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):** 2/2/2023 | **Calibration Date:** *(if different)* 1/20/23 | **Worklist #:** 6235

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
					0.0827 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2151 g/100cc
					0.2134 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99962	Column2	0.99964

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0545	0.0544	0.0001	0.0544
100	0.100	0.090 - 0.110	0.0988	0.0987	0.0001	0.0987
200	0.200	0.180 - 0.220	0.1961	0.1961	0	0.1961
300	0.300	0.270 - 0.330	0.2979	0.2982	0.0003	0.298
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5025	0.5023	0.0002	0.5024

Aqueous Controls

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

REVIEWED
By Jeremy Johnston at 1:31 pm, Feb 06, 2023

JC

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

Internal Standard Monitoring Worksheet

Worklist #: 6235 **Run Date(s):** 2/2/2023

Internal Standard Solution:	Prep Date: 12/8/2022	Exp Date: 6/8/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	204499	221874
0.080	193537	210125
QC1	193848	210244
QC1	196572	213372
QC1	232192	252791
QC1	233620	254386
QC1		
QC1		
QC2	218376	237485
QC2	229503	249547
QC2	234708	255342
QC2	240853	262092
QC2		
QC2		

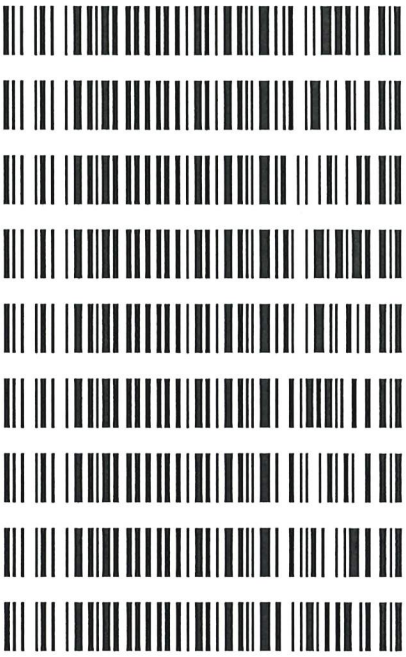
	Average	(-)20%	(+)20%
Column 1	217770.8	174216.6	261325.0
Column 2	236725.8	189380.6	284071.0

JG

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

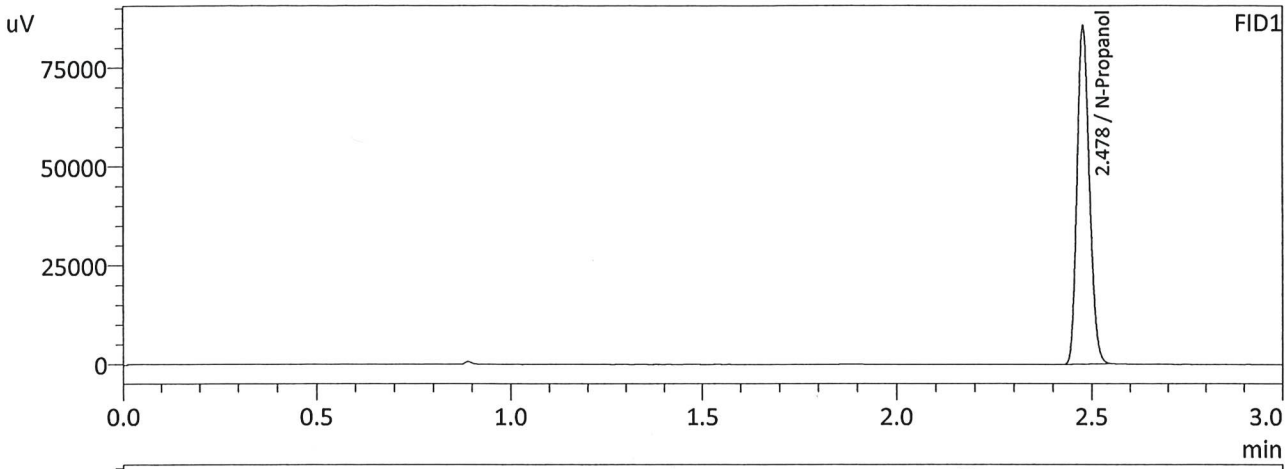
Worklist: 6235

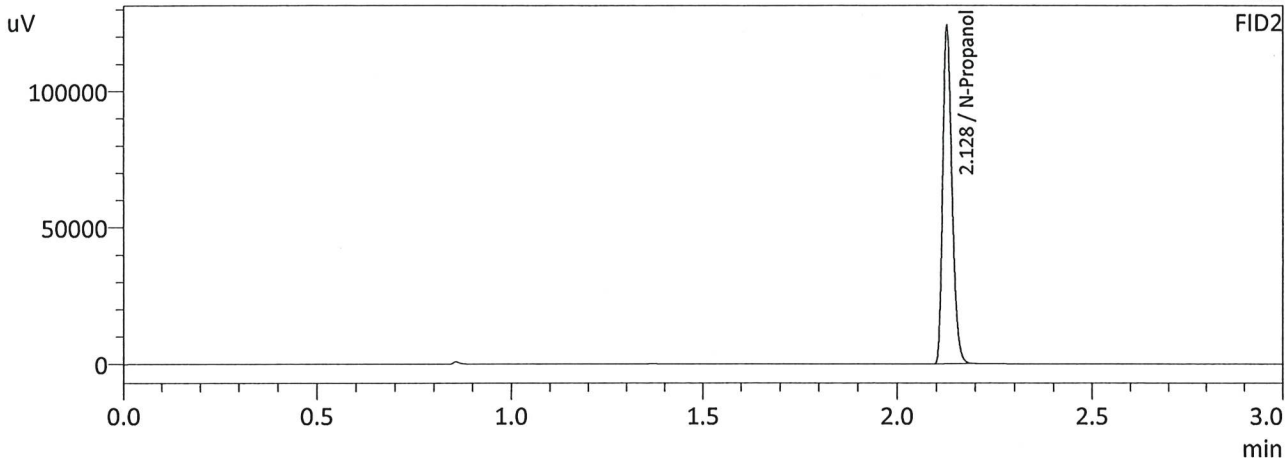
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-0394	1	BCK	Alcohol Analysis
M2023-0395	1	BCK	Alcohol Analysis
M2023-0436	1	BCK	Alcohol Analysis
M2023-0446	1	BCK	Alcohol Analysis
M2023-0447	1	BCK	Alcohol Analysis
M2023-0464	1	BCK	Alcohol Analysis
M2023-0465	1	BCK	Alcohol Analysis
M2023-0466	1	BCK	Alcohol Analysis
M2023-0475	1	BCK	Alcohol Analysis



JC

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 2/2/2023 10:13:58 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





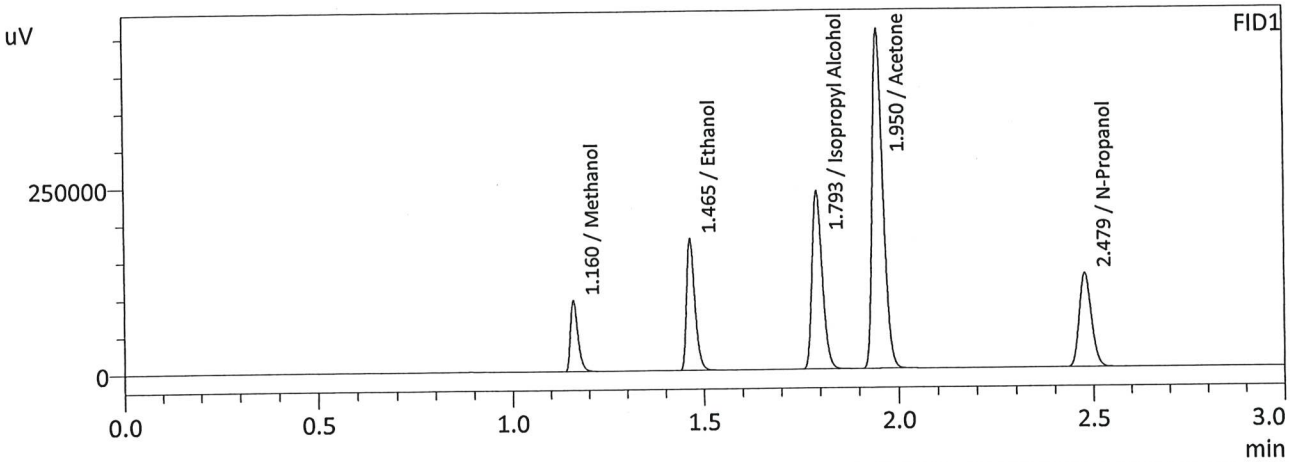
FID1

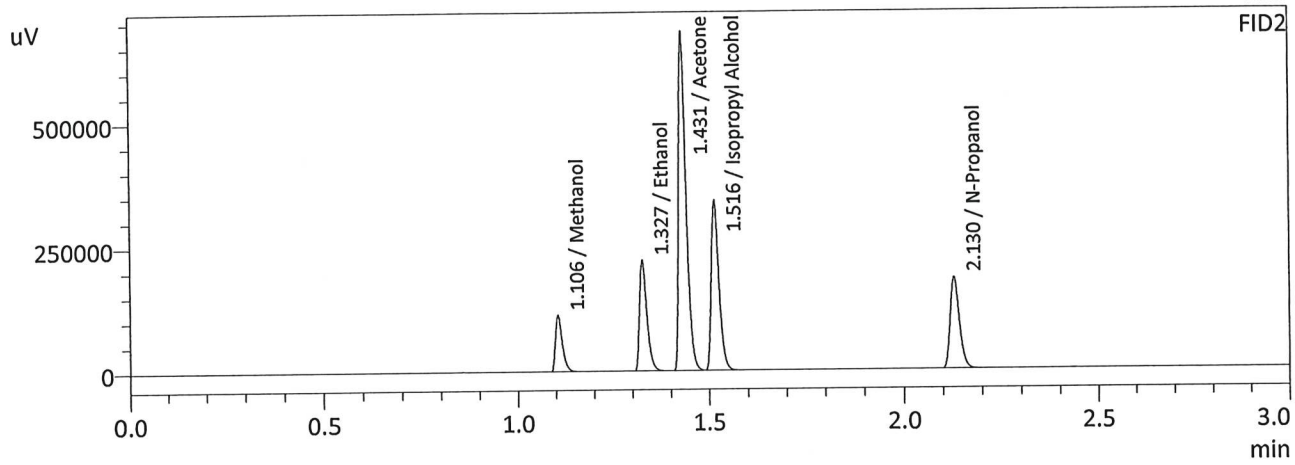
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189374	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205462	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 2/2/2023 10:21:19 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	129396	g/100cc
Ethanol	0.4540	269955	g/100cc
Isopropyl Alcohol	0.0000	437139	g/100cc
Acetone	0.0000	843277	g/100cc
N-Propanol	0.0000	276951	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	140481	g/100cc
Ethanol	0.4543	292438	g/100cc
Acetone	0.0000	914082	g/100cc
Isopropyl Alcohol	0.0000	473696	g/100cc
N-Propanol	0.0000	299945	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Item #** **Analysis Date(s): 2/2/23**

	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	0.0002	0.0801
(g/100cc)	0.0801	0.0799	0.0002	0.0800		

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

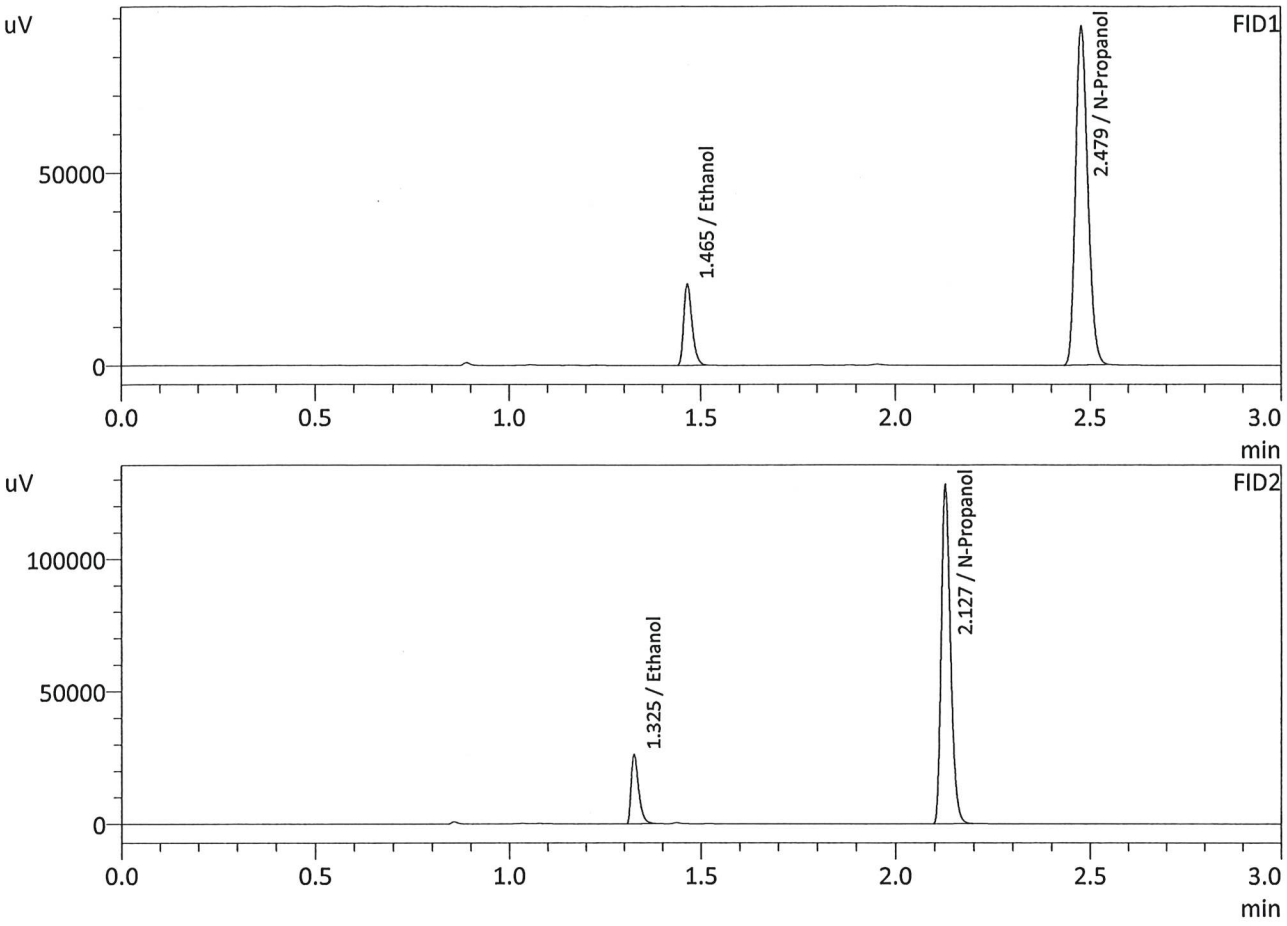
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 2/2/2023 10:28:57 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

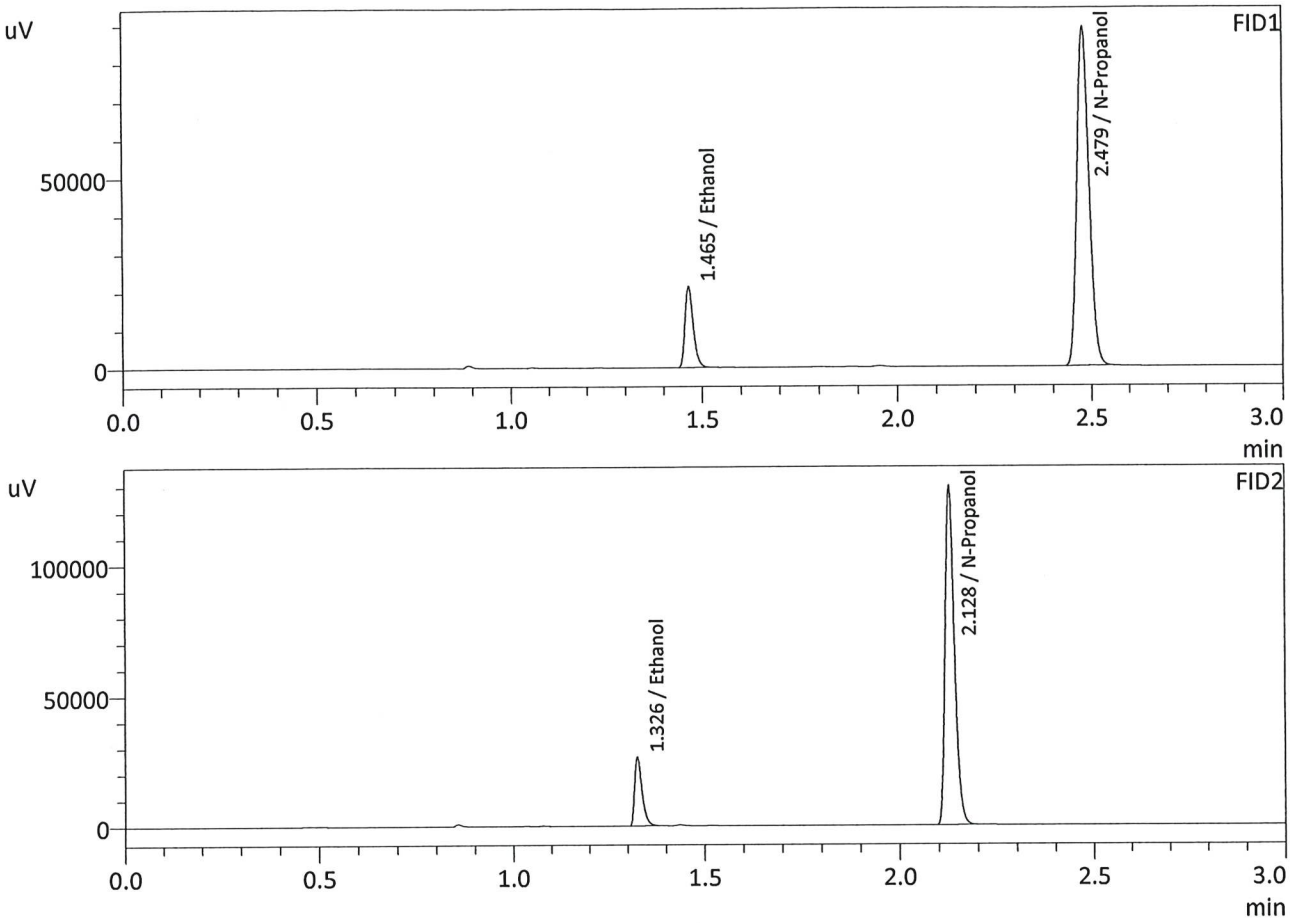
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0803	32434	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193848	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	34918	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210244	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 2/2/2023 10:37:41 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	32825	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196572	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0799	35334	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213372	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Item #** **Analysis Date(s): 2/2/23**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0799	0.0797	0.0002	0.0798	0.0010	0.0803
(g/100cc)	0.0809	0.0807	0.0002	0.0808		

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

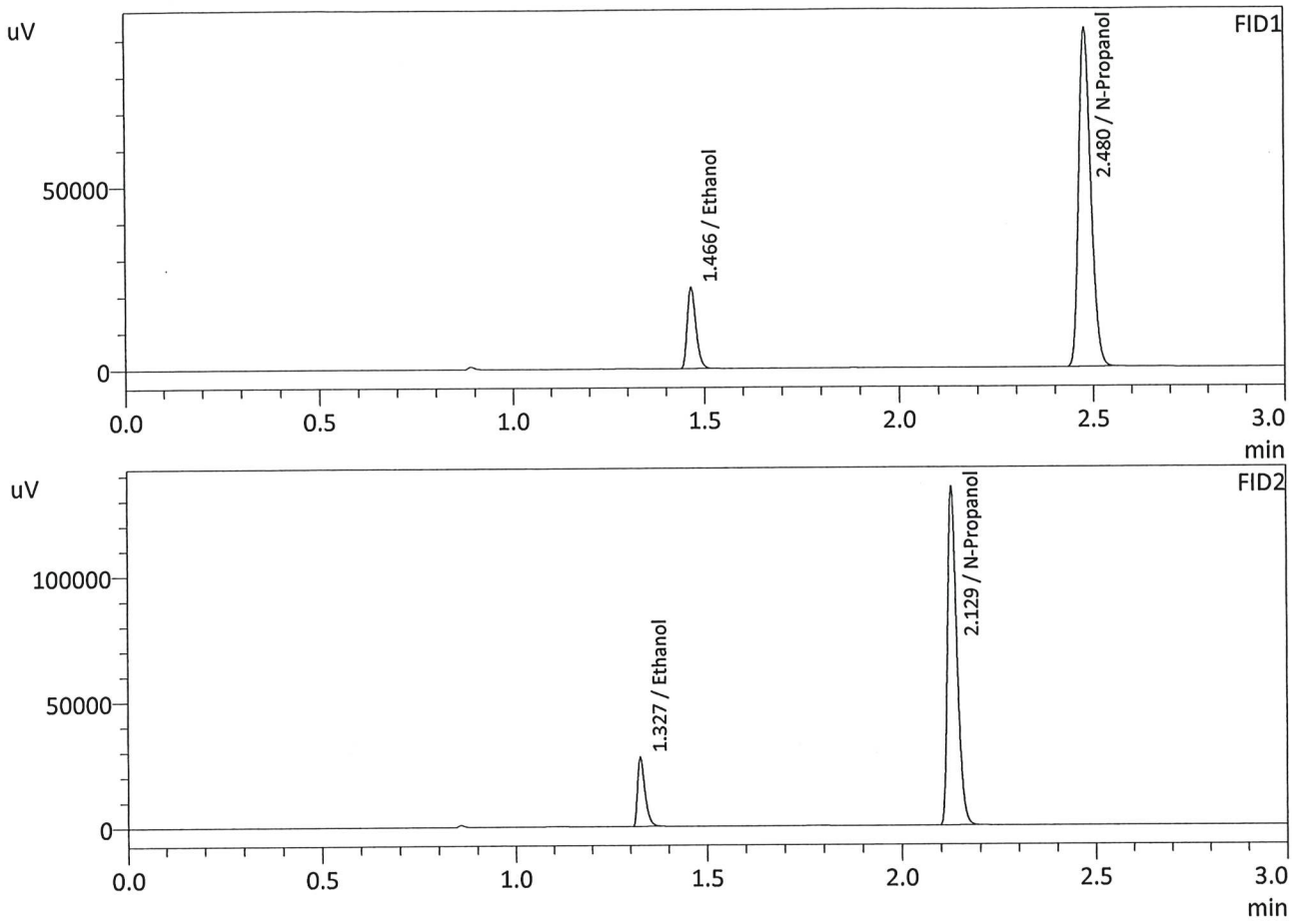
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 2/2/2023 10:45:06 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

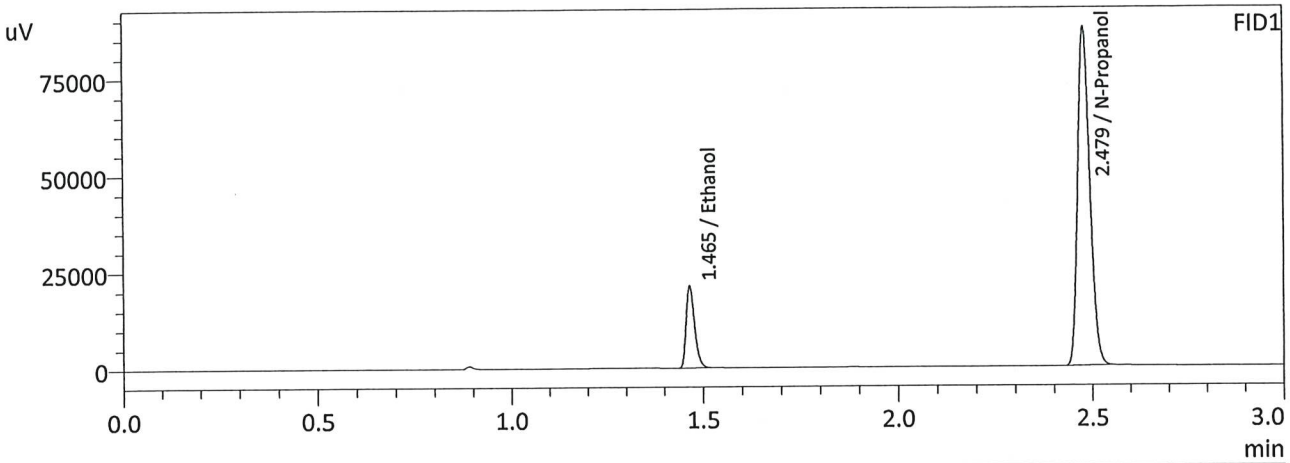
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0799	34028	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204499	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

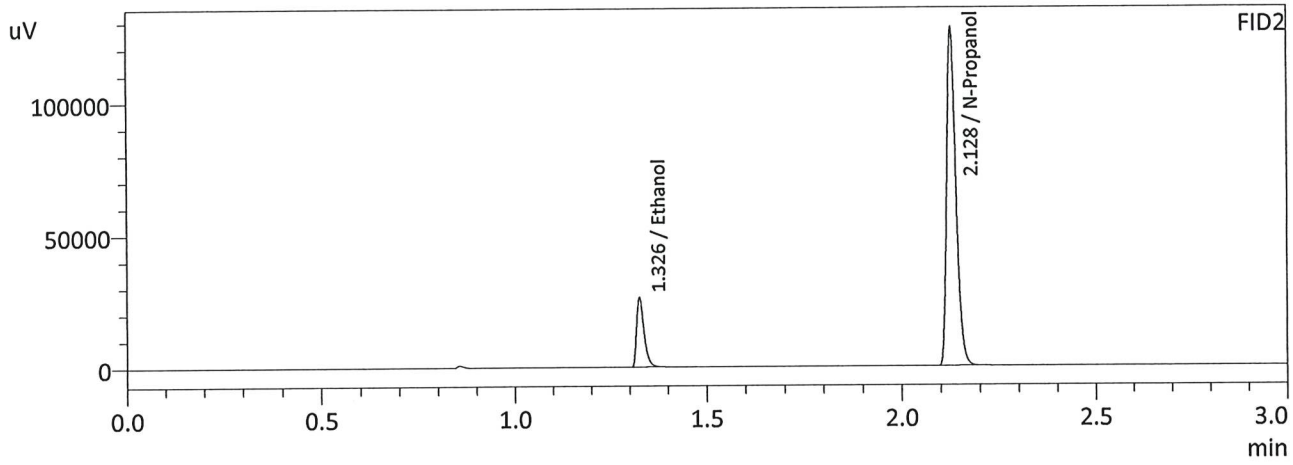
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	36656	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221874	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 2/2/2023 10:53:49 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	32618	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193537	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0807	35148	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210125	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2116	0.2119	0.0003	0.2117	0.0069	0.2151
(g/100cc)	0.2186	0.2186	0.0000	0.2186		

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

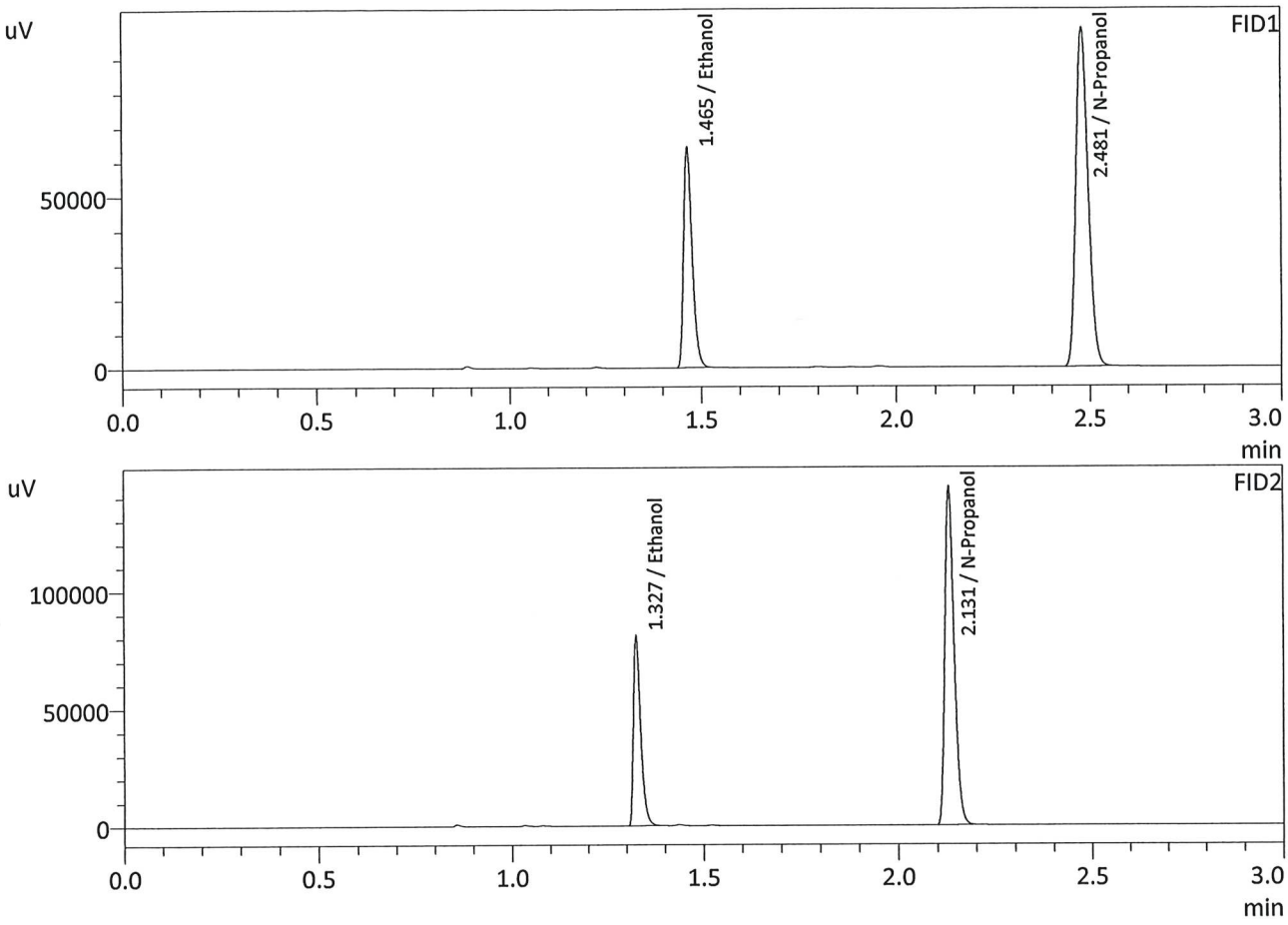
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.215	Notes:

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 2/2/2023 1:25:43 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

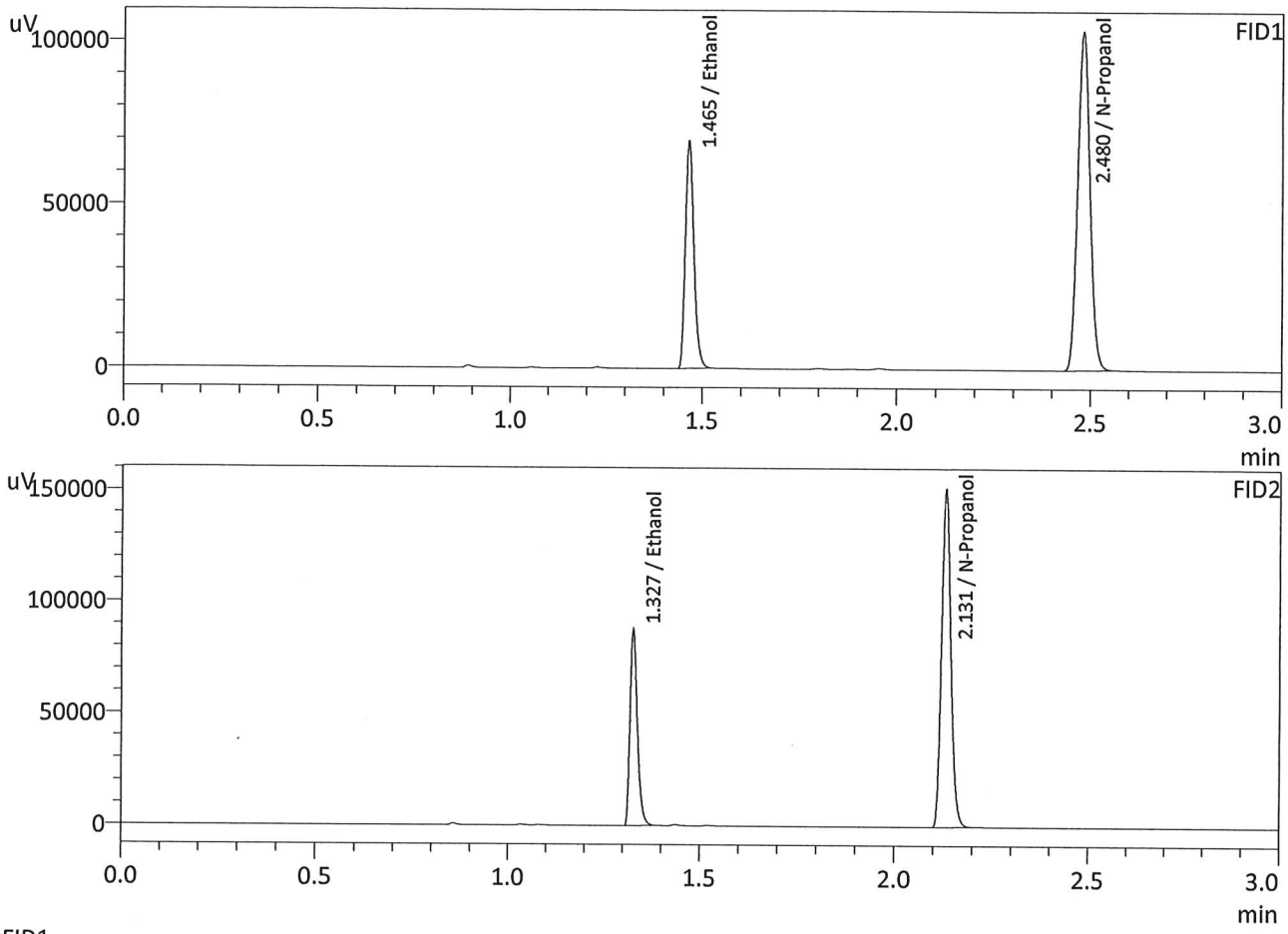
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2116	98486	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218376	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2119	107104	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237485	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 2/2/2023 1:33:41 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2186	106966	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	229503	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2186	116119	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249547	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0826	0.0827	0.0001	0.0826	0.0001	0.0827
(g/100cc)	0.0827	0.0828	0.0001	0.0827		

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

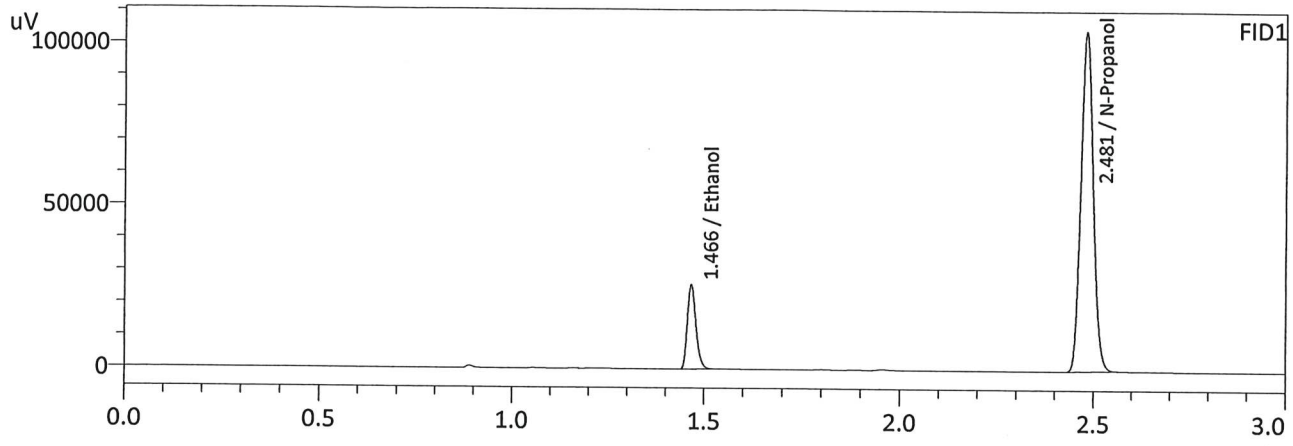
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

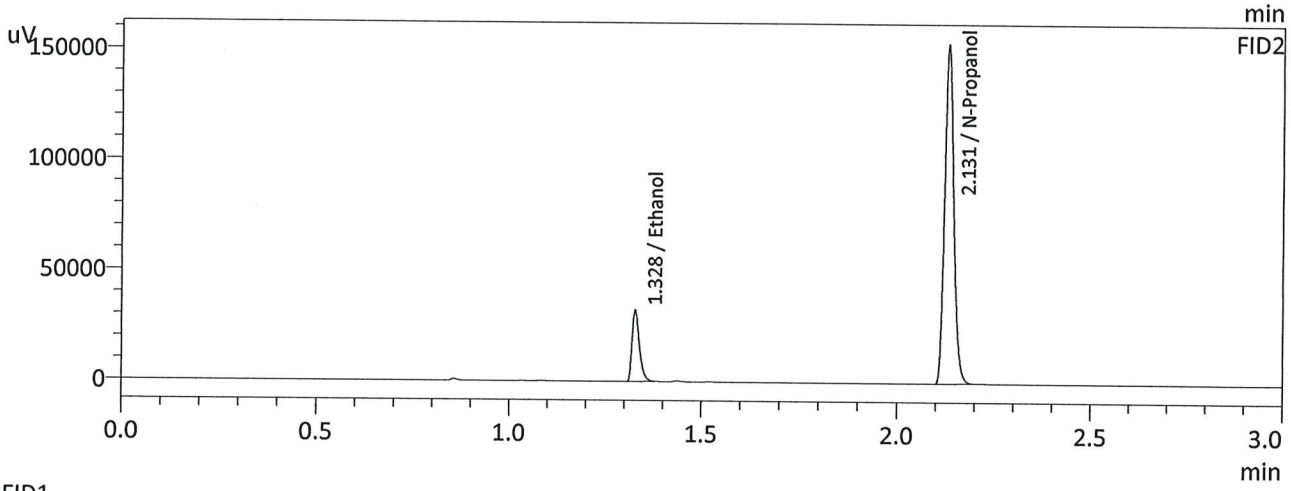
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	0.077	0.087	0.005

	Reported Result	Notes:
	0.082	

Calibration and control data are stored centrally.

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 2/2/2023 3:18:52 PM
Vial # : 39
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

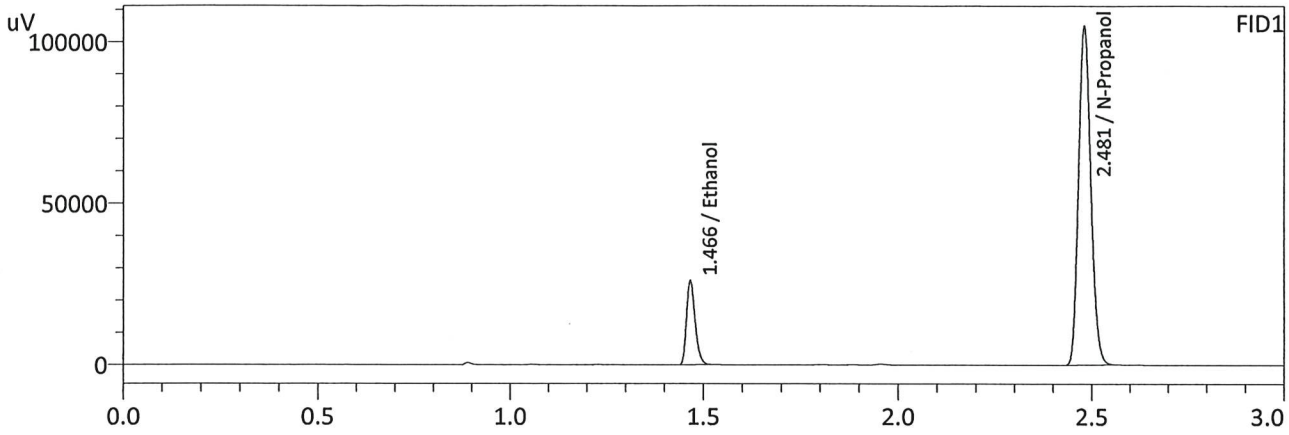
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0826	40001	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232192	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

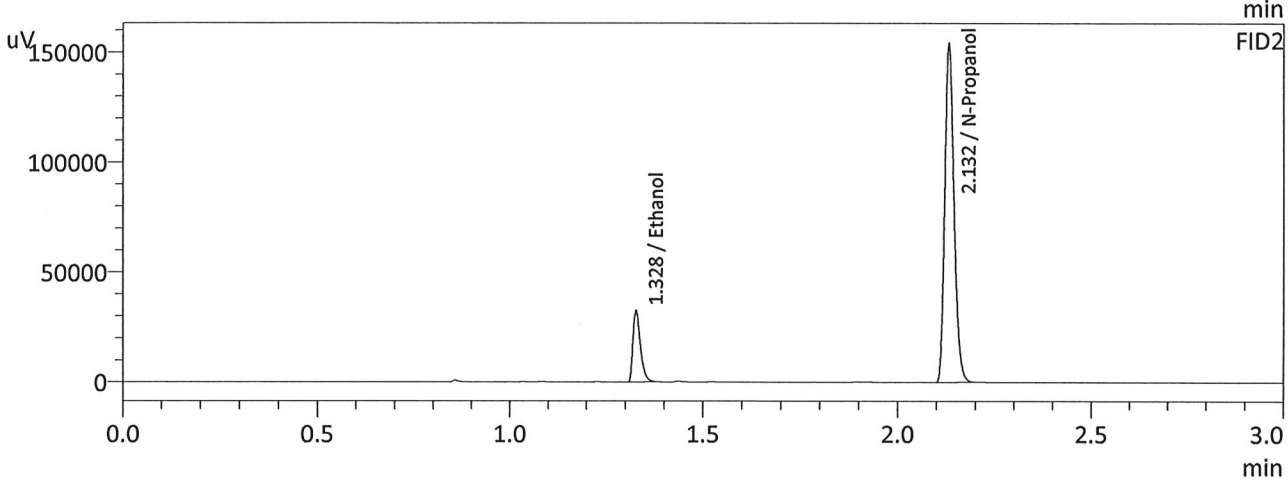
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	43372	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	252791	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 2/2/2023 3:26:10 PM
Vial # : 40
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	40317	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	233620	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	43686	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	254386	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2118	0.2119	0.0001	0.2118	0.0032	0.2134
(g/100cc)	0.2151	0.2149	0.0002	0.2150		

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

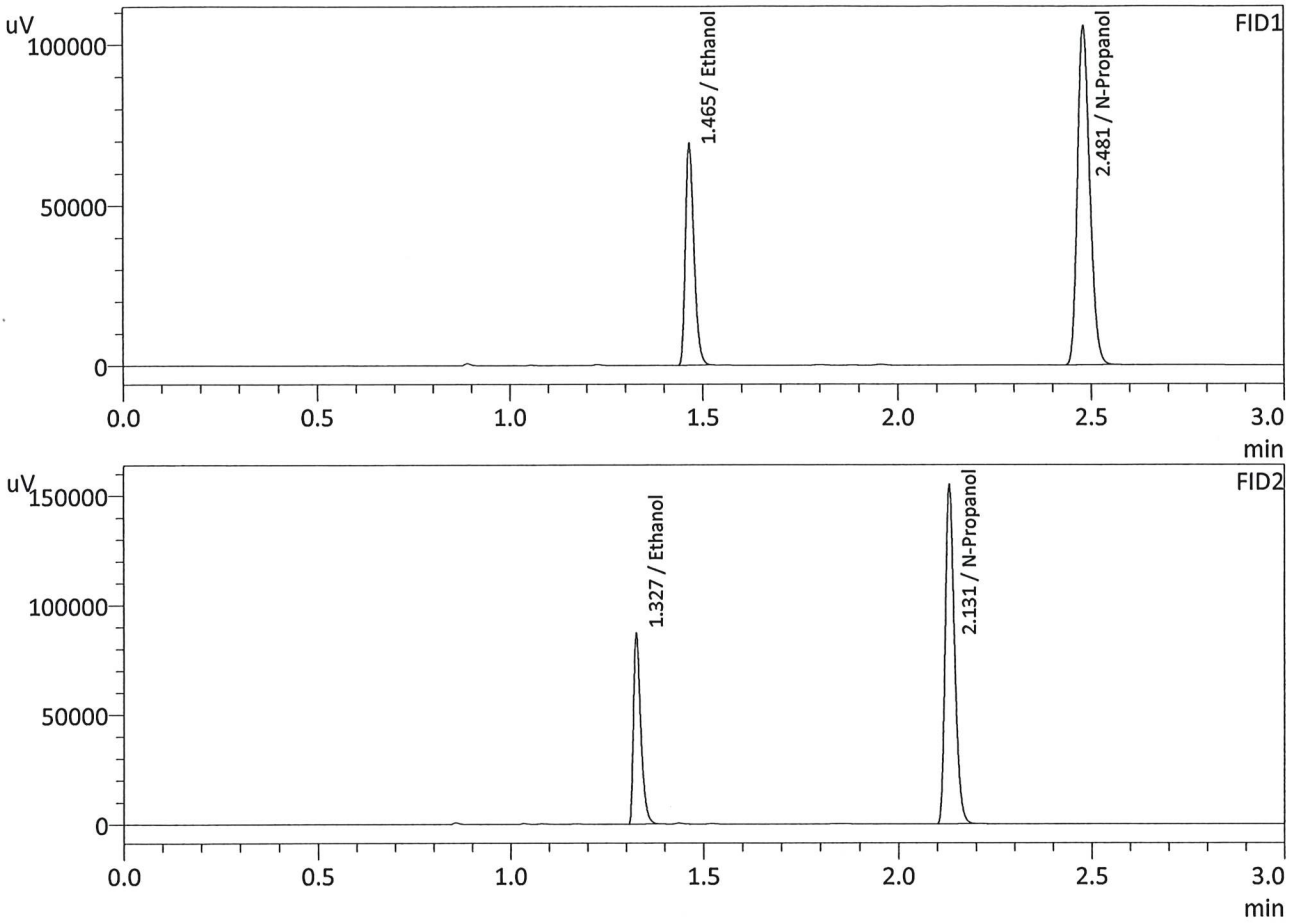
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 2/2/2023 3:33:32 PM
Vial # : 41
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

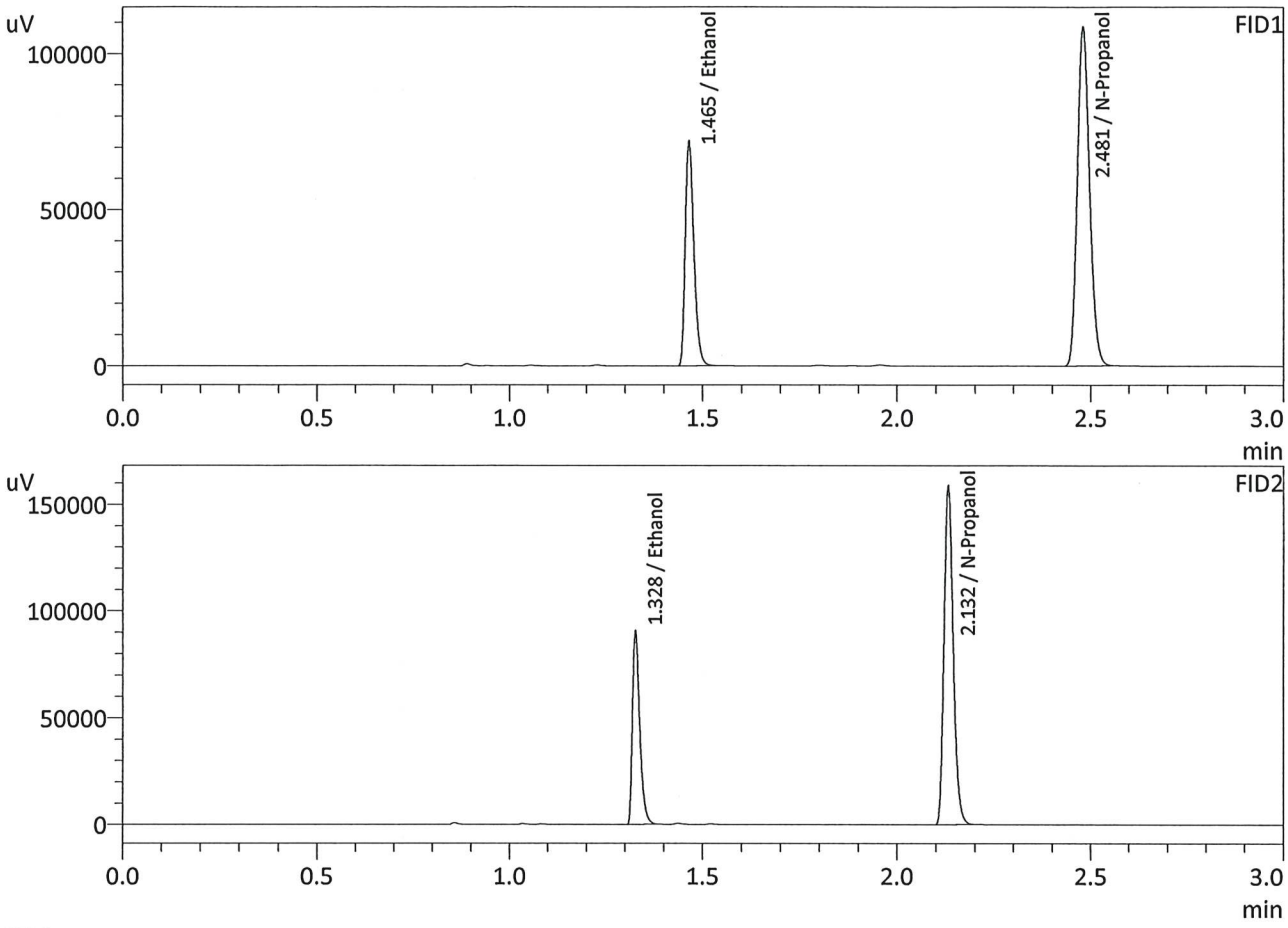
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2118	105970	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234708	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2119	115144	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	255342	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 2/2/2023 3:42:38 PM
Vial # : 42
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

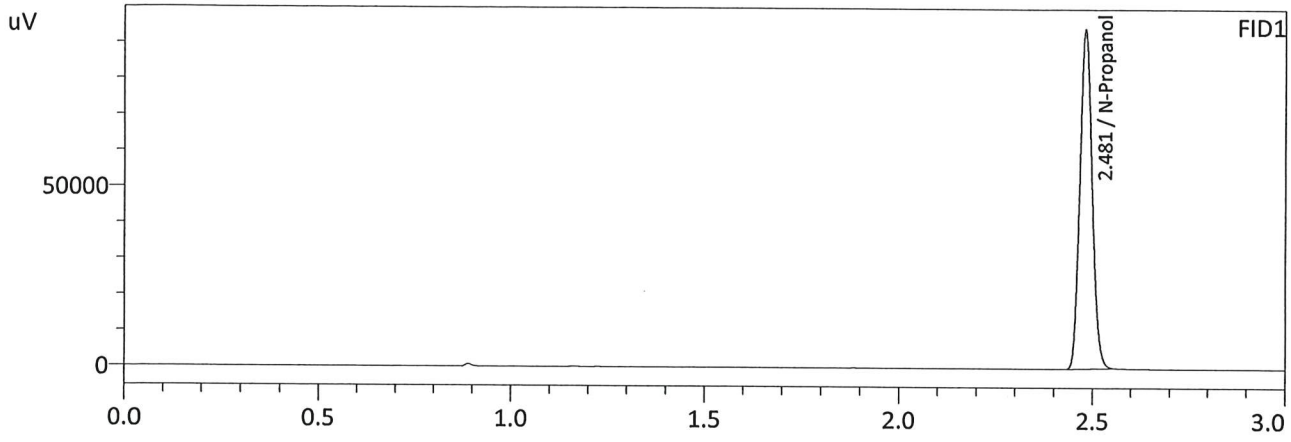
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2151	110460	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	240853	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

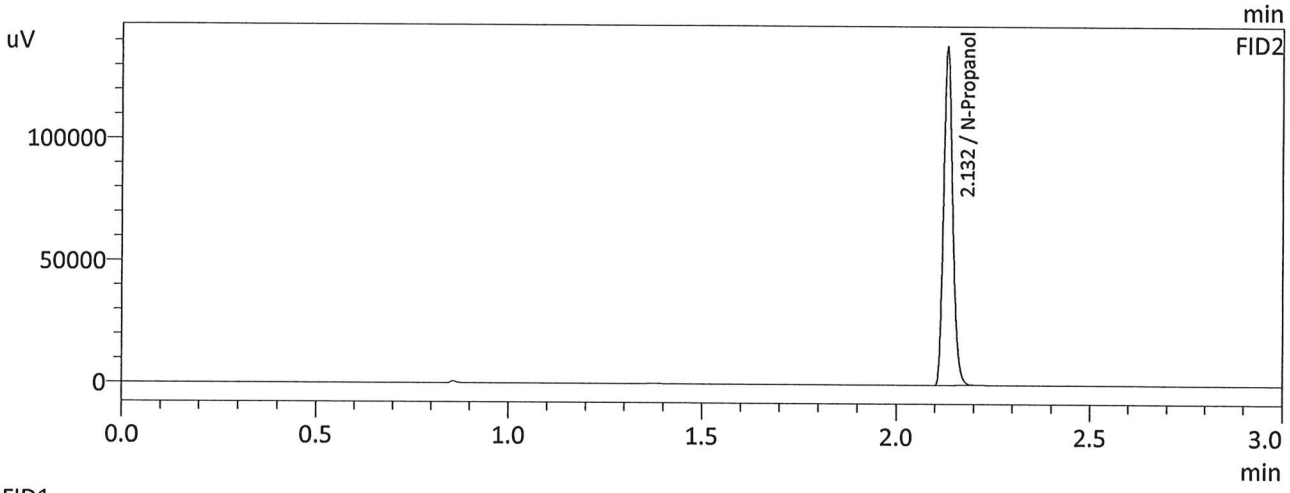
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2149	119894	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262092	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 2/2/2023 3:49:47 PM
Vial # : 43
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.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	209776	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	228349	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

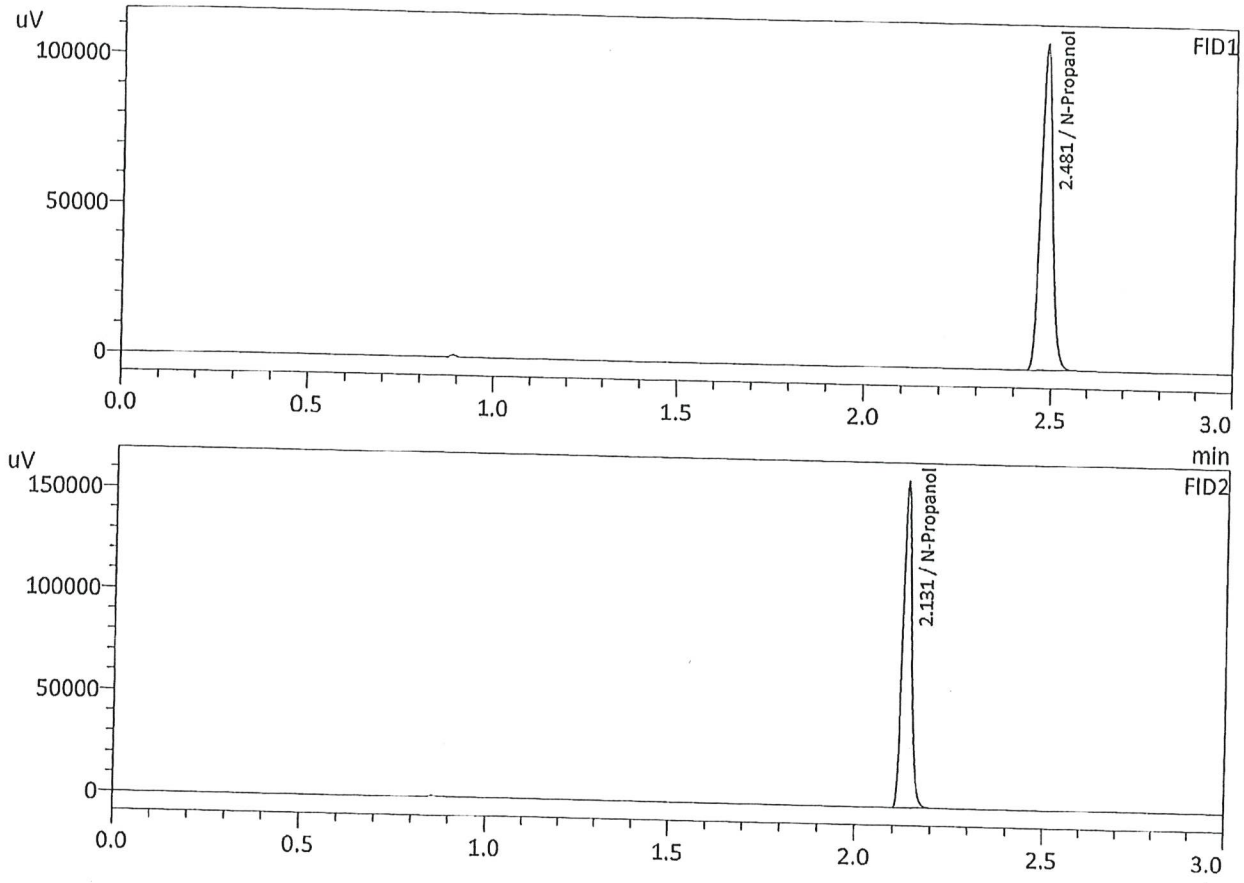
Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
7	22460-40-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
8	22460-40-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
9	22460-40-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
10	22460-40-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
11	22440-80-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
12	22440-80-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
13	22440-80-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
14	22440-80-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
15	22050-200-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
16	22050-200-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
17	22050-200-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
18	22050-200-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
19	M2023-0394-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
20	M2023-0394-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
21	M2023-0395-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
22	M2023-0395-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
23	M2023-0436-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
24	M2023-0426-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
27	M2023-0446-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
28	M2023-0446-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
29	M2023-0447-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
30	M2023-0447-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
31	M2023-0464-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
32	M2023-0464-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
33	M2023-0465-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
34	M2023-0465-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
35	M2023-0466-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
36	M2023-0466-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
37	M2023-0475-1-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
38	M2023-0475-1-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
39	QC1-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
40	QC1-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
41	QC2-2-A	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
42	QC2-2-B	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
43	INT STD BLK	C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM

JC

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 1/27/2023 8:04:38 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

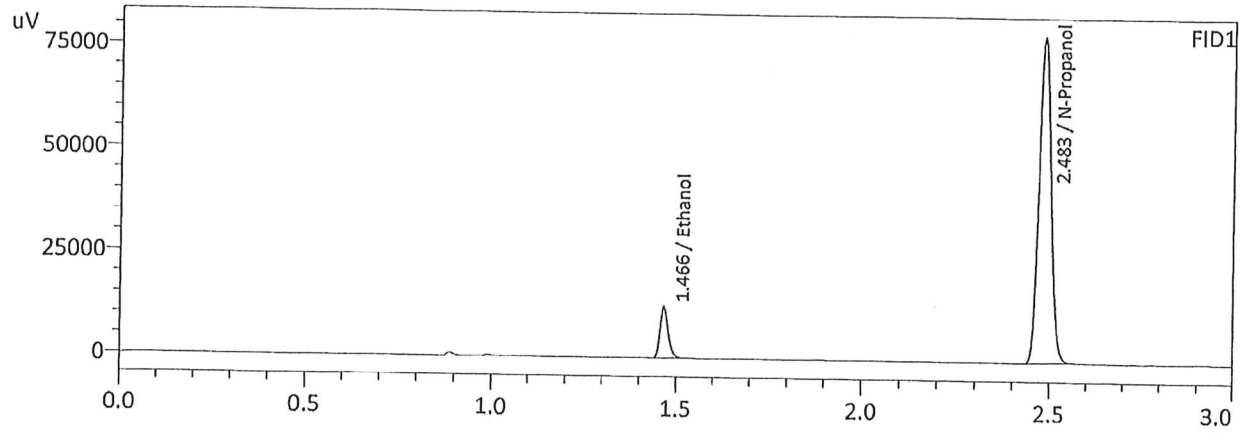
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241412	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

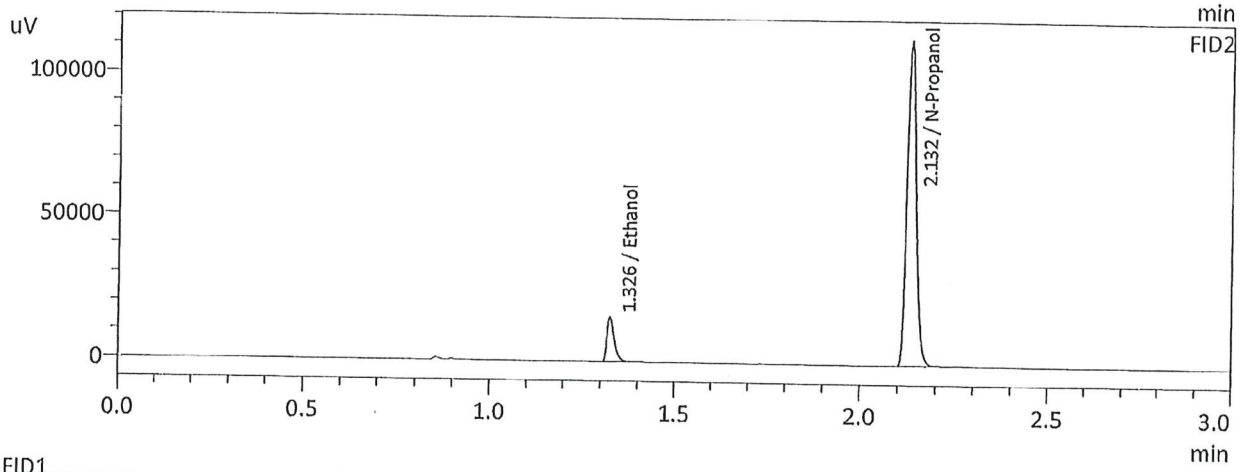
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	262538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 1/20/2023 12:39:24 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

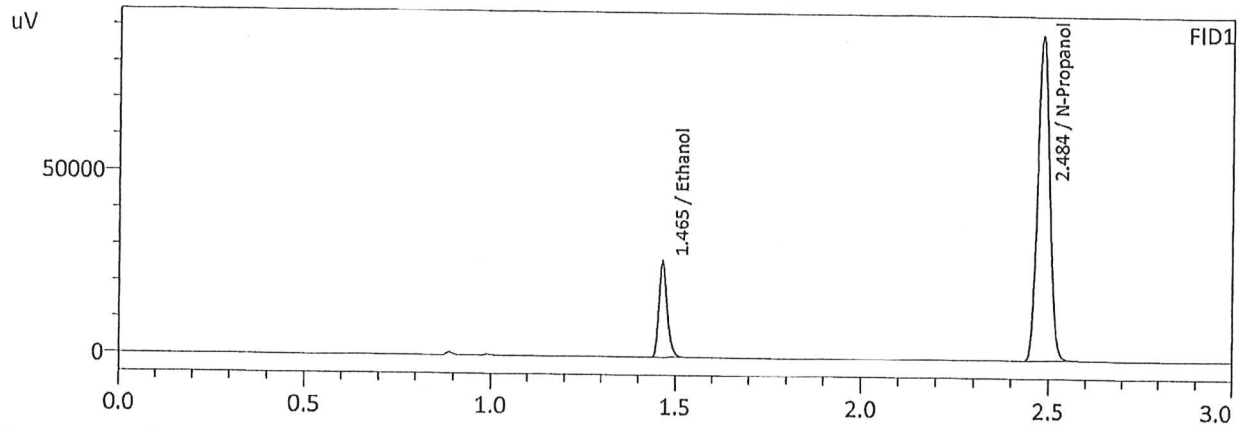
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0545	19473	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	174605	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

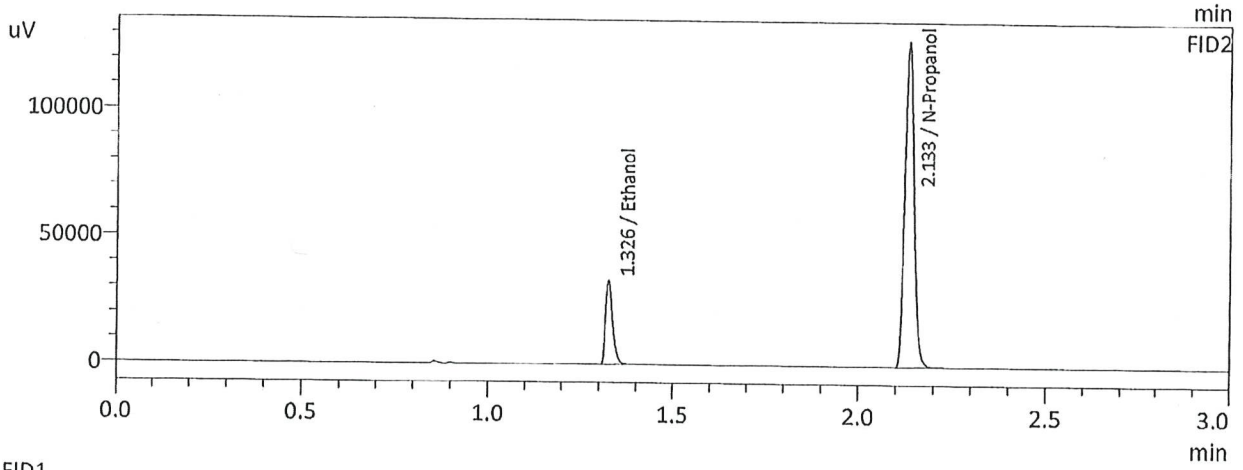
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0544	20893	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	189057	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 1/20/2023 12:46:43 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

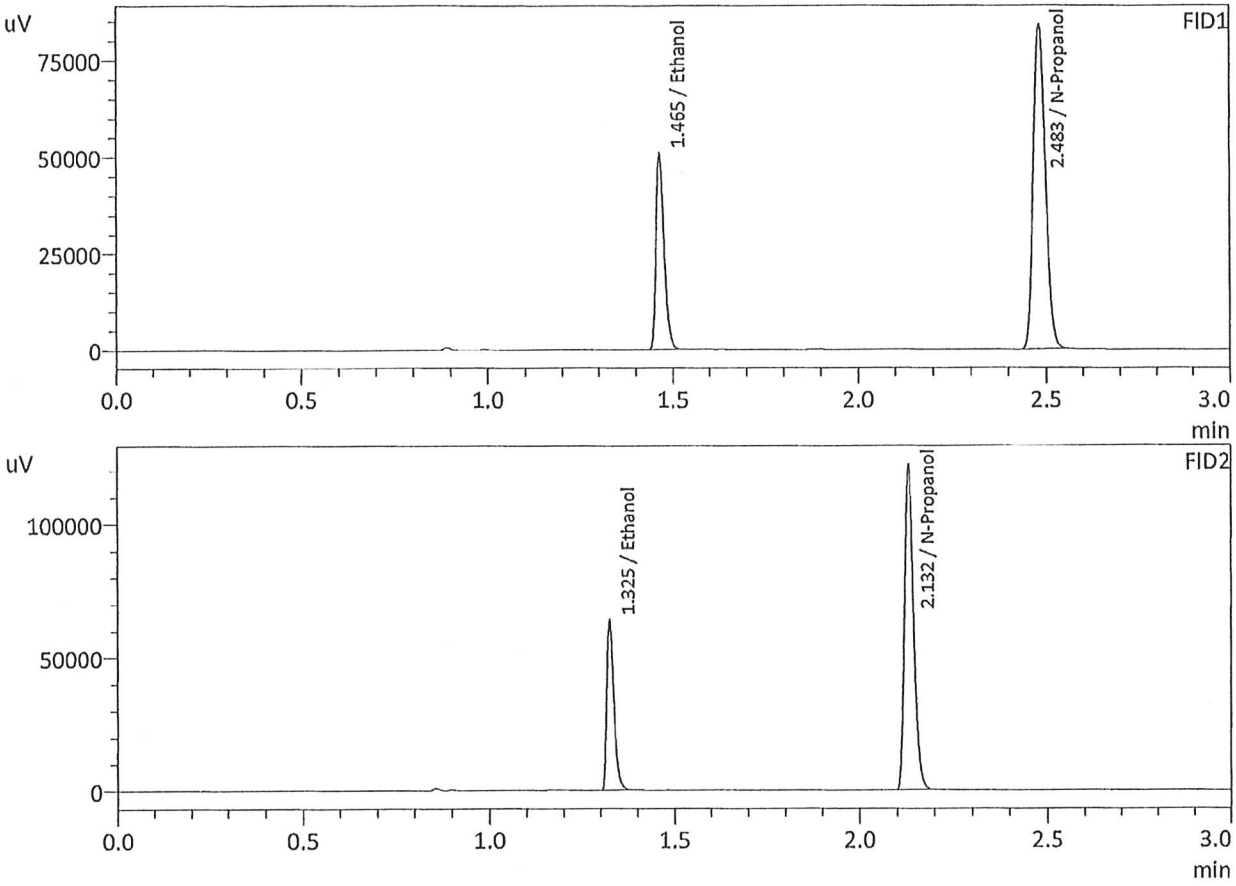
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0988	40821	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196928	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0987	43939	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213180	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

36

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 1/20/2023 12:54:04 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

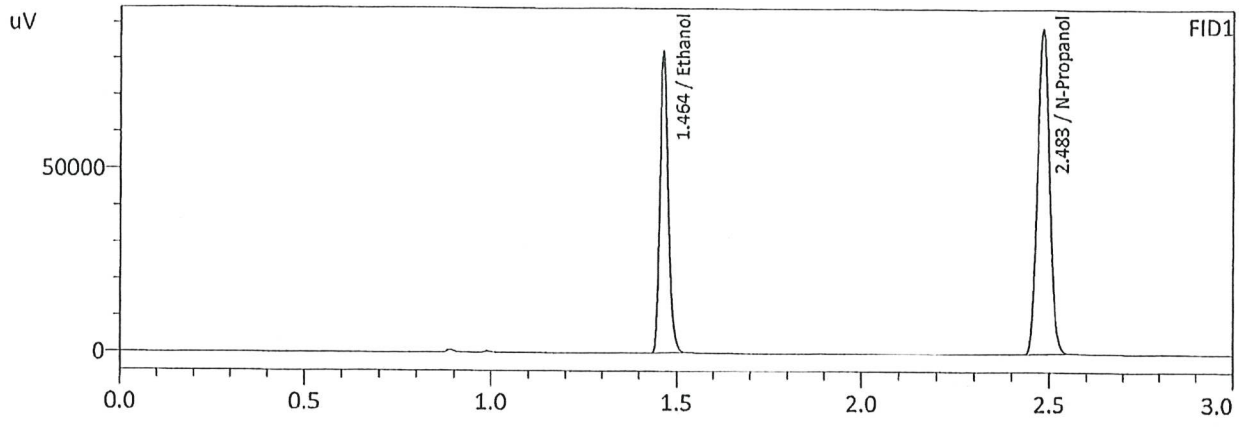
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	78146	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187186	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

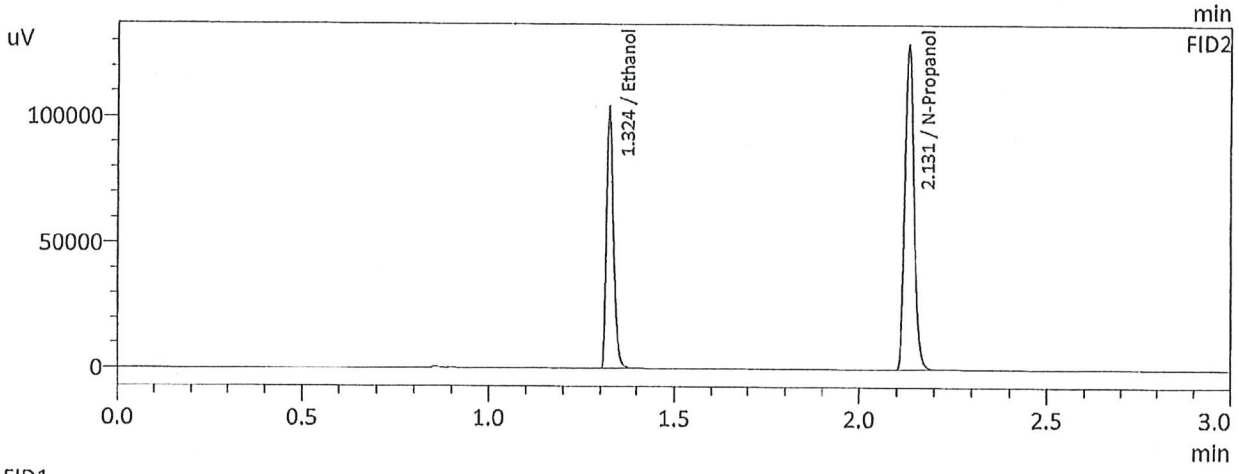
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1961	84429	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	202596	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 1/20/2023 1:03:02 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

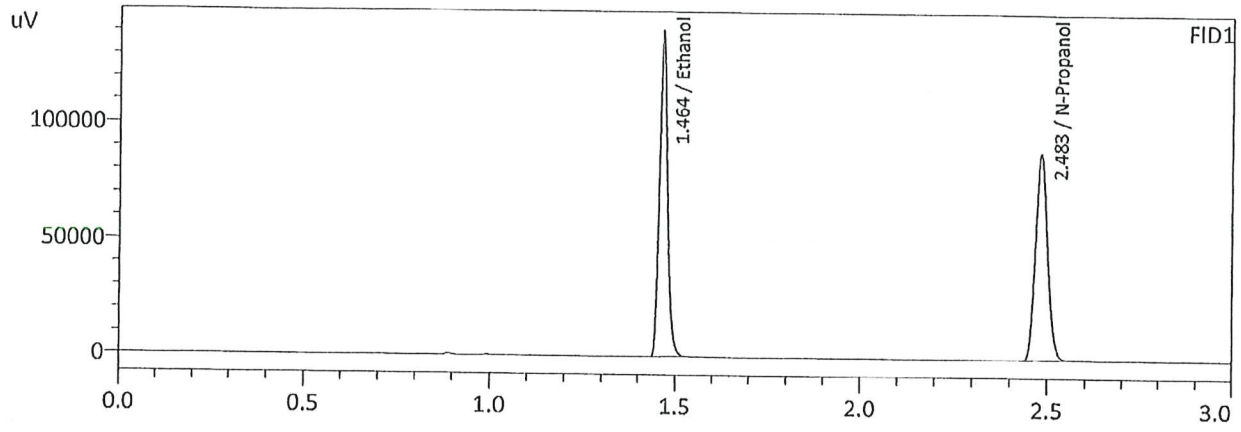
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2979	126328	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198152	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

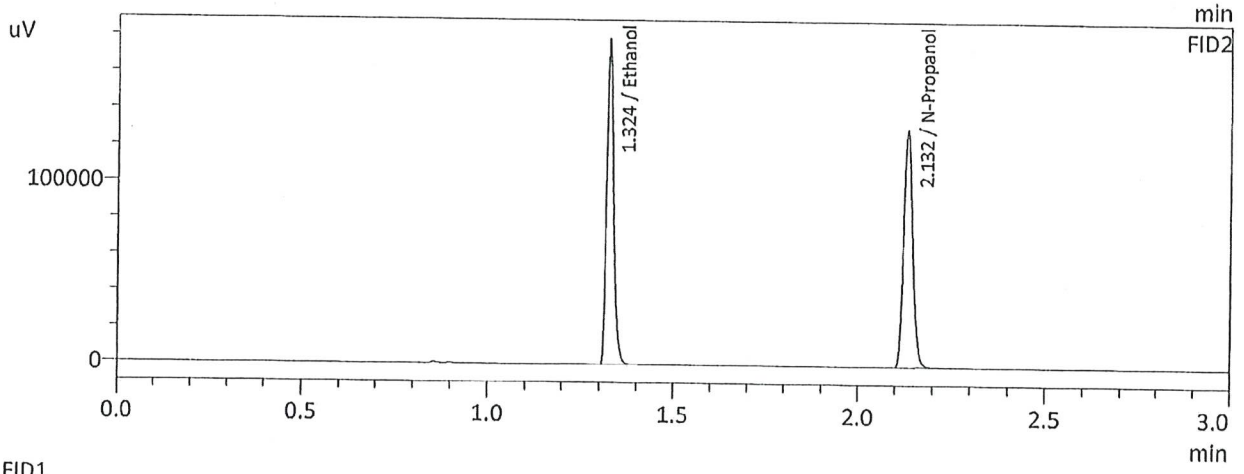
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2982	136708	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214447	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

36

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 1/20/2023 1:10:20 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





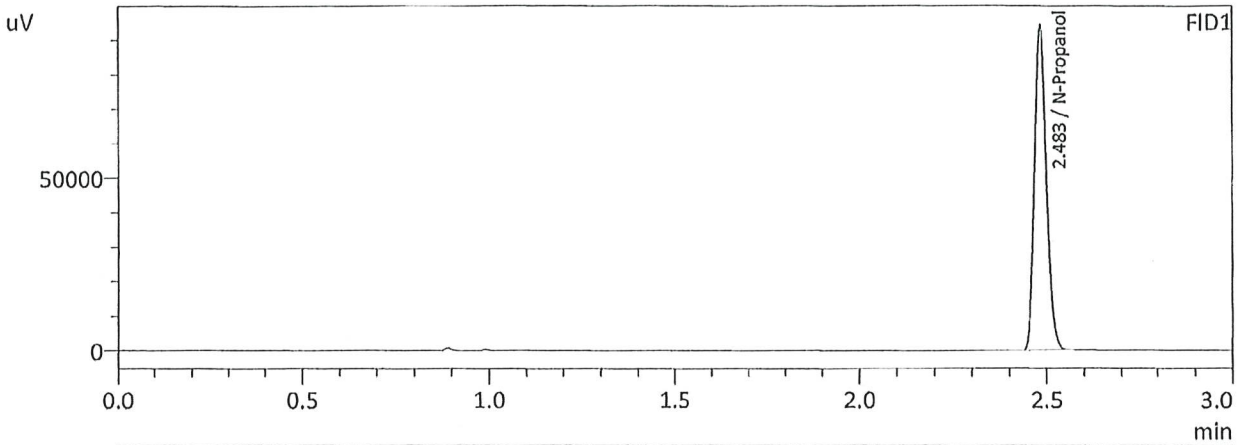
FID1

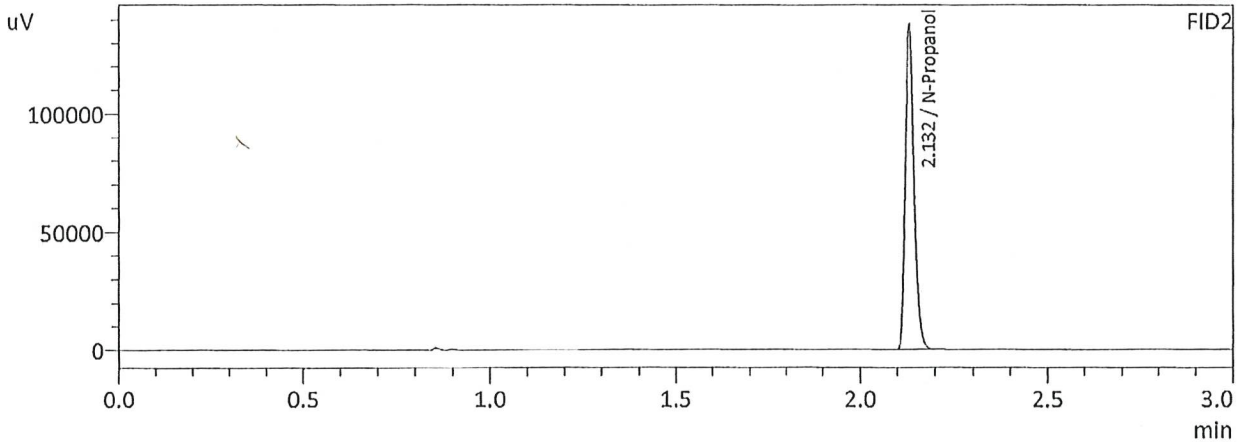
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5025	215831	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199913	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5023	233514	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216473	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 1/20/2023 1:18:44 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.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	210634	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	228635	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Meridian Blood Alcohol Analysis Batch Table

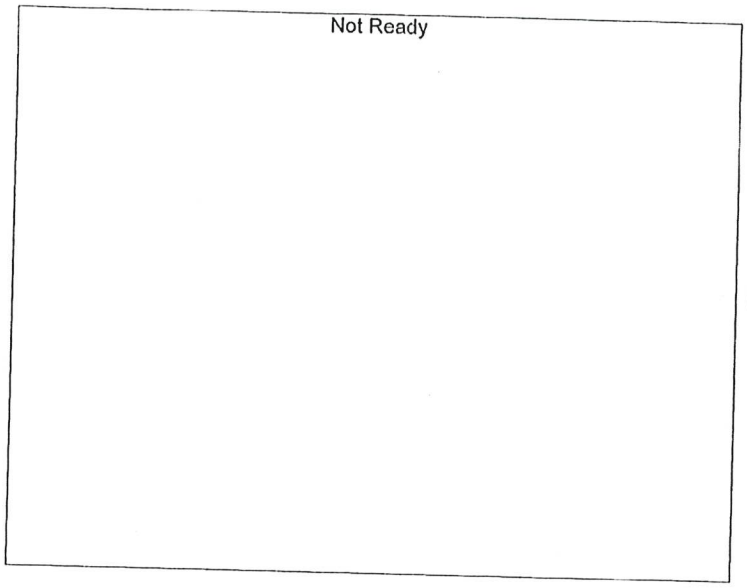
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

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

Calibration Table

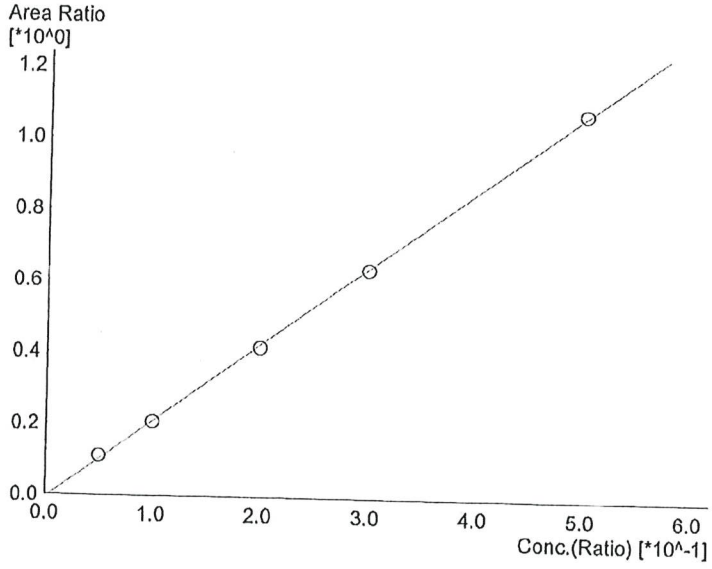
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\230120\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\230120\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :1/20/2023 1:10:20 PM
Date Created :1/20/2023 1:06:10 PM
Date Modified :1/20/2023 1:13:21 PM



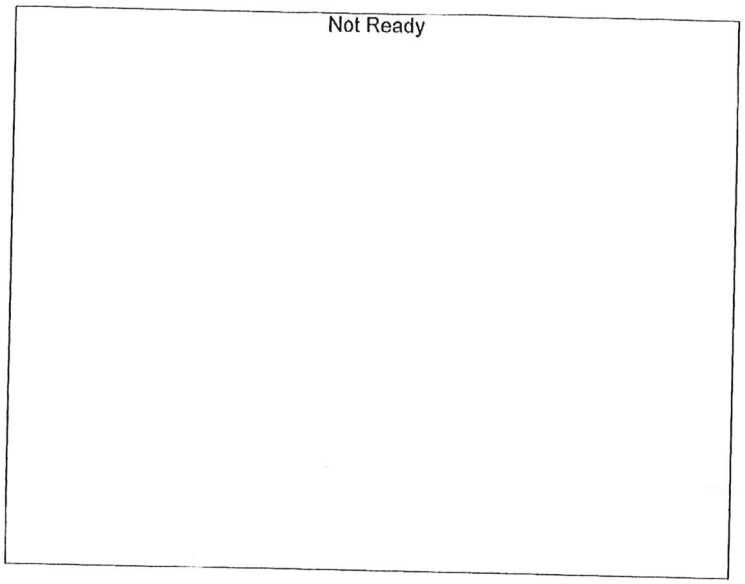
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



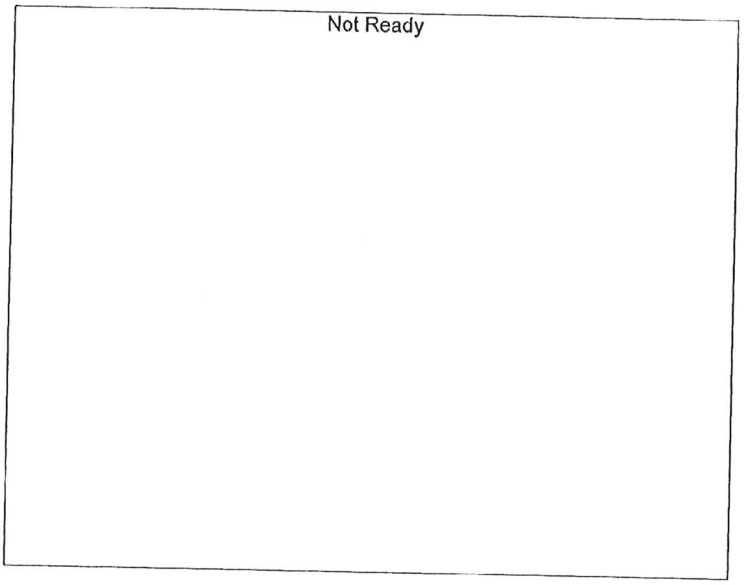
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.16078*x-0.00628727
R^2 value= 0.9996283
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19473	0.0545
2	0.100	40821	0.0988
3	0.200	78146	0.1961
4	0.300	126328	0.2979
5	0.500	215831	0.5025



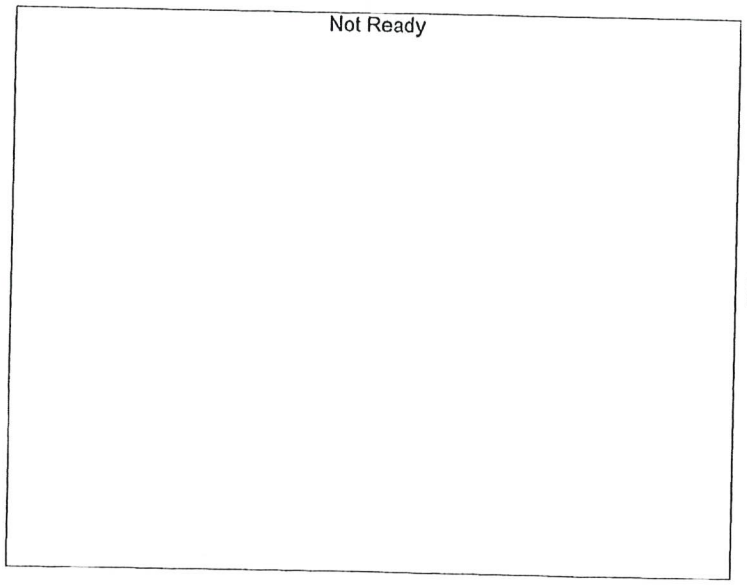
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



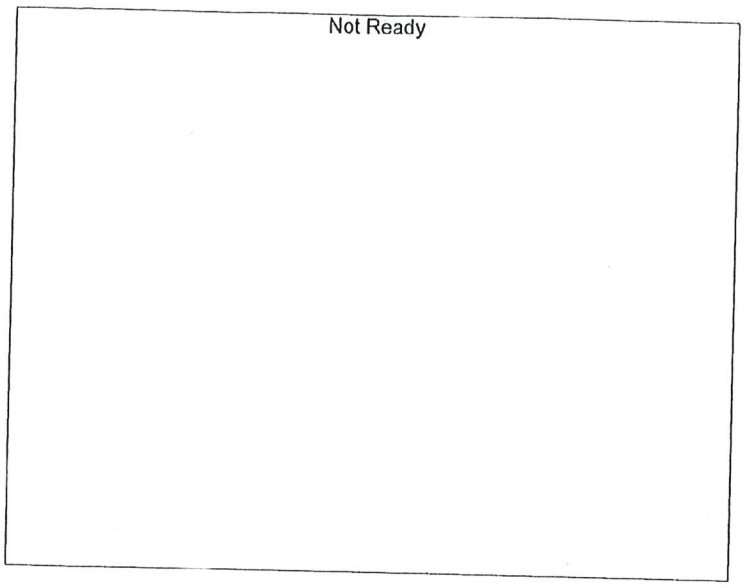
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



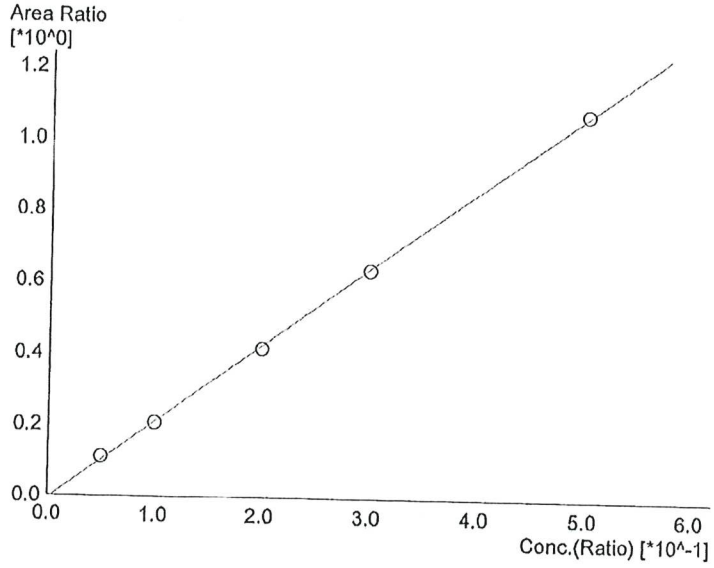
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



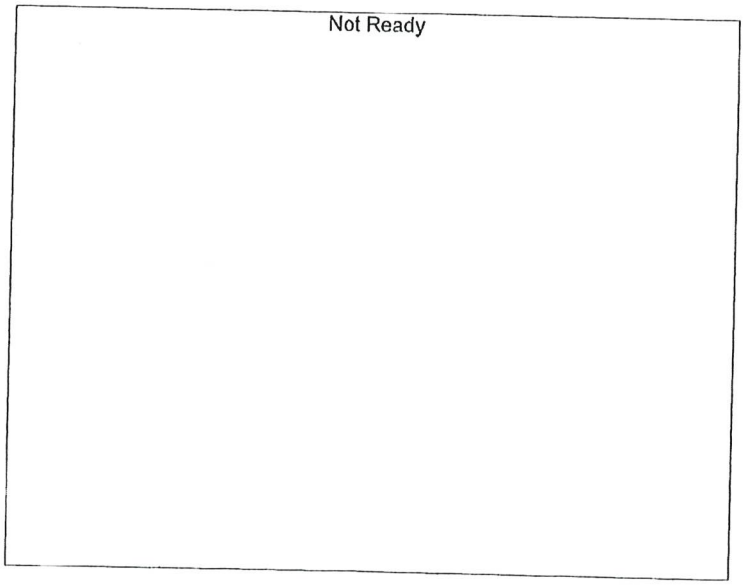
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



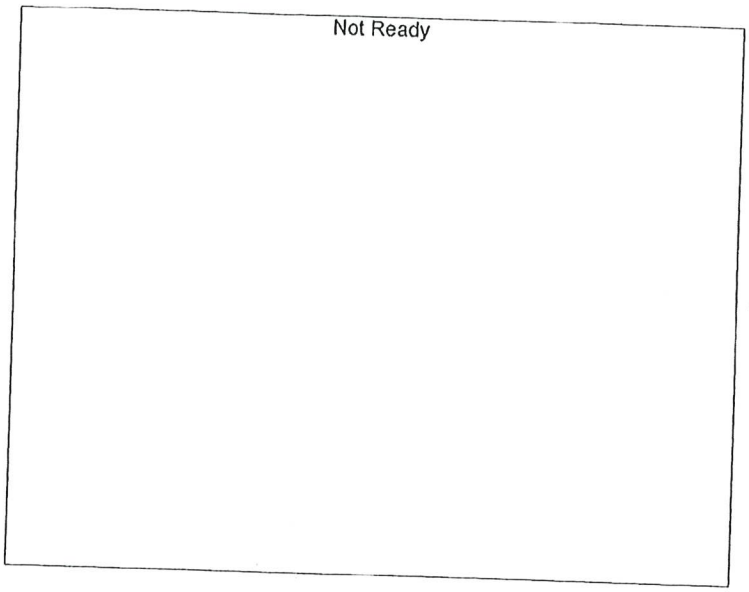
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.16164*x-0.00726304
R^2 value= 0.9996462
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20893	0.0544
2	0.100	43939	0.0987
3	0.200	84429	0.1961
4	0.300	136708	0.2982
5	0.500	233514	0.5023



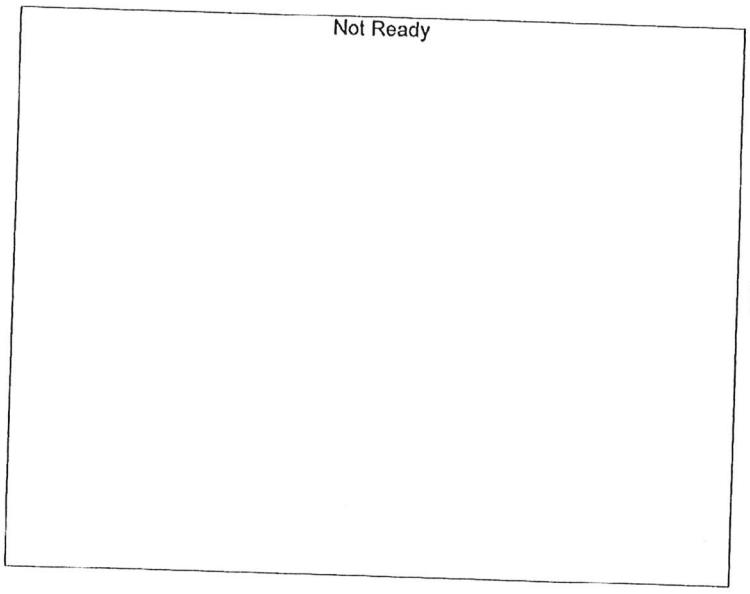
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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.