



Worklist: 6592

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-5108	1	BCK	Alcohol Analysis	
M2023-5109	1	BCK	Alcohol Analysis	
M2023-5110	1	BCK	Alcohol Analysis	
M2023-5123	1	BCK	Alcohol Analysis	
M2023-5124	1	BCK	Alcohol Analysis	
M2023-5142	1	BCK	Alcohol Analysis	
M2023-5143	1	BCK	Alcohol Analysis	
M2023-5155	1	BCK	Alcohol Analysis	
M2023-5156	2	BCK	Alcohol Analysis	
M2023-5157	1	BCK	Alcohol Analysis	
M2023-5158	1	BCK	Alcohol Analysis	
M2023-5169	1	BCK	Alcohol Analysis	
M2023-5170	3	BCK	Alcohol Analysis	
M2023-5181	1	BCK	Alcohol Analysis	
M2023-5187	1	BCK	Alcohol Analysis	
M2023-5189	1	BCK	Alcohol Analysis	
M2023-5190	1	BCK	Alcohol Analysis	
M2023-5205	1	BCK	Alcohol Analysis	
M2023-5214	1	BCK	Alcohol Analysis	

NB

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):

12/6/23

Calibration Date: 12/6/23

Worklist #:

6592

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0801 g/100cc	
					0.0827 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2086 g/100cc	
					0.2077 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99989	Column2	0.99986

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0516	0.0519	0.0003	0.0517
100	0.100	0.090 - 0.110	0.1006	0.1007	0.0001	0.1006
200	0.200	0.180 - 0.220	0.1980	0.1975	0.0005	0.1977
300	0.300	0.270 - 0.330	0.2978	0.2979	1E-04	0.2978
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5018	1E-04	0.5017

Aqueous Controls

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

NB

REVIEWED

By Rachel Cutler at 3:43 pm, Dec 07, 2023

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6592	Run Date(s):	12/6/23
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NB 1/24/24

12/5/23

6/5/24

REVISED
9:11 am, Jan 24, 2024

NB

Internal Standard Solution:	Prep Date:	6/5/2023	Exp Date:	12/5/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	187788	203279
0.080	184389	199827
QC1	184448	199526
QC1	186287	201613
QC1	226901	246051
QC1	225798	244643
QC1		
QC1		
QC2	204778	221805
QC2	219193	237449
QC2	220800	239264
QC2	231626	251416
QC2		
QC2		

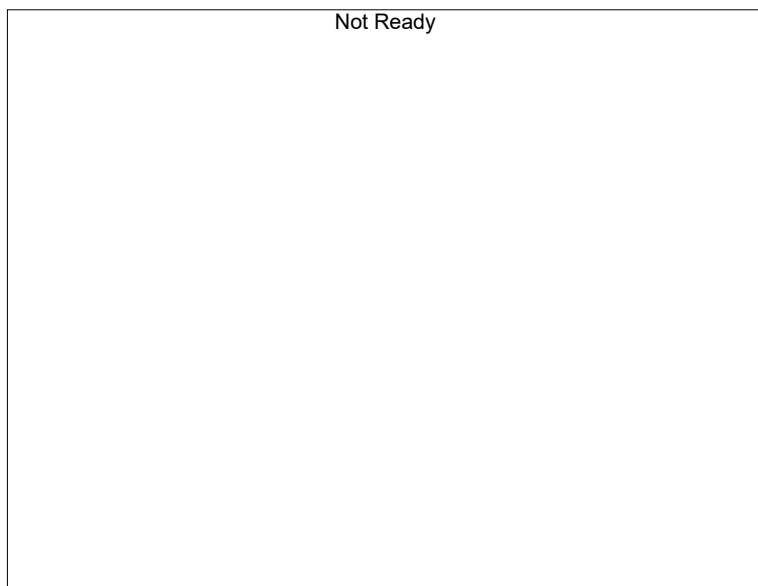
	Average	(-)20%	(+)20%
Column 1	207200.8	165760.6	248641.0
Column 2	224487.3	179589.8	269384.8

NB

Calibration Table

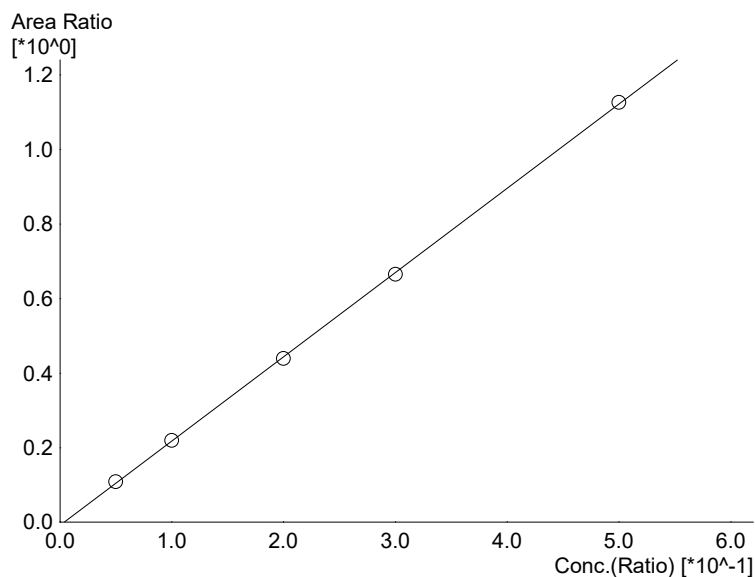
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File :Default Project - ALCOHOL_231206NB.gcm
 Date Created :12/6/2023 12:32:16 PM
 Date Modified :12/7/2023 8:41:24 AM



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

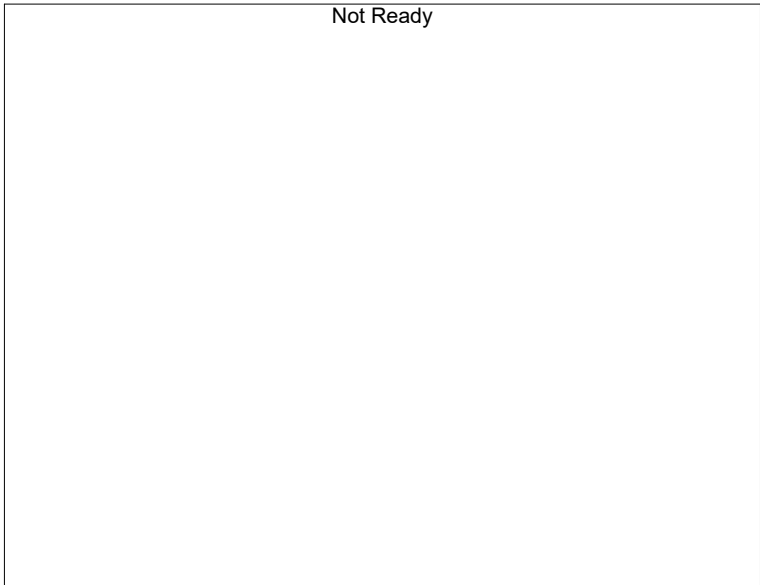
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.26114*x-0.00856486$
 R² value= 0.9998873
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19828	0.0516
2	0.100	40345	0.1006
3	0.200	78856	0.1980
4	0.300	119877	0.2978
5	0.500	215502	0.5017

NB



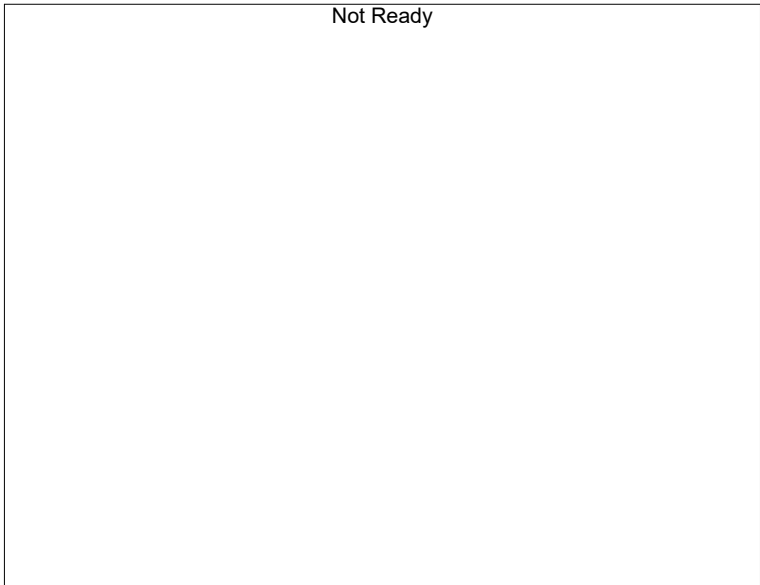
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

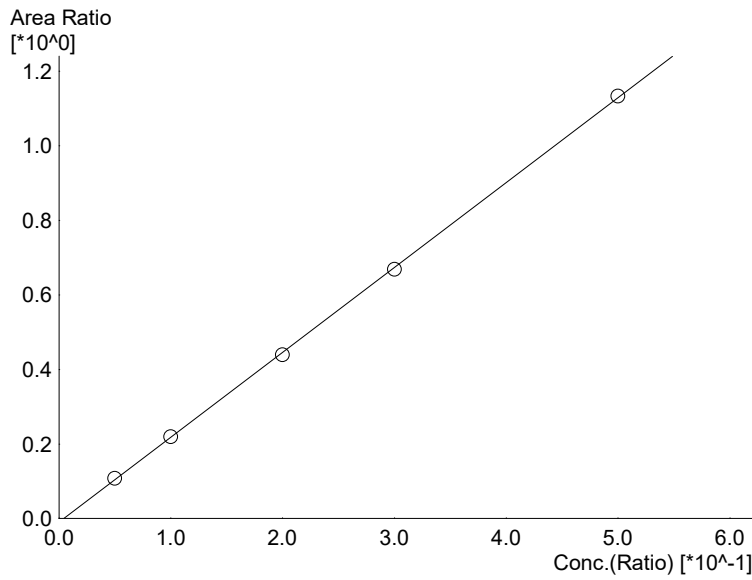
#	Conc.	Area	Std. Conc.
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NB



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 : $f(x)=2.27785*x-0.0102386$
 R² value= 0.9998592
 FitType: Linear
 ZeroThrough: Not Through

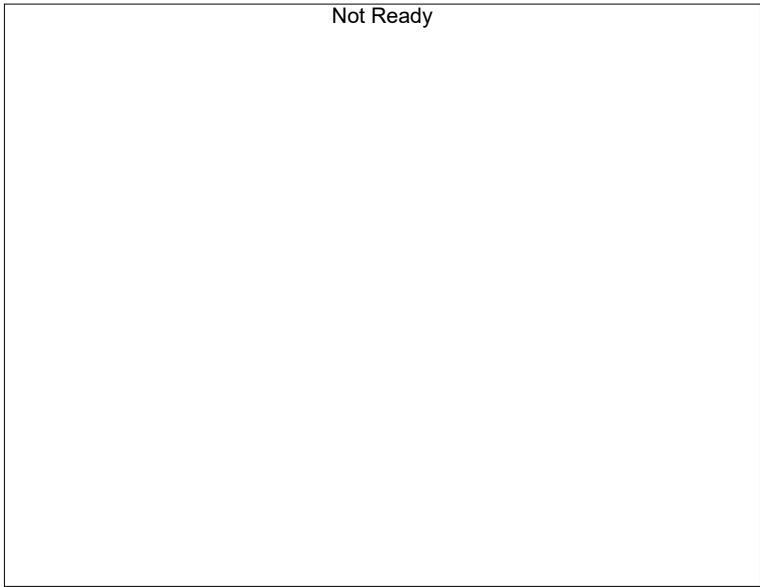
#	Conc.	Area	Std. Conc.
1	0.050	21393	0.0519
2	0.100	43665	0.1007
3	0.200	85378	0.1975
4	0.300	130316	0.2979
5	0.500	234639	0.5018



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

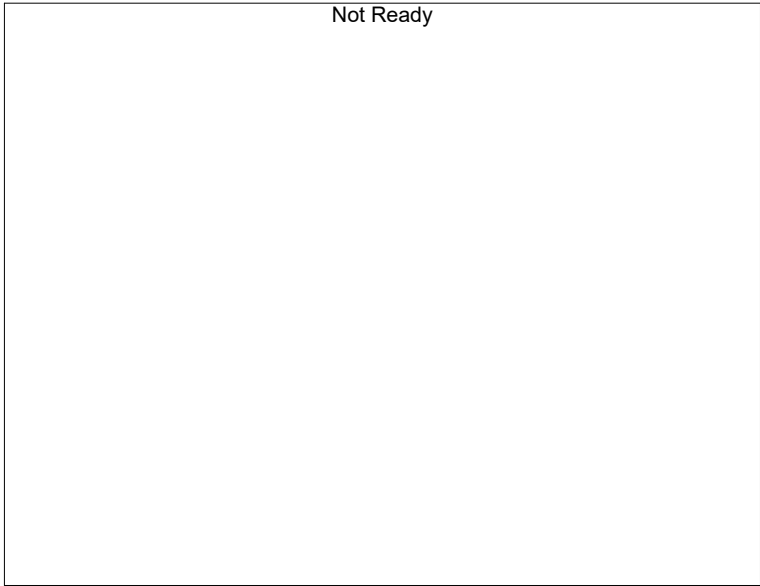
#	Conc.	Area	Std. Conc.
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NB



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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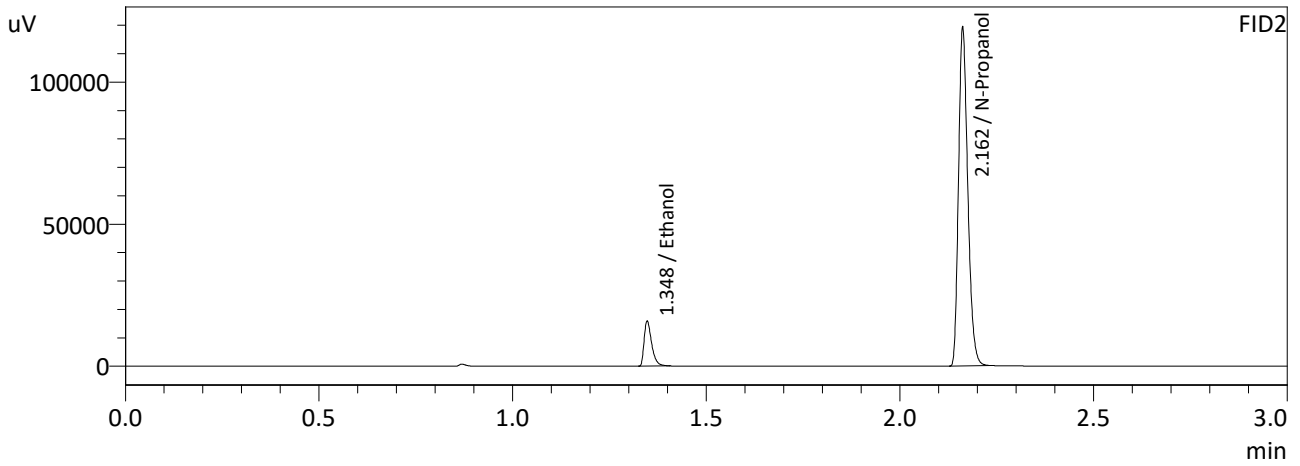
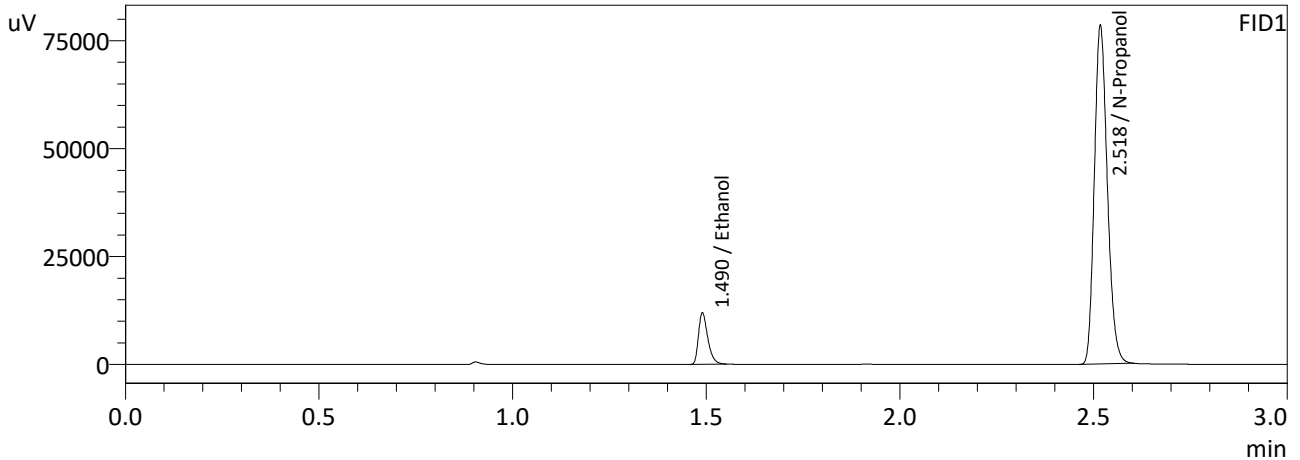


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 12/6/2023 3:54:10 PM
 Vial # : 73
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

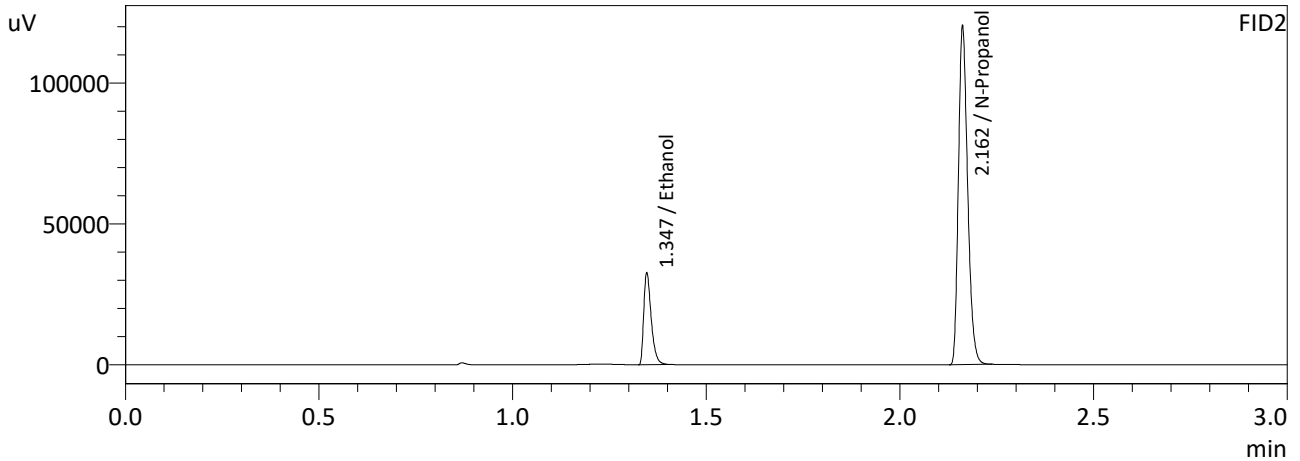
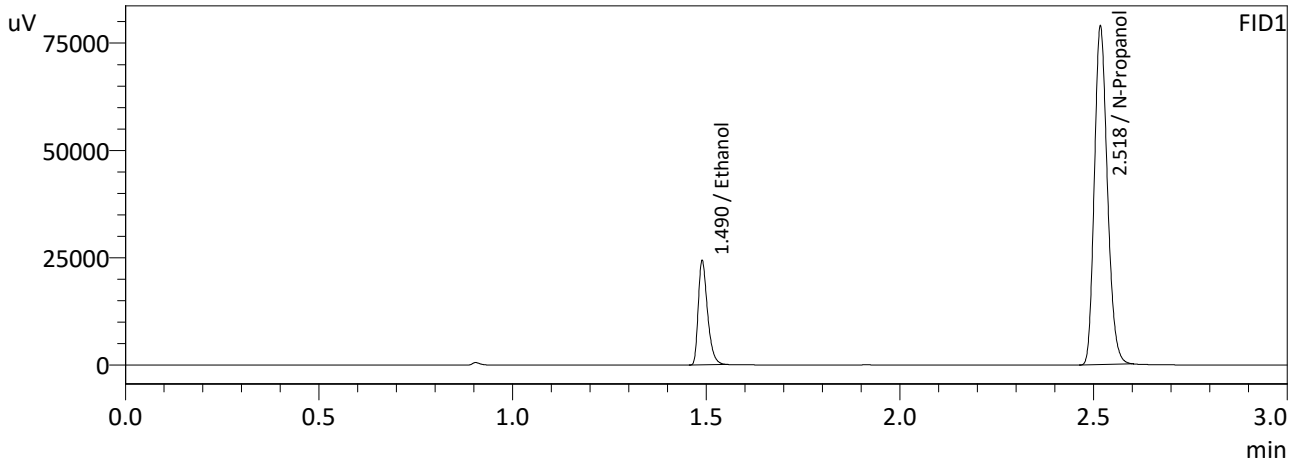
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0516	19828	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183172	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0519	21393	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198009	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:01:37 PM
 Vial # : 74
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

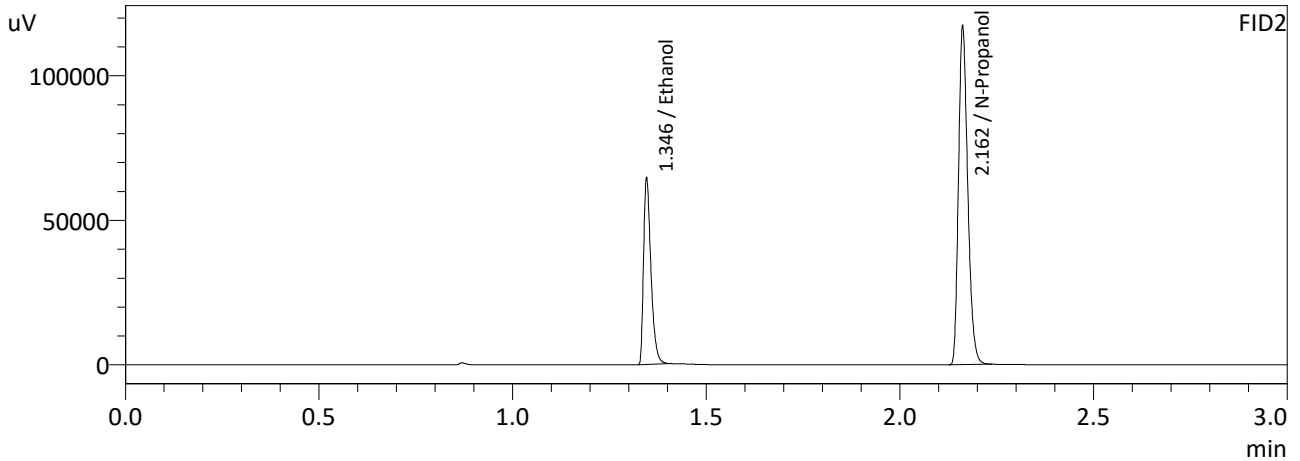
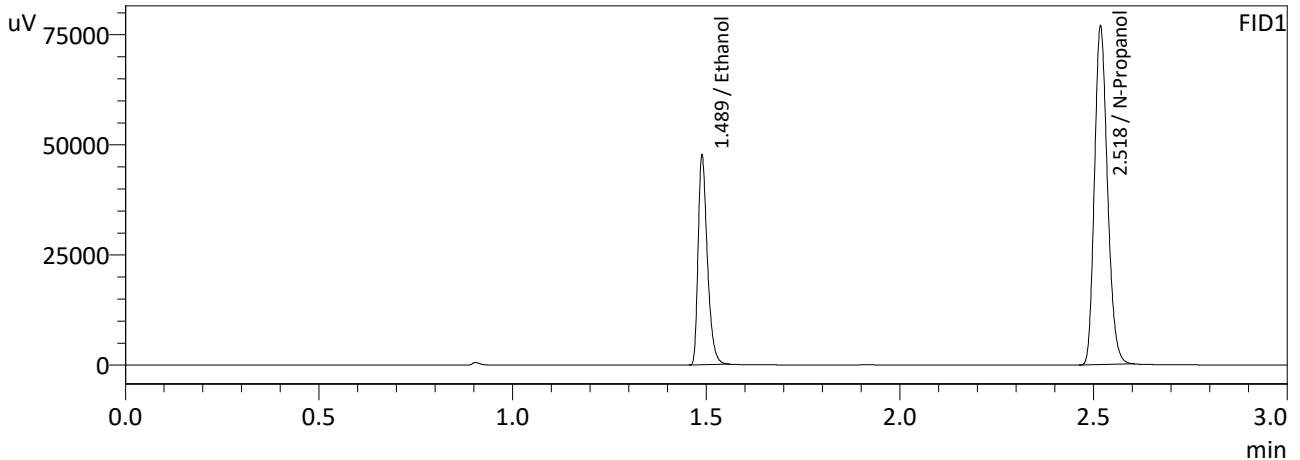
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1006	40345	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184228	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1007	43665	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199227	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:08:52 PM
 Vial # : 75
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

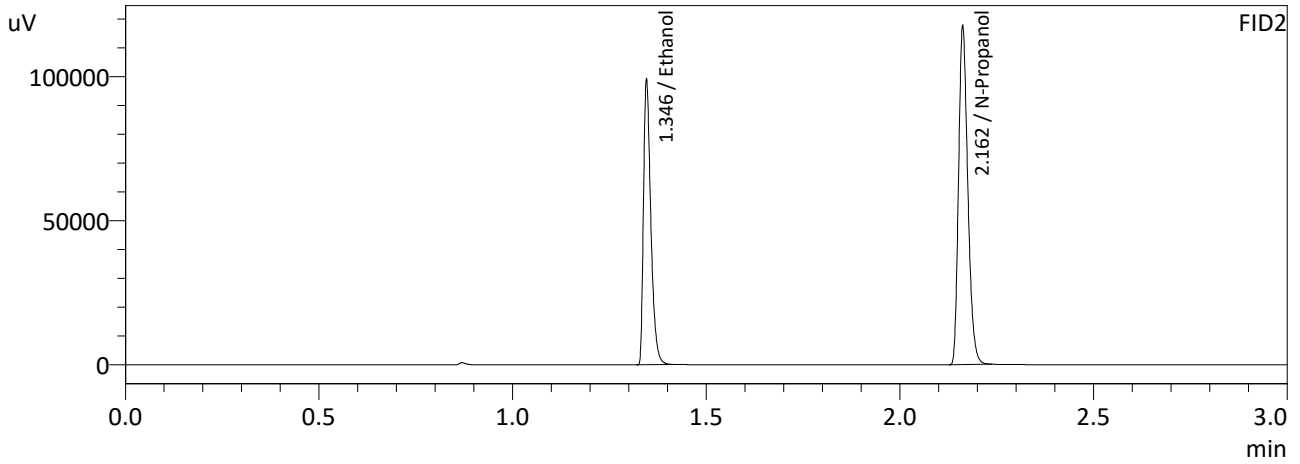
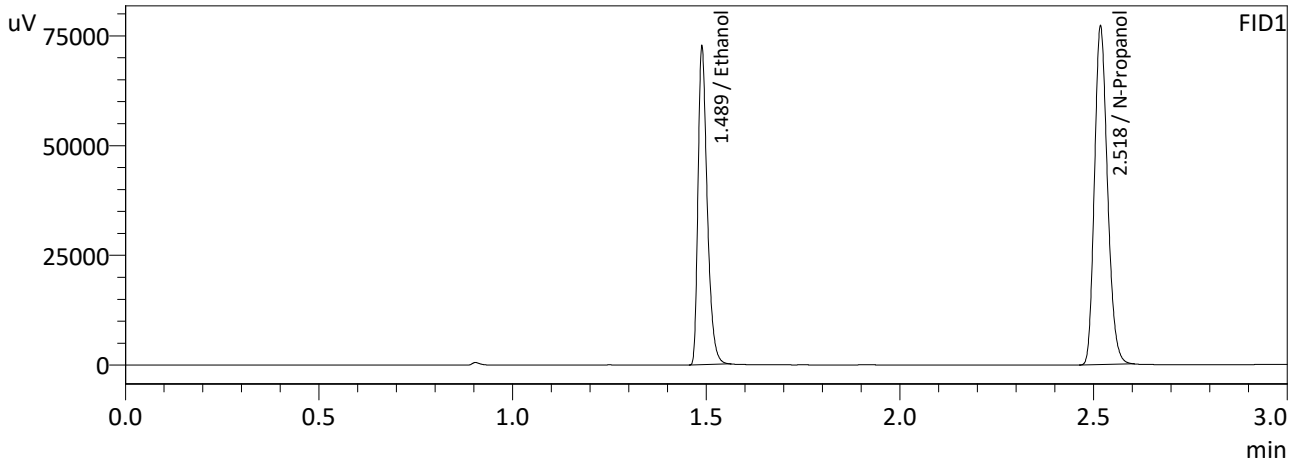
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1980	78856	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179511	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	85378	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194195	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:17:44 PM
 Vial # : 76
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

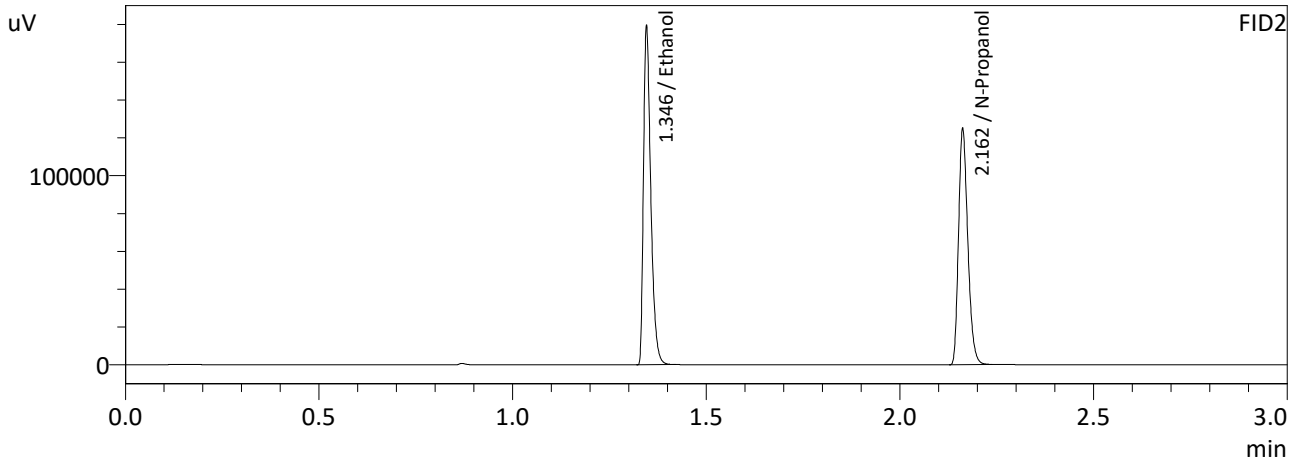
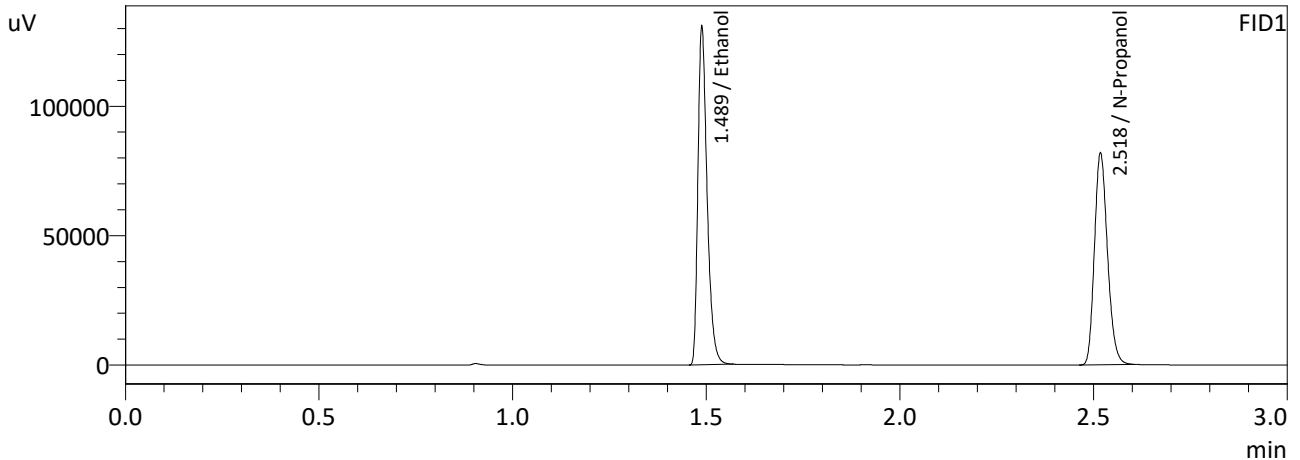
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2978	119877	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180264	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2979	130316	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194934	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:26:16 PM
 Vial # : 77
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

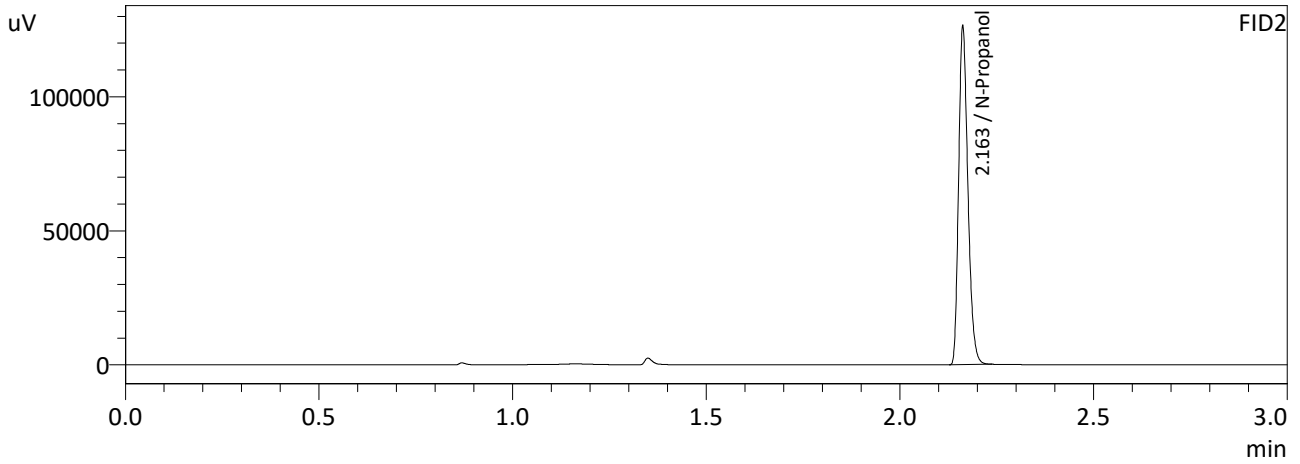
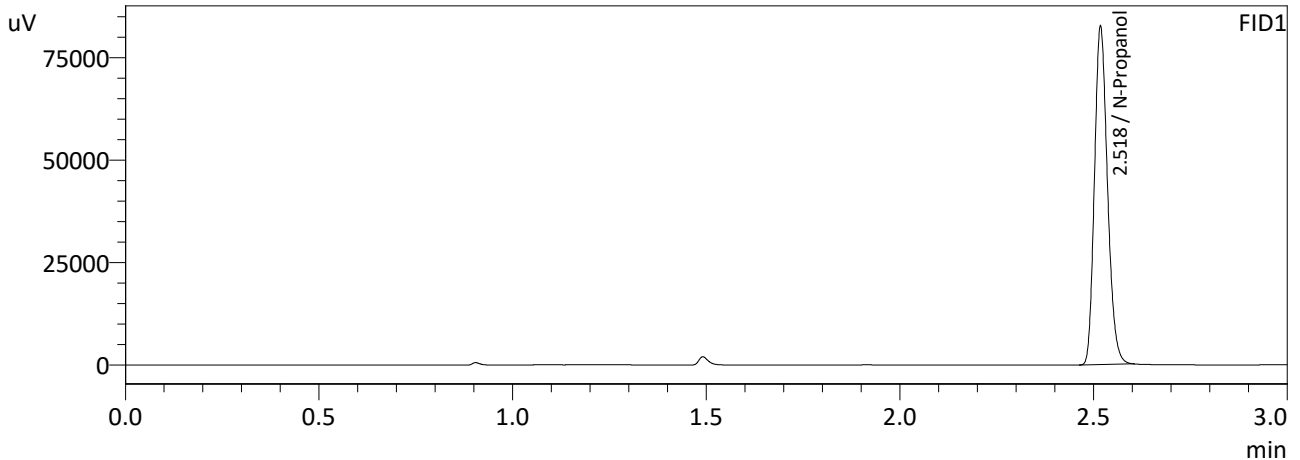
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5017	215502	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191395	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	234639	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207104	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:33:46 PM
 Vial # : 78
 Method Filename : Default Project - ALCOHOL_231206NB.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	192968	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	209273	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

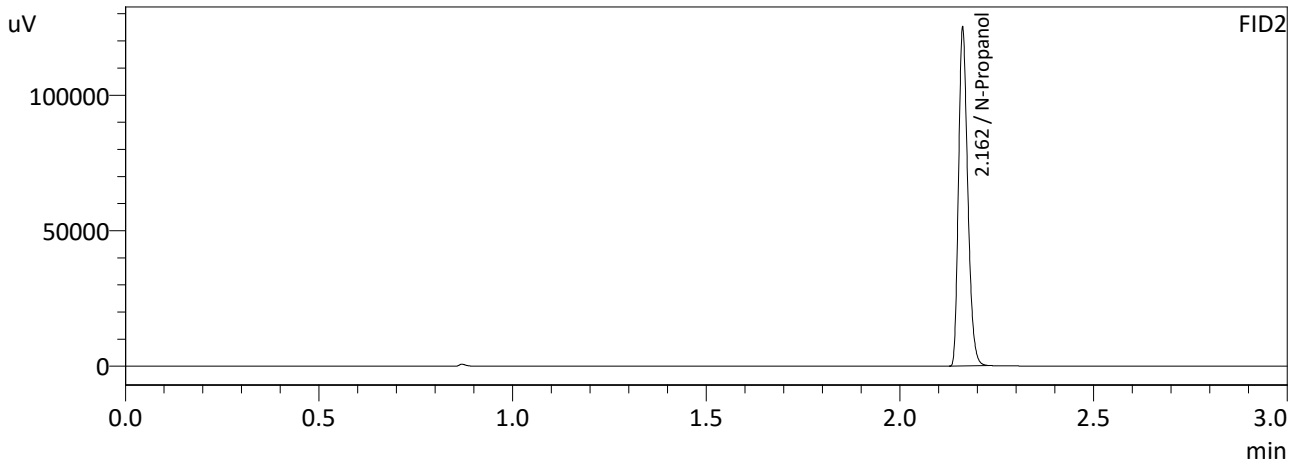
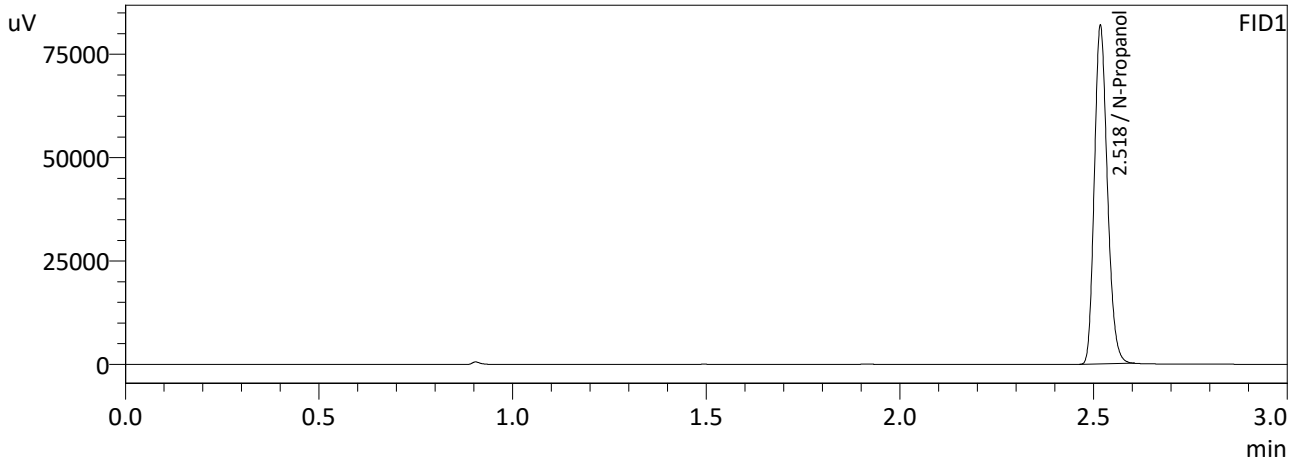
Meridian Blood Alcohol Analysis Batch Table

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
73	0.050	1:Standard:(I)	1	ALCOHOL 231206NB.gcm
74	0.100	1:Standard	2	ALCOHOL 231206NB.gcm
75	0.200	1:Standard	3	ALCOHOL 231206NB.gcm
76	0.300	1:Standard	4	ALCOHOL 231206NB.gcm
77	0.500	1:Standard	5	ALCOHOL 231206NB.gcm
78	INT STD BLK	0:Unknown	0	ALCOHOL 231206NB.gcm

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 12/6/2023 4:59:48 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

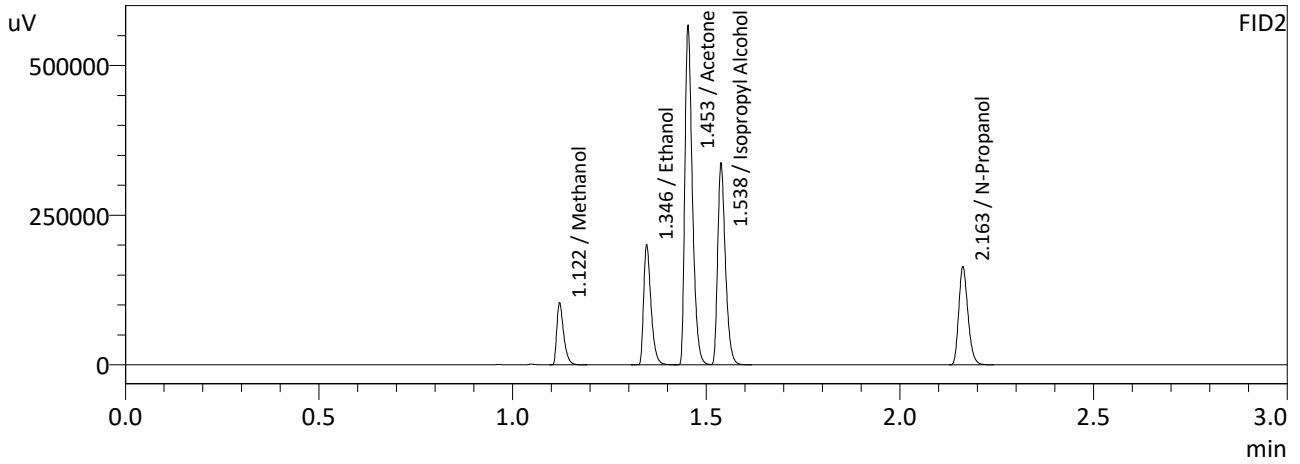
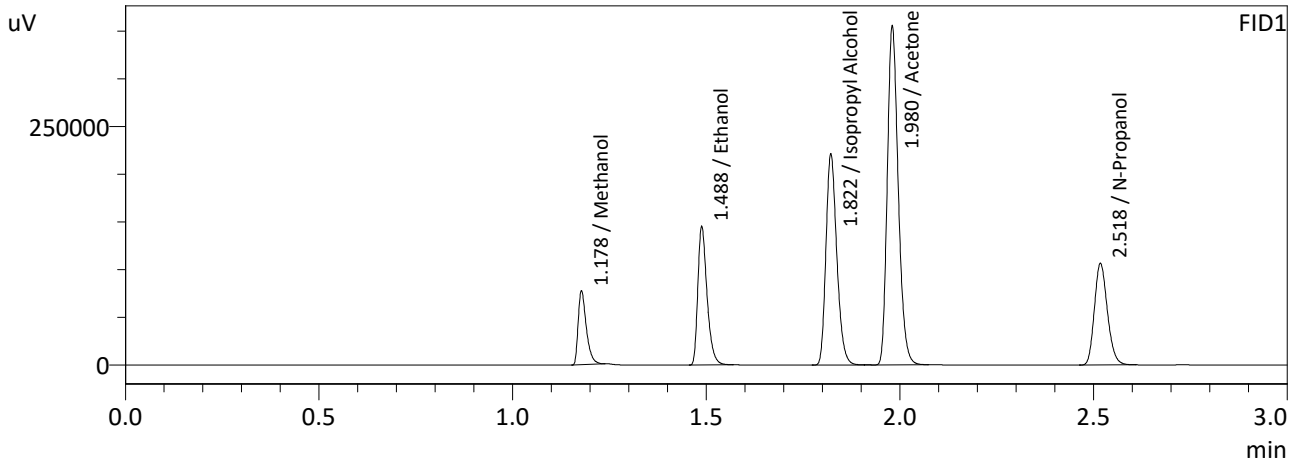
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191241	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206947	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 12/6/2023 5:07:08 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	113719	g/100cc
Ethanol	0.4302	239924	g/100cc
Isopropyl Alcohol	0.0000	431038	g/100cc
Acetone	0.0000	697917	g/100cc
N-Propanol	0.0000	248788	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	128335	g/100cc
Ethanol	0.4317	263140	g/100cc
Acetone	0.0000	761106	g/100cc
Isopropyl Alcohol	0.0000	466995	g/100cc
N-Propanol	0.0000	270391	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 12/6/2023 5:30:51 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0805	0.0003	0.0806	0.0017	0.0815
(g/100cc)	0.0823	0.0824	0.0001	0.0823		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_231206NB.gcm

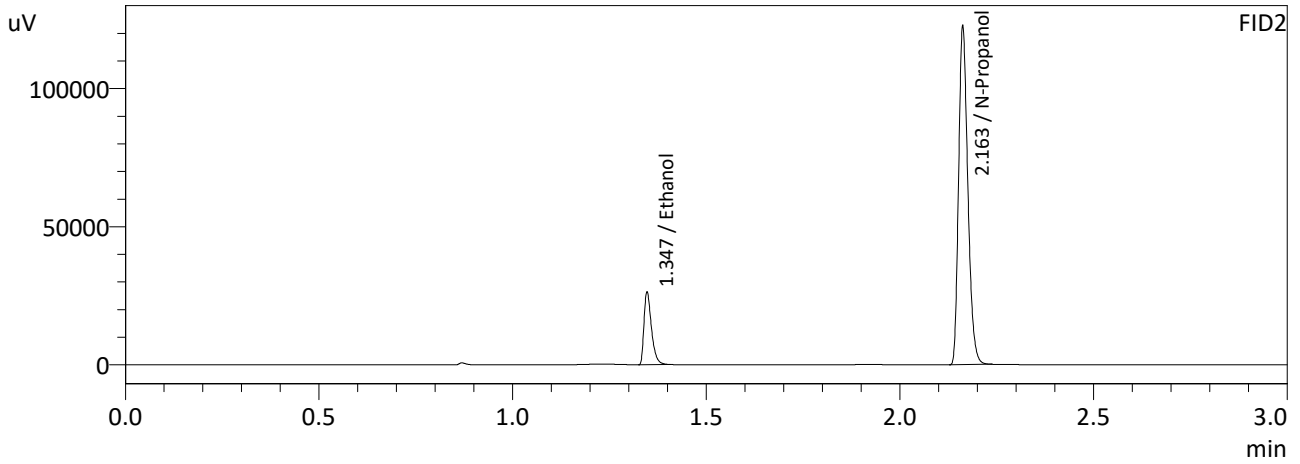
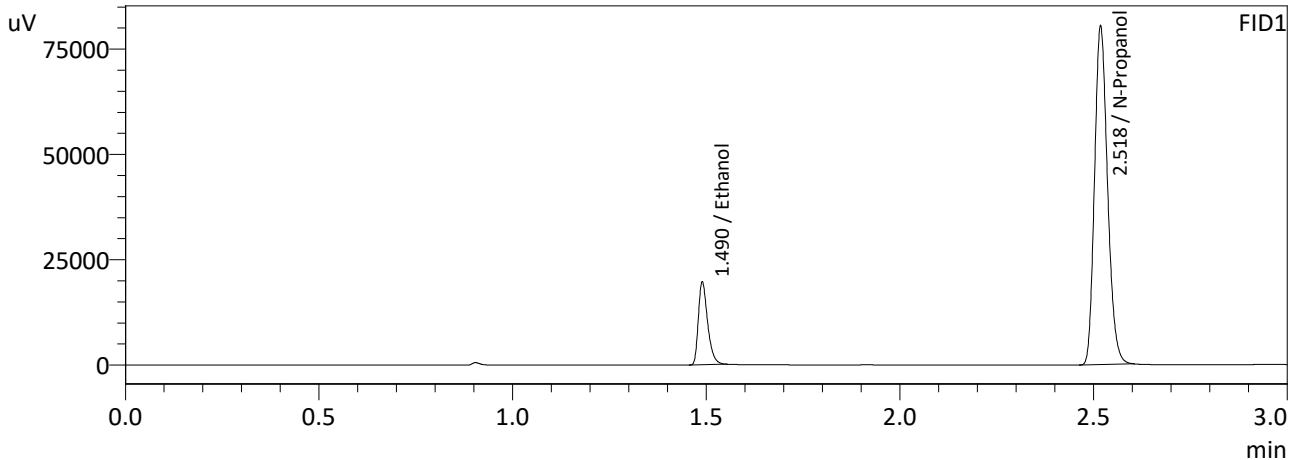
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results	
0.081	

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 12/6/2023 5:30:51 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

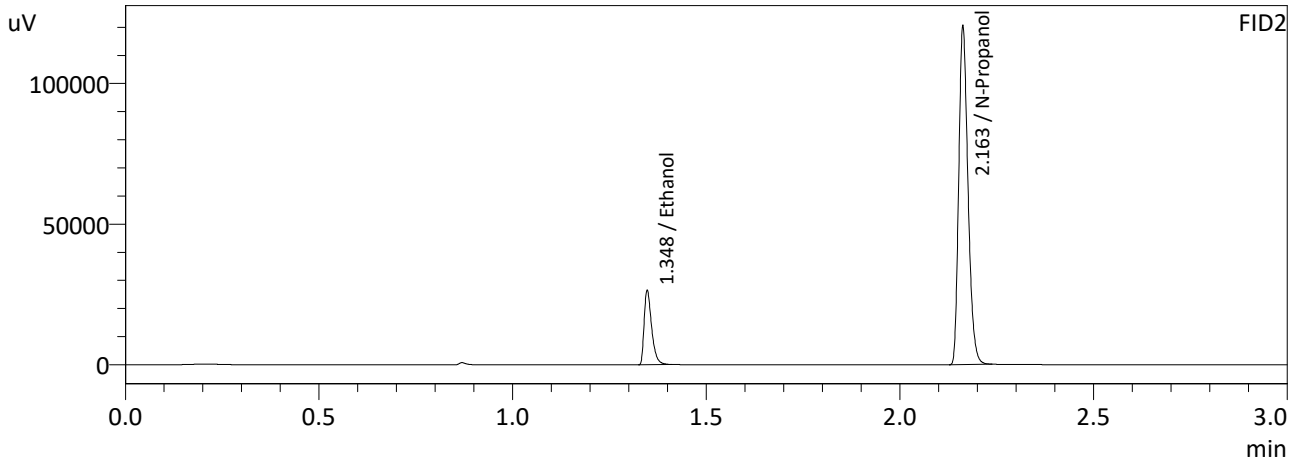
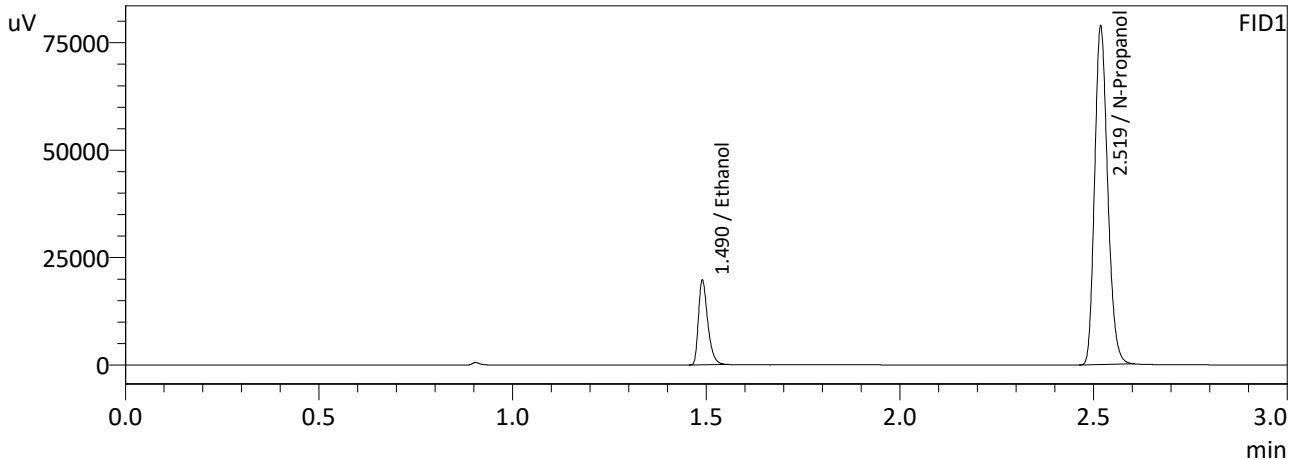
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	32737	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187788	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0805	35237	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203279	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 12/6/2023 5:39:19 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	32773	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184389	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	35478	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199827	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 12/6/2023 5:14:43 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0800	0.0003	0.0801	0.0000	0.0801
(g/100cc)	0.0802	0.0800	0.0002	0.0801		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_231206NB.gcm

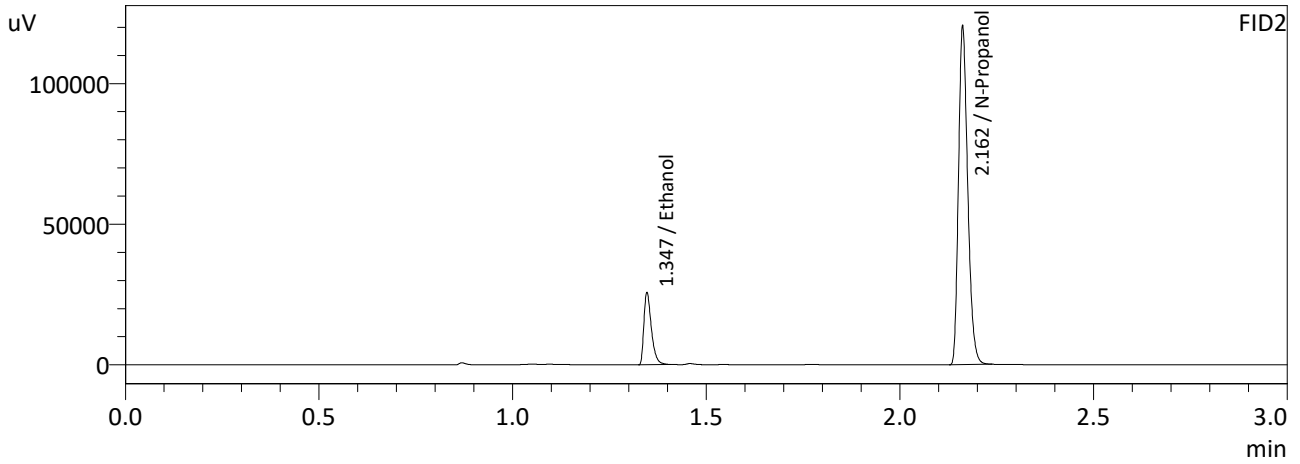
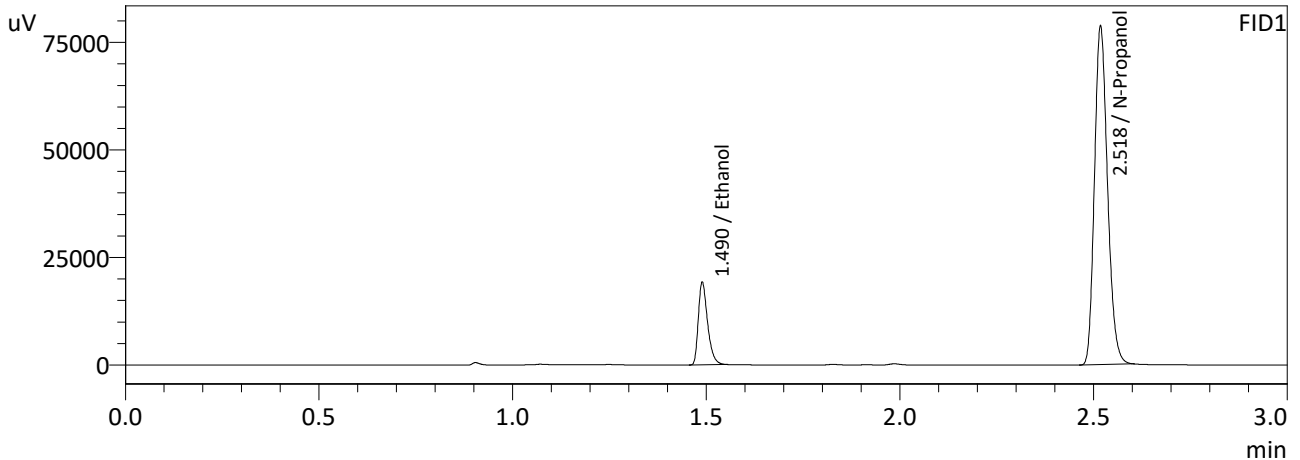
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 12/6/2023 5:14:43 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

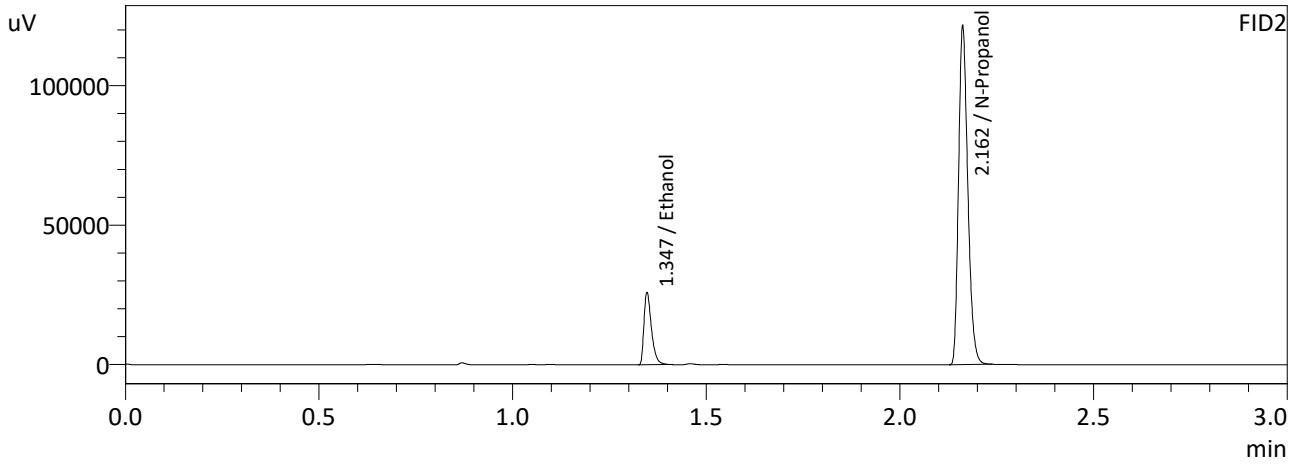
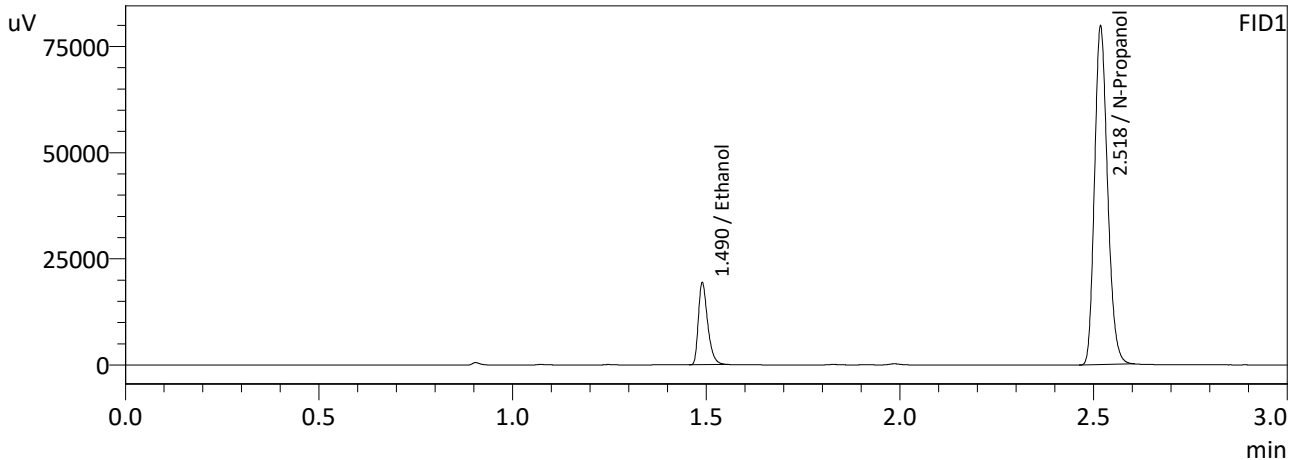
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	31940	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184448	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	34346	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199526	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 12/6/2023 5:23:25 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	32206	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186287	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	34681	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201613	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2

Analysis Date(s): 12/6/2023 11:14:58 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0831	0.0831	0.0000	0.0831	0.0007	0.0827
(g/100cc)	0.0824	0.0824	0.0000	0.0824		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_231206NB.gcm

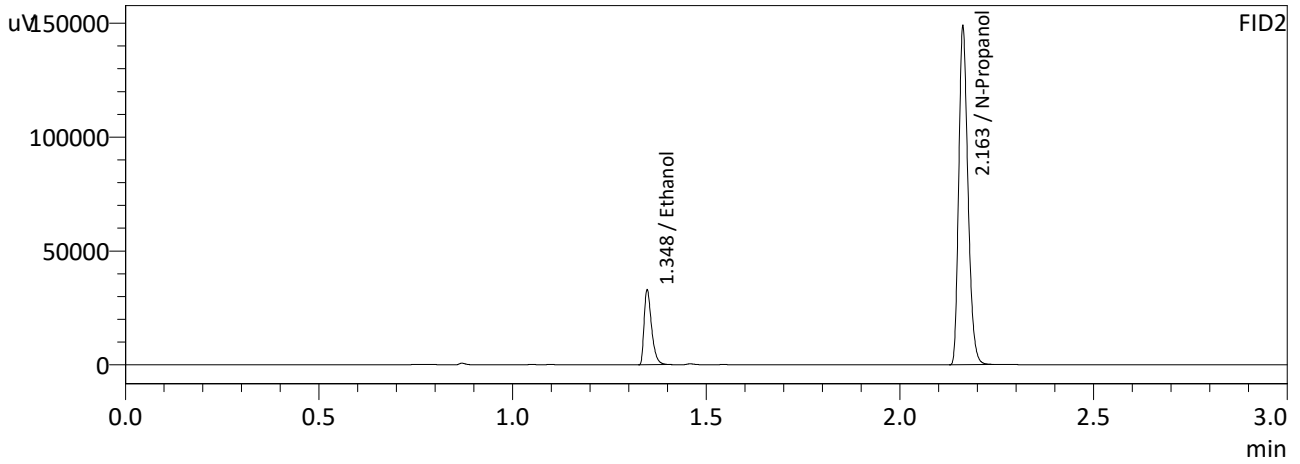
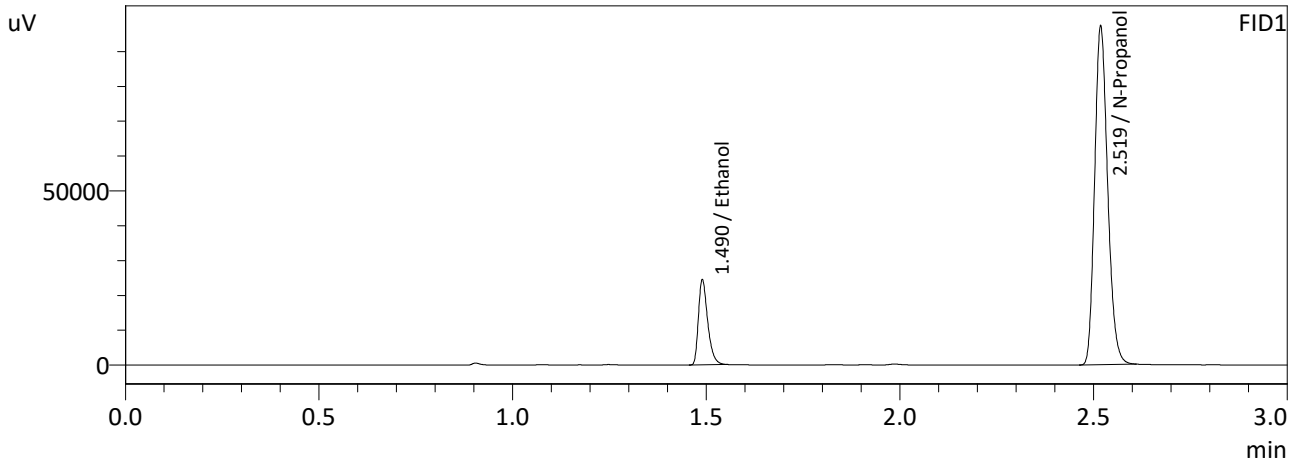
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

	Reported Results	
	0.082	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 12/6/2023 11:14:58 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

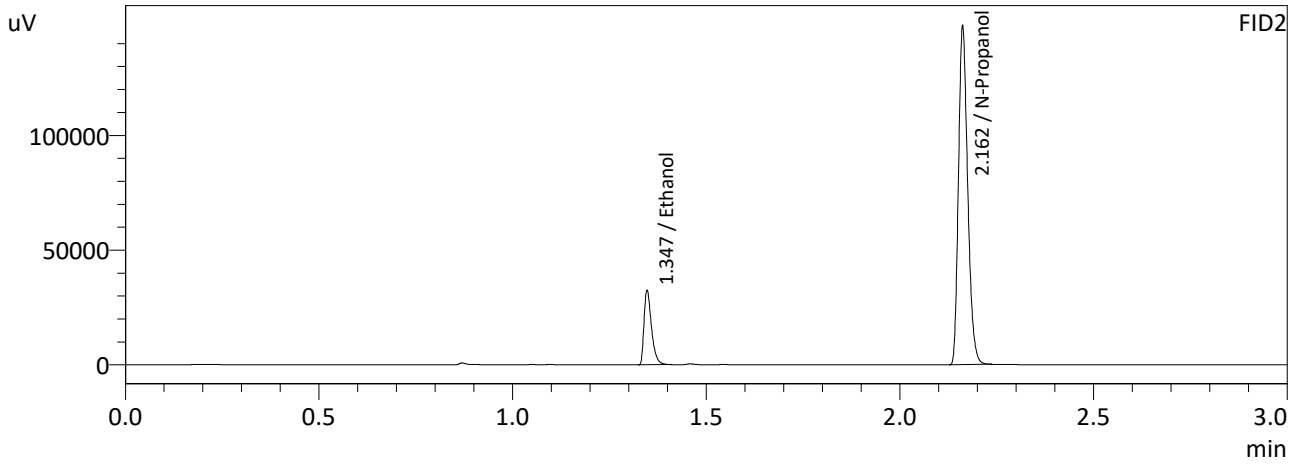
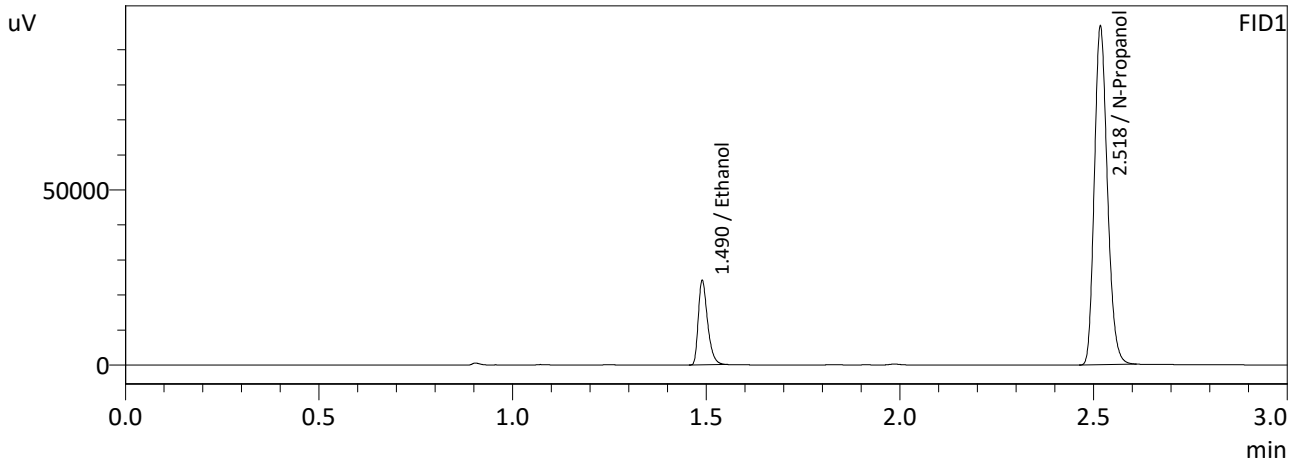
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	40694	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	226901	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	44082	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246051	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 12/6/2023 11:23:26 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	40151	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225798	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	43452	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	244643	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1			Analysis Date(s): 12/6/2023 8:13:28 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2079	0.2078	0.0001	0.2078	0.0015	0.2086
(g/100cc)	0.2091	0.2096	0.0005	0.2093		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_231206NB.gcm

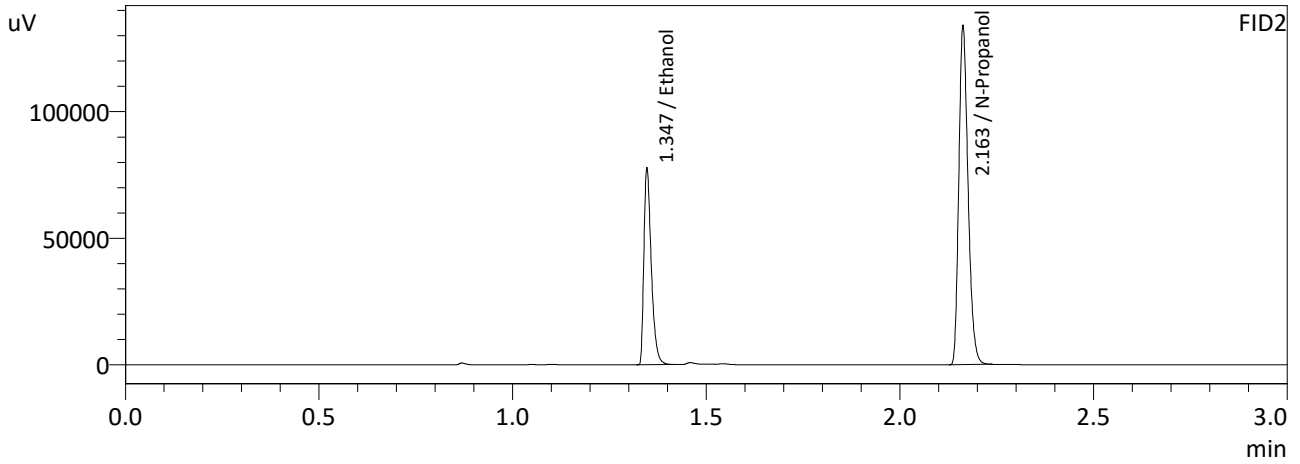
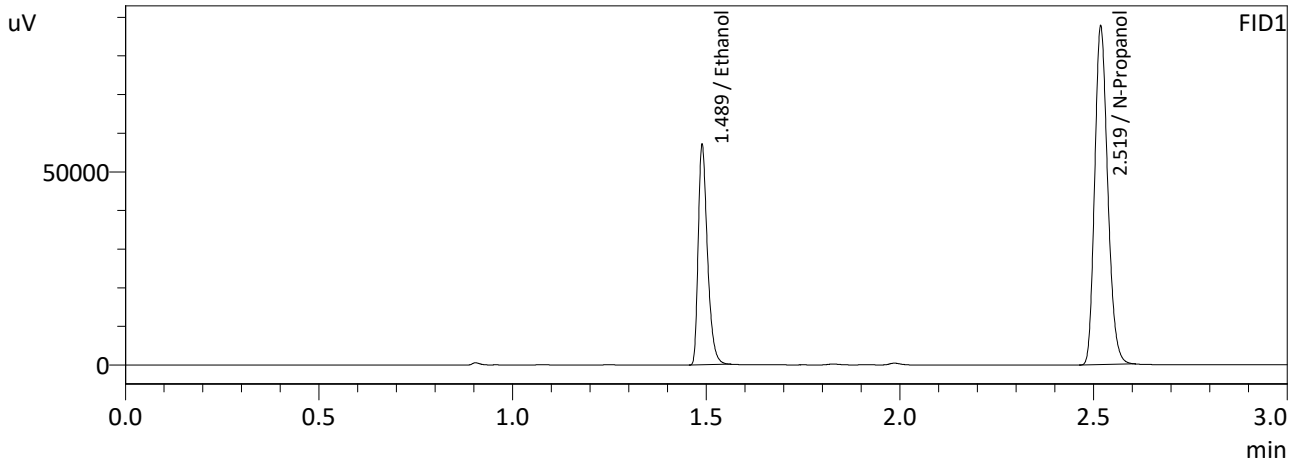
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.208	0.197	0.219	0.011

	Reported Results
	0.208

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 12/6/2023 8:13:28 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

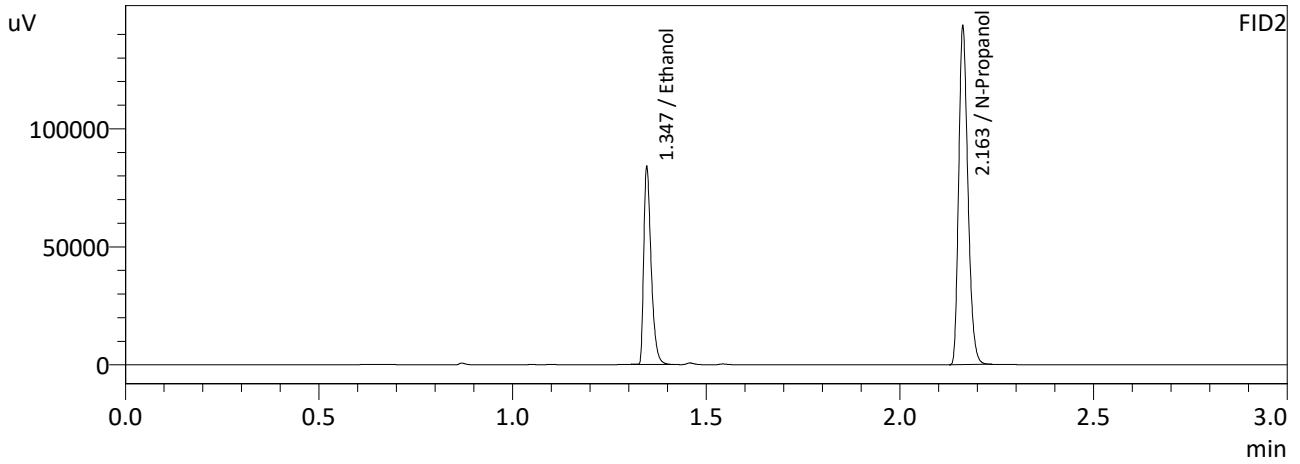
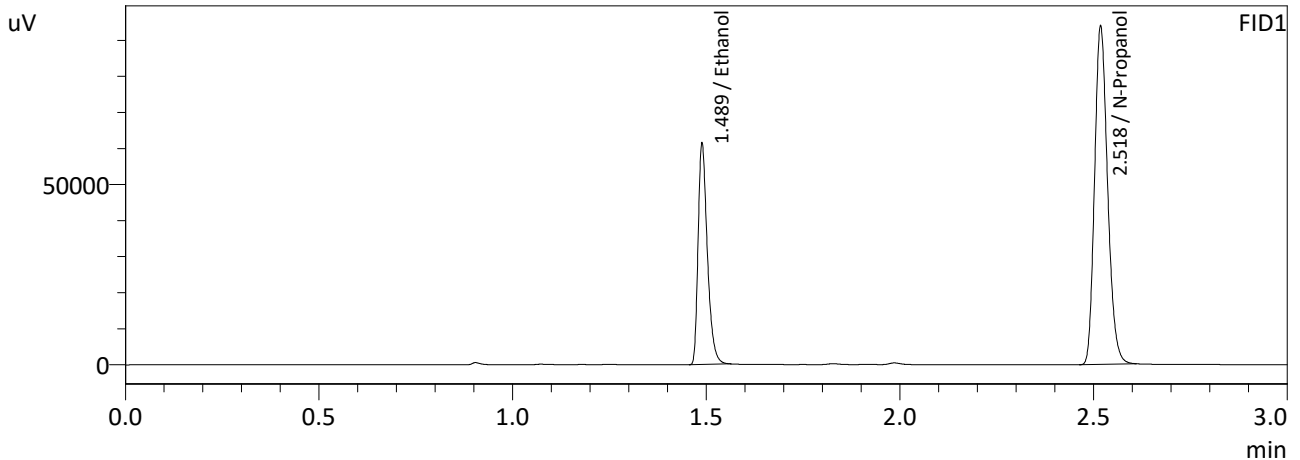
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	94517	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204778	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	102741	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221805	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 12/6/2023 8:21:29 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2091	101806	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219193	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2096	110974	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237449	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 12/6/2023 11:30:27 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2077	0.2078	0.0001	0.2077	0.0001	0.2077
(g/100cc)	0.2077	0.2076	0.0001	0.2076		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_231206NB.gcm

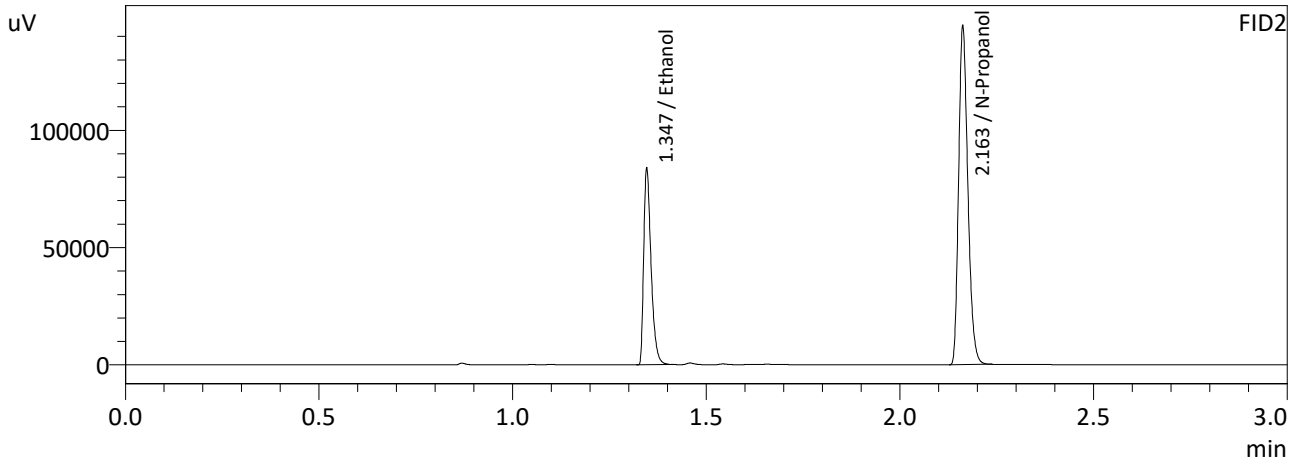
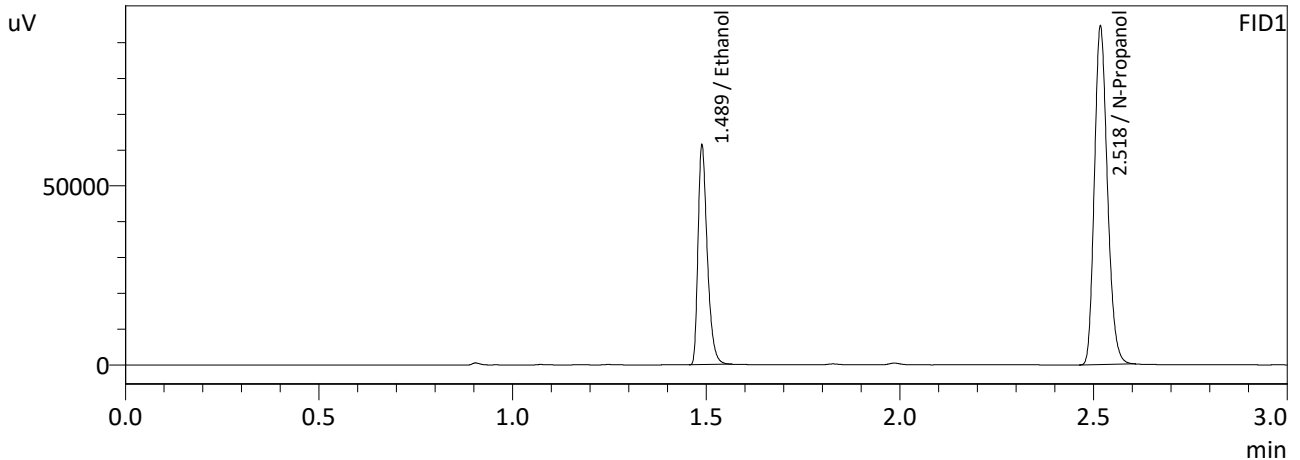
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

Reported Results	
0.207	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 12/6/2023 11:30:27 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

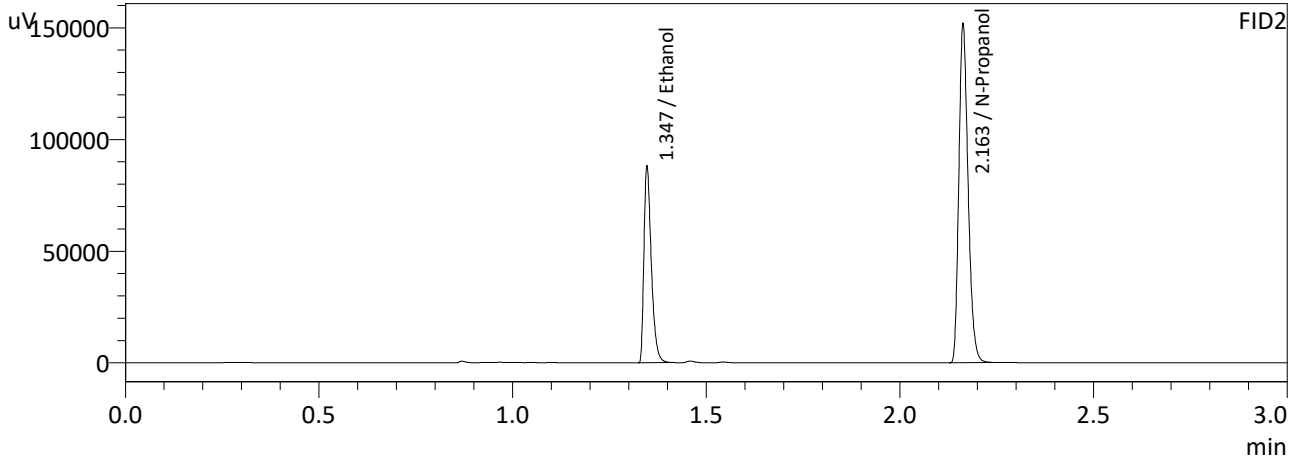
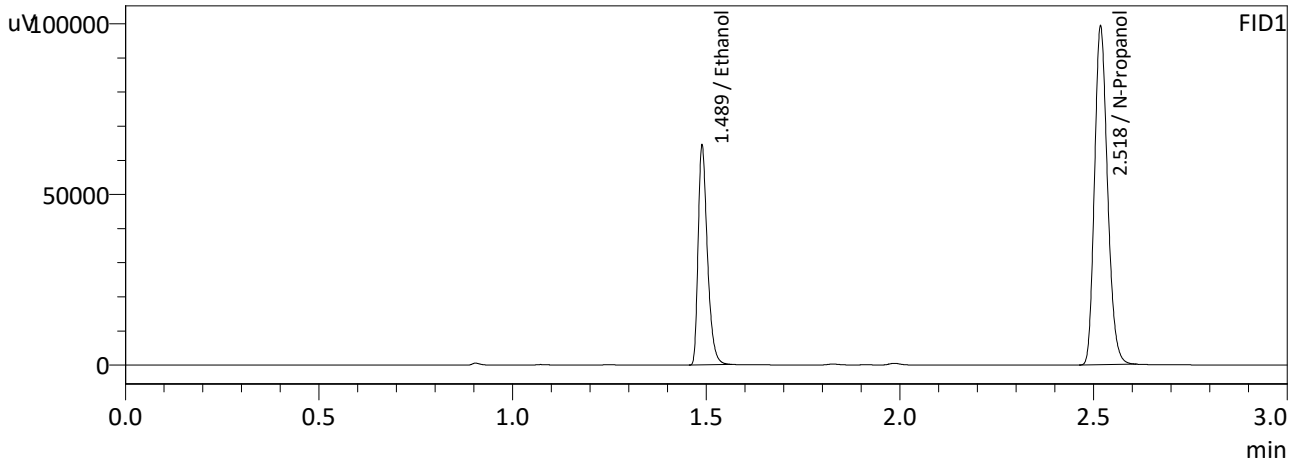
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	101833	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220800	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	110804	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	239264	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 12/6/2023 11:38:49 PM
 Vial # : 50
 Method Filename : Default Project - ALCOHOL_231206NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

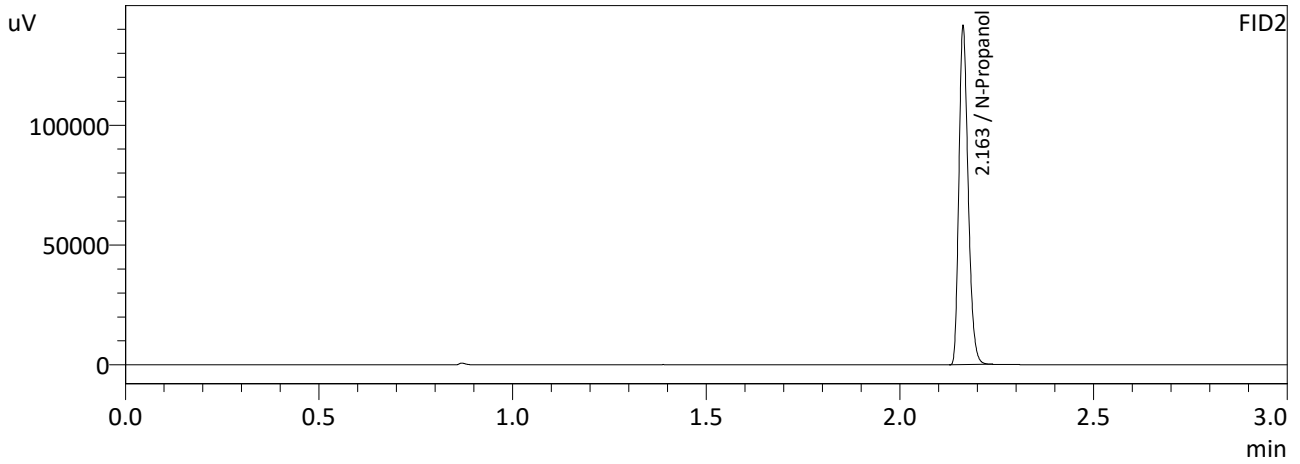
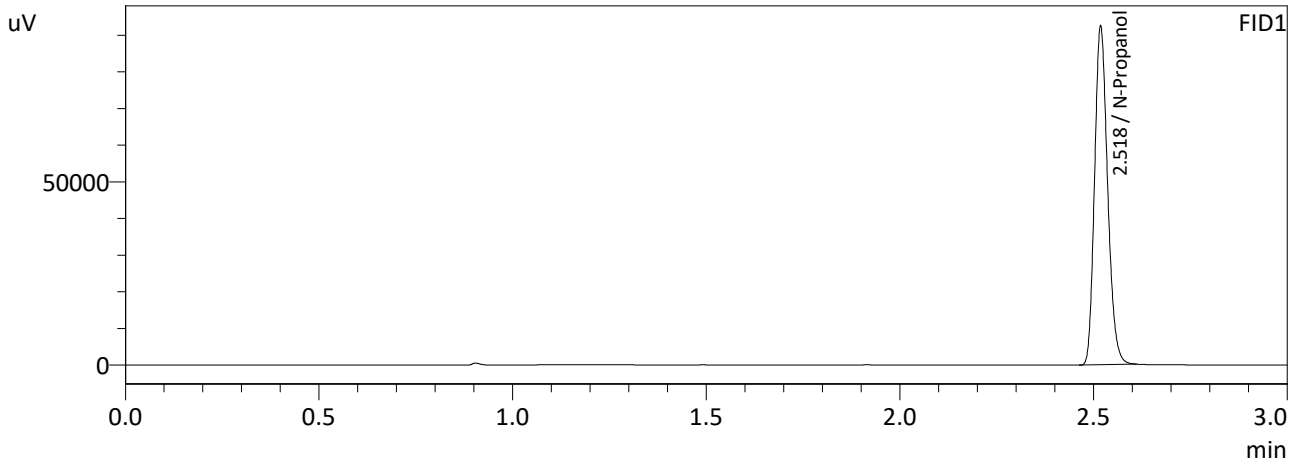
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2077	106833	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231626	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2076	116348	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251416	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 12/6/2023 11:48:20 PM
 Vial # : 51
 Method Filename : Default Project - ALCOHOL_231206NB.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	216242	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	234269	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 231206NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 231206NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 231206NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 231206NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 231206NB.gcm
7	M2023-5108-1	0:Unknown	0	ALCOHOL 231206NB.gcm
8	M2023-5108-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
9	M2023-5109-1	0:Unknown	0	ALCOHOL 231206NB.gcm
10	M2023-5109-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
11	M2023-5110-1	0:Unknown	0	ALCOHOL 231206NB.gcm
12	M2023-5110-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
13	M2023-5123-1	0:Unknown	0	ALCOHOL 231206NB.gcm
14	M2023-5123-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
15	M2023-5124-1	0:Unknown	0	ALCOHOL 231206NB.gcm
16	M2023-5124-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
17	M2023-5142-1	0:Unknown	0	ALCOHOL 231206NB.gcm
18	M2023-5142-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
19	M2023-5143-1	0:Unknown	0	ALCOHOL 231206NB.gcm
20	M2023-5143-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
21	M2023-5155-1	0:Unknown	0	ALCOHOL 231206NB.gcm
22	M2023-5155-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
23	M2023-5156-2	0:Unknown	0	ALCOHOL 231206NB.gcm
24	M2023-5156-2-B	0:Unknown	0	ALCOHOL 231206NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 231206NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
27	M2023-5157-1	0:Unknown	0	ALCOHOL 231206NB.gcm
28	M2023-5157-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
29	M2023-5158-1	0:Unknown	0	ALCOHOL 231206NB.gcm
30	M2023-5158-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
31	M2023-5169-1	0:Unknown	0	ALCOHOL 231206NB.gcm
32	M2023-5169-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
33	M2023-5170-3	0:Unknown	0	ALCOHOL 231206NB.gcm
34	M2023-5170-3-B	0:Unknown	0	ALCOHOL 231206NB.gcm
35	M2023-5181-1	0:Unknown	0	ALCOHOL 231206NB.gcm
36	M2023-5181-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
37	M2023-5187-1	0:Unknown	0	ALCOHOL 231206NB.gcm
38	M2023-5187-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
39	M2023-5189-1	0:Unknown	0	ALCOHOL 231206NB.gcm
40	M2023-5189-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
41	M2023-5190-1	0:Unknown	0	ALCOHOL 231206NB.gcm
42	M2023-5190-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
43	M2023-5205-1	0:Unknown	0	ALCOHOL 231206NB.gcm
44	M2023-5205-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
45	M2023-5214-1	0:Unknown	0	ALCOHOL 231206NB.gcm
46	M2023-5214-1-B	0:Unknown	0	ALCOHOL 231206NB.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 231206NB.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 231206NB.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 231206NB.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 231206NB.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 231206NB.gcm

NB