



















APPROVED

12/16/2024

By John Garner at 3:45 pm, Dec 16, 2024

Worklist: 6998

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-5175	1	BCK	Alcohol Analysis	
M2024-5180	1	BCK	Alcohol Analysis	
M2024-5181	1	BCK	Alcohol Analysis	
M2024-5182	1	BCK	Alcohol Analysis	
M2024-5183	1	BCK	Alcohol Analysis	
M2024-5207	1	BCK	Alcohol Analysis	
M2024-5208	1	BCK	Alcohol Analysis	
M2024-5209	1	BCK	Alcohol Analysis	
M2024-5222	1	BCK	Alcohol Analysis	
M2024-5230	1	BCK	Alcohol Analysis	
M2024-5253	1	BCK	Alcohol Analysis	
M2024-5258	1	BCK	Alcohol Analysis	
M2024-5259	1	BCK	Alcohol Analysis	
M2024-5262	1	BCK	Alcohol Analysis	
M2024-5287	1	BCK	Alcohol Analysis	
M2024-5289	1	BCK	Alcohol Analysis	
M2024-5300	1	BCK	Alcohol Analysis	
M2024-5305	1	BCK	Alcohol Analysis	

JB

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): 12/13/24

Calibration Date: 12/13/24

Worklist #: 6998

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0773 g/100cc
					0.0819 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2058 g/100cc
					0.2066 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	28-May	Lot #	FN05302307
Curve Fit:			Column 1	0.99993	Column2 0.99992

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0512	0.0512	0	0.0512
100	0.100	0.090 - 0.110	0.0979	0.0979	0	0.0979
200	0.200	0.180 - 0.220	0.1998	0.1996	0.0002	0.1997
300	0.300	0.270 - 0.330	0.3015	0.3018	0.0003	0.3016
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4994	0.4992	0.0002	0.4993

Aqueous Controls

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

NB

Internal Standard Monitoring Worksheet

Worklist #:	6998	Run Date(s):	12/13/24
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Internal Standard Solution:	Prep Date: 11/20/2024	Exp Date: 5/20/2025
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Sample Name	Column 1 Value	Column 2 Value
0.080	210463	224547
0.080	218678	232581
QC1	205495	219012
QC1	205595	219458
QC1	261474	279080
QC1	269163	287098
QC1		
QC1		
QC2	252935	270272
QC2	247605	264503
QC2	283510	302376
QC2	269769	287653
QC2		
QC2		

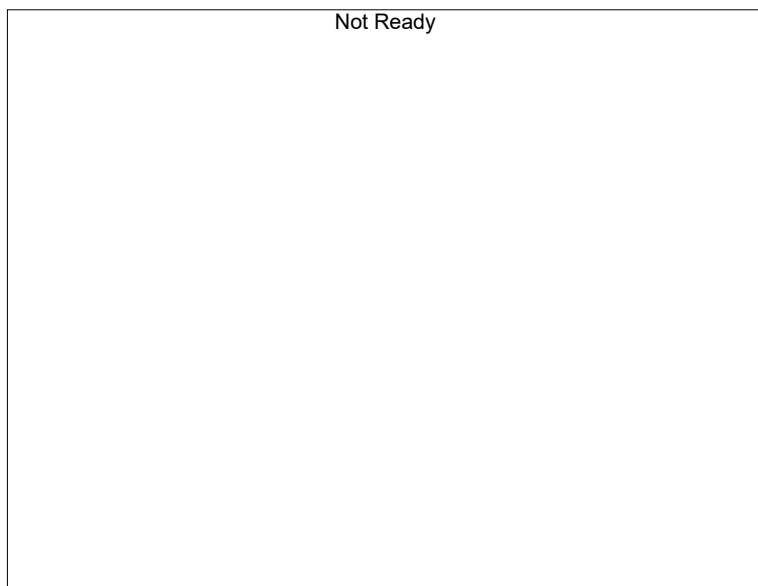
	Average	(-)20%	(+)20%
Column 1	242468.7	193975.0	290962.4
Column 2	258658.0	206926.4	310389.6

NB

Calibration Table

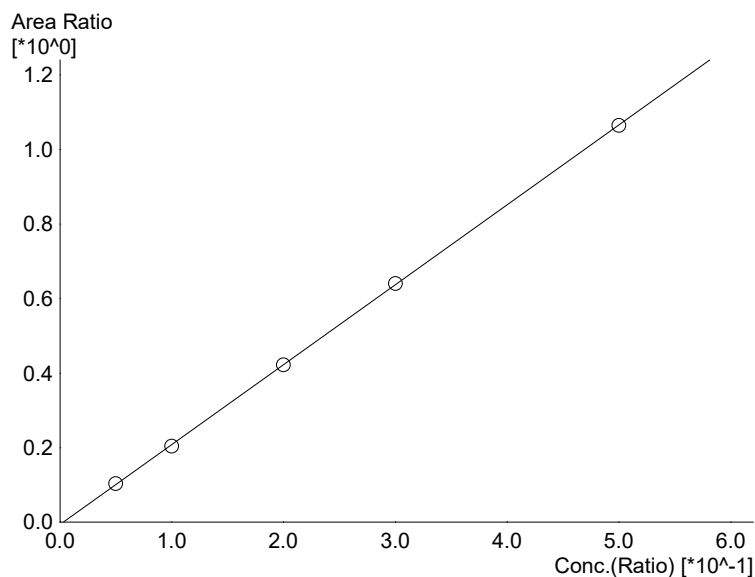
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File :Default Project - ALCOHOL_241213NB.GCM.gcm
 Date Created :12/13/2024 8:25:18 AM
 Date Modified :12/13/2024 3:29:38 PM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.14502*x-0.00657478$
 R² value= 0.9999342
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20443	0.0512
2	0.100	40983	0.0979
3	0.200	88334	0.1998
4	0.300	131460	0.3015
5	0.500	216824	0.4994

NB



Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Acetone
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

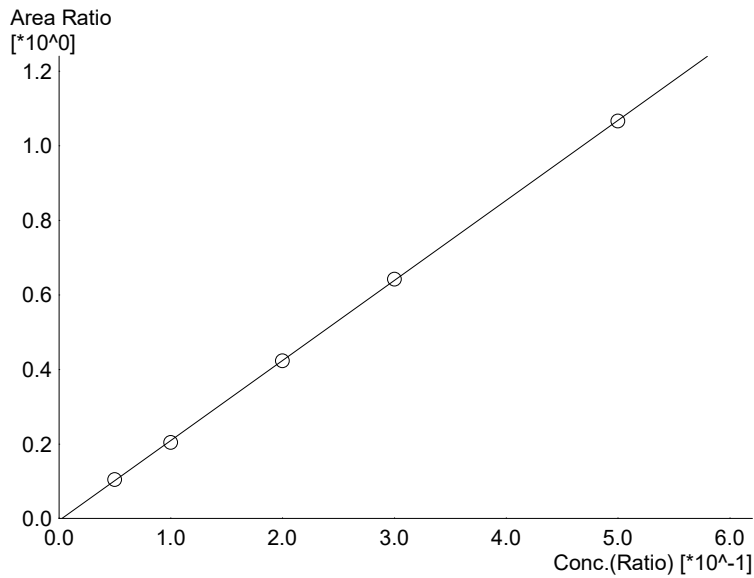
#	Conc.	Area	Std. Conc.
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NB



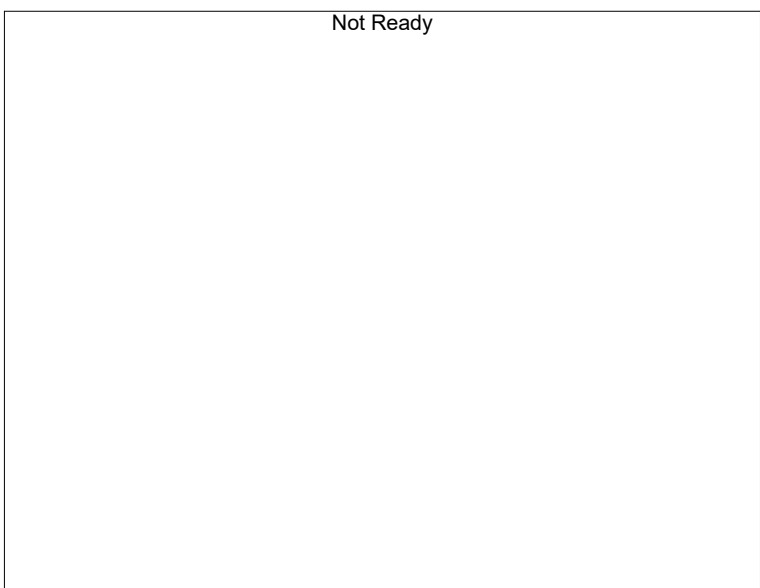
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.14756*x-0.00602941$
 R² value= 0.9999226
 FitType: Linear
 ZeroThrough: Not Through

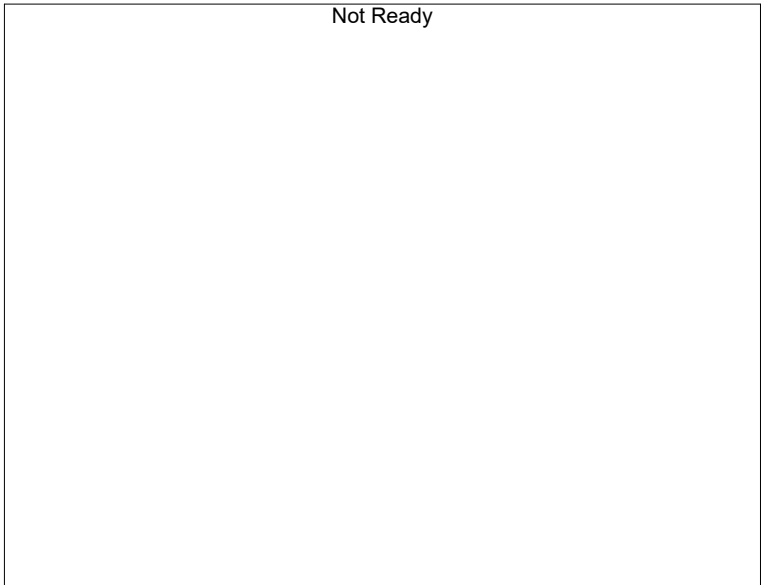
#	Conc.	Area	Std. Conc.
1	0.050	21959	0.0512
2	0.100	43810	0.0979
3	0.200	94257	0.1996
4	0.300	140438	0.3018
5	0.500	231216	0.4992



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB



Name : Isopropyl Alcohol
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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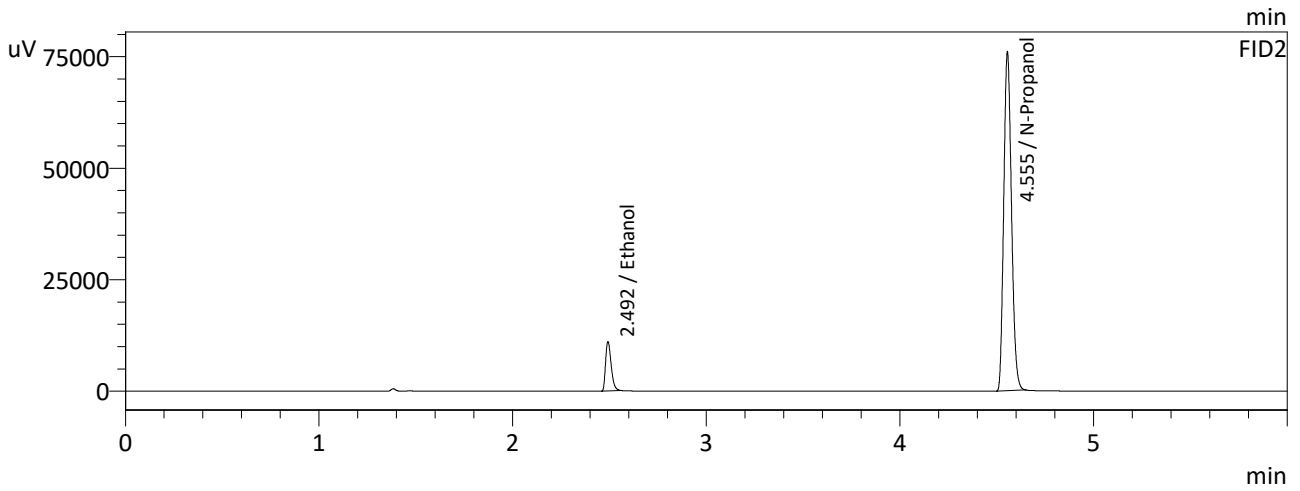
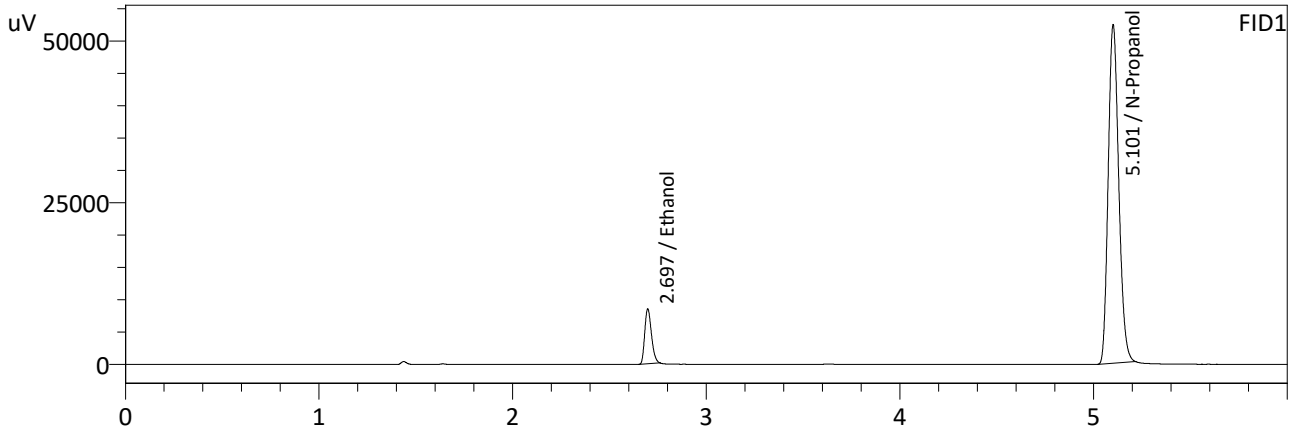


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 12/13/2024 2:34:06 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

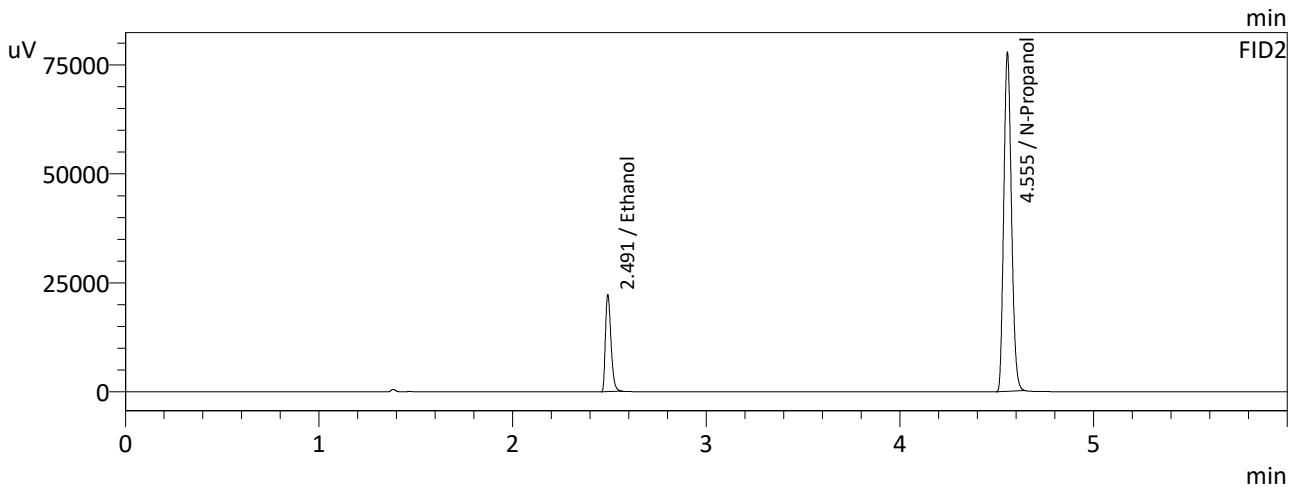
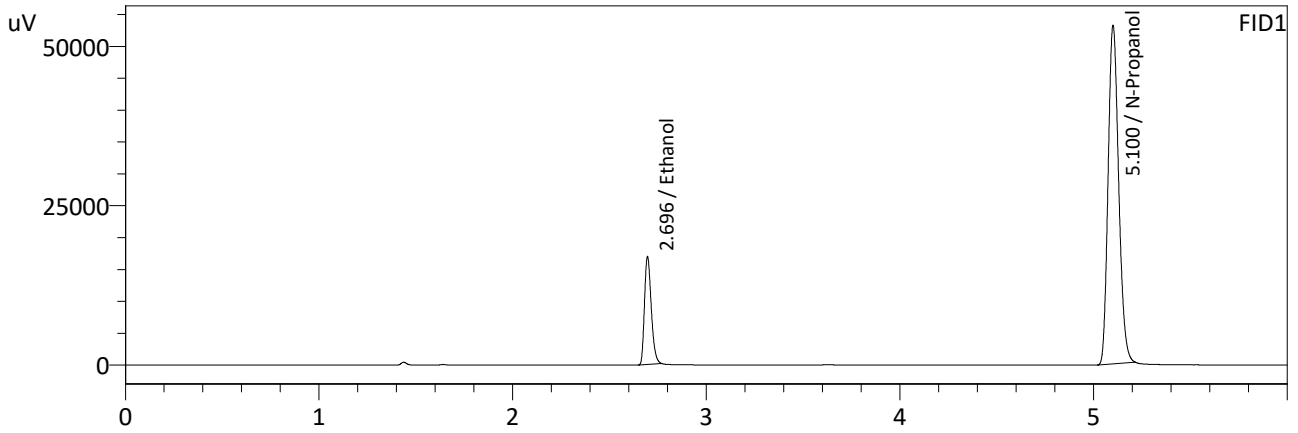
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0512	20443	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197964	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0512	21959	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211164	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 12/13/2024 2:46:51 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

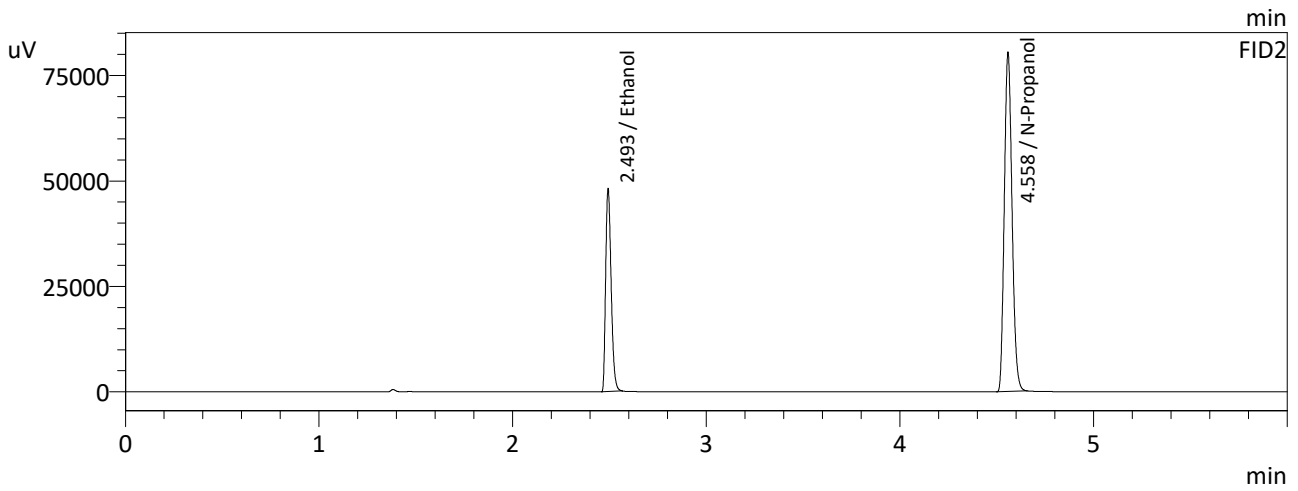
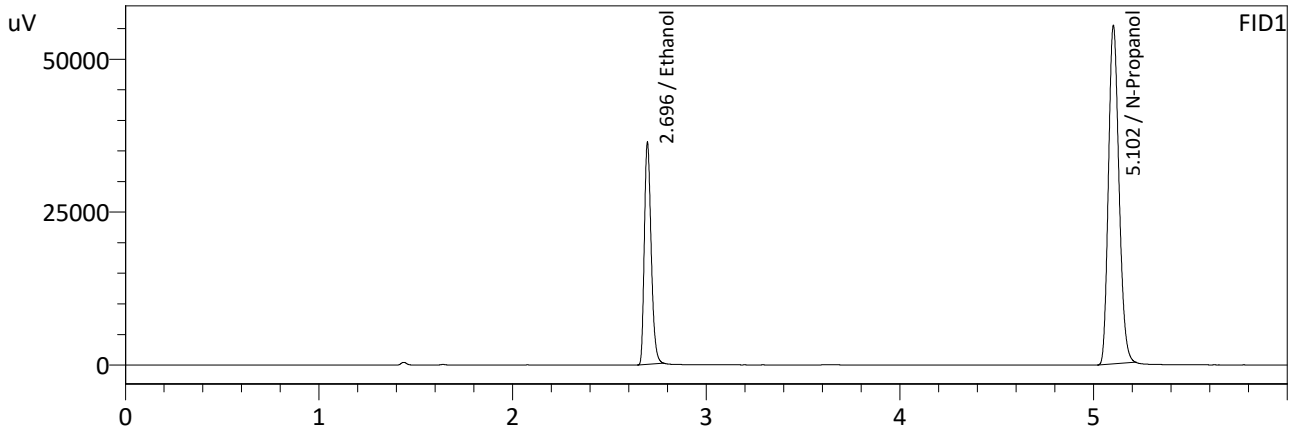
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0979	40983	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201295	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0979	43810	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214458	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 12/13/2024 2:59:03 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

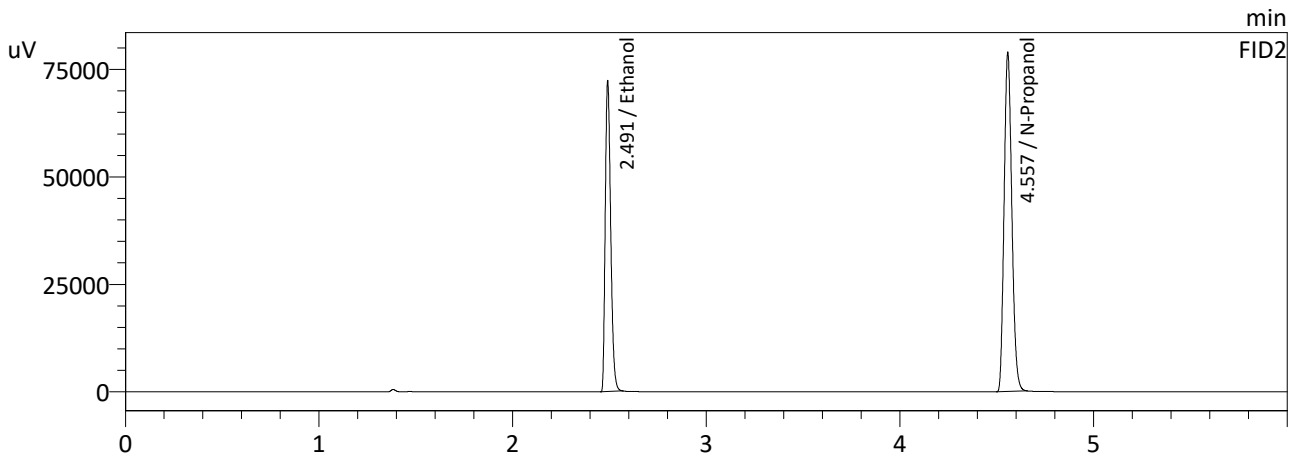
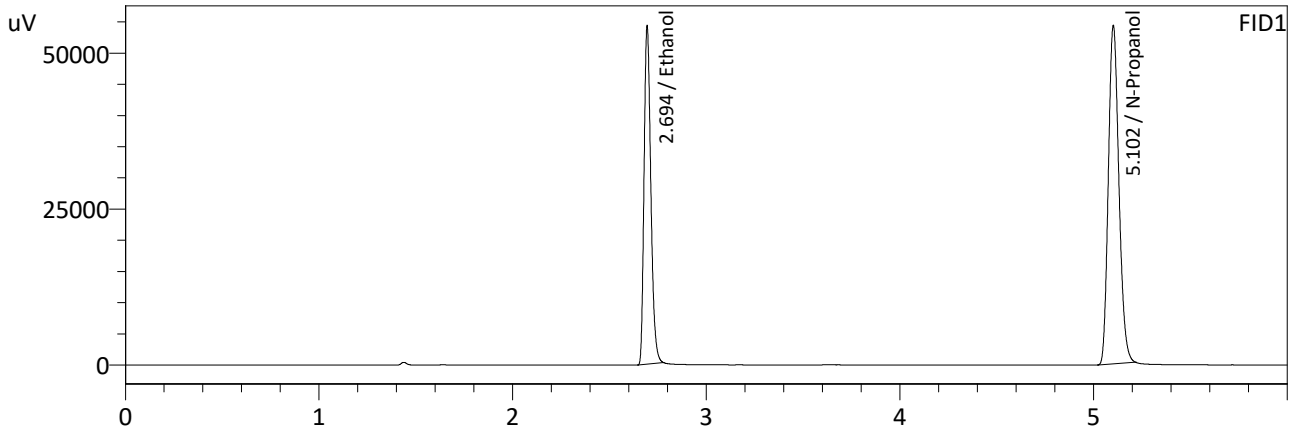
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1998	88334	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209296	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1996	94257	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222953	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 12/13/2024 3:11:27 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

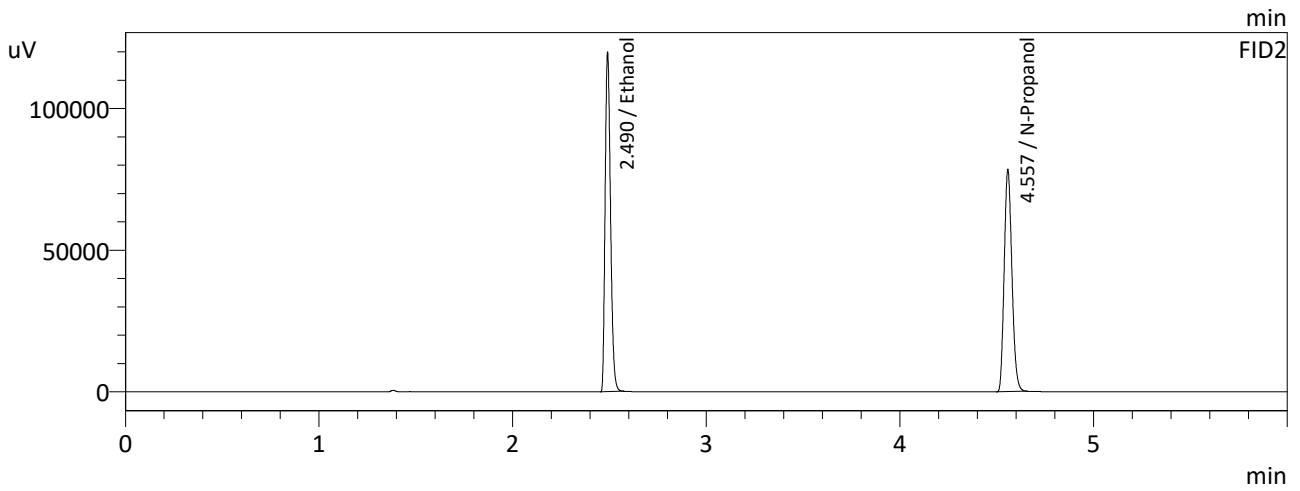
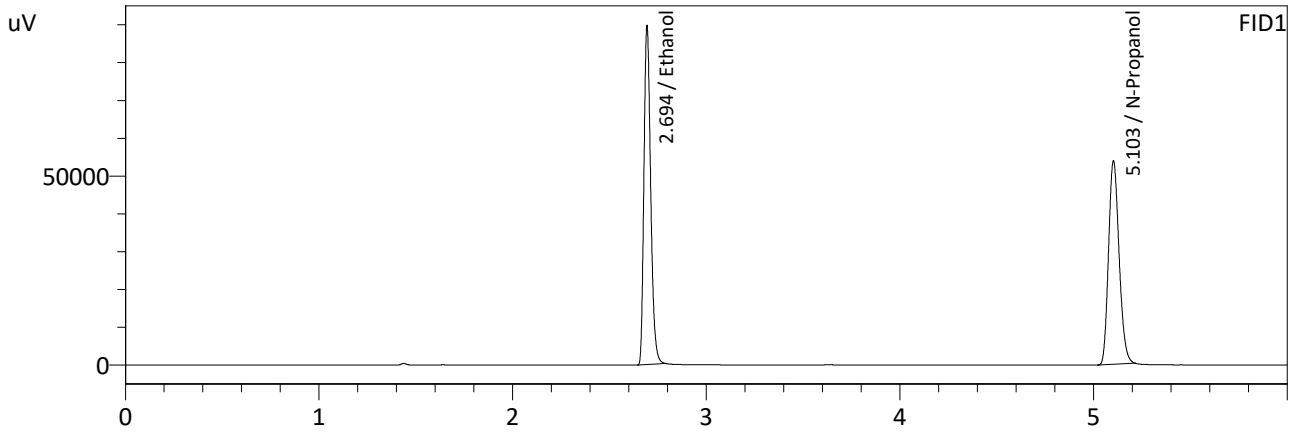
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3015	131460	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205302	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3018	140438	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218661	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 12/13/2024 3:23:36 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

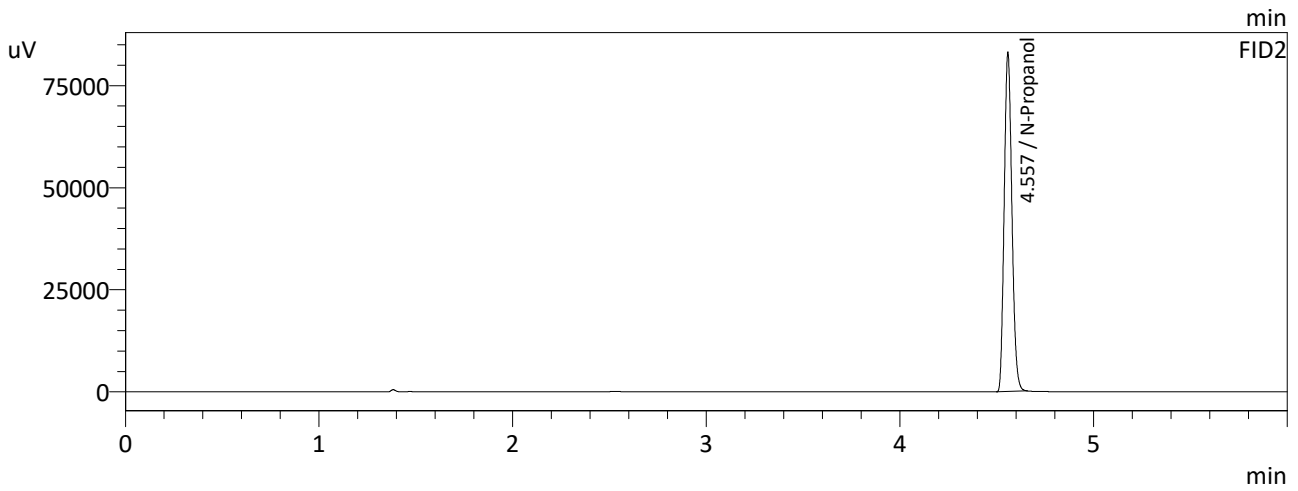
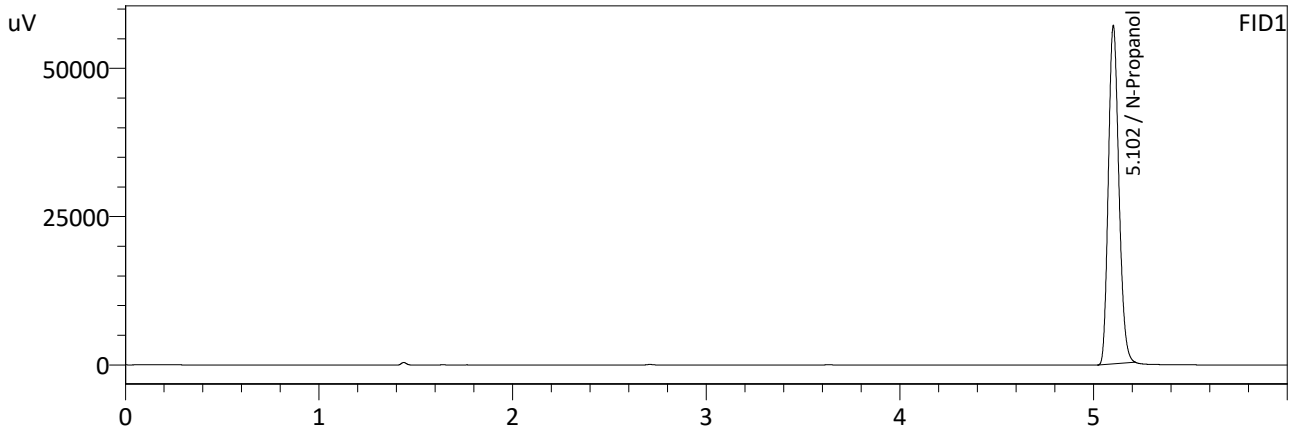
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4994	216824	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203657	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4992	231216	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216850	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 12/13/2024 3:35:52 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.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	215336	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	229374	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
Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 241213NB.GCM.gcm
2	0.100	1:Standard	2	ALCOHOL 241213NB.GCM.gcm
3	0.200	1:Standard	3	ALCOHOL 241213NB.GCM.gcm
4	0.300	1:Standard	4	ALCOHOL 241213NB.GCM.gcm
5	0.500	1:Standard	5	ALCOHOL 241213NB.GCM.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 12/13/2024 5:16:50 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0801	0.0003	0.0802	0.0029	0.0816
(g/100cc)	0.0831	0.0831	0.0000	0.0831		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241213NB.GCM.gcm

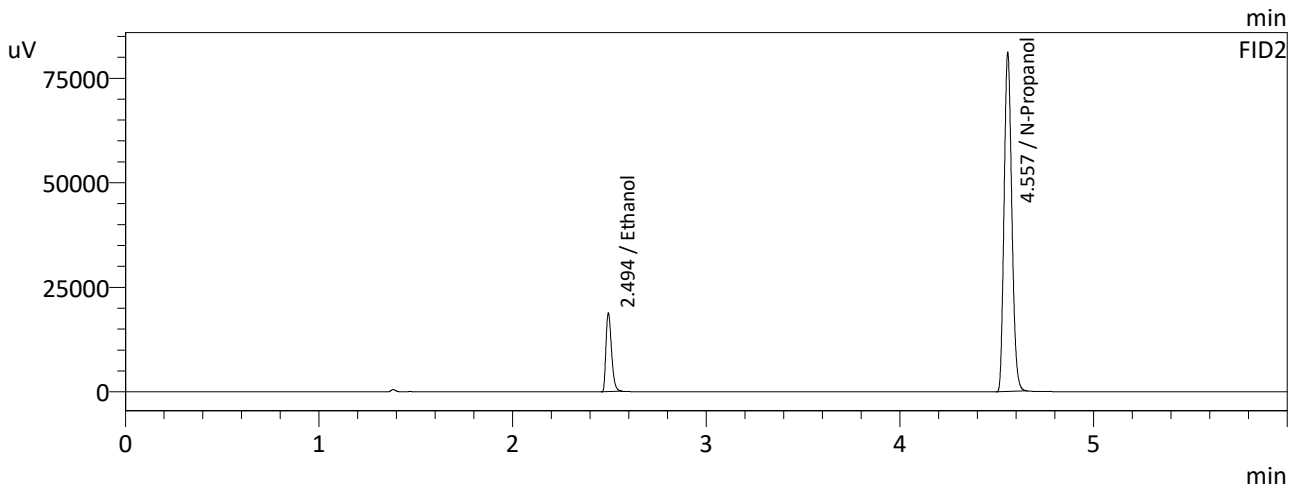
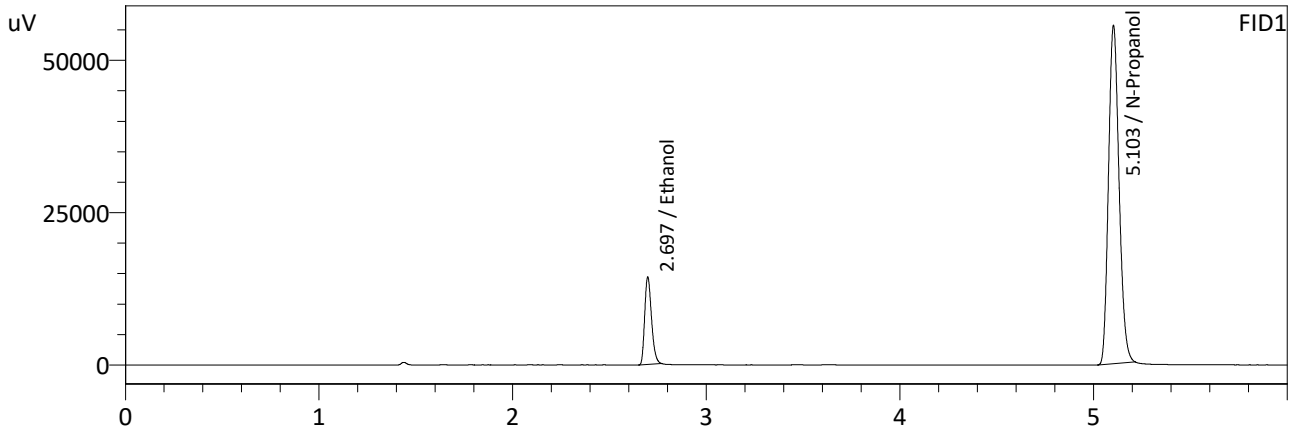
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 12/13/2024 5:16:50 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

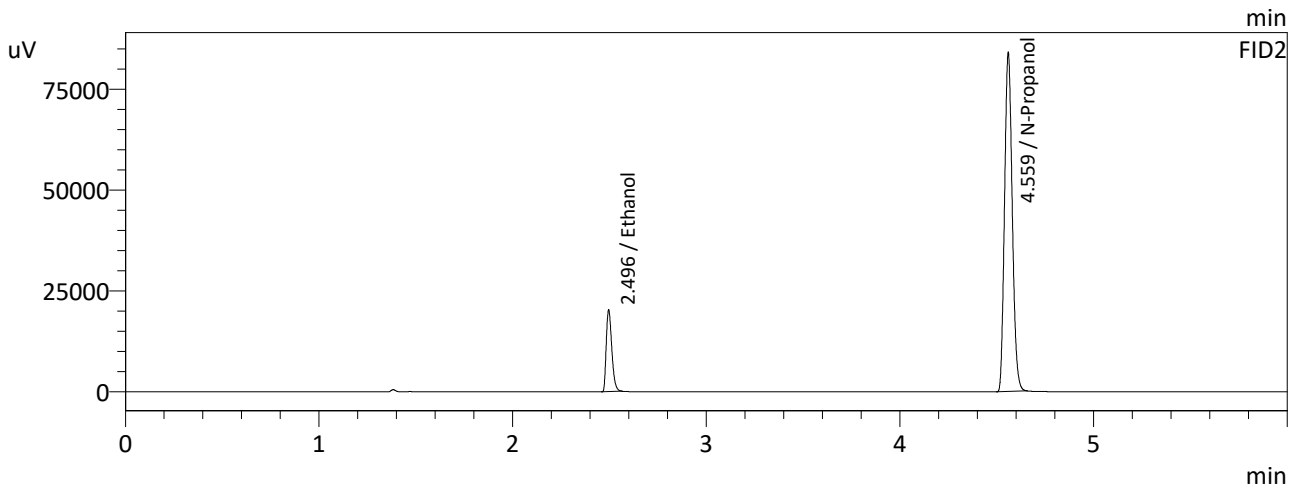
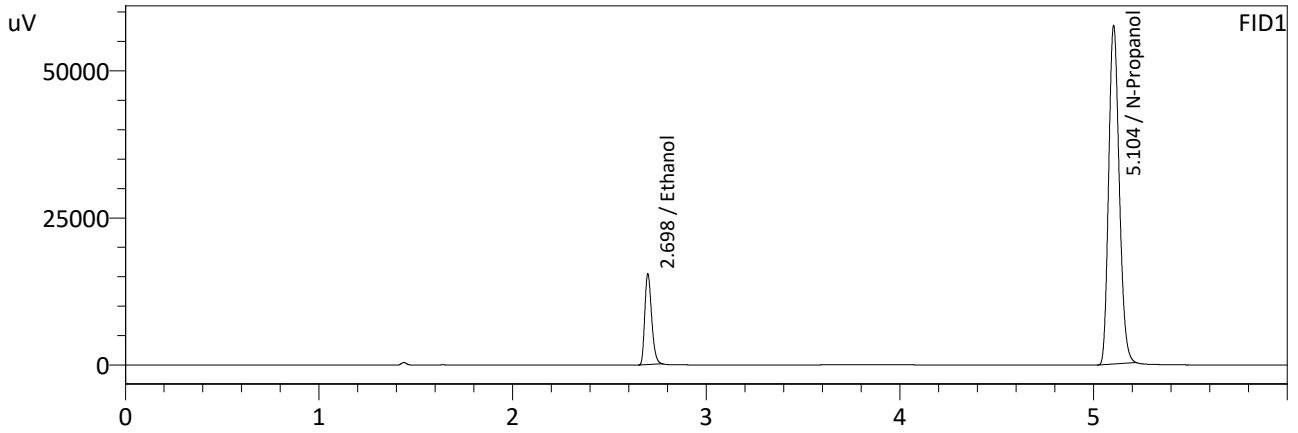
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0804	34929	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210463	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	37285	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	224547	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 12/13/2024 5:29:09 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	37579	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218678	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	40109	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232581	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1			Analysis Date(s): 12/13/2024 4:52:01 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0773	0.0770	0.0003	0.0771	0.0004	0.0773
(g/100cc)	0.0776	0.0774	0.0002	0.0775		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241213NB.GCM.gcm

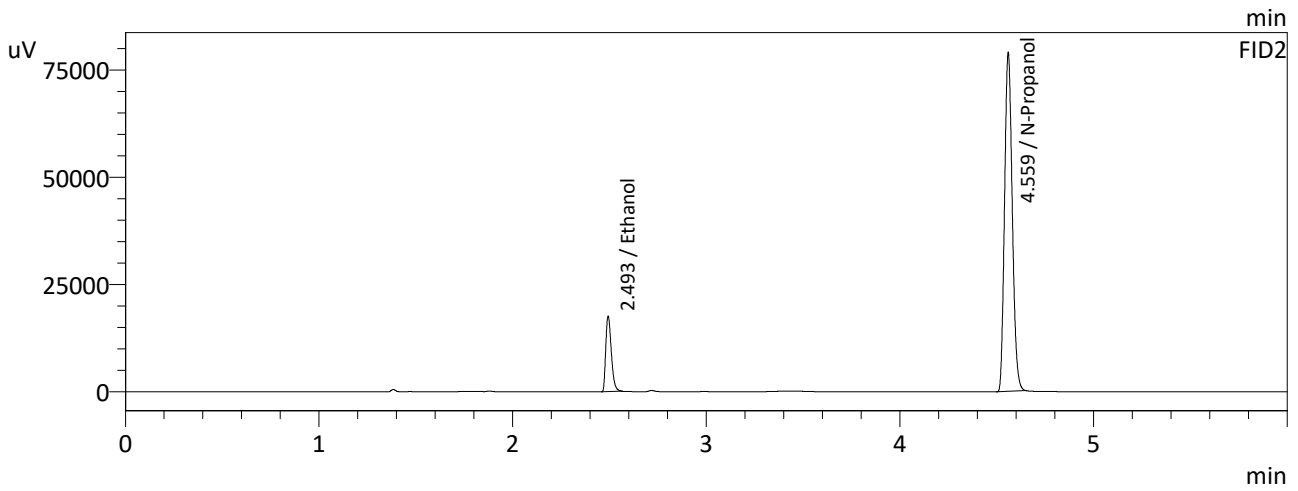
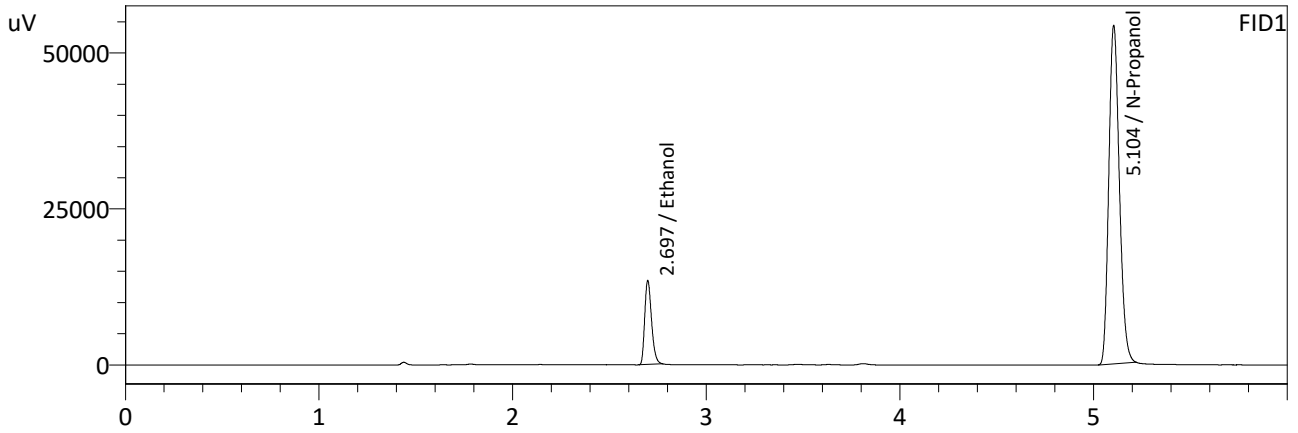
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.077	0.073	0.081	0.004

	Reported Results
	0.077

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 12/13/2024 4:52:01 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

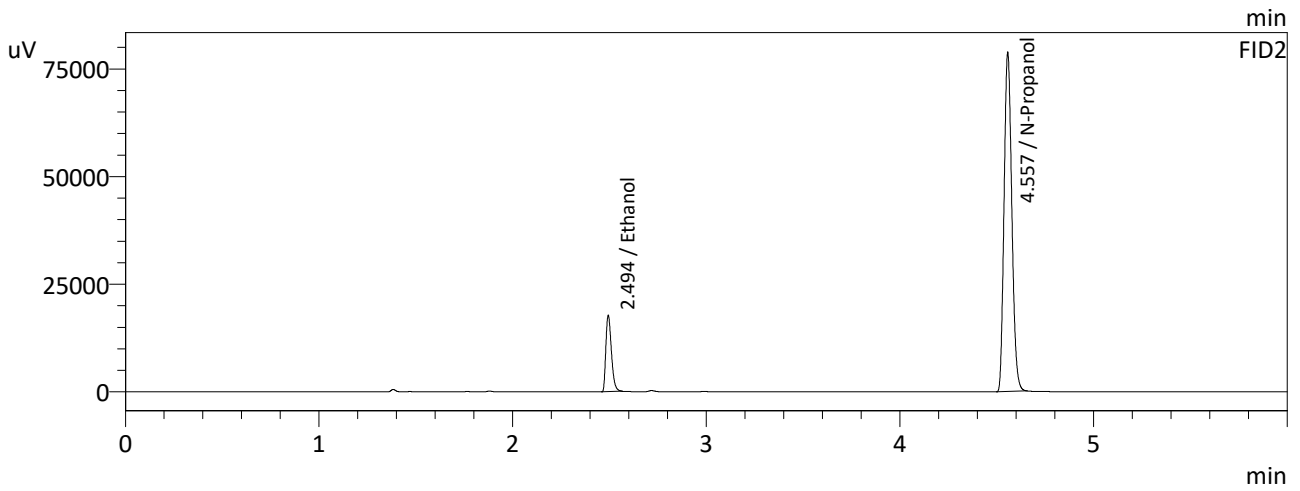
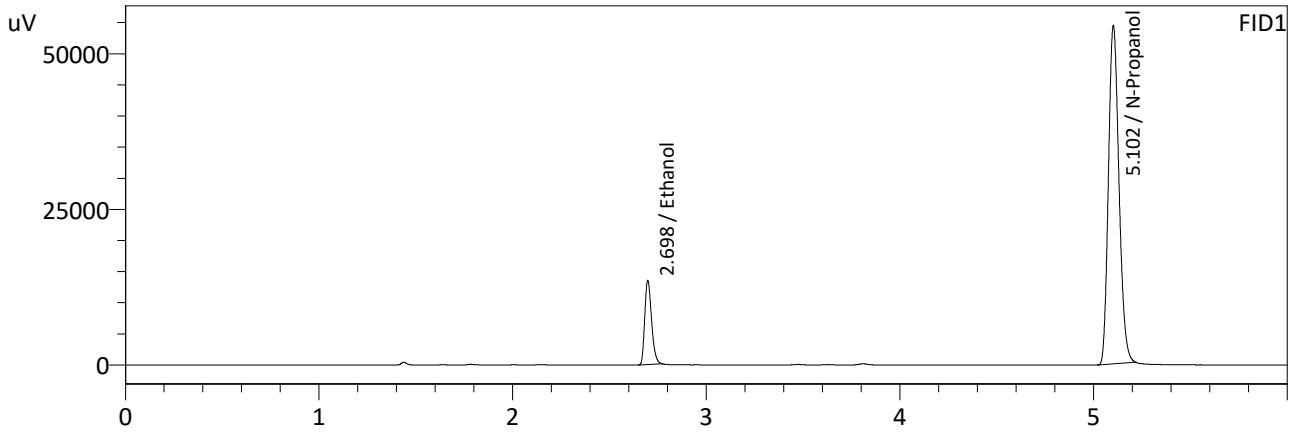
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0773	32726	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205495	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0770	34898	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219012	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 12/13/2024 5:04:24 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0776	32882	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205595	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0774	35171	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219458	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2

Analysis Date(s): 12/14/2024 1:29:59 AM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0820	0.0002	0.0821	0.0003	0.0819
(g/100cc)	0.0820	0.0817	0.0003	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241213NB.GCM.gcm

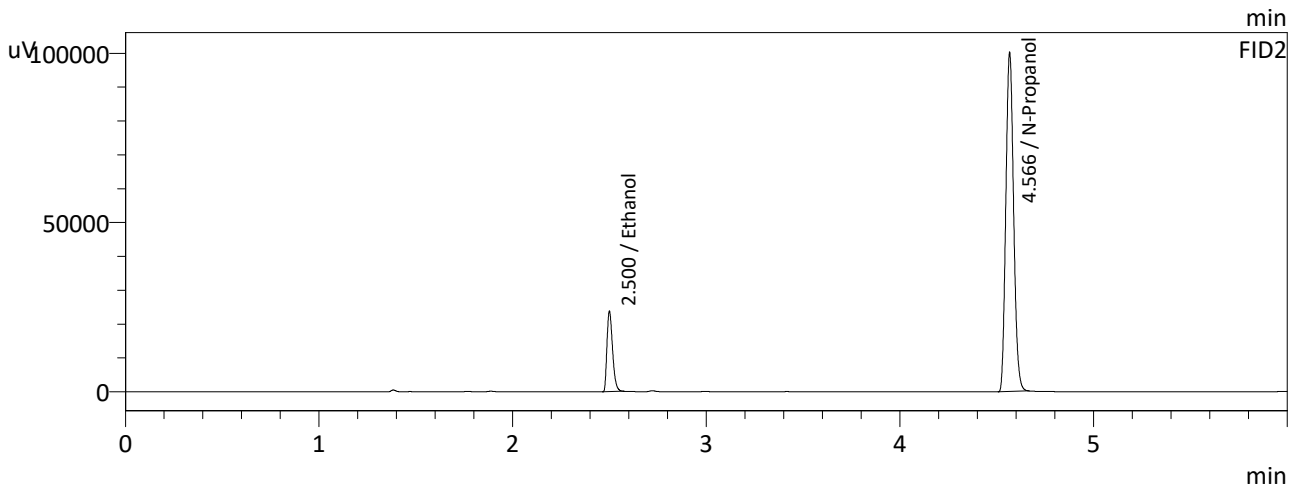
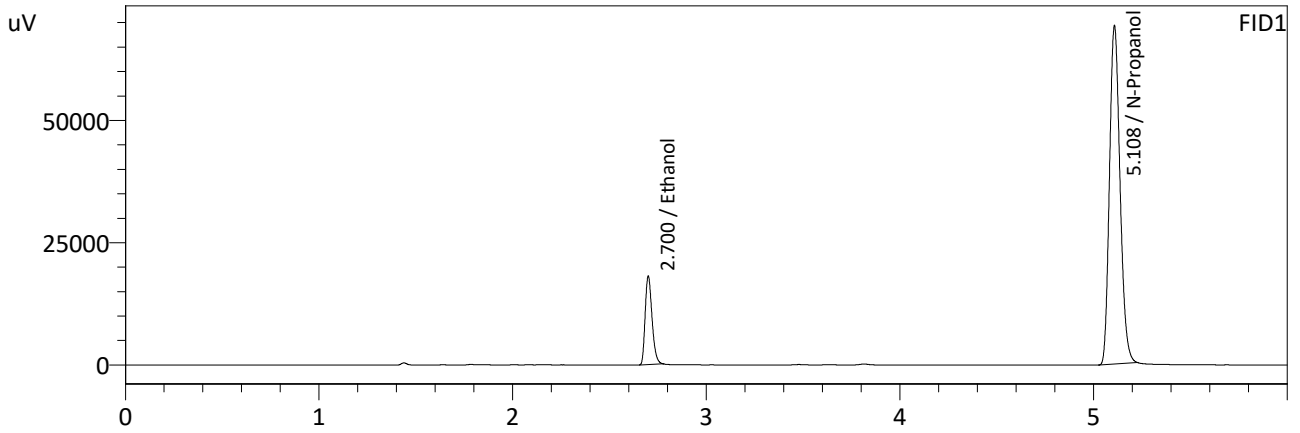
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 12/14/2024 1:29:59 AM
 Vial # : 45
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

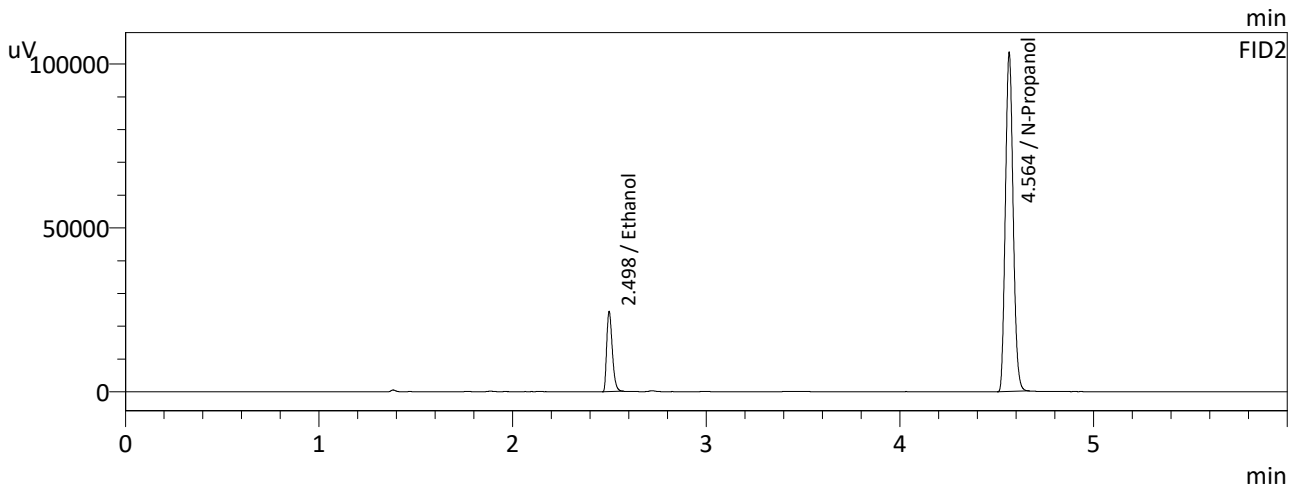
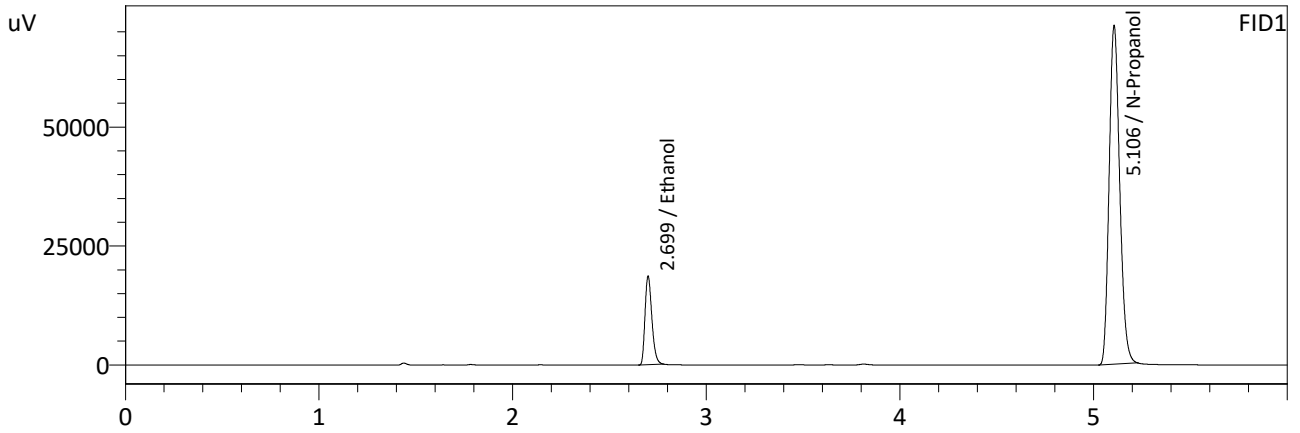
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	44388	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	261474	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	47503	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279080	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 12/14/2024 1:42:06 AM
 Vial # : 46
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	45584	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	269163	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	48702	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287098	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1		Analysis Date(s): 12/13/2024 9:23:16 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2068	0.2068	0.0000	0.2068	0.0019	0.2058
(g/100cc)	0.2048	0.2051	0.0003	0.2049		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241213NB.GCM.gcm

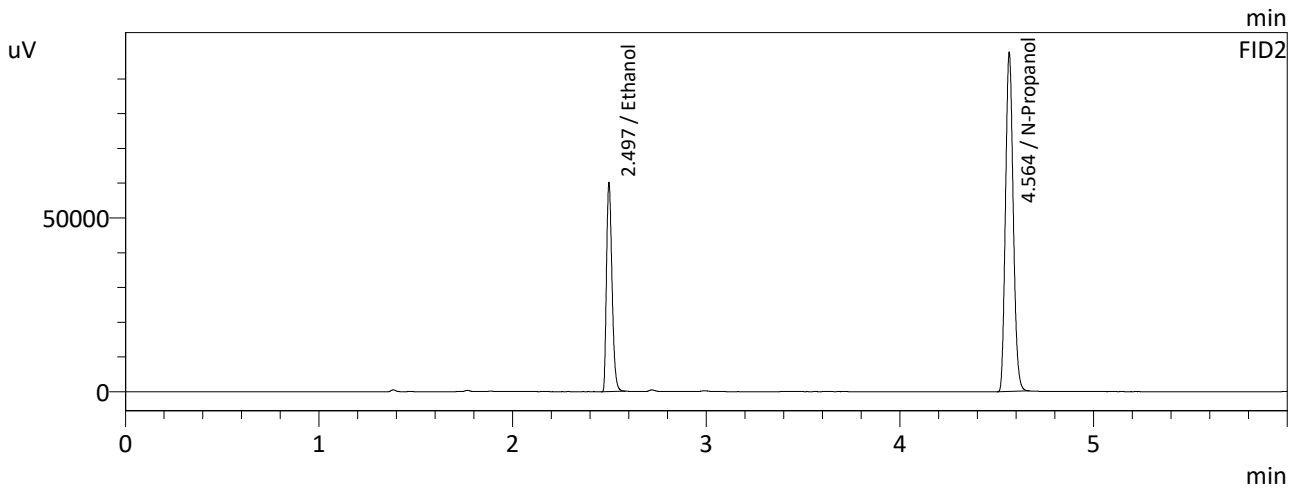
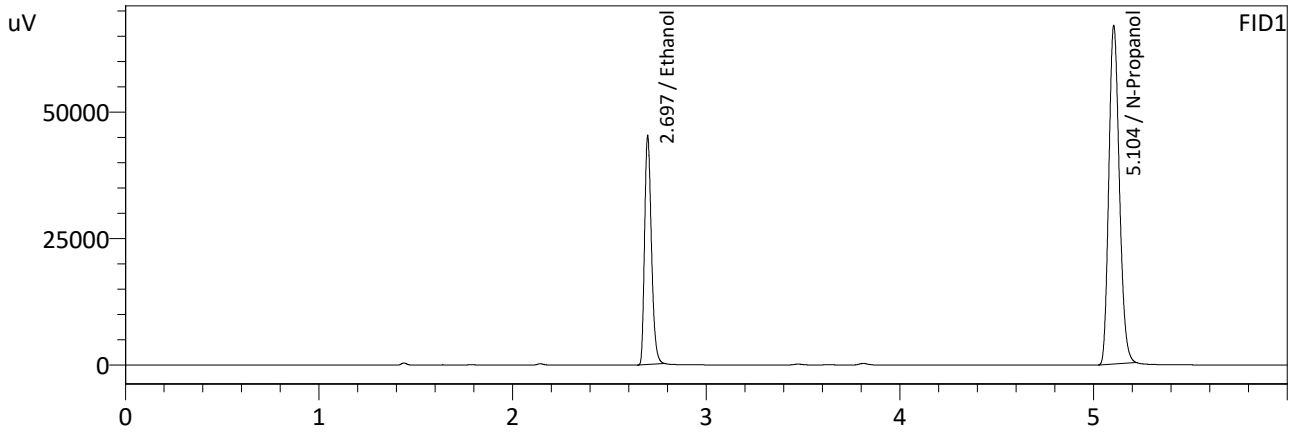
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

	Reported Results
	0.205

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 12/13/2024 9:23:16 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

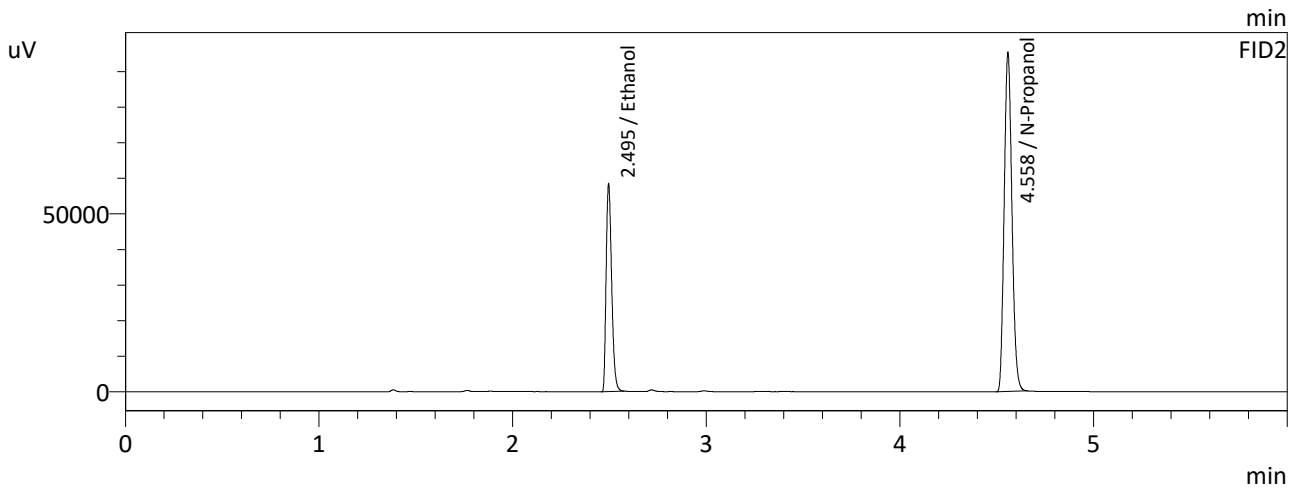
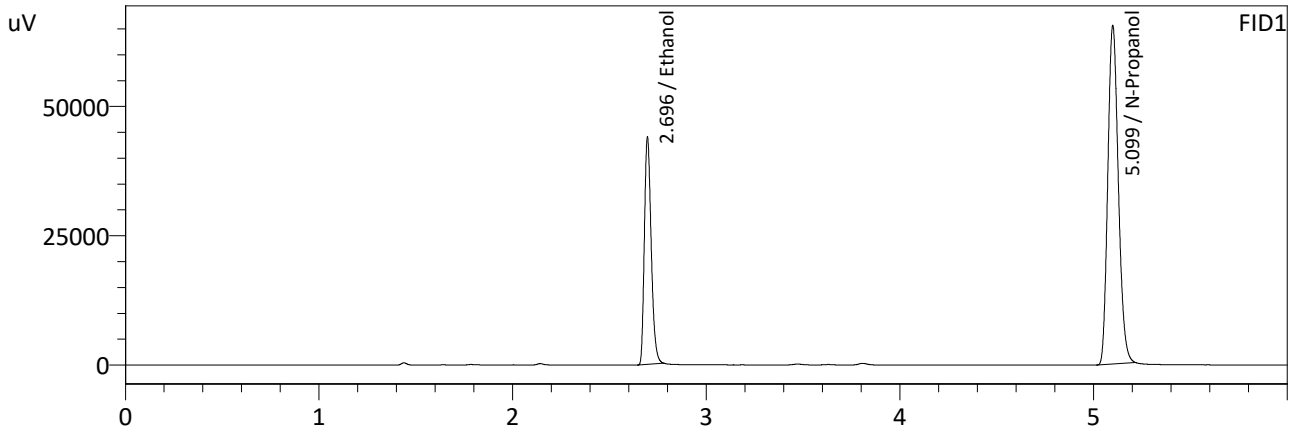
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2068	110577	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252935	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2068	118409	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	270272	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 12/13/2024 9:35:35 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2048	107177	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	247605	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2051	114965	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	264503	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2			Analysis Date(s): 12/14/2024 1:54:29 AM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2082	0.2085	0.0003	0.2083	0.0035	0.2066
(g/100cc)	0.2047	0.2050	0.0003	0.2048		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_241213NB.GCM.gcm

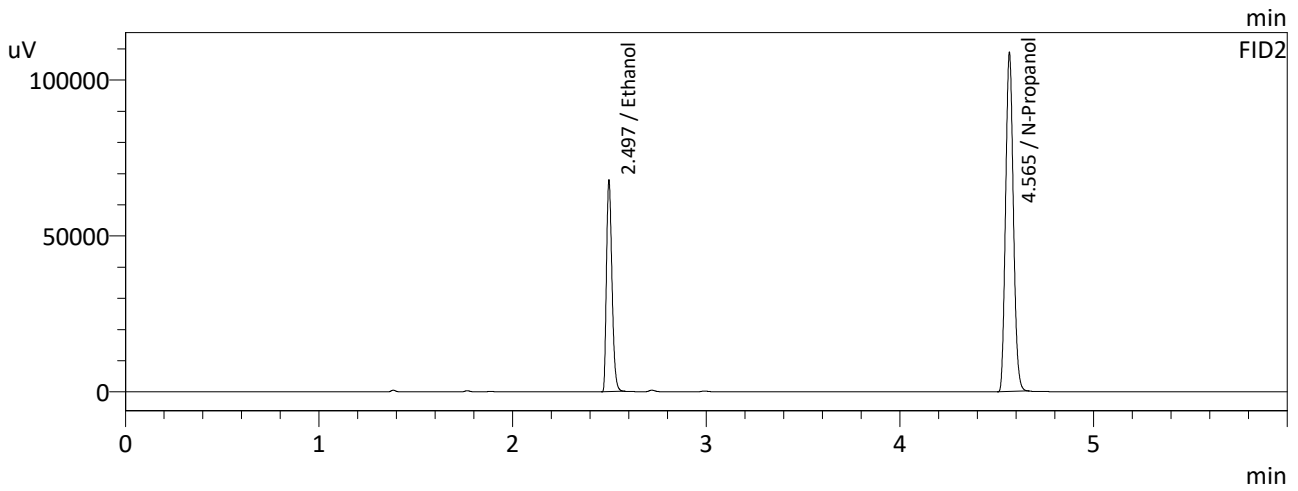
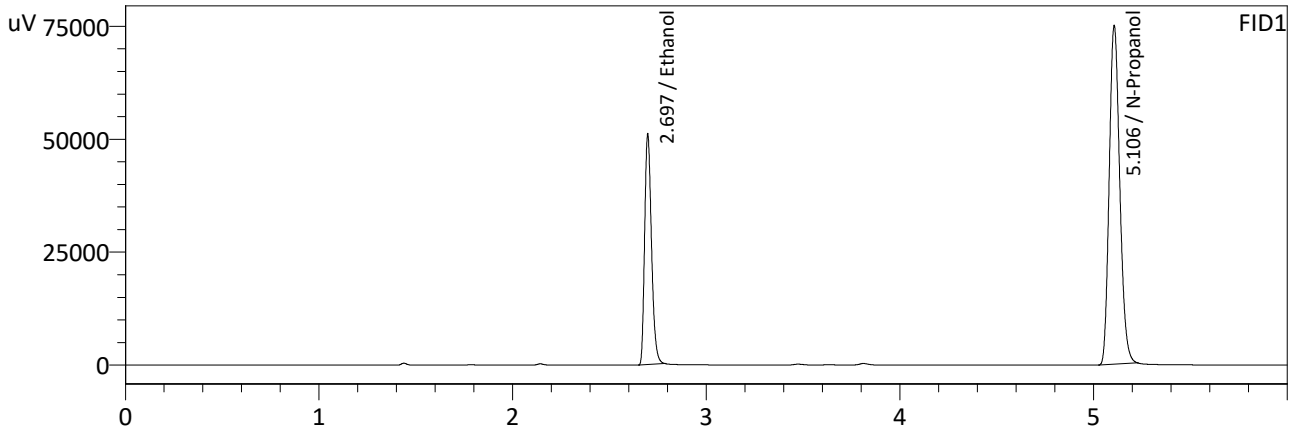
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results	
0.206	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 12/14/2024 1:54:29 AM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

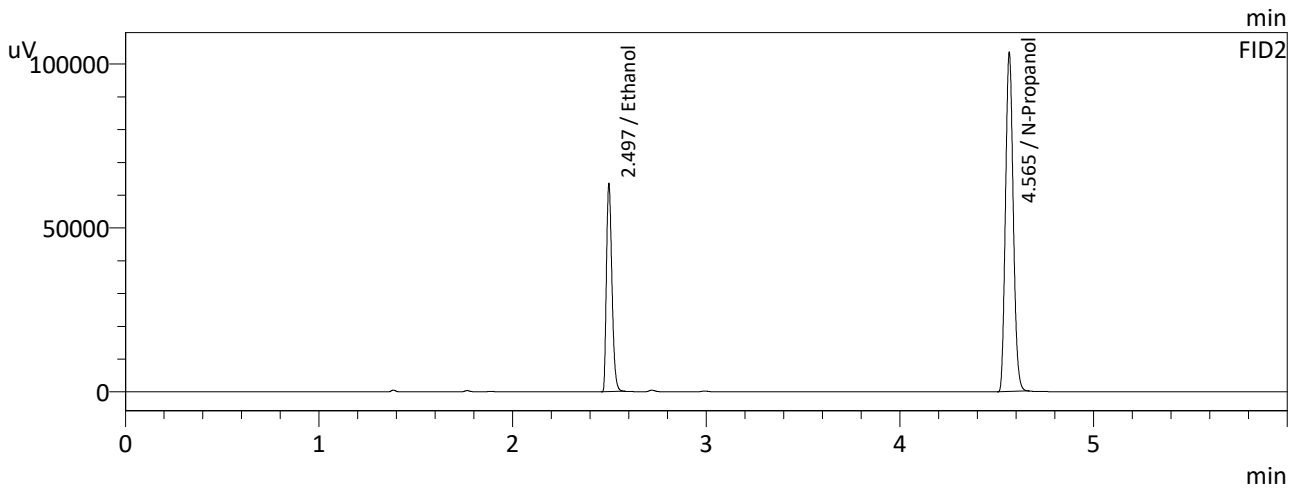
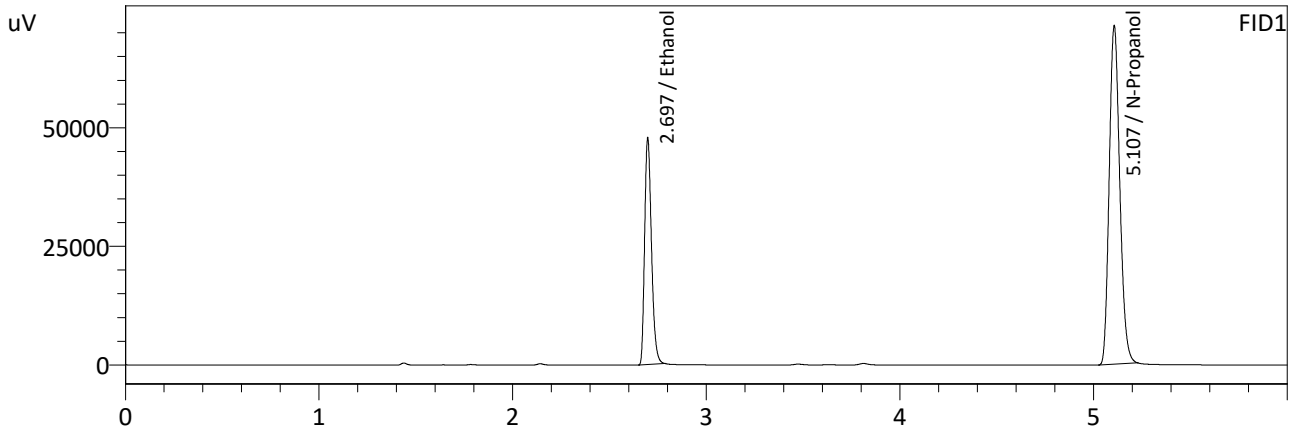
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	124809	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	283510	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2085	133612	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	302376	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 12/14/2024 2:06:57 AM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

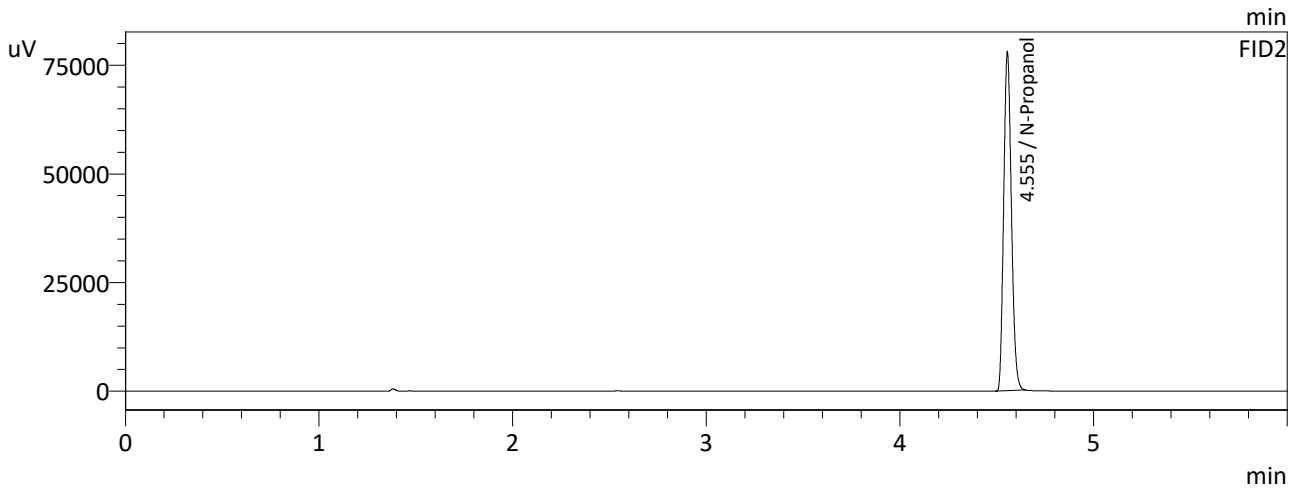
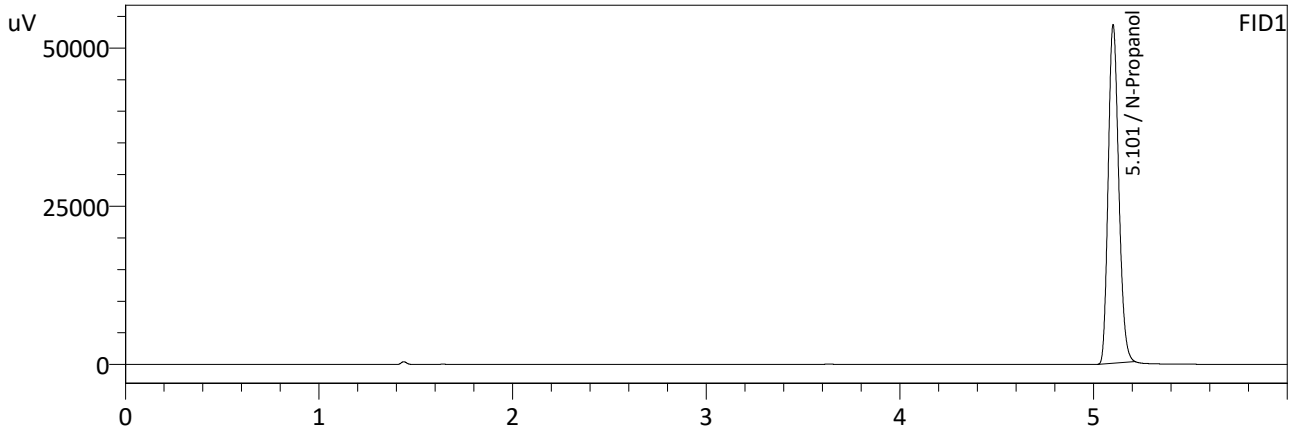
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2047	116727	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	269769	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2050	124943	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287653	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 12/13/2024 4:27:04 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.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	202400	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

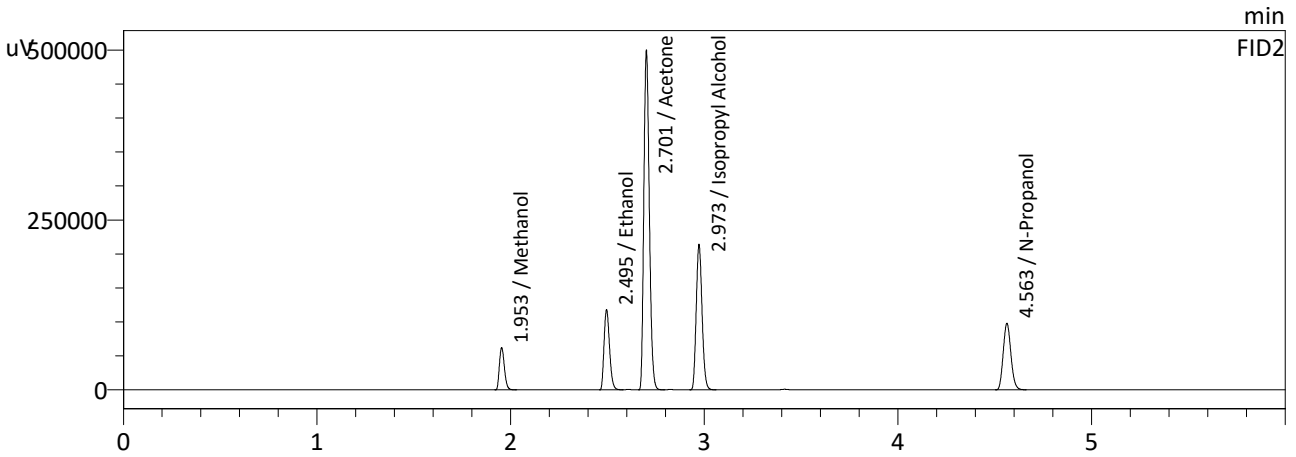
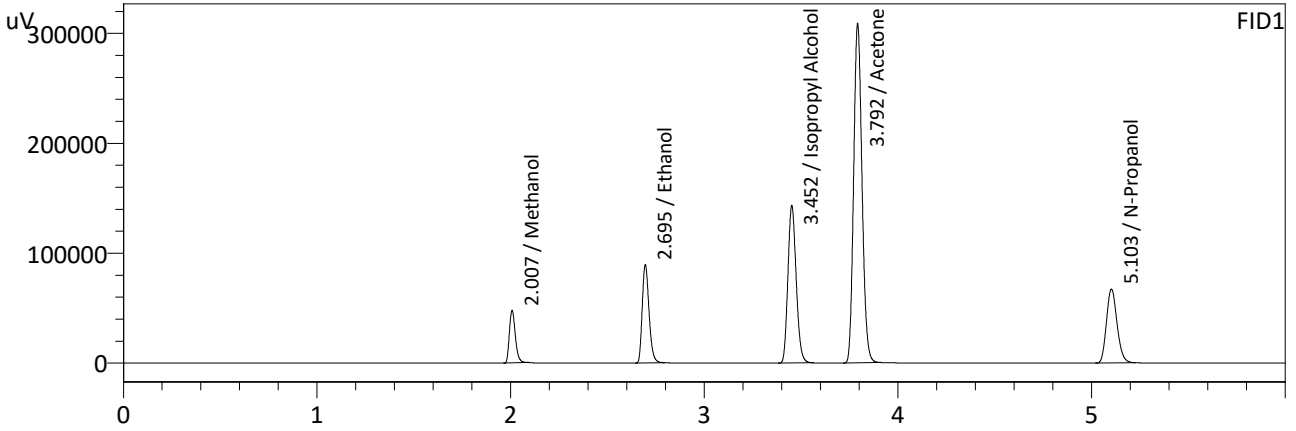
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215797	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 05302301
 Laboratory : Meridian
 Injection Date : 12/13/2024 4:39:50 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.gcm
 Instrument #GC/HS : C12255750548 / C12595800409

7 NB 12/16/24



FID1

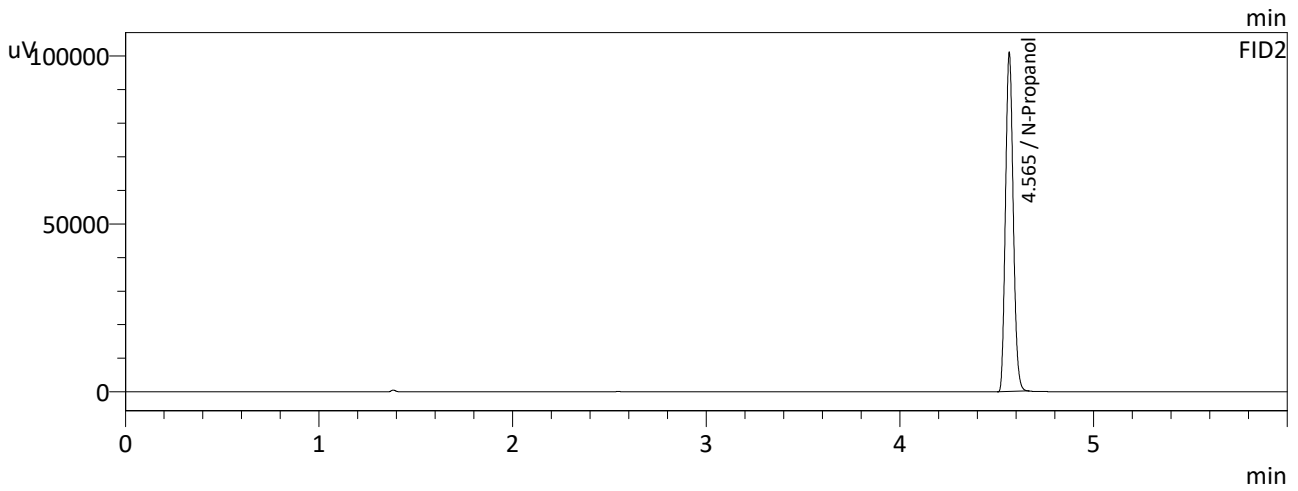
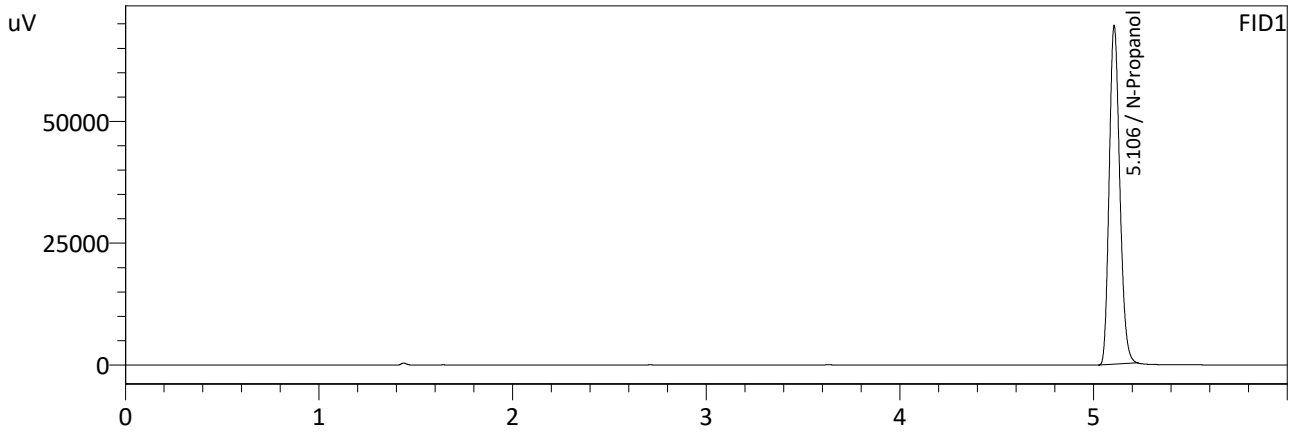
Name	Conc.	Area	Unit
Methanol	0.0000	101721	g/100cc
Ethanol	0.4021	217634	g/100cc
Isopropyl Alcohol	0.0000	424900	g/100cc
Acetone	0.0000	925401	g/100cc
N-Propanol	0.0000	254228	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	111569	g/100cc
Ethanol	0.4031	231898	g/100cc
Acetone	0.0000	983441	g/100cc
Isopropyl Alcohol	0.0000	447538	g/100cc
N-Propanol	0.0000	269758	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 12/14/2024 2:19:00 AM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_241213NB.GCM.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	262938	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	280307	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
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Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
2	ED VOLATILES FN 0530	0:Unknown	1	ALCOHOL 241213NB.GCM.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
7	M2024-5175-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
8	M2024-5175-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
9	M2024-5180-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
10	M2024-5180-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
11	M2024-5181-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
12	M2024-5181-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
13	M2024-5182-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
14	M2024-5182-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
15	M2024-5183-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
16	M2024-5183-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
17	M2024-5207-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
18	M2024-5207-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
19	M2024-5208-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
20	M2024-5208-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
21	M2024-5209-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
22	M2024-5209-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
23	M2024-5222-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
24	M2024-5222-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
27	M2024-5230-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
28	M2024-5230-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
29	M2024-5253-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
30	M2024-5253-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
31	M2024-5258-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
32	M2024-5258-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
33	M2024-5259-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
34	M2024-5259-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
35	M2024-5262-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
36	M2024-5262-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
37	M2024-5287-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
38	M2024-5287-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
39	M2024-5289-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
40	M2024-5289-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
41	M2024-5300-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
42	M2024-5300-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
43	M2024-5305-1	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
44	M2024-5305-1-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
45	QC-1-2	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
46	QC-1-2-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
47	QC-2-2	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
48	QC-2-2-B	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm
49	ISTD BLK 2	0:Unknown	0	ALCOHOL 241213NB.GCM.gcm

NB