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):** 7/24/23

Calibration Date: *(if different)* 7/14/23

Worklist #: 6444

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0792 g/100cc
					0.0816 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2145 g/100cc
					0.2125 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99992	Column2	0.99992

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0499	0.0002	0.05
100	0.100	0.090 - 0.110	0.1010	0.1012	0.0002	0.1011
200	0.200	0.180 - 0.220	0.2001	0.2001	0	0.2001
300	0.300	0.270 - 0.330	0.2972	0.2972	0	0.2972
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5013	0.5013	0	0.5013

Aqueous Controls

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

MB

REVIEWED
By Melissa (Nikka) Bradley at 3:44 pm, Jul 25, 2023

JC

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

Internal Standard Monitoring Worksheet

Worklist #: 6444 **Run Date(s):** 7/24/23

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

Sample Name	Column 1 Value	Column 2 Value
0.080	203036	218936
0.080	195672	211037
QC1	197646	212530
QC1	199223	214593
QC1	232001	250485
QC1	232036	250651
QC1		
QC1		
QC2	218854	236732
QC2	218777	236579
QC2	243788	263094
QC2	242788	262383
QC2		
QC2		

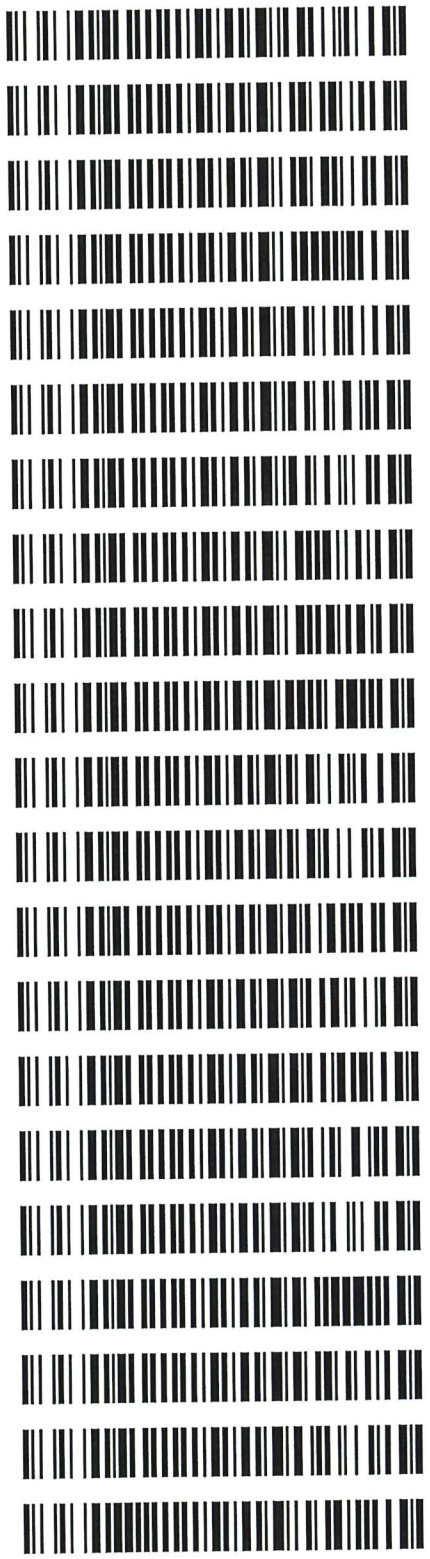
	Average	(-)20%	(+)20%
Column 1	218382.1	174705.7	262058.5
Column 2	235702.0	188561.6	282842.4

JC

7/25/2023

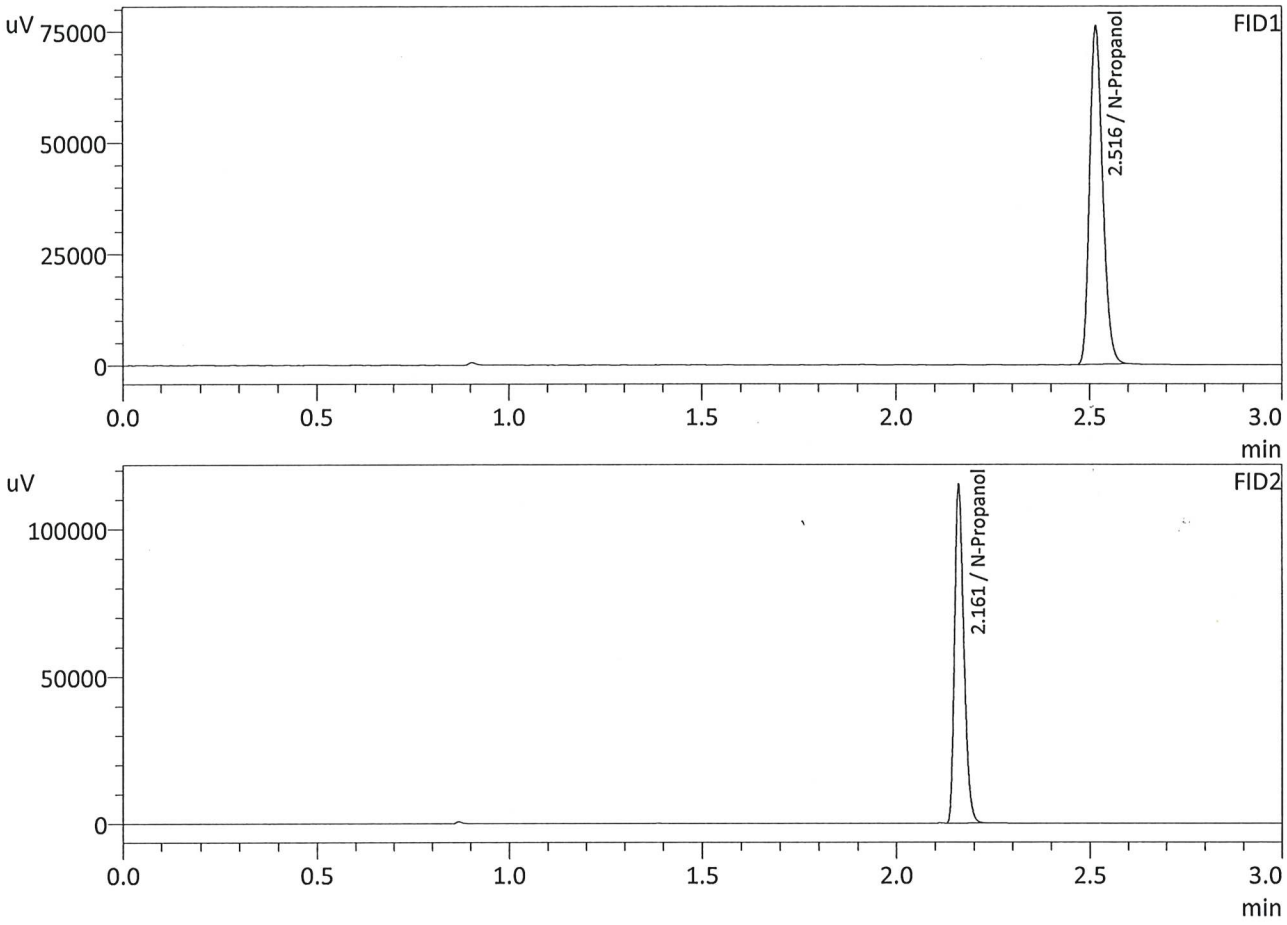
Worklist: 6444

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-2974	1	BCK	Alcohol Analysis
M2023-2982	1	BCK	Alcohol Analysis
M2023-2984	1	BCK	Alcohol Analysis
M2023-2985	1	BCK	Alcohol Analysis
M2023-3010	1	BCK	Alcohol Analysis
M2023-3011	1	BCK	Alcohol Analysis
M2023-3012	1	BCK	Alcohol Analysis
M2023-3028	1	BCK	Alcohol Analysis
M2023-3029	1	BCK	Alcohol Analysis
M2023-3043	1	BCK	Alcohol Analysis
M2023-3053	1	BCK	Alcohol Analysis
M2023-3054	1	BCK	Alcohol Analysis
M2023-3084	1	BCK	Alcohol Analysis
M2023-3085	1	BCK	Alcohol Analysis
M2023-3086	1	BCK	Alcohol Analysis
M2023-3098	1	BCK	Alcohol Analysis
M2023-3099	1	BCK	Alcohol Analysis
M2023-3121	1	BCK	Alcohol Analysis
M2023-3123	1	BCK	Alcohol Analysis
M2023-3144	1	BCK	Alcohol Analysis
P2023-2122	1	BCK	Alcohol Analysis



JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 7/24/2023 2:32:03 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

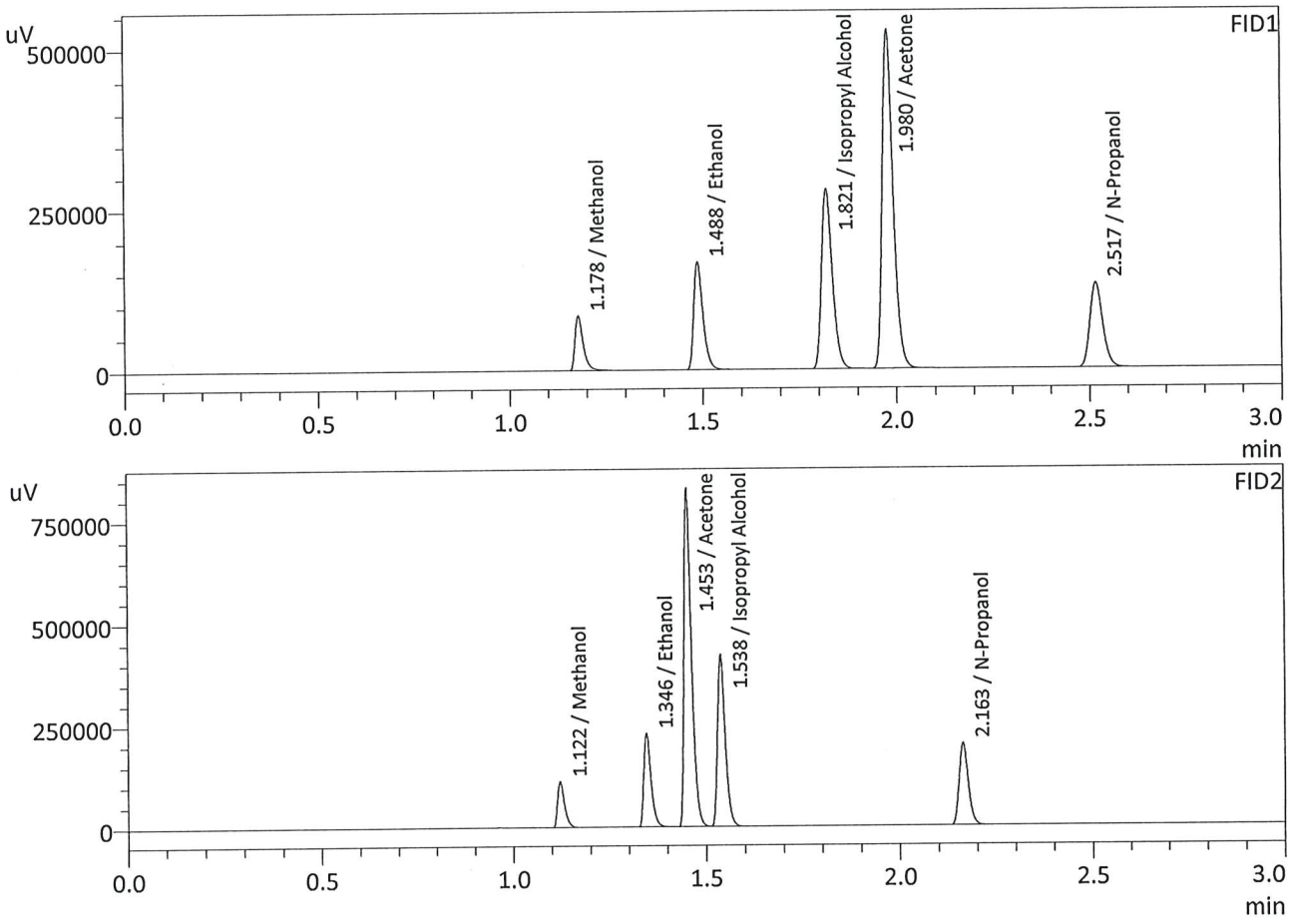
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	177723	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190673	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 7/24/2023 2:39:25 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	128692	g/100cc
Ethanol	0.4463	277425	g/100cc
Isopropyl Alcohol	0.0000	543458	g/100cc
Acetone	0.0000	1031551	g/100cc
N-Propanol	0.0000	305906	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	138479	g/100cc
Ethanol	0.4492	300381	g/100cc
Acetone	0.0000	1109509	g/100cc
Isopropyl Alcohol	0.0000	581834	g/100cc
N-Propanol	0.0000	330010	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 **Analysis Date(s): 7/24/2023 2:46:42 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0794	0.0793	0.0001	0.0793	0.0003	0.0792
(g/100cc)	0.0792	0.0789	0.0003	0.0790		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230714.gcm

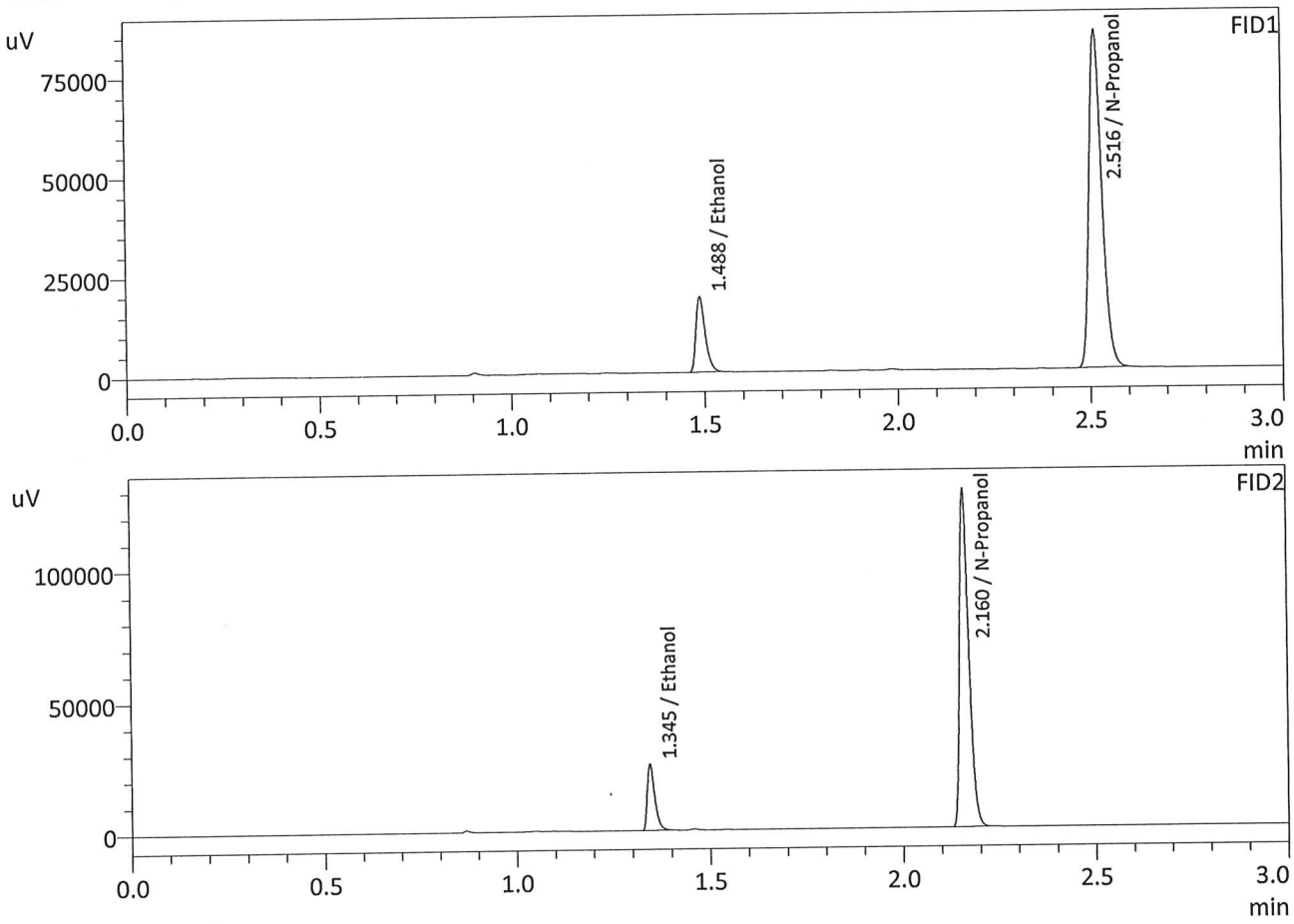
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

Reported Results
0.079

Calibration and control data are stored centrally.

JC

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 7/24/2023 2:46:42 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

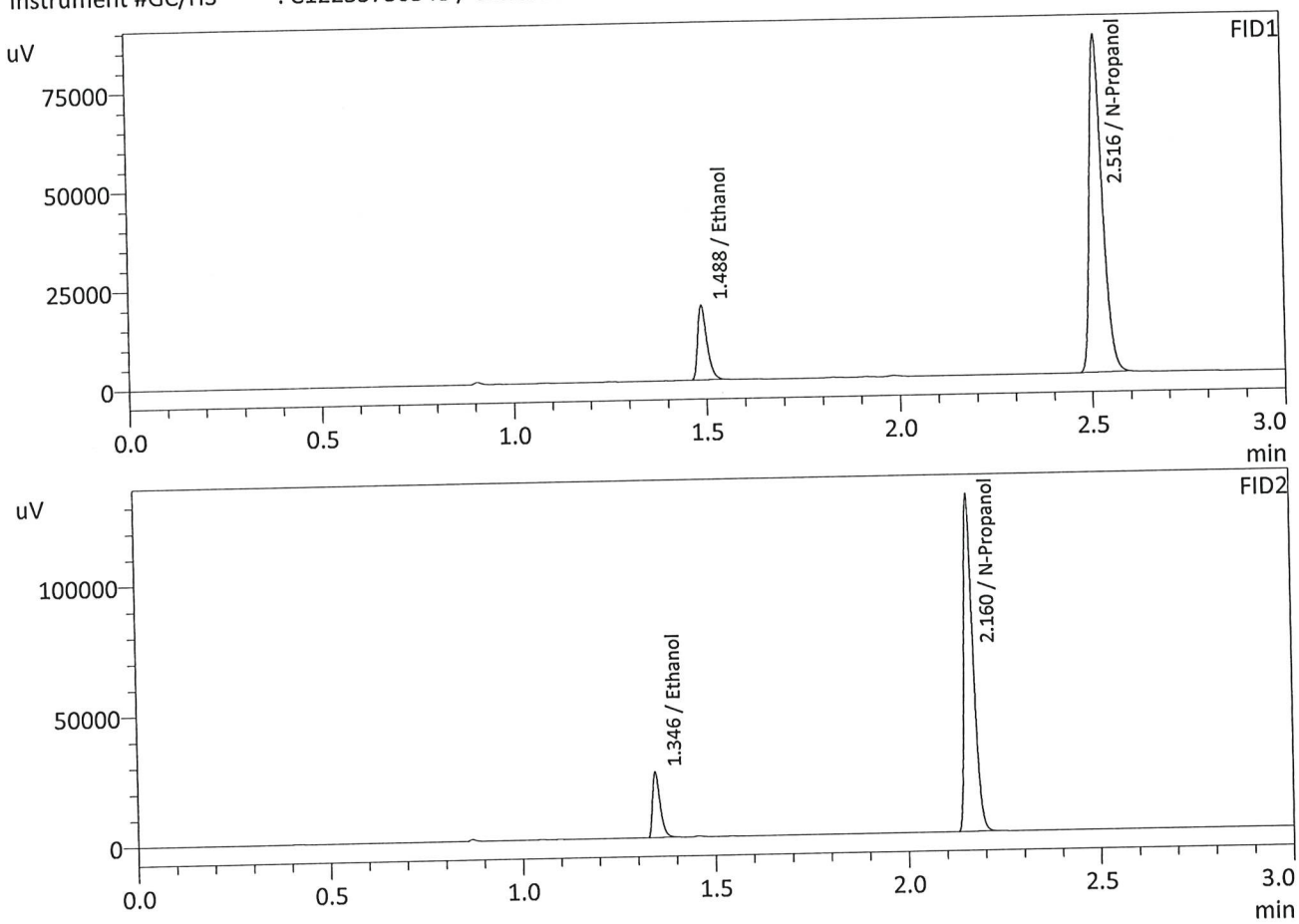
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	31279	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197646	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	33560	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212530	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 7/24/2023 2:55:38 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	31469	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199223	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	33708	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214593	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 7/24/2023 3:03:20 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0820	0.0816	0.0004	0.0818	0.0032	0.0802
(g/100cc)	0.0788	0.0785	0.0003	0.0786		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230714.gcm

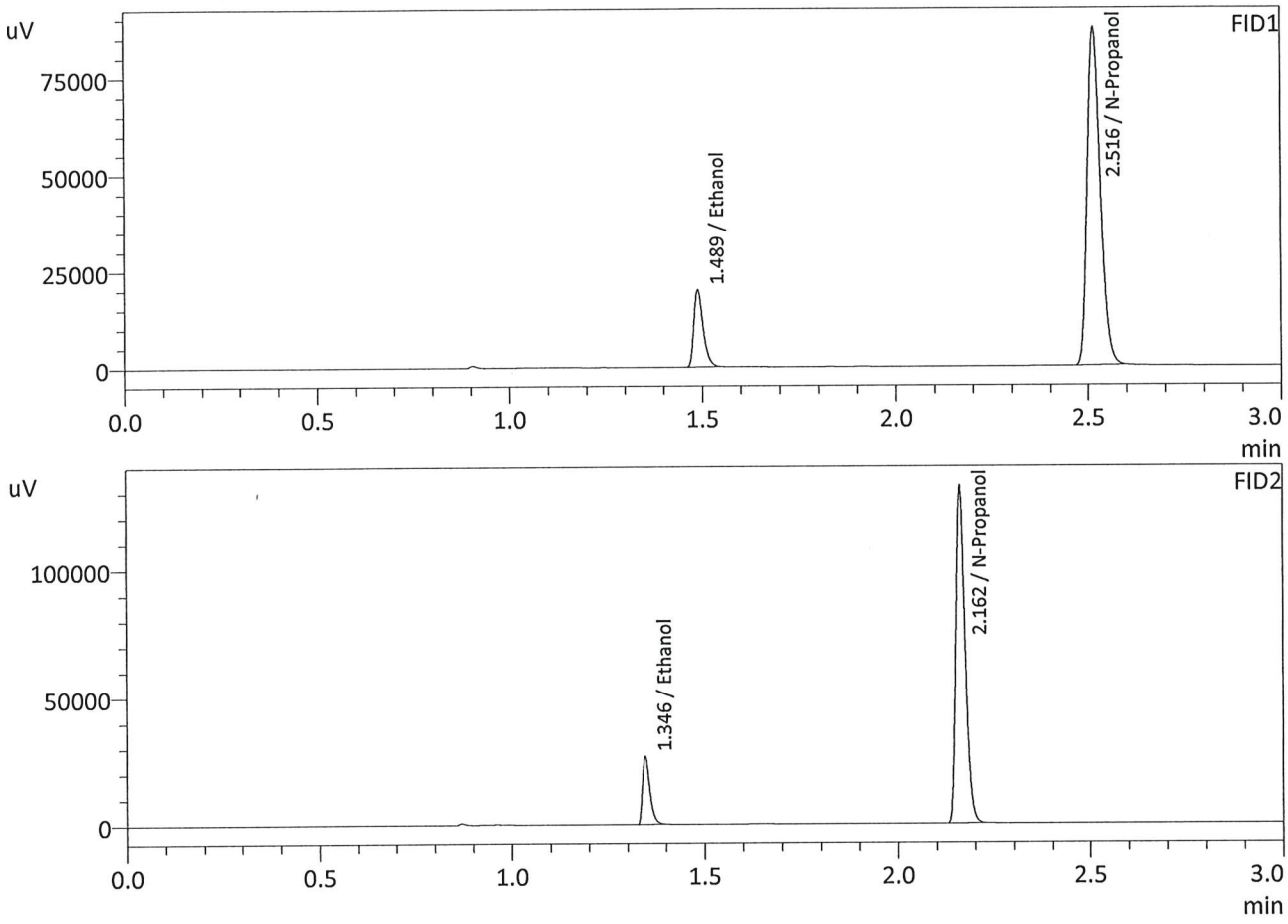
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results
0.080

Calibration and control data are stored centrally.

JV

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 7/24/2023 3:03:20 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

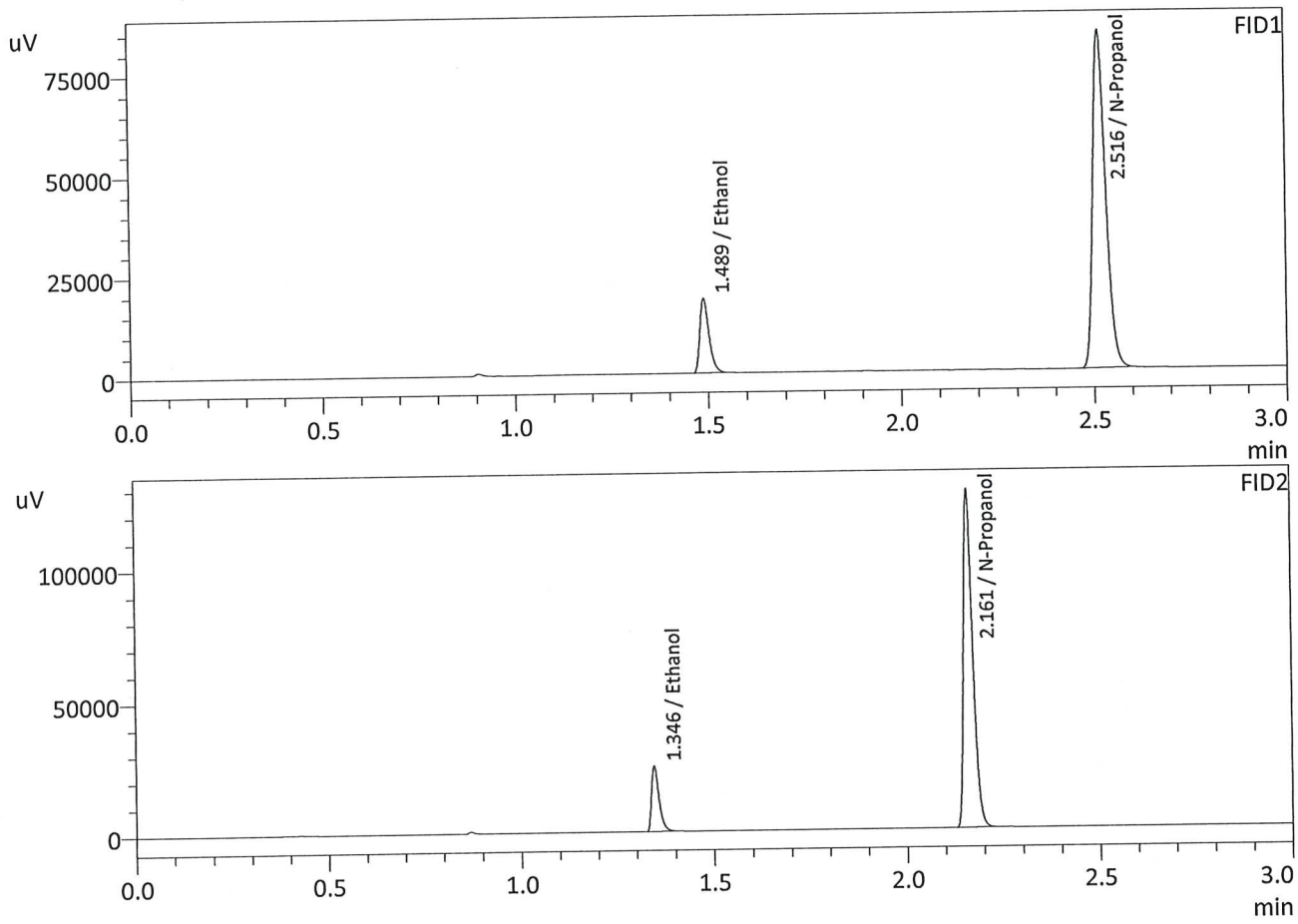
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0820	33221	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203036	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	35596	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218936	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 7/24/2023 3:11:35 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	30756	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195672	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	32982	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211037	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 7/24/2023 5:46:00 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2137	0.2136	0.0001	0.2136	0.0018	0.2145
(g/100cc)	0.2153	0.2156	0.0003	0.2154		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230714.gcm

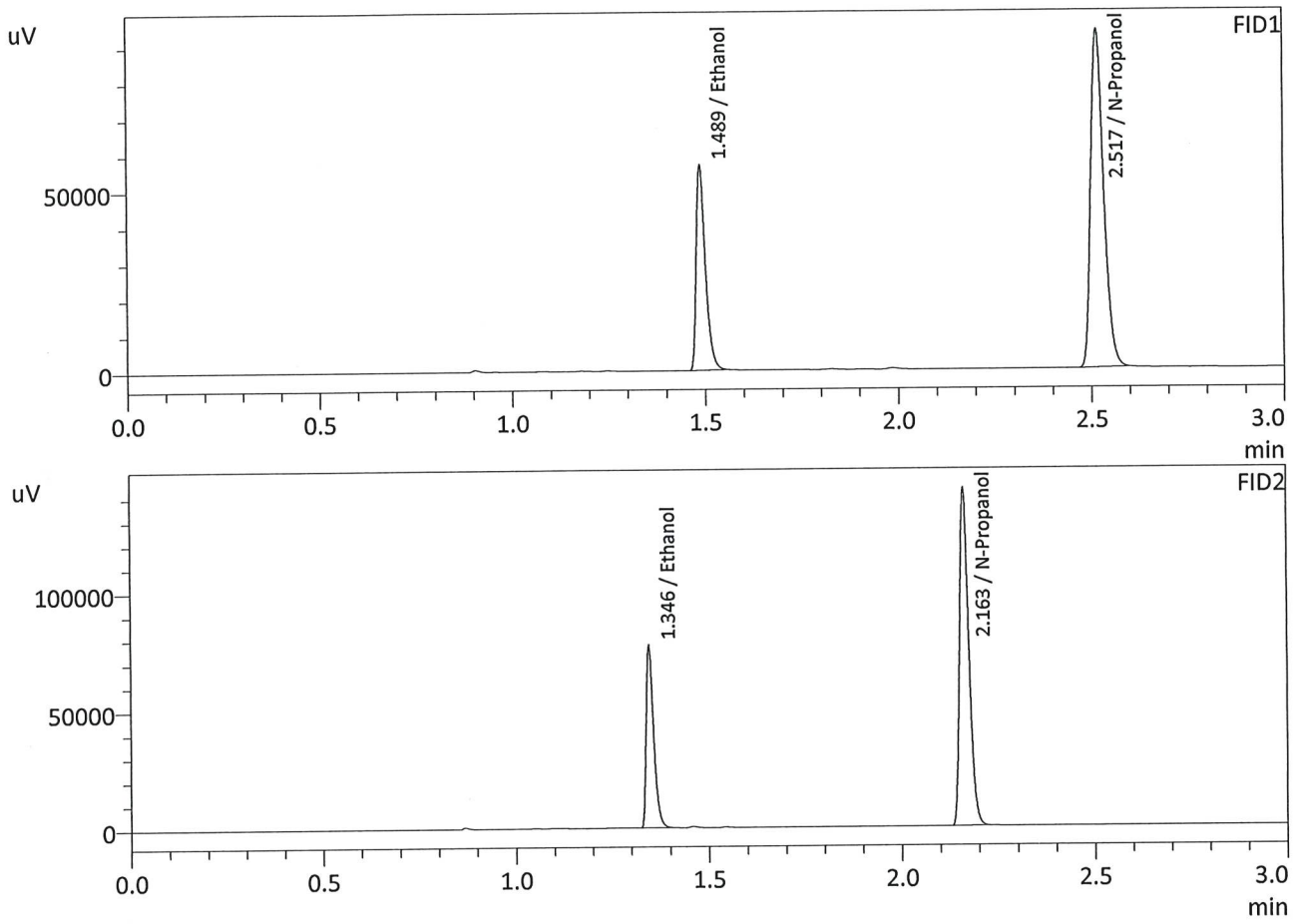
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%

Overall Mean (g/100cc)	Low	High	5 % of Mean
0.214	0.203	0.225	0.011

Reported Results
0.214

Calibration and control data are stored centrally.

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 7/24/2023 5:46:00 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

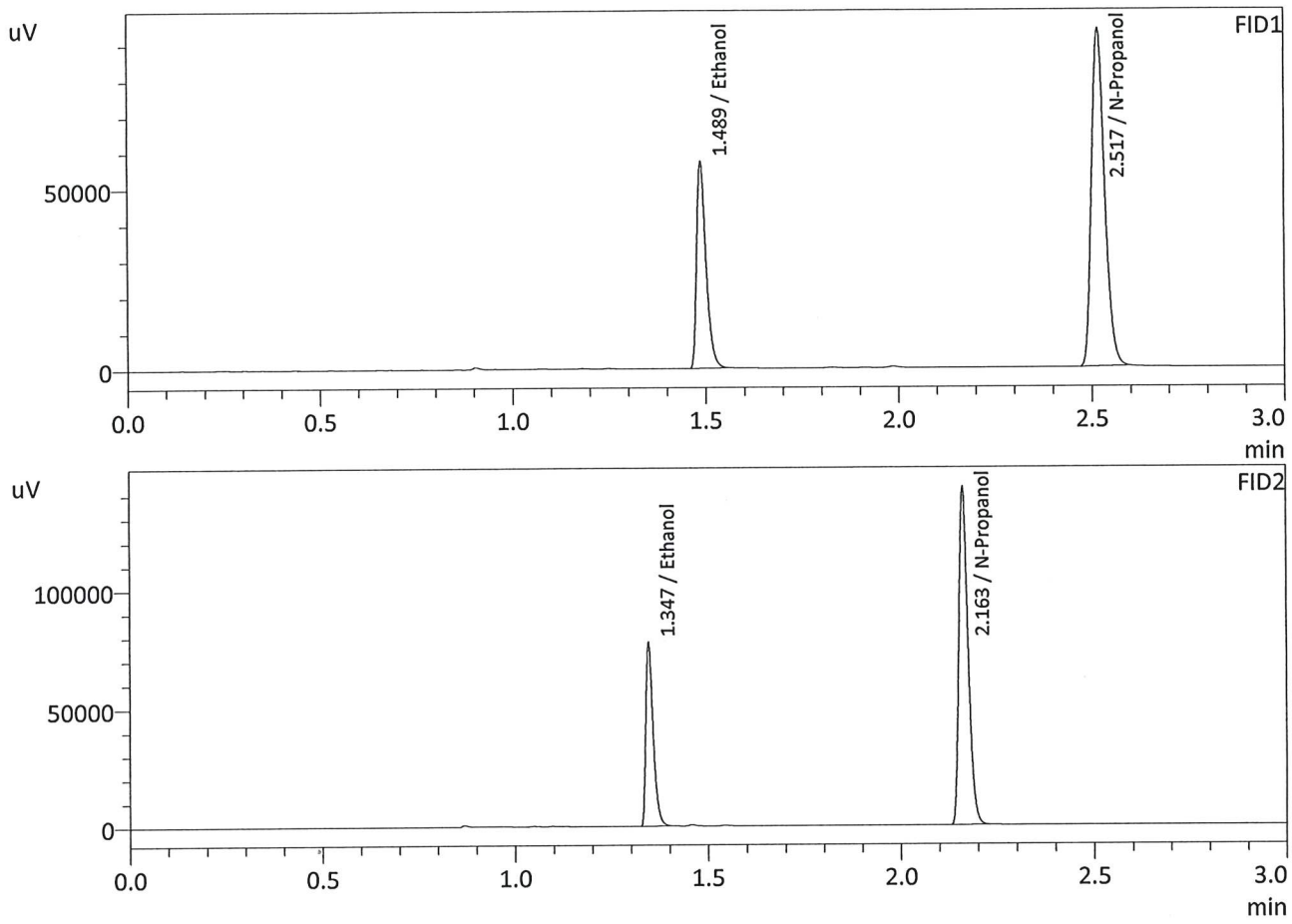
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2137	94610	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218854	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2136	102074	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236732	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 7/24/2023 5:53:43 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2153	95300	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218777	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2156	102970	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236579	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC1-2 **Analysis Date(s): 7/24/2023 8:43:30 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0826	0.0825	0.0001	0.0825	0.0019	0.0816
(g/100cc)	0.0807	0.0806	0.0001	0.0806		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230714.gcm

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

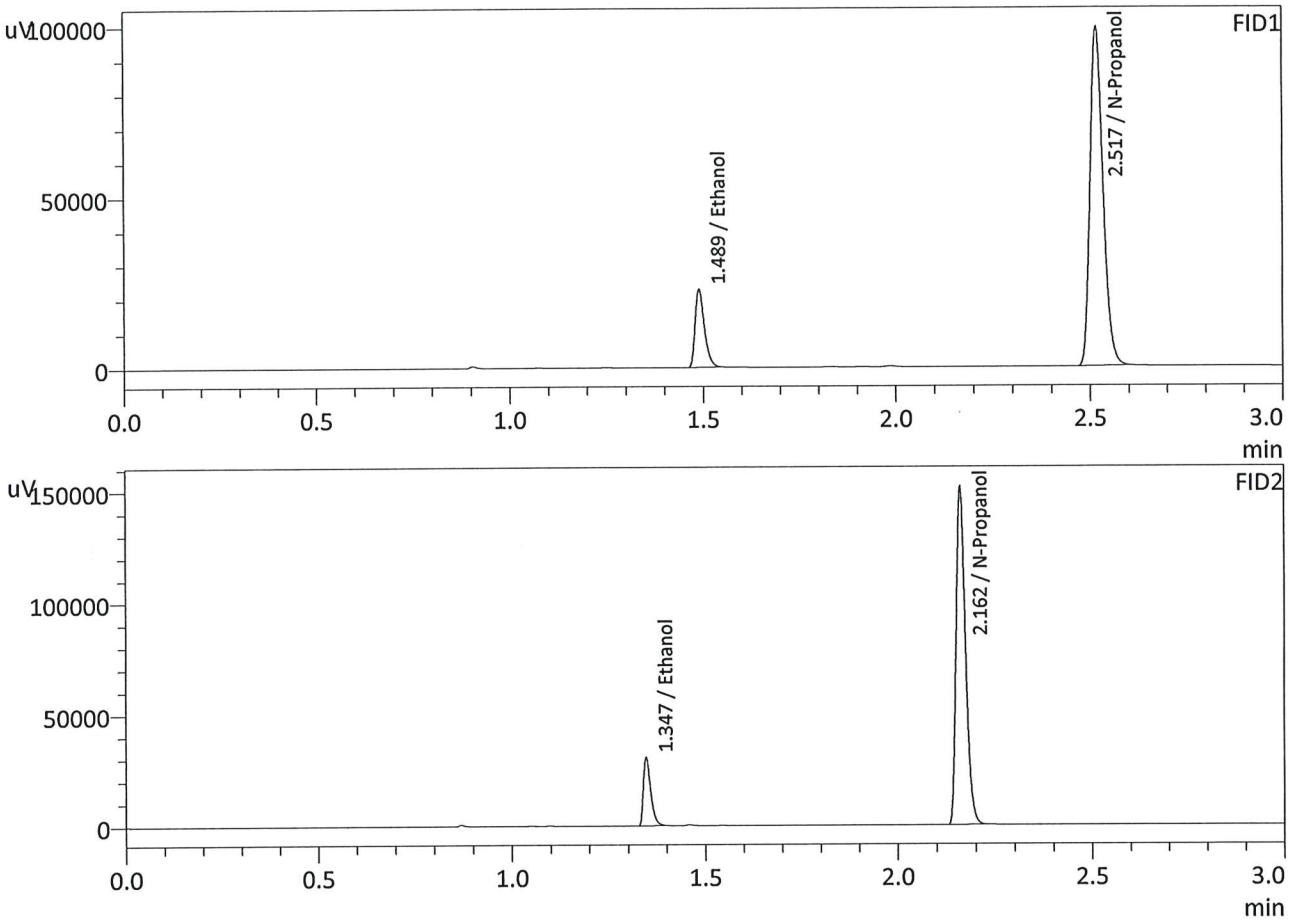
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

JO

Sample Name : QC1-2
Laboratory : Meridian
Injection Date : 7/24/2023 8:43:30 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

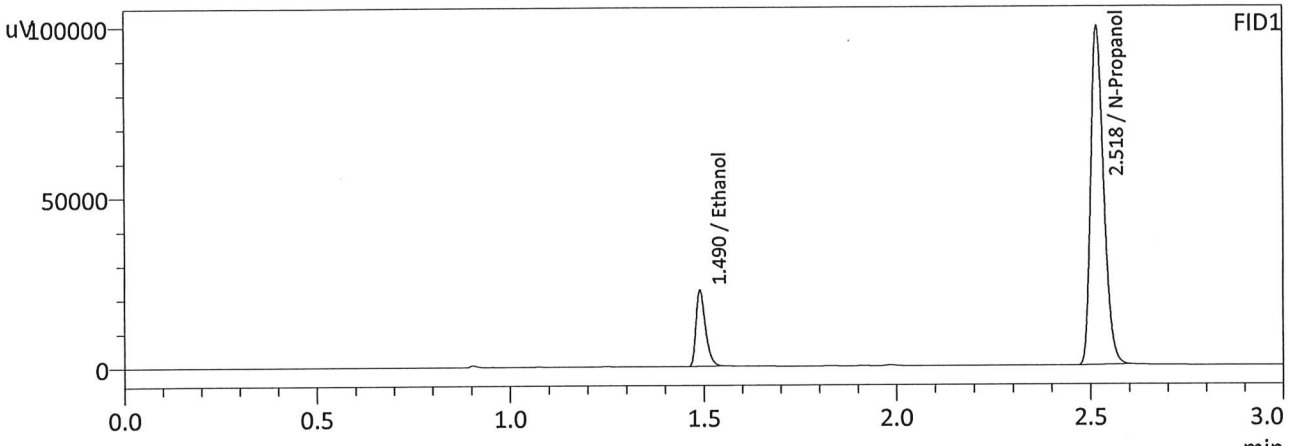
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	38224	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232001	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

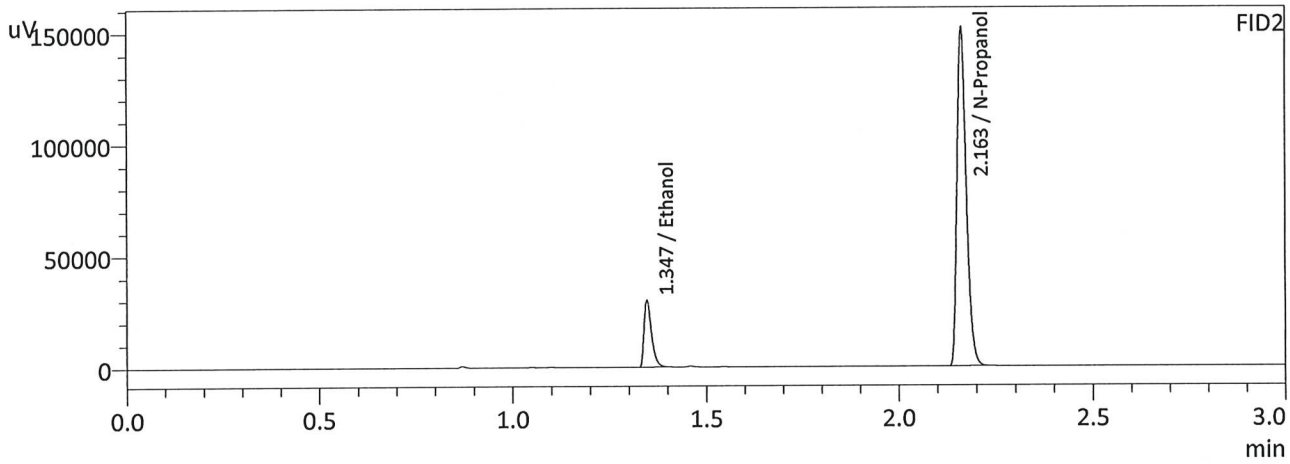
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0825	41177	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	250485	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 7/24/2023 8:52:20 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	37361	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232036	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	40240	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	250651	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC2-2 **Analysis Date(s):** 7/24/2023 9:32:09 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2166	0.2172	0.0006	0.2169	0.0088	0.2125
(g/100cc)	0.2078	0.2084	0.0006	0.2081		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230714.gcm

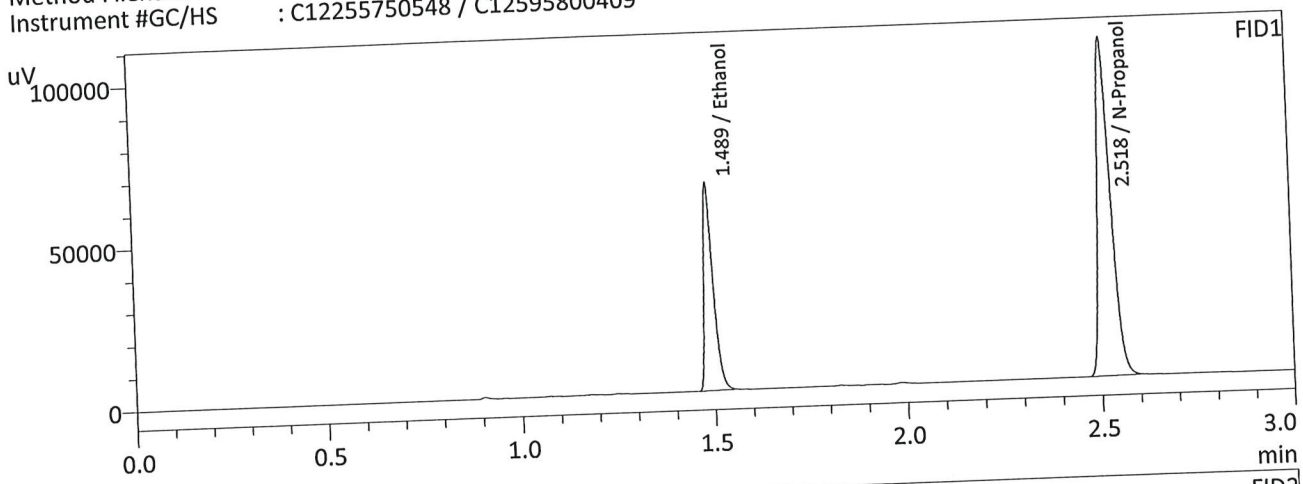
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.212	0.201	0.223	0.011

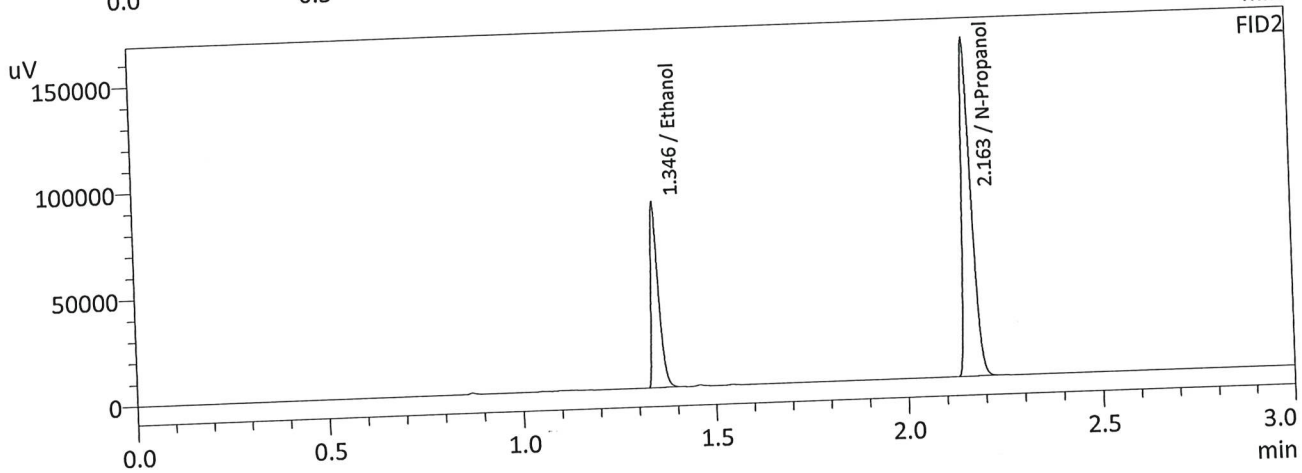
Reported Results
0.212

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 7/24/2023 9:32:09 PM
Vial # : 53
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

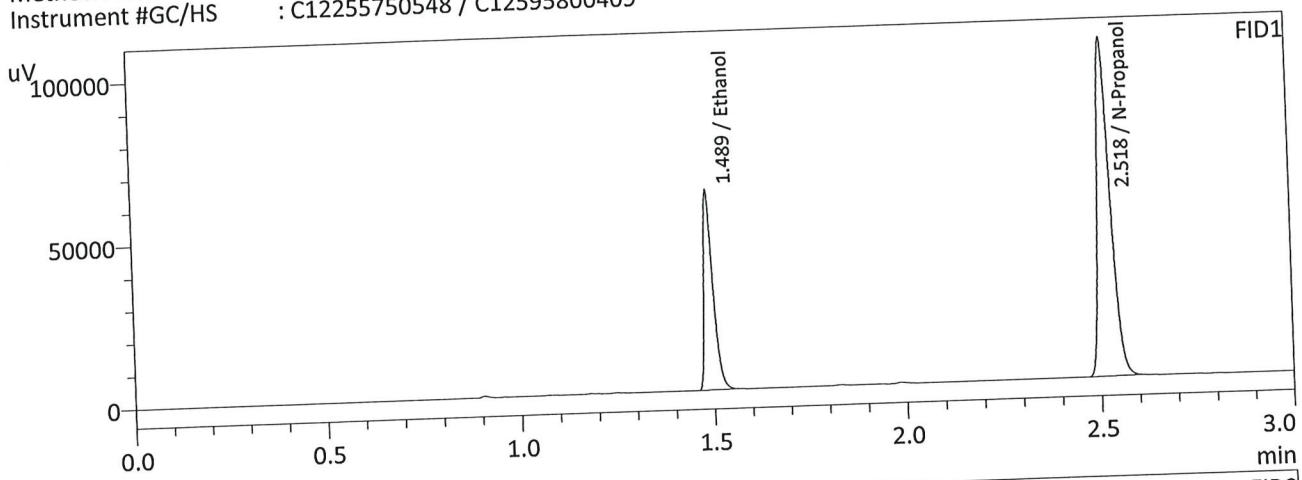
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2166	106842	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243788	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

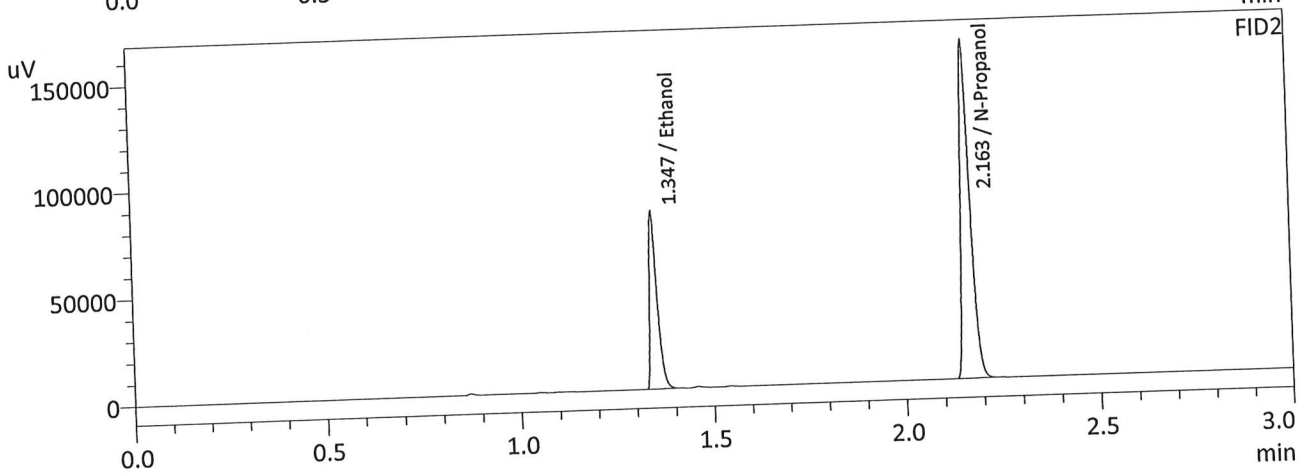
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2172	115365	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263094	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 7/24/2023 9:41:56 PM
Vial # : 54
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

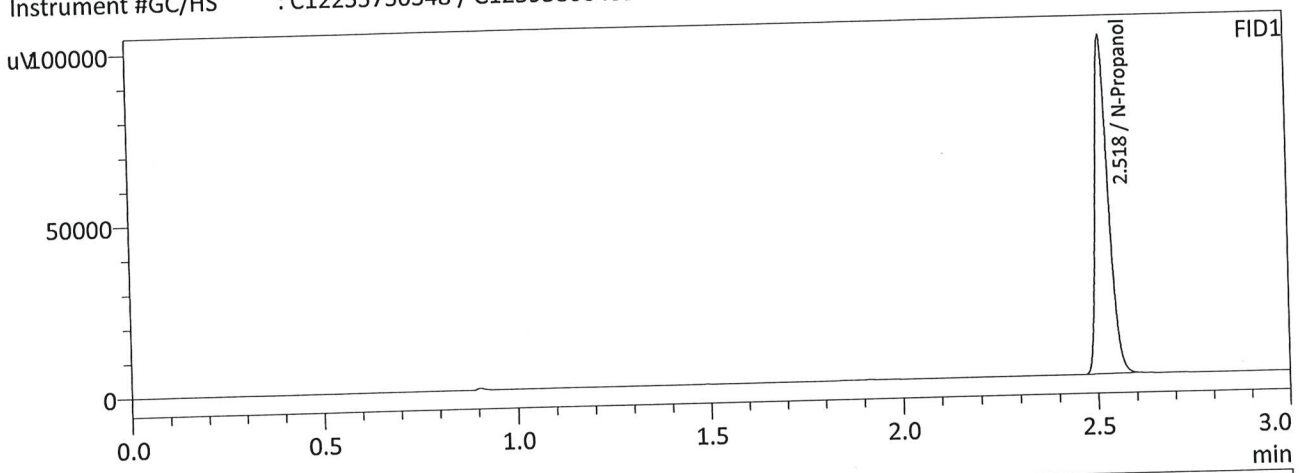
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	102037	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	242788	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

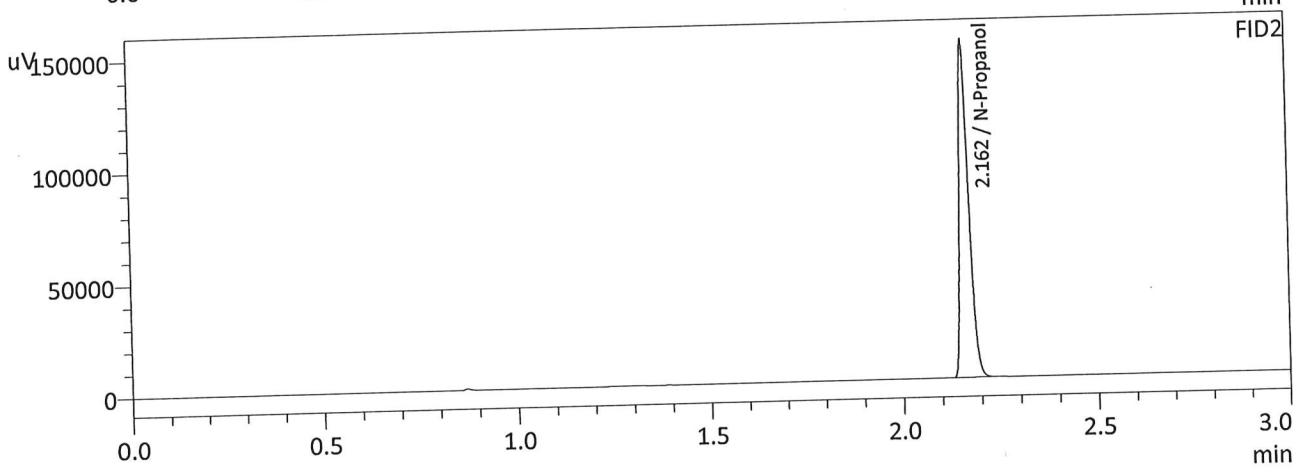
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2084	110358	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262383	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JU

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/24/2023 9:49:20 PM
Vial # : 55
Method Filename : Default Project - ALCOHOL_230714.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	231144	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	249622	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

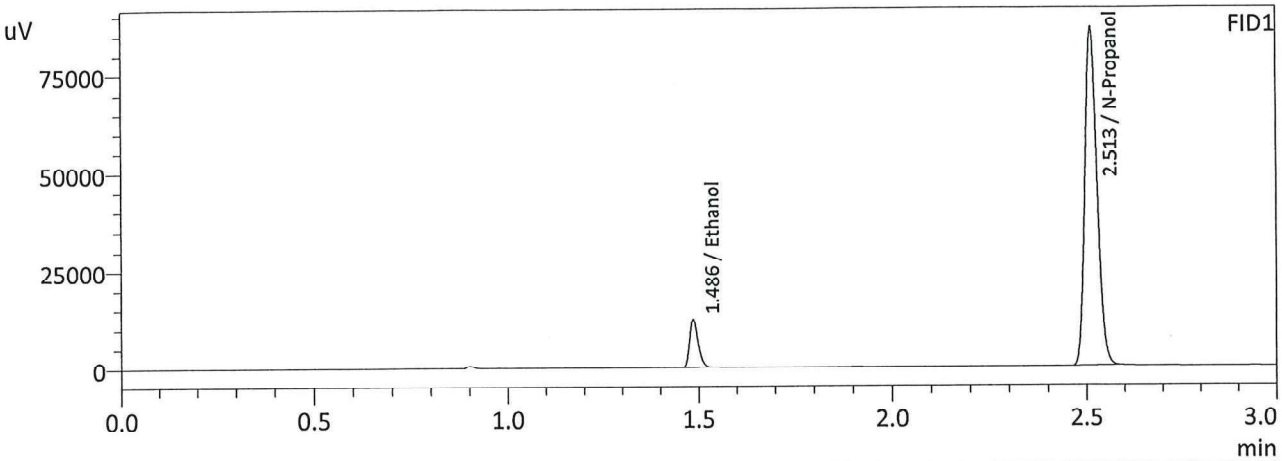
Meridian Blood Alcohol Analysis Batch Table

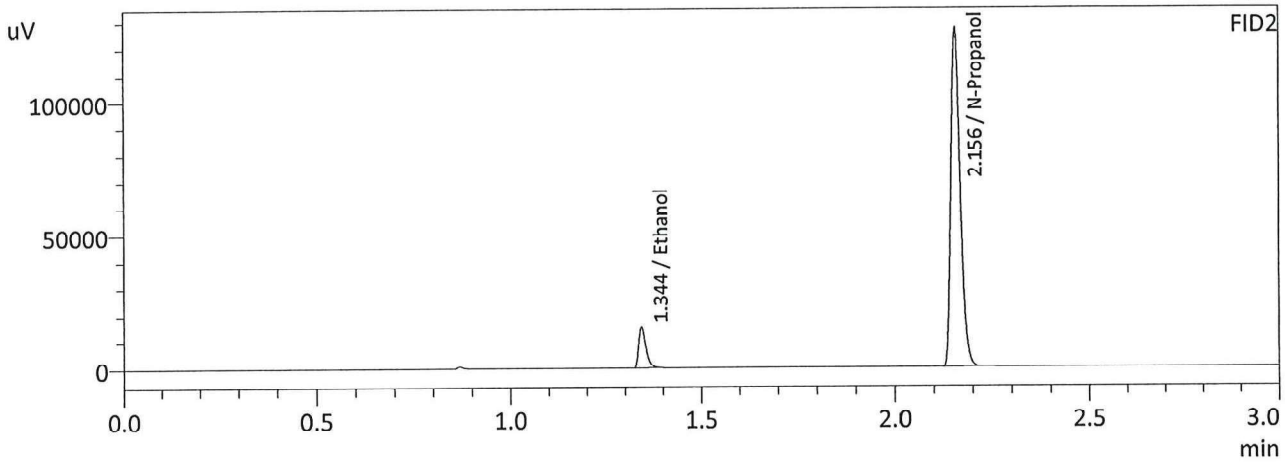
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 230714.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230714.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230714.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230714.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230714.gcm
6	0.08 QA	0:Unknown	0	ALCOHOL 230714.gcm
7	M2023-2974-1	0:Unknown	0	ALCOHOL 230714.gcm
8	M2023-2974-1-B	0:Unknown	0	ALCOHOL 230714.gcm
9	M2023-2982-1	0:Unknown	0	ALCOHOL 230714.gcm
10	M2023-2982-1-B	0:Unknown	0	ALCOHOL 230714.gcm
11	M2023-2984-1	0:Unknown	0	ALCOHOL 230714.gcm
12	M2023-2984-1-B	0:Unknown	0	ALCOHOL 230714.gcm
13	M2023-2985-1	0:Unknown	0	ALCOHOL 230714.gcm
14	M2023-2985-1-B	0:Unknown	0	ALCOHOL 230714.gcm
15	M2023-3010-1	0:Unknown	0	ALCOHOL 230714.gcm
16	M2023-3010-1-B	0:Unknown	0	ALCOHOL 230714.gcm
17	M2023-3011-1	0:Unknown	0	ALCOHOL 230714.gcm
18	M2023-3011-1-B	0:Unknown	0	ALCOHOL 230714.gcm
19	M2023-3012-1	0:Unknown	0	ALCOHOL 230714.gcm
20	M2023-3012-1-B	0:Unknown	0	ALCOHOL 230714.gcm
21	M2023-3028-1	0:Unknown	0	ALCOHOL 230714.gcm
22	M2023-3028-1-B	0:Unknown	0	ALCOHOL 230714.gcm
23	M2023-3029-1	0:Unknown	0	ALCOHOL 230714.gcm
24	M2023-3029-1-B	0:Unknown	0	ALCOHOL 230714.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230714.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230714.gcm
27	M2023-3043-1	0:Unknown	0	ALCOHOL 230714.gcm
28	M2023-3043-1-B	0:Unknown	0	ALCOHOL 230714.gcm
29	M2023-3053-1	0:Unknown	0	ALCOHOL 230714.gcm
30	M2023-3053-1-B	0:Unknown	0	ALCOHOL 230714.gcm
31	M2023-3054-1	0:Unknown	0	ALCOHOL 230714.gcm
32	M2023-3054-1-B	0:Unknown	0	ALCOHOL 230714.gcm
33	M2023-3084-1	0:Unknown	0	ALCOHOL 230714.gcm
34	M2023-3084-1-B	0:Unknown	0	ALCOHOL 230714.gcm
35	M2023-3085-1	0:Unknown	0	ALCOHOL 230714.gcm
36	M2023-3085-1-B	0:Unknown	0	ALCOHOL 230714.gcm
37	M2023-3086-1	0:Unknown	0	ALCOHOL 230714.gcm
38	M2023-3086-1-B	0:Unknown	0	ALCOHOL 230714.gcm
39	M2023-3098-1	0:Unknown	0	ALCOHOL 230714.gcm
40	M2023-3098-1-B	0:Unknown	0	ALCOHOL 230714.gcm
41	M2023-3099-1	0:Unknown	0	ALCOHOL 230714.gcm
42	M2023-3099-1-B	0:Unknown	0	ALCOHOL 230714.gcm
43	M2023-3121-1	0:Unknown	0	ALCOHOL 230714.gcm
44	M2023-3121-1-B	0:Unknown	0	ALCOHOL 230714.gcm
45	M2023-3123-1	0:Unknown	0	ALCOHOL 230714.gcm
46	M2023-3123-1-B	0:Unknown	0	ALCOHOL 230714.gcm
47	QC1-2	0:Unknown	0	ALCOHOL 230714.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 230714.gcm
49	M2023-3144-1	0:Unknown	0	ALCOHOL 230714.gcm
50	M2023-3144-1-B	0:Unknown	0	ALCOHOL 230714.gcm
51	P2023-2122-1	0:Unknown	0	ALCOHOL 230714.gcm
52	P2023-2122-1-B	0:Unknown	0	ALCOHOL 230714.gcm
53	QC2-2	0:Unknown	0	ALCOHOL 230714.gcm
54	QC2-2-B	0:Unknown	0	ALCOHOL 230714.gcm
55	INT STD BLK	0:Unknown	0	ALCOHOL 230714.gcm

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 7/14/2023 1:08:56 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

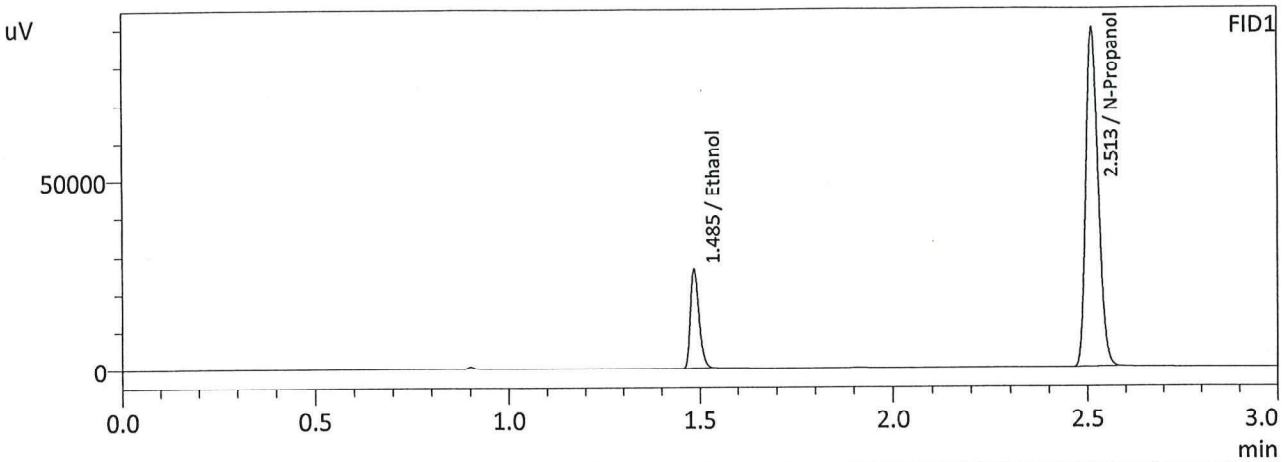
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0501	18970	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192345	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

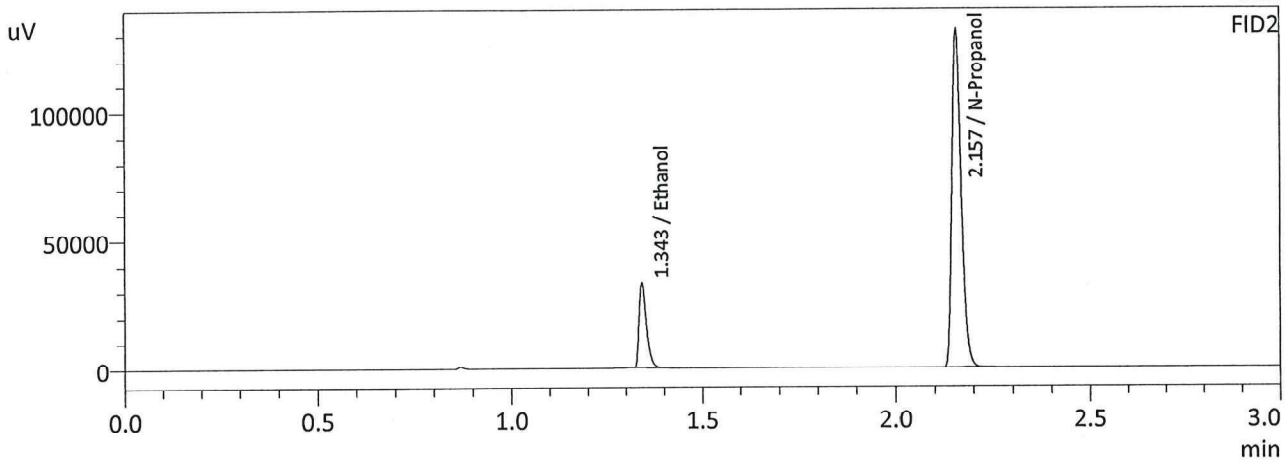
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0499	20683	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210604	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 7/14/2023 1:16:16 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

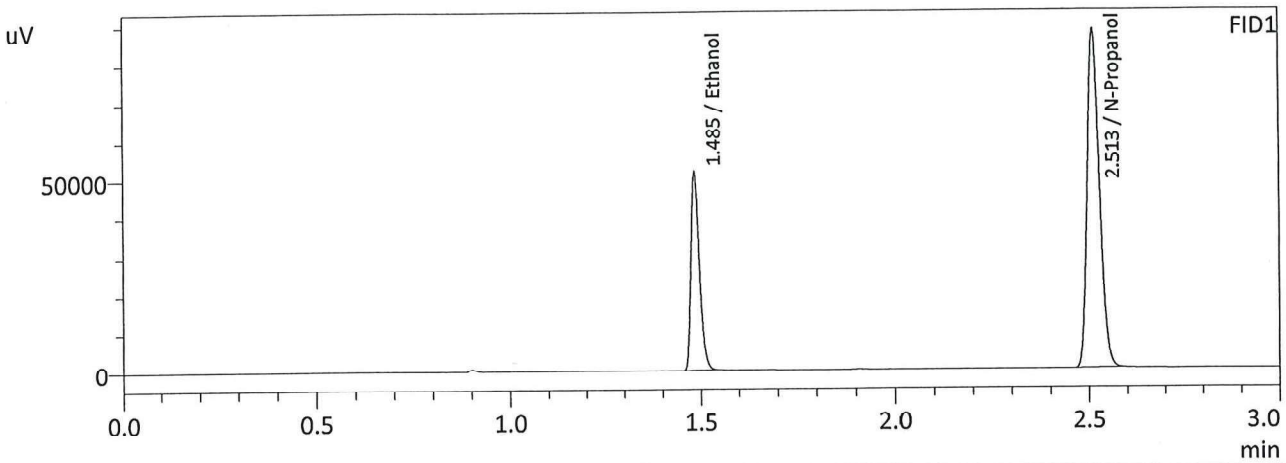
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1010	40383	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199467	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

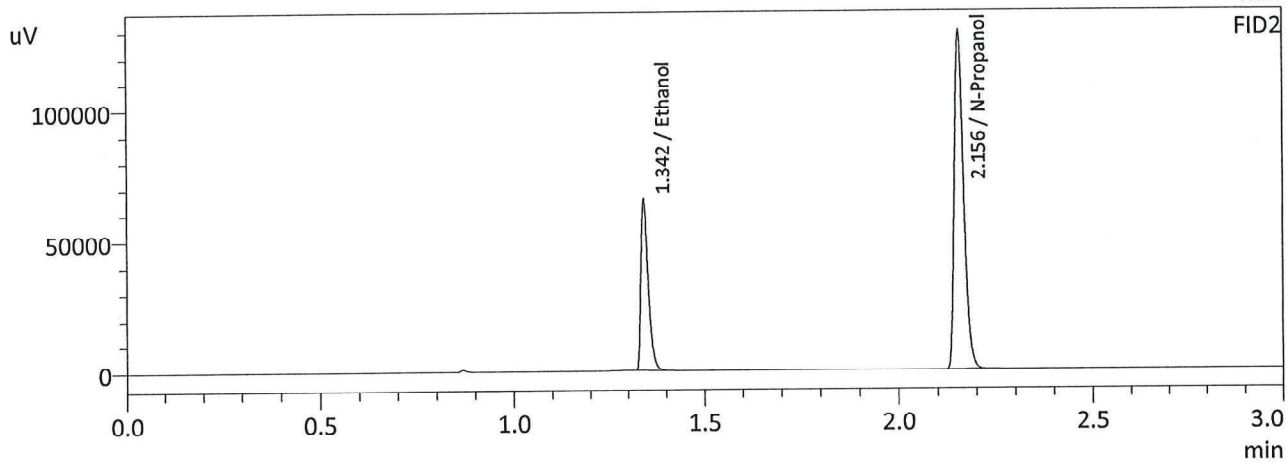
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1012	44201	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218215	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 7/14/2023 1:23:36 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

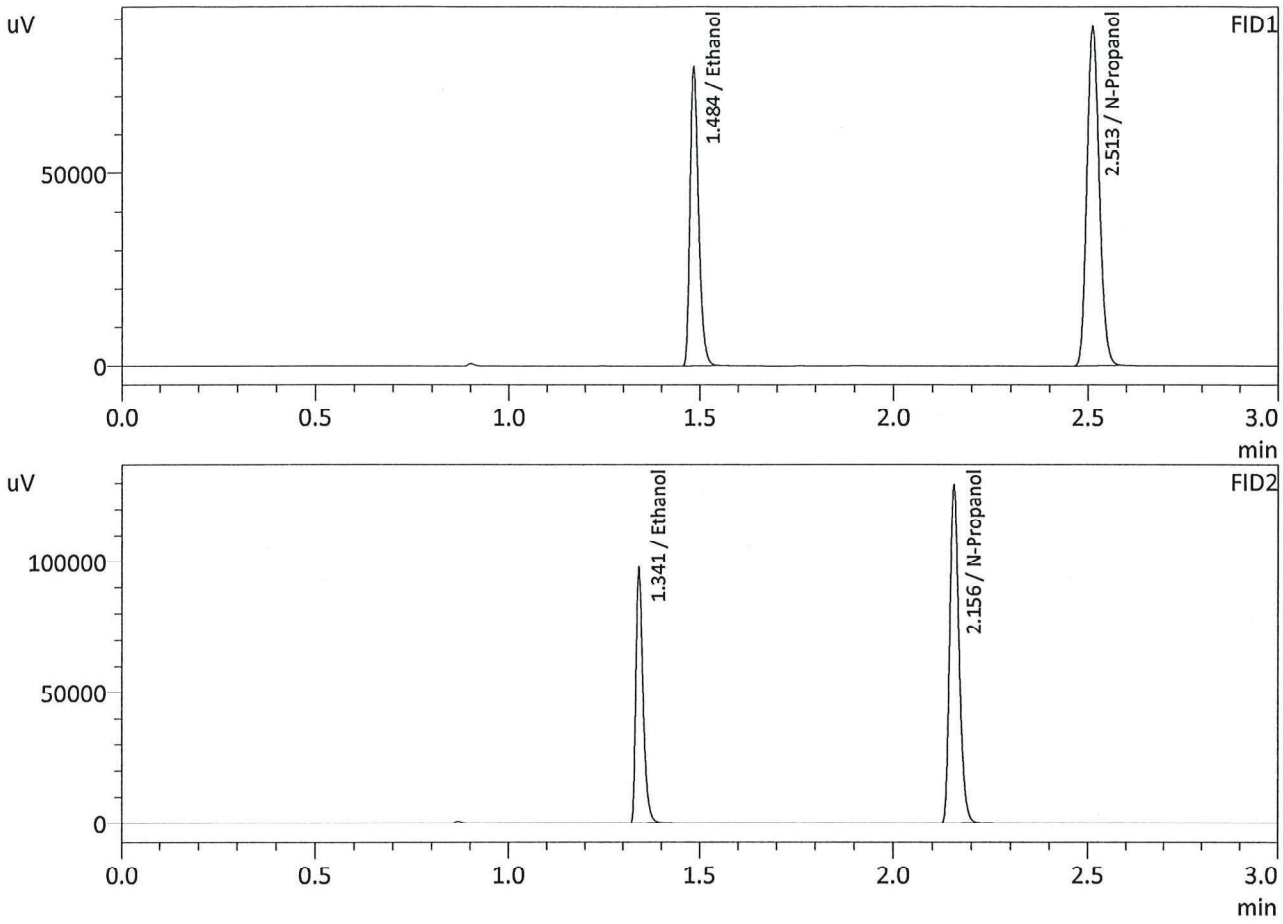
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2001	79270	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195931	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2001	86530	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214371	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 7/14/2023 1:32:29 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



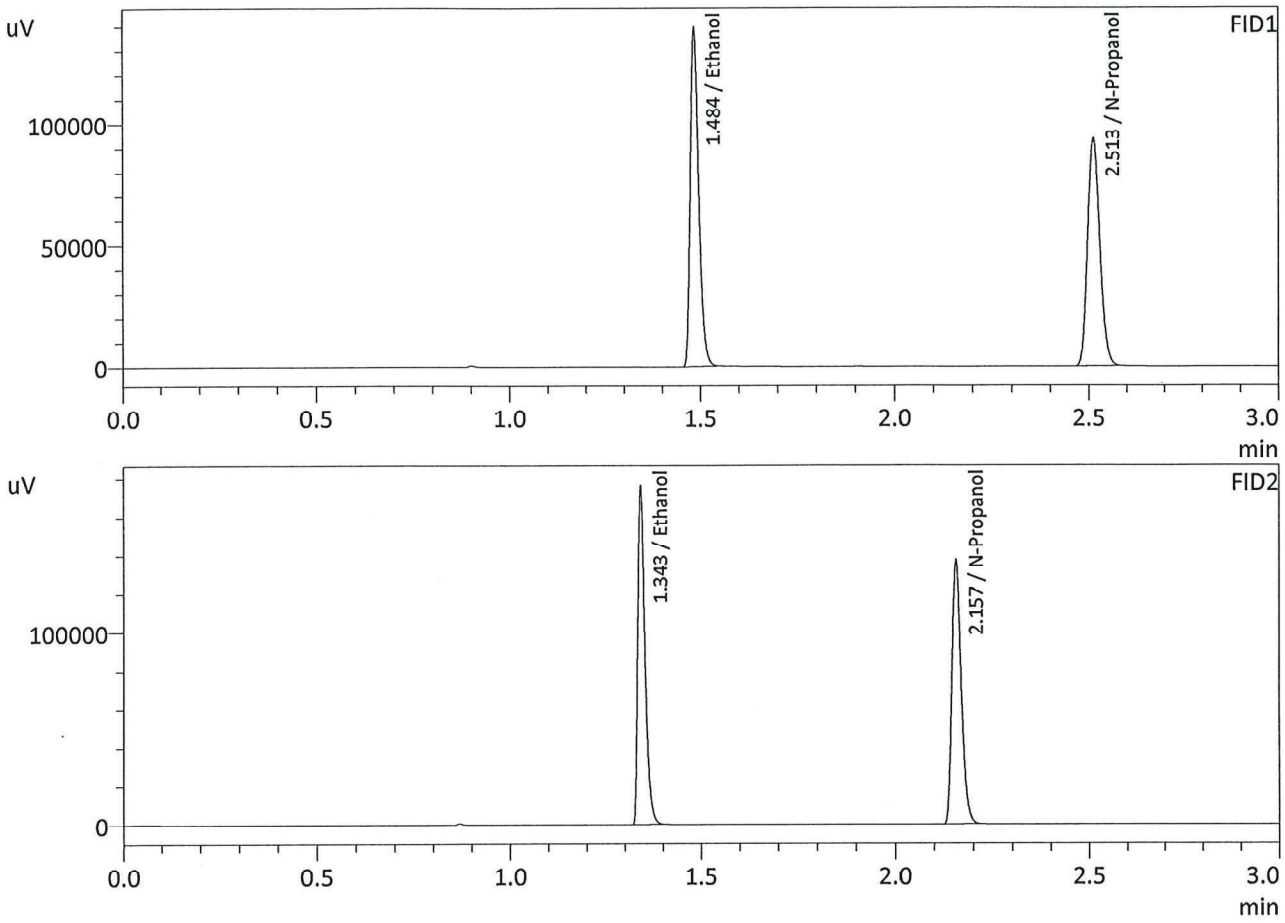
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2972	117846	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195545	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2972	128446	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213674	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 7/14/2023 1:41:04 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230714.gcm
Instrument #GC/HS : C12255750548 / C12595800409



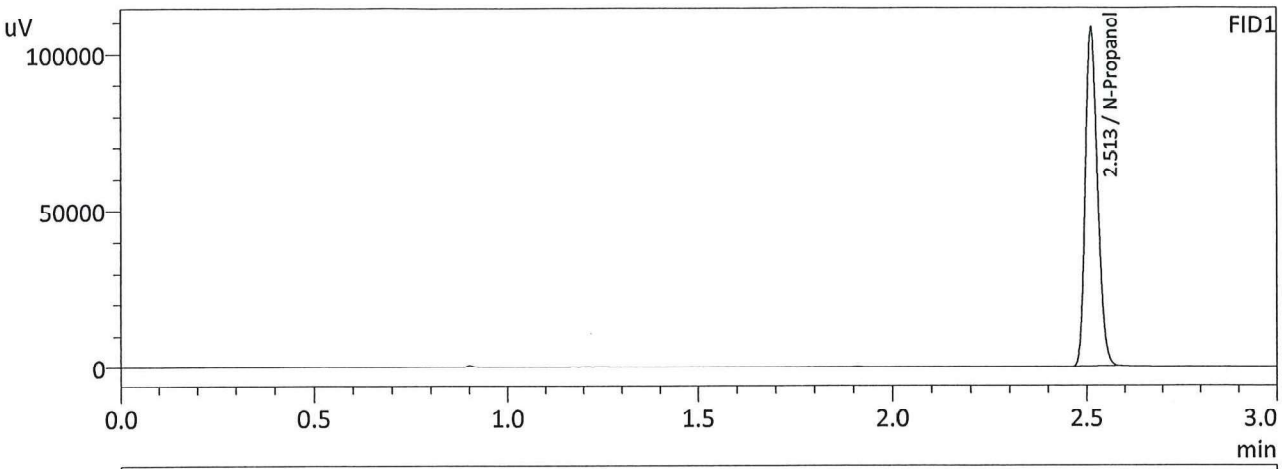
FID1

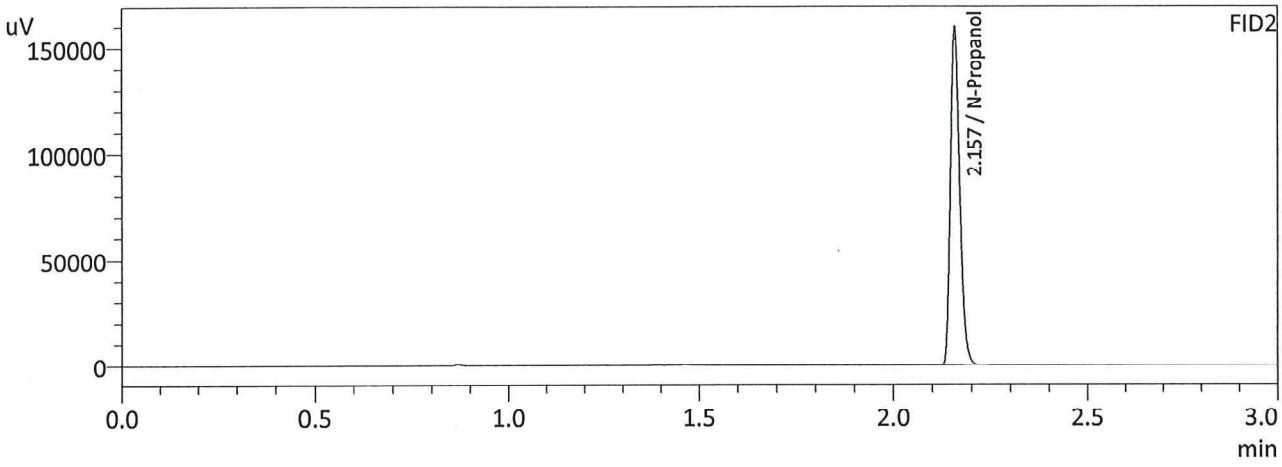
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5013	212301	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208284	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5013	231255	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	227587	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 7/14/2023 1:48:15 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230714.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	240279	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

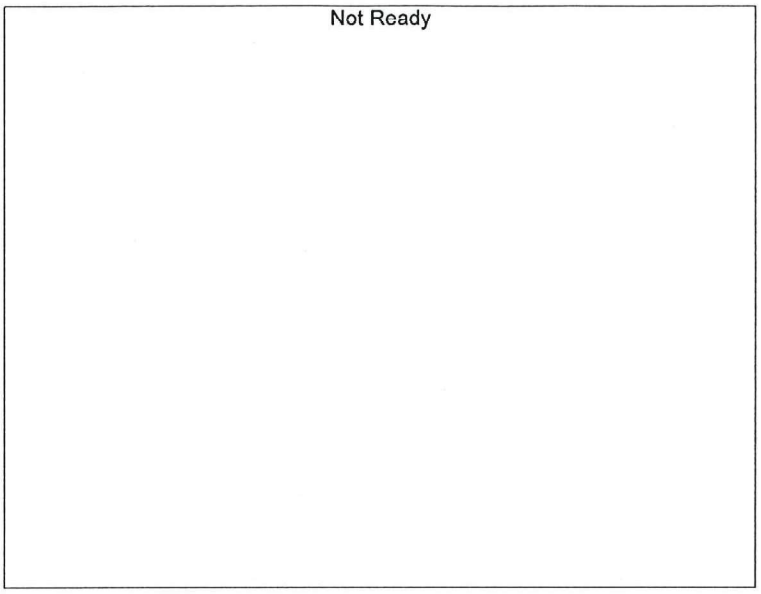
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263559	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

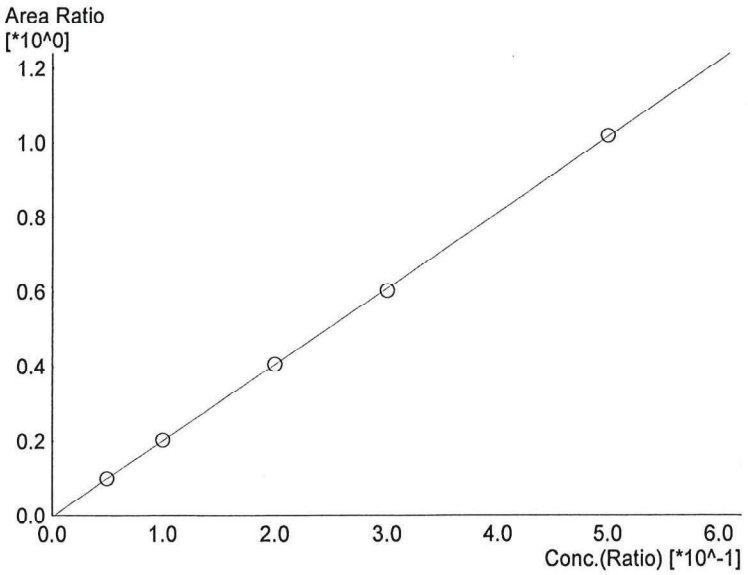
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_230714.gcm
Batch File :Default Project - CALCURVE_230714.gcb
Date Acquired :7/14/2023 1:41:04 PM
Date Created :7/14/2023 1:35:32 PM
Date Modified :7/14/2023 2:03:55 PM



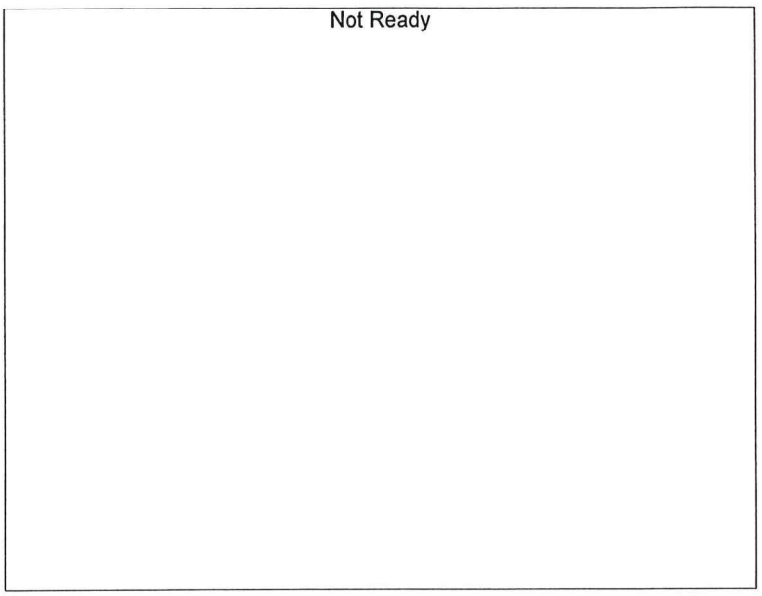
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



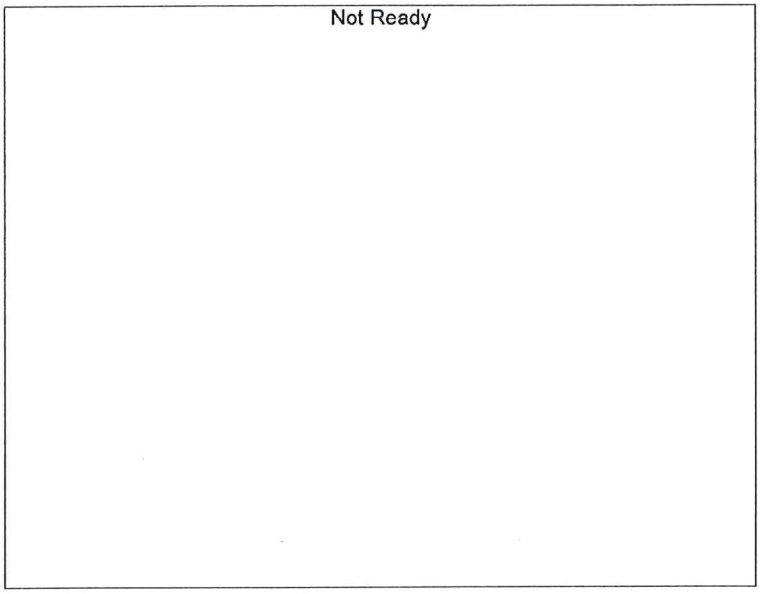
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.04050*x-0.00379535
R^2 value= 0.9999145
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	18970	0.0501
2	0.100	40383	0.1010
3	0.200	79270	0.2001
4	0.300	117846	0.2972
5	0.500	212301	0.5013



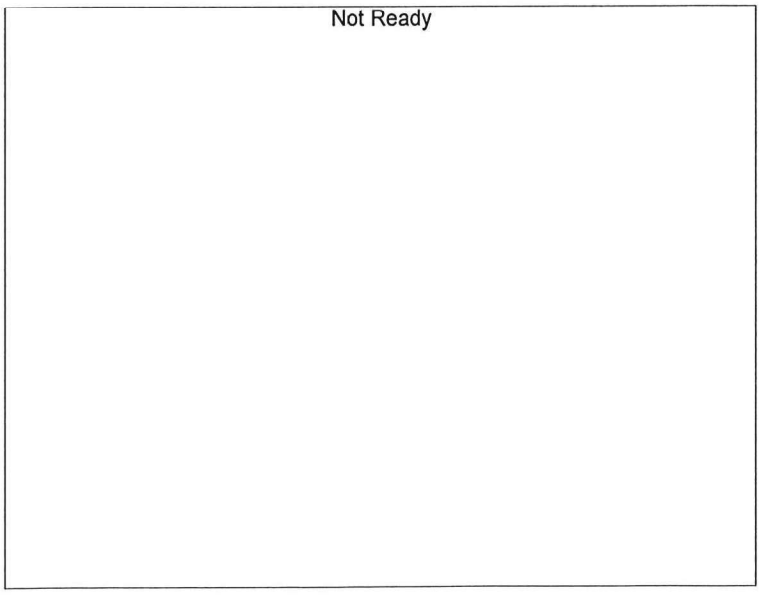
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



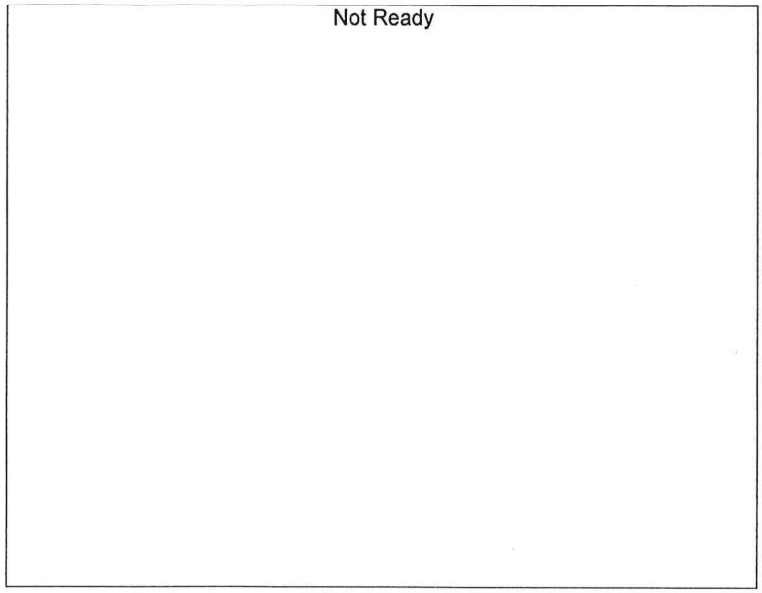
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



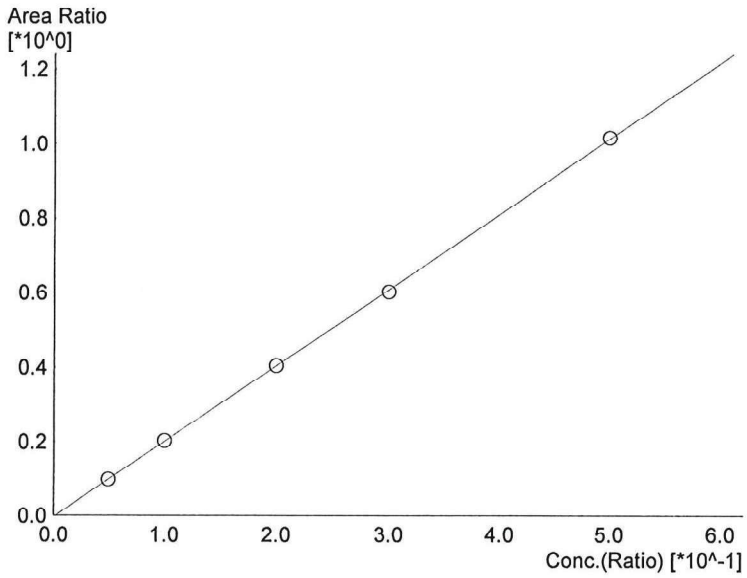
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



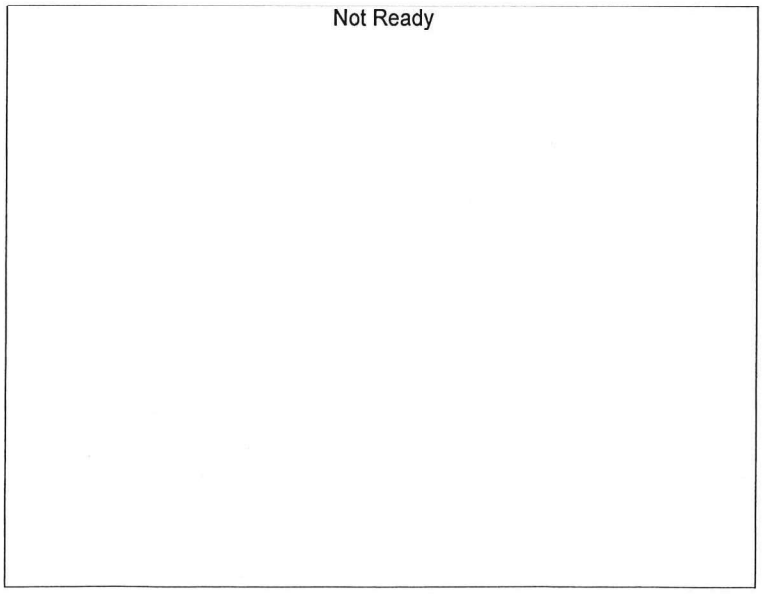
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



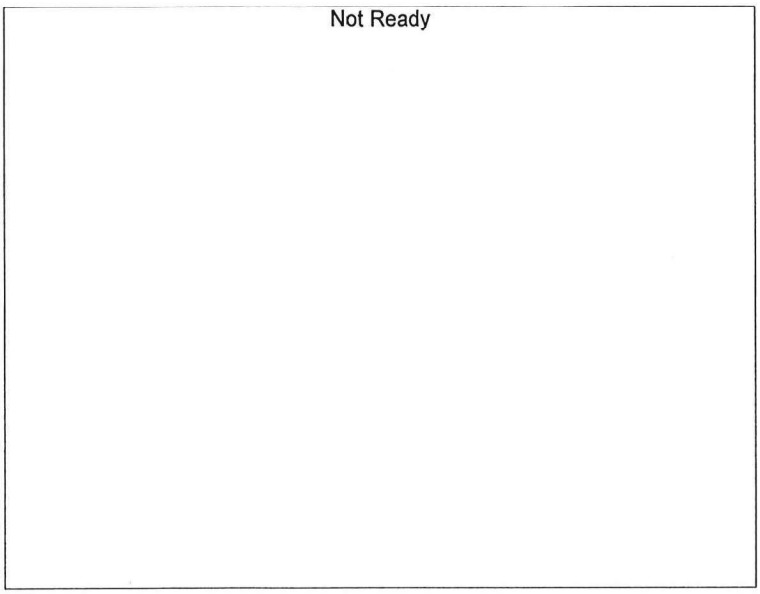
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.03368*x-0.00341507
R^2 value= 0.9999150
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20683	0.0499
2	0.100	44201	0.1012
3	0.200	86530	0.2001
4	0.300	128446	0.2972
5	0.500	231255	0.5013



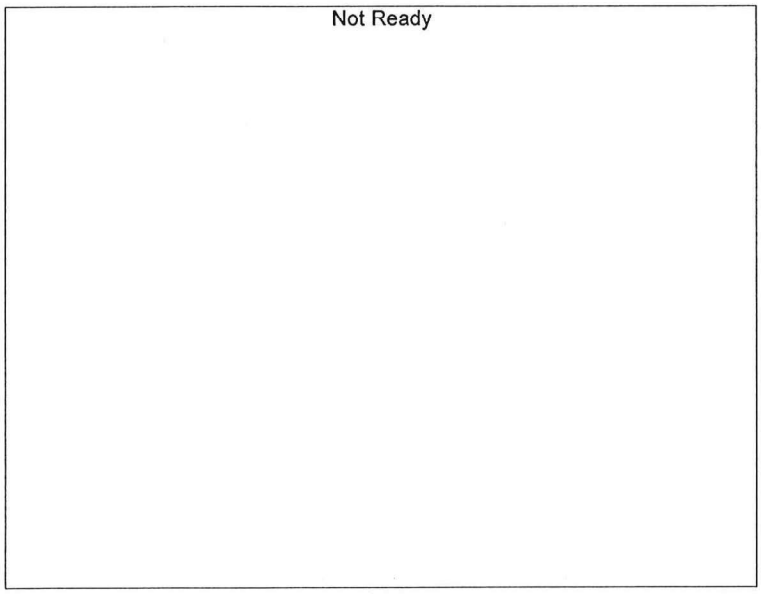
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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.

Ja

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	0:Unknown	1	ALCOHOL 230714.gcm
2	0.100	0:Unknown	2	ALCOHOL 230714.gcm
3	0.200	0:Unknown	3	ALCOHOL 230714.gcm
4	0.300	0:Unknown	4	ALCOHOL 230714.gcm
5	0.500	0:Unknown	5	ALCOHOL 230714.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230714.gcm

JC