

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0 ML600HC11378

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: 2/21/23

Volatiles Quality Assurance Controls Run Date(s): 2/21/23

Calibration Date: 2/10/23

Worklist #: 6256

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0773 g/100cc 0.0822 g/100cc g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2116 g/100cc 0.2133 g/100cc g/100cc
Multi-Component mixture: Curve Fit:			Exp: Oct. 2024	Lot # FN06041902	0.99968
			Column 1	Column 2	

APPROVED
By John Garner at 8:10 am, Feb 23, 2023

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0526	0.0527	1E-04	0.0526
100	0.100	0.090 - 0.110	0.0976	0.0974	0.0002	0.0975
200	0.200	0.180 - 0.220	0.1966	0.1966	0	0.1966
300	0.300	0.270 - 0.330	0.3038	0.3039	1E-04	0.3038
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4992	0.4992	0	0.4992

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Run Date(s): 2/21/23

Worksheet #: 6256

Internal Standard Solution:	Prep Date: 12/8/2022	Exp Date: 6/8/2023
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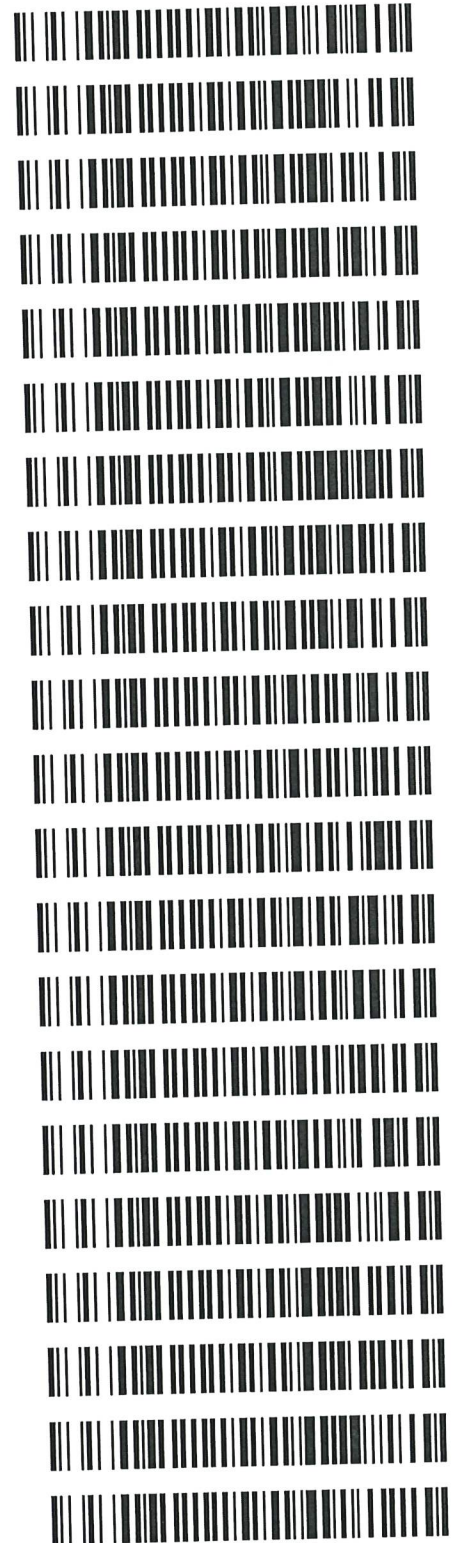
Sample Name	Column 1 Value	Column 2 Value
0.080	177749	192977
0.080	173728	188608
QC1	180667	195990
QC1	179302	194908
QC1	228095	248302
QC1	221128	240557
QC1		
QC1		
QC2	203214	221012
QC2	208441	226572
QC2	223359	242925
QC2	239385	260357
QC2		
QC2		

Average	(-)20%	(+)20%
Column 1 203506.8	162805.4	244208.2
Column 2 221220.8	176976.6	265465.0

RB

Worklist: 6256

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2023-0608	1	BCK	Alcohol Analysis
M2023-0623	1	BCK	Alcohol Analysis
M2023-0624	1	BCK	Alcohol Analysis
M2023-0625	1	BCK	Alcohol Analysis
M2023-0626	1	BCK	Alcohol Analysis
M2023-0627	1	BCK	Alcohol Analysis
M2023-0638	1	BCK	Alcohol Analysis
M2023-0641	1	BCK	Alcohol Analysis
M2023-0642	1	BCK	Alcohol Analysis
M2023-0694	4	BCK	Alcohol Analysis
M2023-0695	2	UCK	Alcohol Analysis
M2023-0700	1	BCK	Alcohol Analysis
M2023-0710	1	BCK	Alcohol Analysis
M2023-0711	1	BCK	Alcohol Analysis
M2023-0724	1	BCK	Alcohol Analysis
M2023-0725	1	BCK	Alcohol Analysis
M2023-0759	1	BCK	Alcohol Analysis
M2023-0762	1	BCK	Alcohol Analysis
M2023-0763	1	BCK	Alcohol Analysis
M2023-0778	1	BCK	Alcohol Analysis
M2023-0782	1	BCK	Alcohol Analysis



MB

Worklist: 6256

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-0517	1	BCK	Alcohol Analysis



NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 2/21/2023 4:06:42 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0796	0.0001	0.0796	0.0004	0.0798
(g/100cc)	0.0801	0.0799	0.0002	0.0800		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230210NB.gcm

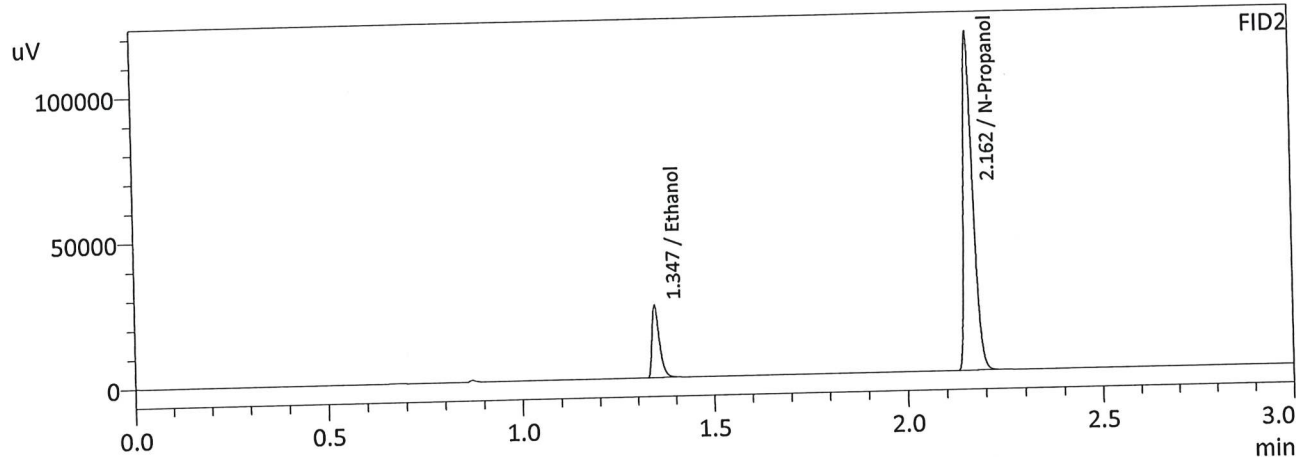
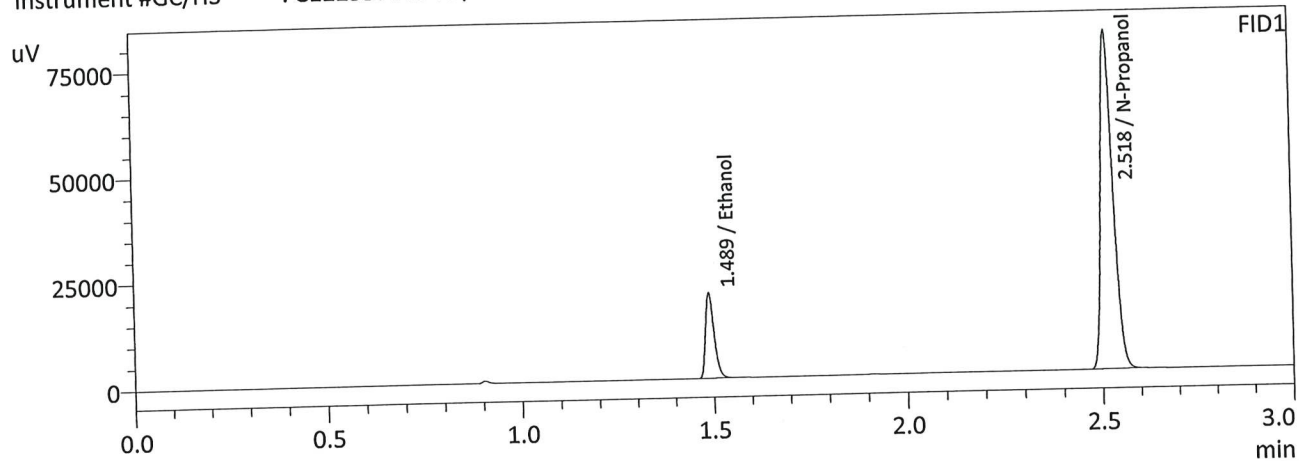
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

Reported Results	
0.079	

Calibration and control data are stored centrally.

NB

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 2/21/2023 4:06:42 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

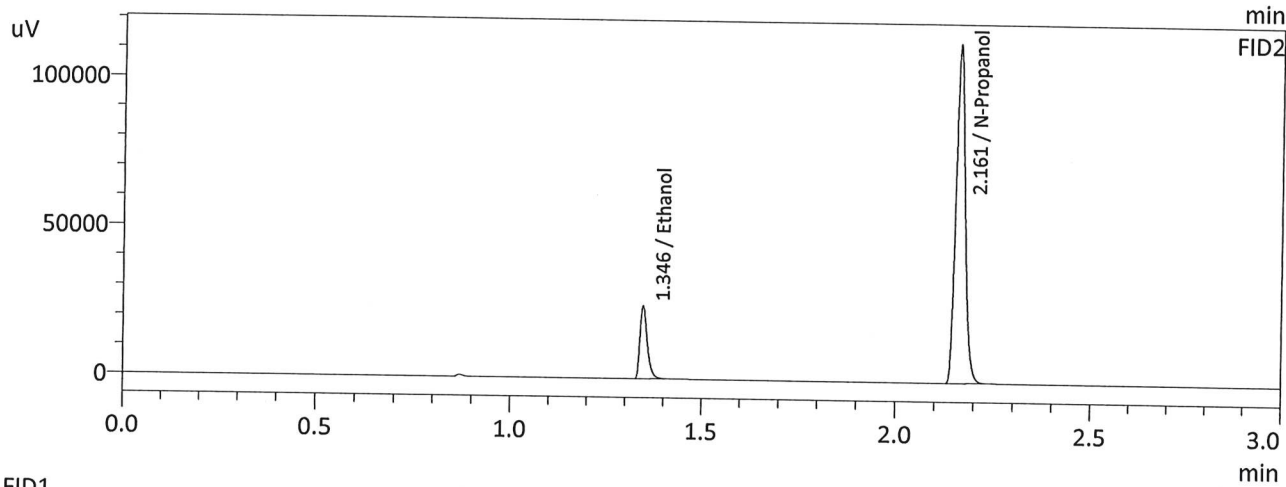
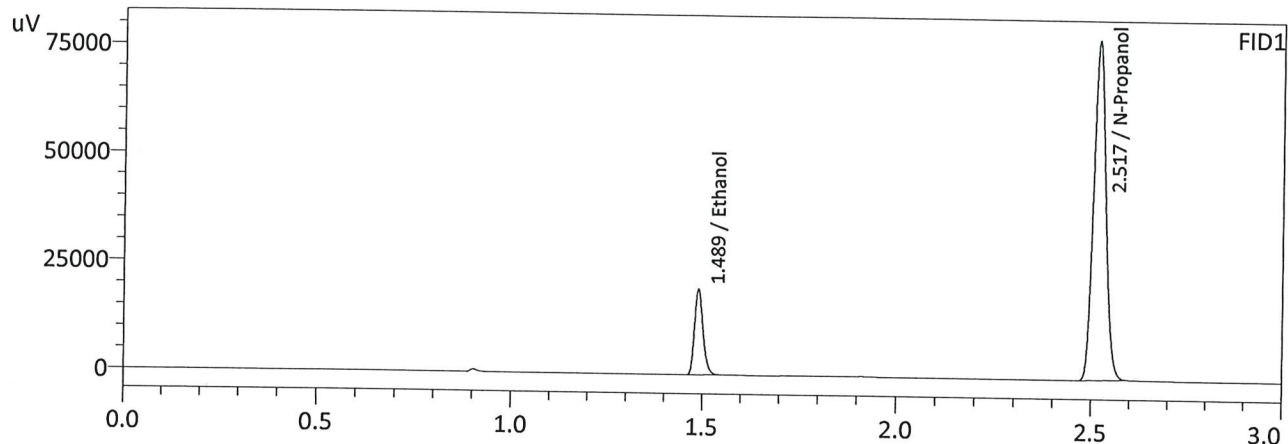
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	31006	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177749	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0796	33369	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192977	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 2/21/2023 4:13:55 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	30444	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	173728	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0799	32704	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	188608	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 2/21/2023 3:49:06 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0769	0.0769	0.0000	0.0769	0.0009	0.0773
(g/100cc)	0.0779	0.0778	0.0001	0.0778		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230210NB.gcm

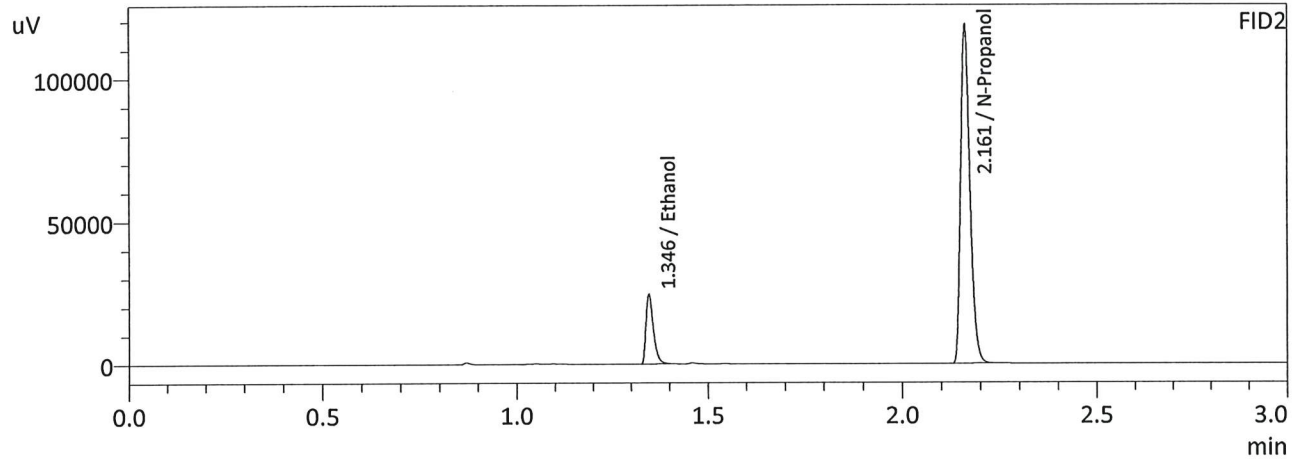
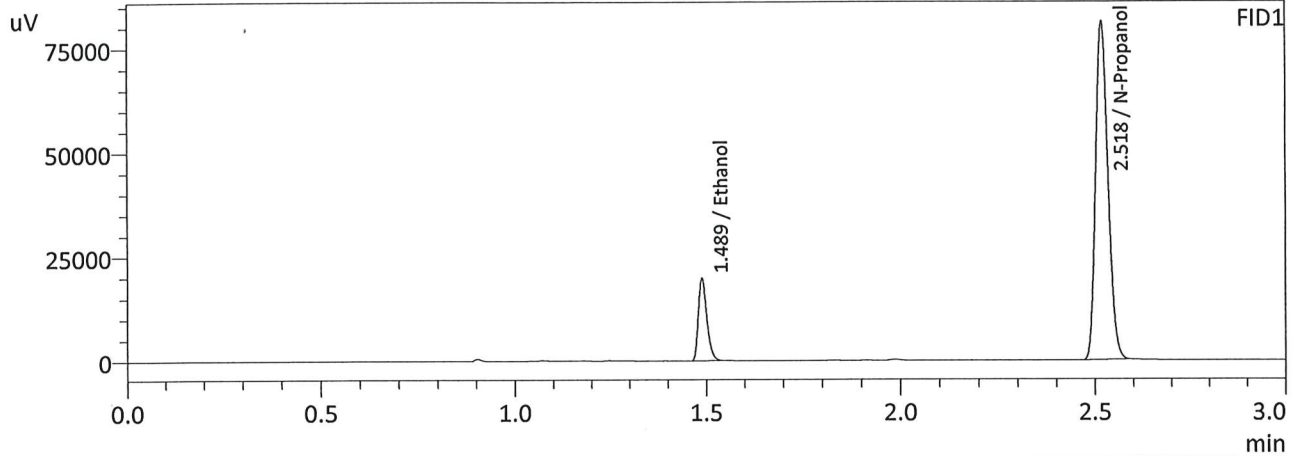
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.077	0.073	0.081	0.004

Reported Results	
0.077	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 2/21/2023 3:49:06 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

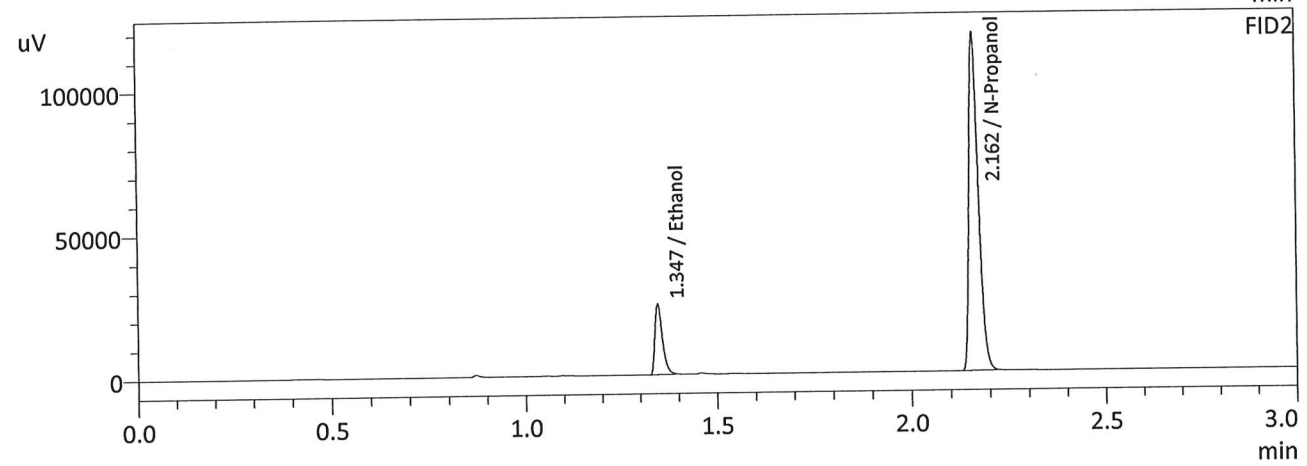
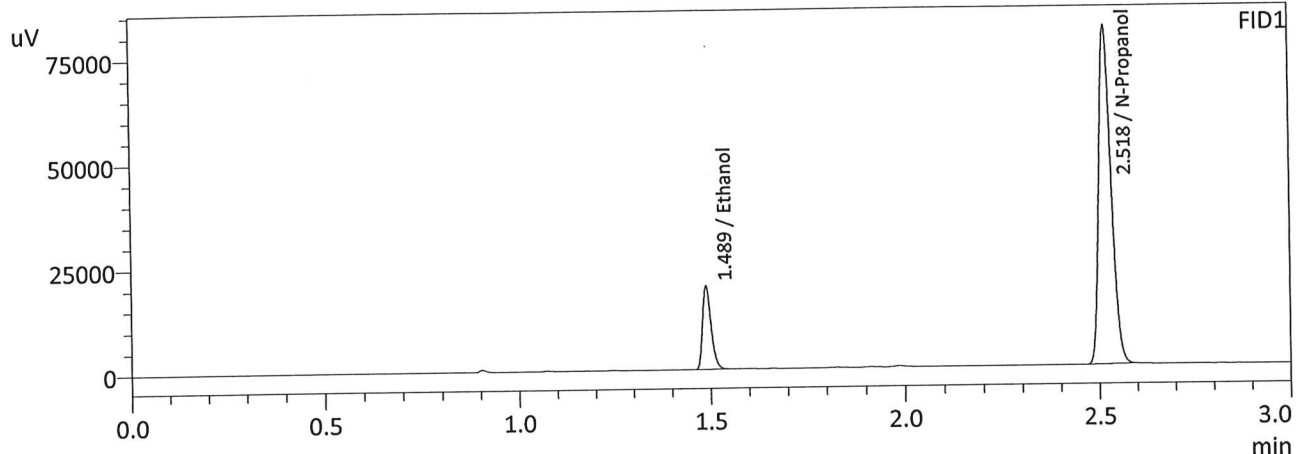
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	30386	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	180667	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	32704	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195990	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 2/21/2023 3:58:01 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0779	30562	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179302	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0778	32927	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194908	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2		Analysis Date(s): 2/21/2023 9:50:52 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0822	0.0825	0.0003	0.0823	0.0001	0.0822
(g/100cc)	0.0821	0.0823	0.0002	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230210NB.gcm

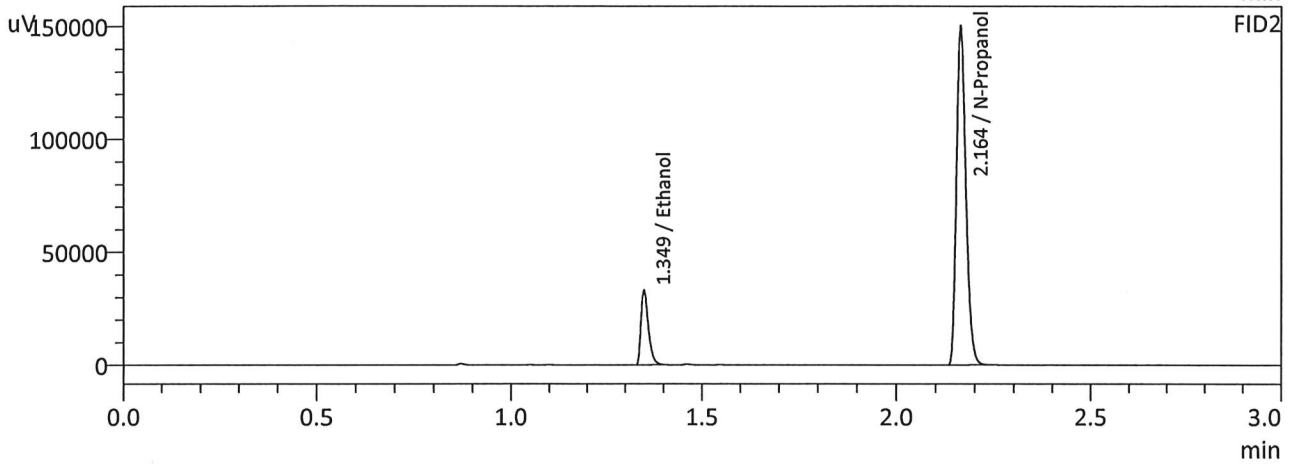
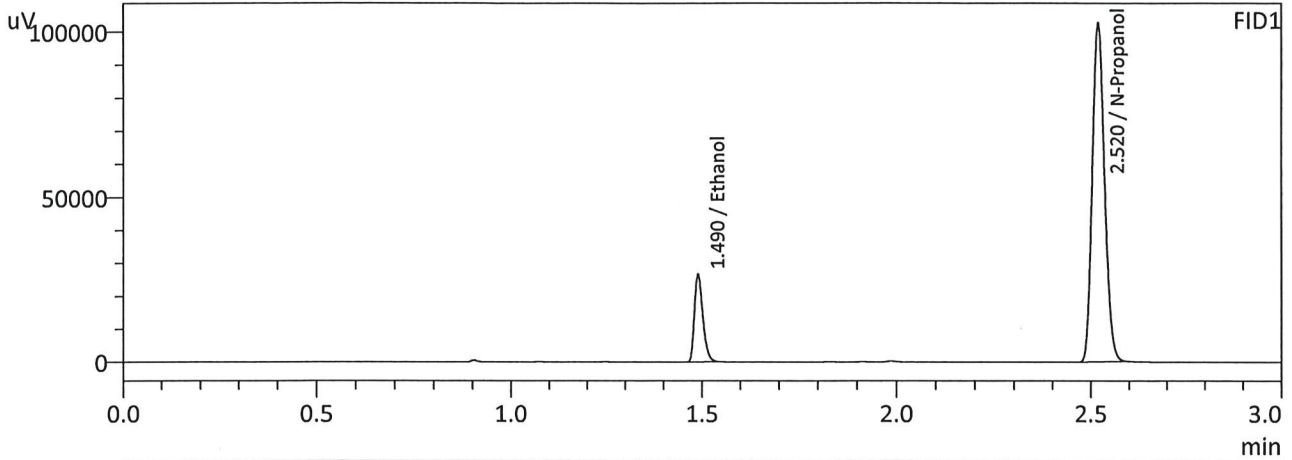
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.082	0.077	0.087	0.005

Reported Results	
0.082	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 2/21/2023 9:50:52 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

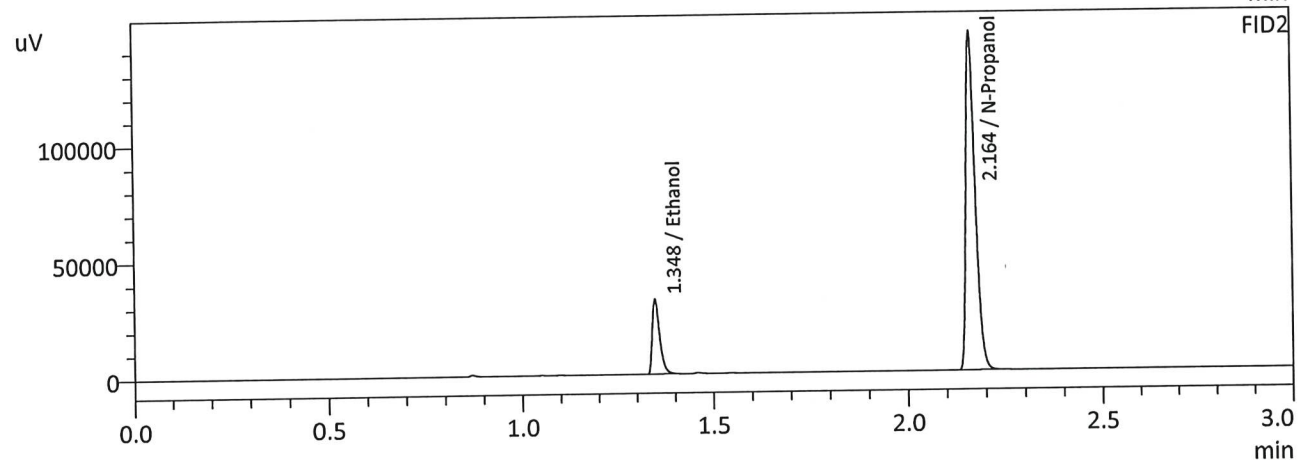
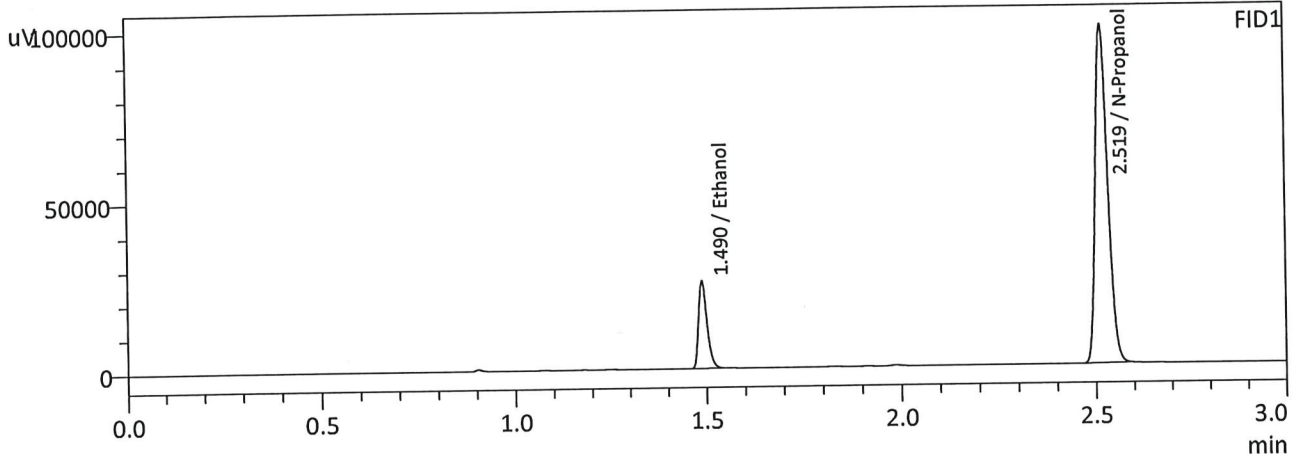
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0822	41043	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228095	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0825	44489	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	248302	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 2/21/2023 10:00:21 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	39742	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	221128	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	43004	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	240557	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1

Analysis Date(s): 2/21/2023 6:49:52 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2106	0.2110	0.0004	0.2108	0.0017	0.2116
(g/100cc)	0.2124	0.2127	0.0003	0.2125		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230210NB.gcm

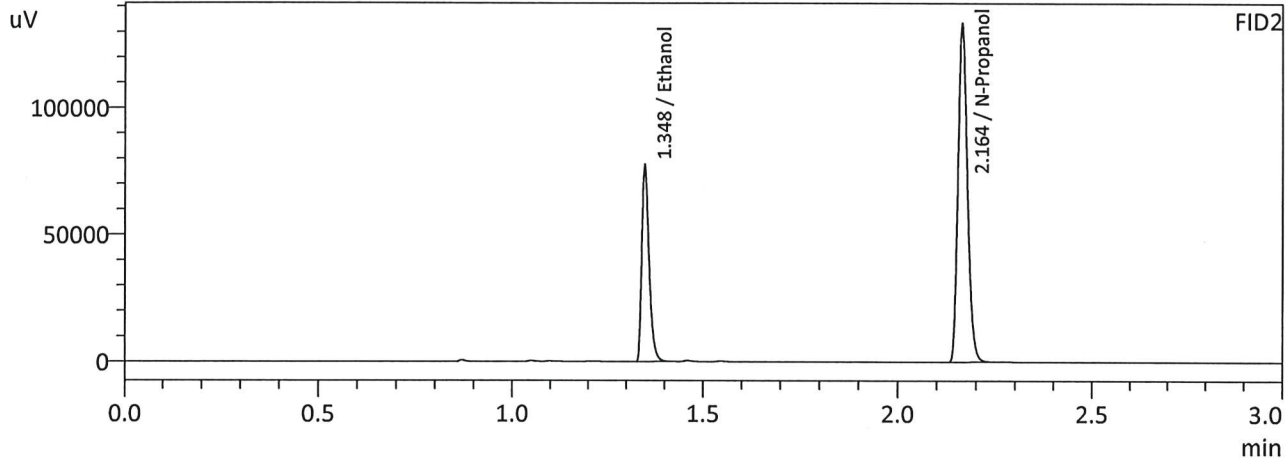
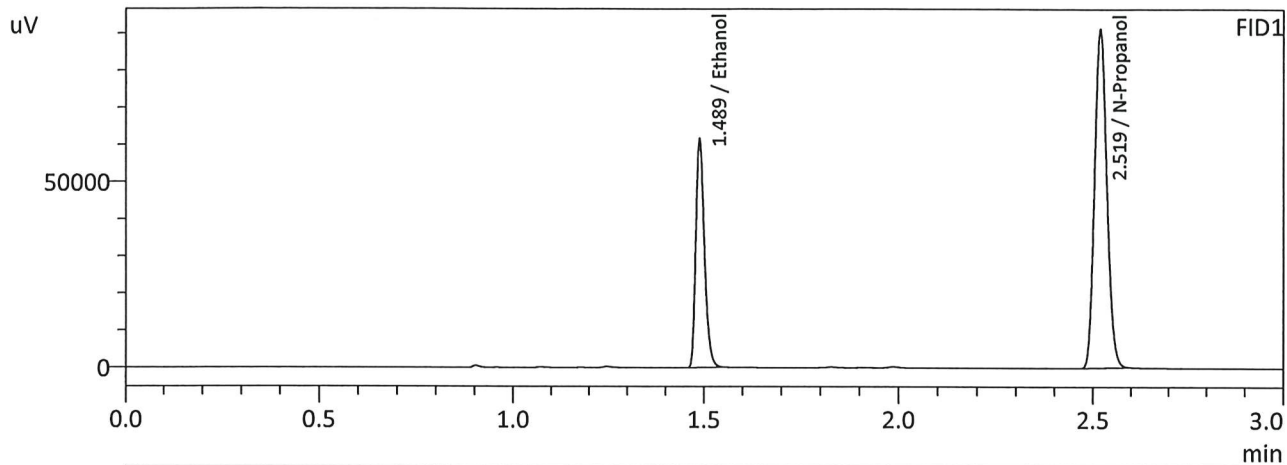
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.211	0.200	0.222	0.011

Reported Results	
0.211	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 2/21/2023 6:49:52 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

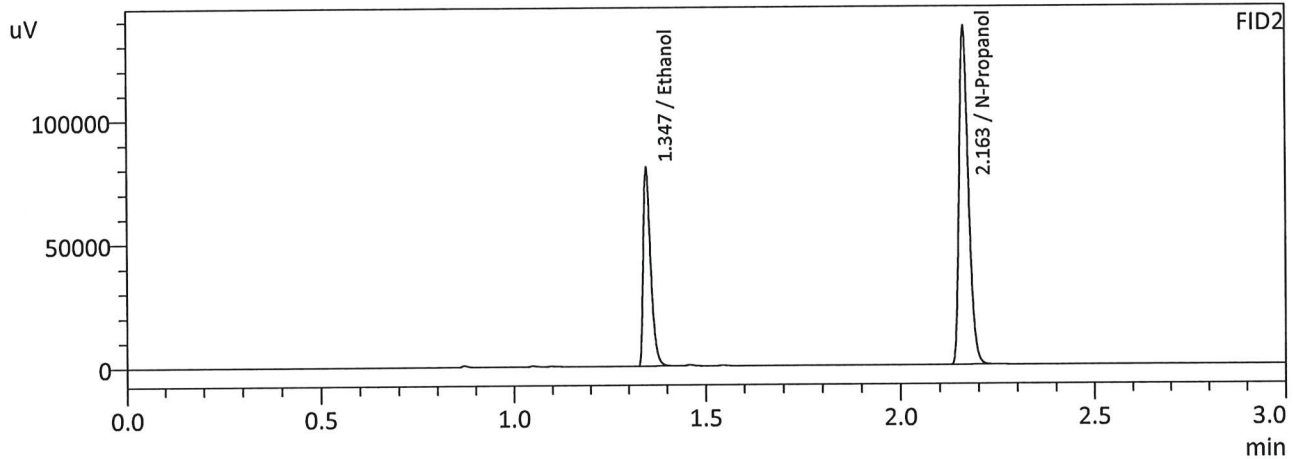
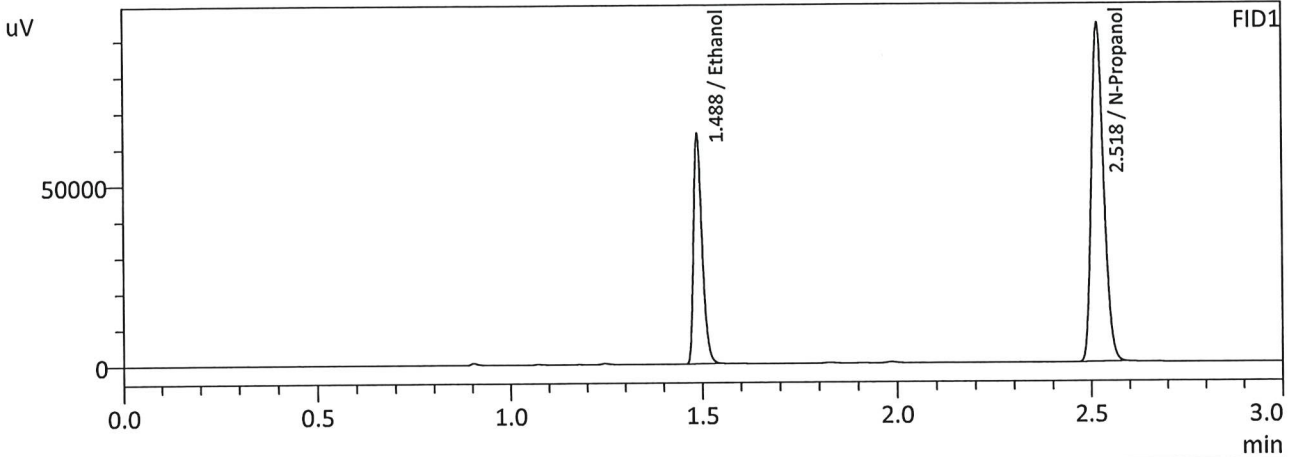
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2106	94577	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203214	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	102719	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221012	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 2/21/2023 6:57:07 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2124	97876	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208441	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2127	106186	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226572	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 2/21/2023 10:57:05 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2122	0.2123	0.0001	0.2122	0.0021	0.2133
(g/100cc)	0.2141	0.2146	0.0005	0.2143		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230210NB.gcm

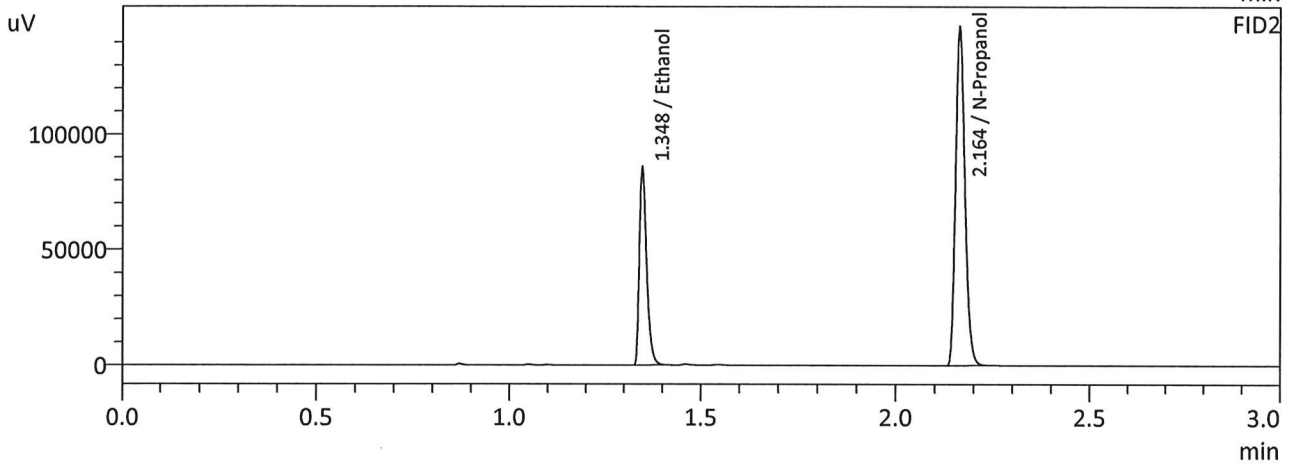
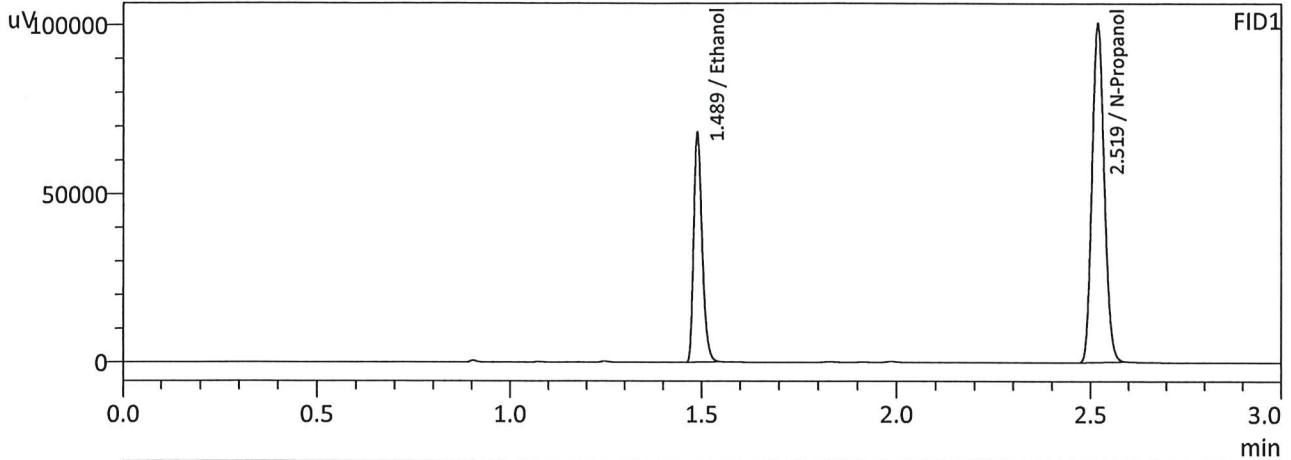
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.213	0.202	0.224	0.011

Reported Results	
0.213	

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-2
 Laboratory : Meridian
 Injection Date : 2/21/2023 10:57:05 PM
 Vial # : 55
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

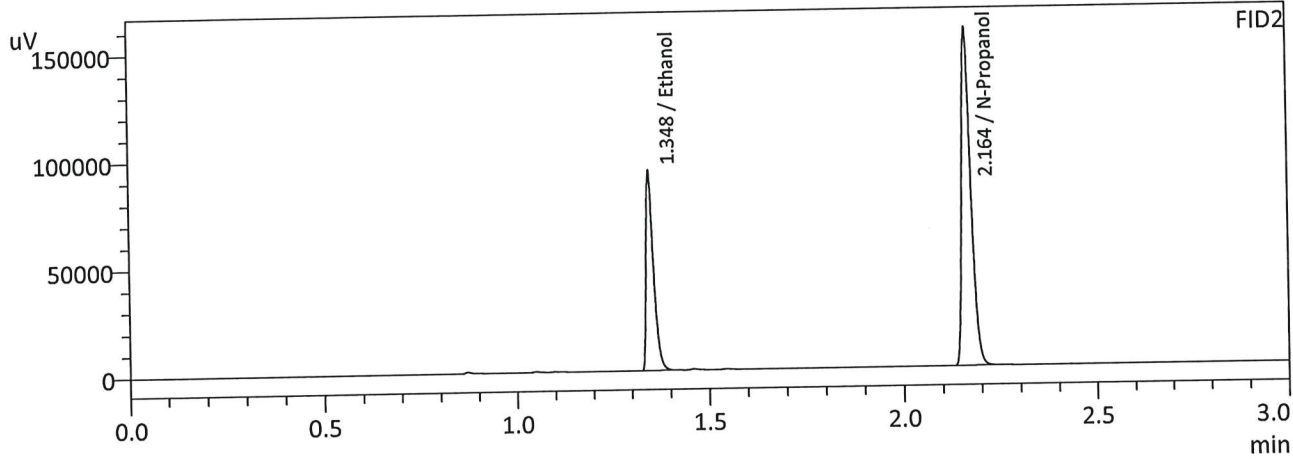
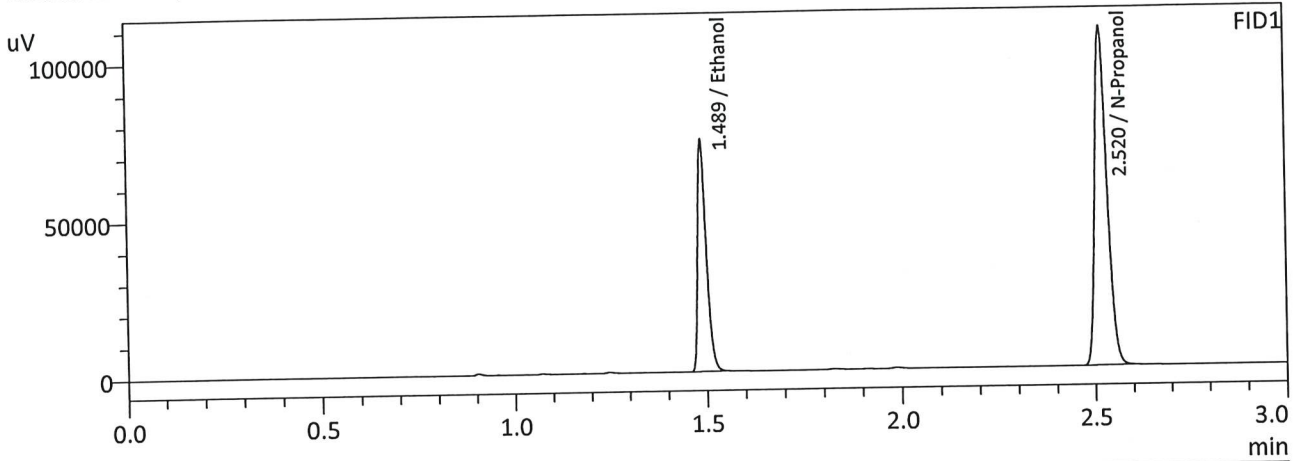
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	104750	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223359	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2123	113650	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	242925	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-2-B
 Laboratory : Meridian
 Injection Date : 2/21/2023 11:05:34 PM
 Vial # : 56
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

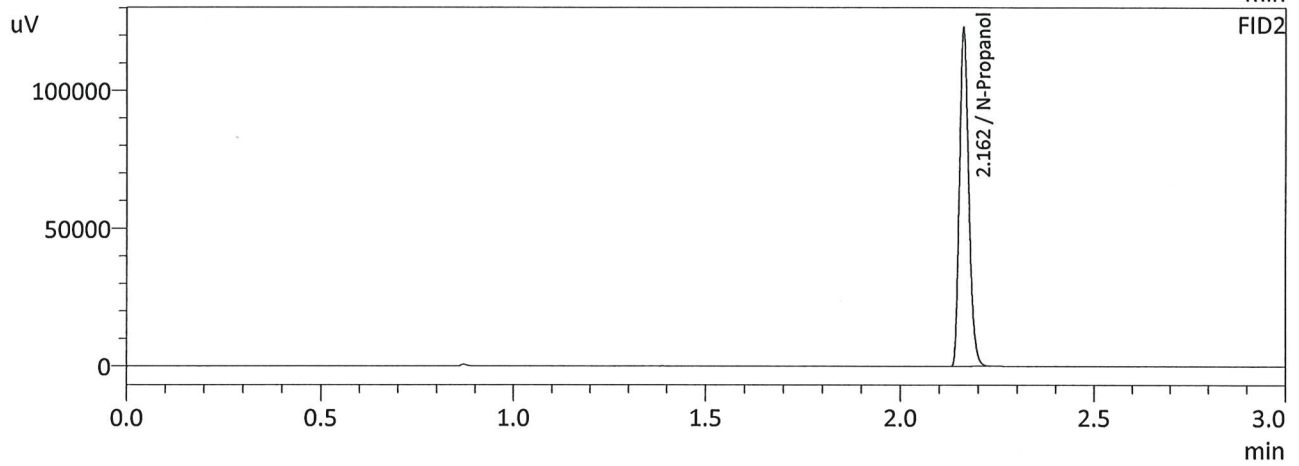
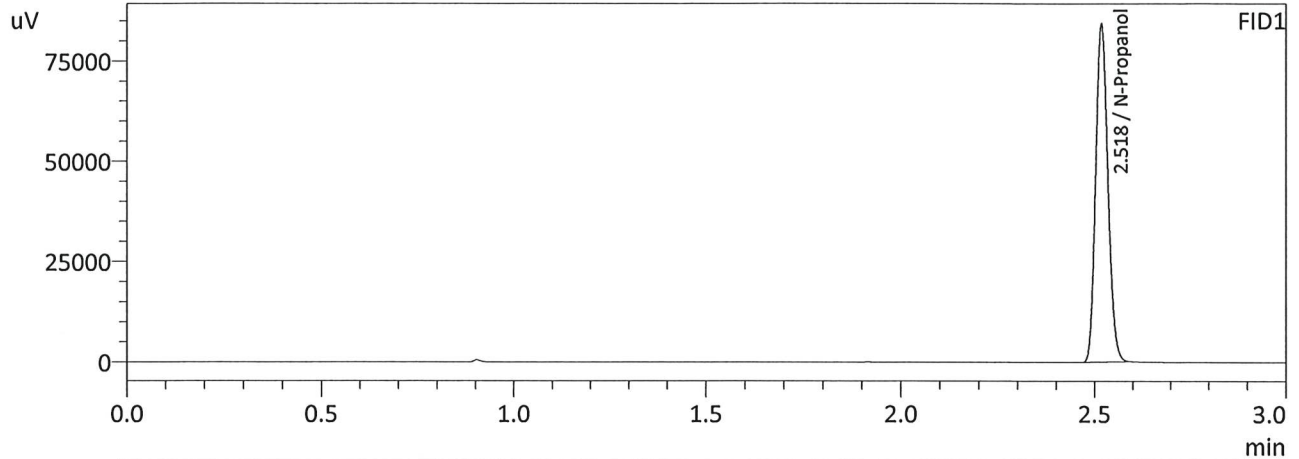
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2141	113269	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239385	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2146	123093	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	260357	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 2/21/2023 3:34:26 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

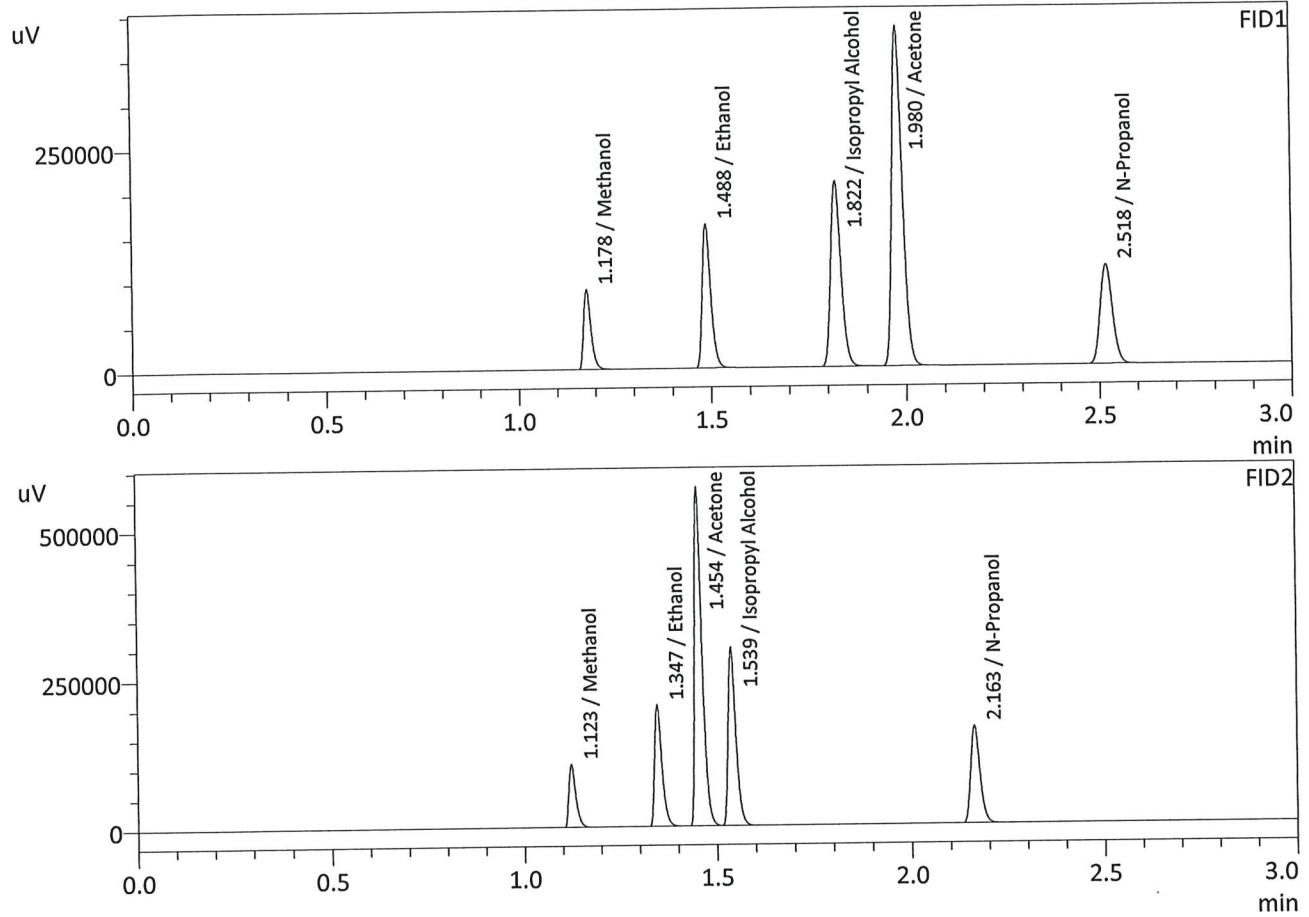
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187640	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203724	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 2/21/2023 3:41:46 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

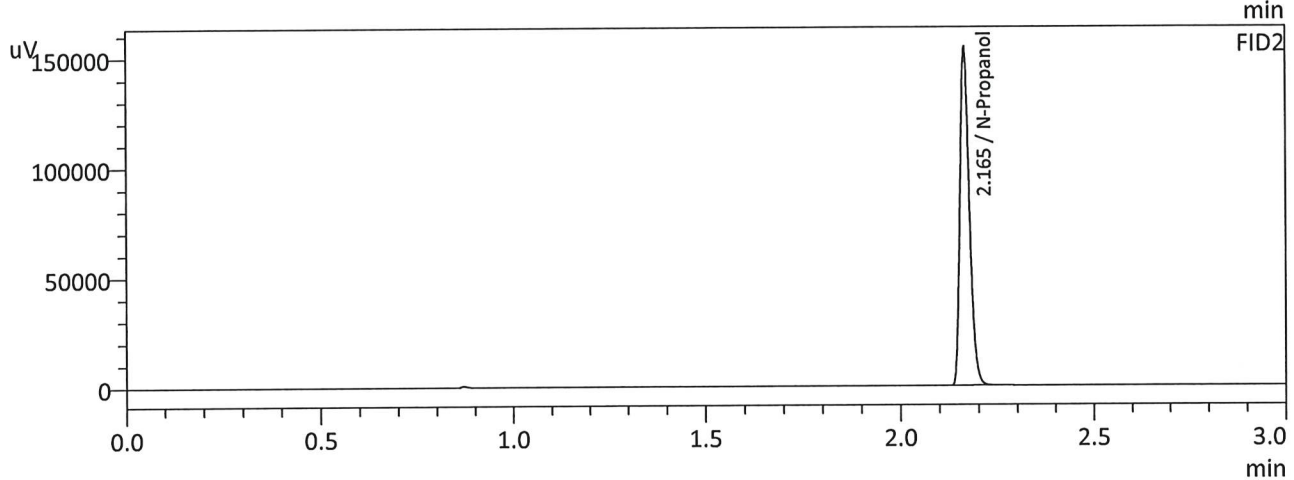
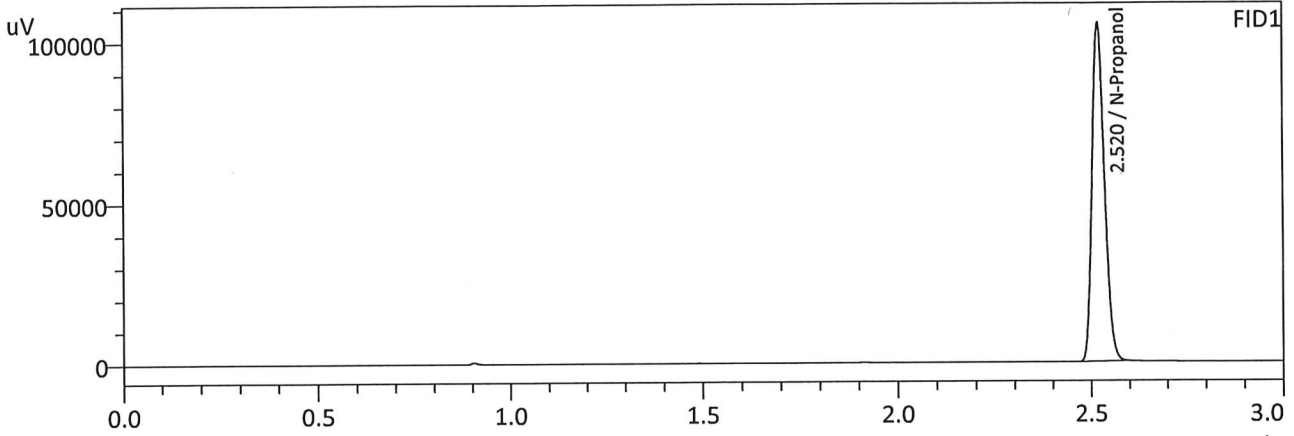
Name	Conc.	Area	Unit
Methanol	0.0000	120579	g/100cc
Ethanol	0.4487	246676	g/100cc
Isopropyl Alcohol	0.0000	382661	g/100cc
Acetone	0.0000	705774	g/100cc
N-Propanol	0.0000	247925	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	130834	g/100cc
Ethanol	0.4495	267129	g/100cc
Acetone	0.0000	764924	g/100cc
Isopropyl Alcohol	0.0000	414411	g/100cc
N-Propanol	0.0000	268531	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 2/21/2023 11:14:42 PM
 Vial # : 57
 Method Filename : Default Project - ALCOHOL_230210NB.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	233983	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	254957	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Meridian Blood Alcohol Analysis Batch Table

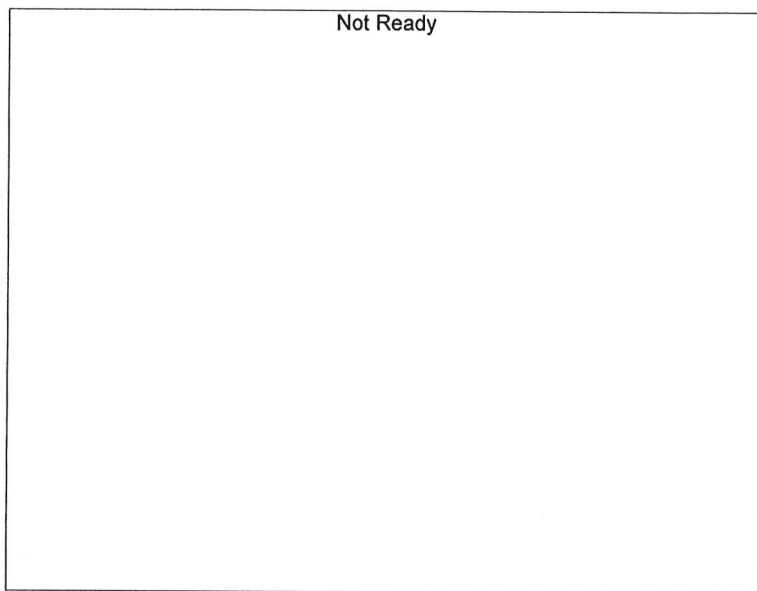
Shimadzu GC-2030 Serial #C12255750548
 Shimadzu HS-20 Serial #C12595800409
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 230210NB.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230210NB.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230210NB.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230210NB.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230210NB.gcm
7	M2023-0608-1	0:Unknown	0	ALCOHOL 230210NB.gcm
8	M2023-0608-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
9	M2023-0623-1	0:Unknown	0	ALCOHOL 230210NB.gcm
10	M2023-0623-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
11	M2023-0624-1	0:Unknown	0	ALCOHOL 230210NB.gcm
12	M2023-0624-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
13	M2023-0625-1	0:Unknown	0	ALCOHOL 230210NB.gcm
14	M2023-0625-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
15	M2023-0626-1	0:Unknown	0	ALCOHOL 230210NB.gcm
16	M2023-0626-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
17	M2023-0627-1	0:Unknown	0	ALCOHOL 230210NB.gcm
18	M2023-0627-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
19	M2023-0638-1	0:Unknown	0	ALCOHOL 230210NB.gcm
20	M2023-0638-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
21	M2023-0641-1	0:Unknown	0	ALCOHOL 230210NB.gcm
22	M2023-0641-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
23	M2023-0642-1	0:Unknown	0	ALCOHOL 230210NB.gcm
24	M2023-0642-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230210NB.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
27	M2023-0694-4	0:Unknown	0	ALCOHOL 230210NB.gcm
28	M2023-0694-4-B	0:Unknown	0	ALCOHOL 230210NB.gcm
29	M2023-0695-2	0:Unknown	0	ALCOHOL 230210NB.gcm
30	M2023-0695-2-B	0:Unknown	0	ALCOHOL 230210NB.gcm
31	M2023-0700-1	0:Unknown	0	ALCOHOL 230210NB.gcm
32	M2023-0700-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
33	M2023-0710-1	0:Unknown	0	ALCOHOL 230210NB.gcm
34	M2023-0710-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
35	M2023-0711-1	0:Unknown	0	ALCOHOL 230210NB.gcm
36	M2023-0711-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
37	M2023-0724-1	0:Unknown	0	ALCOHOL 230210NB.gcm
38	M2023-0724-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
39	M2023-0725-1	0:Unknown	0	ALCOHOL 230210NB.gcm
40	M2023-0725-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
41	M2023-0759-1	0:Unknown	0	ALCOHOL 230210NB.gcm
42	M2023-0759-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
43	M2023-0762-1	0:Unknown	0	ALCOHOL 230210NB.gcm
44	M2023-0762-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
45	M2023-0763-1	0:Unknown	0	ALCOHOL 230210NB.gcm
46	M2023-0763-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 230210NB.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 230210NB.gcm
49	M2023-0778-1	0:Unknown	0	ALCOHOL 230210NB.gcm
50	M2023-0778-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
51	M2023-0782-1	0:Unknown	0	ALCOHOL 230210NB.gcm
52	M2023-0782-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
53	P2023-0517-1	0:Unknown	0	ALCOHOL 230210NB.gcm
54	P2023-0517-1-B	0:Unknown	0	ALCOHOL 230210NB.gcm
55	QC-2-2	0:Unknown	0	ALCOHOL 230210NB.gcm
56	QC-2-2-B	0:Unknown	0	ALCOHOL 230210NB.gcm
57	ISTD BLK 2	0:Unknown	0	ALCOHOL 230210NB.gcm

Calibration Table

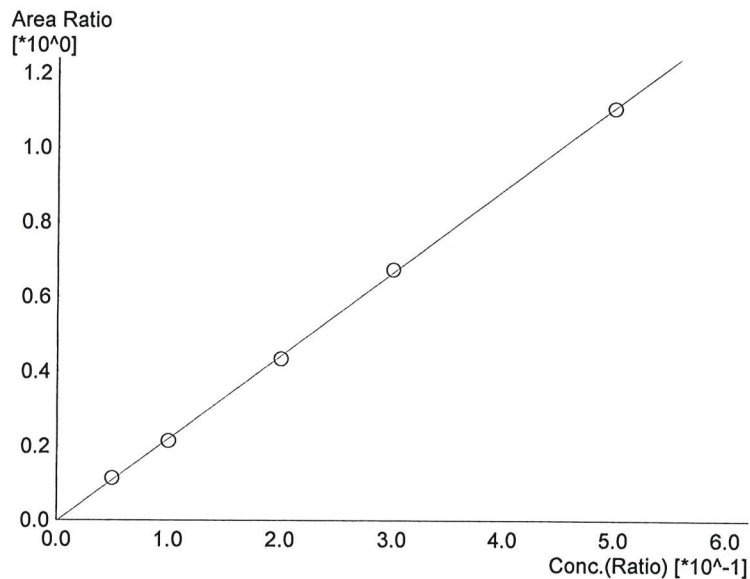
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
 Method File :Default Project - ALCOHOL_230210NB.gcm
 Date Created :2/10/2023 1:33:45 PM
 Date Modified :2/10/2023 3:36:59 PM



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

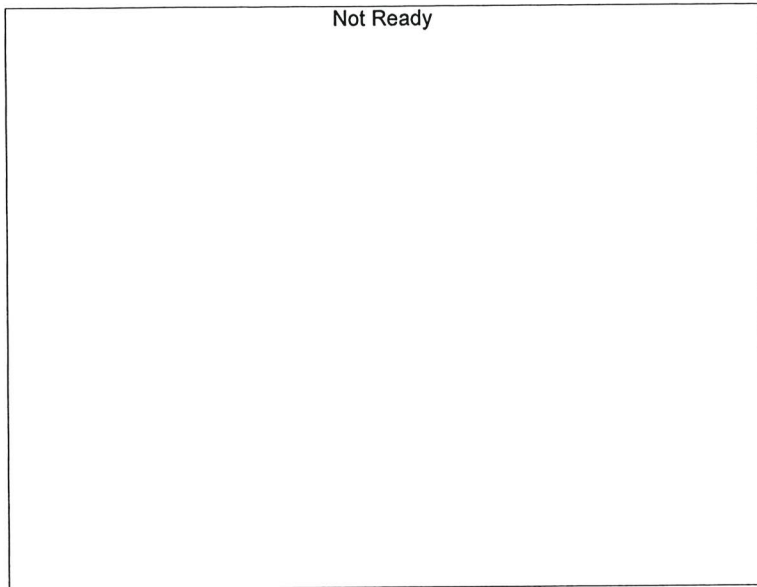
#	Conc.	Area	Std. Conc.
---	-------	------	------------



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.22386*x-0.00298631$
 R² value= 0.9996943
 FitType: Linear
 ZeroThrough: Not Through

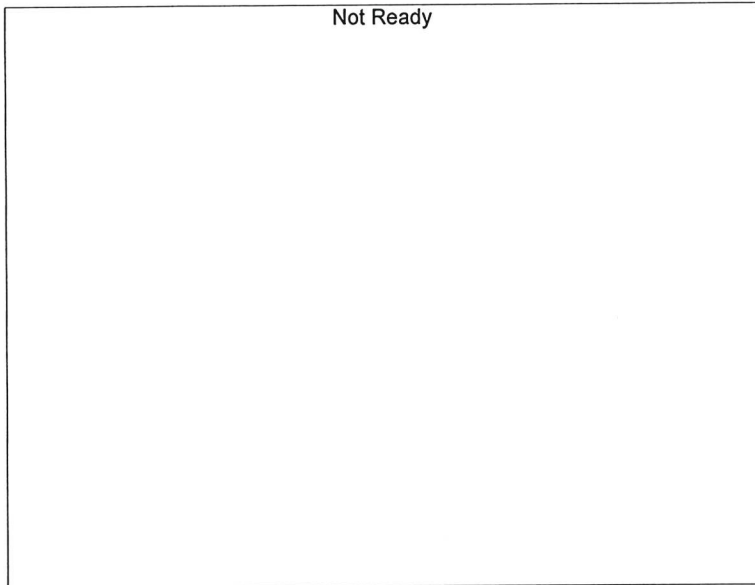
#	Conc.	Area	Std. Conc.
1	0.050	23171	0.0526
2	0.100	39427	0.0976
3	0.200	80233	0.1966
4	0.300	125233	0.3038
5	0.500	211324	0.4992

NB



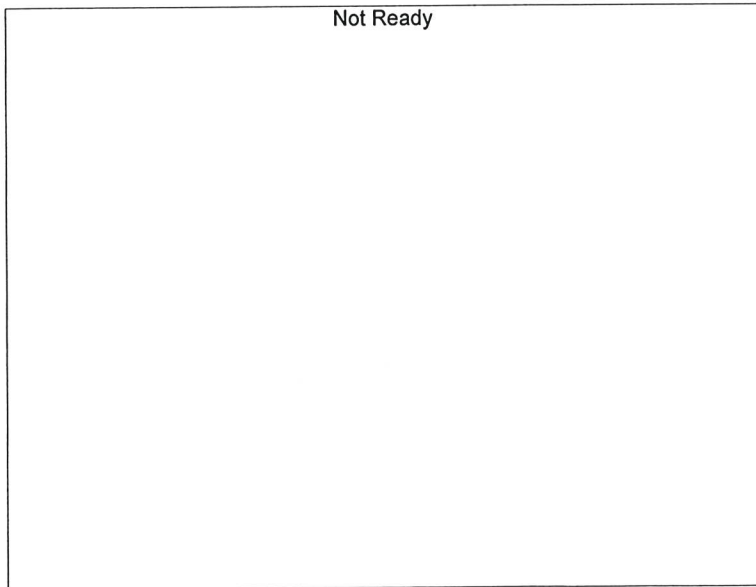
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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



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

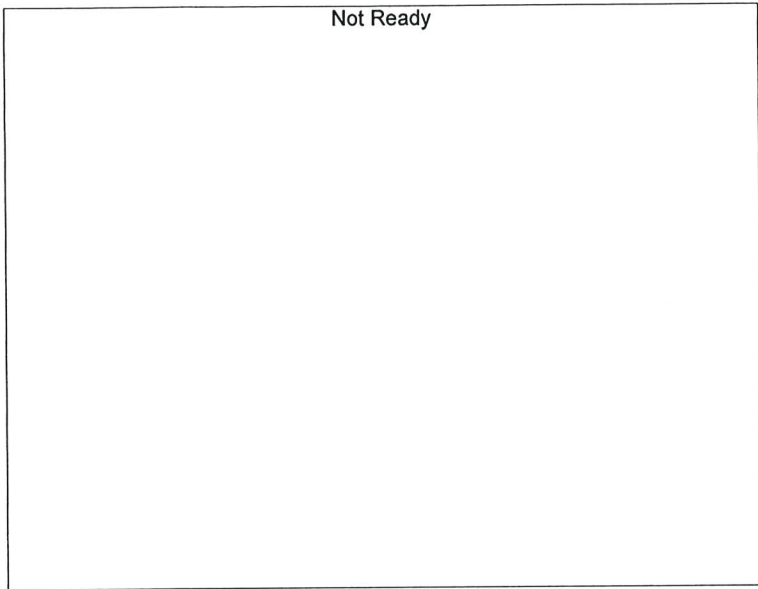
#	Conc.	Area	Std. Conc.
---	-------	------	------------



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

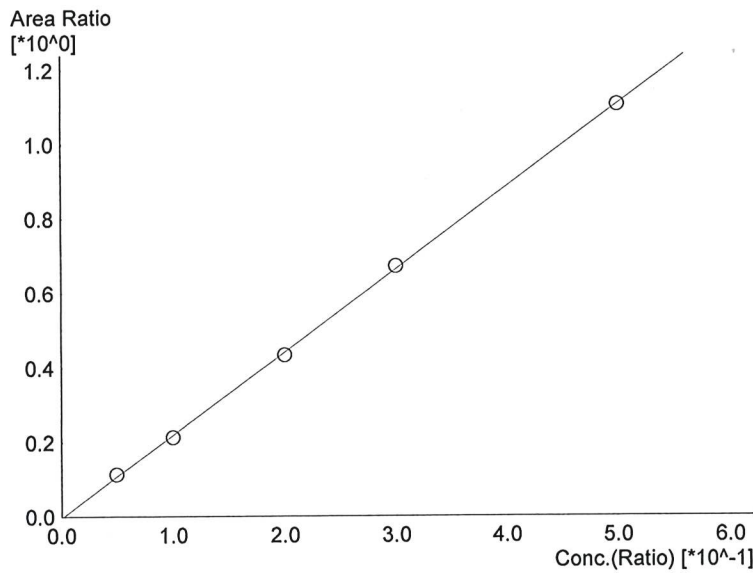
#	Conc.	Area	Std. Conc.
---	-------	------	------------

NR



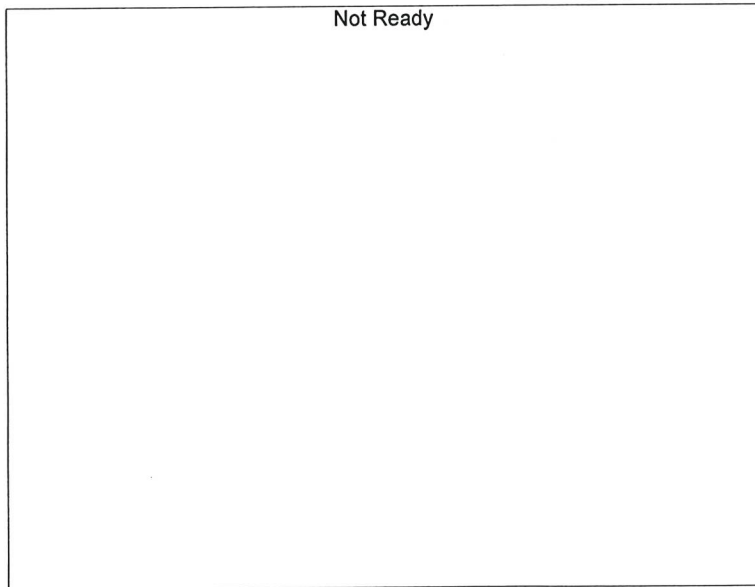
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

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



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.22234*x-0.00417685$
 R² value= 0.9996765
 FitType: Linear
 ZeroThrough: Not Through

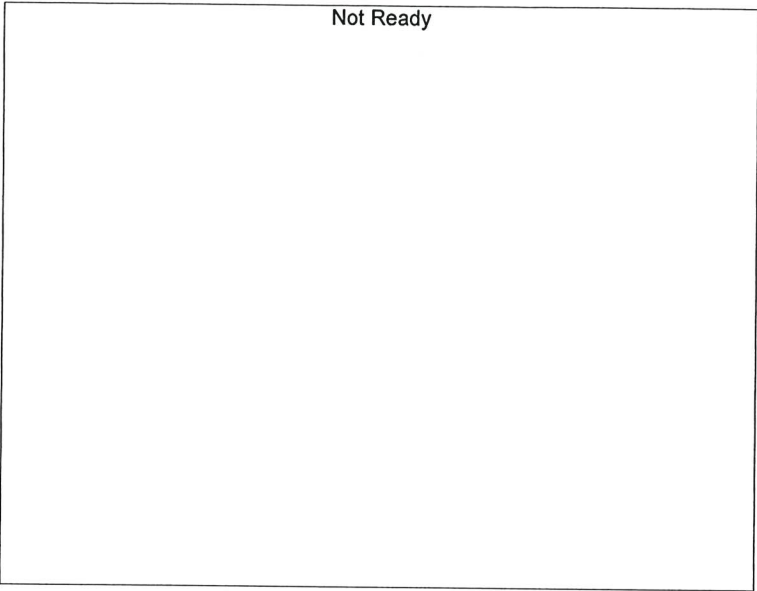
#	Conc.	Area	Std. Conc.
1	0.050	24969	0.0527
2	0.100	42441	0.0974
3	0.200	86791	0.1966
4	0.300	135759	0.3039
5	0.500	228830	0.4992



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

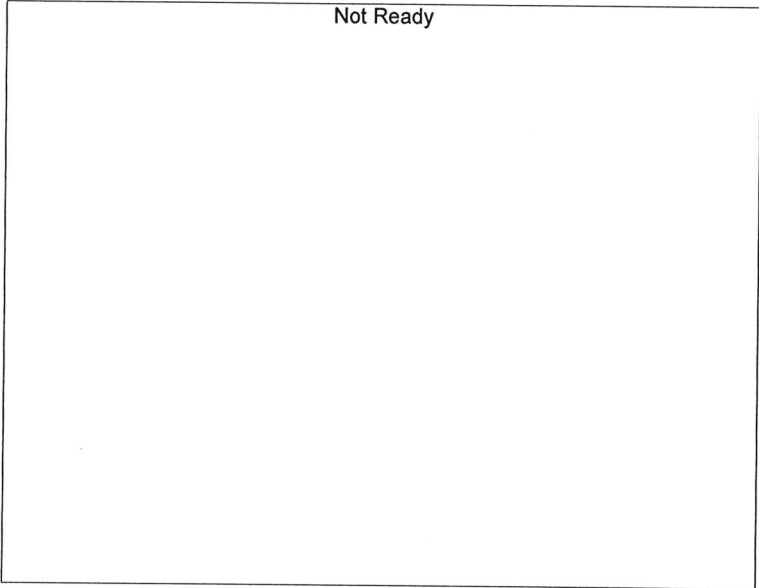
#	Conc.	Area	Std. Conc.
---	-------	------	------------

NB



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

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

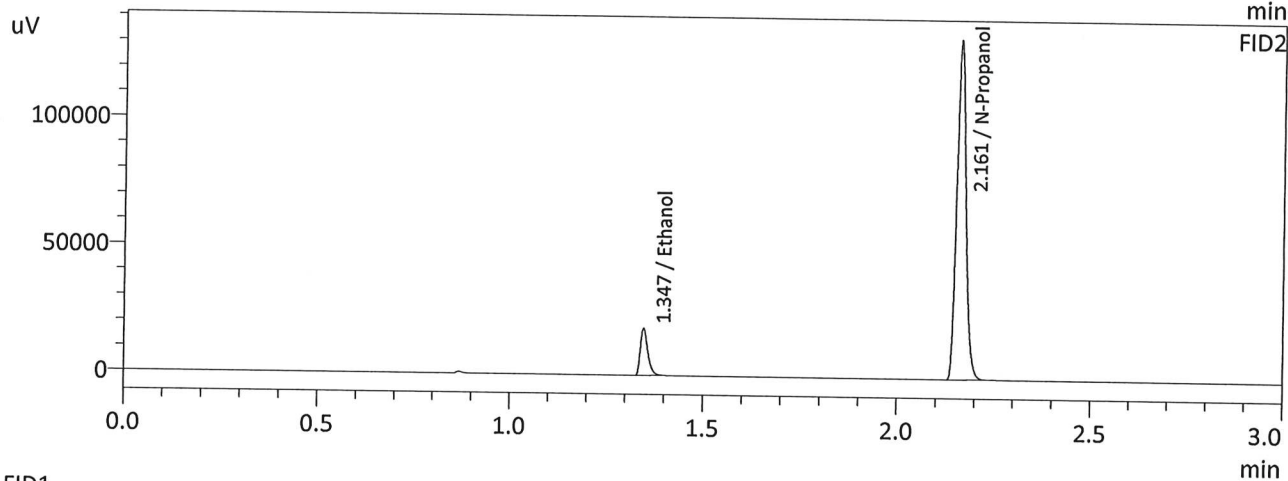
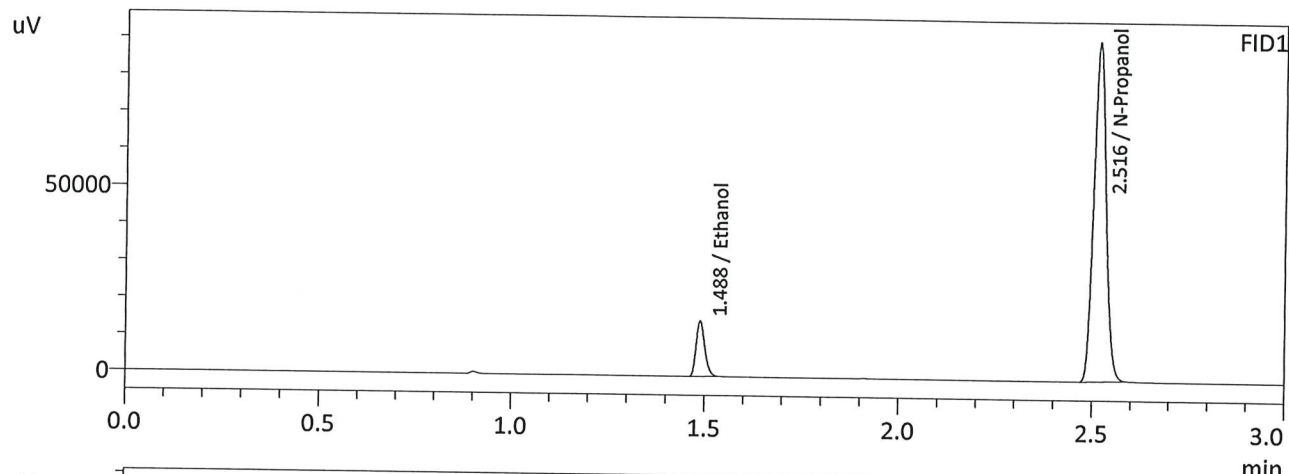


Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

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

NB

Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:16:31 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

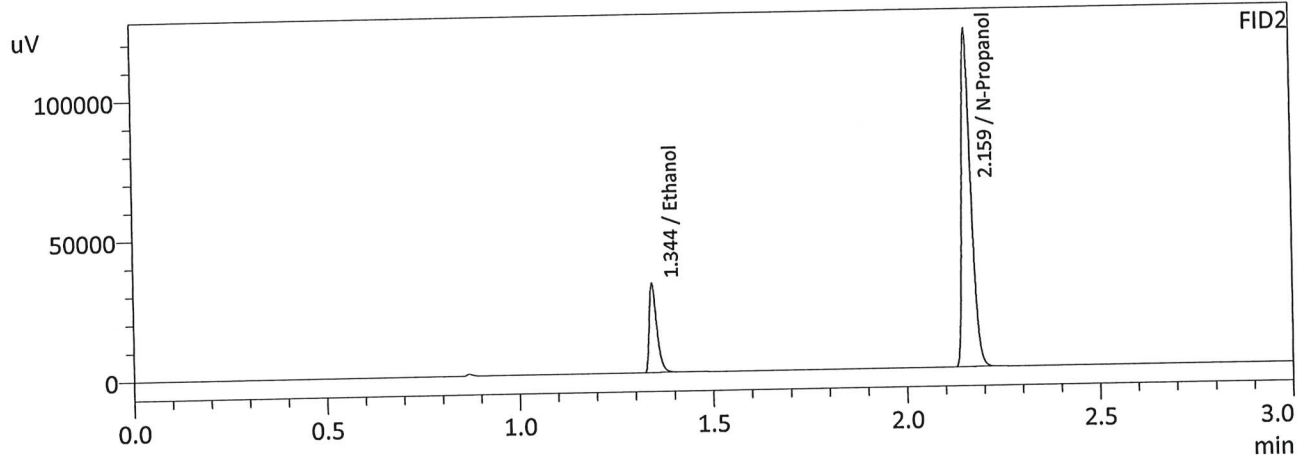
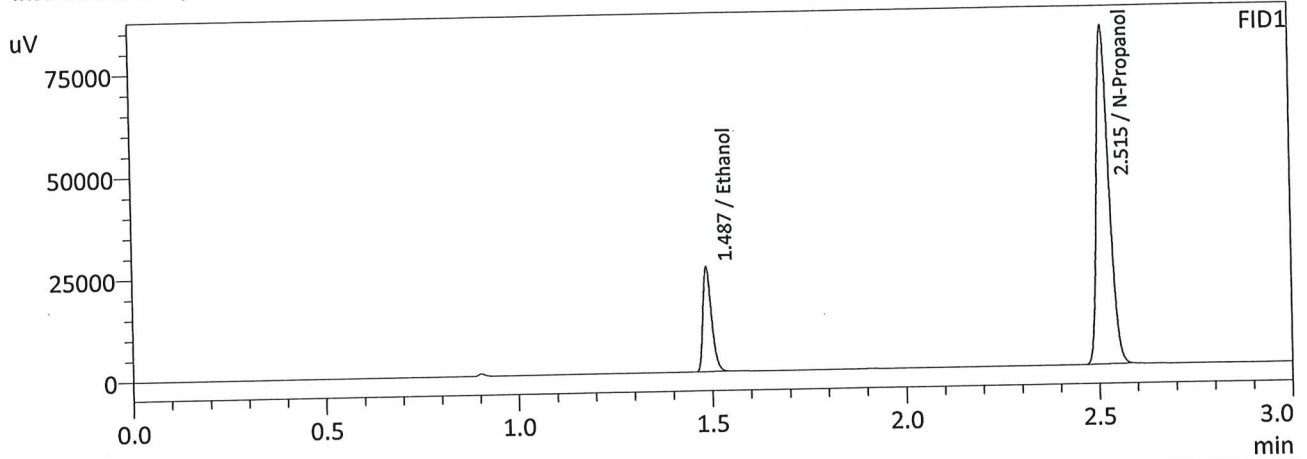
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0526	23171	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203074	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0527	24969	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220839	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

LB

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:23:44 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

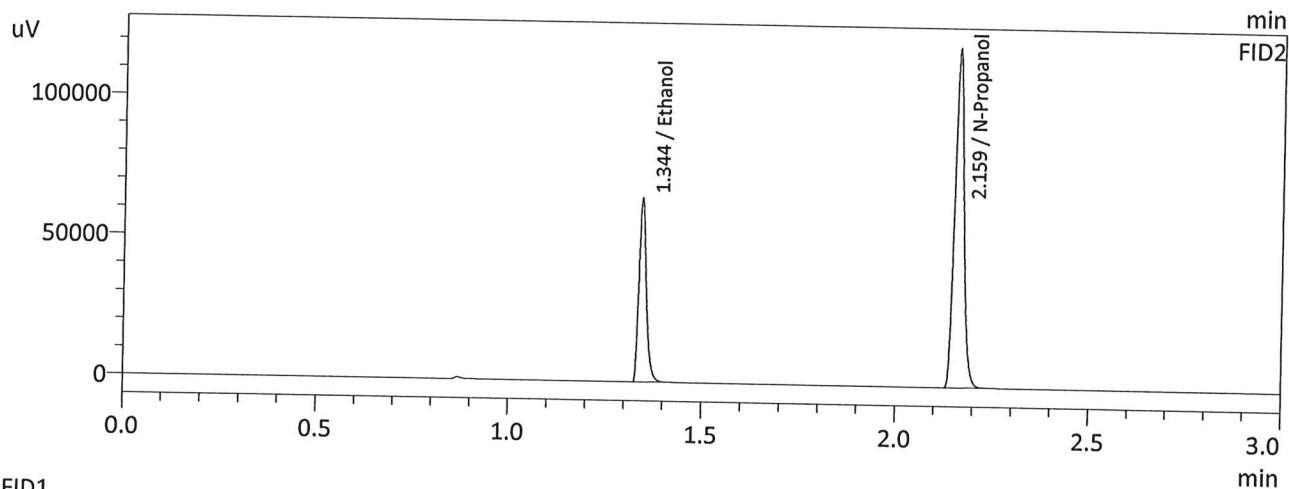
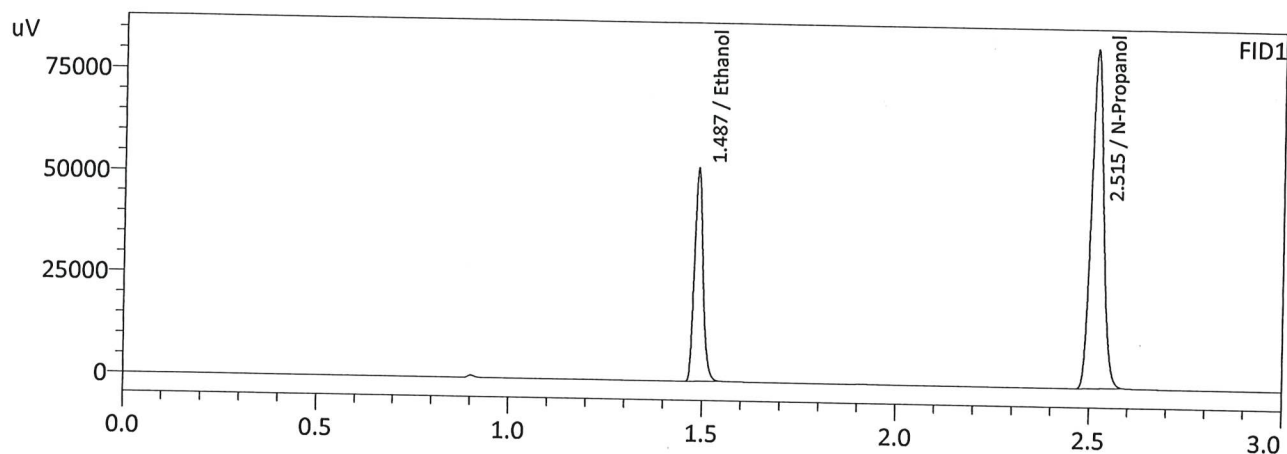
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0976	39427	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184174	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0974	42441	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199876	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:31:28 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

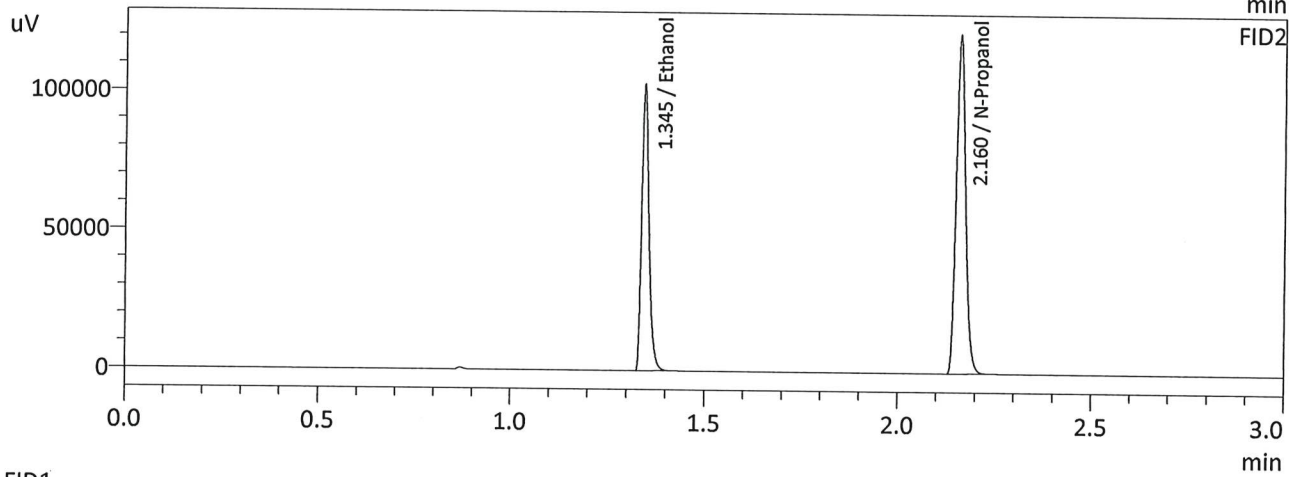
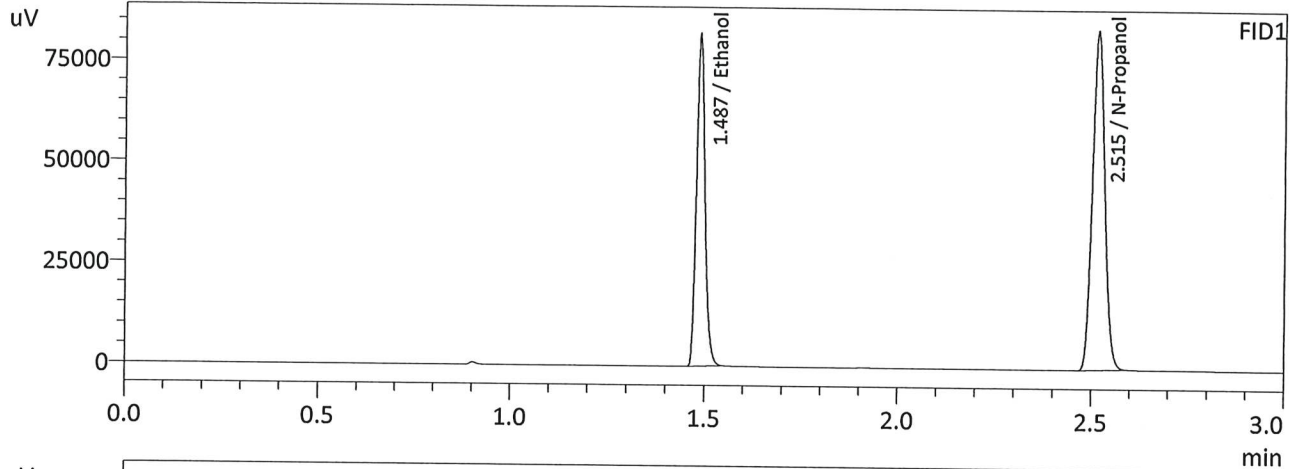
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1966	80233	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184713	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1966	86791	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200485	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:40:02 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

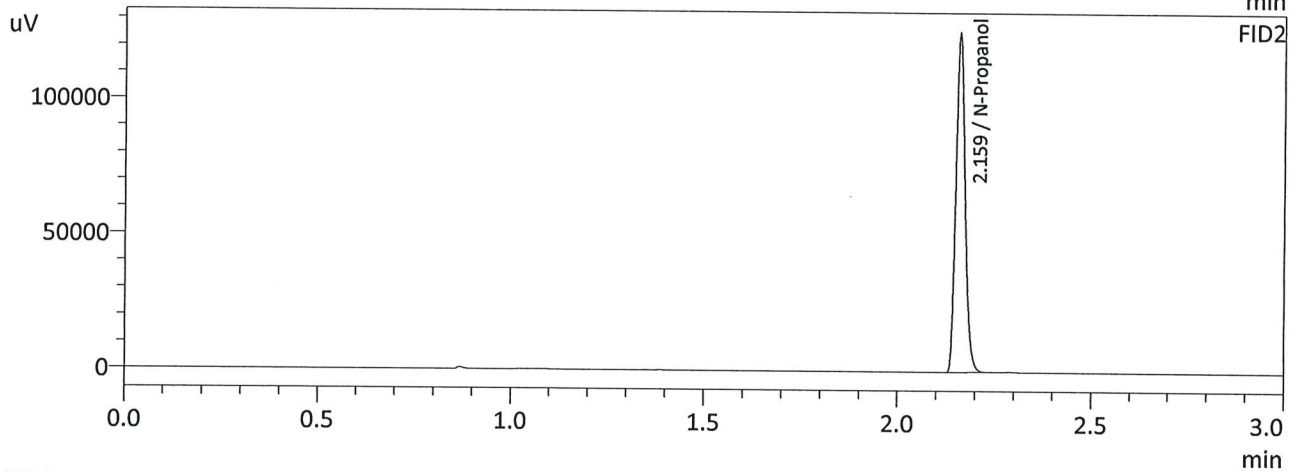
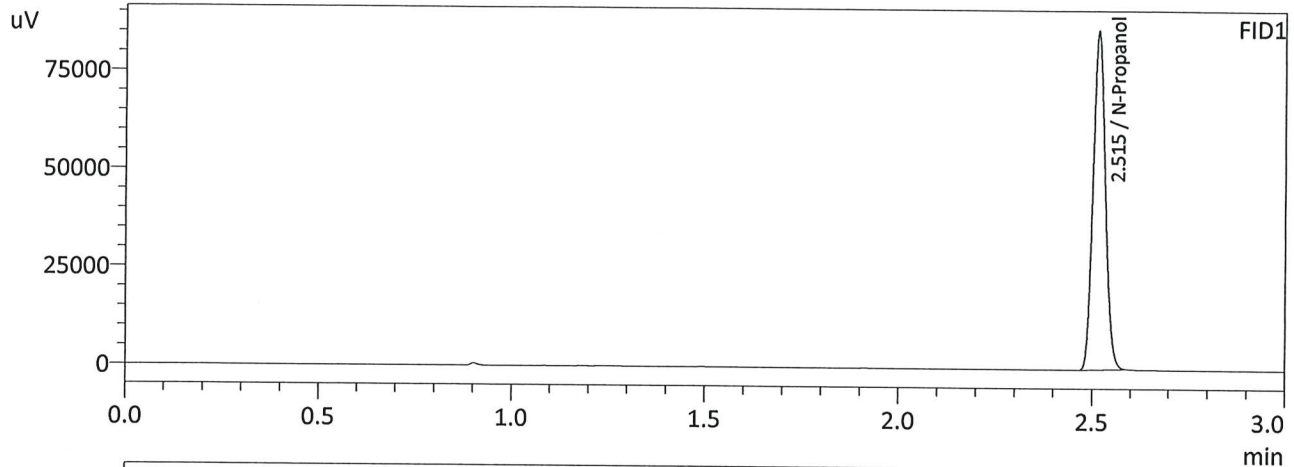
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3038	125233	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186167	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3039	135759	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202238	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:56:11 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230210NB.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	191690	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	208332	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

NB

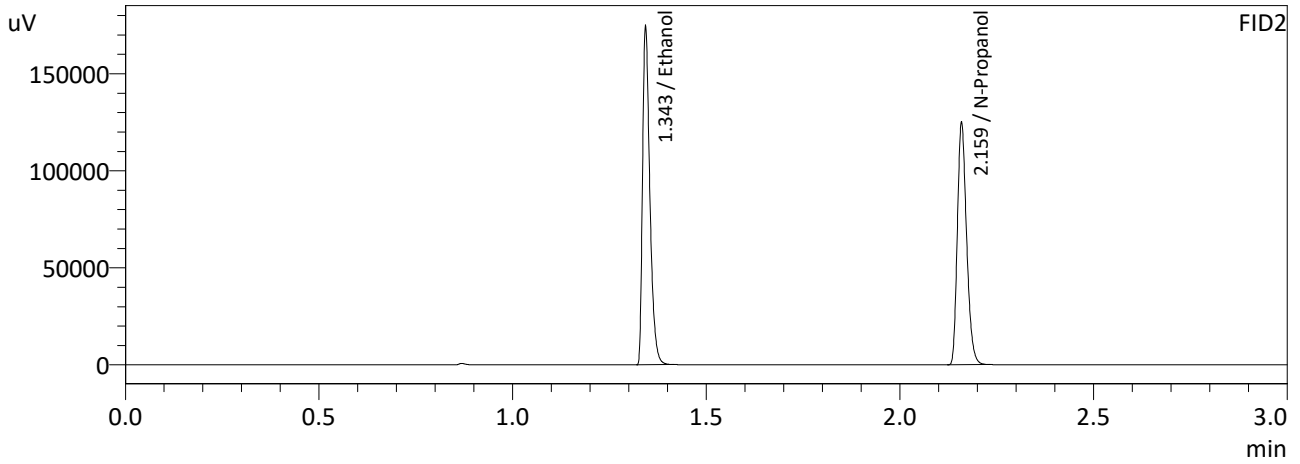
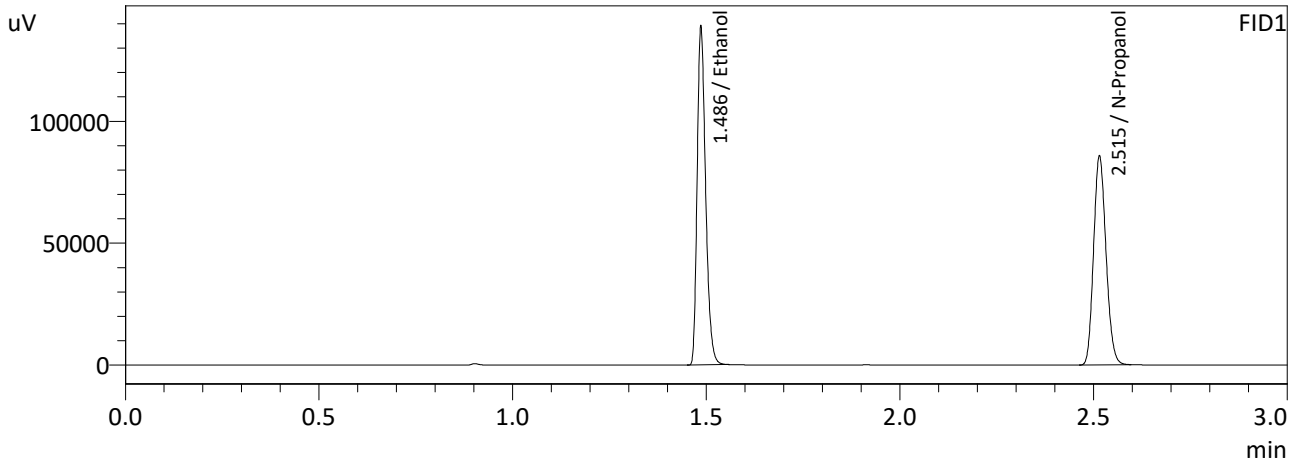
Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99
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Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	0:Unknown	1	ALCOHOL 230210NB.gcm
2	0.100	0:Unknown	2	ALCOHOL 230210NB.gcm
3	0.200	0:Unknown	3	ALCOHOL 230210NB.gcm
4	0.300	0:Unknown	4	ALCOHOL 230210NB.gcm
5	0.500	0:Unknown	5	ALCOHOL 230210NB.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230210NB.gcm

NB

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 2/10/2023 2:48:33 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230210NB.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4992	211324	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190850	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4992	228830	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207043	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc