

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: L600HC11378

Volatiles Quality Assurance Controls

Run Date(s): 09/20/22

Calibration Date: (if different) ~~9/10/22~~ 9/9/22

Worklist #: 6103

JG
9/21/22

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0740 g/100cc	
					0.0770 g/100cc	
					g/100cc	
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2083 g/100cc	
					0.2092 g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99987	Column2	0.99988

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0520	0.0521	0.0001	0.052
100	0.100	0.090 - 0.110	0.1003	0.1000	0.0003	0.1001
200	0.200	0.180 - 0.220	0.1975	0.1976	1E-04	0.1975
300	0.300	0.270 - 0.330	0.2982	0.2985	0.0003	0.2983
400	0.400	0.360 - 0.440	N/A	N/A	#####	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5016	1E-04	0.5016

Aqueous Controls

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

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Internal Standard Monitoring Worksheet

Worklist #: 6103	Run Date(s): 09/20/22
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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	197080	215049
0.080	200294	218553
QC1	197633	215513
QC1	199465	217540
QC1	249131	272176
QC1	251837	274979
QC1		
QC1		
QC2	221976	242241
QC2	224625	245087
QC2	248699	271134
QC2	256371	279850
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1 224711.1	179768.9	269653.3
Column 2 245212.2	196169.8	294254.6

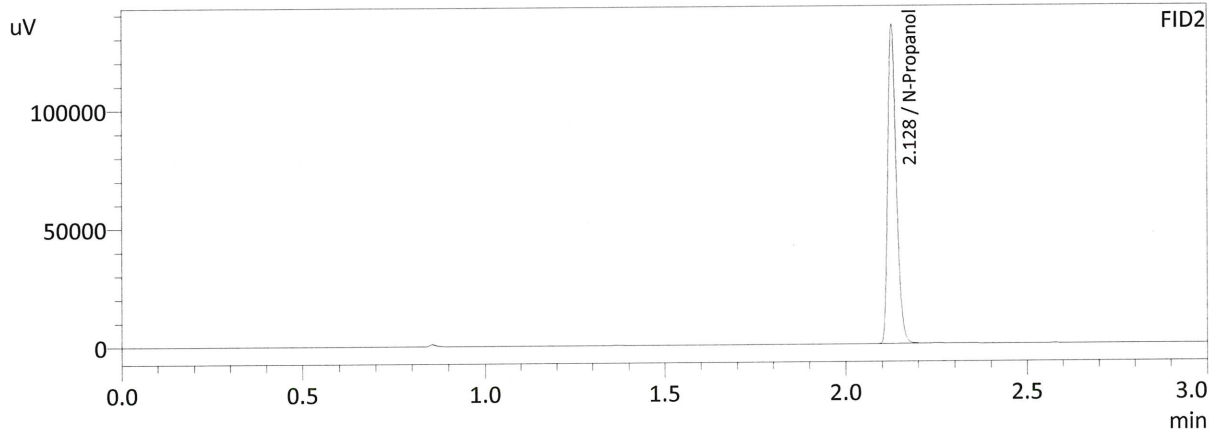
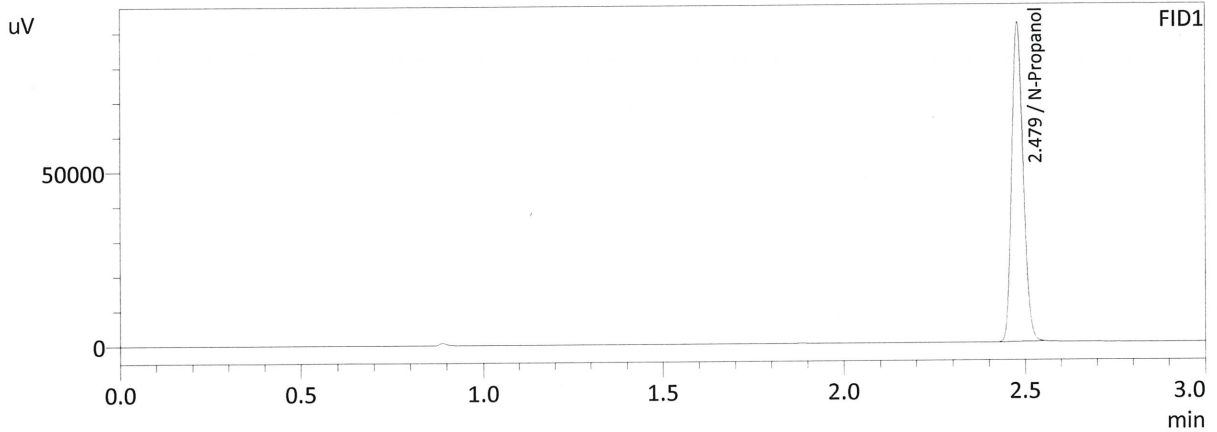
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Worklist: 6103

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2022-3766	1	BCK	Alcohol Analysis	
M2022-3767	1	BCK	Alcohol Analysis	
M2022-3768	1	BCK	Alcohol Analysis	
M2022-3769	1	BCK	Alcohol Analysis	
M2022-3791	1	BCK	Alcohol Analysis	
M2022-3792	1	BCK	Alcohol Analysis	
M2022-3803	1	BCK	Alcohol Analysis	
M2022-3820	1	BCK	Alcohol Analysis	
M2022-3820	2	BCK	Alcohol Analysis	
M2022-3830	1	BCK	Alcohol Analysis	
M2022-3836	1	BCK	Alcohol Analysis	
M2022-3837	1	BCK	Alcohol Analysis	
M2022-3838	1	BCK	Alcohol Analysis	
M2022-3871	1	BCK	Alcohol Analysis	
M2022-3873	1	BCK	Alcohol Analysis	
M2022-3874	1	BCK	Alcohol Analysis	
M2022-3884	1	BCK	Alcohol Analysis	
M2022-3885	1	BCK	Alcohol Analysis	
P2022-2879	2	BCK	Alcohol Analysis	

JG

Sample Name : INT STD BLK 1
 Laboratory : Meridian
 Injection Date : 9/20/2022 9:37:12 AM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

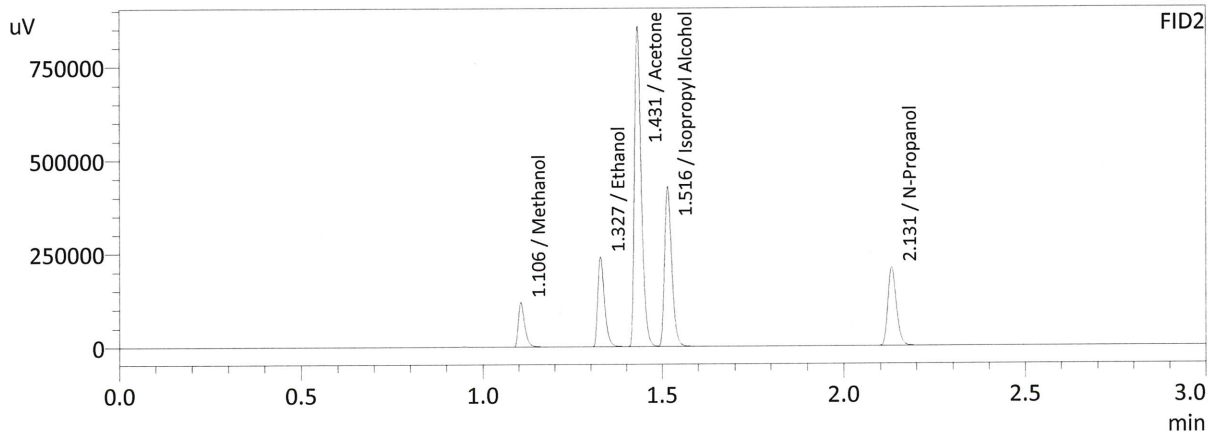
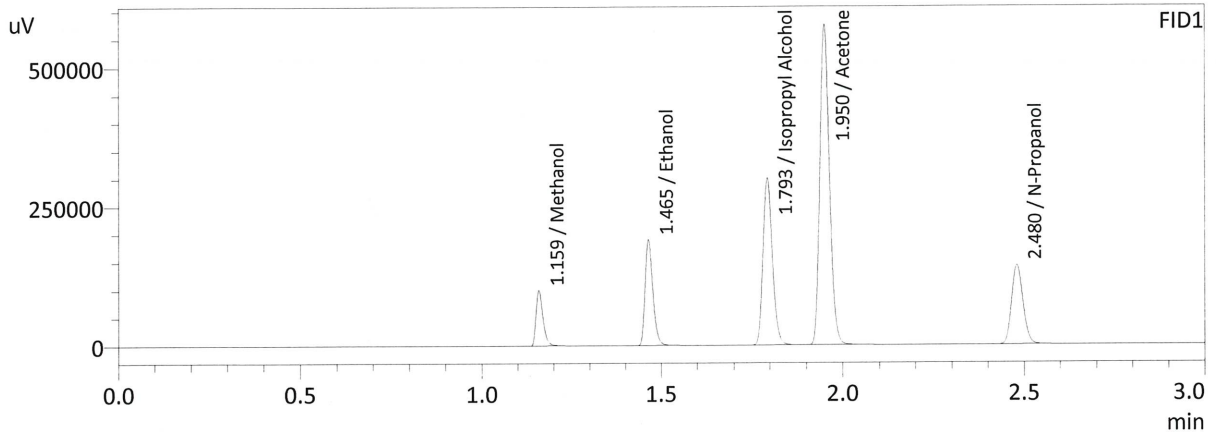
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202645	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221328	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 9/20/2022 9:44:34 AM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	134989	g/100cc
Ethanol	0.4325	289976	g/100cc
Isopropyl Alcohol	0.0000	546358	g/100cc
Acetone	0.0000	1063238	g/100cc
N-Propanol	0.0000	313992	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	146426	g/100cc
Ethanol	0.4321	314224	g/100cc
Acetone	0.0000	1147318	g/100cc
Isopropyl Alcohol	0.0000	590507	g/100cc
N-Propanol	0.0000	341222	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1

Item #

Analysis Date(s): 09/20/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0735	0.0734	0.0001	0.0734	0.0013	0.0740
(g/100cc)	0.0748	0.0746	0.0002	0.0747		

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
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

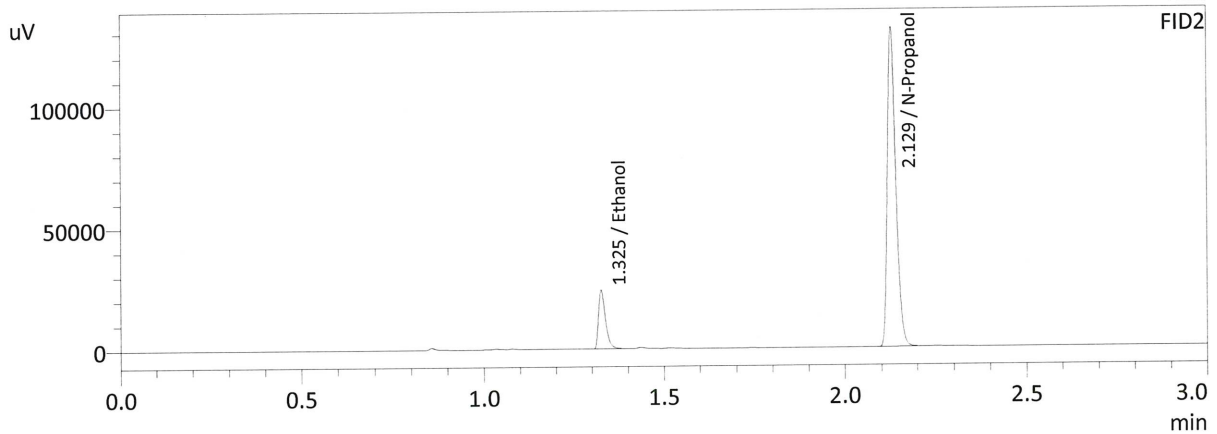
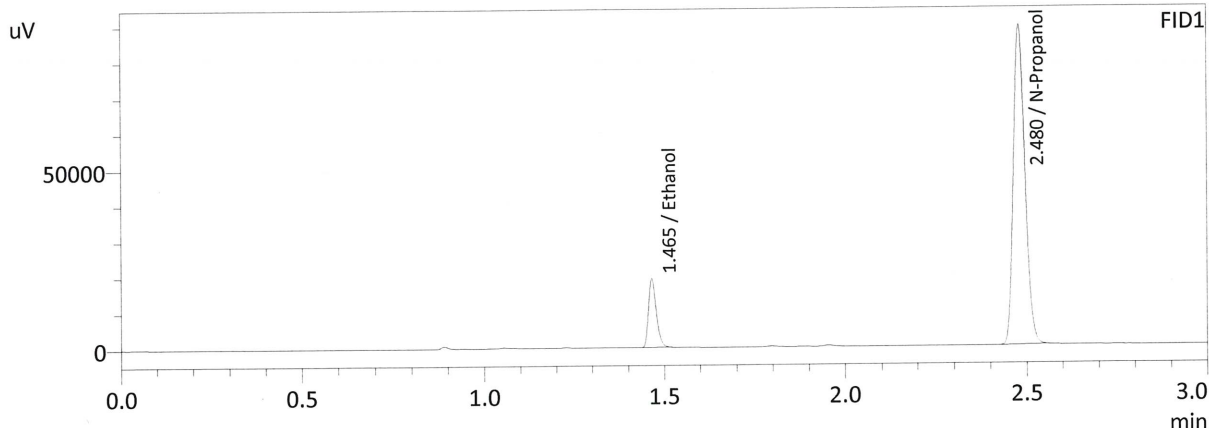
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Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-1-1-A
 Laboratory : Meridian
 Injection Date : 9/20/2022 9:52:04 AM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

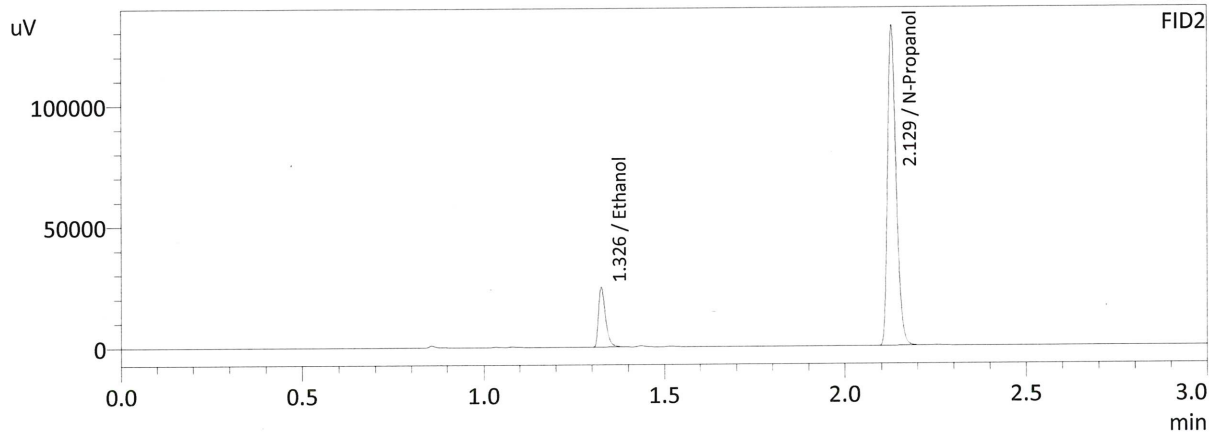
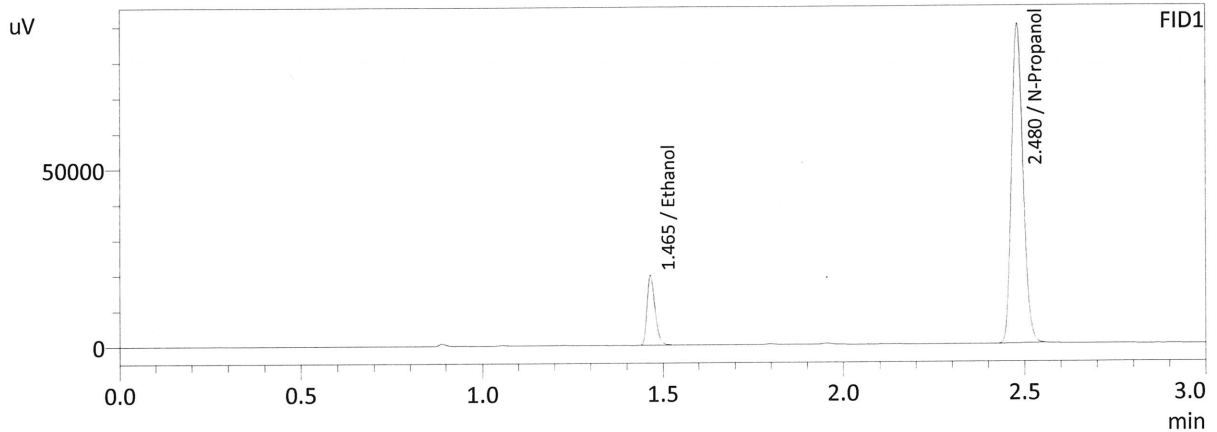
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0735	29572	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197633	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0734	32119	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215513	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 9/20/2022 10:00:41 AM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0748	30408	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199465	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0746	32950	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217540	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA

Item #

Analysis Date(s): 09/20/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0796	0.0794	0.0002	0.0795	0.0025	0.0807
(g/100cc)	0.0822	0.0819	0.0003	0.0820		

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
0.080	0.076	0.084	0.004

Reported Result	
0.080	

Calibration and control data are stored centrally.

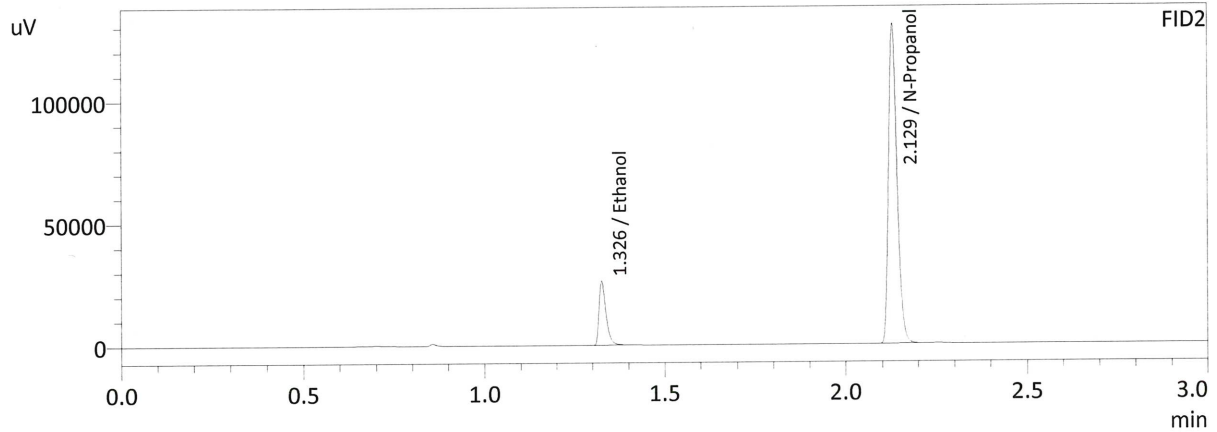
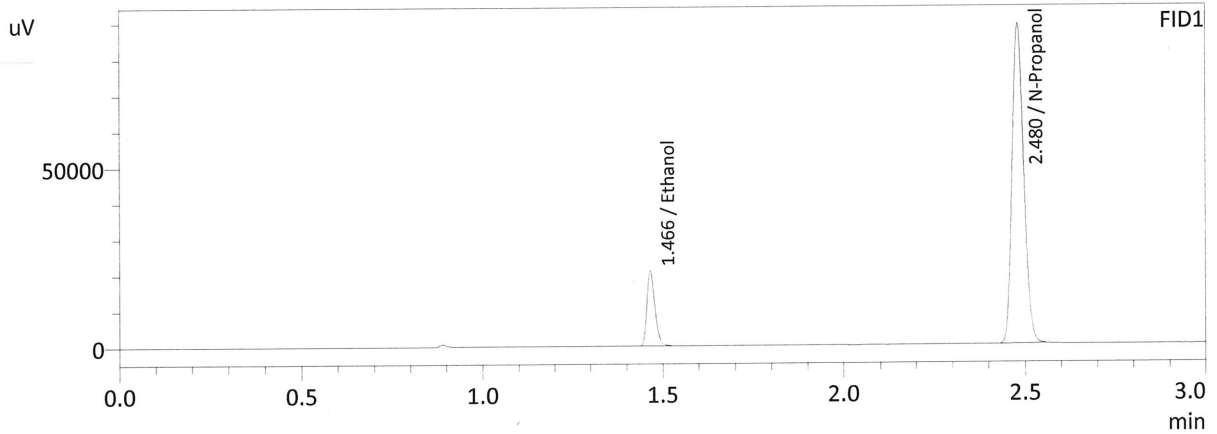
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Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : 0.08 QA-A
 Laboratory : Meridian
 Injection Date : 9/20/2022 10:08:31 AM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



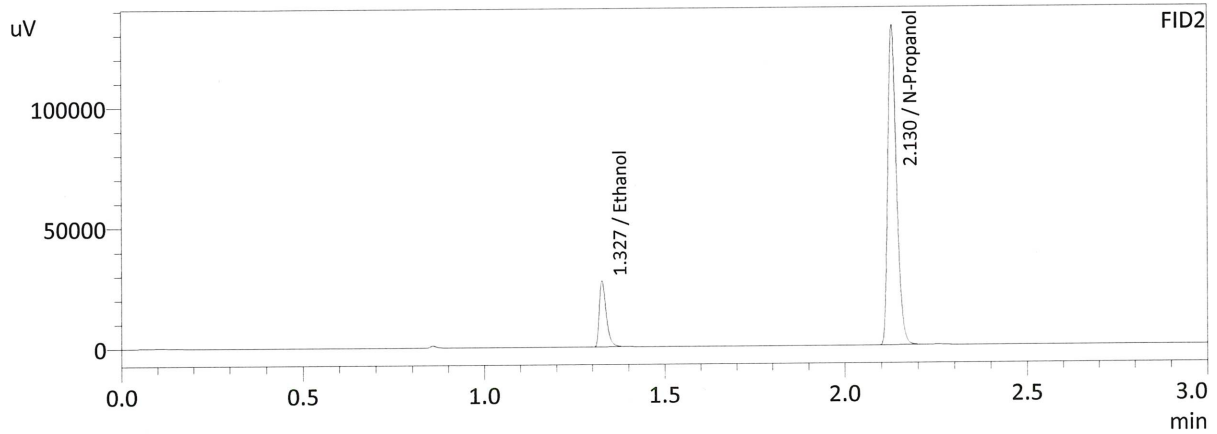
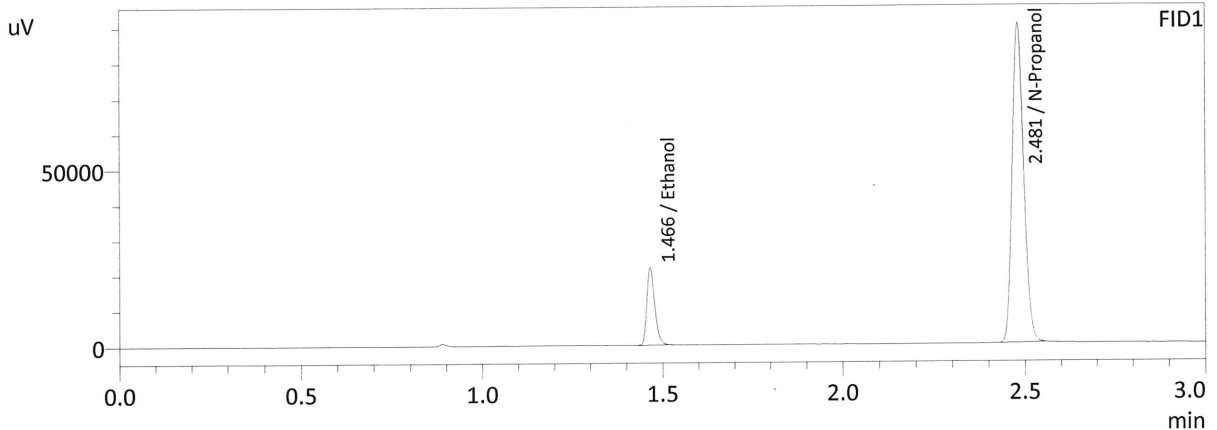
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	32089	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197080	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	34785	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215049	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 9/20/2022 10:16:57 AM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	33722	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200294	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	36558	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218553	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1

Item #

Analysis Date(s): 09/20/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2079	0.2079	0.0000	0.2079	0.0009	0.2083
(g/100cc)	0.2088	0.2088	0.0000	0.2088		

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
0.208	0.197	0.219	0.011

Reported Result	
0.208	

Calibration and control data are stored centrally.

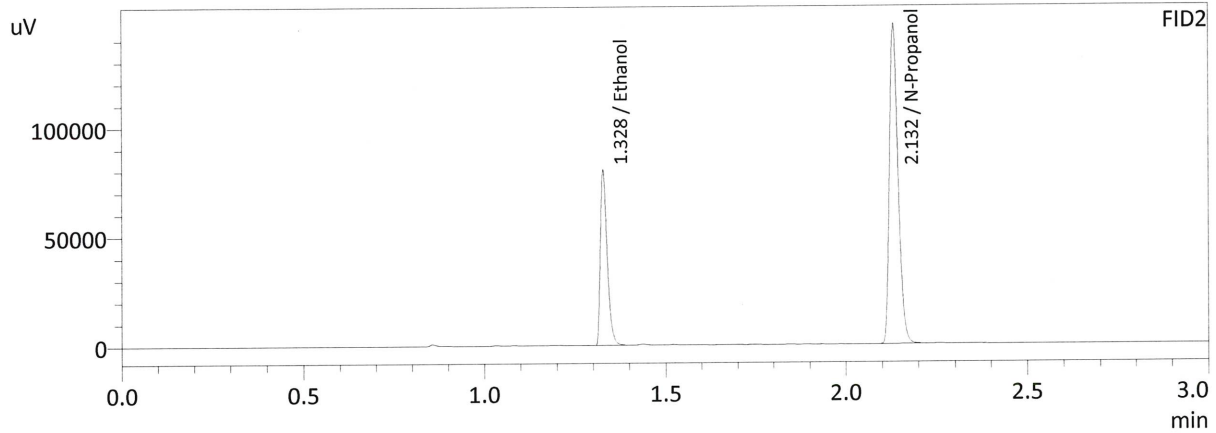
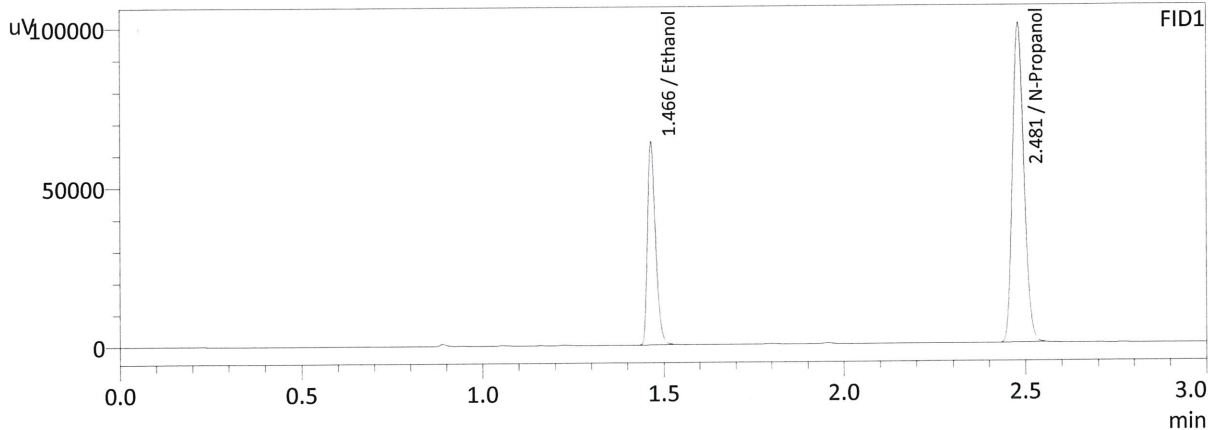
36

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC-2-1-A
 Laboratory : Meridian
 Injection Date : 9/20/2022 12:50:00 PM
 Vial # : 25
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



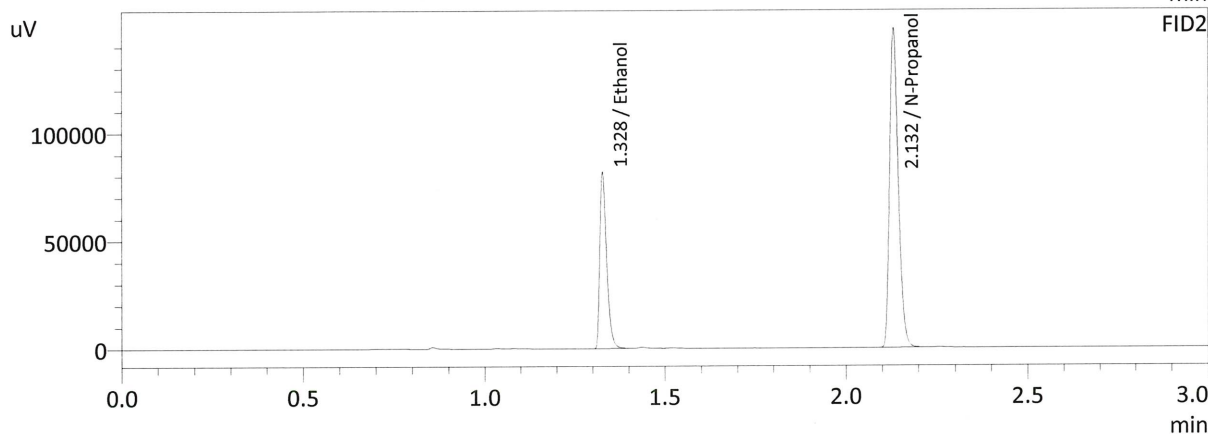
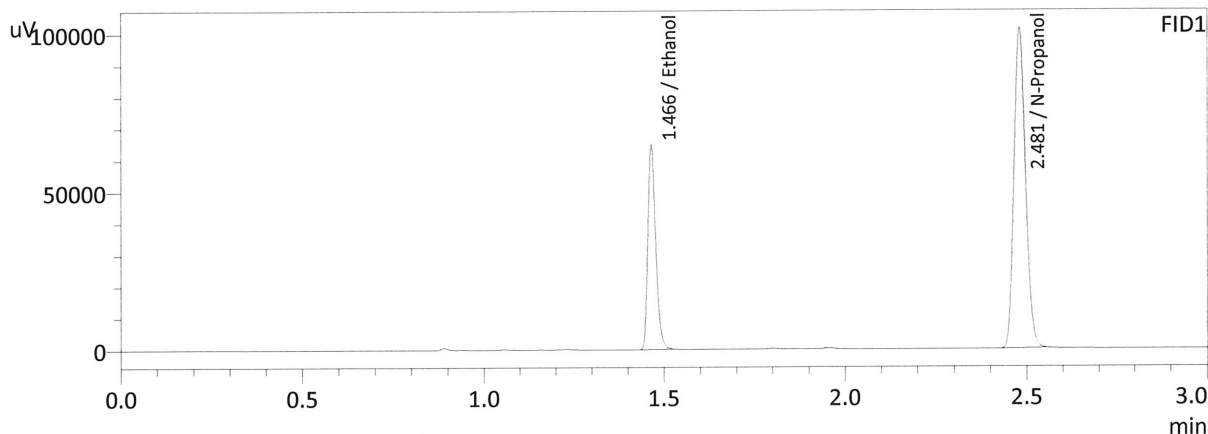
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	97539	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221976	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2079	106225	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242241	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 9/20/2022 12:57:48 PM
 Vial # : 26
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2088	99132	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	224625	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2088	107937	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245087	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2

Item #

Analysis Date(s): 09/20/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0769	0.0768	0.0001	0.0768	0.0004	0.0770
(g/100cc)	0.0772	0.0772	0.0000	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
0.077	0.073	0.081	0.004

Reported Result	
0.077	

Calibration and control data are stored centrally.

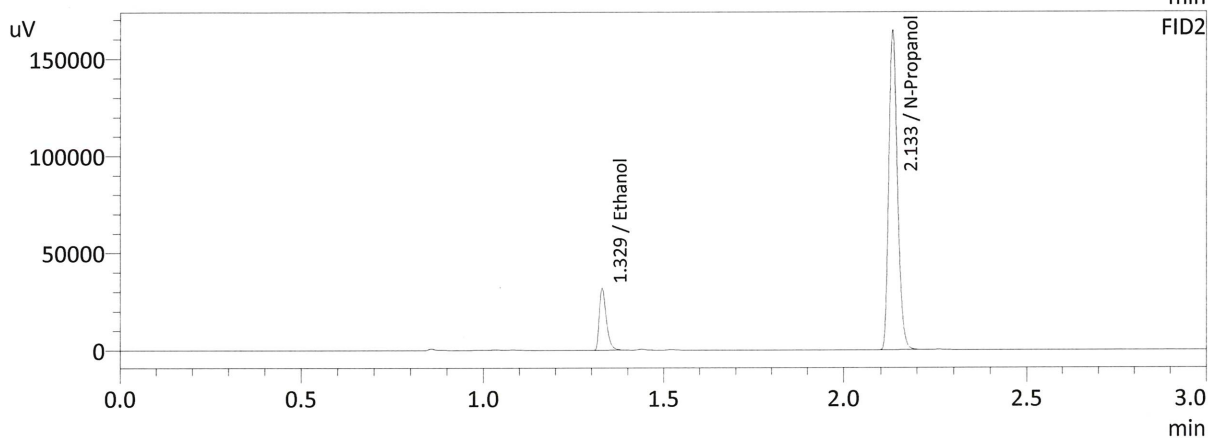
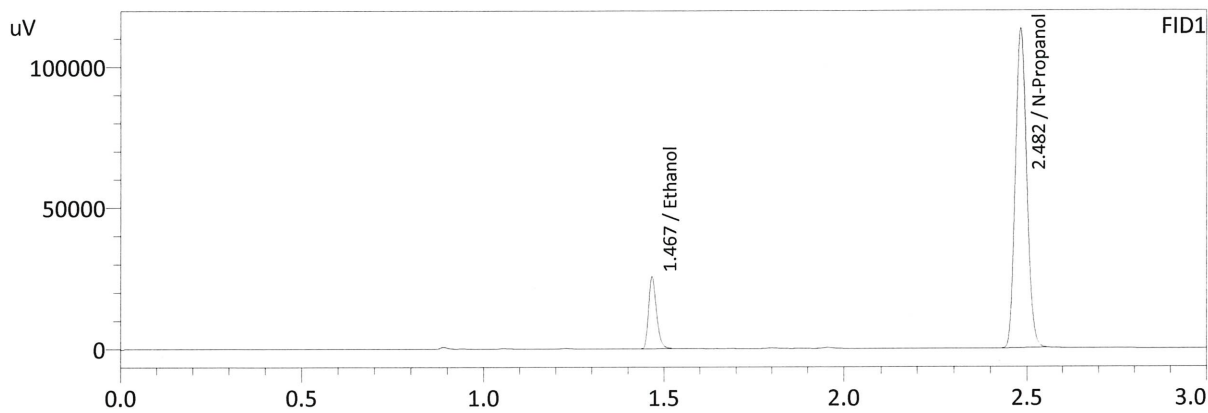
36

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : 9/20/2022 3:45:06 PM
 Vial # : 47
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



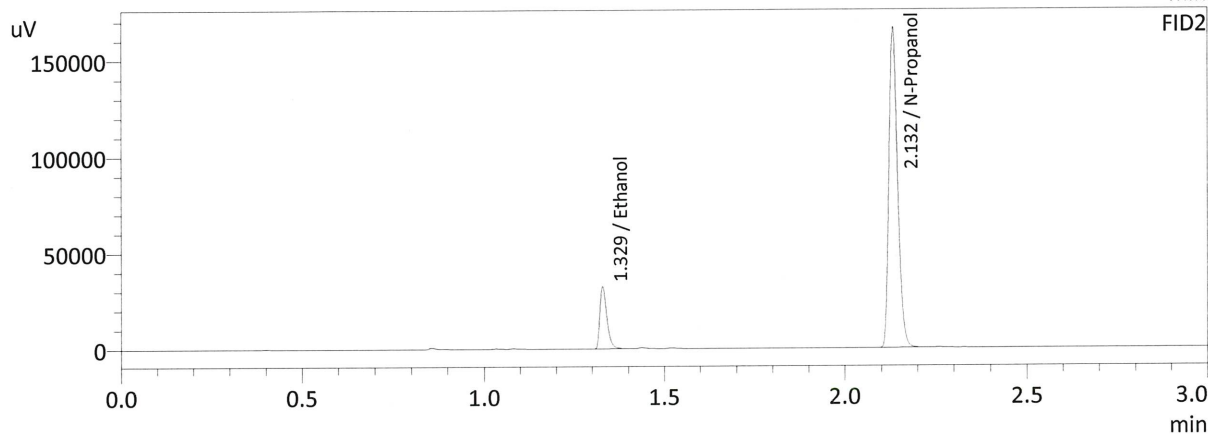
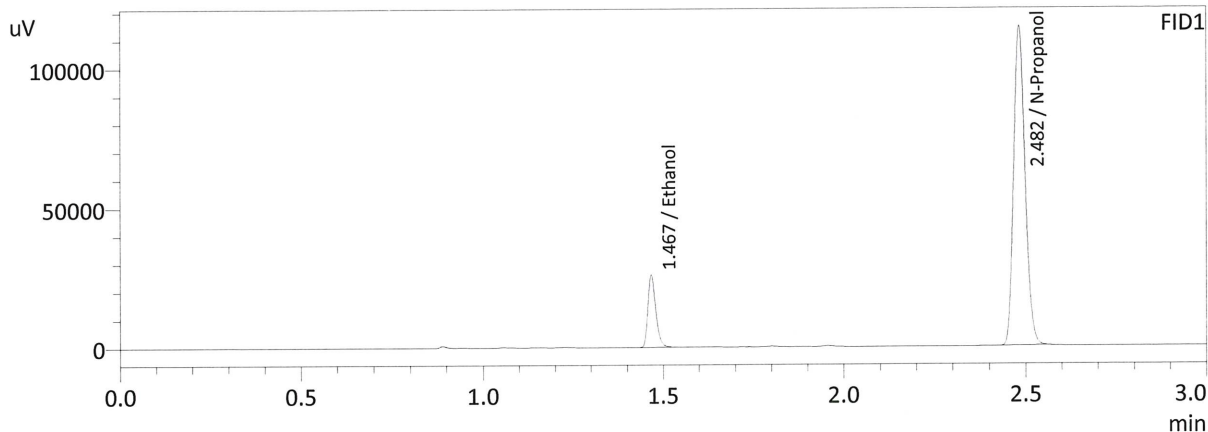
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	39094	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	249131	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0768	42519	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	272176	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : 9/20/2022 3:53:55 PM
 Vial # : 48
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	39724	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	251837	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0772	43233	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	274979	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2

Item #

Analysis Date(s): 09/20/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2085	0.2090	0.0005	0.2087	0.0010	0.2092
(g/100cc)	0.2097	0.2097	0.0000	0.2097		

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
0.209	0.198	0.220	0.011

Reported Result	
0.209	

Calibration and control data are stored centrally.

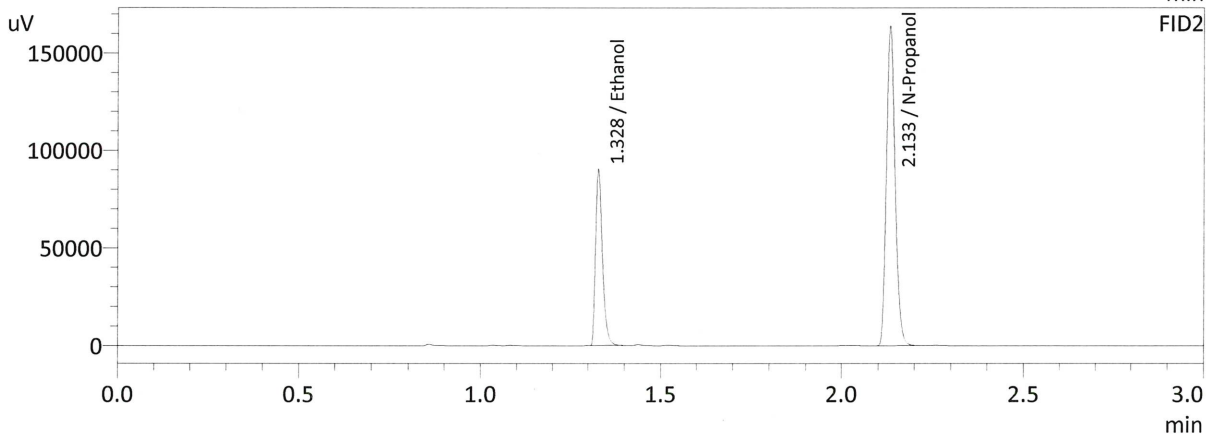
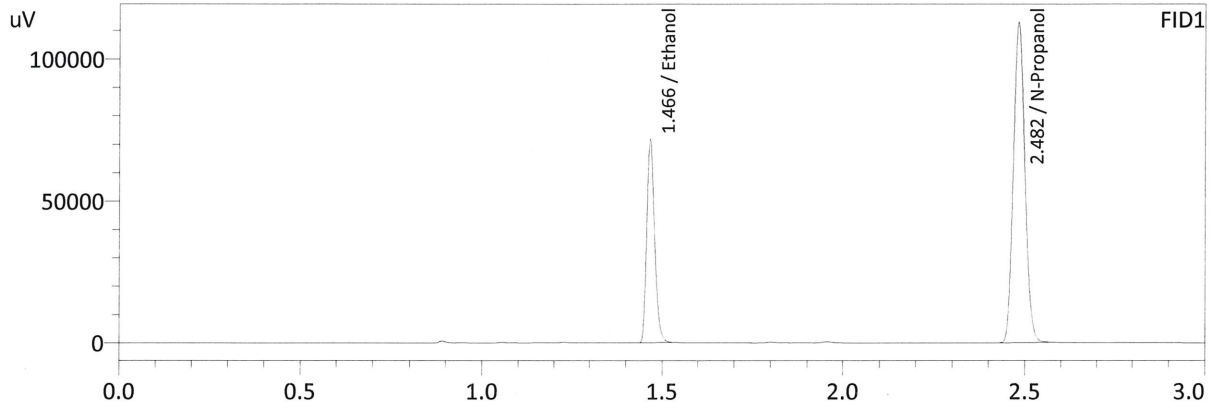
36

Revision: 1

Issue Date: 12/29/2021

Issuing Authority: Quality Manager

Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : 9/20/2022 4:01:07 PM
 Vial # : 49
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



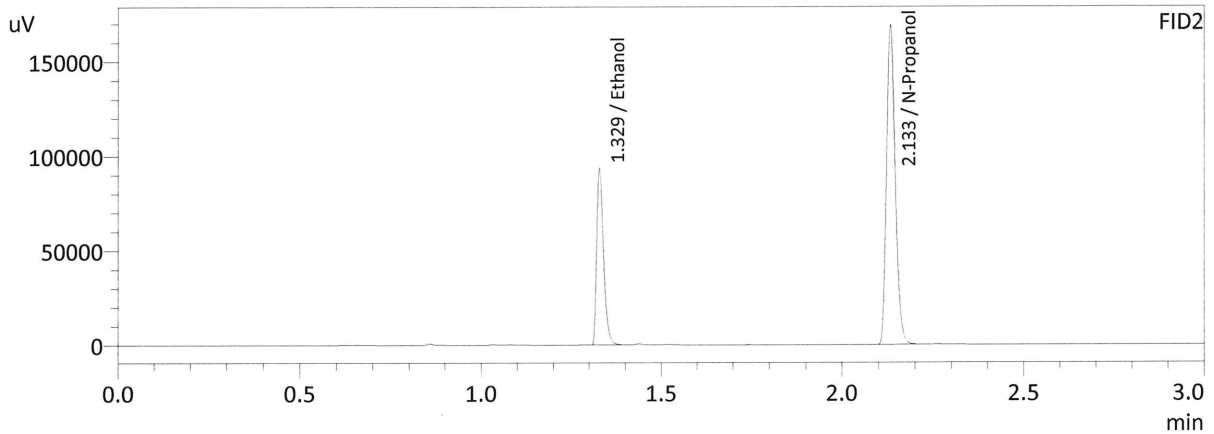
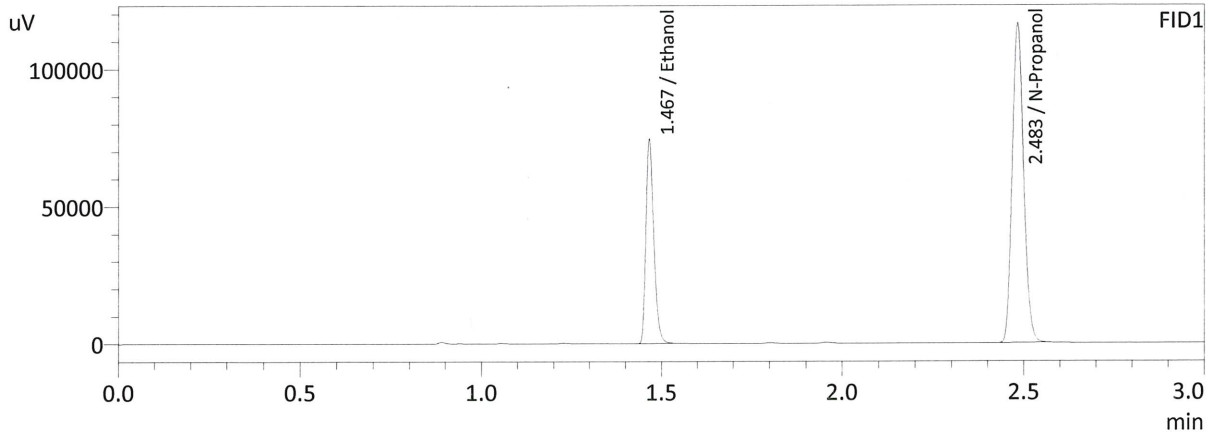
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2085	109586	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	248699	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2090	119482	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	271134	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : 9/20/2022 4:09:00 PM
 Vial # : 50
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

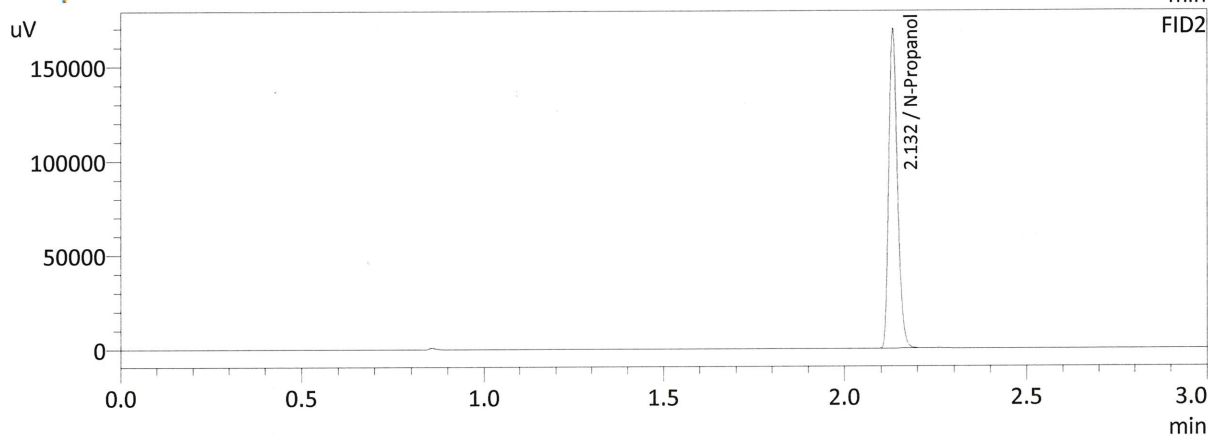
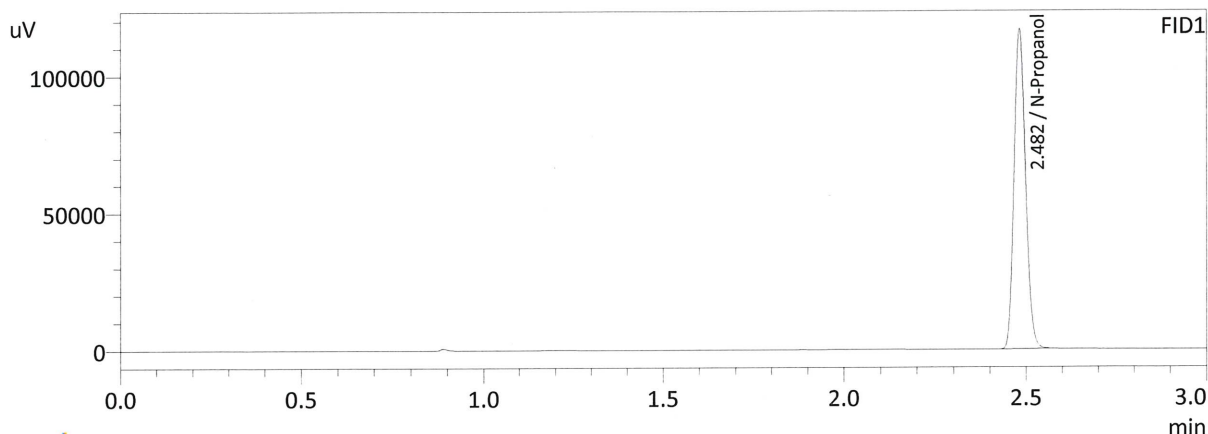
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2097	113619	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	256371	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2097	123796	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	279850	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 9/20/2022 4:17:49 PM
 Vial # : 51
 Method Filename : C:\LabSolutions\Data\220909\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	256880	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	280358	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Meridian Blood Alcohol Analysis Batch Table

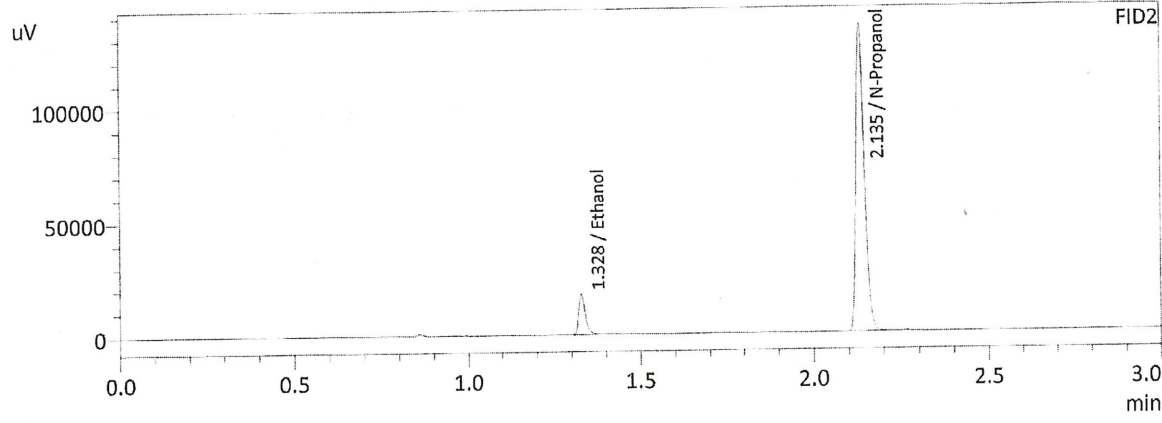
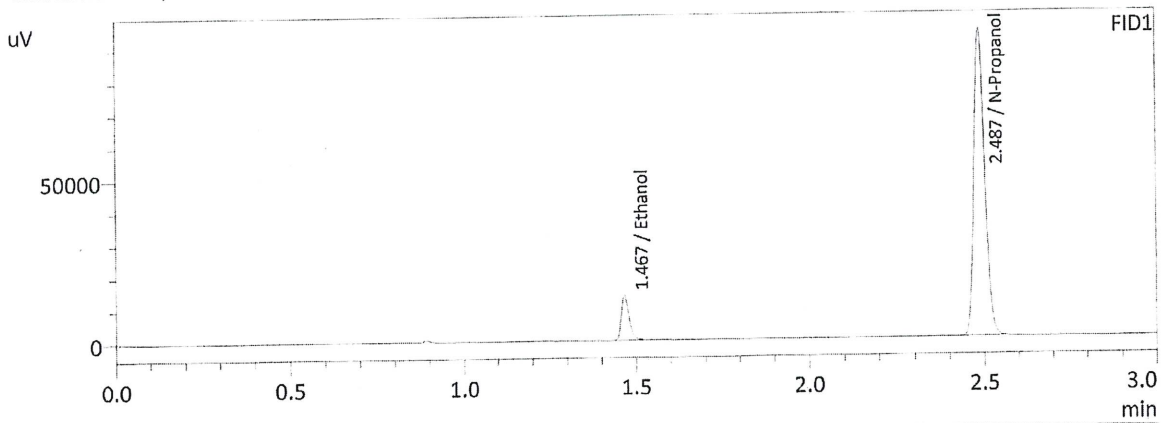
Shimadzu GC-2030 Serial #C12255750548
 Shimadzu HS-20 Serial #C12595800409
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
7	M2022-3766-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
8	M2022-3766-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
9	M2022-3767-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
10	M2022-3767-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
11	M2022-3768-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
12	M2022-3768-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
13	M2022-3769-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
14	M2022-3769-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
15	M2022-3791-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
16	M2022-3791-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
17	M2022-3792-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
18	M2022-3792-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
19	M2022-3803-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
20	M2022-3803-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
21	M2022-3820-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
22	M2022-3820-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
23	M2022-3820-2A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
24	M2022-3820-2B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
27	M2022-3830-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
28	M2022-3830-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
29	M2022-3836-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
30	M2022-3836-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
31	M2022-3837-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
32	M2022-3837-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
33	M2022-3838-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
34	M2022-3838-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
35	M2022-3871-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
36	M2022-3871-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
37	M2022-3873-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
38	M2022-3873-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
39	M2022-3874-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
40	M2022-3874-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
41	M2022-3884-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
42	M2022-3884-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
43	M2022-3885-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
44	M2022-3885-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
45	P2022-2879-2A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
46	P2022-2879-2A ^{2B}	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
49	QC2-2-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
50	QC2-2-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
51	INT STD BLK	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM

JG 9/21/22

JG

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:07:42 PM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



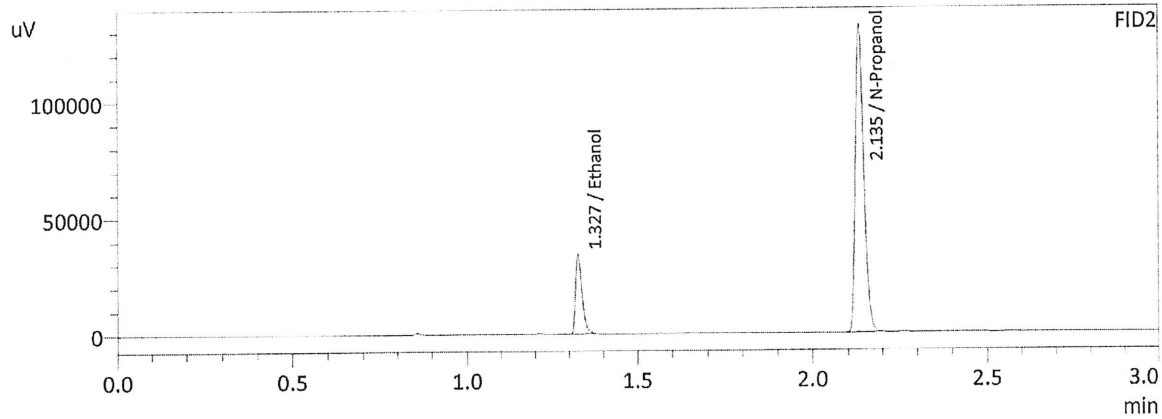
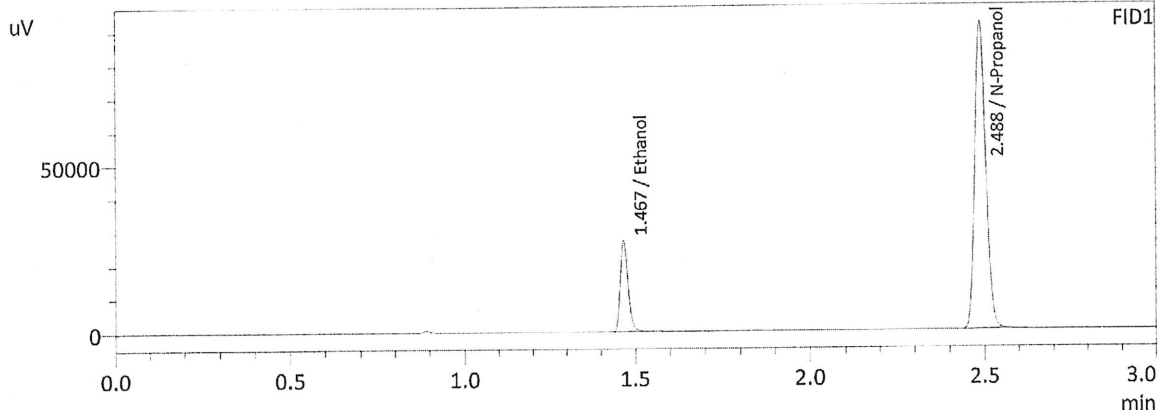
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0520	21437	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207210	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	23235	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225290	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:15:01 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

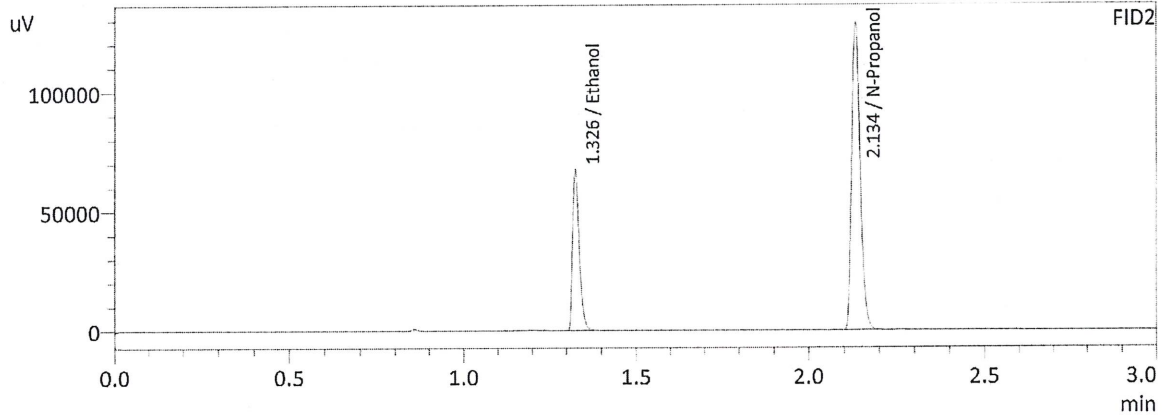
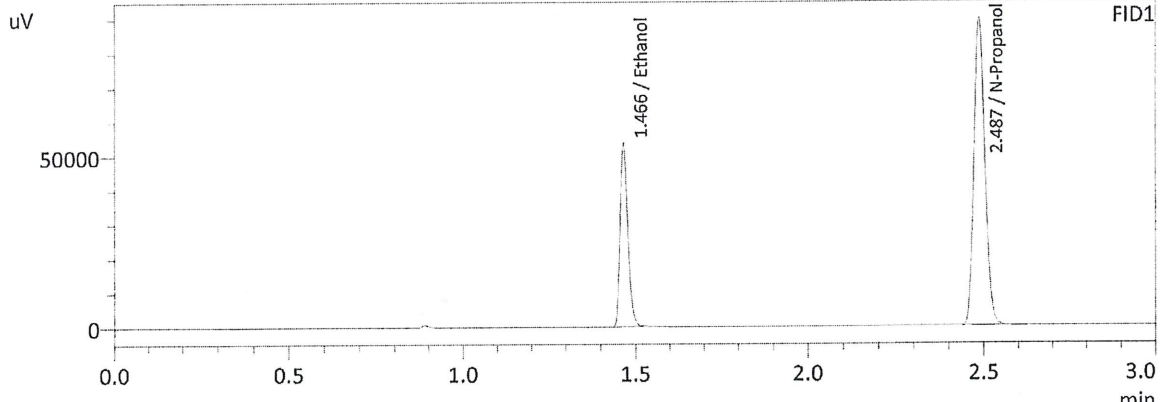
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	41828	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201624	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1000	45287	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219563	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:22:22 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

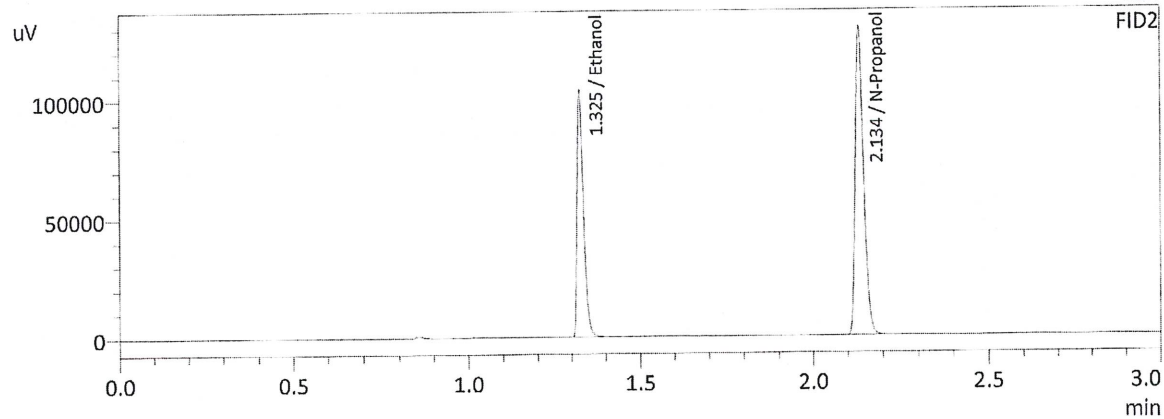
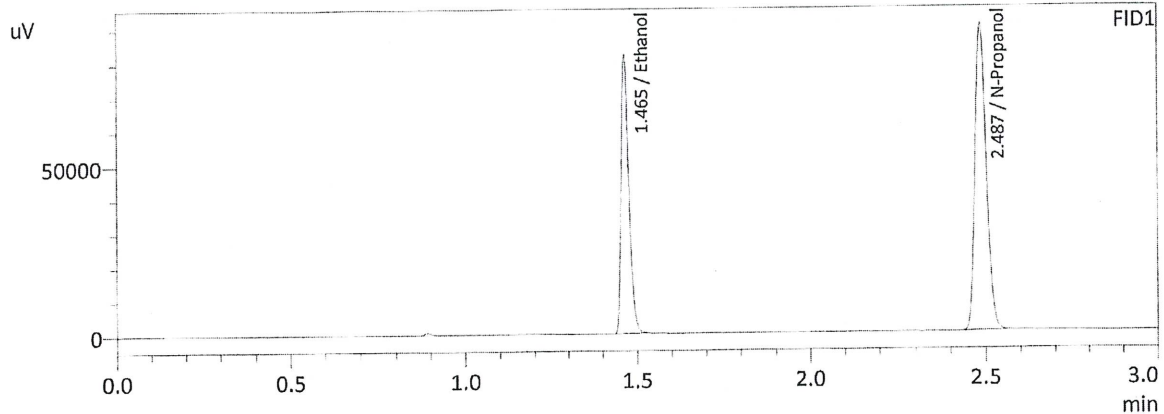
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	82306	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197396	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	89382	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214750	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

U6

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:31:13 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

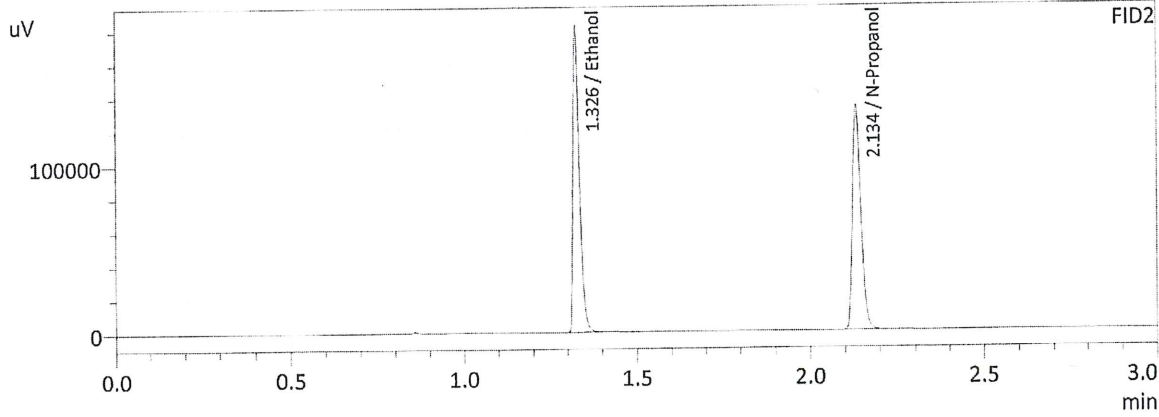
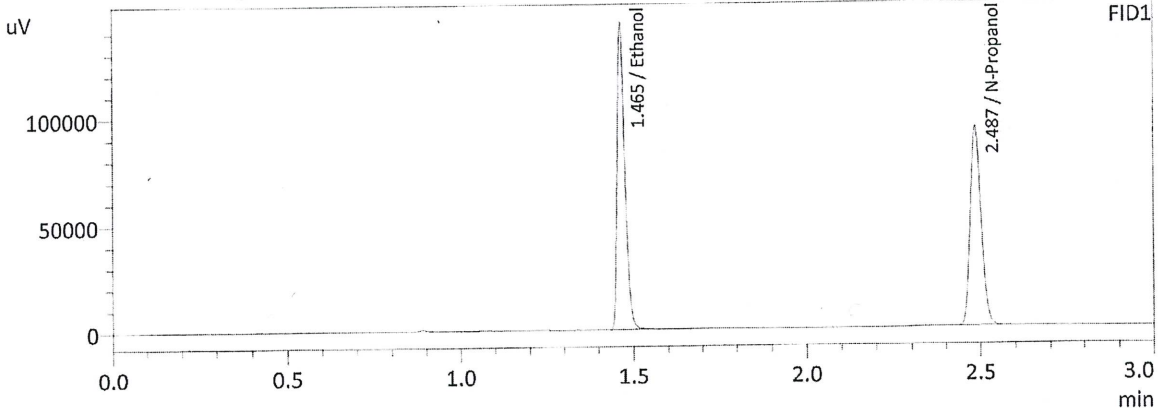
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2982	125894	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198549	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2985	136744	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215929	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

U6

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:38:46 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

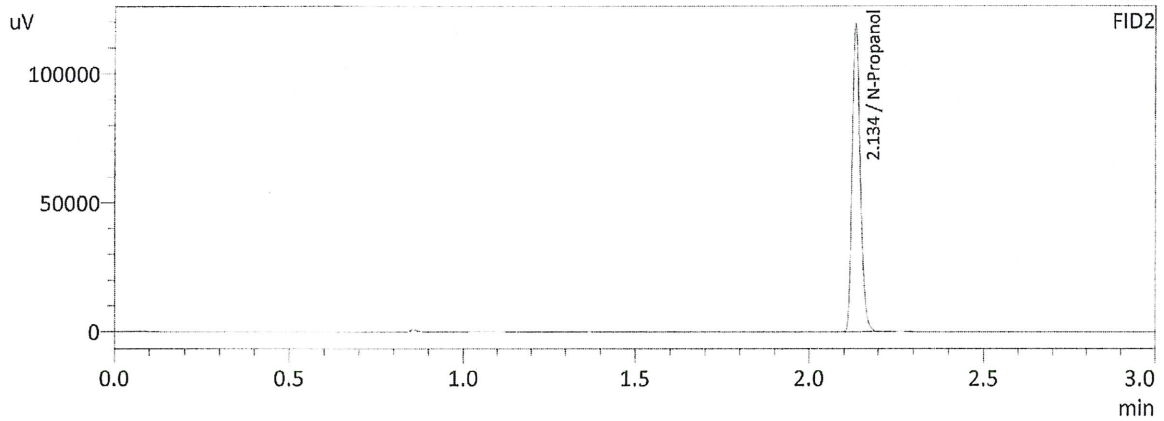
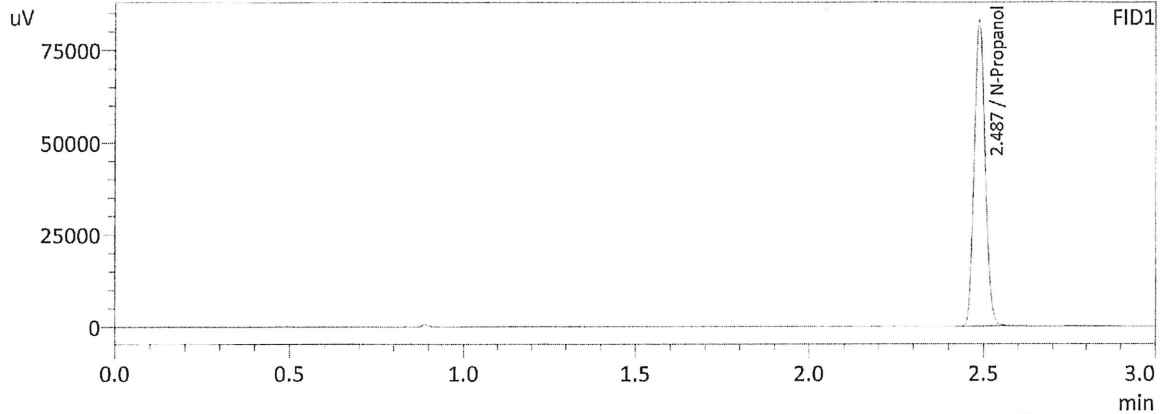
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5017	220027	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205124	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5016	238601	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222911	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

J6

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 9/9/2022 12:47:15 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\220909\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	182542	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	198876	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

JK

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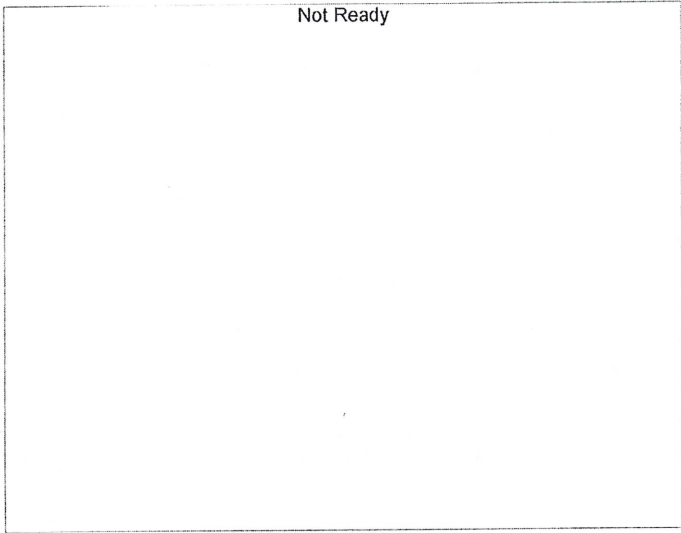
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL.GCM
2	0.100	1:Standard	2	ALCOHOL.GCM
3	0.200	1:Standard	3	ALCOHOL.GCM
4	0.300	1:Standard	4	ALCOHOL.GCM
5	0.500	1:Standard	5	ALCOHOL.GCM
6	INT STD BLK	0:Unknown	0	ALCOHOL.GCM

JK

Calibration Table

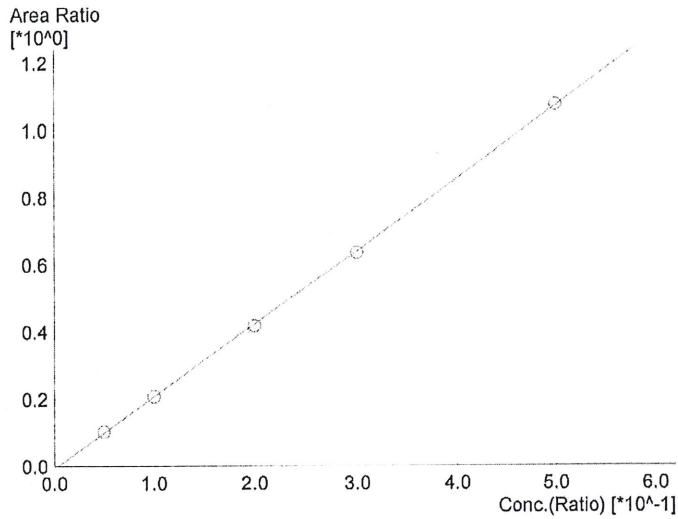
Laboratory : MERIDIAN
 Instrument Name : GC-HS
 Instrument Serial # : C12595800409 / C12255750548

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 Batch File :C:\LabSolutions\Data\220909\CALIBRATION\CALCURVE_TEMPLATE.gcb
 Date Acquired :9/9/2022 12:38:46 PM
 Date Created :9/9/2022 12:34:22 PM
 Date Modified :9/9/2022 12:41:47 PM



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

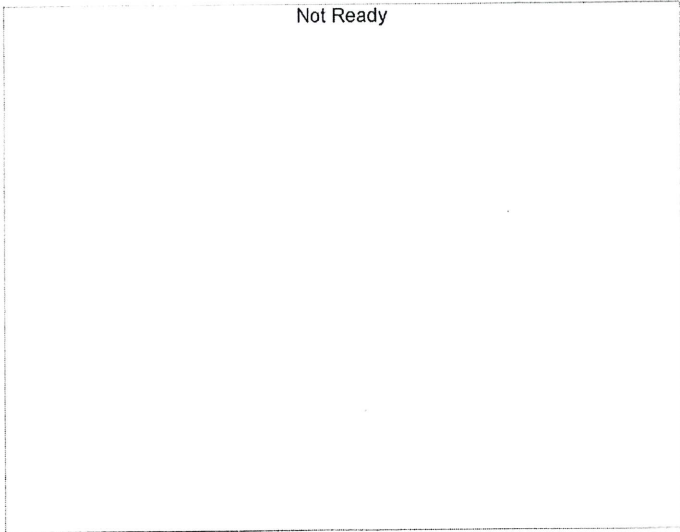
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.15548*x-0.00884148$
 R² value= 0.9998704
 FitType: Linear
 ZeroThrough: Not Through

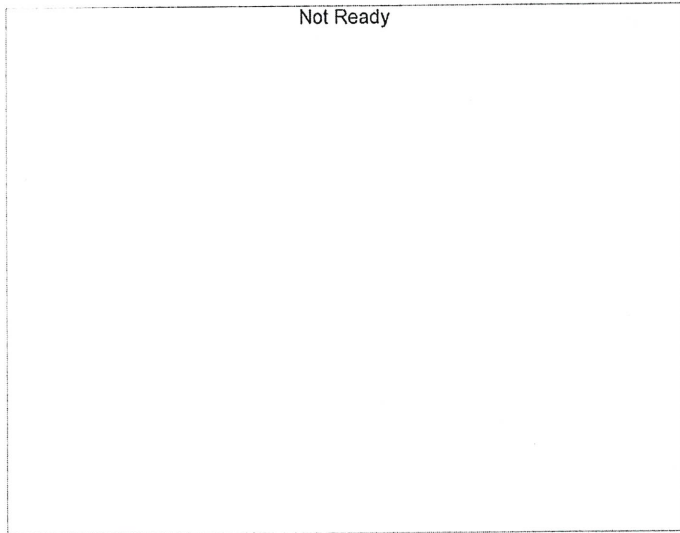
#	Conc.	Area	Std. Conc.
1	0.050	21437	0.0520
2	0.100	41828	0.1003
3	0.200	82306	0.1975
4	0.300	125894	0.2982
5	0.500	220027	0.5017

JC



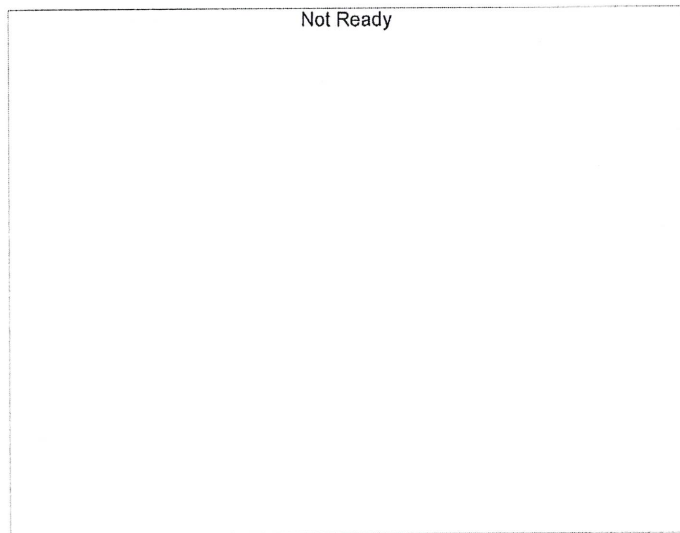
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

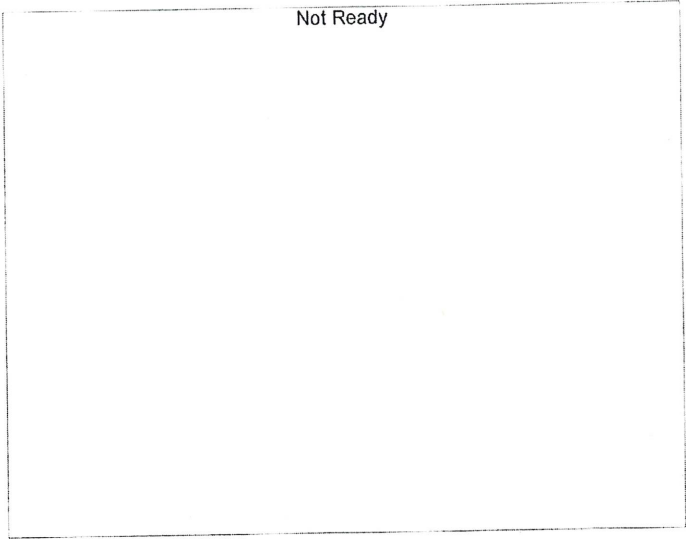
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

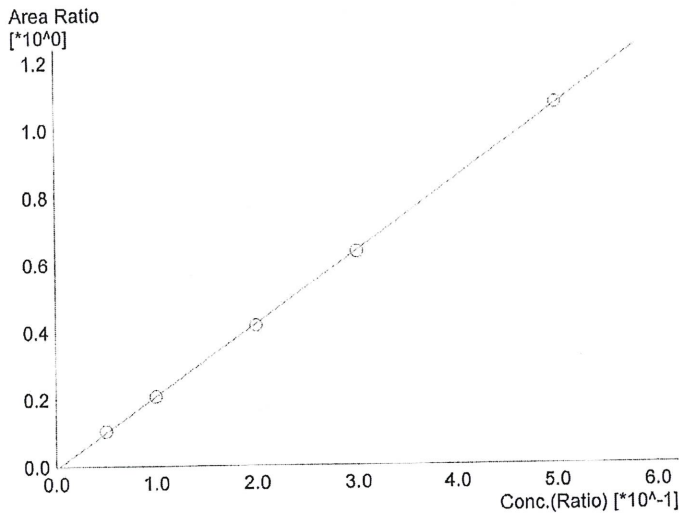
#	Conc.	Area	Std. Conc.
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JK



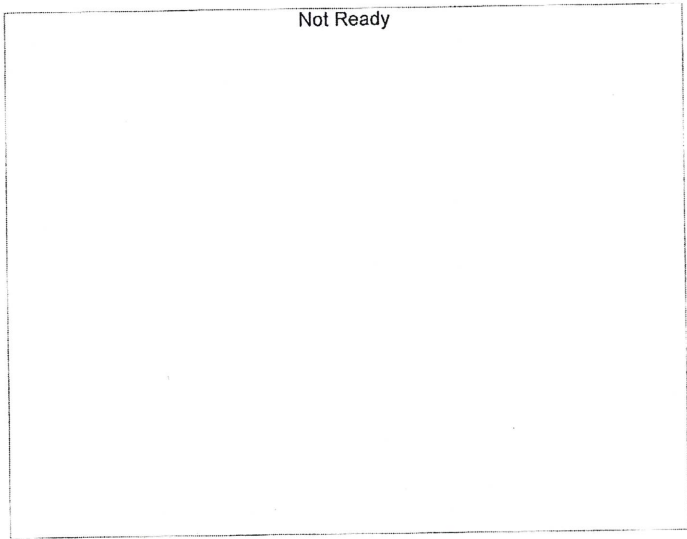
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.15211*x-0.00912971$
 R² value= 0.9998821
 FitType: Linear
 ZeroThrough: Not Through

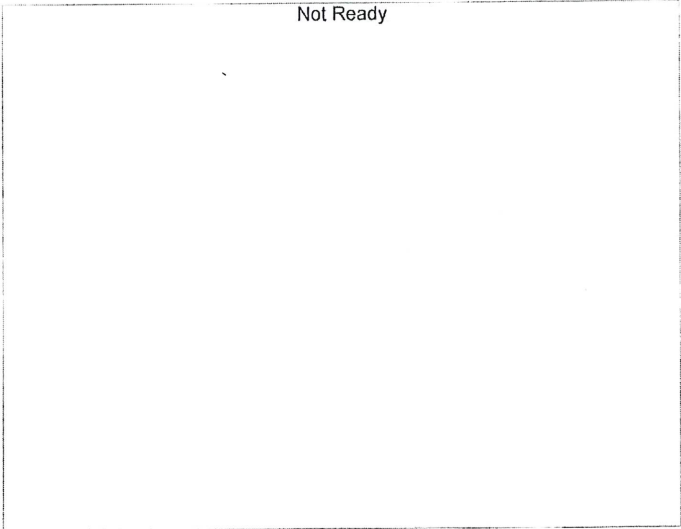
#	Conc.	Area	Std. Conc.
1	0.050	23235	0.0521
2	0.100	45287	0.1000
3	0.200	89382	0.1976
4	0.300	136744	0.2985
5	0.500	238601	0.5016



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

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

Jc



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.
---	-------	------	------------



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.
---	-------	------	------------

26