

*MB*

**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):**

3/21/25

*Calibration Date: (if different) 3/21/25*

**Worklist #:**

7088

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0796 g/100cc
					0.0817 g/100cc
Level 2	May-27	2302120	0.2054	0.1849-0.2259	0.2025 g/100cc
					0.2014 g/100cc
Multi-Component mixture:		Exp: May 2028	Lot # FN05302307		
Curve Fit:		Column 1	0.99998	Column 2	0.99998

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0496	0.0496	0	0.0496
100	0.100	0.090 - 0.110	0.1001	0.1001	0	0.1001
200	0.200	0.180 - 0.220	0.1996	0.1995	1E-04	0.1995
300	0.300	0.270 - 0.330	0.3009	0.3011	0.0002	0.301
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4995	0.4994	1E-04	0.4994

**Aqueous Controls**

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

*JS*

### Internal Standard Monitoring Worksheet

Worksheet #: **7088** Run Date(s): **3/21/25**

Internal Standard Solution:	Prep Date:	2/7/2025	Exp Date:	8/7/2025
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Sample Name	Column 1 Value	Column 2 Value
0.080	177150	184852
0.080	177585	184924
QC1	180822	189133
QC1	182985	191202
QC1	217930	227199
QC1	216690	225477
QC1		
QC1		
QC2	222389	231768
QC2	213738	222905
QC2	221260	229879
QC2	209211	217625
QC2		
QC2		

	Average	(-)20%	(+ )20%
Column 1	201976.0	161580.8	242371.2
Column 2	210496.4	168397.1	252595.7

JK

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Samples were originally extracted 3/18/25. This data was discarded due to failed controls. Samples were re-extracted on 3/19/25 and this data was also discarded due to failed controls. Samples were extracted for a third and final time 3/21/25 and all controls successfully passed.

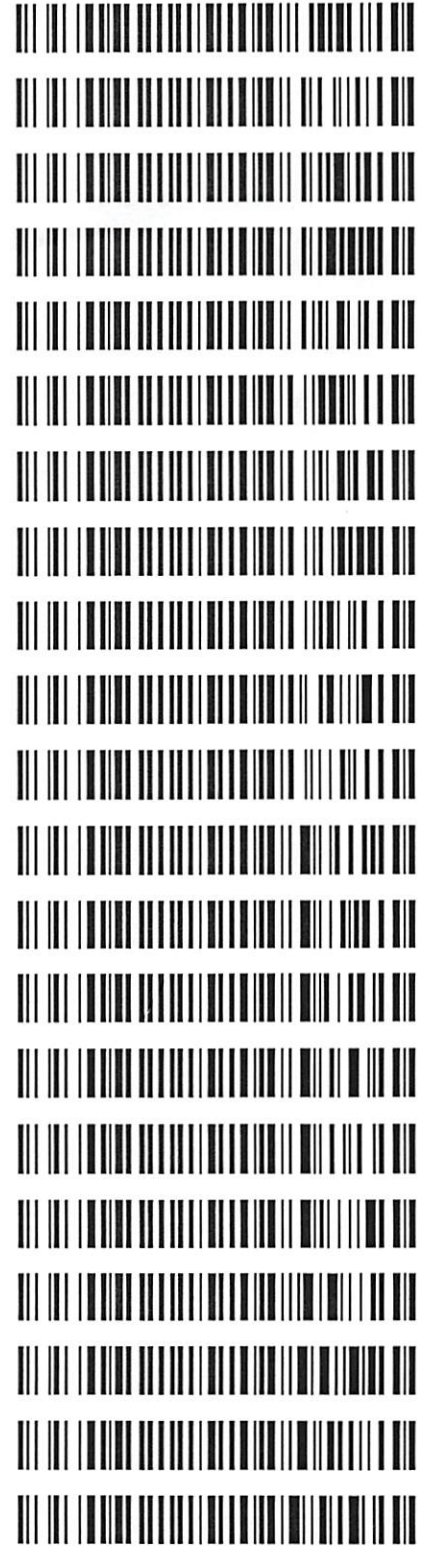
John Garner

3/24/25

A handwritten signature in blue ink, followed by the date "3/24/25" written in blue ink.

**Worklist: 7088**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2025-0841	1	BCK	Alcohol Analysis
M2025-0944	1	BCK	Alcohol Analysis
M2025-0951	1	BCK	Alcohol Analysis
M2025-0952	1	BCK	Alcohol Analysis
M2025-0957	2	BCK	Alcohol Analysis
M2025-0977	1	BCK	Alcohol Analysis
M2025-0978	1	BCK	Alcohol Analysis
M2025-0979	1	BCK	Alcohol Analysis
M2025-0980	1	BCK	Alcohol Analysis
M2025-0992	2	BCK	Alcohol Analysis
M2025-1007	1	BCK	Alcohol Analysis
M2025-1010	1	BCK	Alcohol Analysis
M2025-1011	1	BCK	Alcohol Analysis
M2025-1012	1	BCK	Alcohol Analysis
M2025-1013	1	BCK	Alcohol Analysis
M2025-1014	1	BCK	Alcohol Analysis
M2025-1015	1	BCK	Alcohol Analysis
M2025-1045	1	BCK	Alcohol Analysis
M2025-1049	1	BCK	Alcohol Analysis
M2025-1050	1	BCK	Alcohol Analysis
M2025-1070	1	BCK	Alcohol Analysis



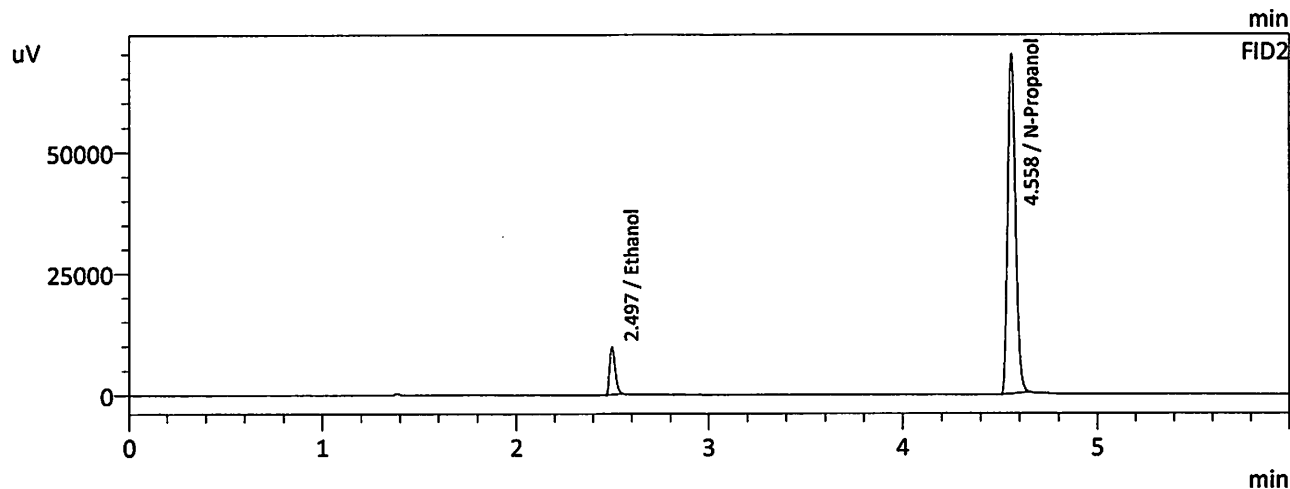
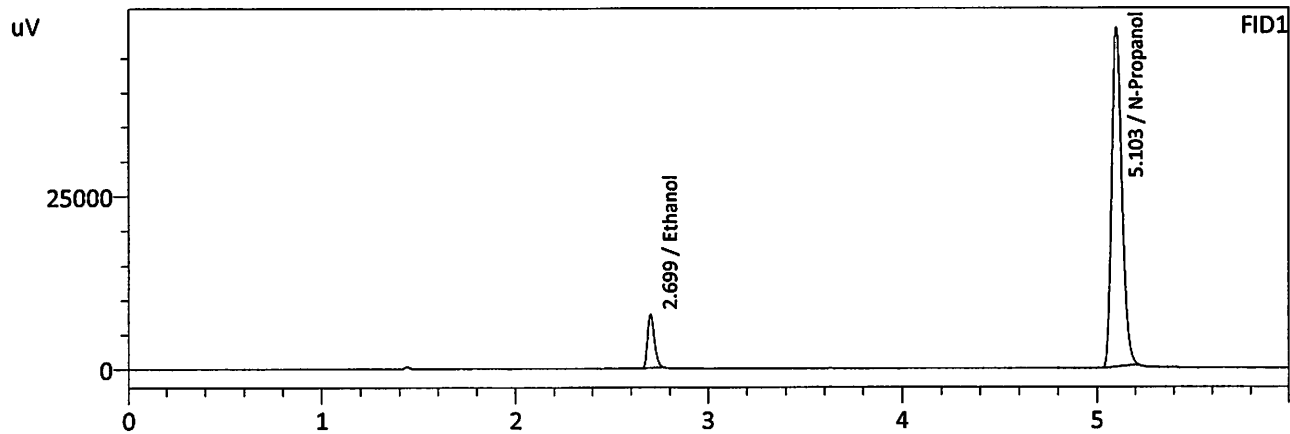
*JL*

**Worklist: 7088**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2025-1088	1	BCK	Alcohol Analysis
M2025-1089	1	BCK	Alcohol Analysis



Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 2:12:17 PM  
 Vial # : 7  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

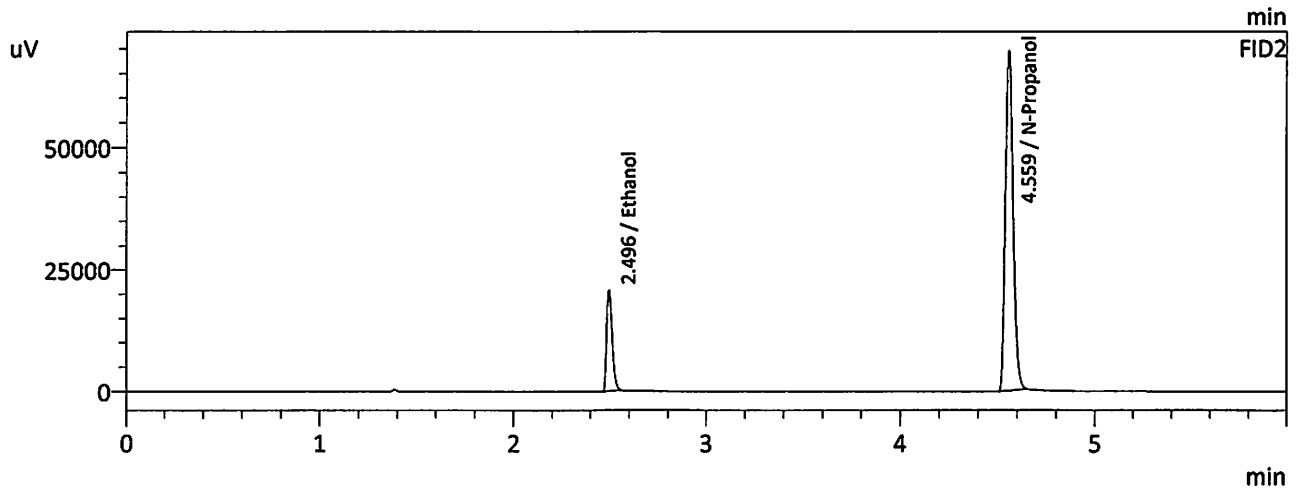
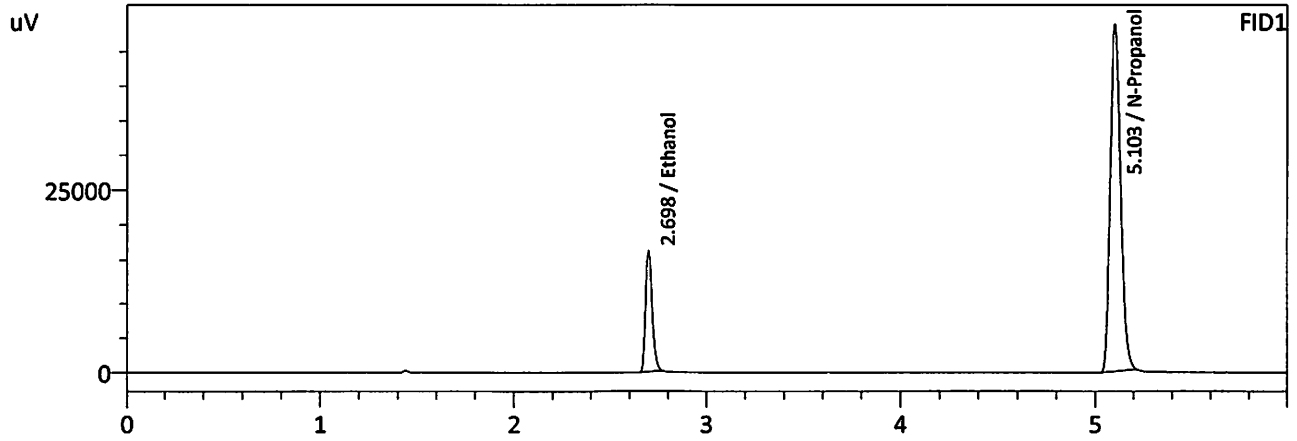
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0496	18891	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185520	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0496	19389	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	193009	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 2:24:29 PM  
 Vial # : 8  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

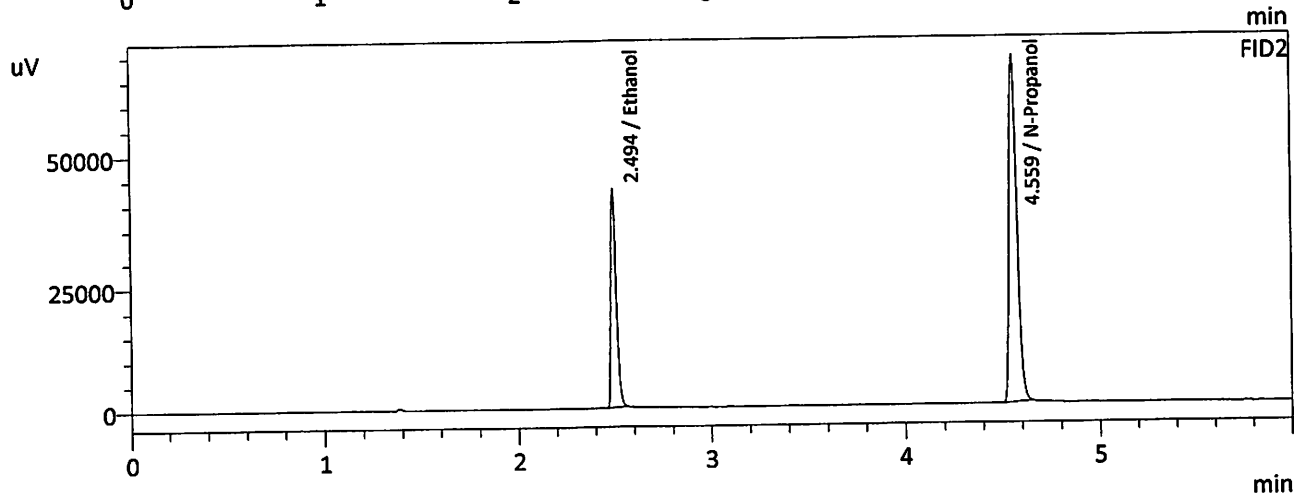
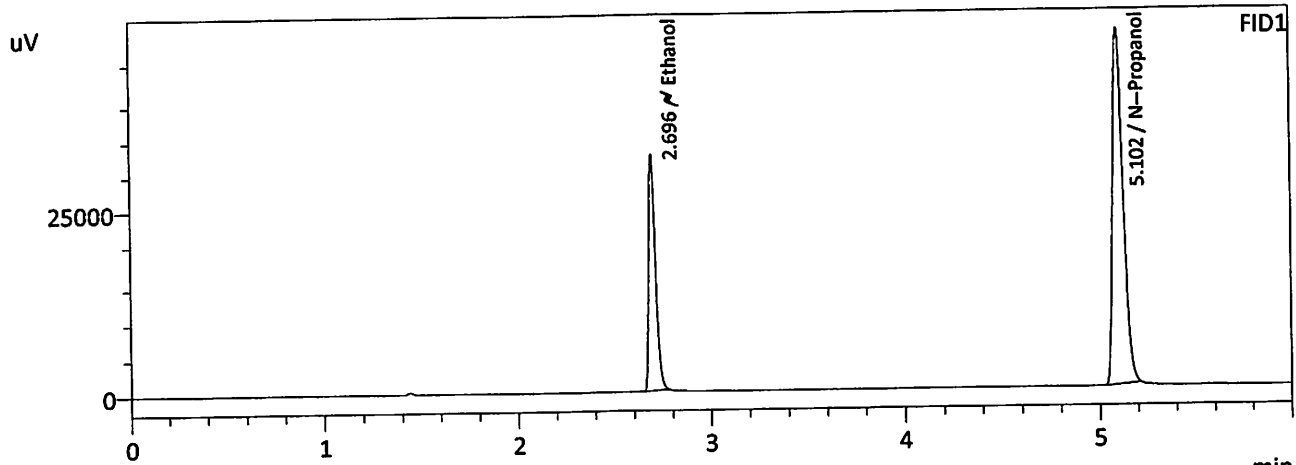
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	39324	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184360	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	41162	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191651	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Jc

Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 2:36:35 PM  
 Vial # : 9  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

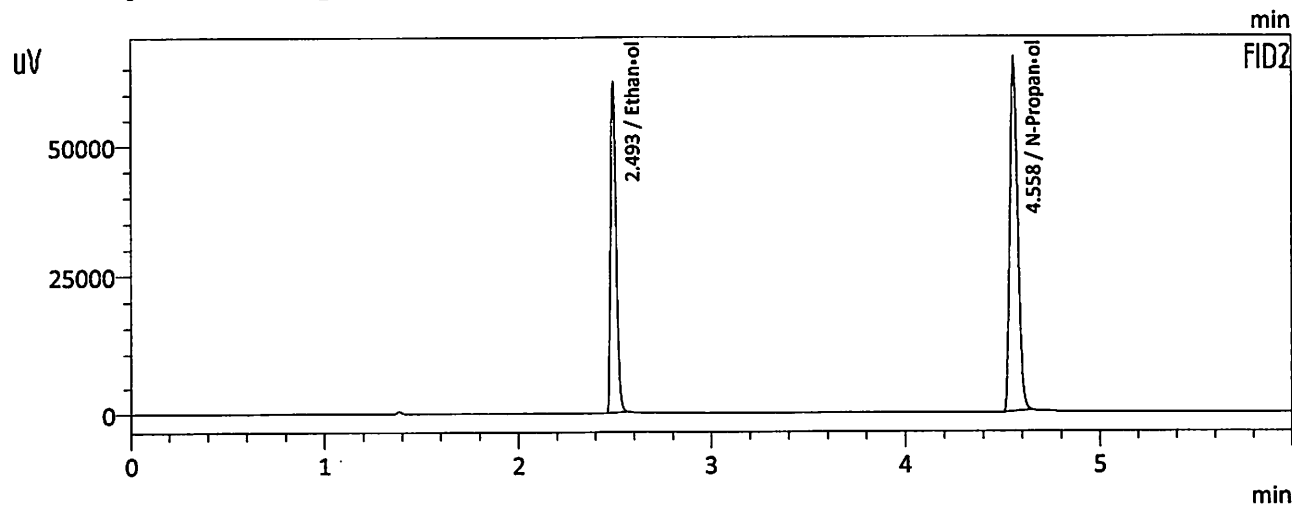
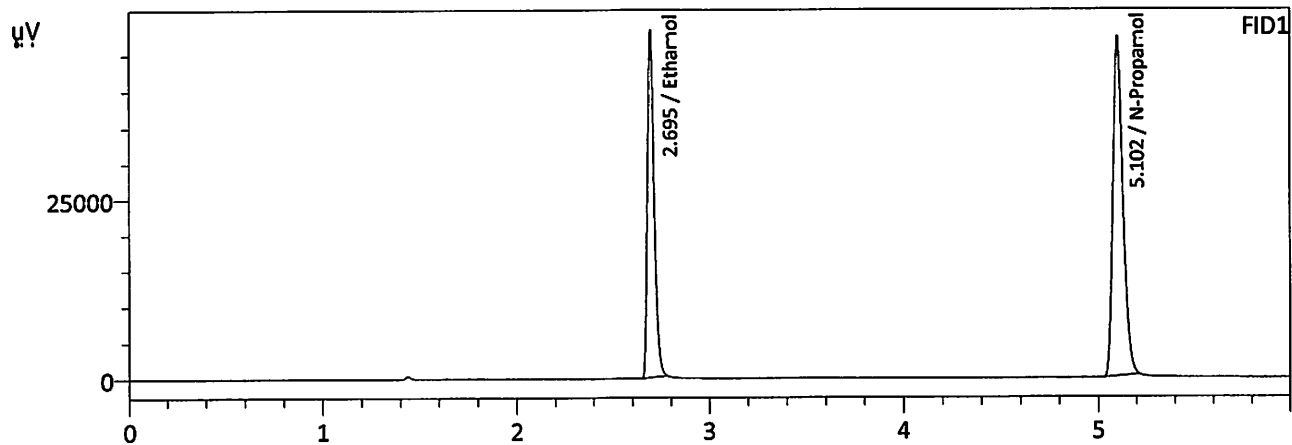
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1996	79347	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183211	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1995	83588	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190260	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 2:49:16 PM  
 Vial # : 10  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



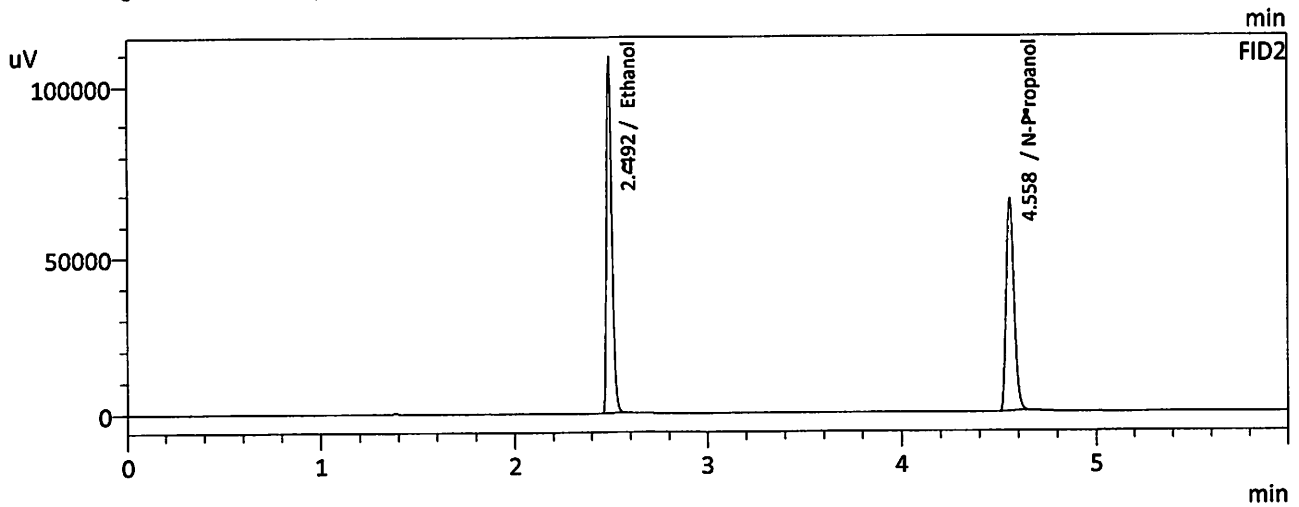
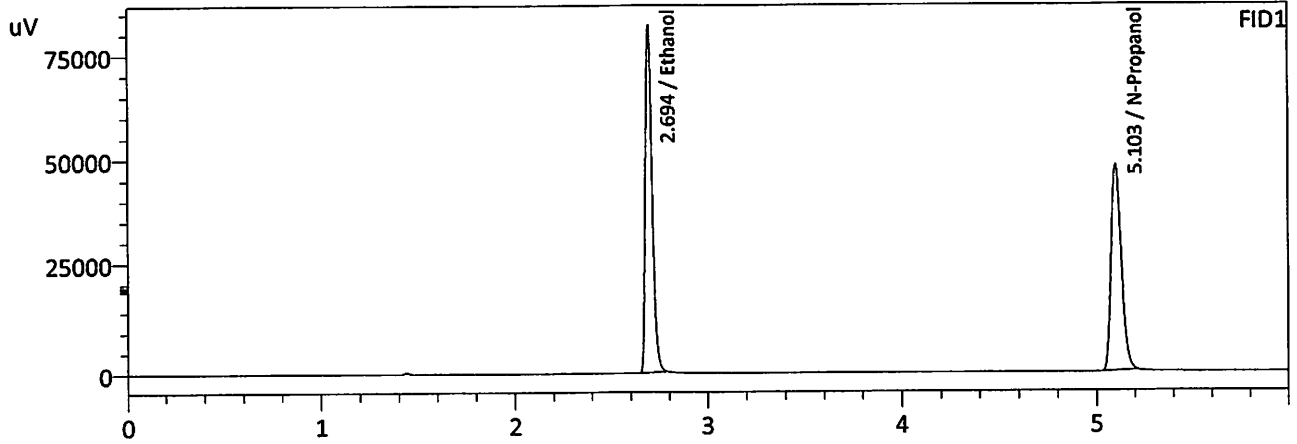
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3009	114736	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174663	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3011	121402	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	181475	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 3:01:30 PM  
 Vial # : 11  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



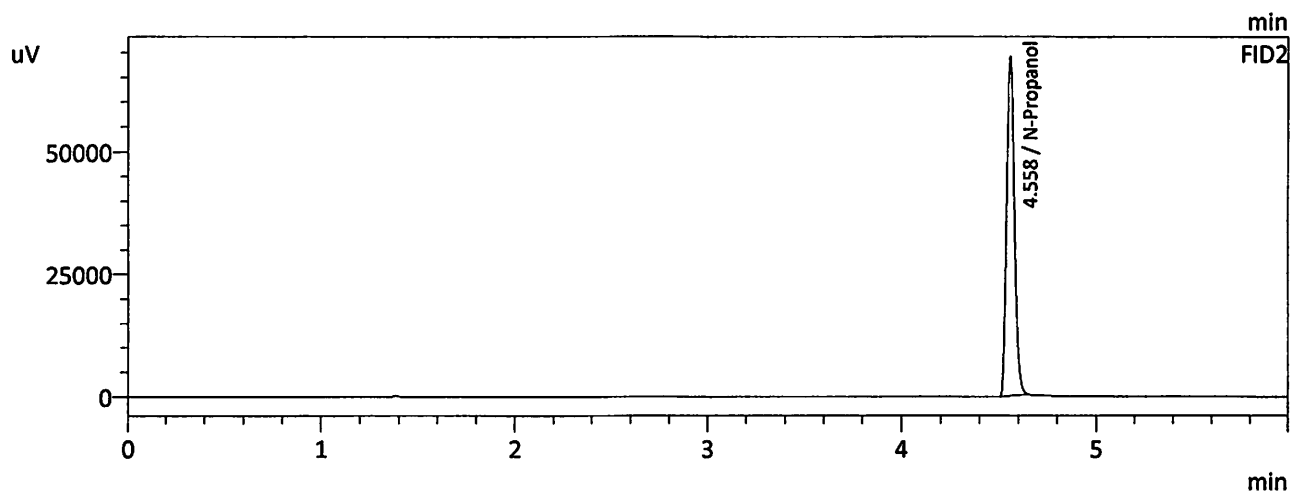
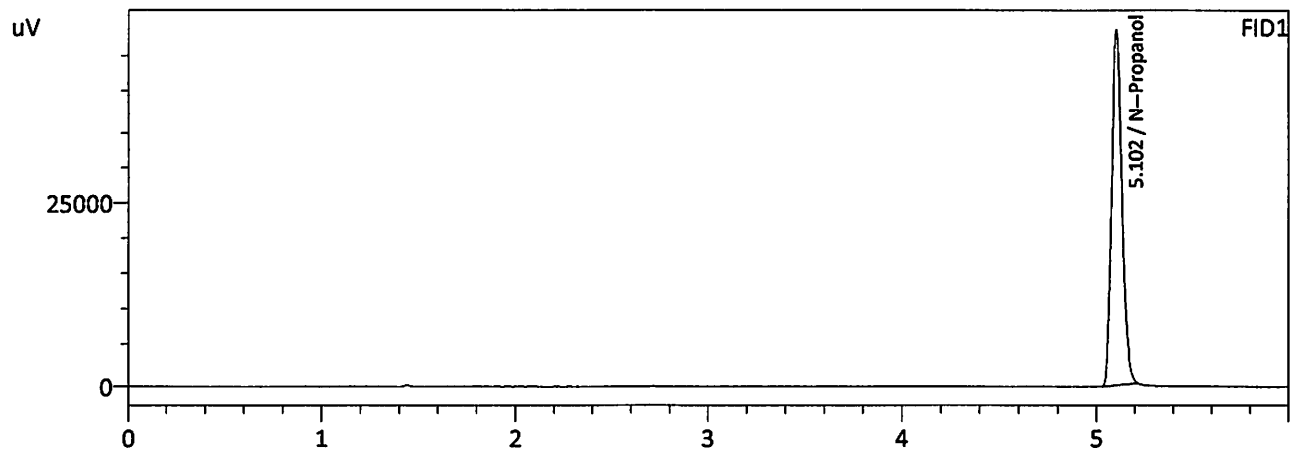
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4995	199157	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181766	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4994	211158	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189004	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : ISTD BLK  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 3:13:40 PM  
 Vial # : 12  
 Method Filename : Default Project - ALCOHOL\_25032JG.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	183535	g/100cc
Flour. 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	191086	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

# Calibration Table

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

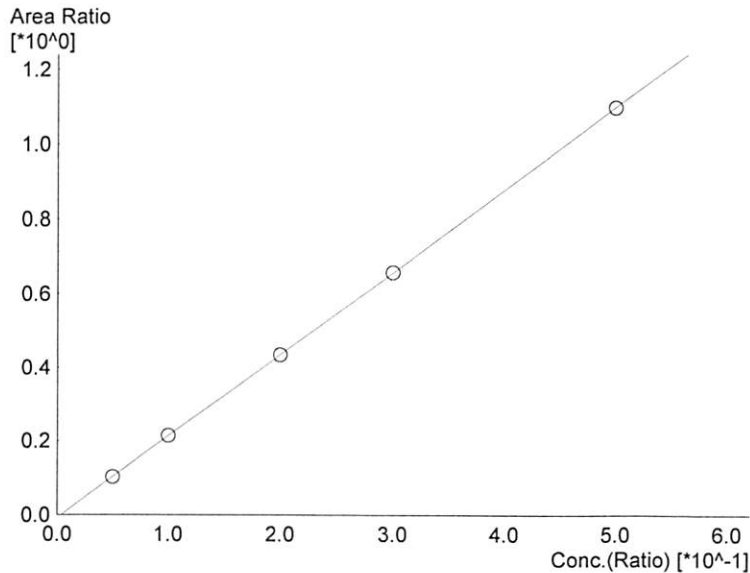
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Batch File      :Default Project - CALCURVE_250321JG_WITH WARM UP.gcb
Date Acquired   :3/21/2025 3:01:30 PM
Date Created    :3/21/2025 2:55:21 PM
Date Modified   :3/21/2025 3:07:32 PM
  
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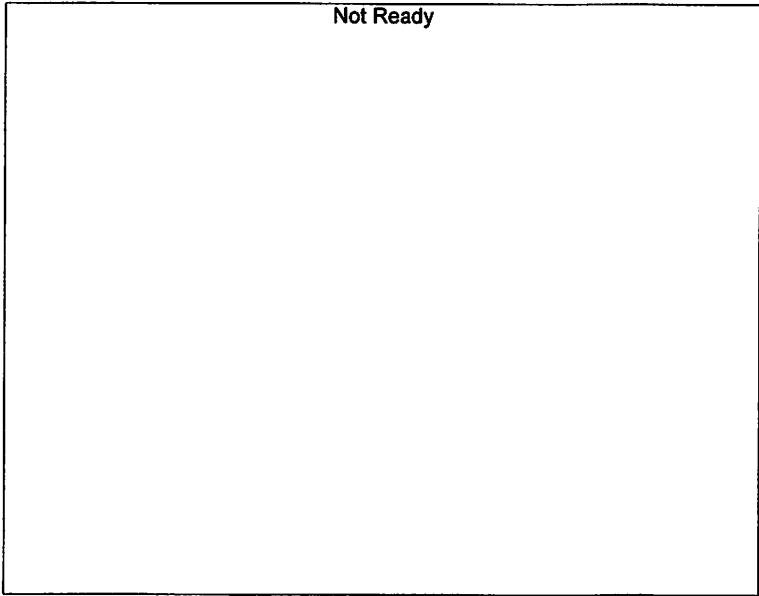
Name : Methanol  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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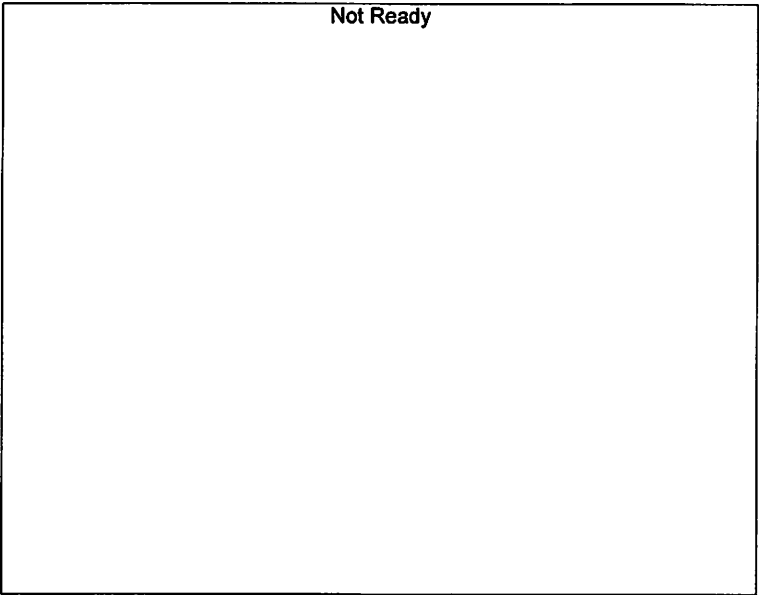
Name : Ethanol  
 Detector Name: FID1  
 Function :  $f(x)=2.20911*x-0.00793649$   
 R<sup>2</sup> value= 0.9999896  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18891	0.0496
2	0.100	39324	0.1001
3	0.200	79347	0.1996
4	0.300	114736	0.3009
5	0.500	199157	0.4995



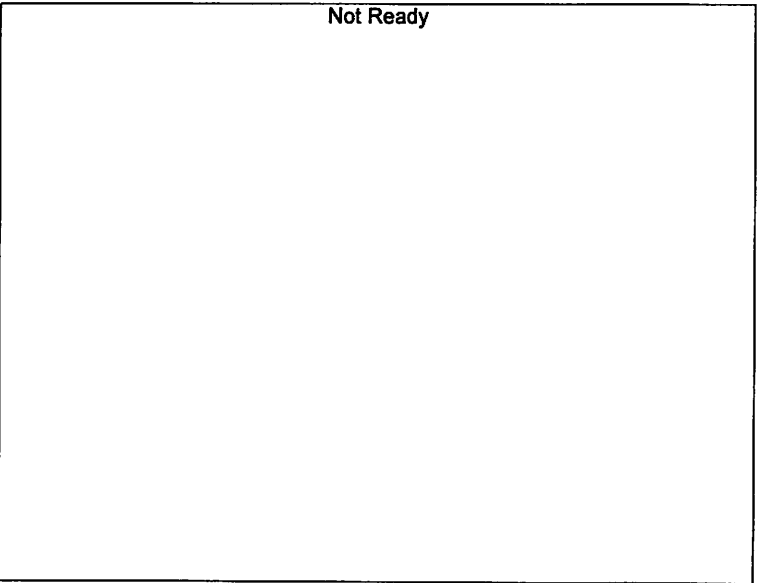
Name : Isopropyl Alcohol  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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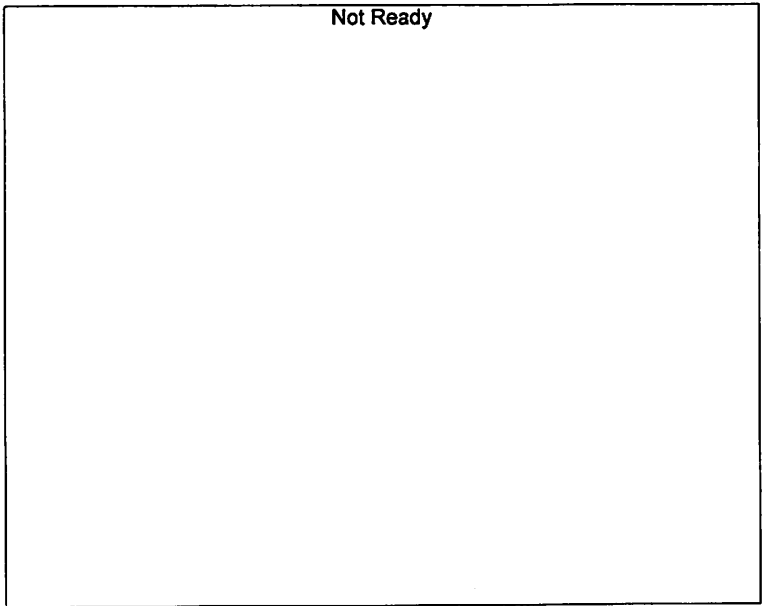
Name : Acetone  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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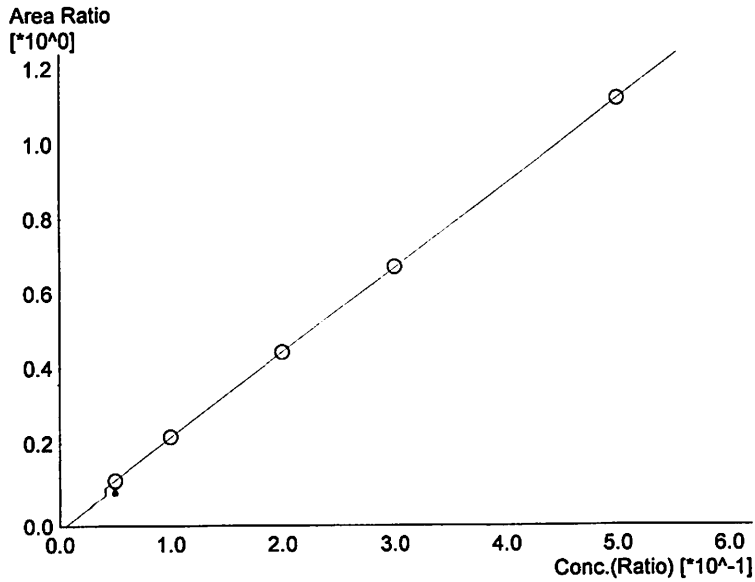
Name : Fluor. Hydrocarbon(s)  
Detector Name: FID1  
Function :  $f(x)=0*x+0$   
R<sup>2</sup> value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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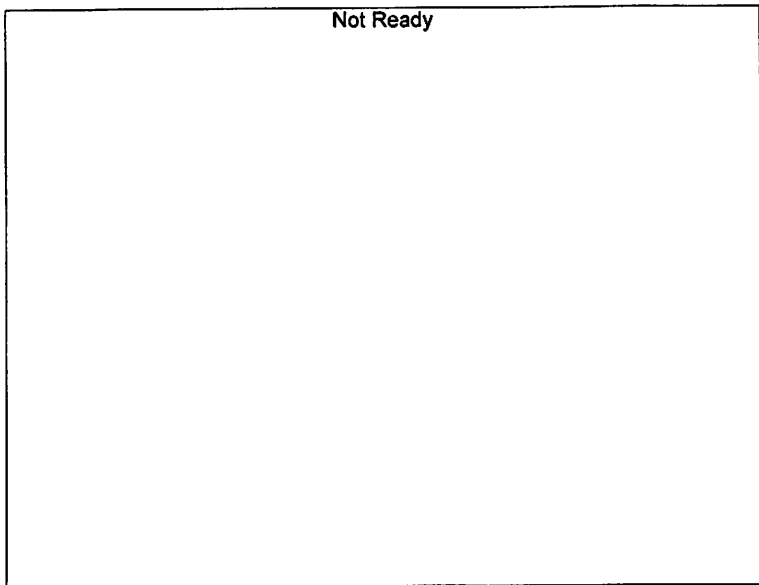
Name : Methanol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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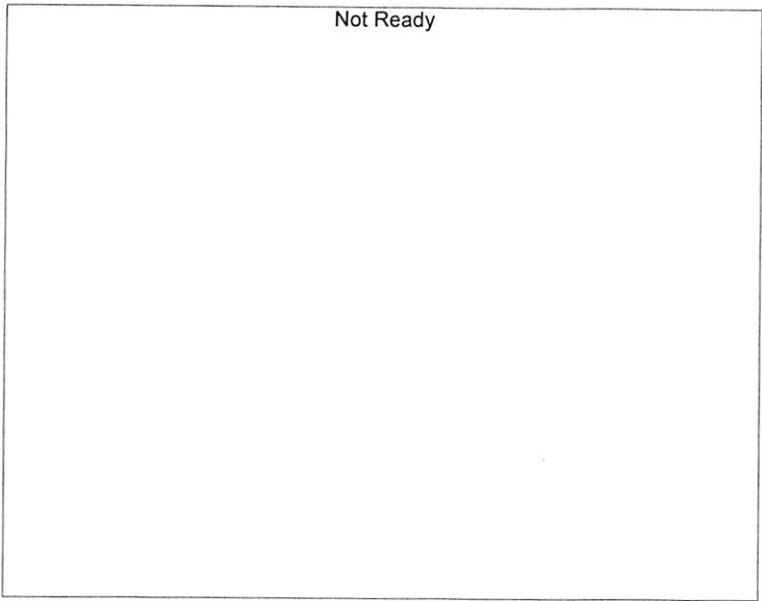
Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.26010*x-0.0116728$   
 R<sup>2</sup> value= 0.9999844  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19389	0.0496
2	0.100	41162	0.1001
3	0.200	83588	0.1995
4	0.300	121402	0.3011
5	0.500	211158	0.4994



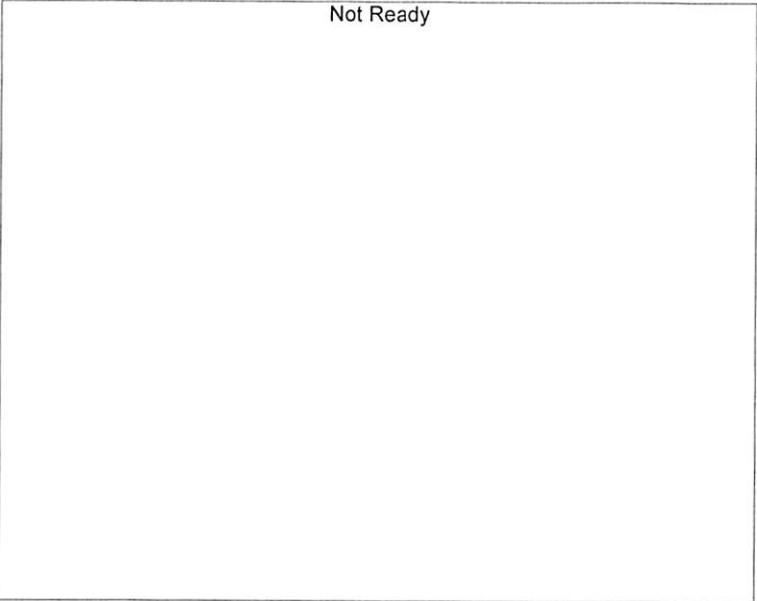
Name : Acetone  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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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.
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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.
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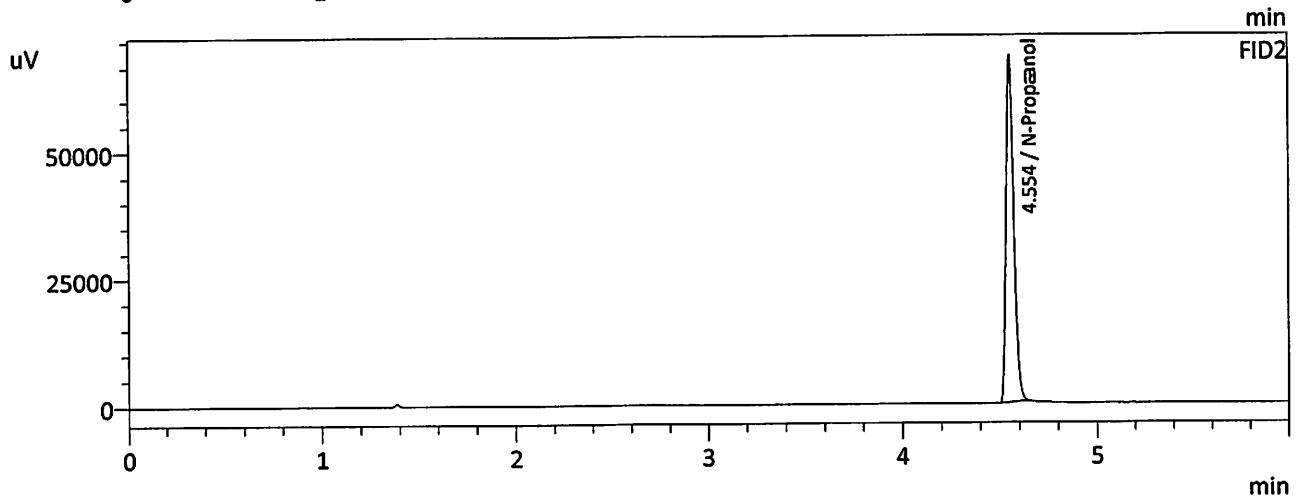
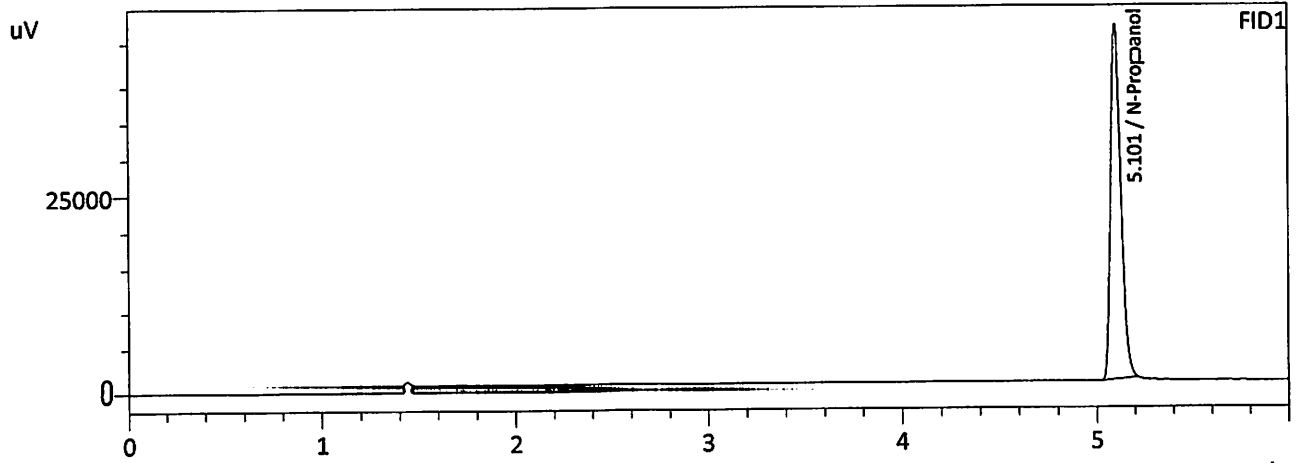
# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
Shimadzu HS-20 Serial #C12595800409  
Lab Solutions Database Software Ver. 6.111  
Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	WARMUP	0:Unknown	1	ALCOHOL 25032JG.gcm
2	WARMUP	0:Unknown	2	ALCOHOL 25032JG.gcm
3	WARMUP	0:Unknown	3	ALCOHOL 25032JG.gcm
4	WARMUP	0:Unknown	4	ALCOHOL 25032JG.gcm
5	WARMUP	0:Unknown	5	ALCOHOL 25032JG.gcm
7	0.050	1:Standard:(I)	1	ALCOHOL 25032JG.gcm
8	0.100	1:Standard	2	ALCOHOL 25032JG.gcm
9	0.200	1:Standard	3	ALCOHOL 25032JG.gcm
10	0.300	1:Standard	4	ALCOHOL 25032JG.gcm
11	0.500	1:Standard	5	ALCOHOL 25032JG.gcm
12	ISTD BLK	0:Unknown	0	ALCOHOL 25032JG.gcm

J6

Sample Name : ISTD BLK 1  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 4:44:28 PM  
 Vial # : 1  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



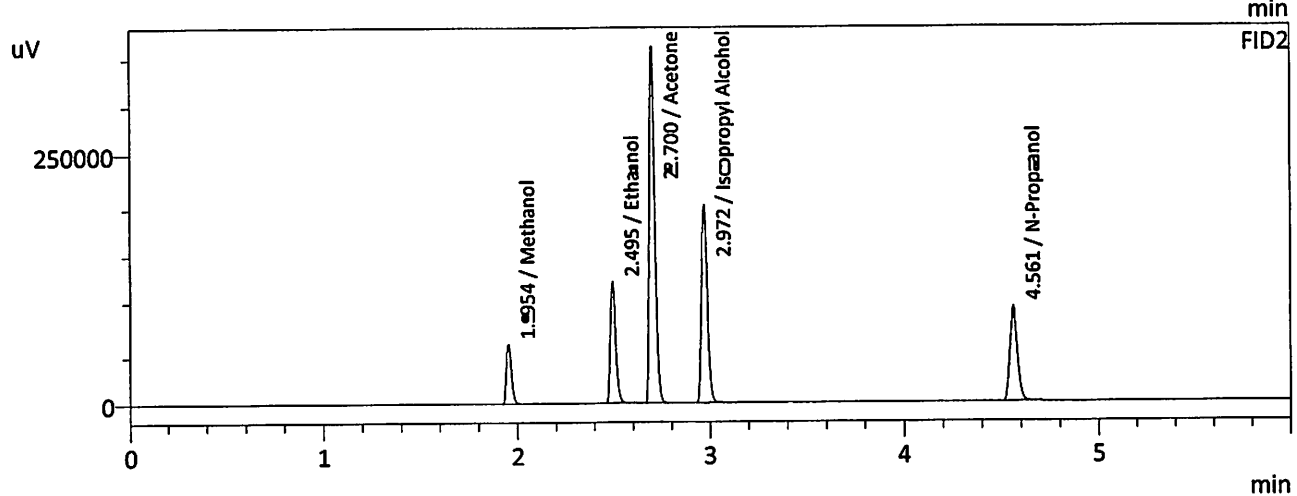
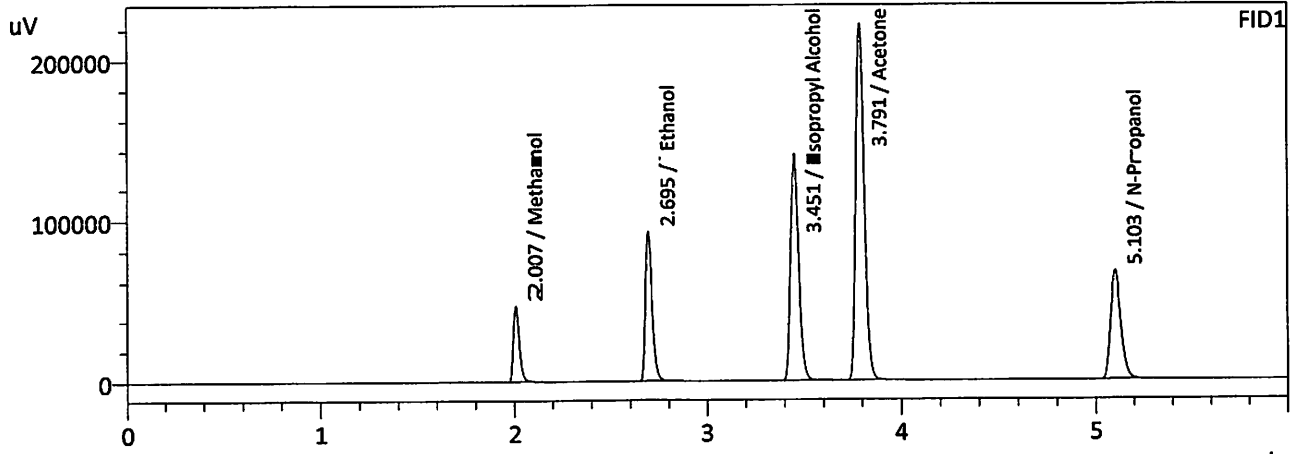
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177236	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	185020	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 05302307  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 4:57:13 PM  
 Vial # : 2  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	105987	g/100cc
Ethanol	0.4099	223894	g/100cc
Isopropyl Alcohol	0.0000	407155	g/100cc
Acetone	0.0000	669646	g/100cc
N-Propanol	0.0000	249419	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	115562	g/100cc
Ethanol	0.4102	237063	g/100cc
Acetone	0.0000	712239	g/100cc
Isopropyl Alcohol	0.0000	425884	g/100cc
N-Propanol	0.0000	258919	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1		Analysis Date(s): 3/21/2025 5:09:22 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0772	0.0765	0.0007	0.0768	0.0057	0.0796
(g/100cc)	0.0827	0.0823	0.0004	0.0825		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

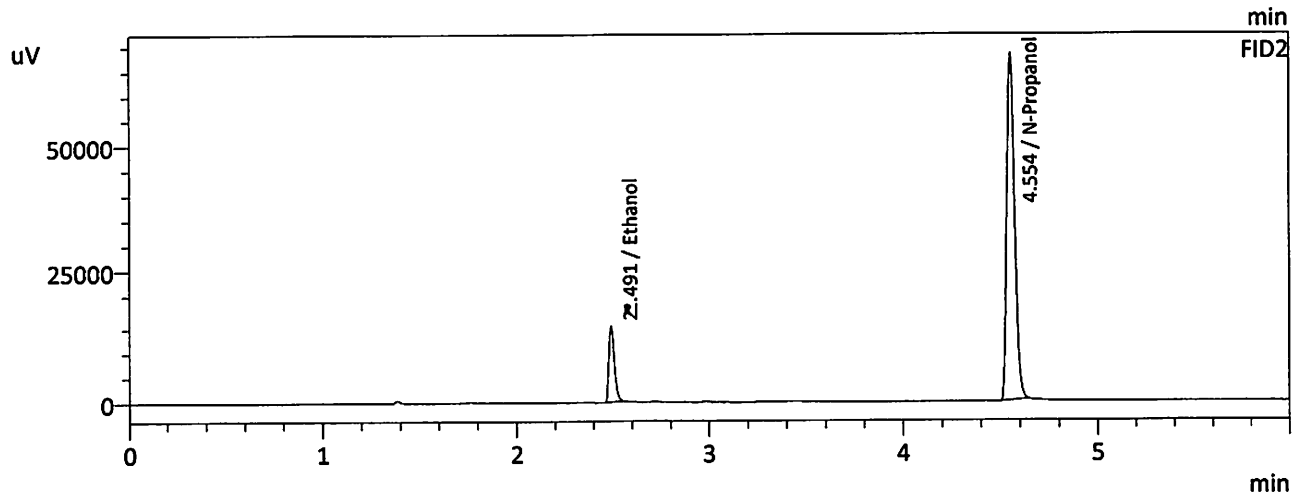
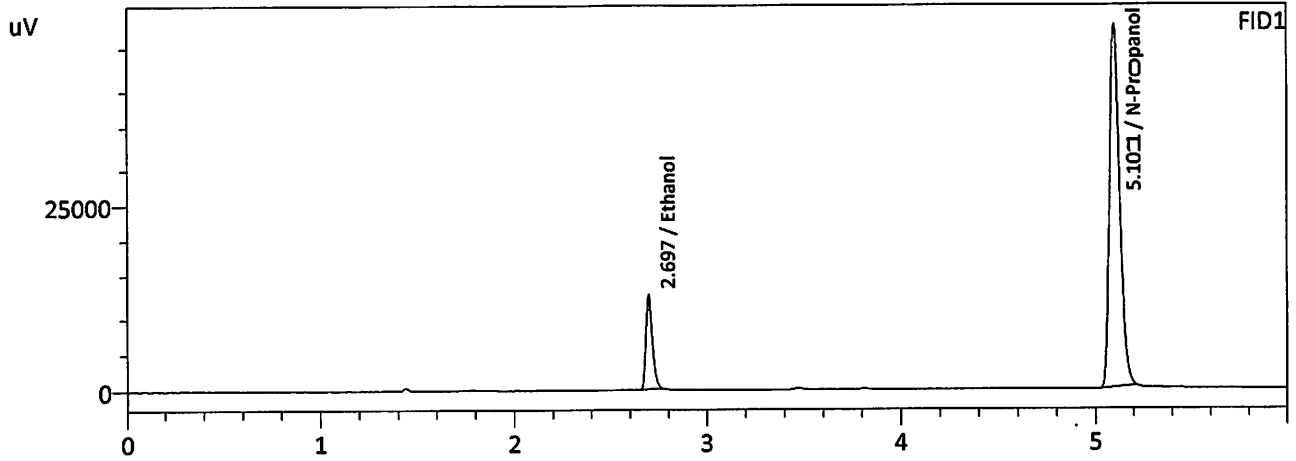
Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_25032JG.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.

Sample Name : QC-1-1  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 5:09:22 PM  
 Vial # : 3  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



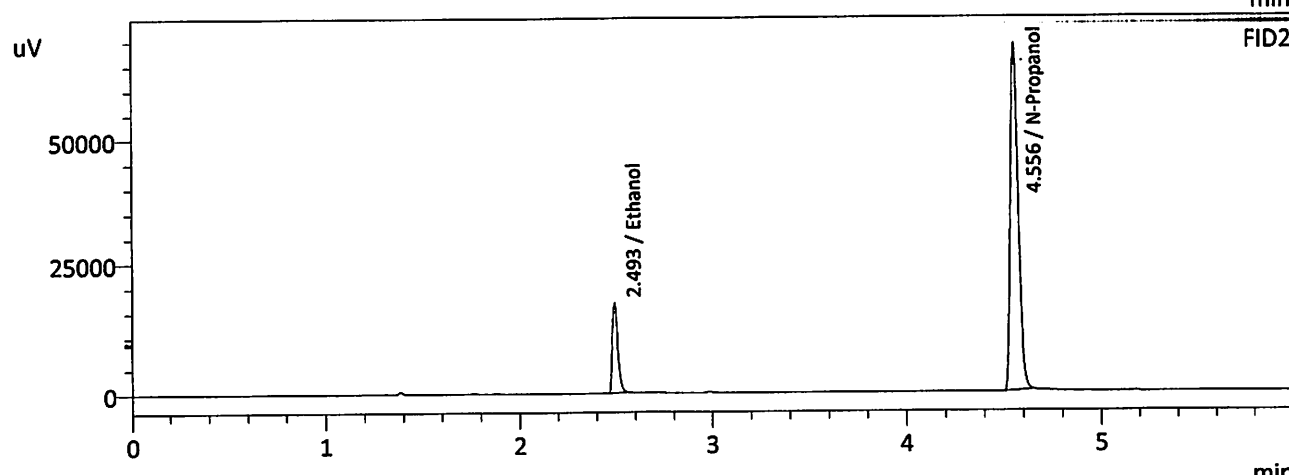
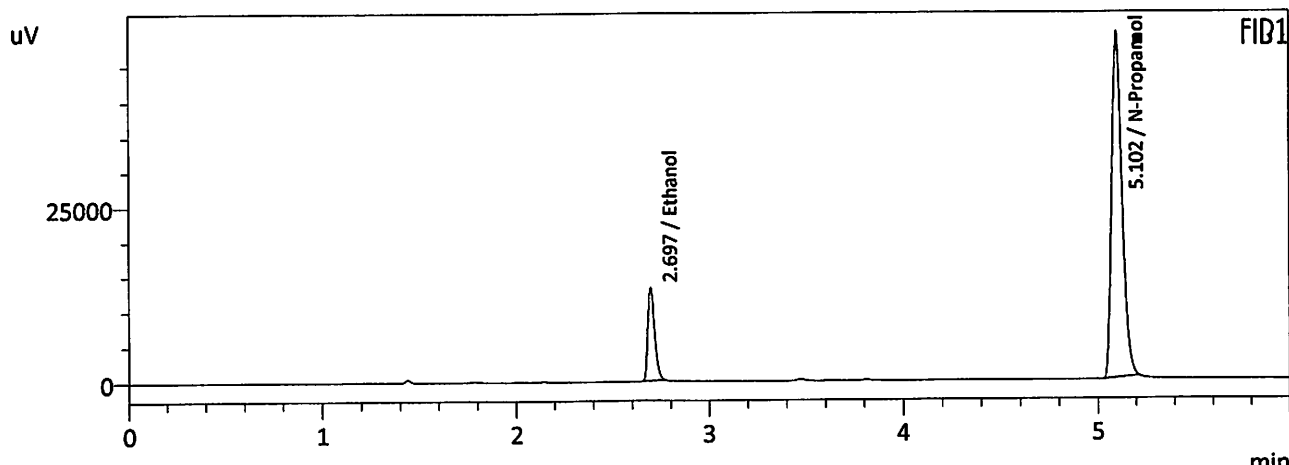
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	29434	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180822	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0765	30532	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189133	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 5:21:45 PM  
 Vial # : 4  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	32016	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182985	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	33354	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191202	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 3/21/2025 5:33:58 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A=B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0780	0.0777	0.0003	0.0778	0.0001	0.0777
(g/100cc)	0.0777	0.0777	0.0000	0.0777		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_25032JG.gcm

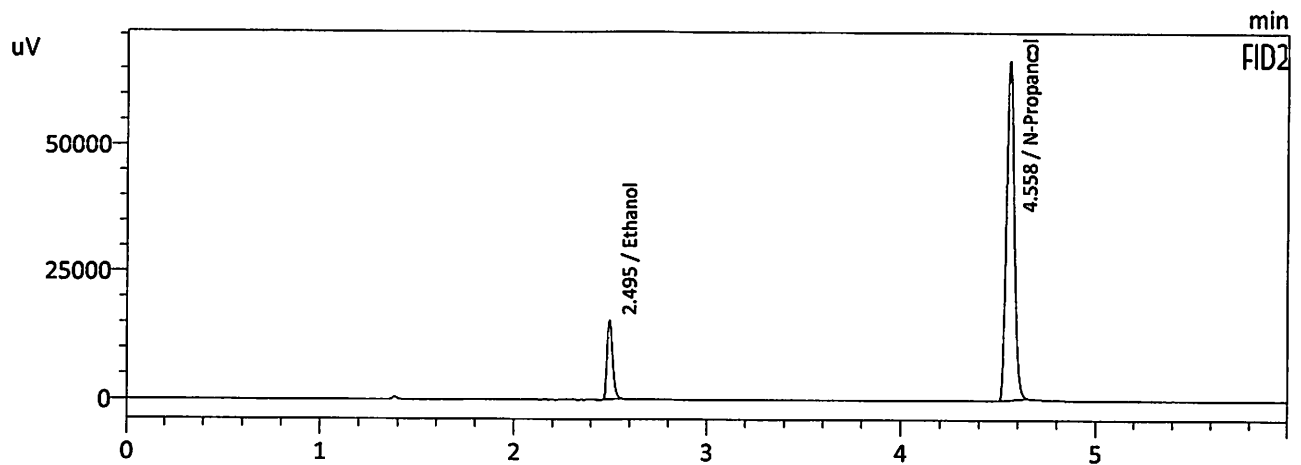
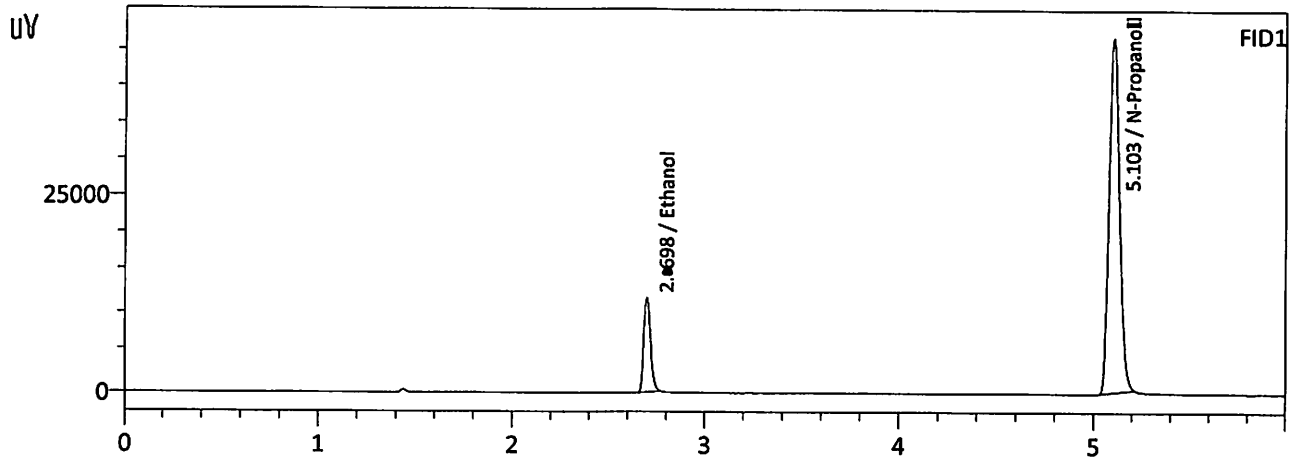
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.077	0.073	0.081	0.004

Reported Results	
0.077	

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 5:33:58 PM  
 Vial # : 5  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



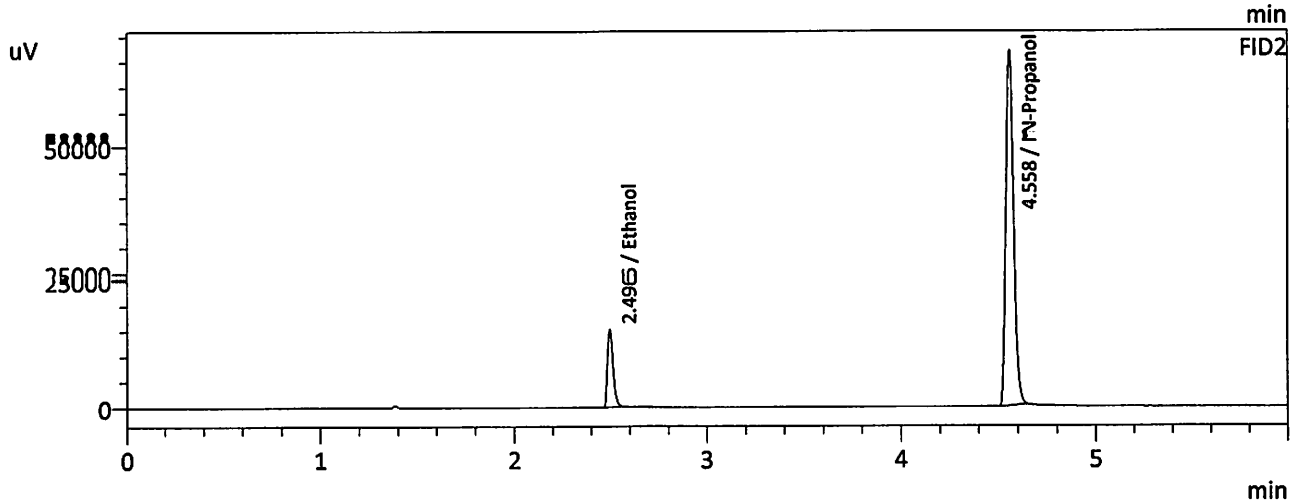
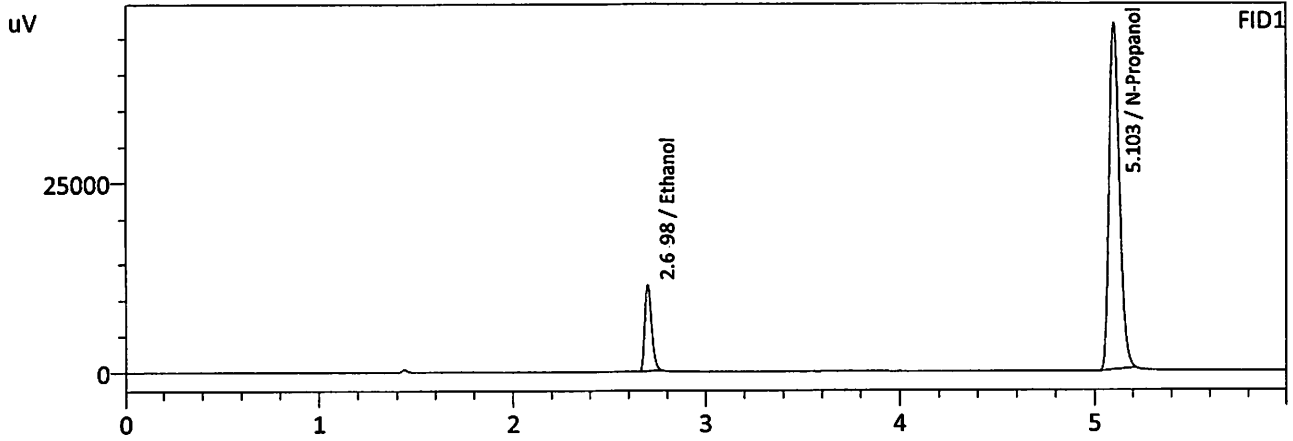
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0780	29123	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177150	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	30335	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 5:46:37 PM  
 Vial # : 6  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	29103	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177585	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	30339	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184924	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1			Analysis Date(s): 3/21/2025 9:42:32 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2034	0.2041	0.0007	0.2037	0.0024	0.2025
(g/100cc)	0.2011	0.2016	0.0005	0.2013		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_25032JG.gcm

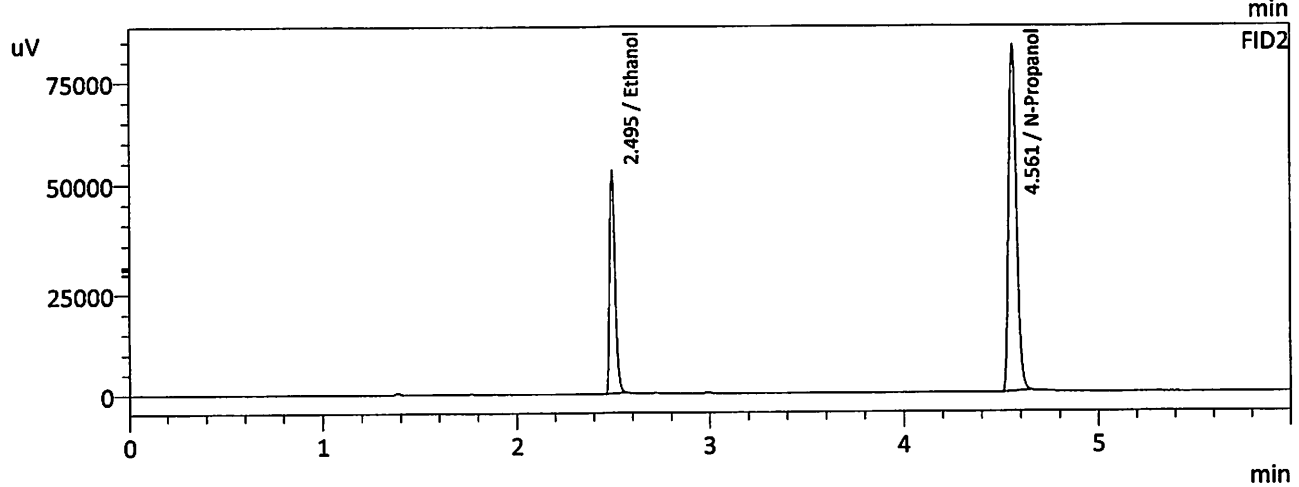
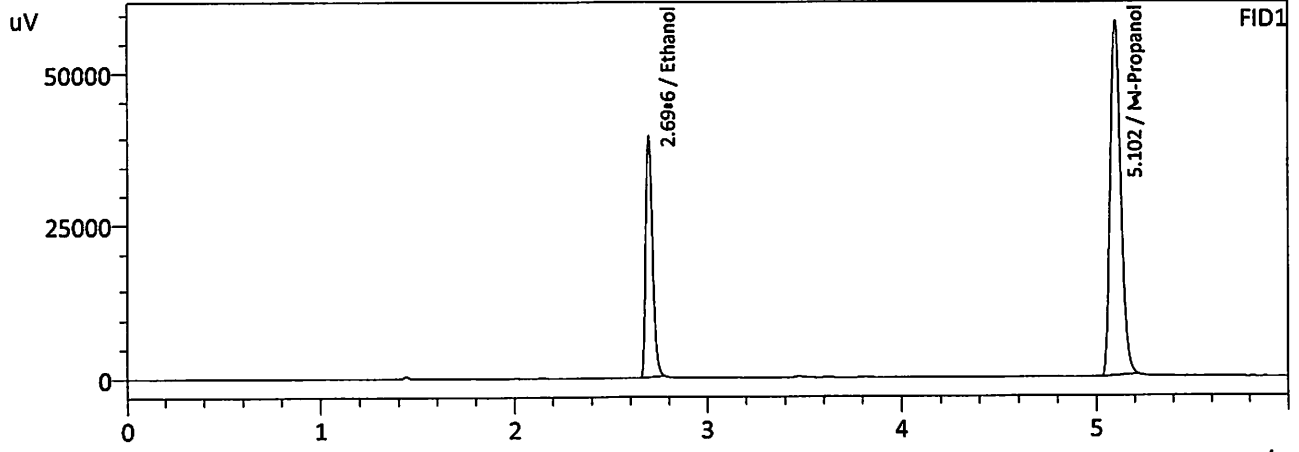
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.202	0.191	0.213	0.011

	<b>Reported Results</b>
	0.202

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 9:42:32 PM  
 Vial # : 25  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



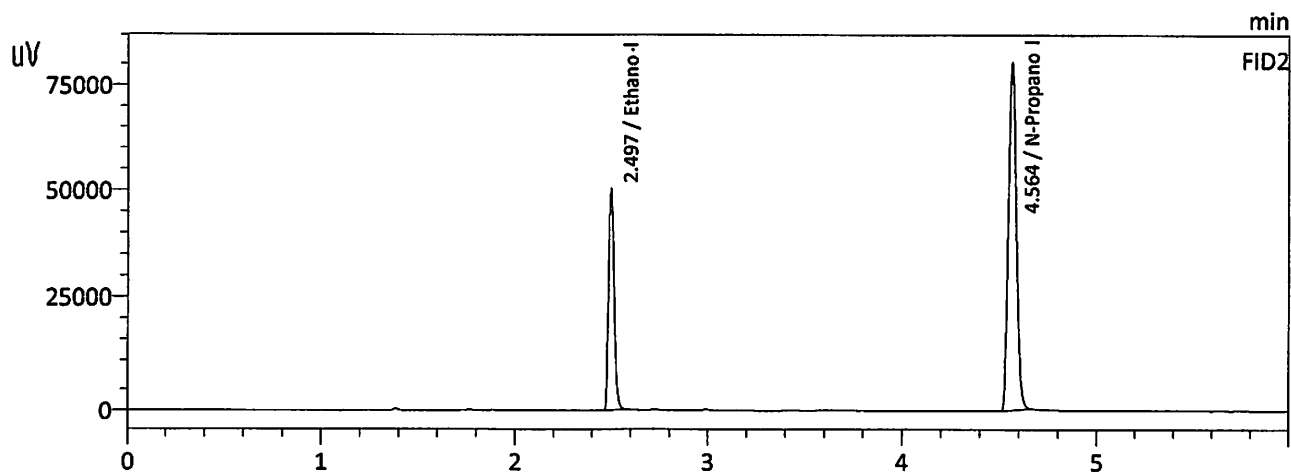
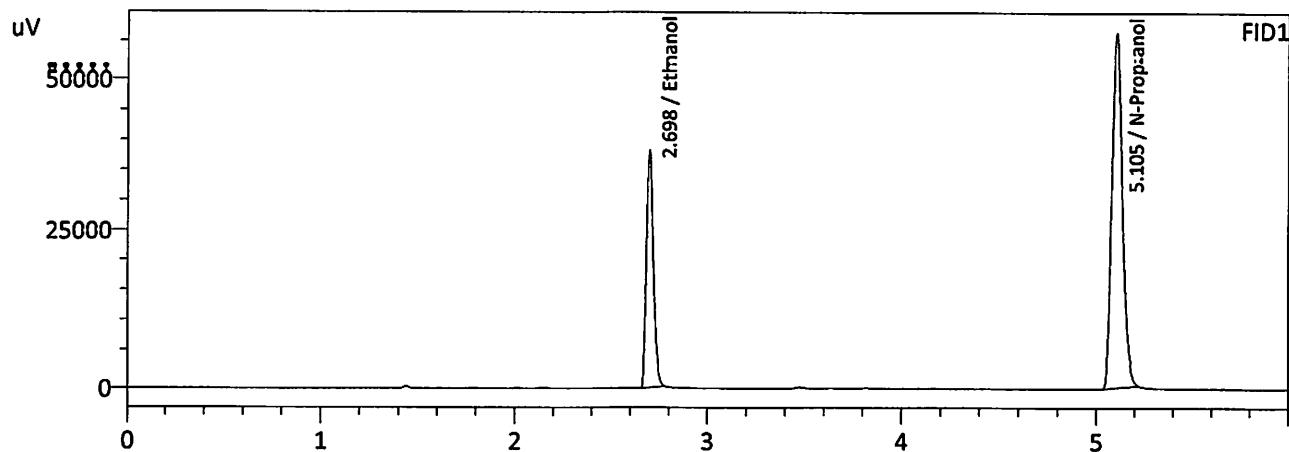
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2034	98181	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222389	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2041	104209	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231768	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QG-2-1-B  
 Laboratory : Meridian  
 Injection Date : 3/21/2025 9:54:58 PM  
 Vial # : 26  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2011	93292	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213738	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2016	98971	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222905	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

*JG*

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2		Analysis Date(s): 3/22/2025 2:15:13 AM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0820	0.0822	0.0002	0.0821	0.0007	0.0817
(g/100cc)	0.0813	0.0815	0.0002	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

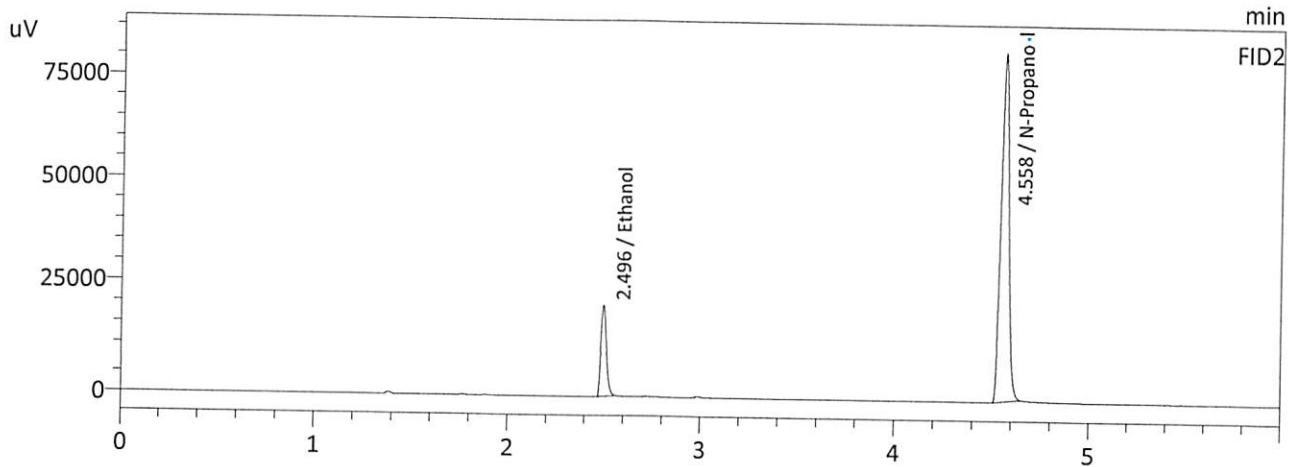
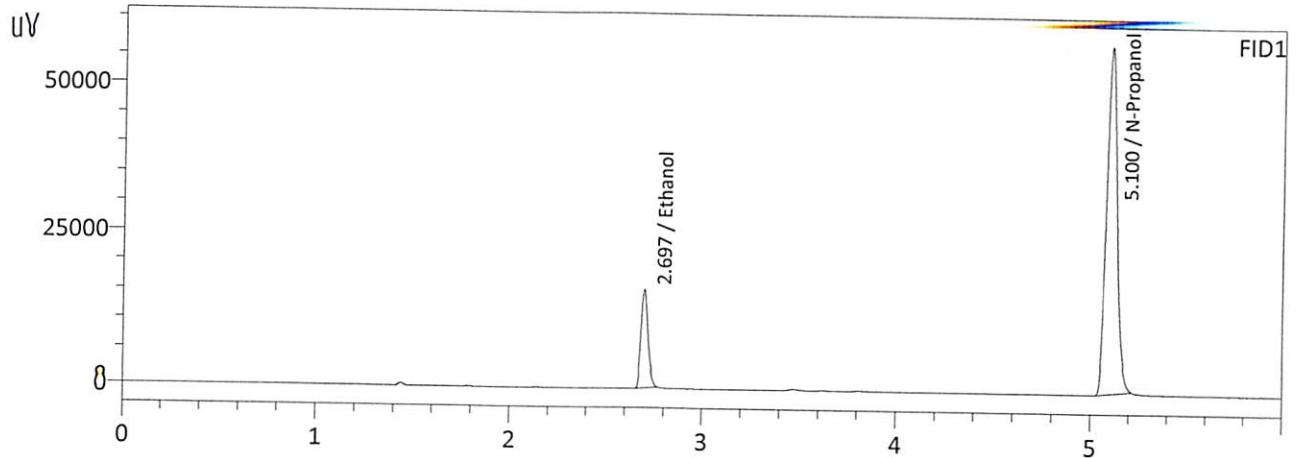
Refer To Instrument Method: ALCOHOL\_25032JG.gcm

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

Reported Results	
0.081	

Calibration and control data are stored centrally.

Sample Name : QC-1-2  
 Laboratory : Meridian  
 Injection Date : 3/22/2025 2:15:13 AM  
 Vial # : 47  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



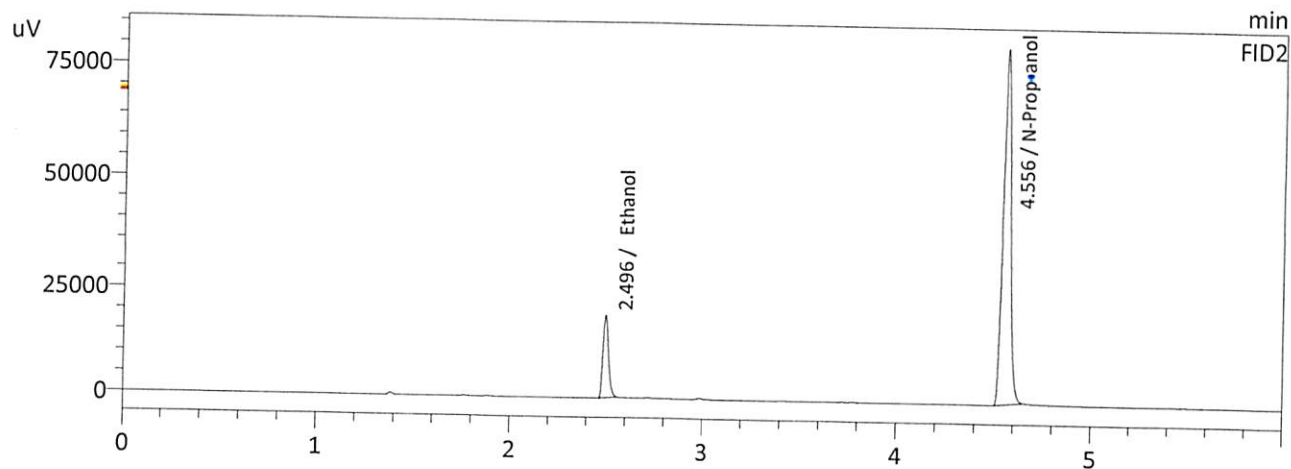
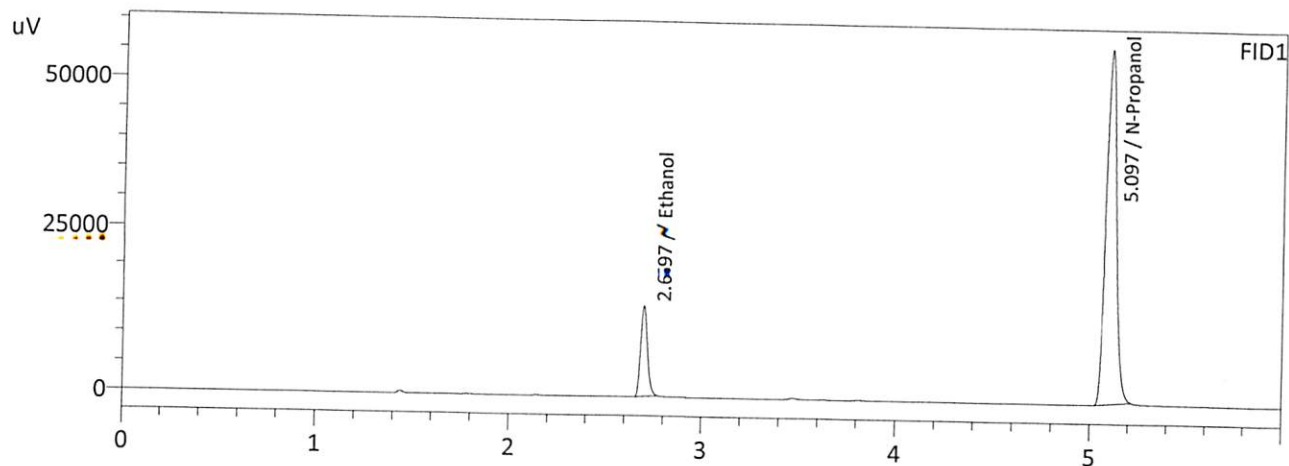
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	37770	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217930	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	39597	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227199	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-2-B  
 Laboratory : Meridian  
 Injection Date : 3/22/2025 2:27:24 AM  
 Vial # : 48  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	37201	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216690	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0815	38939	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225477	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2		Analysis Date(s): 3/22/2025 4:18:25 AM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2036	0.2046	0.0010	0.2041	0.0053	0.2014
(g/100cc)	0.1989	0.1988	0.0001	0.1988		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

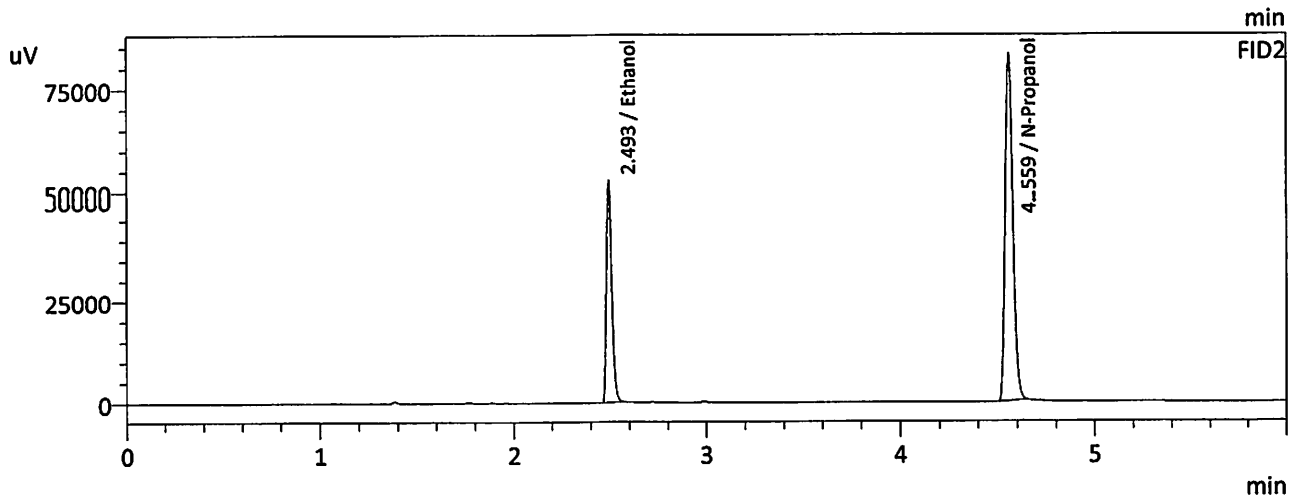
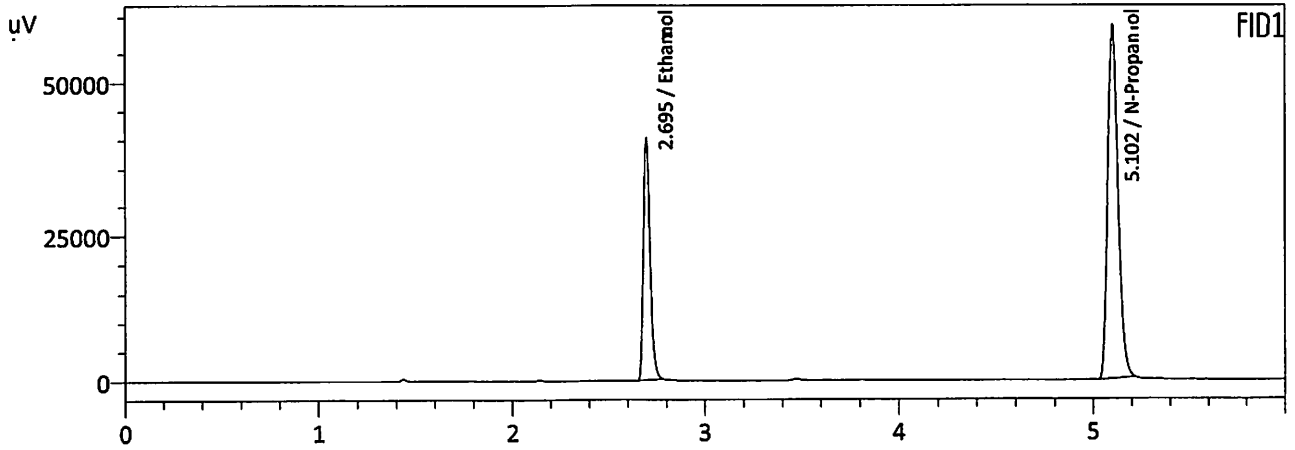
Refer To Instrument Method: ALCOHOL\_25032JG.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.201	0.190	0.212	0.011

Reported Results	
0.201	

Calibration and control data are stored centrally.

Sample Name : QC-2-2  
 Laboratory : Meridian  
 Injection Date : 3/22/2025 4:18:25 AM  
 Vial # : 57  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



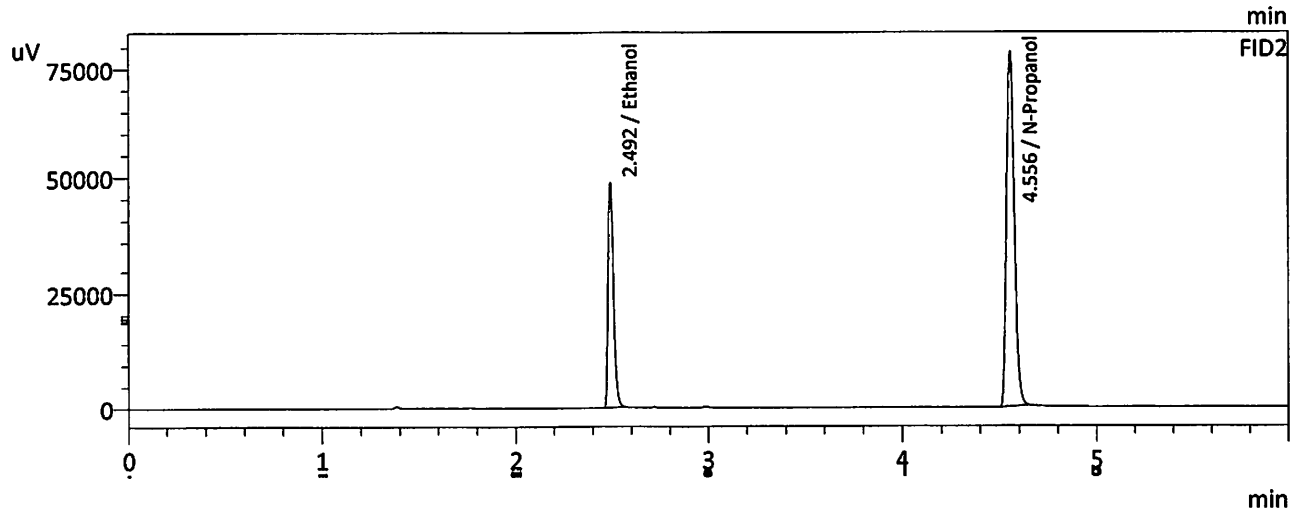
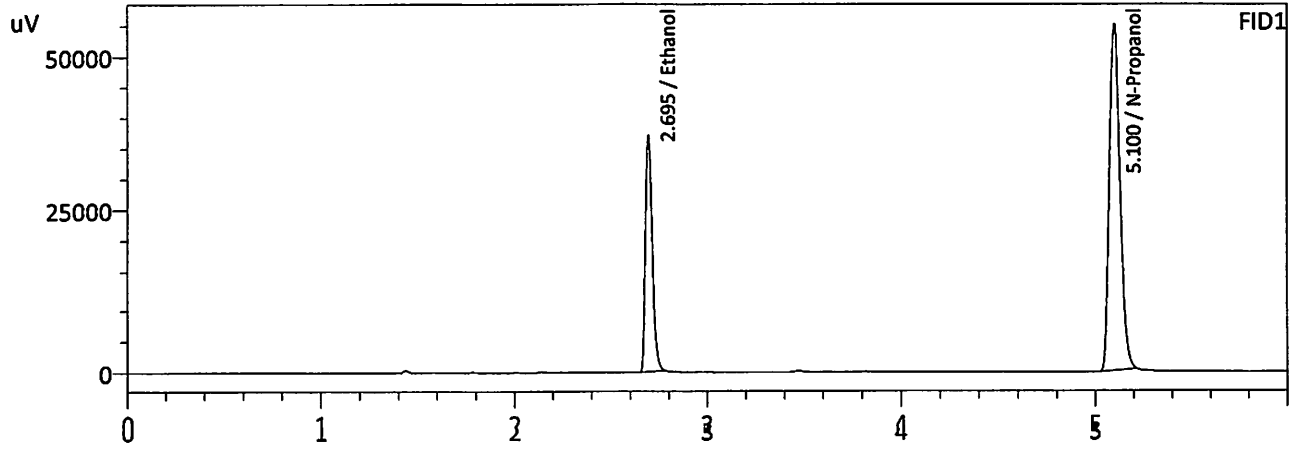
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2036	97808	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221260	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2046	103618	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229879	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-2-B  
 Laboratory : Meridian  
 Injection Date : 3/22/2025 4:30:41 AM  
 Vial # : 58  
 Method Filename : Default Project - ALCOHOL\_25032JG.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



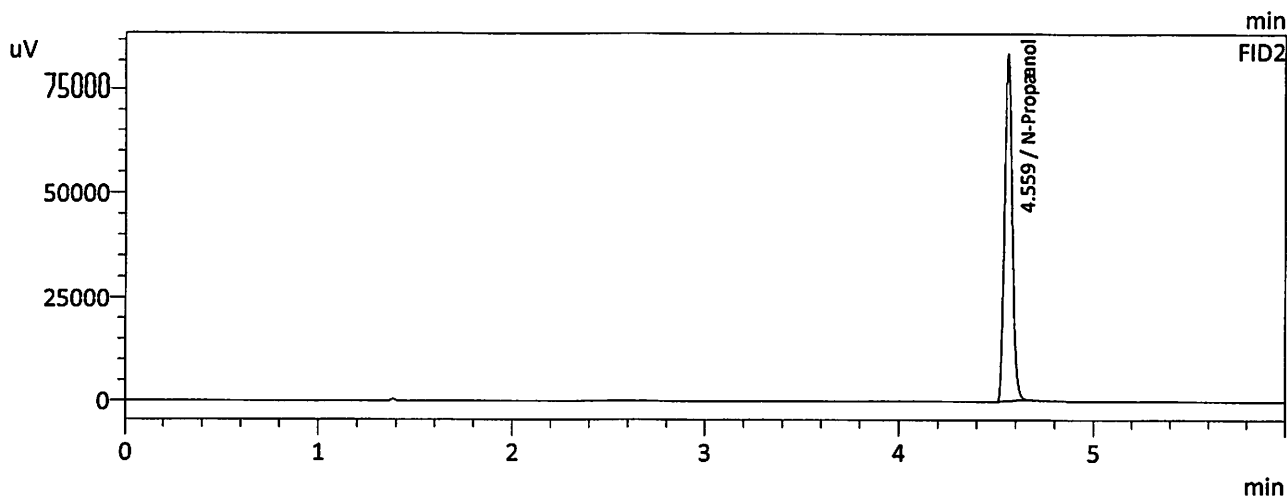
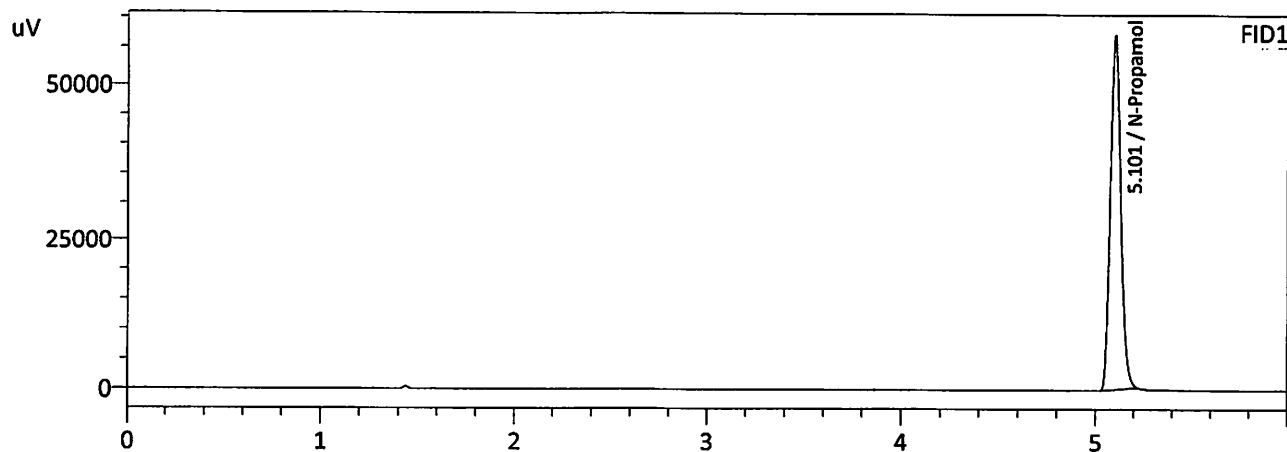
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1989	90280	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209211	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1988	95247	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217625	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : ISTD BLK 2  
 Laboratory : Meridian  
 Injection Date : 3/22/2025 4:43:18 AM  
 Vial # : 59  
 Method Filename : Default Project - ALCOHOL\_25032JG.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	217256	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	226199	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

JK

# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
 Shimadzu HS-20 Serial #C12595800409  
 Lab Solutions Database Software Ver. 6.111  
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Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 25032JG.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 25032JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 25032JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 25032JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 25032JG.gcm
7	M2025-0841-1	0:Unknown	0	ALCOHOL 25032JG.gcm
8	M2025-0841-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
9	M2025-0944-1	0:Unknown	0	ALCOHOL 25032JG.gcm
10	M2025-0944-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
11	M2025-0951-1	0:Unknown	0	ALCOHOL 25032JG.gcm
12	M2025-0951-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
13	M2025-0952-1	0:Unknown	0	ALCOHOL 25032JG.gcm
14	M2025-0952-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
15	M2025-0957-2	0:Unknown	0	ALCOHOL 25032JG.gcm
16	M2025-0957-2-B	0:Unknown	0	ALCOHOL 25032JG.gcm
17	M2025-0977-1	0:Unknown	0	ALCOHOL 25032JG.gcm
18	M2025-0977-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
19	M2025-0978-1	0:Unknown	0	ALCOHOL 25032JG.gcm
20	M2025-0978-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
21	M2025-0979-1	0:Unknown	0	ALCOHOL 25032JG.gcm
22	M2025-0979-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
23	M2025-0980-1	0:Unknown	0	ALCOHOL 25032JG.gcm
24	M2025-0980-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 25032JG.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
27	M2025-0992-2	0:Unknown	0	ALCOHOL 25032JG.gcm
28	M2025-0992-2-B	0:Unknown	0	ALCOHOL 25032JG.gcm
29	M2025-1007-1	0:Unknown	0	ALCOHOL 25032JG.gcm
30	M2025-1007-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
31	M2025-1010-1	0:Unknown	0	ALCOHOL 25032JG.gcm
32	M2025-1010-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
33	M2025-1011-1	0:Unknown	0	ALCOHOL 25032JG.gcm
34	M2025-1011-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
35	M2025-1012-1	0:Unknown	0	ALCOHOL 25032JG.gcm
36	M2025-1012-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
37	M2025-1013-1	0:Unknown	0	ALCOHOL 25032JG.gcm
38	M2025-1013-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
39	M2025-1014-1	0:Unknown	0	ALCOHOL 25032JG.gcm
40	M2025-1014-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
41	M2025-1015-1	0:Unknown	0	ALCOHOL 25032JG.gcm
42	M2025-1015-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
43	M2025-1045-1	0:Unknown	0	ALCOHOL 25032JG.gcm
44	M2025-1045-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
45	M2025-1049-1	0:Unknown	0	ALCOHOL 25032JG.gcm
46	M2025-1049-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 25032JG.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 25032JG.gcm
49	M2025-1050-1	0:Unknown	0	ALCOHOL 25032JG.gcm
50	M2025-1050-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
51	M2025-1070-1	0:Unknown	0	ALCOHOL 25032JG.gcm
52	M2025-1070-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
53	M2025-1088-1	0:Unknown	0	ALCOHOL 25032JG.gcm
54	M2025-1088-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
55	M2025-1089-1	0:Unknown	0	ALCOHOL 25032JG.gcm
56	M2025-1089-1-B	0:Unknown	0	ALCOHOL 25032JG.gcm
57	QC-2-2	0:Unknown	0	ALCOHOL 25032JG.gcm
58	QC-2-2-B	0:Unknown	0	ALCOHOL 25032JG.gcm
59	ISTD BLK 2	0:Unknown	0	ALCOHOL 25032JG.gcm

JG