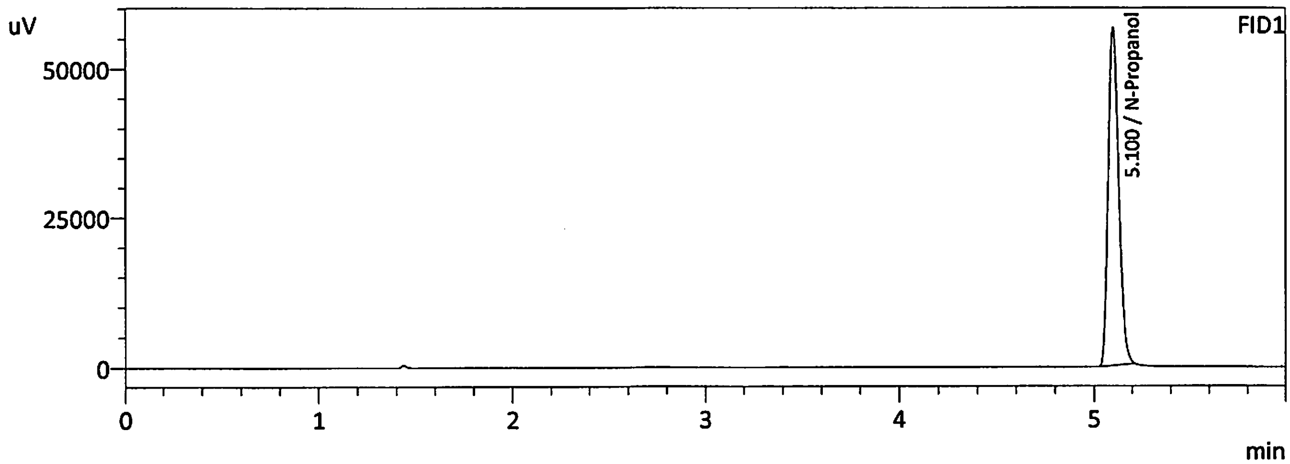
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2127	105102	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229733	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

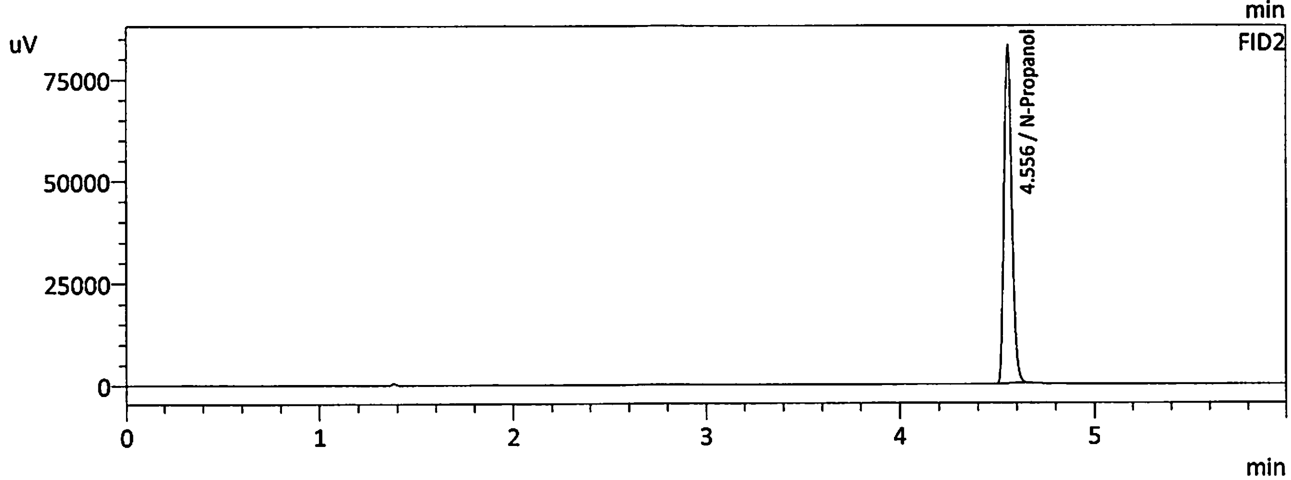
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2130	112299	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245121	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 7/15/2025 11:48:51 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_250715JG.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	215247	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	229928	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

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 250715JG.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 250715JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 250715JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 250715JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 250715JG.gcm
7	M2025-2725-1	0:Unknown	0	ALCOHOL 250715JG.gcm
8	M2025-2725-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
9	M2025-2726-1	0:Unknown	0	ALCOHOL 250715JG.gcm
10	M2025-2726-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
11	M2025-2755-1	0:Unknown	0	ALCOHOL 250715JG.gcm
12	M2025-2755-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
13	M2025-2769-1	0:Unknown	0	ALCOHOL 250715JG.gcm
14	M2025-2769-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
15	M2025-2777-1	0:Unknown	0	ALCOHOL 250715JG.gcm
16	M2025-2777-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
17	M2025-2798-1	0:Unknown	0	ALCOHOL 250715JG.gcm
18	M2025-2798-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
19	M2025-2799-1	0:Unknown	0	ALCOHOL 250715JG.gcm
20	M2025-2799-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
21	M2025-2800-1	0:Unknown	0	ALCOHOL 250715JG.gcm
22	M2025-2800-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
23	M2025-2801-1	0:Unknown	0	ALCOHOL 250715JG.gcm
24	M2025-2801-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 250715JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
27	M2025-2810-1	0:Unknown	0	ALCOHOL 250715JG.gcm
28	M2025-2810-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
29	M2025-2811-1	0:Unknown	0	ALCOHOL 250715JG.gcm
30	M2025-2811-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
31	M2025-2812-1	0:Unknown	0	ALCOHOL 250715JG.gcm
32	M2025-2812-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
33	M2025-2838-1	0:Unknown	0	ALCOHOL 250715JG.gcm
34	M2025-2838-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
35	M2025-2840-1	0:Unknown	0	ALCOHOL 250715JG.gcm
36	M2025-2840-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
37	M2025-2841-1	0:Unknown	0	ALCOHOL 250715JG.gcm
38	M2025-2841-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
39	M2025-2846-1	0:Unknown	0	ALCOHOL 250715JG.gcm
40	M2025-2846-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
41	M2025-2847-1	0:Unknown	0	ALCOHOL 250715JG.gcm
42	M2025-2847-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
43	M2025-2848-1	0:Unknown	0	ALCOHOL 250715JG.gcm
44	M2025-2848-1-B	0:Unknown	0	ALCOHOL 250715JG.gcm
45	QC-1-2	0:Unknown	0	ALCOHOL 250715JG.gcm
46	QC-1-2-B	0:Unknown	0	ALCOHOL 250715JG.gcm
47	QC-2-2	0:Unknown	0	ALCOHOL 250715JG.gcm
48	QC-2-2-B	0:Unknown	0	ALCOHOL 250715JG.gcm
49	ISTD BLK 2	0:Unknown	0	ALCOHOL 250715JG.gcm