

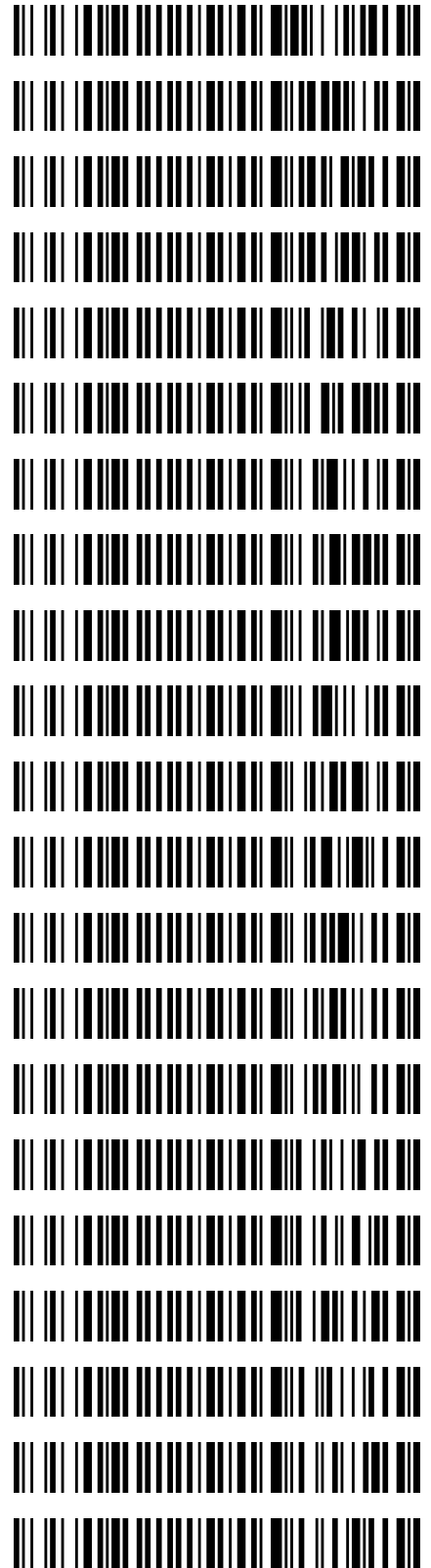
REVIEWED

By Galina Giso at 7:43 am, Dec 19, 2022

12/15/2022

Worklist: 6189

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-5060	1	BCK	Alcohol Analysis
M2022-5067	1	BCK	Alcohol Analysis
M2022-5068	1	BCK	Alcohol Analysis
M2022-5069	1	BCK	Alcohol Analysis
M2022-5081	1	BCK	Alcohol Analysis
M2022-5083	1	BCK	Alcohol Analysis
M2022-5099	1	BCK	Alcohol Analysis
M2022-5100	1	BCK	Alcohol Analysis
M2022-5101	1	BCK	Alcohol Analysis
M2022-5102	1	BCK	Alcohol Analysis
M2022-5104	1	BCK	Alcohol Analysis
M2022-5106	1	BCK	Alcohol Analysis
M2022-5107	1	BCK	Alcohol Analysis
M2022-5108	1	BCK	Alcohol Analysis
M2022-5111	1	BCK	Alcohol Analysis
M2022-5126	1	BCK	Alcohol Analysis
M2022-5127	1	BCK	Alcohol Analysis
M2022-5136	1	BCK	Alcohol Analysis
M2022-5155	1	BCK	Alcohol Analysis
M2022-5156	1	BCK	Alcohol Analysis
M2022-5157	1	BCK	Alcohol Analysis



NB

Worklist: 6189

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-5164	1	BCK	Alcohol Analysis



NB

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): 12/15/22

Calibration Date: (if different)

Worklist #: 6189

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0785 g/100cc	
					0.0836 g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2146 g/100cc	
					0.2169 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99951	Column2	0.99952

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0535	0.0535	0	0.0535
100	0.100	0.090 - 0.110	0.1015	0.1014	0.0001	0.1014
200	0.200	0.180 - 0.220	0.1947	0.1946	0.0001	0.1946
300	0.300	0.270 - 0.330	0.2969	0.2972	0.0003	0.297
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5033	0.5031	0.0002	0.5032

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

Internal Standard Monitoring Worksheet

Worklist #: 6189 **Run Date(s):** 12/15/22

Internal Standard Solution:	Prep Date: 12/8/2022	Exp Date: 6/8/2023
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Sample Name	Column 1 Value	Column 2 Value
0.080	197183	214623
0.080	197952	215545
QC1	197257	214598
QC1	203885	221879
QC1	241446	263408
QC1	240913	262820
QC1		
QC1		
QC2	222483	242164
QC2	225032	245310
QC2	243706	265632
QC2	250533	273138
QC2		
QC2		

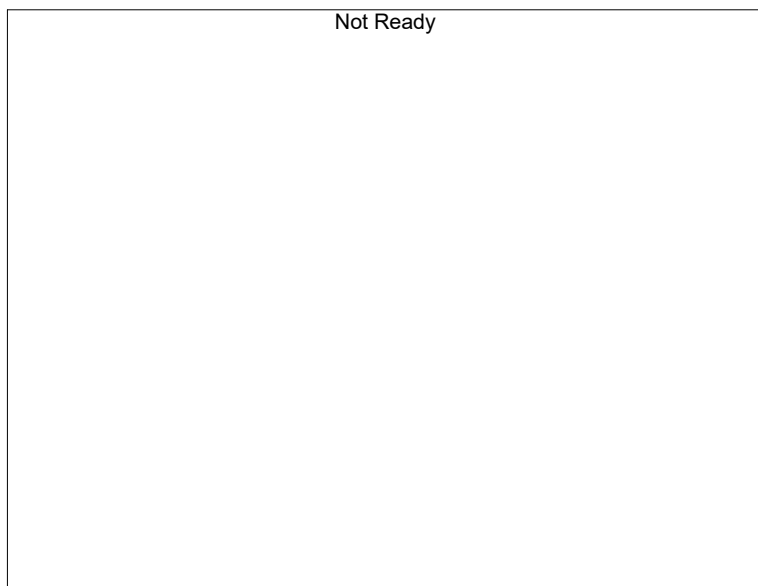
	Average	(-)20%	(+)20%
Column 1	222039.0	177631.2	266446.8
Column 2	241911.7	193529.4	290294.0

NB

Calibration Table

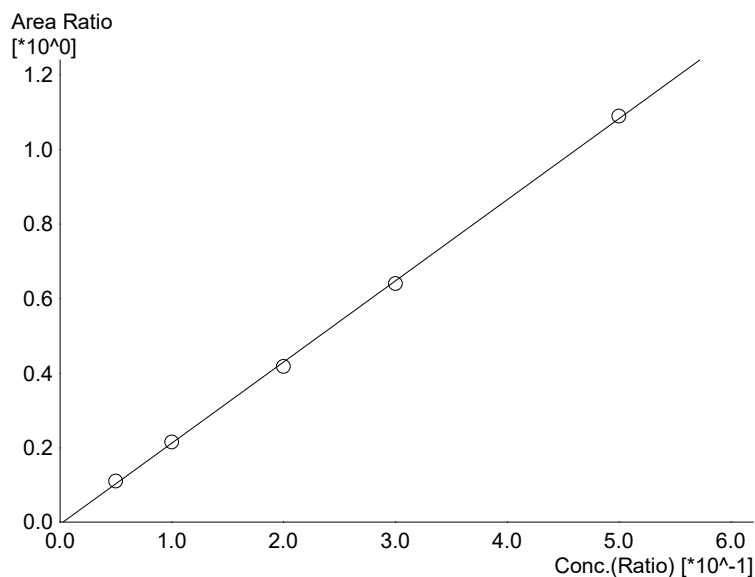
Laboratory : MERIDIAN
 Instrument Name : GC-HS
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File : C:\LabSolutions\Data\221215\CALIBRATIONALCOHOL.GCM
 Date Created : 3/31/2021 4:25:07 PM
 Date Modified : 12/15/2022 1:07:31 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 : $f(x)=2.17606*x-0.00567682$
 R² value= 0.9995054
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	24217	0.0535
2	0.100	45035	0.1015
3	0.200	82099	0.1947
4	0.300	127544	0.2969
5	0.500	226598	0.5033

NB



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

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



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

#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

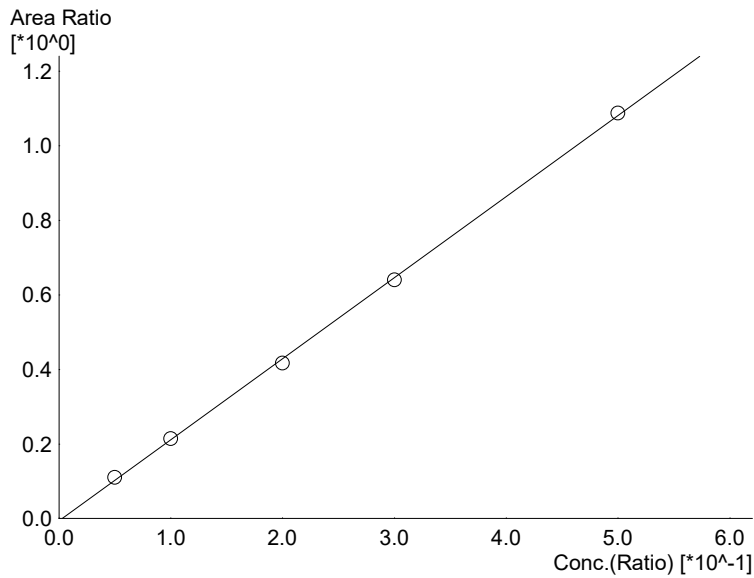
#	Conc.	Area	Std. Conc.
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NB



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

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



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.17437*x-0.00631035$
 R² value= 0.9995181
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	26229	0.0535
2	0.100	48759	0.1014
3	0.200	88958	0.1946
4	0.300	138339	0.2972
5	0.500	245698	0.5031



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

#	Conc.	Area	Std. Conc.
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NB



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

#	Conc.	Area	Std. Conc.
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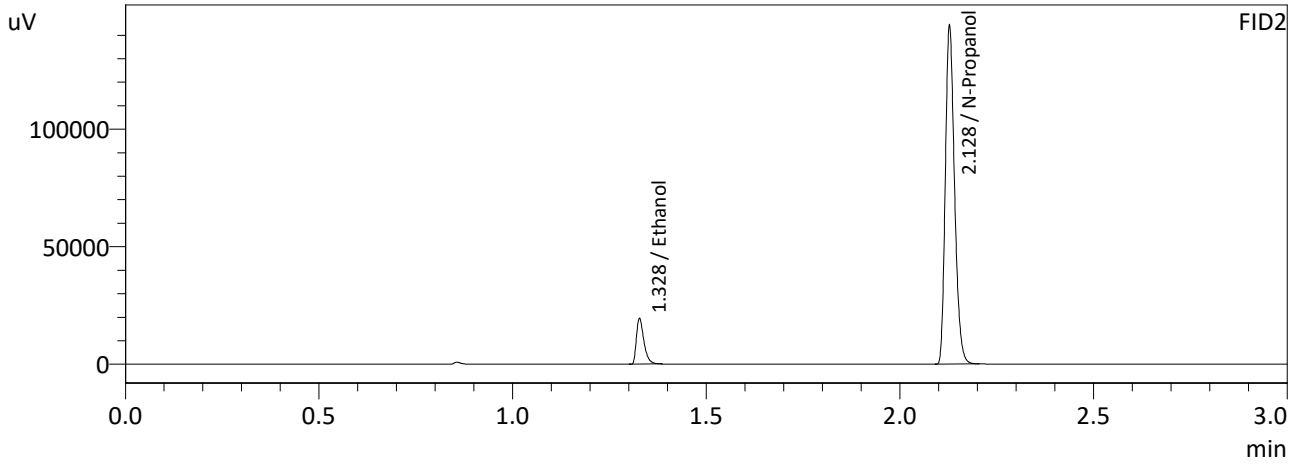
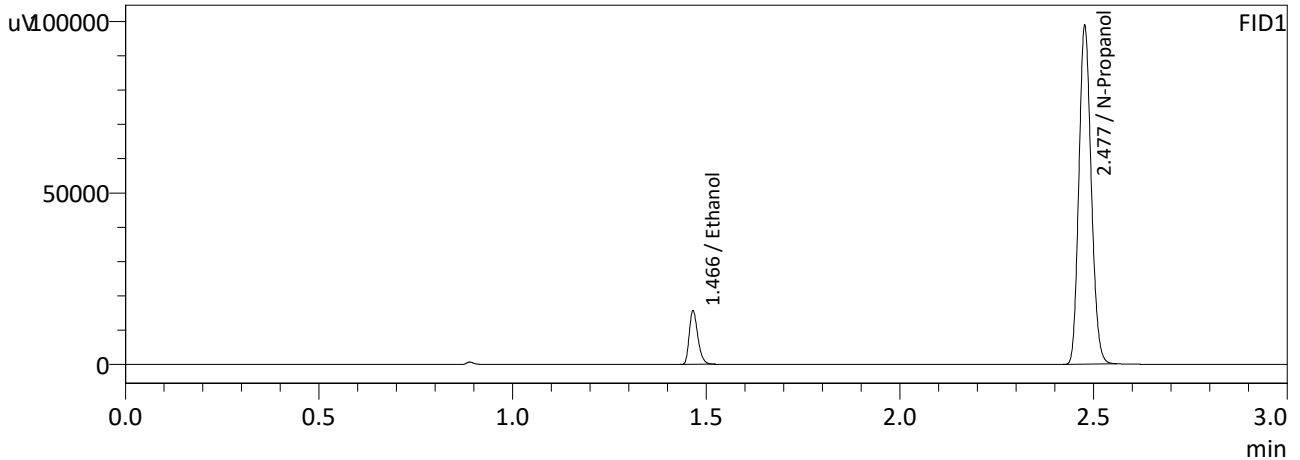


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:10:43 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

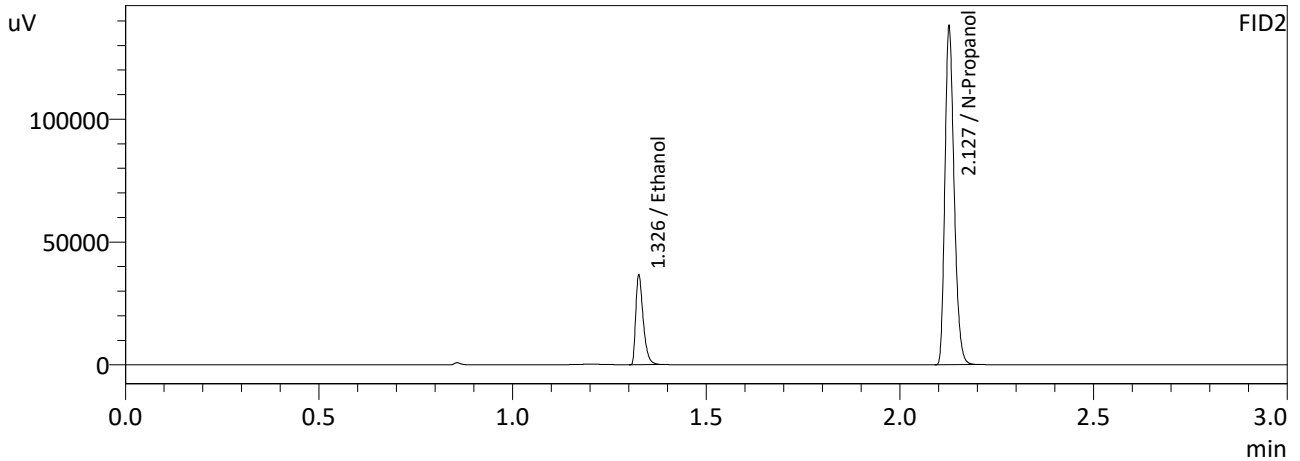
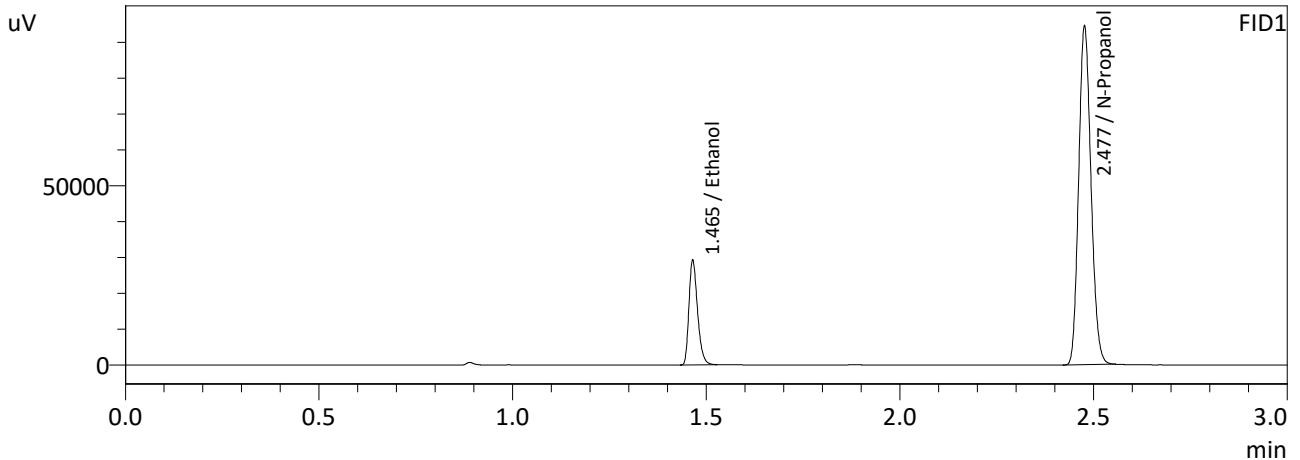
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0535	24217	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218673	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0535	26229	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	238140	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:18:03 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



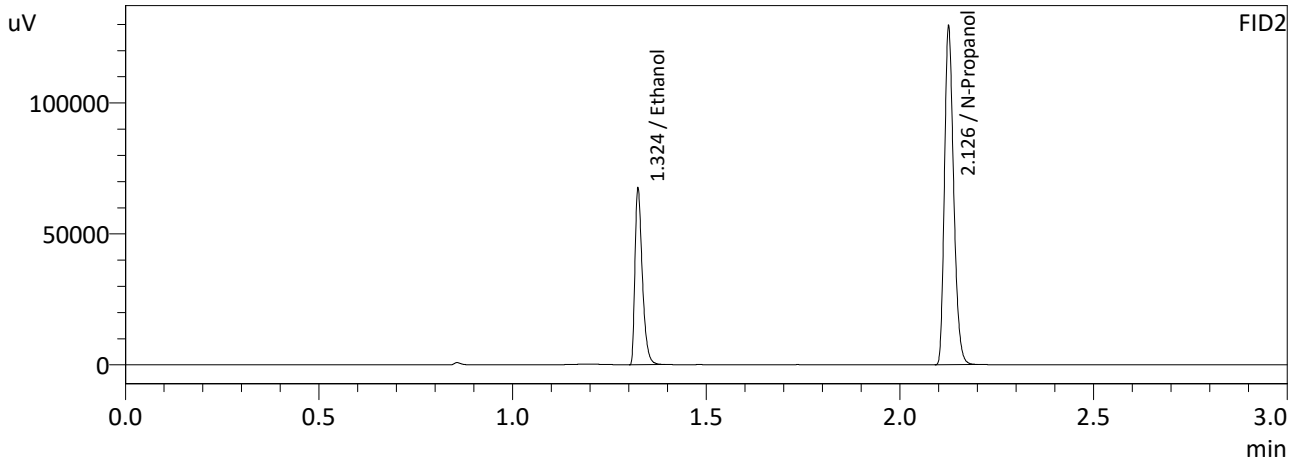
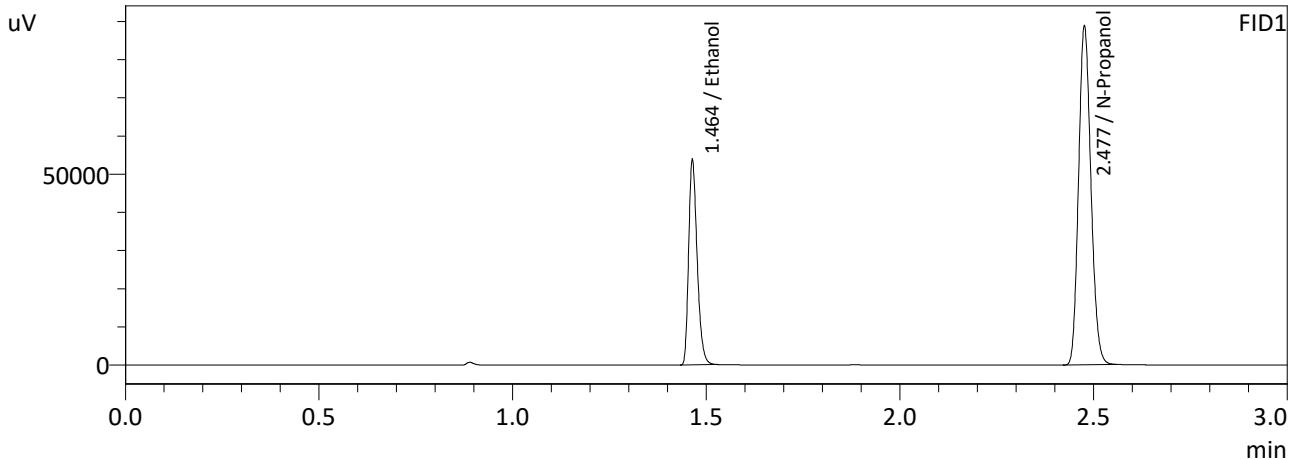
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1015	45035	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209106	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1014	48759	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227575	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:25:23 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

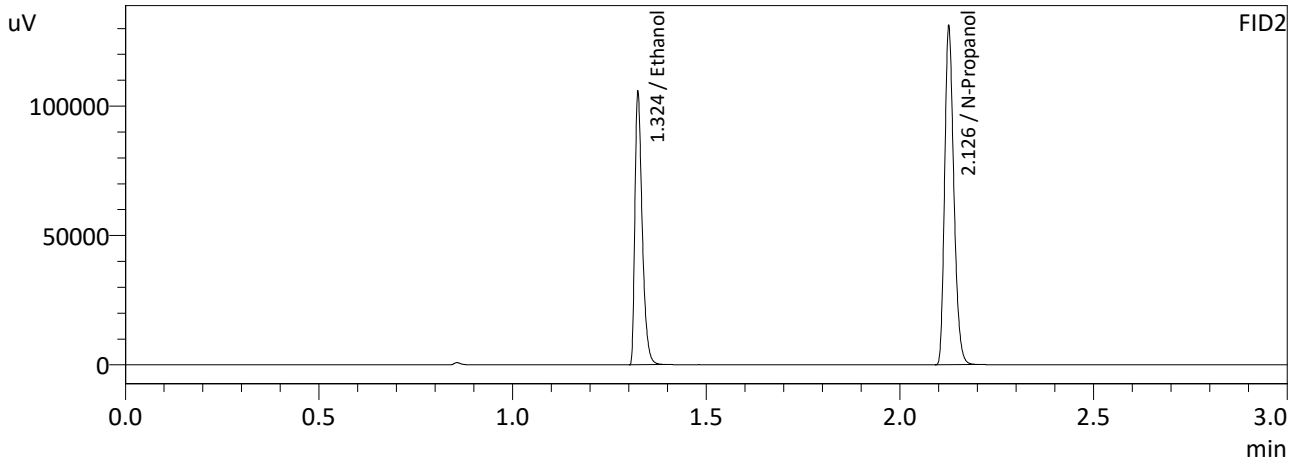
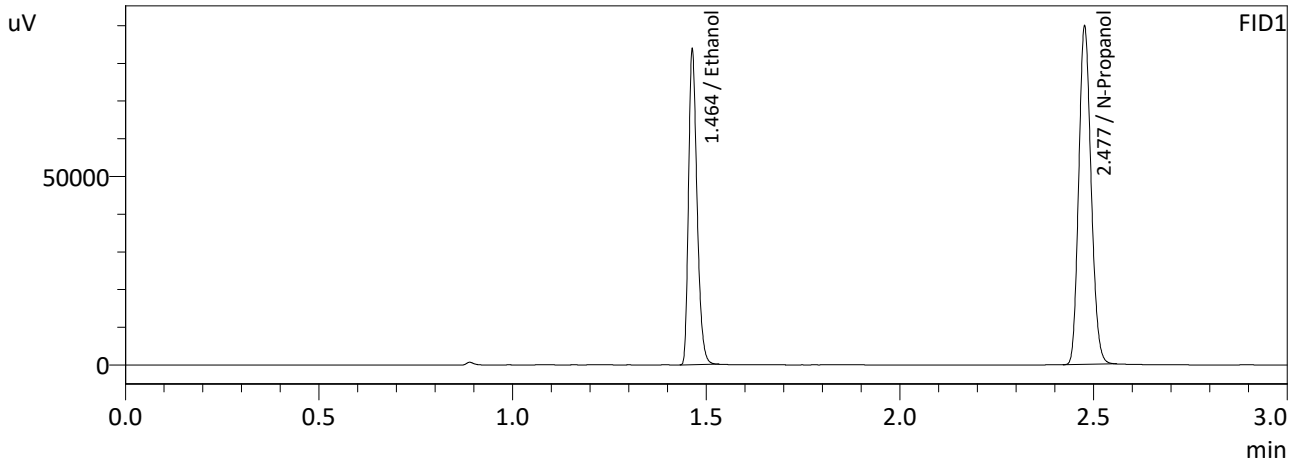
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1947	82099	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196406	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1946	88958	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213419	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:34:20 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

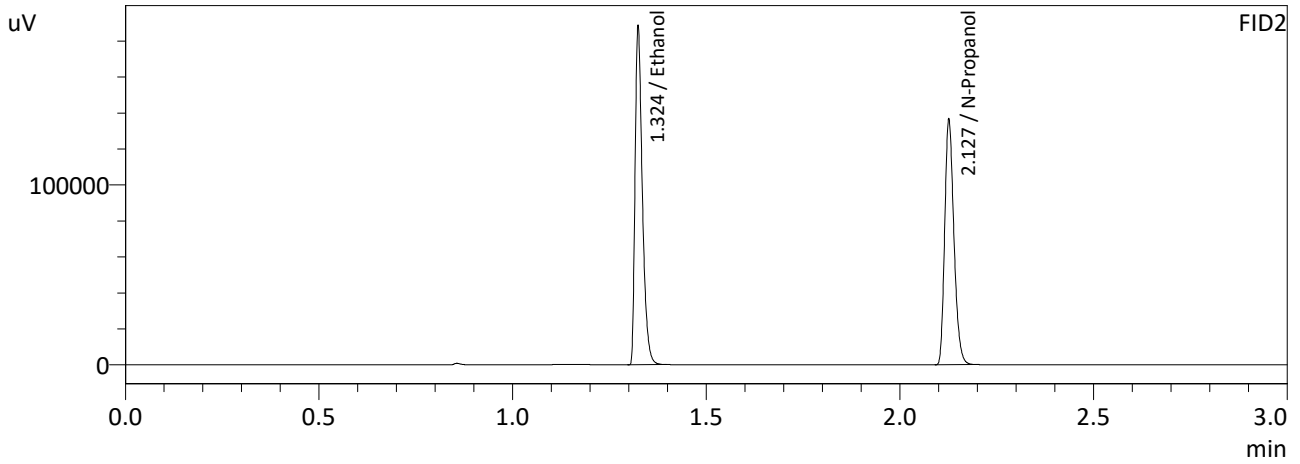
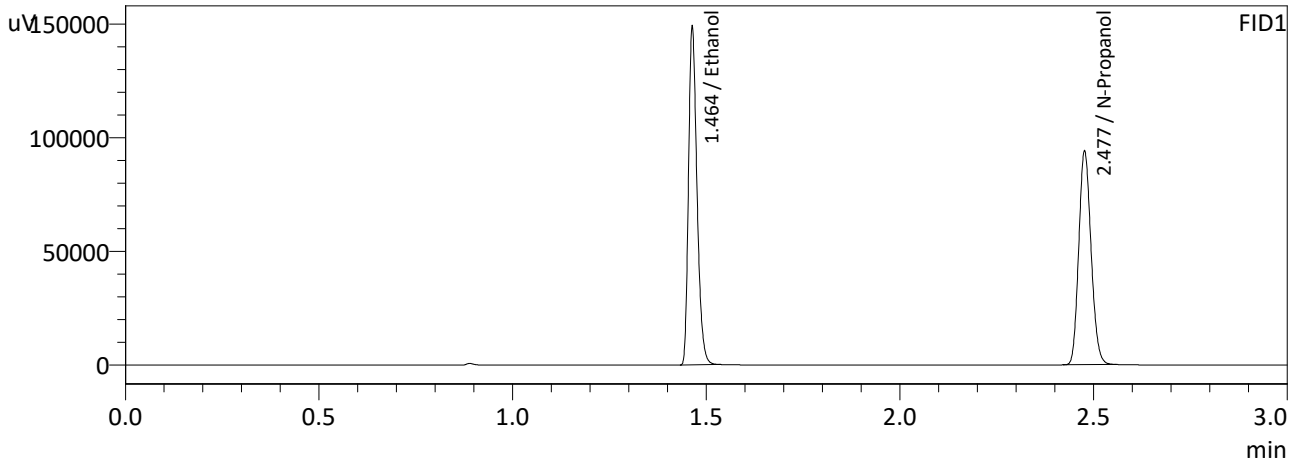
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2969	127544	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199160	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2972	138339	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216167	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:41:42 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

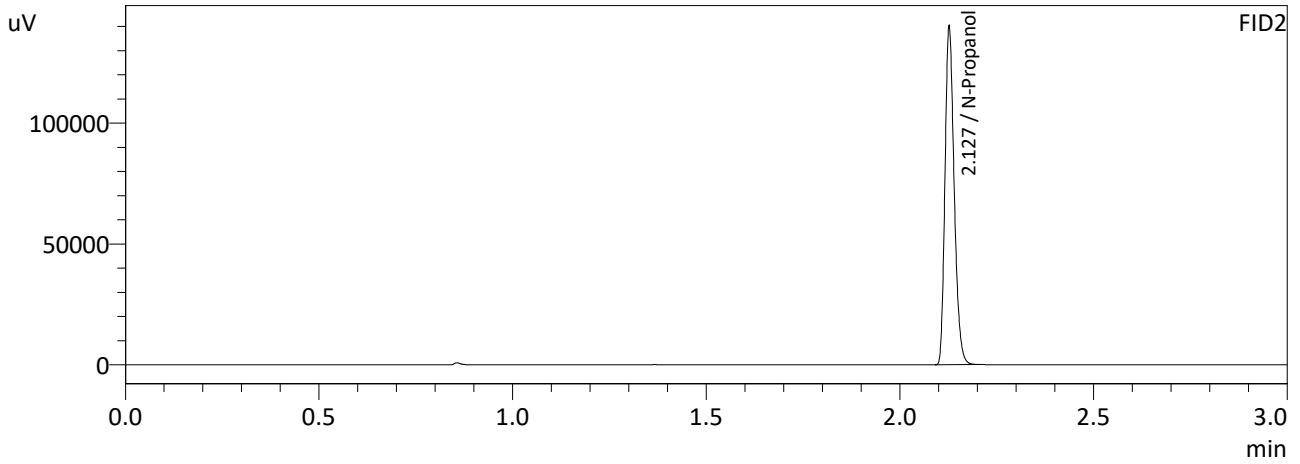
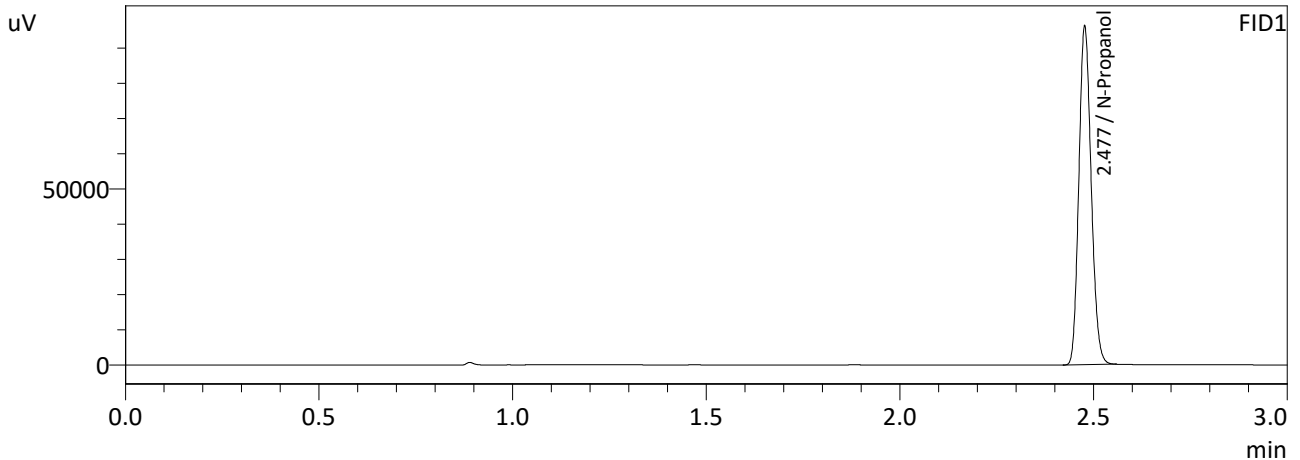
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5033	226598	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207974	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5031	245698	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225867	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 12/15/2022 12:50:23 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\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	212589	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	231422	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

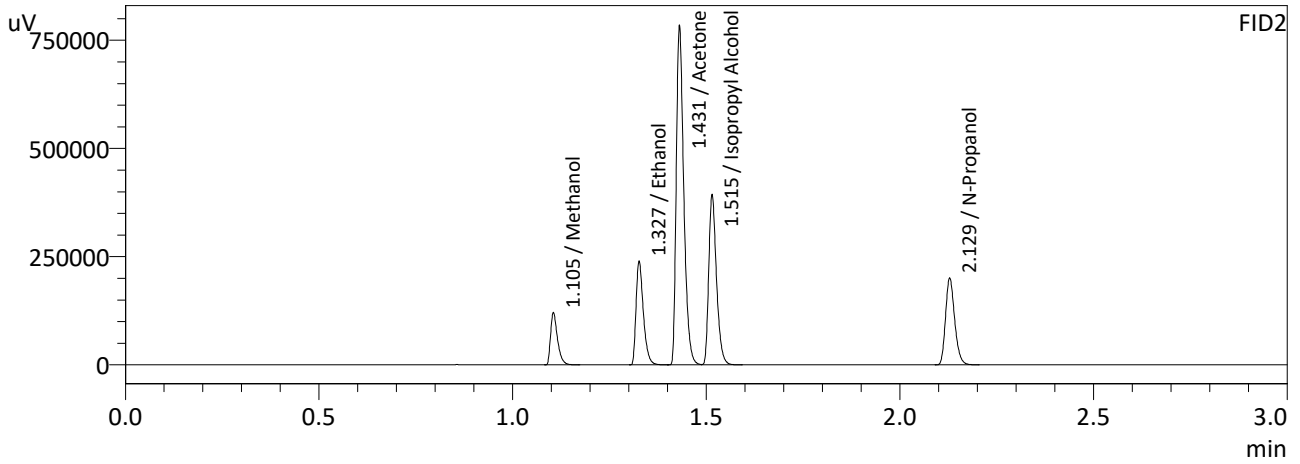
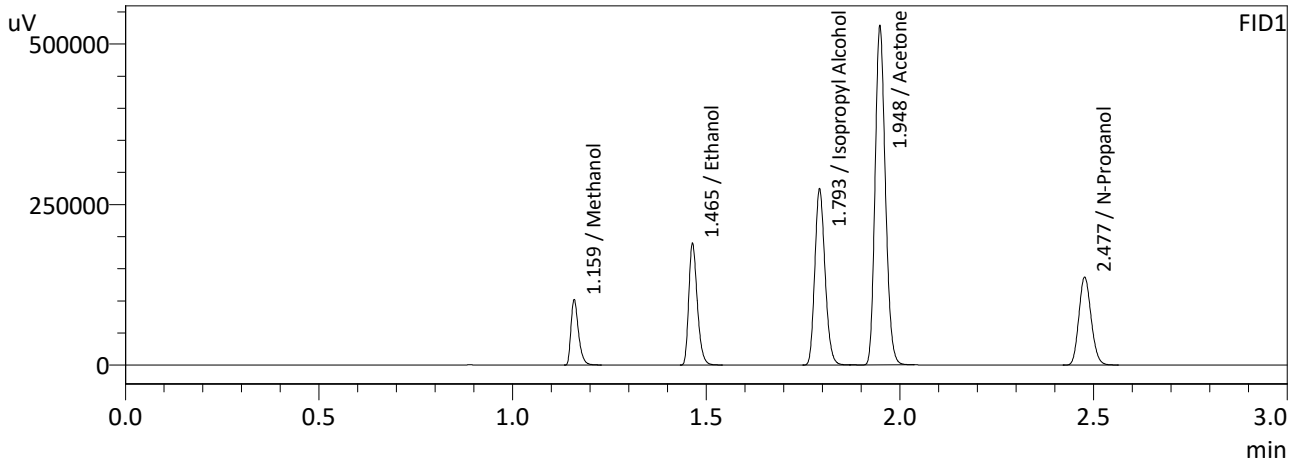
NB

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99
Copyright (C) 2008-2020 Shimadzu Corporation

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

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 12/15/2022 2:43:07 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

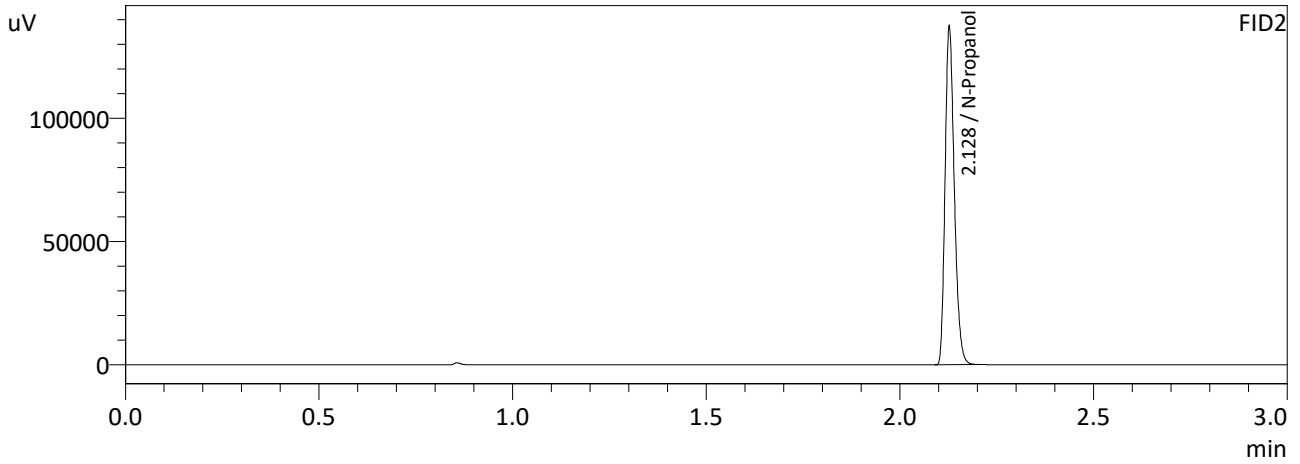
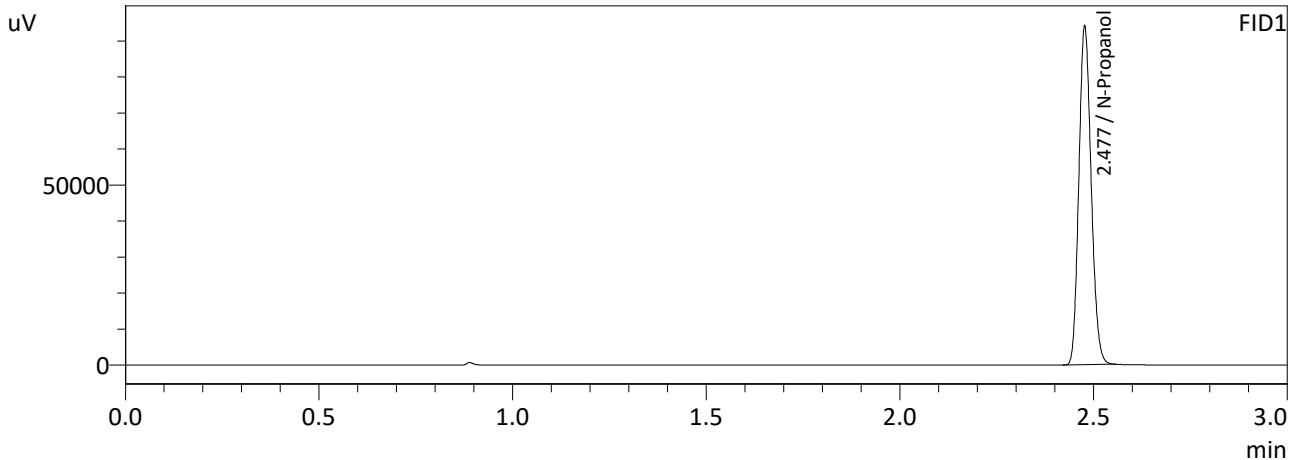
Name	Conc.	Area	Unit
Methanol	0.0000	137611	g/100cc
Ethanol	0.4431	289873	g/100cc
Isopropyl Alcohol	0.0000	503413	g/100cc
Acetone	0.0000	974433	g/100cc
N-Propanol	0.0000	302363	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	150014	g/100cc
Ethanol	0.4434	314595	g/100cc
Acetone	0.0000	1054217	g/100cc
Isopropyl Alcohol	0.0000	545605	g/100cc
N-Propanol	0.0000	328389	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK 1
 Laboratory : Meridian
 Injection Date : 12/15/2022 2:35:46 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

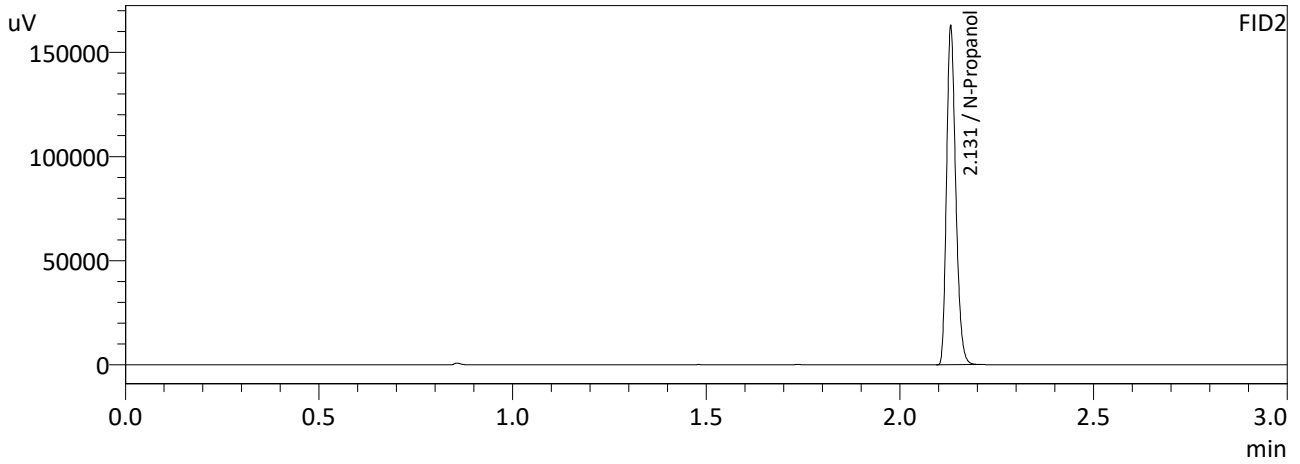
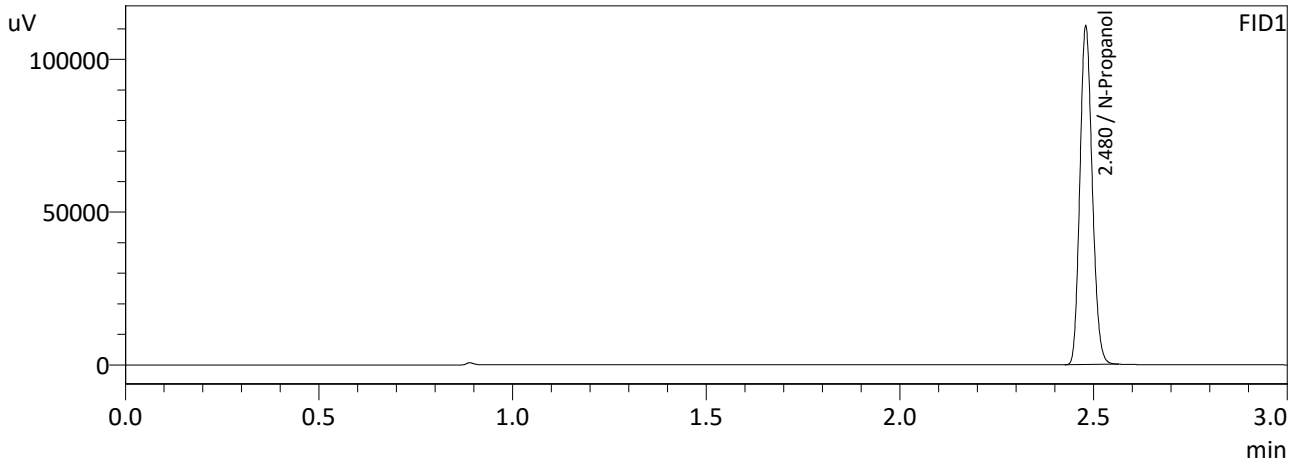
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208081	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226819	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 12/15/2022 10:13:27 PM
 Vial # : 57
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\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	245671	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	268082	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08

Item #

Analysis Date(s): 12/15/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0777	0.0774	0.0003	0.0775	0.0025	0.0788
(g/100cc)	0.0802	0.0799	0.0003	0.0800		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results**Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result	
0.078	

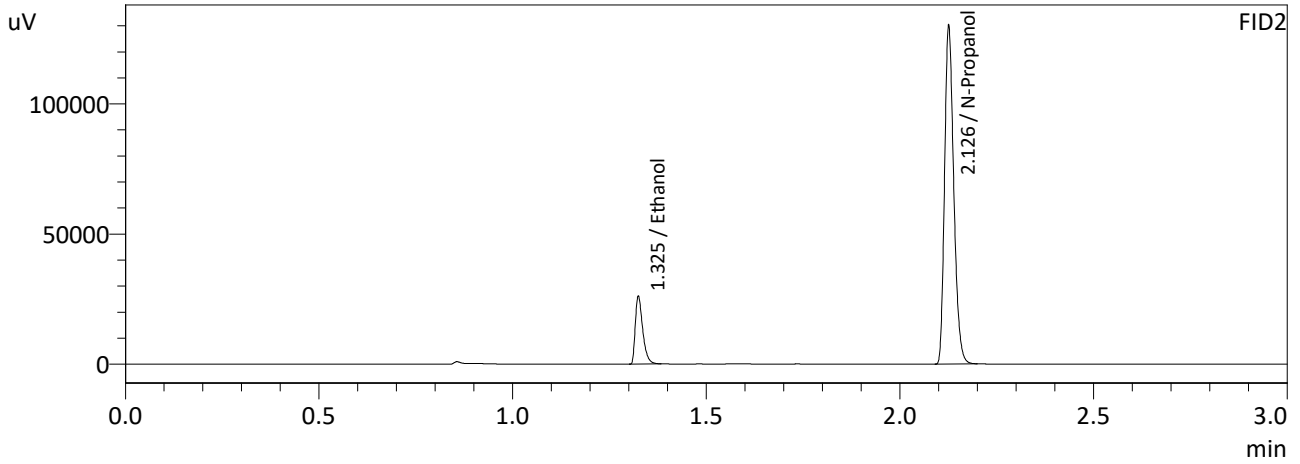
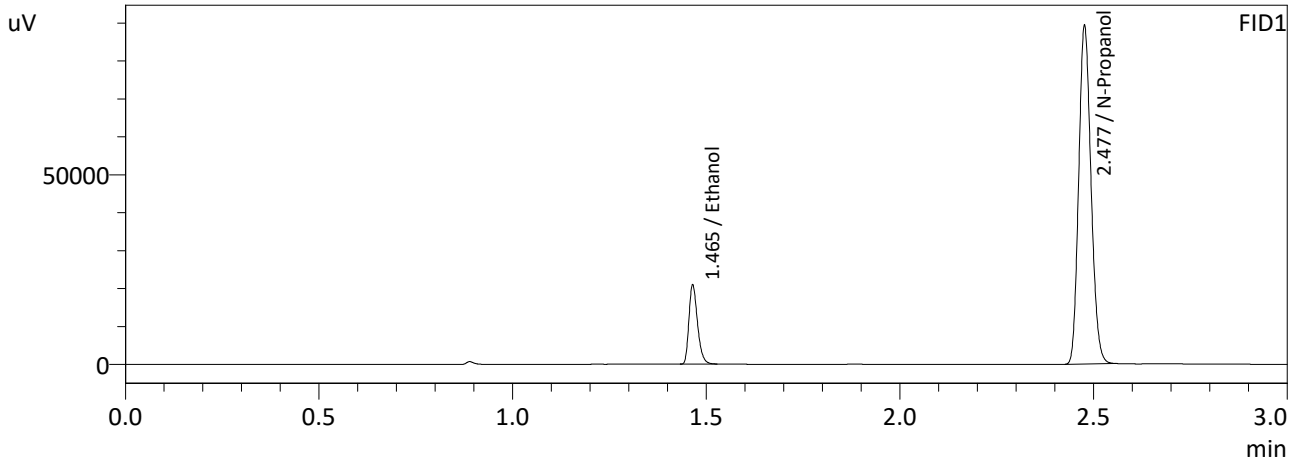
Calibration and control data are stored centrally.

NB

Revision: 1

Issue Date: 12/29/2021

Sample Name : 0.08 QA-A
 Laboratory : Meridian
 Injection Date : 12/15/2022 3:06:46 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

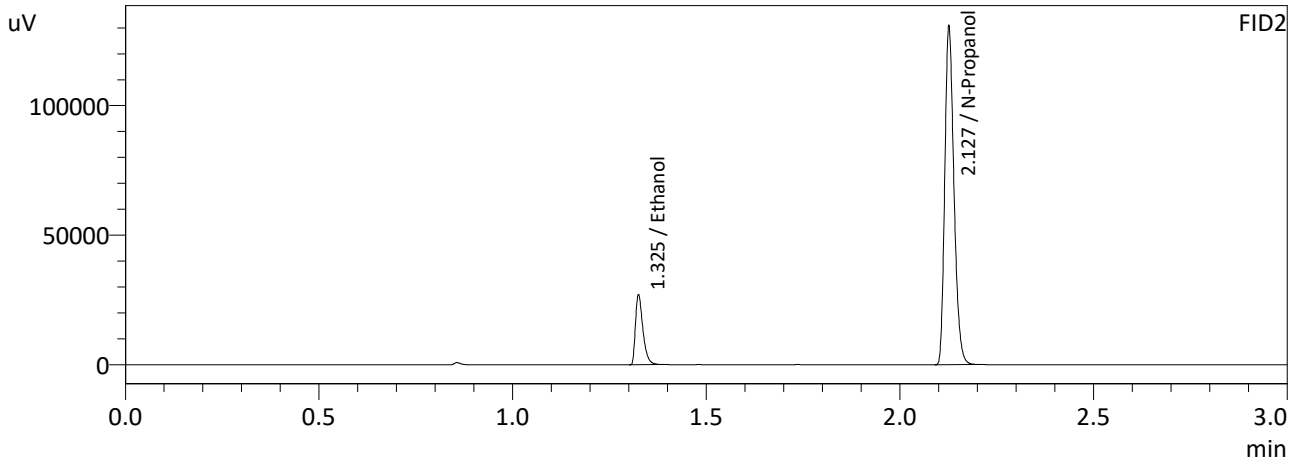
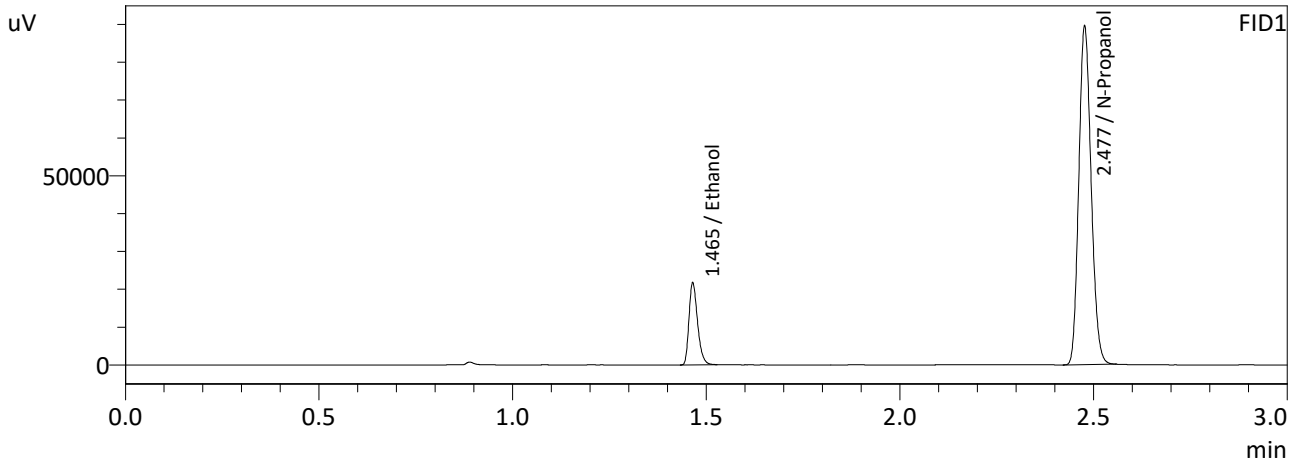
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	32222	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197183	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0774	34773	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214623	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 12/15/2022 3:15:42 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0802	33440	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197952	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0799	36105	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215545	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1

Item #

Analysis Date(s): 12/15/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0782	0.0781	0.0001	0.0781	0.0008	0.0785
(g/100cc)	0.0790	0.0789	0.0001	0.0789		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

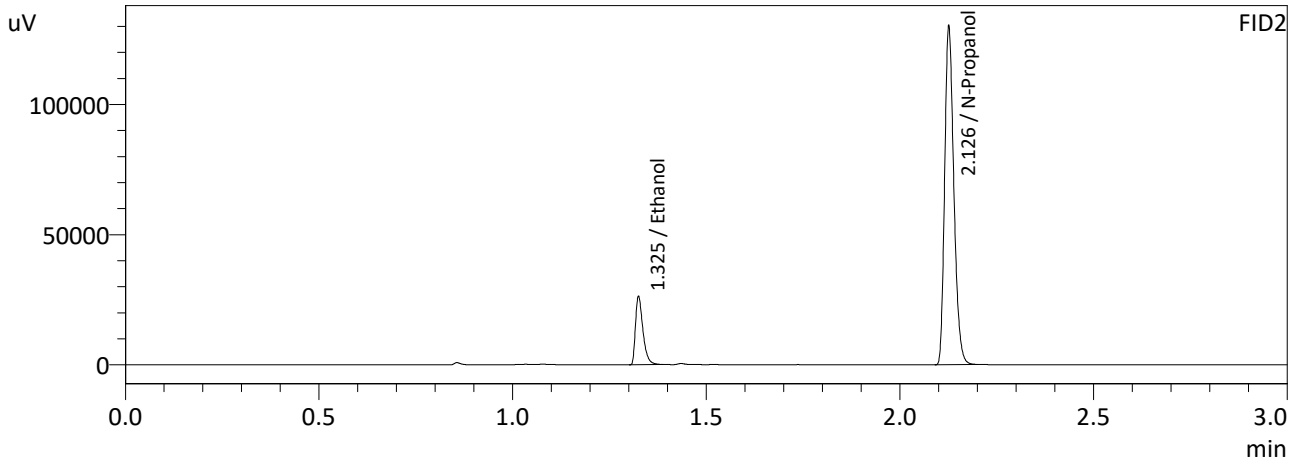
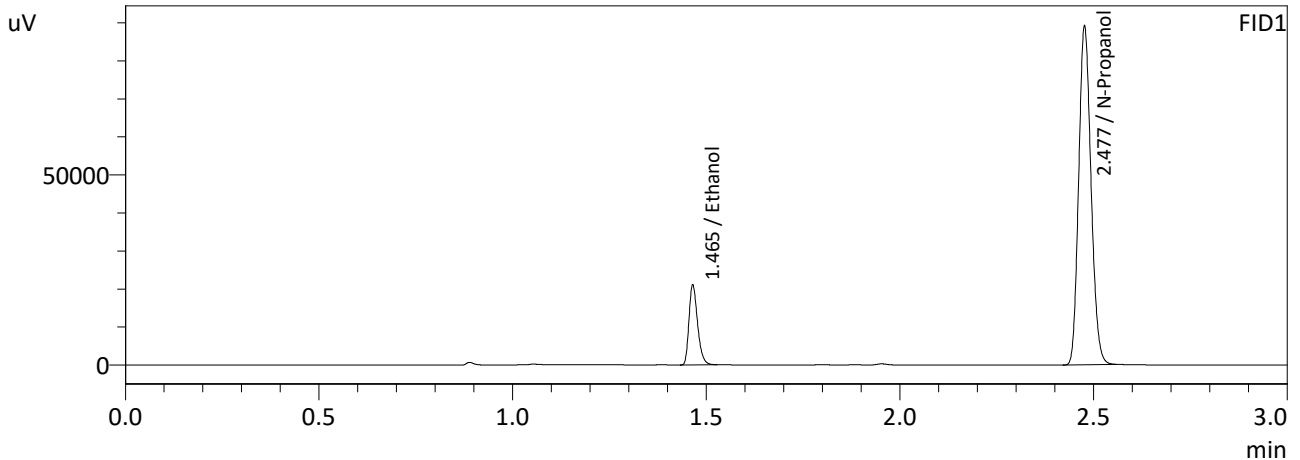
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1-A
 Laboratory : Meridian
 Injection Date : 12/15/2022 2:50:43 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

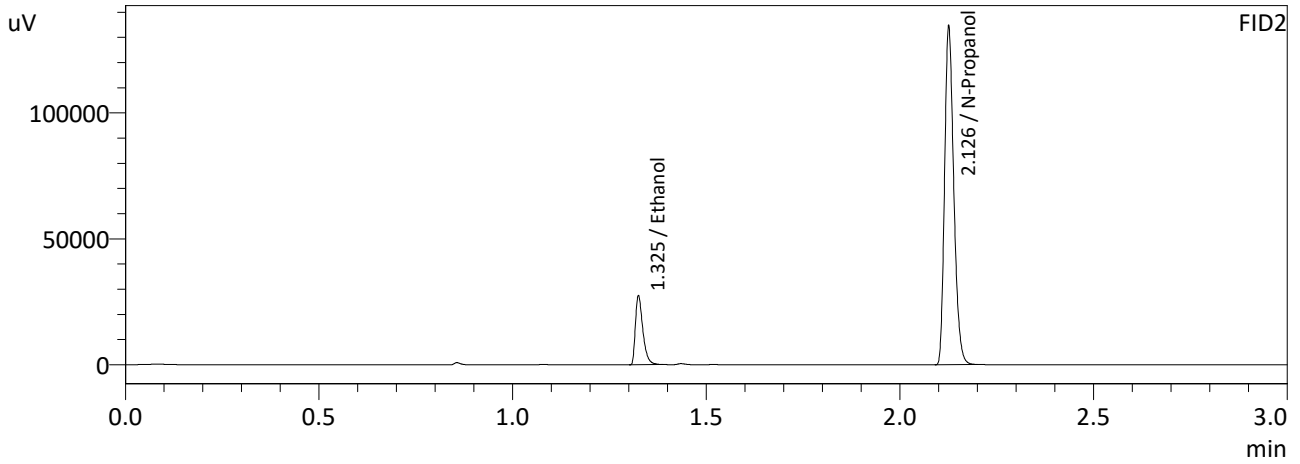
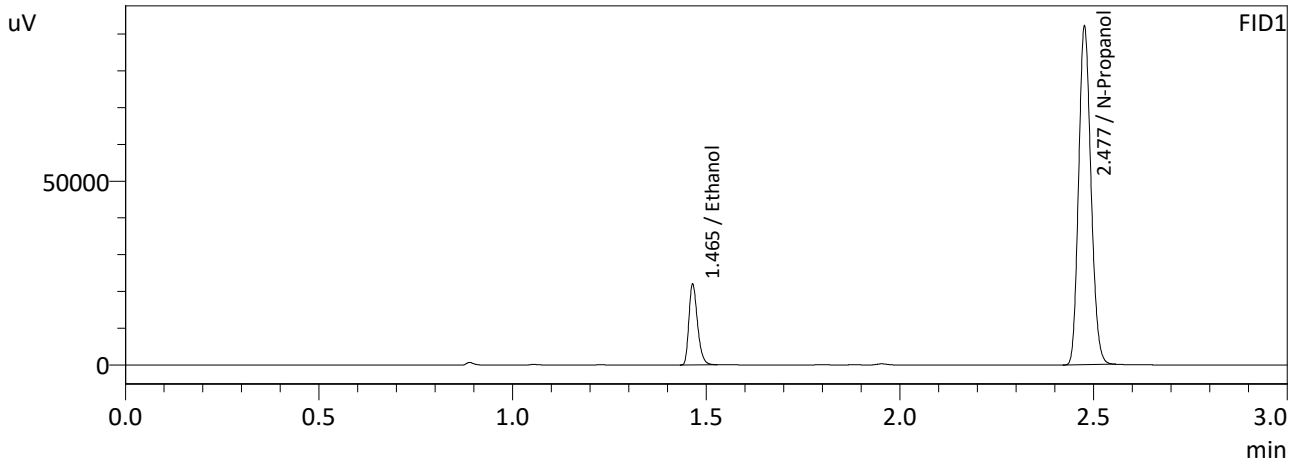
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0782	32449	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197257	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0781	35120	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214598	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 12/15/2022 2:59:09 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	33933	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203885	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	36684	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221879	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2

Item #

Analysis Date(s): 12/15/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0838	0.0840	0.0002	0.0839	0.0006	0.0836
(g/100cc)	0.0834	0.0833	0.0001	0.0833		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	0.078	0.088	0.005

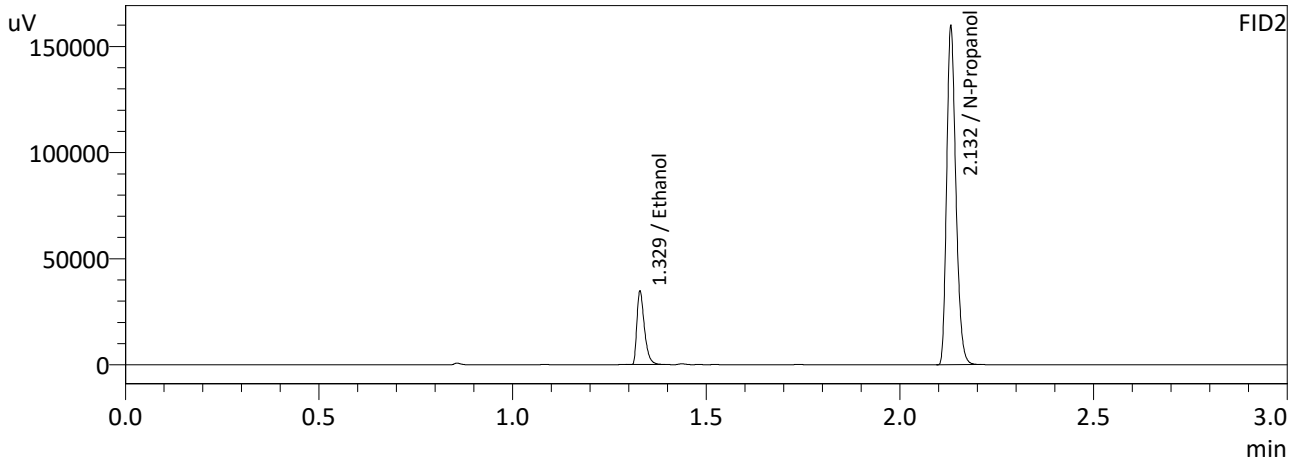
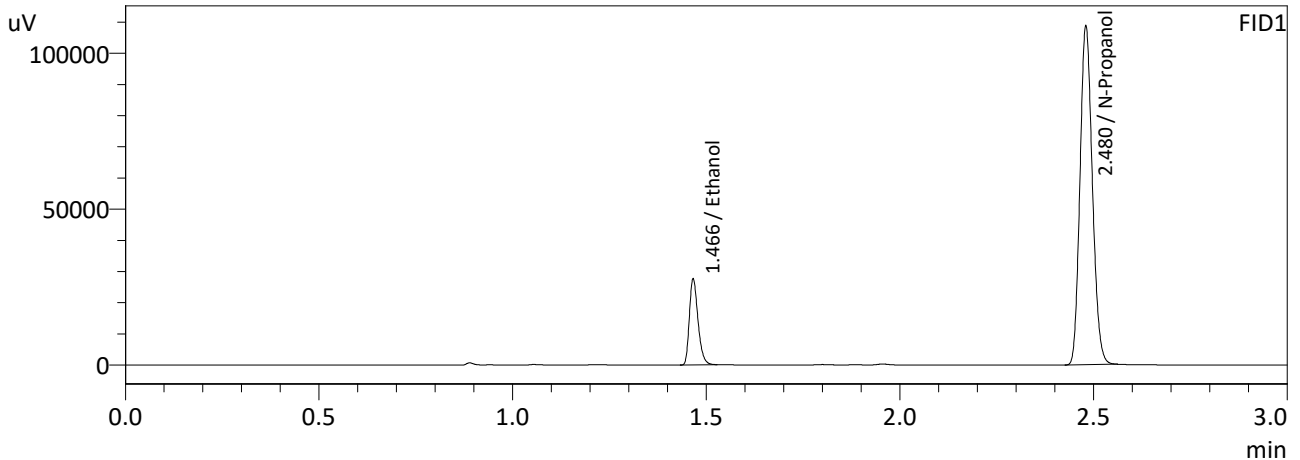
Reported Result	
0.083	

Calibration and control data are stored centrally.

Revision: 1

Issue Date: 12/29/21 *NB*

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : 12/15/2022 8:50:31 PM
 Vial # : 47
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

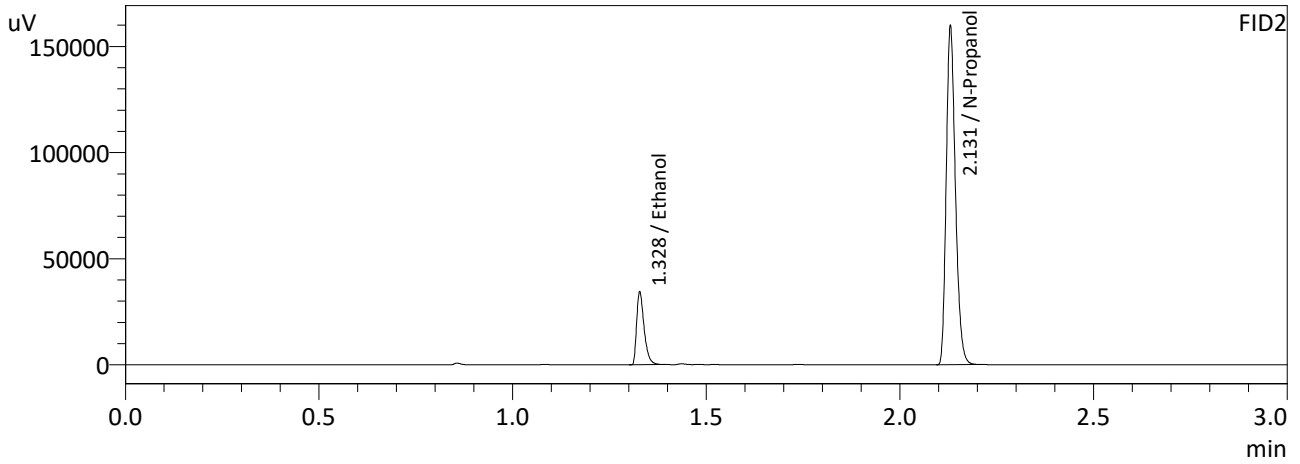
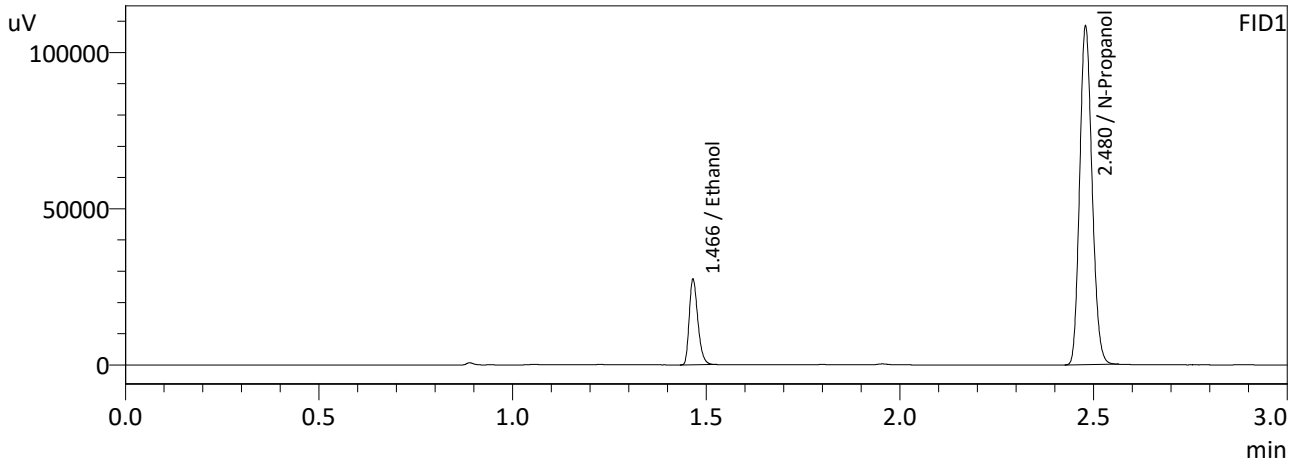
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	42706	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241446	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0840	46496	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263408	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : 12/15/2022 9:00:55 PM
 Vial # : 48
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0834	42372	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240913	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	45997	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262820	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-1

Item #

Analysis Date(s): 12/15/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2131	0.2134	0.0003	0.2132	0.0029	0.2146
(g/100cc)	0.2160	0.2162	0.0002	0.2161		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.214	0.203	0.225	0.011

Reported Result	
0.214	

Calibration and control data are stored centrally.

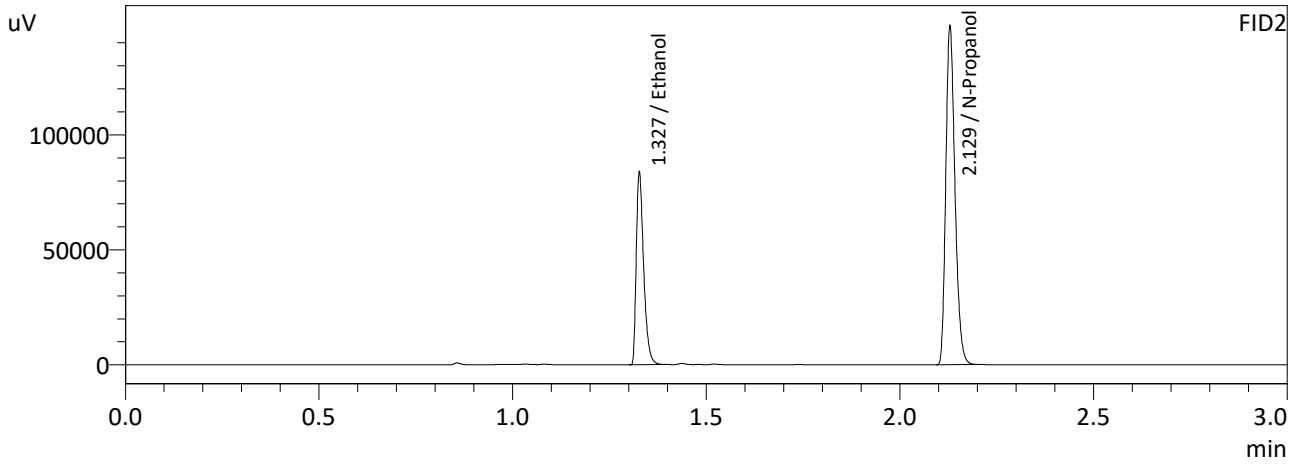
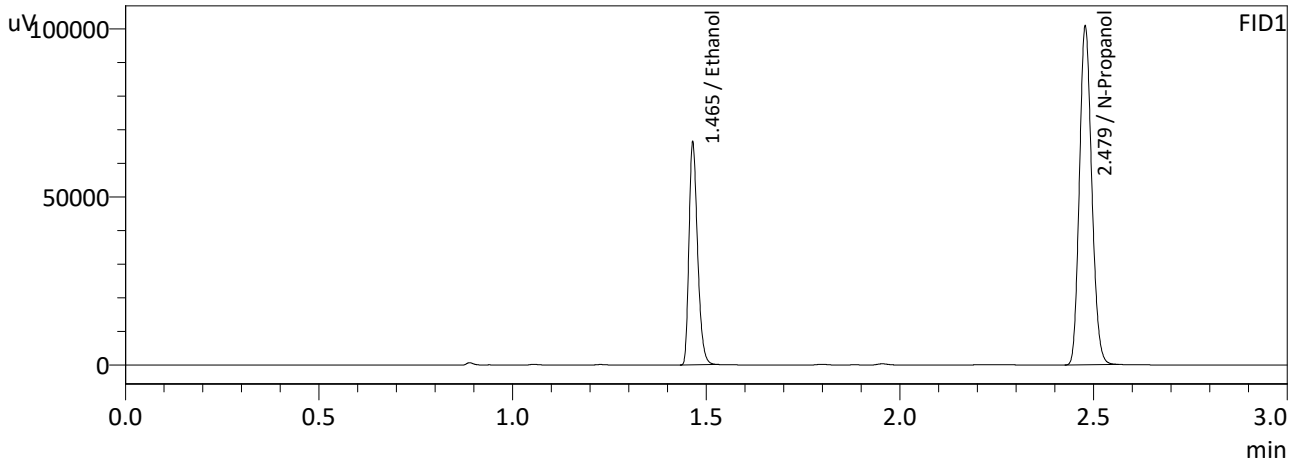


Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 Laboratory : Meridian
 Injection Date : 12/15/2022 5:51:15 PM
 Vial # : 25
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

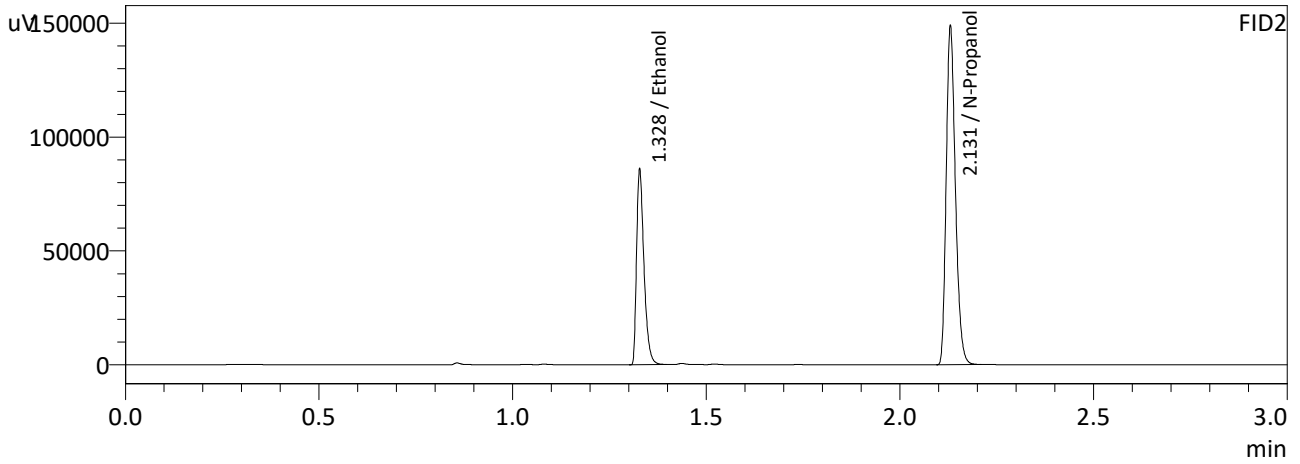
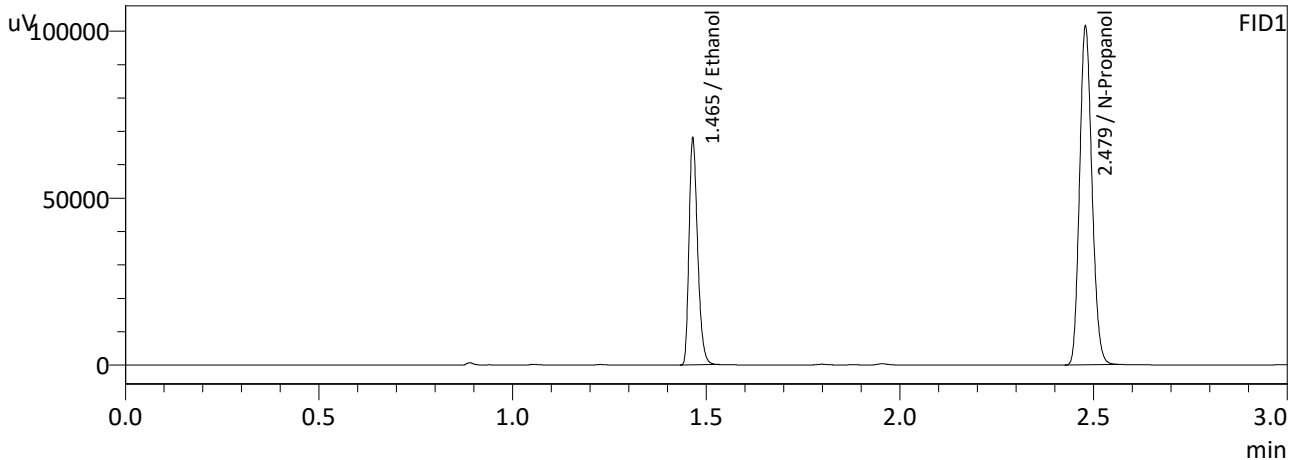
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2131	101945	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	222483	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2134	110881	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242164	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 12/15/2022 5:59:29 PM
 Vial # : 26
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2160	104521	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	225032	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2162	113784	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245310	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-2

Item #

Analysis Date(s): 12/15/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2169	0.2163	0.0006	0.2166	0.0007	0.2169
(g/100cc)	0.2174	0.2172	0.0002	0.2173		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.216	0.205	0.227	0.011

Reported Result	
0.216	

Calibration and control data are stored centrally.

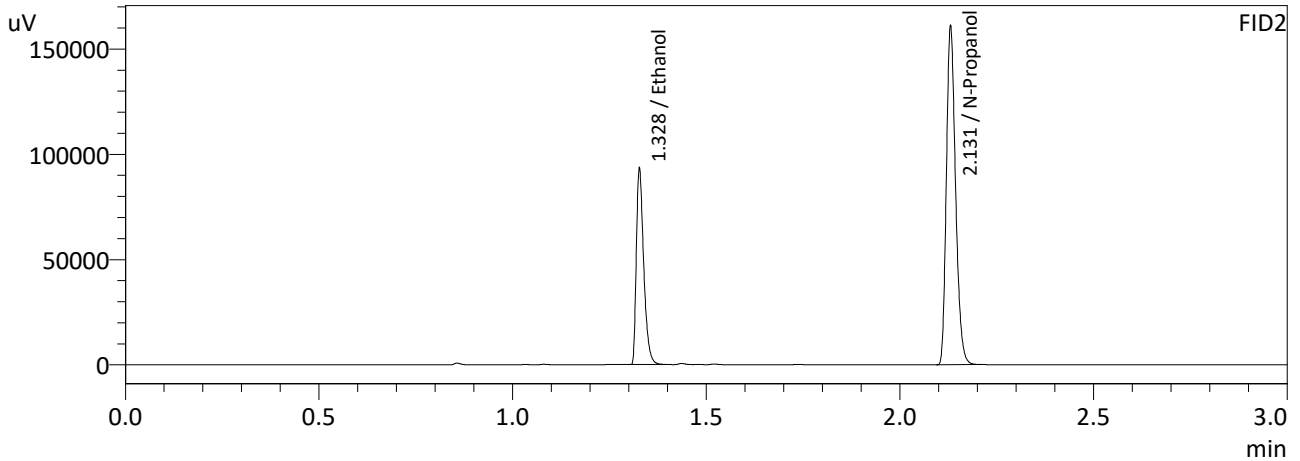
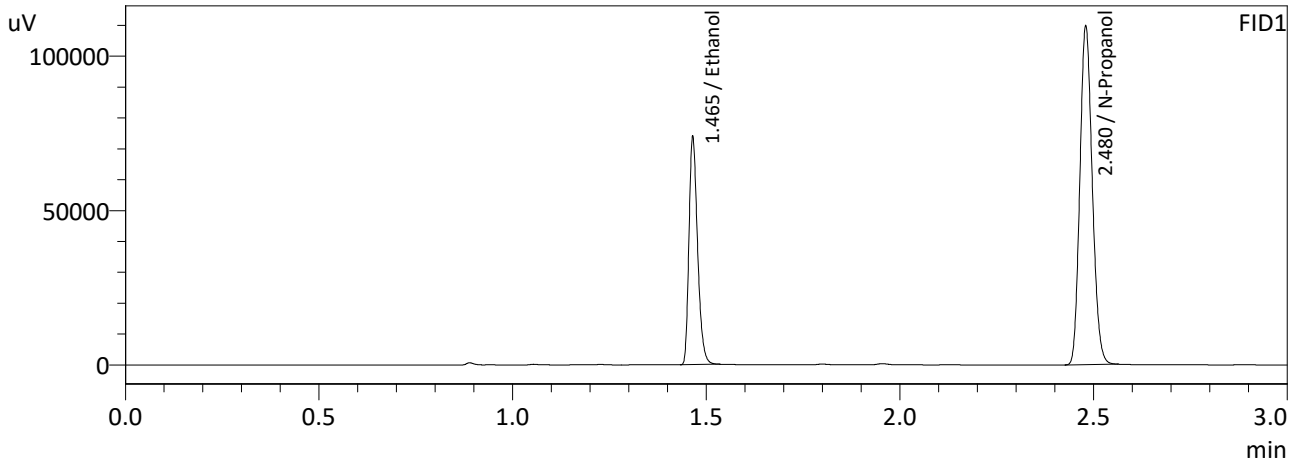
NB

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : 12/15/2022 9:56:59 PM
 Vial # : 55
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

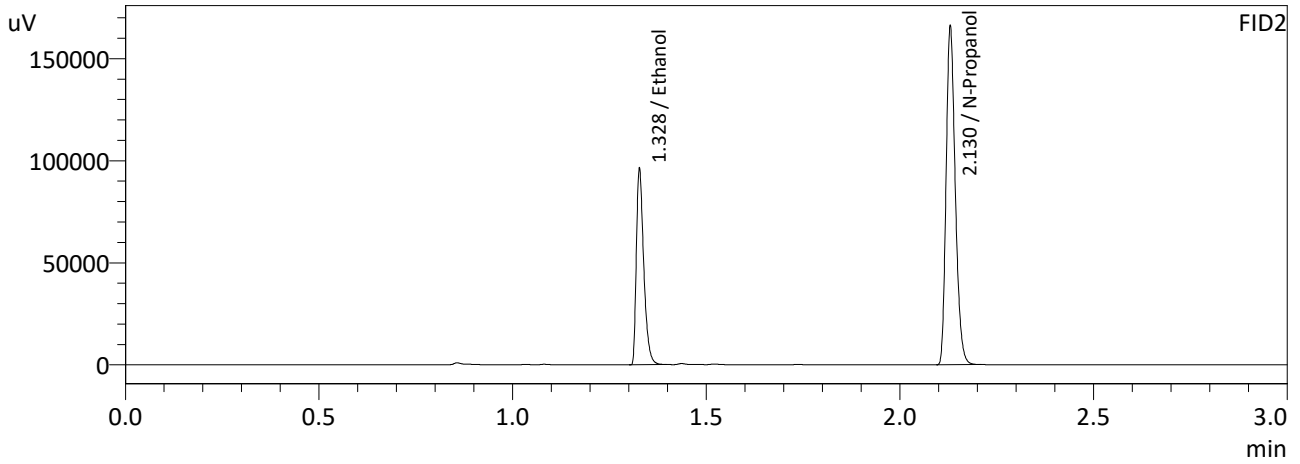
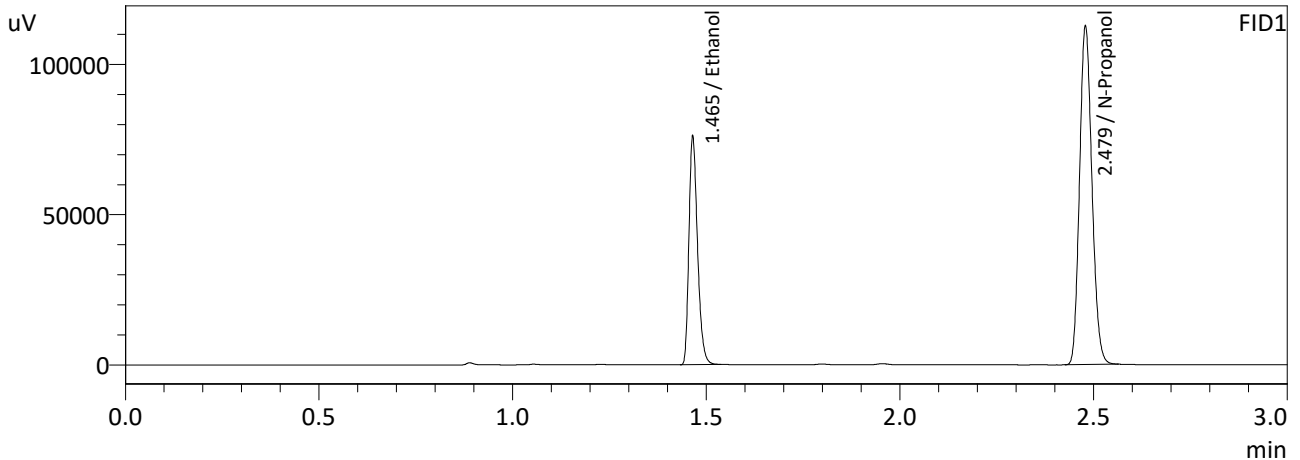
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2169	113686	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243706	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2163	123292	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	265632	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : 12/15/2022 10:04:39 PM
 Vial # : 56
 Method Filename : C:\LabSolutions\Data\221215\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2174	117150	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	250533	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2172	127297	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	273138	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 Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
7	M2022-5060-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
8	M2022-5060-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
9	M2022-5067-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
10	M2022-5067-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
11	M2022-5068-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
12	M2022-5068-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
13	M2022-5069-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
14	M2022-5069-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
15	M2022-5081-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
16	M2022-5081-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
17	M2022-5083-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
18	M2022-5083-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
19	M2022-5099-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
20	M2022-5099-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
21	M2022-5100-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
22	M2022-5100-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
23	M2022-5101-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
24	M2022-5101-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
27	M2022-5102-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
28	M2022-5102-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
29	M2022-5104-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
30	M2022-5104-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
31	M2022-5106-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
32	M2022-5106-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
33	M2022-5107-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
34	M2022-5107-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
35	M2022-5108-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
36	M2022-5108-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
37	M2022-5111-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
38	M2022-5111-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
39	M2022-5126-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
40	M2022-5126-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
41	M2022-5127-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
42	M2022-5127-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
43	M2022-5136-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
44	M2022-5136-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
45	M2022-5155-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
46	M2022-5155-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
49	M2022-5156-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
50	M2022-5156-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
51	M2022-5157-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
52	M2022-5157-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
53	M2022-5164-1-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
54	M2022-5164-1-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
55	QC2-2-A	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
56	QC2-2-B	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM
57	INT STD BLK	C:\LabSolutions\Data\22\1215\CALIBRATION\ALCOHOL.GCM