BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Run Date(s): 7/19/21- 7/20/21

calibration 7/19/21

Volatiles Quality Assurance Controls

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0754	g/100cc
					0.0788	g/100cc
						g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2109	g/100cc
					0.2104	g/100cc
						g/100cc

Multi-Component mixture:

	Lot #			acceptable
Curve Fit:	FN07101701			
	Column 1	0.99981	Column2	0.99982

Ethanol Calibration Reference Material

| Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0529	0.0530	1E-04	0.0529
100	0.100	0.090 - 0.110	0.0998	0.0995	0.0003	0.0996
200	0.200	0.180 - 0.220	0.1973	0.1972	0.0001	0.1972
300	0.300	0.270 - 0.330	0.2977	0.2983	0.0006	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5021	0.5019	0.0002	0.502

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results	
80	0.080	0.076 - 0.084	0.083	g/100cc

Worklist: 5114

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2021-3079	1	BCK	Alcohol Analysis	
M2021-3080	1	BCK	Alcohol Analysis	
M2021-3105	1	BCK	Alcohol Analysis	
M2021-3106	1	BCK	Alcohol Analysis	
M2021-3107	1	BCK	Alcohol Analysis	
M2021-3108	1	BCK	Alcohol Analysis	
M2021-3109	1	BCK	Alcohol Analysis	
M2021-3110	1	BCK	Alcohol Analysis	
M2021-3117	1	BCK	Alcohol Analysis	
M2021-3118	1	BCK	Alcohol Analysis	
M2021-3119	1	BCK	Alcohol Analysis	
M2021-3135	1	BCK	Alcohol Analysis	
M2021-3136	1	BCK	Alcohol Analysis	
M2021-3142	1	BCK	Alcohol Analysis	
M2021-3143	1	BCK	Alcohol Analysis	
M2021-3143	2	BCK	Alcohol Analysis	
M2021-3143	3	BCK	Alcohol Analysis	
M2021-3143	4	BCK	Alcohol Analysis	
M2021-3143	5	BCK	Alcohol Analysis	
M2021-3143	6	BCK	Alcohol Analysis	
M2021-3148	1	BCK	Alcohol Analysis	
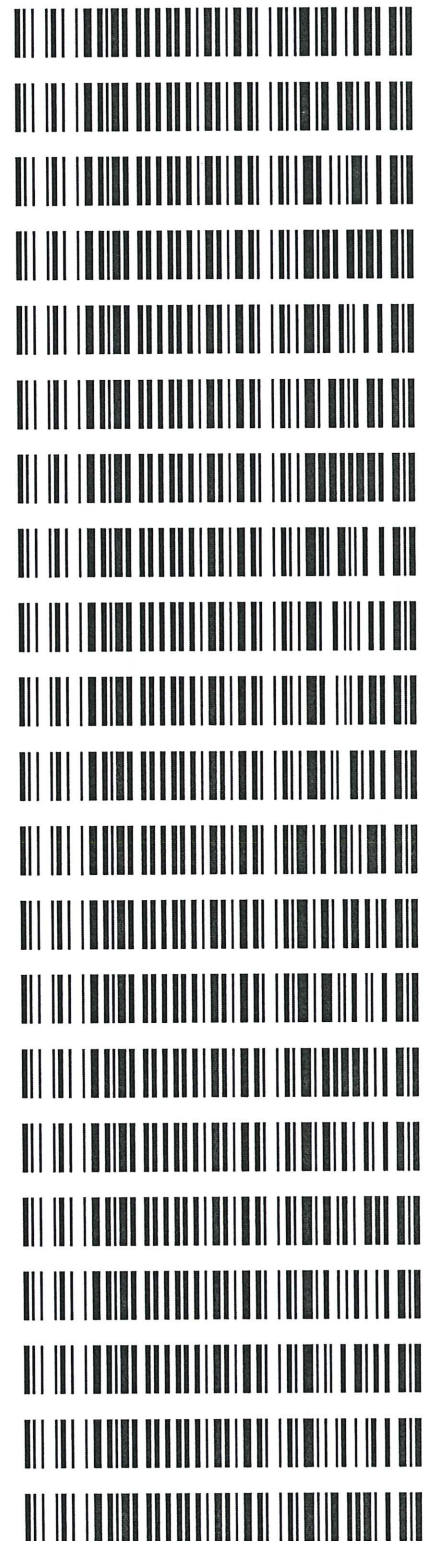
Worklist: 5114

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
M2021-3167	1	BCK	Alcohol Analysis
M2021-3176	1	BCK	Alcohol Analysis

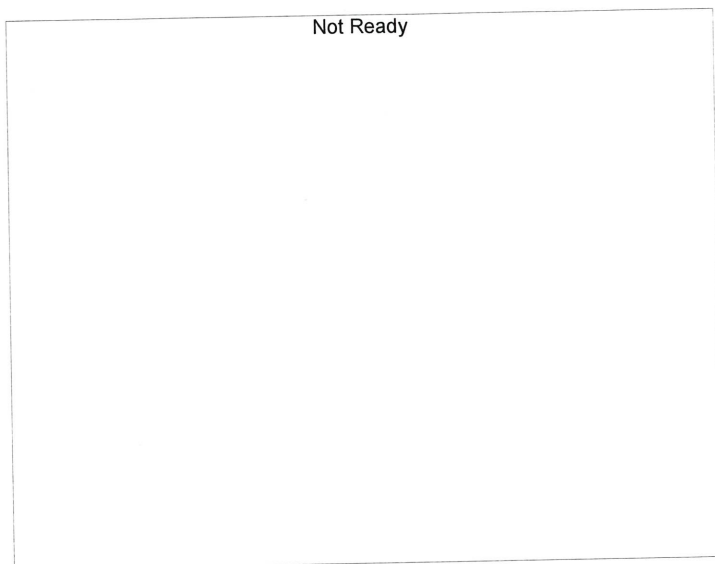===

Calibration Table

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

<<Data File>>
Method File   :C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
Batch File   :C:\LabSolutions\Data\210719\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired   :7/19/2021 3:55:02 PM
Date Created   :7/19/2021 3:50:25 PM
Date Modified   :7/19/2021 3:58:04 PM

Not Ready

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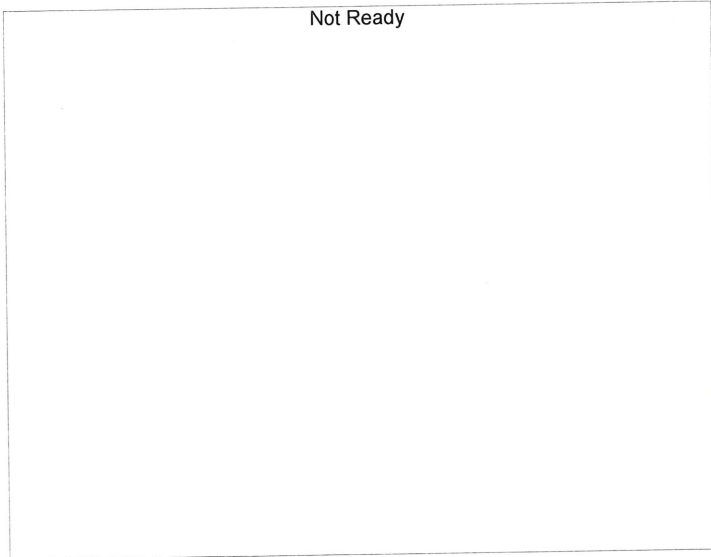R^2 value= 0
FitType: Linear
ZeroThrough: Not Through
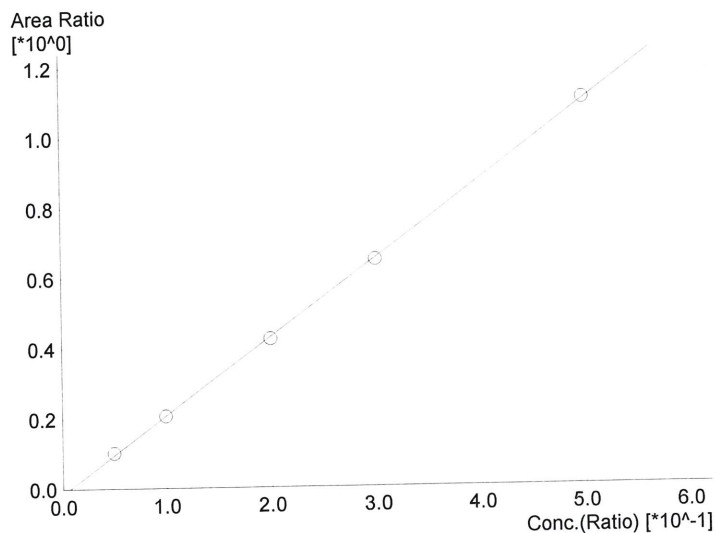
#	Conc.	Area	Std. Conc.

Name : Ethanol
Detector Name: FID1
Function : f(x)=2.22643*x-0.0164228
R^2 value= 0.9998057
FitType: Linear
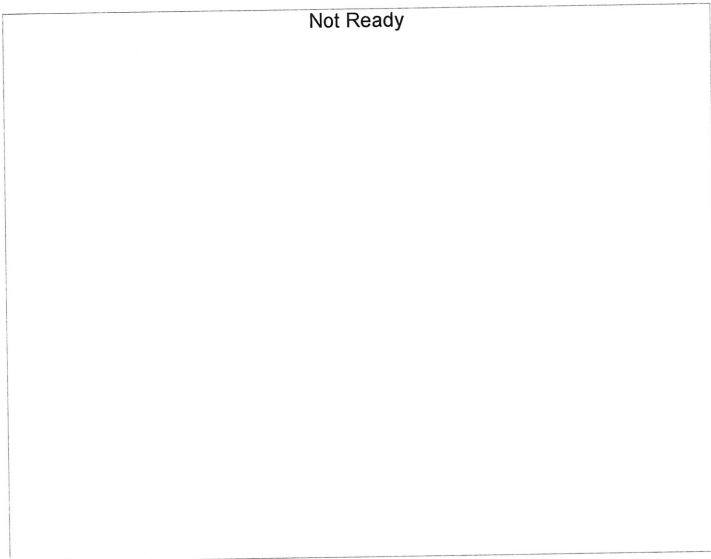ZeroThrough: Not Through

Area Ratio
[*10^0]

#	Conc.	Area	Std. Conc.
1	0.050	20182	0.0529
2	0.100	41028	0.0998
3	0.200	83046	0.1973
4	0.300	127362	0.2977
5	0.500	225269	0.5021

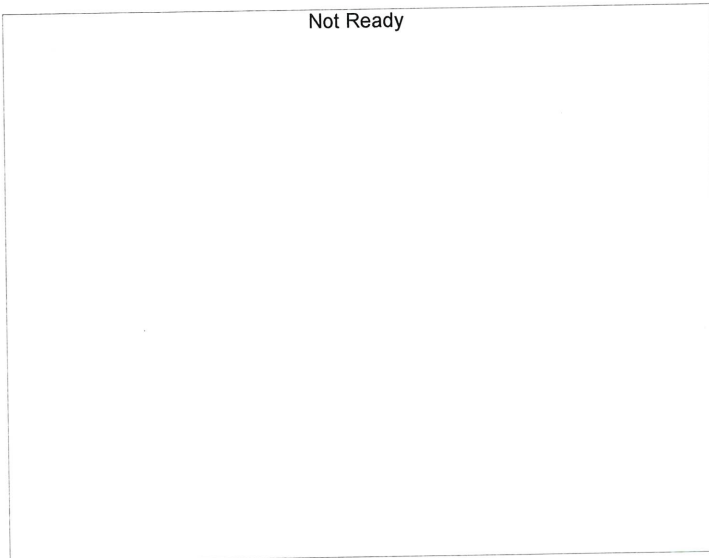Conc.(Ratio) [*10^-1]

Not Ready

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.

Not Ready

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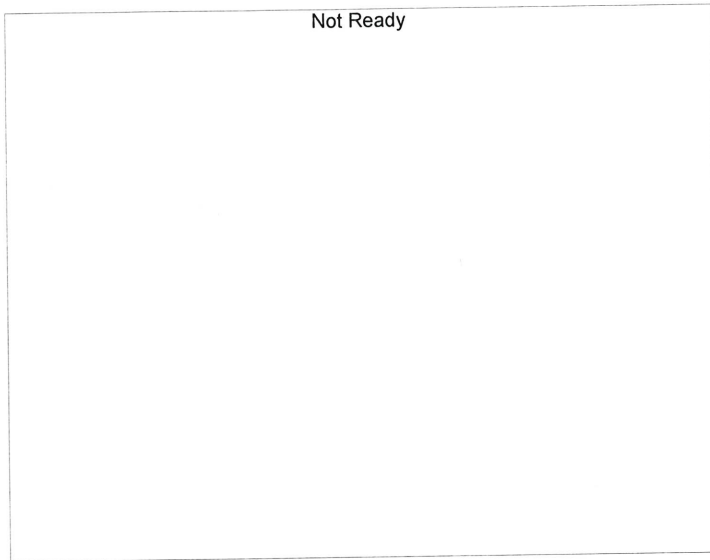R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

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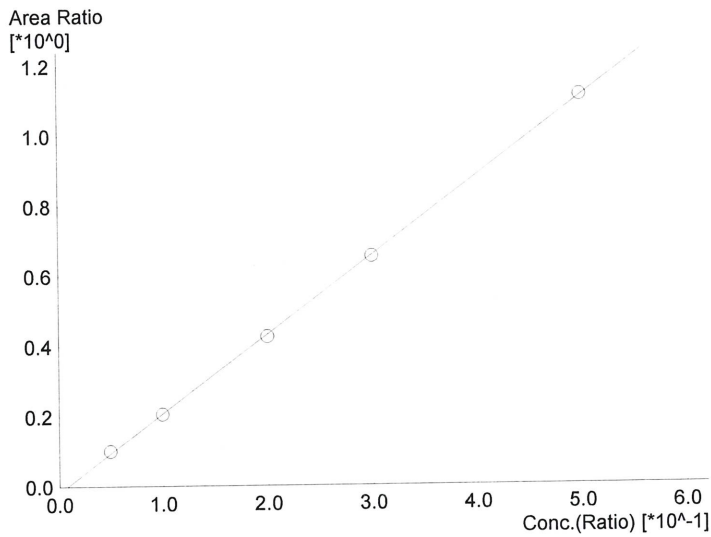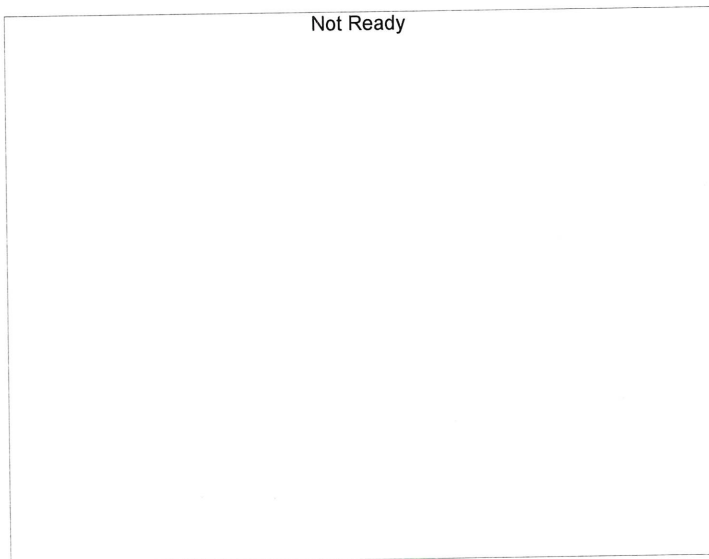R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

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

#	Conc.	Area	Std. Conc.

Area Ratio
[*10^0]

Name : Ethanol
Detector Name: FID2
Function : f(x)=2.24810*x-0.0188207
R^2 value= 0.9998173
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	17817	0.0530
2	0.100	36452	0.0995
3	0.200	74519	0.1972
4	0.300	114785	0.2983
5	0.500	203004	0.5019

Not Ready

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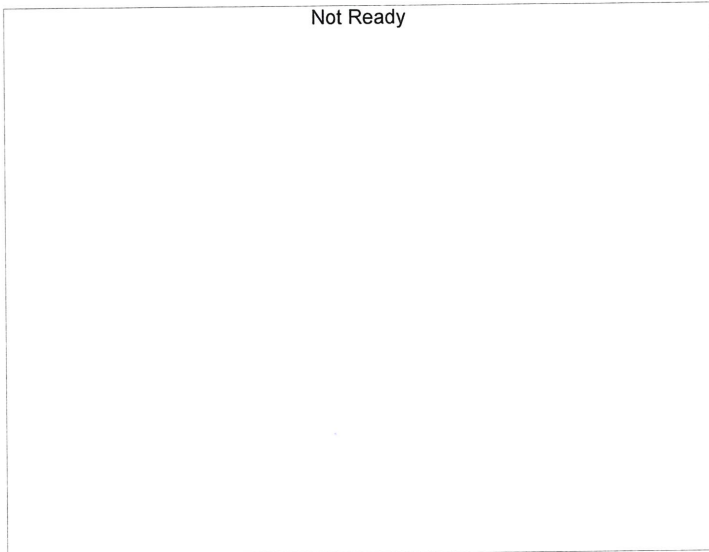FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

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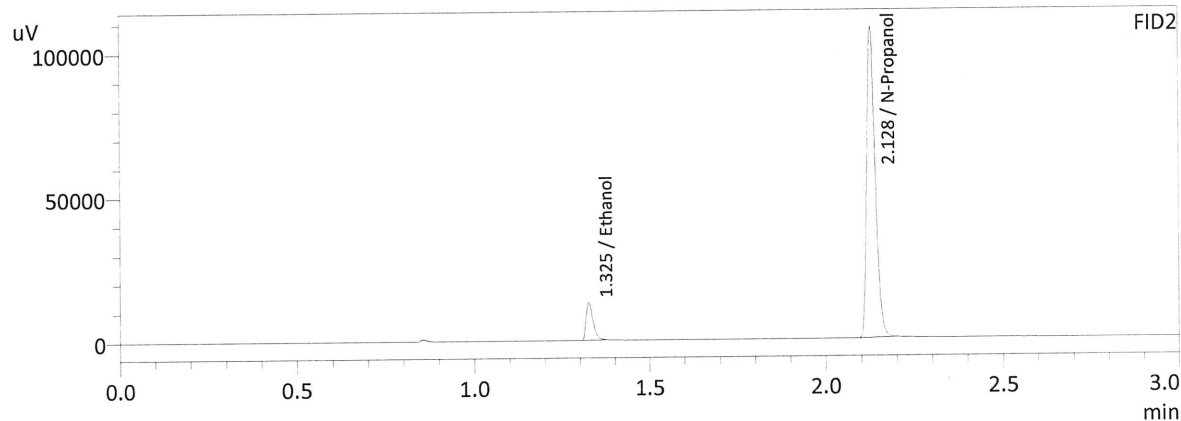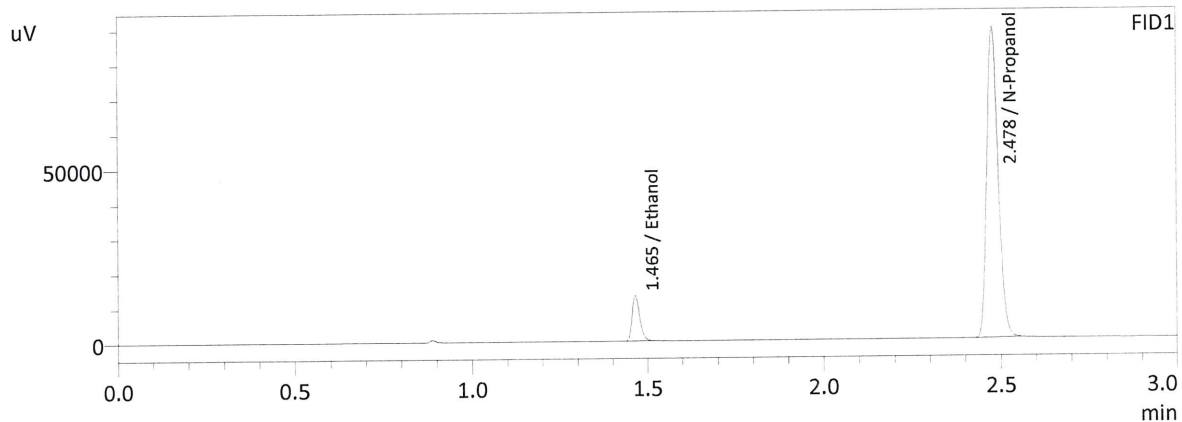R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

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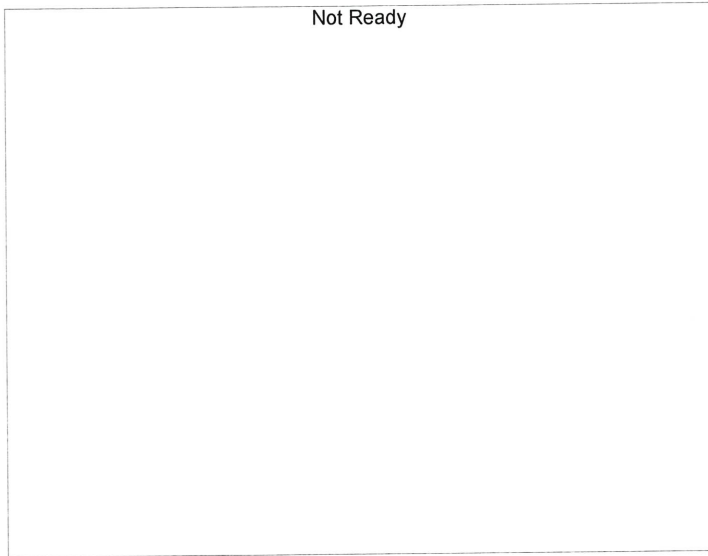
Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Sample Name   : 0.050
Laboratory   : Meridian
Injection Date   : 7/19/2021 3:23:53 PM
Vial #   : 1
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
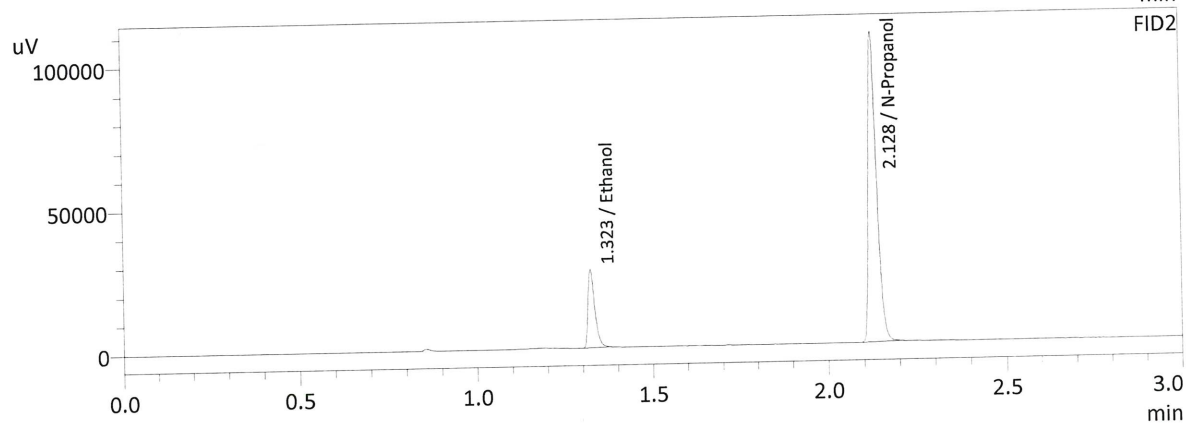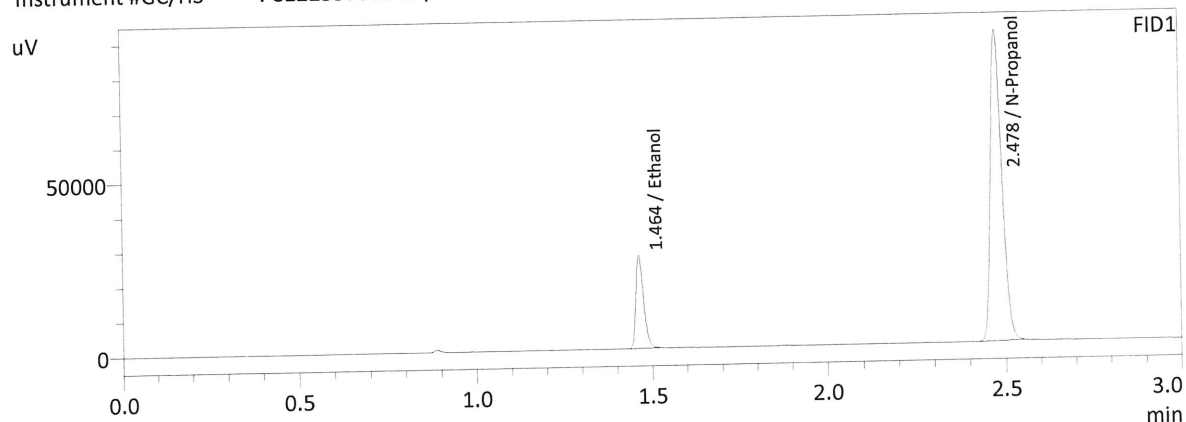Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0529	20182	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199074	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0530	17817	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	177528	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0998	41028	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199370	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0995	36452	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	177896	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.200
Laboratory   : Meridian
Injection Date : 7/19/2021 3:38:50 PM
Vial #   : 3
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
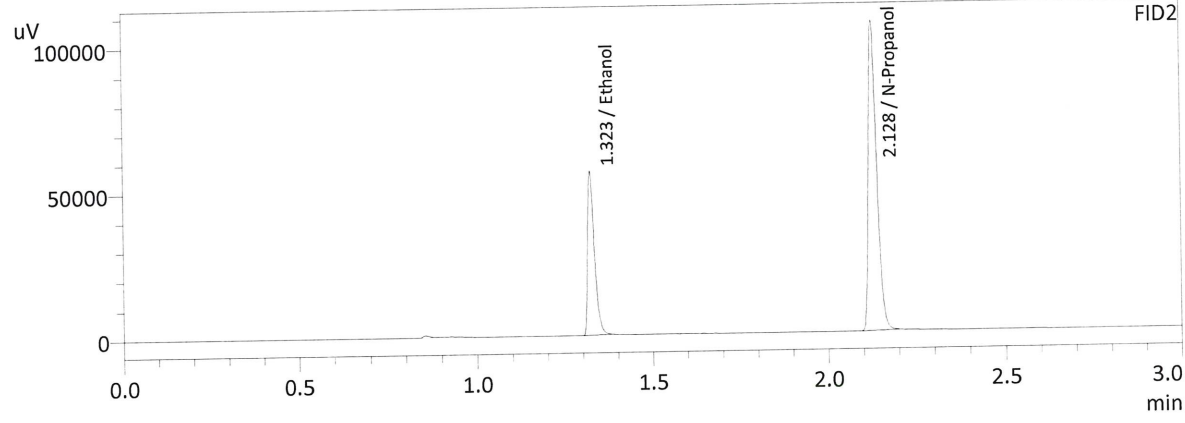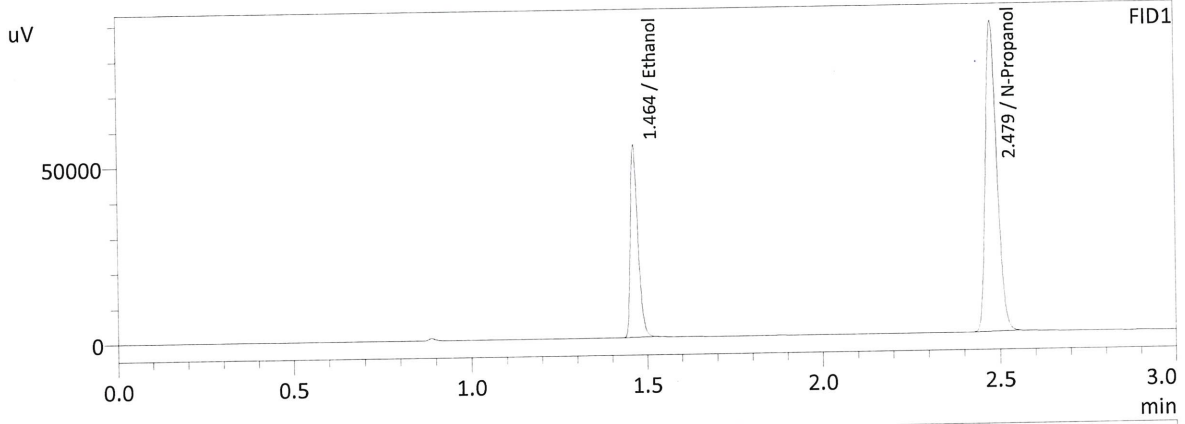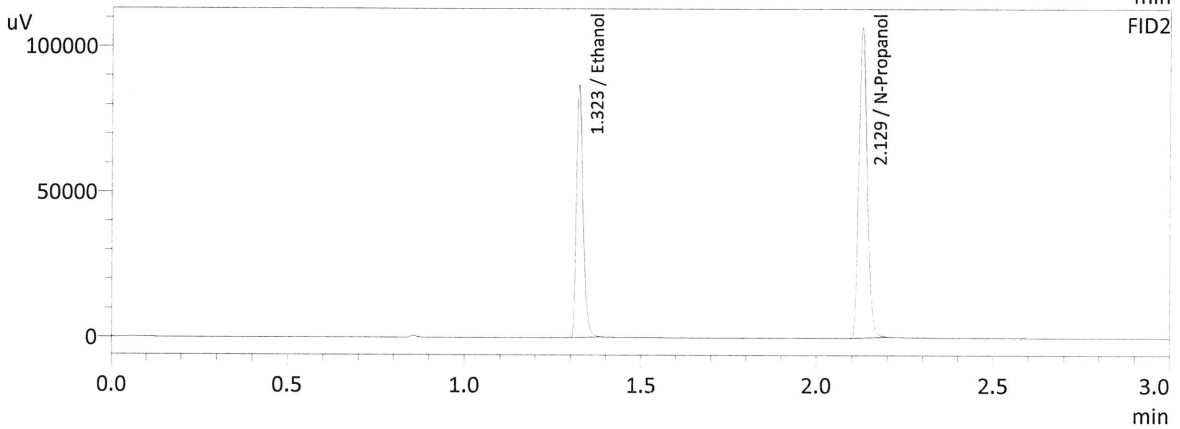Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1973	83046	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196315	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1972	74519	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	175496	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/19/2021 3:47:17 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
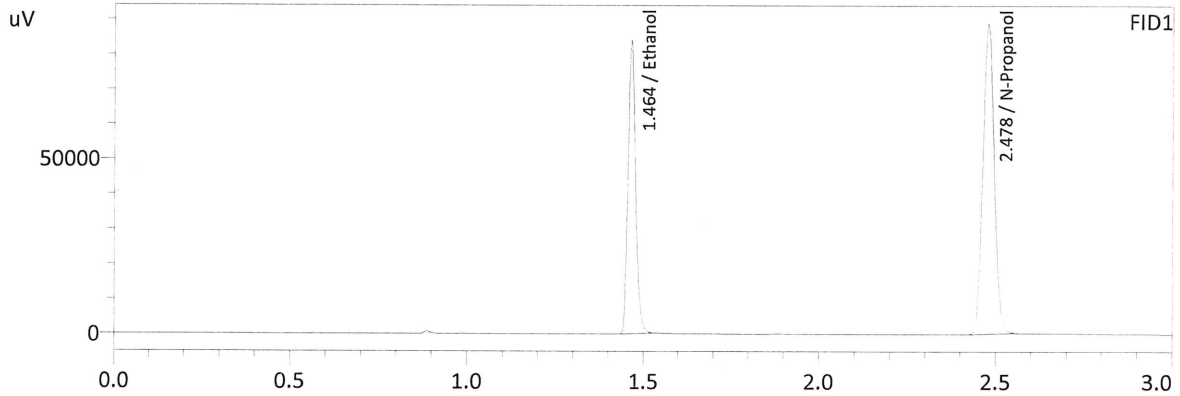Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	127362	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196986	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2983	114785	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	176104	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.500
Laboratory   : Meridian
Injection Date : 7/19/2021 3:55:02 PM
Vial #   : 5
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
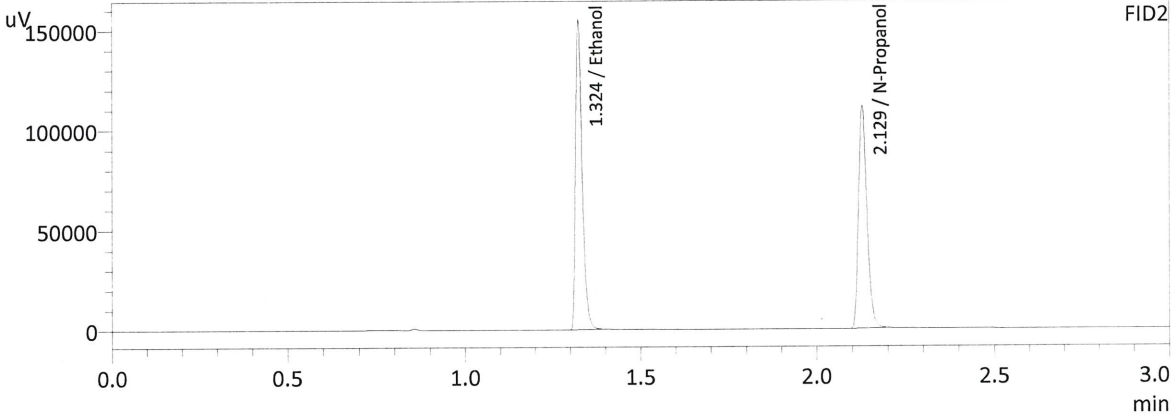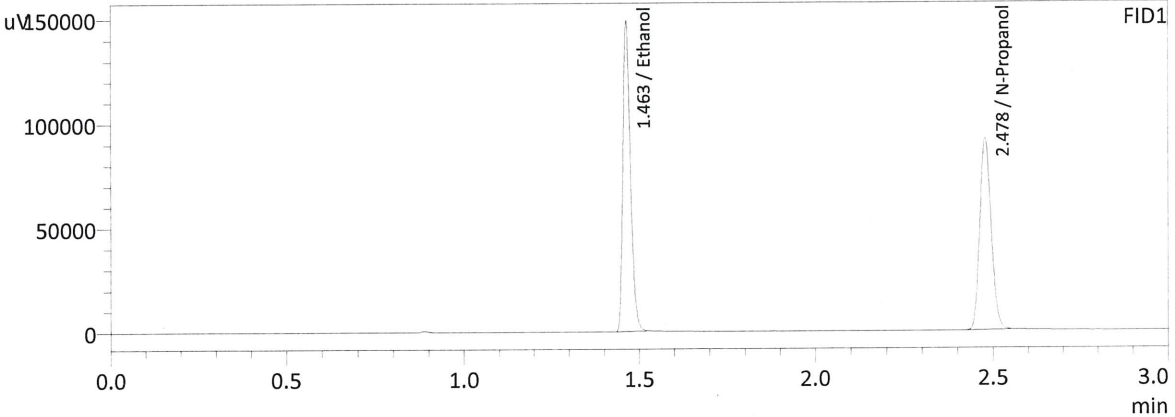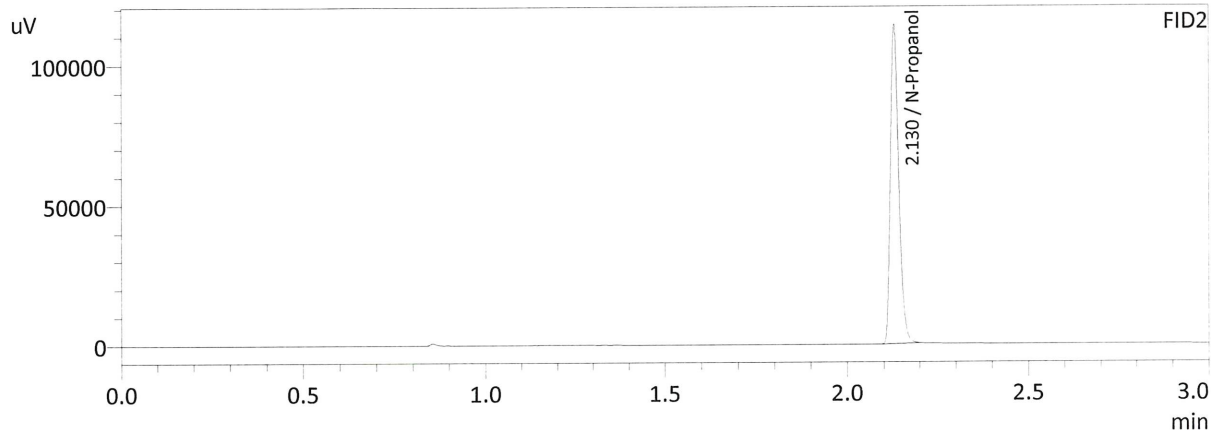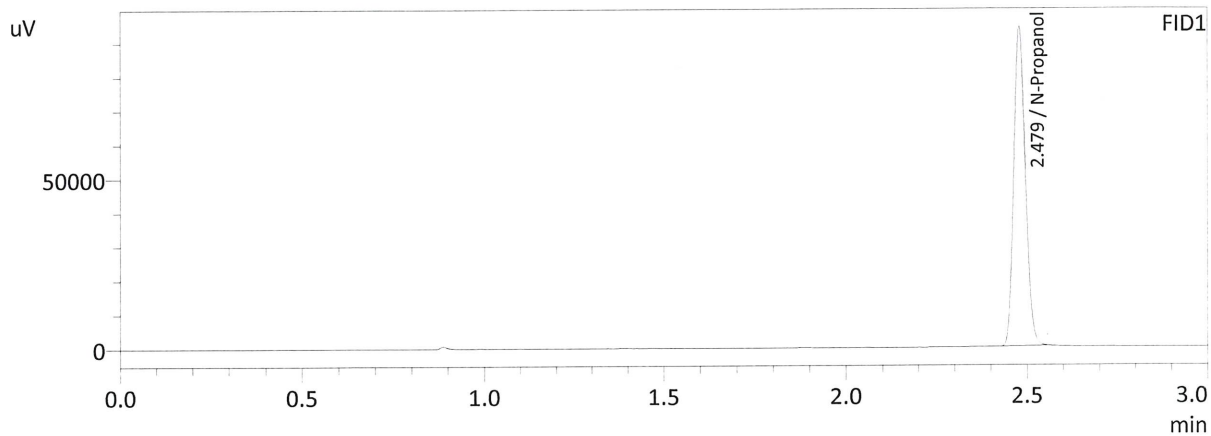Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5021	225269	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204504	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5019	203004	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182964	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name	: INT STD BLNK
Laboratory	: Meridian
Injection Date	: 7/19/2021 4:03:41 PM
Vial #	: 6
Method Filename	: C:\LabSolutions\Data\210719\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	209819	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

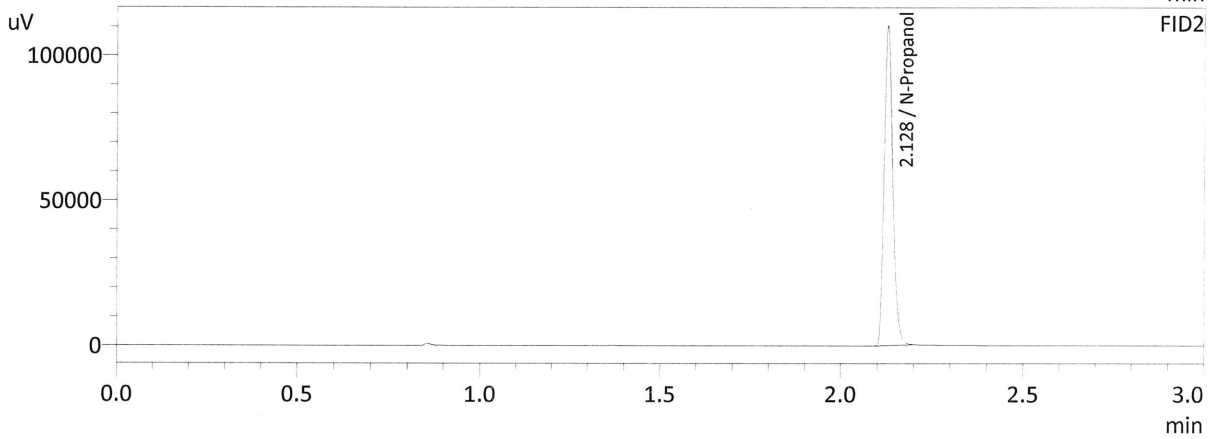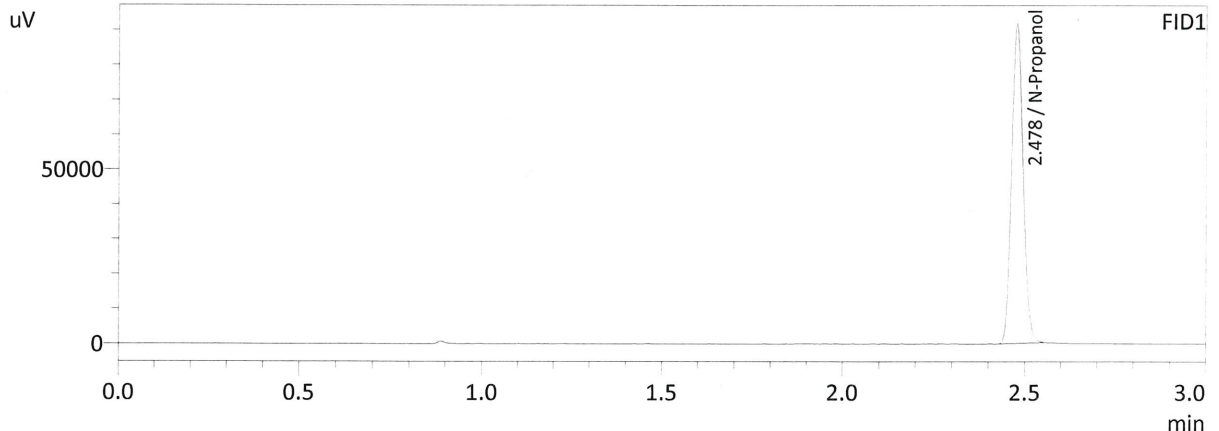| Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	187419	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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 BLNK	0:Unknown	0	ALCOHOL.GCM

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203670	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	181842	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 7/19/2021 5:14:37 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
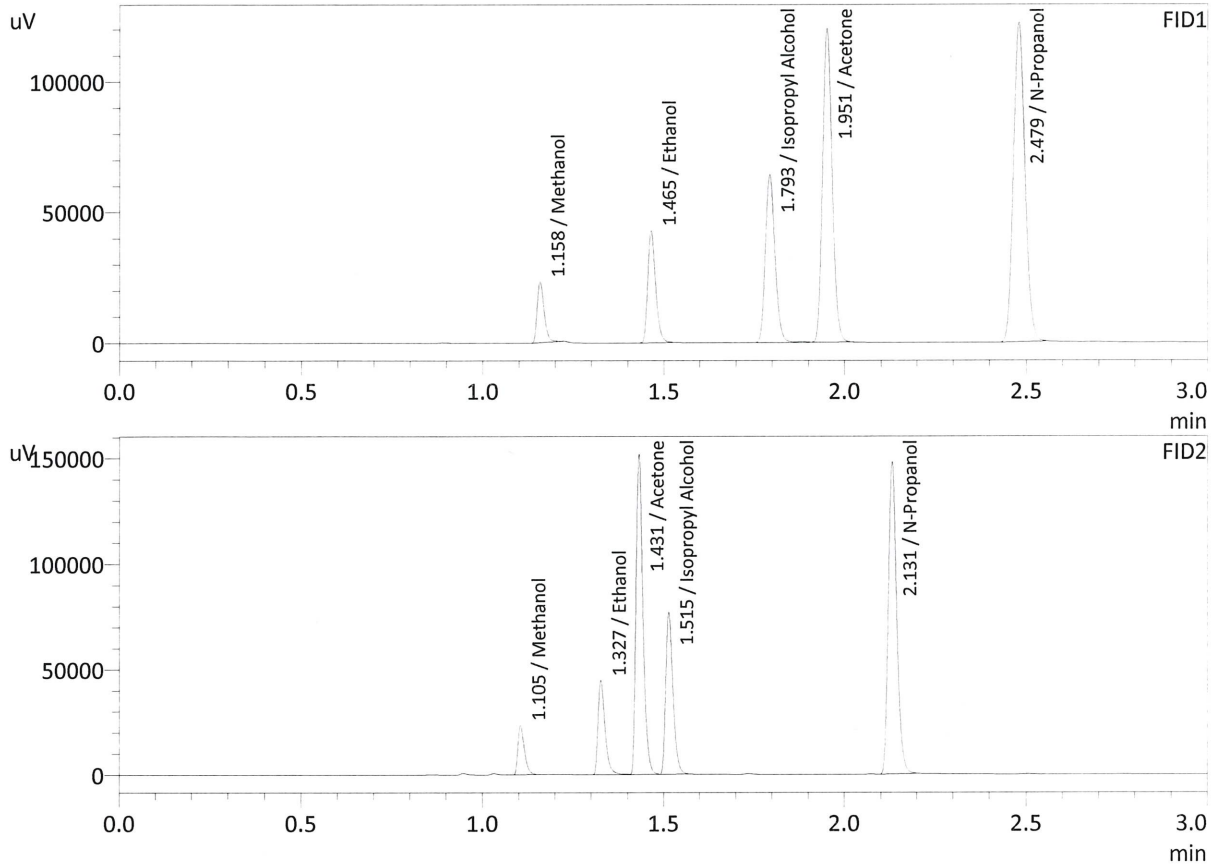Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	0.0000	31318	g/100cc
Ethanol	0.1160	65667	g/100cc
Isopropyl Alcohol	0.0000	119281	g/100cc
Acetone	0.0000	223043	g/100cc
N-Propanol	0.0000	271508	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	29387	g/100cc
Ethanol	0.1188	60253	g/100cc
Acetone	0.0000	203914	g/100cc
Isopropyl Alcohol	0.0000	107656	g/100cc
N-Propanol	0.0000	242615	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1   **Analysis Date(s): 7/19/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0754	0.0758	0.0004	0.0756		
(g/100cc)	0.0750	0.0755	0.0005	0.0752	0.0004	0.0754

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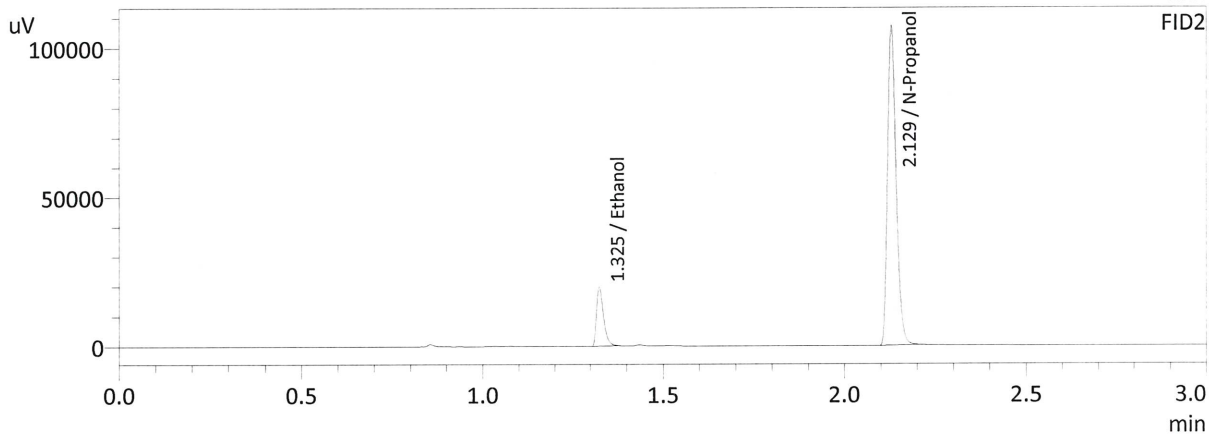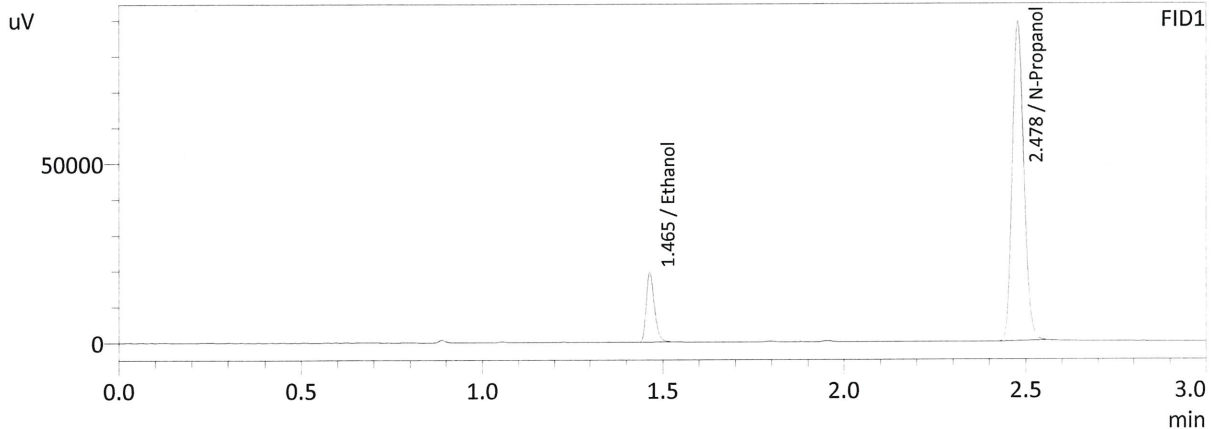
Reporting of Results   Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

NB

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0754	29896	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197288	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0758	26748	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	176283	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
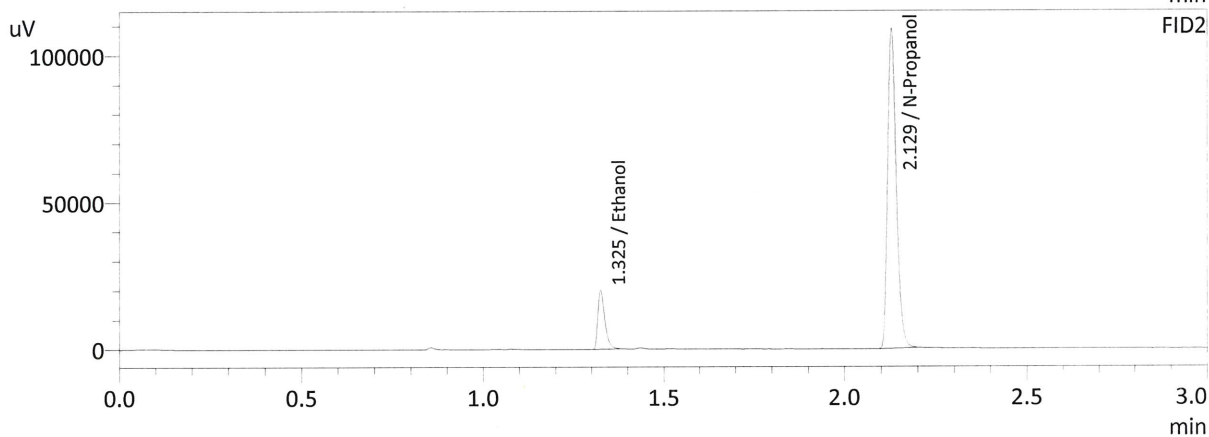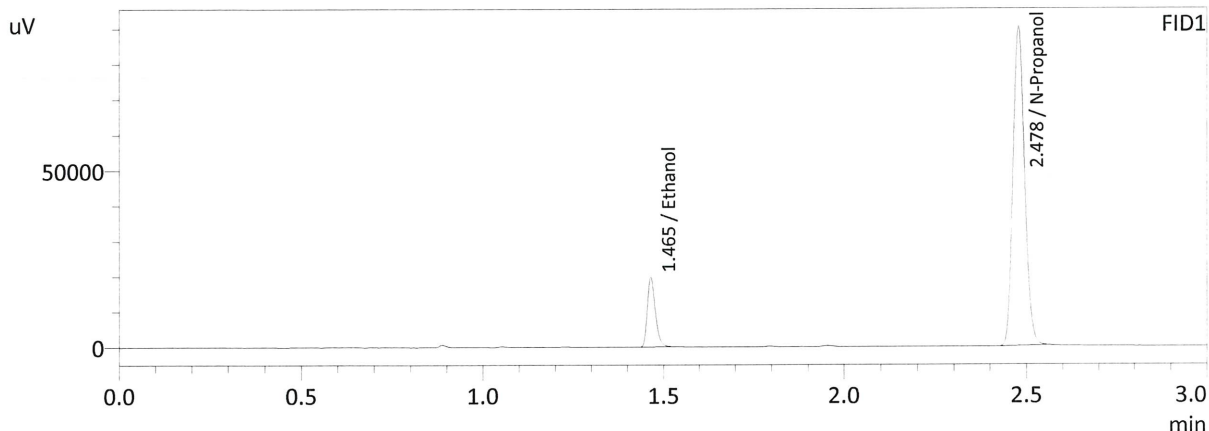
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0750	30205	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200399	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0755	27020	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	179030	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA   **Analysis Date(s): 7/19/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0828	0.0831	0.0003	0.0829	0.0008	0.0833
(g/100cc)	0.0833	0.0841	0.0008	0.0837		

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

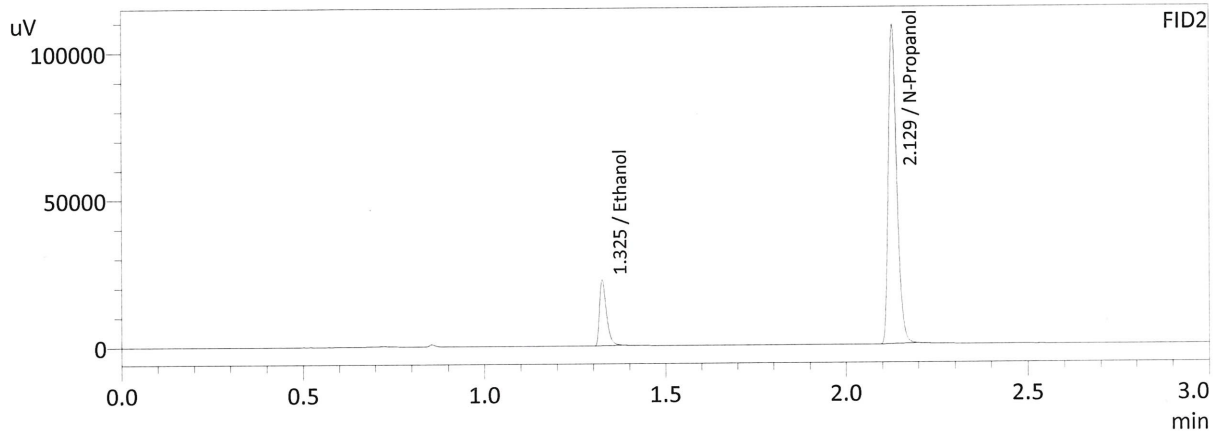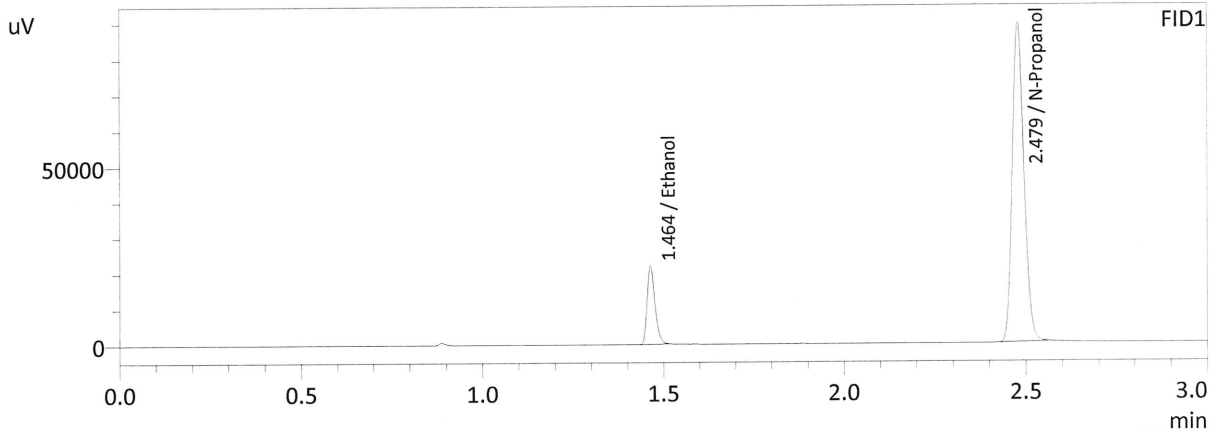**Uncertainty of Measurement (UM%): 5.00%**

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.

Sample Name   : 0.08 QA-A
Laboratory   : Meridian
Injection Date   : 7/19/2021 5:38:34 PM
Vial #   : 5
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
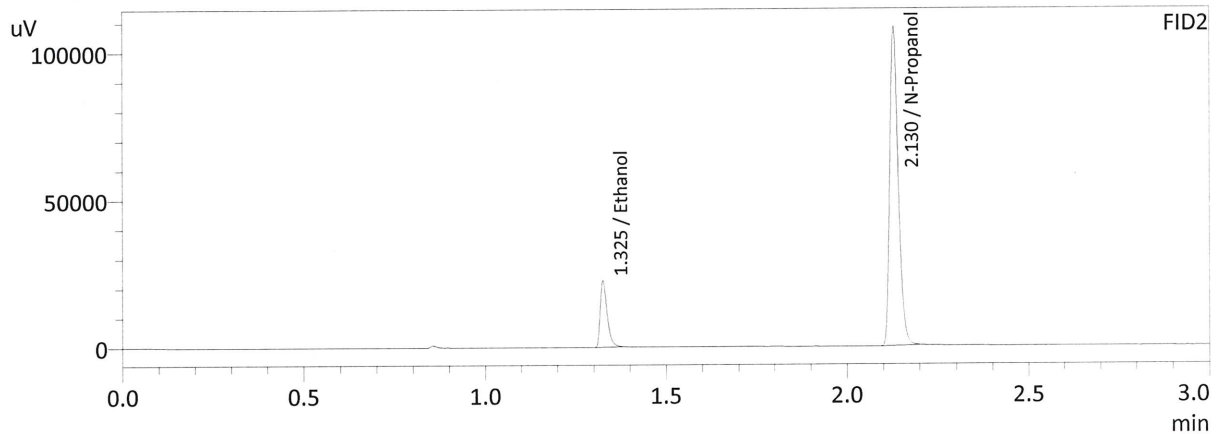Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	33541	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199537	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	29985	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	178328	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
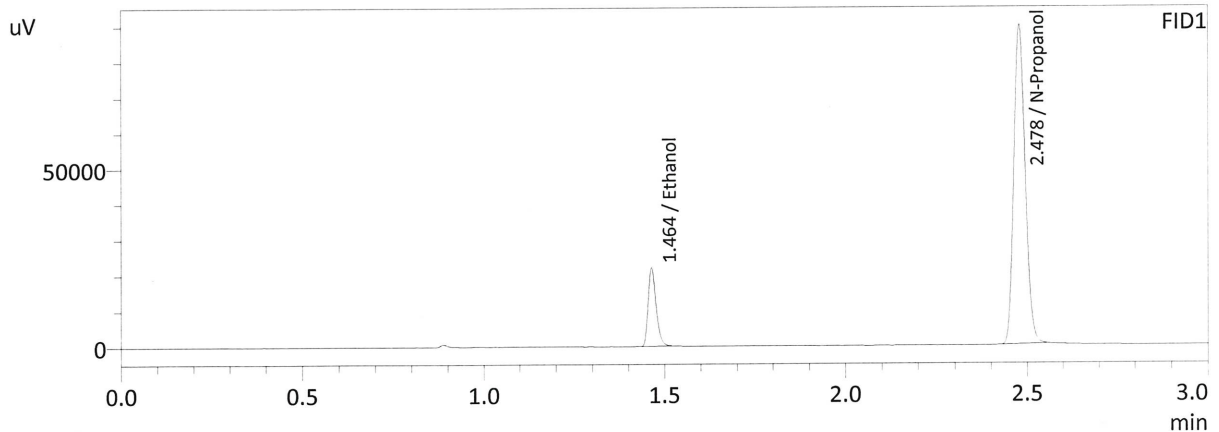
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	33794	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199659	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0841	30419	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	178459	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1   **Analysis Date(s): 7/19/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2086	0.2108	0.0022	0.2097		
(g/100cc)	0.2102	0.2122	0.0020	0.2112	0.0015	0.2104

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%**
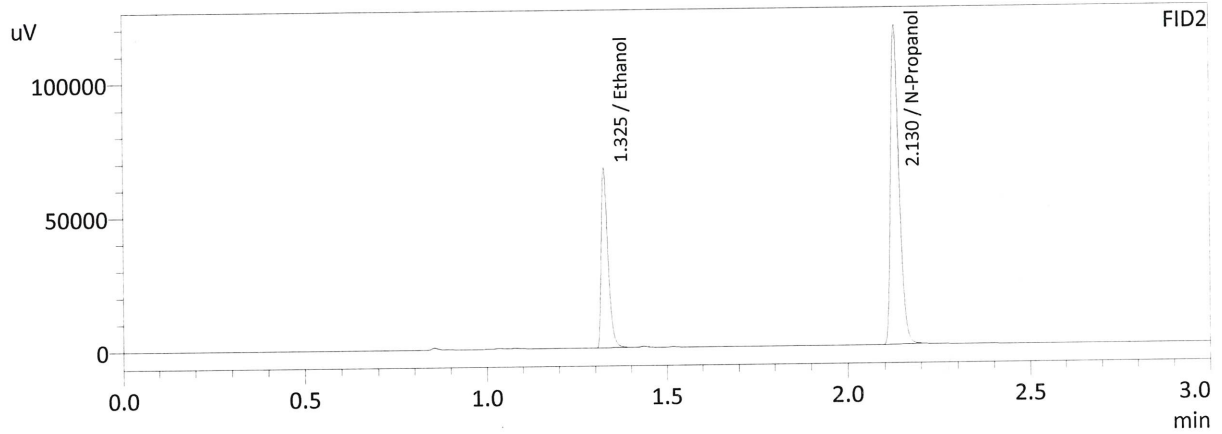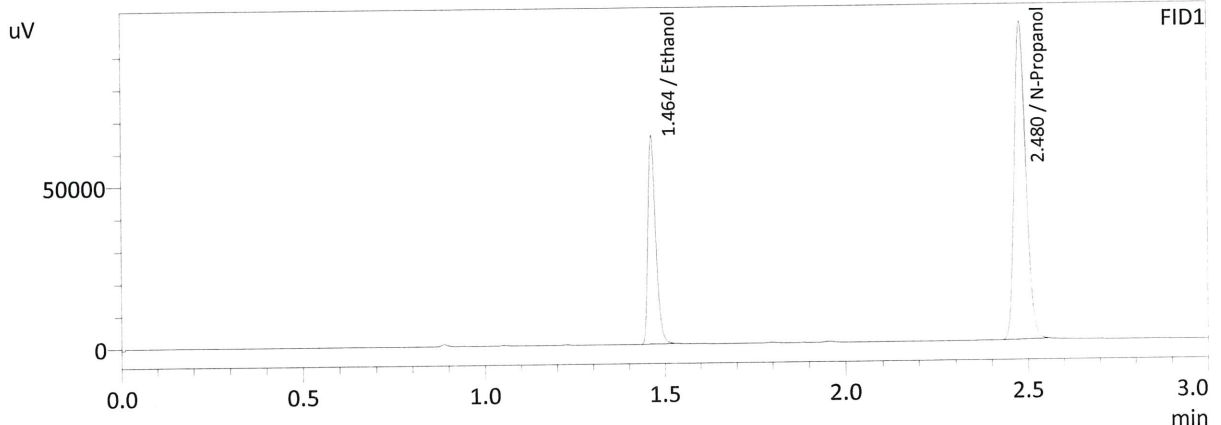
Overall Mean (g/100cc)	Low	High	5% of Mean
0.210	0.199	0.221	0.011

	Reported Result	
	0.210	

Calibration and control data are stored centrally.

Sample Name   : QC-2-1-A
Laboratory   : Meridian
Injection Date   : 7/19/2021 8:17:49 PM
Vial #   : 25
Method Filename   : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2086	98229	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219254	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2108	89094	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195768	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
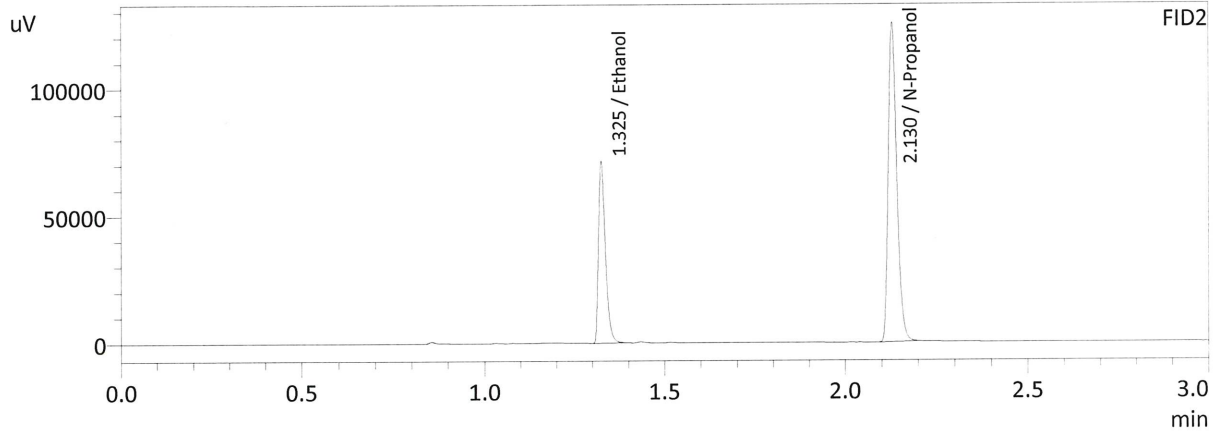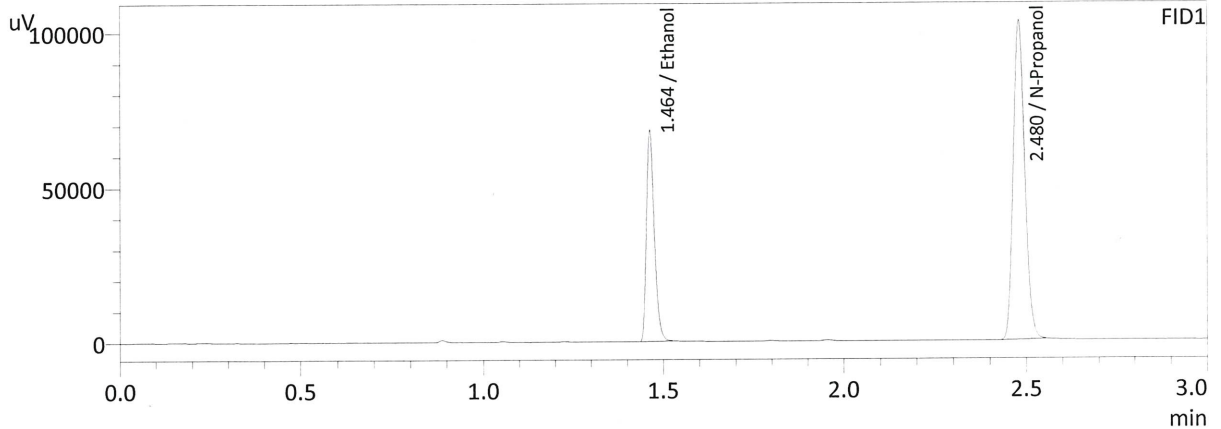
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2102	103952	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230159	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	94269	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205686	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s): 7/19/21**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0782	0.0793	0.0011	0.0787	0.0003	0.0788
(g/100cc)	0.0784	0.0796	0.0012	0.0790		

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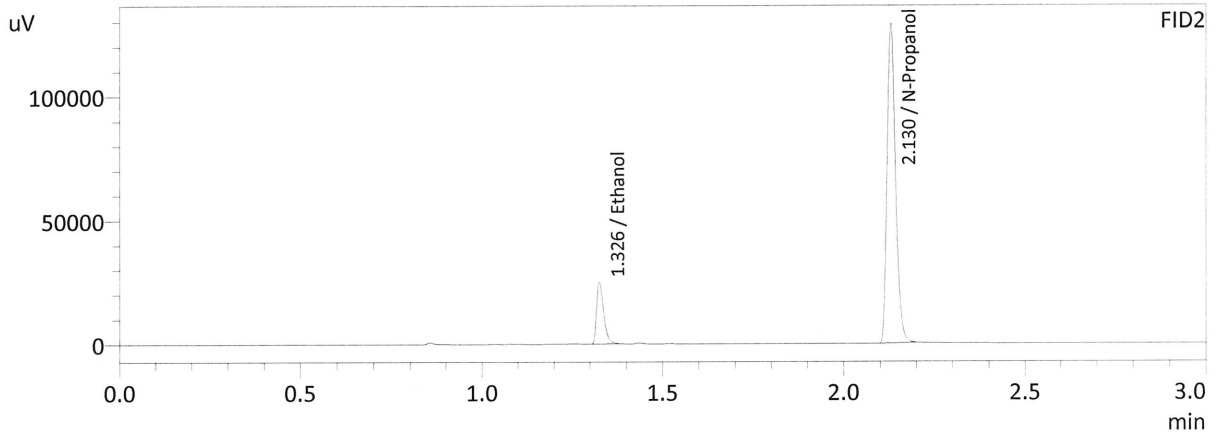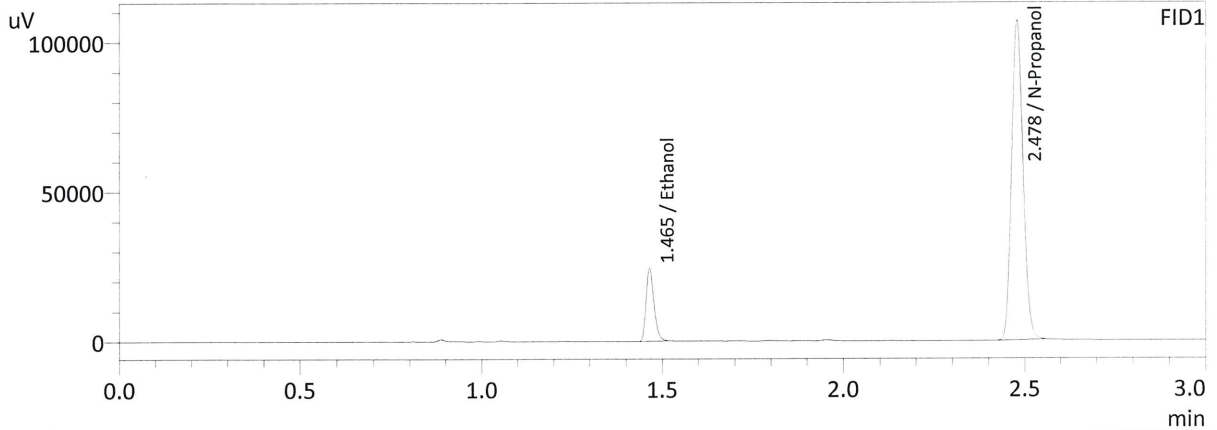
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 7/19/2021 11:12:26 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0782	37426	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237111	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	33750	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211651	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : QC1-2-B
Laboratory   : Meridian
Injection Date   : 7/19/2021 11:22:31 PM
Vial #   : 48
Method Filename   : C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
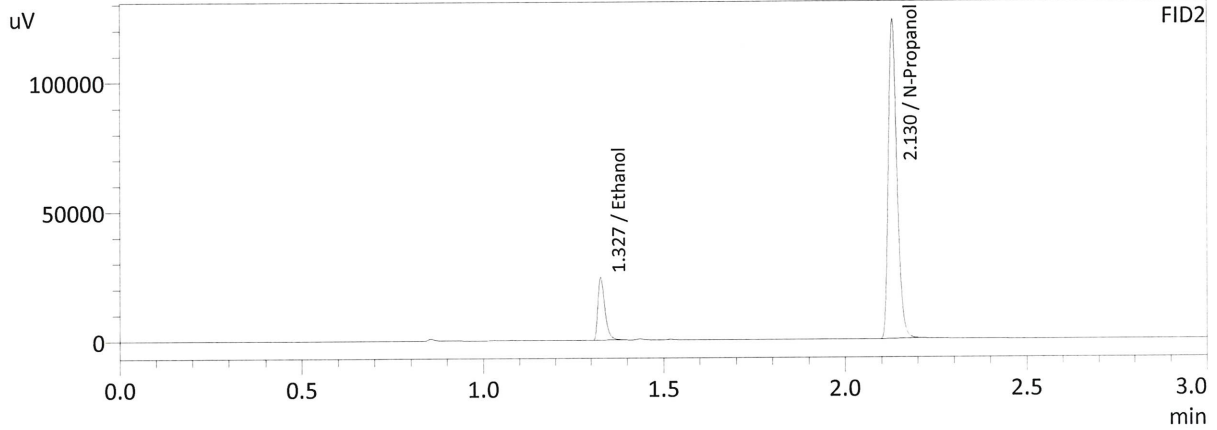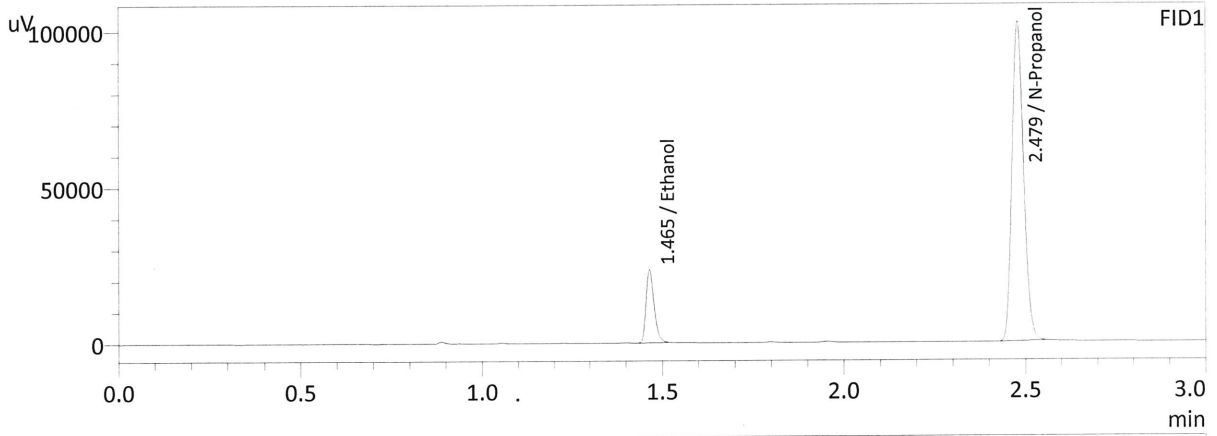Instrument #GC/HS   : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0784	36063	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227827	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	32554	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203065	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s):** 7/19/21 7/20/21 NB 7/20/21

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2100	0.2122	0.0022	0.2111	0.0001	0.2111
(g/100cc)	0.2100	0.2124	0.0024	0.2112		

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
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

Revision: 3
Issue Date: 12/28/2020
Issuing Authority: Quality Manager
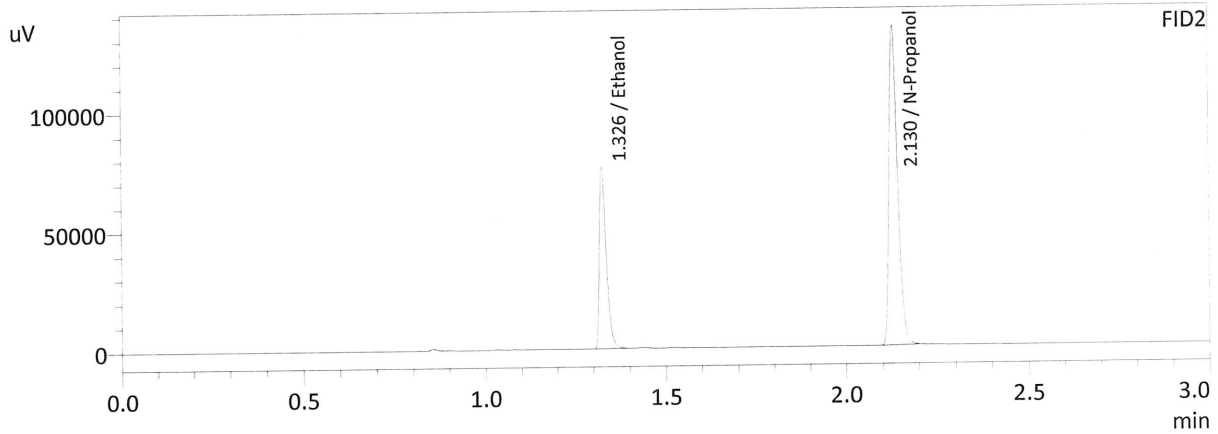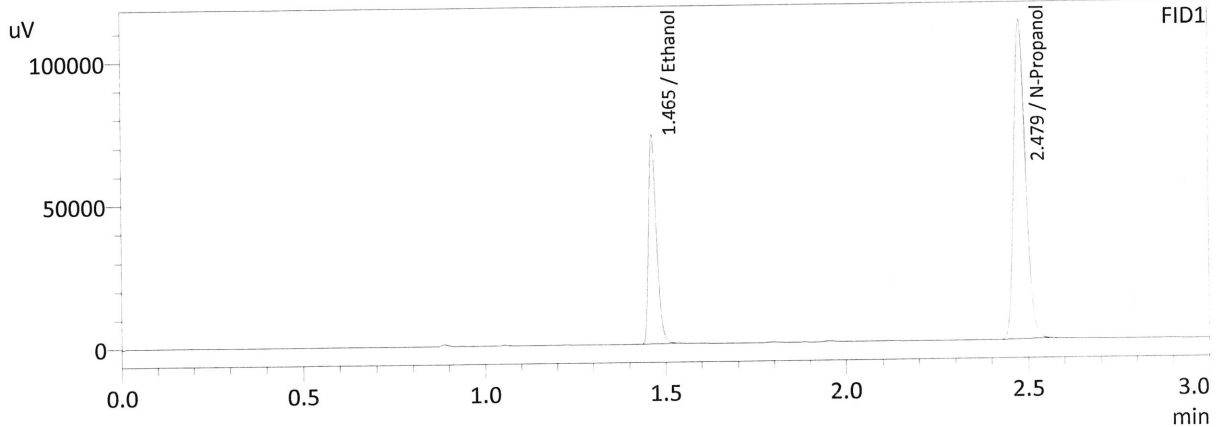
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2100	111282	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	246610	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	100940	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220262	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
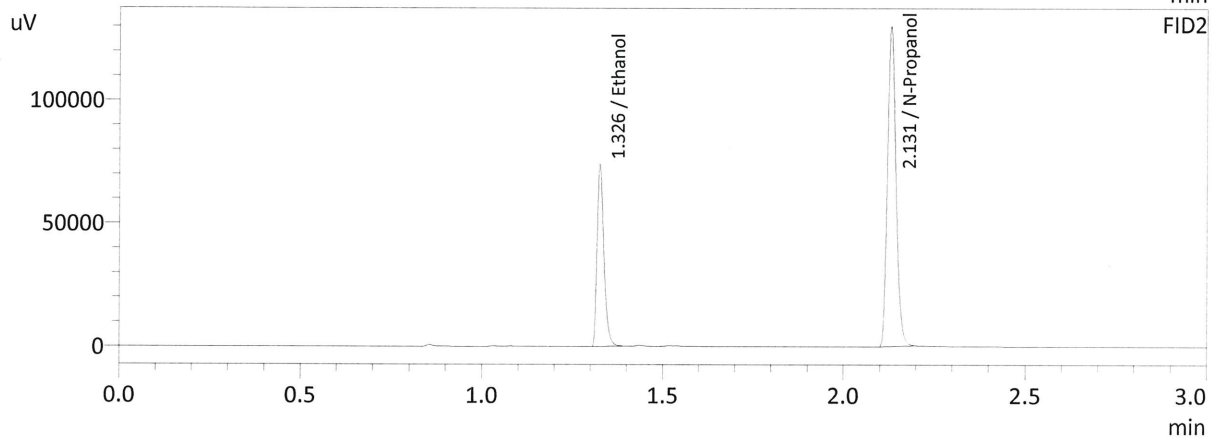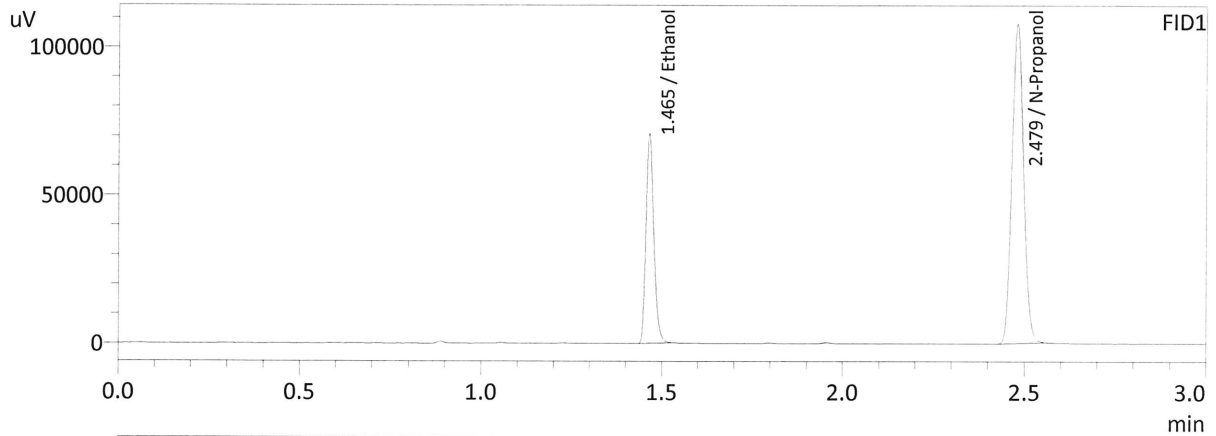
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2100	107968	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239228	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2124	97903	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213392	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
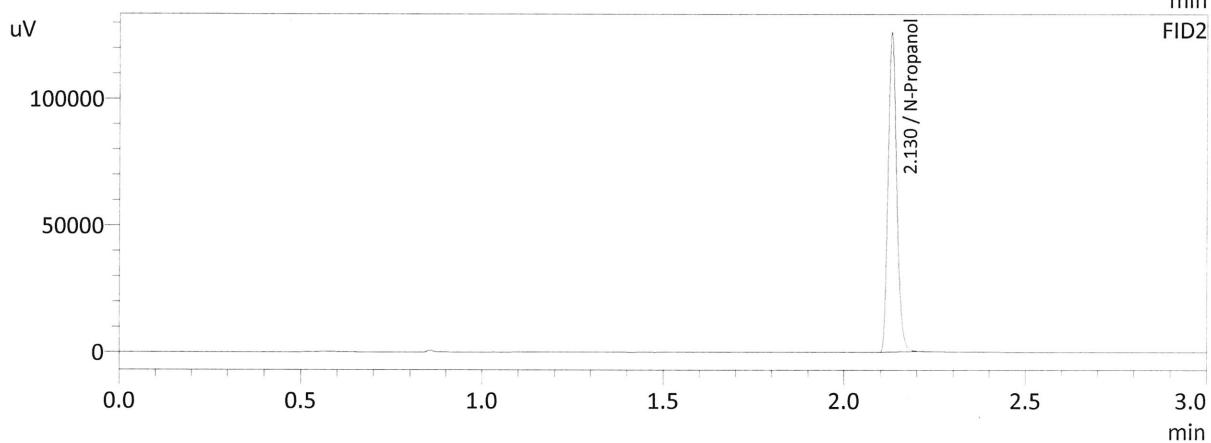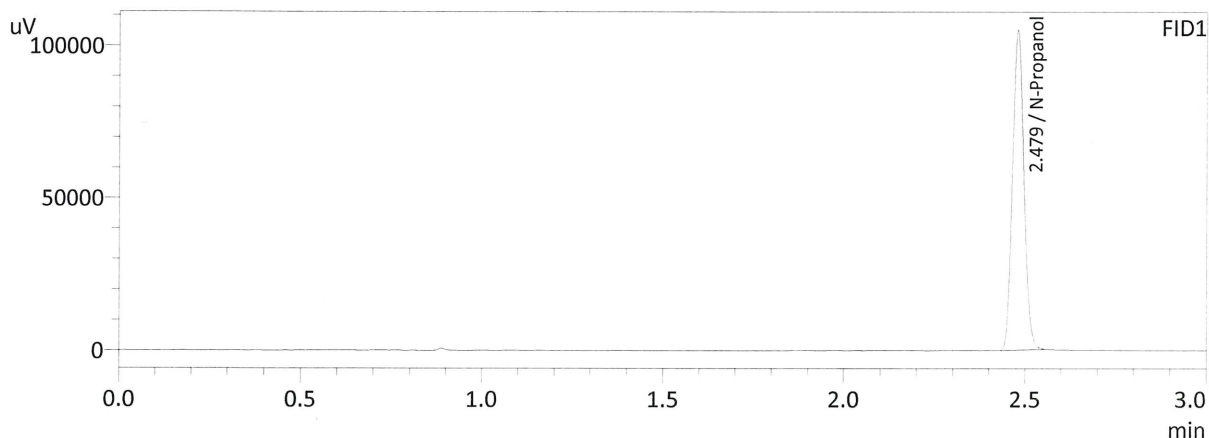
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232387	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	207302	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99
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Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
7	M2021-3079-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
8	M2021-3079-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
9	M2021-3080-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
10	M2021-3080-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
11	M2021-3105-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
12	M2021-3105-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
13	M2021-3106-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
14	M2021-3106-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
15	M2021-3107-1A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
16	M2021-3107-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
17	M2021-3108-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
18	M2021-3108-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
19	M2021-3109-1A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
20	M2021-3109-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
21	M2021-3110-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
22	M2021-3110-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
23	M2021-3117-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
24	M2021-3117-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
27	M2021-3118-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
28	M2021-3118-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
29	M2021-3119-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
30	M2021-3119-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
31	M2021-3135-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
32	M2021-3135-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
33	M2021-3136-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
34	M2021-3136-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
35	M2021-3142-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
36	M2021-3142-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
37	M2021-3143-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
38	M2021-3143-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
39	M2021-3143-2-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
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41	M2021-3143-3-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
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44	M2021-3143-4-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
45	M2021-3143-5-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
46	M2021-3143-5-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
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48	QC1-2-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
49	M2021-3143-6-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
50	M2021-3143-6-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
51	M2021-3148-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
52	M2021-3148-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
53	M2021-3167-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
54	M2021-3167-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
55	M2021-3176-1-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
56	M2021-3176-1-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
57	QC2-2-A	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
58	QC2-2-B	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM
59	INT STD BLNK	C:\LabSolutions\Data\210719\CALIBRATION\ALCOHOL.GCM