

**Worklist: 6823**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2024-1922	1	BCK	Alcohol Analysis	
M2024-1925	1	BCK	Alcohol Analysis	
M2024-1932	1	BCK	Alcohol Analysis	
M2024-1933	1	BCK	Alcohol Analysis	
M2024-1934	1	BCK	Alcohol Analysis	
M2024-1947	1	BCK	Alcohol Analysis	
M2024-1954	2	BCK	Alcohol Analysis	
M2024-1966	1	BCK	Alcohol Analysis	
M2024-1970	1	BCK	Alcohol Analysis	
M2024-1971	1	BCK	Alcohol Analysis	
M2024-1982	1	BCK	Alcohol Analysis	
M2024-1989	1	BCK	Alcohol Analysis	
M2024-1990	1	BCK	Alcohol Analysis	
M2024-2005	1	BCK	Alcohol Analysis	
M2024-2012	1	BCK	Alcohol Analysis	
M2024-2013	1	BCK	Alcohol Analysis	
M2024-2014	1	BCK	Alcohol Analysis	
M2024-2015	1	BCK	Alcohol Analysis	
M2024-2016	1	BCK	Alcohol Analysis	
M2024-2017	1	BCK	Alcohol Analysis	
M2024-2024	2	BCK	Alcohol Analysis	



**Worklist: 6823**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2024-2028	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):**

**5/24/24**

**Calibration Date: 5/24/24**

**Worklist #:**

**6823**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0758 g/100cc
					0.0797 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2030 g/100cc
					0.2056 g/100cc
					g/100cc
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>Oct. 2024</b>	<b>Lot #</b>	FN06041902
<b>Curve Fit:</b>			<b>Column 1</b>	0.99991	<b>Column2</b> 0.99992

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0494	0.0497	0.0003	0.0495
100	0.100	0.090 - 0.110	0.0991	0.0992	0.0001	0.0991
200	0.200	0.180 - 0.220	0.2000	0.1996	0.0004	0.1998
300	0.300	0.270 - 0.330	0.3027	0.3026	0.0001	0.3026
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4985	0.4986	1E-04	0.4985

**Aqueous Controls**

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

**REVIEWED**  
 By Rachel Cutler at 3:17 pm, May 28, 2024

**Internal Standard Monitoring Worksheet**

<b>Worklist #:</b>	<b>6823</b>	<b>Run Date(s):</b>	<b>5/24/24</b>
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Internal Standard Solution:	Prep Date: 5/6/2024	Exp Date: 11/6/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	188781	203941
0.080	183400	198010
QC1	188051	202947
QC1	193508	208945
QC1	227219	246502
QC1	224282	243072
QC1		
QC1		
QC2	210661	228622
QC2	216357	234833
QC2	237728	257740
QC2	242791	263223
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	211277.8	169022.2	253533.4
Column 2	228783.5	183026.8	274540.2

# Calibration Table

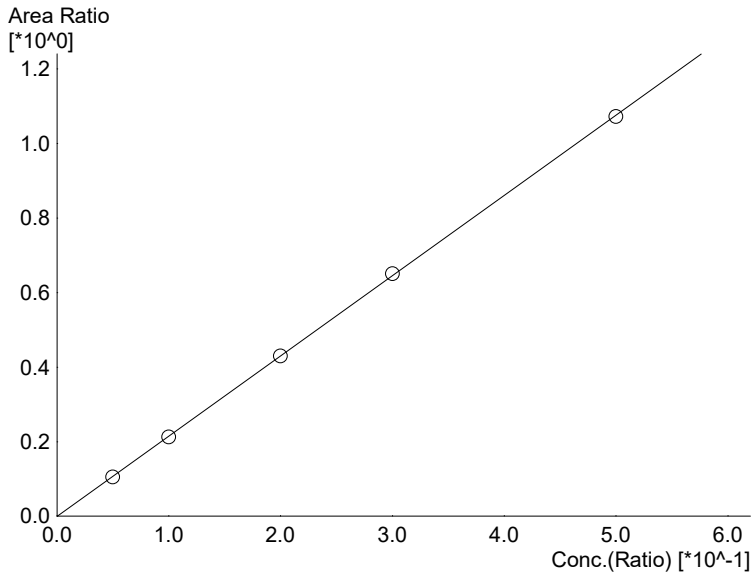
Laboratory : MERIDIAN  
 Instrument Name : GC-BAC  
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>  
 Method File : **Default Project - ALCOHOL\_240524NB.gcm**  
 Date Created : 5/24/2024 8:20:56 AM  
 Date Modified : 5/24/2024 12:15:11 PM



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

#	Conc.	Area	Std. Conc.
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Name : Ethanol  
 Detector Name: FID1  
 Function :  $f(x)=2.15299*x-0.00106116$   
 R<sup>2</sup> value= **0.9999143**  
 FitType: Linear  
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20198	0.0494
2	0.100	41081	0.0991
3	0.200	81762	0.2000
4	0.300	122197	0.3027
5	0.500	206578	0.4985

*NB*



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

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



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

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



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

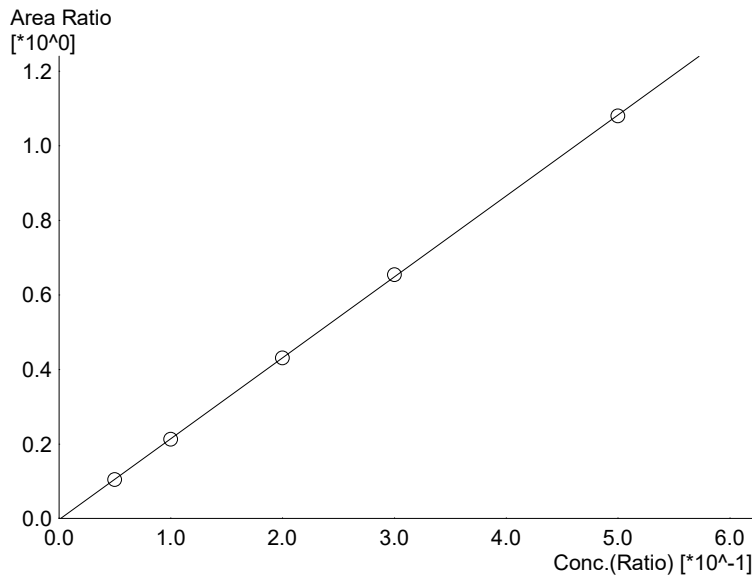
#	Conc.	Area	Std. Conc.
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NB



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

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



Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.17140*x-0.00330028$   
 R<sup>2</sup> value= 0.9999237  
 FitType: Linear  
 ZeroThrough: Not Through

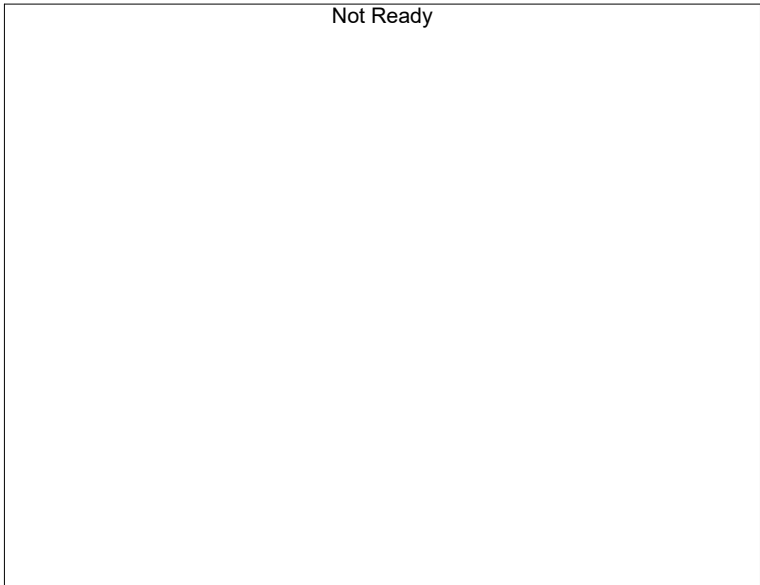
#	Conc.	Area	Std. Conc.
1	0.050	21599	0.0497
2	0.100	44283	0.0992
3	0.200	88417	0.1996
4	0.300	132487	0.3026
5	0.500	224250	0.4986



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

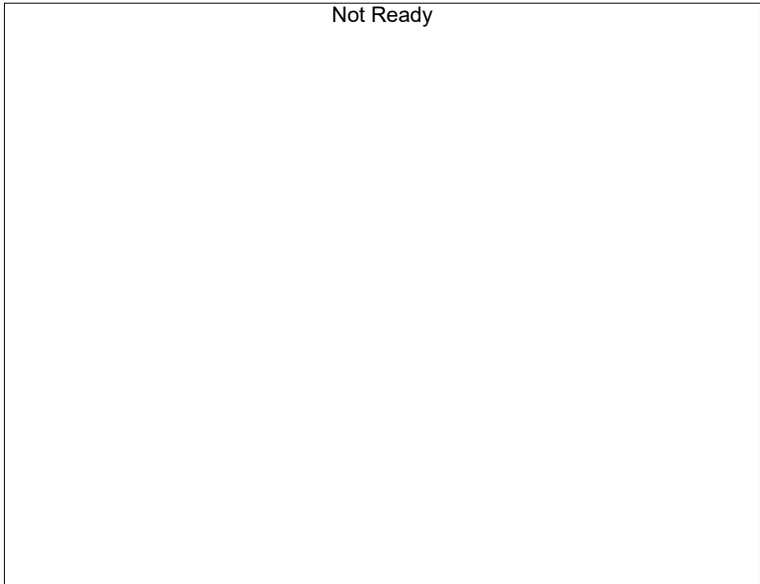
#	Conc.	Area	Std. Conc.
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NB



Name : Isopropyl Alcohol  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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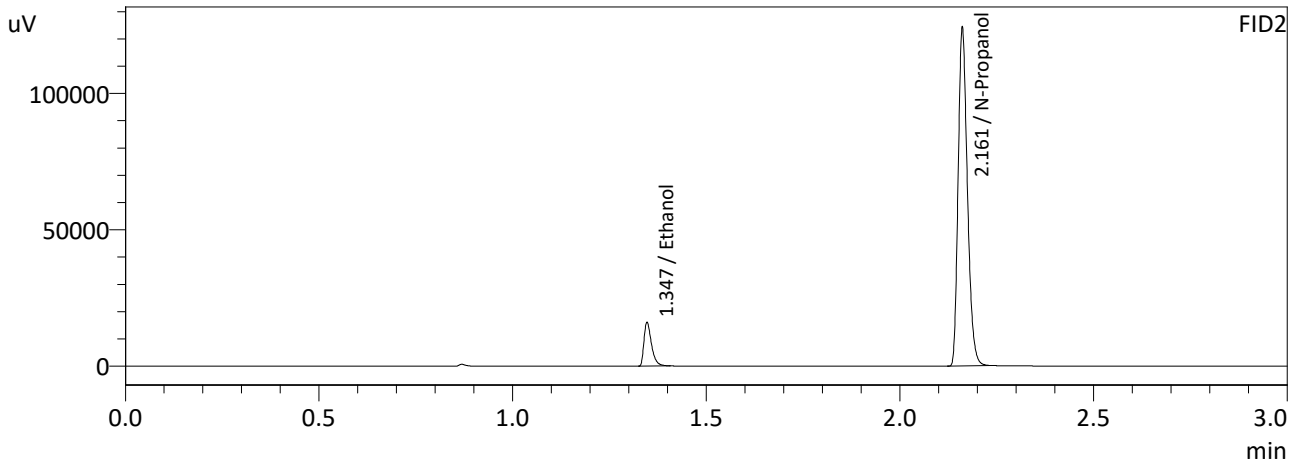
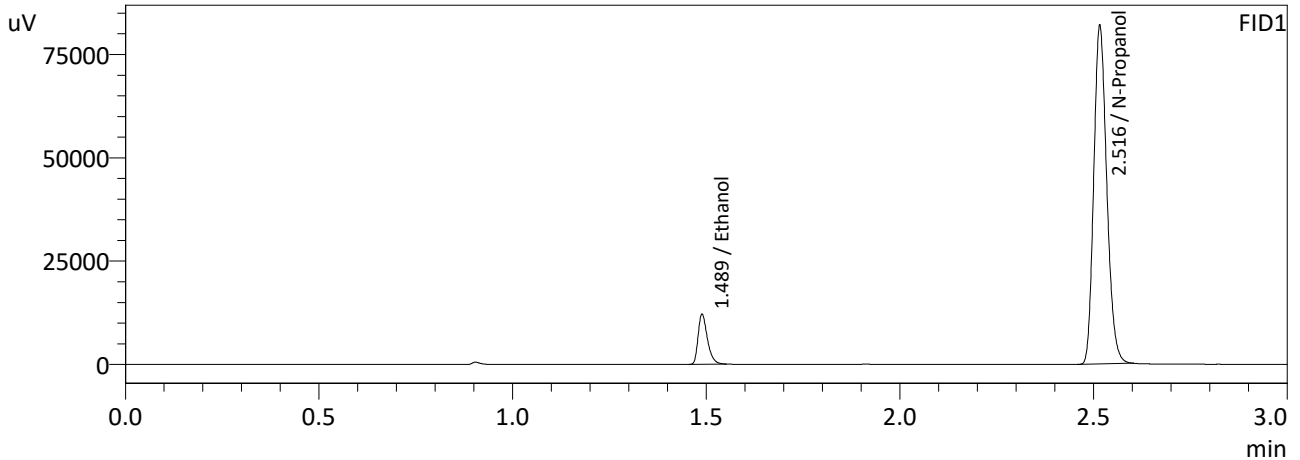
Name : Flour. Hydrocarbon(s)  
Detector Name: FID2  
Function :  $f(x)=0*x+0$   
R^2 value= 0  
FitType: Linear  
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB



Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 11:40:34 AM  
 Vial # : 1  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

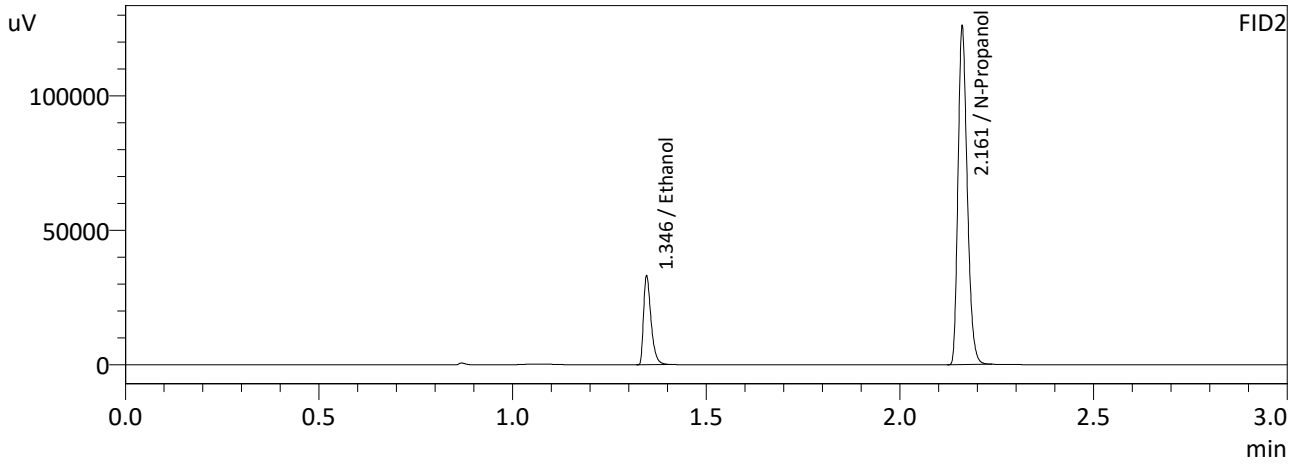
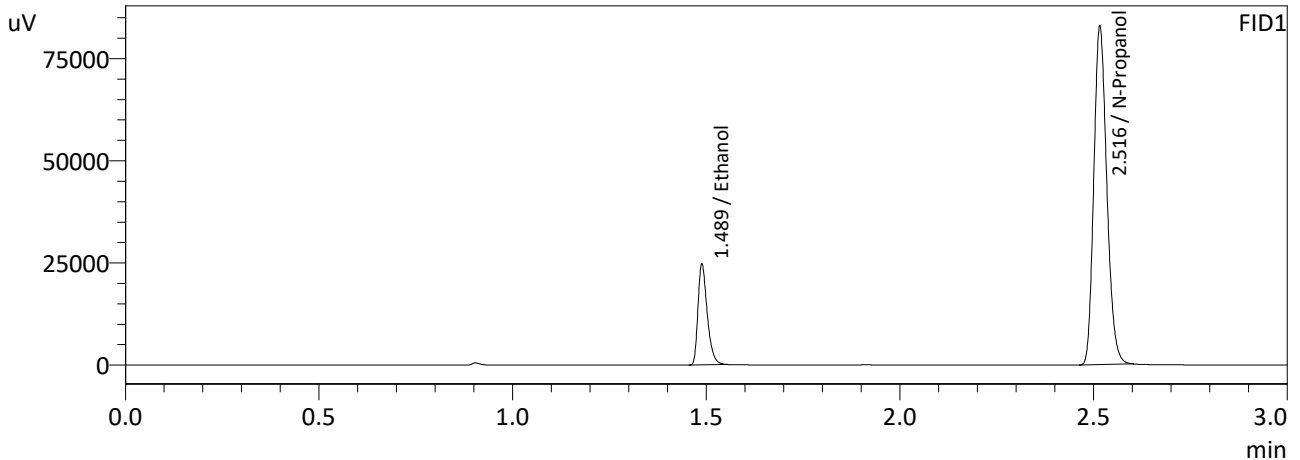
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0494	20198	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191456	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0497	21599	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206408	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 11:48:10 AM  
 Vial # : 2  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

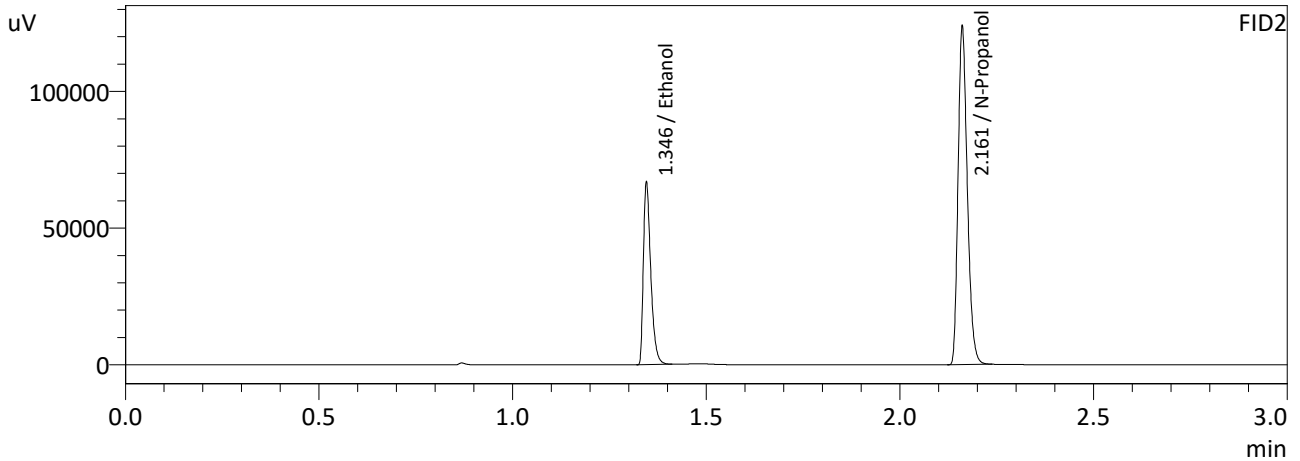
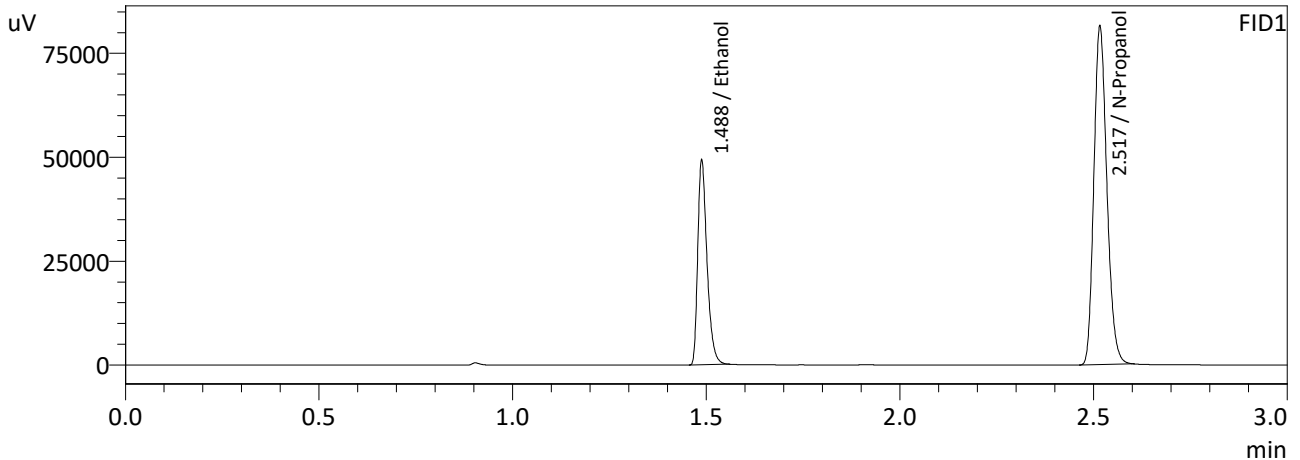
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0991	41081	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193468	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	44283	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208724	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 11:55:22 AM  
 Vial # : 3  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

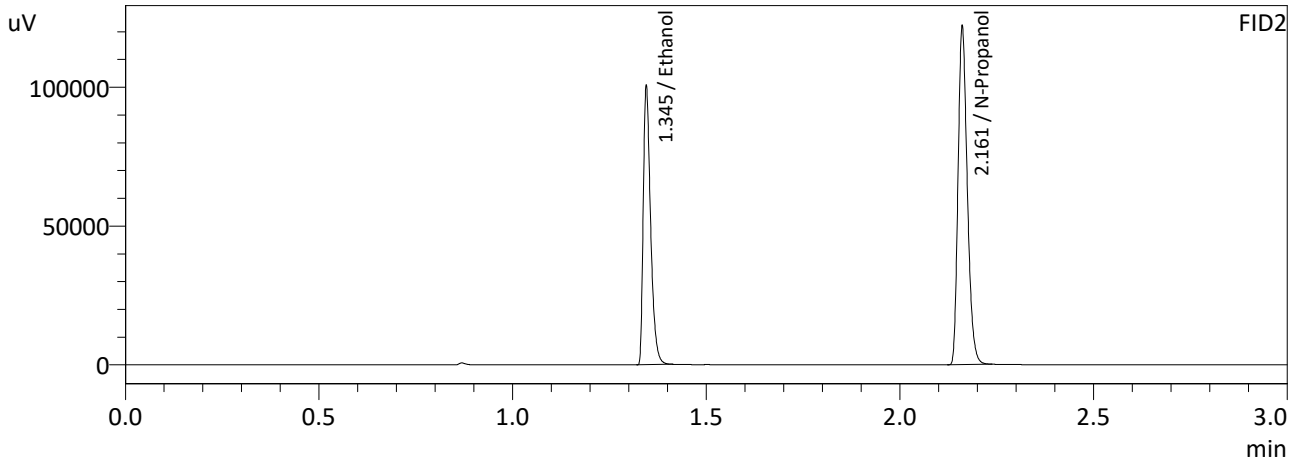
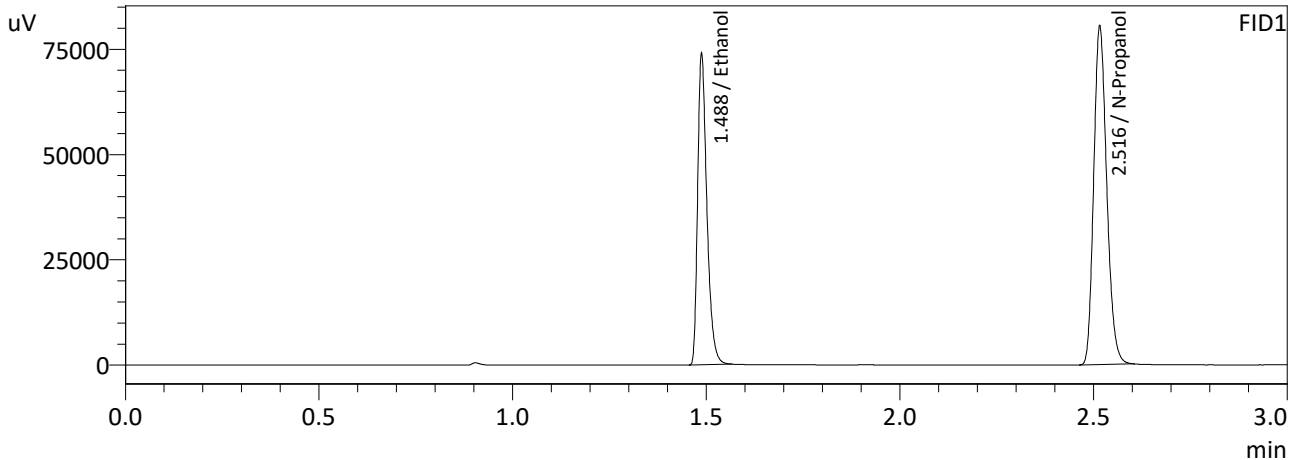
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2000	81762	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190272	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1996	88417	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205496	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 12:04:09 PM  
 Vial # : 4  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

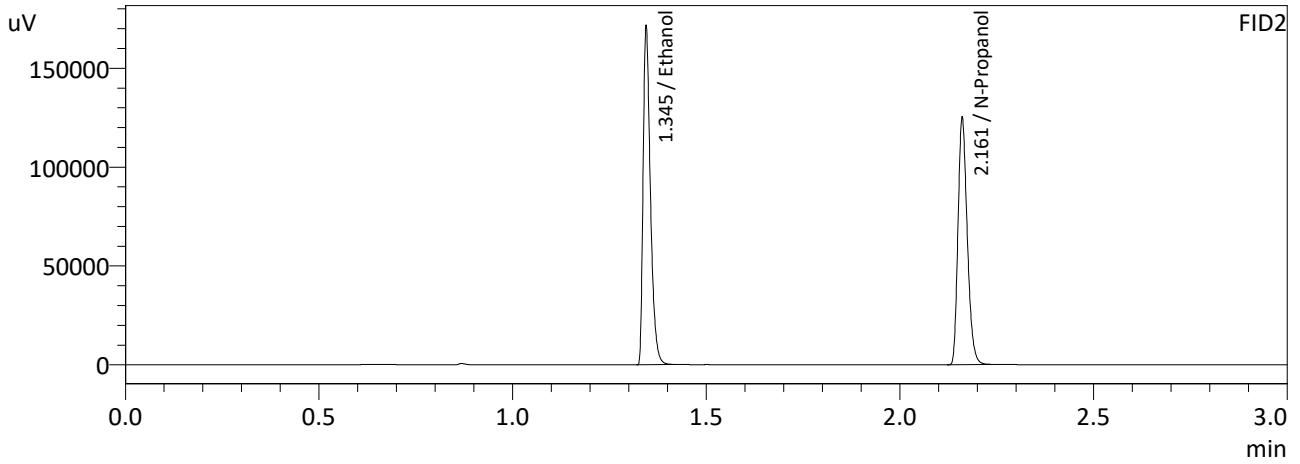
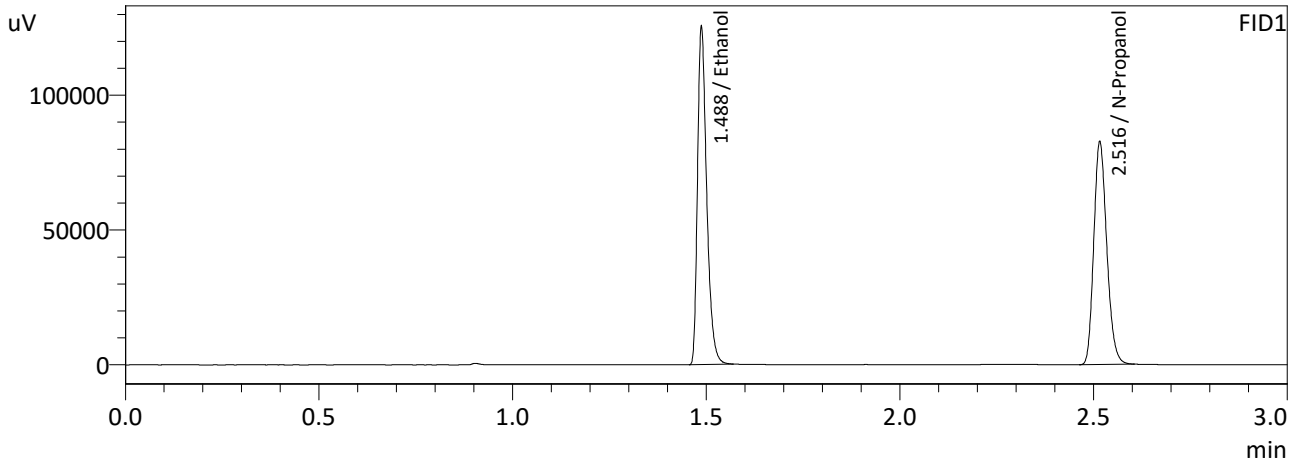
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3027	122197	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187754	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3026	132487	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202587	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 12:12:10 PM  
 Vial # : 5  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

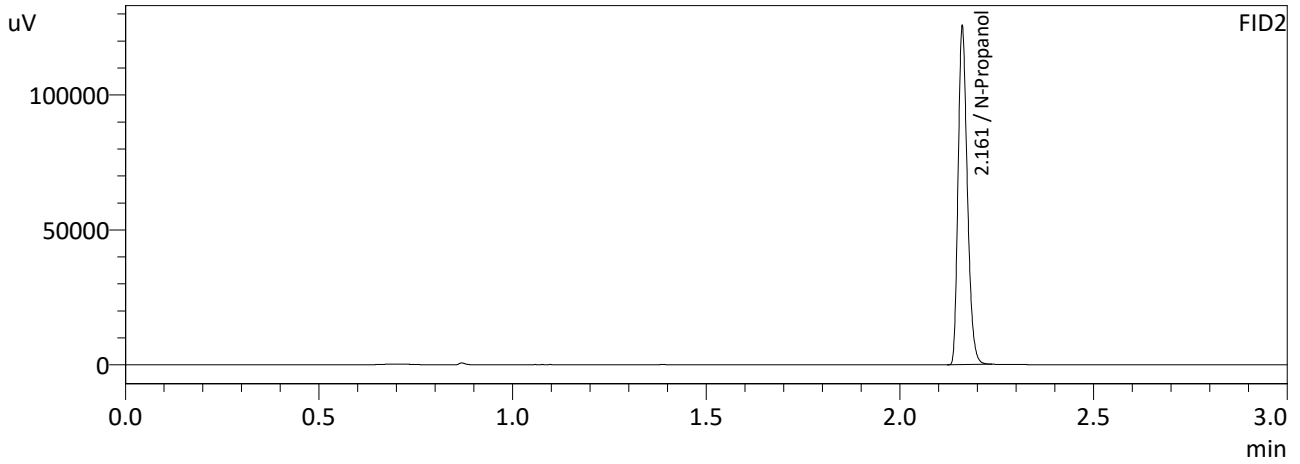
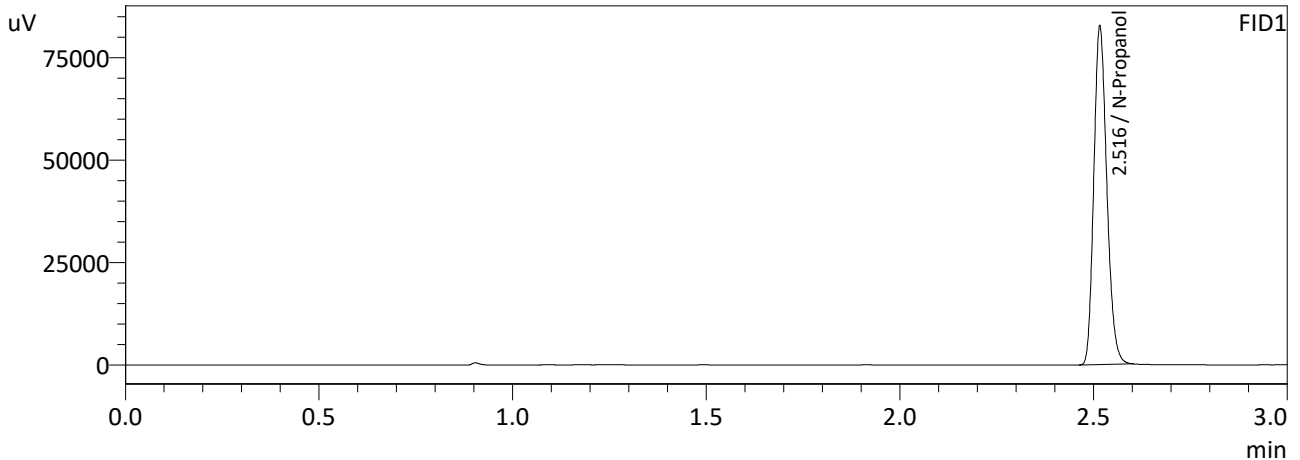
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4985	206578	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192657	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4986	224250	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207721	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 12:20:08 PM  
 Vial # : 6  
 Method Filename : Default Project - ALCOHOL\_240524NB.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	193008	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	208219	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

# Meridian Blood Alcohol Analysis Batch Table

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

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 240524NB.gcm
2	0.100	1:Standard	2	ALCOHOL 240524NB.gcm
3	0.200	1:Standard	3	ALCOHOL 240524NB.gcm
4	0.300	1:Standard	4	ALCOHOL 240524NB.gcm
5	0.500	1:Standard	5	ALCOHOL 240524NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 240524NB.gcm

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA			Analysis Date(s): 5/24/2024 1:40:04 PM(-06:00)			
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.0766	0.0764	0.0002	0.0765	0.0001	0.0765
(g/100cc)	0.0766	0.0767	0.0001	0.0766		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240524NB.gcm

Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.076	0.072	0.080	0.004

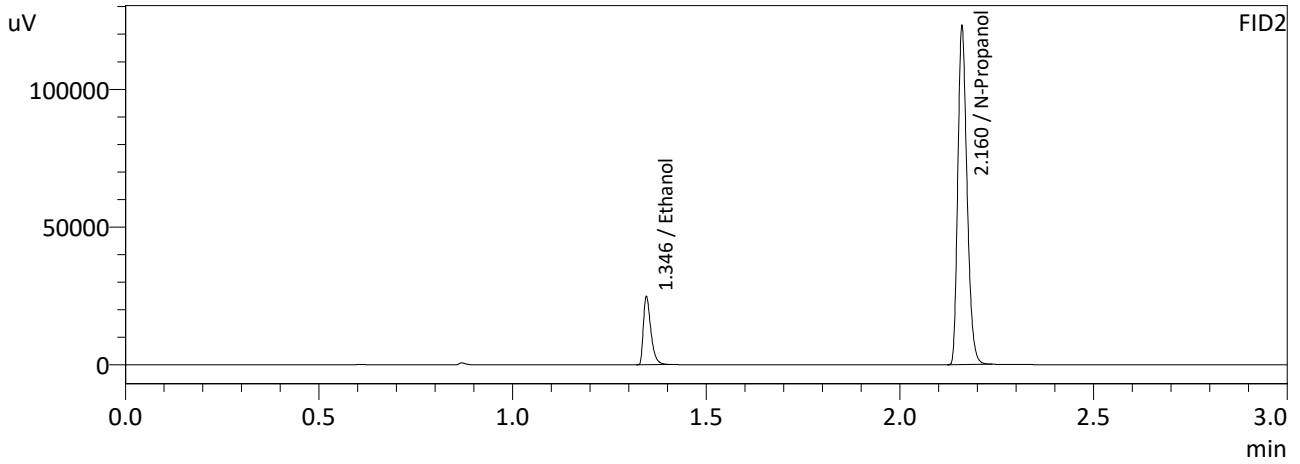
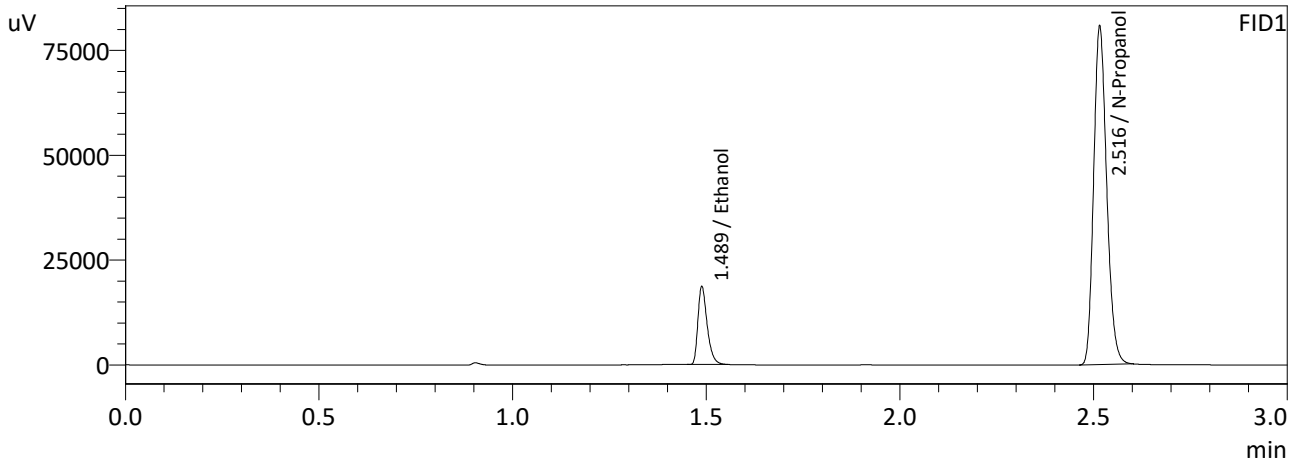
Reported Results	
0.076	

Calibration and control data are stored centrally.

NB



Sample Name : 0.08 QA  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:40:04 PM  
 Vial # : 5  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

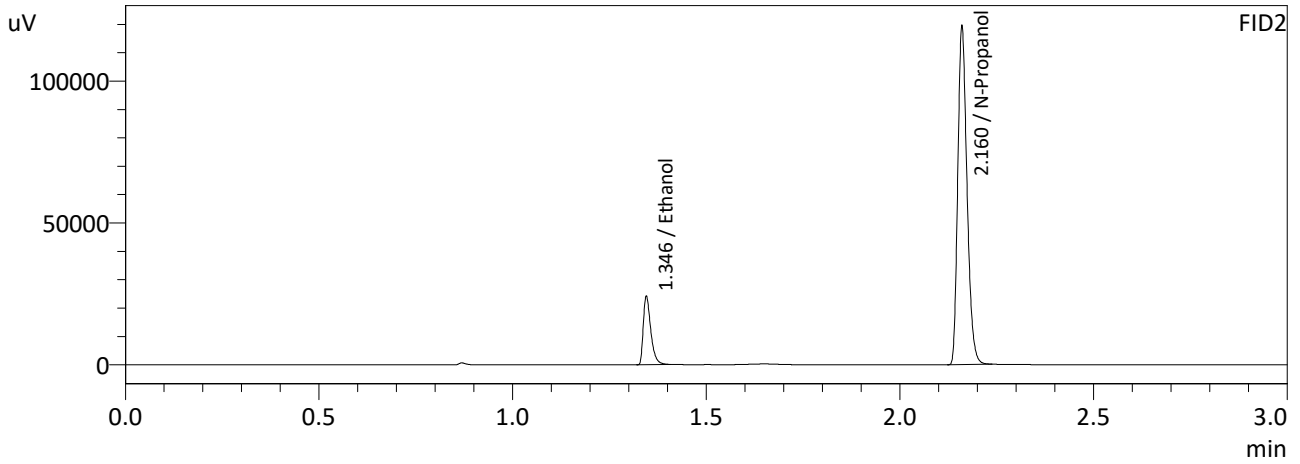
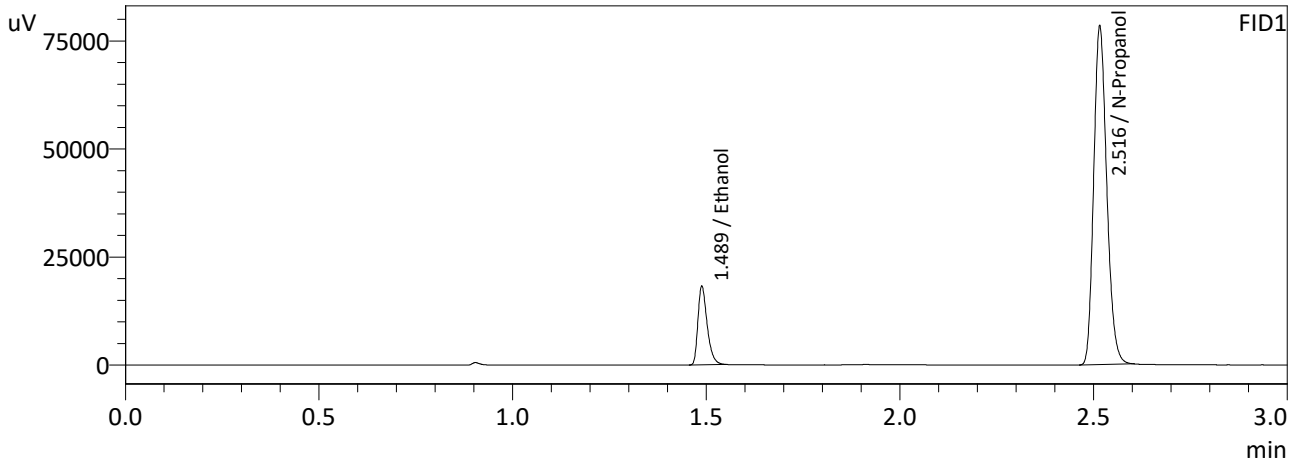
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0766	30952	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188781	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0764	33163	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203941	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:47:05 PM  
 Vial # : 6  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0766	30074	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183400	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0767	32346	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198010	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 5/24/2024 1:22:25 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0754	0.0755	0.0001	0.0754	0.0008	0.0758
(g/100cc)	0.0761	0.0763	0.0002	0.0762		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240524NB.gcm

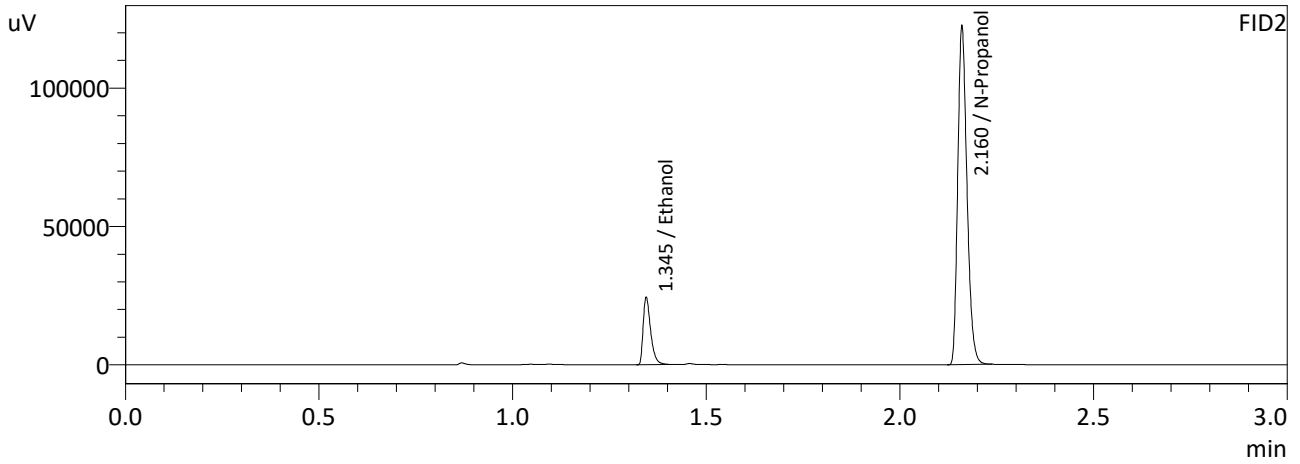
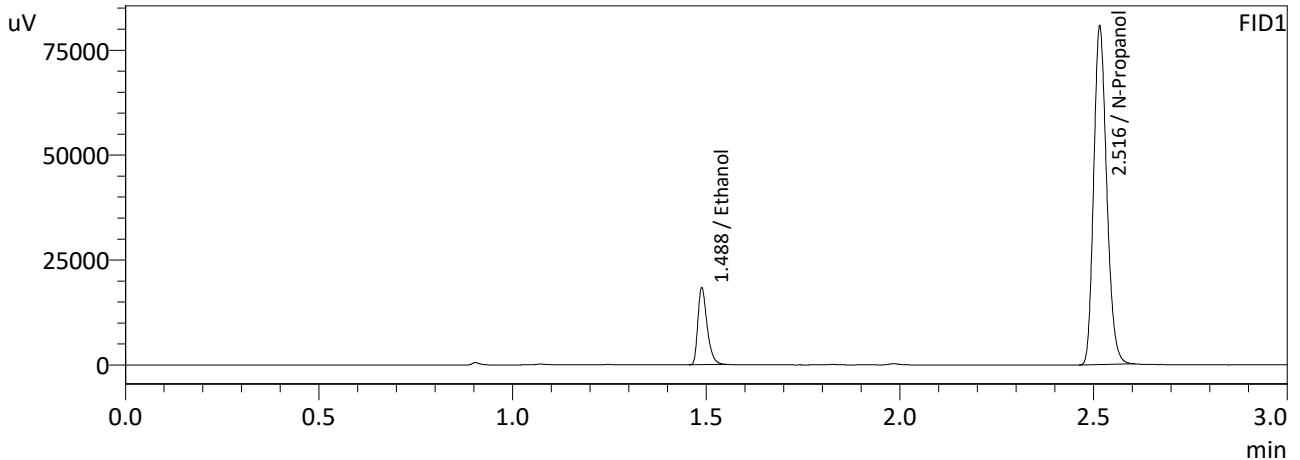
Reporting of Results	Uncertainty of Measurements (UM%):		
	5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.075	0.071	0.079	0.004

Reported Results	
0.075	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:22:25 PM  
 Vial # : 3  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

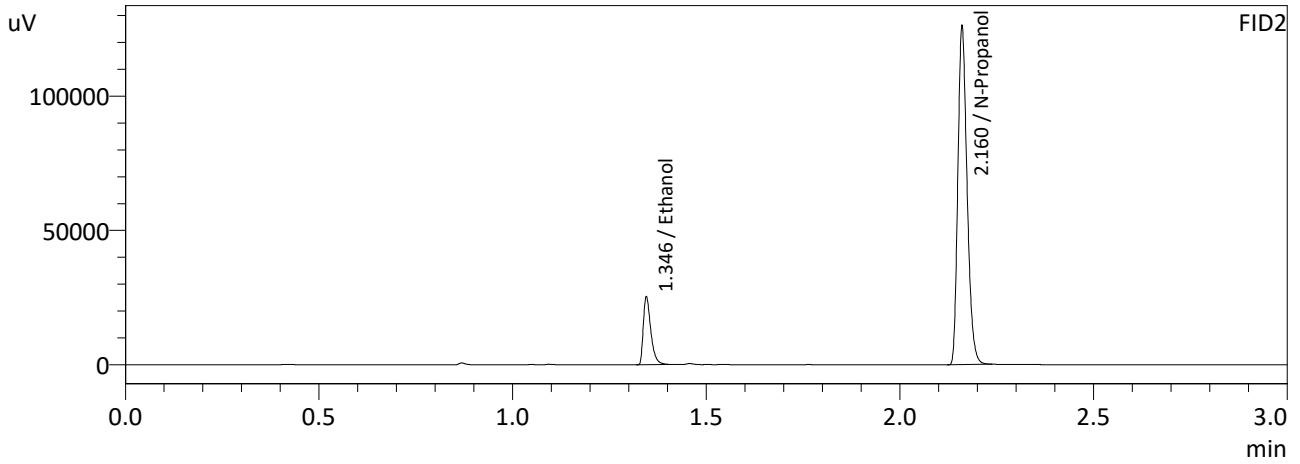
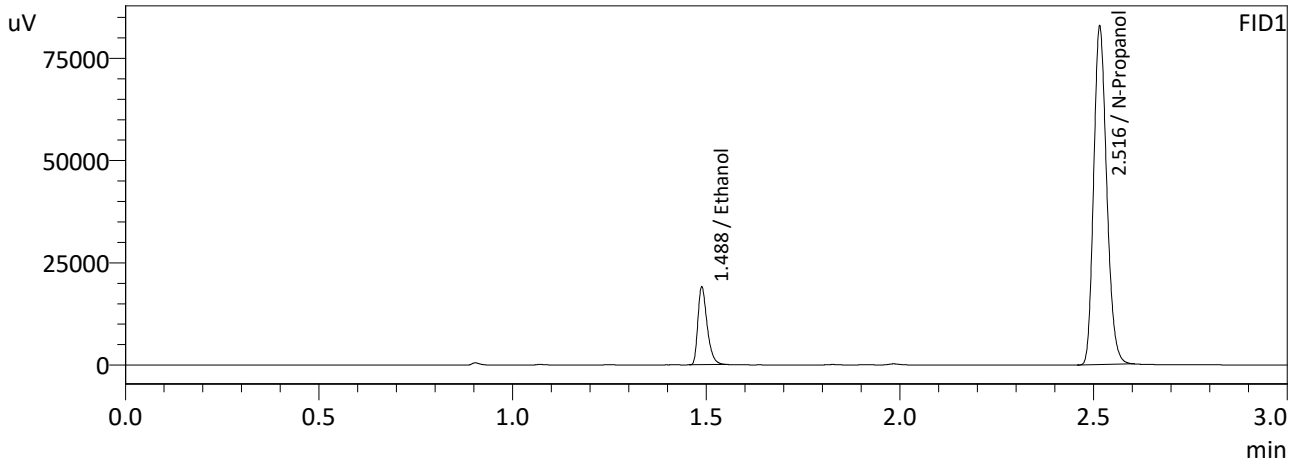
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0754	30355	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188051	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0755	32634	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202947	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:31:20 PM  
 Vial # : 4  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0761	31530	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193508	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0763	33946	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208945	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2		Analysis Date(s): 5/24/2024 7:19:31 PM(-06:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0798	0.0799	0.0001	0.0798	0.0002	0.0797
(g/100cc)	0.0796	0.0797	0.0001	0.0796		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240524NB.gcm

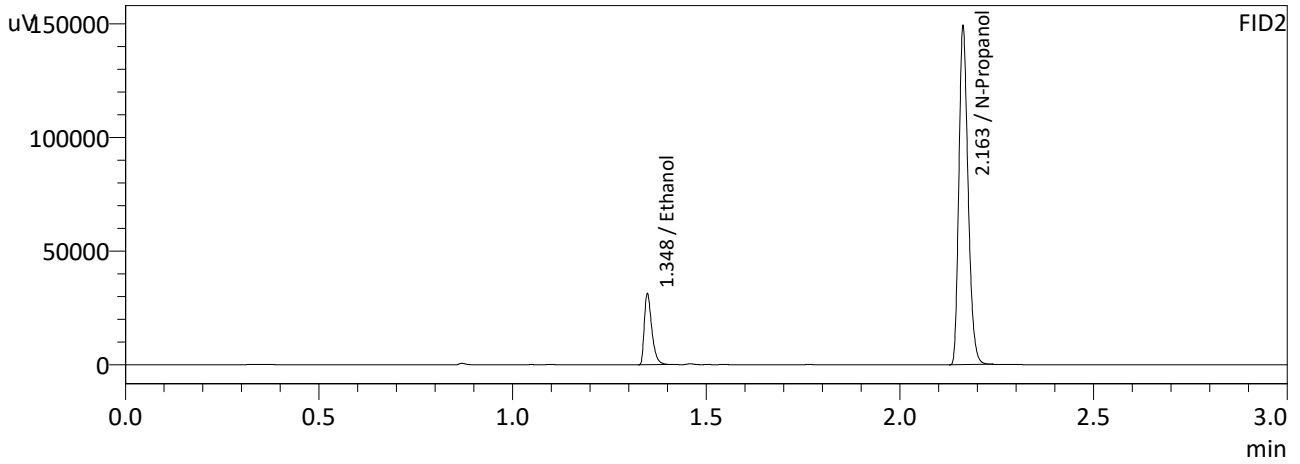
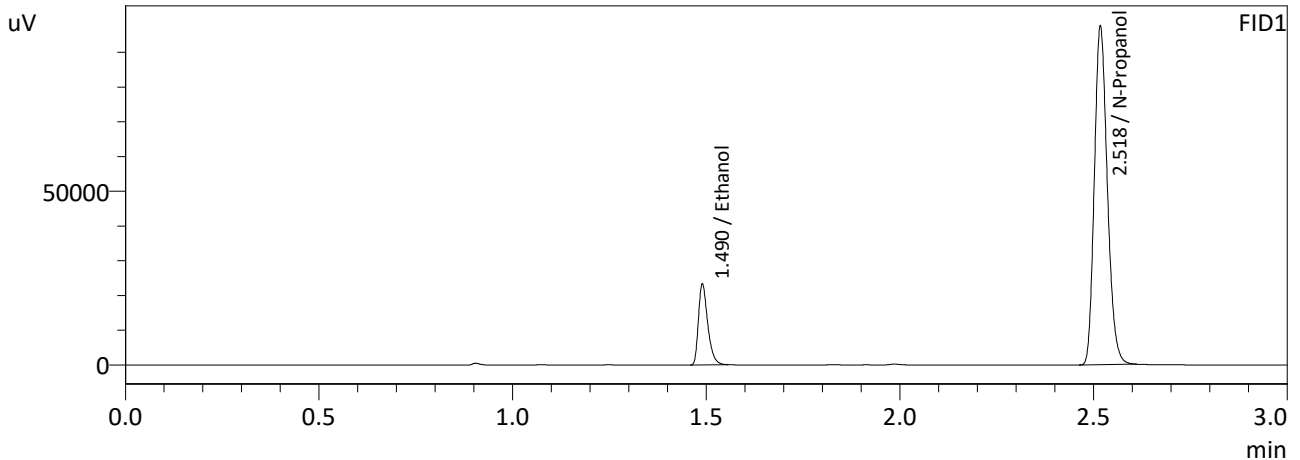
Reporting of Results	Uncertainty of Measurements (UM%):		
	5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

Reported Results	
0.079	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 7:19:31 PM  
 Vial # : 47  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

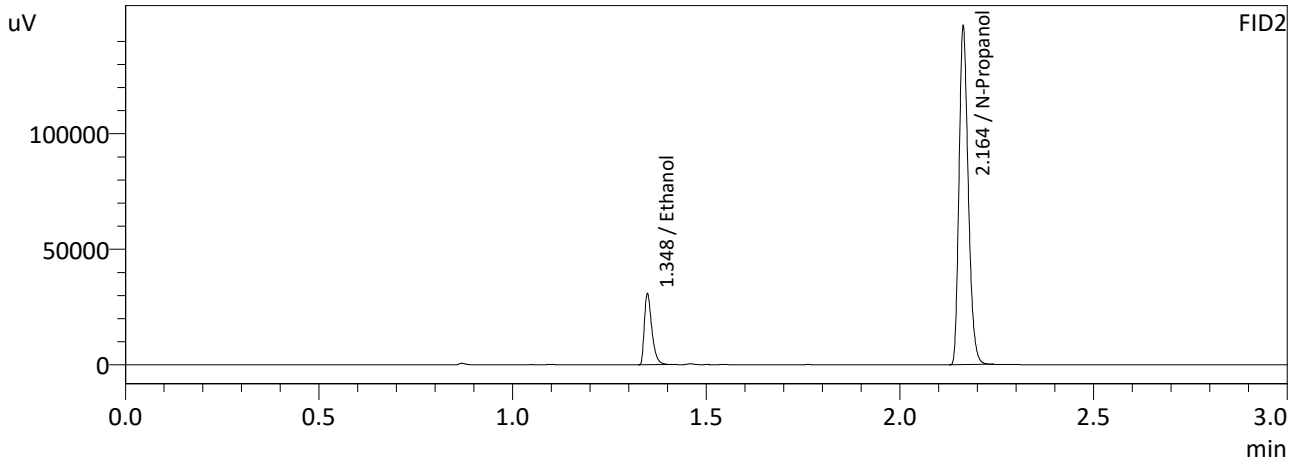
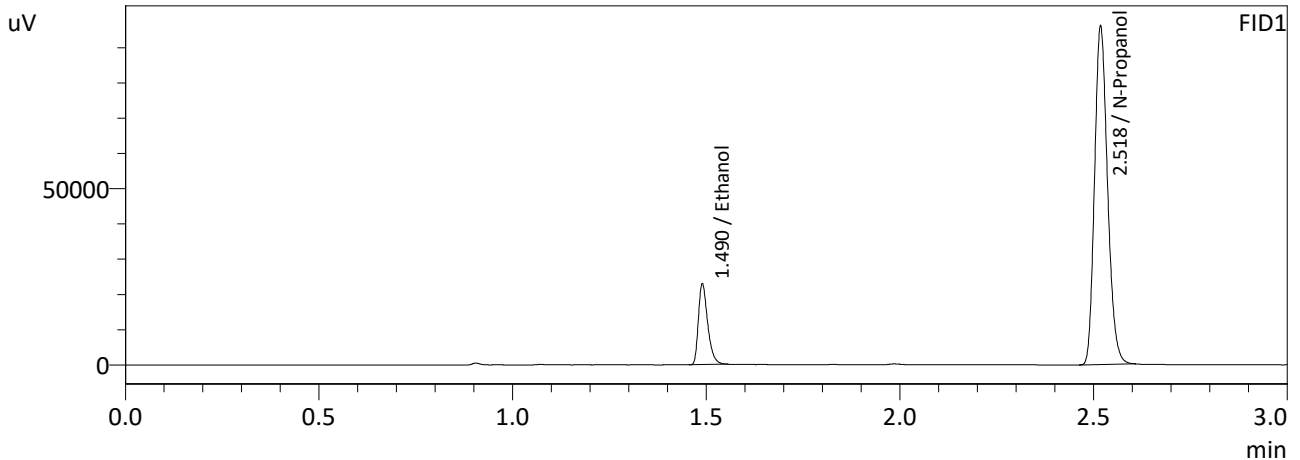
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0798	38827	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227219	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0799	41958	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246502	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 7:28:40 PM  
 Vial # : 48  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	38228	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	224282	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	41310	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	243072	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB



VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1

Analysis Date(s): 5/24/2024 4:20:16 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2035	0.2027	0.0008	0.2031	0.0001	0.2030
(g/100cc)	0.2033	0.2028	0.0005	0.2030		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240524NB.gcm

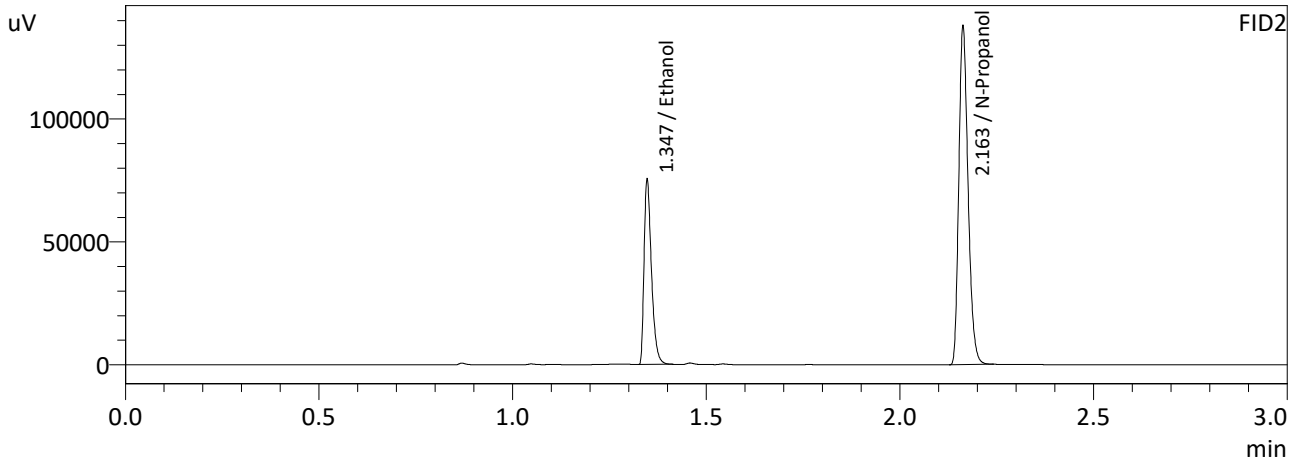
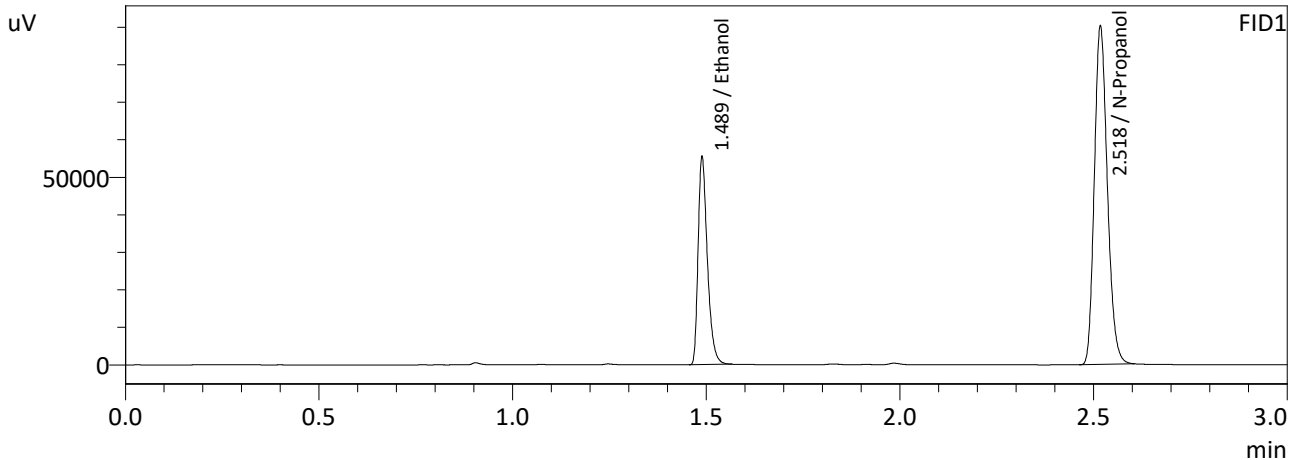
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.203	0.192	0.214	0.011

	Reported Results
	0.203

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 4:20:16 PM  
 Vial # : 25  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

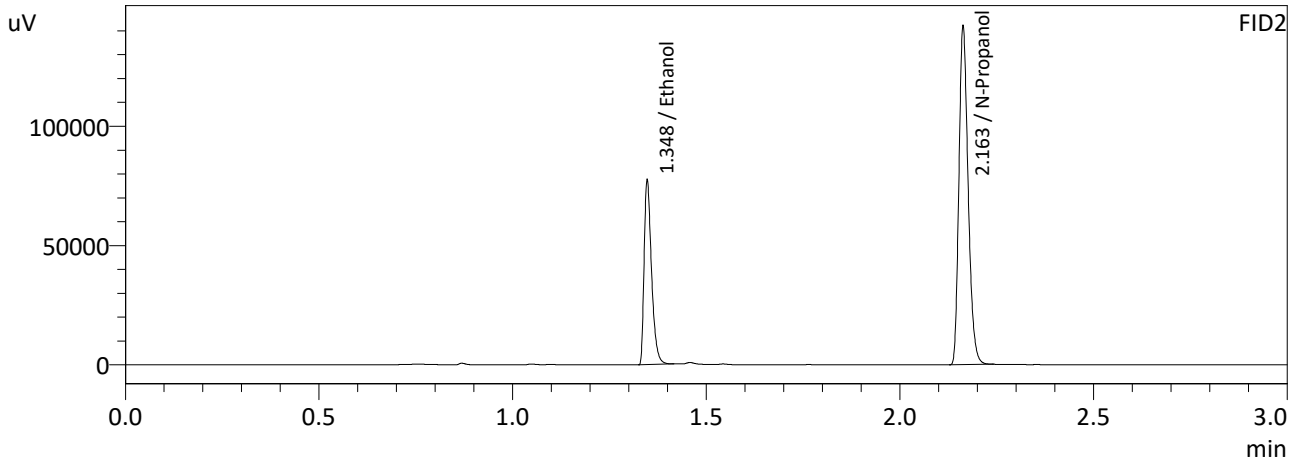
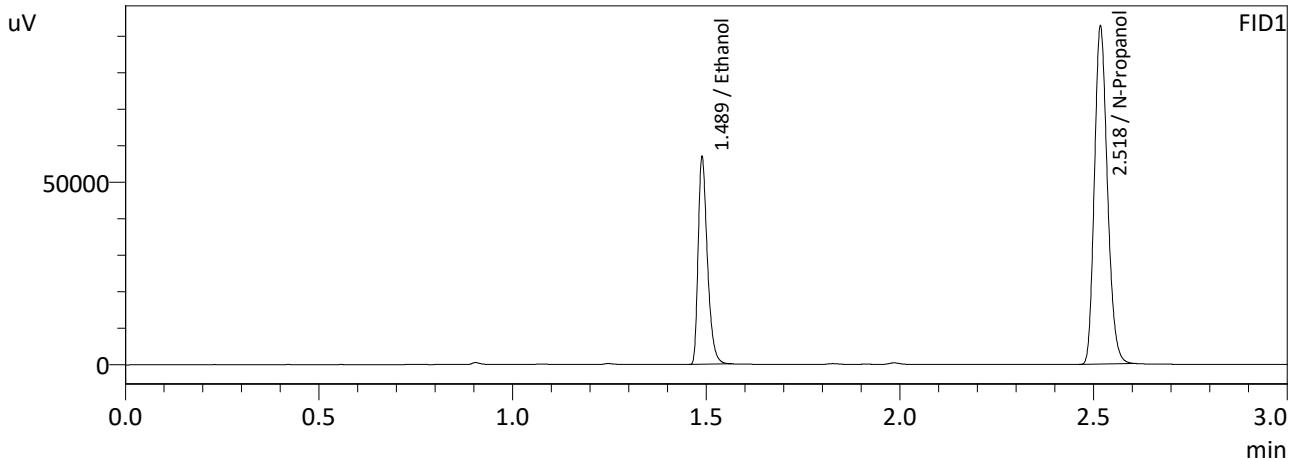
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2035	92090	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	210661	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2027	99918	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228622	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 4:28:10 PM  
 Vial # : 26  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2033	94482	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216357	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2028	102642	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	234833	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 5/24/2024 8:25:40 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2080	0.2075	0.0005	0.2077	0.0043	0.2056
(g/100cc)	0.2035	0.2034	0.0001	0.2034		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL\_240524NB.gcm

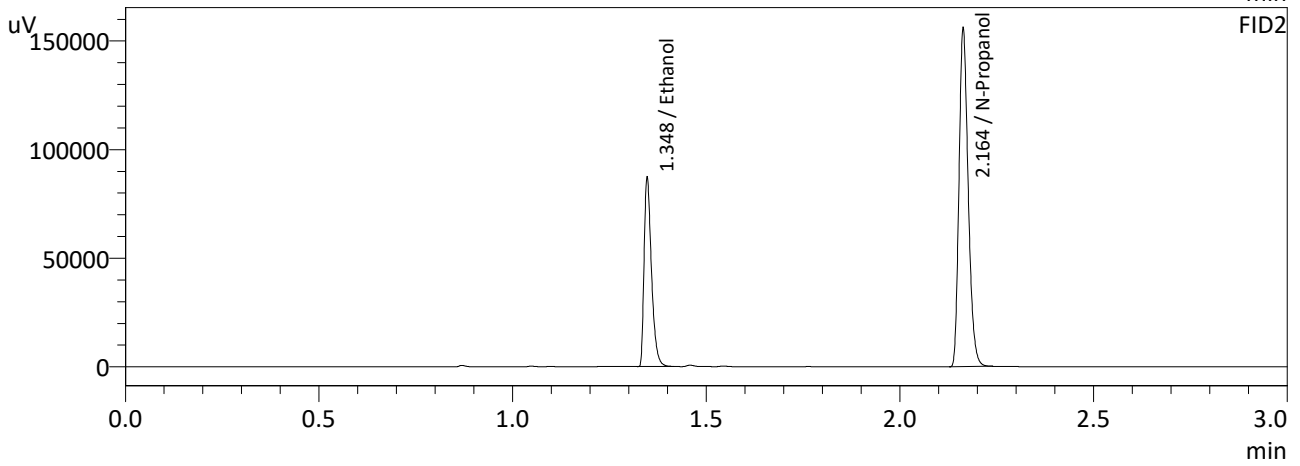
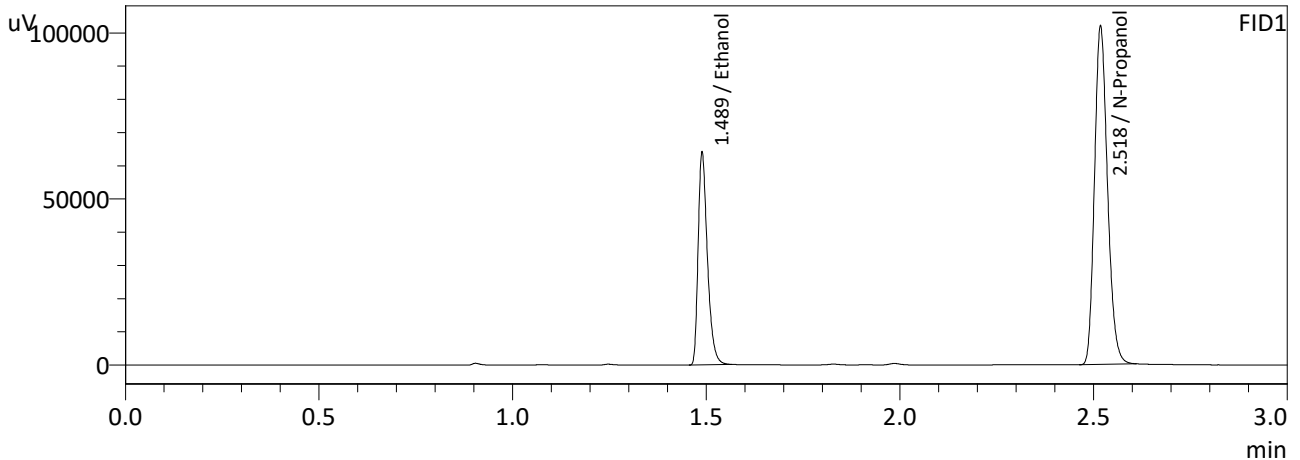
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011

	Reported Results
	0.205

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 8:25:40 PM  
 Vial # : 55  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

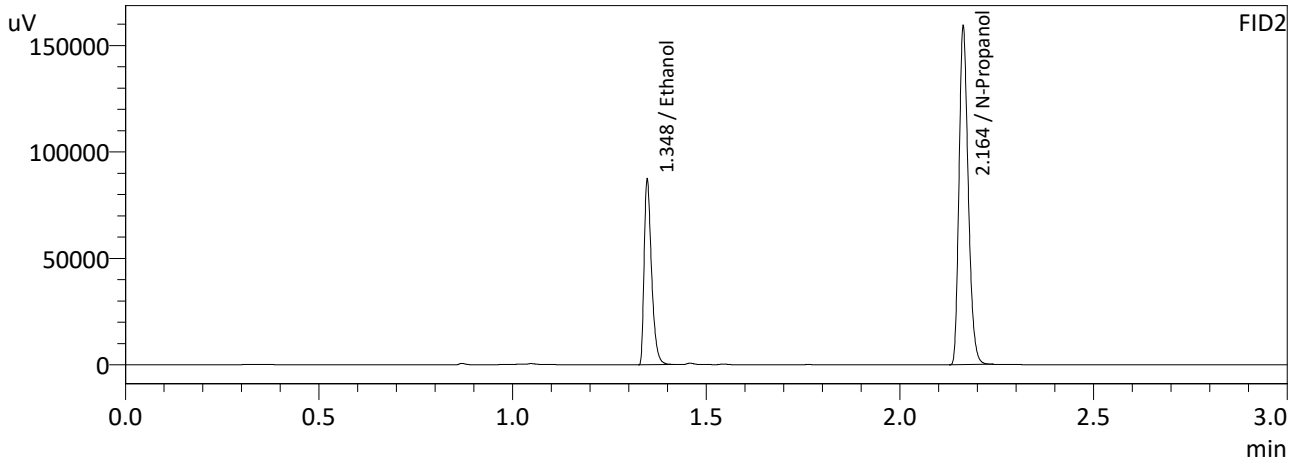
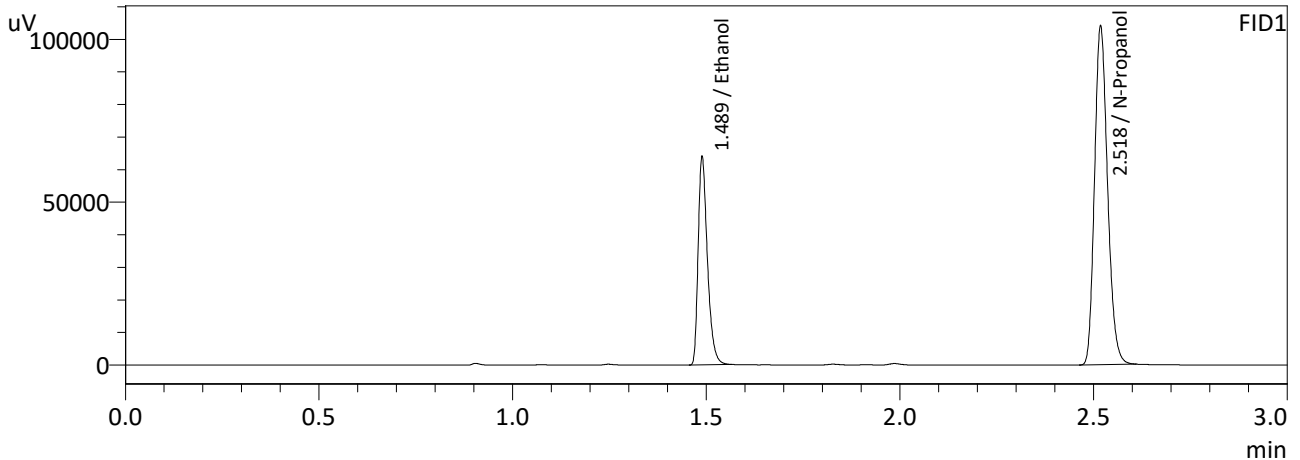
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2080	106232	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237728	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2075	115317	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257740	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 8:34:00 PM  
 Vial # : 56  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

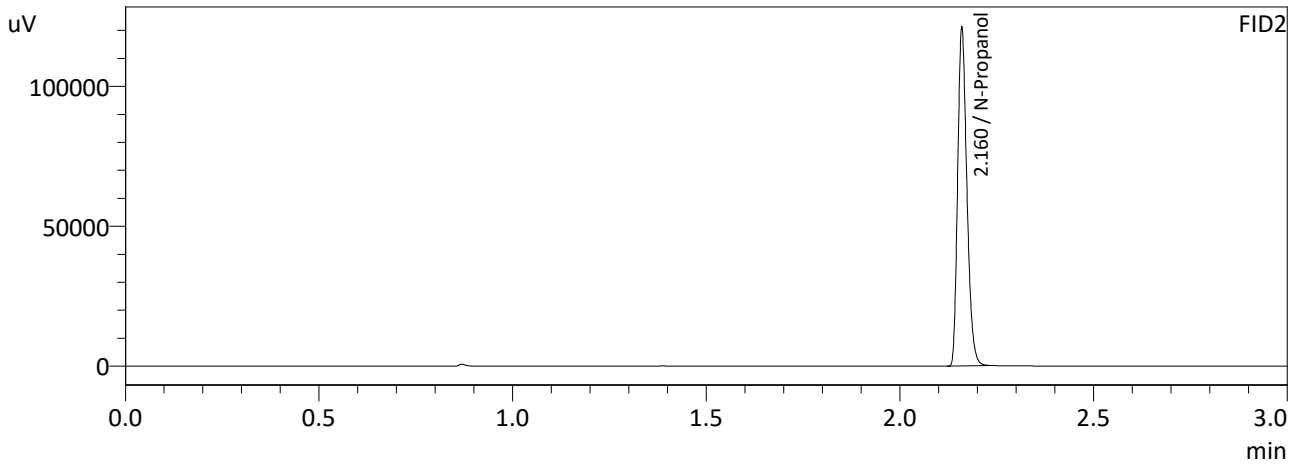
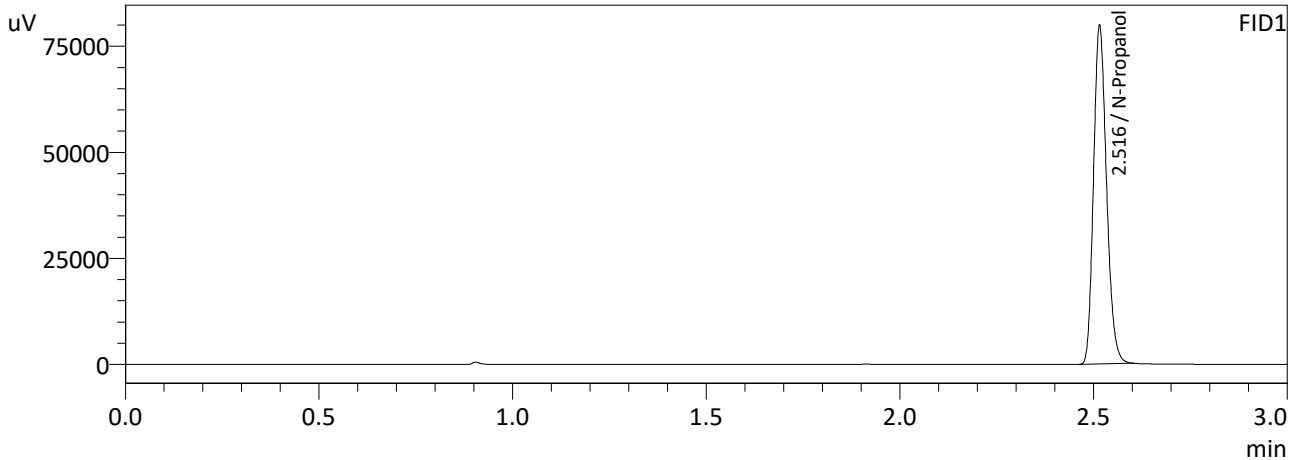
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2035	106161	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	242791	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2034	115395	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263223	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 1  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:07:45 PM  
 Vial # : 1  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

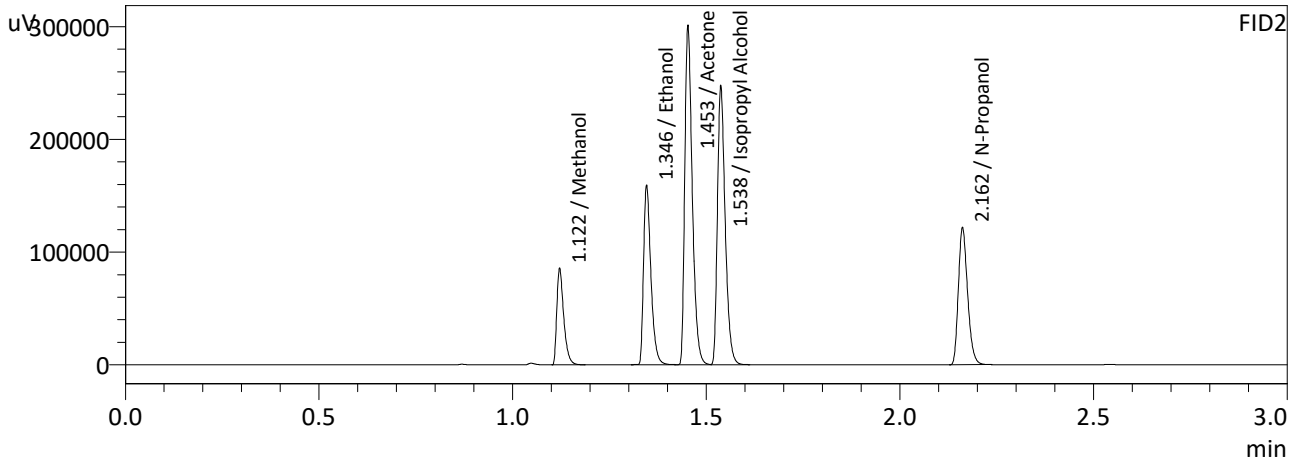
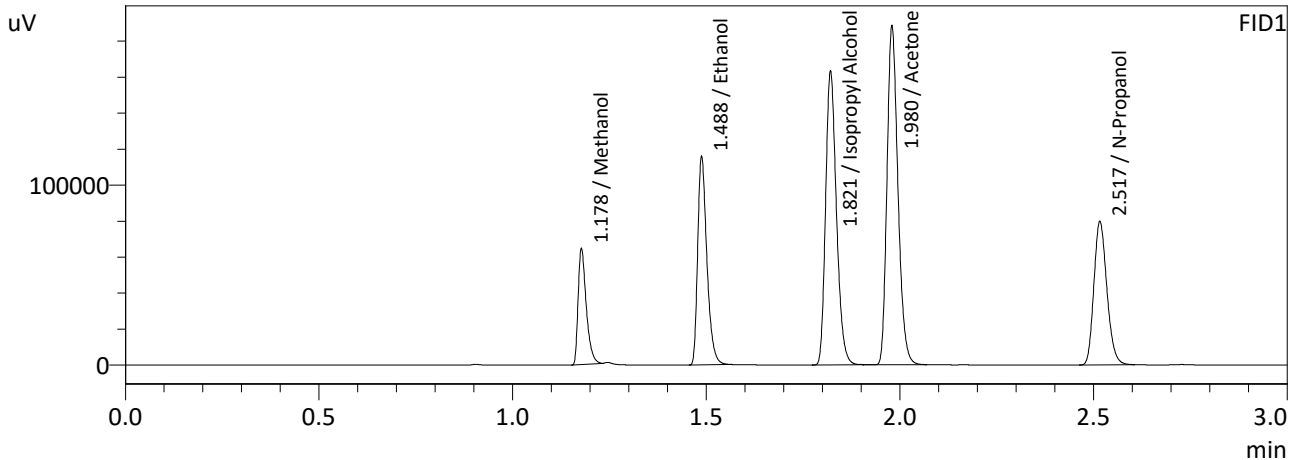
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186328	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200836	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 1:15:04 PM  
 Vial # : 2  
 Method Filename : Default Project - ALCOHOL\_240524NB.gcm  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	94011	g/100cc
Ethanol	0.4778	191082	g/100cc
Isopropyl Alcohol	0.0000	317418	g/100cc
Acetone	0.0000	369666	g/100cc
N-Propanol	0.0000	185912	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

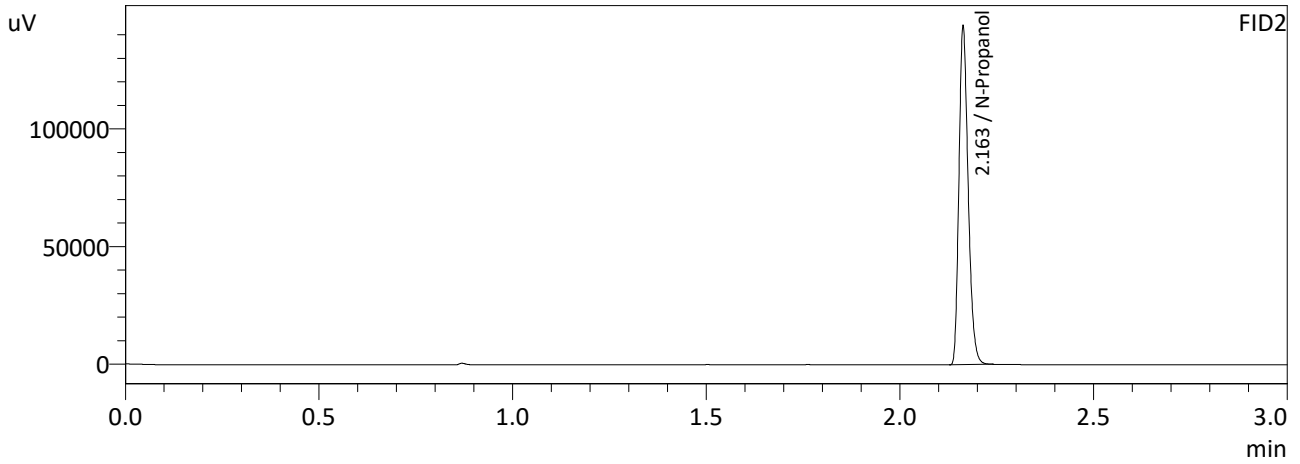
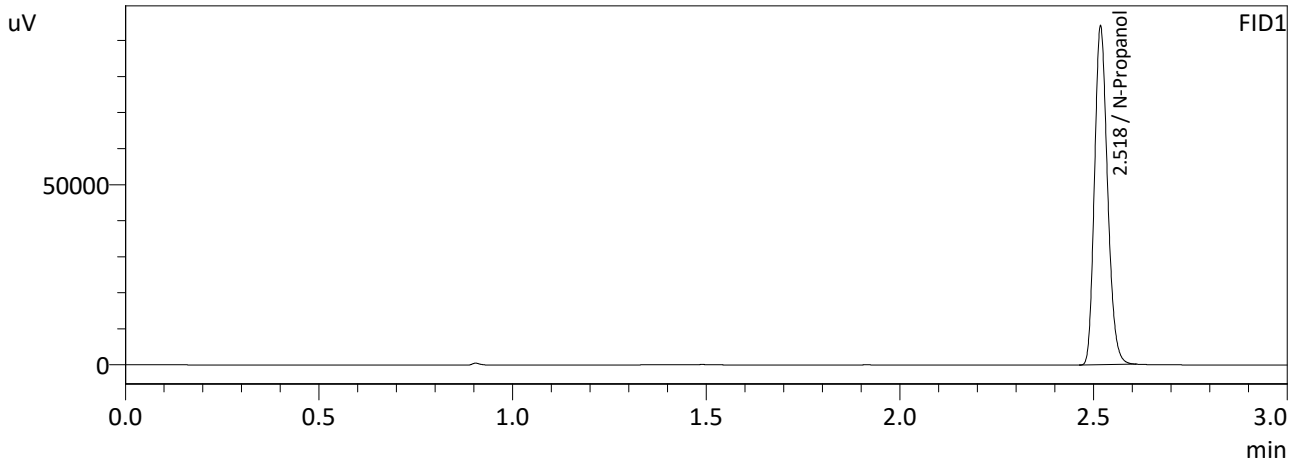
FID2

Name	Conc.	Area	Unit
Methanol	0.0000	106002	g/100cc
Ethanol	0.4804	209264	g/100cc
Acetone	0.0000	404518	g/100cc
Isopropyl Alcohol	0.0000	343600	g/100cc
N-Propanol	0.0000	201222	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB



Sample Name : ISTD BLK 2  
 Laboratory : Meridian  
 Injection Date : 5/24/2024 8:43:20 PM  
 Vial # : 57  
 Method Filename : Default Project - ALCOHOL\_240524NB.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	219817	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	238183	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 240524NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240524NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240524NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240524NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240524NB.gcm
7	M2024-1922-1	0:Unknown	0	ALCOHOL 240524NB.gcm
8	M2024-1922-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
9	M2024-1925-1	0:Unknown	0	ALCOHOL 240524NB.gcm
10	M2024-1925-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
11	M2024-1932-1	0:Unknown	0	ALCOHOL 240524NB.gcm
12	M2024-1932-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
13	M2024-1933-1	0:Unknown	0	ALCOHOL 240524NB.gcm
14	M2024-1933-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
15	M2024-1934-1	0:Unknown	0	ALCOHOL 240524NB.gcm
16	M2024-1934-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
17	M2024-1947-1	0:Unknown	0	ALCOHOL 240524NB.gcm
18	M2024-1947-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
19	M2024-1954-2	0:Unknown	0	ALCOHOL 240524NB.gcm
20	M2024-1954-2-B	0:Unknown	0	ALCOHOL 240524NB.gcm
21	M2024-1966-1	0:Unknown	0	ALCOHOL 240524NB.gcm
22	M2024-1966-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
23	M2024-1970-1	0:Unknown	0	ALCOHOL 240524NB.gcm
24	M2024-1970-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 240524NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
27	M2024-1971-1	0:Unknown	0	ALCOHOL 240524NB.gcm
28	M2024-1971-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
29	M2024-1982-1	0:Unknown	0	ALCOHOL 240524NB.gcm
30	M2024-1982-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
31	M2024-1989-1	0:Unknown	0	ALCOHOL 240524NB.gcm
32	M2024-1989-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
33	M2024-1990-1	0:Unknown	0	ALCOHOL 240524NB.gcm
34	M2024-1990-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
35	M2024-2005-1	0:Unknown	0	ALCOHOL 240524NB.gcm
36	M2024-2005-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
37	M2024-2012-1	0:Unknown	0	ALCOHOL 240524NB.gcm
38	M2024-2012-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
39	M2024-2013-1	0:Unknown	0	ALCOHOL 240524NB.gcm
40	M2024-2013-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
41	M2024-2014-1	0:Unknown	0	ALCOHOL 240524NB.gcm
42	M2024-2014-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
43	M2024-2015-1	0:Unknown	0	ALCOHOL 240524NB.gcm
44	M2024-2015-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
45	M2024-2016-1	0:Unknown	0	ALCOHOL 240524NB.gcm
46	M2024-2016-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 240524NB.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 240524NB.gcm
49	M2024-2017-1	0:Unknown	0	ALCOHOL 240524NB.gcm
50	M2024-2017-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
51	M2024-2024-1	0:Unknown	0	ALCOHOL 240524NB.gcm
52	M2024-2024-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
53	M2024-2028-1	0:Unknown	0	ALCOHOL 240524NB.gcm
54	M2024-2028-1-B	0:Unknown	0	ALCOHOL 240524NB.gcm
55	QC-2-2	0:Unknown	0	ALCOHOL 240524NB.gcm
56	QC-2-2-B	0:Unknown	0	ALCOHOL 240524NB.gcm
57	ISTD BLK 2	0:Unknown	0	ALCOHOL 240524NB.gcm

NB