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): 5/31/23**

Calibration Date: *(if different)* **5/19/23**

Worklist #: 6384

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0832 g/100cc
					0.0831 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2077 g/100cc
					0.2168 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99987	Column2	0.99987

REVIEWED
By Galina Giso at 2:00 pm, Jun 01, 2023

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0518	0.0517	1E-04	0.0517
100	0.100	0.090 - 0.110	0.1005	0.1007	0.0002	0.1006
200	0.200	0.180 - 0.220	0.1979	0.1978	1E-04	0.1978
300	0.300	0.270 - 0.330	0.2977	0.2977	0	0.2977
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5018	0.5018	0	0.5018

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

JC

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #: 6384 **Run Date(s):** 5/31/23

Internal Standard Solution:	Prep Date: 2/24/2023	Exp Date: 8/24/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	178578	198971
0.080	175263	194795
QC1	195443	216958
QC1	194112	215487
QC1	202100	223273
QC1	216018	238740
QC1		
QC1		
QC2	175185	194506
QC2	177781	197439
QC2	206677	228088
QC2	213459	235569
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	193461.6	154769.3	232153.9
Column 2	214382.6	171506.1	257259.1

JG

Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

6/1/2023

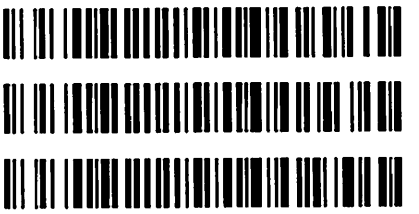
Worklist: 6384

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-2146	1	BCK	Alcohol Analysis
M2023-2171	1	BCK	Alcohol Analysis
M2023-2187	1	BCK	Alcohol Analysis
M2023-2188	1	BCK	Alcohol Analysis
M2023-2189	1	BCK	Alcohol Analysis
M2023-2190	1	BCK	Alcohol Analysis
M2023-2202	1	BCK	Alcohol Analysis
M2023-2214	1	BCK	Alcohol Analysis
M2023-2225	1	BCK	Alcohol Analysis
M2023-2226	1	BCK	Alcohol Analysis
M2023-2227	1	BCK	Alcohol Analysis
M2023-2235	1	BCK	Alcohol Analysis
M2023-2236	1	BCK	Alcohol Analysis
M2023-2246	1	BCK	Alcohol Analysis
M2023-2247	1	BCK	Alcohol Analysis
M2023-2250	1	BCK	Alcohol Analysis
M2023-2302	1	BCK	Alcohol Analysis
M2023-2303	1	BCK	Alcohol Analysis
M2023-2312	1	BCK	Alcohol Analysis
M2023-2313	1	BCK	Alcohol Analysis
M2023-2314	1	BCK	Alcohol Analysis

JC

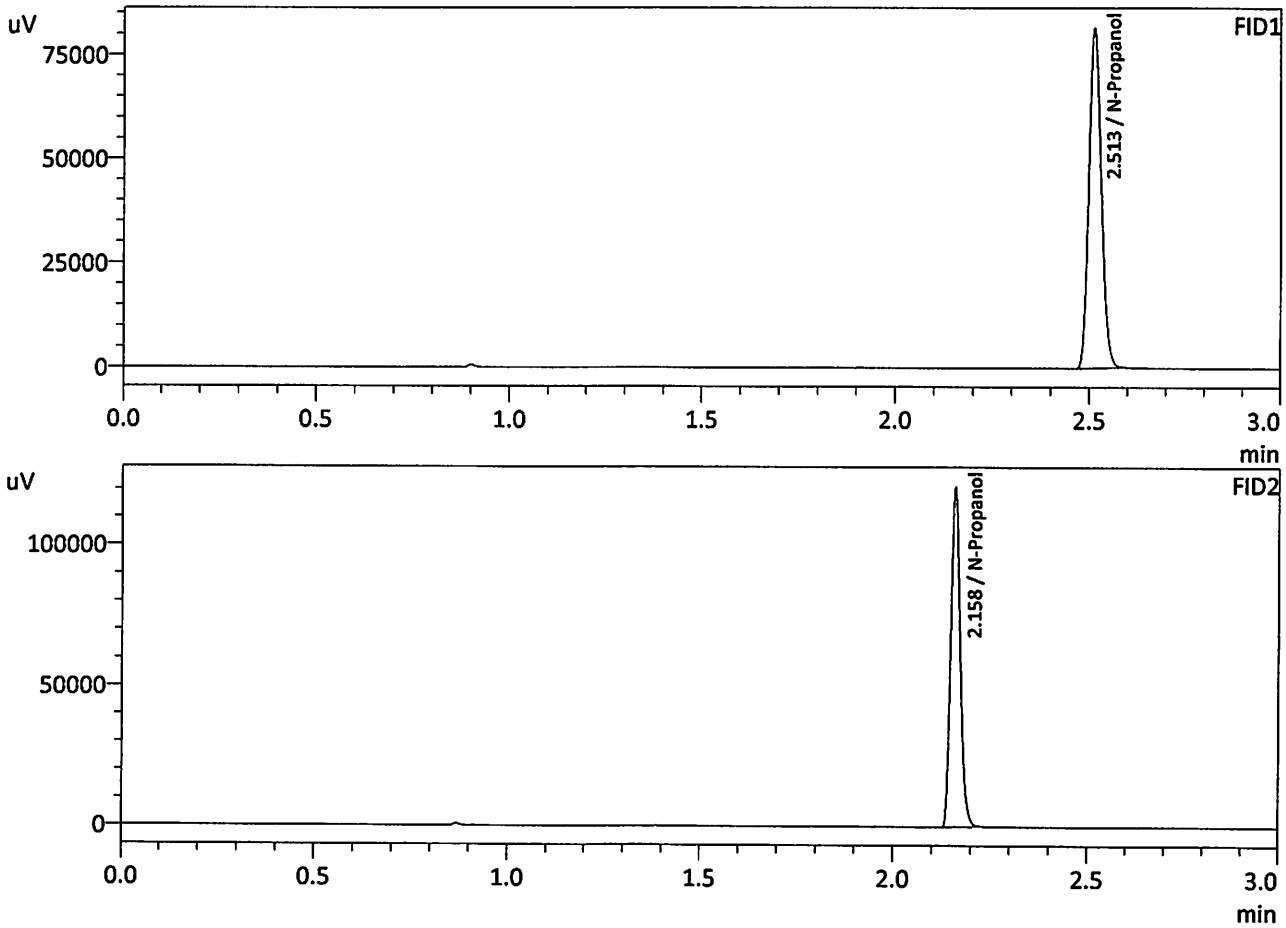
Worklist: 6384

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-2315	1	BCK	Alcohol Analysis
M2023-2316	1	BCK	Alcohol Analysis
M2023-2317	1	BCK	Alcohol Analysis



JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 5/31/2023 10:42:01 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

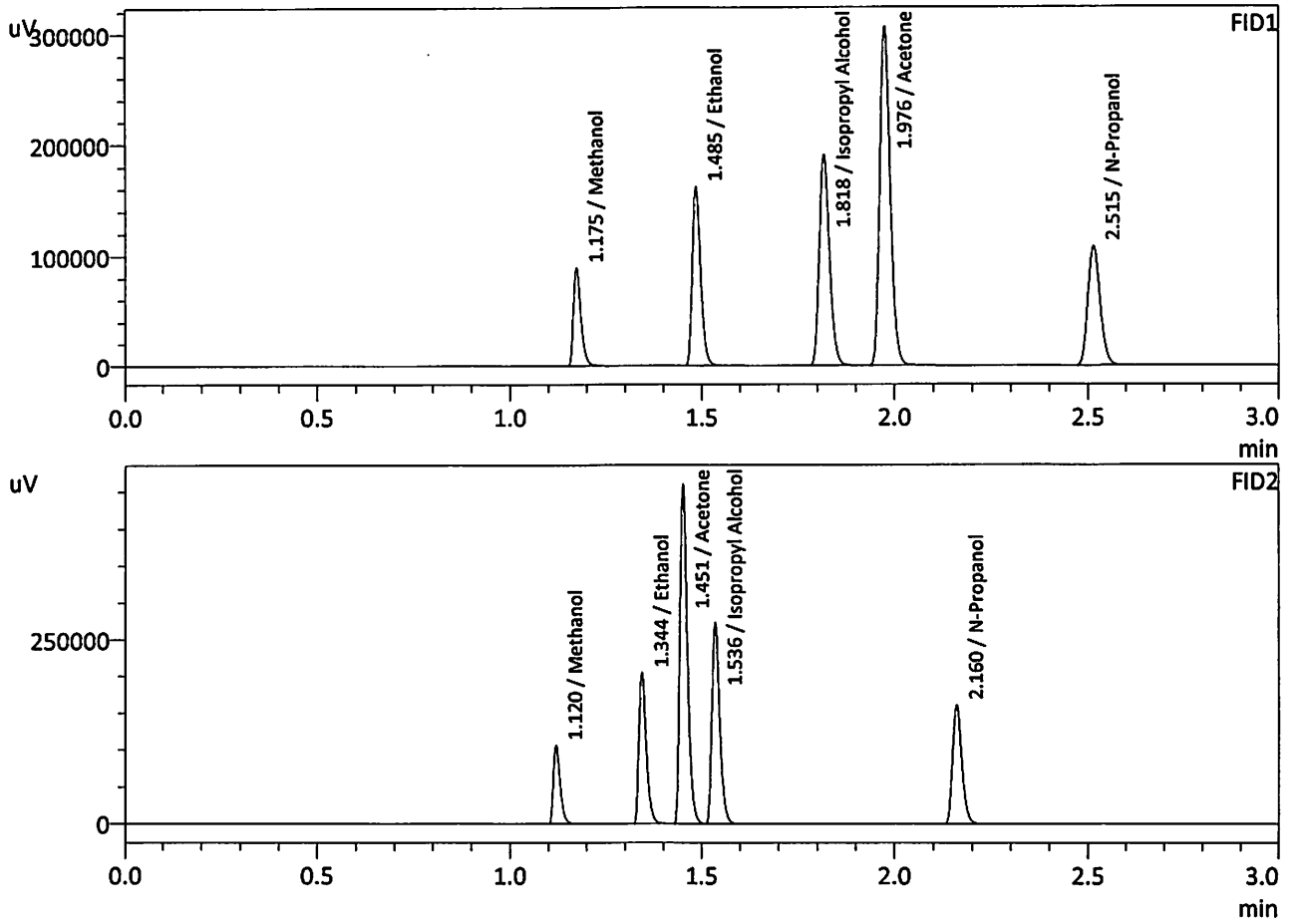
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181108	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201966	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 5/31/2023 10:49:20 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	120881	g/100cc
Ethanol	0.4686	247024	g/100cc
Isopropyl Alcohol	0.0000	349285	g/100cc
Acetone	0.0000	569910	g/100cc
N-Propanol	0.0000	240503	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	132757	g/100cc
Ethanol	0.4672	270768	g/100cc
Acetone	0.0000	620450	g/100cc
Isopropyl Alcohol	0.0000	380813	g/100cc
N-Propanol	0.0000	265026	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-~~1-1~~ 2-1 JG 6/1/23 Analysis Date(s): 5/31/2023 10:56:40 AM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2106	0.2104	0.0002	0.2105	0.0056	0.2077
(g/100cc)	0.2051	0.2048	0.0003	0.2049		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230519JG.GCM.gcm

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

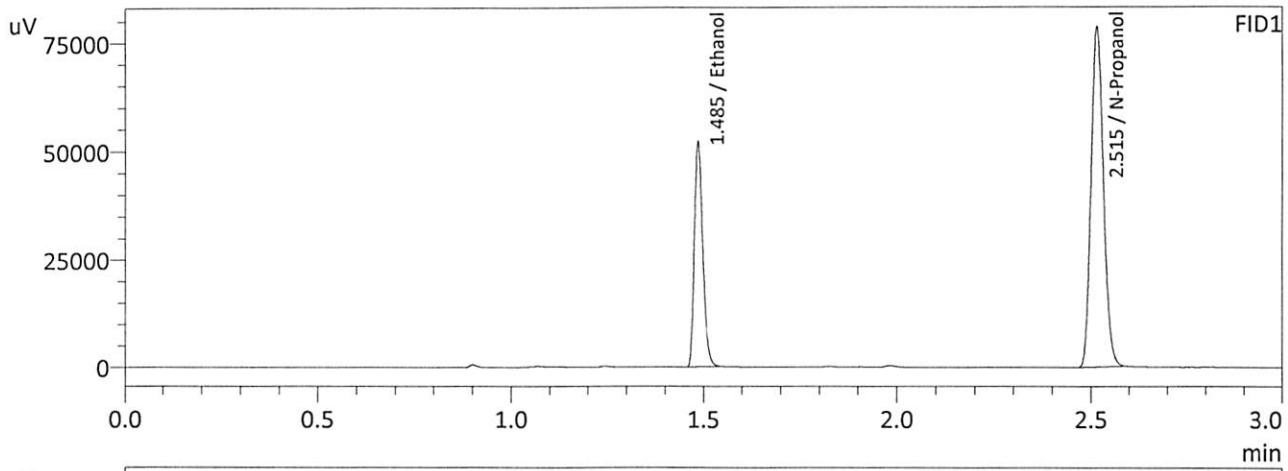
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

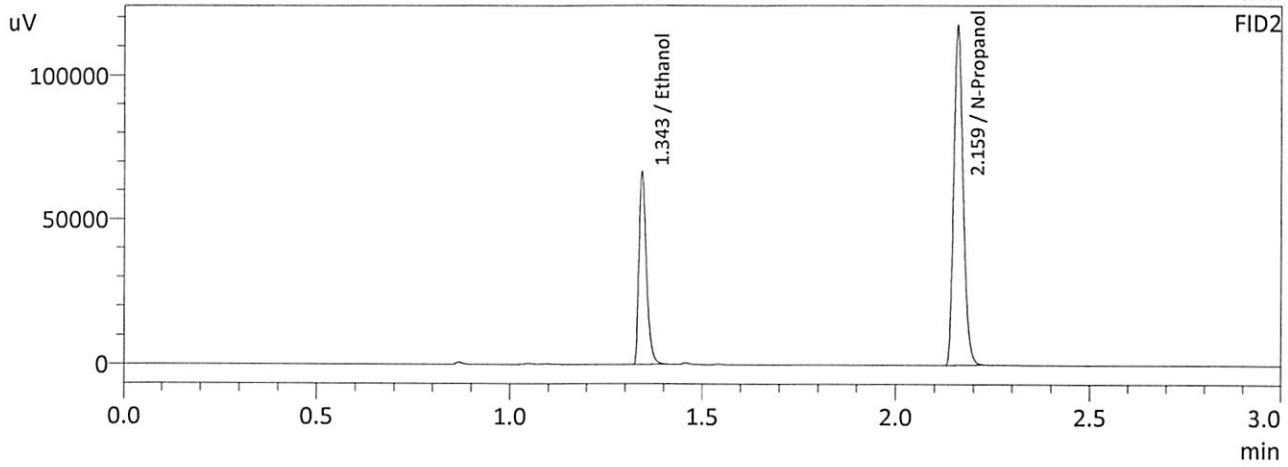
Reported Results
0.207

Calibration and control data are stored centrally.

JG

Sample Name : QC~~1-1~~ 2-1 JG 6/1/23
Laboratory : Meridian
Injection Date : 5/31/2023 10:56:40 AM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

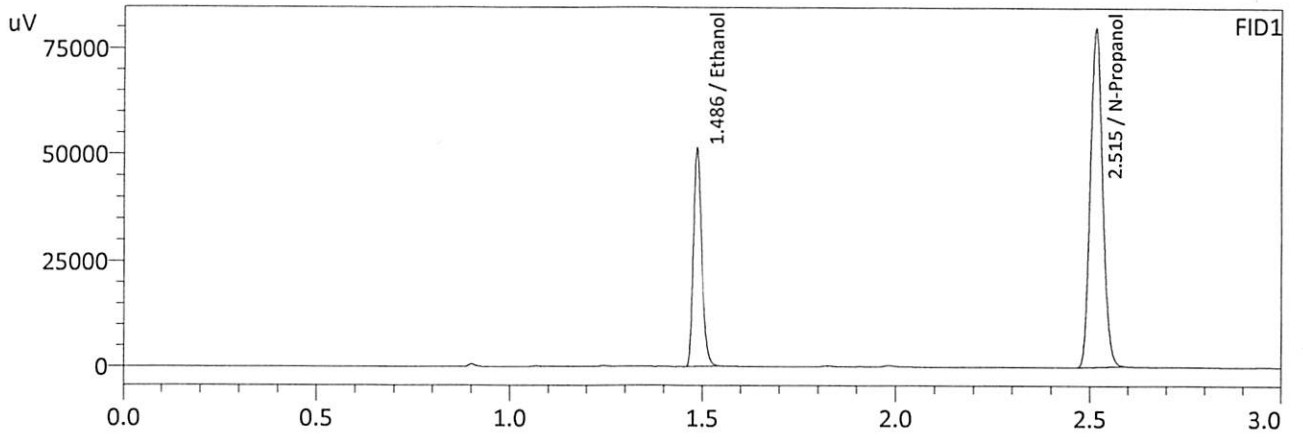
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2106	80093	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175185	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

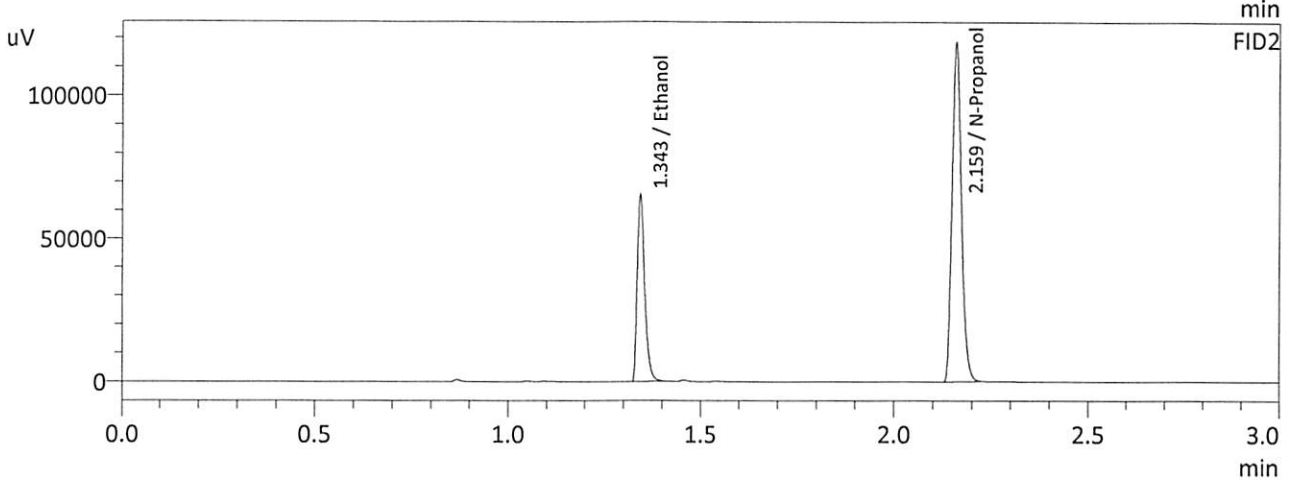
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2104	88625	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194506	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC ~~1-1-B~~ 2-1-B JG
Laboratory : Meridian
Injection Date : 5/31/2023 11:05:22 AM 6/1/23
Vial # : 4
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2051	79125	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177781	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2048	87500	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197439	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 5/31/2023 11:12:58 AM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0810	0.0002	0.0811	0.0009	0.0815
(g/100cc)	0.0820	0.0820	0.0000	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230519JG.GCM.gcm

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

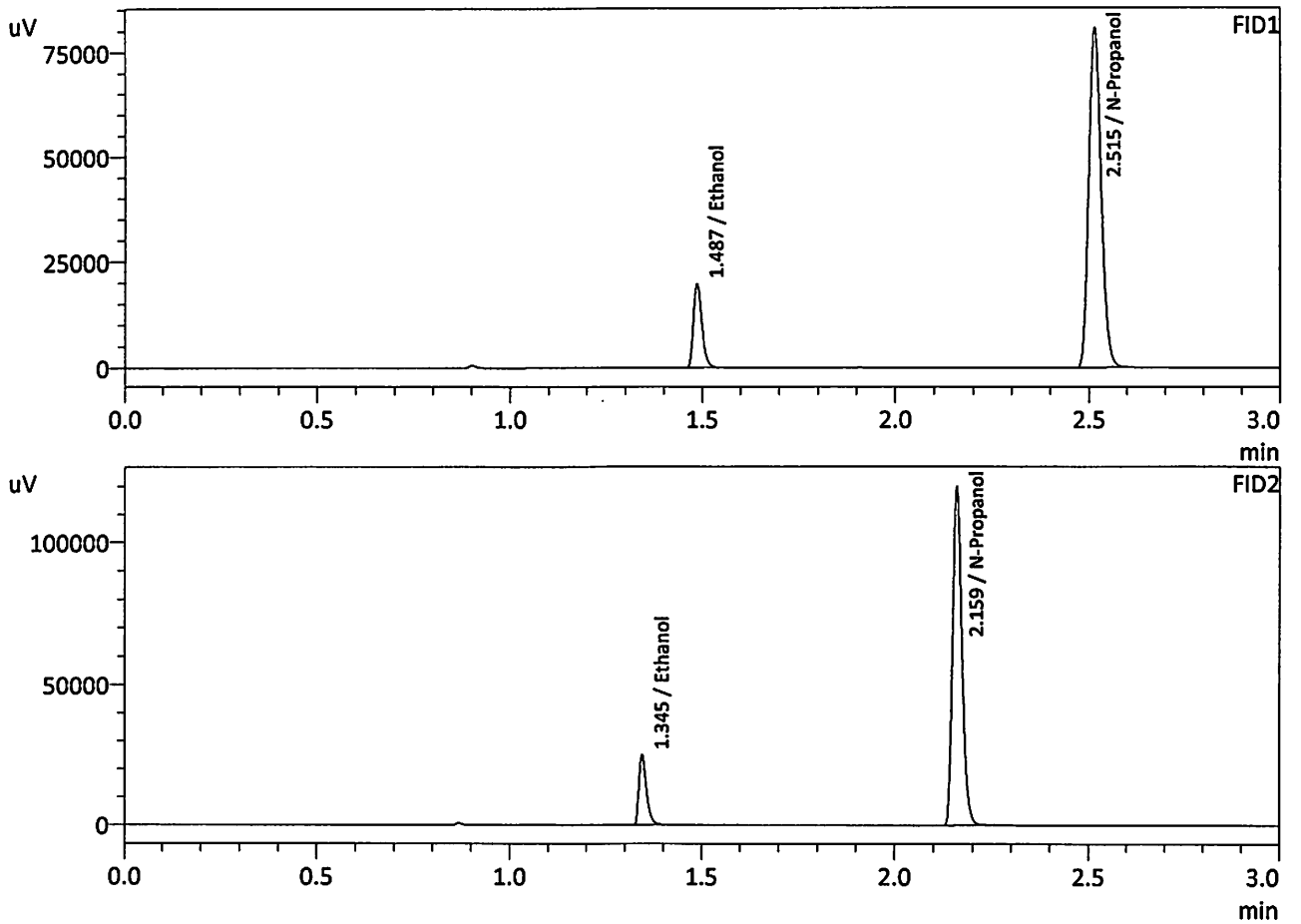
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

JL

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 5/31/2023 11:12:58 AM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

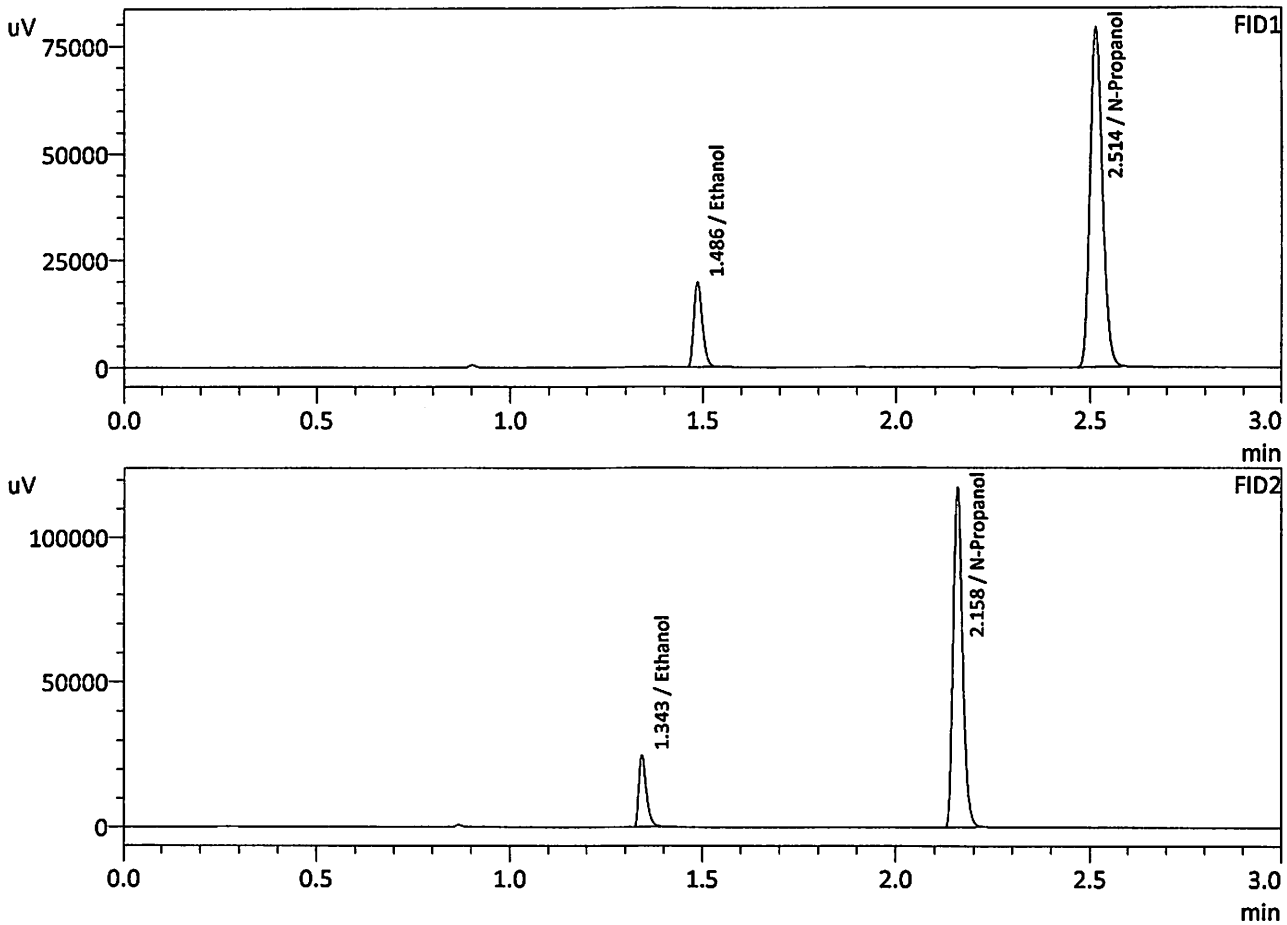
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	30601	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178578	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	33884	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198971	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 5/31/2023 11:21:21 AM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	30324	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	175263	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	33611	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194795	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2~~-1~~ 1-1 JC 6/1/23 Analysis Date(s): 5/31/2023 1:54:00 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0832	0.0828	0.0004	0.0830	0.0005	0.0832
(g/100cc)	0.0836	0.0835	0.0001	0.0835		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230519JG.GCM.gcm

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

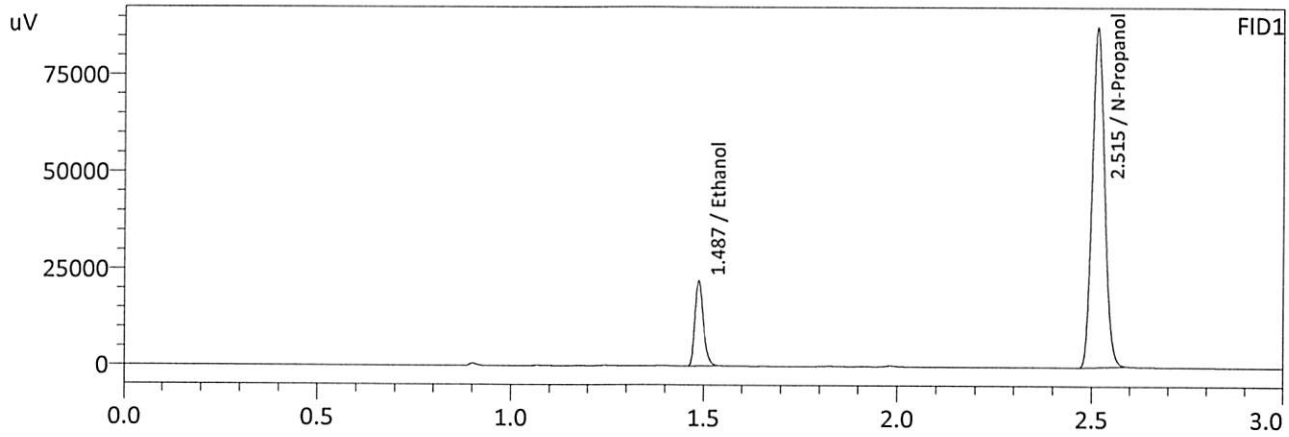
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

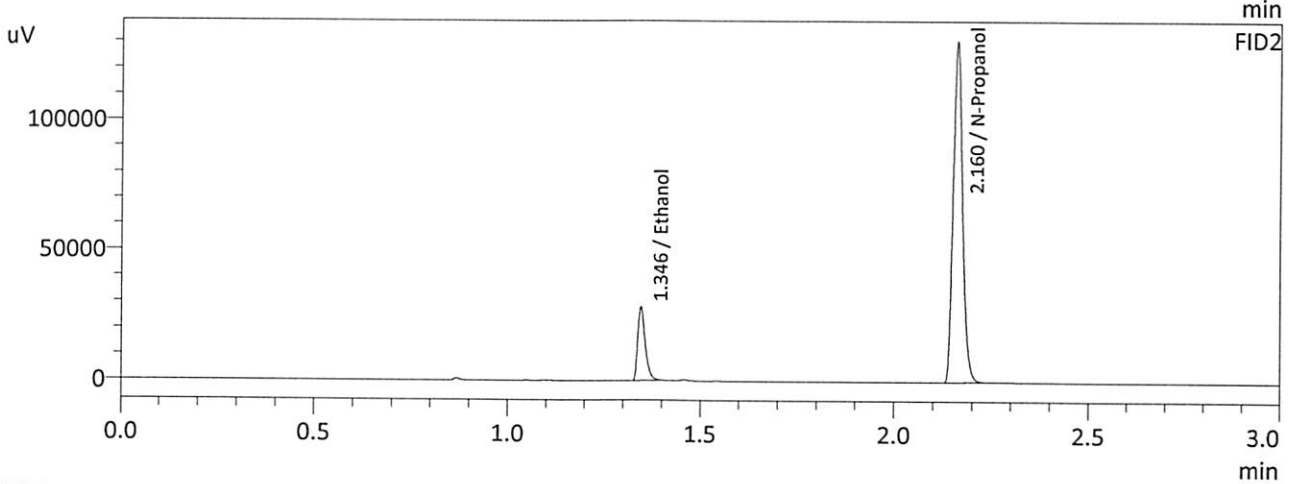
Reported Results
0.083

Calibration and control data are stored centrally.

JC

Sample Name : QC-~~2-1~~ 1-1 JG 6/1/23
Laboratory : Meridian
Injection Date : 5/31/2023 1:54:00 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

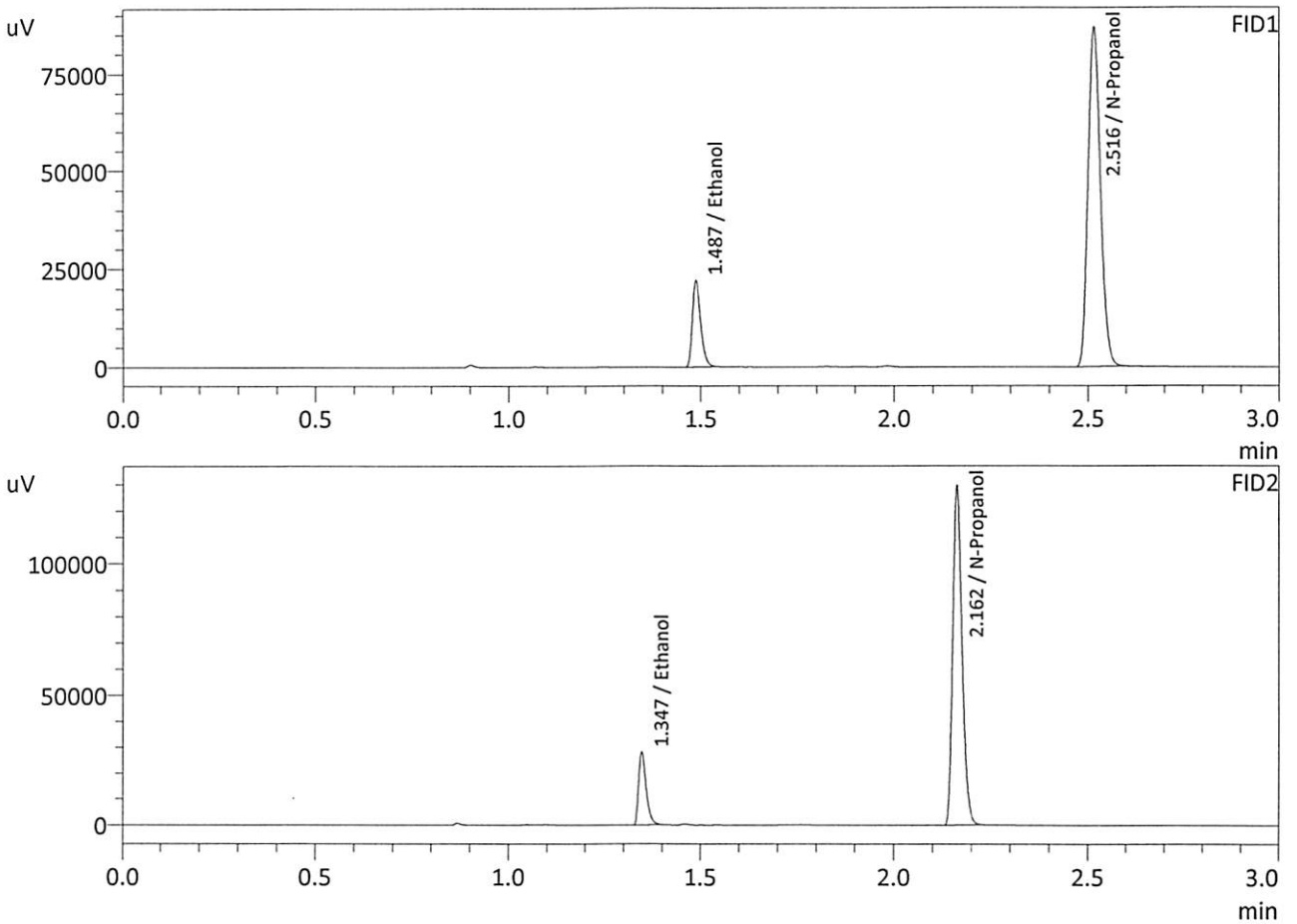
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0832	34366	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195443	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	37841	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216958	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-~~2-1-B~~ 1-1-B JG
Laboratory : Meridian
Injection Date : 5/31/2023 2:01:35 PM 6/1/23
Vial # : 26
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0836	34289	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194112	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	37892	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215487	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-~~1-2~~ 2-2 JG 6/1/23 Analysis Date(s): 5/31/2023 4:50:03 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2161	0.2159	0.0002	0.2160	0.0017	0.2168
(g/100cc)	0.2179	0.2176	0.0003	0.2177		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230519JG.GCM.gcm

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

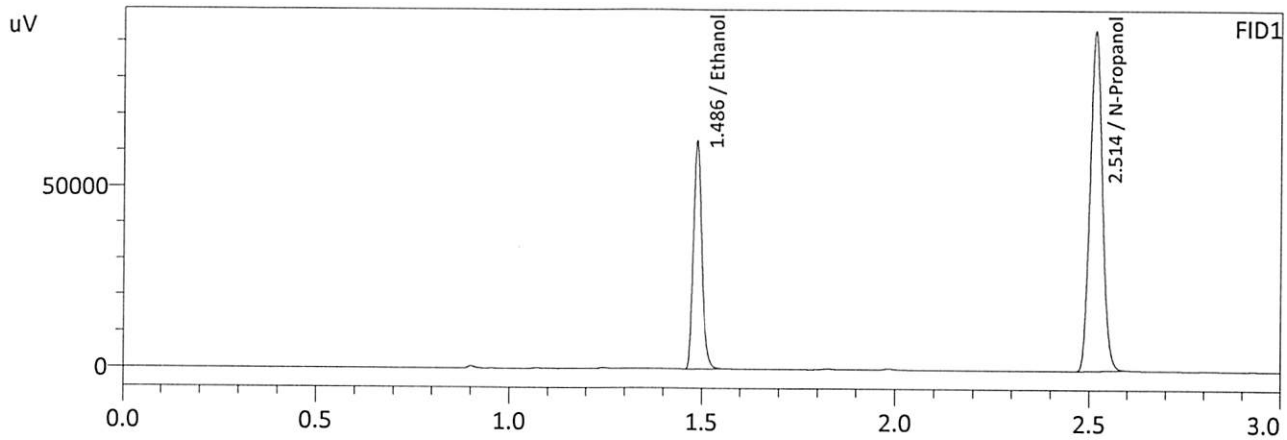
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.216	0.205	0.227	0.011

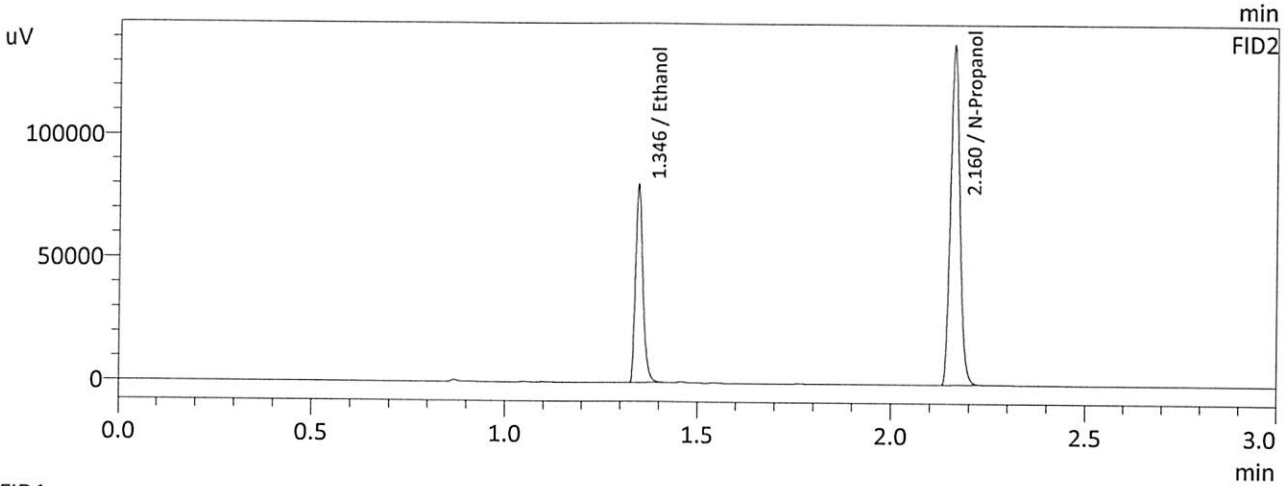
Reported Results
0.216

Calibration and control data are stored centrally.

JG

Sample Name : QC-~~1 2~~ 2-2 JG
Laboratory : Meridian 6/1/23
Injection Date : 5/31/2023 4:50:03 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

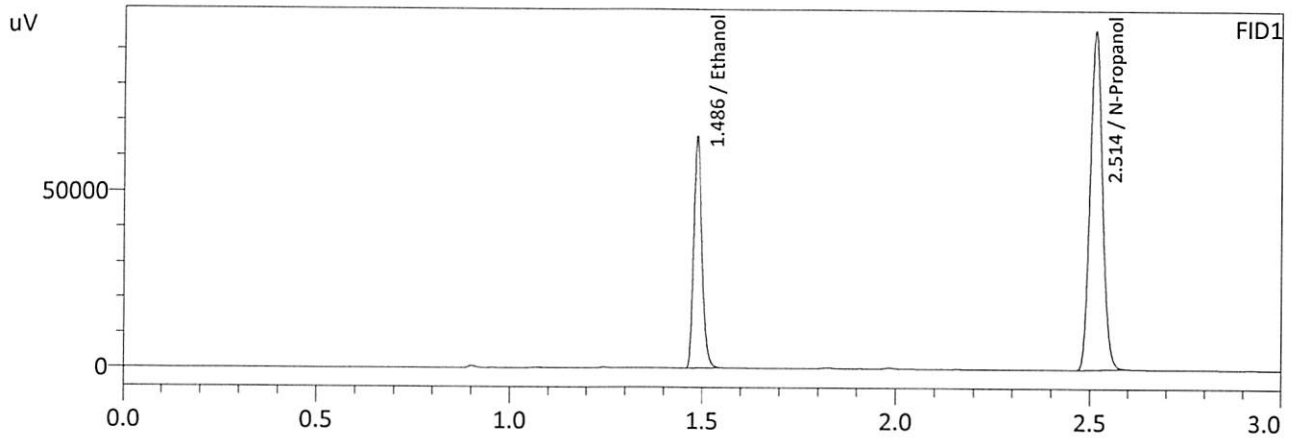
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2161	97008	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206677	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

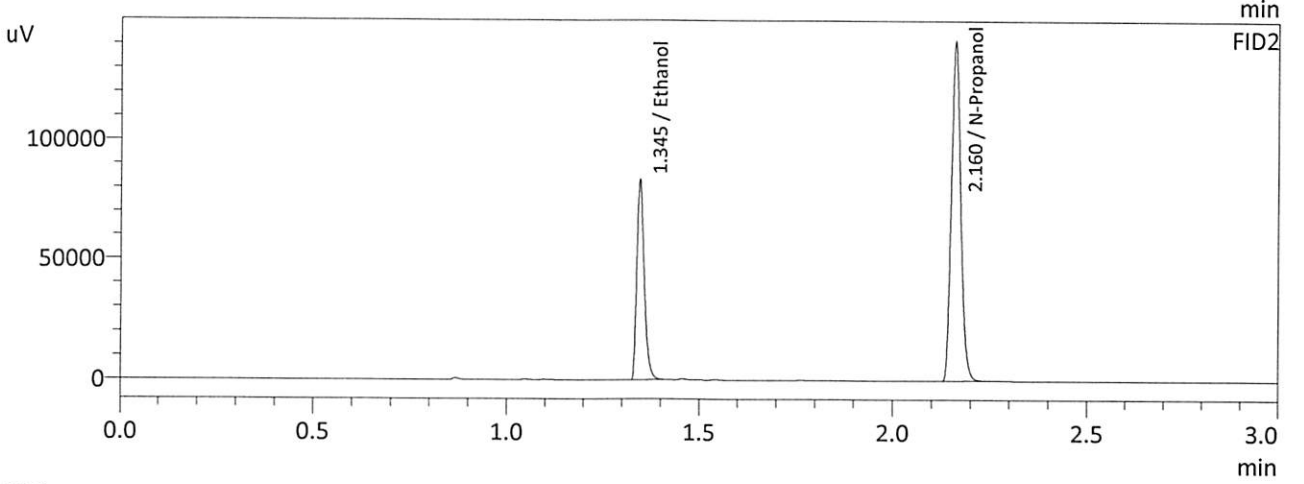
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2159	106664	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	228088	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-~~1-2-B~~ 2-2-B JG 6/1/23
Laboratory : Meridian
Injection Date : 5/31/2023 4:59:42 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2179	101007	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213459	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2176	111041	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	235569	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC~~-2-2~~ 1-2 JG 6/1/23 Analysis Date(s): 5/31/2023 6:26:37 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0827	0.0826	0.0001	0.0826	0.0010	0.0831
(g/100cc)	0.0837	0.0835	0.0002	0.0836		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230519JG.GCM.gcm

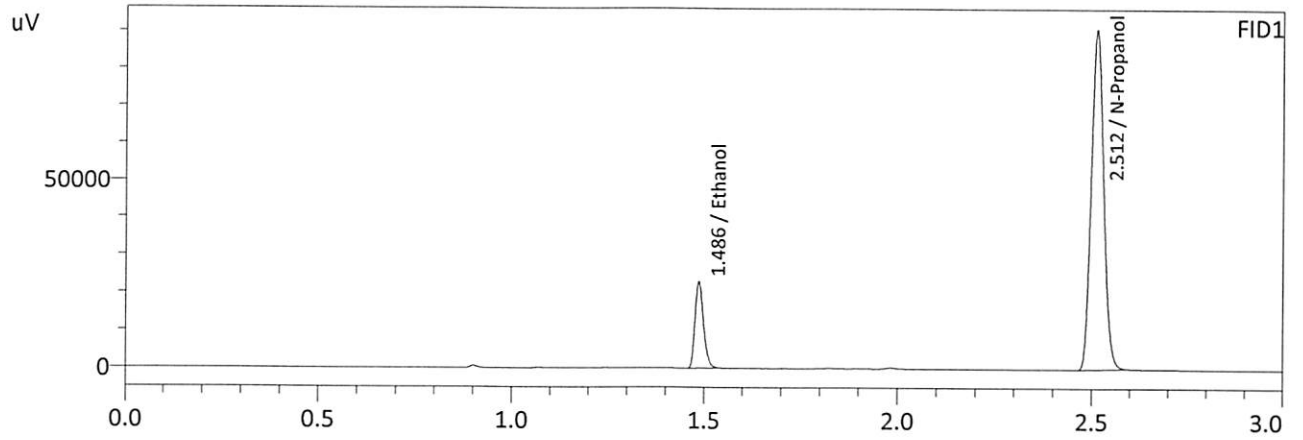
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.083	0.078	0.088	0.005

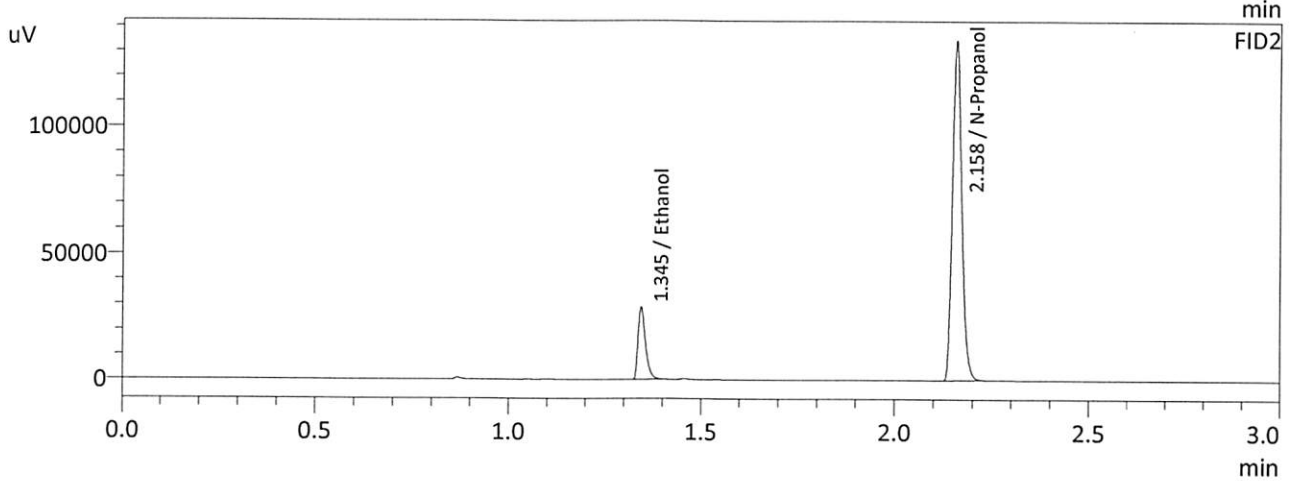
Reported Results
0.083

Calibration and control data are stored centrally.

JC

Sample Name : QC-~~2-2~~ 1-2 JG 6/1/23
Laboratory : Meridian
Injection Date : 5/31/2023 6:26:37 PM
Vial # : 59
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

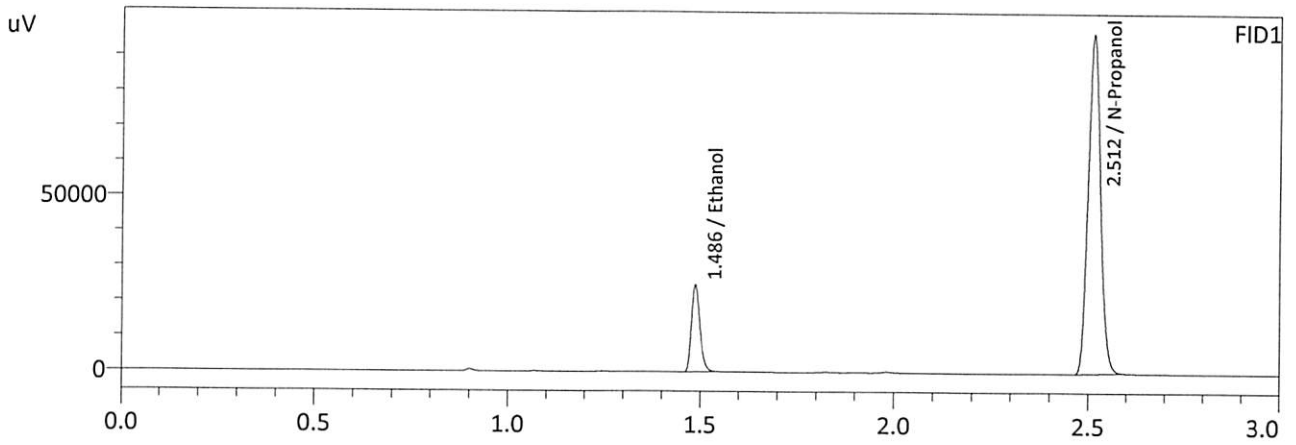
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	35292	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202100	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

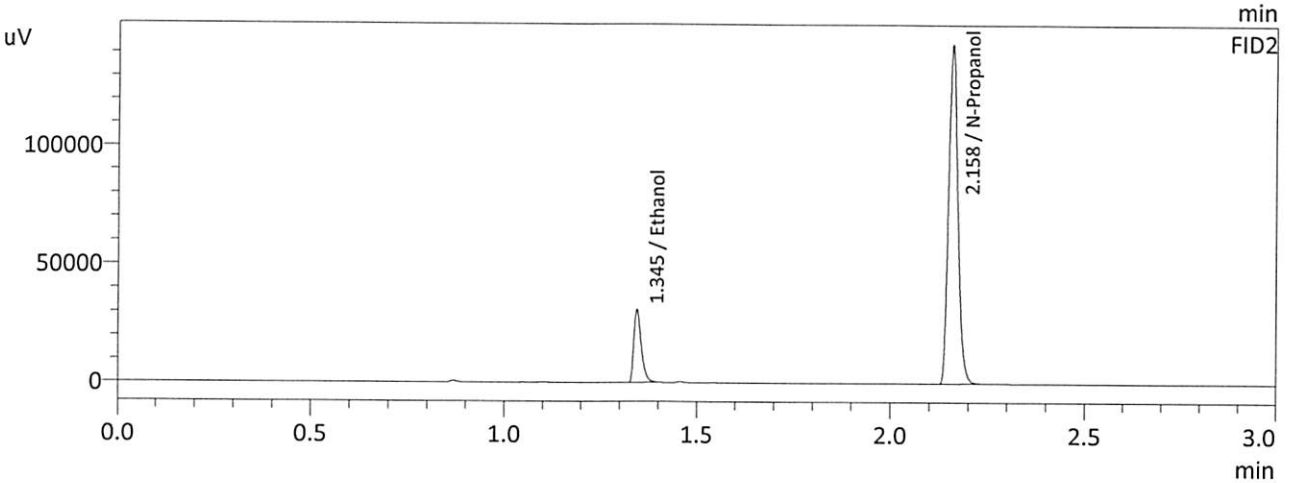
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	38829	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223273	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC ~~2-2-B~~ 1-2-B JG 6/1/23
Laboratory : Meridian
Injection Date : 5/31/2023 6:36:07 PM
Vial # : 60
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

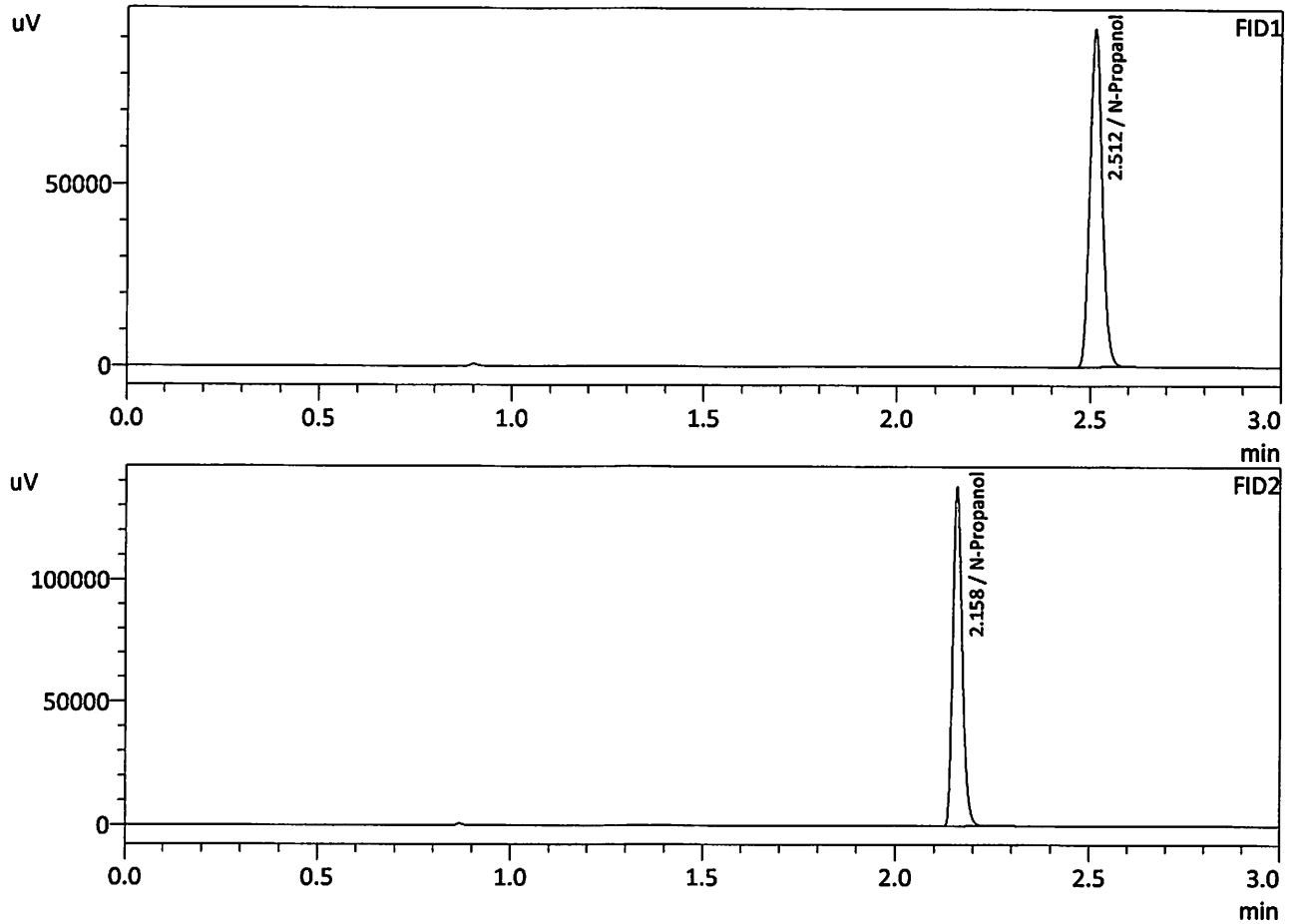
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	38179	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	216018	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0835	41991	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	238740	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 5/31/2023 6:43:25 PM
Vial # : 61
Method Filename : Default Project - ALCOHOL_230519JG.GCM.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	206763	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	228935	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 Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230519JG.GCM.gcm
3	QC-~~1-1~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
4	QC-~~1-1-B~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
7	M2023-2146-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
8	M2023-2146-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
9	M2023-2171-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
10	M2023-2171-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
11	M2023-2187-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
12	M2023-2187-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
13	M2023-2188-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
14	M2023-2188-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
15	M2023-2189-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
16	M2023-2189-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
17	M2023-2190-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
18	M2023-2190-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
19	M2023-2202-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
20	M2023-2202-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
21	M2023-2214-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
22	M2023-2214-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
23	M2023-2225-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
24	M2023-2225-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
25	QC-~~2-1~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
26	QC-~~2-1-B~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
27	M2023-2226-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
28	M2023-2226-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
29	M2023-2227-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
30	M2023-2227-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
31	M2023-2235-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
32	M2023-2235-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
33	M2023-2236-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
34	M2023-2236-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
35	M2023-2246-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
36	M2023-2246-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
37	M2023-2247-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
38	M2023-2247-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
39	M2023-2250-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
40	M2023-2250-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
41	M2023-2302-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
42	M2023-2302-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
43	M2023-2303-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
44	M2023-2303-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
45	M2023-2312-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
46	M2023-2312-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
47	QC-~~1-2~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
48	QC-~~1-2-B~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
49	M2023-2313-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
50	M2023-2313-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
51	M2023-2314-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
52	M2023-2314-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
53	M2023-2315-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
54	M2023-2315-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
55	M2023-2316-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
56	M2023-2316-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
57	M2023-2317-1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
58	M2023-2317-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
59	QC-~~2-2~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm

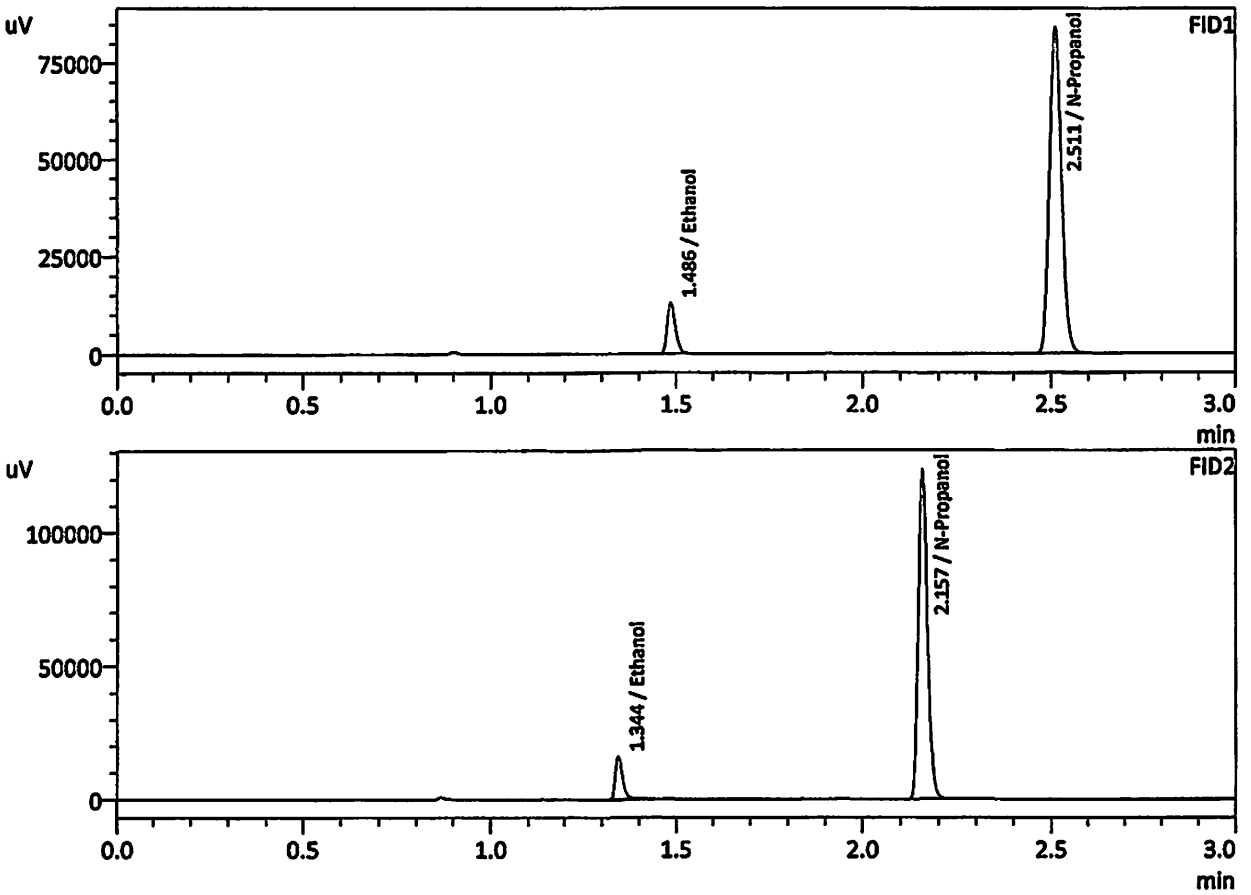
JG 2-1 6/1/23
2-1-B
JG 1-1 6/1/23
1-1-B
JG 2-2 6/1/23
2-2-B
1-2 JG 6/1/23
JG

1-2-B
JG
6/1/23

Vial#	Sample Name	Sample Type	Level#	Method File
60	QC-~~2-2-B~~	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
61	INT STD BLK	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 5/19/2023 11:47:40 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

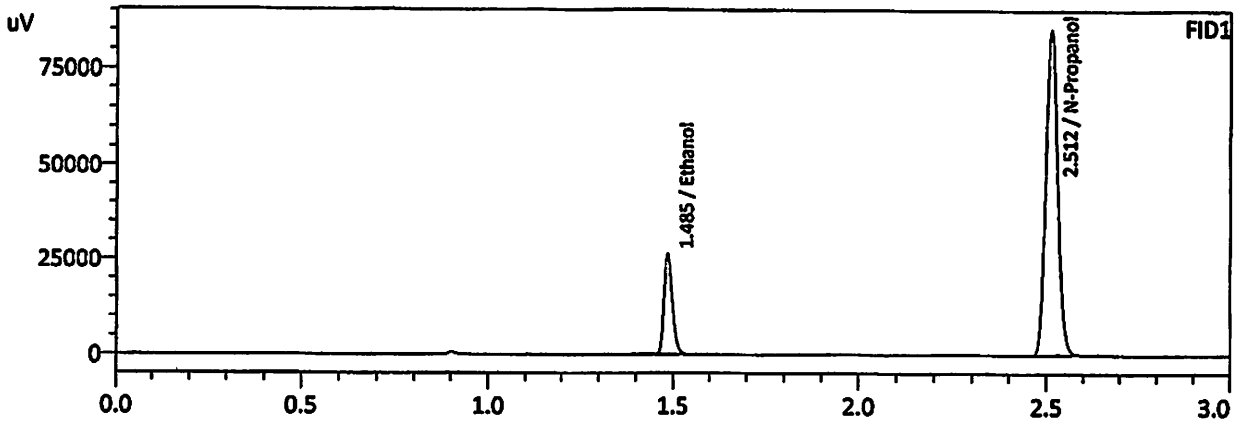
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0518	19969	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187577	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

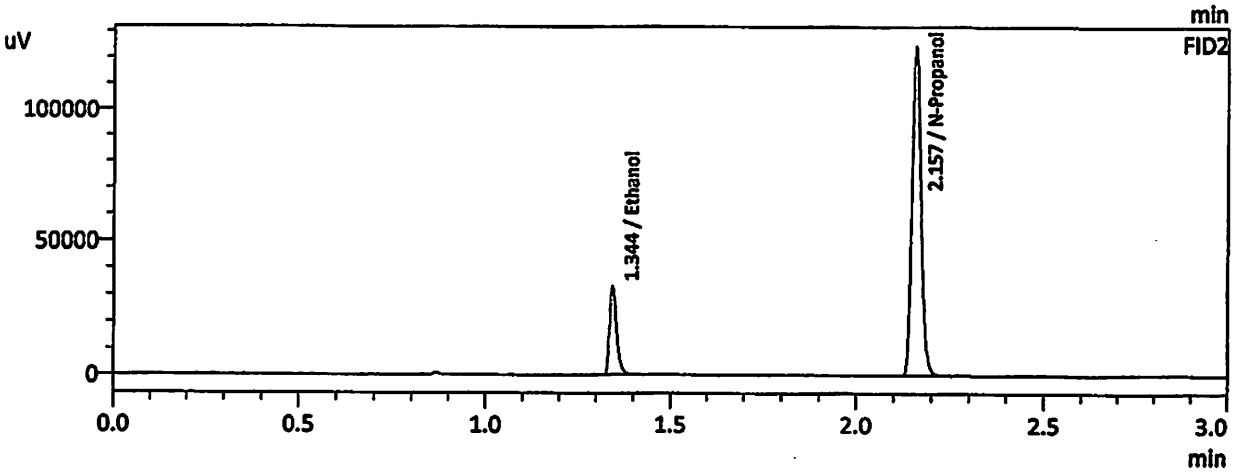
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0517	21630	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204294	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 5/19/2023 11:55:00 AM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

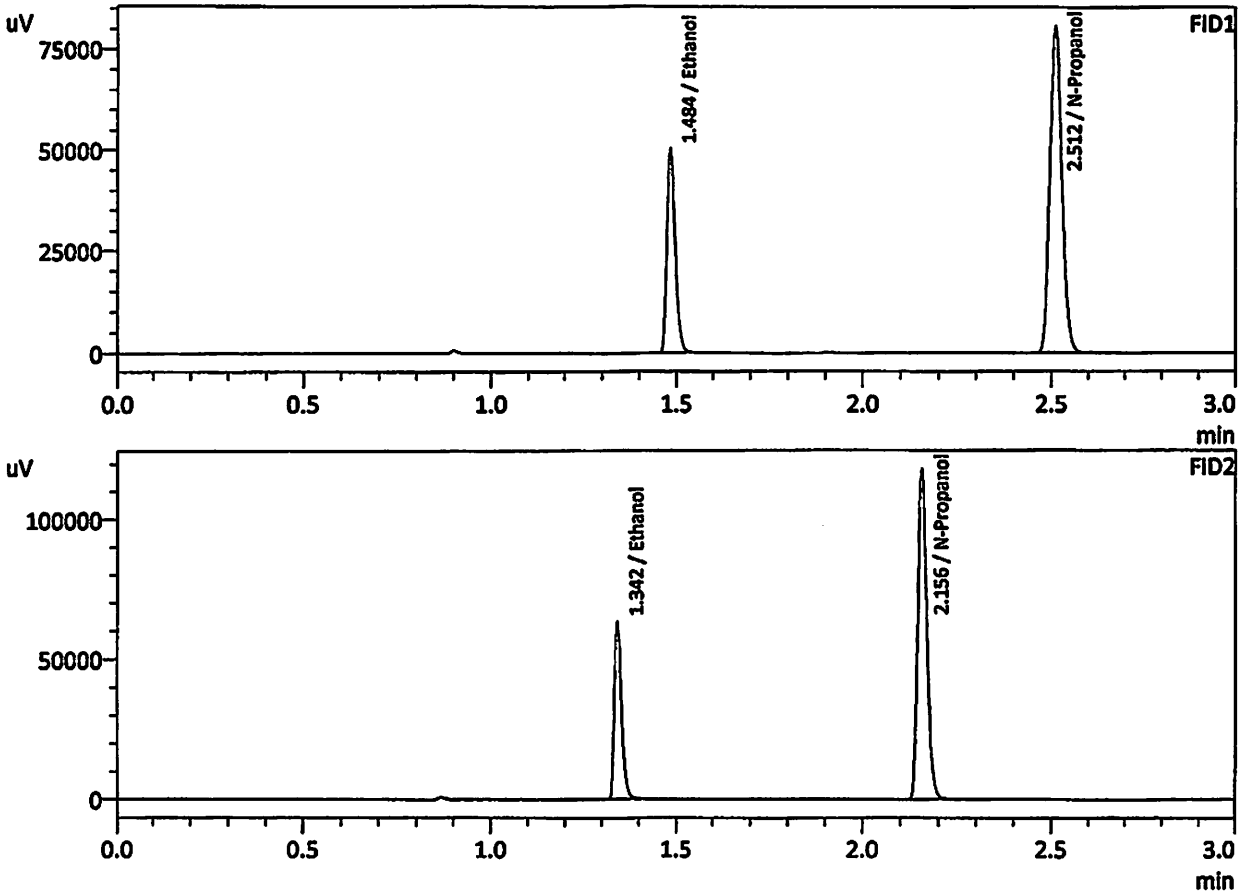
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1005	40594	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189738	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1007	44142	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206550	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 5/19/2023 12:02:20 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

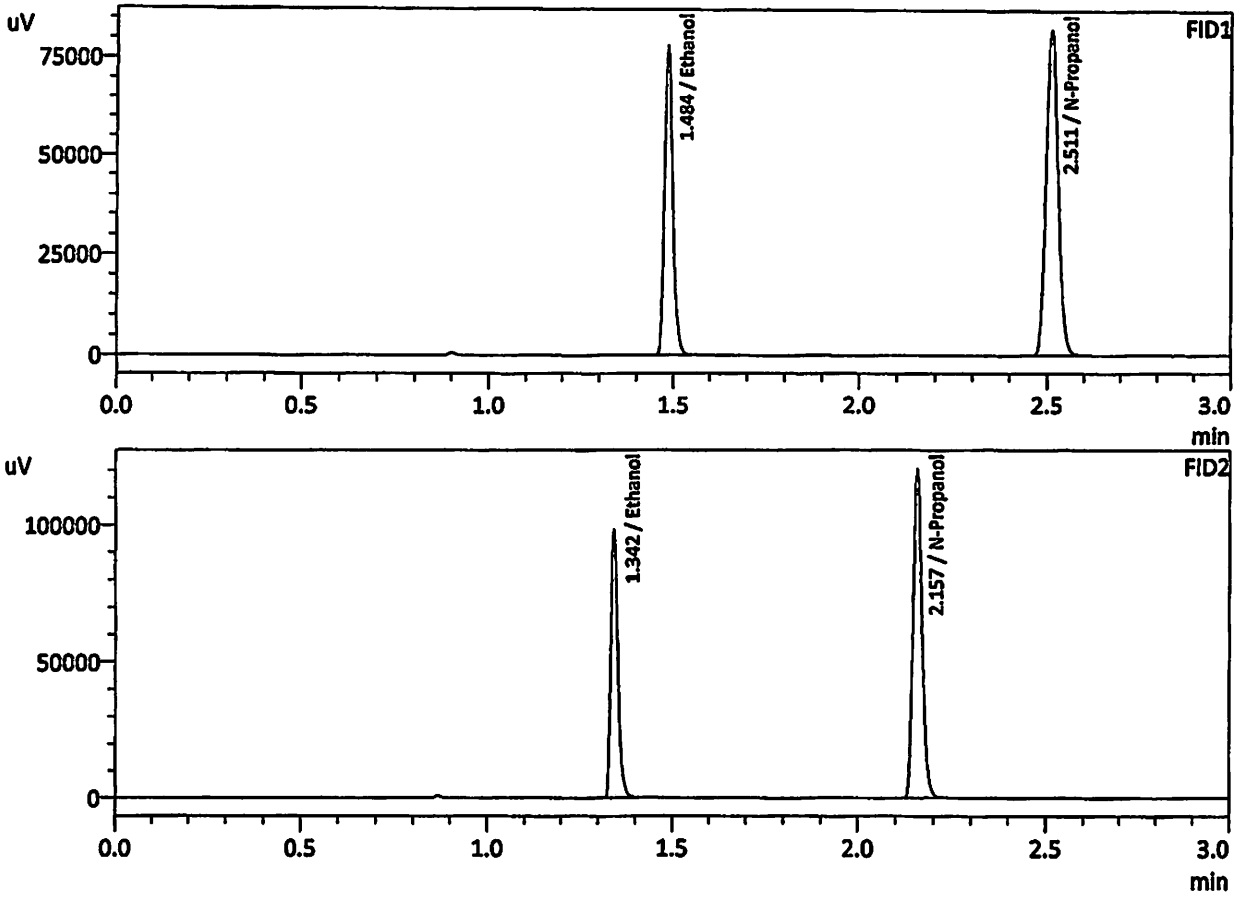
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1979	76978	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179395	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1978	83487	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	195166	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 5/19/2023 12:11:15 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



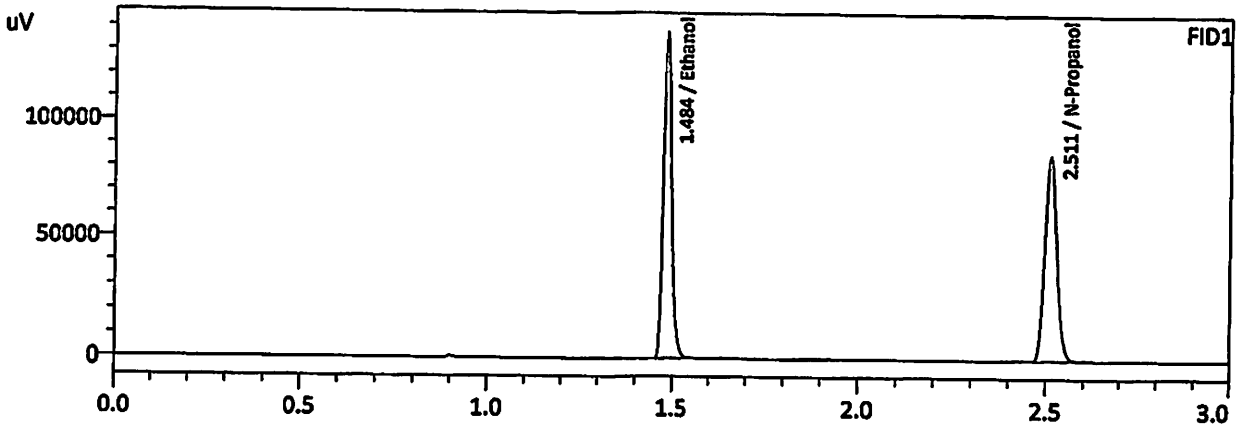
FID1

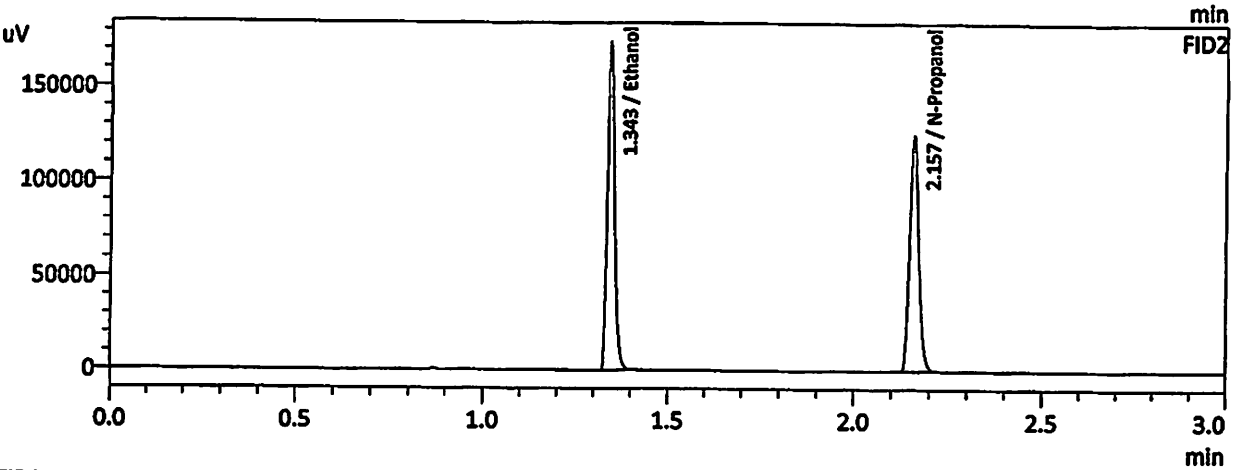
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	119075	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183334	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	129200	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199378	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 5/19/2023 12:19:44 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

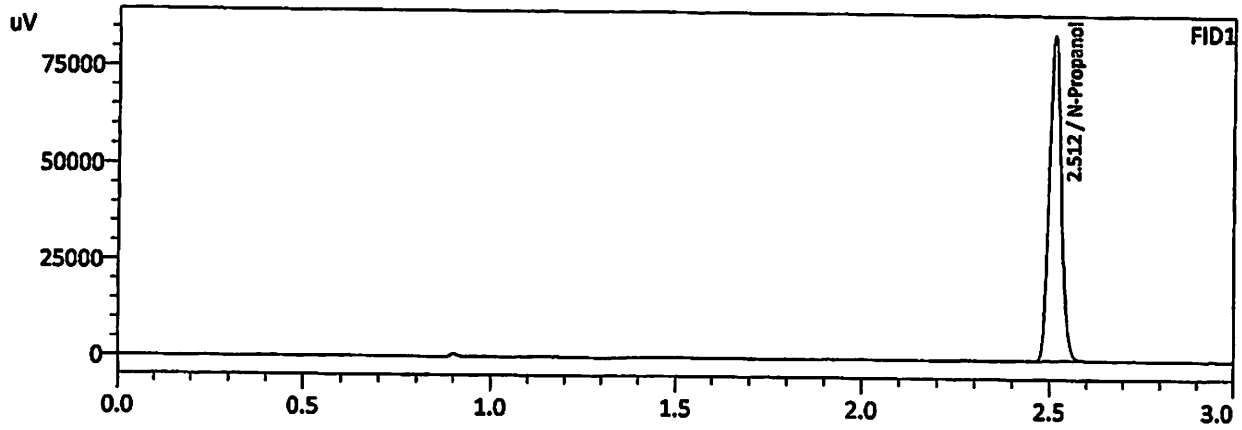
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	210563	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191337	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

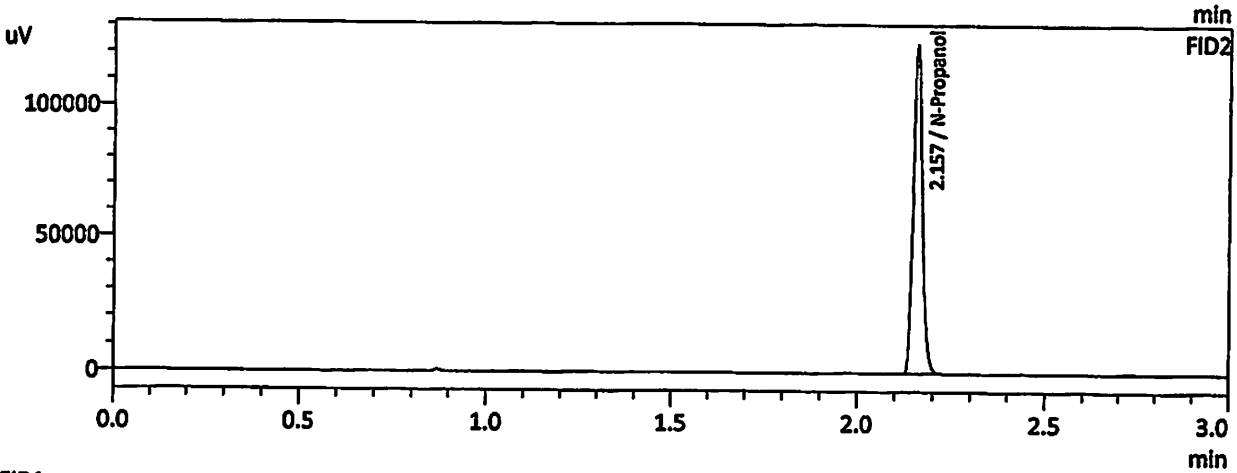
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	228540	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208147	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 5/19/2023 12:27:05 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230426NB.GCM.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	188215	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	205123	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Meridian Blood Alcohol Analysis Batch Table

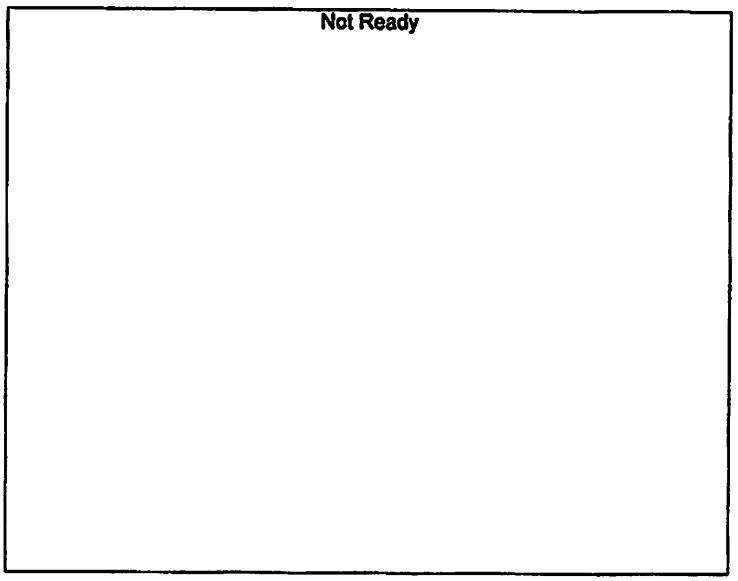
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 230426NB.GCM.gcm
2	0.100	1:Standard	2	ALCOHOL 230426NB.GCM.gcm
3	0.200	1:Standard	3	ALCOHOL 230426NB.GCM.gcm
4	0.300	1:Standard	4	ALCOHOL 230426NB.GCM.gcm
5	0.500	1:Standard	5	ALCOHOL 230426NB.GCM.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230426NB.GCM.gcm

Calibration Table

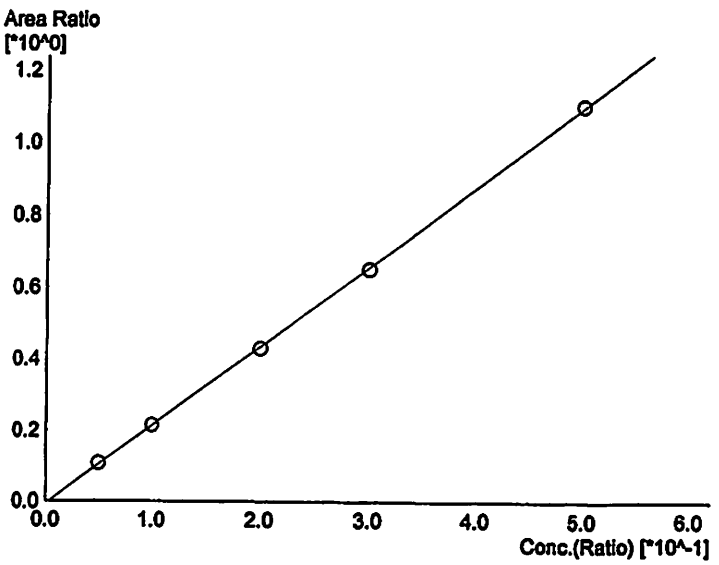
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Method File>>
Method File :Default Project - ALCOHOL_230519JG.GCM.gcm
Date Created :5/19/2023 12:45:58 PM
Date Modified :5/19/2023 12:55:34 PM



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

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.20896*x-0.00816344
R^2 value= 0.9998687
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19969	0.0518
2	0.100	40594	0.1005
3	0.200	76978	0.1979
4	0.300	119075	0.2977
5	0.500	210563	0.5018

JG

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

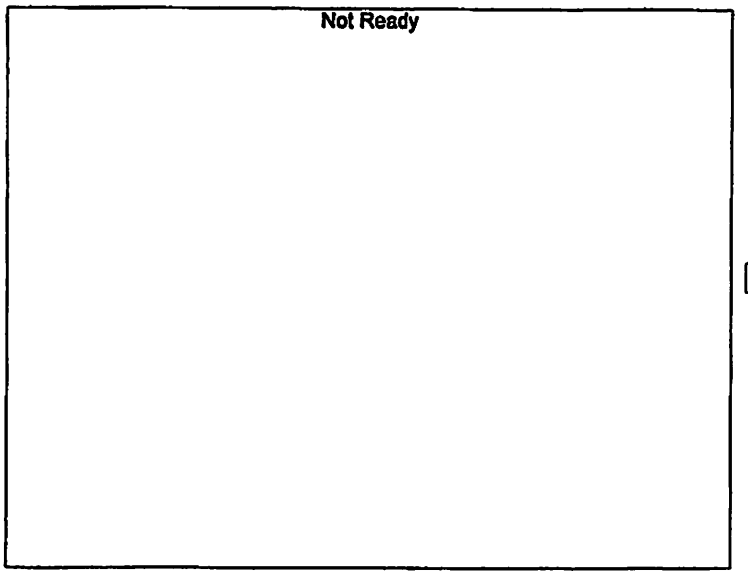
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

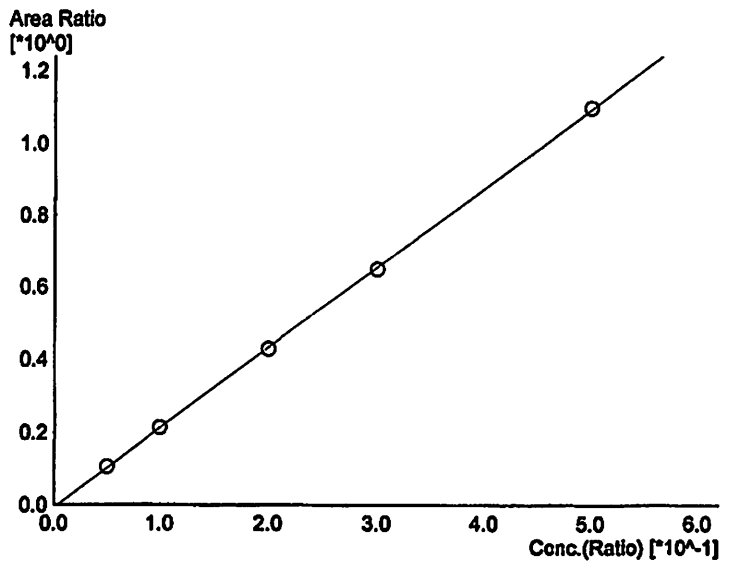
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



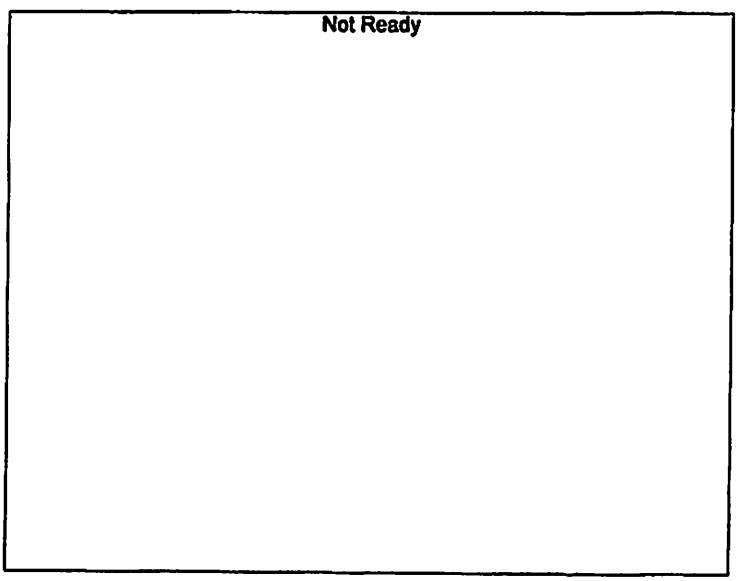
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.20422*x-0.00830110
R^2 value= 0.9998669
FitType: Linear
ZeroThrough: Not Through

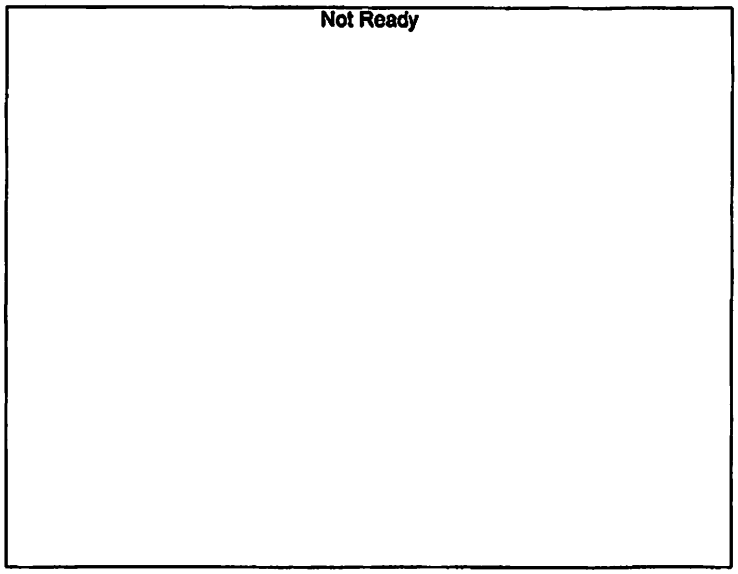
#	Conc.	Area	Std. Conc.
1	0.050	21630	0.0517
2	0.100	44142	0.1007
3	0.200	83487	0.1978
4	0.300	129200	0.2977
5	0.500	228540	0.5018



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

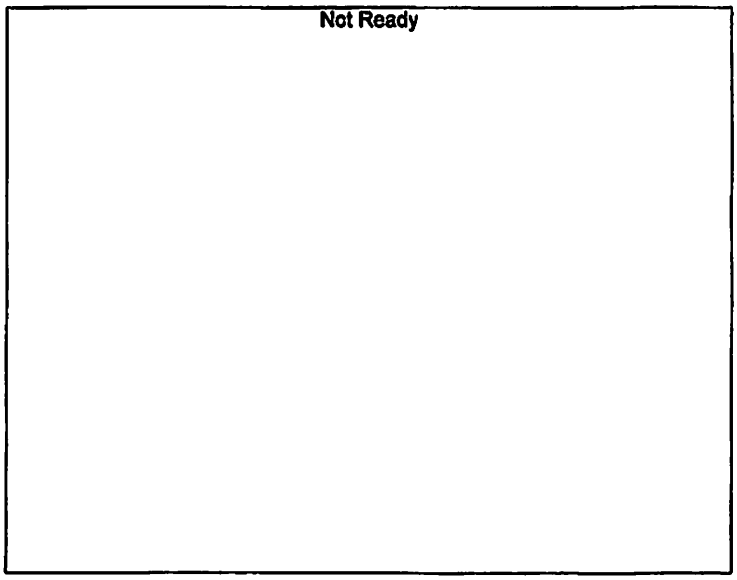
#	Conc.	Area	Std. Conc.

JL



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.

QC level 1 and 2 labels were swapped. I checked the vials and all were in the correct place. I have corrected the data sheets to show the correct label and level.

John Garner

6/1/23

JG