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): 8/17/23**

Calibration Date: *(if different)* **8/7/23**

Worklist #: 6477

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0791 g/100cc
					0.0818 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2078 g/100cc
					0.2061 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99989	**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	0.0498	0.0496	0.0002	0.0497
100	0.100	0.090 - 0.110	0.0978	0.0983	0.0005	0.098
200	0.200	0.180 - 0.220	0.2026	0.2021	0.0005	0.2023
300	0.300	0.270 - 0.330	0.3007	0.3009	0.0002	0.3008
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4989	0.4989	0	0.4989

Aqueous Controls

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

JG

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

Internal Standard Monitoring Worksheet

Worklist #: 6477 **Run Date(s):** 8/17/23

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

Sample Name	Column 1 Value	Column 2 Value
0.080	214481	232103
0.080	213406	231140
QC1	212115	229204
QC1	213761	231039
QC1	236763	256089
QC1	232164	251006
QC1		
QC1		
QC2	239578	259115
QC2	230803	249778
QC2	236051	254975
QC2	244145	264008
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	227326.7	181861.4	272792.0
Column 2	245845.7	196676.6	295014.8

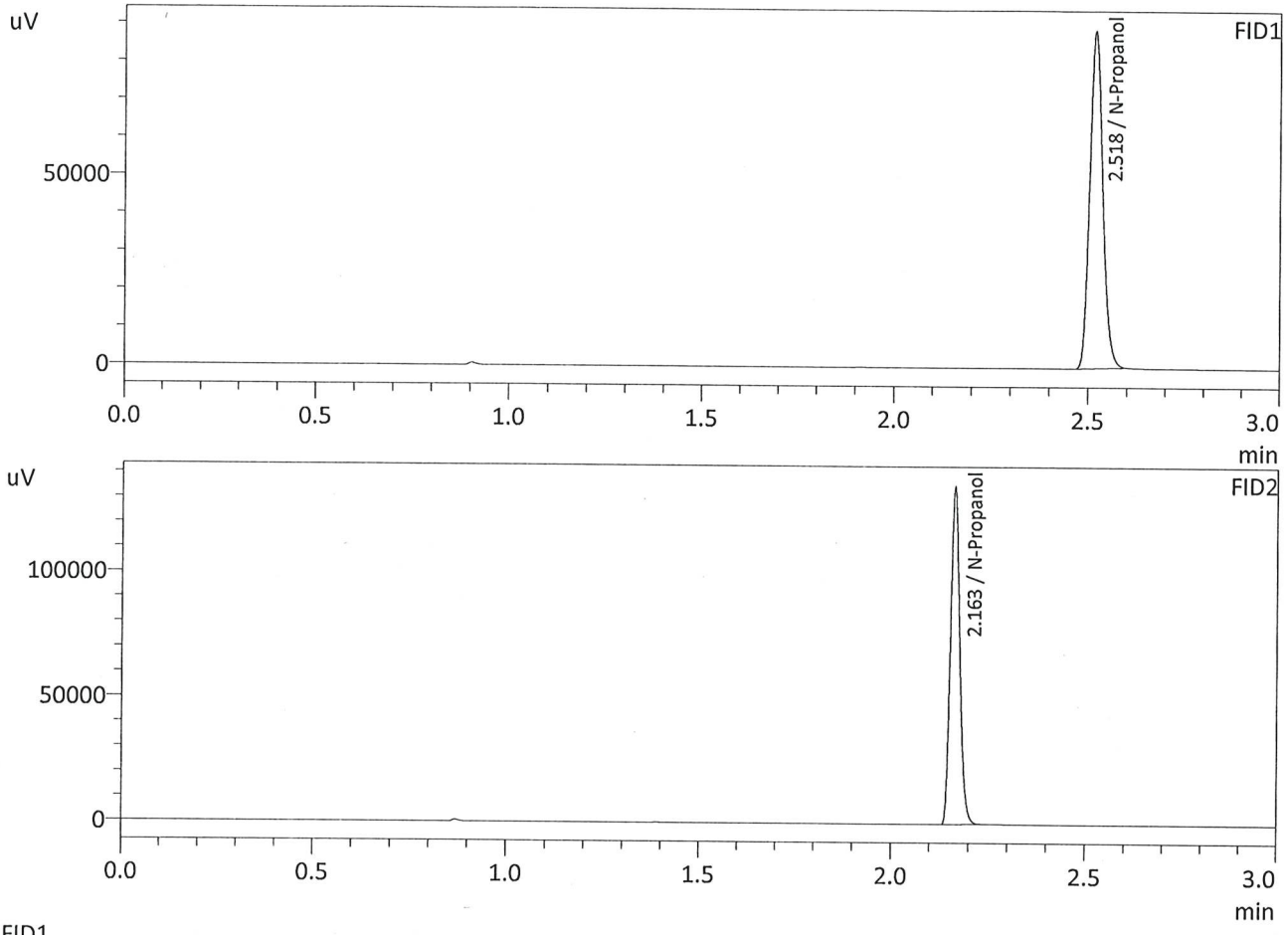
JG

Worklist: 6477

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-3410	1	BCK	Alcohol Analysis
M2023-3411	1	BCK	Alcohol Analysis
M2023-3436	1	BCK	Alcohol Analysis
M2023-3438	1	BCK	Alcohol Analysis
M2023-3448	1	BCK	Alcohol Analysis
M2023-3451	1	BCK	Alcohol Analysis
M2023-3454	1	BCK	Alcohol Analysis
M2023-3477	1	BCK	Alcohol Analysis
M2023-3486	1	BCK	Alcohol Analysis
M2023-3487	1	BCK	Alcohol Analysis
M2023-3491	1	BCK	Alcohol Analysis
M2023-3508	1	BCK	Alcohol Analysis
M2023-3509	1	BCK	Alcohol Analysis
M2023-3517	1	BCK	Alcohol Analysis
M2023-3539	1	BCK	Alcohol Analysis
M2023-3540	1	BCK	Alcohol Analysis
M2023-3544	1	BCK	Alcohol Analysis
M2023-3559	1	BCK	Alcohol Analysis
P2023-2484	1	BCK	Alcohol Analysis

JG

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 8/17/2023 3:54:45 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

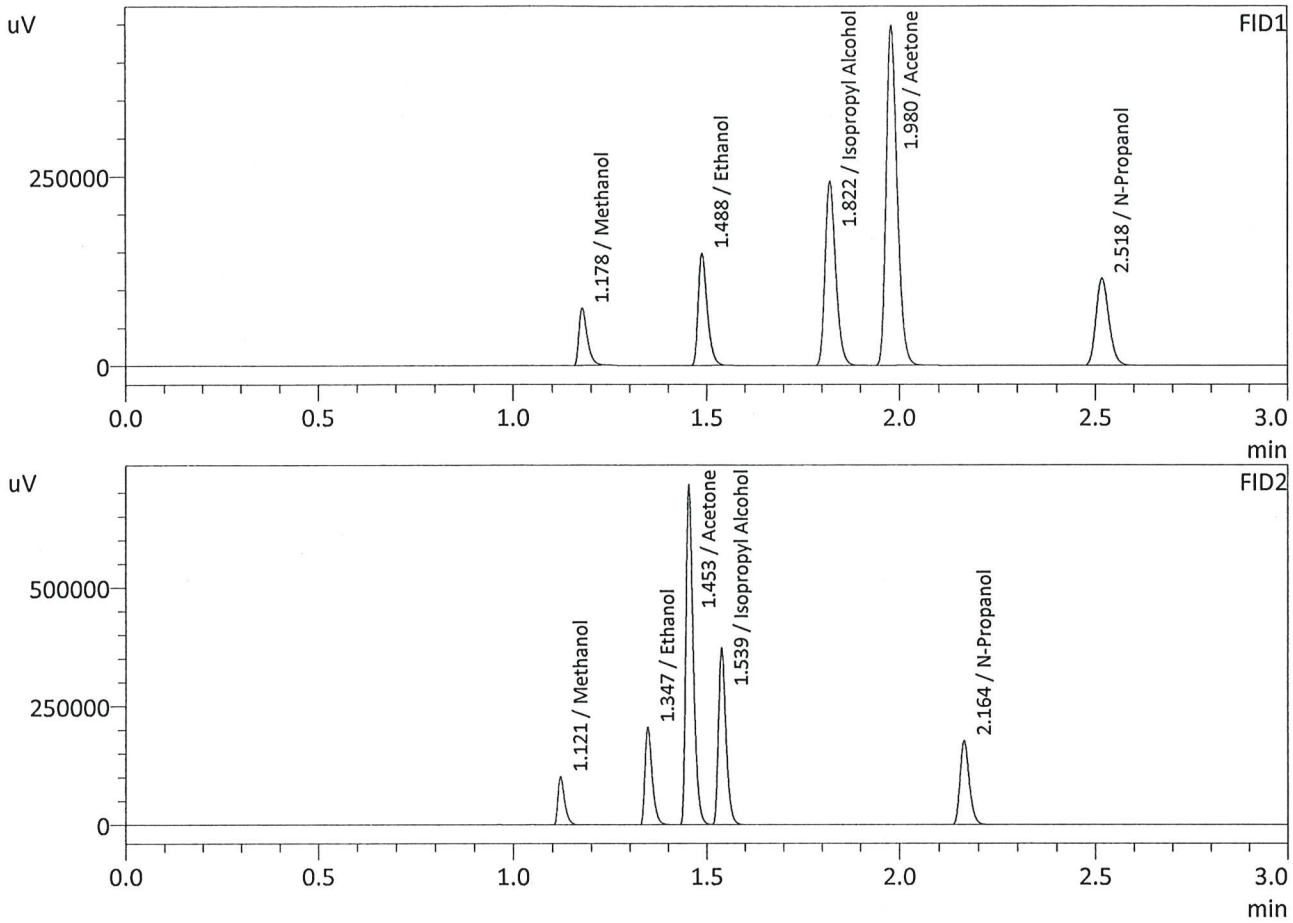
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207713	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	224112	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 8/17/2023 4:02:04 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	110526	g/100cc
Ethanol	0.4477	241776	g/100cc
Isopropyl Alcohol	0.0000	470333	g/100cc
Acetone	0.0000	873388	g/100cc
N-Propanol	0.0000	265005	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	123421	g/100cc
Ethanol	0.4504	265640	g/100cc
Acetone	0.0000	950890	g/100cc
Isopropyl Alcohol	0.0000	509765	g/100cc
N-Propanol	0.0000	288737	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 Analysis Date(s): 8/17/2023 4:09:46 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0793	0.0791	0.0002	0.0792	0.0001	0.0791
(g/100cc)	0.0793	0.0790	0.0003	0.0791		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230807.GCM.gcm

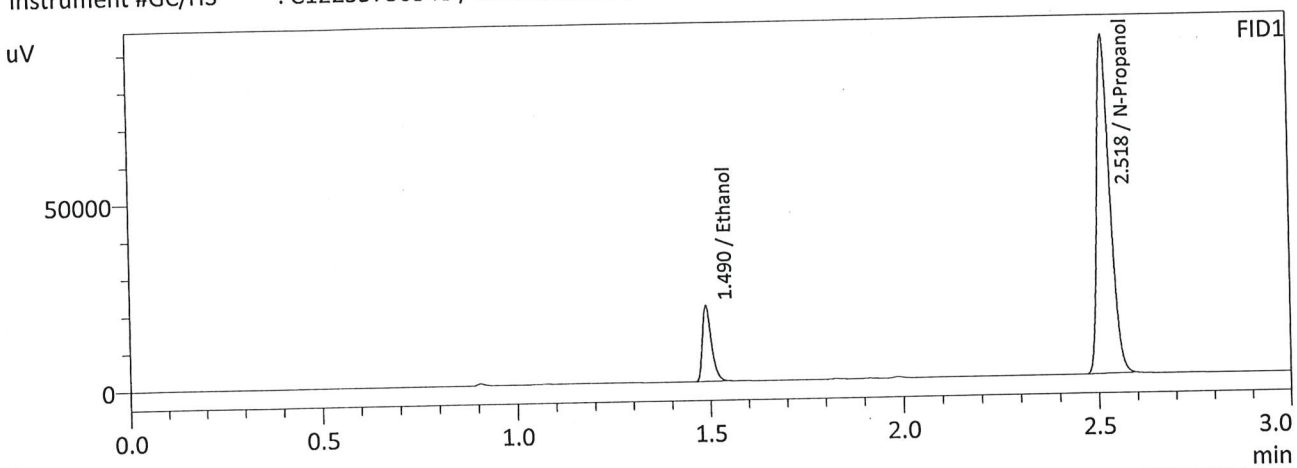
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

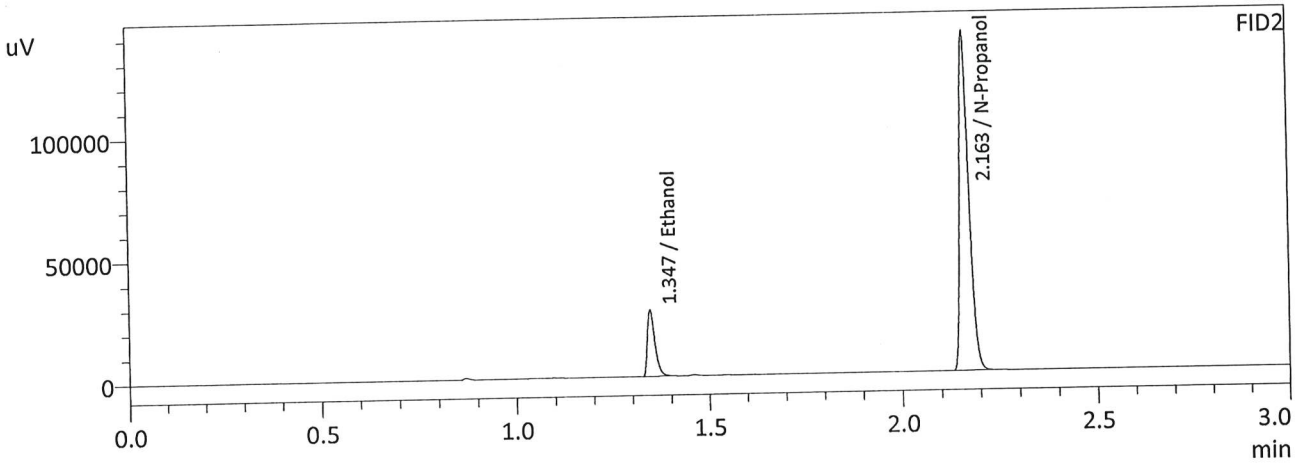
Reported Results
0.079

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 8/17/2023 4:09:46 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

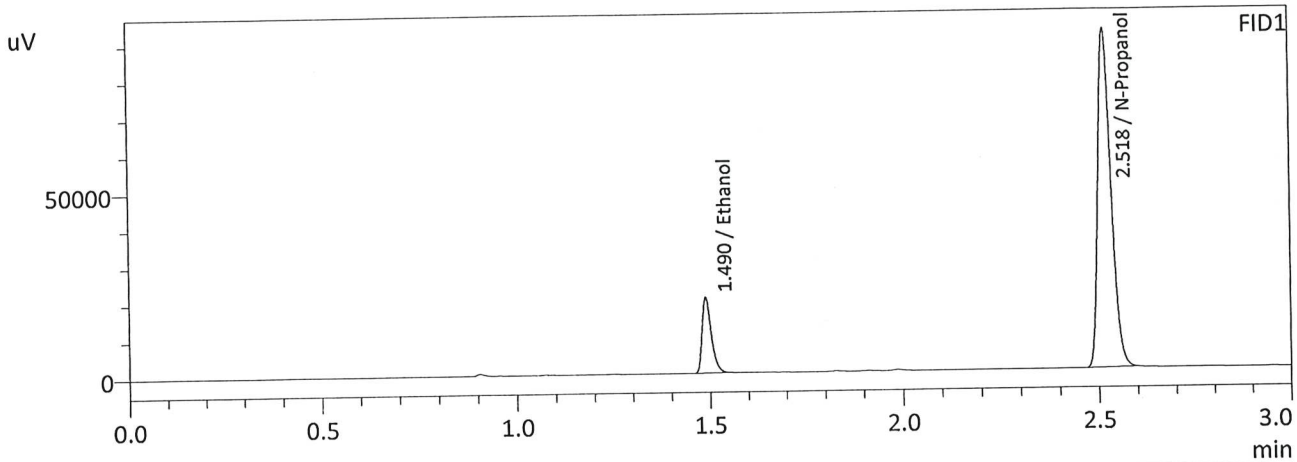
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	33780	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212115	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

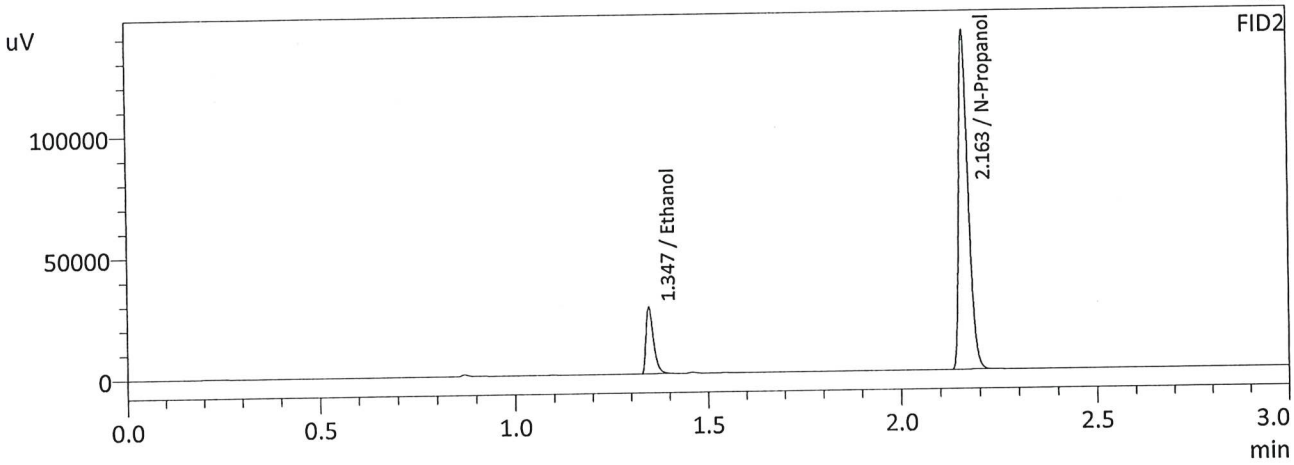
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	36455	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229204	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 8/17/2023 4:18:12 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	34041	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213761	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	36736	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231039	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 8/17/2023 4:26:00 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0788	0.0786	0.0002	0.0787	0.0021	0.0797
(g/100cc)	0.0810	0.0806	0.0004	0.0808		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230807.GCM.gcm

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

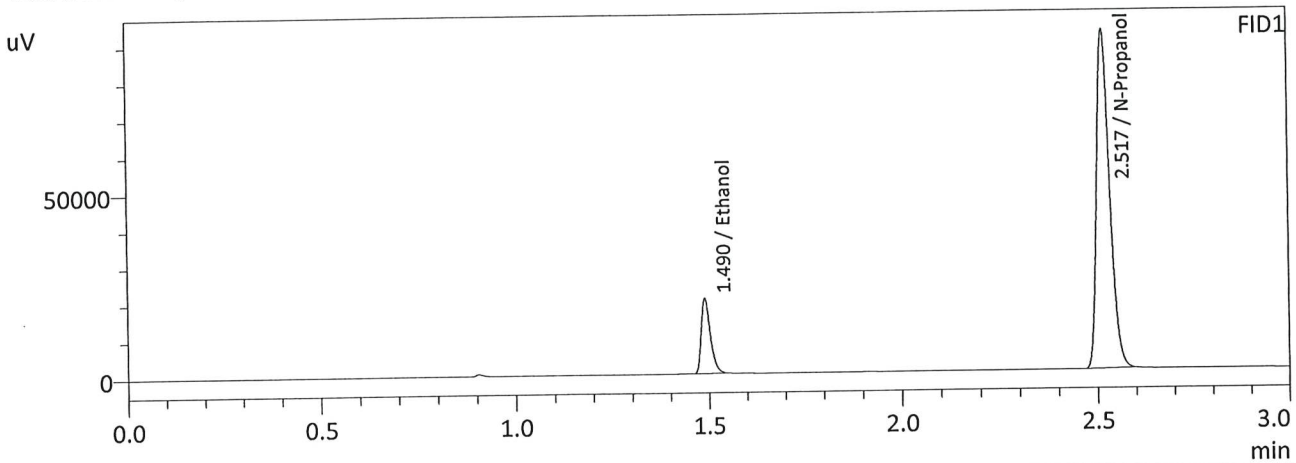
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

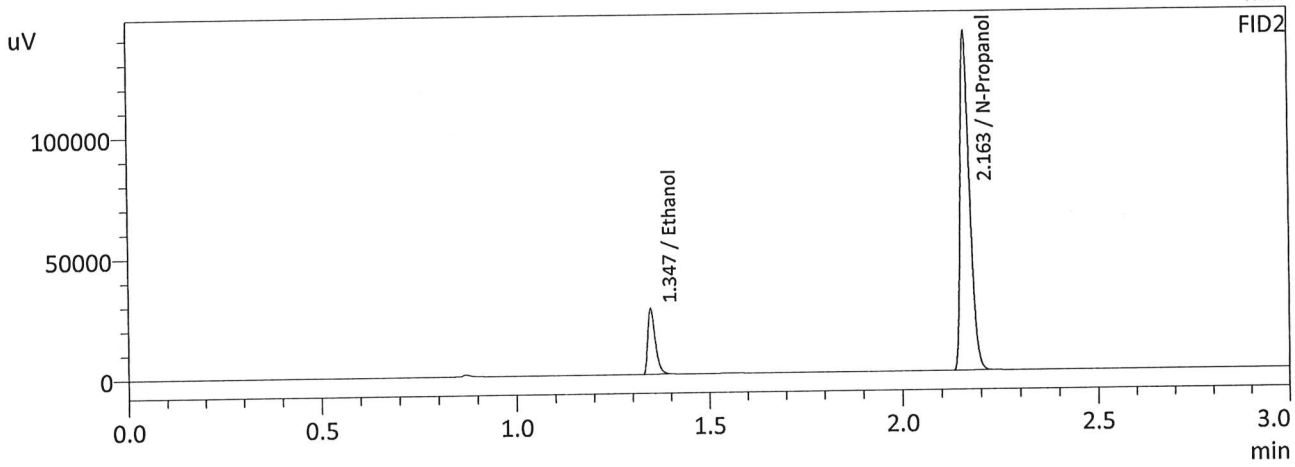
Reported Results
0.079

Calibration and control data are stored centrally.

JG

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 8/17/2023 4:26:00 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

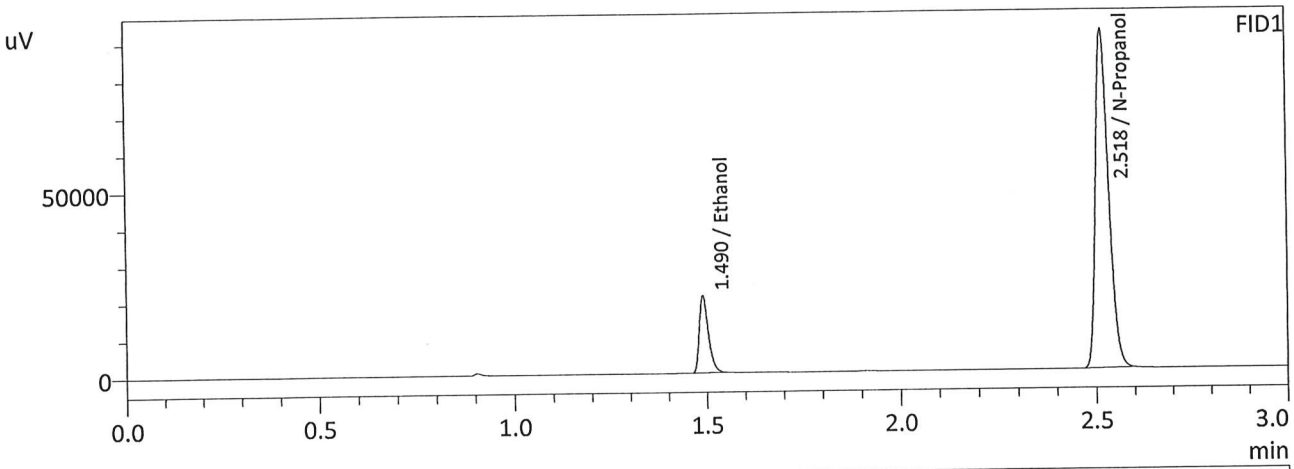
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0788	33953	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	214481	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

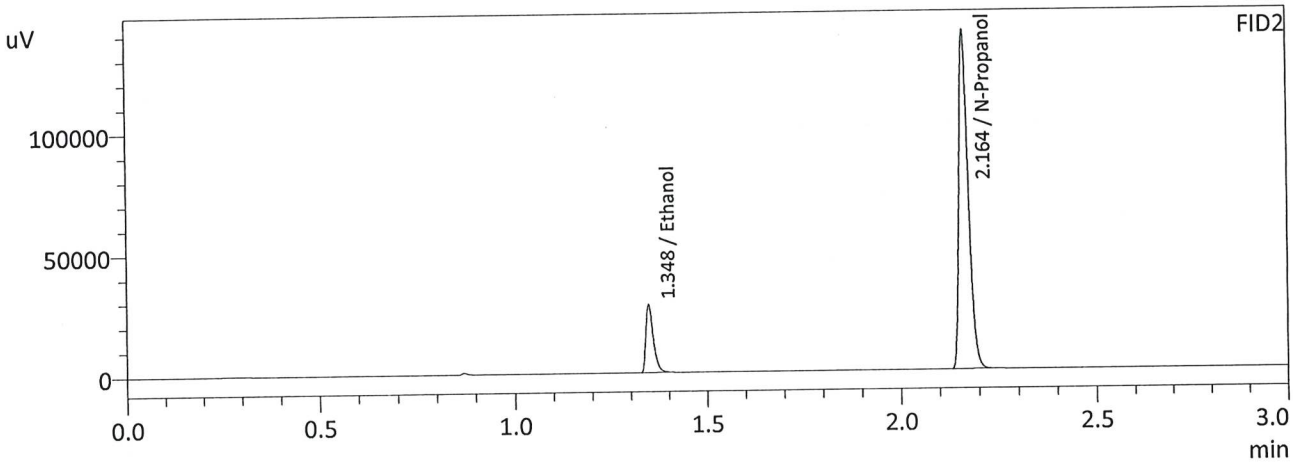
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0786	36668	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232103	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 8/17/2023 4:34:23 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	34725	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213406	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0806	37487	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231140	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 **Analysis Date(s): 8/17/2023 7:05:42 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2099	0.2097	0.0002	0.2098	0.0039	0.2078
(g/100cc)	0.2056	0.2063	0.0007	0.2059		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230807.GCM.gcm

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

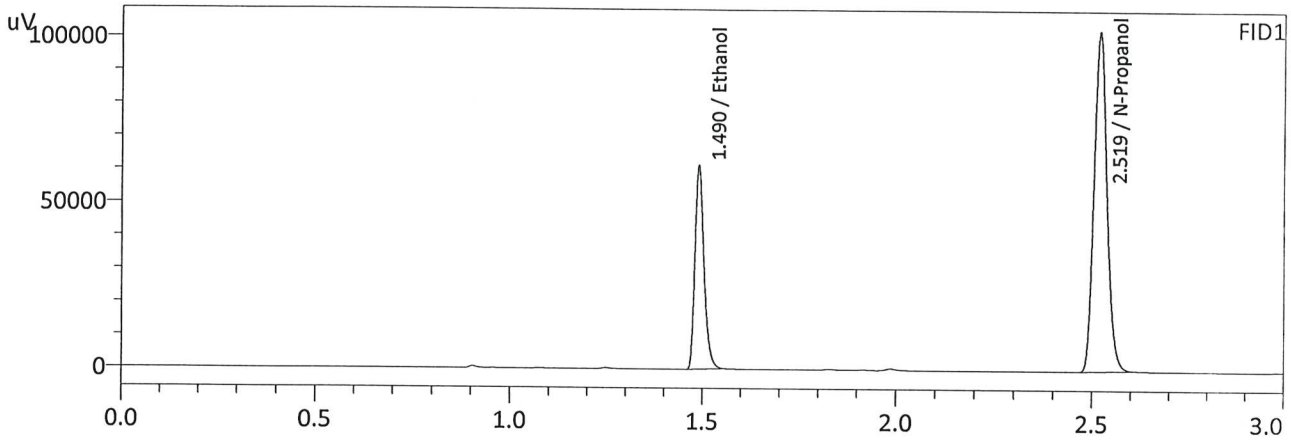
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

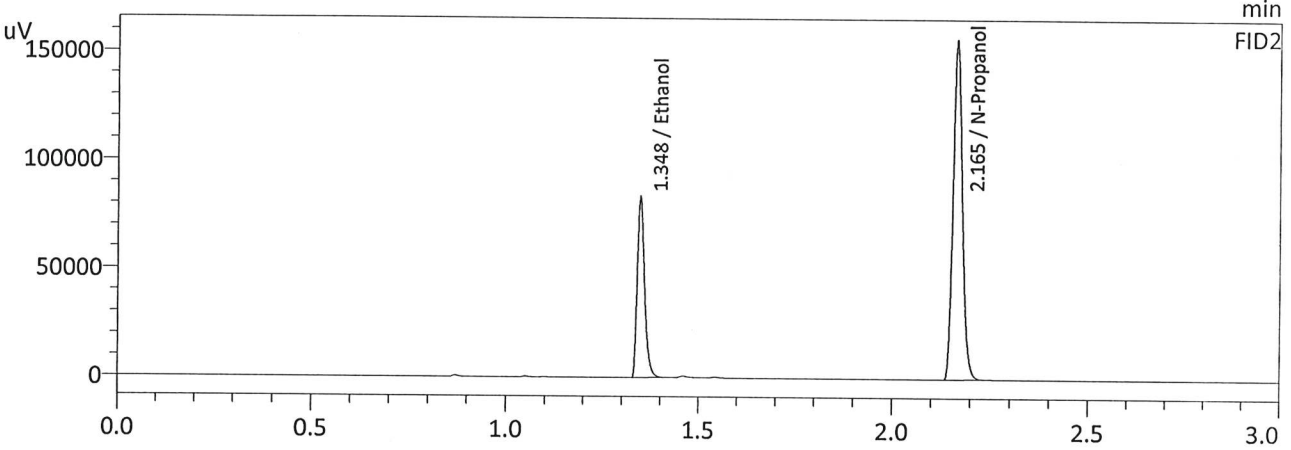
Reported Results
0.207

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 8/17/2023 7:05:42 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

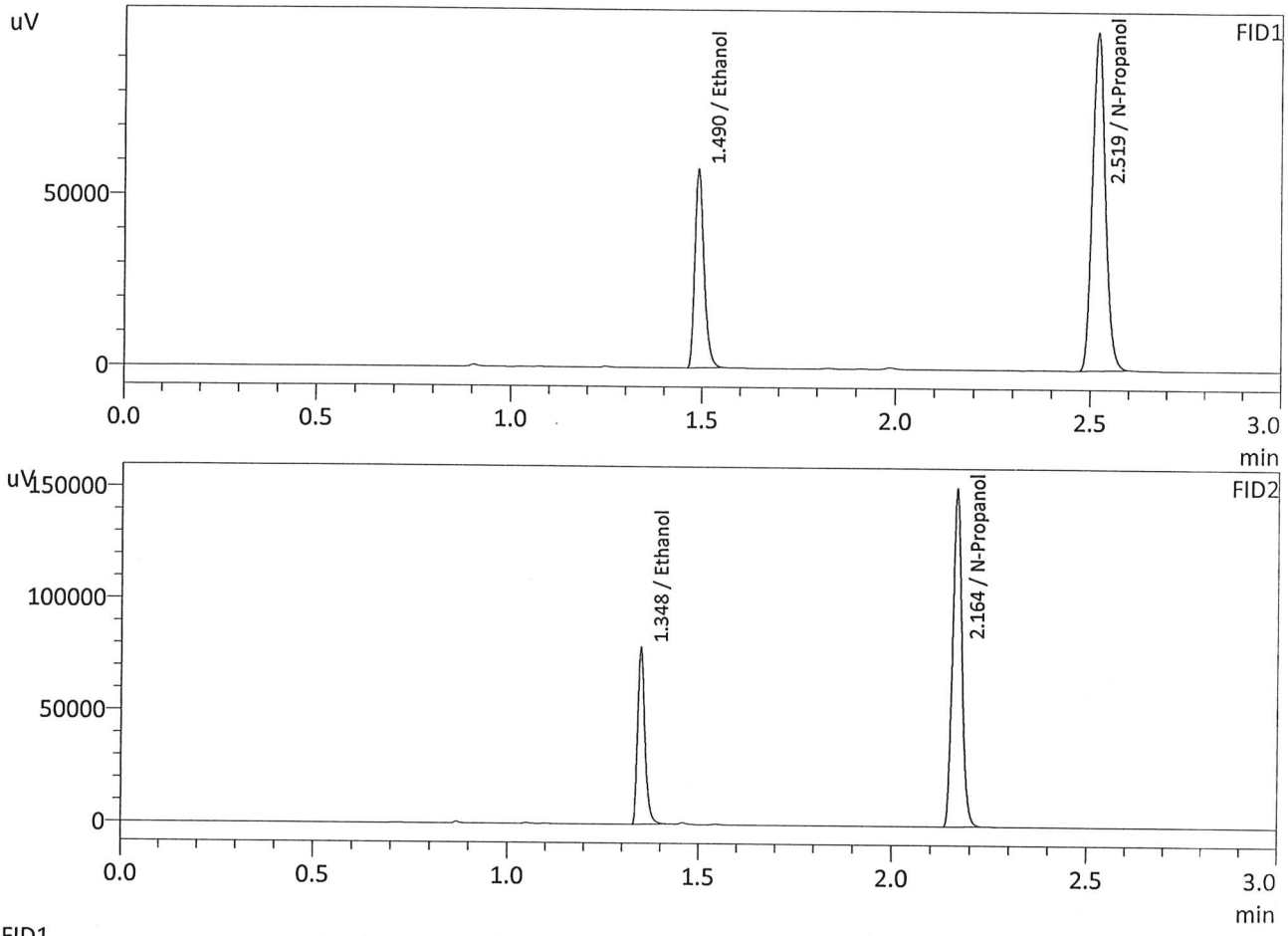
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2099	102130	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	239578	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2097	110584	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259115	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 8/17/2023 7:13:40 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2056	96344	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230803	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2063	104829	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249778	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 **Analysis Date(s): 8/17/2023 10:02:38 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0818	0.0001	0.0818	0.0001	0.0818
(g/100cc)	0.0819	0.0816	0.0003	0.0817		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230807.GCM.gcm

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

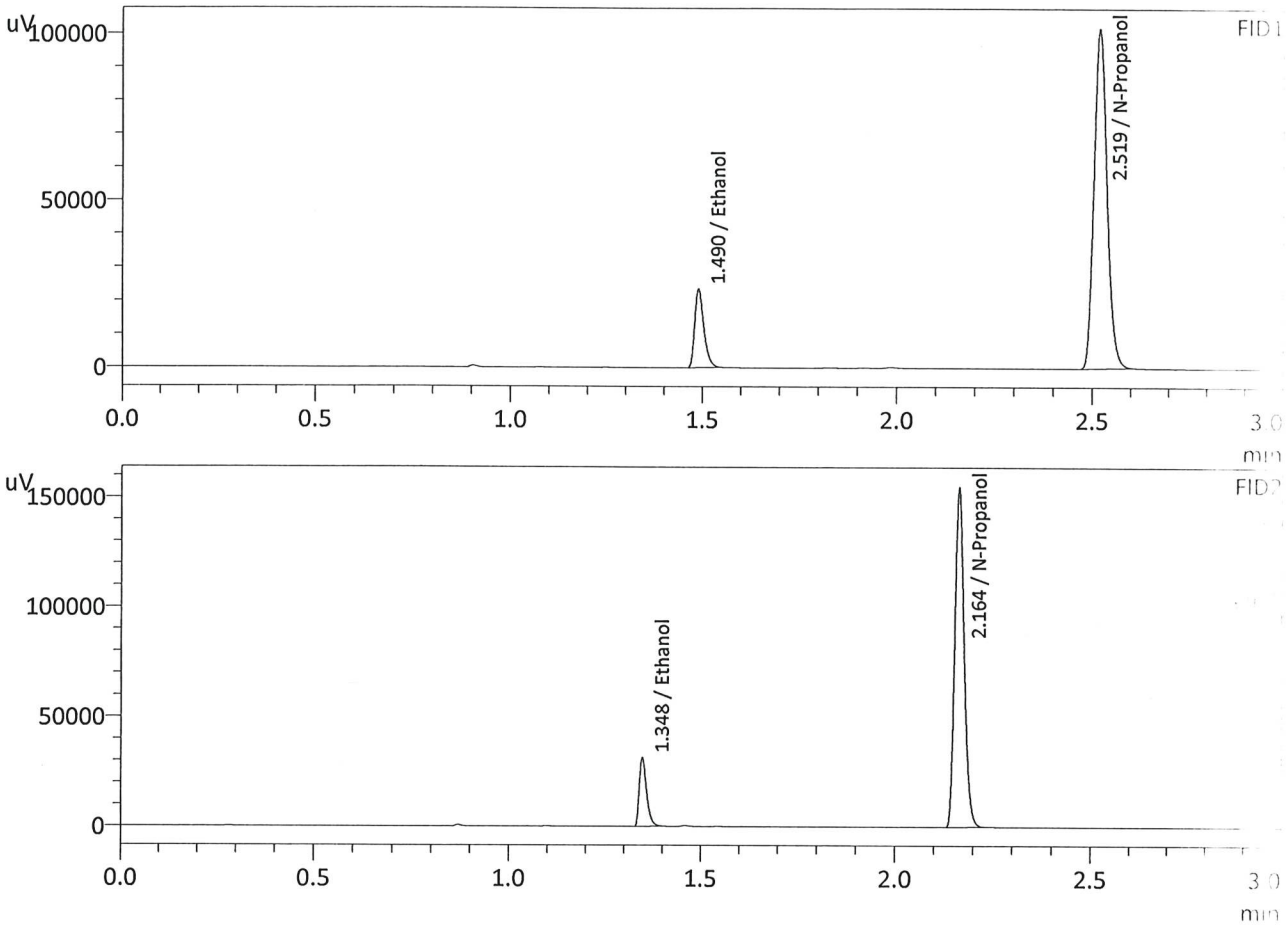
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

Reported Results
0.081

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 8/17/2023 10:02:38 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

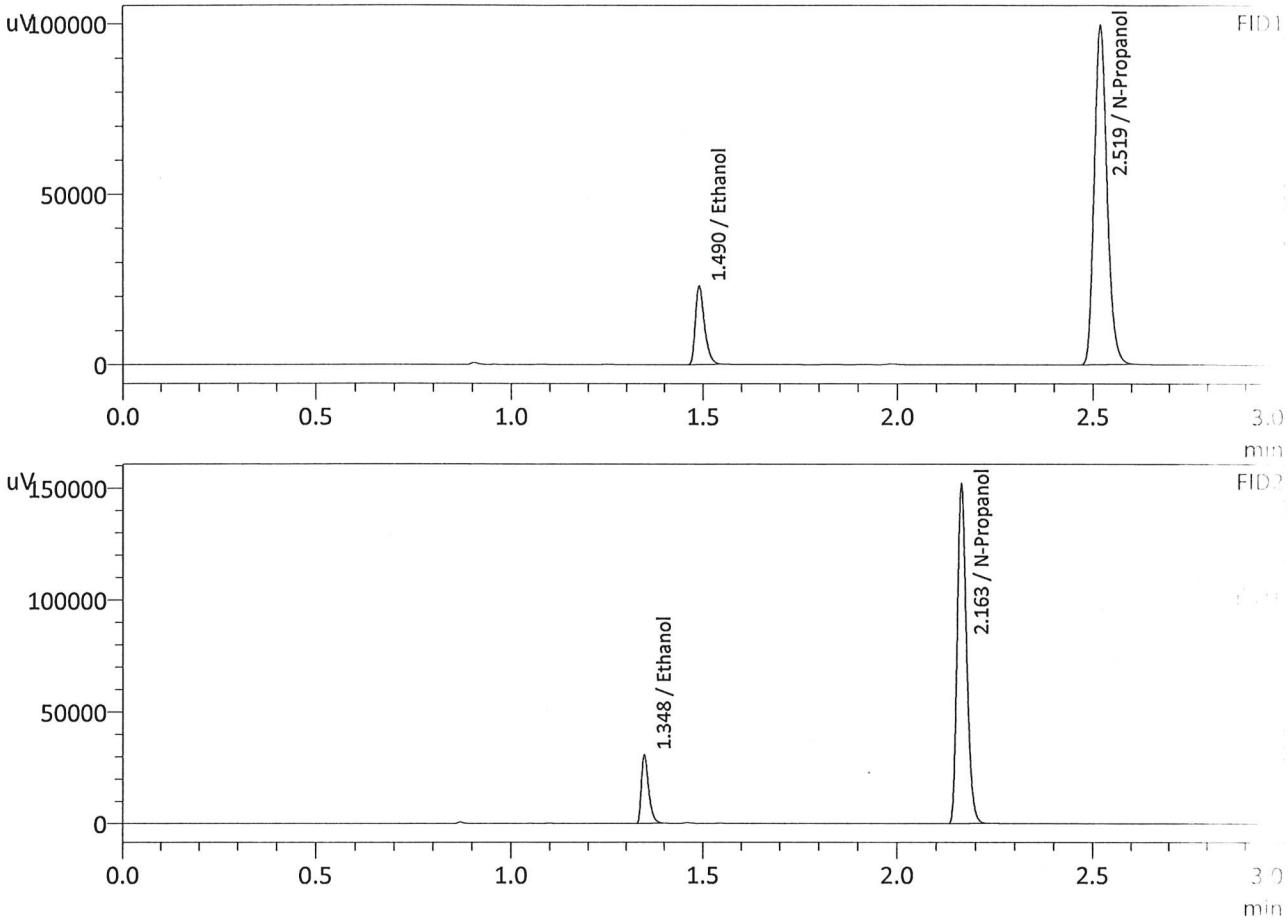
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	38982	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236763	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	42160	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	256089	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 8/17/2023 10:11:44 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	38183	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232164	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0816	41238	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	251006	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2 **Analysis Date(s): 8/17/2023 10:19:30 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2064	0.2061	0.0003	0.2062	0.0002	0.2061
(g/100cc)	0.2061	0.2059	0.0002	0.2060		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information — Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230807.GCM.gcm

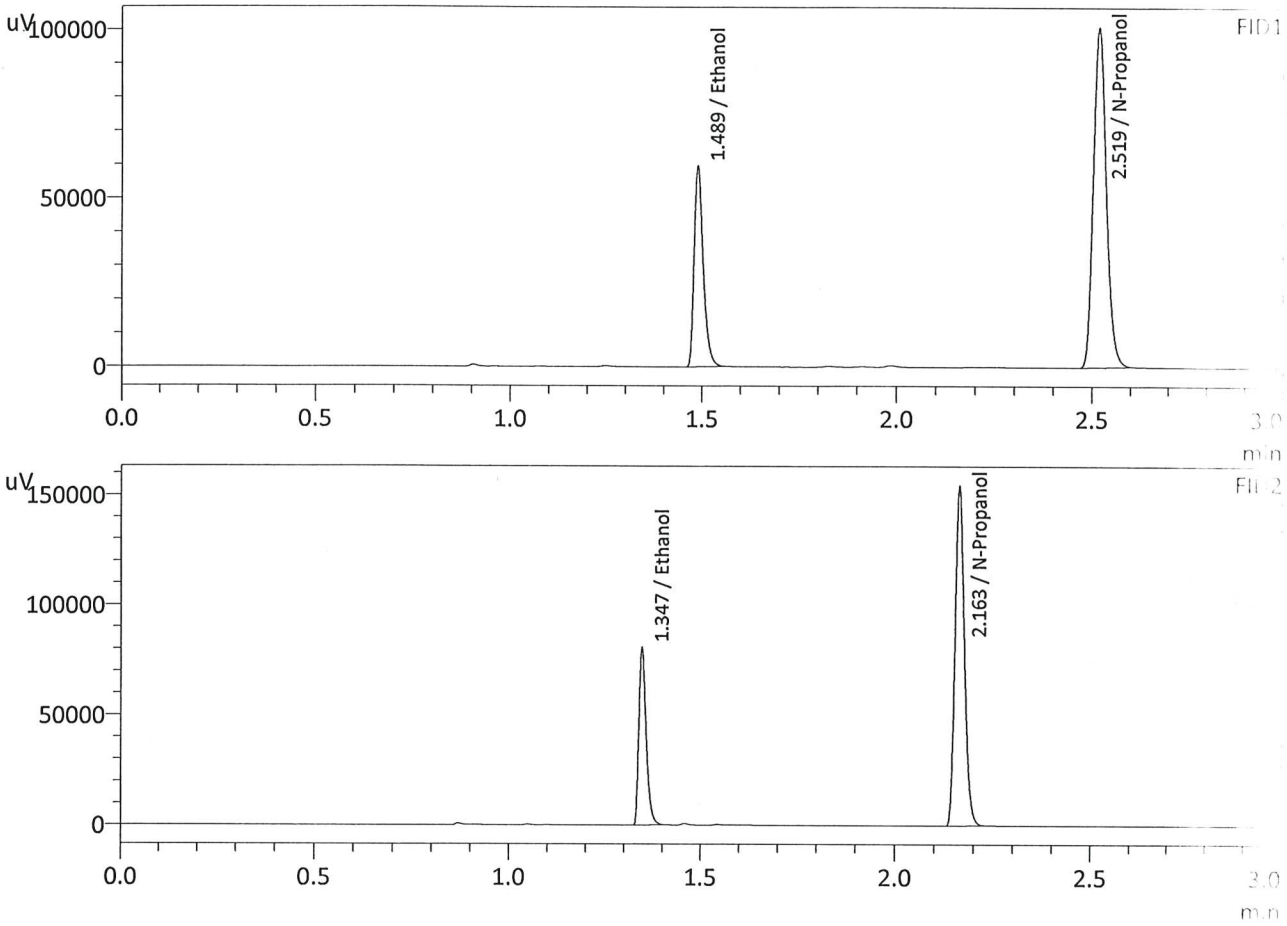
Reporting of Results	Uncertainty of Measurements (UM%):	5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.206	0.195	0.217	0.011

Reported Results
0.206

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 8/17/2023 10:19:30 PM
Vial # : 49
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

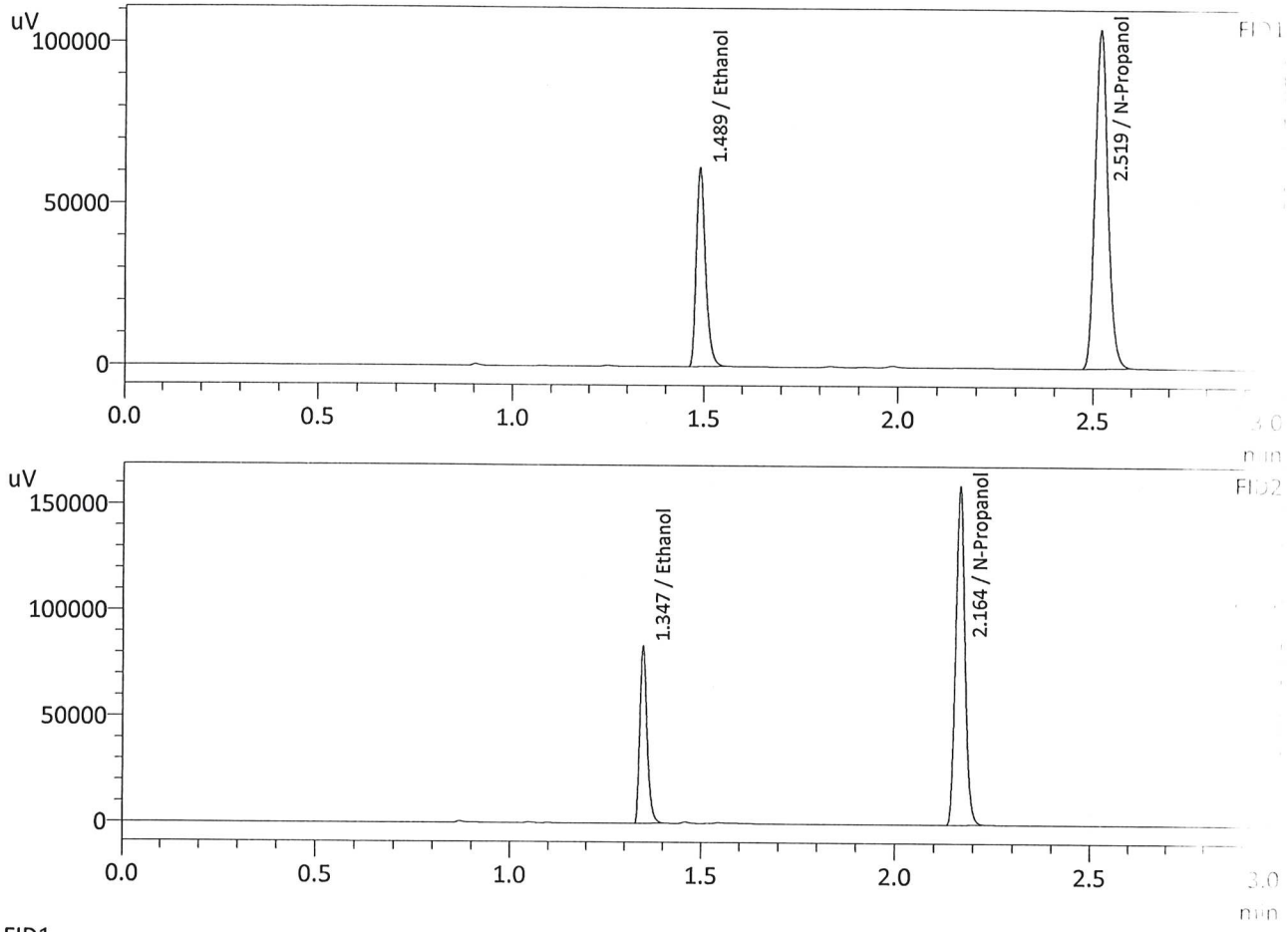
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	98902	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236051	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2061	106944	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	254975	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 8/17/2023 10:27:17 PM
Vial # : 50
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

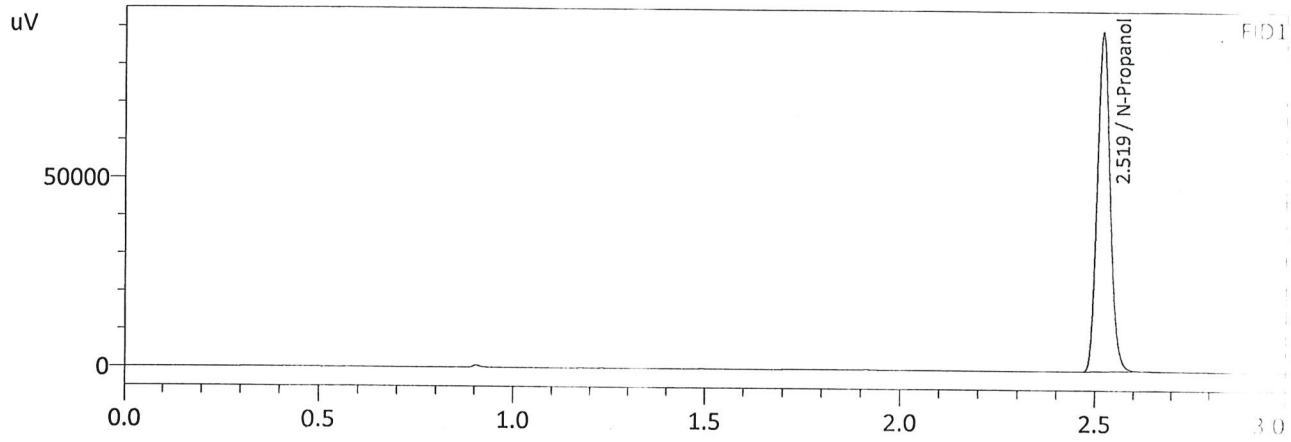
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2061	102178	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	244145	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

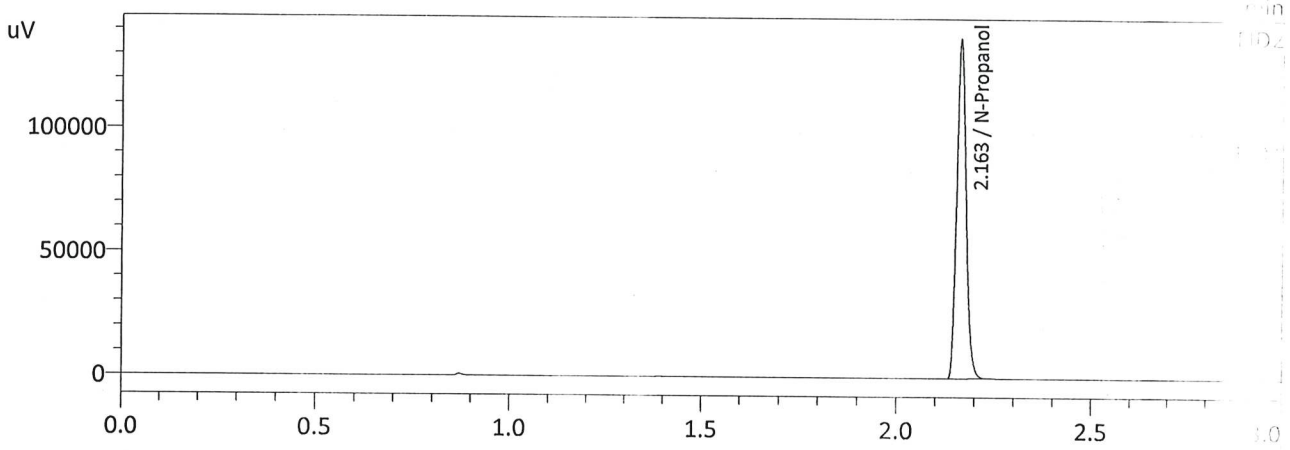
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2059	110617	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	264008	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 8/17/2023 10:36:50 PM
Vial # : 51
Method Filename : Default Project - ALCOHOL_230807.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	209861	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	226831	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

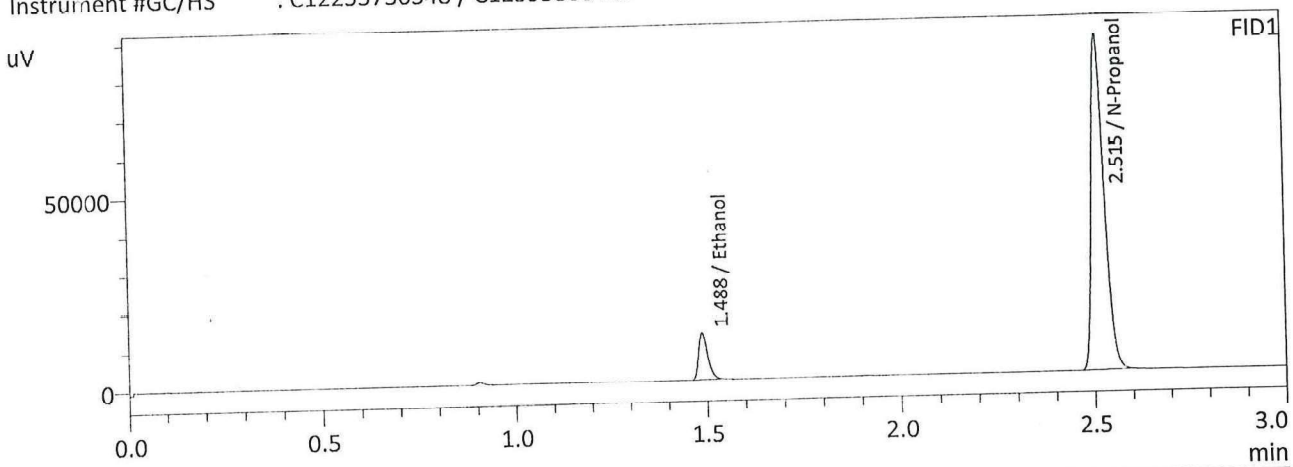
Meridian Blood Alcohol Analysis Batch Table

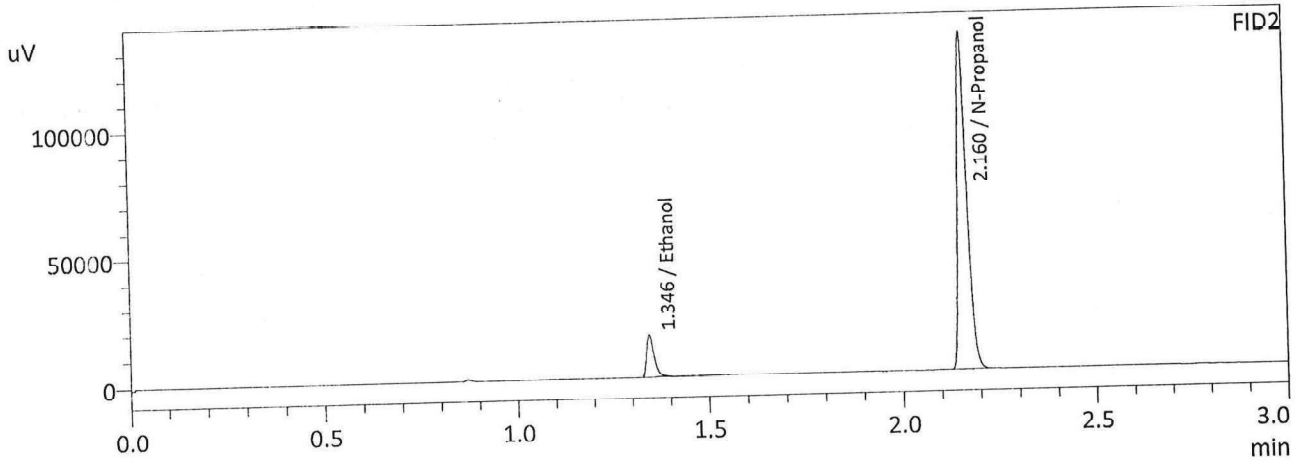
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

Vial#	Sample Name	Sample Type	Level#	Method File
1	INT STD BLK 1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230807.GCM.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230807.GCM.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
7	M2023-3410-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
8	M2023-3410-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
9	M2023-3411-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
10	M2023-3411-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
11	M2023-3436-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
12	M2023-3436-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
13	M2023-3438-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
14	M2023-3438-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
15	M2023-3448-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
16	M2023-3448-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
17	M2023-3451-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
18	M2023-3451-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
19	M2023-3454-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
20	M2023-3454-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
21	M2023-3477-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
22	M2023-3477-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
23	M2023-3486-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
24	M2023-3486-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
27	M2023-3487-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
28	M2023-3487-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
29	M2023-3491-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
30	M2023-3491-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
31	M2023-3508-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
32	M2023-3508-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
33	M2023-3509-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
34	M2023-3509-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
35	M2023-3517-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
36	M2023-3517-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
37	M2023-3539-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
38	M2023-3539-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
39	M2023-3540-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
40	M2023-3540-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
41	M2023-3544-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
42	M2023-3544-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
43	M2023-3559-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
44	M2023-3559-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
45	P2023-2484-1	0:Unknown	0	ALCOHOL 230807.GCM.gcm
46	P2023-2484-1-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 230807.GCM.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
49	QC-2-2	0:Unknown	0	ALCOHOL 230807.GCM.gcm
50	QC-2-2-B	0:Unknown	0	ALCOHOL 230807.GCM.gcm
51	INT STD BLK	0:Unknown	0	ALCOHOL 230807.GCM.gcm

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 8/7/2023 2:16:11 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

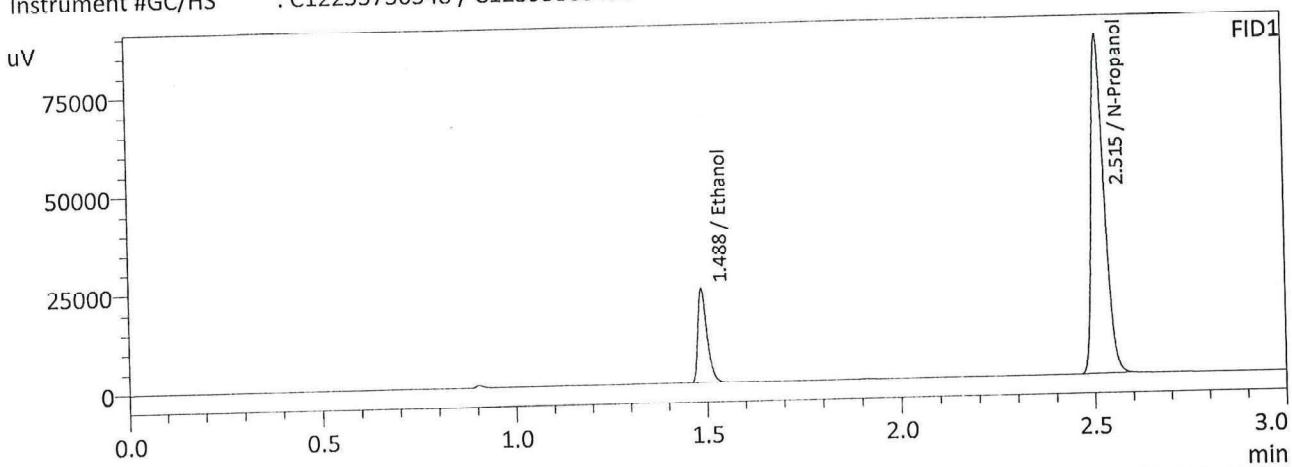
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0498	20104	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203400	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

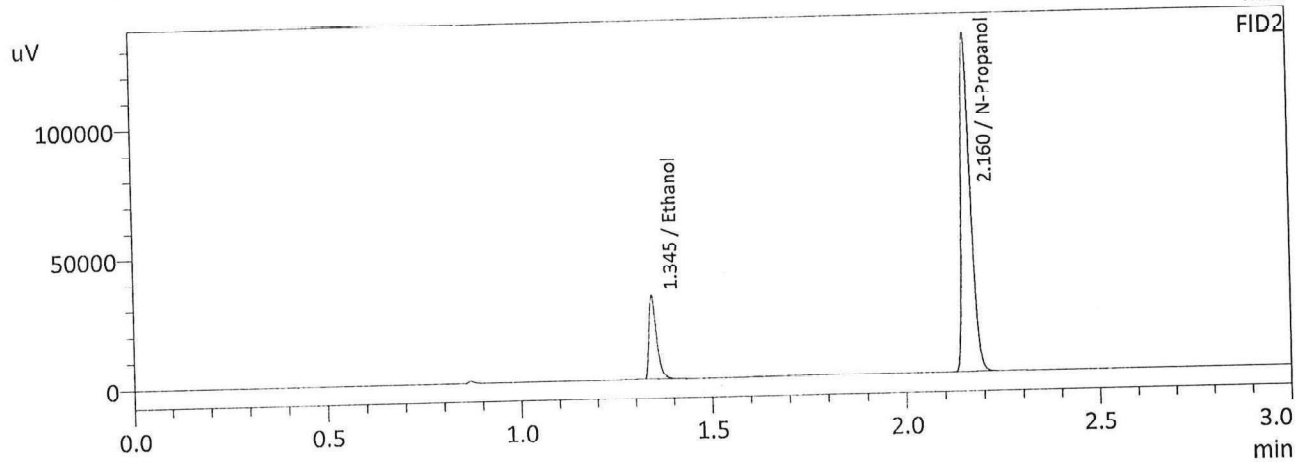
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0496	21612	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219060	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 8/7/2023 2:23:31 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





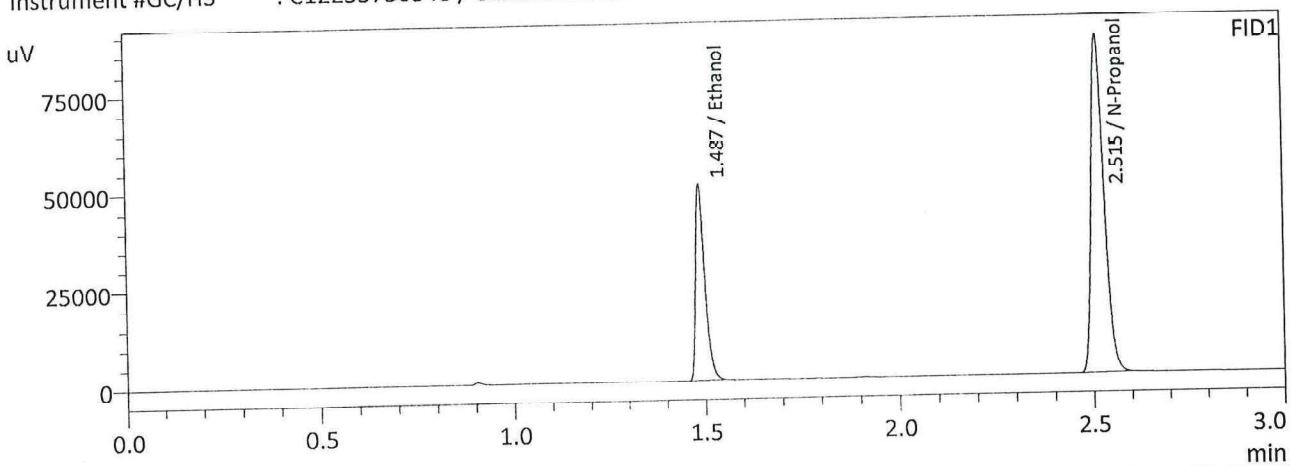
FID1

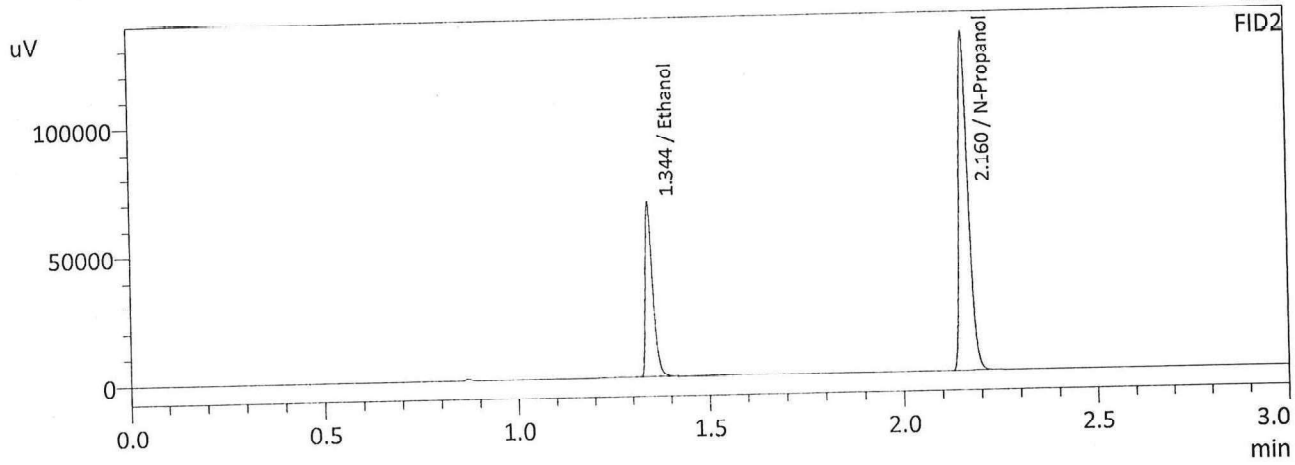
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0978	39506	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200547	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0983	42812	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215835	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 8/7/2023 2:30:54 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

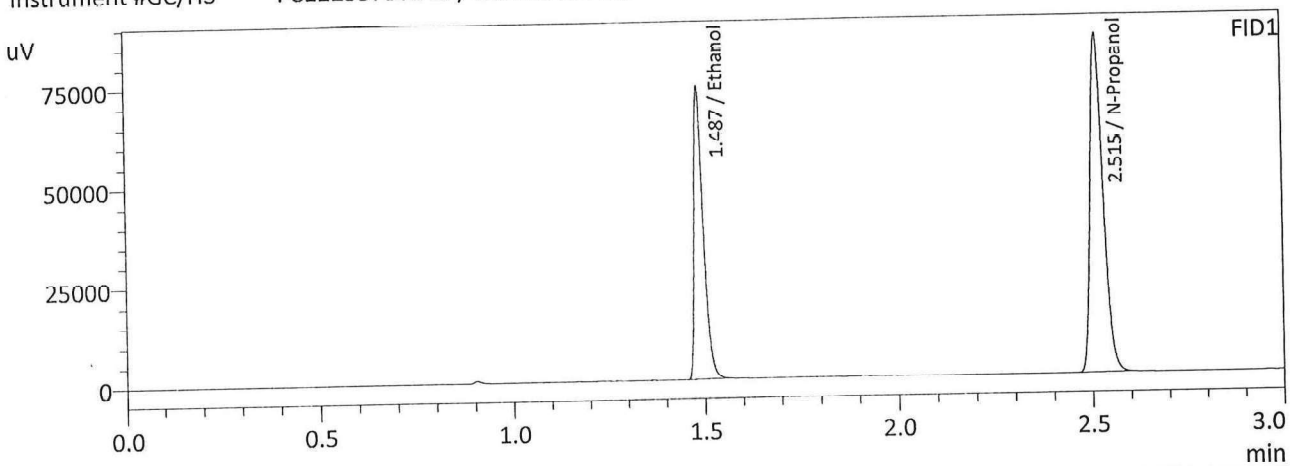
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2026	83100	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202017	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

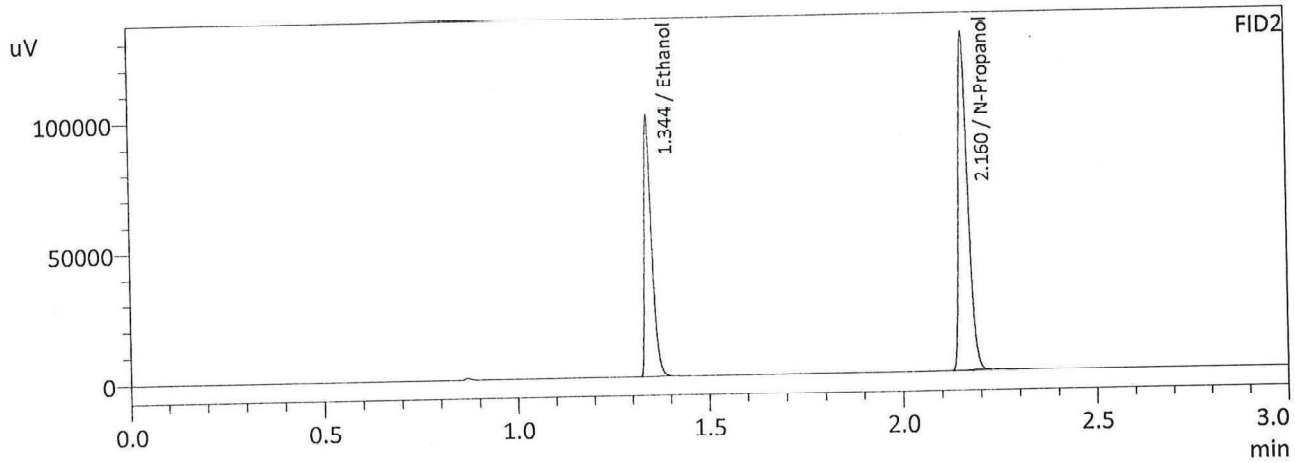
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2021	89637	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218011	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 8/7/2023 2:39:37 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

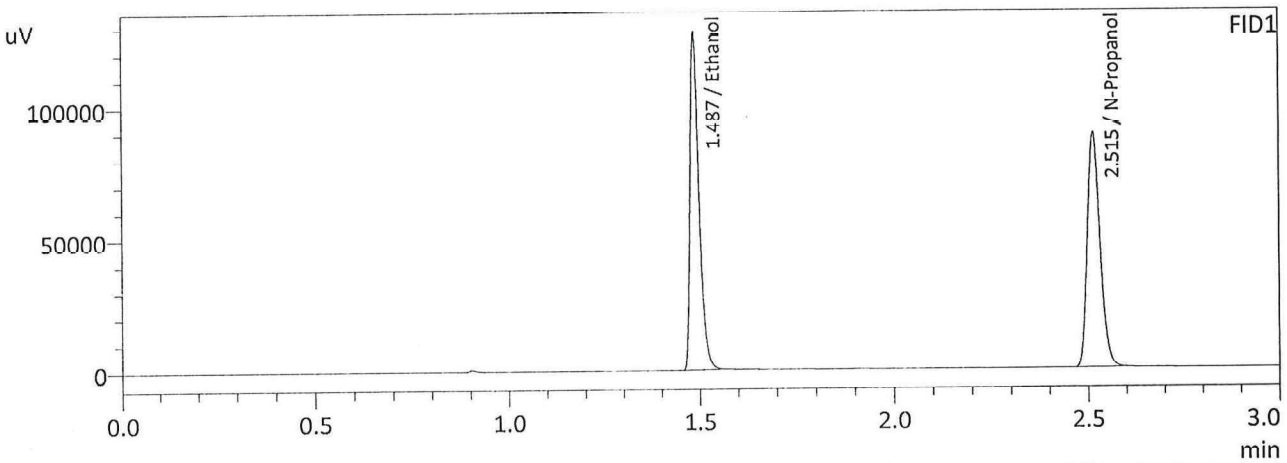
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3007	121728	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198943	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

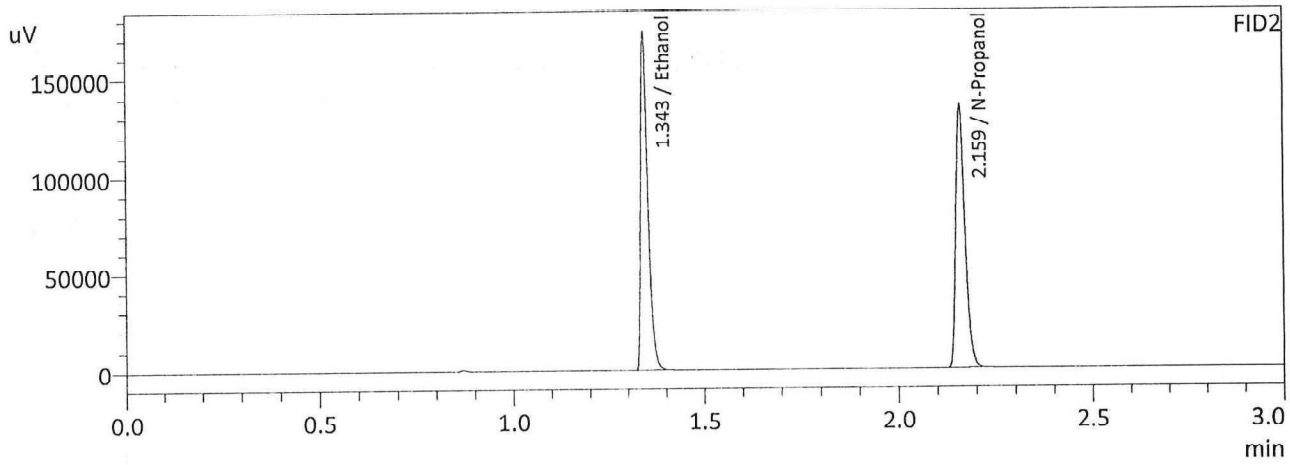
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3009	131641	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214549	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 8/7/2023 2:48:24 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230807.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

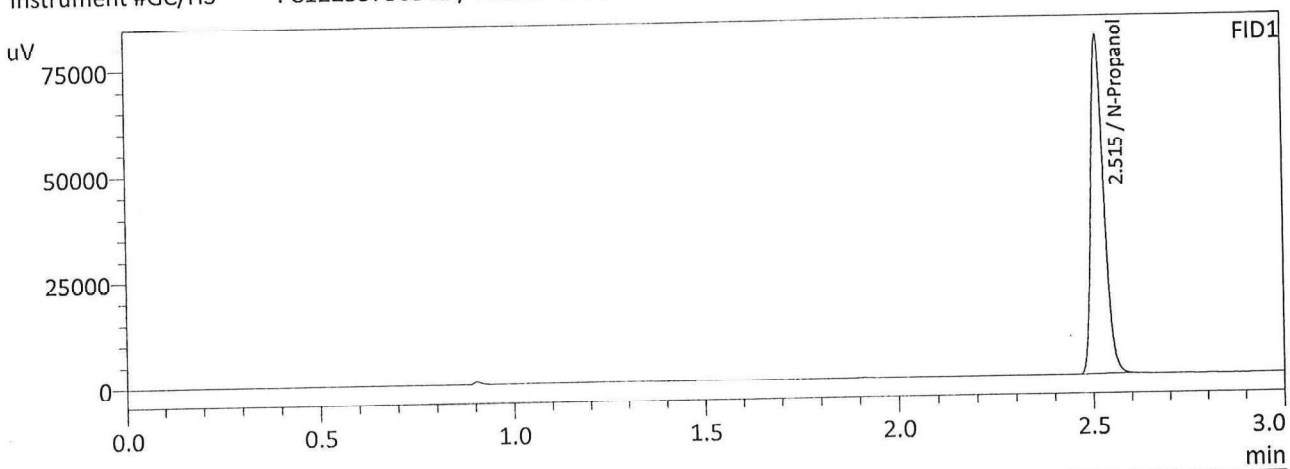
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4989	210333	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	206837	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

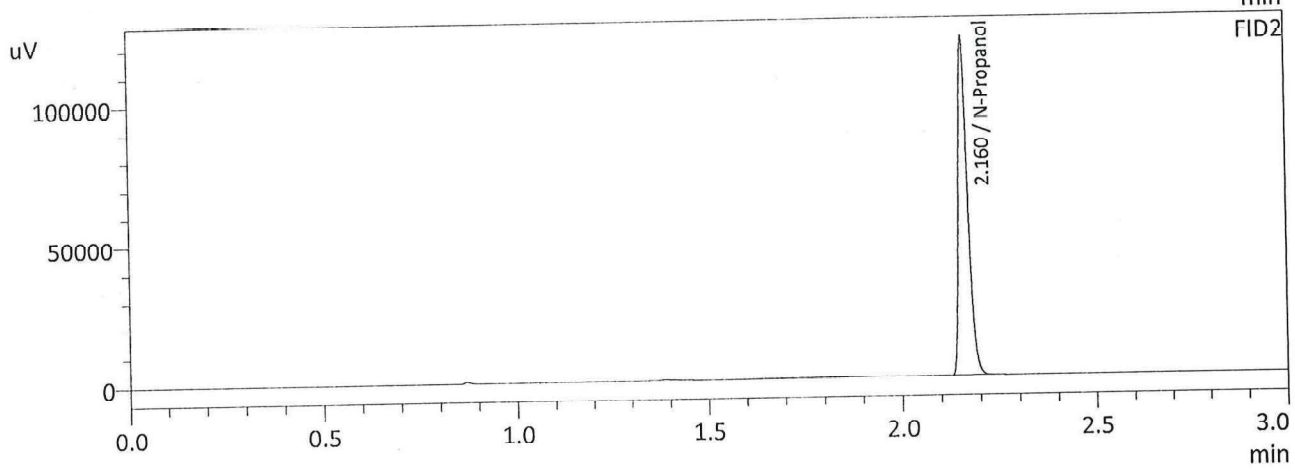
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4989	226980	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222686	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 8/7/2023 2:55:40 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230807.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	185985	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

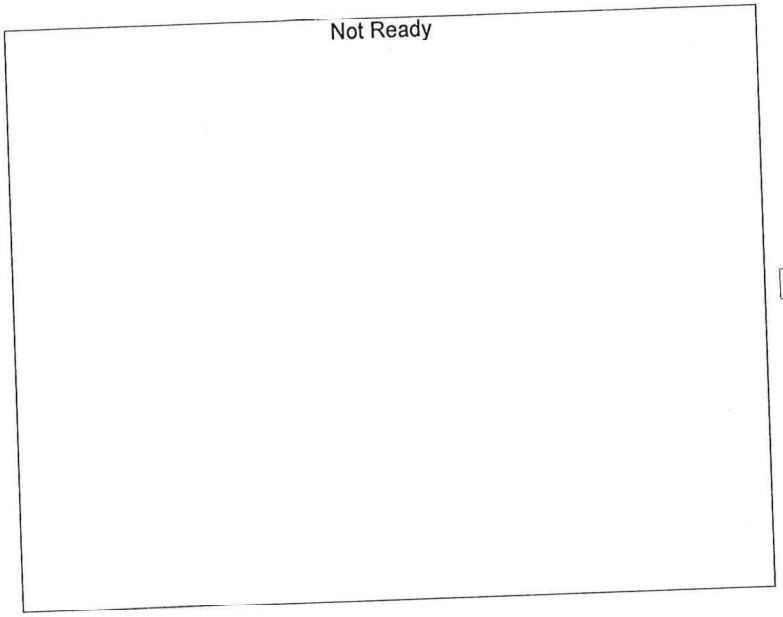
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200829	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Calibration Table

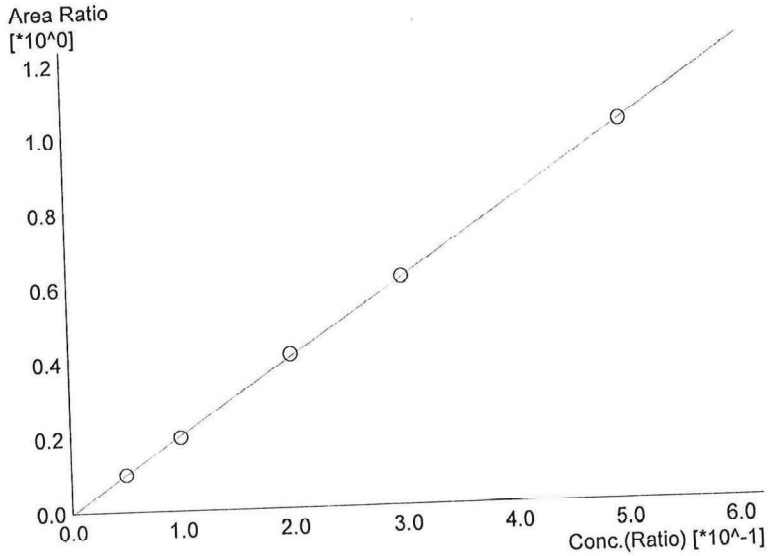
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>	
Method File	:Default Project - ALCOHOL_230807.GCM.gcm
Batch File	:Default Project - CALCURVE_230807.gcb
Date Acquired	:8/7/2023 2:48:24 PM
Date Created	:8/7/2023 2:42:42 PM
Date Modified	:8/7/2023 2:51:26 PM



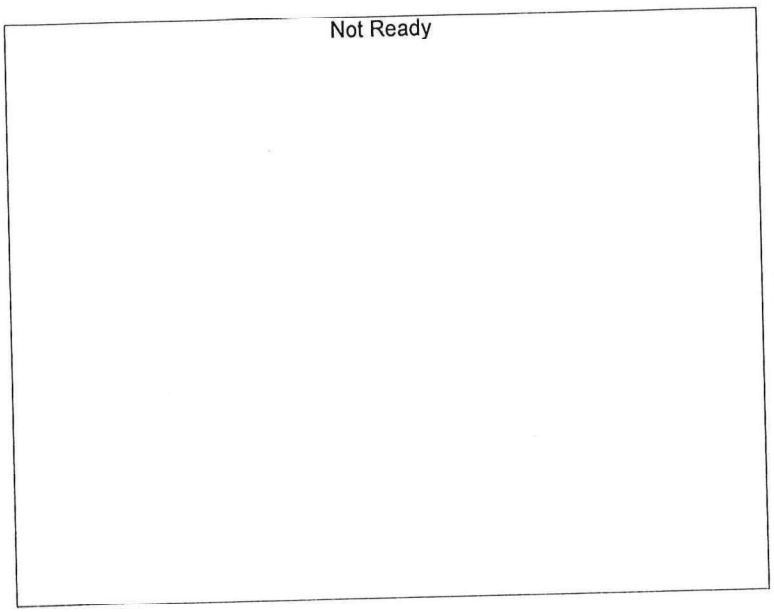
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



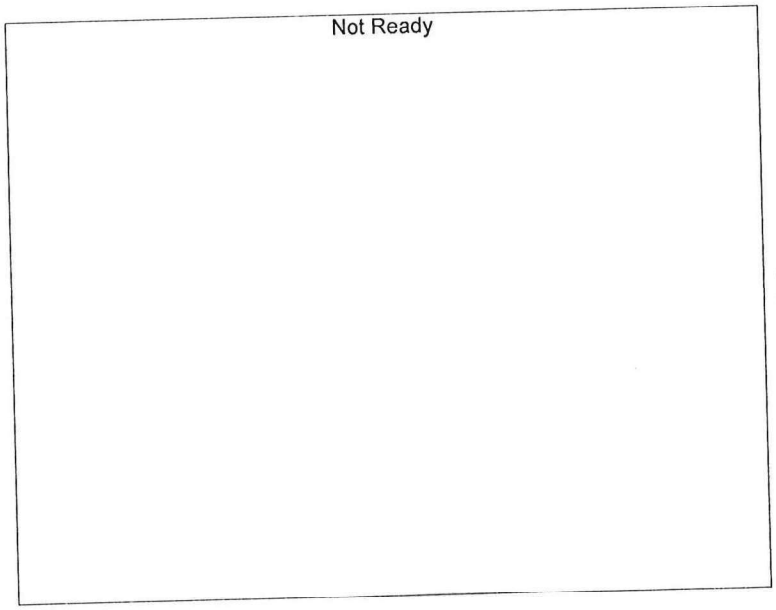
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.04417*x-0.00296746
R^2 value= 0.9998924
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20104	0.0498
2	0.100	39506	0.0978
3	0.200	83100	0.2026
4	0.300	121728	0.3007
5	0.500	210333	0.4989



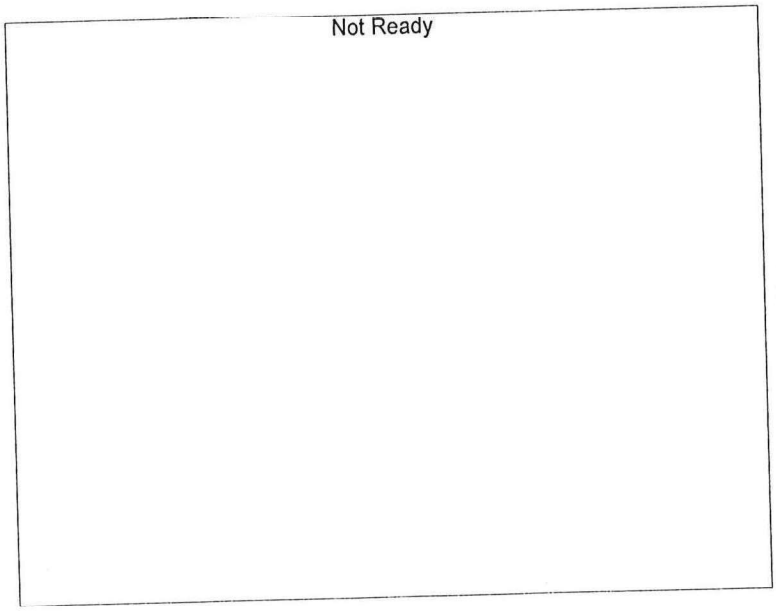
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

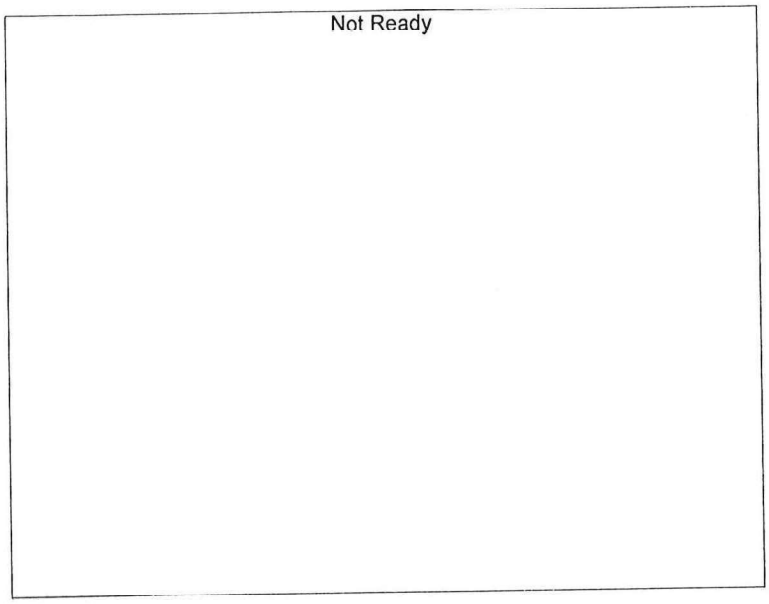
#	Conc.	Area	Std. Conc.



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

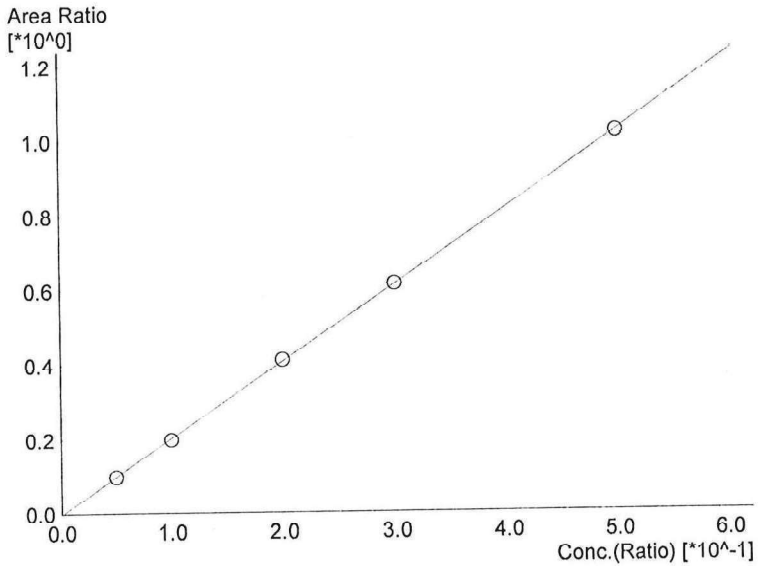
#	Conc.	Area	Std. Conc.

JC



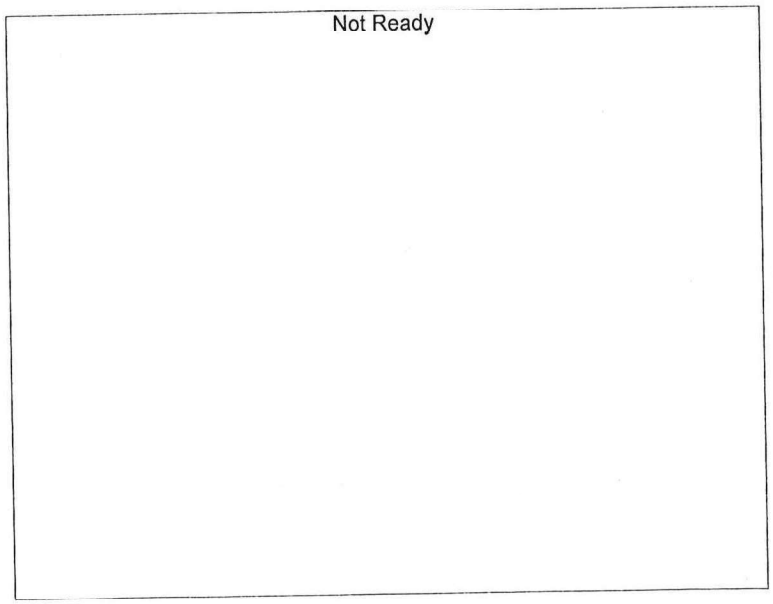
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



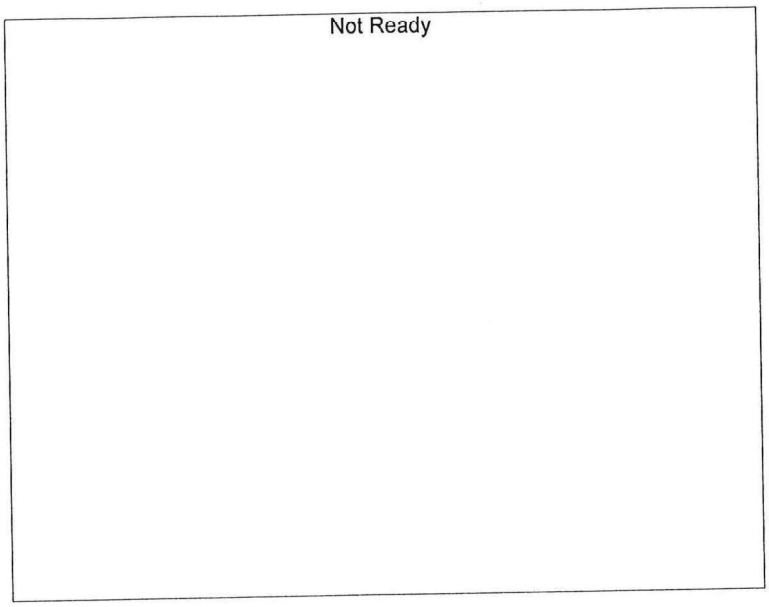
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.04904*x-0.00307458
R^2 value= 0.9999245
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21612	0.0496
2	0.100	42812	0.0983
3	0.200	89637	0.2021
4	0.300	131641	0.3009
5	0.500	226980	0.4989



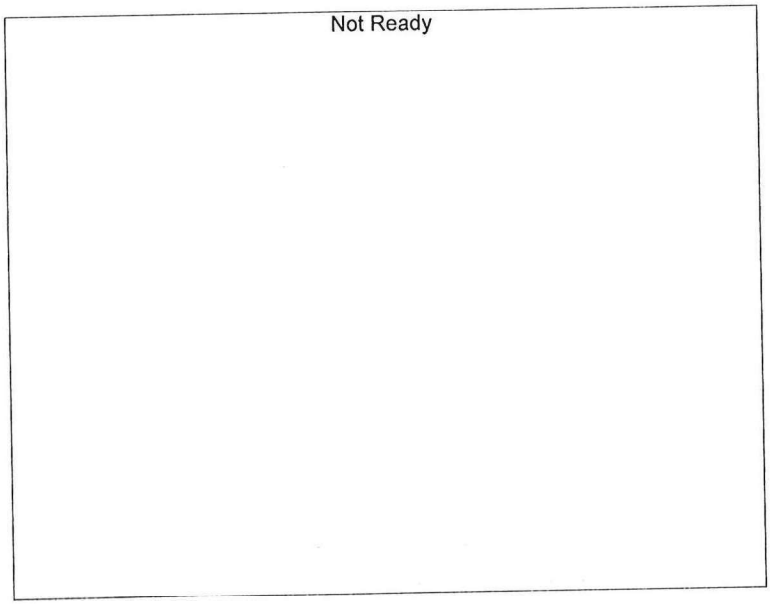
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.

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 230807.GCM.gcm
2	0.100	1:Standard	2	ALCOHOL 230807.GCM.gcm
3	0.200	1:Standard	3	ALCOHOL 230807.GCM.gcm
4	0.300	1:Standard	4	ALCOHOL 230807.GCM.gcm
5	0.500	1:Standard	5	ALCOHOL 230807.GCM.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230807.GCM.gcm