



















Worklist: 6660

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1204	6	UCK	Alcohol Analysis	
M2024-0015	2	UCK	Alcohol Analysis	
M2024-0020	2	UCK	Alcohol Analysis	
M2024-0088		BCK	Alcohol Analysis	
M2024-0089		BCK	Alcohol Analysis	
M2024-0119		BCK	Alcohol Analysis	
M2024-0120		BCK	Alcohol Analysis	
M2024-0121		BCK	Alcohol Analysis	
M2024-0136		BCK	Alcohol Analysis	
M2024-0157		BCK	Alcohol Analysis	
M2024-0162		BCK	Alcohol Analysis	
M2024-0193		BCK	Alcohol Analysis	
M2024-0222		BCK	Alcohol Analysis	
M2024-0223		BCK	Alcohol Analysis	
M2024-0250		BCK	Alcohol Analysis	
M2024-0251		BCK	Alcohol Analysis	
M2024-0260		BCK	Alcohol Analysis	
M2024-0261		BCK	Alcohol Analysis	
M2024-0262		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):

1/23/24

Calibration Date: 1/23/24

Worklist #:

6660

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0780 g/100cc	
					0.0829 g/100cc	
					g/100cc	
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2074 g/100cc	
					0.2105 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99995	Column2	0.99993

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0511	0.0511	0	0.0511
100	0.100	0.090 - 0.110	0.1001	0.1007	0.0006	0.1004
200	0.200	0.180 - 0.220	0.1979	0.1975	0.0004	0.1977
300	0.300	0.270 - 0.330	0.2999	0.2996	0.0003	0.2997
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5006	0.5009	0.0003	0.5007

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

REVIEWED
By Galina Giso at 12:03 pm, Jan 24, 2024

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

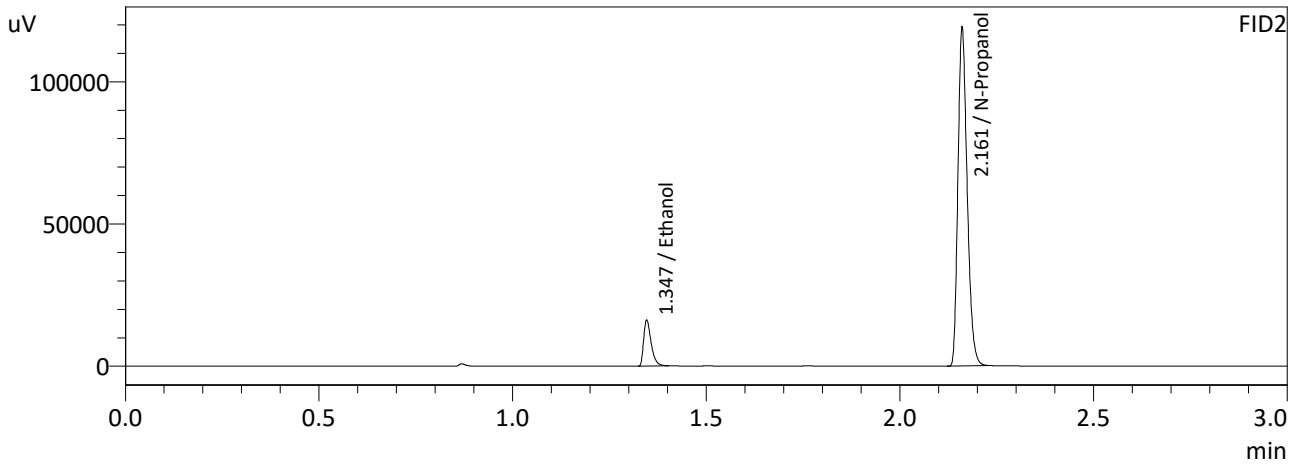
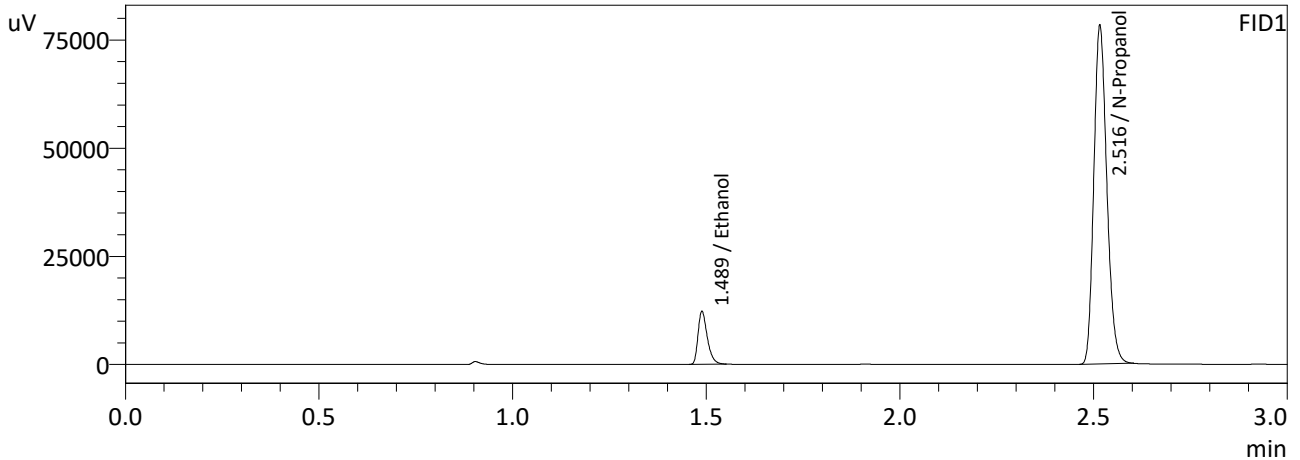
Worklist #: 6660 **Run Date(s):** 1/23/24

Internal Standard Solution:	Prep Date: 12/5/2023	Exp Date: 6/5/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	182452	197286
0.080	177066	191169
QC1	180238	194256
QC1	182321	196775
QC1	210185	228143
QC1	209675	227524
QC1		
QC1		
QC2	200531	217122
QC2	204549	222524
QC2	216936	235356
QC2	225442	244876
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	198939.5	159151.6	238727.4
Column 2	215503.1	172402.5	258603.7

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 1/23/2024 2:24:00 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

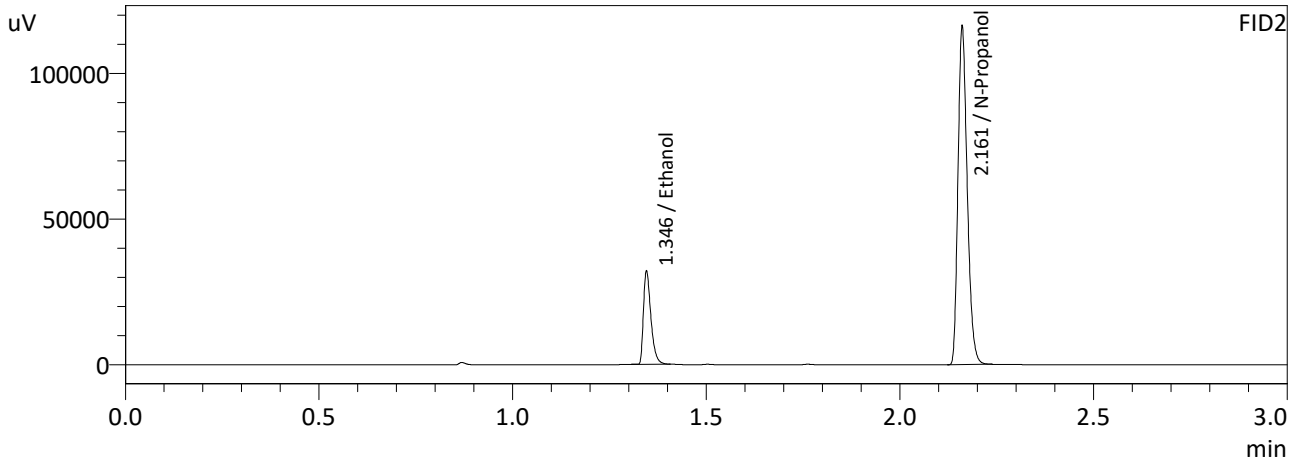
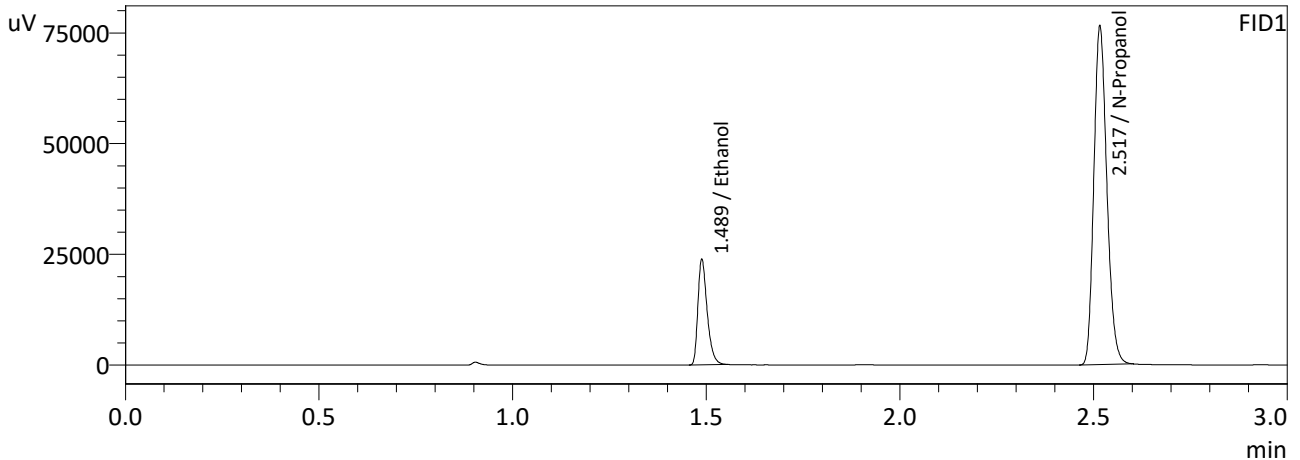
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0511	20328	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182945	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0511	21654	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197326	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 1/23/2024 2:31:19 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

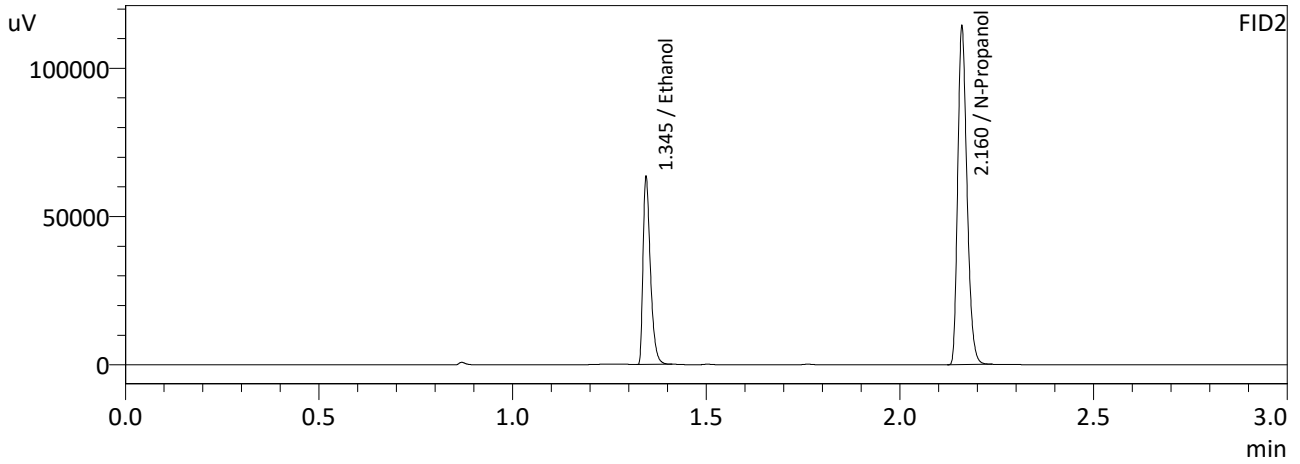
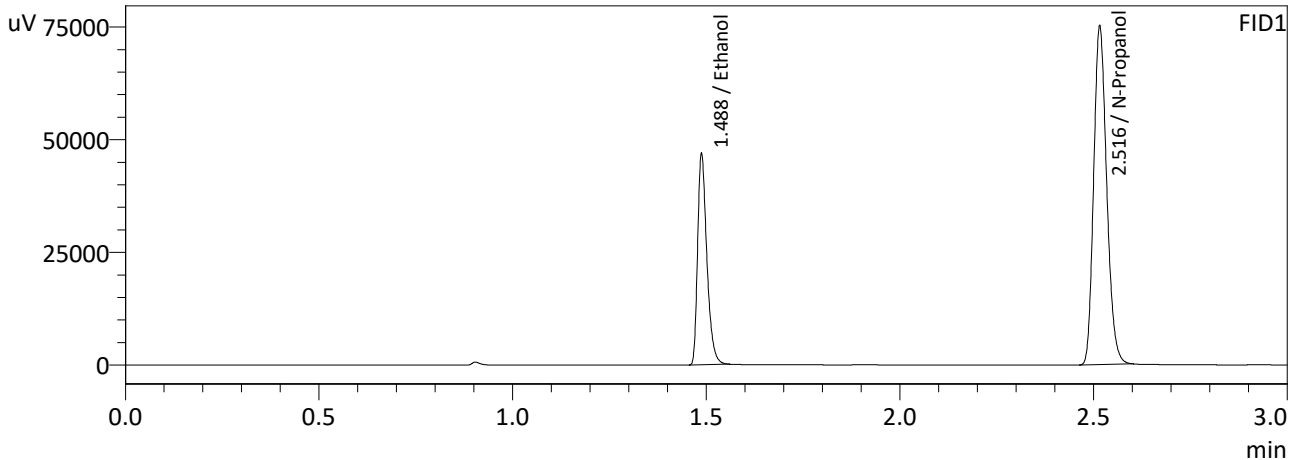
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	39562	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178721	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1007	42841	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192949	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 1/23/2024 2:38:43 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

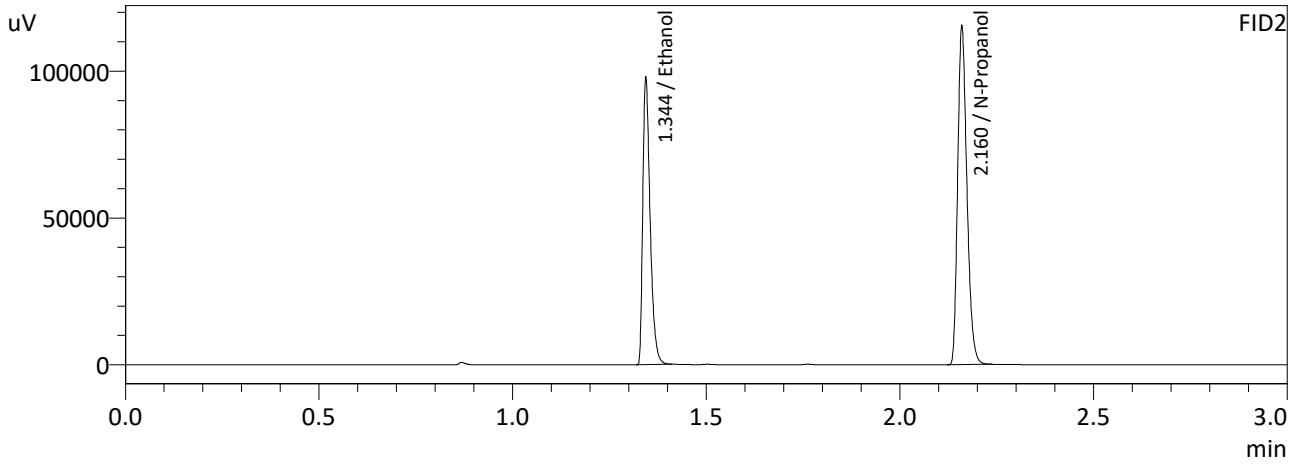
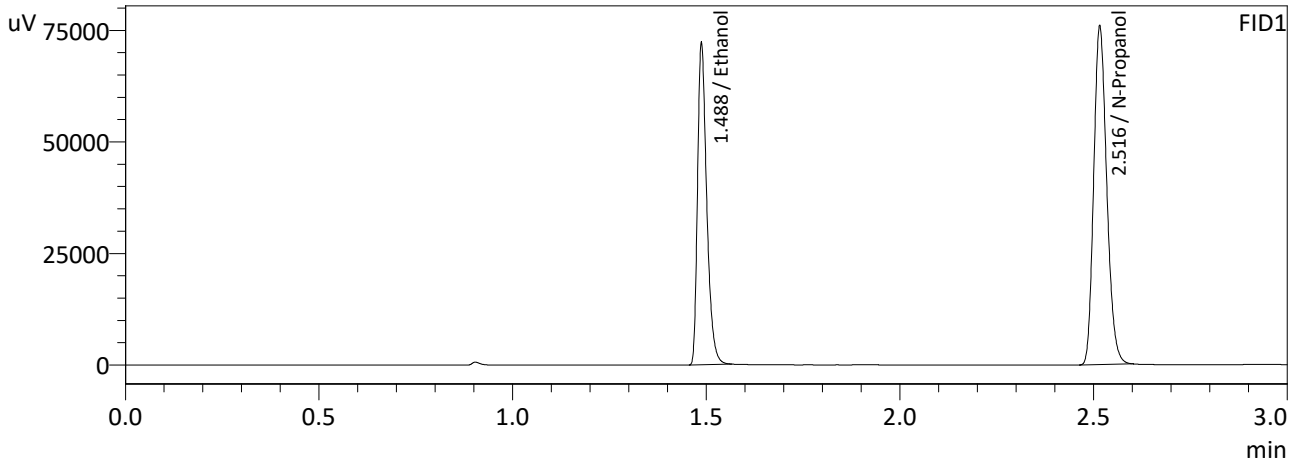
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1979	77552	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175718	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	83633	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189610	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 1/23/2024 2:47:29 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

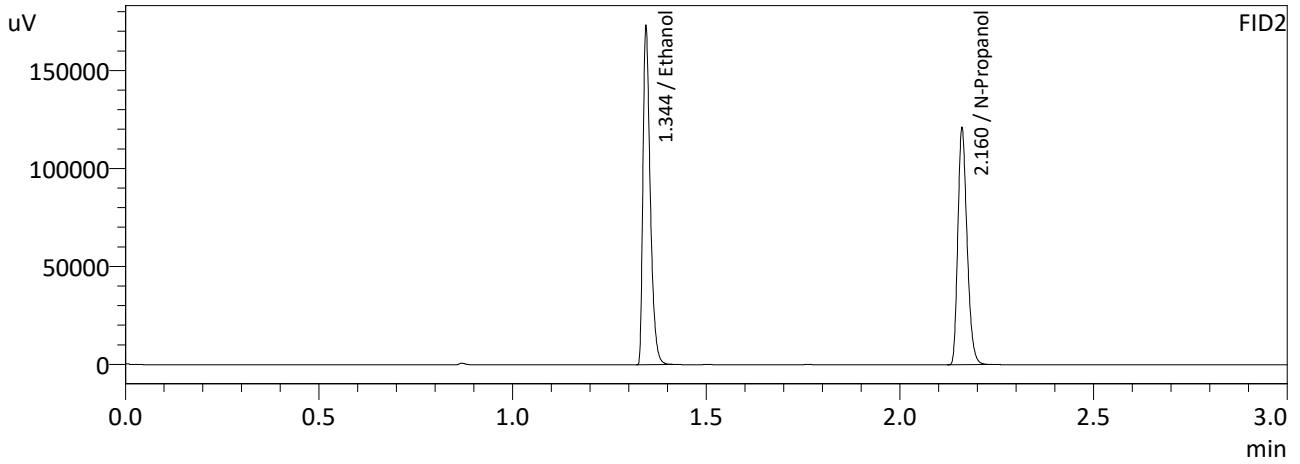
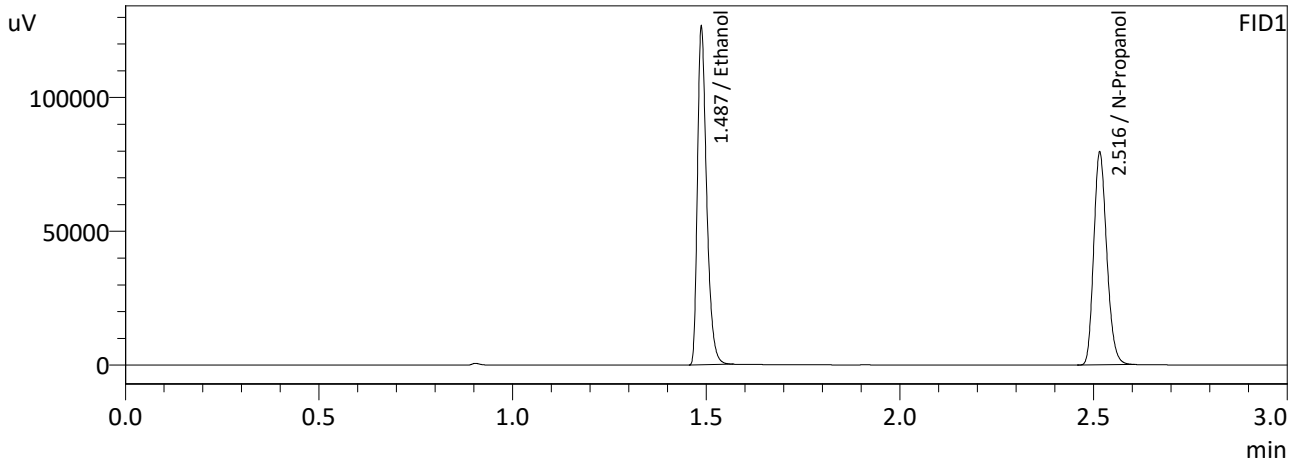
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2999	118989	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177402	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2996	128534	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191216	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 1/23/2024 2:56:08 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

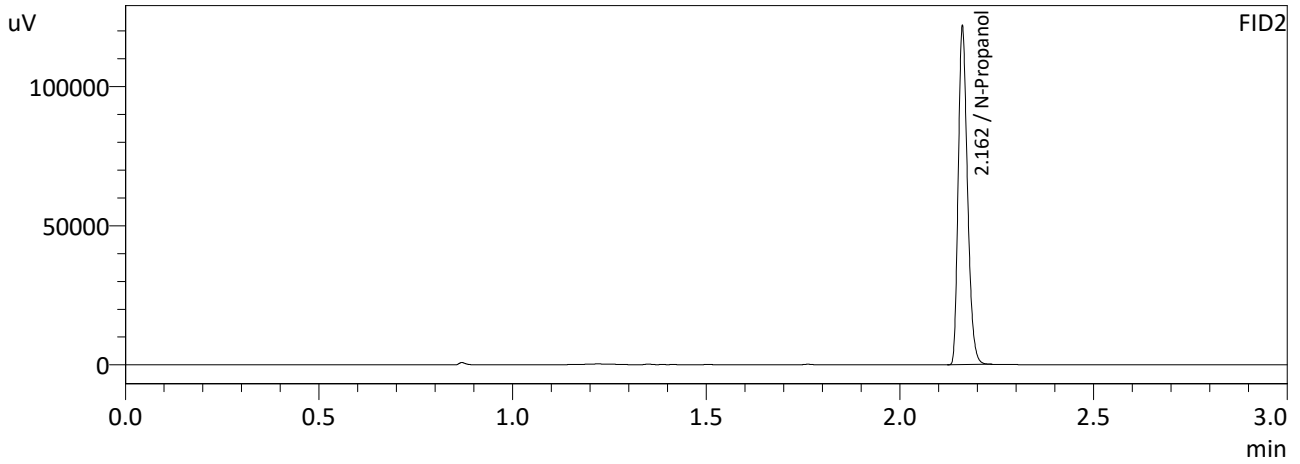
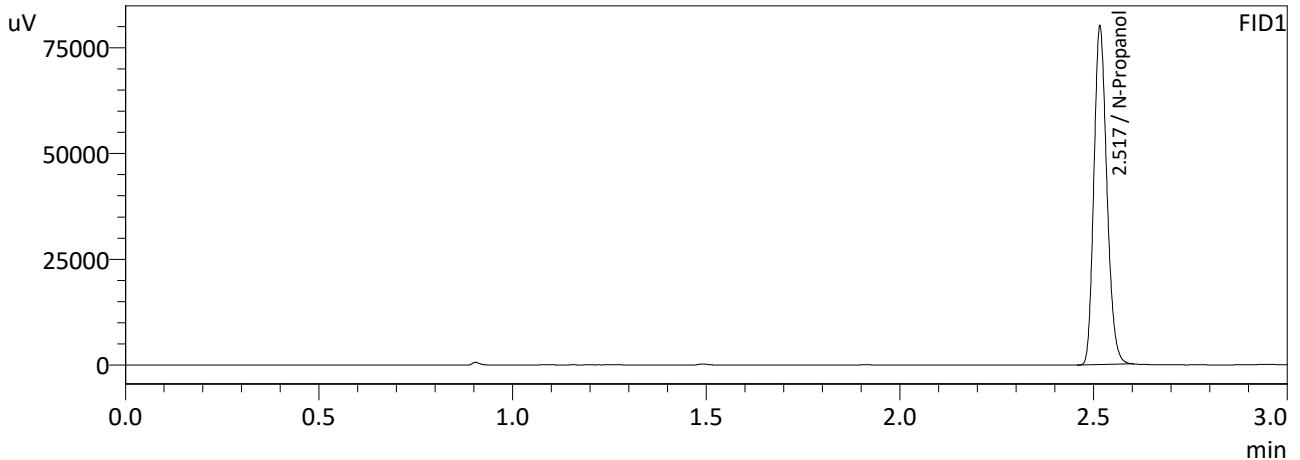
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5006	208343	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185664	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5009	226044	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200392	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 1/23/2024 3:03:34 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240123NB.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	186556	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

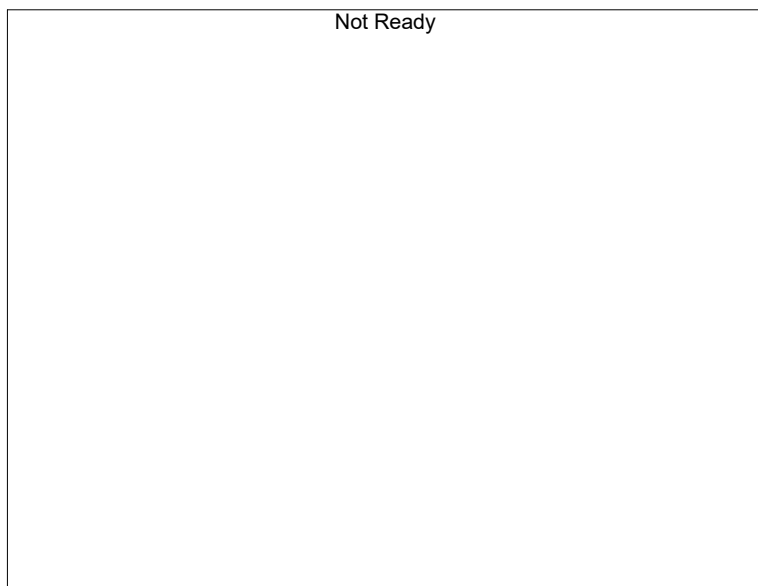
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201937	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Calibration Table

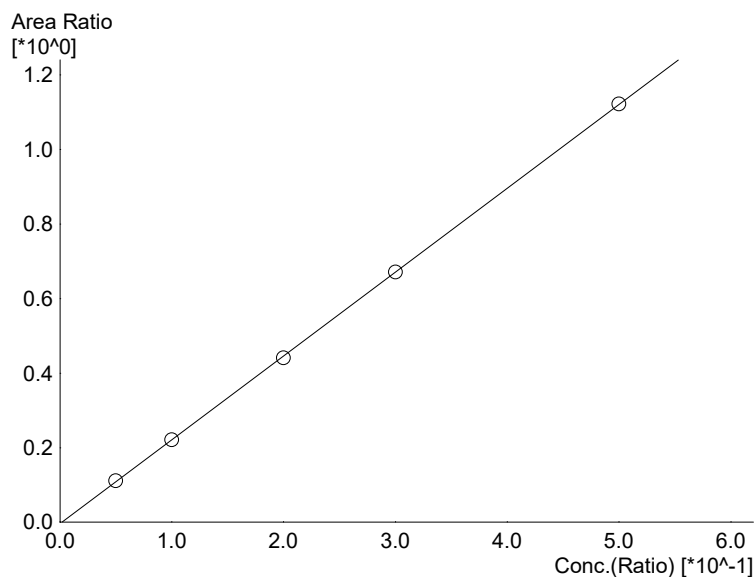
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File : Default Project - ALCOHOL_240123NB.gcm
 Date Created : 1/23/2024 8:06:23 AM
 Date Modified : 1/23/2024 3:32:11 PM



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

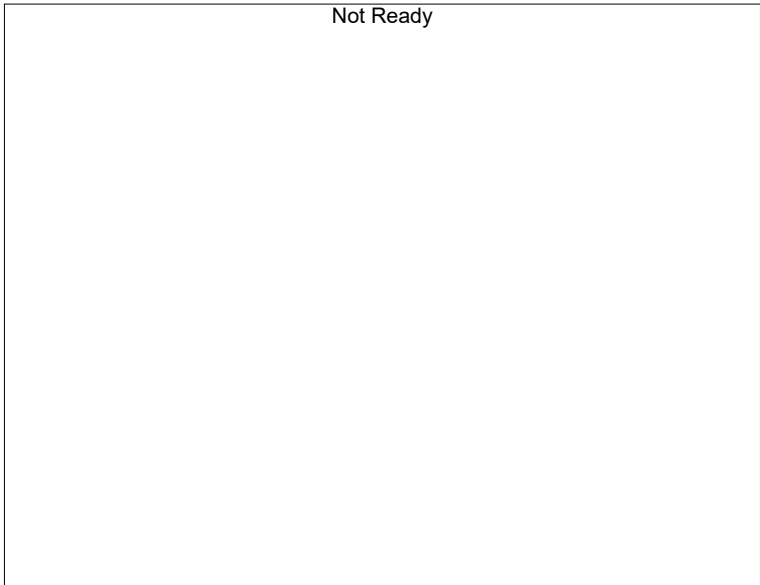
#	Conc.	Area	Std. Conc.
---	-------	------	------------



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.24933*x-0.00400589$
 R² value= 0.9999539
 FitType: Linear
 ZeroThrough: Not Through

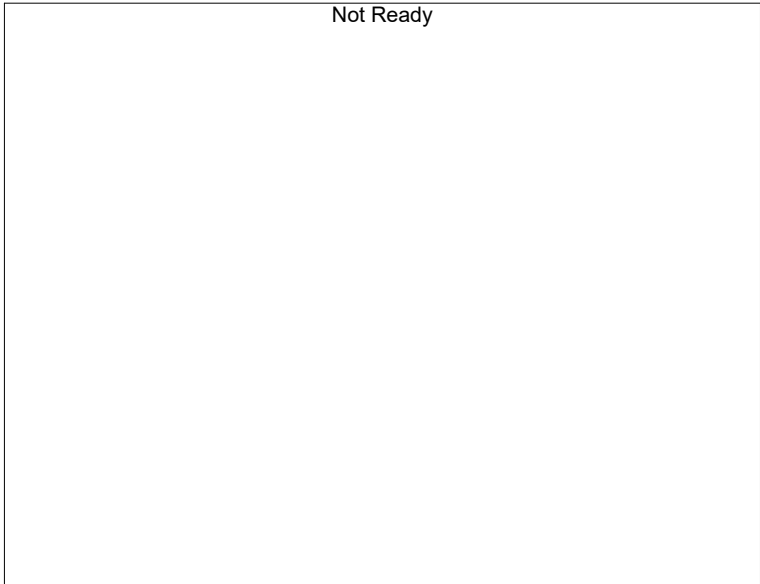
#	Conc.	Area	Std. Conc.
1	0.050	20328	0.0511
2	0.100	39562	0.1001
3	0.200	77552	0.1979
4	0.300	118989	0.2999
5	0.500	208343	0.5006

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



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

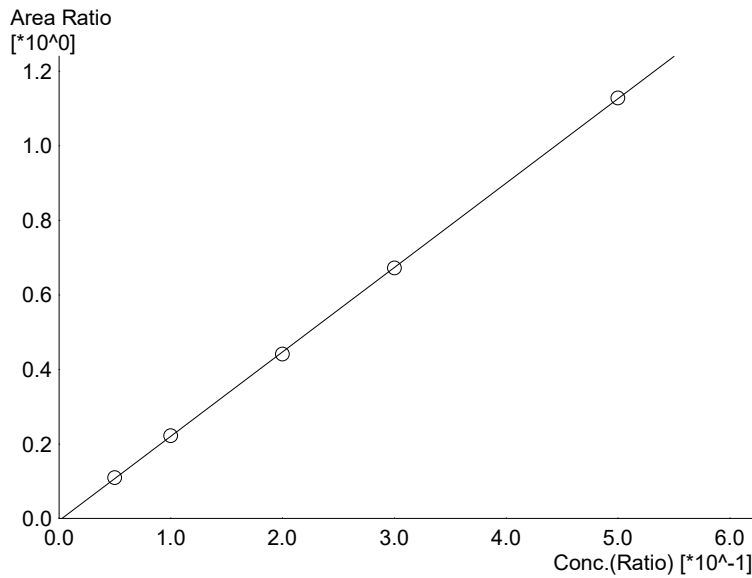
#	Conc.	Area	Std. Conc.
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NB



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 : $f(x)=2.26380*x-0.00606423$
 R² value= 0.9999286
 FitType: Linear
 ZeroThrough: Not Through

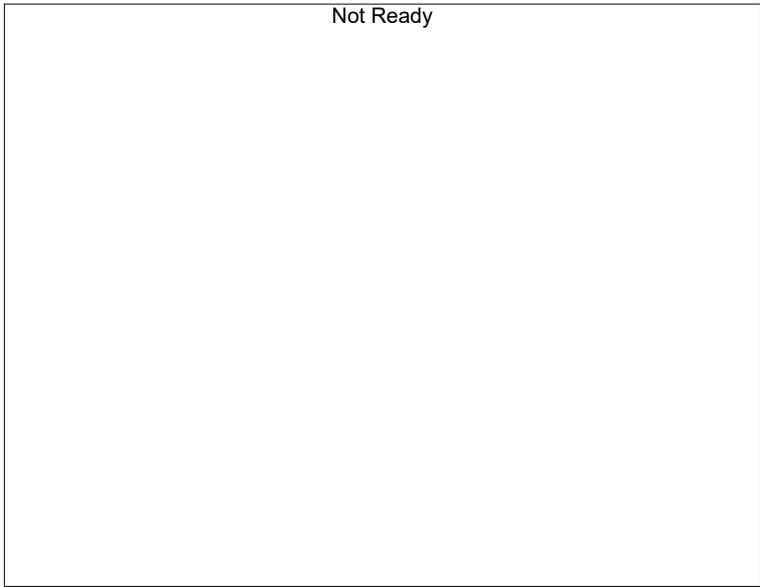
#	Conc.	Area	Std. Conc.
1	0.050	21654	0.0511
2	0.100	42841	0.1007
3	0.200	83633	0.1975
4	0.300	128534	0.2996
5	0.500	226044	0.5009



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

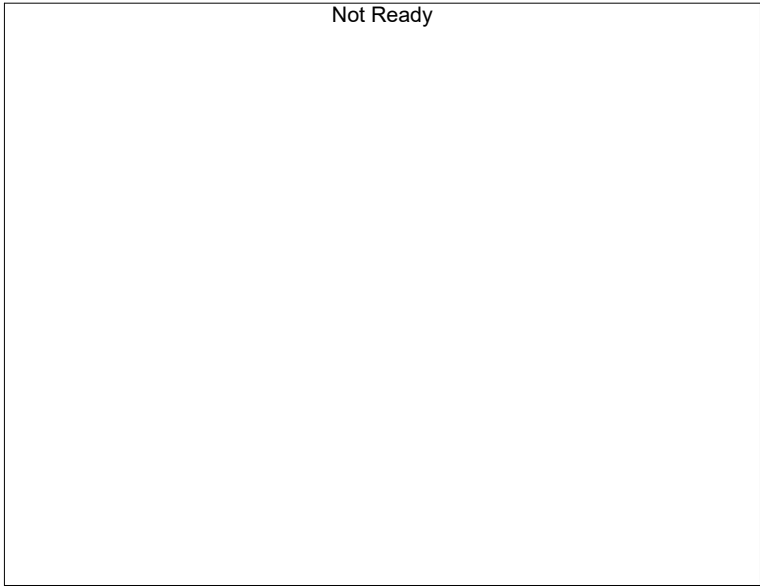
#	Conc.	Area	Std. Conc.
---	-------	------	------------

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

NB

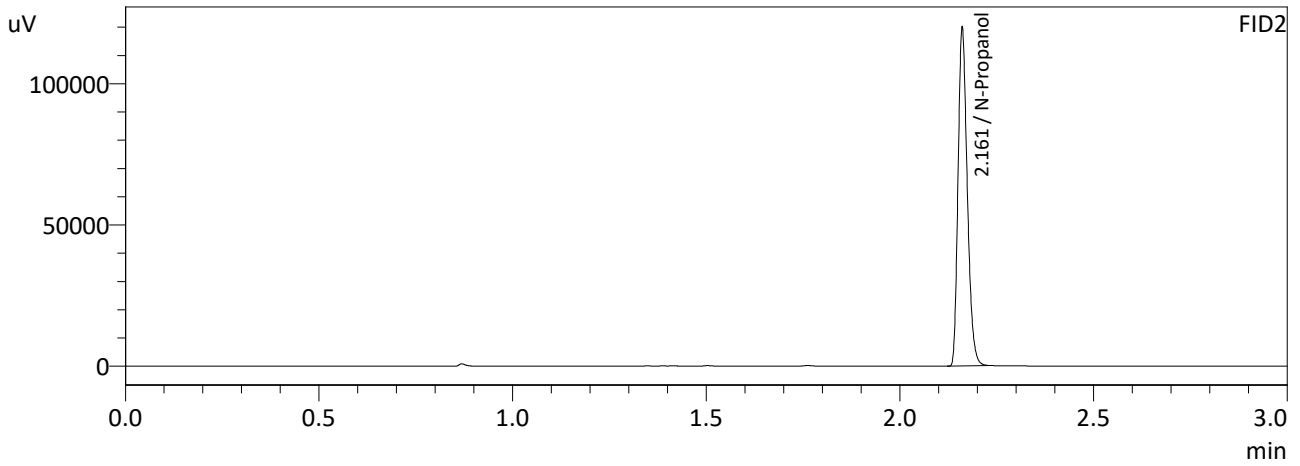
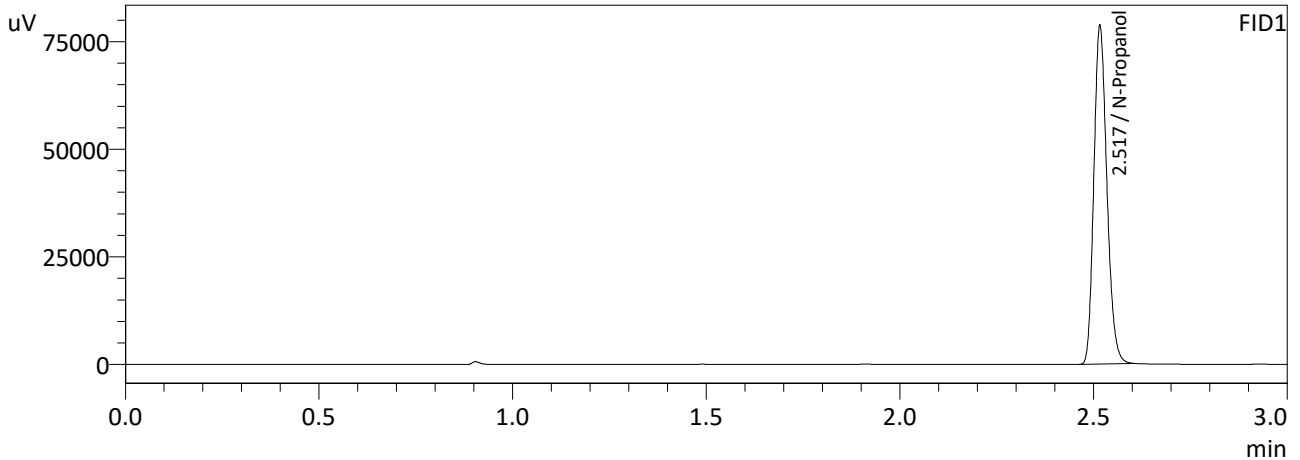
Meridian Blood Alcohol Analysis Batch Table

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 240123NB.gcm
2	0.100	1:Standard	2	ALCOHOL 240123NB.gcm
3	0.200	1:Standard	3	ALCOHOL 240123NB.gcm
4	0.300	1:Standard	4	ALCOHOL 240123NB.gcm
5	0.500	1:Standard	5	ALCOHOL 240123NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240123NB.gcm

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:01:07 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

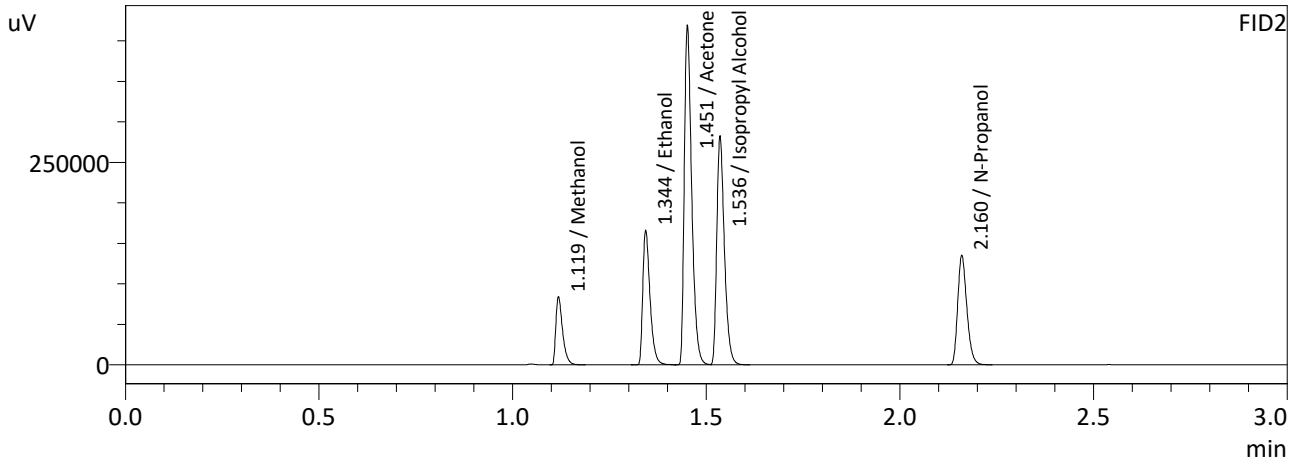
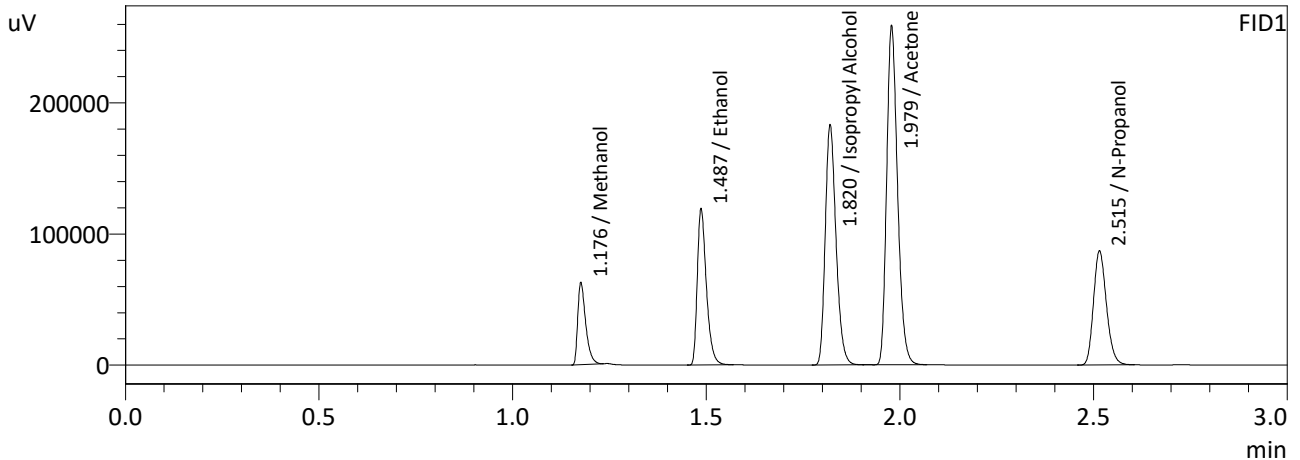
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183852	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198736	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:08:27 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	89806	g/100cc
Ethanol	0.4296	194313	g/100cc
Isopropyl Alcohol	0.0000	353844	g/100cc
Acetone	0.0000	504383	g/100cc
N-Propanol	0.0000	201906	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	102102	g/100cc
Ethanol	0.4324	215101	g/100cc
Acetone	0.0000	556303	g/100cc
Isopropyl Alcohol	0.0000	386771	g/100cc
N-Propanol	0.0000	221114	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA		Analysis Date(s): 1/23/2024 4:33:01 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0804	0.0803	0.0001	0.0803	0.0016	0.0795
(g/100cc)	0.0786	0.0788	0.0002	0.0787		
Analysis Method						

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

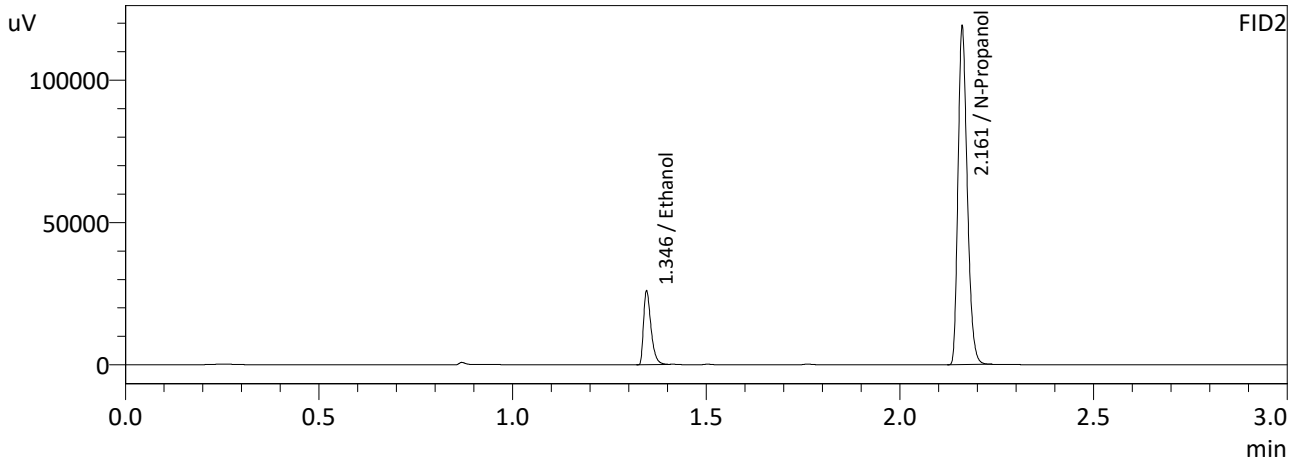
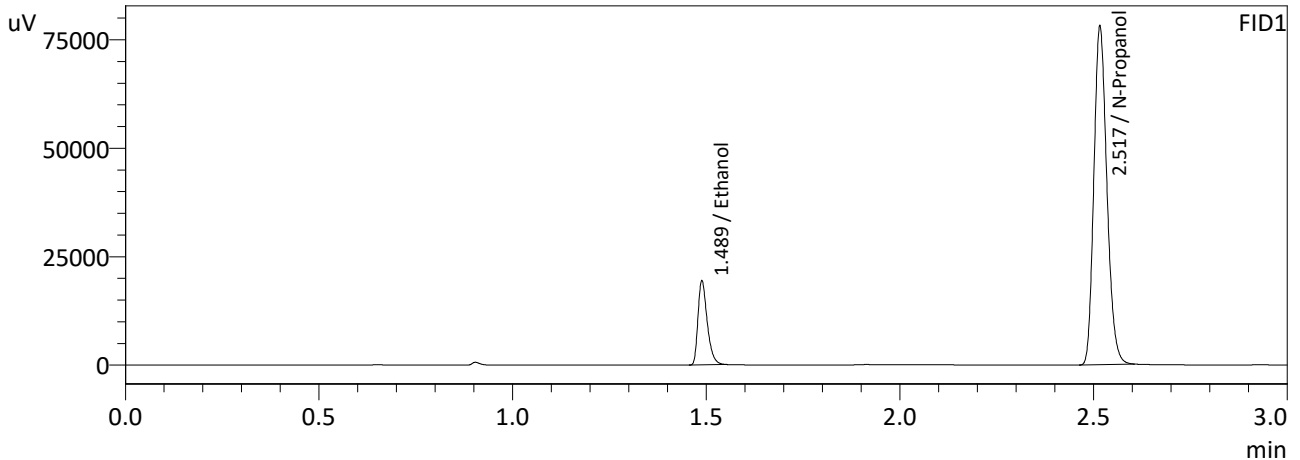
Refer To Instrument Method: ALCOHOL_240123NB.gcm

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

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:33:01 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

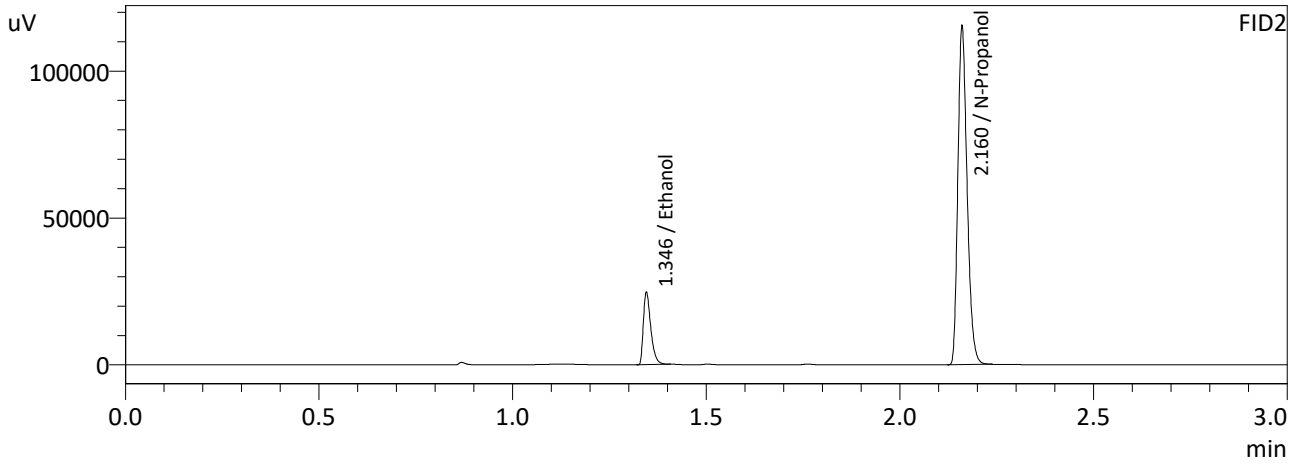
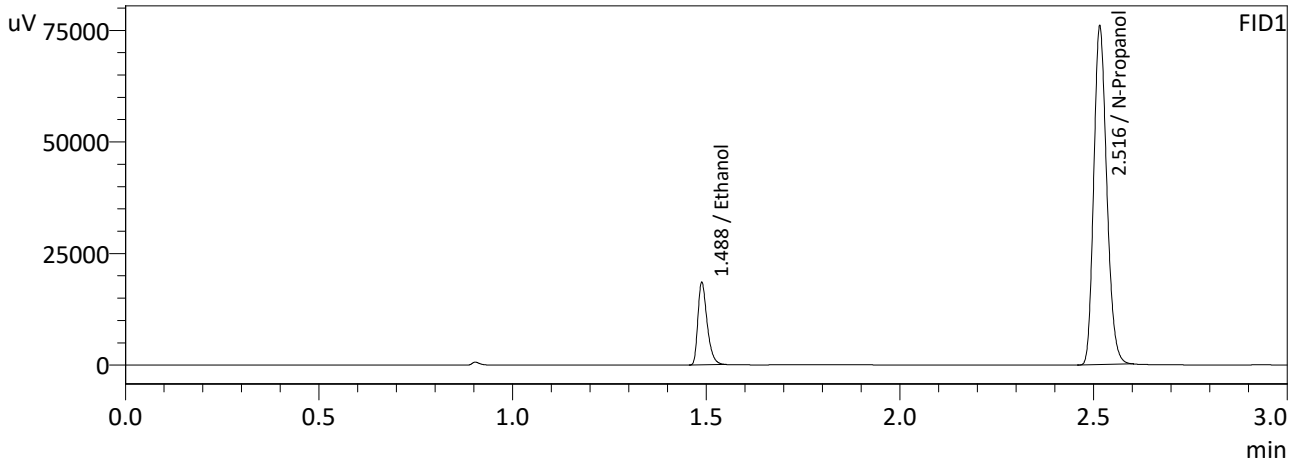
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0804	32274	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182452	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	34673	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197286	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:40:33 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	30625	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177066	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	32965	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	191169	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1			Analysis Date(s): 1/23/2024 4:15:57 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0771	0.0772	0.0001	0.0771	0.0017	0.0780
(g/100cc)	0.0788	0.0789	0.0001	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

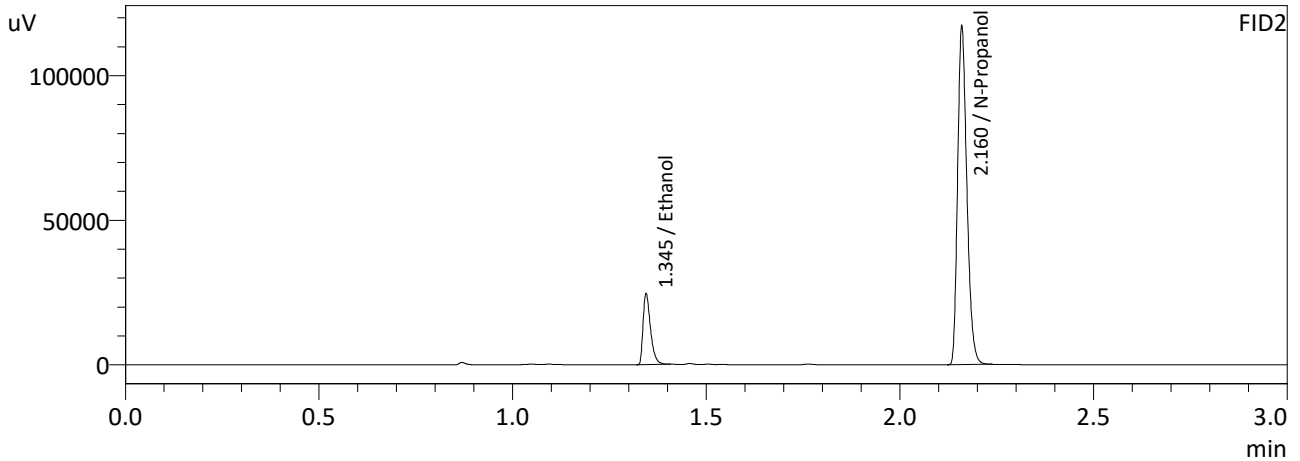
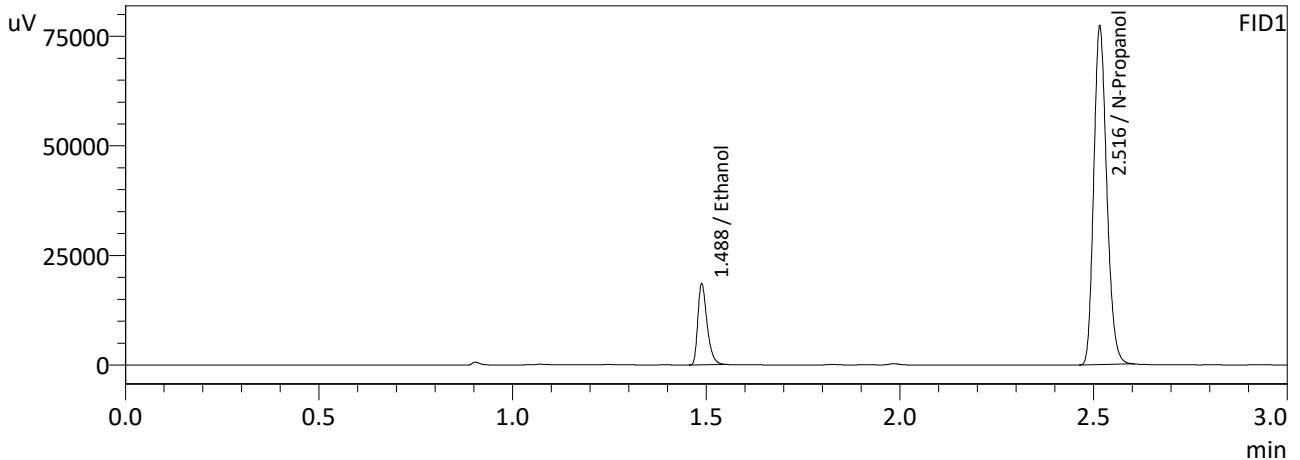
Refer To Instrument Method: ALCOHOL_240123NB.gcm

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.

NB

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:15:57 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

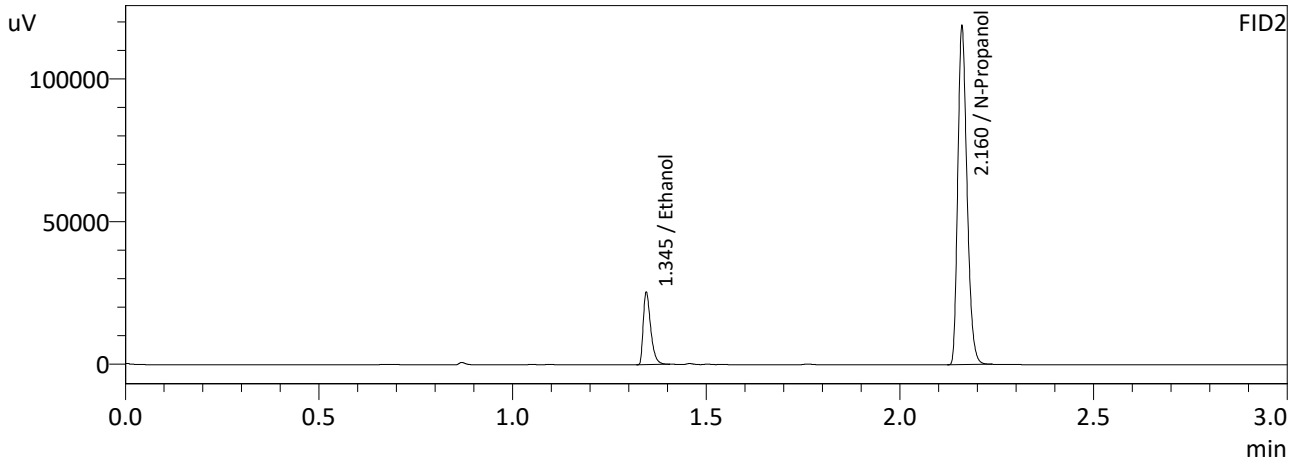
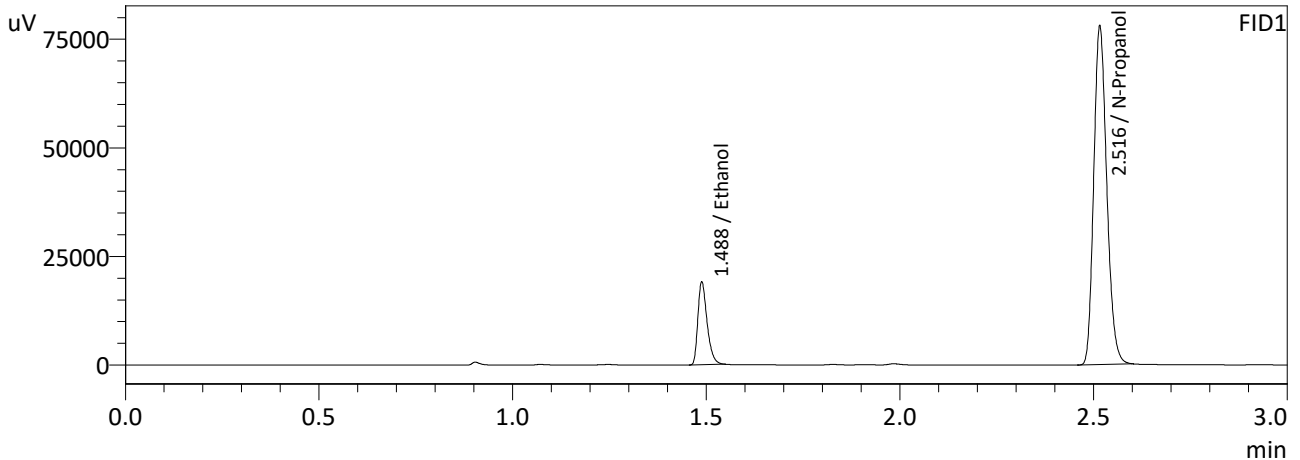
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0771	30567	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180238	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	32789	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194256	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 1/23/2024 4:24:37 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	31591	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182321	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	33985	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196775	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2		Analysis Date(s): 1/23/2024 10:18:20 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	0.0828	0.0003	0.0829	0.0001	0.0829
(g/100cc)	0.0831	0.0829	0.0002	0.0830		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240123NB.gcm

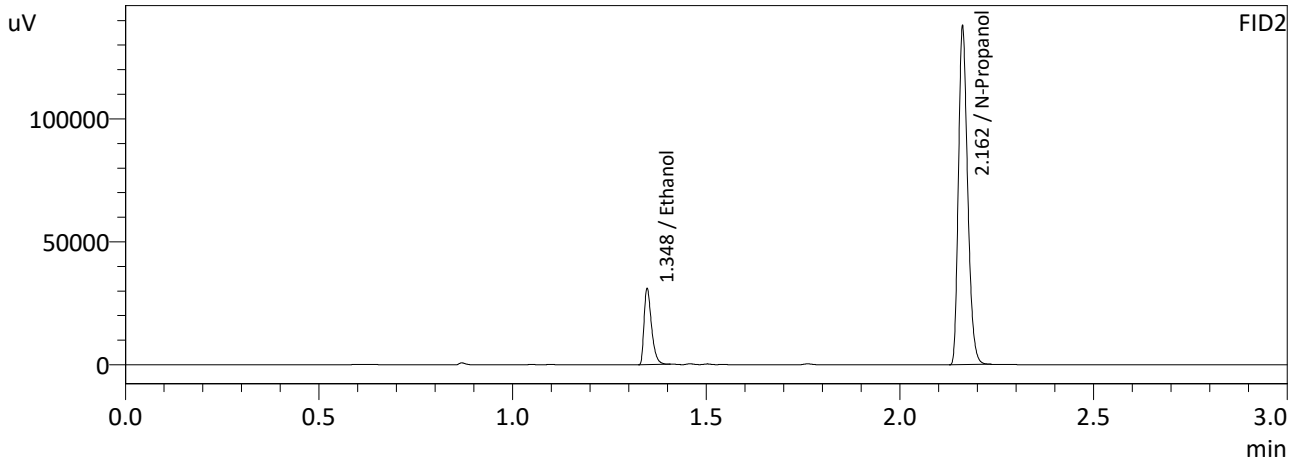
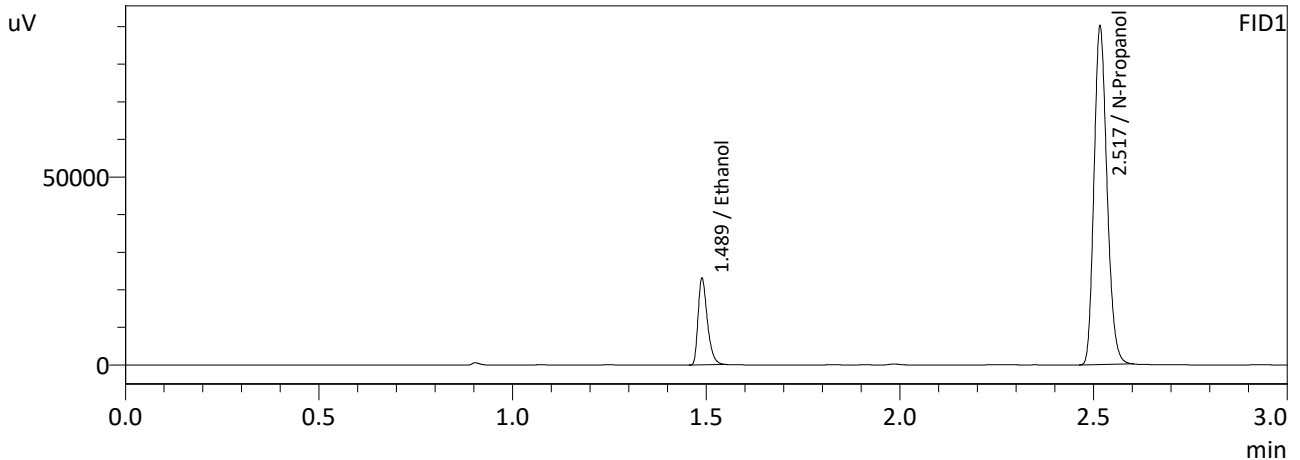
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

Reported Results	
0.082	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 1/23/2024 10:18:20 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

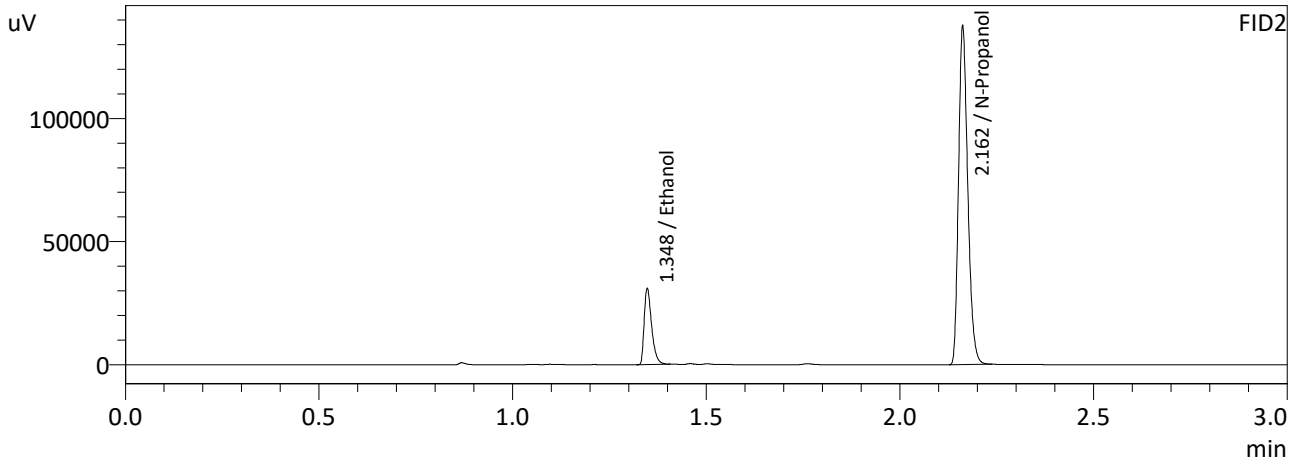
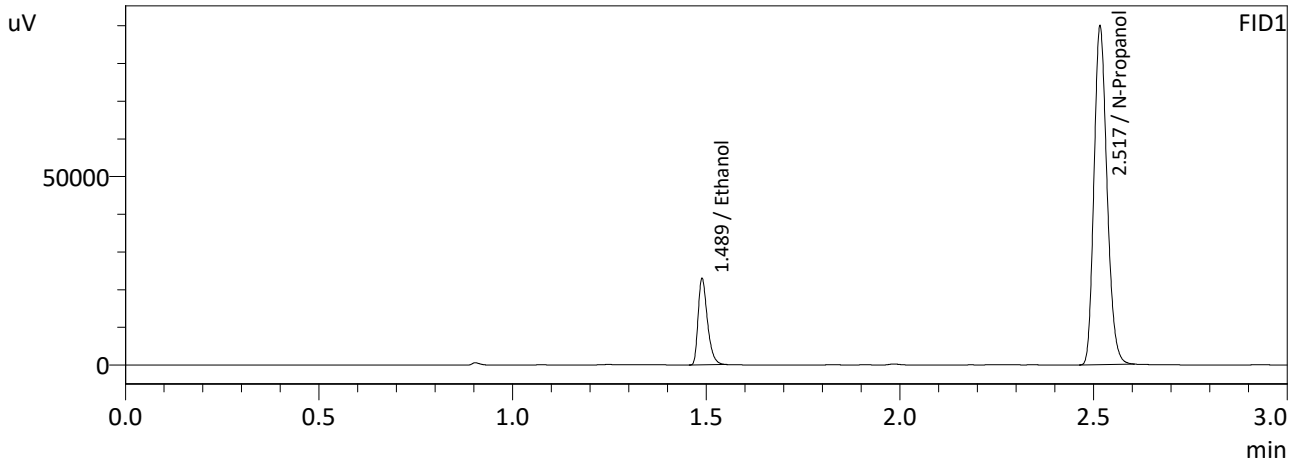
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	38456	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210185	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	41426	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228143	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 1/23/2024 10:28:04 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	38357	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209675	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	41349	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227524	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1

Analysis Date(s): 1/23/2024 7:17:26 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2041	0.2043	0.0002	0.2042	0.0065	0.2074
(g/100cc)	0.2113	0.2101	0.0012	0.2107		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240123NB.gcm

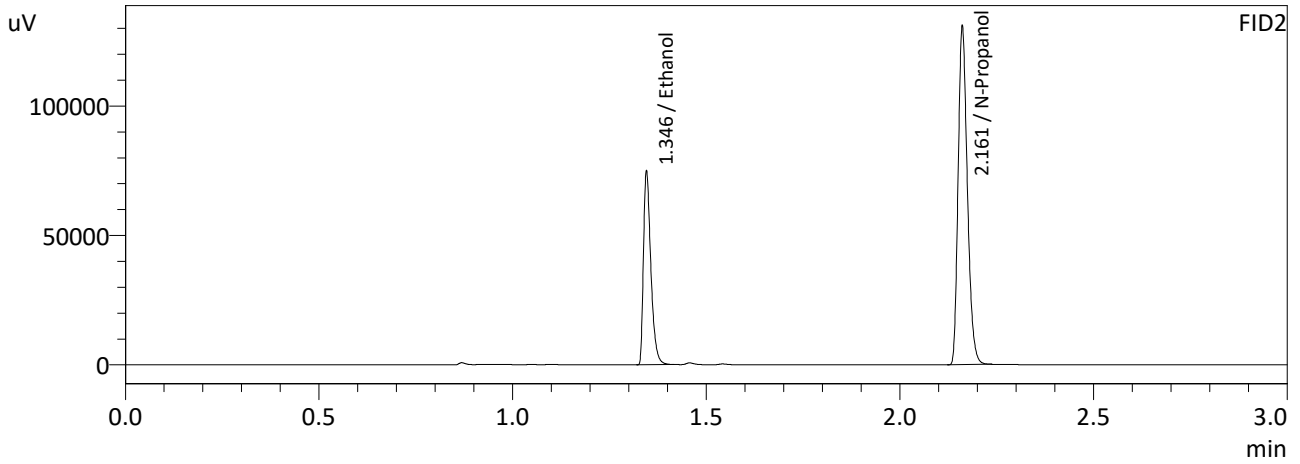
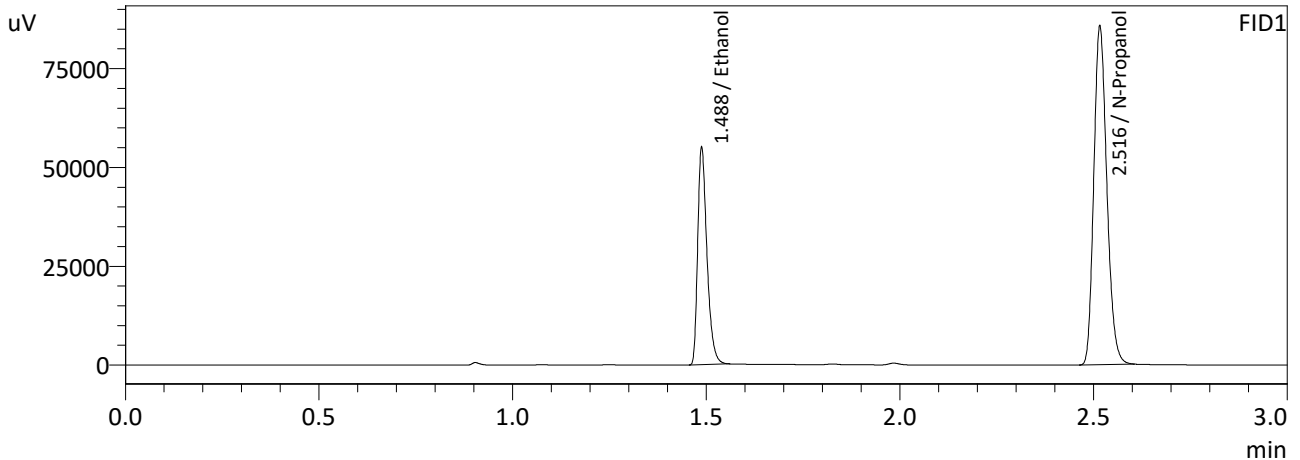
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

Reported Results	
0.207	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 1/23/2024 7:17:26 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

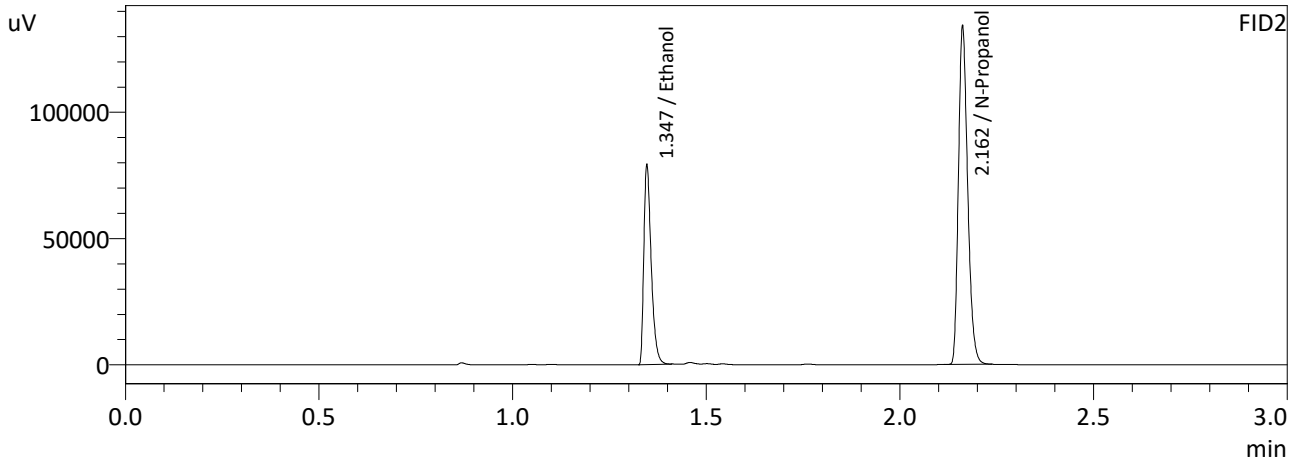
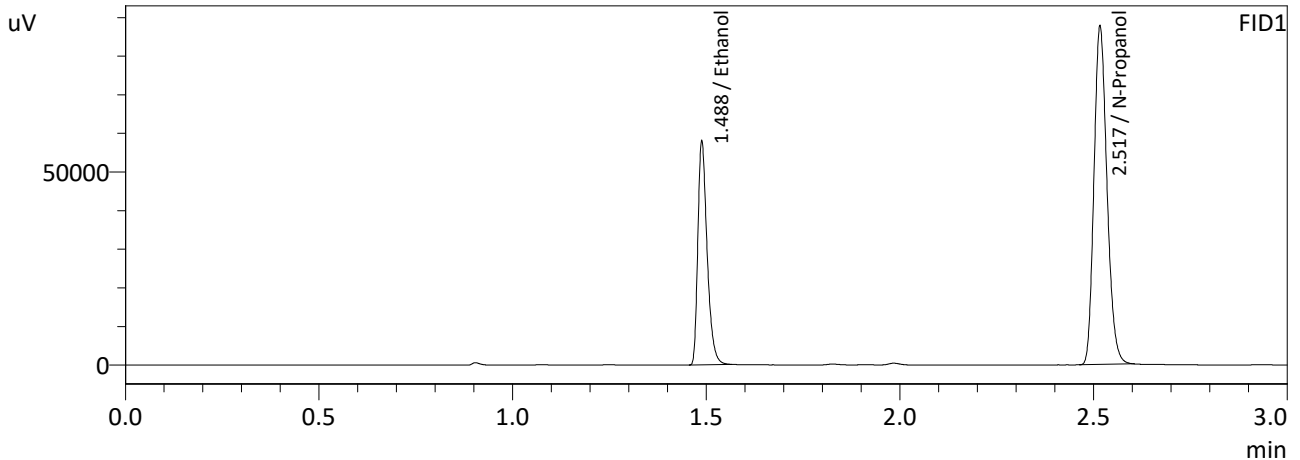
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2041	91261	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200531	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2043	99119	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217122	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 1/23/2024 7:24:37 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2113	96441	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204549	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2101	104535	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222524	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2		Analysis Date(s): 1/23/2024 10:35:30 PM(-07:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2111	0.2105	0.0006	0.2108	0.0006	0.2105
(g/100cc)	0.2105	0.2099	0.0006	0.2102		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_240123NB.gcm

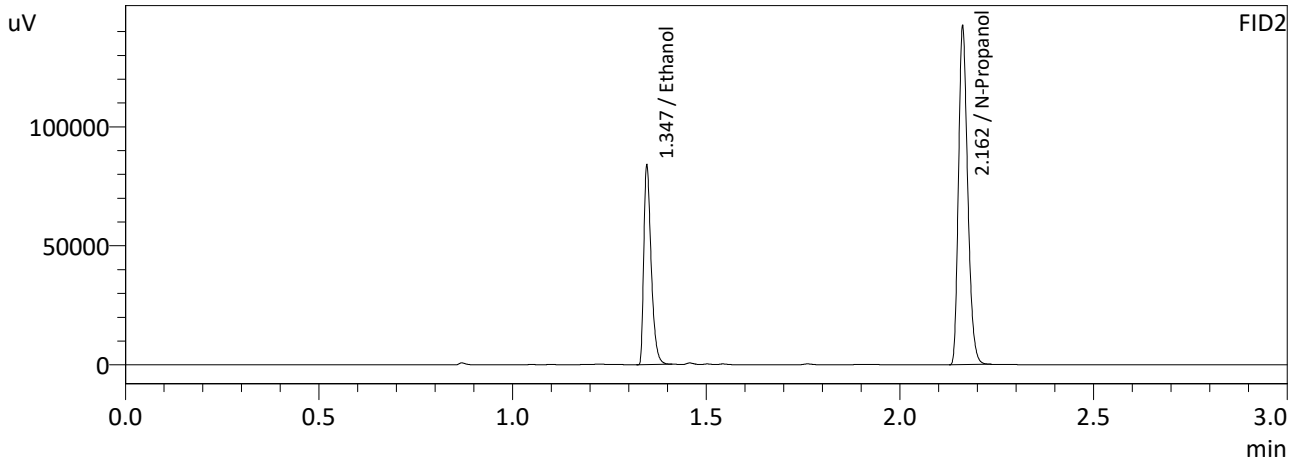
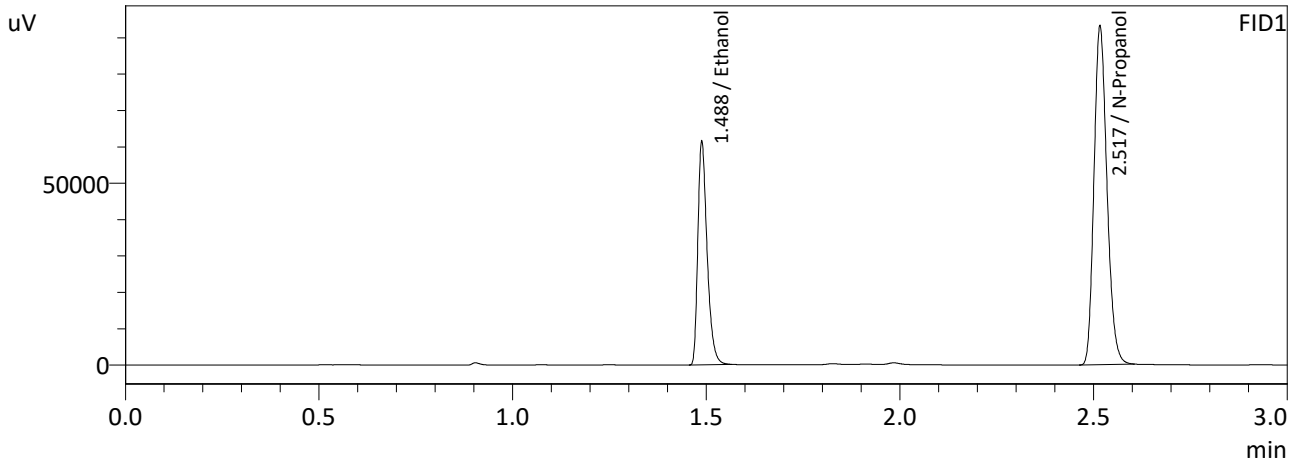
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.210	0.199	0.221	0.011

	Reported Results
	0.210

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 1/23/2024 10:35:30 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

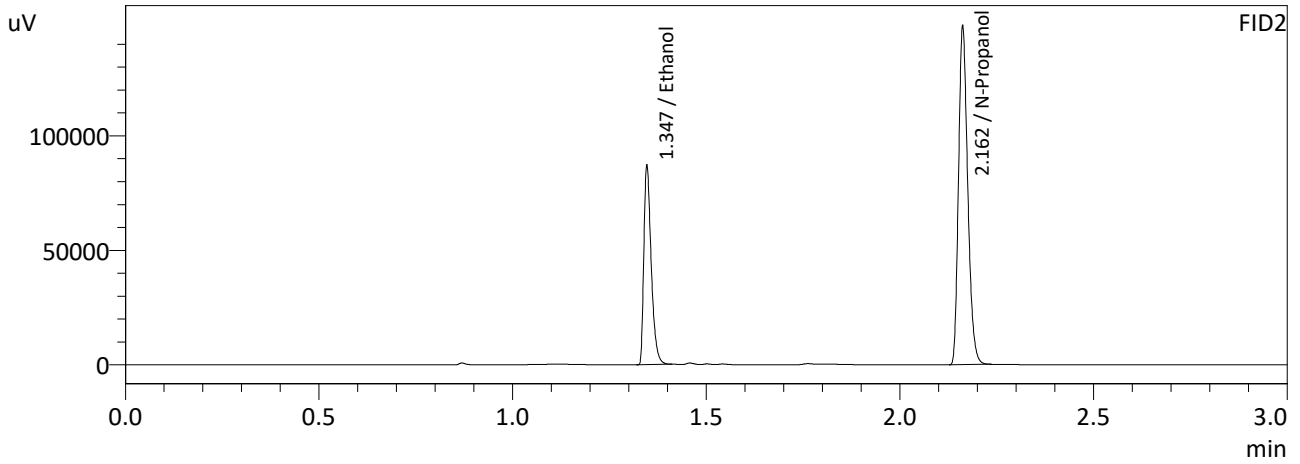
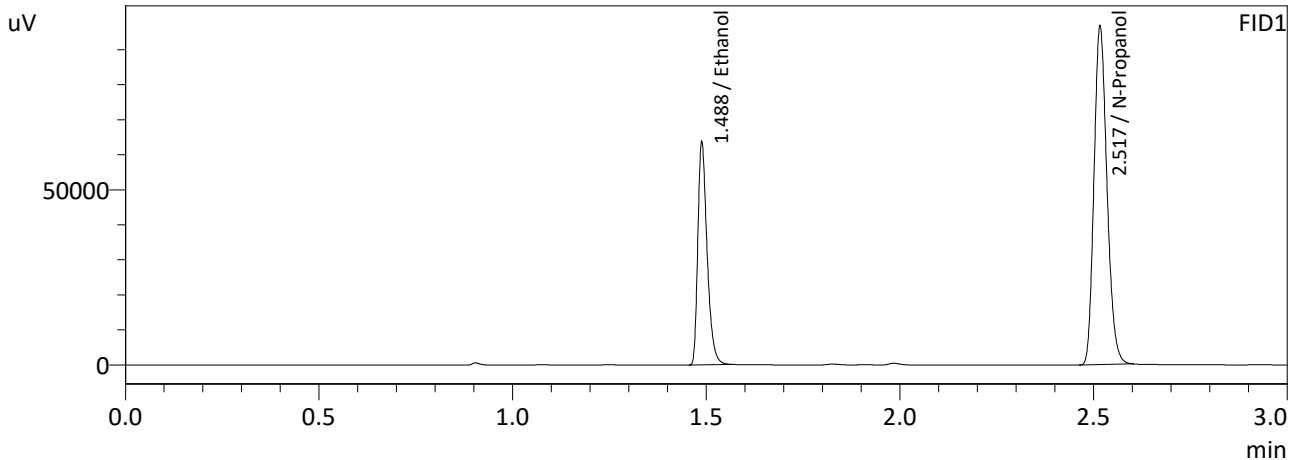
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2111	102162	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216936	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	110766	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235356	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 1/23/2024 10:43:02 PM
 Vial # : 50
 Method Filename : Default Project - ALCOHOL_240123NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

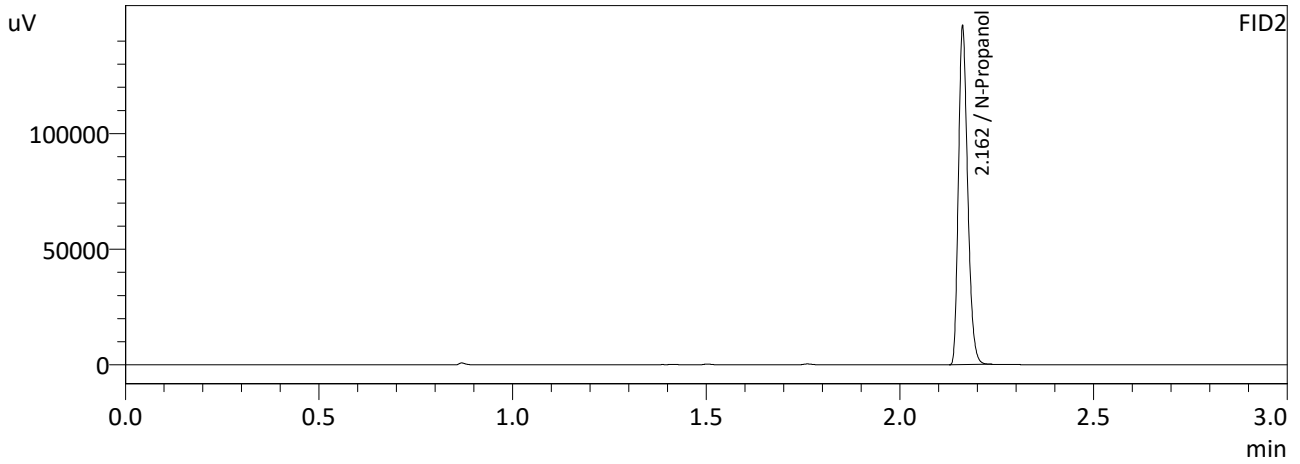
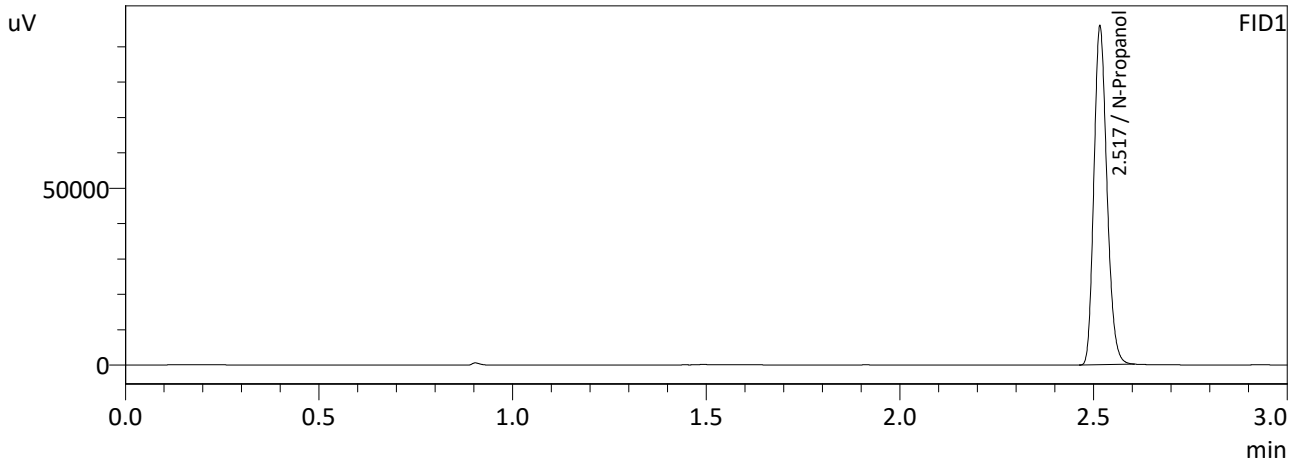
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	105871	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225442	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2099	114888	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	244876	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 1/23/2024 10:53:01 PM
 Vial # : 51
 Method Filename : Default Project - ALCOHOL_240123NB.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	223515	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	242559	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 240123NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240123NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240123NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240123NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240123NB.gcm
7	M2023-1204-6	0:Unknown	0	ALCOHOL 240123NB.gcm
8	M2023-1204-6-B	0:Unknown	0	ALCOHOL 240123NB.gcm
9	M2024-0015-2	0:Unknown	0	ALCOHOL 240123NB.gcm
10	M2024-0015-2-B	0:Unknown	0	ALCOHOL 240123NB.gcm
11	M2024-0020-2	0:Unknown	0	ALCOHOL 240123NB.gcm
12	M2024-0020-2-B	0:Unknown	0	ALCOHOL 240123NB.gcm
13	M2024-0088-1	0:Unknown	0	ALCOHOL 240123NB.gcm
14	M2024-0088-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
15	M2024-0089-1	0:Unknown	0	ALCOHOL 240123NB.gcm
16	M2024-0089-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
17	M2024-0119-1	0:Unknown	0	ALCOHOL 240123NB.gcm
18	M2024-0119-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
19	M2024-0120-1	0:Unknown	0	ALCOHOL 240123NB.gcm
20	M2024-0120-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
21	M2024-0121-1	0:Unknown	0	ALCOHOL 240123NB.gcm
22	M2024-0121-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
23	M2024-0136-1	0:Unknown	0	ALCOHOL 240123NB.gcm
24	M2024-0136-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240123NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
27	M2024-0157-1	0:Unknown	0	ALCOHOL 240123NB.gcm
28	M2024-0157-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
29	M2024-0162-1	0:Unknown	0	ALCOHOL 240123NB.gcm
30	M2024-0162-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
31	M2024-0193-1	0:Unknown	0	ALCOHOL 240123NB.gcm
32	M2024-0193-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
33	M2024-0222-1	0:Unknown	0	ALCOHOL 240123NB.gcm
34	M2024-0222-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
35	M2024-0223-1	0:Unknown	0	ALCOHOL 240123NB.gcm
36	M2024-0223-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
37	M2024-0250-1	0:Unknown	0	ALCOHOL 240123NB.gcm
38	M2024-0250-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
39	M2024-0251-1	0:Unknown	0	ALCOHOL 240123NB.gcm
40	M2024-0251-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
41	M2024-0260-1	0:Unknown	0	ALCOHOL 240123NB.gcm
42	M2024-0260-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
43	M2024-0261-1	0:Unknown	0	ALCOHOL 240123NB.gcm
44	M2024-0261-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
45	M2024-0262-1	0:Unknown	0	ALCOHOL 240123NB.gcm
46	M2024-0262-1-B	0:Unknown	0	ALCOHOL 240123NB.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240123NB.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240123NB.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 240123NB.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 240123NB.gcm
51	ISTD BLK 2	0:Unknown	0	ALCOHOL 240123NB.gcm

NB