

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): 11/22/22

Calibration Date: (if different) 11/22/22

Worklist #: 6174

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0699 g/100cc	
					0.0741 g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2189 g/100cc	
					0.2197 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			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	0.0474	0.0476	0.0002	0.0475
100	0.100	0.090 - 0.110	0.0996	0.0994	0.0002	0.0995
200	0.200	0.180 - 0.220	0.2033	0.2032	0.0001	0.2032
300	0.300	0.270 - 0.330	0.3014	0.3015	1E-04	0.3014
400	0.400	0.360 - 0.440	N/A	N/A	#####	#DIV/0!
500	0.500	0.450 - 0.550	0.4981	0.4980	1E-04	0.498

Aqueous Controls

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

REVIEWED

By Jeremy Johnston at 6:50 pm, Nov 24, 2022

JG

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #:	6174	Run Date(s):	11/22/22
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Internal Standard Solution:	Prep Date: 8/31/2022	Exp Date: 2/31/23
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Sample Name	Column 1 Value	Column 2 Value
0.080	189149	206141
0.080	189716	206642
QC1	191431	208567
QC1	195240	212708
QC1	236414	258127
QC1	236692	258263
QC1		
QC1		
QC2	209989	229017
QC2	213080	232284
QC2	252404	275367
QC2	262620	286202
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	217673.5	174138.8	261208.2
Column 2	237331.8	189865.4	284798.2






















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Revision: 5

Issue Date: 07/05/2022

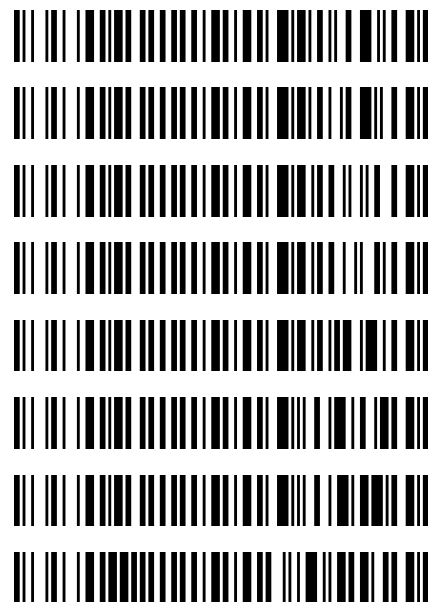
Issuing Authority: Quality Manager

Worklist: 6174

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-4629	1	BCK	Alcohol Analysis	
M2022-4633	1	BCK	Alcohol Analysis	
M2022-4638	1	BCK	Alcohol Analysis	
M2022-4641	1	BCK	Alcohol Analysis	
M2022-4658	1	BCK	Alcohol Analysis	
M2022-4666	1	BCK	Alcohol Analysis	
M2022-4667	1	BCK	Alcohol Analysis	
M2022-4675	1	BCK	Alcohol Analysis	
M2022-4676	1	BCK	Alcohol Analysis	
M2022-4679	1	BCK	Alcohol Analysis	
M2022-4680	1	BCK	Alcohol Analysis	
M2022-4701	1	BCK	Alcohol Analysis	
M2022-4702	1	BCK	Alcohol Analysis	
M2022-4703	1	BCK	Alcohol Analysis	
M2022-4704	1	BCK	Alcohol Analysis	
M2022-4709	2	BCK	Alcohol Analysis	
M2022-4713	1	BCK	Alcohol Analysis	
M2022-4737	1	BCK	Alcohol Analysis	
M2022-4738	1	BCK	Alcohol Analysis	
M2022-4739	1	BCK	Alcohol Analysis	
M2022-4740	1	BCK	Alcohol Analysis	

Worklist: 6174

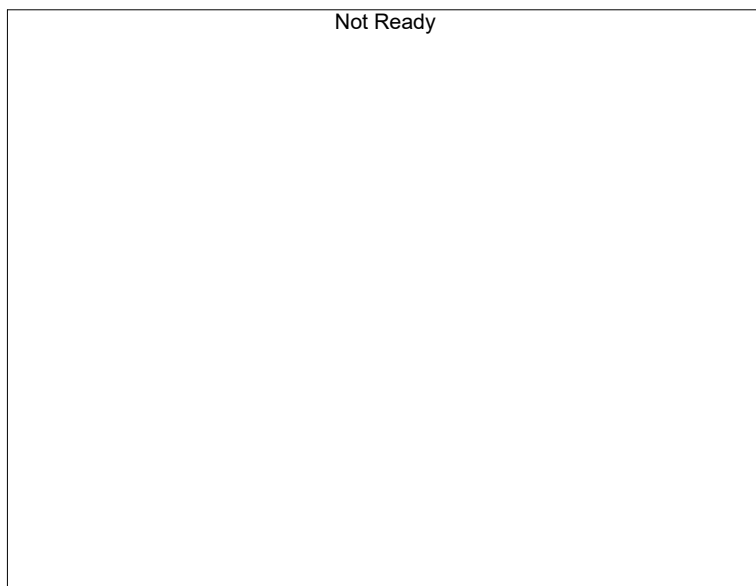
<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-4741	1	BCK	Alcohol Analysis
M2022-4742	1	BCK	Alcohol Analysis
M2022-4757	1	BCK	Alcohol Analysis
M2022-4758	1	BCK	Alcohol Analysis
M2022-4759	1	BCK	Alcohol Analysis
M2022-4816	1	BCK	Alcohol Analysis
M2022-4817	1	BCK	Alcohol Analysis
P2022-3374	1	BCK	Alcohol Analysis



Calibration Table

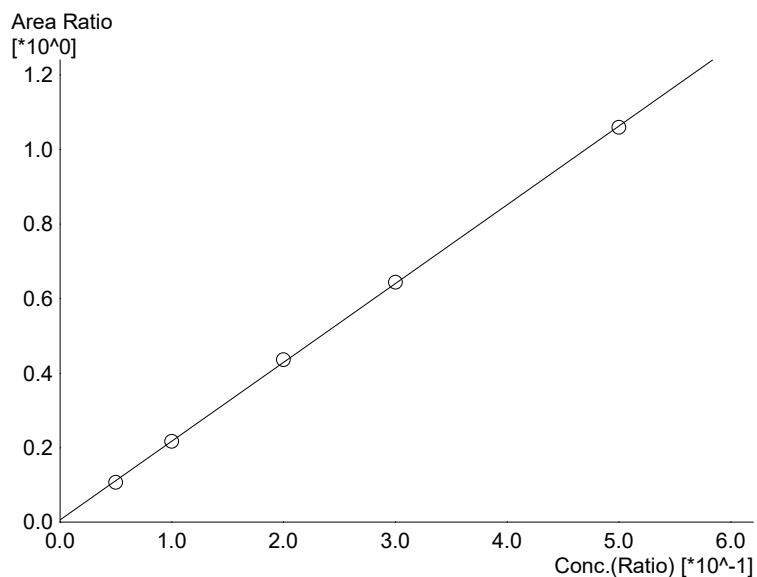
Laboratory : MERIDIAN
 Instrument Name : GC-HS
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
 Method File : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL_GCM
 Batch File : C:\LabSolutions\Data\221122\CALIBRATION\CALCURVE_TEMPLATE.gcb
 Date Acquired : 11/22/2022 2:36:29 PM
 Date Created : 11/22/2022 2:31:08 PM
 Date Modified : 11/22/2022 2:39:31 PM



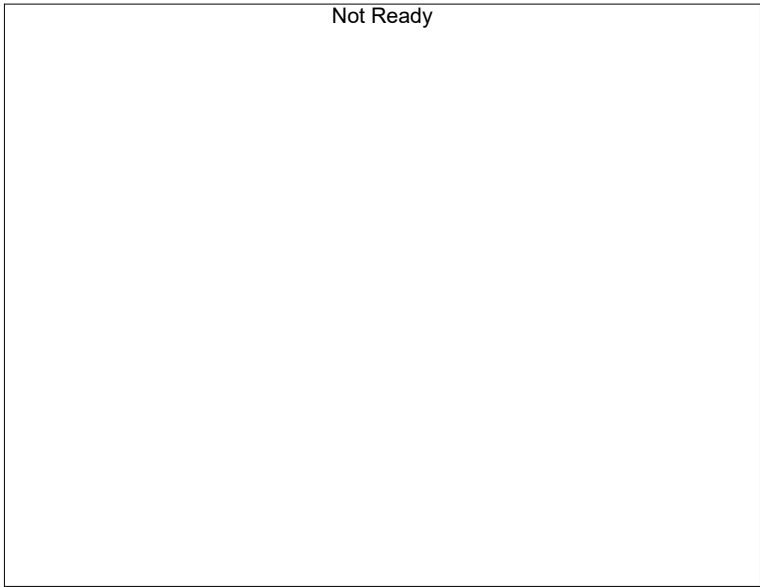
Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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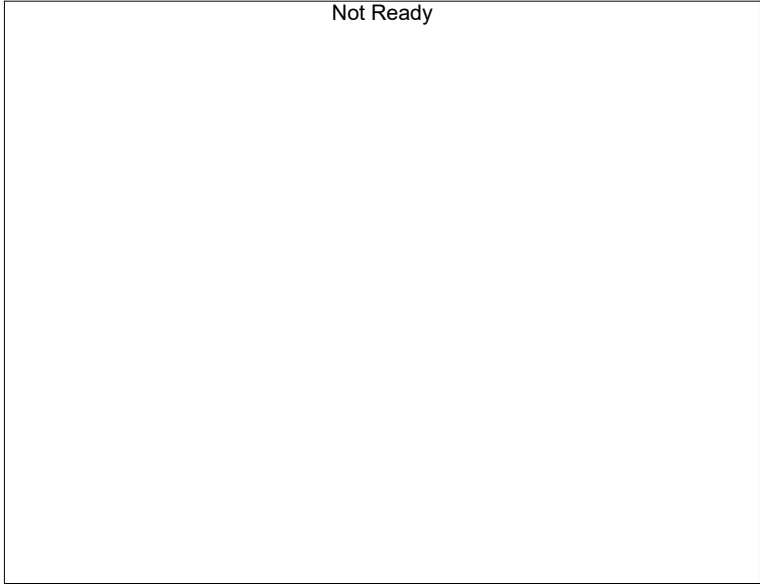
Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.11292*x+0.00633554$
 R² value= 0.9998194
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21371	0.0474
2	0.100	42899	0.0996
3	0.200	83283	0.2033
4	0.300	124281	0.3014
5	0.500	212169	0.4981



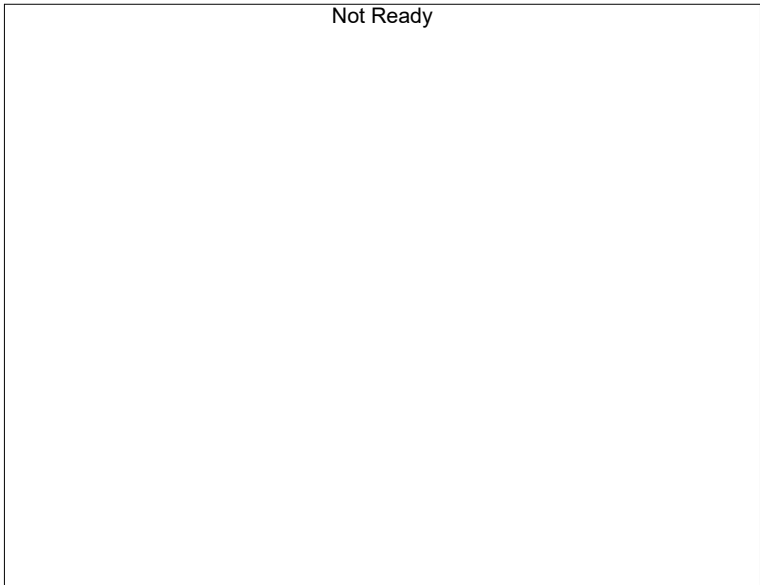
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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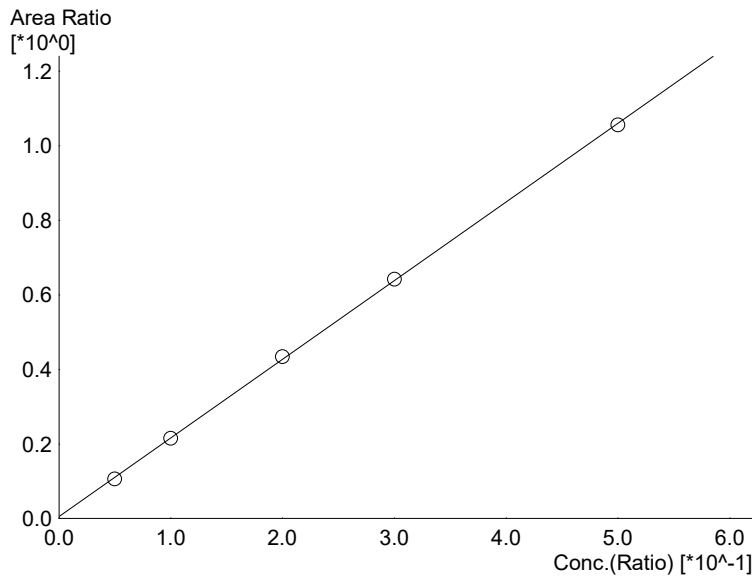
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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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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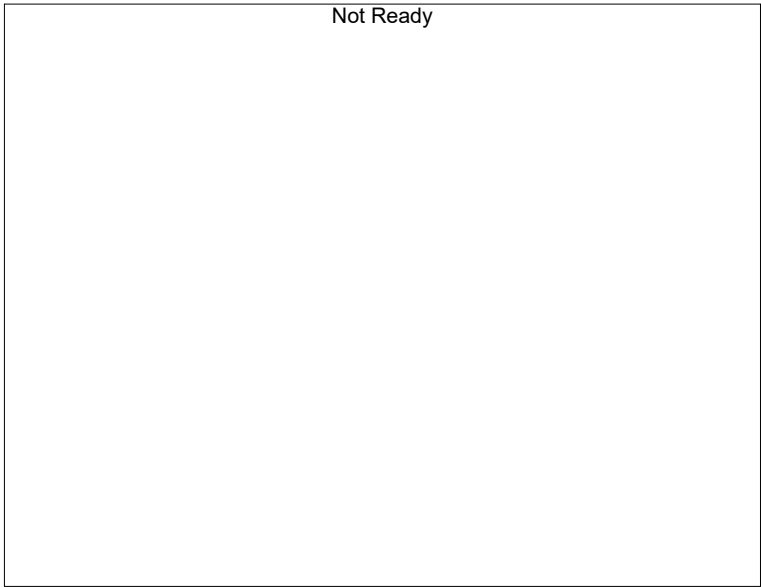
Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.10884*x+0.00577663$
 R² value= 0.9998225
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	23153	0.0476
2	0.100	46373	0.0994
3	0.200	90256	0.2032
4	0.300	134815	0.3015
5	0.500	229952	0.4980



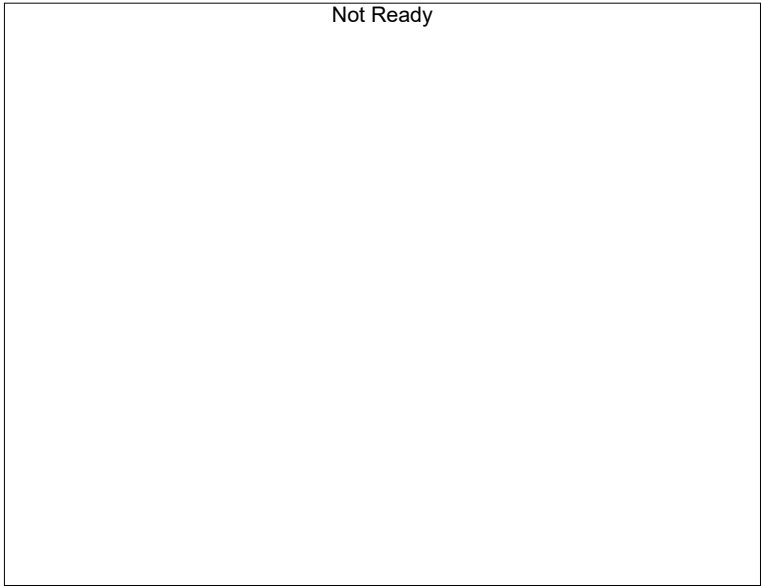
Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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

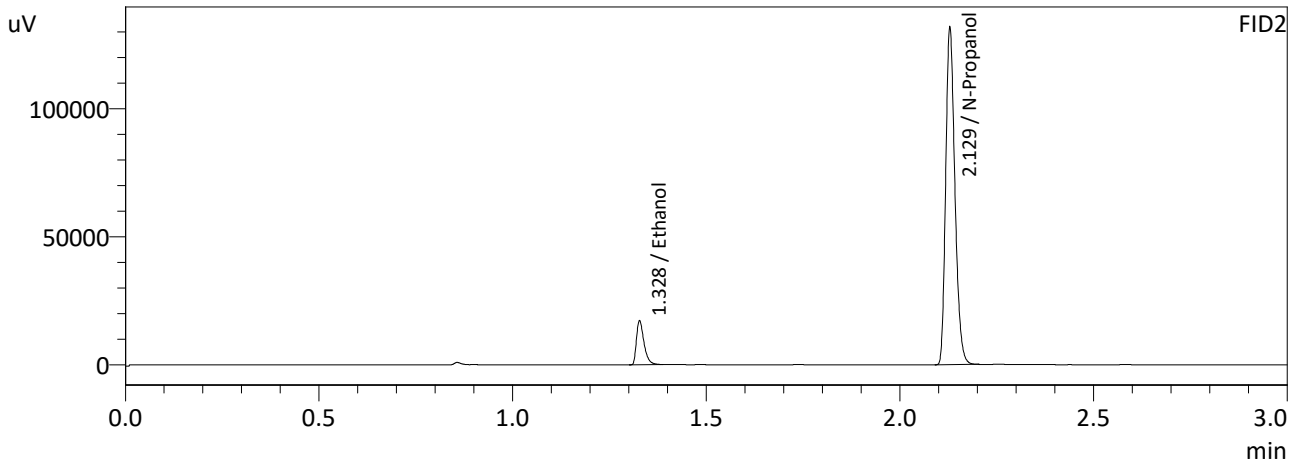
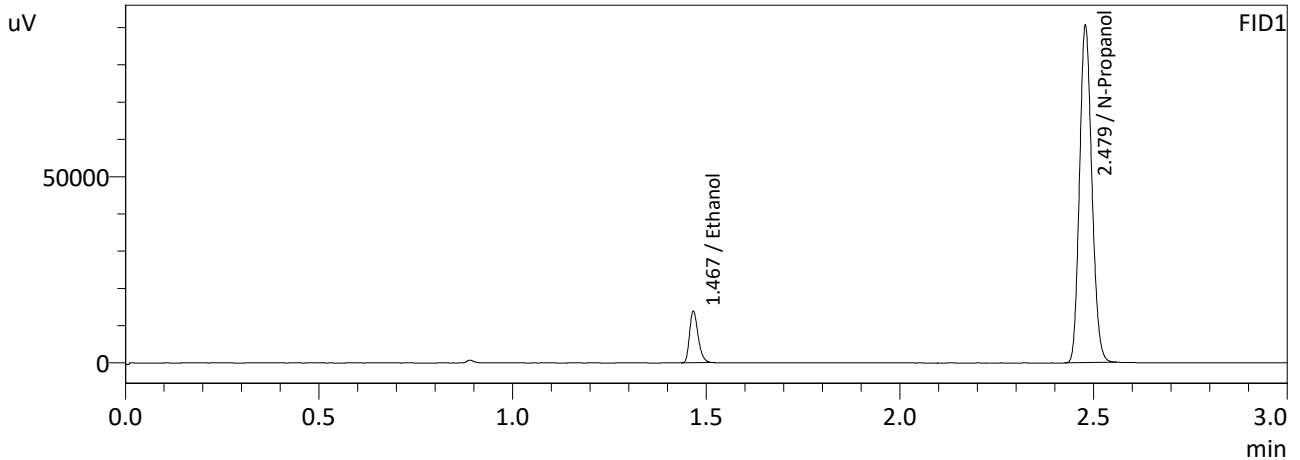
#	Conc.	Area	Std. Conc.
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Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 11/22/2022 1:56:56 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



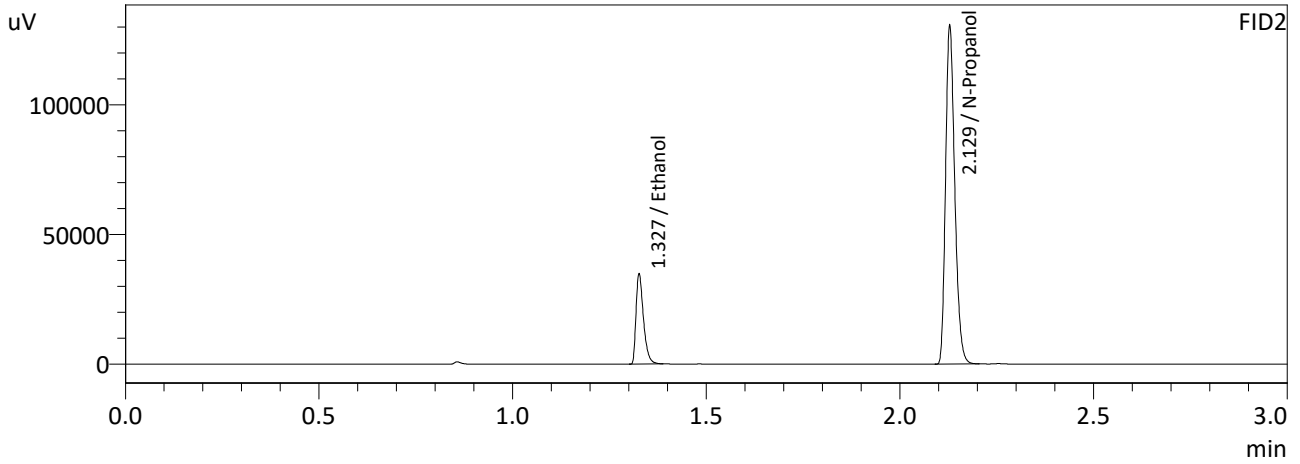
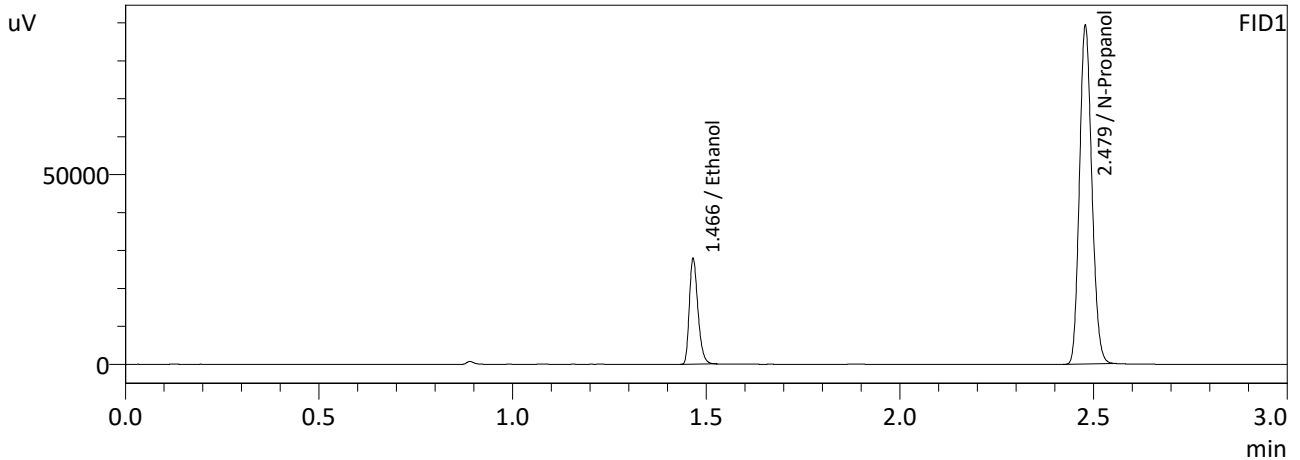
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0474	21371	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0476	23153	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217910	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 11/22/2022 2:04:16 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



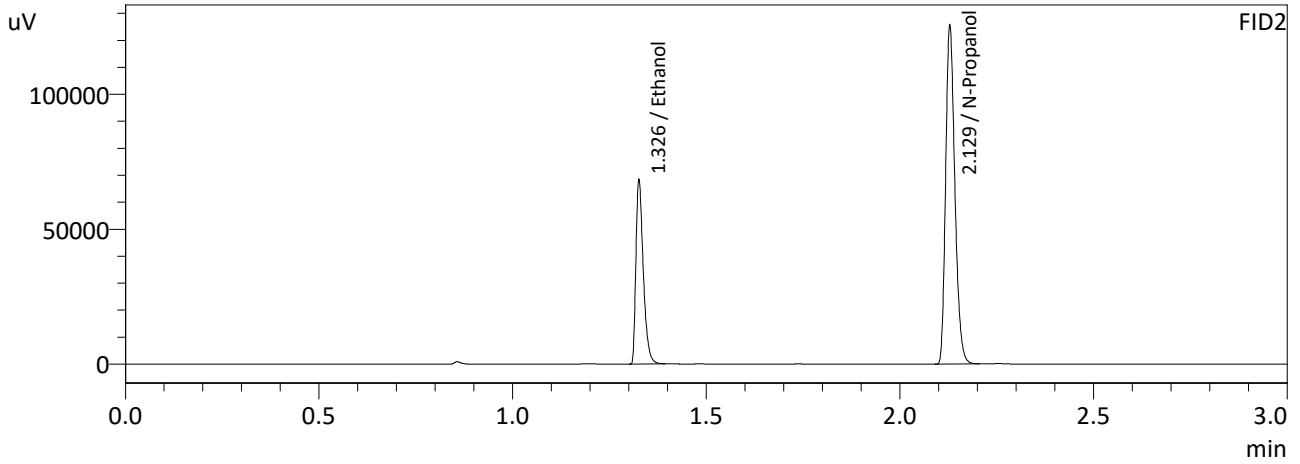
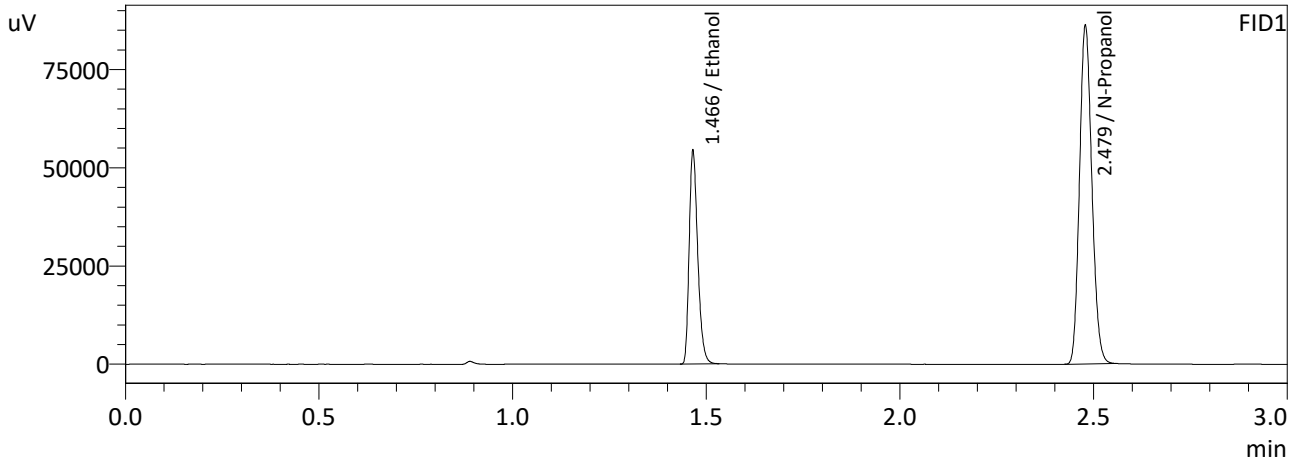
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0996	42899	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197888	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0994	46373	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215277	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 11/22/2022 2:11:36 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



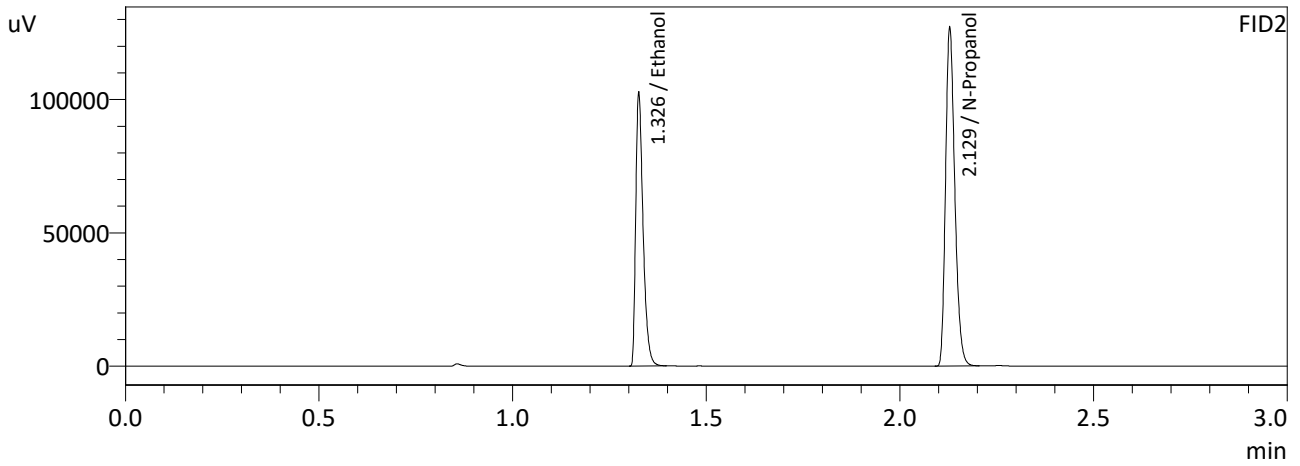
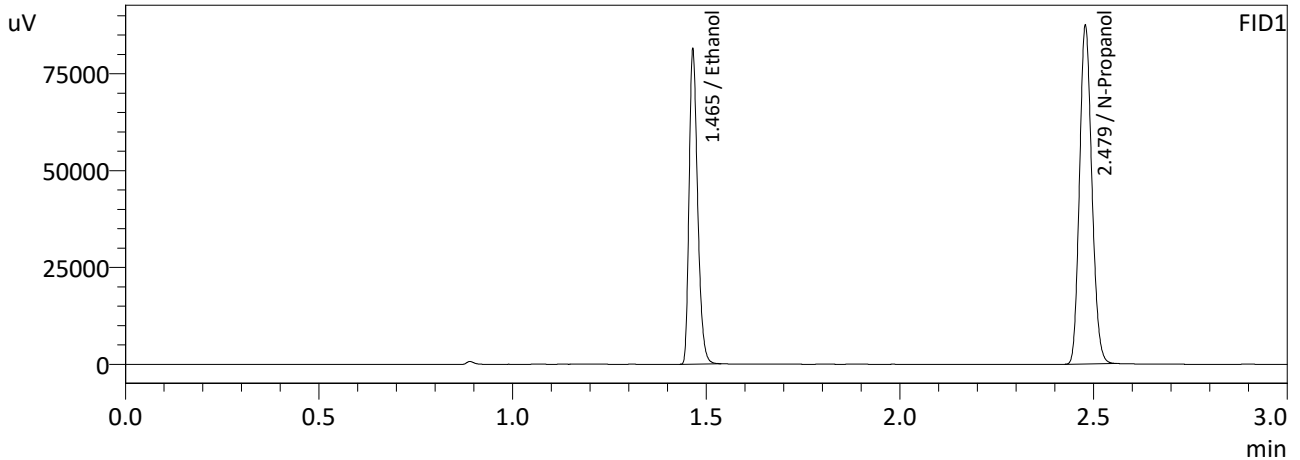
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2033	83283	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191026	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2032	90256	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207754	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 11/22/2022 2:20:28 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



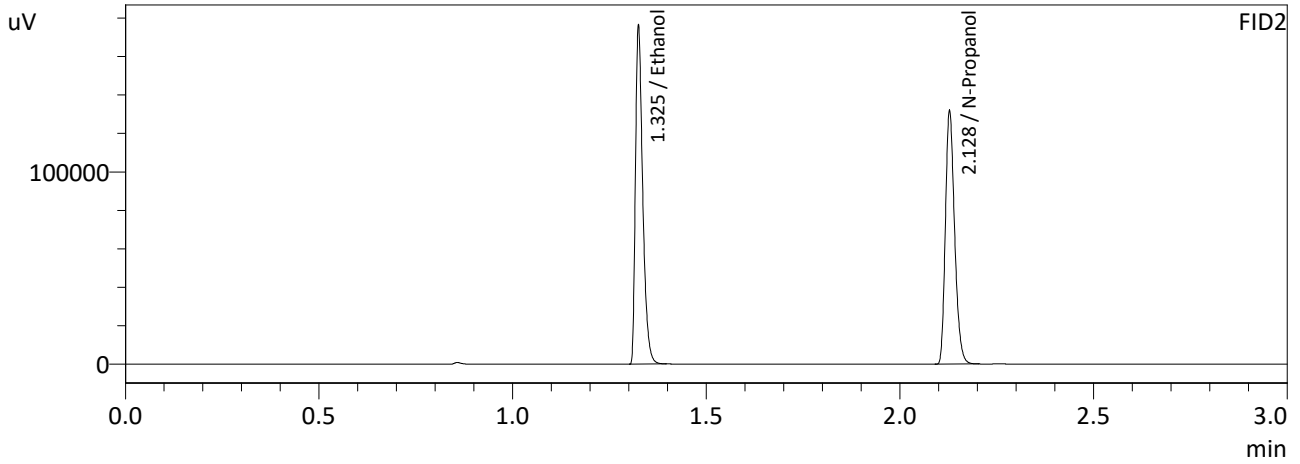
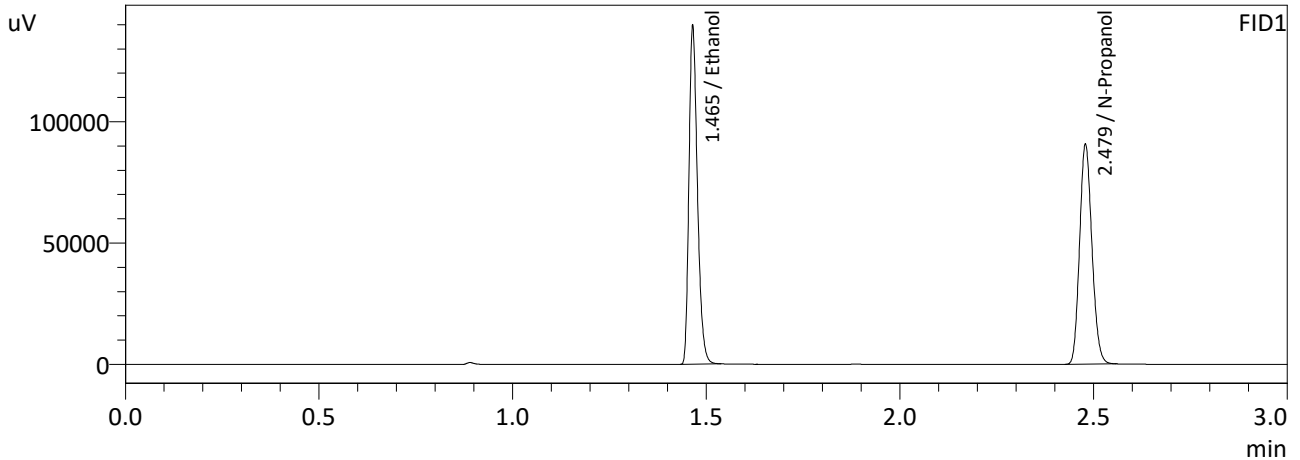
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3014	124281	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193213	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3015	134815	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210068	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 11/22/2022 2:28:01 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



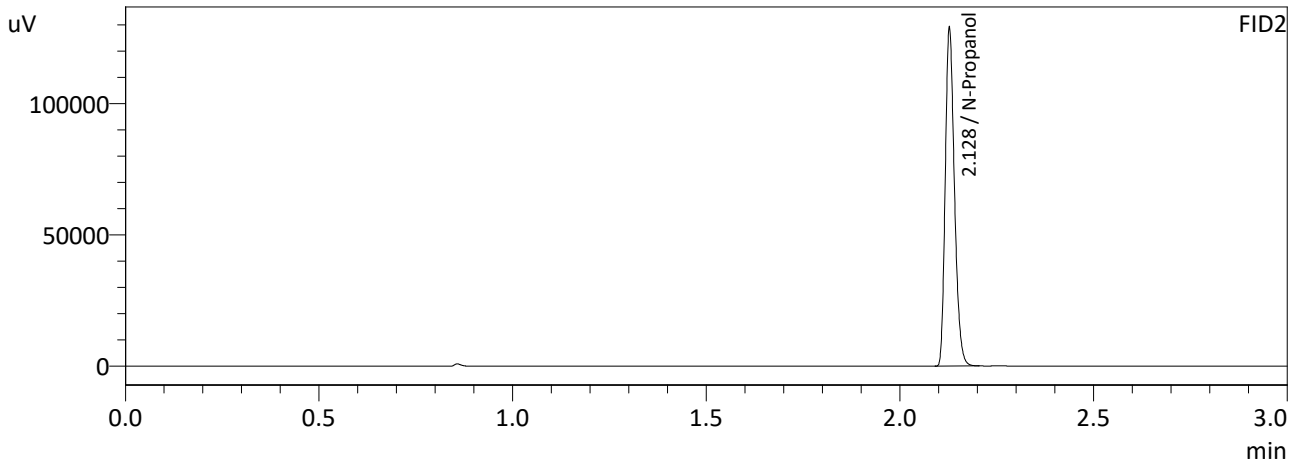
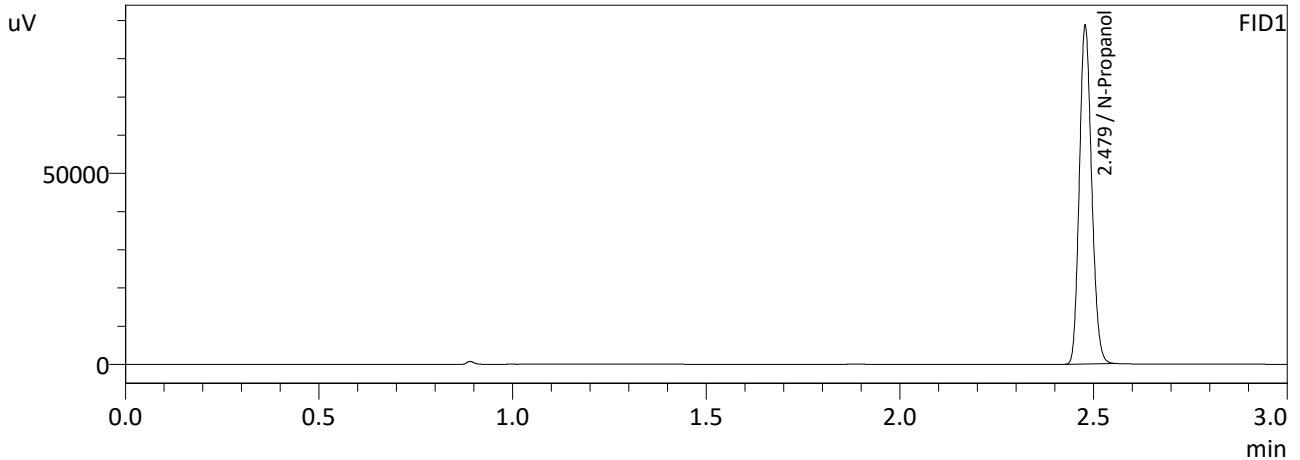
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4981	212169	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200376	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4980	229952	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217720	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 11/22/2022 2:36:29 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\221122\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	195690	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

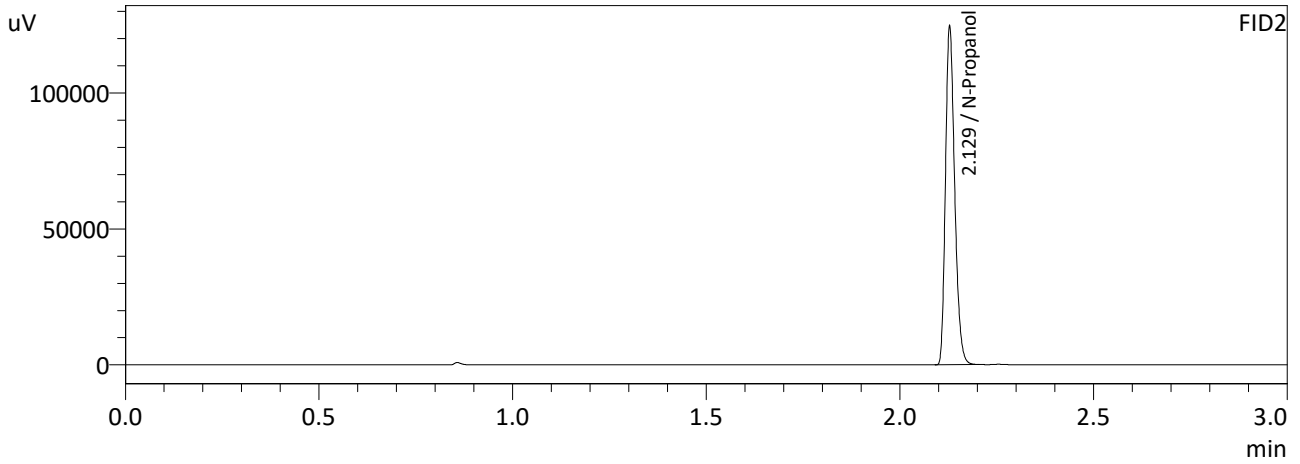
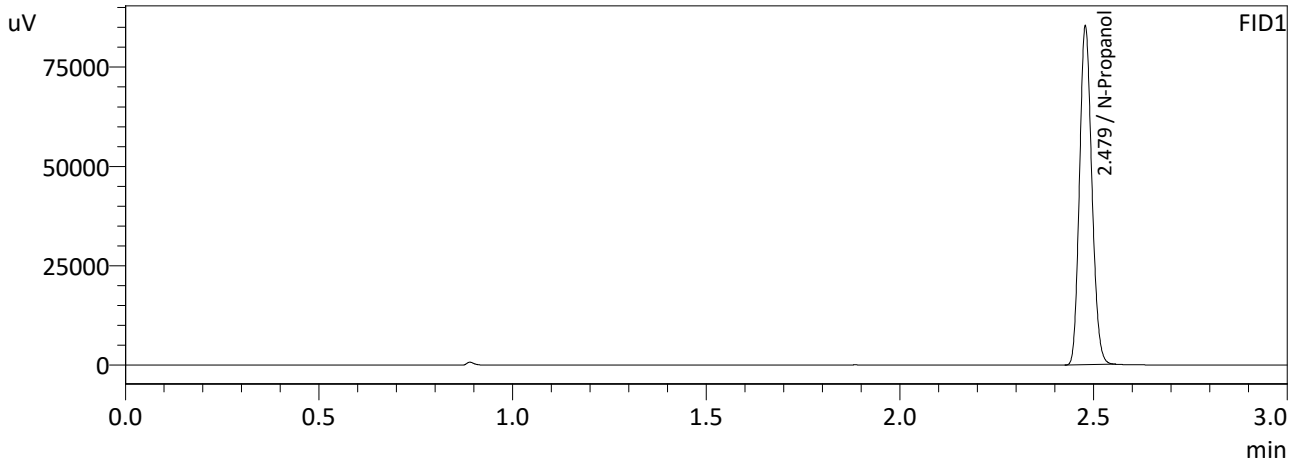
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212948	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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	0.050	ALCOHOL.GCM
2	0.100	ALCOHOL.GCM
3	0.200	ALCOHOL.GCM
4	0.300	ALCOHOL.GCM
5	0.500	ALCOHOL.GCM
6	INT STD BLK	ALCOHOL.GCM

Sample Name : INT STD BLK 1
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:04:50 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



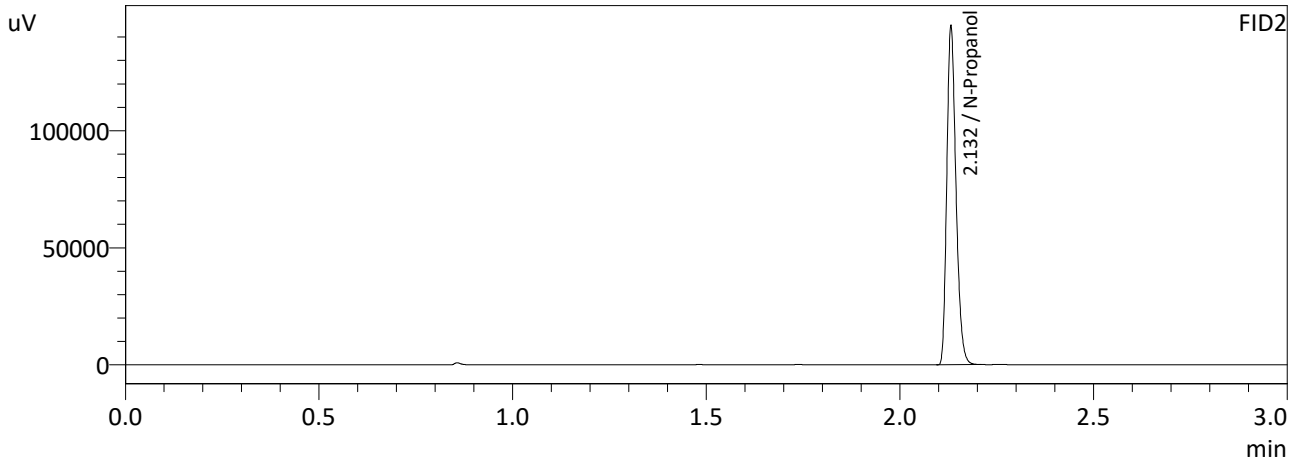
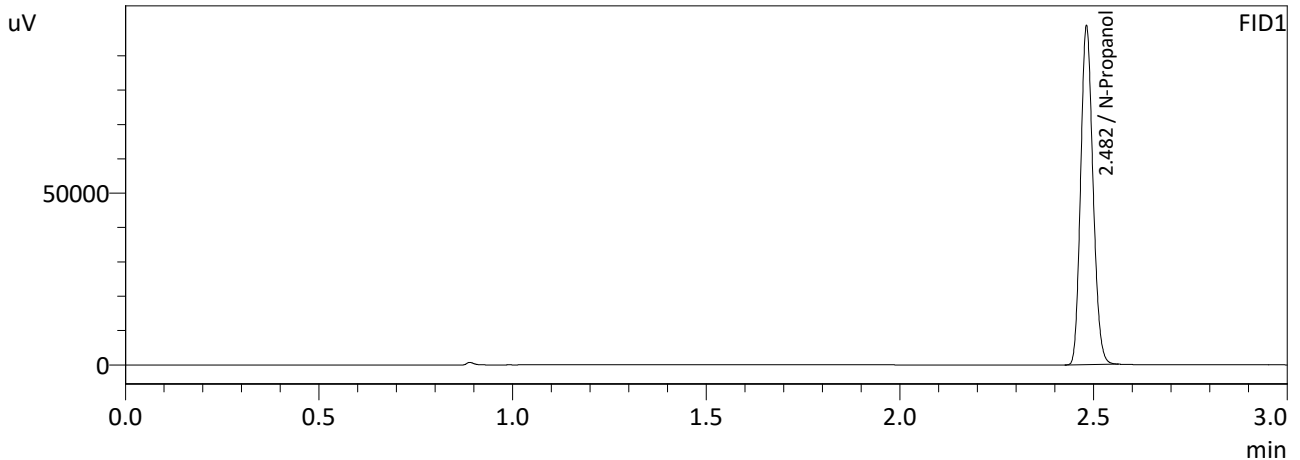
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188666	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	205681	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 11/23/2022 1:35:36 AM
 Vial # : 71
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



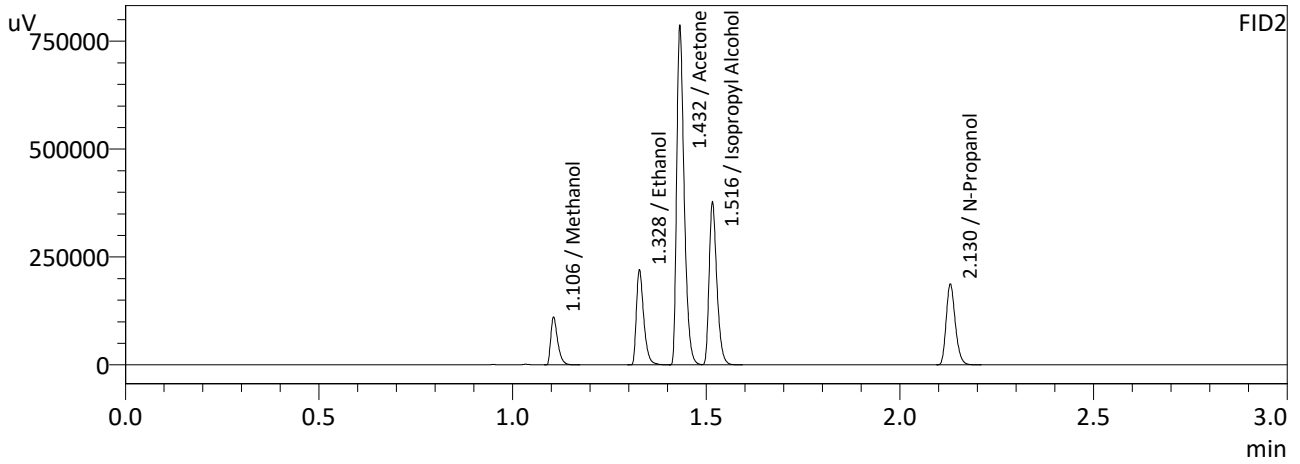
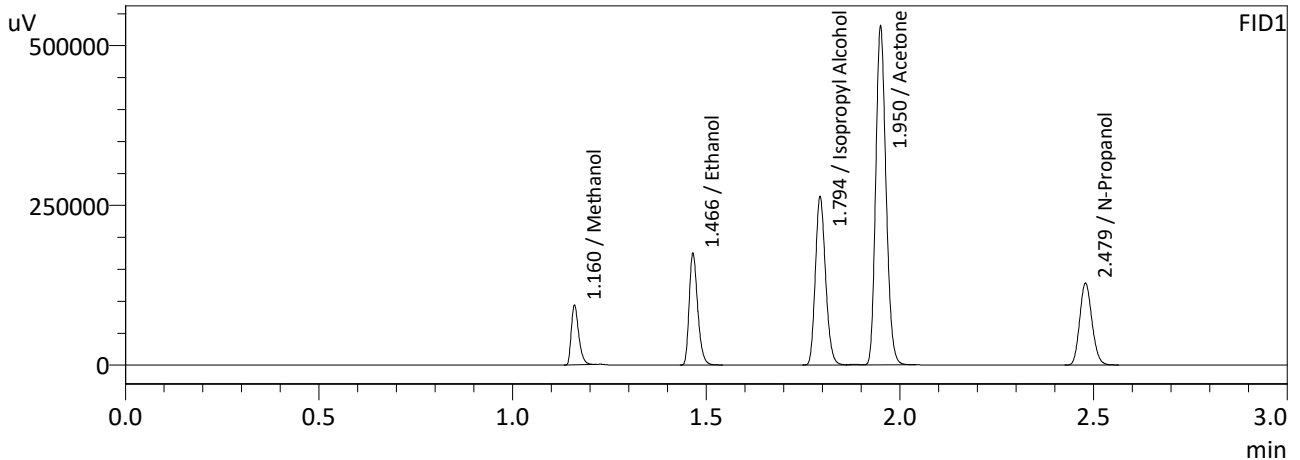
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218267	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	238341	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:12:11 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



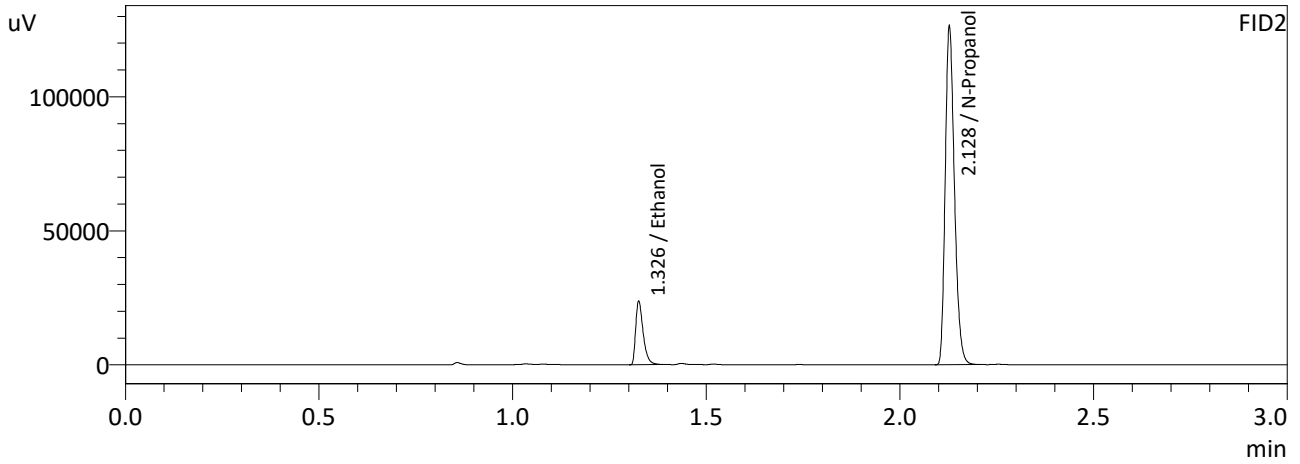
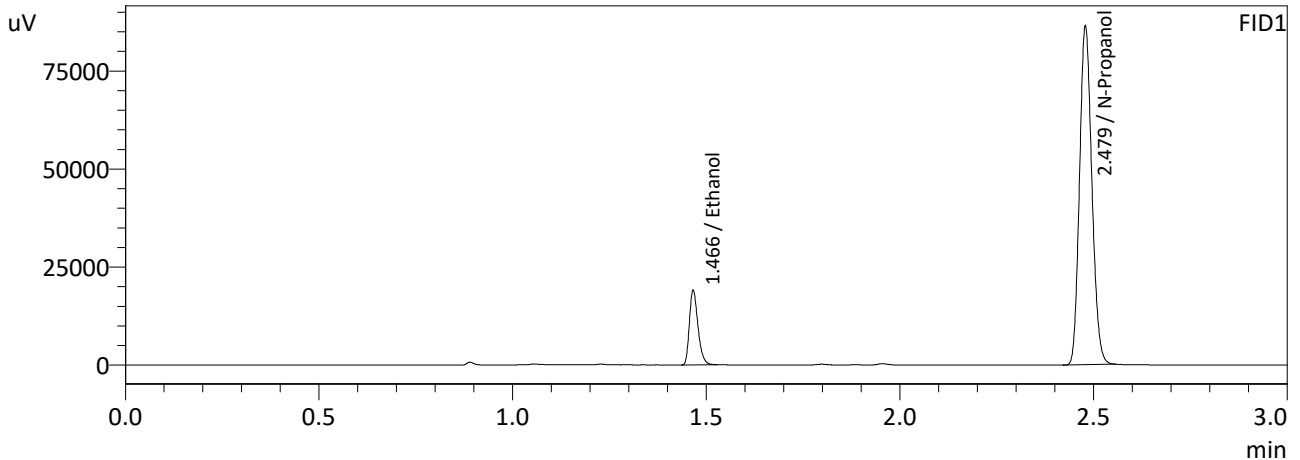
FID1

Name	Conc.	Area	Unit
Methanol	0.0000	125377	g/100cc
Ethanol	0.4437	267089	g/100cc
Isopropyl Alcohol	0.0000	483234	g/100cc
Acetone	0.0000	979109	g/100cc
N-Propanol	0.0000	282934	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	137707	g/100cc
Ethanol	0.4471	291067	g/100cc
Acetone	0.0000	1054464	g/100cc
Isopropyl Alcohol	0.0000	522711	g/100cc
N-Propanol	0.0000	306795	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-A
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:19:33 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



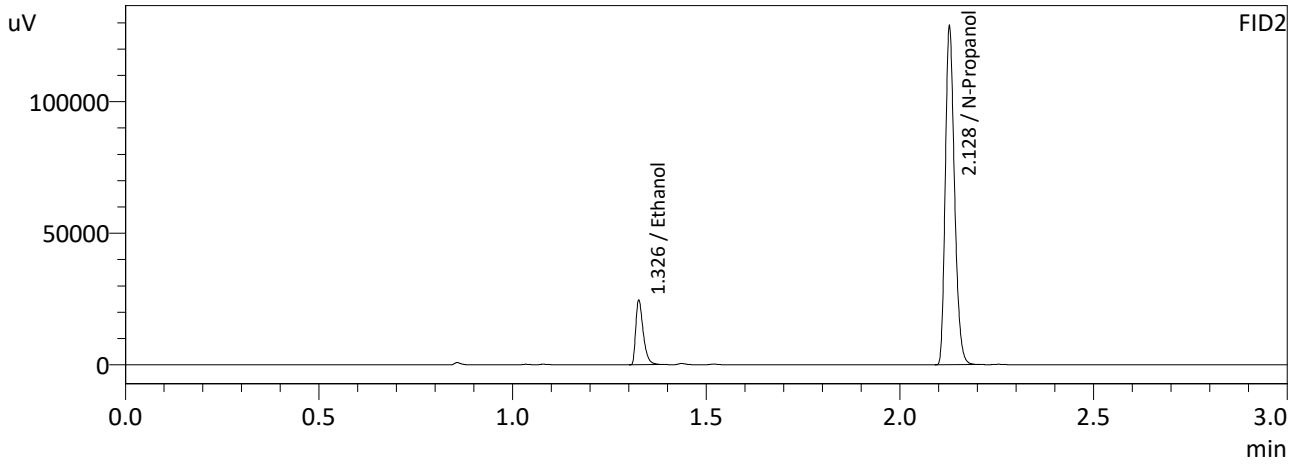
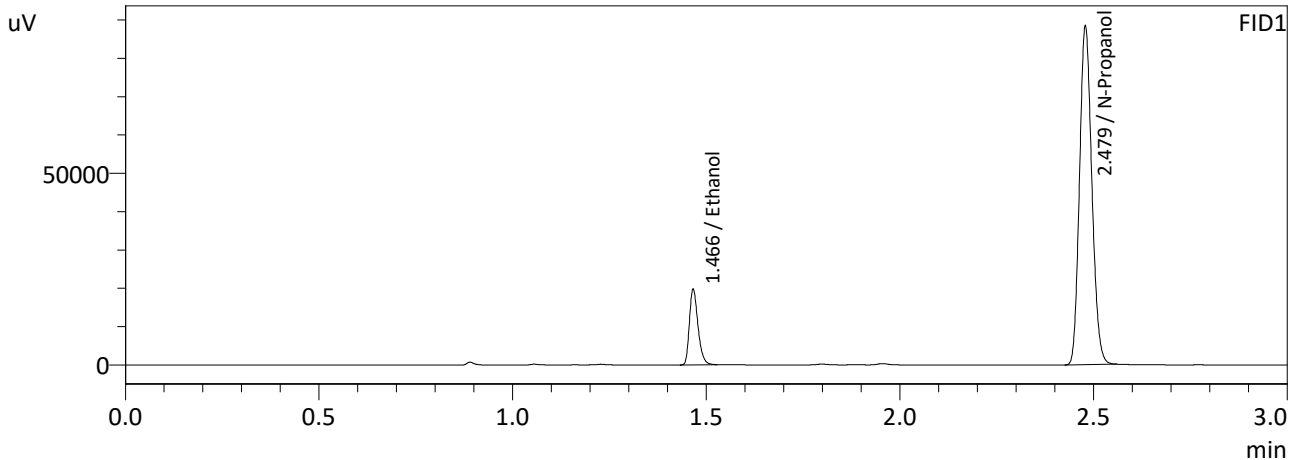
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0693	29282	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191431	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0693	31687	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208567	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:28:22 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



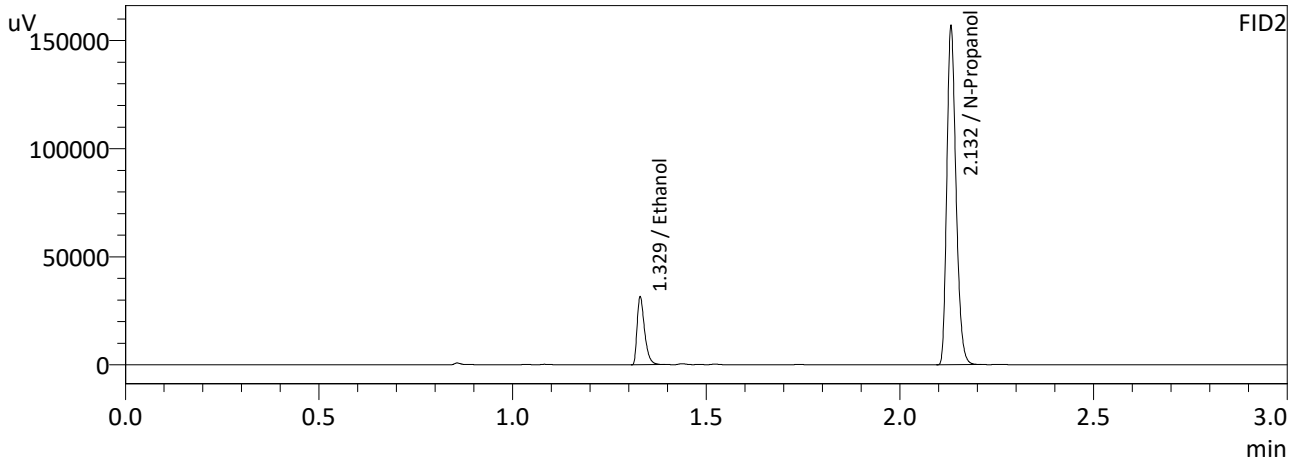
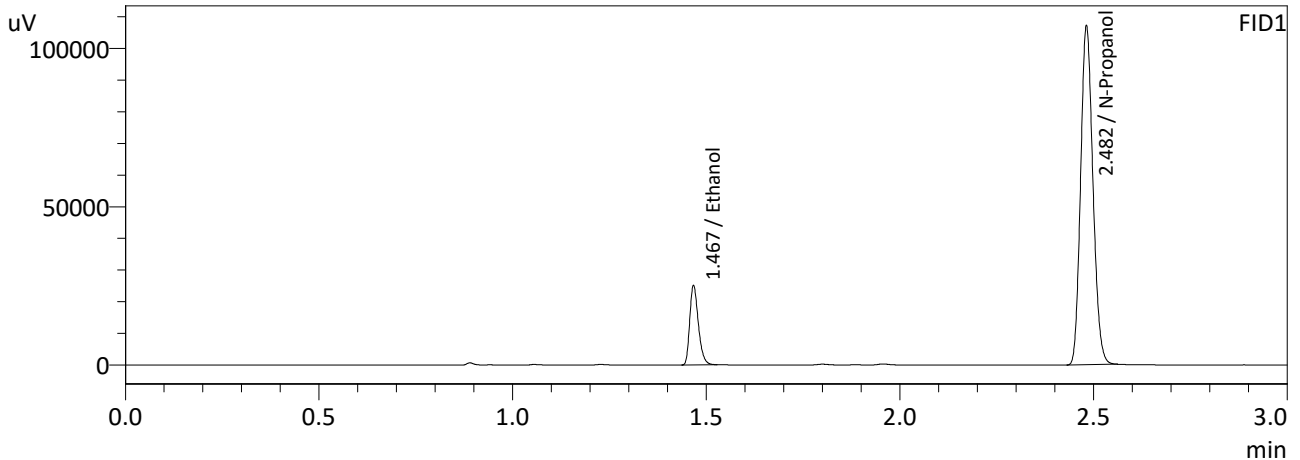
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0706	30362	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195240	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0705	32858	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212708	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : 11/22/2022 10:18:39 PM
 Vial # : 47
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



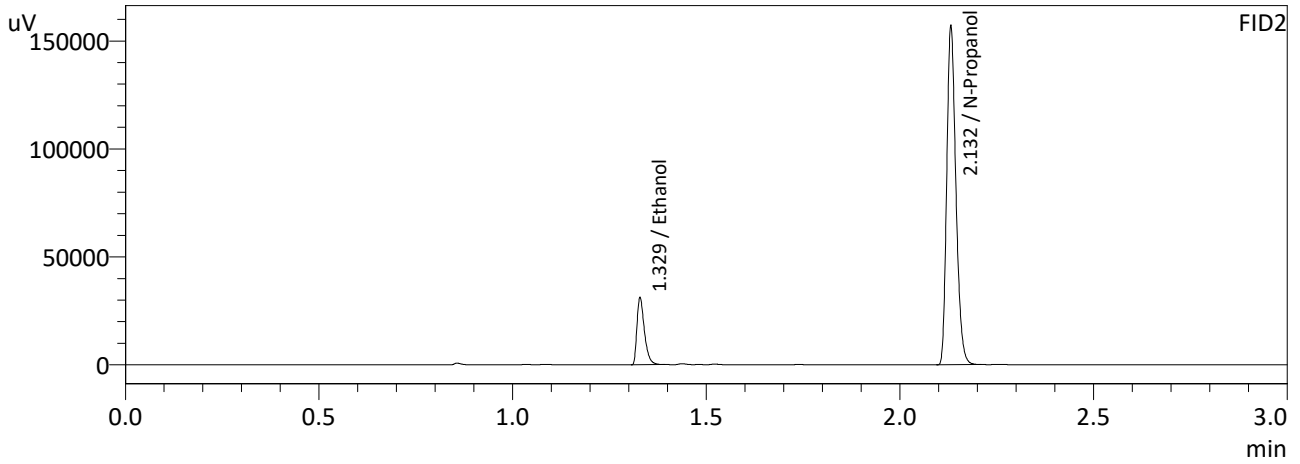
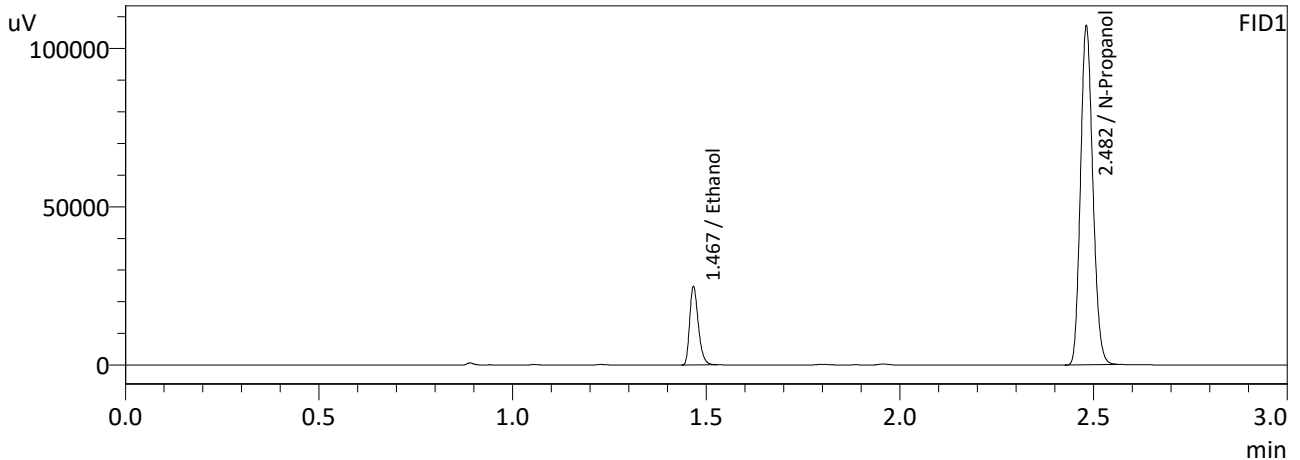
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0746	38791	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236414	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0746	42120	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258127	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : 11/22/2022 10:27:39 PM
 Vial # : 48
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



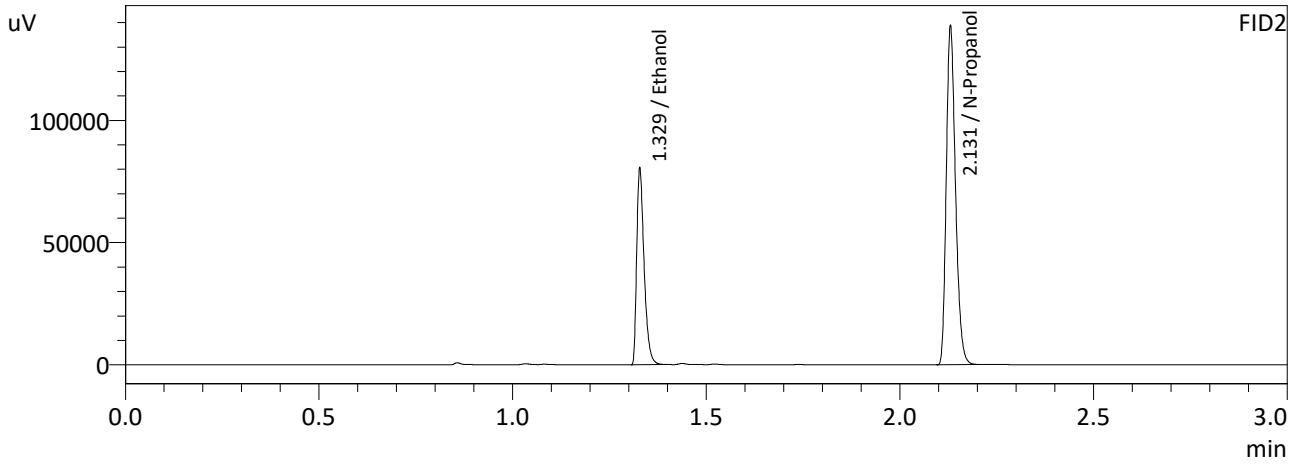
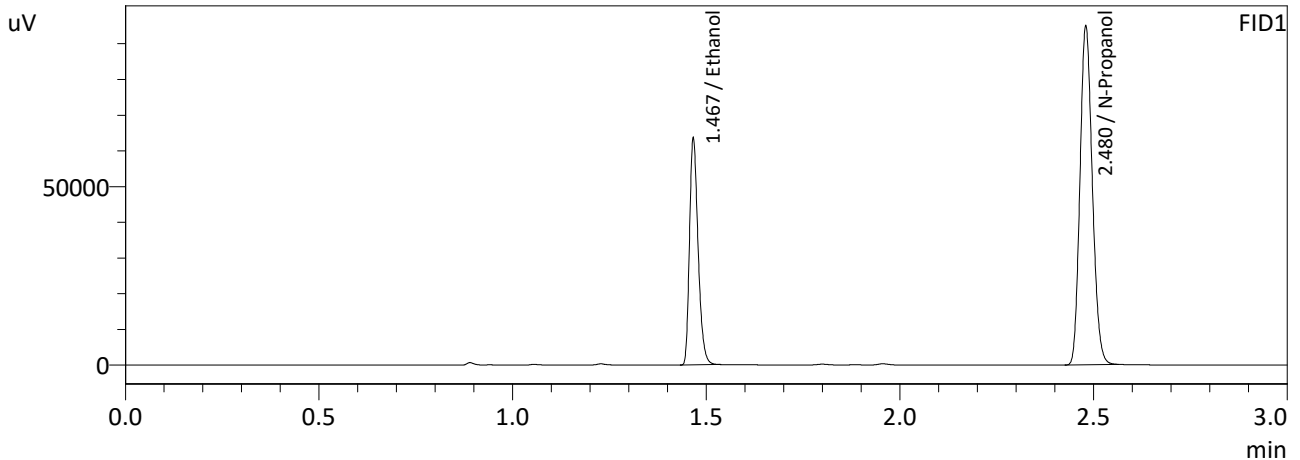
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0737	38406	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236692	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0737	41671	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258263	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-A
 Laboratory : Meridian
 Injection Date : 11/22/2022 7:19:44 PM
 Vial # : 25
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



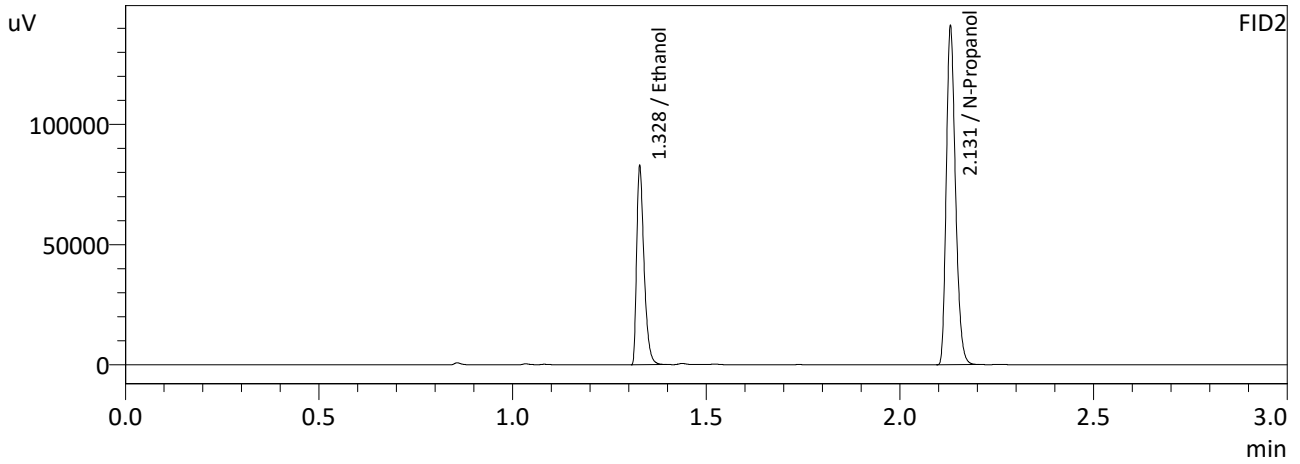
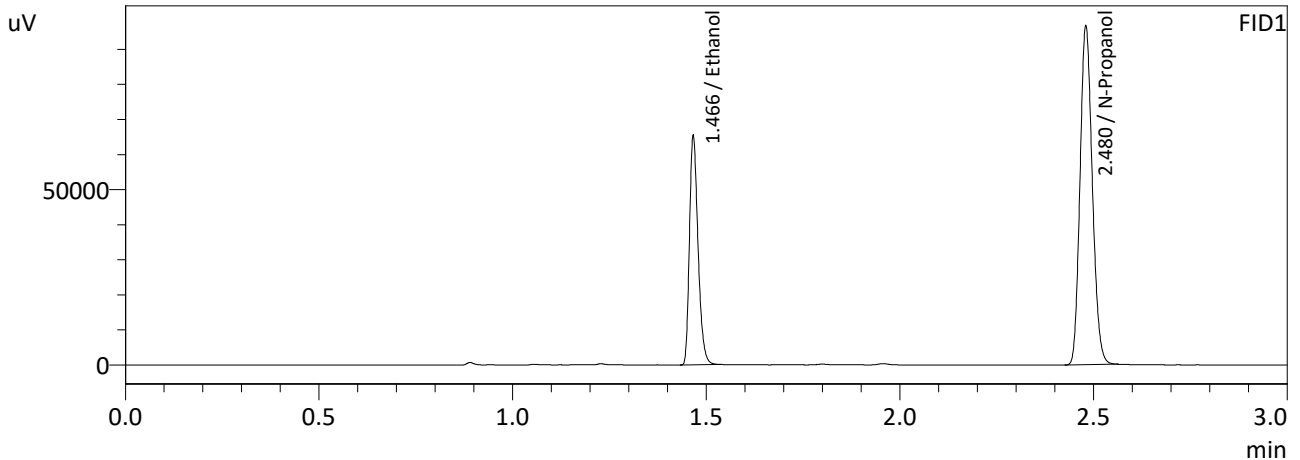
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2175	97835	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209989	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2177	106477	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229017	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 11/22/2022 7:27:28 PM
 Vial # : 26
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



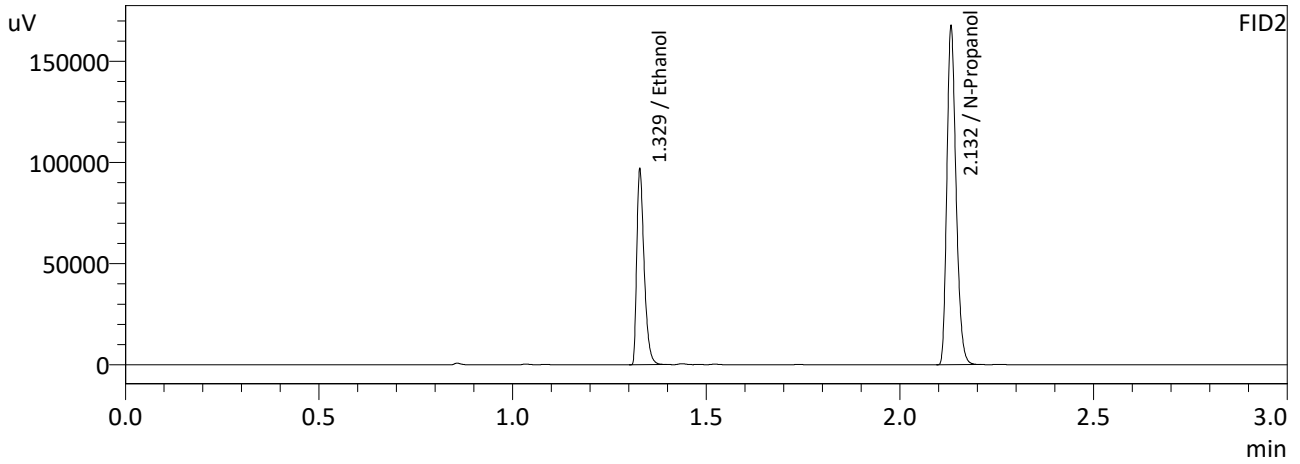
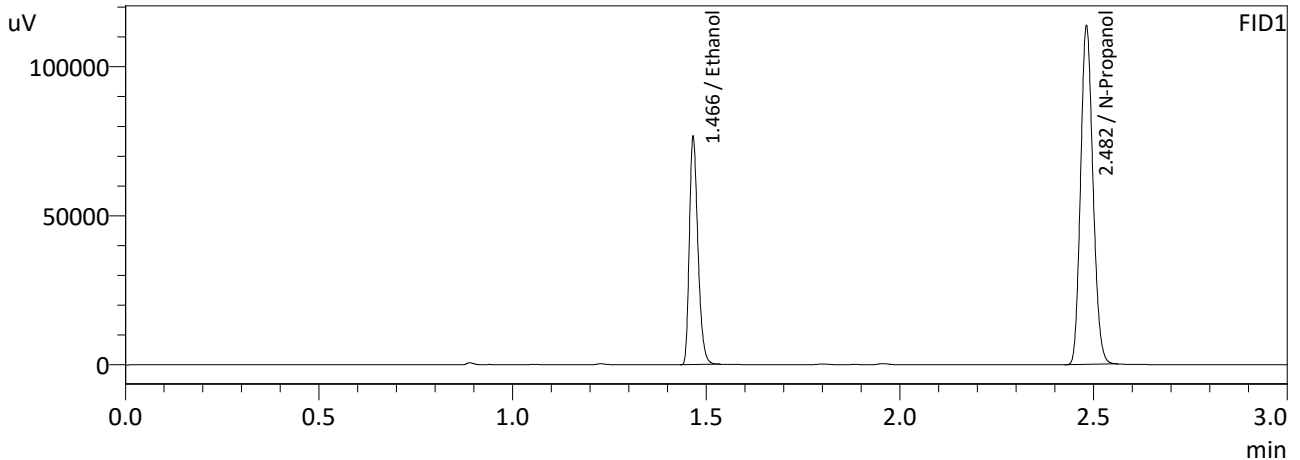
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2202	100494	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213080	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2204	109307	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232284	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : 11/23/2022 1:19:46 AM
 Vial # : 69
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



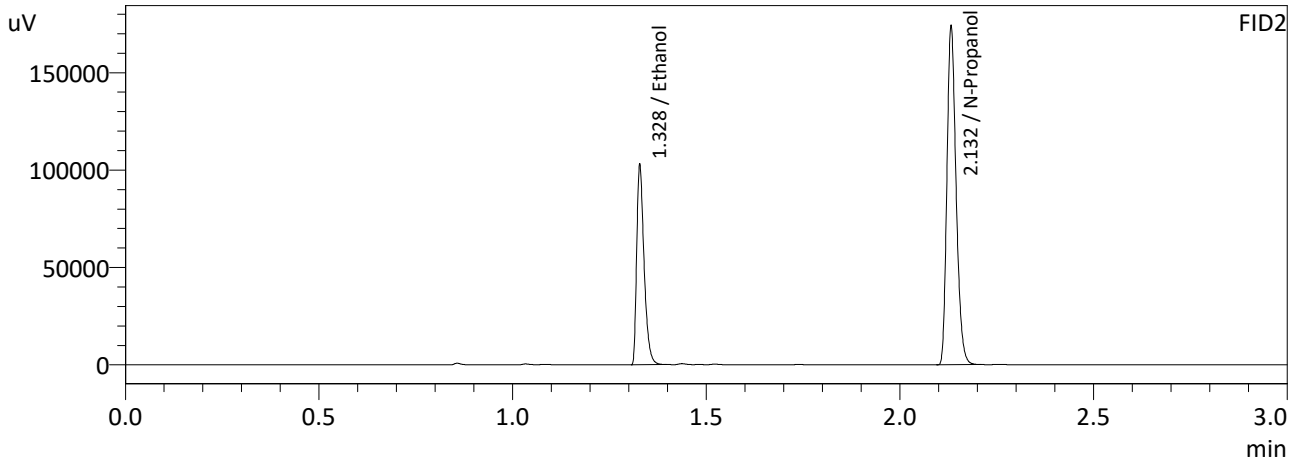
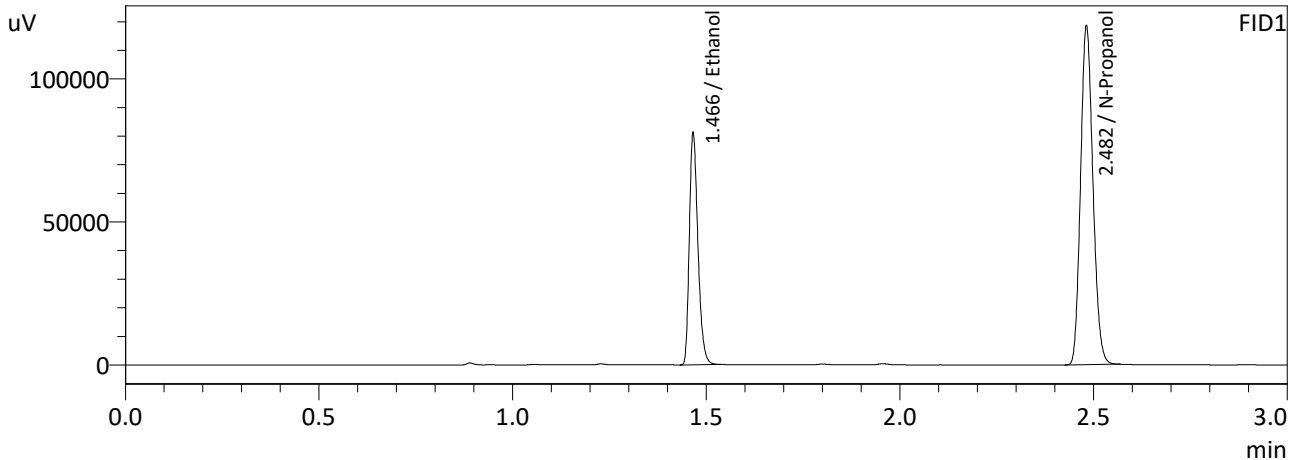
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2175	117630	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	252404	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2175	127927	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275367	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : 11/23/2022 1:27:02 AM
 Vial # : 70
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2219	124840	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	262620	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2221	135704	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	286202	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.:0.080 QA

Item #

Analysis Date(s): 11/22/22

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0756	0.0001	0.0756	0.0016	0.0764
(g/100cc)	0.0773	0.0771	0.0002	0.0772		

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
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

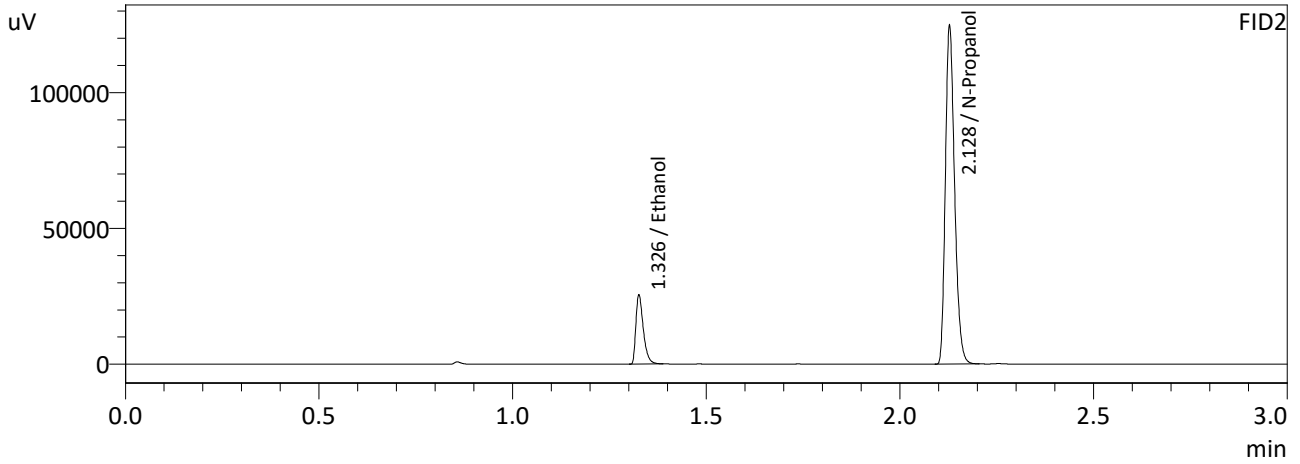
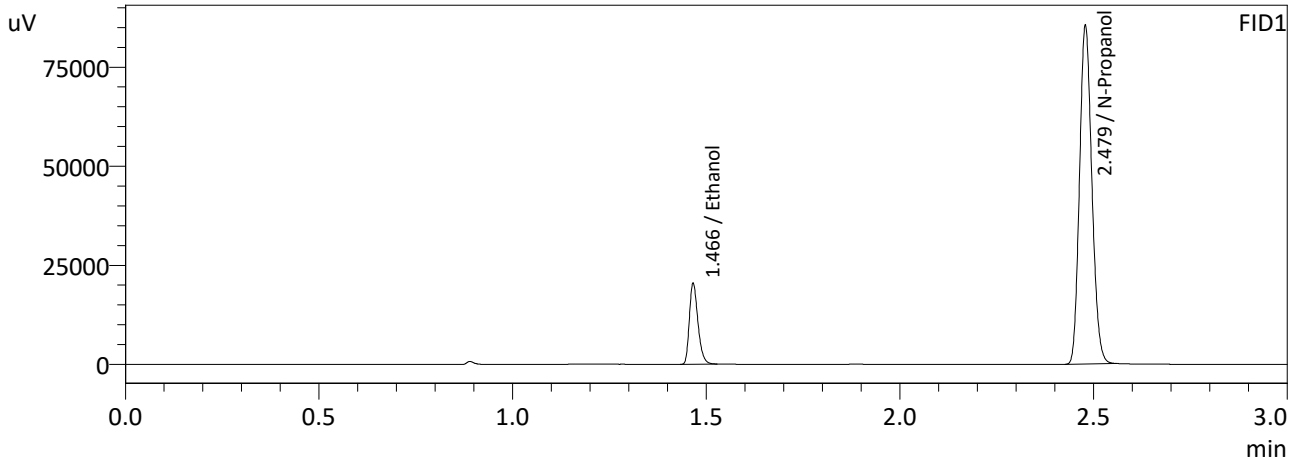
JG

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : 0.08 QA-A
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:35:46 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



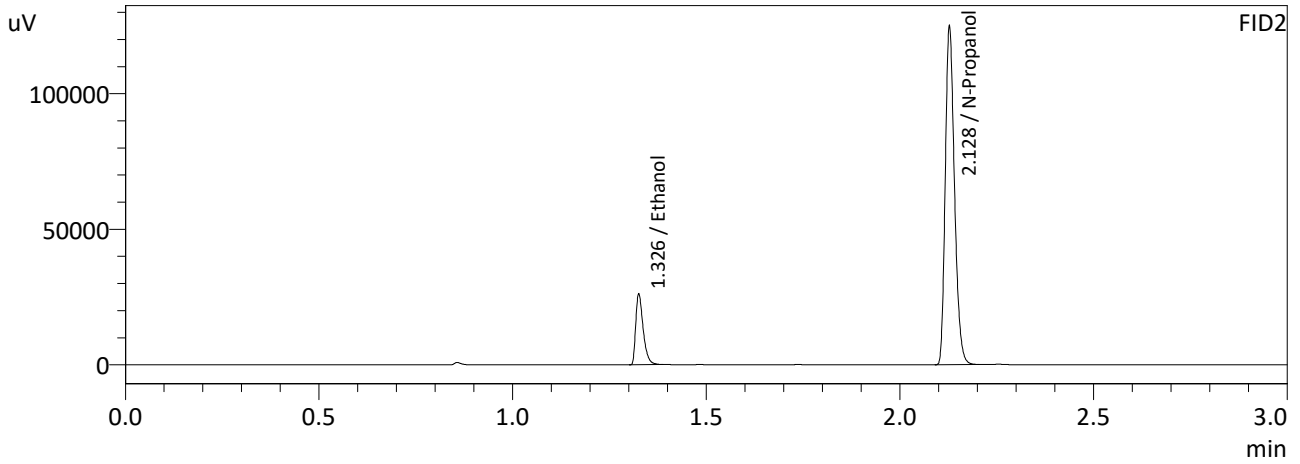
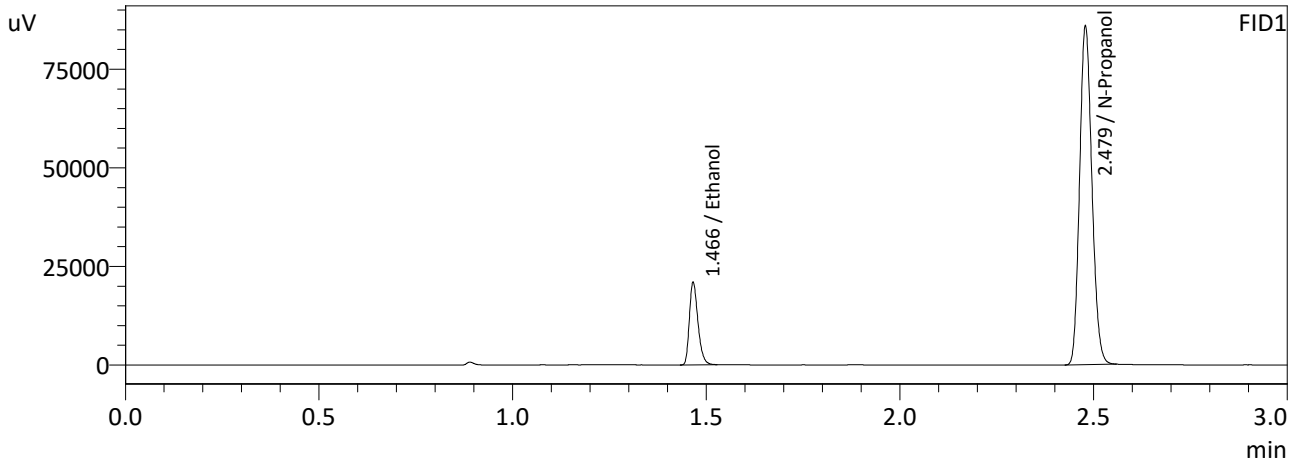
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0757	31486	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189149	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	34073	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206141	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 11/22/2022 4:44:34 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\221122\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0773	32218	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189716	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0771	34830	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206642	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	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
2	ED VOLATILES FN 0604	0:Unknown	1	s:\Data\221122\CALIBRATION\AI
3	QC-1-1-A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
4	QC-1-1-B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
5	0.08 QA-A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
6	0.08 QA-B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
7	M2022-4629-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
8	M2022-4629-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
9	M2022-4633-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
10	M2022-4633-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
11	M2022-4638-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
12	M2022-4638-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
13	M2022-4641-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
14	M2022-4641-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
15	M2022-4658-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
16	M2022-4658-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
17	M2022-4666-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
18	M2022-4666-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
19	M2022-4667-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
20	M2022-4667-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
21	M2022-4675-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
22	M2022-4675-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
23	M2022-4676-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
24	M2022-4676-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
25	QC-2-1-A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
26	QC-2-1-B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
27	M2022-4679-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
28	M2022-4679-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
29	M2022-4680-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
30	M2022-4680-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
31	M2022-4701-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
32	M2022-4701-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
33	M2022-4702-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
34	M2022-4702-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
35	M2022-4703-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
36	M2022-4703-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
37	M2022-4704-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
38	M2022-4704-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
39	M2022-4709-2A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
40	M2022-4709-2B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
41	M2022-4713-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
42	M2022-4713-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
43	M2022-4737-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
44	M2022-4737-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
45	M2022-4738-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
46	M2022-4738-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
47	QC1-2-A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
48	QC1-2-B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
49	M2022-4739-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
50	M2022-4739-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
51	M2022-4740-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
52	M2022-4740-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
53	M2022-4741-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
54	M2022-4741-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
55	M2022-4742-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
56	M2022-4742-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
57	M2022-4757-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
58	M2022-4757-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
59	M2022-4758-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI

Vial#	Sample Name	Sample Type	Level#	Method File
60	M2022-4758-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
61	M2022-4759-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
62	M2022-4759-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
63	M2022-4816-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
64	M2022-4816-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
65	M2022-4817-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
66	M2022-4817-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
67	P2022-3374-1A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
68	P2022-3374-1B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
69	QC2-2-A	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
70	QC2-2-B	0:Unknown	0	s:\Data\221122\CALIBRATION\AI
71	INT STD BLK	0:Unknown	0	s:\Data\221122\CALIBRATION\AI