


















APPROVED

By John Garner at 3:06 pm, Mar 21, 2024

3/20/2024

Worklist: 6732

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-0484	1	BCK	BATS Proficiency Test	
M2024-0484	2	BCK	BATS Proficiency Test	
M2024-0484		BCK	BATS Proficiency Test	
M2024-0484	4	BCK	BATS Proficiency Test	
M2024-1021	1	BCK	Alcohol Analysis	
M2024-1022	1	BCK	Alcohol Analysis	
M2024-1023	1	BCK	Alcohol Analysis	
M2024-1024	1	BCK	Alcohol Analysis	
M2024-1028	1	BCK	Alcohol Analysis	
M2024-1039	1	BCK	Alcohol Analysis	
M2024-1075	1	BCK	Alcohol Analysis	
M2024-1076	1	BCK	Alcohol Analysis	
M2024-1082	1	BCK	Alcohol Analysis	
M2024-1116	1	BCK	Alcohol Analysis	
M2024-1122	1	BCK	Alcohol Analysis	
M2024-1124	1	BCK	Alcohol Analysis	
M2024-1134	1	BCK	Alcohol Analysis	



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):

3/20/24

Calibration Date: 3/20/24

Worklist #:

6732

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0784 g/100cc	
					0.0837 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2077 g/100cc	
					0.2112 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99987	Column2	0.99985

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0523	0.0523	0	0.0523
100	0.100	0.090 - 0.110	0.0999	0.1003	0.0004	0.1001
200	0.200	0.180 - 0.220	0.1971	0.1967	0.0004	0.1969
300	0.300	0.270 - 0.330	0.2991	0.2989	0.0002	0.299
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5014	0.5016	0.0002	0.5015

Aqueous Controls

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

Internal Standard Monitoring Worksheet

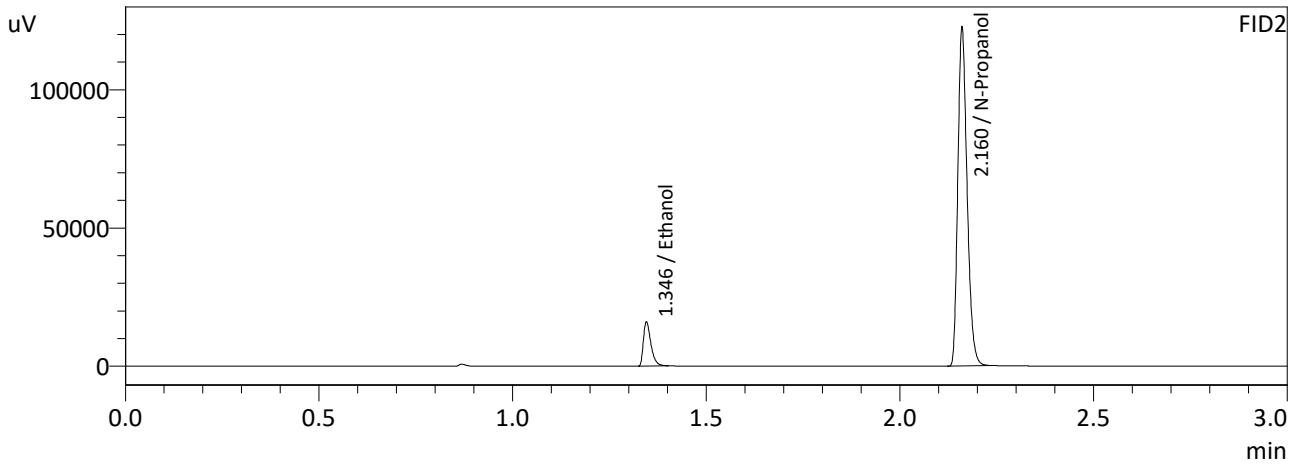
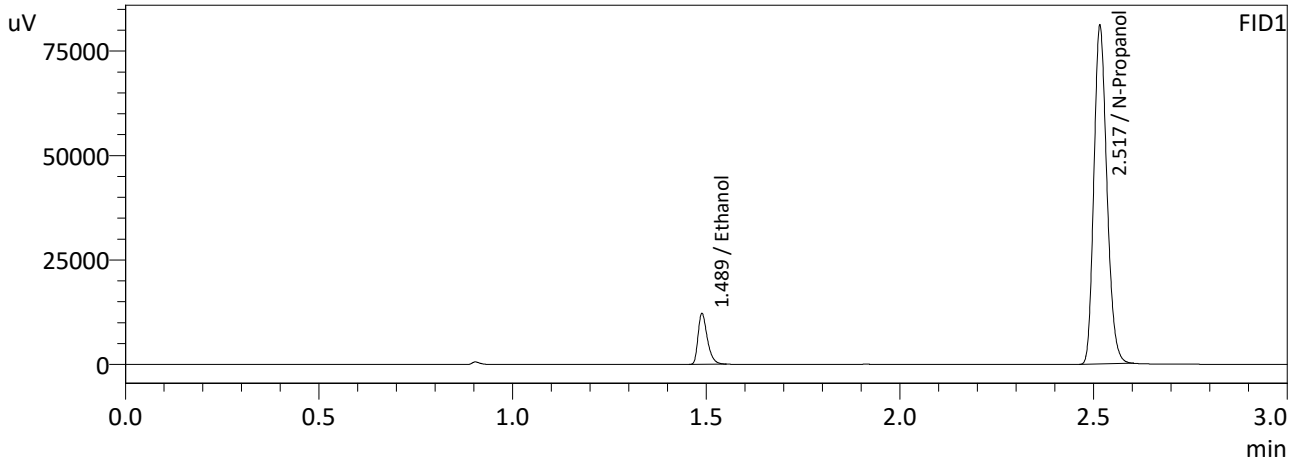
Worklist #: 6732 **Run Date(s):** 3/20/24

Internal Standard Solution:	Prep Date: 3/13/2024	Exp Date: 9/13/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	192504	207788
0.080	187972	202428
QC1	187982	202712
QC1	191665	206535
QC1	218232	236859
QC1	222946	241521
QC1		
QC1		
QC2	208280	225647
QC2	210576	228101
QC2	219388	237984
QC2	225709	244612
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	206525.4	165220.3	247830.5
Column 2	223418.7	178735.0	268102.4

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 3/20/2024 10:30:50 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

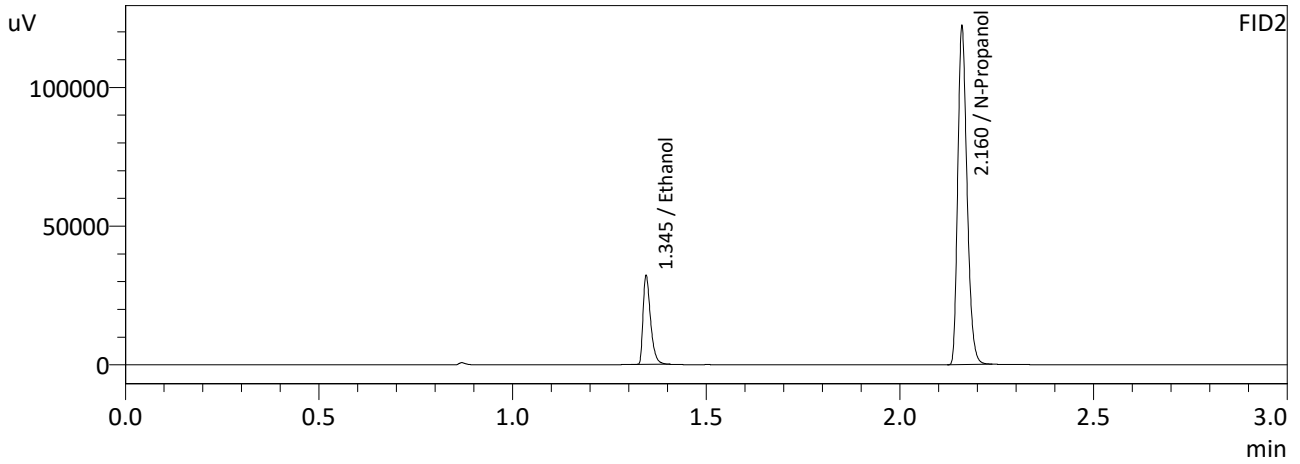
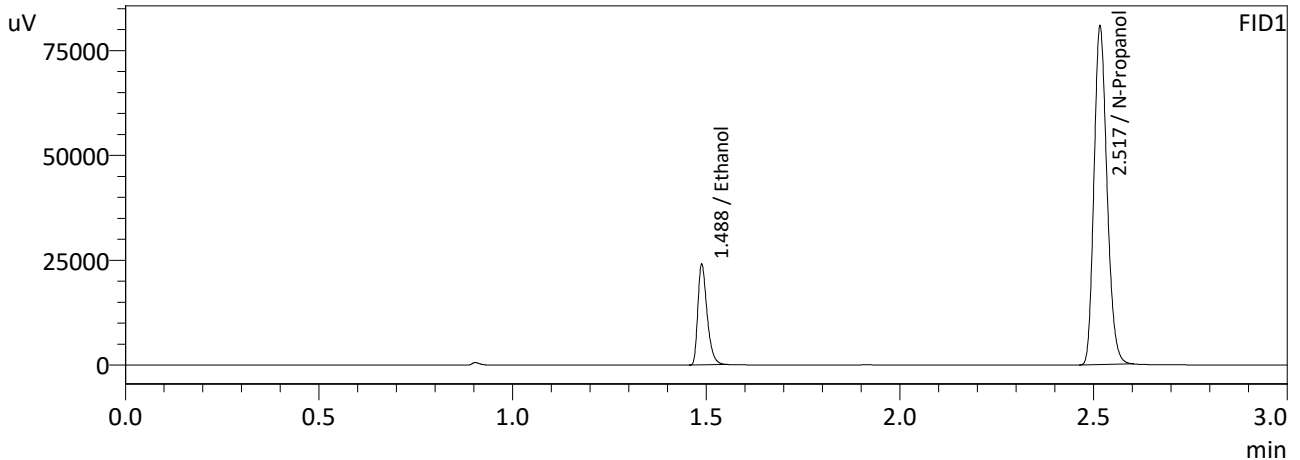
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0523	20228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189207	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0523	21520	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203377	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 3/20/2024 10:38:10 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

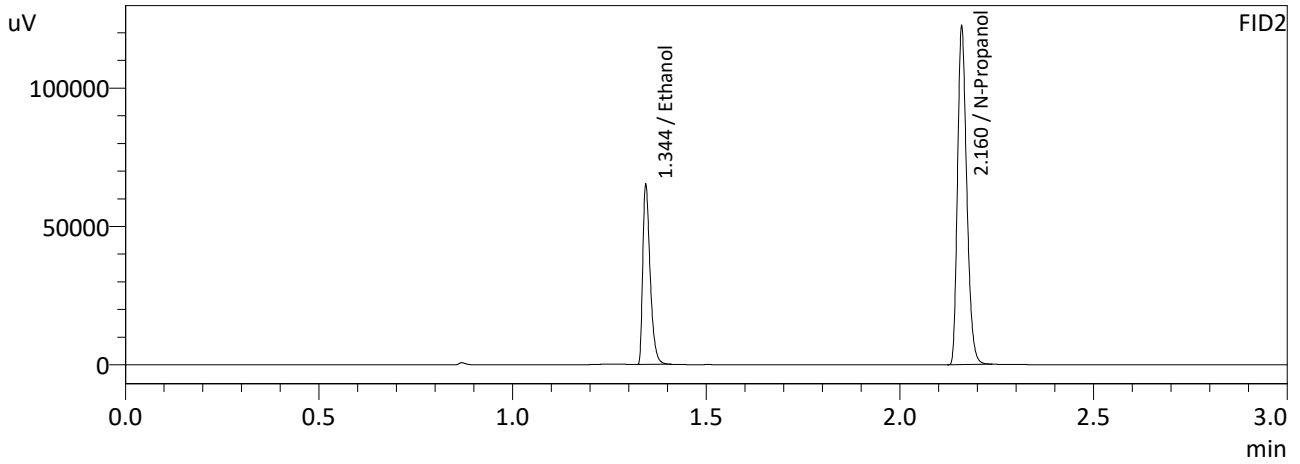
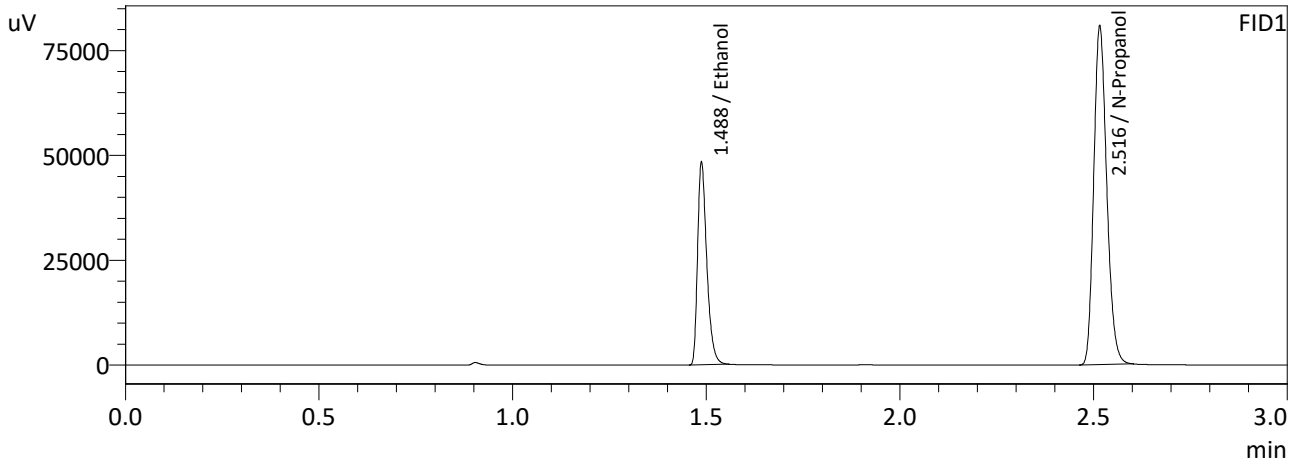
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0999	39775	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188560	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	42956	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203111	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 3/20/2024 10:45:35 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

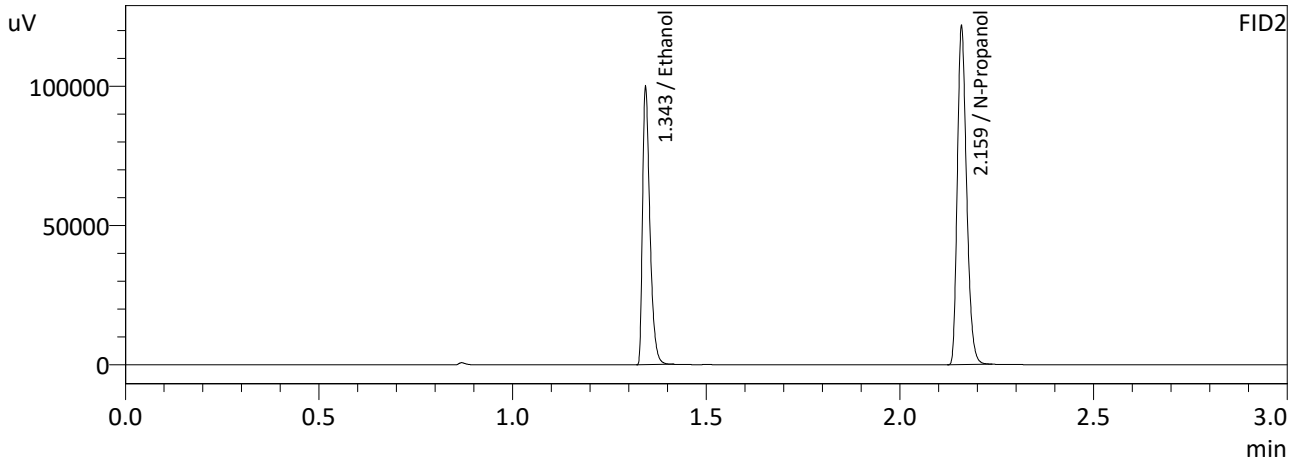
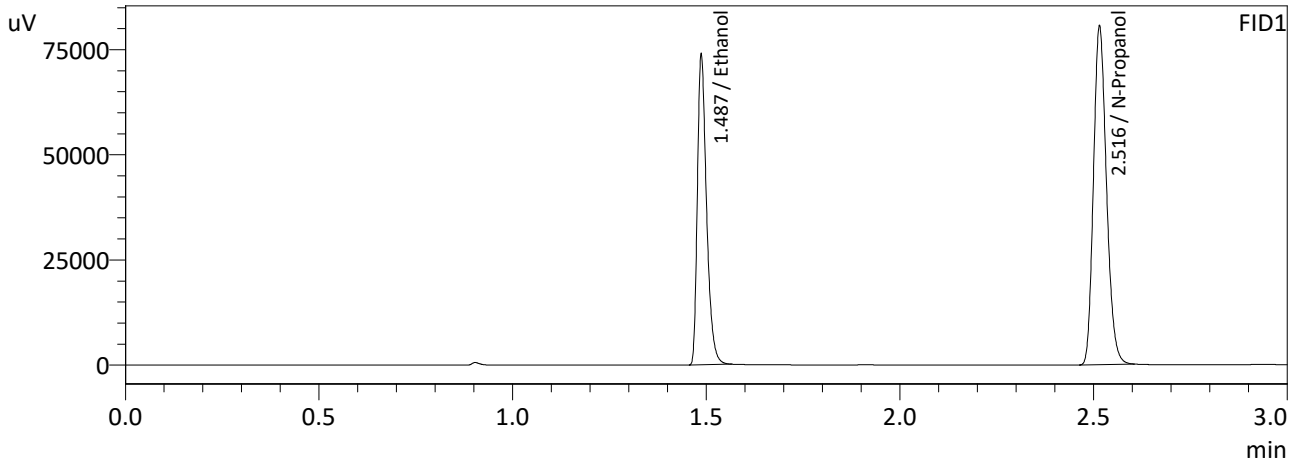
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1971	79742	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188305	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1967	86024	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202832	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 3/20/2024 10:54:19 AM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

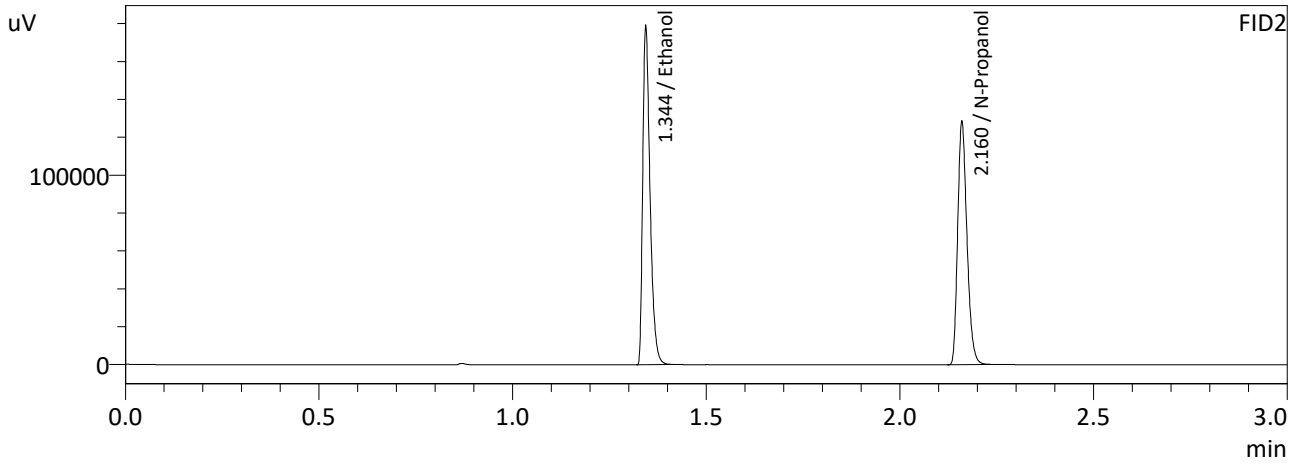
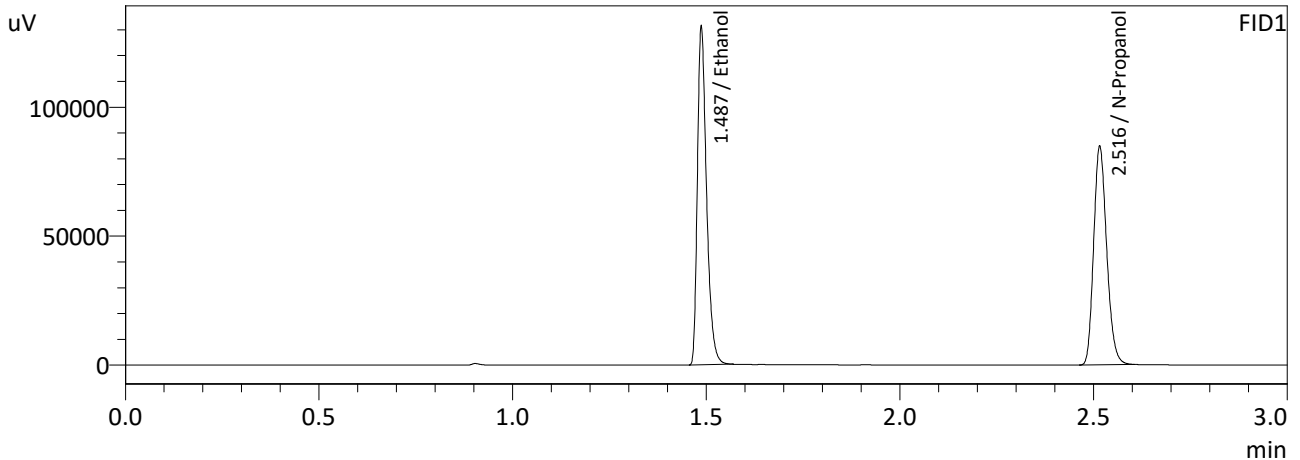
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2991	121476	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187980	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2989	131247	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202169	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 3/20/2024 11:02:57 AM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

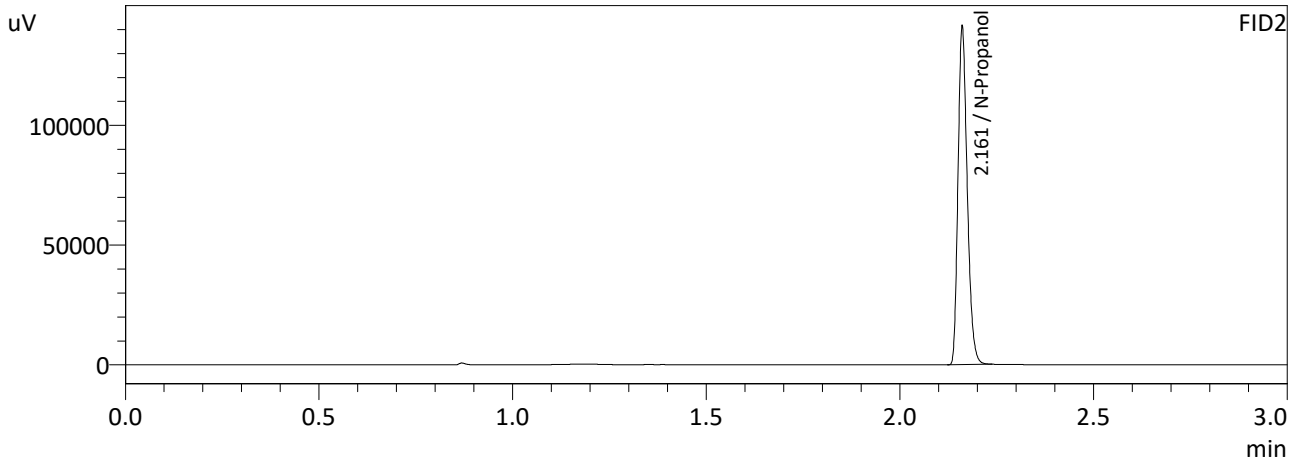
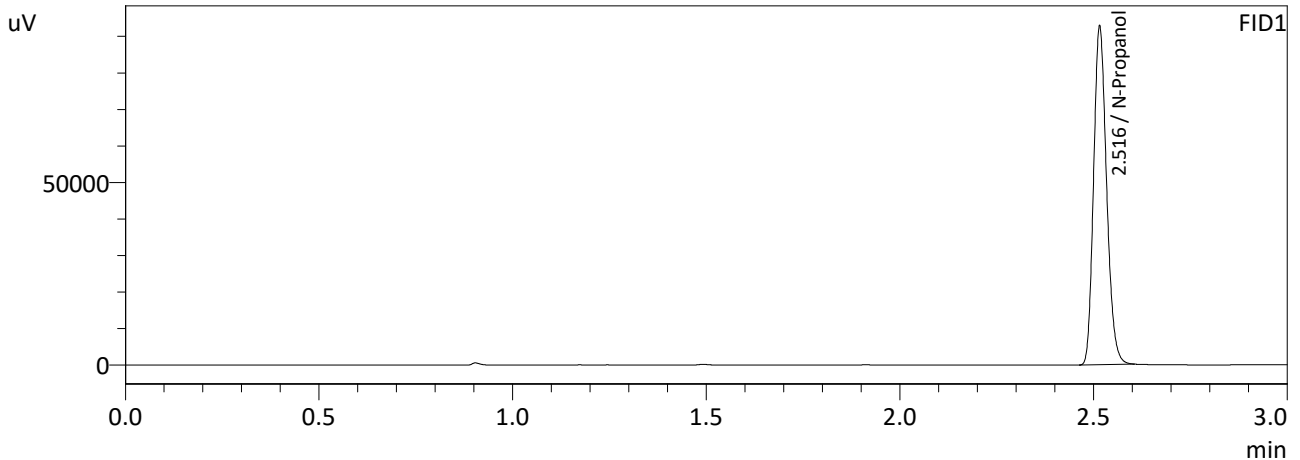
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5014	215637	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198123	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5016	233946	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213479	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 3/20/2024 11:10:26 AM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240320NB.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	216269	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

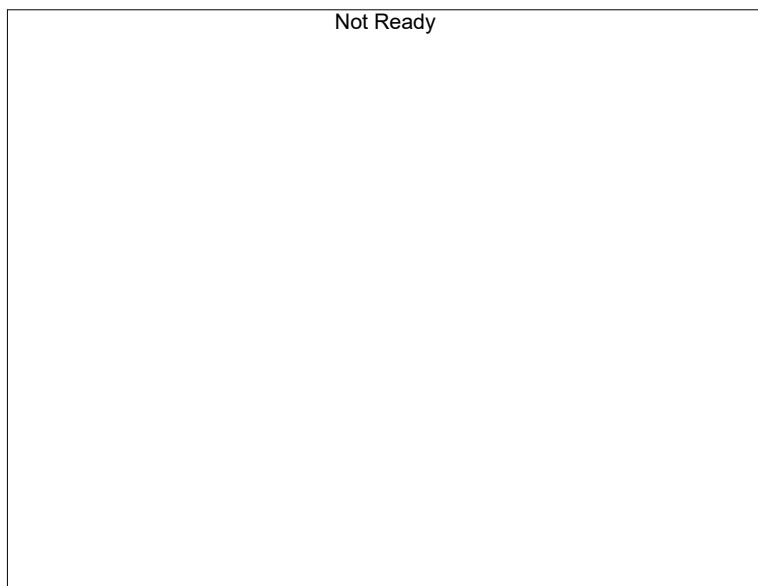
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234086	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Calibration Table

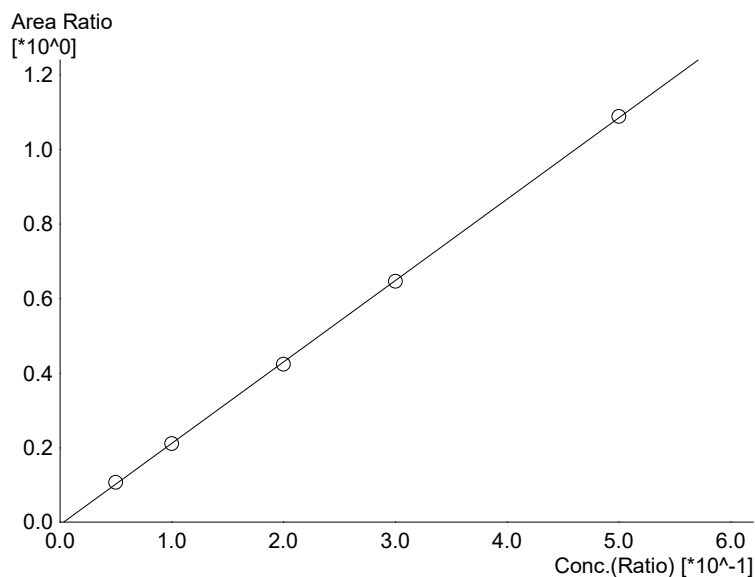
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File :Default Project - ALCOHOL_240320NB.gcm
 Date Created :3/20/2024 8:05:05 AM
 Date Modified :3/20/2024 11:20:53 AM



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

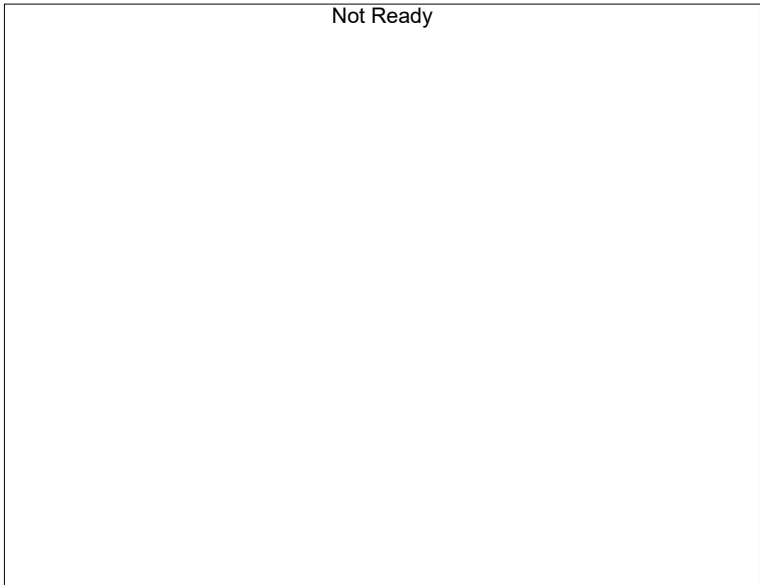
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.18541*x-0.00745622$
 R² value= 0.9998731
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20228	0.0523
2	0.100	39775	0.0999
3	0.200	79742	0.1971
4	0.300	121476	0.2991
5	0.500	215637	0.5014

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.
---	-------	------	------------



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

#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

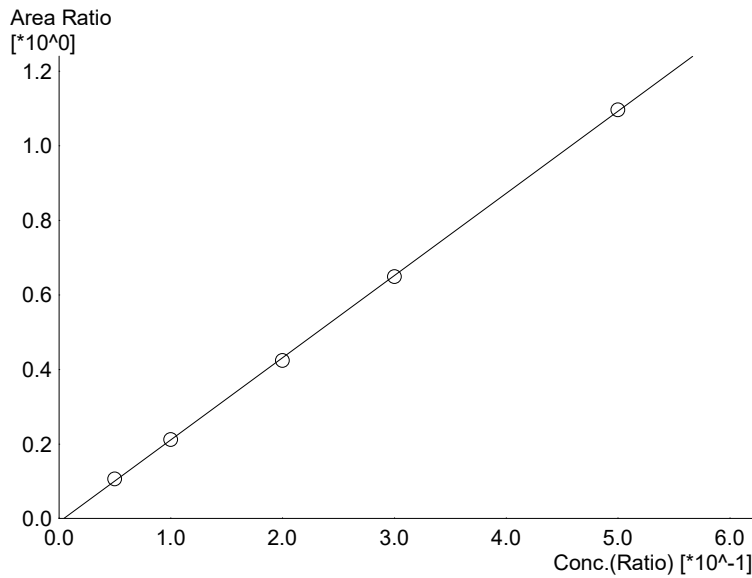
#	Conc.	Area	Std. Conc.
---	-------	------	------------

NB



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

#	Conc.	Area	Std. Conc.
---	-------	------	------------



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.20365*x-0.00954163$
 R² value= 0.9998461
 FitType: Linear
 ZeroThrough: Not Through

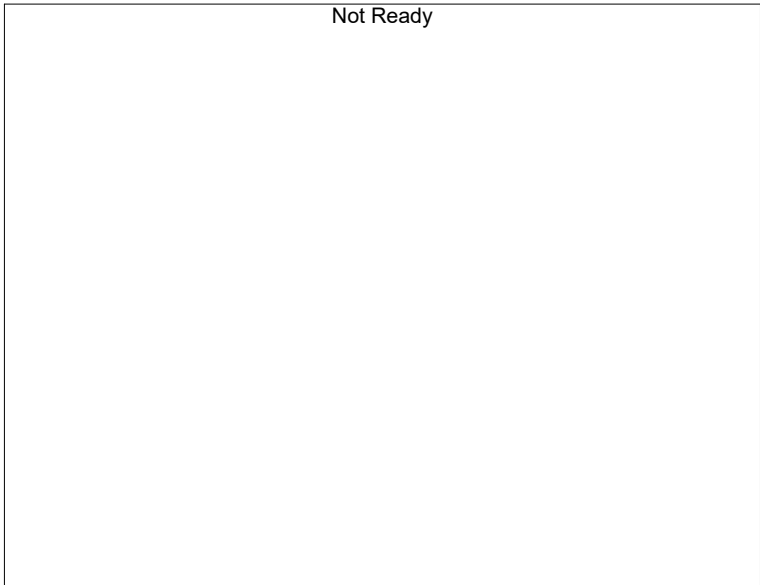
#	Conc.	Area	Std. Conc.
1	0.050	21520	0.0523
2	0.100	42956	0.1003
3	0.200	86024	0.1967
4	0.300	131247	0.2989
5	0.500	233946	0.5016



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

#	Conc.	Area	Std. Conc.
---	-------	------	------------

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.
---	-------	------	------------



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

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 240320NB.gcm
2	0.100	1:Standard	2	ALCOHOL 240320NB.gcm
3	0.200	1:Standard	3	ALCOHOL 240320NB.gcm
4	0.300	1:Standard	4	ALCOHOL 240320NB.gcm
5	0.500	1:Standard	5	ALCOHOL 240320NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240320NB.gcm

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 3/20/2024 12:31:08 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0807	0.0003	0.0808	0.0002	0.0807
(g/100cc)	0.0807	0.0806	0.0001	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240320NB.gcm

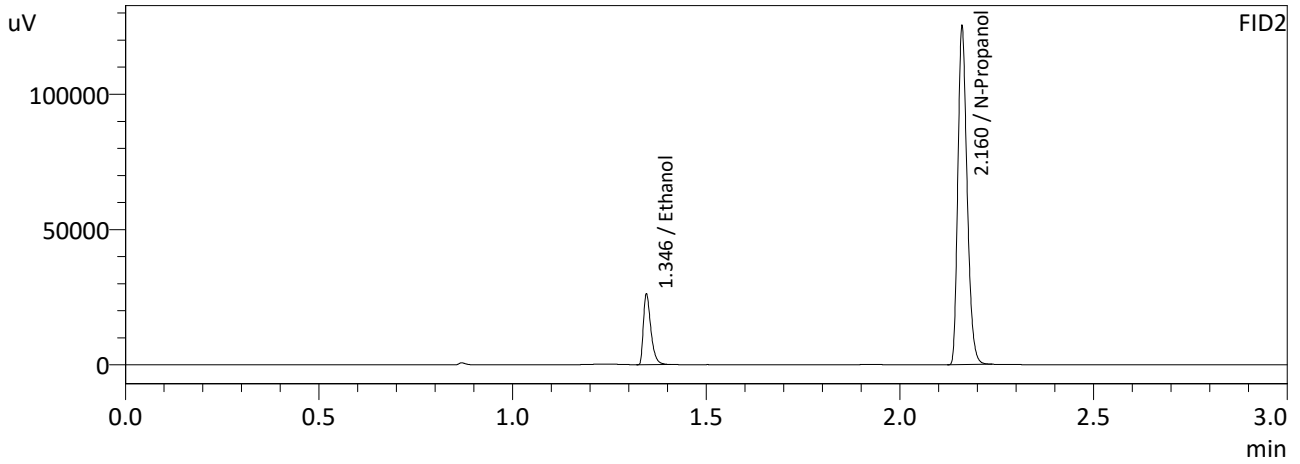
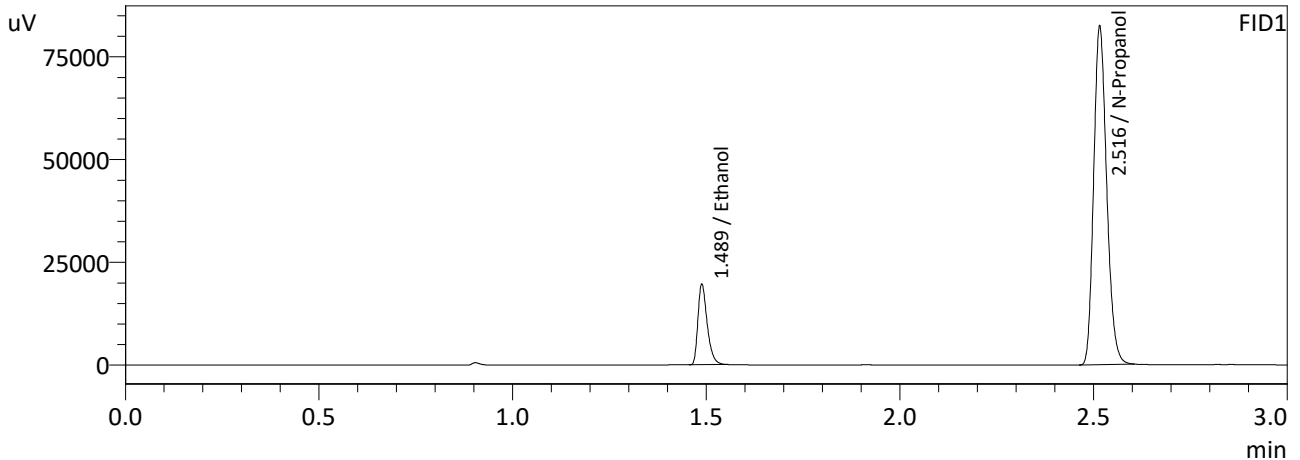
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:31:08 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

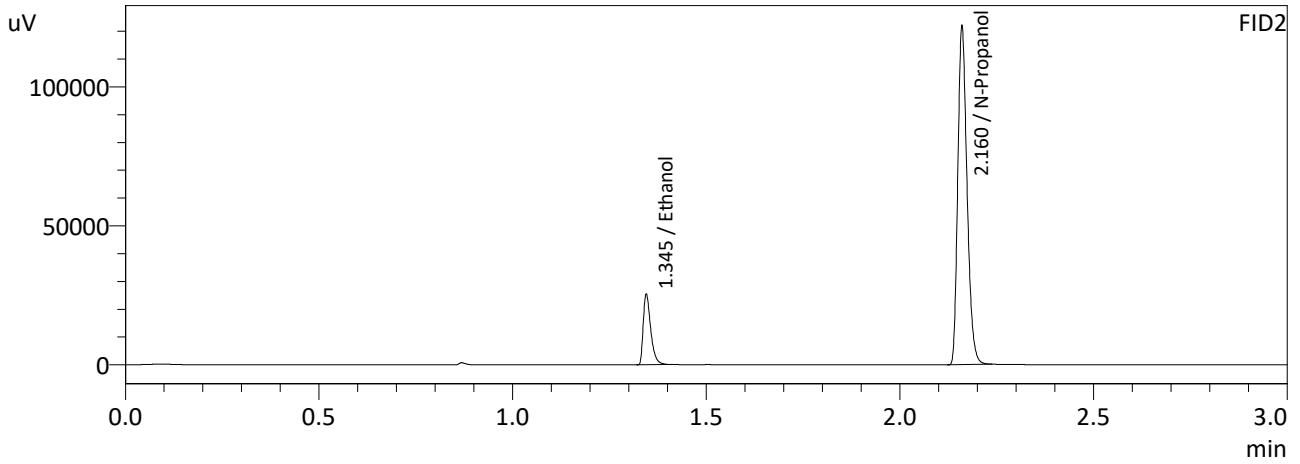
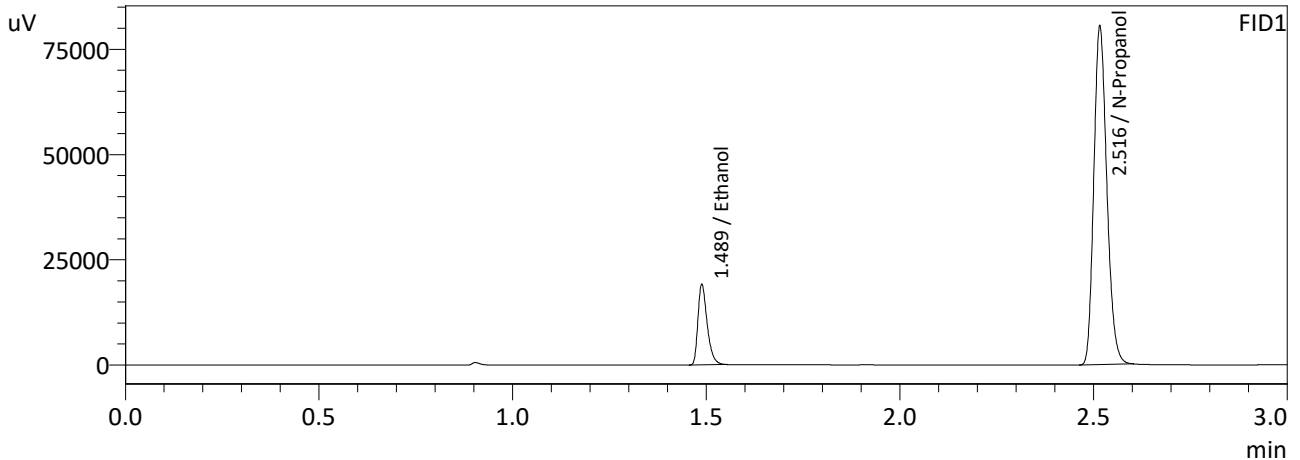
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	32658	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192504	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	35001	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207788	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:39:42 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	31759	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187972	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	34026	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202428	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1			Analysis Date(s): 3/20/2024 12:14:53 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0780	0.0782	0.0002	0.0781	0.0007	0.0784
(g/100cc)	0.0789	0.0788	0.0001	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

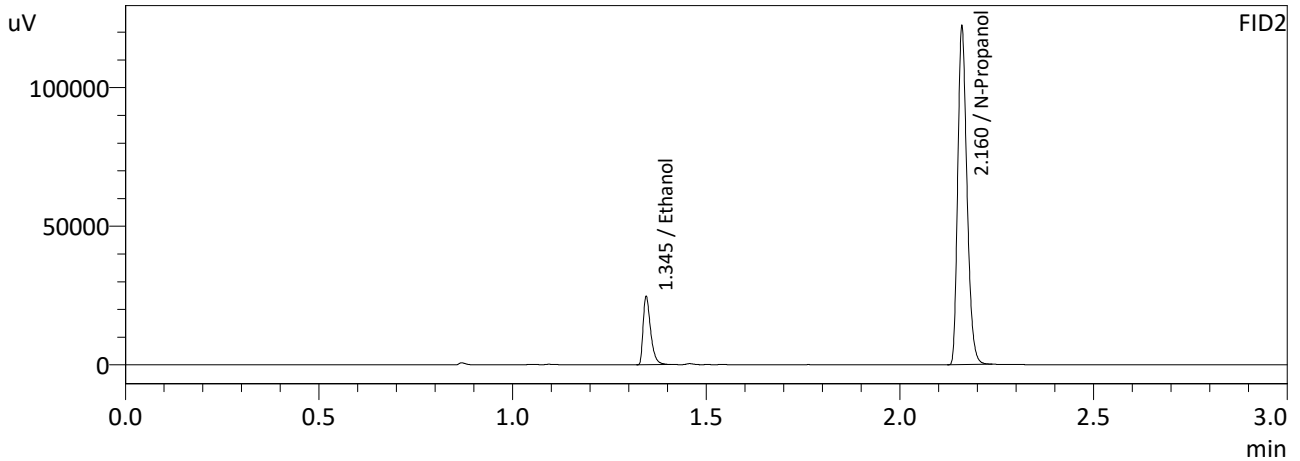
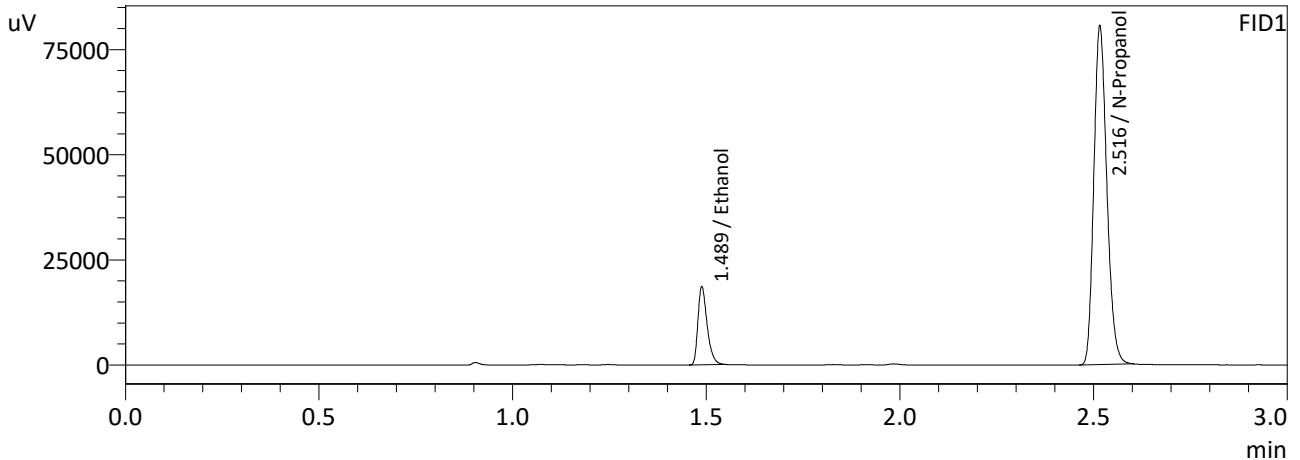
Refer To Instrument Method: ALCOHOL_240320NB.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.078	0.074	0.082	0.004

Reported Results	
0.078	

Calibration and control data are stored centrally.

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:14:53 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

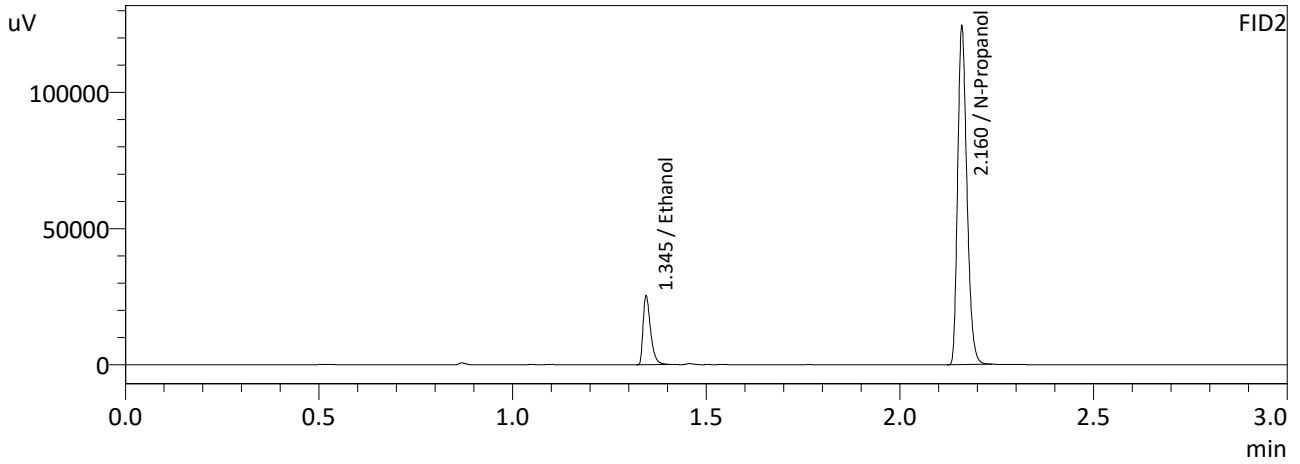
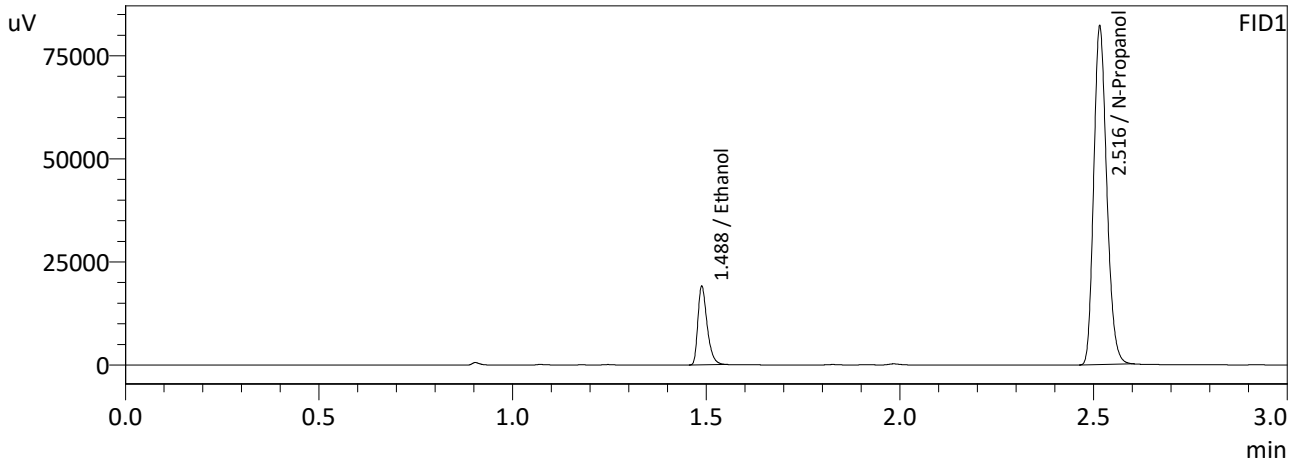
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0780	30682	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187982	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0782	33041	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202712	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:23:42 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	31653	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191665	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33929	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206535	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2			Analysis Date(s): 3/20/2024 5:43:21 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0837	0.0835	0.0002	0.0836	0.0003	0.0837
(g/100cc)	0.0839	0.0840	0.0001	0.0839		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

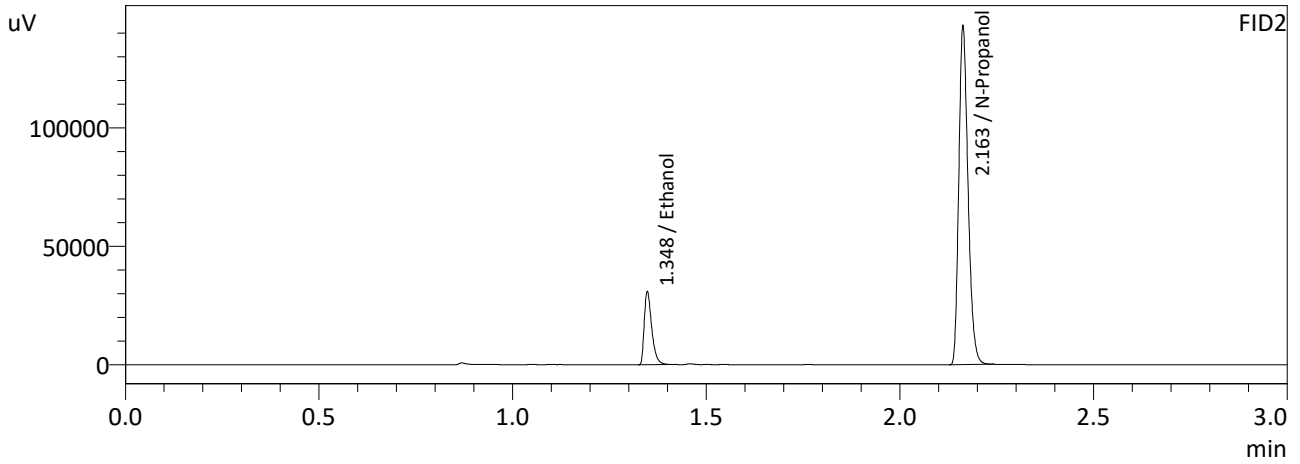
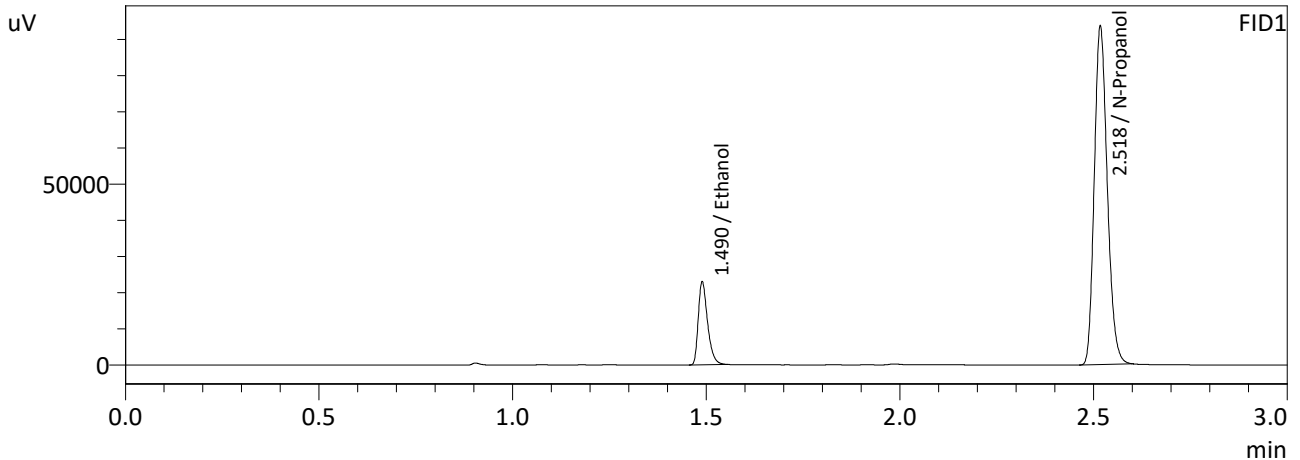
Refer To Instrument Method: ALCOHOL_240320NB.gcm

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

Reported Results	
0.083	

Calibration and control data are stored centrally.

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 3/20/2024 5:43:21 PM
 Vial # : 43
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

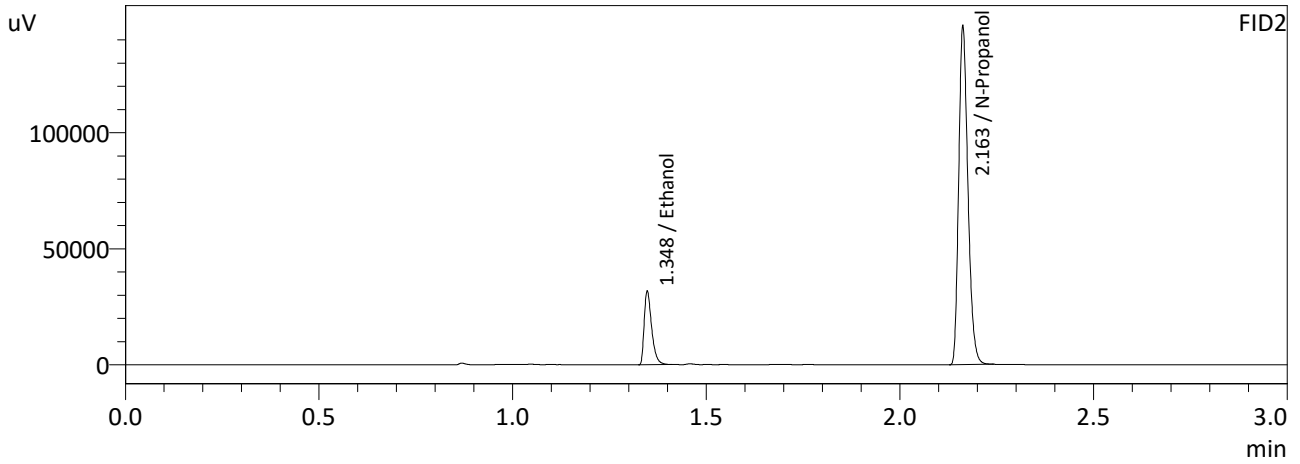
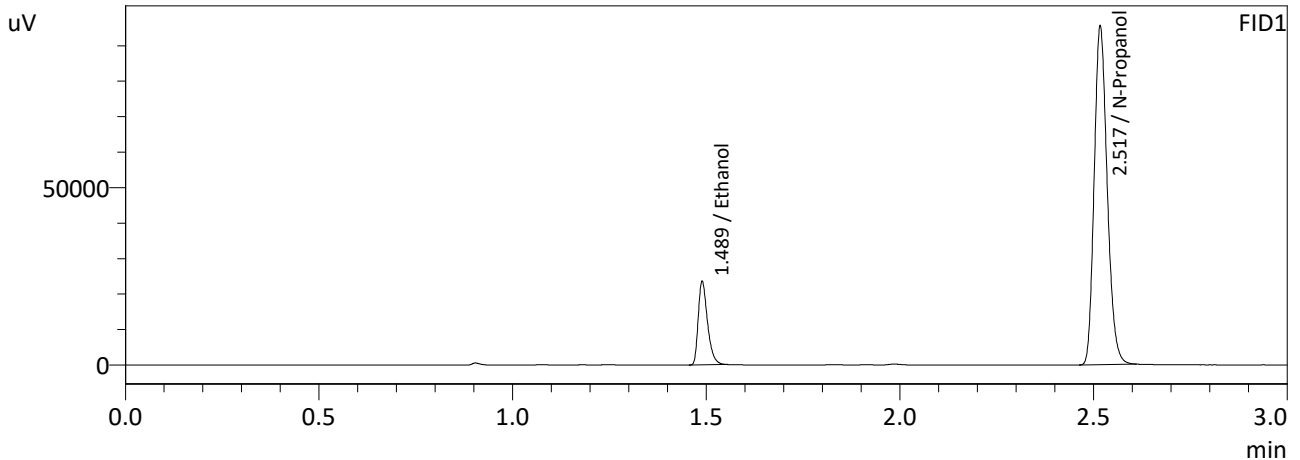
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	38307	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218232	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	41367	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236859	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 3/20/2024 5:51:01 PM
 Vial # : 44
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0839	39251	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222946	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	42446	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	241521	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1			Analysis Date(s): 3/20/2024 3:15:17 PM(-06:00)			
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2082	0.2080	0.0002	0.2081	0.0007	0.2077
(g/100cc)	0.2075	0.2073	0.0002	0.2074		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

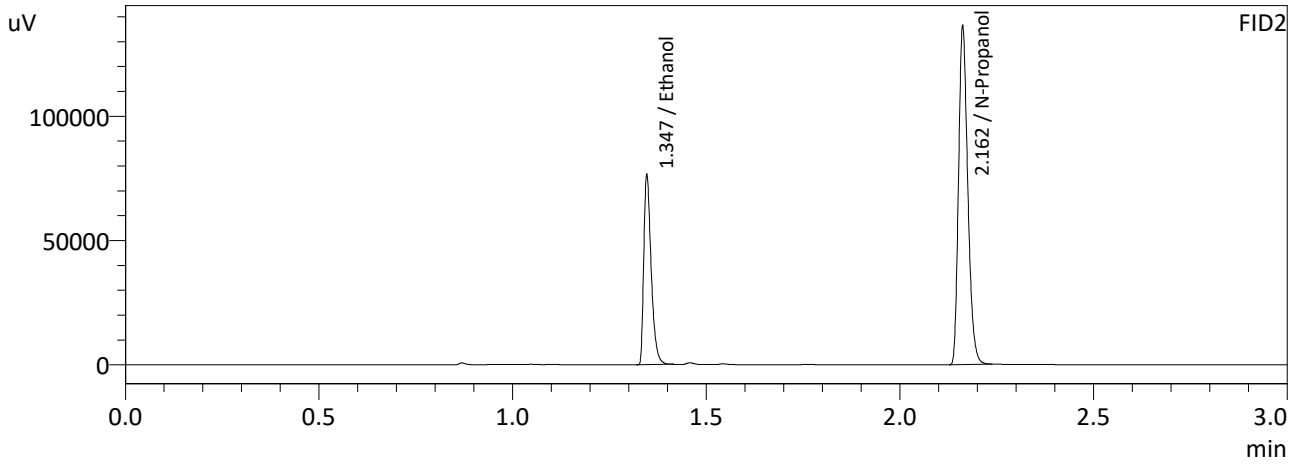
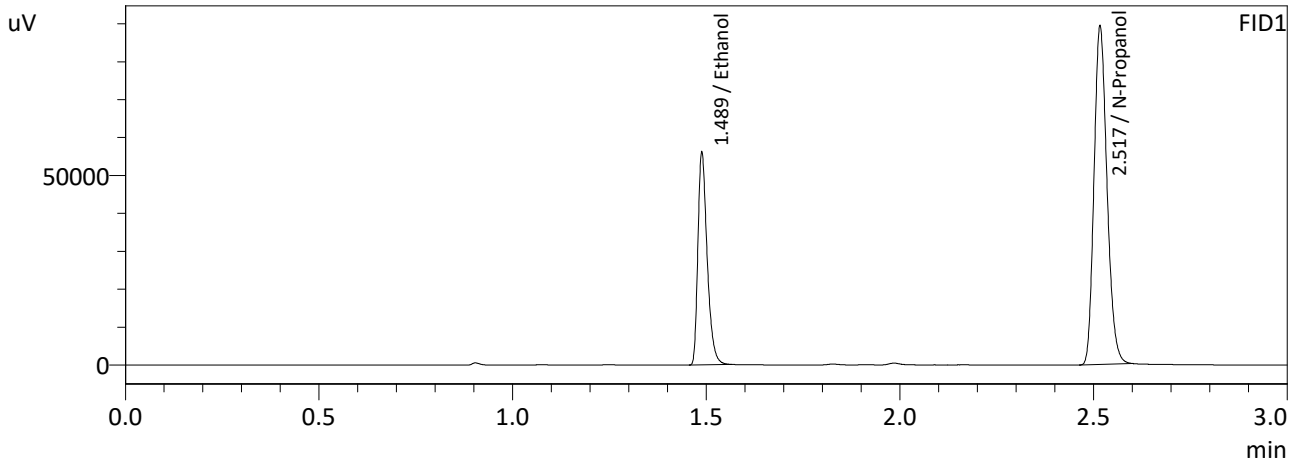
Refer To Instrument Method: ALCOHOL_240320NB.gcm

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.

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 3/20/2024 3:15:17 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

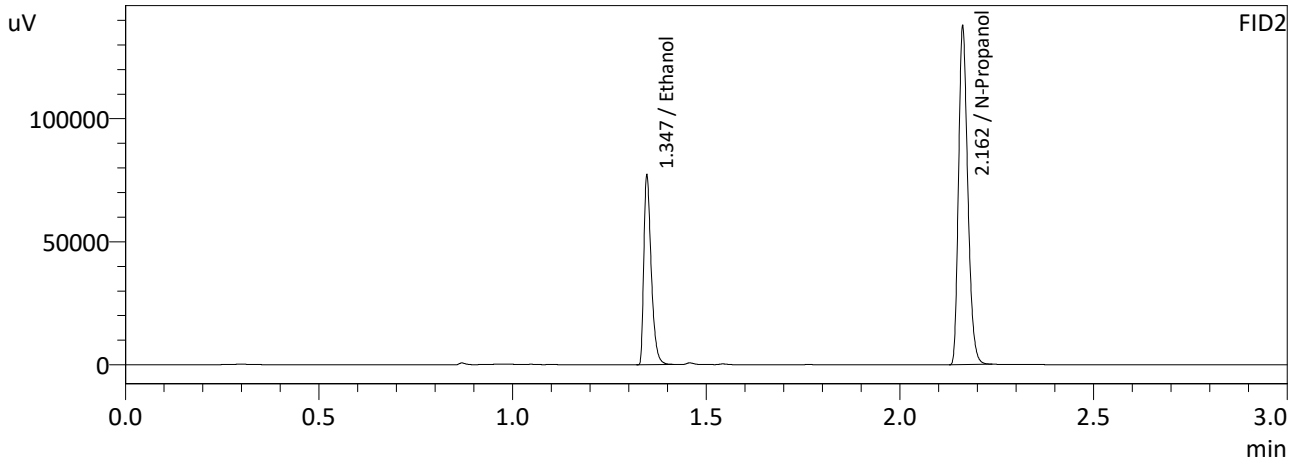
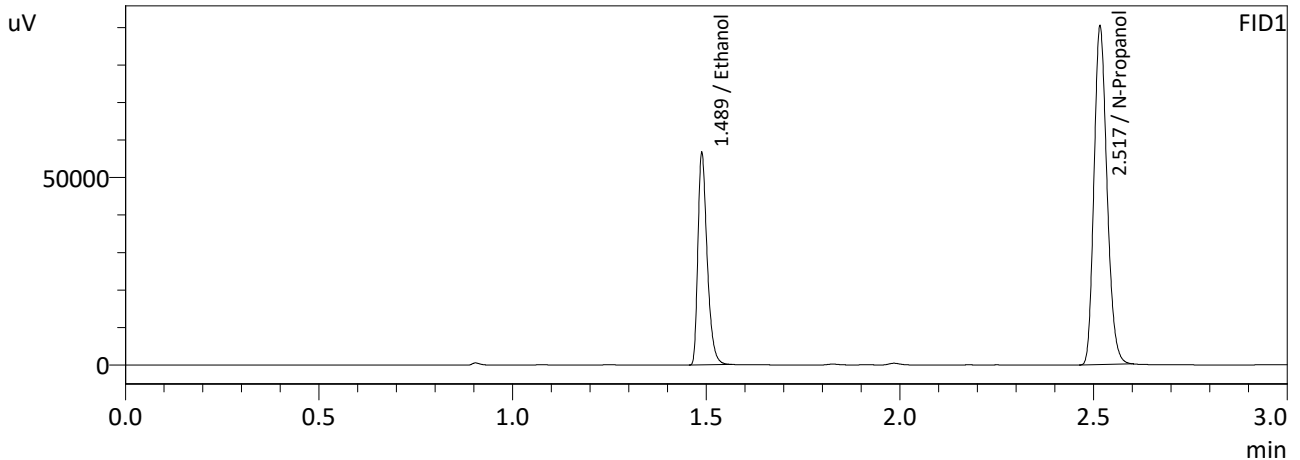
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2082	93257	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208280	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	101297	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225647	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 3/20/2024 3:23:39 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	93951	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210576	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2073	102055	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228101	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 3/20/2024 6:00:31 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2125	0.2124	0.0001	0.2124	0.0024	0.2112
(g/100cc)	0.2101	0.2100	0.0001	0.2100		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

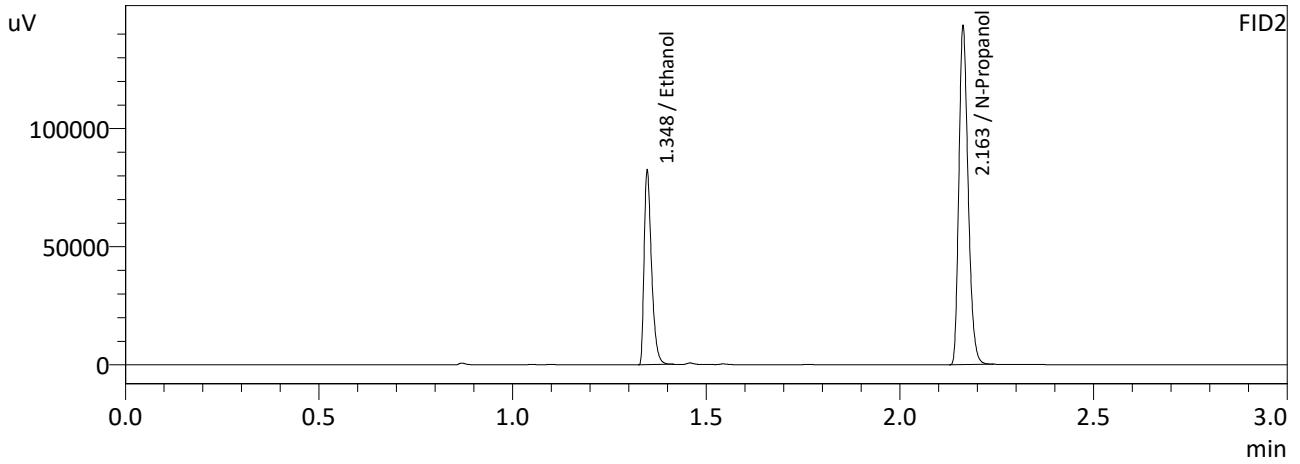
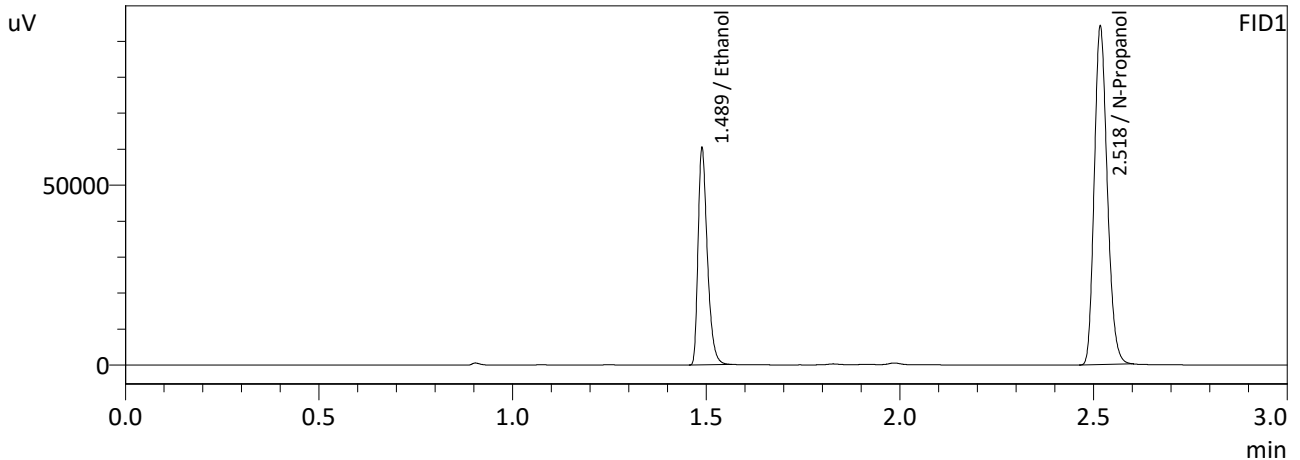
Refer To Instrument Method: ALCOHOL_240320NB.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.211	0.200	0.222	0.011

	Reported Results
	0.211

Calibration and control data are stored centrally.

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:00:31 PM
 Vial # : 45
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

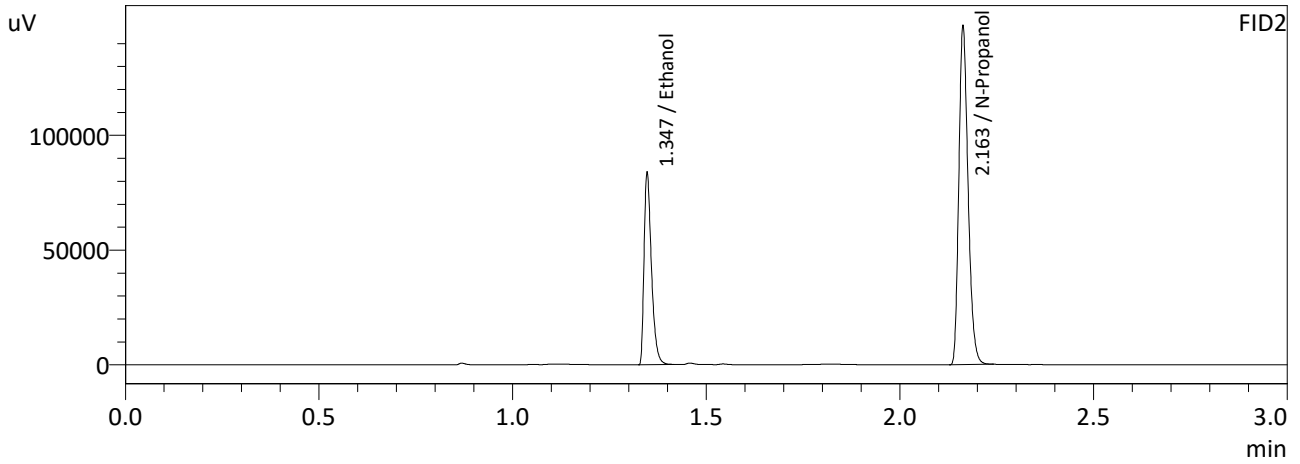
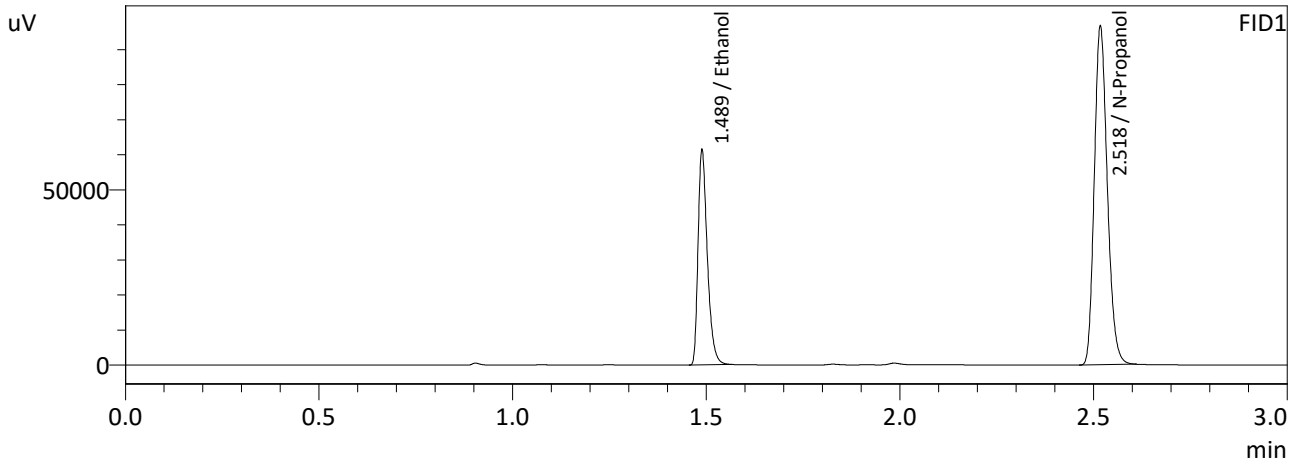
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2125	100296	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219388	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2124	109158	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237984	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:08:03 PM
 Vial # : 46
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

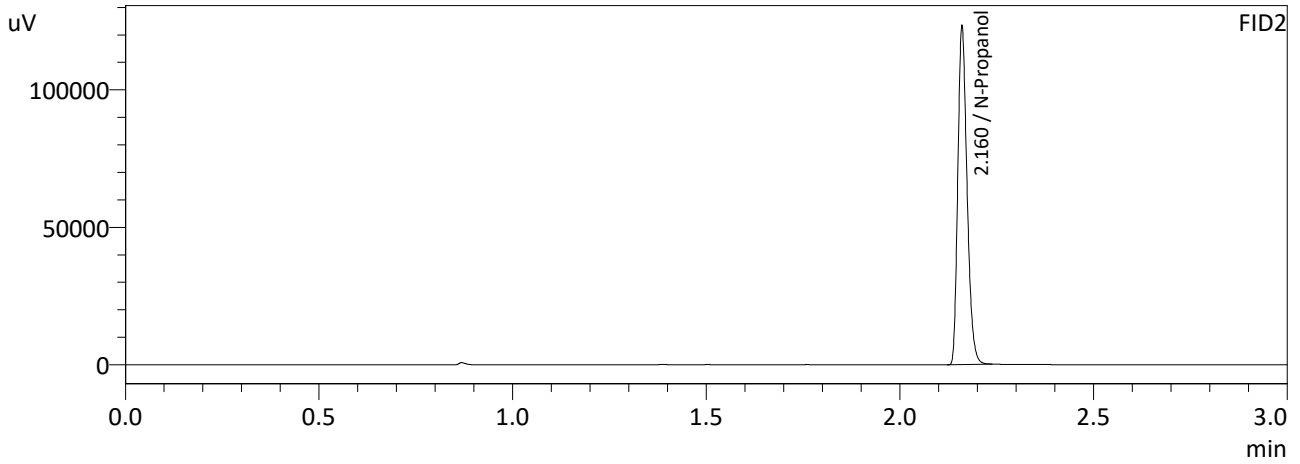
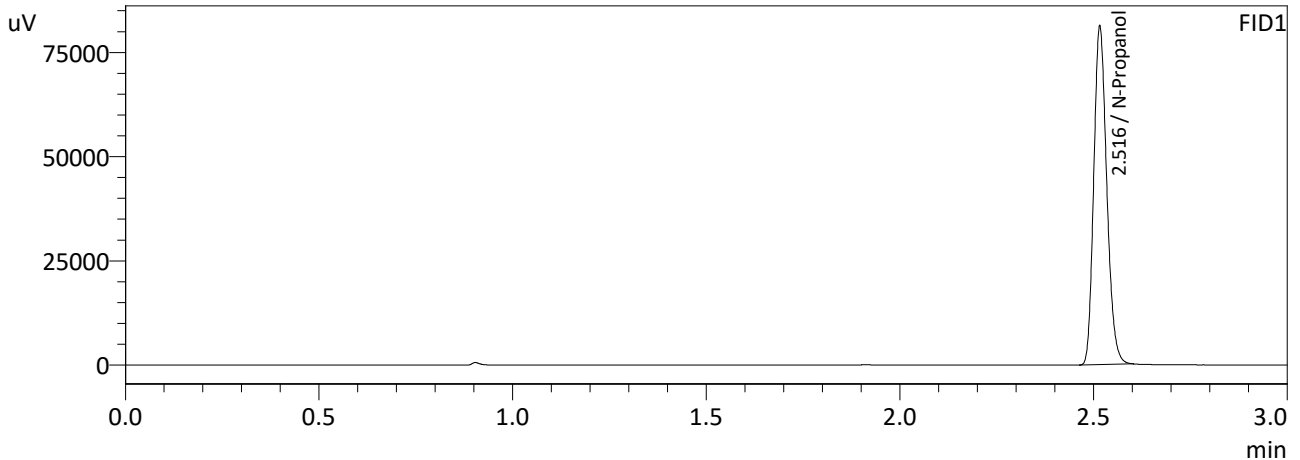
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2101	101975	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225709	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2100	110901	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	244612	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:00:03 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

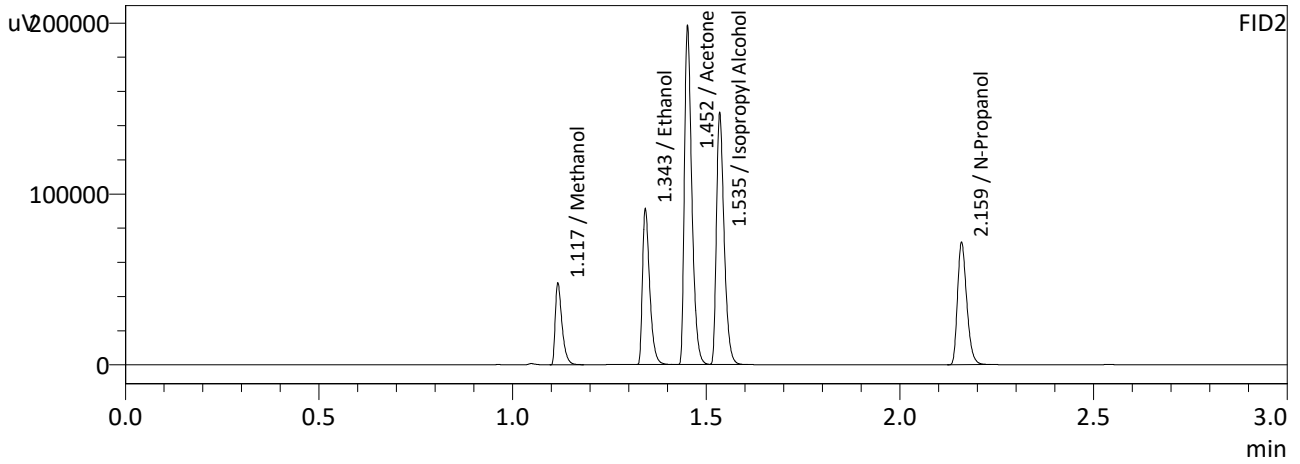
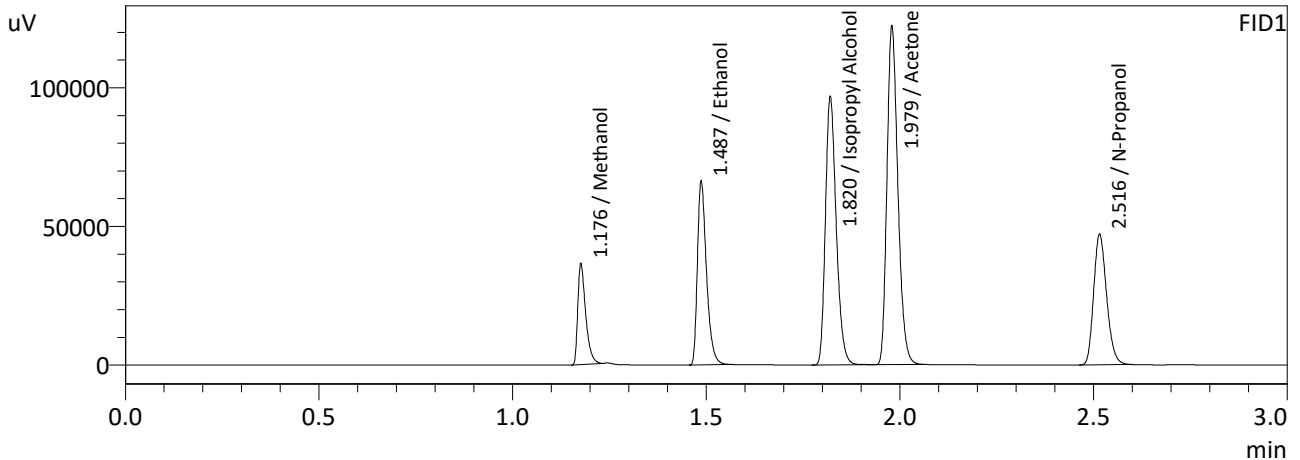
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189720	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204420	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 3/20/2024 12:07:25 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

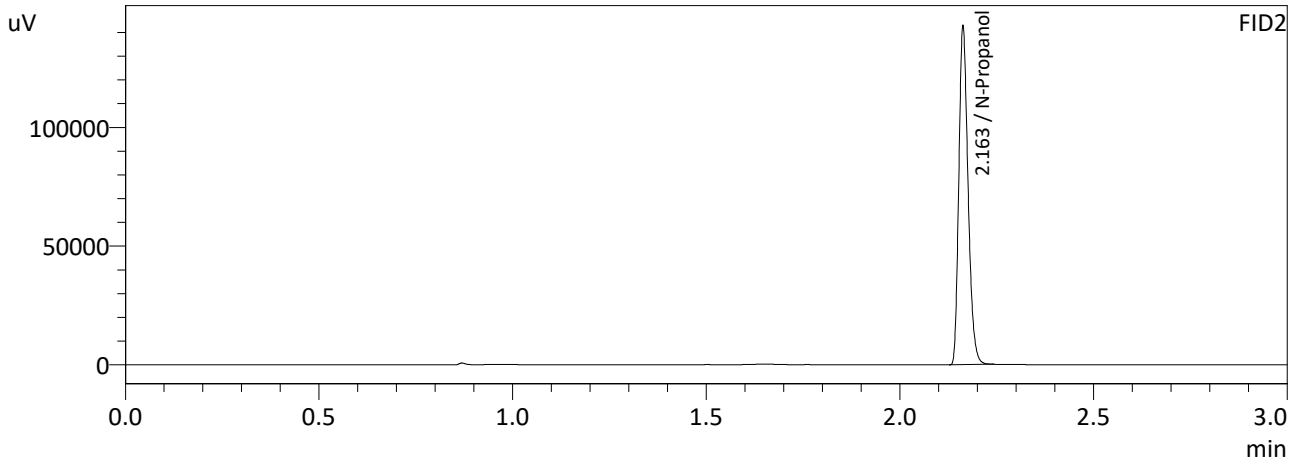
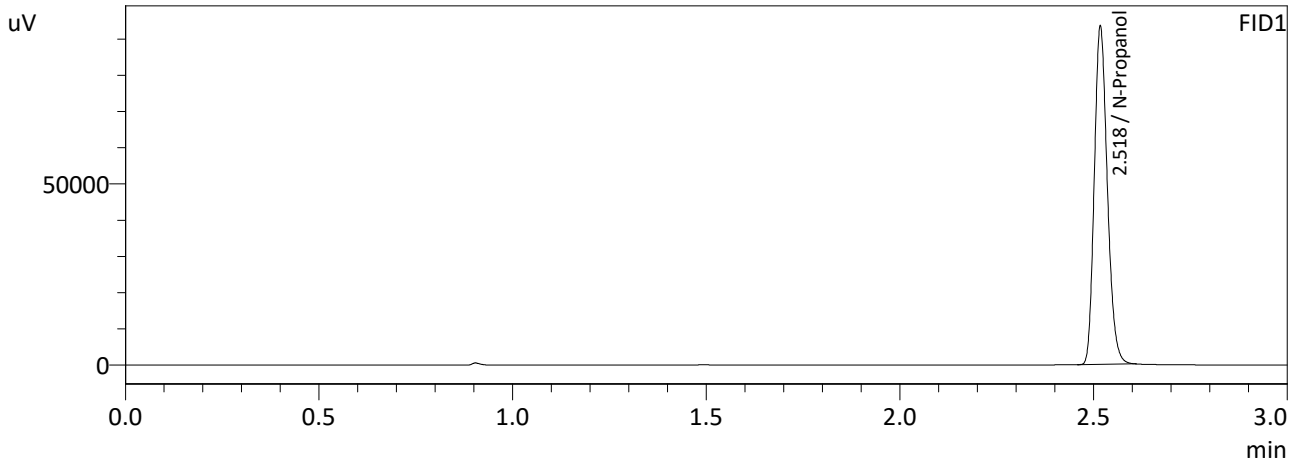
Name	Conc.	Area	Unit
Methanol	0.0000	51544	g/100cc
Ethanol	0.4536	107795	g/100cc
Isopropyl Alcohol	0.0000	187308	g/100cc
Acetone	0.0000	239219	g/100cc
N-Propanol	0.0000	109544	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	57909	g/100cc
Ethanol	0.4545	117436	g/100cc
Acetone	0.0000	262777	g/100cc
Isopropyl Alcohol	0.0000	203011	g/100cc
N-Propanol	0.0000	118371	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:15:45 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

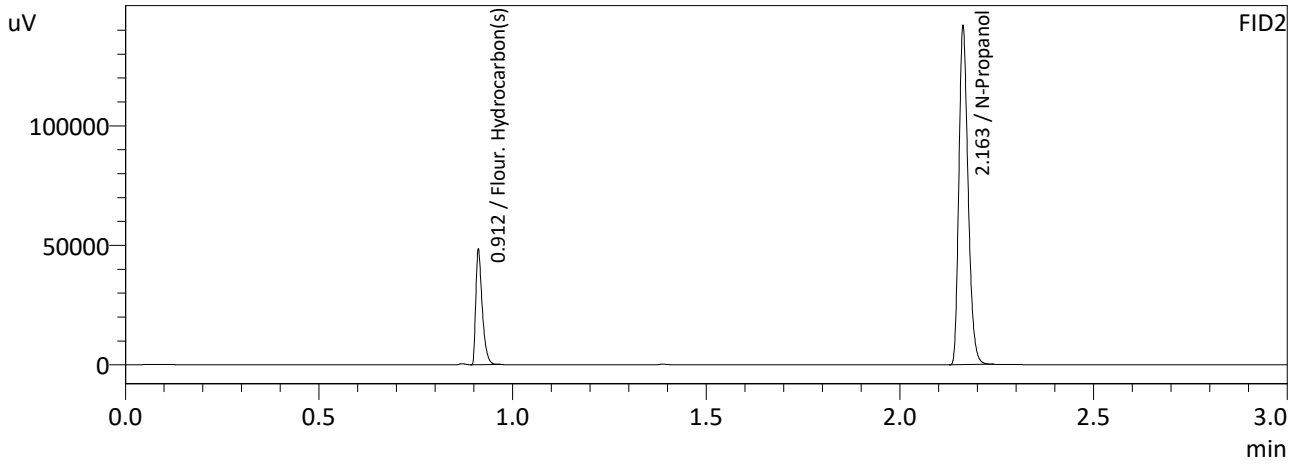
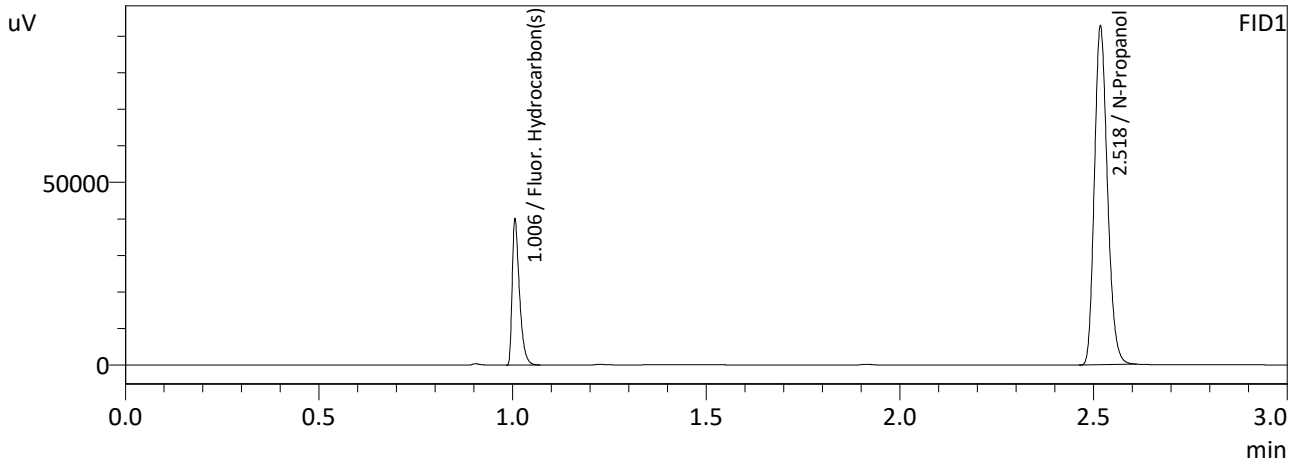
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218444	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236482	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : DFE 111914OM PREP 231024
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:24:20 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

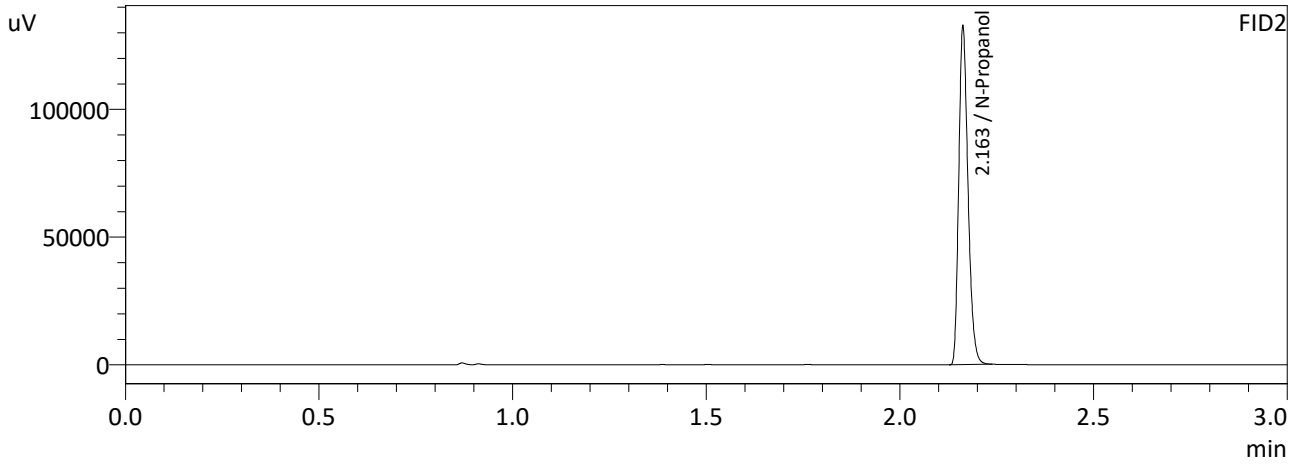
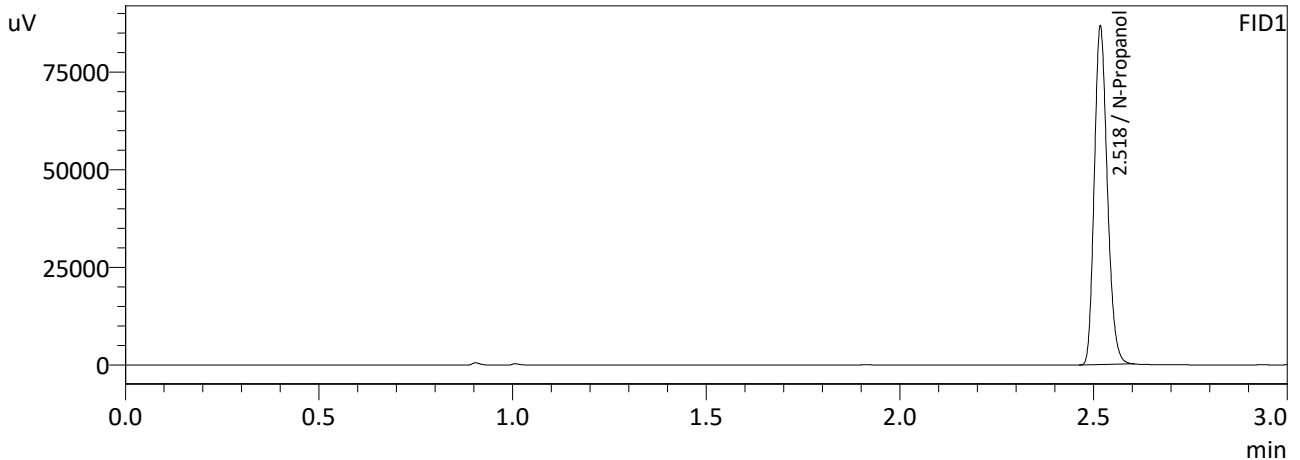
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216553	g/100cc
Fluor. Hydrocarbon(s)	0.0000	52087	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234742	g/100cc
Flour. Hydrocarbon(s)	0.0000	55567	g/100cc

NB

Sample Name : ISTD BLK 3
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:31:44 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

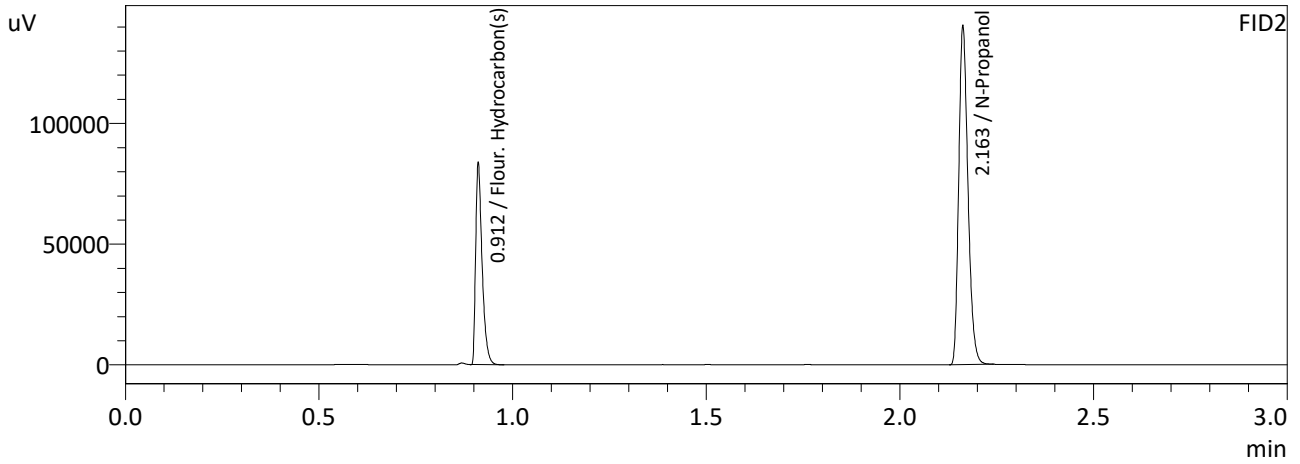
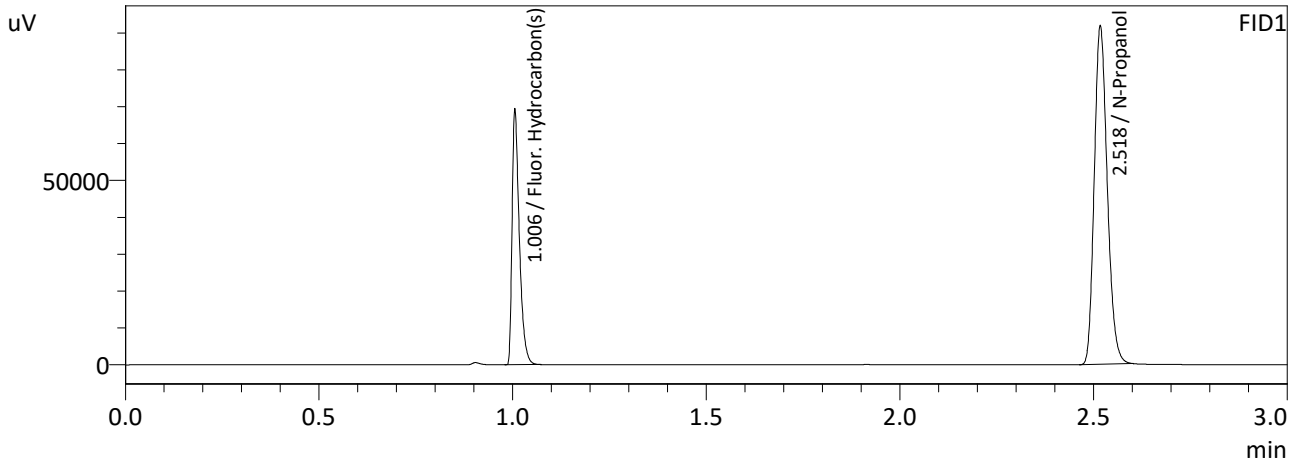
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202567	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219681	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : DFE 111914OM PREP 240320
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:39:49 PM
 Vial # : 50
 Method Filename : Default Project - ALCOHOL_240320NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

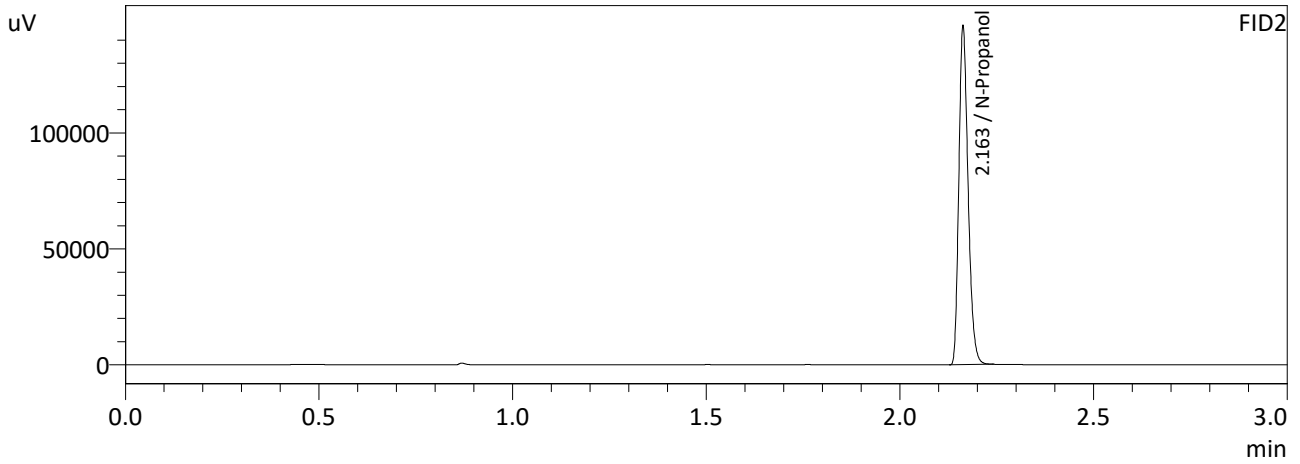
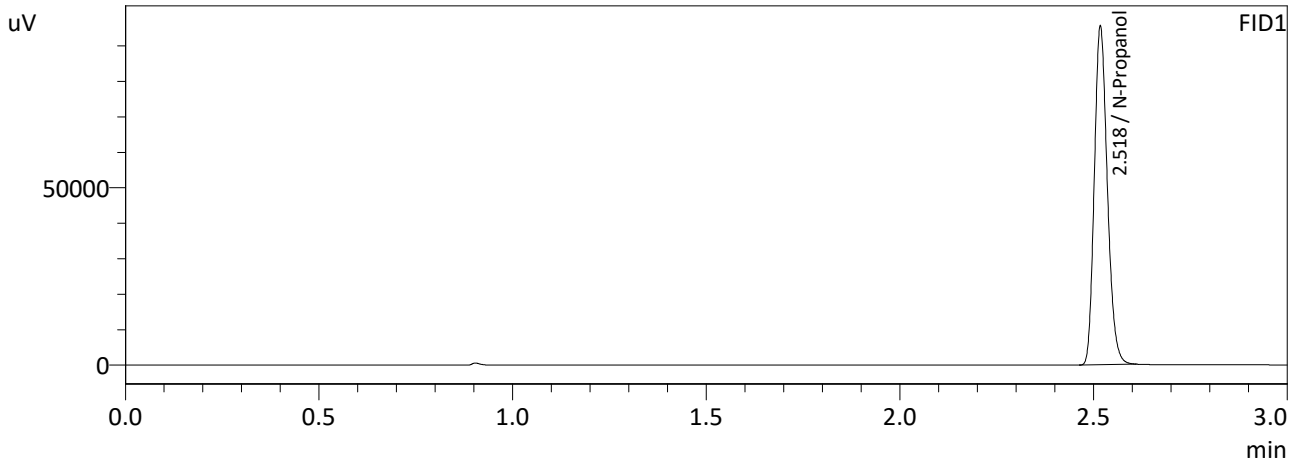
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214222	g/100cc
Fluor. Hydrocarbon(s)	0.0000	90020	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232421	g/100cc
Fluor. Hydrocarbon(s)	0.0000	96717	g/100cc

NB

Sample Name : ISTD BLK 4
 Laboratory : Meridian
 Injection Date : 3/20/2024 6:48:01 PM
 Vial # : 51
 Method Filename : Default Project - ALCOHOL_240320NB.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	223213	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	241993	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 240320NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240320NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240320NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240320NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240320NB.gcm
7	M2024-0484-1	0:Unknown	0	ALCOHOL 240320NB.gcm
8	M2024-0484-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
9	M2024-0484-2	0:Unknown	0	ALCOHOL 240320NB.gcm
10	M2024-0484-2-B	0:Unknown	0	ALCOHOL 240320NB.gcm
11	M2024-0484-3	0:Unknown	0	ALCOHOL 240320NB.gcm
12	M2024-0484-3-B	0:Unknown	0	ALCOHOL 240320NB.gcm
13	M2024-0484-4	0:Unknown	0	ALCOHOL 240320NB.gcm
14	M2024-0484-4-B	0:Unknown	0	ALCOHOL 240320NB.gcm
15	M2024-1021-1	0:Unknown	0	ALCOHOL 240320NB.gcm
16	M2024-1021-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
17	M2024-1022-1	0:Unknown	0	ALCOHOL 240320NB.gcm
18	M2024-1022-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
19	M2024-1023-1	0:Unknown	0	ALCOHOL 240320NB.gcm
20	M2024-1023-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
21	M2024-1024-1	0:Unknown	0	ALCOHOL 240320NB.gcm
22	M2024-1024-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
23	M2024-1028-1	0:Unknown	0	ALCOHOL 240320NB.gcm
24	M2024-1028-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240320NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
27	M2024-1039-1	0:Unknown	0	ALCOHOL 240320NB.gcm
28	M2024-1039-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
29	M2024-1075-1	0:Unknown	0	ALCOHOL 240320NB.gcm
30	M2024-1075-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
31	M2024-1076-1	0:Unknown	0	ALCOHOL 240320NB.gcm
32	M2024-1076-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
33	M2024-1082-1	0:Unknown	0	ALCOHOL 240320NB.gcm
34	M2024-1082-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
35	M2024-1116-1	0:Unknown	0	ALCOHOL 240320NB.gcm
36	M2024-1116-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
37	M2024-1122-1	0:Unknown	0	ALCOHOL 240320NB.gcm
38	M2024-1122-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
39	M2024-1124-1	0:Unknown	0	ALCOHOL 240320NB.gcm
40	M2024-1124-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
41	M2024-1134-1	0:Unknown	0	ALCOHOL 240320NB.gcm
42	M2024-1134-1-B	0:Unknown	0	ALCOHOL 240320NB.gcm
43	QC-1-2	0:Unknown	0	ALCOHOL 240320NB.gcm
44	QC-1-2-B	0:Unknown	0	ALCOHOL 240320NB.gcm
45	QC-2-2	0:Unknown	0	ALCOHOL 240320NB.gcm
46	QC-2-2-B	0:Unknown	0	ALCOHOL 240320NB.gcm
47	ISTD BLK 2	0:Unknown	0	ALCOHOL 240320NB.gcm
48	FE 111914OM PREP 23102	0:Unknown	0	ALCOHOL 240320NB.gcm
49	ISTD BLK 3	0:Unknown	0	ALCOHOL 240320NB.gcm
50	FE 111914OM PREP 24032	0:Unknown	0	ALCOHOL 240320NB.gcm
51	ISTD BLK 4	0:Unknown	0	ALCOHOL 240320NB.gcm