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): 9/21/23**

Calibration Date: *(if different)* **9/15/23**

Worklist #: 6505

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0816 g/100cc
					0.0841 g/100cc
					g/100cc
Level 2	Mar-26	2110181	0.2030	0.1827-0.2233	0.2072 g/100cc
					0.2077 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99976	**Column2**	0.99975

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0521	0.0520	0.0001	0.052
100	0.100	0.090 - 0.110	0.1006	0.1008	0.0002	0.1007
200	0.200	0.180 - 0.220	0.1951	0.1950	1E-04	0.195
300	0.300	0.270 - 0.330	0.3012	0.3010	0.0002	0.3011
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5008	0.5009	1E-04	0.5008

Aqueous Controls

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

REVIEWED
By Galina Giso at 11:55 am, Sep 22, 2023

JG

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

Internal Standard Monitoring Worksheet

Worklist #: 6505 **Run Date(s):** 9/21/23

Internal Standard Solution:	Prep Date: 9/11/2023	Exp Date: 3/11/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	184811	200057
0.080	182815	197482
QC1	185639	200548
QC1	185642	200777
QC1	217460	235466
QC1	214776	232803
QC1		
QC1		
QC2	208664	226267
QC2	211378	229187
QC2	227310	246216
QC2	230277	249642
QC2		
QC2		

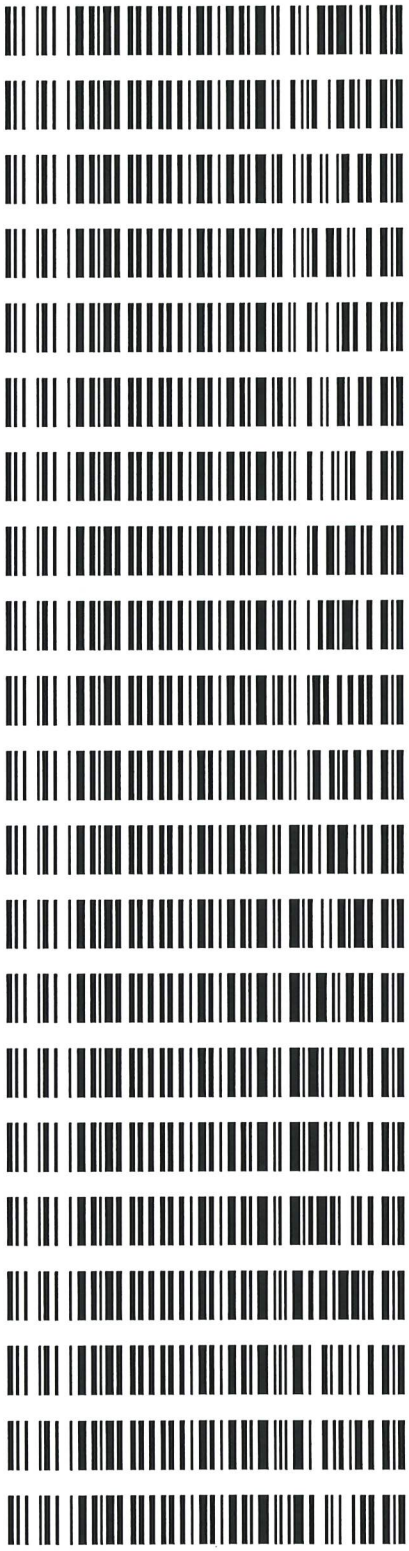
	Average	(-)20%	(+)20%
Column 1	204877.2	163901.8	245852.6
Column 2	221844.5	177475.6	266213.4

JC

9/22/2023

Worklist: 6505

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-3999	1	BCK	Alcohol Analysis
M2023-4009	1	BCK	Alcohol Analysis
M2023-4012	1	BCK	Alcohol Analysis
M2023-4013	1	BCK	Alcohol Analysis
M2023-4025	1	BCK	Alcohol Analysis
M2023-4026	1	BCK	Alcohol Analysis
M2023-4027	1	BCK	Alcohol Analysis
M2023-4028	1	BCK	Alcohol Analysis
M2023-4028	2	BCK	Alcohol Analysis
M2023-4028	3	BCK	Alcohol Analysis
M2023-4028	4	BCK	Alcohol Analysis
M2023-4076	1	BCK	Alcohol Analysis
M2023-4079	1	BCK	Alcohol Analysis
M2023-4090	1	BCK	Alcohol Analysis
M2023-4091	1	BCK	Alcohol Analysis
M2023-4092	1	BCK	Alcohol Analysis
M2023-4093	1	BCK	Alcohol Analysis
M2023-4094	1	BCK	Alcohol Analysis
M2023-4099	1	BCK	Alcohol Analysis
M2023-4100	1	BCK	Alcohol Analysis
M2023-4123	1	BCK	Alcohol Analysis



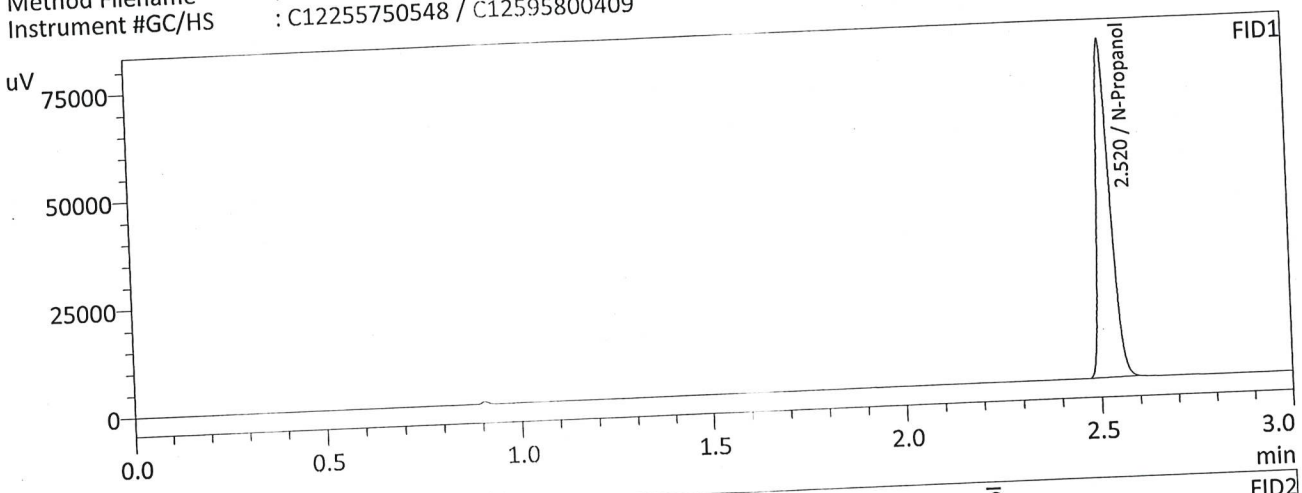
JC

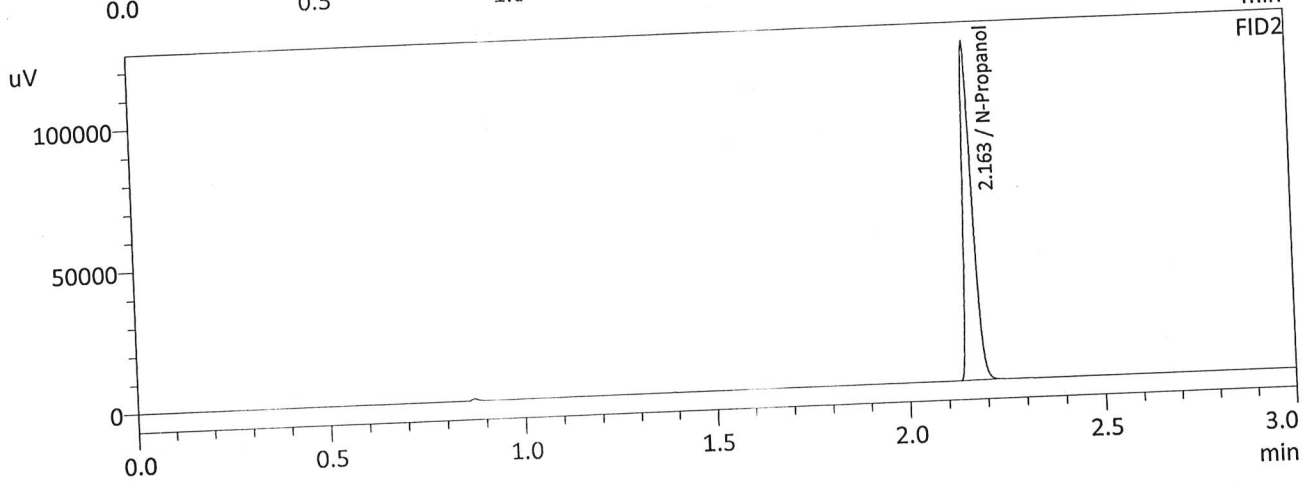
Worklist: 6505

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-4124	1	BCK	Alcohol Analysis
M2023-4125	1	BCK	Alcohol Analysis

JC

Sample Name : ISTD BLK 1
Laboratory : Meridian
Injection Date : 9/21/2023 3:22:47 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

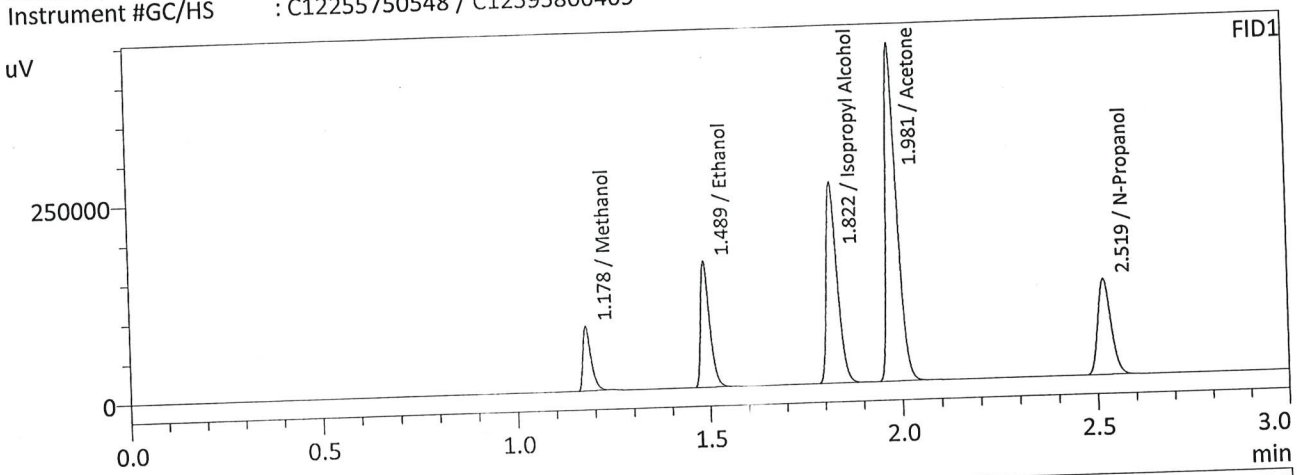
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183423	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

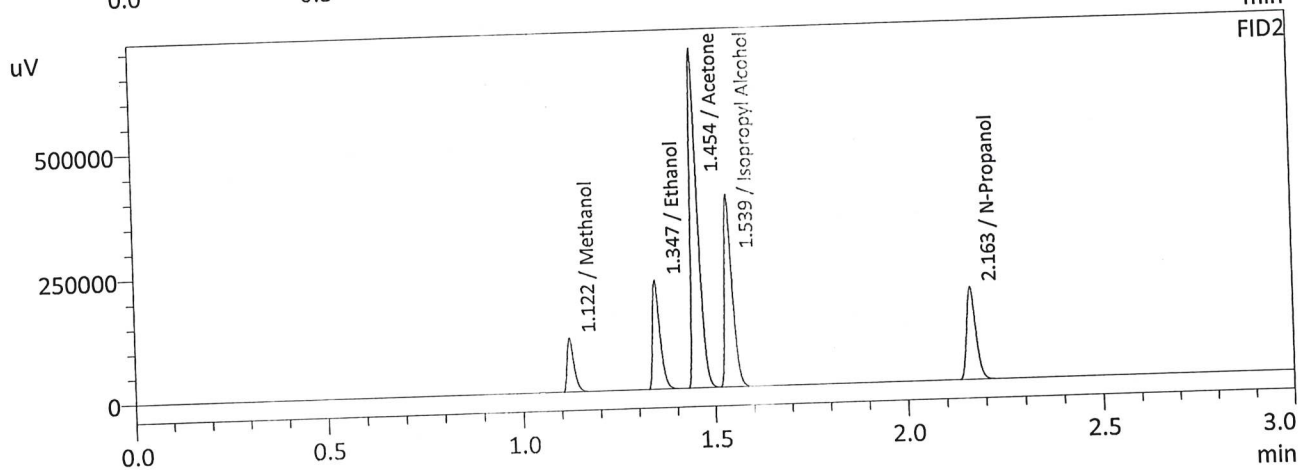
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197898	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JS

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 9/21/2023 3:30:08 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	120290	g/100cc
Ethanol	0.4371	262825	g/100cc
Isopropyl Alcohol	0.0000	494166	g/100cc
Acetone	0.0000	840178	g/100cc
N-Propanol	0.0000	282189	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	134452	g/100cc
Ethanol	0.4389	287399	g/100cc
Acetone	0.0000	912606	g/100cc
Isopropyl Alcohol	0.0000	534349	g/100cc
N-Propanol	0.0000	306434	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1

Analysis Date(s): 9/21/2023 3:37:48 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0803	0.0801	0.0002	0.0802	0.0029	0.0816
(g/100cc)	0.0833	0.0830	0.0003	0.0831		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230915.GCM.gcm

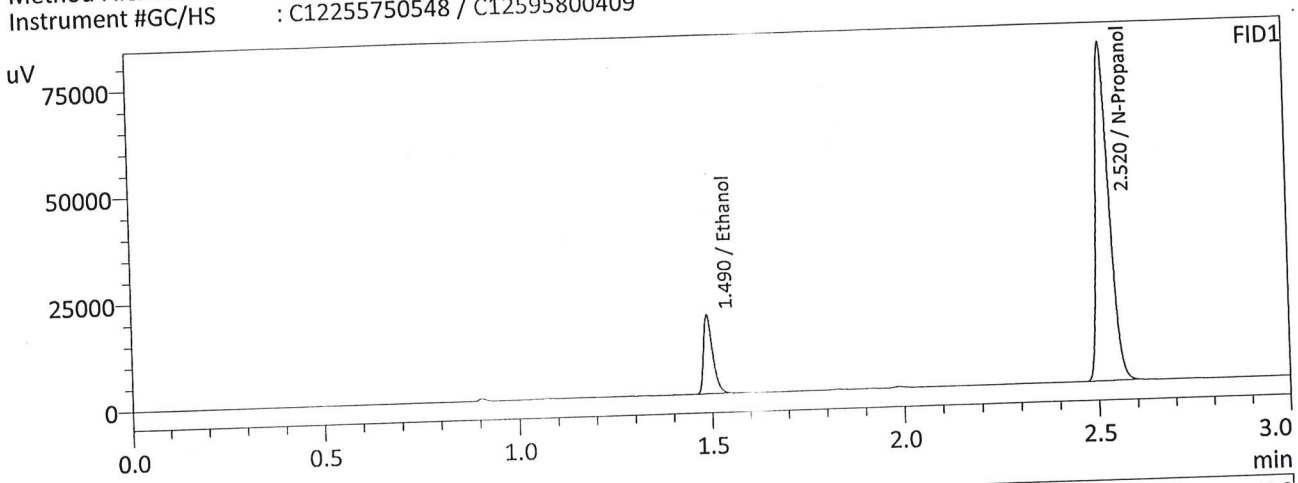
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

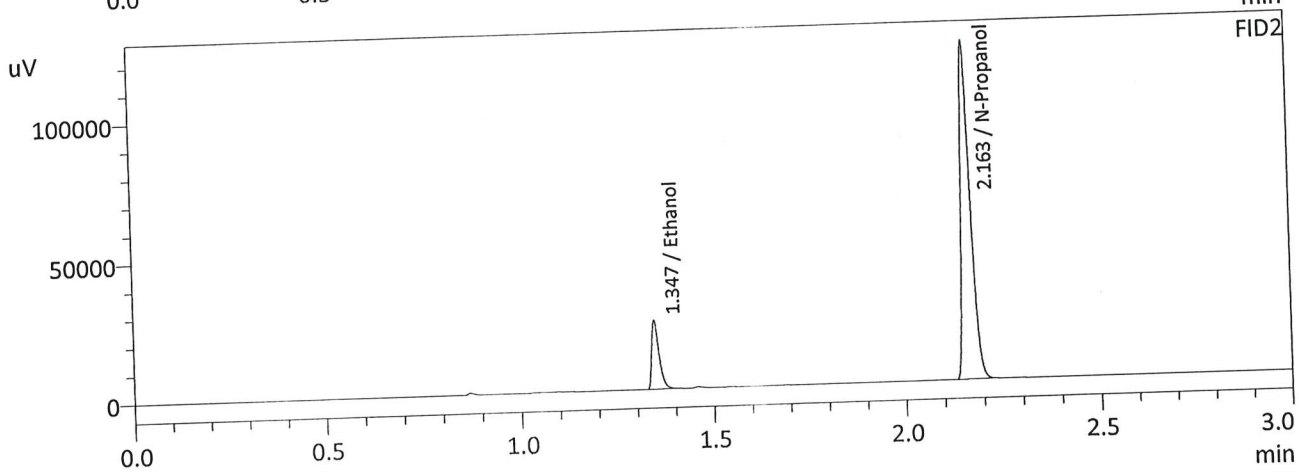
	Reported Results	
	0.081	

Calibration and control data are stored centrally.

JL

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 9/21/2023 3:37:48 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

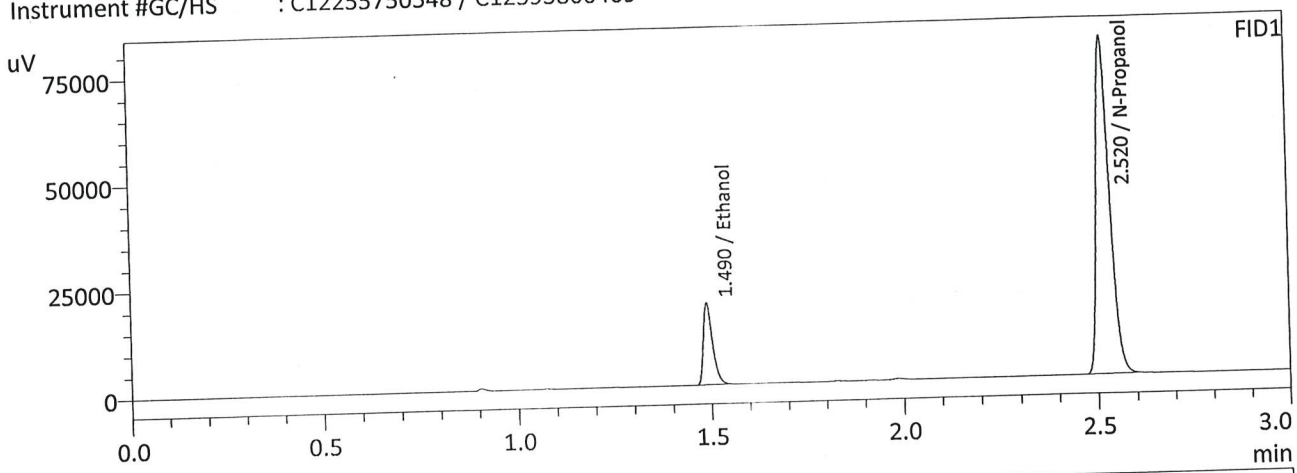
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	30653	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185639	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

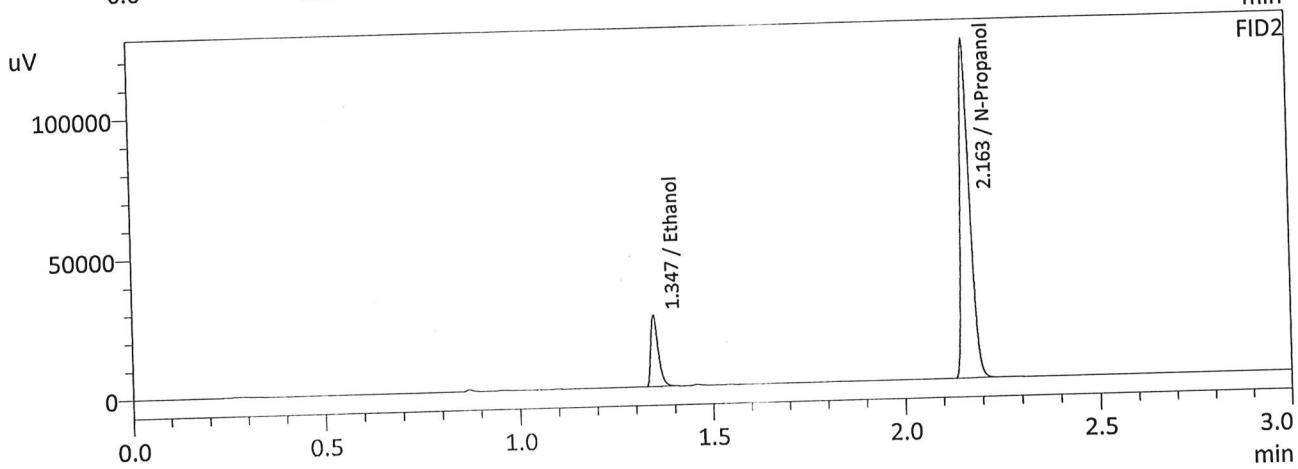
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	32964	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200548	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/21/2023 3:46:11 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0833	31832	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	185642	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0830	34275	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200777	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA **Analysis Date(s): 9/21/2023 3:54:48 PM(-06:00)**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0810	0.0002	0.0811	0.0007	0.0814
(g/100cc)	0.0818	0.0819	0.0001	0.0818		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230915.GCM.gcm

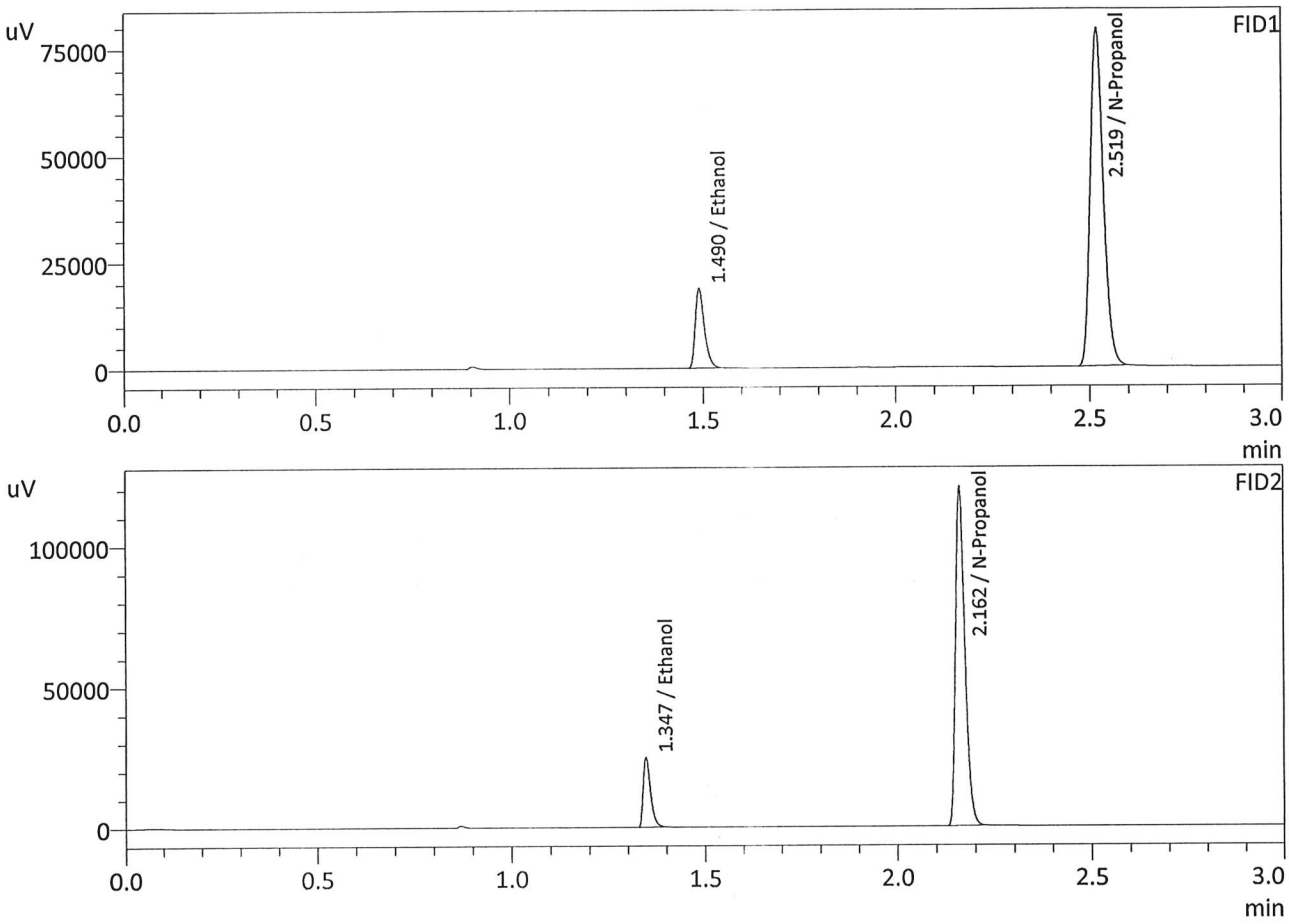
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results	
	0.081	

Calibration and control data are stored centrally.

JC

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 9/21/2023 3:54:48 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

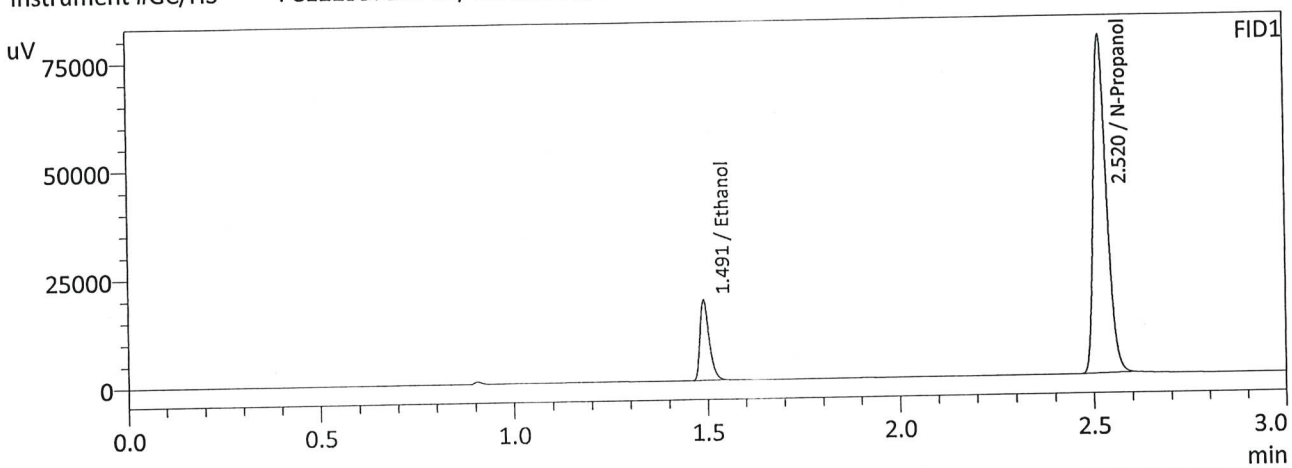
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	30880	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184811	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

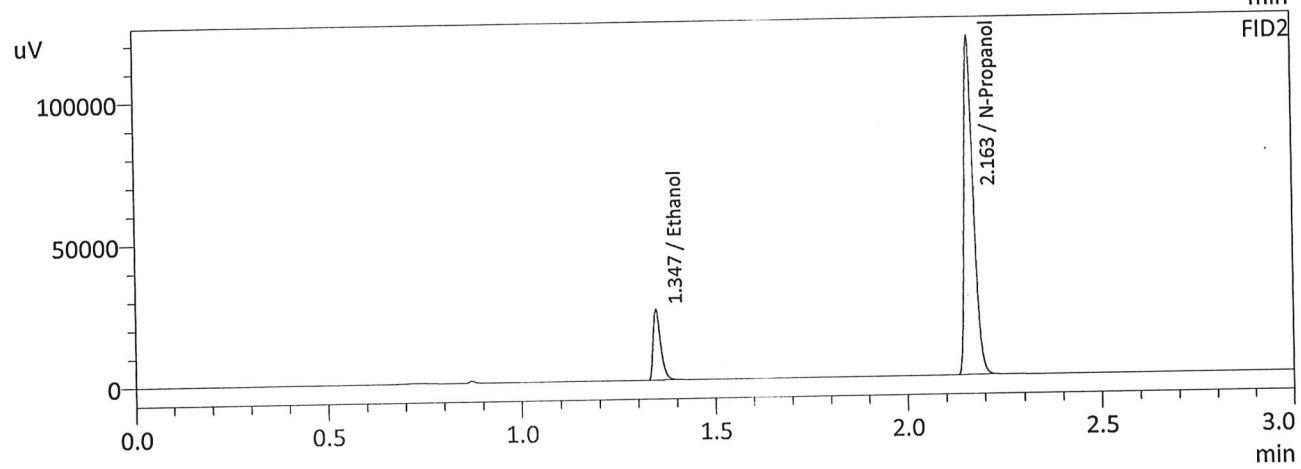
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0810	33276	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200057	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/21/2023 4:02:44 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	30793	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	182815	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	33216	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	197482	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1 Analysis Date(s): 9/21/2023 6:38:52 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2083	0.2092	0.0009	0.2087	0.0029	0.2072
(g/100cc)	0.2060	0.2056	0.0004	0.2058		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230915.GCM.gcm

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

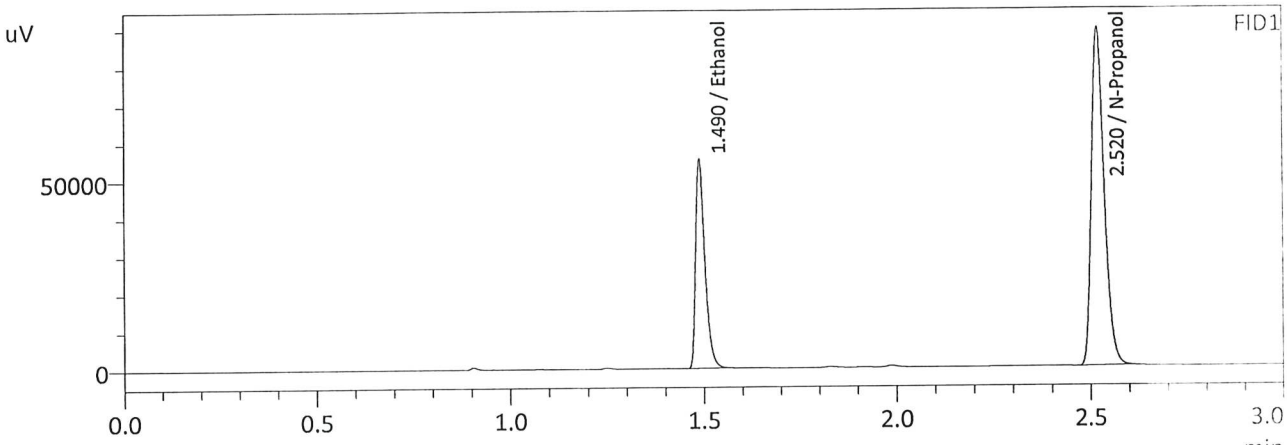
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

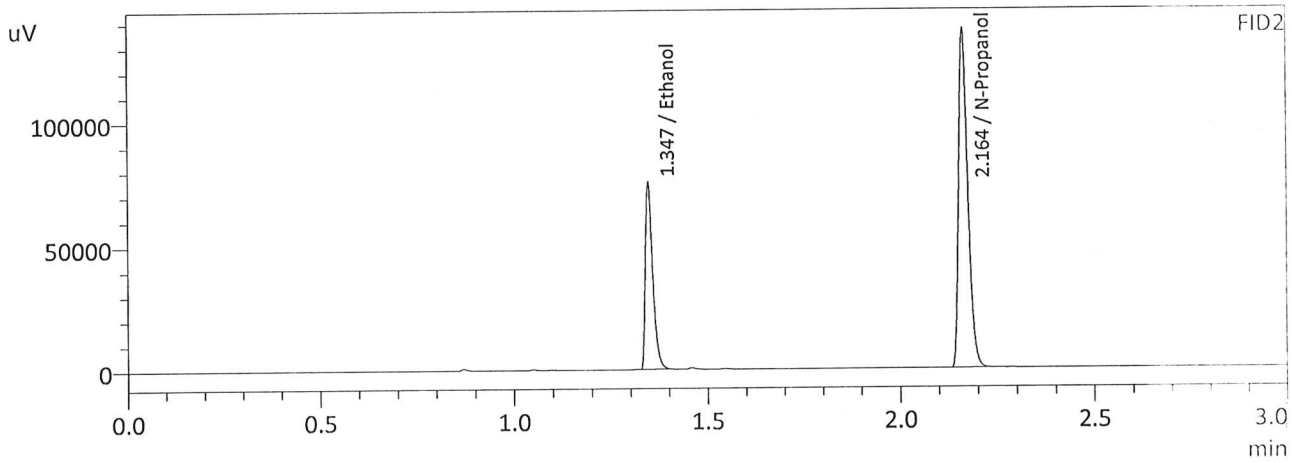
Reported Results
0.207

Calibration and control data are stored centrally.

JC

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 9/21/2023 6:38:52 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

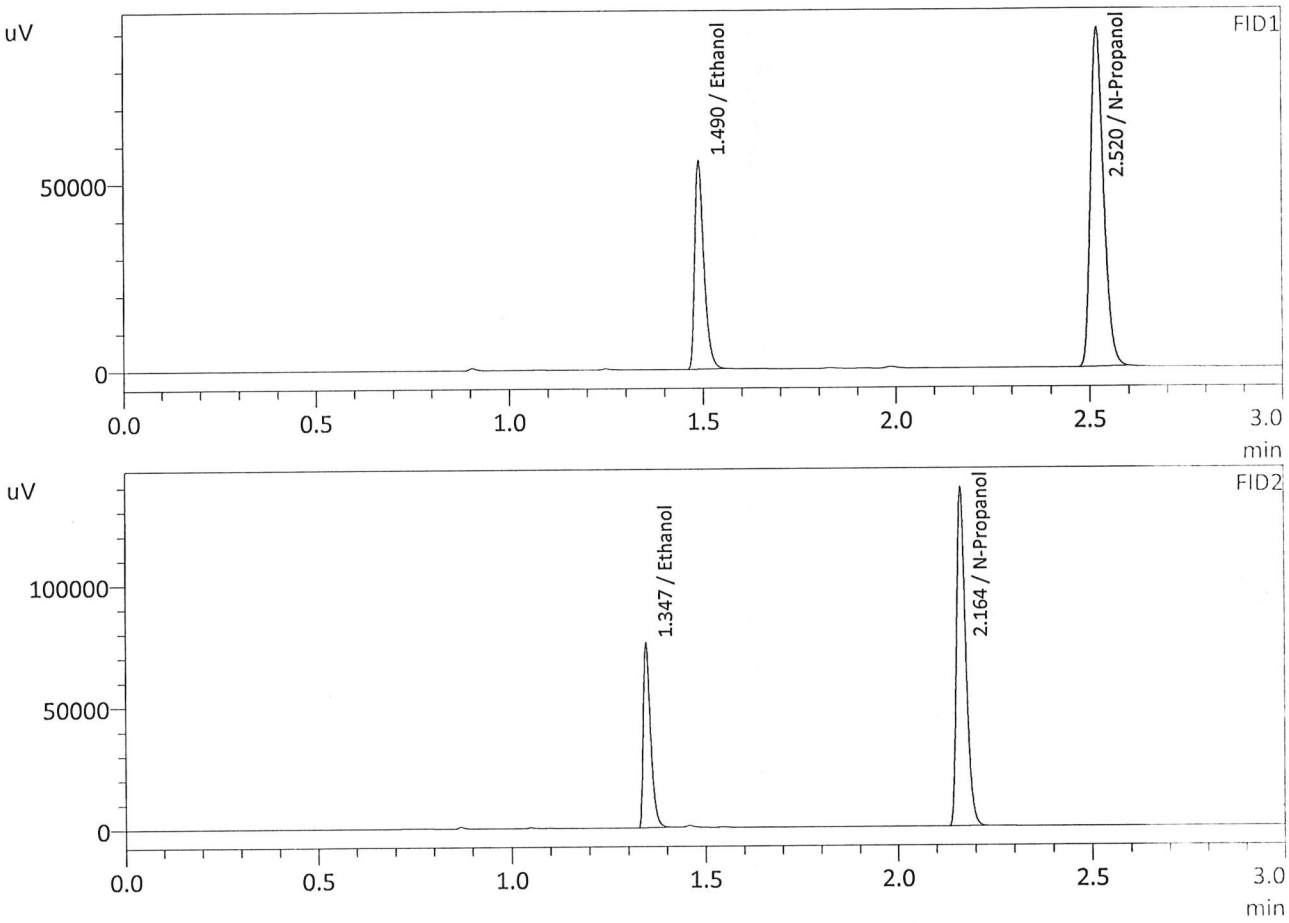
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2083	91815	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208664	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2092	100148	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	226267	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/21/2023 6:46:46 PM
Vial # : 26
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2060	91977	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211378	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2056	99701	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	229187	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2 Analysis Date(s): 9/21/2023 9:39:26 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0845	0.0844	0.0001	0.0844	0.0006	0.0841
(g/100cc)	0.0838	0.0839	0.0001	0.0838		

Analytical Method

Refer to Blood Alcohol Method #1

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230915.GCM.gcm

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

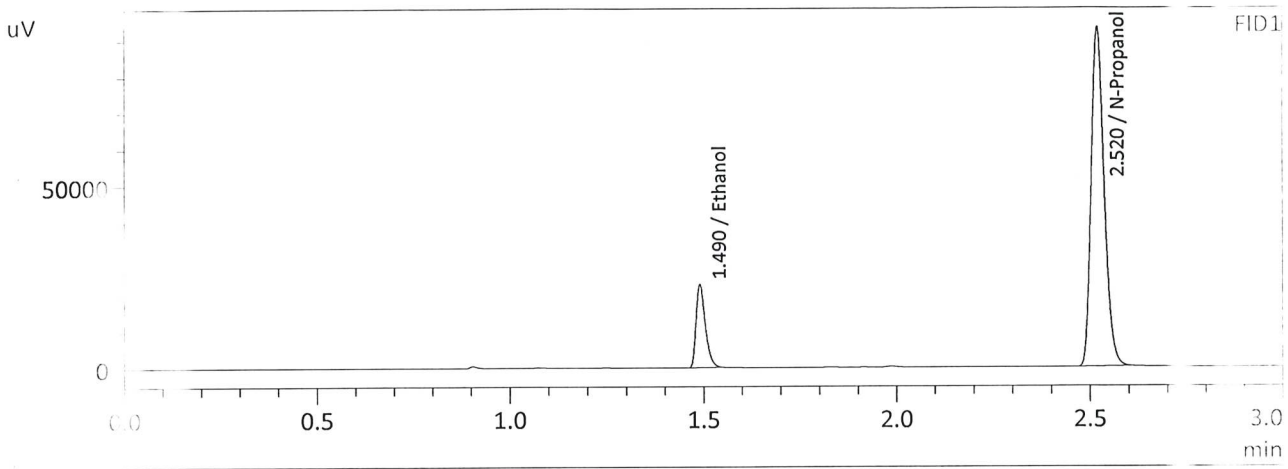
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.084	0.079	0.089	0.005

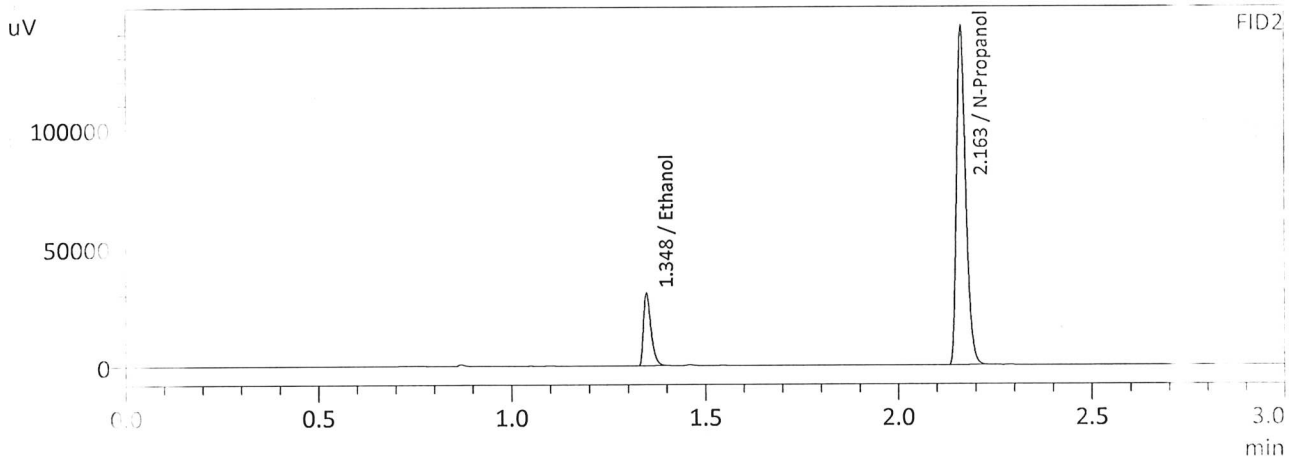
Reported Results
0.084

Calibration and control data are stored centrally.

JC

Sample Name : QC-1-2
Laboratory : Meridian
Injection Date : 9/21/2023 9:39:26 PM
Vial # : 47
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





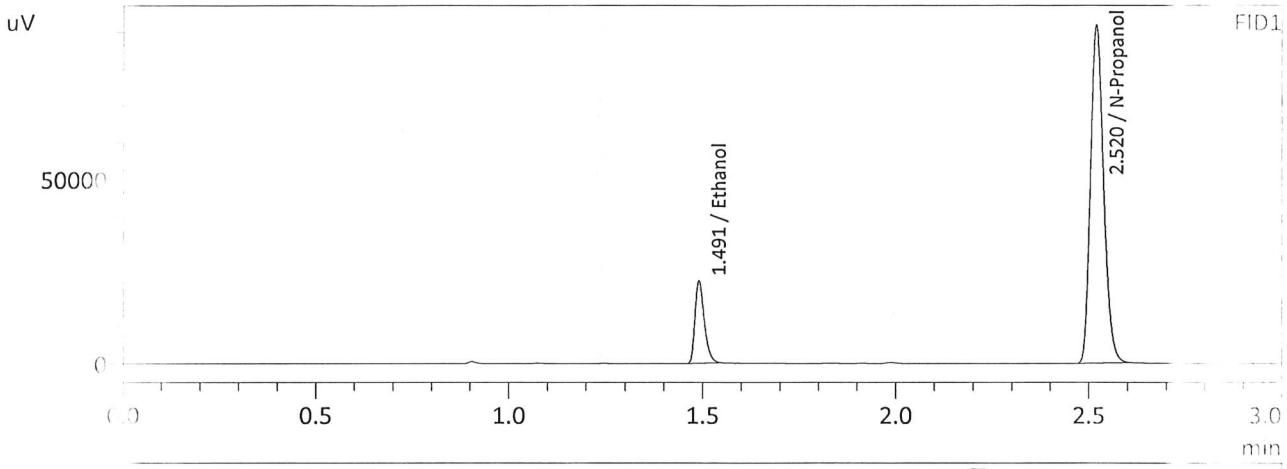
FID1

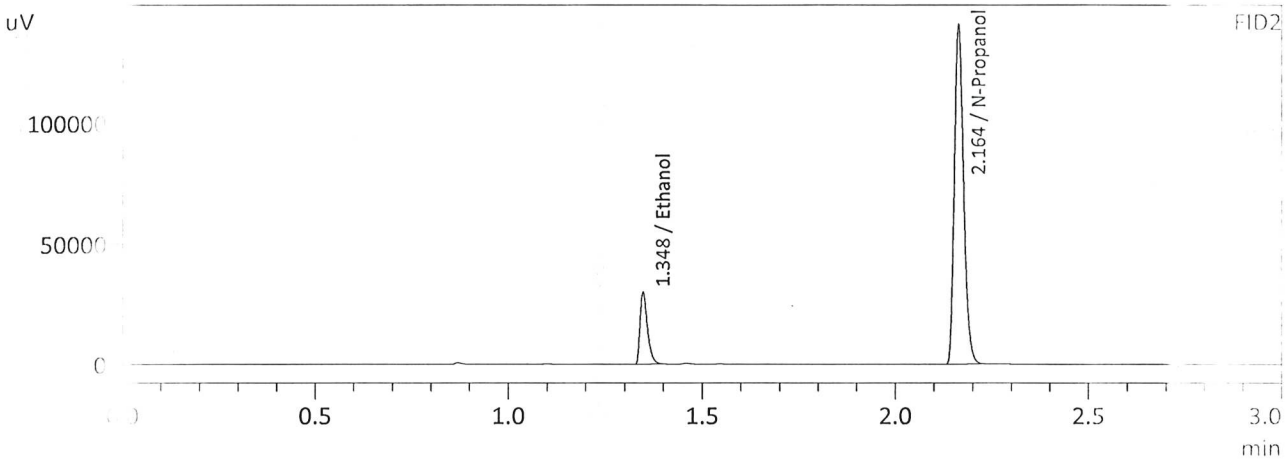
Name	Conc.	Area	Unit
Methanol	--	--	g/100c
Ethanol	0.0845	37877	g/100c
Isopropyl Alcohol	--	--	g/100c
Acetone	--	--	g/100c
N-Propanol	0.0000	217460	g/100c
Fluor. Hydrocarbon(s)	--	--	g/100c

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100c
Ethanol	0.0844	40906	g/100c
Acetone	--	--	g/100c
Isopropyl Alcohol	--	--	g/100c
N-Propanol	0.0000	235466	g/100c
Fluor. Hydrocarbon(s)	--	--	g/100c

Sample Name : QC-1-2-B
Laboratory : Meridian
Injection Date : 9/21/2023 9:49:02 PM
Vial # : 48
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100c
Ethanol	0.0838	37080	g/100c
Isopropyl Alcohol	--	--	g/100c
Acetone	--	--	g/100c
N-Propanol	0.0000	214776	g/100c
Fl[illegible] Hydrocarbon(s)	--	--	g/100c

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100c
Ethanol	0.0839	40168	g/100c
Acetone	--	--	g/100c
Isopropyl Alcohol	--	--	g/100c
N-Propanol	0.0000	232803	g/100c
Fl[illegible] Hydrocarbon(s)	--	--	g/100c

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-2

Analysis Date(s): 9/21/2023 11:03:33 PM(-06:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2065	0.2063	0.0002	0.2064	0.0026	0.2077
(g/100cc)	0.2092	0.2088	0.0004	0.2090		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230915.GCM.gcm

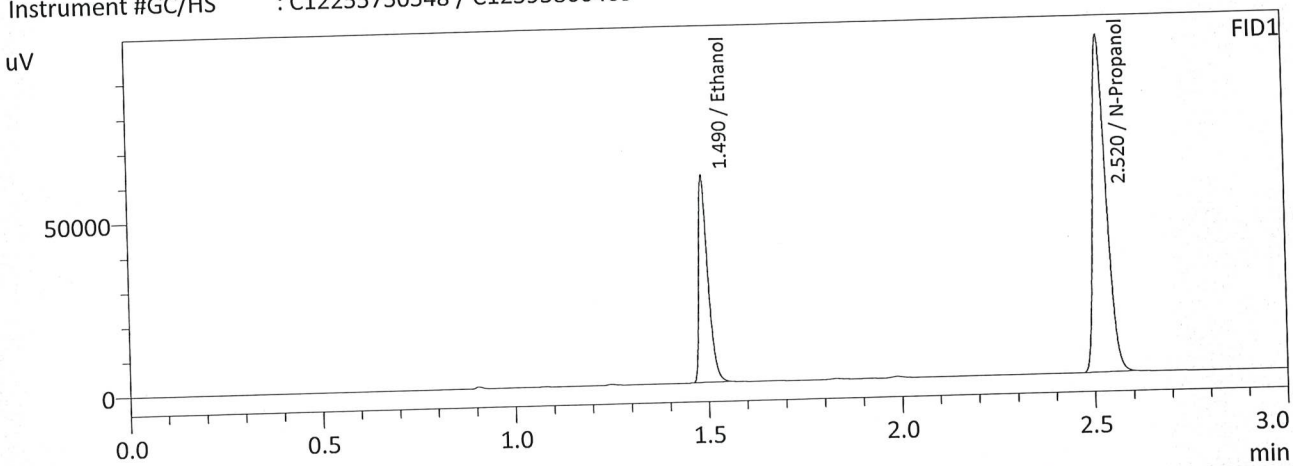
Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.207	0.196	0.218	0.011

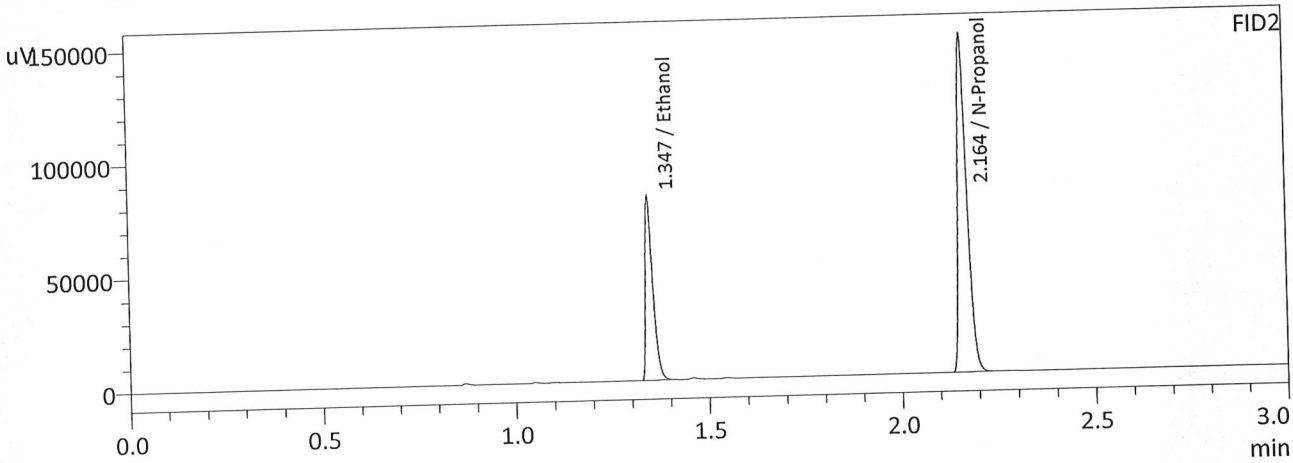
Reported Results
0.207

Calibration and control data are stored centrally.

JC

Sample Name : QC-2-2
Laboratory : Meridian
Injection Date : 9/21/2023 11:03:33 PM
Vial # : 57
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

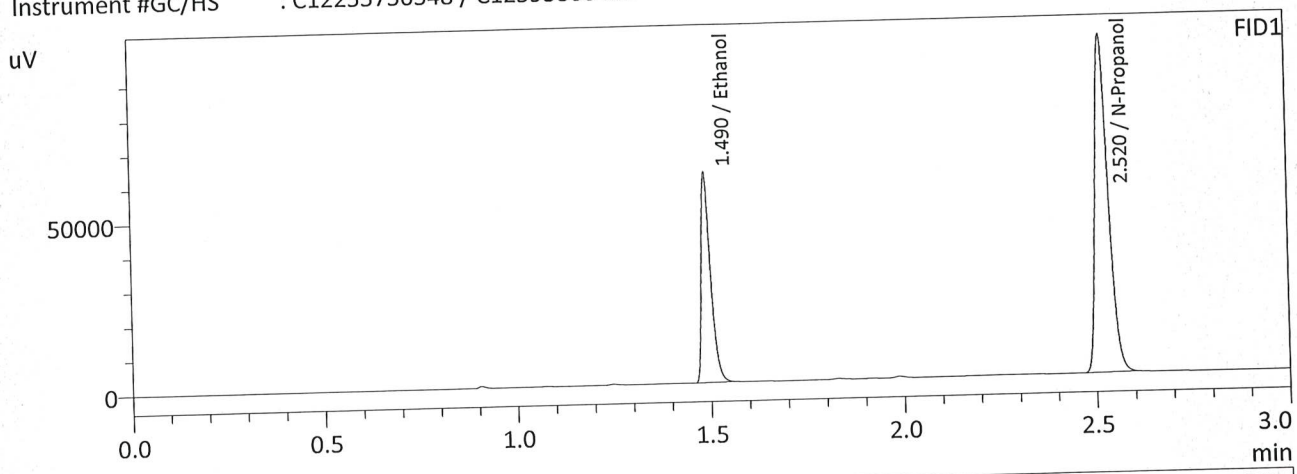
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2065	99113	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227310	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

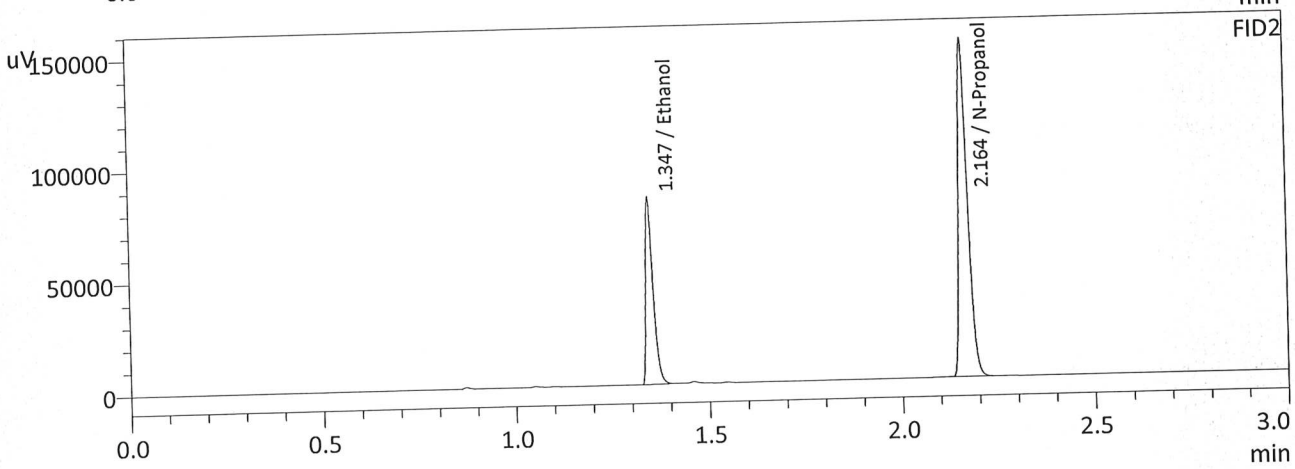
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2063	107456	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	246216	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-2-B
Laboratory : Meridian
Injection Date : 9/21/2023 11:10:47 PM
Vial # : 58
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

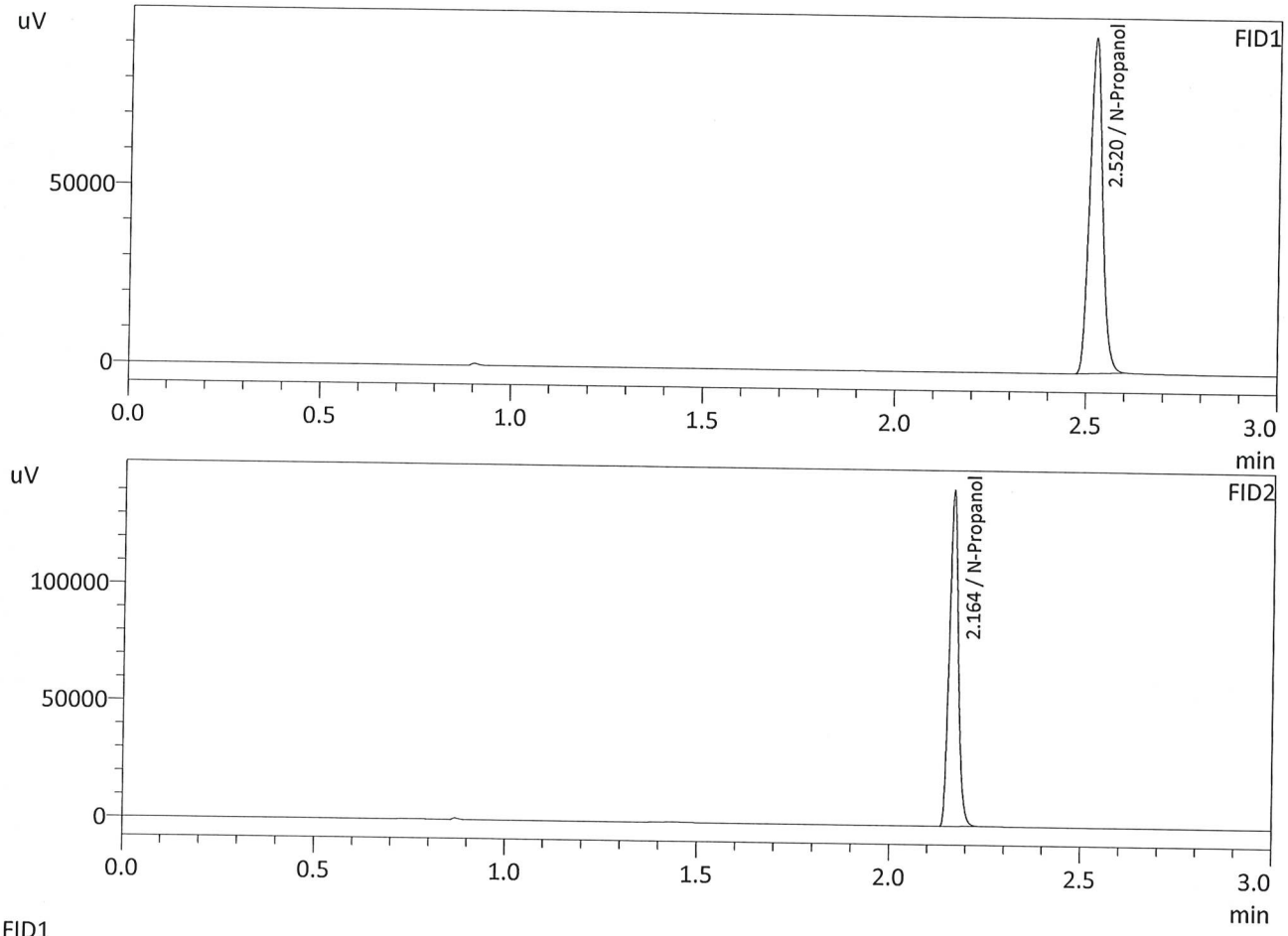
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2092	101767	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230277	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2088	110293	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249642	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : ISTD BLK 2
Laboratory : Meridian
Injection Date : 9/21/2023 11:18:42 PM
Vial # : 59
Method Filename : Default Project - ALCOHOL_230915.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	219557	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	238049	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

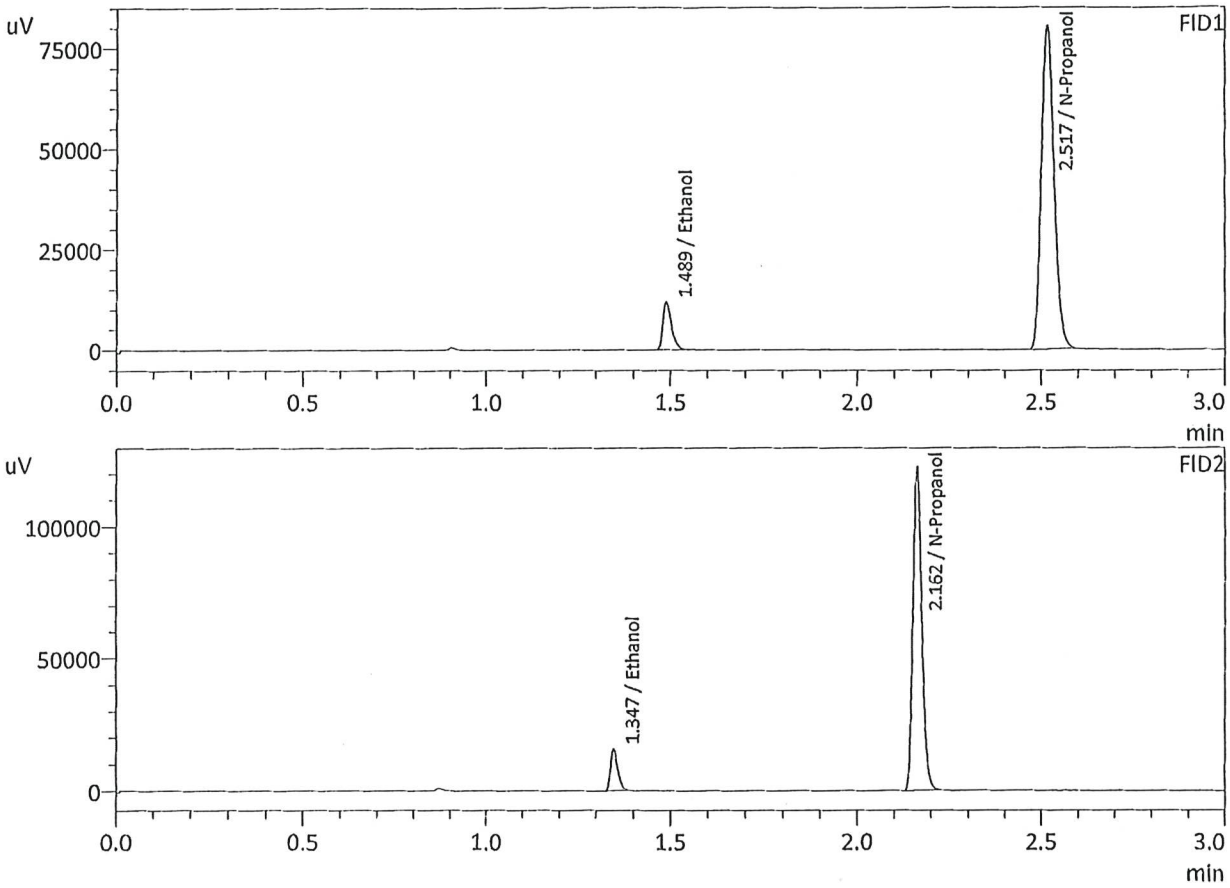
Meridian Blood Alcohol Analysis Batch Table

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	ISTD BLK 1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230915.GCM.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230915.GCM.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
7	M2023-3999-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
8	M2023-3999-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
9	M2023-4009-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
10	M2023-4009-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
11	M2023-4012-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
12	M2023-4012-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
13	M2023-4013-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
14	M2023-4013-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
15	M2023-4025-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
16	M2023-4025-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
17	M2023-4026-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
18	M2023-4026-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
19	M2023-4027-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
20	M2023-4027-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
21	M2023-4028-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
22	M2023-4028-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
23	M2023-4028-2	0:Unknown	0	ALCOHOL 230915.GCM.gcm
24	M2023-4028-2-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
27	M2023-4028-3	0:Unknown	0	ALCOHOL 230915.GCM.gcm
28	M2023-4028-3-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
29	M2023-4028-4	0:Unknown	0	ALCOHOL 230915.GCM.gcm
30	M2023-4028-4-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
31	M2023-4076-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
32	M2023-4076-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
33	M2023-4079-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
34	M2023-4079-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
35	M2023-4090-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
36	M2023-4090-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
37	M2023-4091-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
38	M2023-4091-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
39	M2023-4092-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
40	M2023-4092-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
41	M2023-4093-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
42	M2023-4093-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
43	M2023-4094-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
44	M2023-4094-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
45	M2023-4099-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
46	M2023-4099-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 230915.GCM.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
49	M2023-4100-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
50	M2023-4100-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
51	M2023-4123-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
52	M2023-4123-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
53	M2023-4124-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
54	M2023-4124-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
55	M2023-4125-1	0:Unknown	0	ALCOHOL 230915.GCM.gcm
56	M2023-4125-1-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
57	QC-2-2	0:Unknown	0	ALCOHOL 230915.GCM.gcm
58	QC-2-2-B	0:Unknown	0	ALCOHOL 230915.GCM.gcm
59	ISTD BLK 2	0:Unknown	0	ALCOHOL 230915.GCM.gcm

JC

Sample Name	: 0.050
Laboratory	: Meridian
Injection Date	: 9/15/2023 12:55:55 PM
Vial #	: 1
Method Filename	: Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS	: C12255750548 / C12595800409



FID1

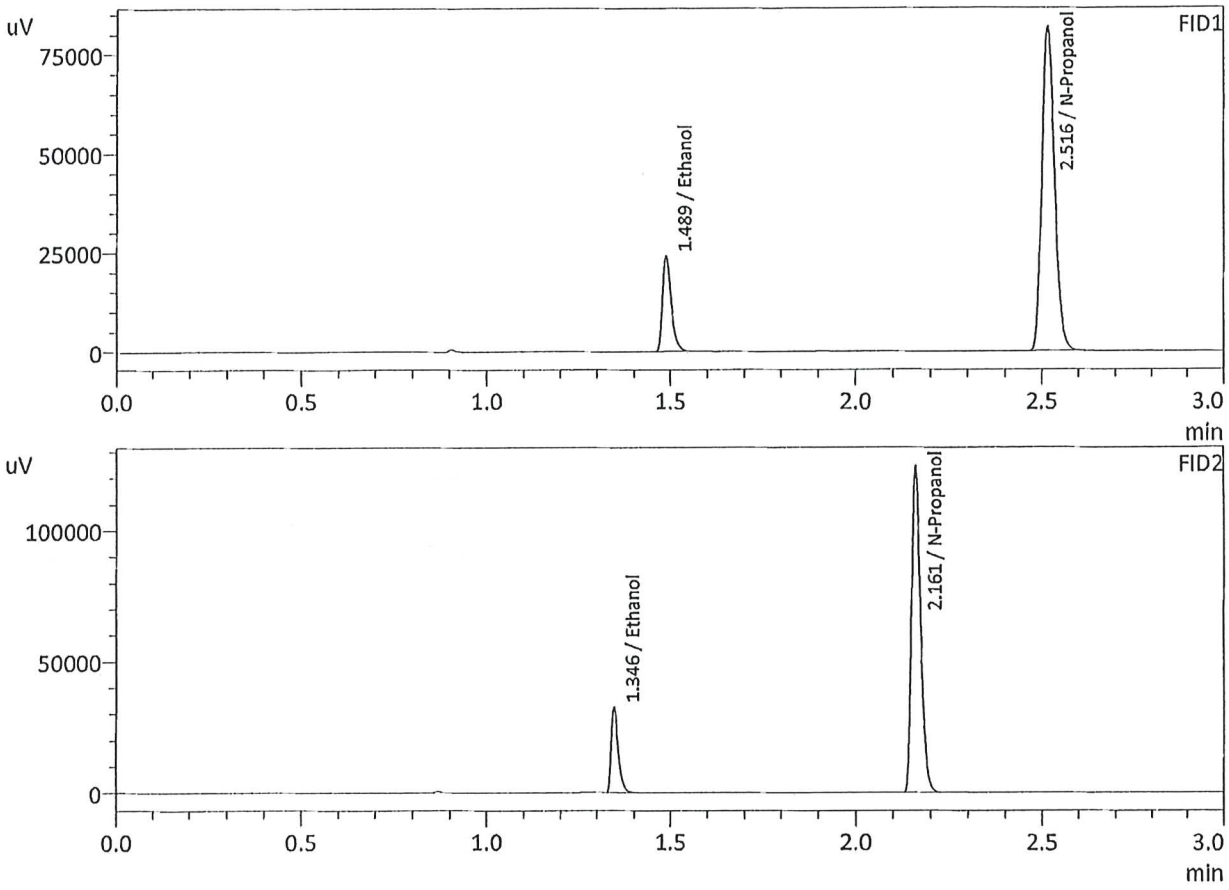
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	19582	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187427	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0520	21053	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202748	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/15/2023 1:03:17 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



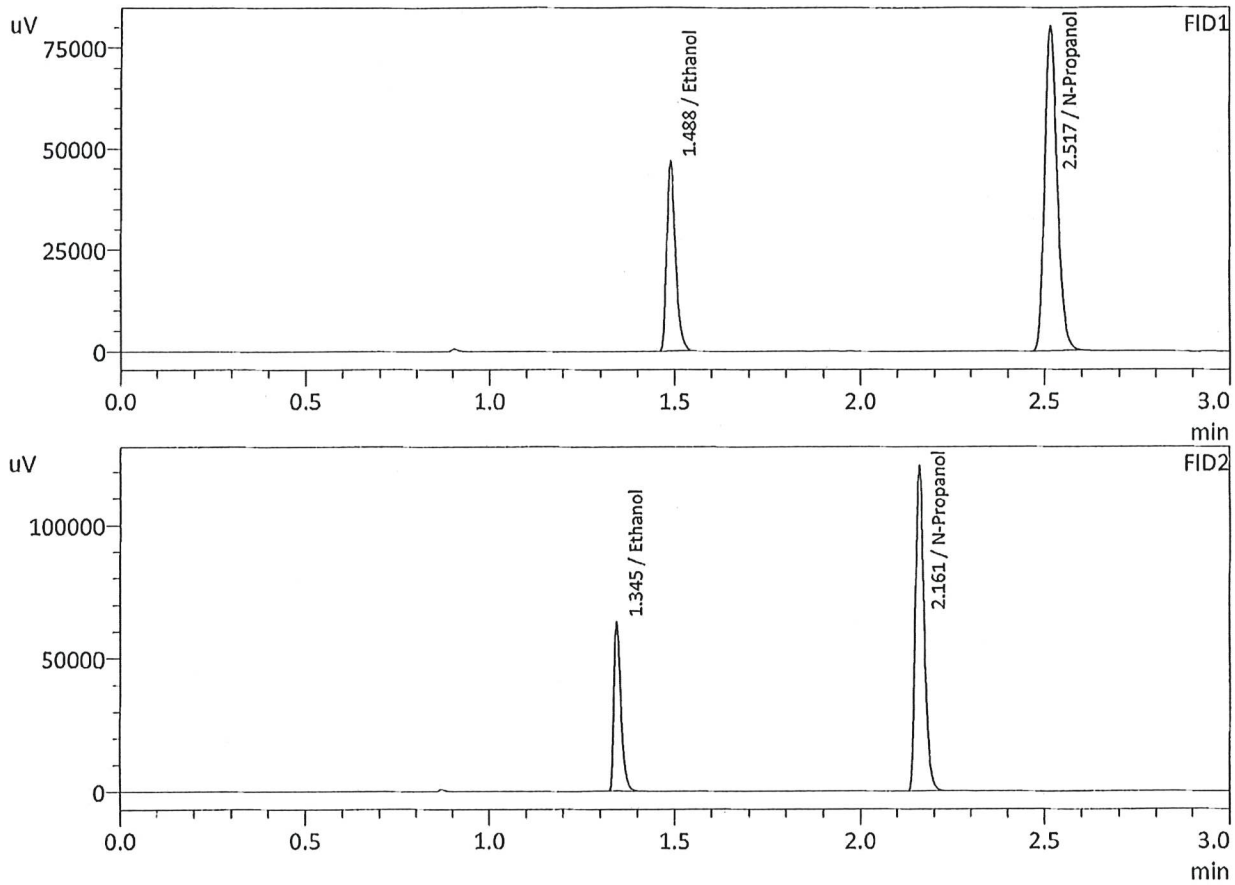
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1006	39714	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190305	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1008	43051	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206039	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 9/15/2023 1:10:39 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

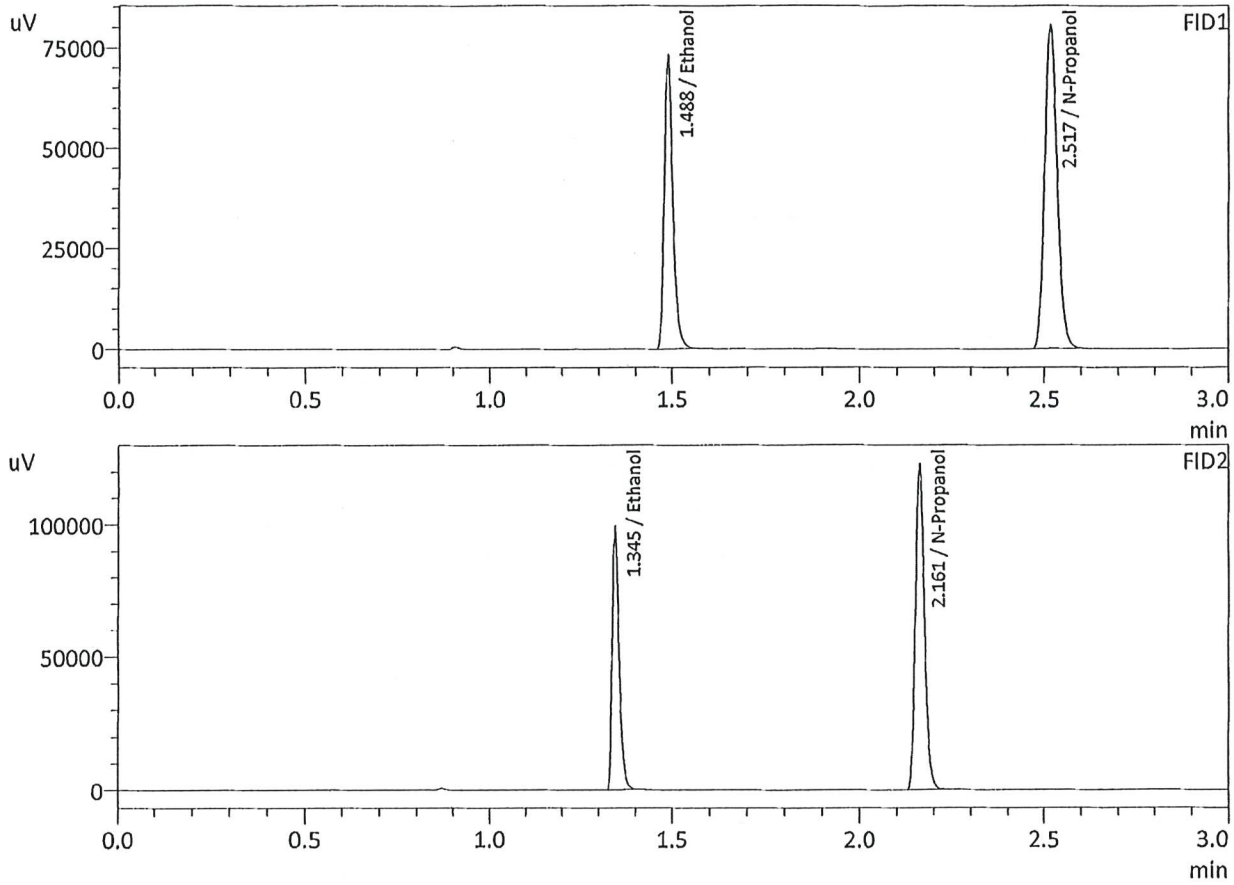
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1951	77081	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187249	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1950	83551	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202700	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/15/2023 1:19:25 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409



FID1

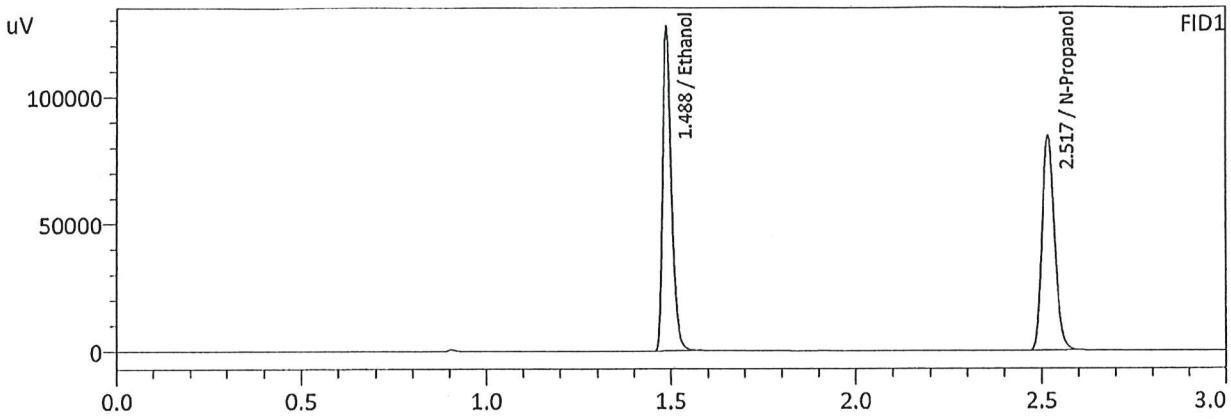
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3012	120214	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187999	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

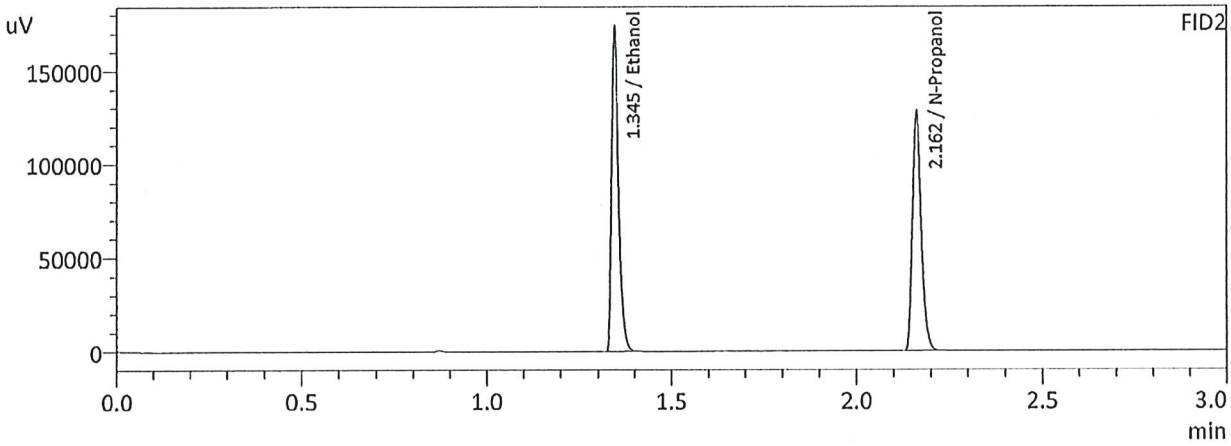
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3010	130362	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203494	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/15/2023 1:28:04 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_230915.GCM.gcm
Instrument #GC/HS : C12255750548 / C12595800409





FID1

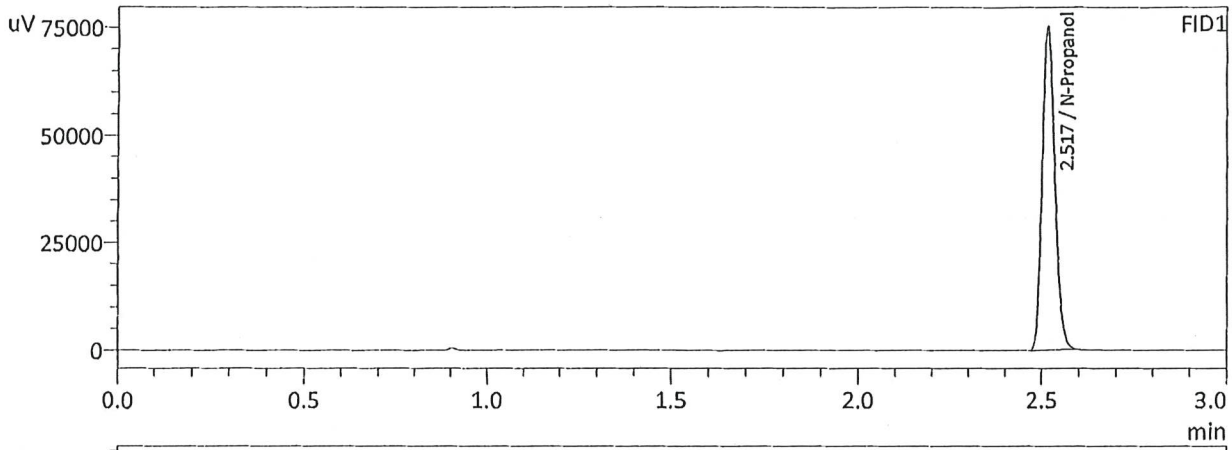
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5008	209796	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196428	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

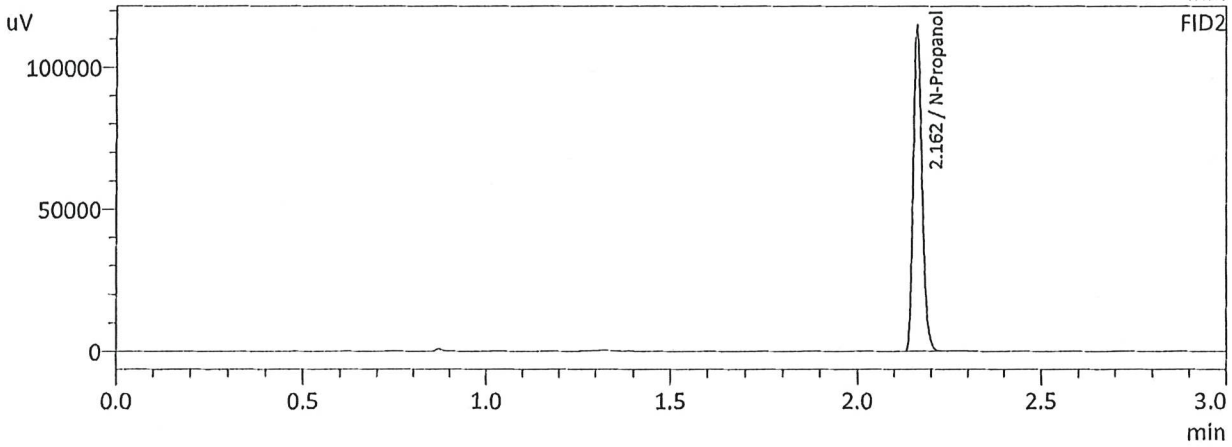
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5009	228043	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212795	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 9/15/2023 1:35:24 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_230915.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	175525	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

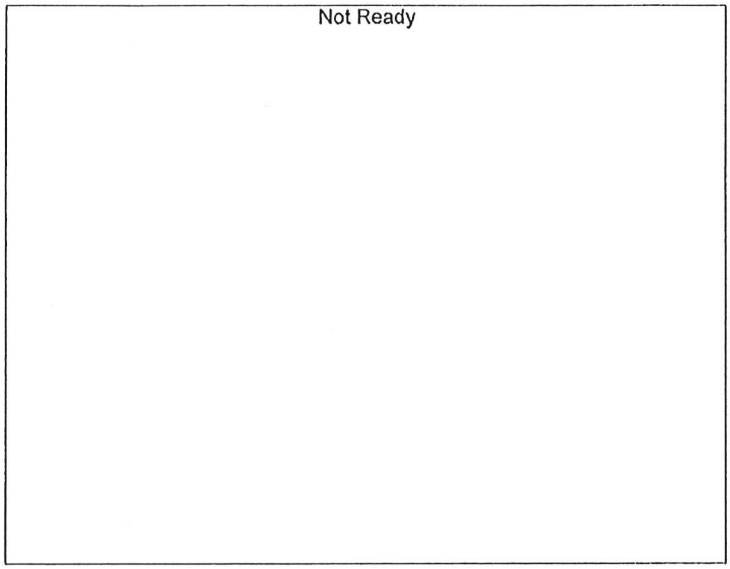
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	190352	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Calibration Table

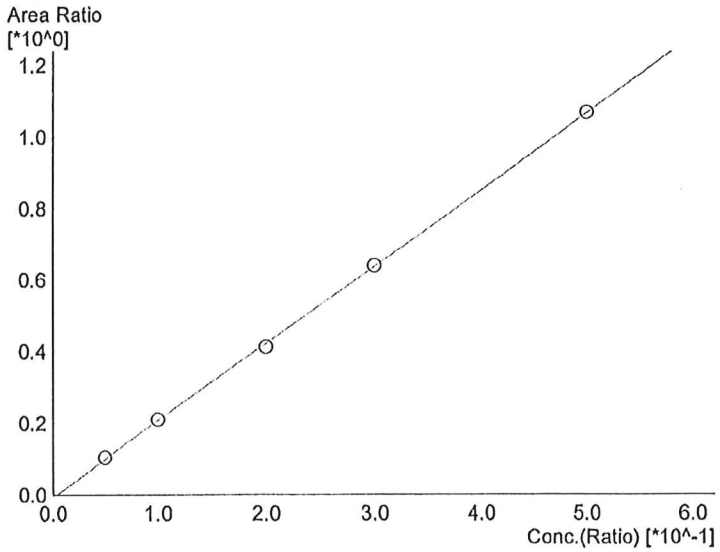
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_230915.GCM.gcm
Batch File :Default Project - CALCURVE_230915.gcb
Date Acquired :9/15/2023 1:28:04 PM
Date Created :9/15/2023 1:22:29 PM
Date Modified :9/15/2023 1:31:06 PM



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

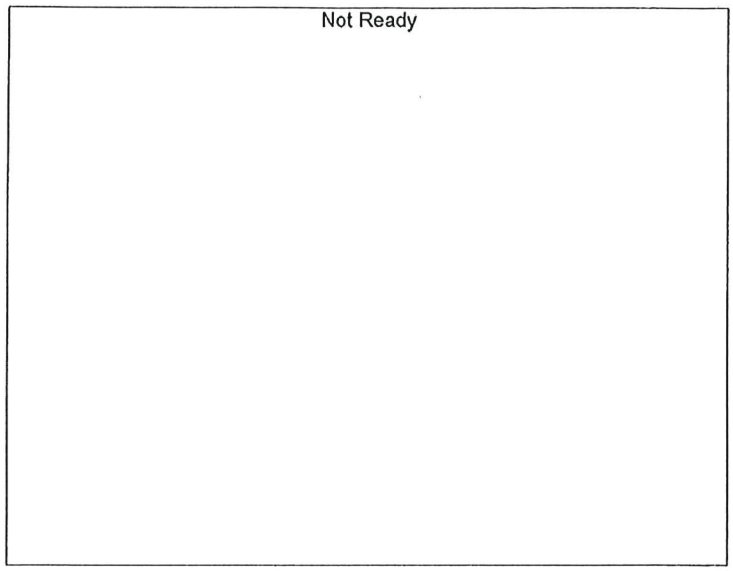
#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.14728*x-0.00741126
R^2 value= 0.9997614
FitType: Linear
ZeroThrough: Not Through

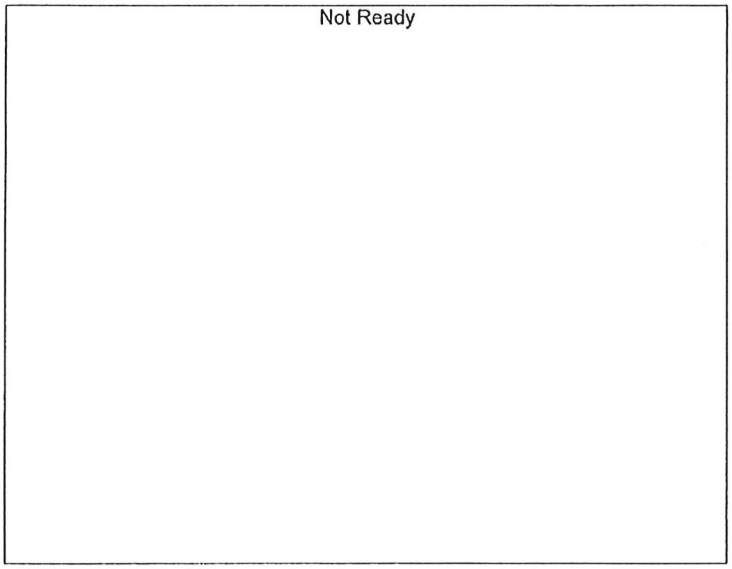
#	Conc.	Area	Std. Conc.
1	0.050	19582	0.0521
2	0.100	39714	0.1006
3	0.200	77081	0.1951
4	0.300	120214	0.3012
5	0.500	209796	0.5008

JV



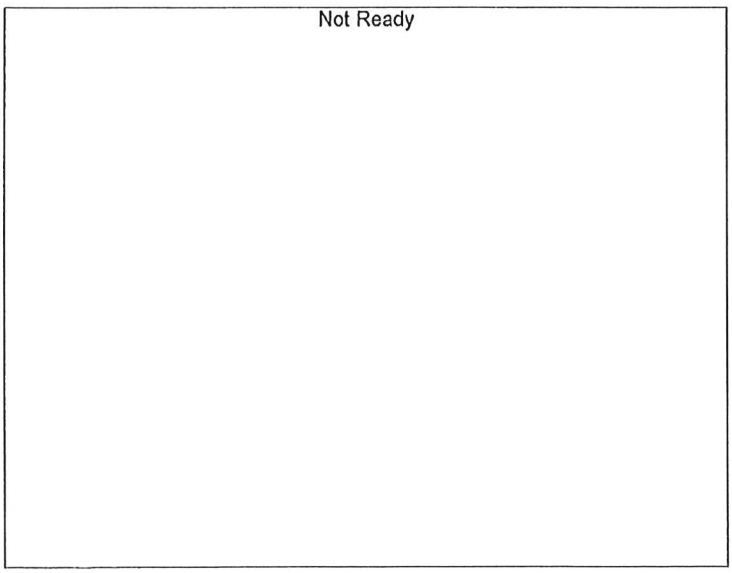
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



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

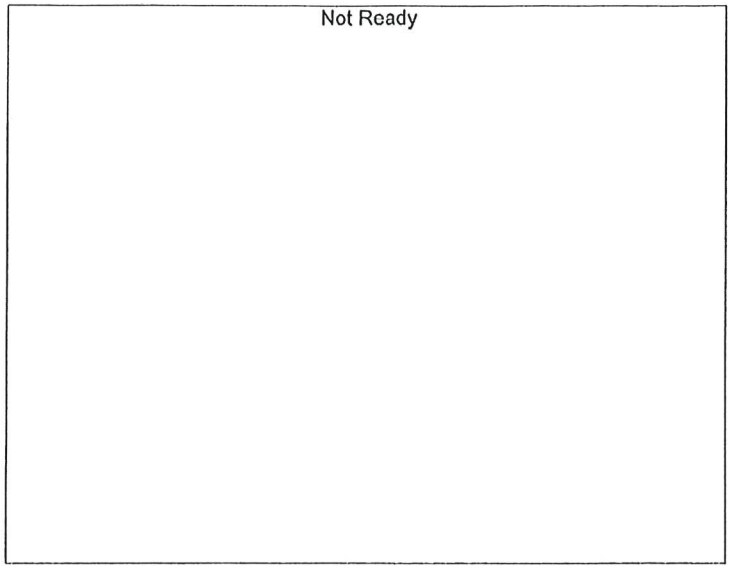
#	Conc.	Area	Std. Conc.



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

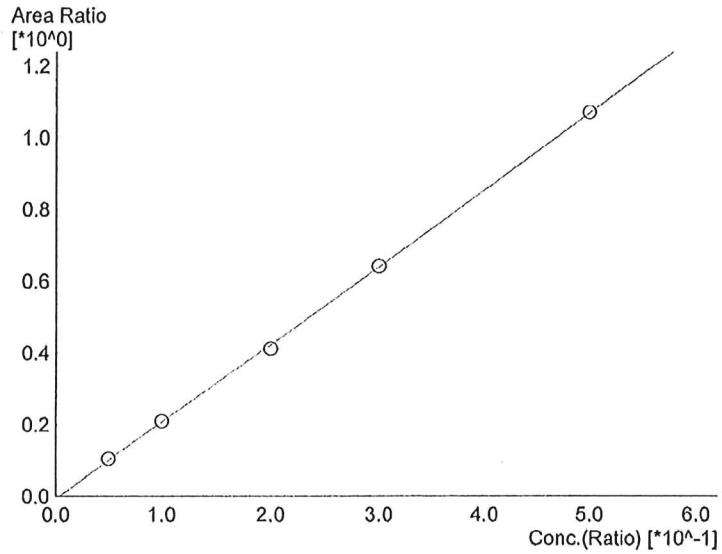
#	Conc.	Area	Std. Conc.

Ju



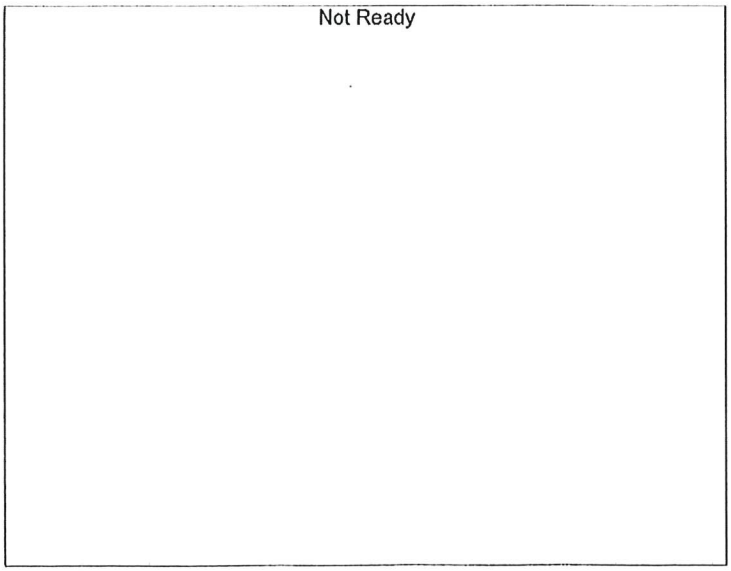
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



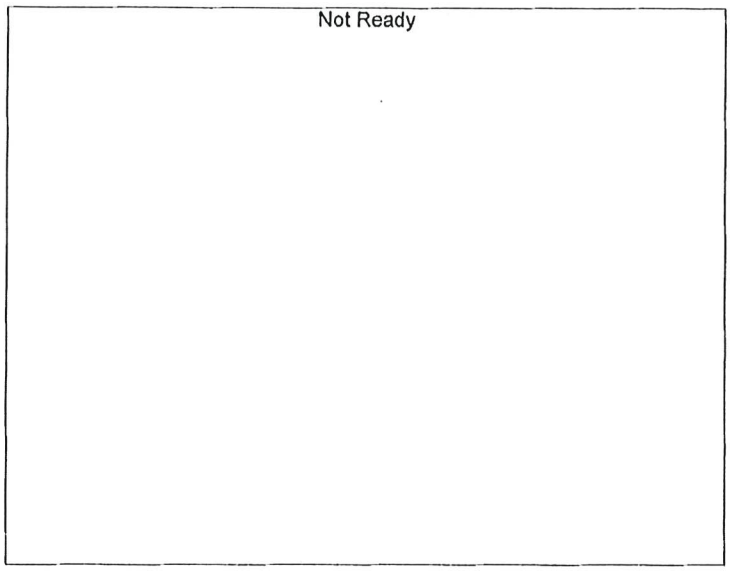
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.15602*x-0.00843521
R^2 value= 0.9997572
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21053	0.0520
2	0.100	43051	0.1008
3	0.200	83551	0.1950
4	0.300	130362	0.3010
5	0.500	228043	0.5009



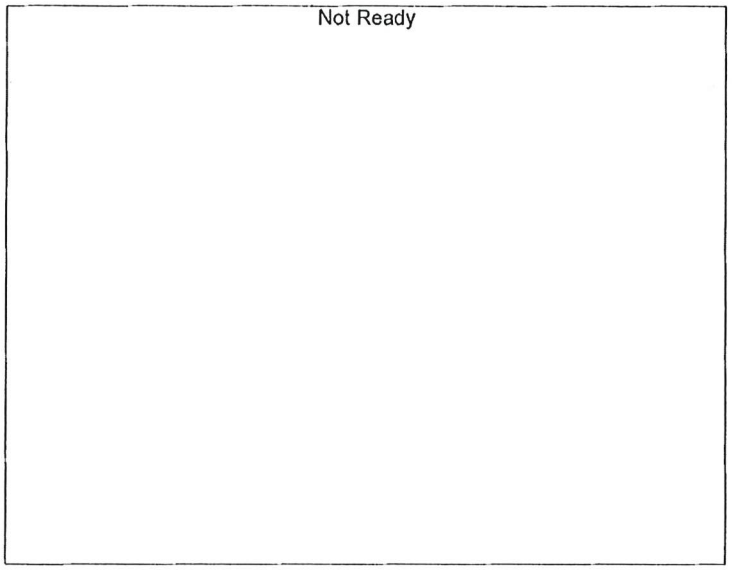
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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 230915.GCM.gcm
2	0.100	1:Standard	2	ALCOHOL 230915.GCM.gcm
3	0.200	1:Standard	3	ALCOHOL 230915.GCM.gcm
4	0.300	1:Standard	4	ALCOHOL 230915.GCM.gcm
5	0.500	1:Standard	5	ALCOHOL 230915.GCM.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230915.GCM.gcm

JC