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): 5/19/23**

Calibration Date: *(if different)*

Worklist #: 6378

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0801 g/100cc
					0.0830 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2150 g/100cc
					0.2135 g/100cc
					g/100cc

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

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	0.080 g/100cc

REVIEWED
By Melissa (Nikka) Bradley at 3:34 pm, May 23, 2023

Internal Standard Monitoring Worksheet

Worklist #: 6378 **Run Date(s):** 5/19/23

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

Sample Name	Column 1 Value	Column 2 Value
0.080	187355	203780
0.080	184460	200869
QC1	185517	201678
QC1	190430	207182
QC1	205089	223799
QC1	204866	223277
QC1		
QC1		
QC2	202956	221185
QC2	202773	221271
QC2	211045	230030
QC2	218019	237609
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	199251.0	159400.8	239101.2
Column 2	217068.0	173654.4	260481.6

JC

5/22/2023

Worklist: 6378

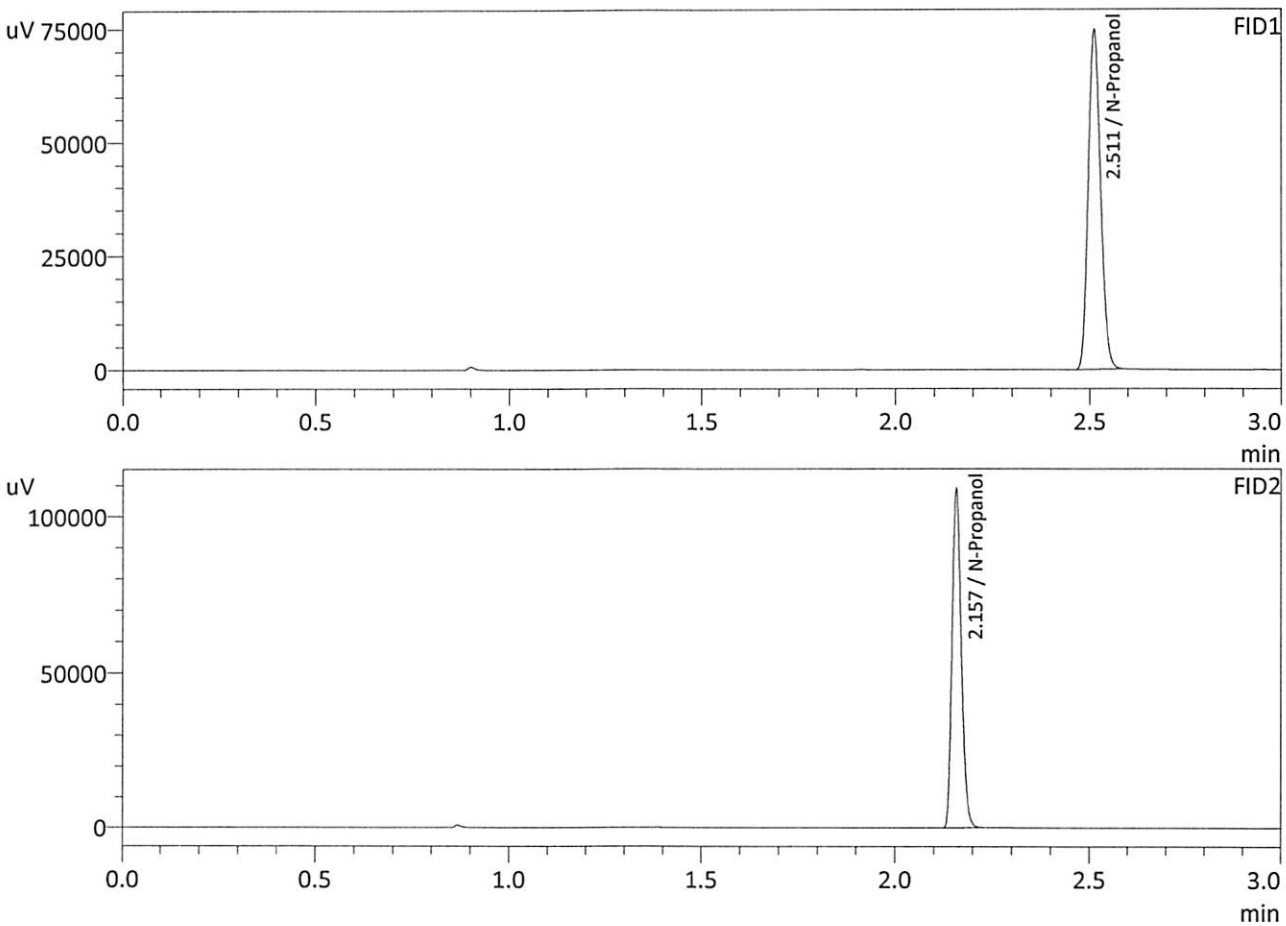
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-1304	3	UCK	Alcohol Analysis
M2023-1971	1	BCK	Alcohol Analysis
M2023-1987	1	BCK	Alcohol Analysis
M2023-1992	1	BCK	Alcohol Analysis
M2023-2003	1	BCK	Alcohol Analysis
M2023-2015	1	BCK	Alcohol Analysis
M2023-2030	1	BCK	Alcohol Analysis
M2023-2031	1	BCK	Alcohol Analysis
M2023-2044	1	BCK	Alcohol Analysis
M2023-2057	1	BCK	Alcohol Analysis
M2023-2080	1	BCK	Alcohol Analysis
M2023-2086	1	BCK	Alcohol Analysis
M2023-2087	1	BCK	Alcohol Analysis
M2023-2088	1	BCK	Alcohol Analysis
M2023-2089	1	BCK	Alcohol Analysis
M2023-2090	1	BCK	Alcohol Analysis
M2023-2105	1	BCK	Alcohol Analysis
M2023-2110	1	BCK	Alcohol Analysis
M2023-2123	1	BCK	Alcohol Analysis
M2023-2124	1	BCK	Alcohol Analysis
M2023-2125	1	BCK	Alcohol Analysis

Worklist: 6378

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-2126	1	BCK	Alcohol Analysis
M2023-2127	1	BCK	Alcohol Analysis

JG

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 5/19/2023 1:31:11 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

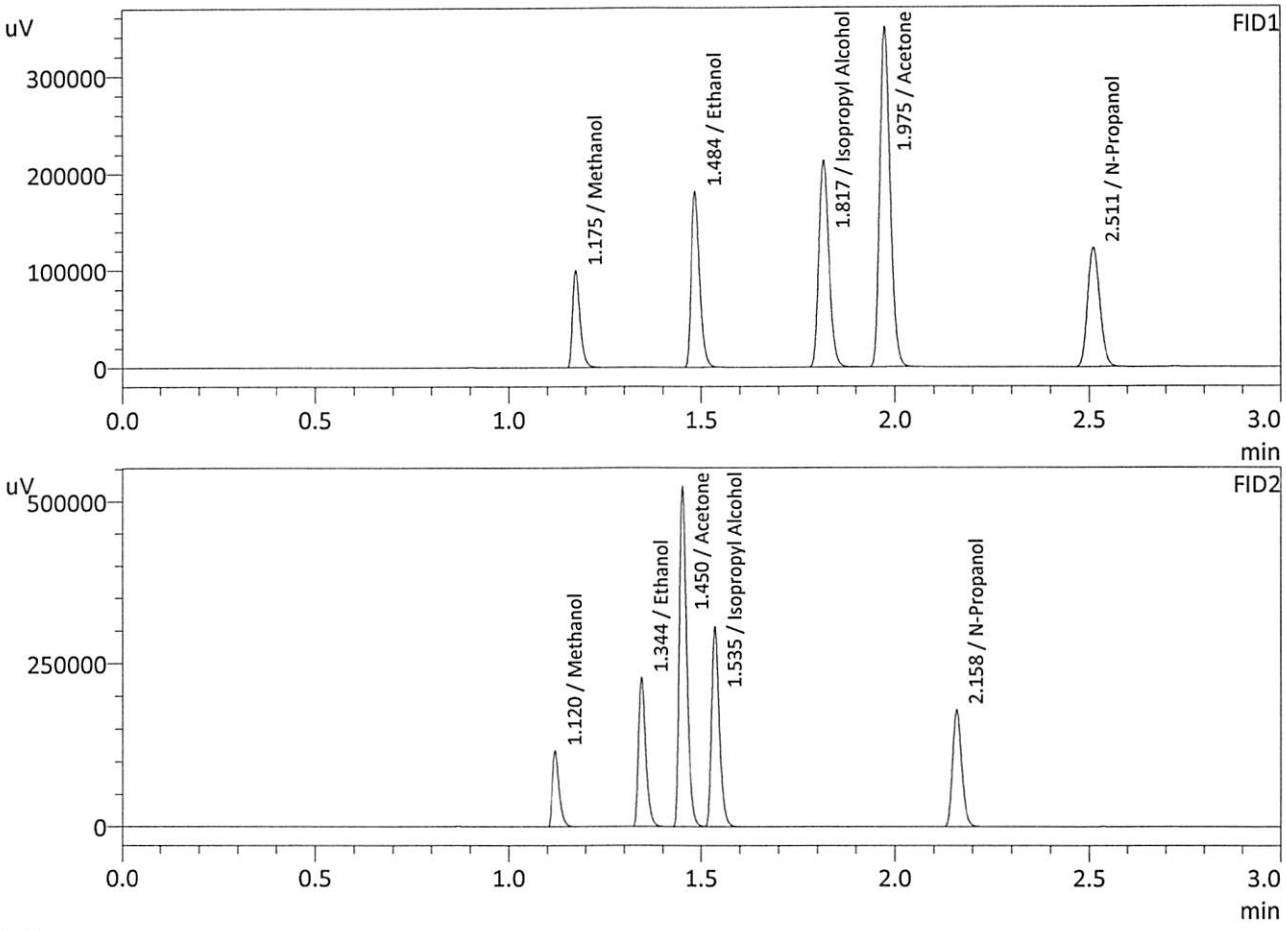
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	165811	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	180468	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 5/19/2023 1:38:31 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	133954	g/100cc
Ethanol	0.4647	275745	g/100cc
Isopropyl Alcohol	0.0000	391105	g/100cc
Acetone	0.0000	644864	g/100cc
N-Propanol	0.0000	270762	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	145420	g/100cc
Ethanol	0.4645	299236	g/100cc
Acetone	0.0000	701561	g/100cc
Isopropyl Alcohol	0.0000	424763	g/100cc
N-Propanol	0.0000	294595	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA **Item #** **Analysis Date(s): 5/19/23**

	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	0.0029	0.0807
(g/100cc)	0.0823	0.0821	0.0002	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

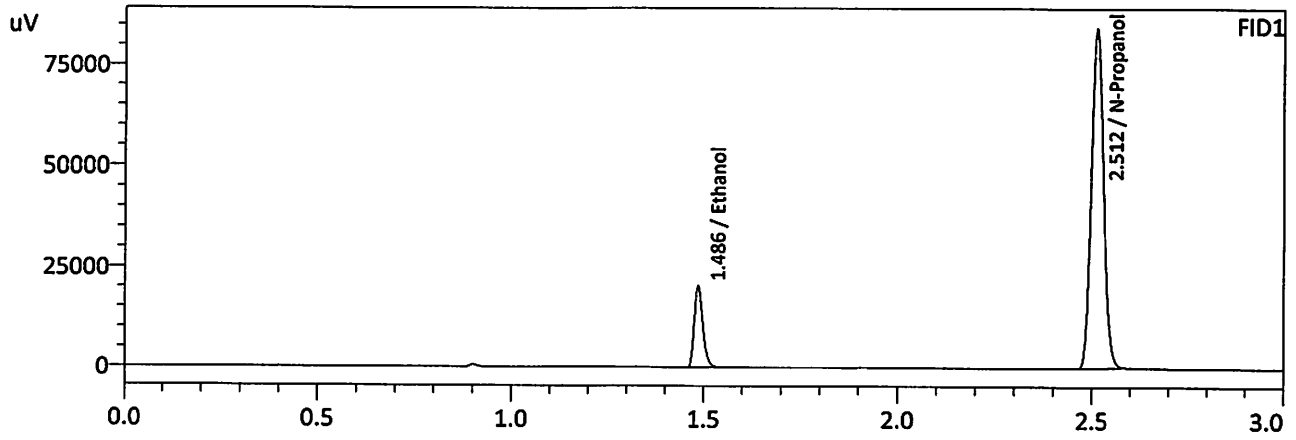
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

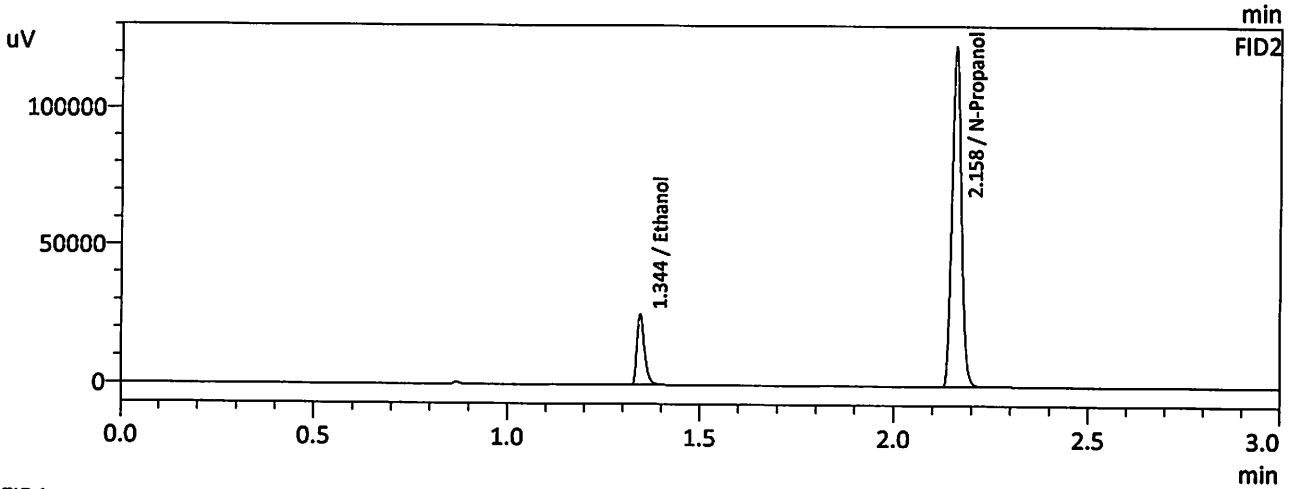
	Reported Result	Notes:
	0.080	

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 5/19/2023 2:02:21 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

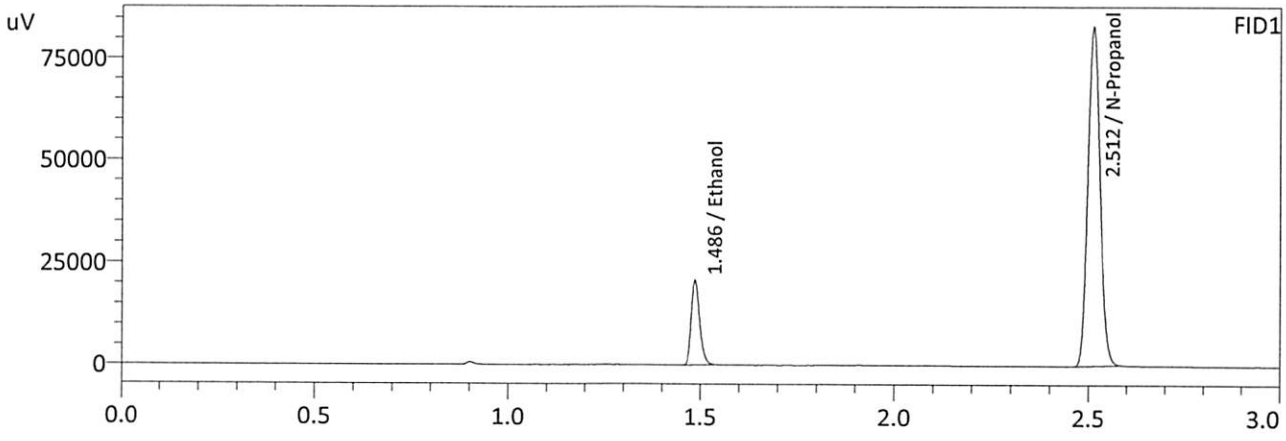
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	31340	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187355	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

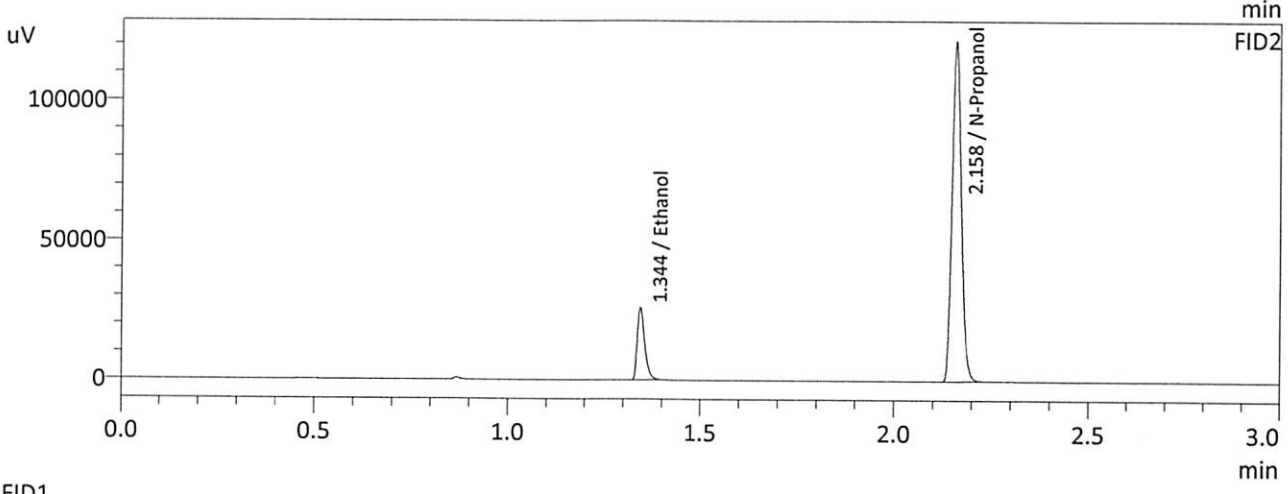
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	33934	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203780	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 5/19/2023 2:10:31 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	32049	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184460	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	34717	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200869	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 5/19/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0787	0.0003	0.0788	0.0025	0.0801
(g/100cc)	0.0814	0.0813	0.0001	0.0813		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

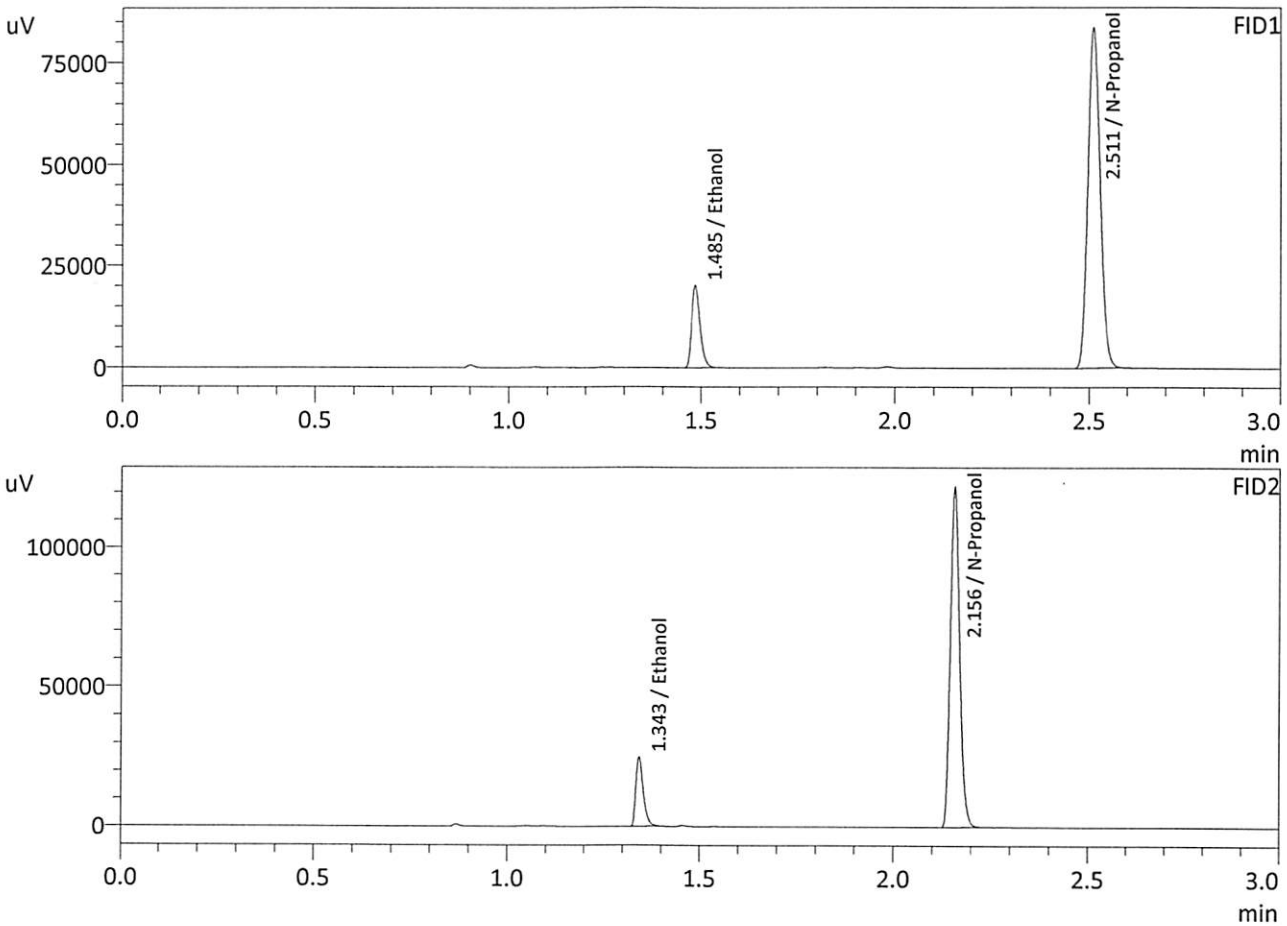
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	Notes:

Calibration and control data are stored centrally.

JL

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 5/19/2023 1:45:50 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

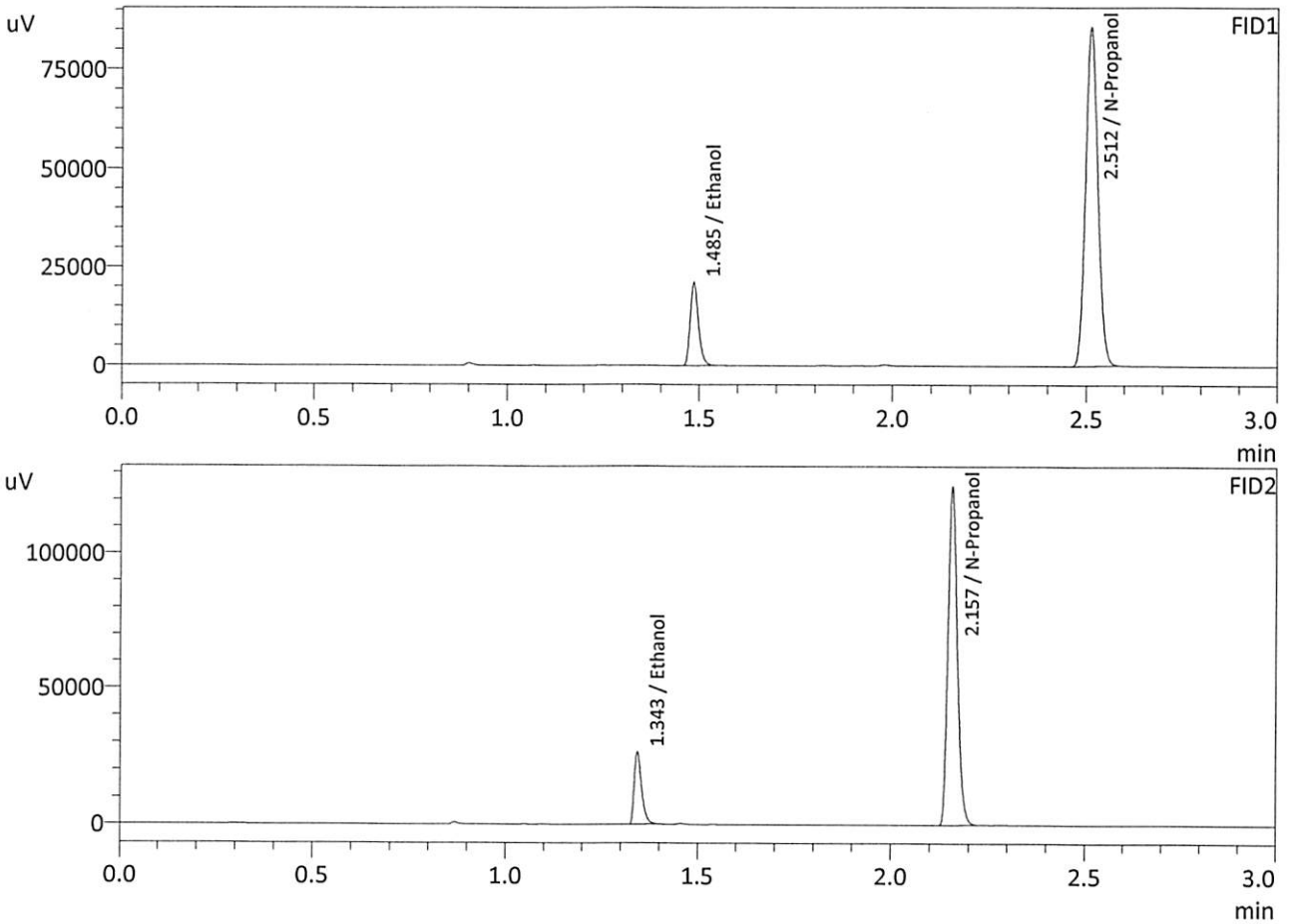
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	30890	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185517	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0787	33329	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201678	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 5/19/2023 1:54:51 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	0.0814	32706	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190430	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	35447	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207182	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 5/19/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0833	0.0831	0.0002	0.0832	0.0004	0.0830
(g/100cc)	0.0828	0.0828	0.0000	0.0828		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

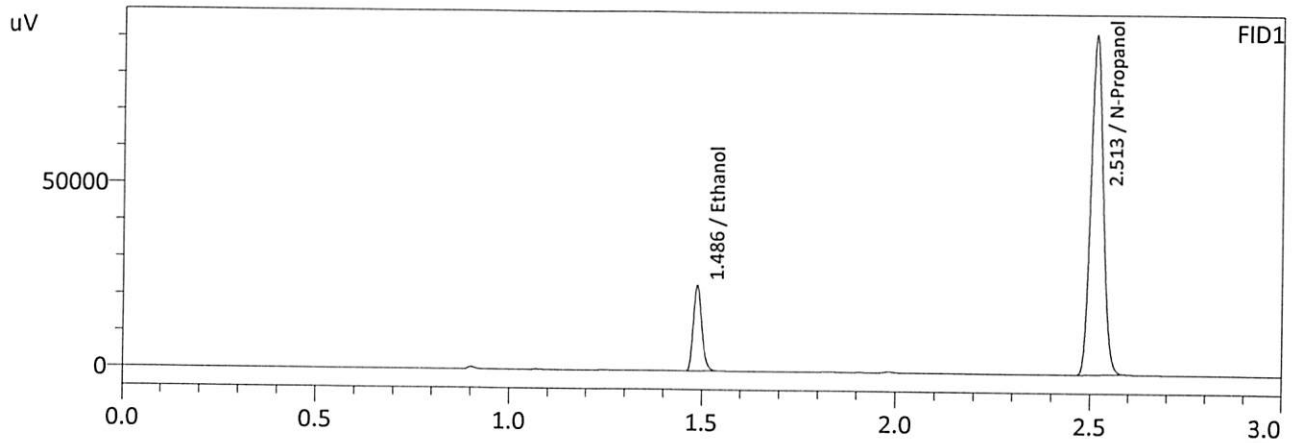
Overall Mean (g/100cc)	Low	High	5% of Mean
0.083	0.078	0.088	0.005

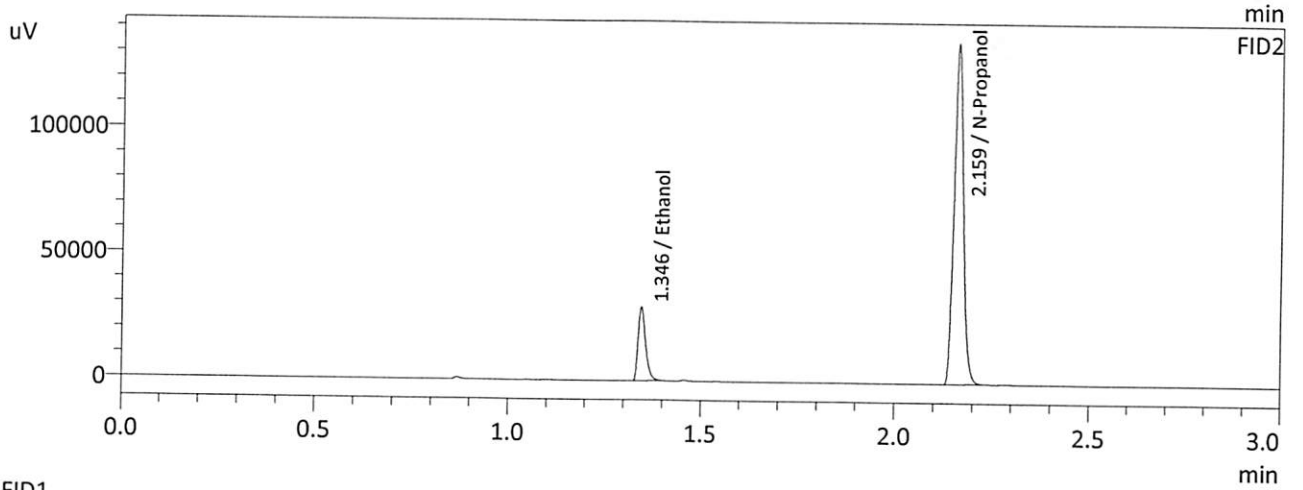
	Reported Result	Notes:
	0.083	

Calibration and control data are stored centrally.

JL

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 5/19/2023 7:42:05 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

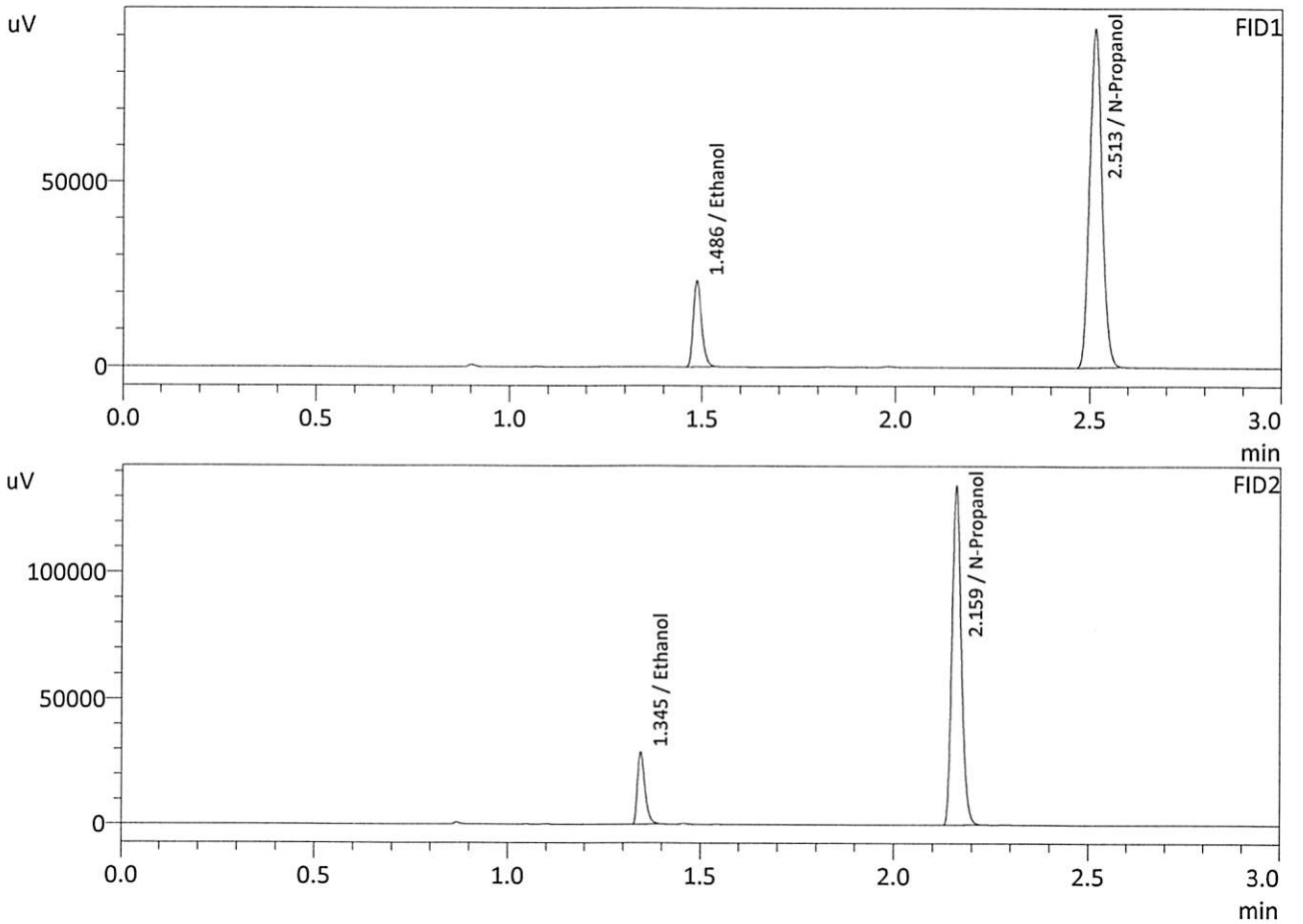
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	36074	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205089	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0831	39136	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223799	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 5/19/2023 7:51:32 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	0.0828	35841	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204866	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	38902	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	223277	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 5/19/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2119	0.2118	0.0001	0.2118	0.0064	0.2150
(g/100cc)	0.2183	0.2181	0.0002	0.2182		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

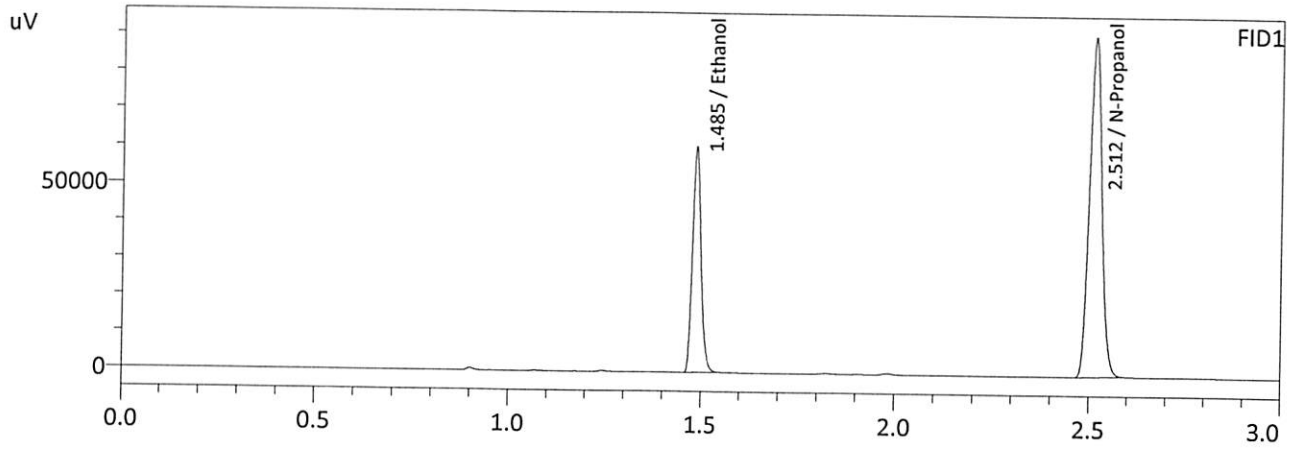
Overall Mean (g/100cc)	Low	High	5% of Mean
0.215	**0.204**	**0.226**	**0.011**

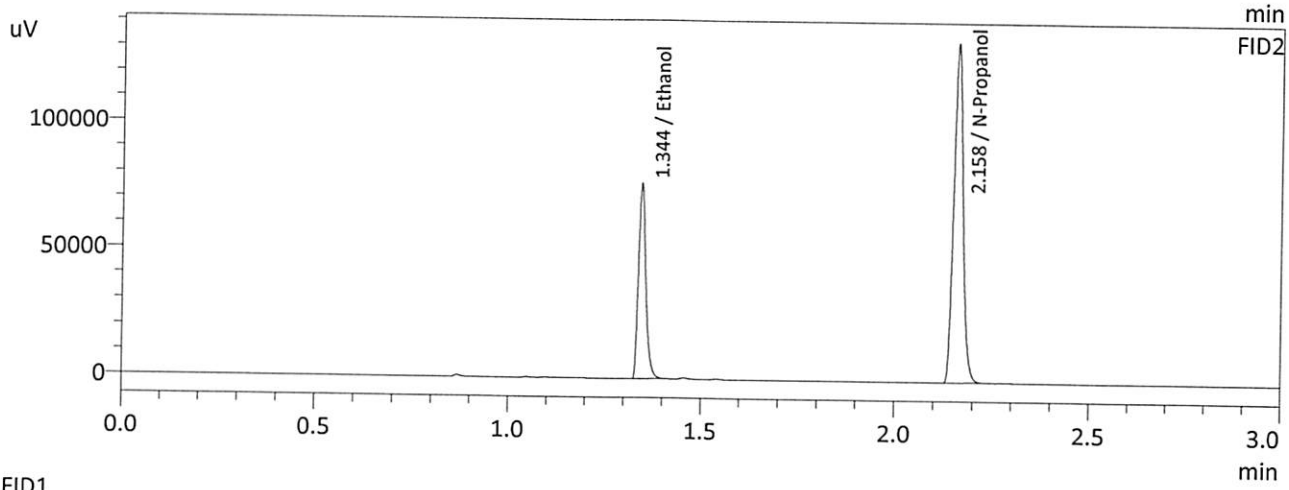
	Reported Result	Notes:
	0.215	

Calibration and control data are stored centrally.

JC

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 5/19/2023 4:44:06 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

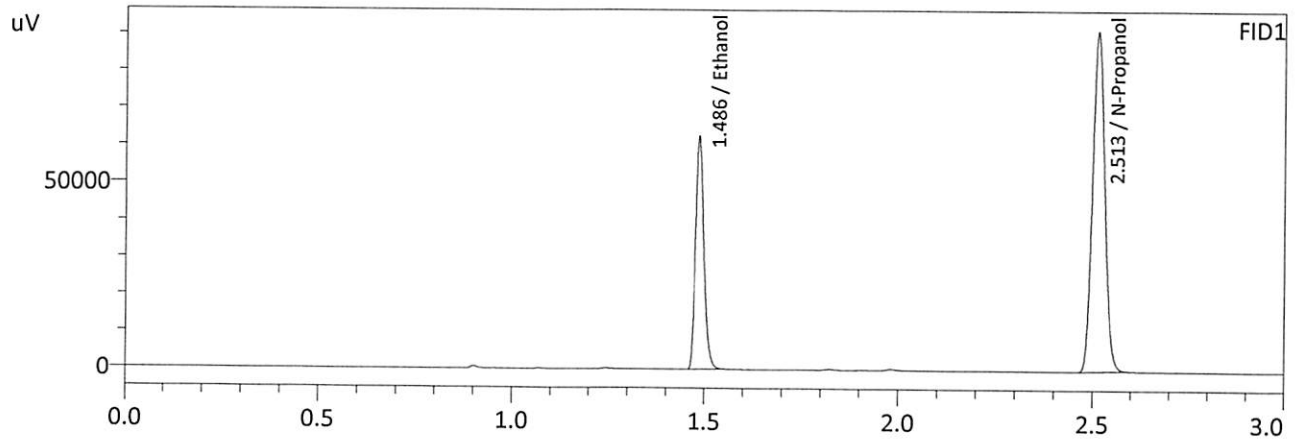
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2119	93370	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202956	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

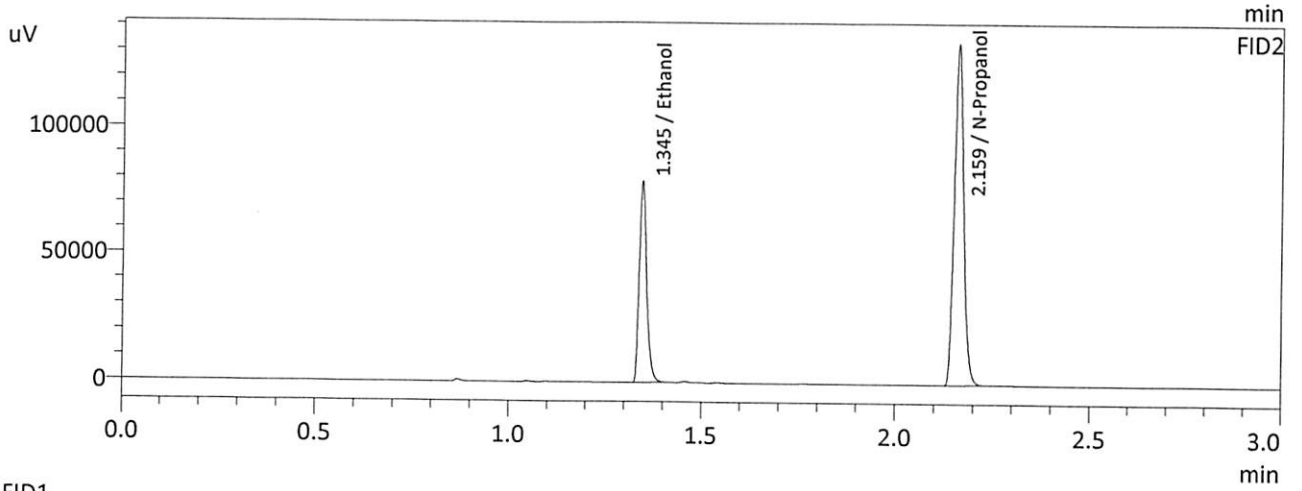
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2118	101459	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221185	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name	: QC-2-1-B
Laboratory	: Meridian
Injection Date	: 5/19/2023 4:51:35 PM
Vial #	: 26
Method Filename	: Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2183	96160	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202773	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2181	104583	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221271	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Item #** **Analysis Date(s): 5/19/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2115	0.2115	0.0000	0.2115	0.0040	0.2135
(g/100cc)	0.2156	0.2154	0.0002	0.2155		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

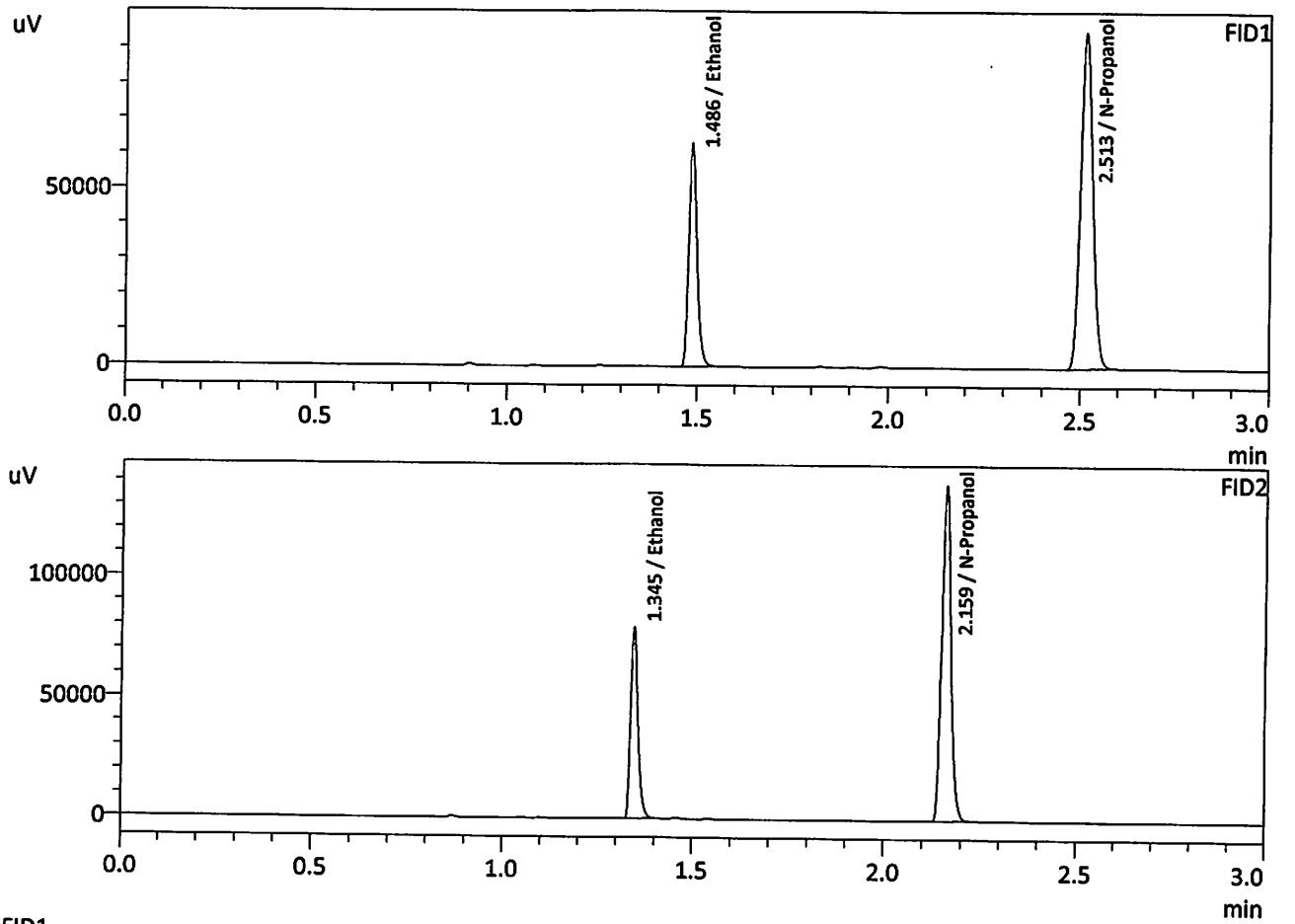
Overall Mean (g/100cc)	Low	High	5% of Mean
0.213	0.202	0.224	0.011

	Reported Result	
	0.213	Notes:

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 5/19/2023 9:04:00 PM
Vial # : 57
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

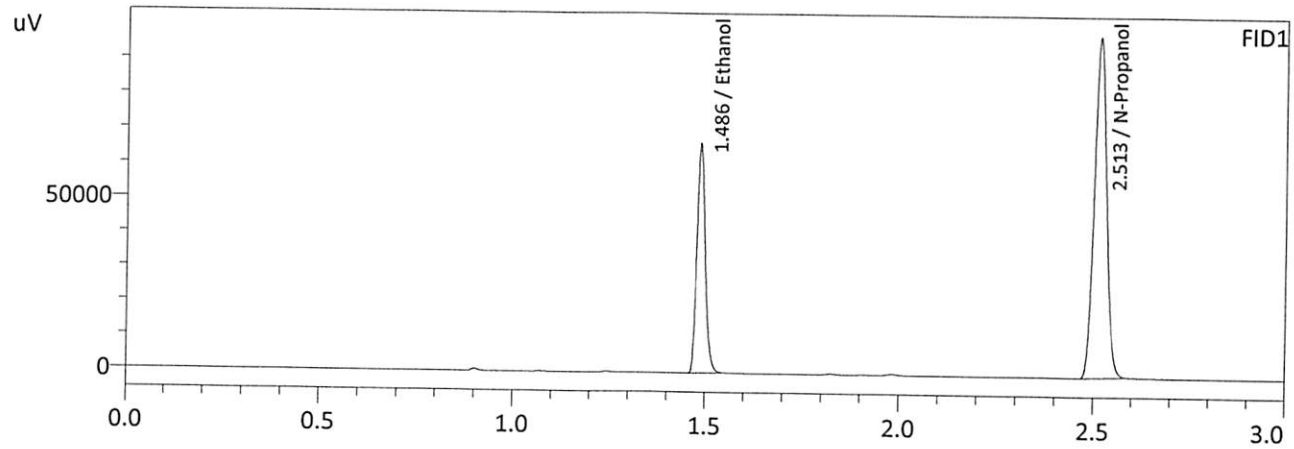
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2115	96887	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211045	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

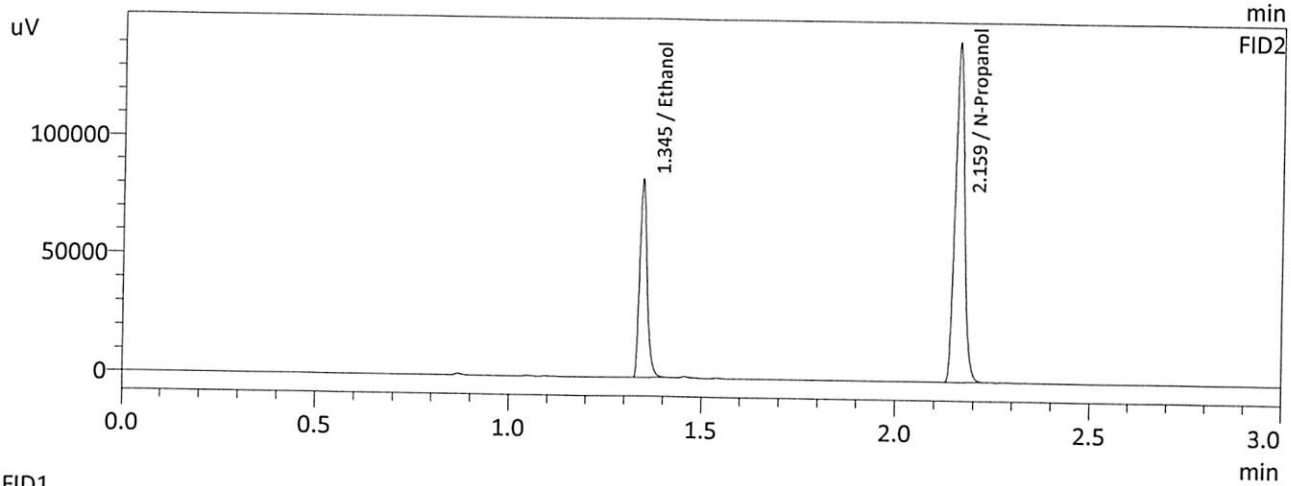
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2115	105353	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	230030	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 5/19/2023 9:11:14 PM
Vial # : 58
Method Filename : Default Project - ALCOHOL_230519JG.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

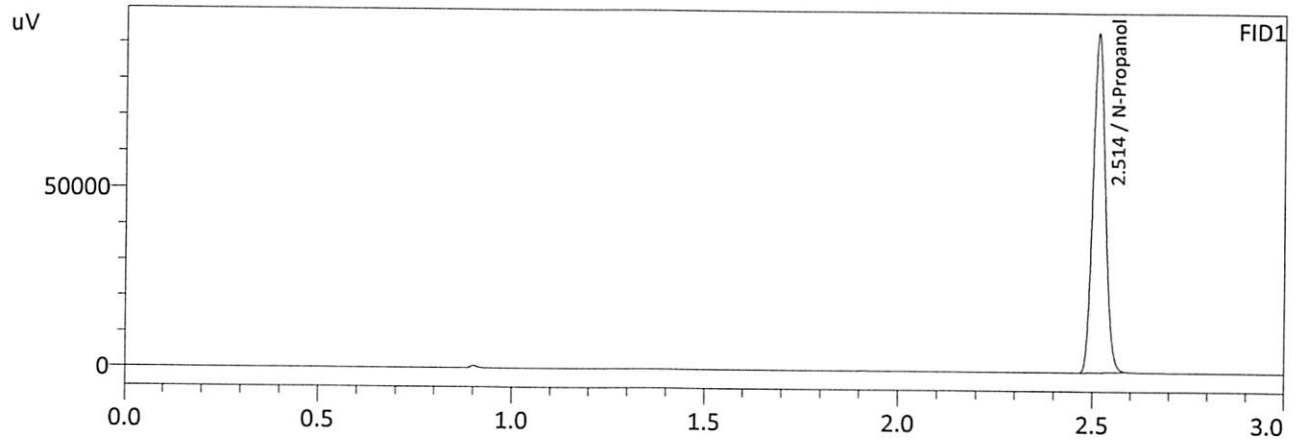
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2156	102072	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218019	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

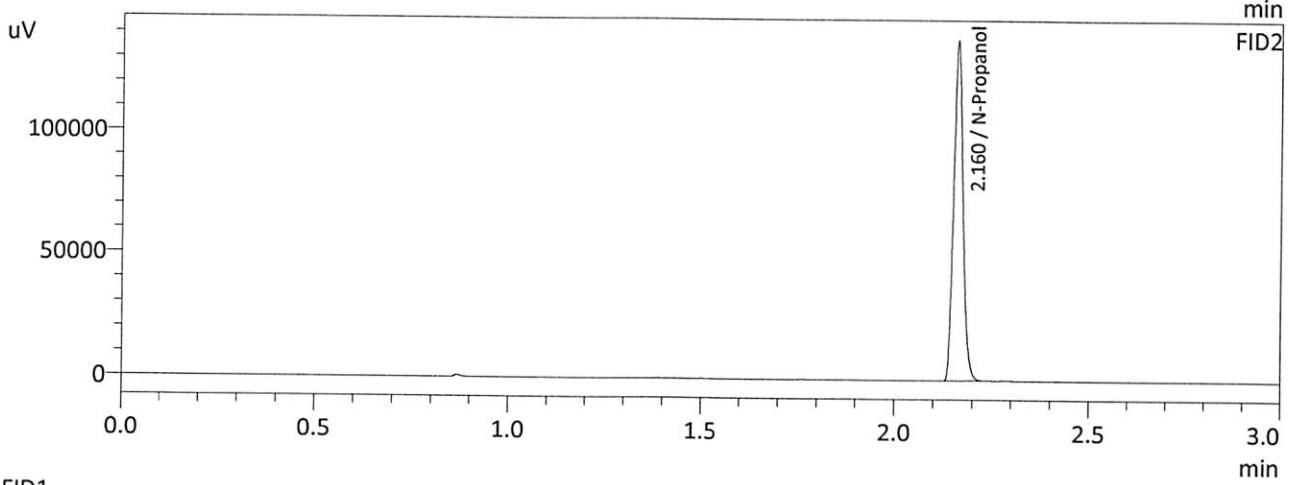
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2154	110848	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237609	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 5/19/2023 9:19:36 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	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	209429	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	228430	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Meridian Blood Alcohol Analysis Batch Table

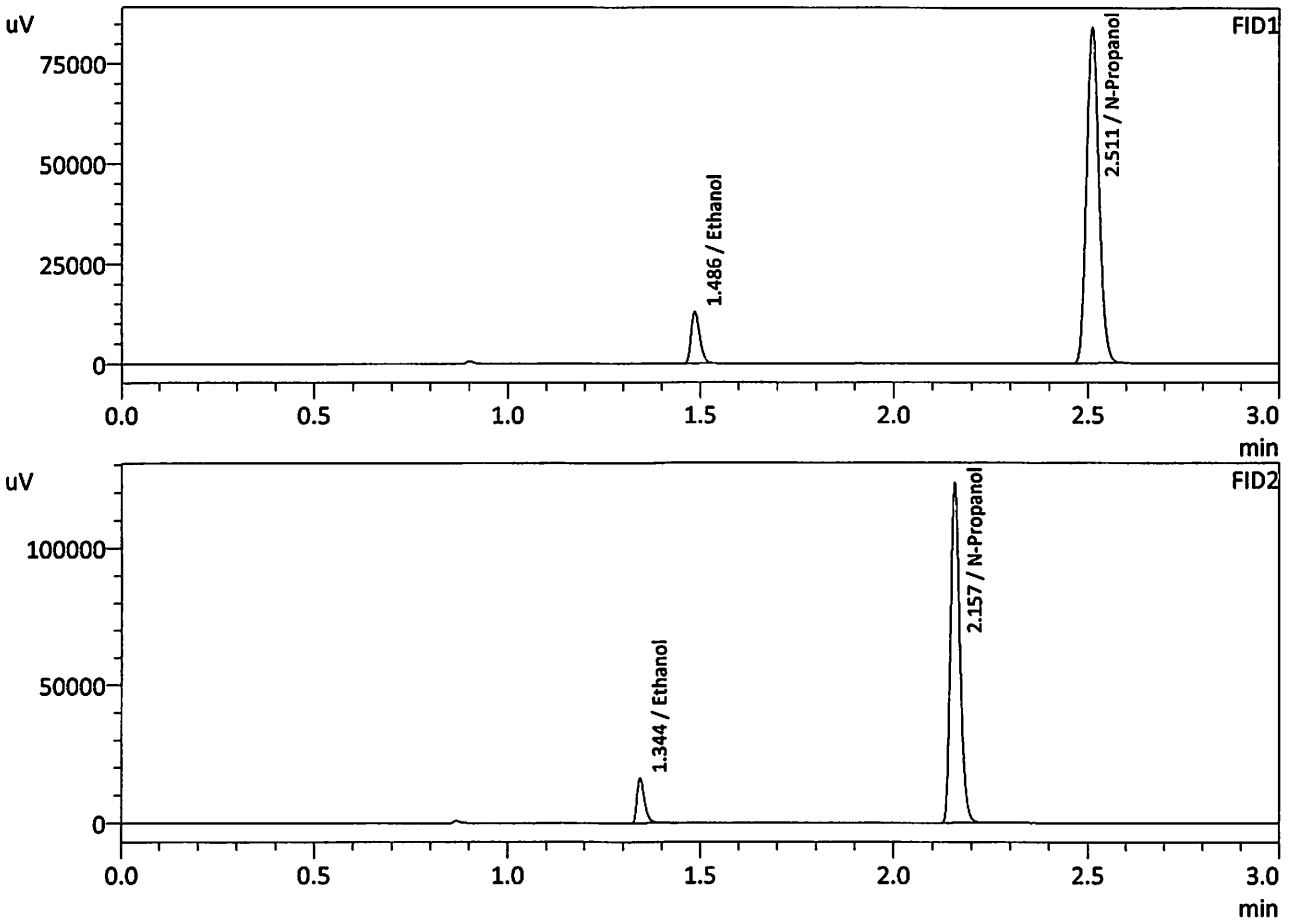
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230519JG.GCM.gcm
3	QC-1-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
5	0.08 QA-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
7	M2023-1304-3-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
8	M2023-1304-3-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
9	M2023-1971-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
10	M2023-1971-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
11	M2023-1987-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
12	M2023-1987-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
13	M2023-1992-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
14	M2023-1992-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
15	M2023-2003-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
16	M2023-2003-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
17	M2023-2015-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
18	M2023-2015-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
19	M2023-2030-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
20	M2023-2030-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
21	M2023-2031-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
22	M2023-2031-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
23	M2023-2044-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
24	M2023-2044-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
25	QC-2-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
27	M2023-2057-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
28	M2023-2057-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
29	M2023-2080-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
30	M2023-2080-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
31	M2023-2086-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
32	M2023-2086-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
33	M2023-2087-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
34	M2023-2087-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
35	M2023-2088-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
36	M2023-2088-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
37	M2023-2089-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
38	M2023-2089-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
39	M2023-2090-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
40	M2023-2090-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
41	M2023-~~2095~~-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
42	M2023-~~2095~~-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
43	M2023-2110-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
44	M2023-2110-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
45	M2023-2123-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
46	M2023-2123-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
47	QC1-2-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
48	QC1-2-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
49	M2023-2124-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
50	M2023-2124-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
51	M2023-2125-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
52	M2023-2125-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
53	M2023-2126-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
54	M2023-2126-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
55	M2023-2127-1-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
56	M2023-2127-1-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
57	QC2-2-A	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
58	QC2-2-B	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm
59	INT STD BLK	0:Unknown	0	ALCOHOL 230519JG.GCM.gcm

JG 2105
5/23/23 2105

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

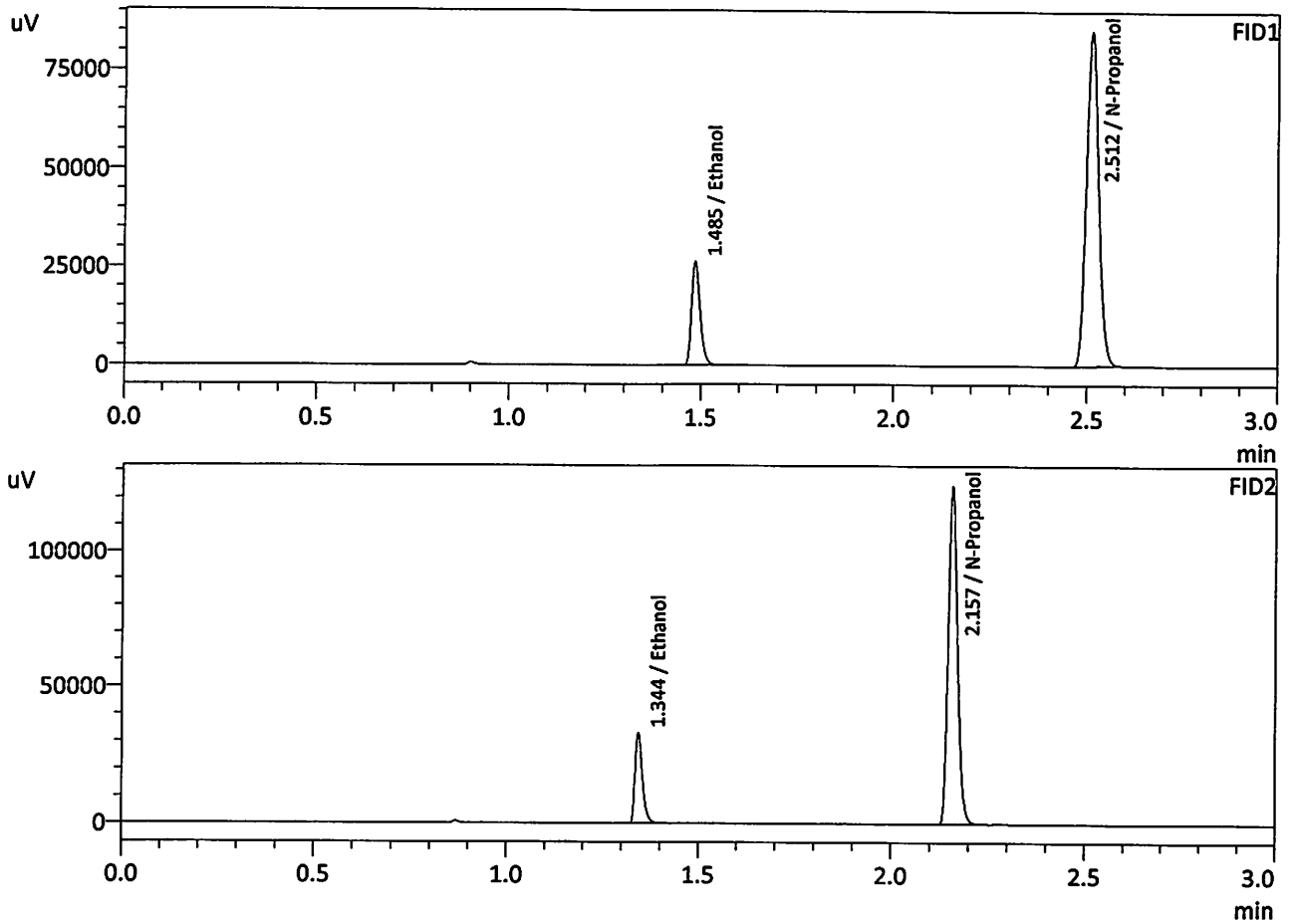
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0518	19969	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187577	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

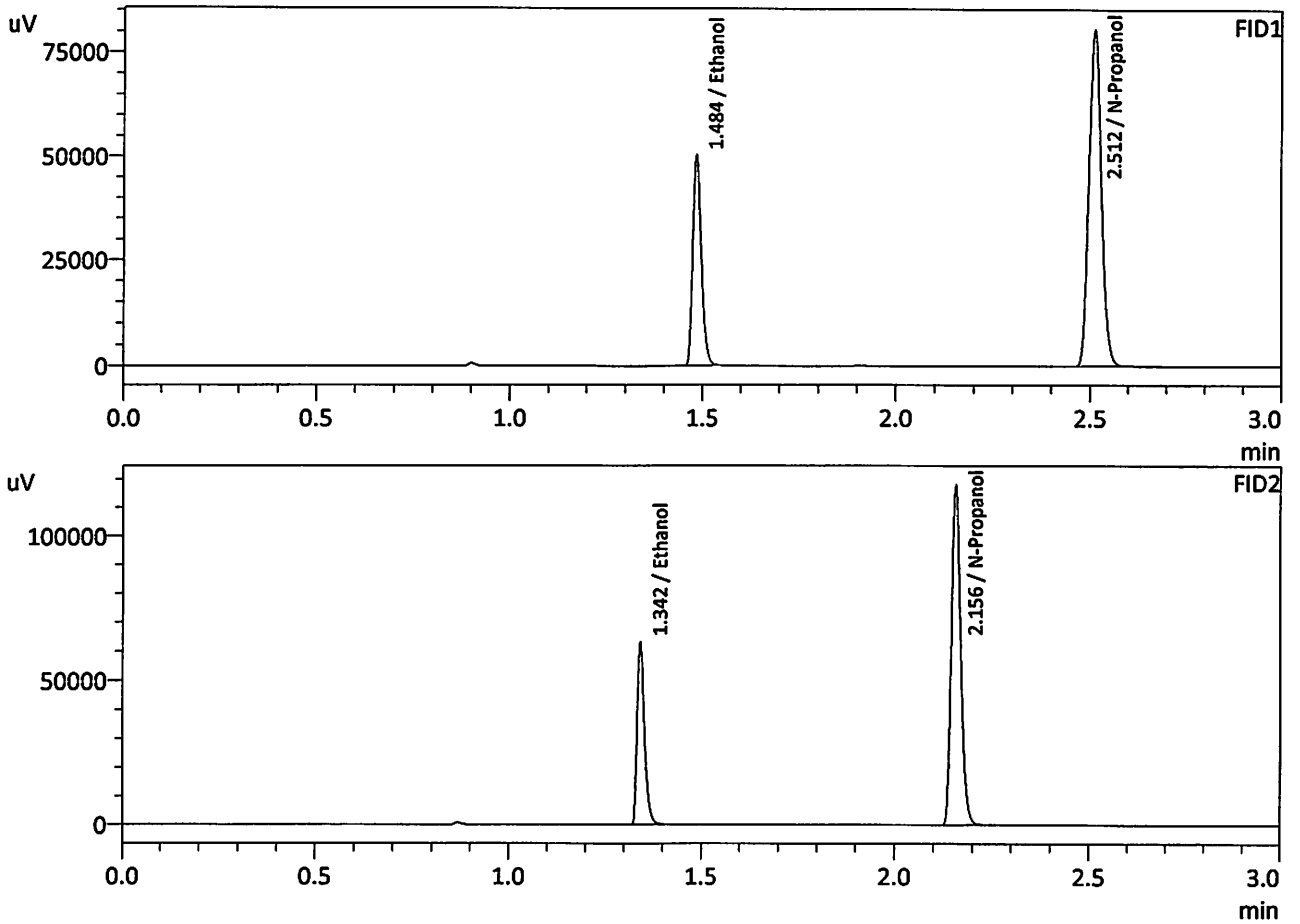
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1005	40594	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189738	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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



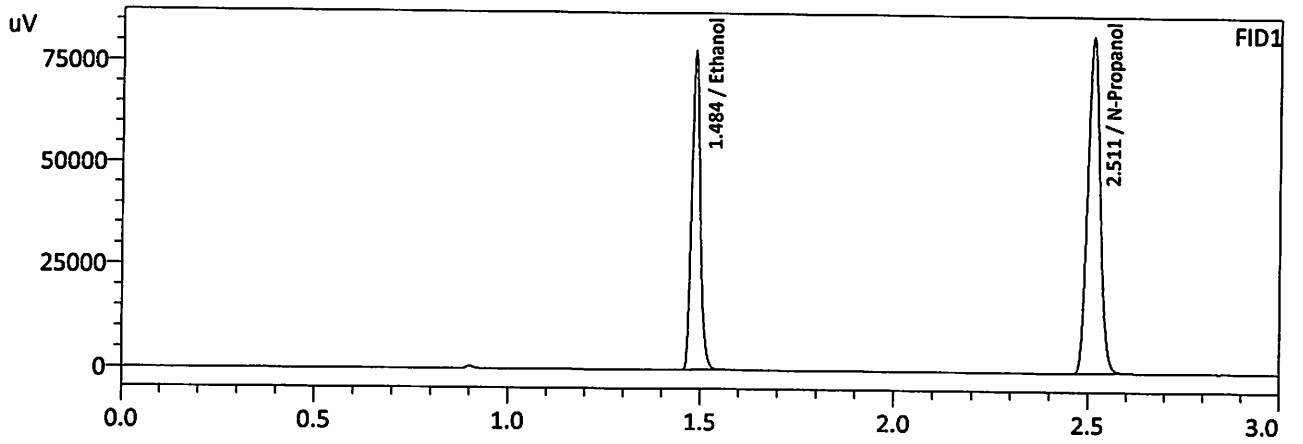
FID1

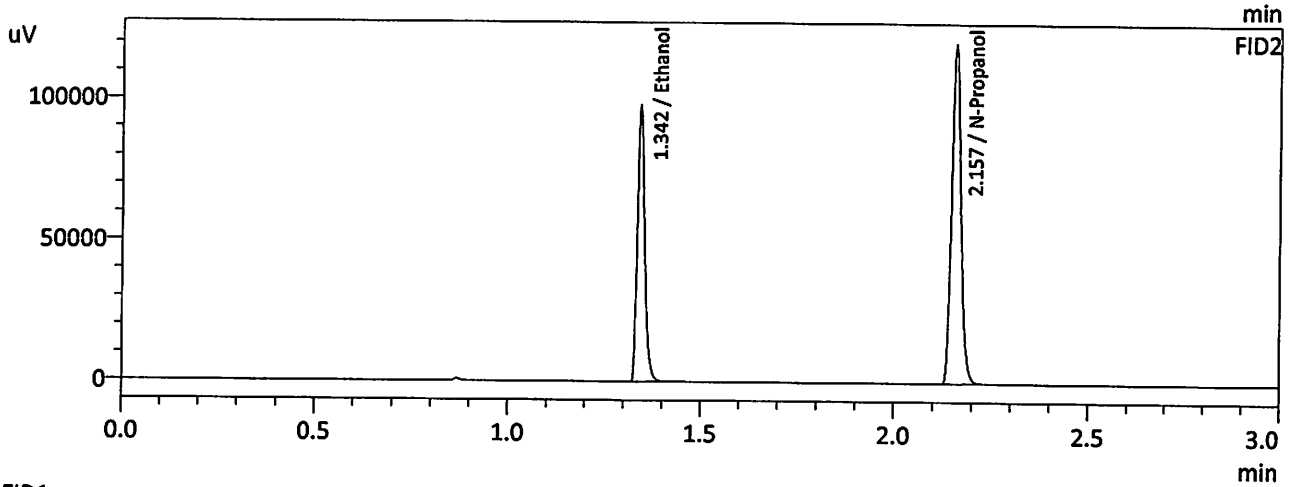
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1979	76978	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179395	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

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





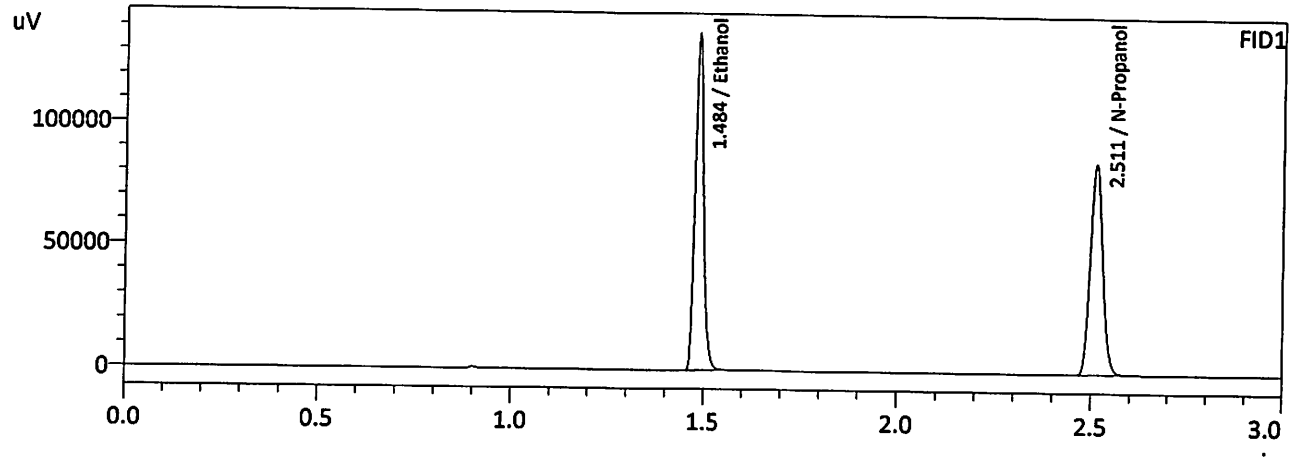
FID1

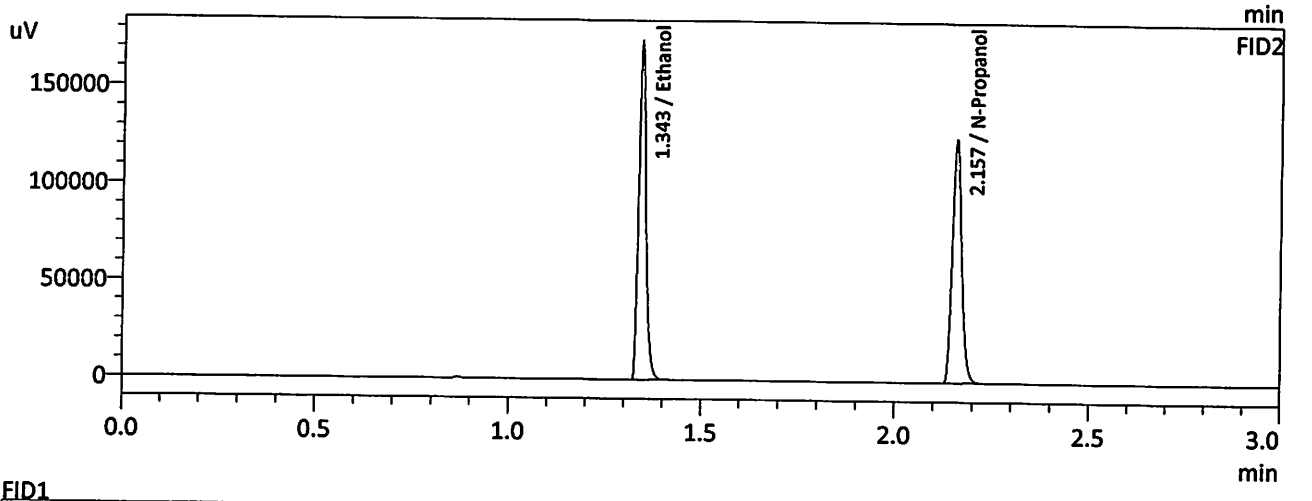
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2977	119075	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183334	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

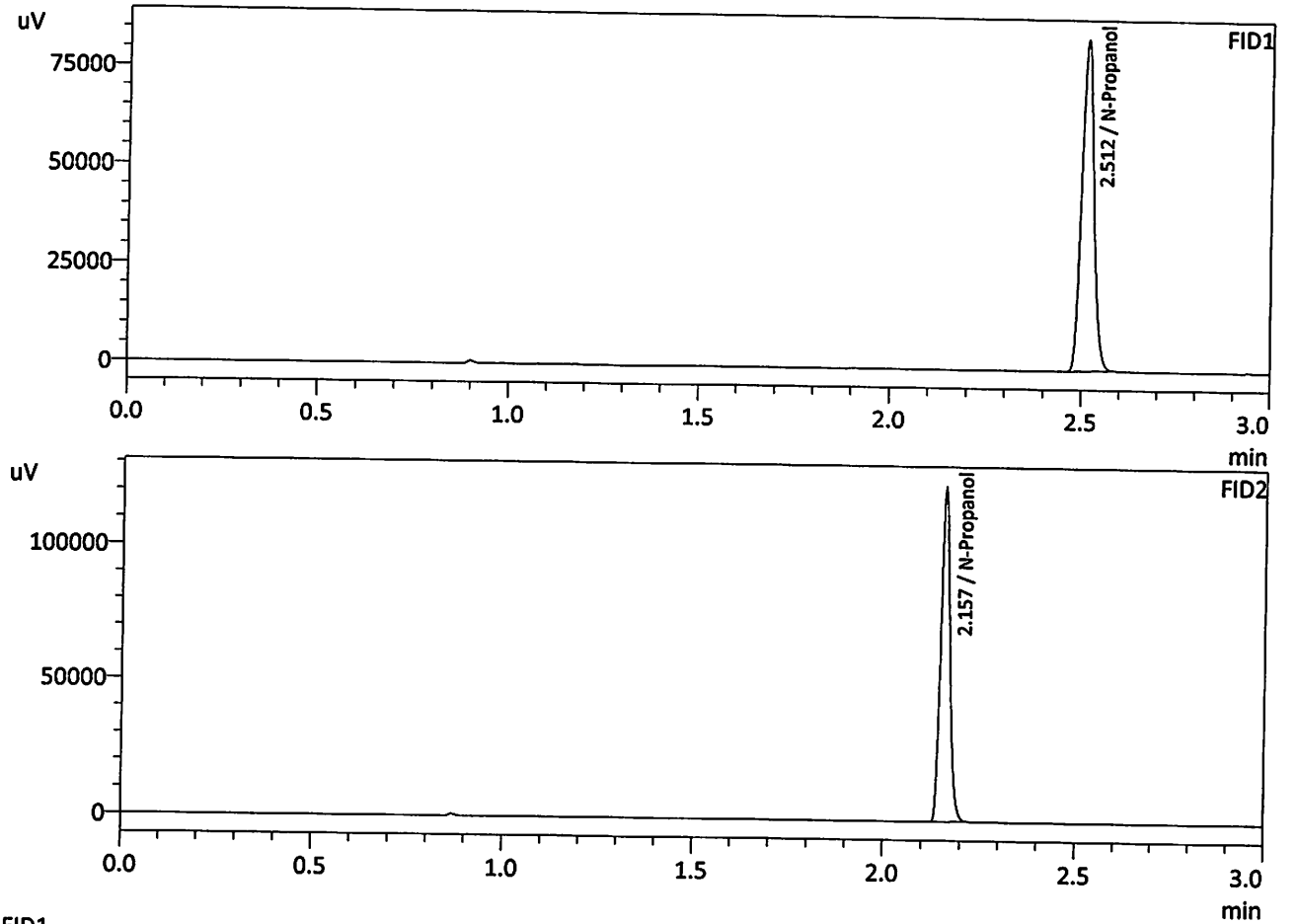
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5018	210563	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191337	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

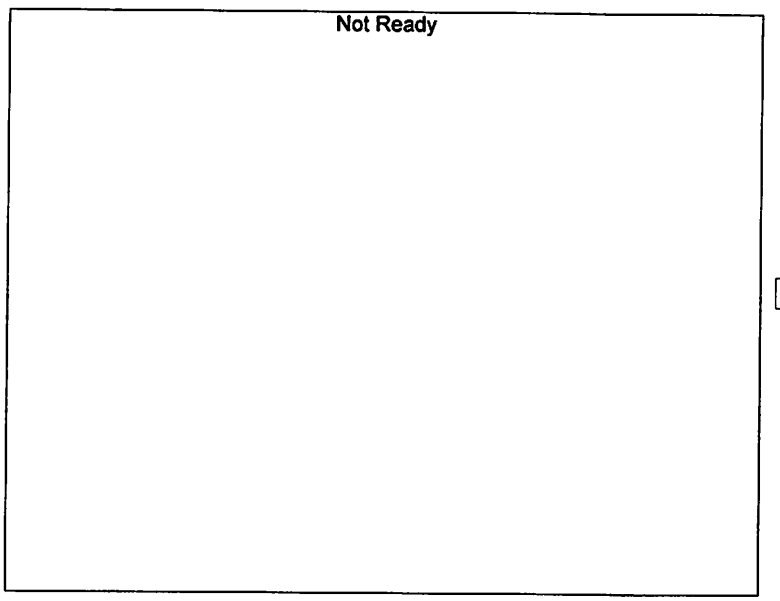
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 230426NB.GCM.gcm
2	0.100	1:Standard	2	ALCOHOL 230426NB.GCM.gcm
3	0.200	1:Standard	3	ALCOHOL 230426NB.GCM.gcm
4	0.300	1:Standard	4	ALCOHOL 230426NB.GCM.gcm
5	0.500	1:Standard	5	ALCOHOL 230426NB.GCM.gcm
6	INT STD BLK	0:Unknown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

JG

Calibration Table

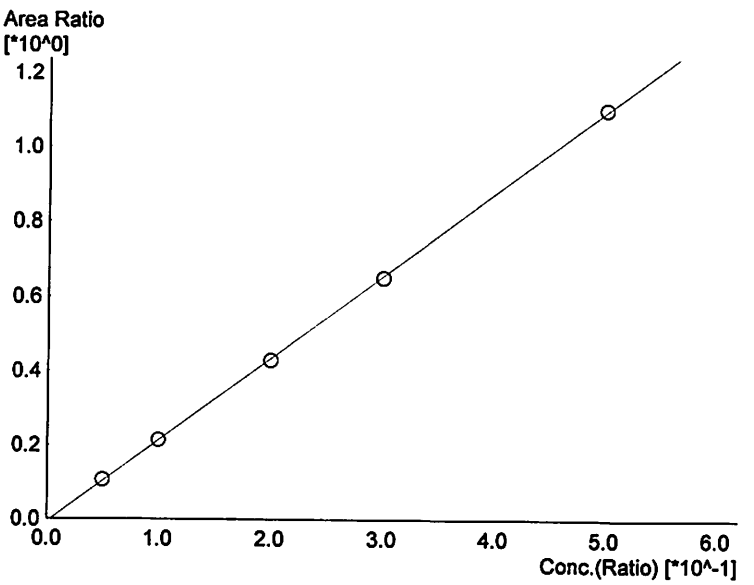
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<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

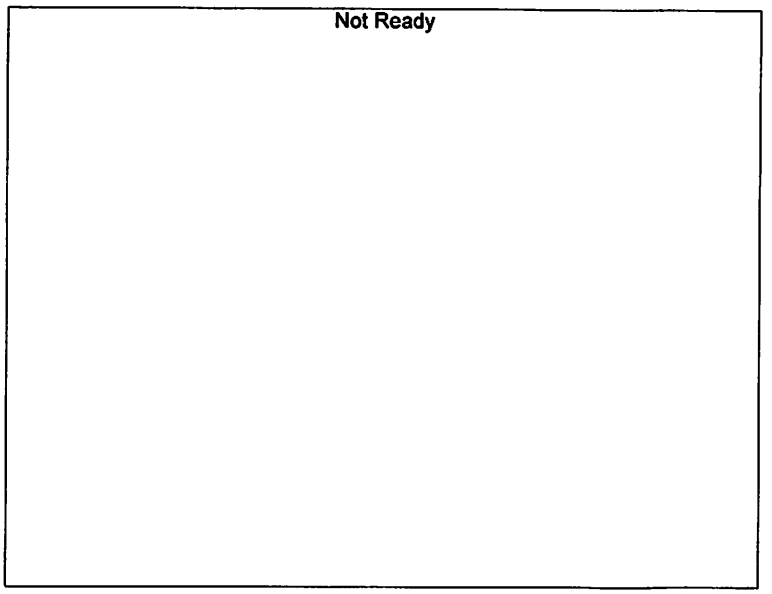
#	Conc.	Area	Std. Conc.



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

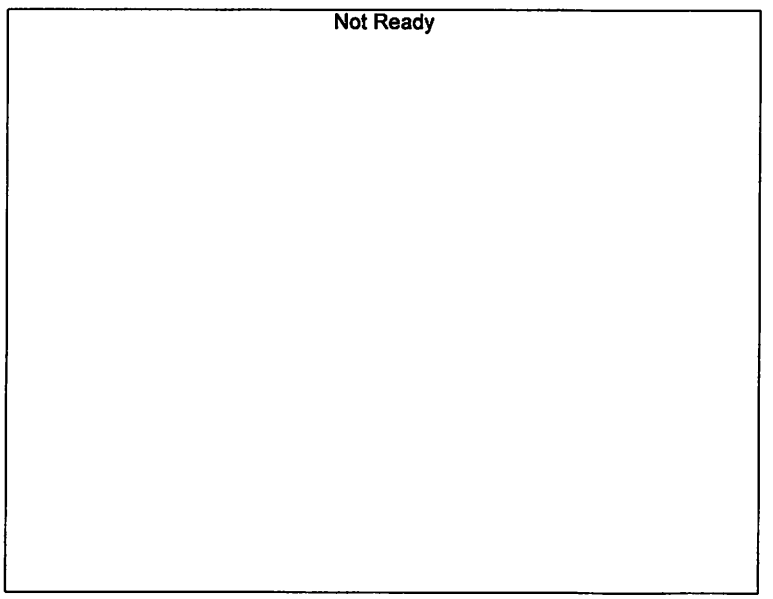
#	Conc.	Area	Std. Conc.
1	0.050	19969	0.0518
2	0.100	40594	0.1005
3	0.200	76978	0.1979
4	0.300	119075	0.2977
5	0.500	210563	0.5018

JG



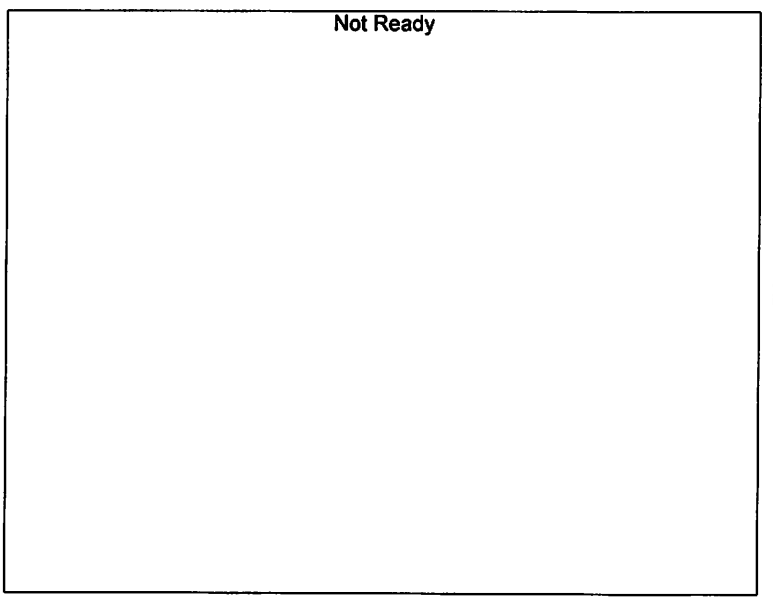
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



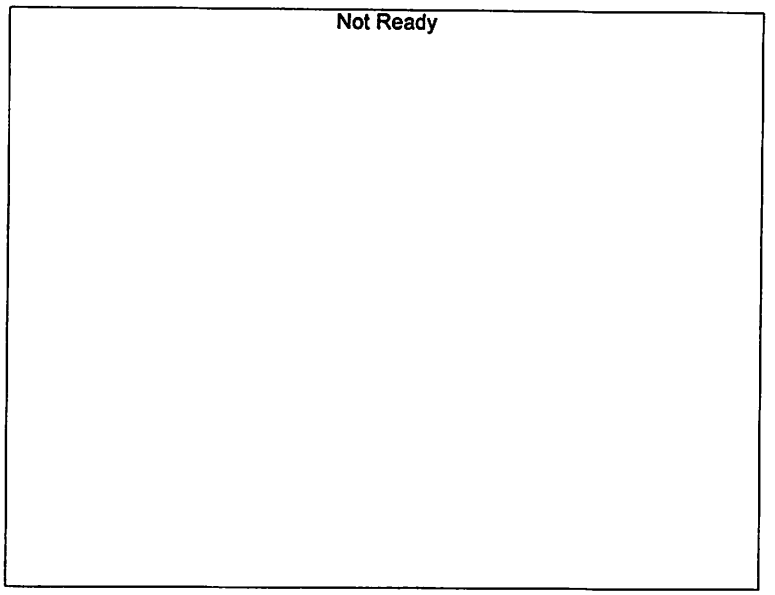
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



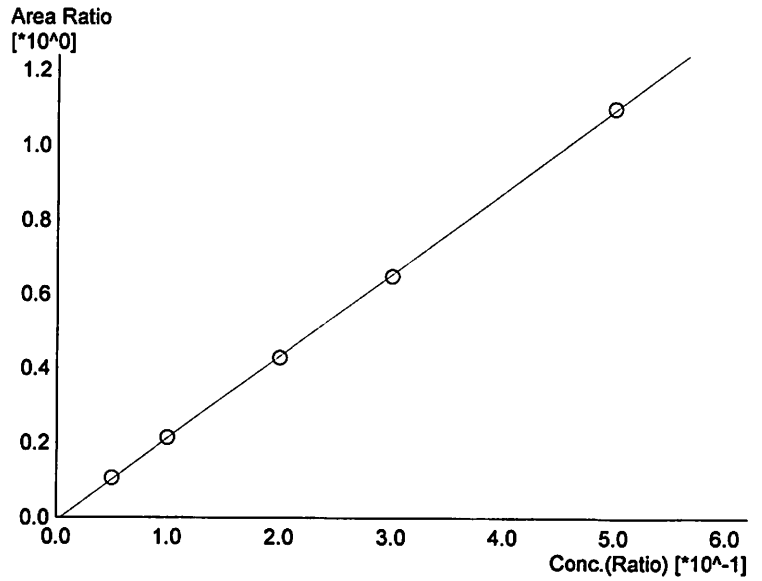
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



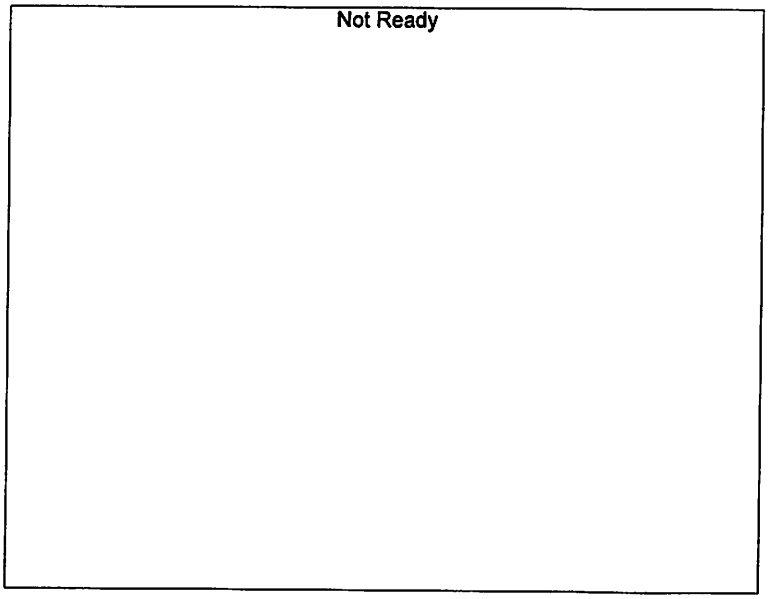
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

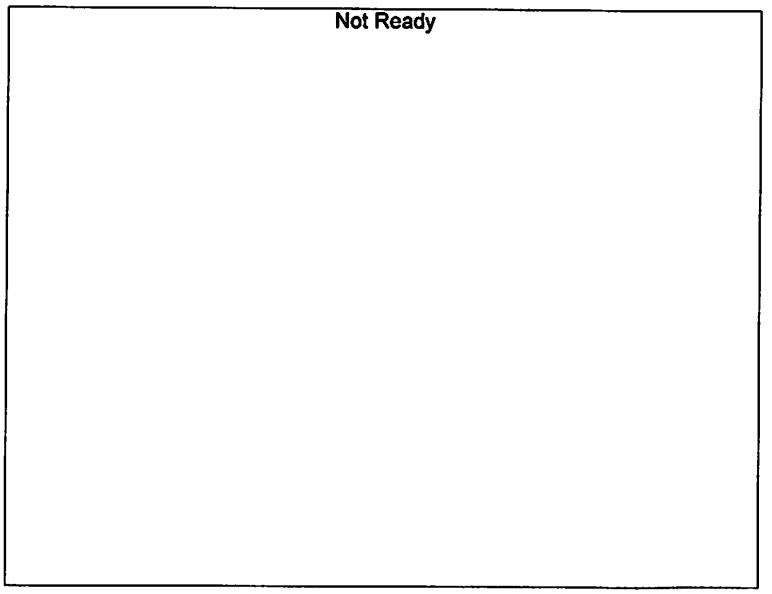
#	Conc.	Area	Std. Conc.
1	0.050	21630	0.0517
2	0.100	44142	0.1007
3	0.200	83487	0.1978
4	0.300	129200	0.2977
5	0.500	228540	0.5018



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

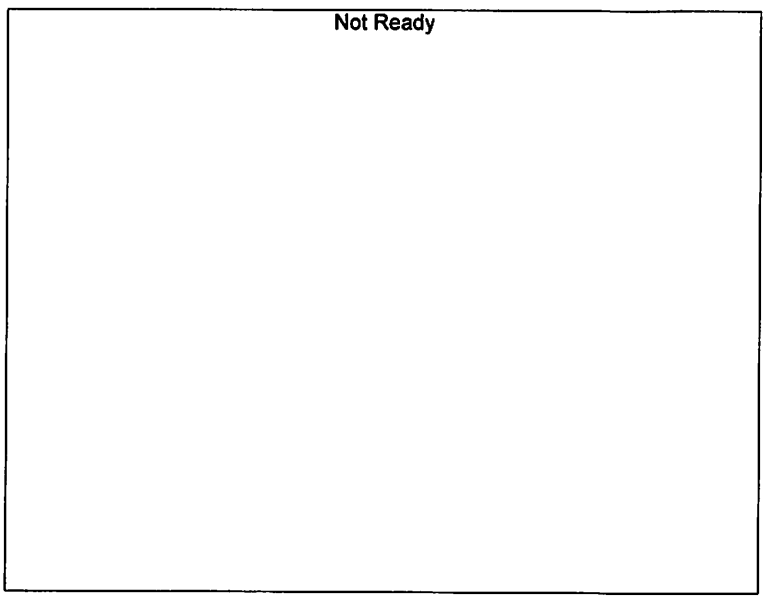
#	Conc.	Area	Std. Conc.

JC



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

#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

The method used for all testing is instrument method ALCOHOL_23051923.gcm.gcm, rather than alcohol.m/gcm

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