

REVIEWED

By Galina Giso at 1:11 pm, Apr 10, 2023

4/7/2023

Worklist: 6321

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1239	1	BCK	Alcohol Analysis	
M2023-1240	1	BCK	Alcohol Analysis	
M2023-1245	1	BCK	Alcohol Analysis	
M2023-1249	1	BCK	Alcohol Analysis	
M2023-1291	1	BCK	Alcohol Analysis	
M2023-1292	1	BCK	Alcohol Analysis	
M2023-1295	1	BCK	Alcohol Analysis	
M2023-1296	1	BCK	Alcohol Analysis	
M2023-1316	1	BCK	Alcohol Analysis	
M2023-1320	1	BCK	Alcohol Analysis	
M2023-1324	1	BCK	Alcohol Analysis	
M2023-1331	1	BCK	Alcohol Analysis	
M2023-1367	1	BCK	Alcohol Analysis	
M2023-1369	1	BCK	Alcohol Analysis	
M2023-1370	1	BCK	Alcohol Analysis	
M2023-1395	1	BCK	Alcohol Analysis	
M2023-1414	1	BCK	Alcohol Analysis	
M2023-1416	1	BCK	Alcohol Analysis	
M2023-1420	1	BCK	Alcohol Analysis	

→ Qualitative only

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): 4/7/23

Calibration Date: 4/7/23

Worklist #: 6321

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0787 g/100cc
					0.0832 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2126 g/100cc
					0.2153 g/100cc
					g/100cc
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902
Curve Fit:			Column 1	0.99995	Column2 0.99995

NB 4/10/23

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0513	0.0513	0	0.0513
100	0.100	0.090 - 0.110	0.0993	0.0993	0	0.0993
200	0.200	0.180 - 0.220	0.2000	0.1999	0.0001	0.1999
300	0.300	0.270 - 0.330	0.2981	0.2982	0.0001	0.2981
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5010	0	0.501

Aqueous Controls

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

NB

Internal Standard Monitoring Worksheet

Worksheet #: 6321 Run Date(s): 4/7/23

Internal Standard Solution: Prep Date: 2/24/2023 Exp Date: 8/24/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	187807	203676
0.080	184902	200555
QC1	184233	199758
QC1	181732	197180
QC1	213616	232070
QC1	218177	236905
QC1		
QC1		
QC2	198716	215648
QC2	205008	222581
QC2	217079	235733
QC2	228600	248229
QC2		
QC2		

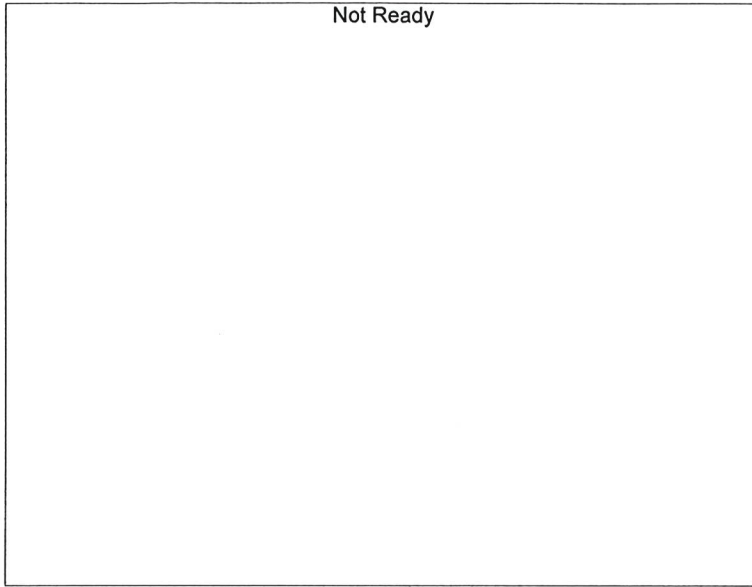
	Average	(-)20%	(+)20%
Column 1	201987.0	161589.6	242384.4
Column 2	219233.5	175386.8	263080.2



Calibration Table

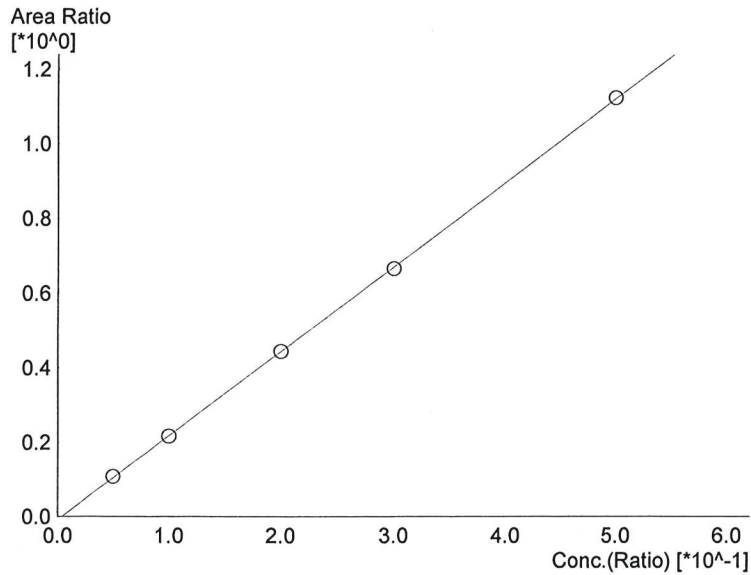
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
 Method File :Default Project -ALCOHOL_230407NB.gcm
 Batch File :Default Project - CALCURVE_230407.gcb
 Date Acquired :4/7/2023 12:55:02 PM
 Date Created :4/7/2023 12:50:19 PM
 Date Modified :4/7/2023 12:58:04 PM



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

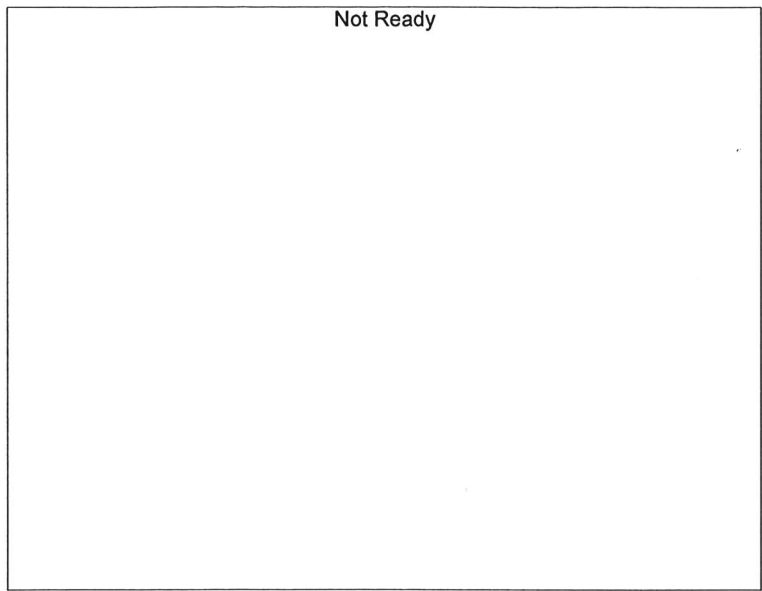
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.25996*x-0.00862818$
 R² value= 0.9999473
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20434	0.0513
2	0.100	40365	0.0993
3	0.200	82756	0.2000
4	0.300	121739	0.2981
5	0.500	214806	0.5010

NB



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

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

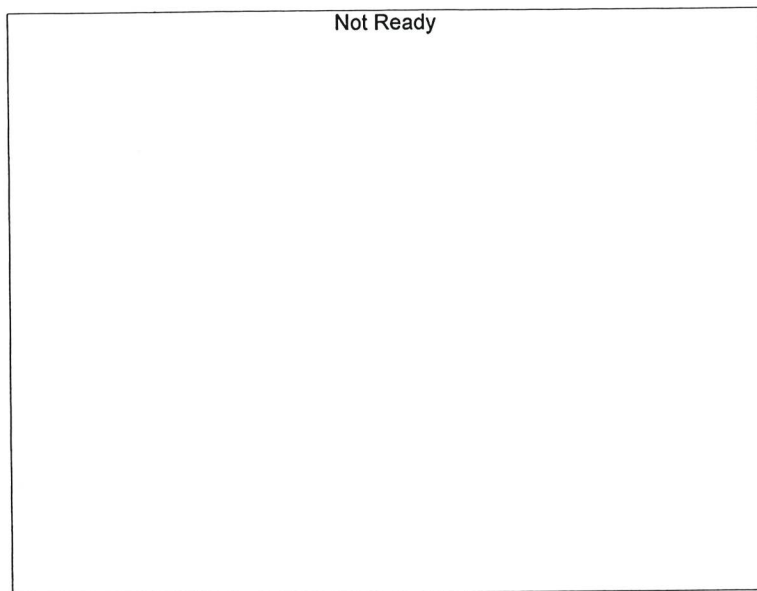
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

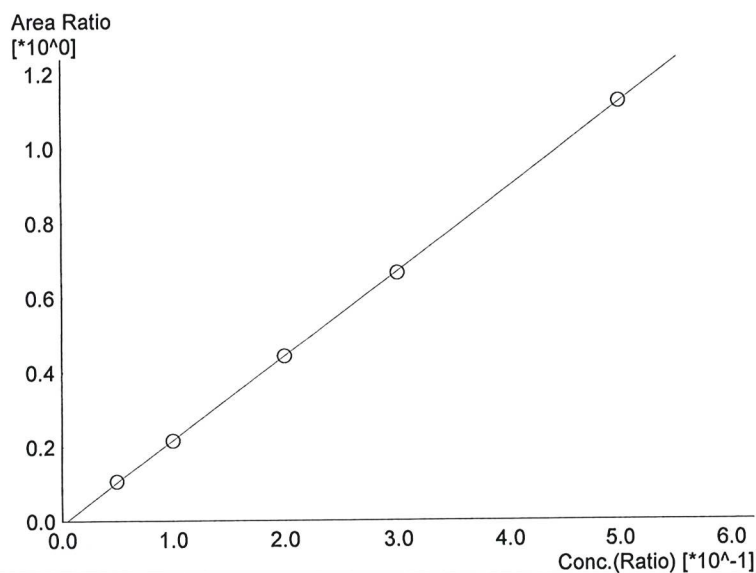
#	Conc.	Area	Std. Conc.
---	-------	------	------------

NB



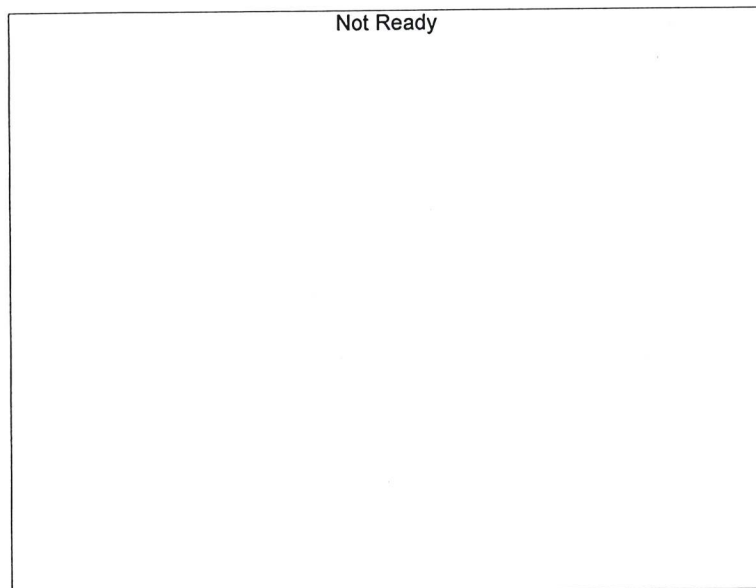
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.26040*x-0.00995233$
 R² value= 0.9999497
 FitType: Linear
 ZeroThrough: Not Through

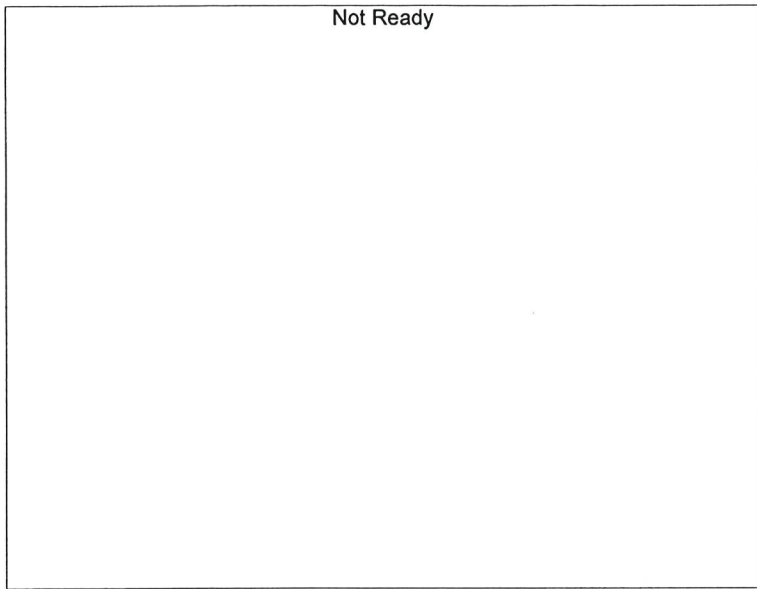
#	Conc.	Area	Std. Conc.
1	0.050	21883	0.0513
2	0.100	43501	0.0993
3	0.200	89324	0.1999
4	0.300	131718	0.2982
5	0.500	232656	0.5010



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

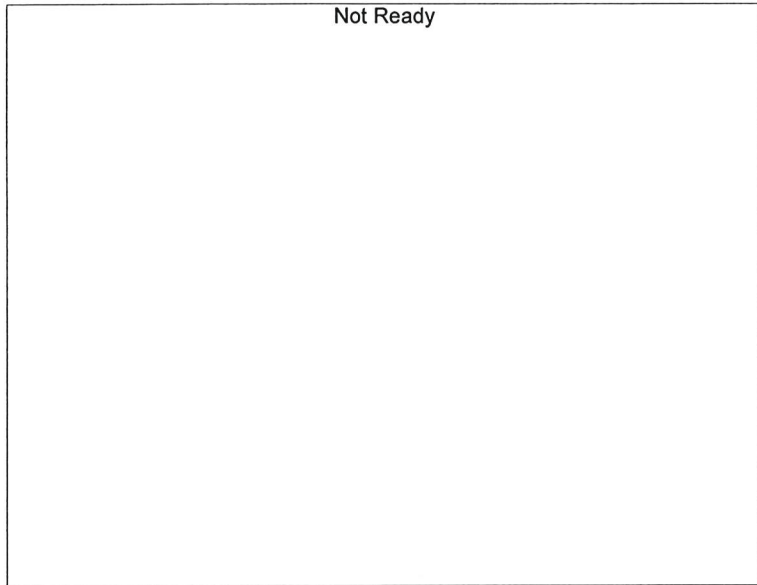
#	Conc.	Area	Std. Conc.
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NB



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

#	Conc.	Area	Std. Conc.
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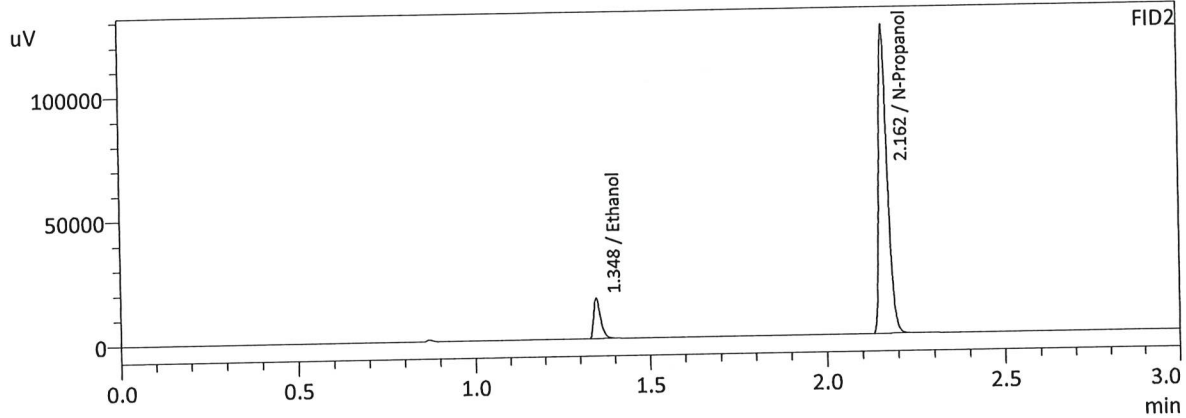
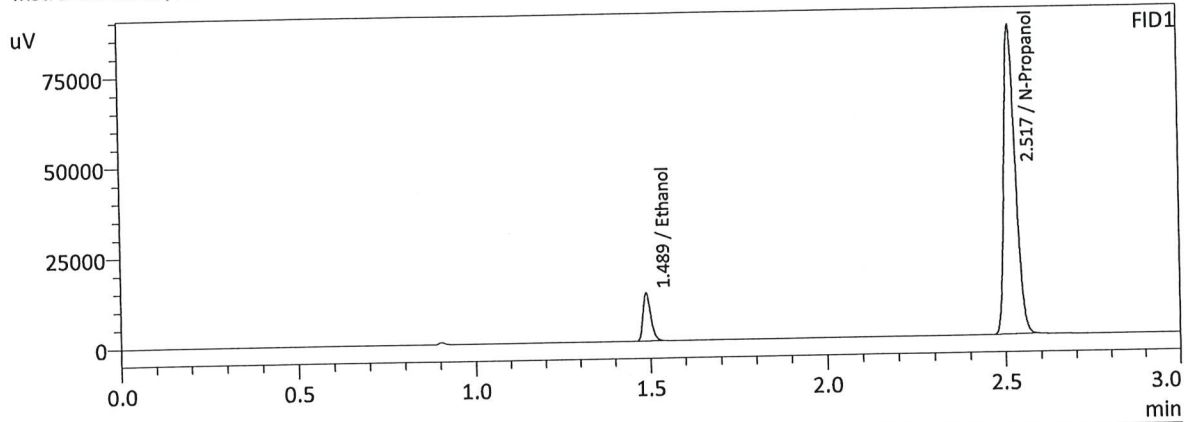


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 4/7/2023 12:23:51 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

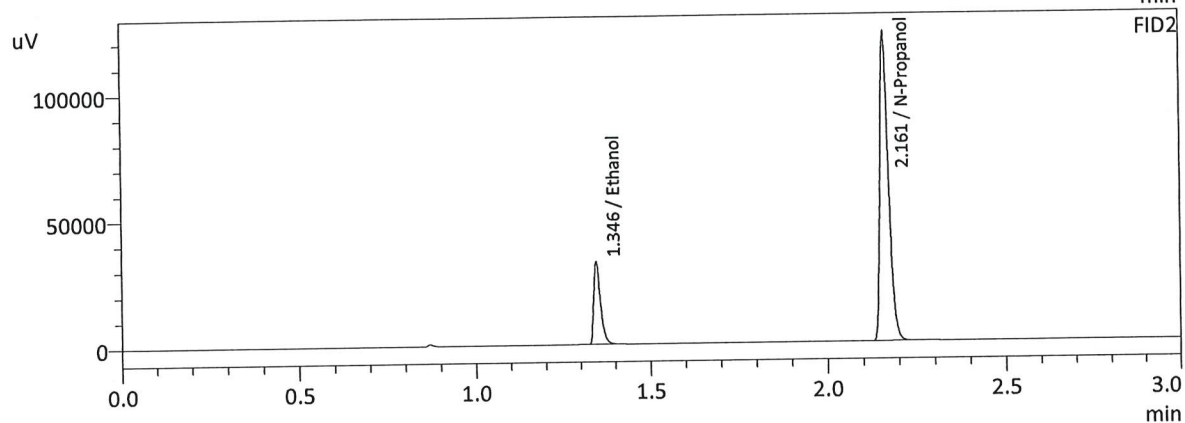
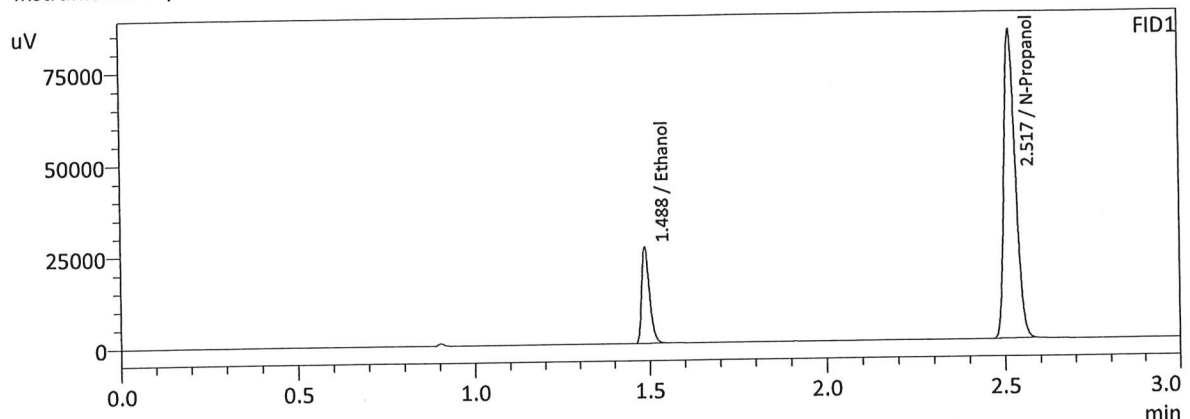
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0513	20434	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190240	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0513	21883	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206213	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 4/7/2023 12:31:11 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

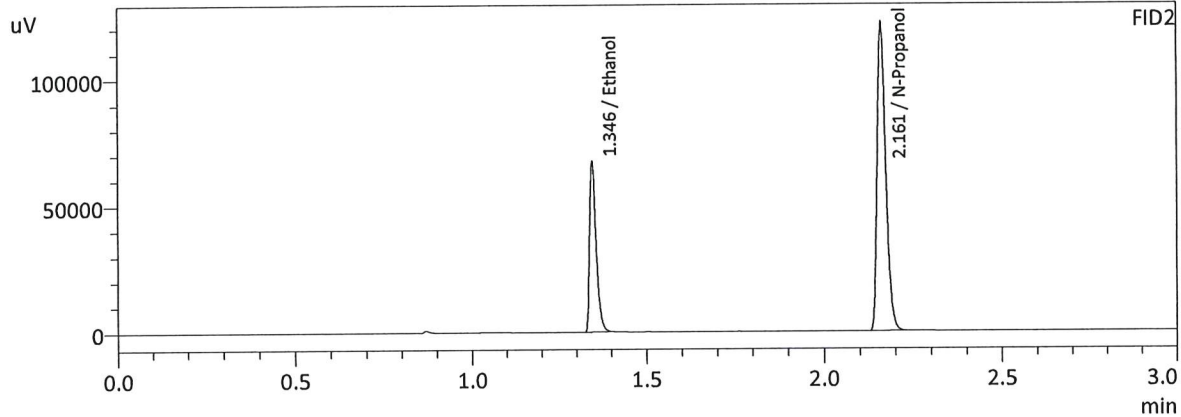
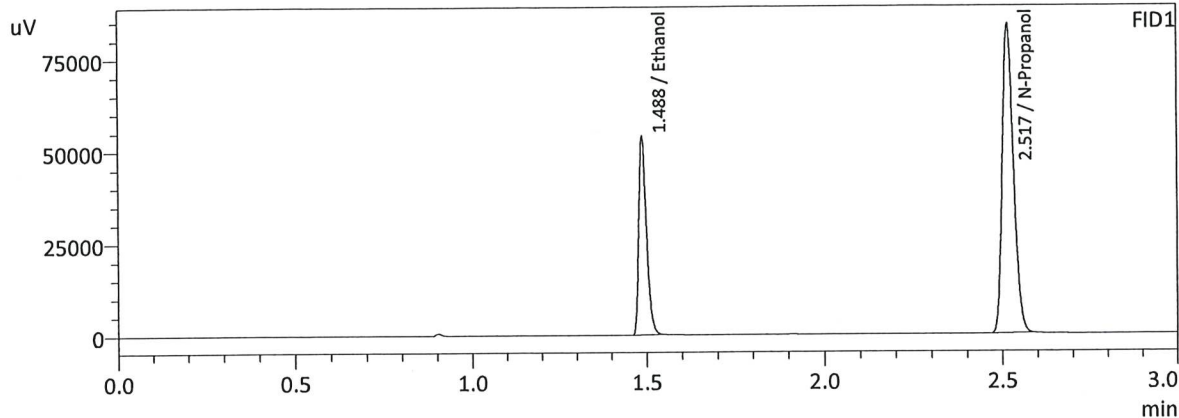
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	40365	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186963	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	43501	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202595	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 4/7/2023 12:38:48 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

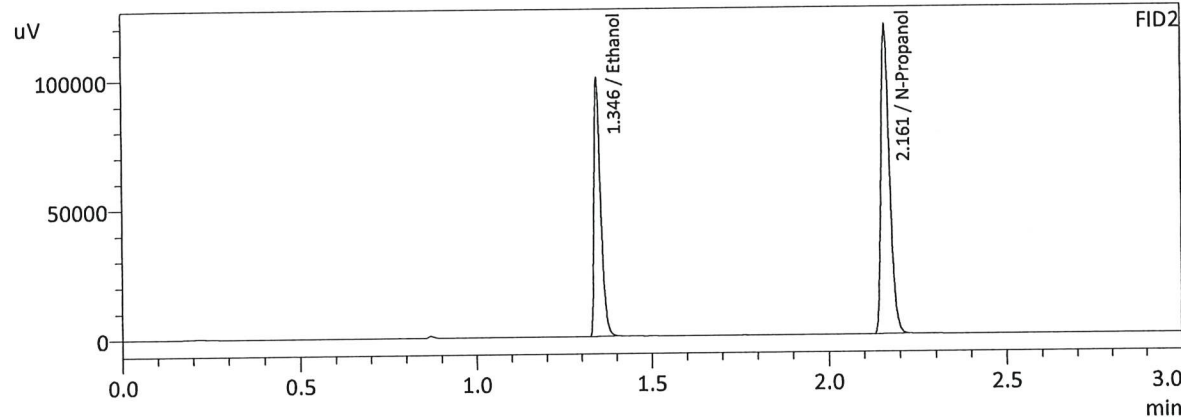
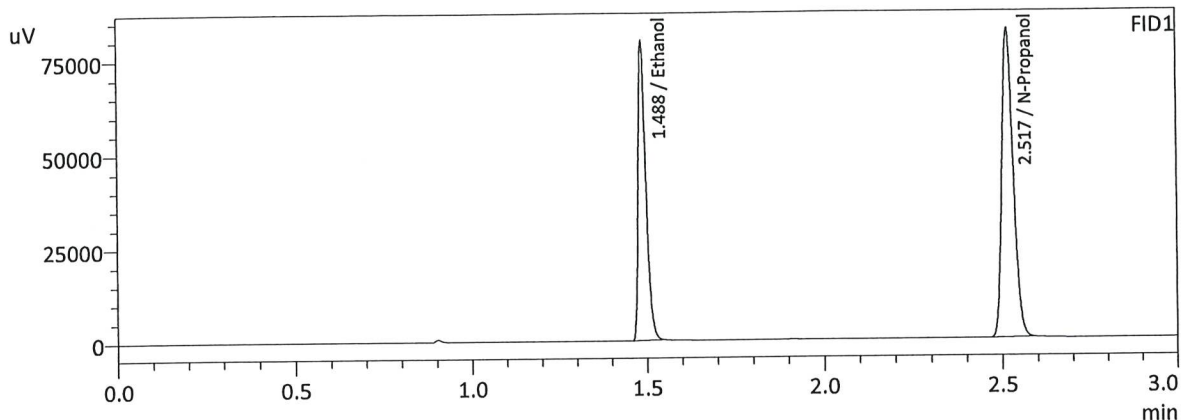
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2000	82756	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186590	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1999	89324	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202073	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

MB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 4/7/2023 12:47:15 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

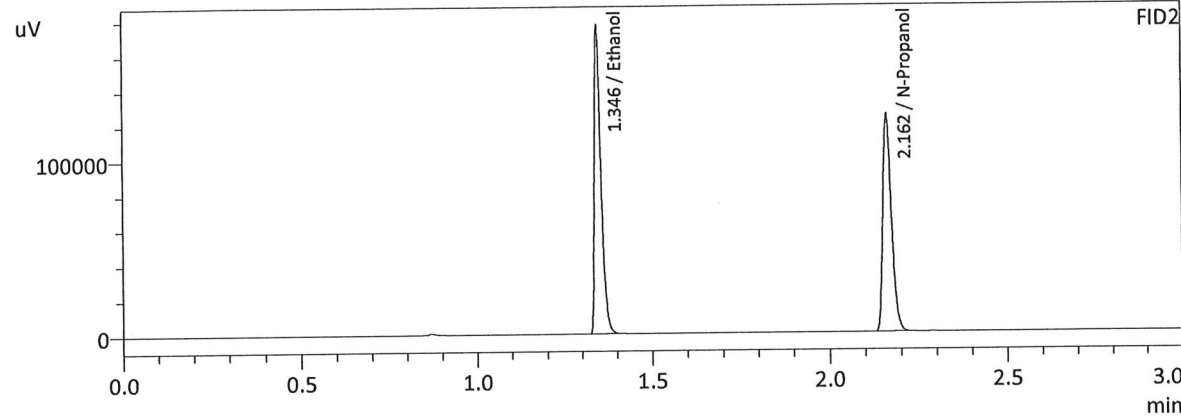
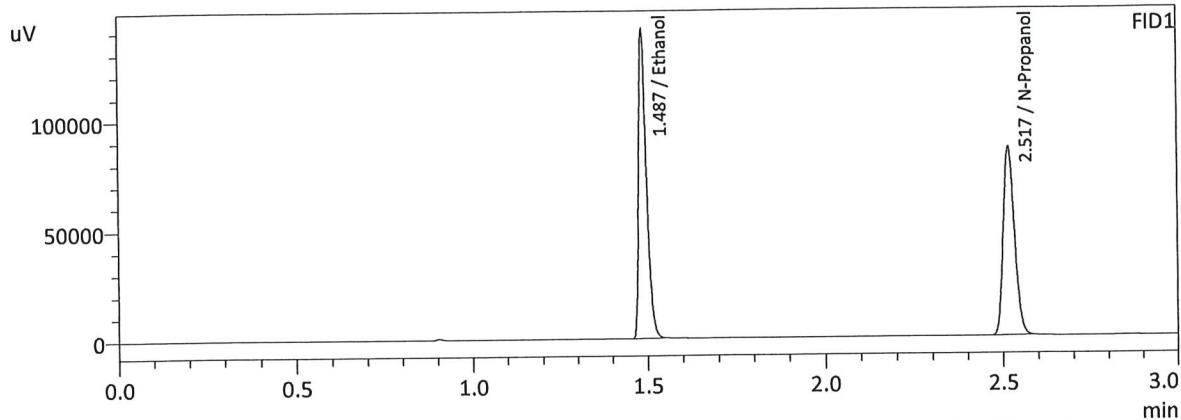
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2981	121739	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183008	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2982	131718	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198318	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 4/7/2023 12:55:02 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

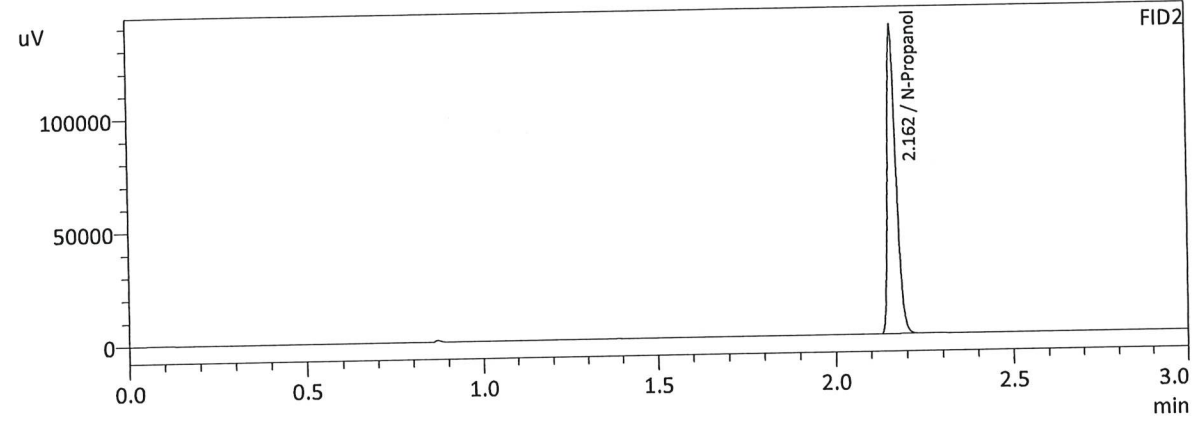
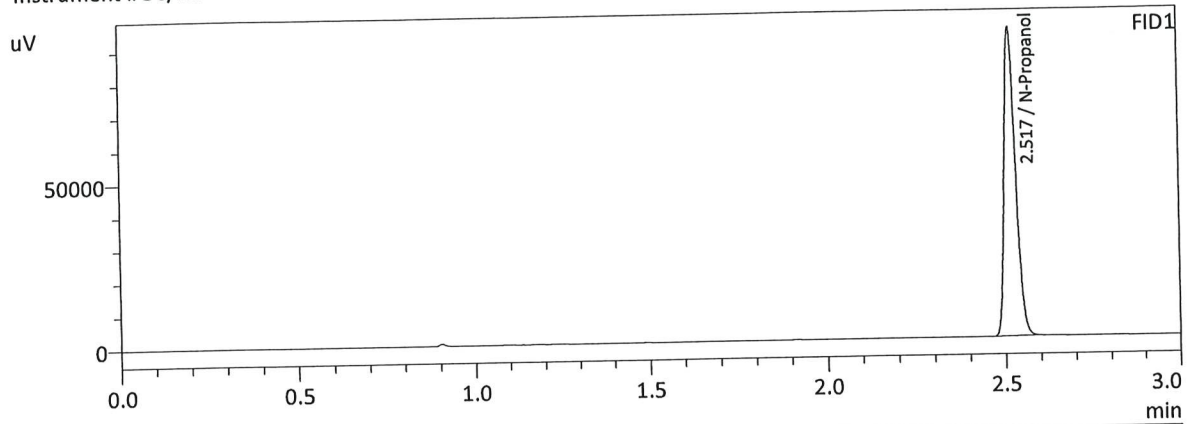
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5010	214806	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191148	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5010	232656	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207239	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Handwritten signature or initials in blue ink.

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 4/7/2023 1:03:37 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230407NB.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	208171	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	225755	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

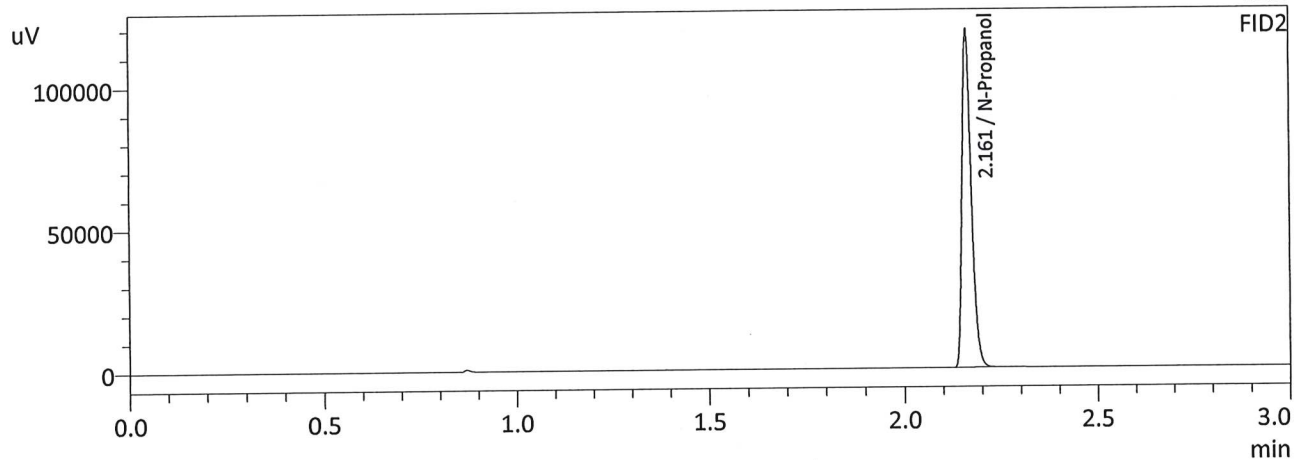
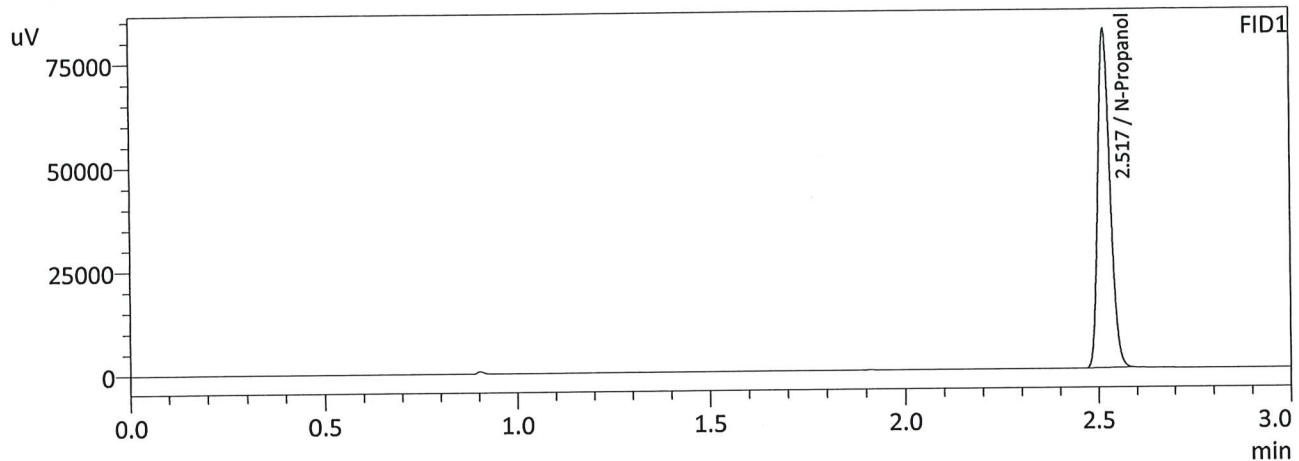
Meridian Blood Alcohol Analysis Batch Table

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 230407NB.gcm
2	0.100	1:Standard	2	ALCOHOL 230407NB.gcm
3	0.200	1:Standard	3	ALCOHOL 230407NB.gcm
4	0.300	1:Standard	4	ALCOHOL 230407NB.gcm
5	0.500	1:Standard	5	ALCOHOL 230407NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230407NB.gcm



Sample Name : INT STD BLK 1
 Laboratory : Meridian
 Injection Date : 4/7/2023 3:17:40 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

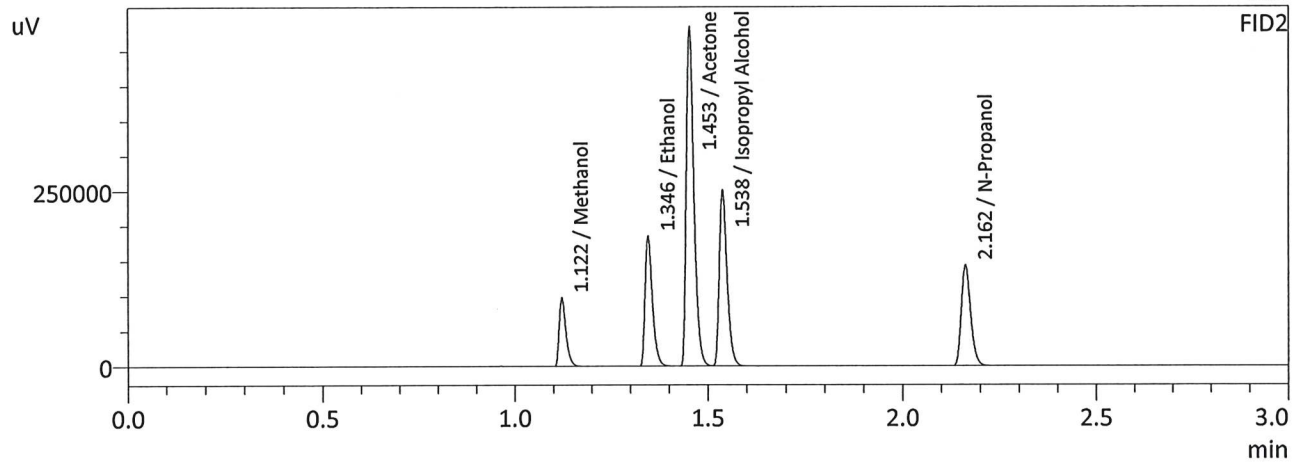
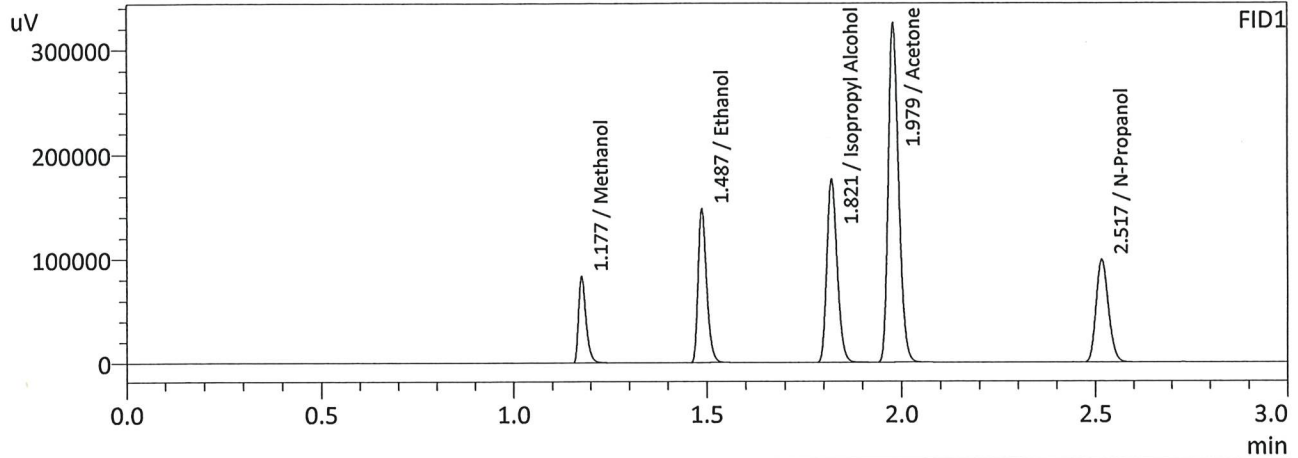
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181449	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196853	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 4/7/2023 3:25:00 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	112272	g/100cc
Ethanol	0.4610	225051	g/100cc
Isopropyl Alcohol	0.0000	323157	g/100cc
Acetone	0.0000	601395	g/100cc
N-Propanol	0.0000	219334	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	121475	g/100cc
Ethanol	0.4615	243085	g/100cc
Acetone	0.0000	651617	g/100cc
Isopropyl Alcohol	0.0000	349380	g/100cc
N-Propanol	0.0000	236866	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 4/7/2023 3:48:51 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0799	0.0795	0.0004	0.0797	0.0002	0.0796
(g/100cc)	0.0796	0.0794	0.0002	0.0795		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

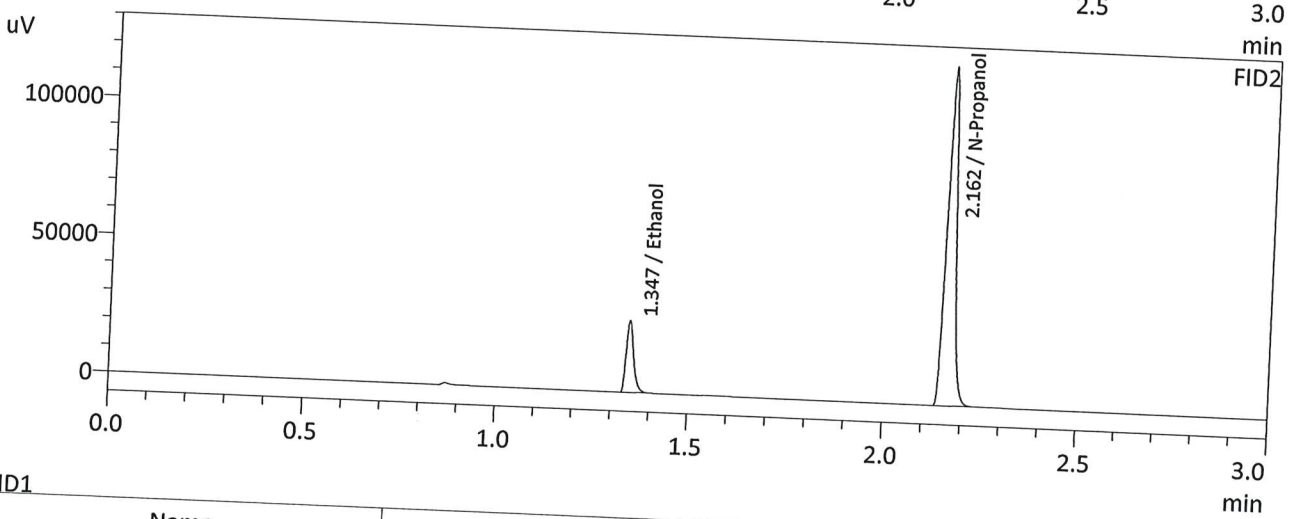
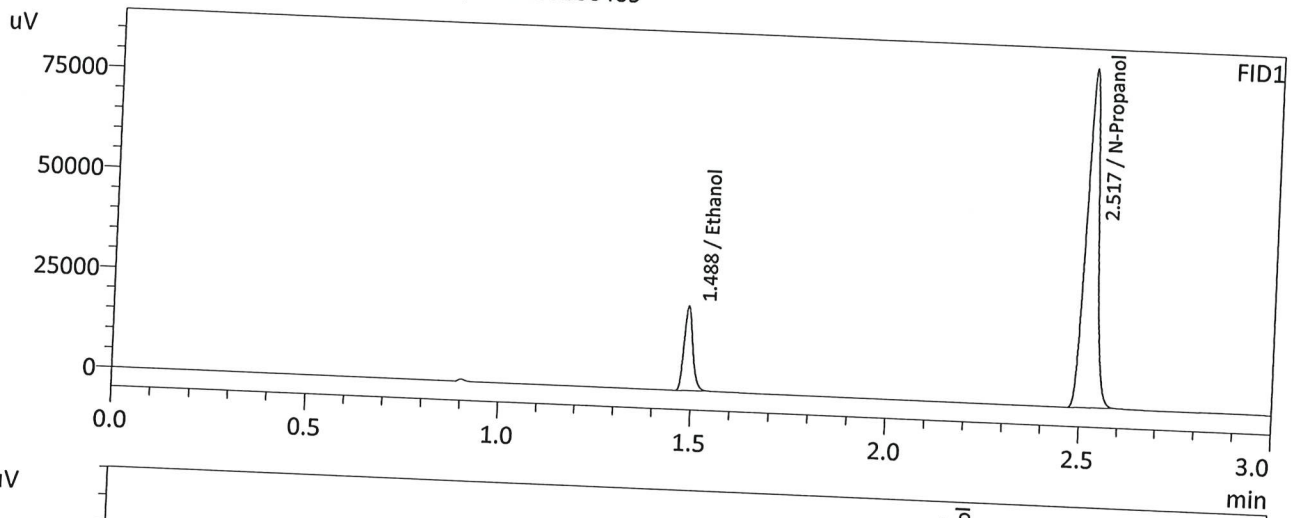
Refer To Instrument Method: ALCOHOL_230407NB.gcm

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 : 4/7/2023 3:48:51 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

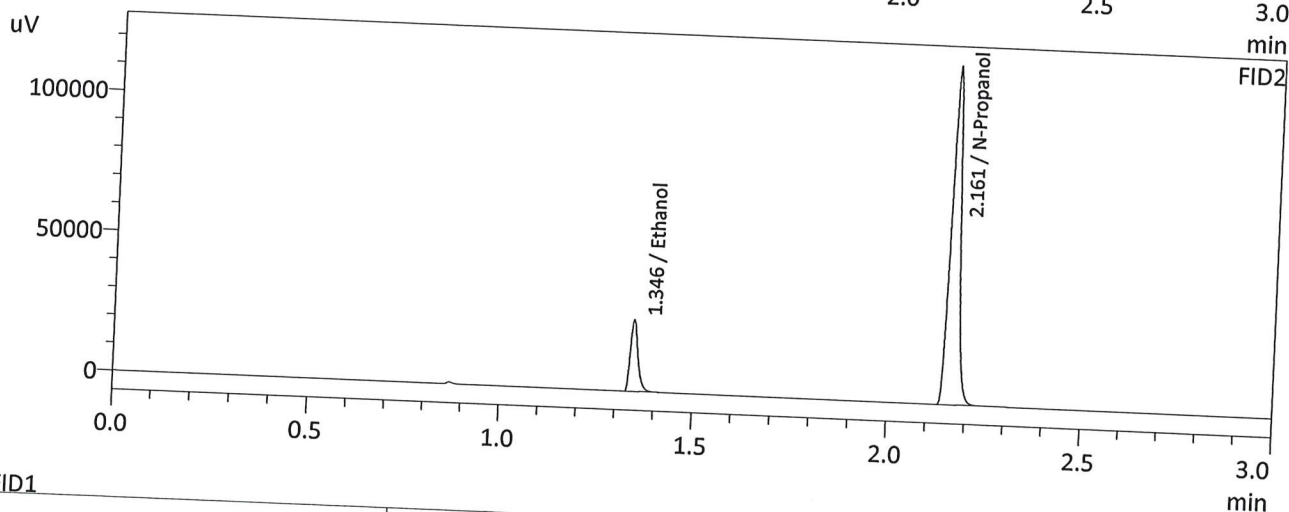
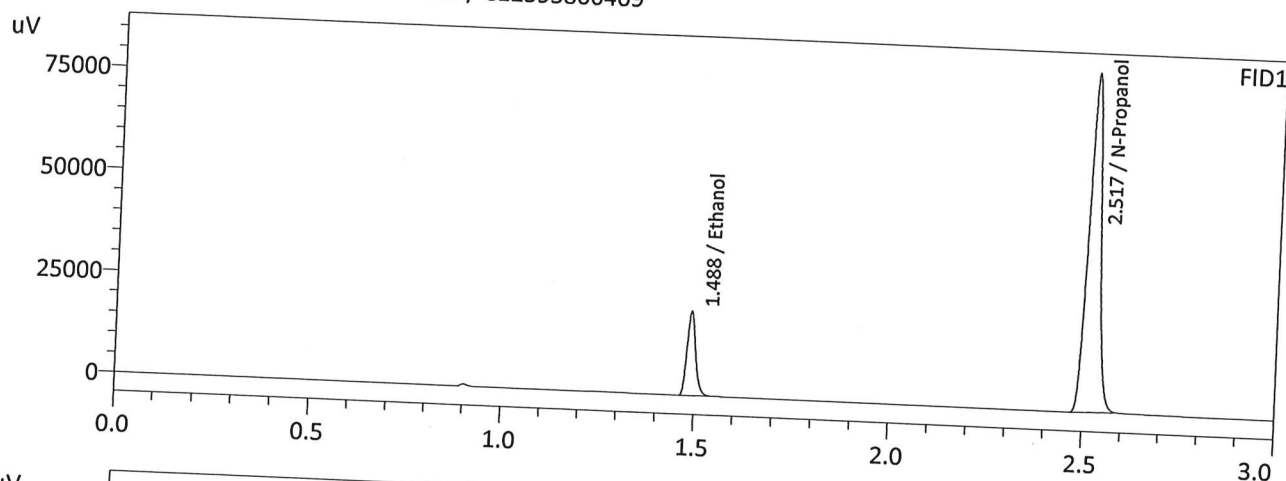
Name	Conc.	Area	Unit
Methanol	--	--	
Ethanol	0.0799	32556	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187807	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	
Ethanol	0.0795	34867	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203676	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 4/7/2023 3:57:31 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	
Ethanol	0.0796	31897	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184902	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	
Ethanol	0.0794	34255	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200555	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1			Analysis Date(s): 4/7/2023 3:32:40 PM(-06:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0786	0.0001	0.0785	0.0003	0.0787
(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.

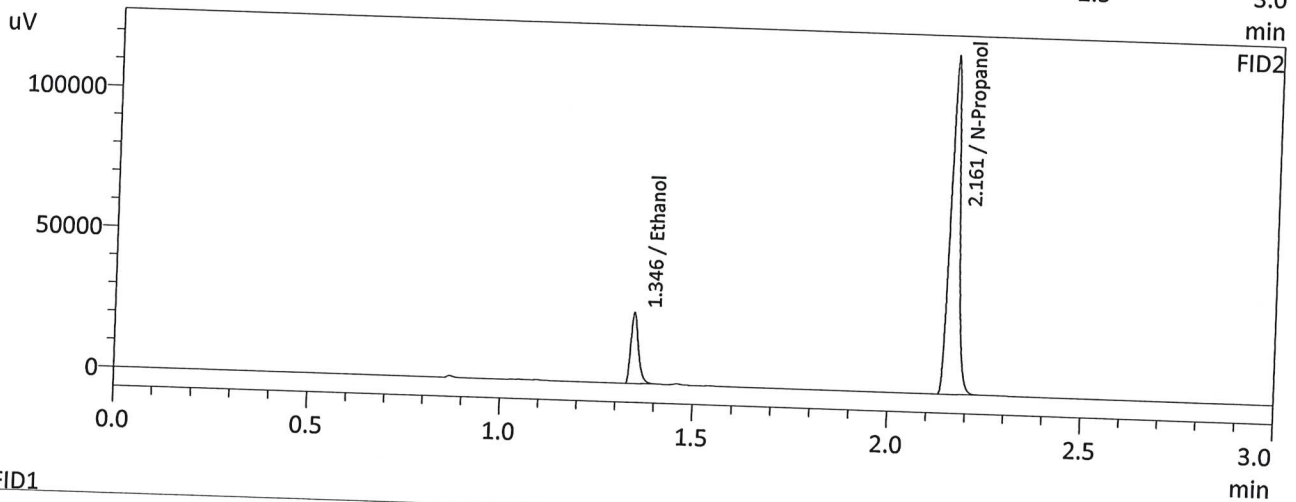
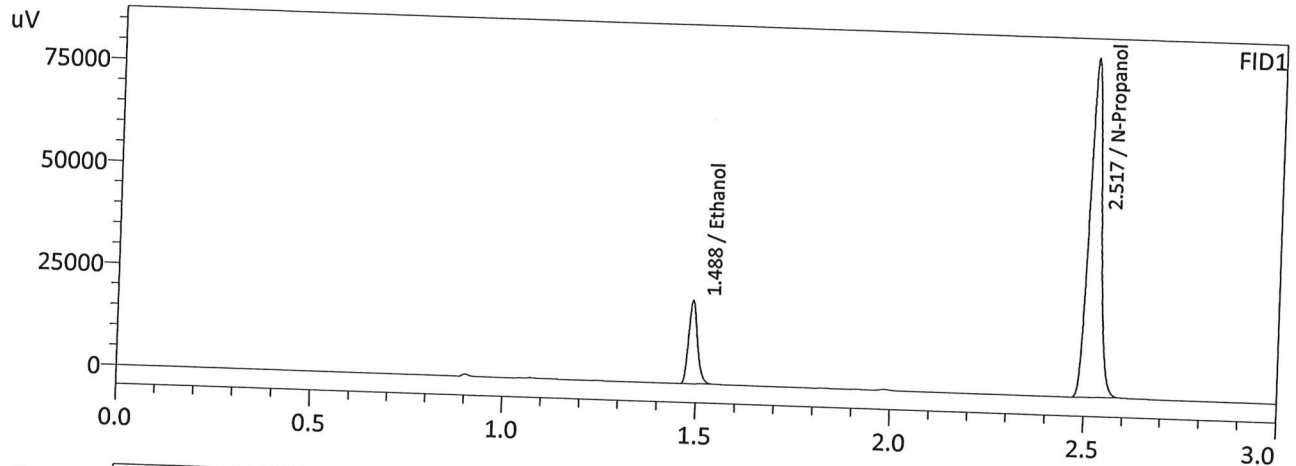
Refer To Instrument Method: ALCOHOL_230407NB.gcm

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 : 4/7/2023 3:32:40 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

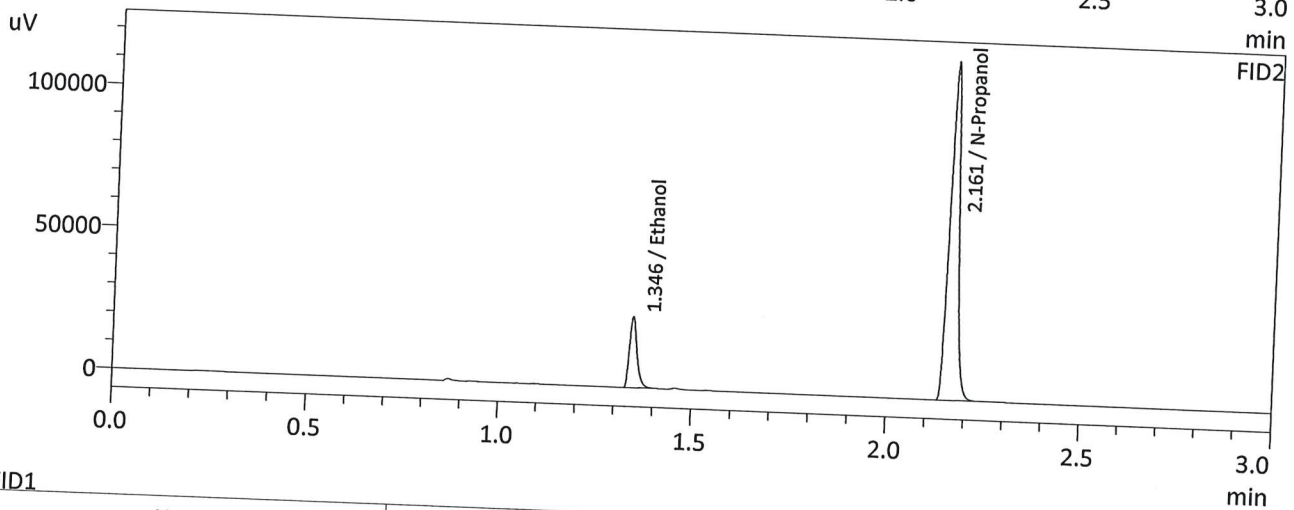
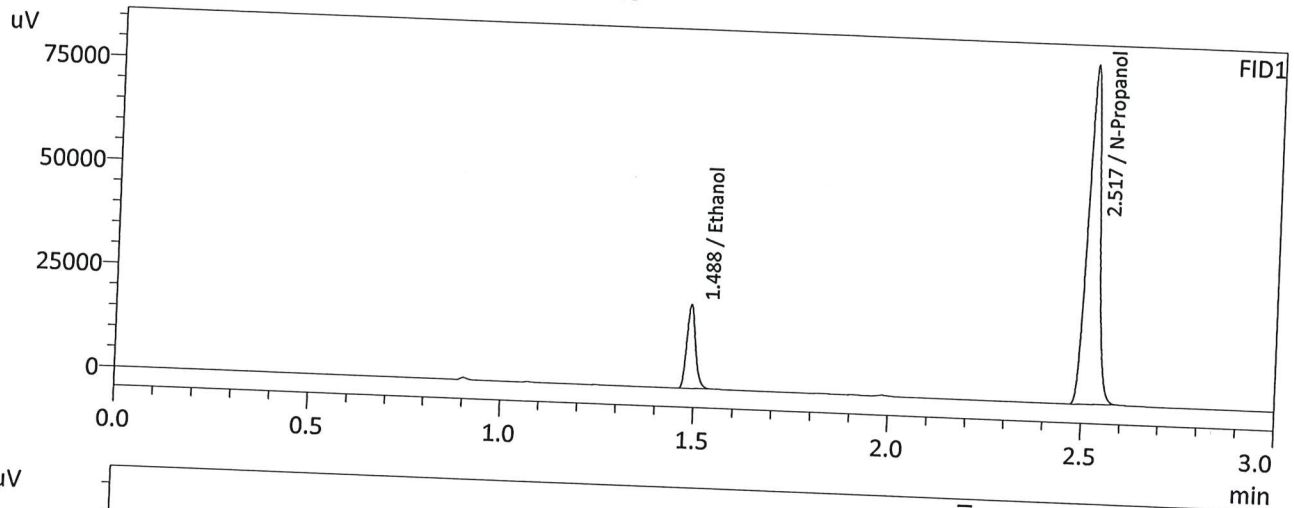
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	31347	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184233	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	33751	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199758	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

MB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 4/7/2023 3:41:05 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	31078	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181732	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33447	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197180	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2

Analysis Date(s): 4/7/2023 9:12:23 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0829	0.0830	0.0001	0.0829	0.0006	0.0832
(g/100cc)	0.0835	0.0836	0.0001	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230407NB.gcm

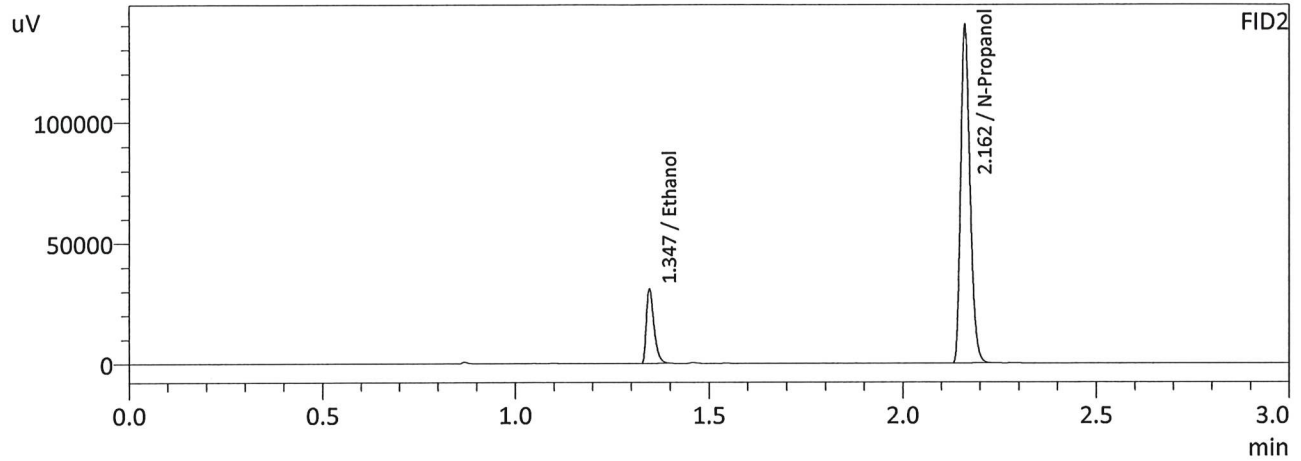
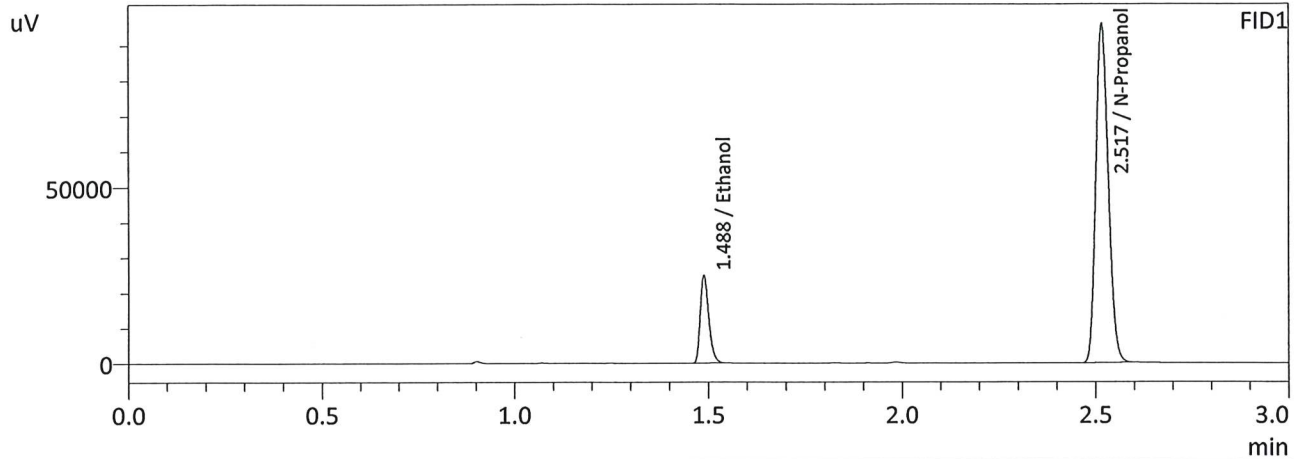
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

Reported Results	
0.083	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 4/7/2023 9:12:23 PM
 Vial # : 45
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

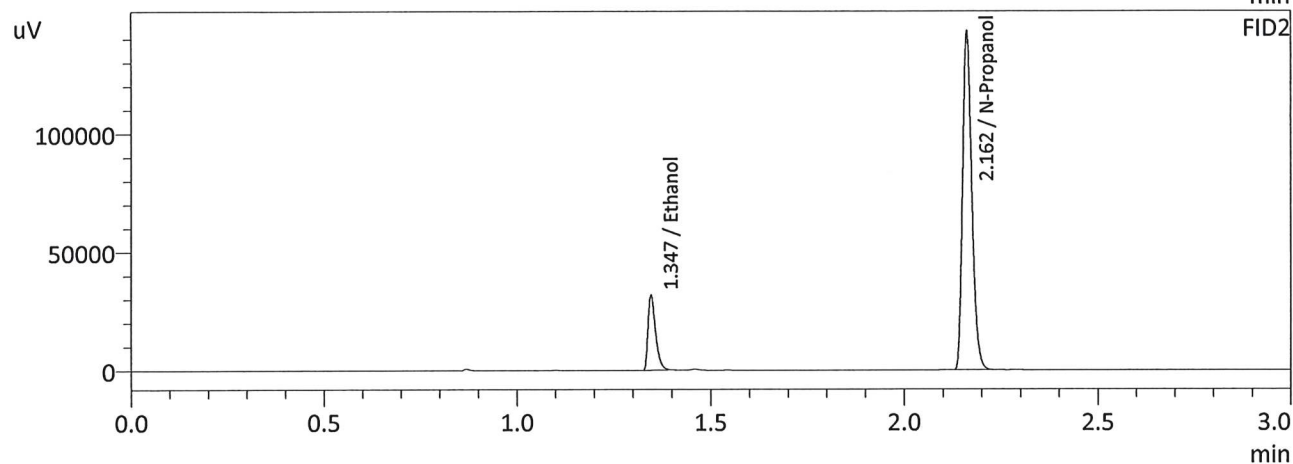
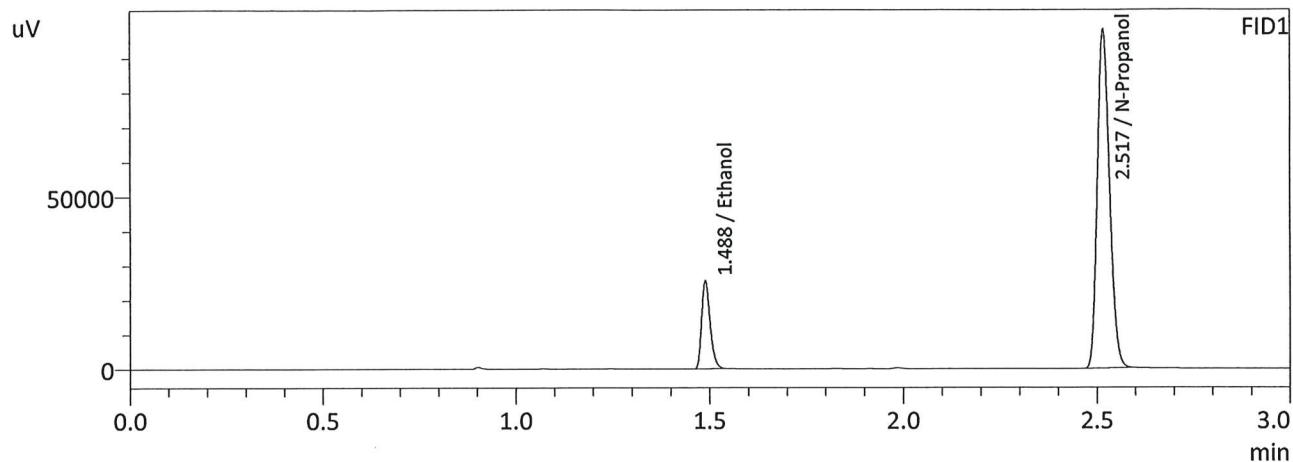
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0829	38445	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213616	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0830	41521	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232070	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 4/7/2023 9:19:37 PM
 Vial # : 46
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	39583	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218177	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	42721	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236905	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1		Analysis Date(s): 4/7/2023 6:30:31 PM(-06:00)				
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	
Sample Results	0.2121	0.2122	0.0001	0.2121	0.0010	0.2126
(g/100cc)	0.2131	0.2131	0.0000	0.2131		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230407NB.gcm

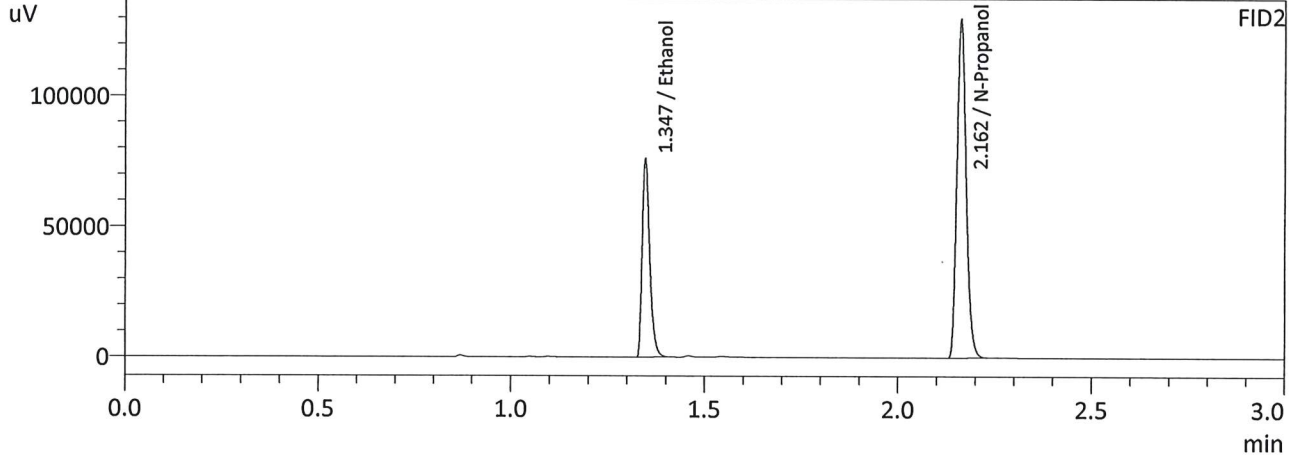
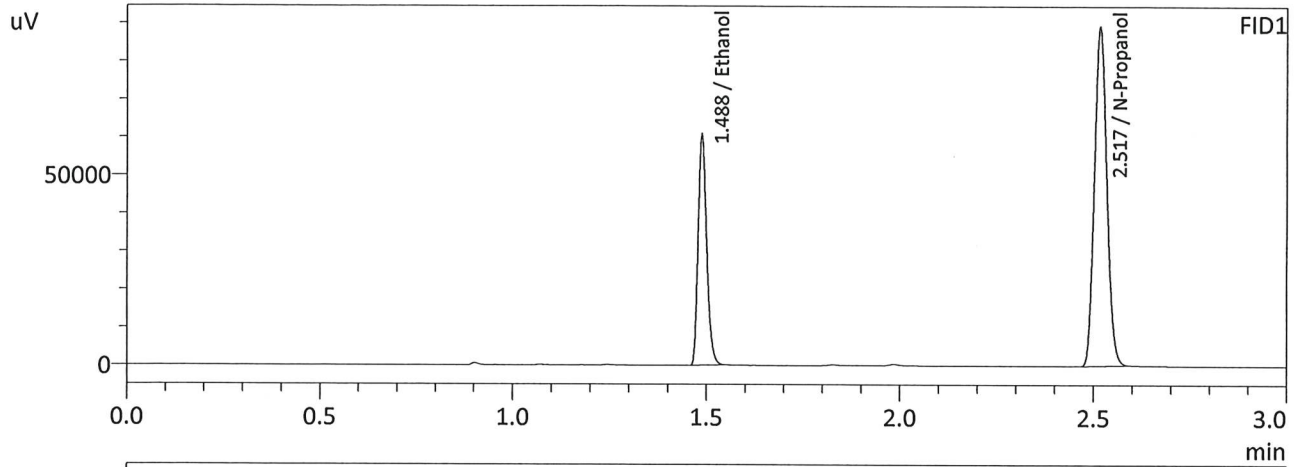
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.212	0.201	0.223	0.011

	Reported Results
	0.212

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 4/7/2023 6:30:31 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

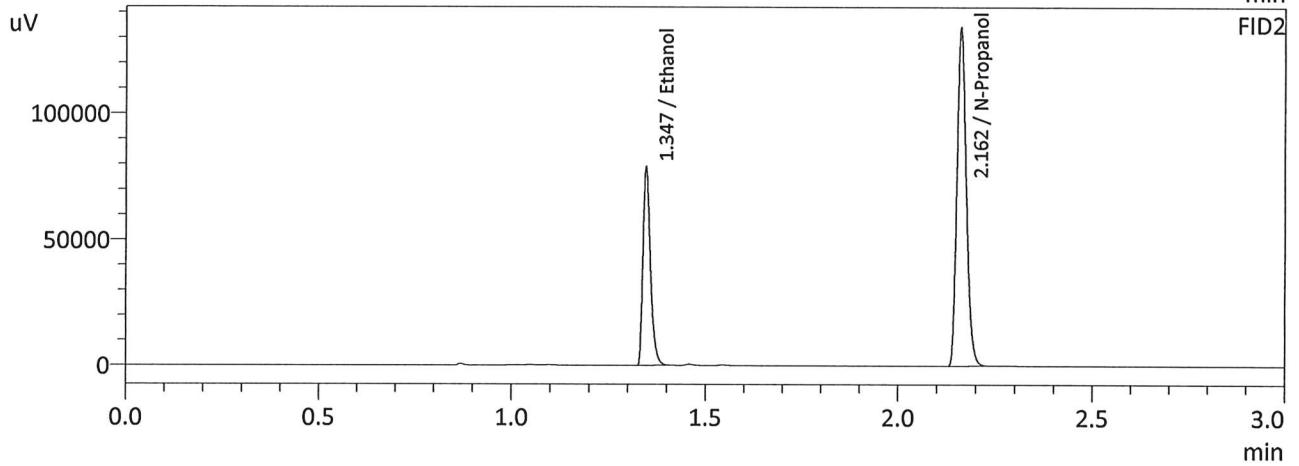
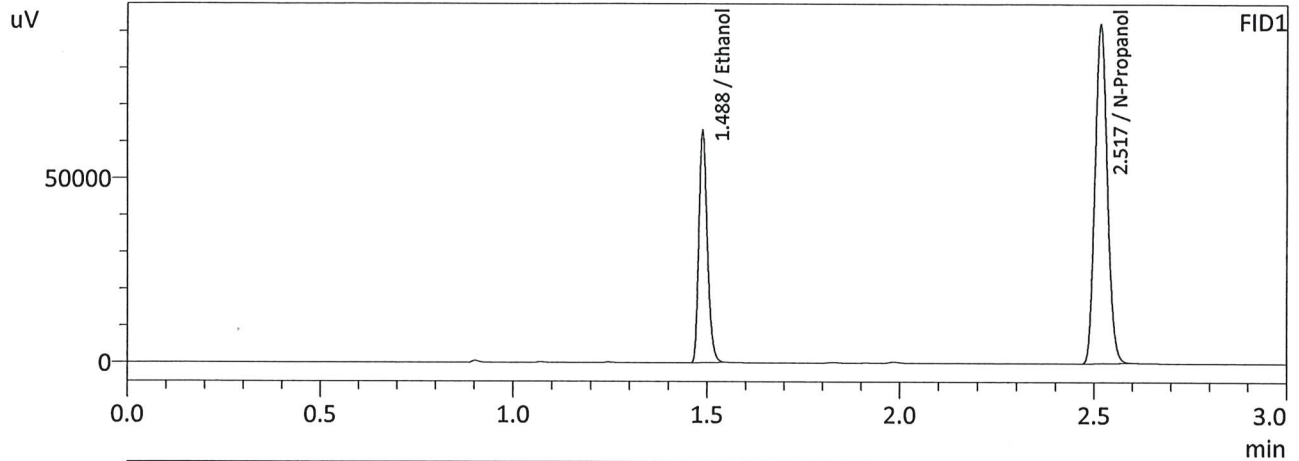
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2121	93242	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198716	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	100938	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215648	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 4/7/2023 6:38:11 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2131	96623	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205008	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2131	104667	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222581	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 4/7/2023 9:27:54 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2148	0.2149	0.0001	0.2148	0.0010	0.2153
(g/100cc)	0.2158	0.2159	0.0001	0.2158		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230407NB.gcm

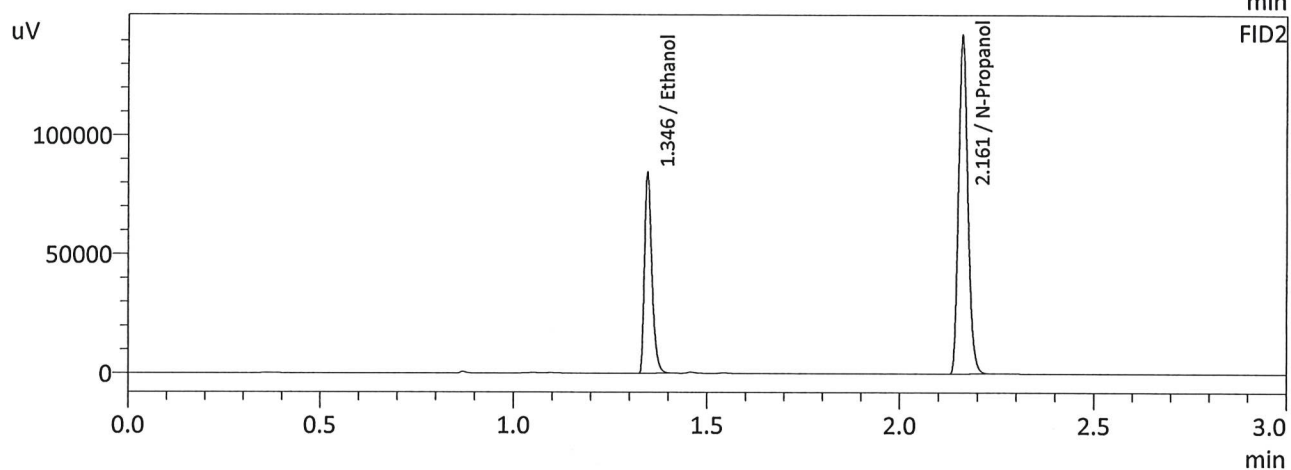
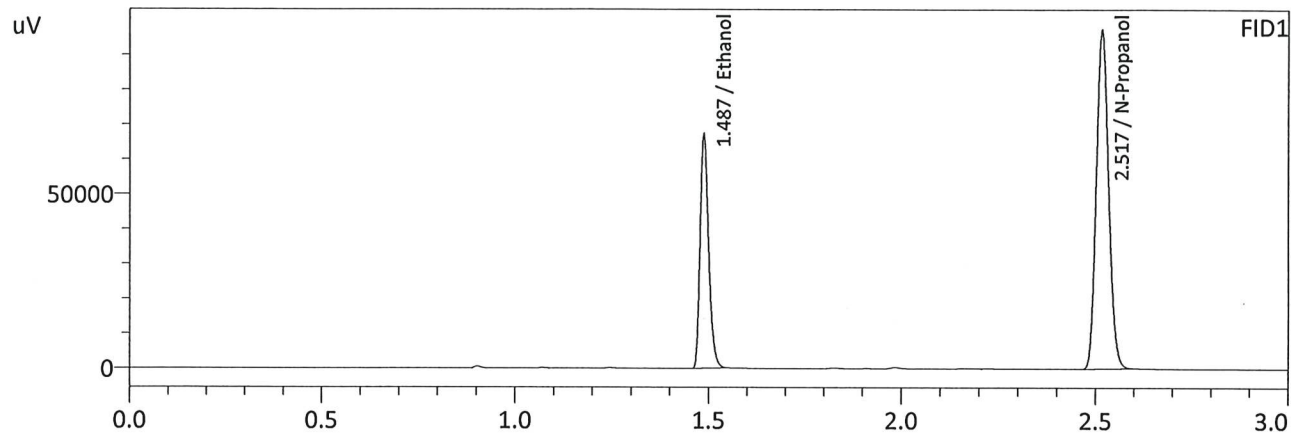
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.215	0.204	0.226	0.011

	Reported Results
	0.215

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 4/7/2023 9:27:54 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

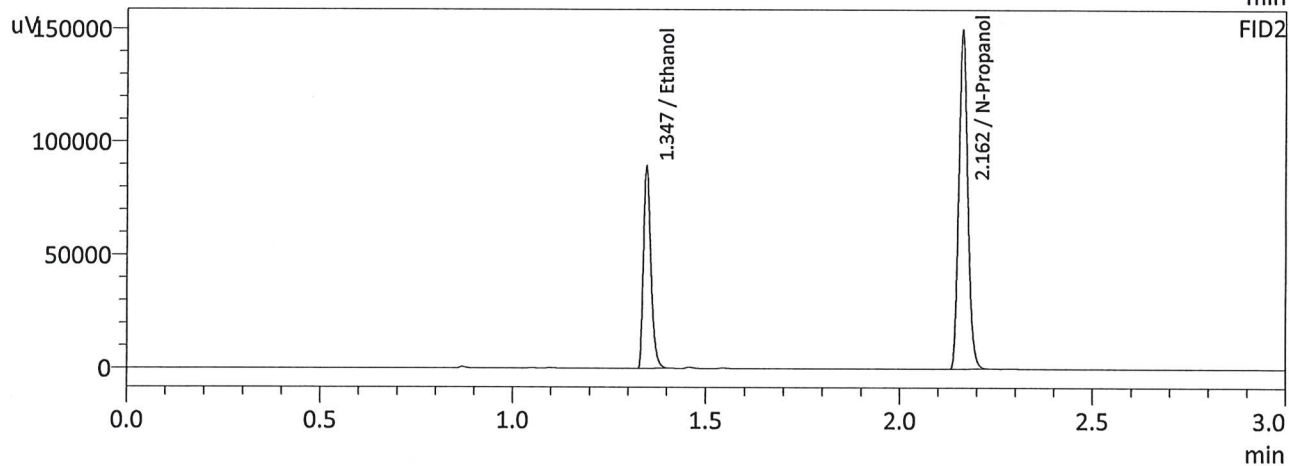
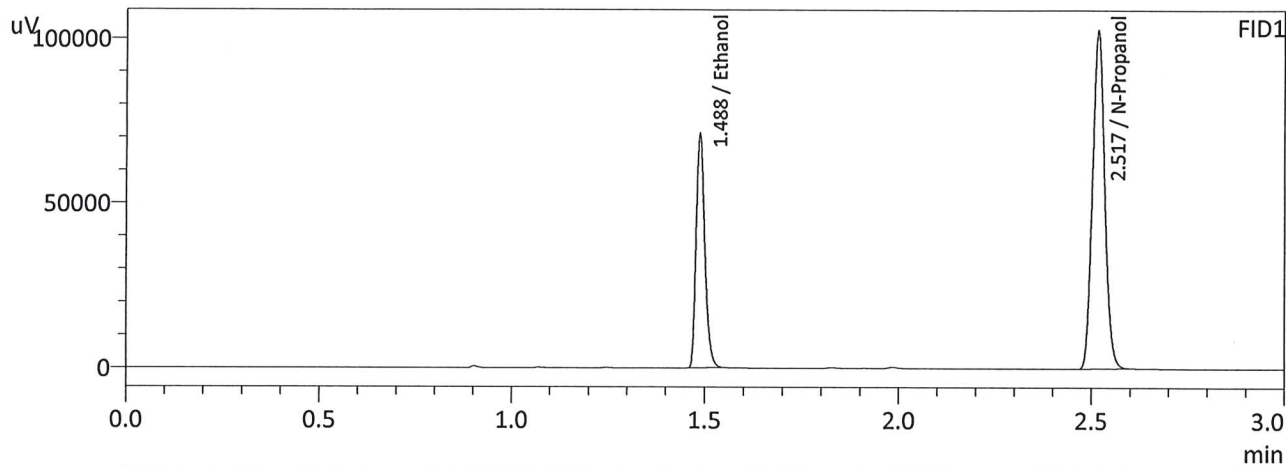
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2148	103134	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217079	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2149	111786	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235733	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 4/7/2023 9:37:14 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_230407NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

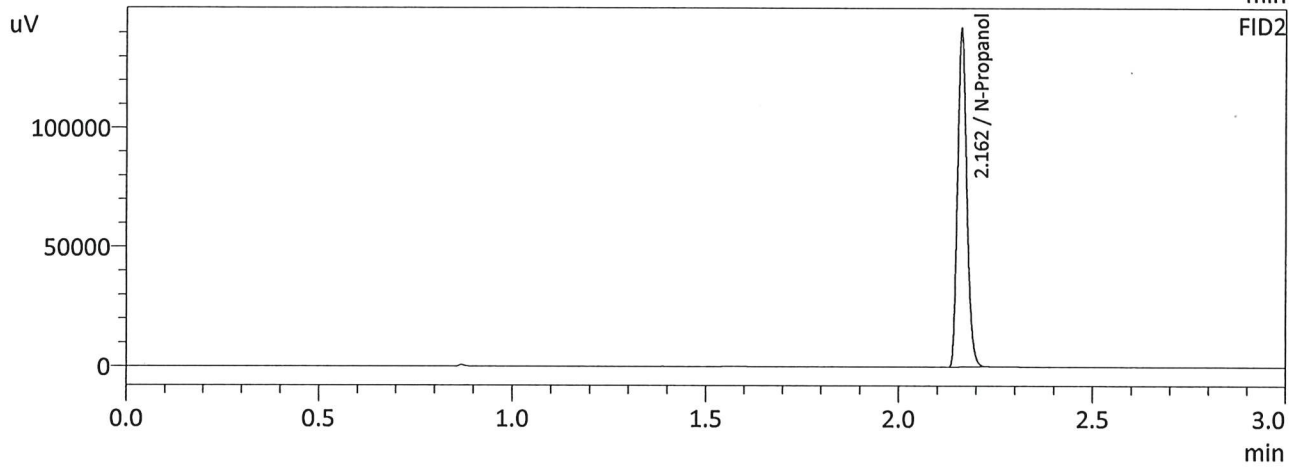
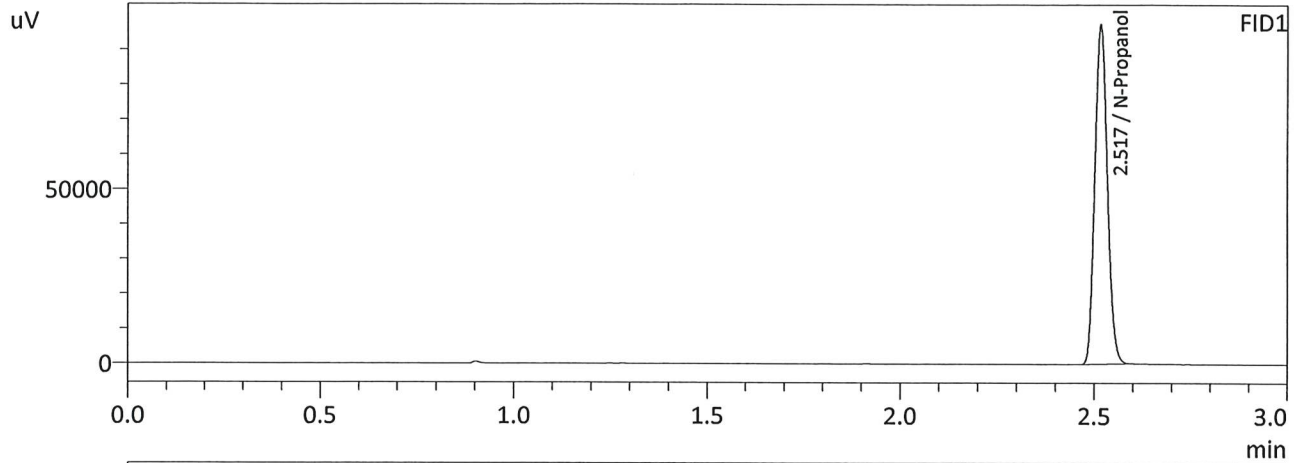
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2158	109126	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228600	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2159	118275	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	248229	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 4/7/2023 9:44:20 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_230407NB.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	216476	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	235338	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

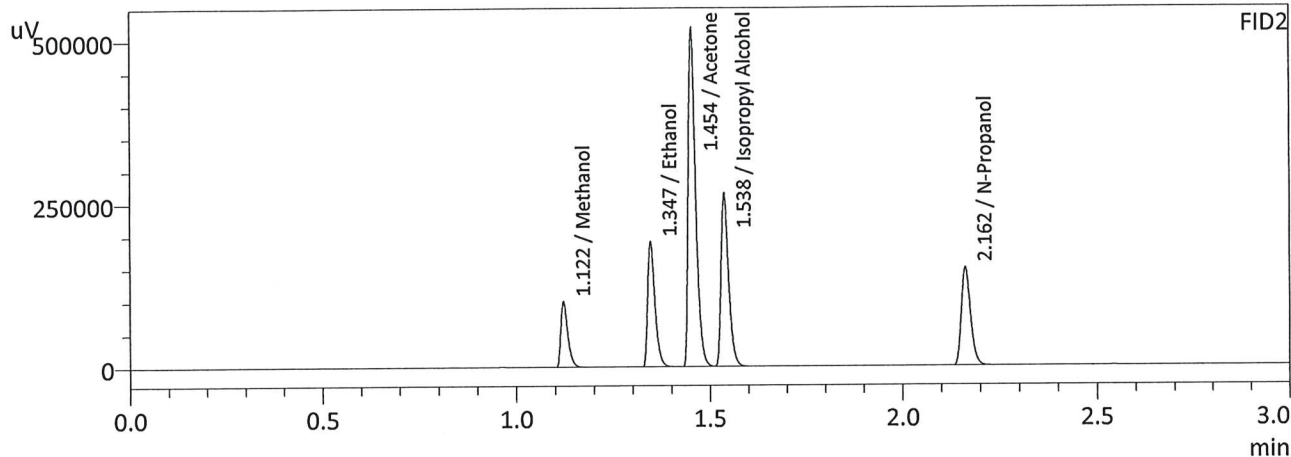
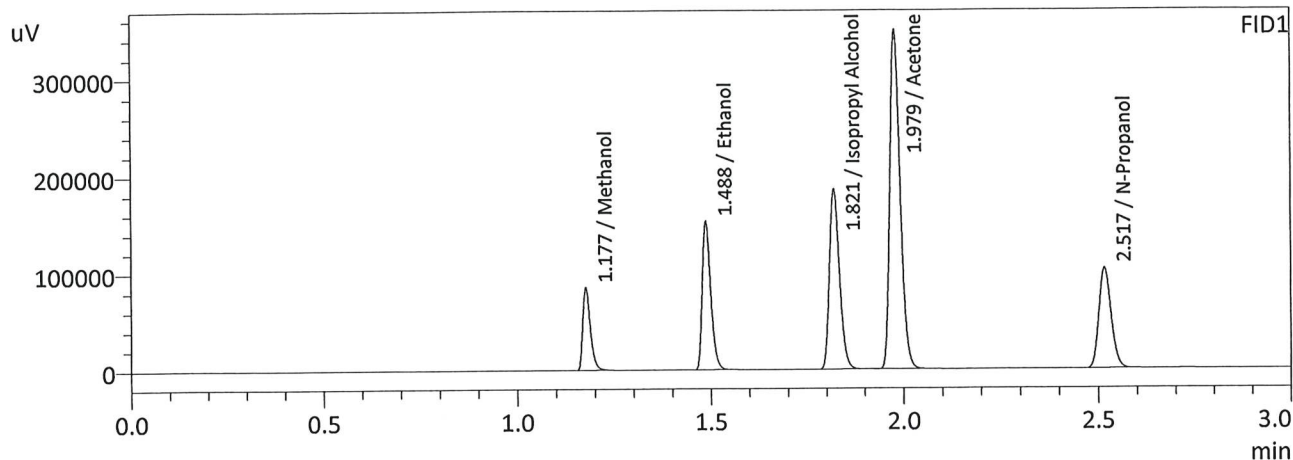
Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 230407NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230407NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230407NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230407NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230407NB.gcm
7	M2023-1239-1	0:Unknown	0	ALCOHOL 230407NB.gcm
8	M2023-1239-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
9	M2023-1240-1	0:Unknown	0	ALCOHOL 230407NB.gcm
10	M2023-1240-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
11	M2023-1245-1	0:Unknown	0	ALCOHOL 230407NB.gcm
12	M2023-1245-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
13	M2023-1249-1	0:Unknown	0	ALCOHOL 230407NB.gcm
14	M2023-1249-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
15	M2023-1291-1	0:Unknown	0	ALCOHOL 230407NB.gcm
16	M2023-1291-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
17	M2023-1292-1	0:Unknown	0	ALCOHOL 230407NB.gcm
18	M2023-1292-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
19	M2023-1295-1	0:Unknown	0	ALCOHOL 230407NB.gcm
20	M2023-1295-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
21	M2023-1296-1	0:Unknown	0	ALCOHOL 230407NB.gcm
22	M2023-1296-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
23	M2023-1316-1	0:Unknown	0	ALCOHOL 230407NB.gcm
24	M2023-1316-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230407NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
27	M2023-1320-1	0:Unknown	0	ALCOHOL 230407NB.gcm
28	M2023-1320-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
29	M2023-1331-1	0:Unknown	0	ALCOHOL 230407NB.gcm
30	M2023-1331-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
31	M2023-1367-1	0:Unknown	0	ALCOHOL 230407NB.gcm
32	M2023-1367-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
33	M2023-1369-1	0:Unknown	0	ALCOHOL 230407NB.gcm
34	M2023-1369-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
35	M2023-1370-1	0:Unknown	0	ALCOHOL 230407NB.gcm
36	M2023-1370-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
37	M2023-1395-1	0:Unknown	0	ALCOHOL 230407NB.gcm
38	M2023-1395-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
39	M2023-1414-1	0:Unknown	0	ALCOHOL 230407NB.gcm
40	M2023-1414-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
41	M2023-1416-1	0:Unknown	0	ALCOHOL 230407NB.gcm
42	M2023-1416-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
43	M2023-1420-1	0:Unknown	0	ALCOHOL 230407NB.gcm
44	M2023-1420-1-B	0:Unknown	0	ALCOHOL 230407NB.gcm
45	QC-1-2	0:Unknown	0	ALCOHOL 230407NB.gcm
46	QC-1-2-B	0:Unknown	0	ALCOHOL 230407NB.gcm
47	QC-1-2 2-2	0:Unknown	0	ALCOHOL 230407NB.gcm
48	QC-1-2-B 2-2-B	0:Unknown	0	ALCOHOL 230407NB.gcm
49	INT STD BLK	0:Unknown	0	ALCOHOL 230407NB.gcm

I double checked
vial locations
NB 4/10/23

NB

Sample Name : MIXED VOLATILE FN06041902
 Laboratory : Meridian
 Injection Date : 4/7/2023 11:10:55 AM
 Vial # : 80
 Method Filename : Default Project - ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409

Qualitative batch



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	115922	g/100cc
Ethanol	0.4463	233439	g/100cc
Isopropyl Alcohol	0.0000	341694	g/100cc
Acetone	0.0000	646267	g/100cc
N-Propanol	0.0000	230073	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

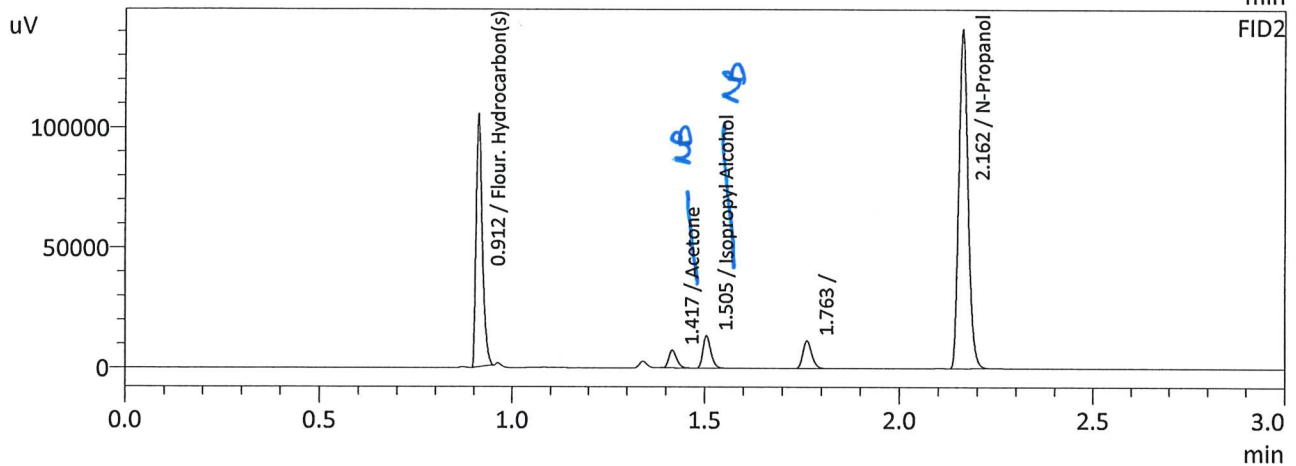
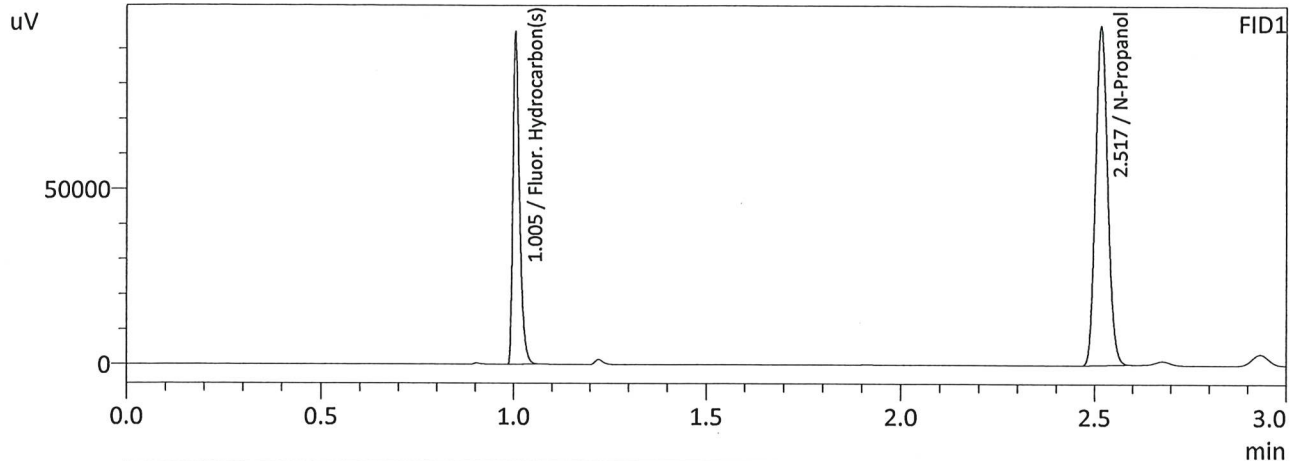
FID2

Name	Conc.	Area	Unit
Methanol	0.0000	124874	g/100cc
Ethanol	0.4478	252026	g/100cc
Acetone	0.0000	699871	g/100cc
Isopropyl Alcohol	0.0000	369396	g/100cc
N-Propanol	0.0000	247930	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : DFE 111914OM
 Laboratory : Meridian
 Injection Date : 4/7/2023 11:25:44 AM
 Vial # : 82
 Method Filename : Default Project - ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409

→ acetone and isopropylalcohol peaks not detected on FID1



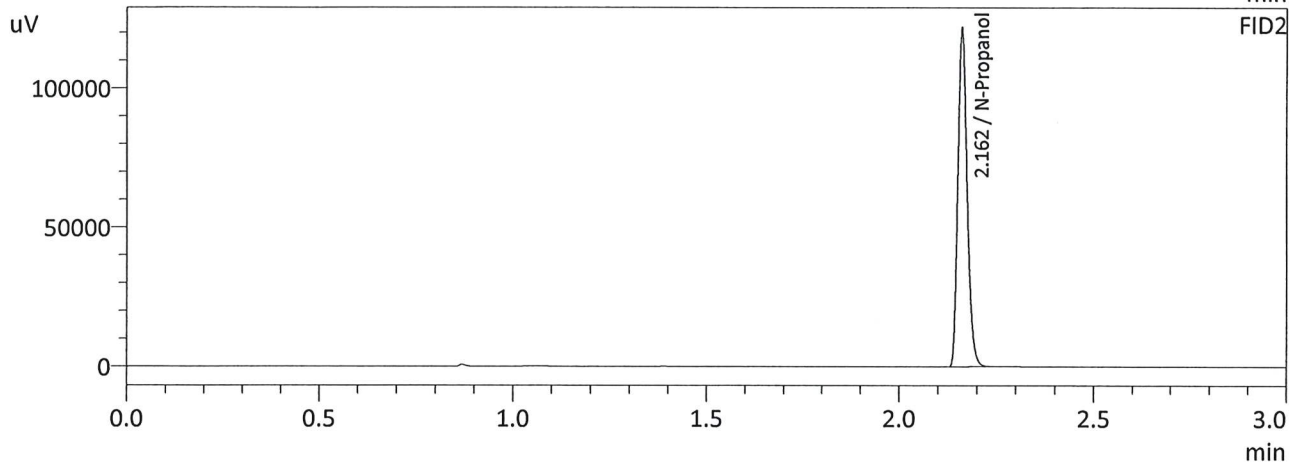
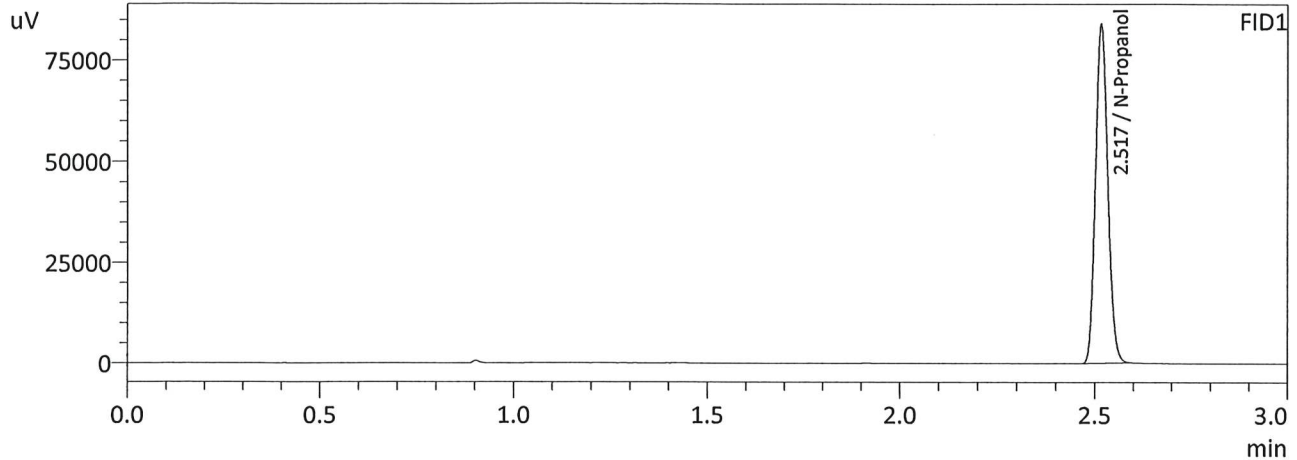
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214697	g/100cc
Flour. Hydrocarbon(s)	0.0000	112484	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	0.0000	10487	g/100cc
Isopropyl Alcohol	0.0000	18951	g/100cc
N-Propanol	0.0000	232287	g/100cc
Flour. Hydrocarbon(s)	0.0000	119075	g/100cc

Sample Name : ISTD BLK QUALITATIVE 1
 Laboratory : Meridian
 Injection Date : 4/7/2023 11:18:09 AM
 Vial # : 81
 Method Filename : Default Project - ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

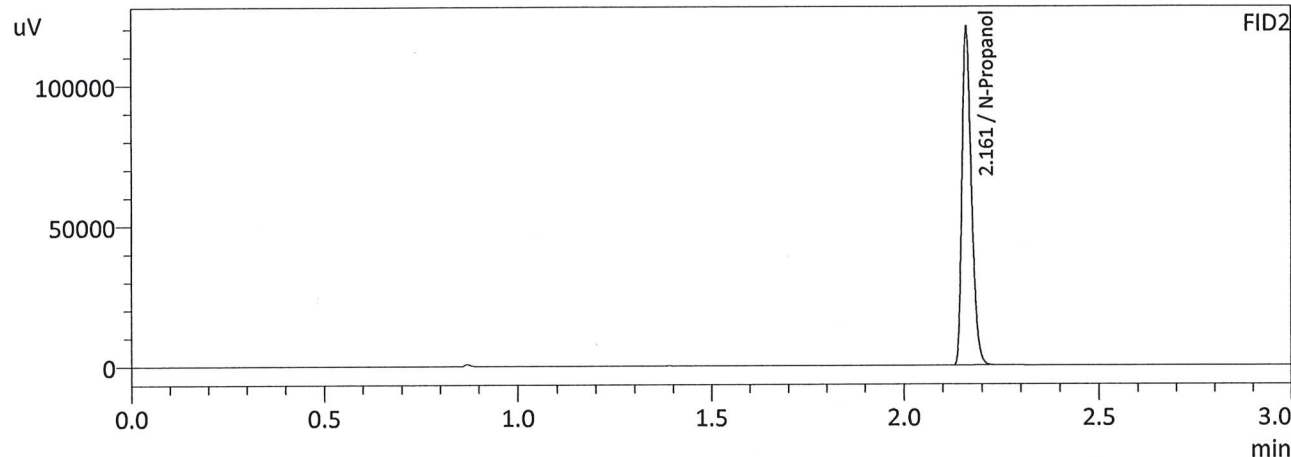
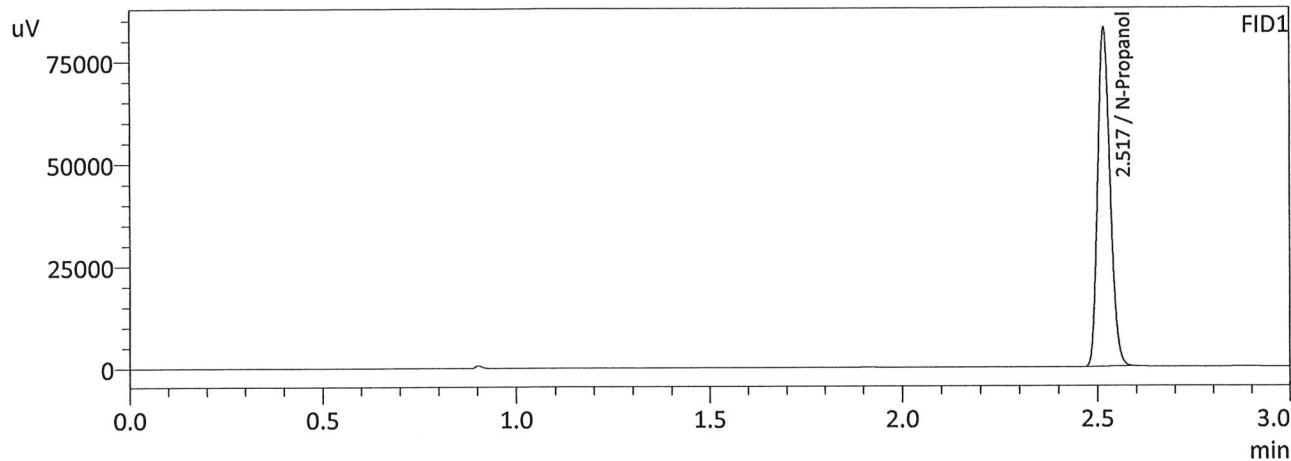
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186522	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201850	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK QUALITATIVE 2
 Laboratory : Meridian
 Injection Date : 4/7/2023 11:34:21 AM
 Vial # : 83
 Method Filename : Default Project - ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

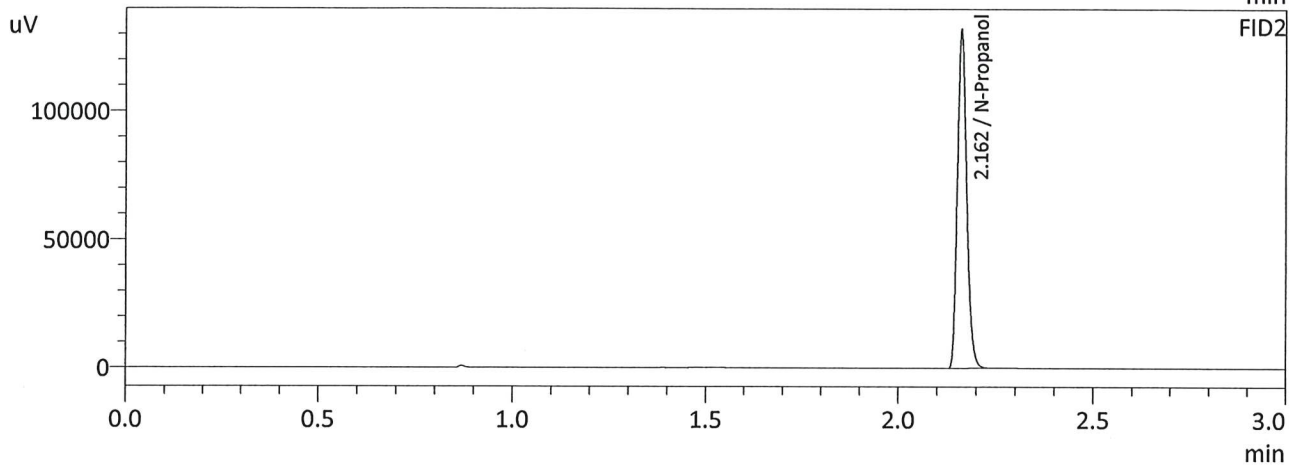
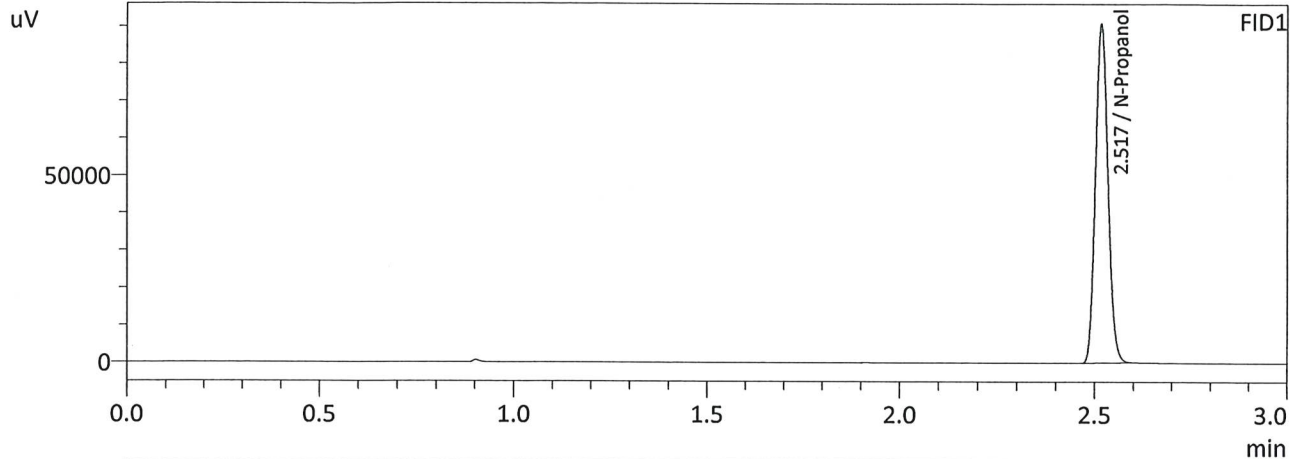
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184455	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199738	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK QUALITATIVE 3
 Laboratory : Meridian
 Injection Date : 4/7/2023 11:57:55 AM
 Vial # : 86
 Method Filename : Default Project - ALCOHOL.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	202154	g/100cc
Flour. 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	218948	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
80	XED VOLATILE FN06041	0:Unknown	0	ALCOHOL.GCM
81	STD BLK QUALITATIVE	0:Unknown	0	ALCOHOL.GCM
82	DFE 111914OM	0:Unknown	0	ALCOHOL.GCM
83	STD BLK QUALITATIVE	0:Unknown	0	ALCOHOL.GCM
84	2023-1324-1 QUALITATIV	0:Unknown	0	ALCOHOL.GCM
85	023-1324-1 QUALITATIV	0:Unknown	0	ALCOHOL.GCM
86	STD BLK QUALITATIVE	0:Unknown	0	ALCOHOL.GCM

RB