REVIEWED
By Tamara Salazar at 12:15 pm, Dec 30, 2022

12/30/2022

Worklist: 6206

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-5276	1	BCK	Alcohol Analysis
M2022-5277	1	BCK	Alcohol Analysis
M2022-5282	1	BCK	Alcohol Analysis
M2022-5289	1	BCK	Alcohol Analysis
M2022-5290	1	BCK	Alcohol Analysis
M2022-5306	1	BCK	Alcohol Analysis
M2022-5308	1	BCK	Alcohol Analysis
M2022-5309	1	BCK	Alcohol Analysis
M2022-5311	1	BCK	Alcohol Analysis
M2022-5312	1	BCK	Alcohol Analysis
M2022-5313	1	BCK	Alcohol Analysis
M2022-5315	1	BCK	Alcohol Analysis
M2022-5322	1	BCK	Alcohol Analysis
M2022-5337	1	BCK	Alcohol Analysis
M2022-5338	1	BCK	Alcohol Analysis
M2022-5339	1	BCK	Alcohol Analysis
M2022-5379	1	BCK	Alcohol Analysis
M2022-5380	1	BCK	Alcohol Analysis

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): 12/29/22**

Calibration Date: *(if different)*

Worklist #: 6206

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Feb-25	2101199	0.0808	0.0727-0.0889	0.0771 g/100cc
					0.0823 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2114 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:		**Column 1**	0.99997	**Column2**	0.99997

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0506	1E-04	0.0505
100	0.100	0.090 - 0.110	0.1001	0.0999	0.0002	0.1
200	0.200	0.180 - 0.220	0.1984	0.1983	1E-04	0.1983
300	0.300	0.270 - 0.330	0.3009	0.3011	0.0002	0.301
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4999	0.4999	0	0.4999

Aqueous Controls

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

Internal Standard Monitoring Worksheet

Worklist #:	6206	Run Date(s):	12/29/22

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

Sample Name	Column 1 Value	Column 2 Value
0.080	188130	204152
0.080	191691	208350
QC1	192593	209235
QC1	195745	212637
QC1	223998	243724
QC1	232076	252425
QC1		
QC1		
QC2	217419	236117
QC2	213683	232294
QC2		
QC2		
QC2		
QC2		

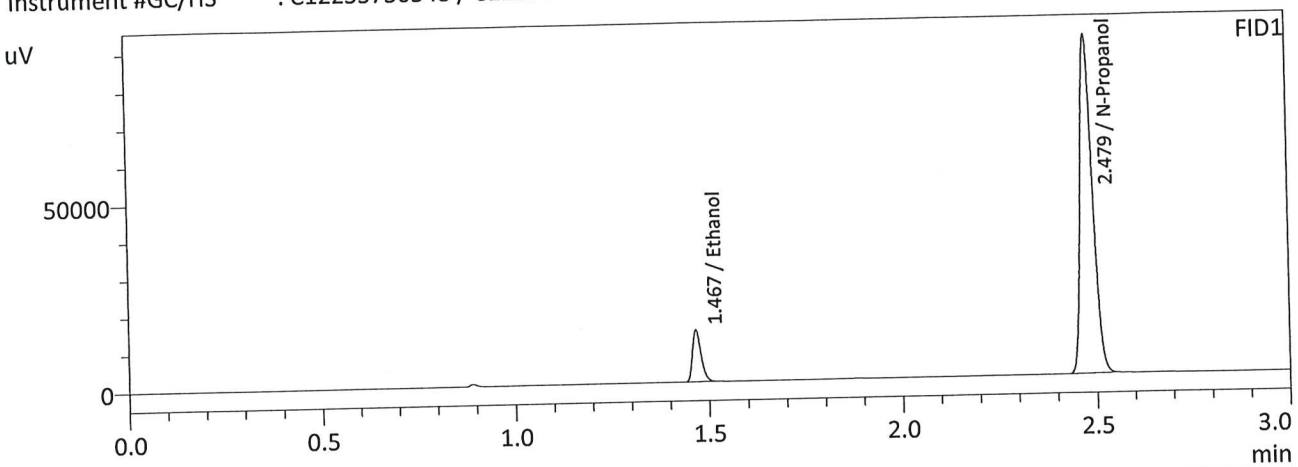
	Average	(-)20%	(+)20%
Column 1	206916.9	165533.5	248300.3
Column 2	224866.8	179893.4	269840.1

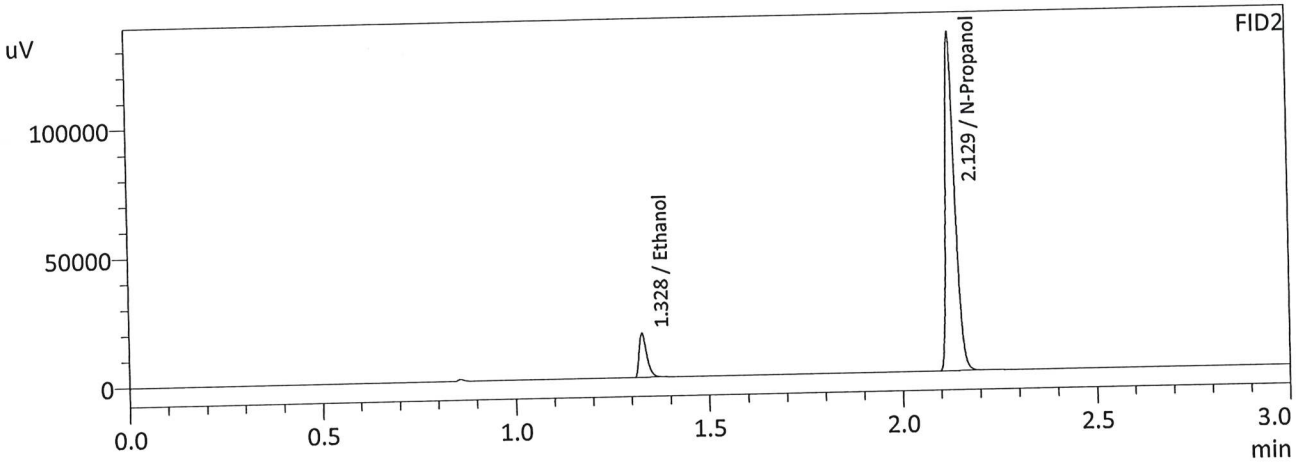
Meridian Blood Alcohol Analysis Batch Table

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

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 12/29/2022 10:41:58 AM
Vial # : 1
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

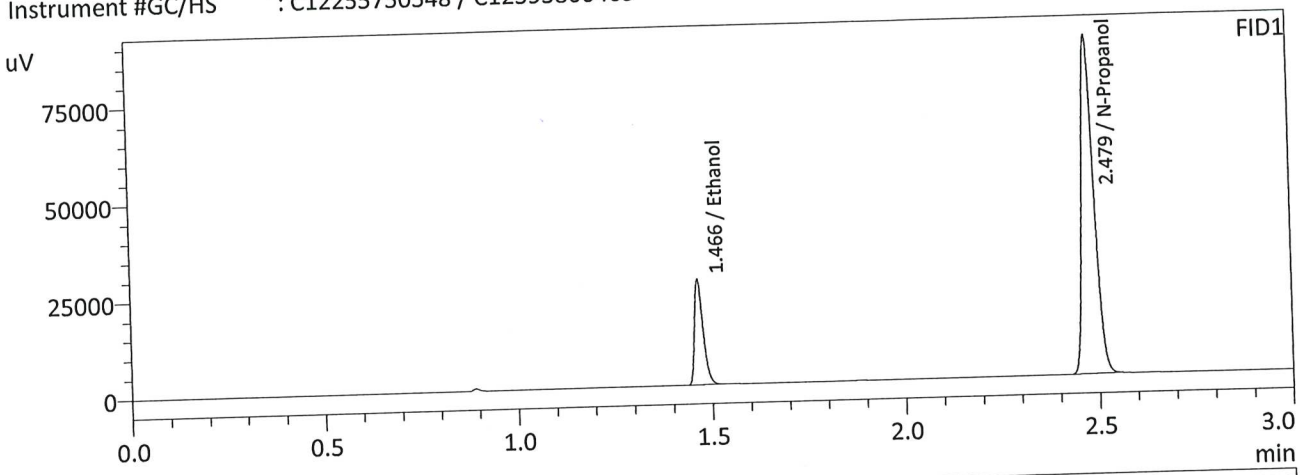
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0505	21340	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199422	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

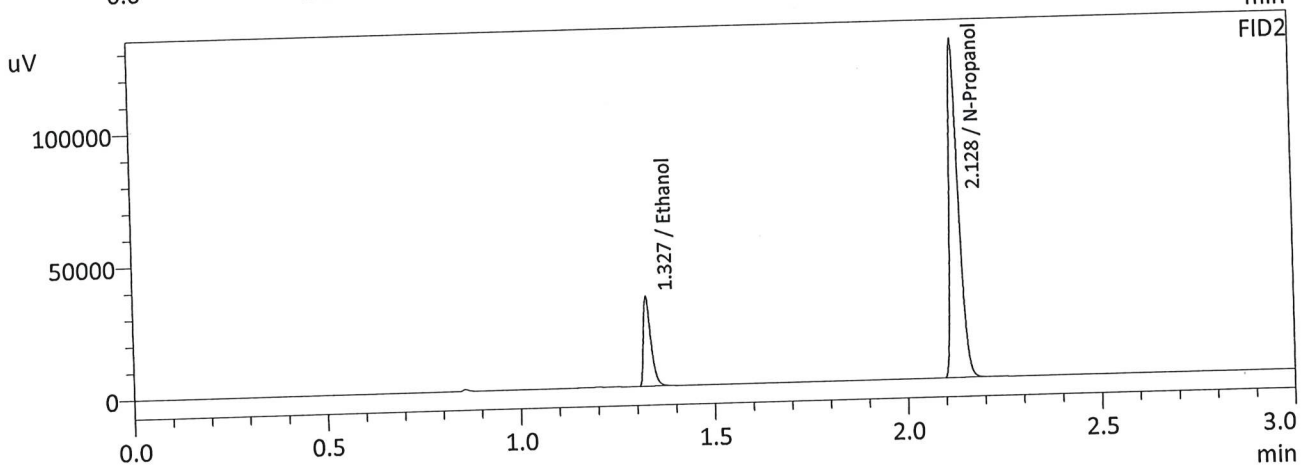
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0506	23021	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216537	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 12/29/2022 10:49:18 AM
Vial # : 2
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





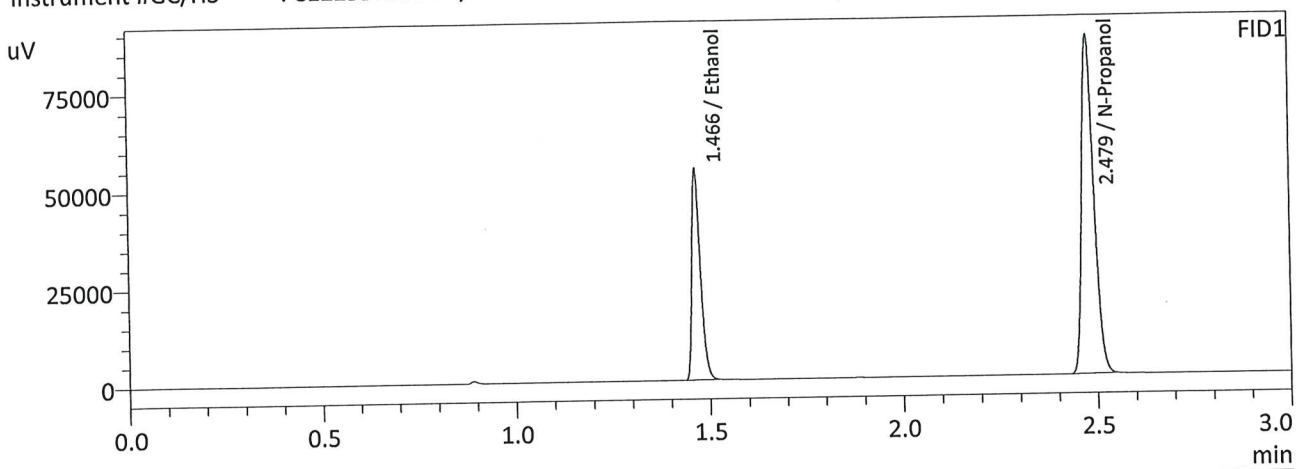
FID1

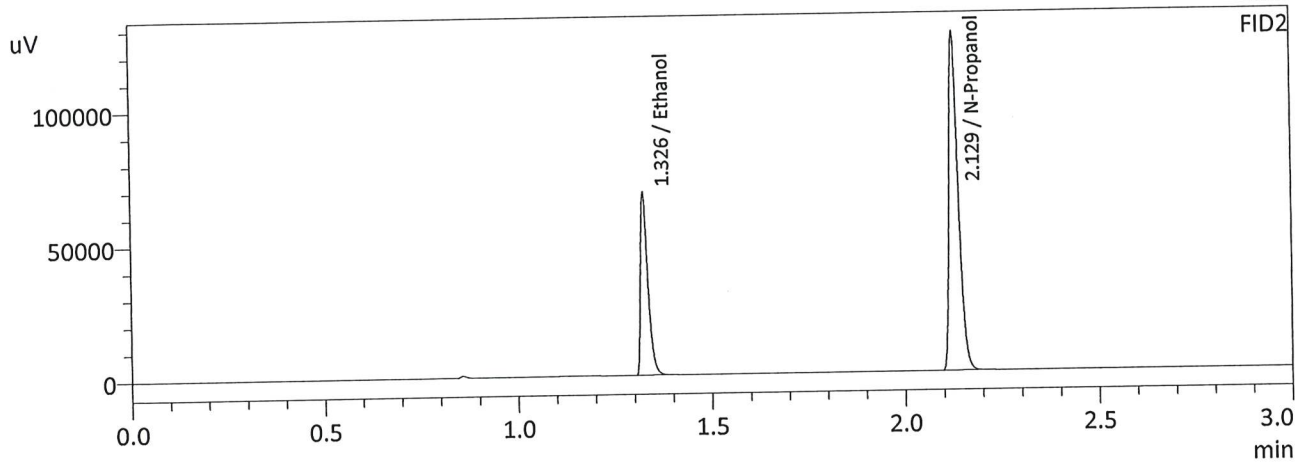
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	41790	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193226	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0999	45089	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209843	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 12/29/2022 10:56:41 AM
Vial # : 3
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





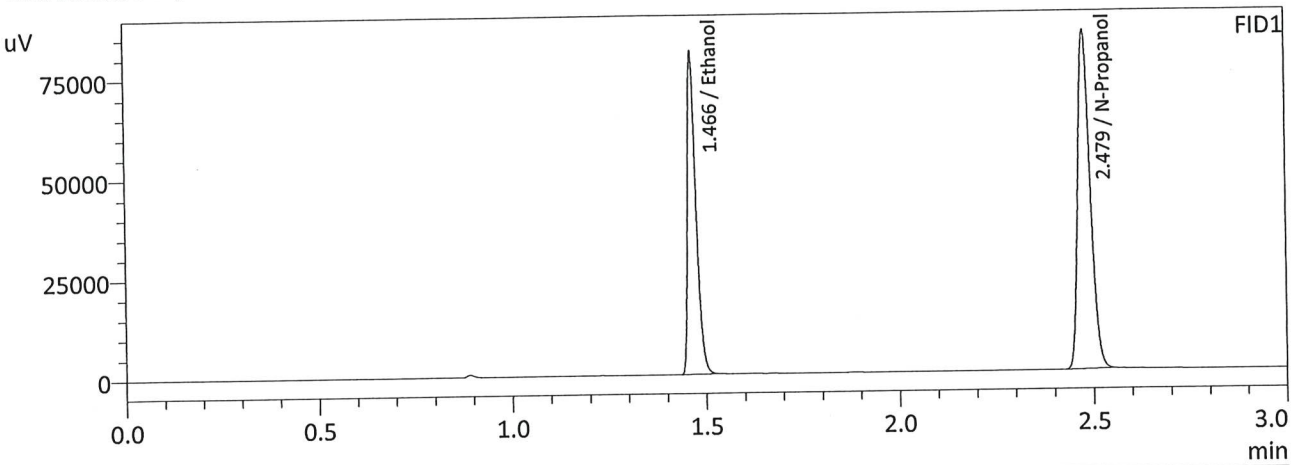
FID1

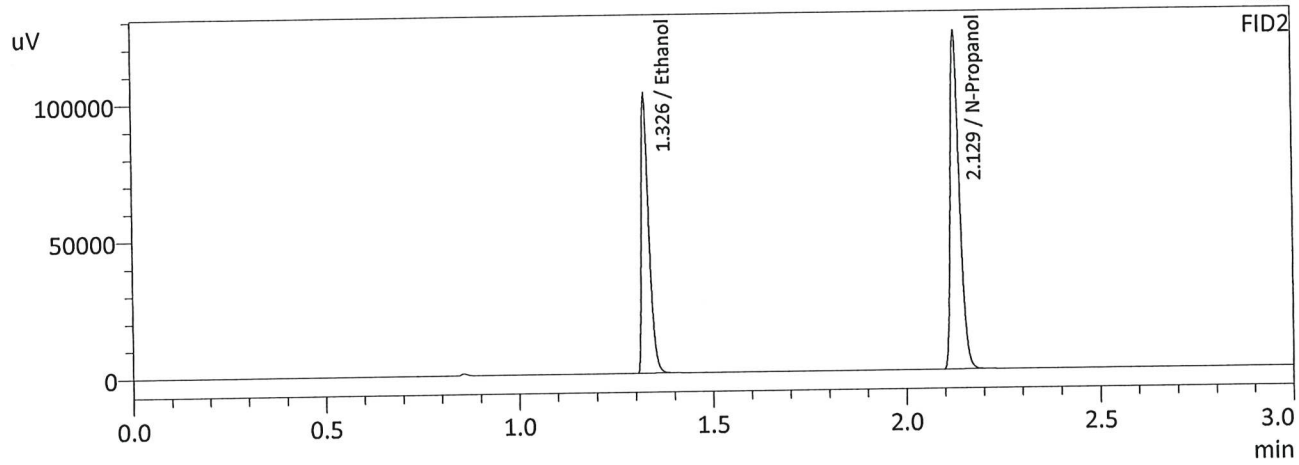
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1984	82970	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191682	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1983	89774	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207948	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 12/29/2022 11:05:32 AM
Vial # : 4
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





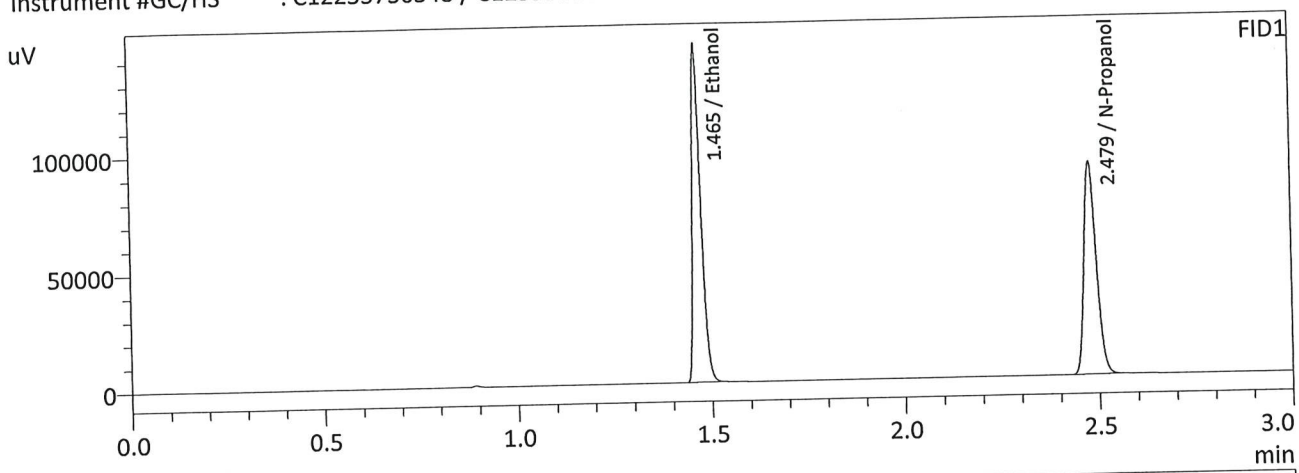
FID1

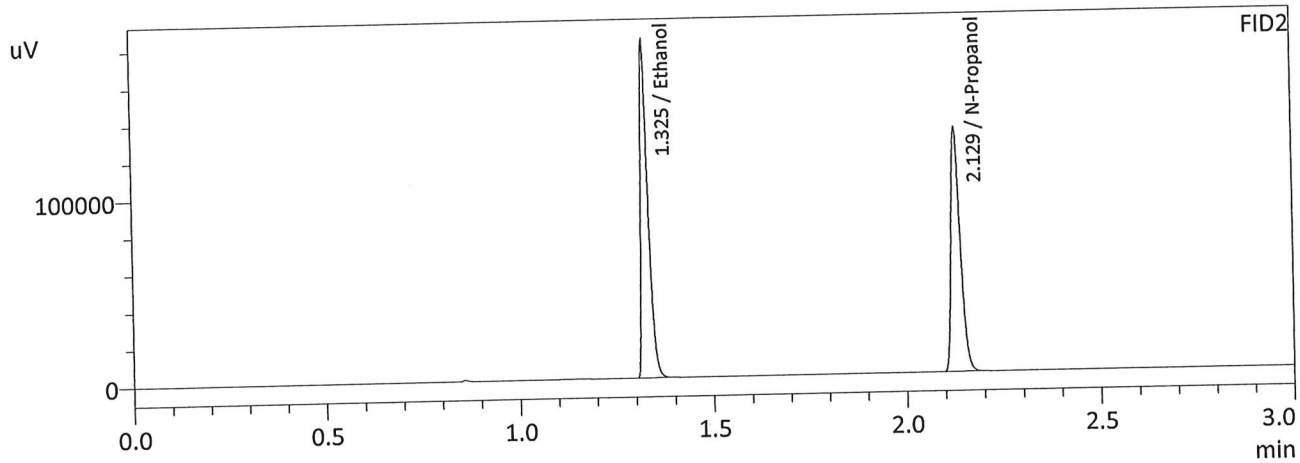
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3009	123428	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187322	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3011	133694	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203152	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 12/29/2022 11:12:56 AM
Vial # : 5
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





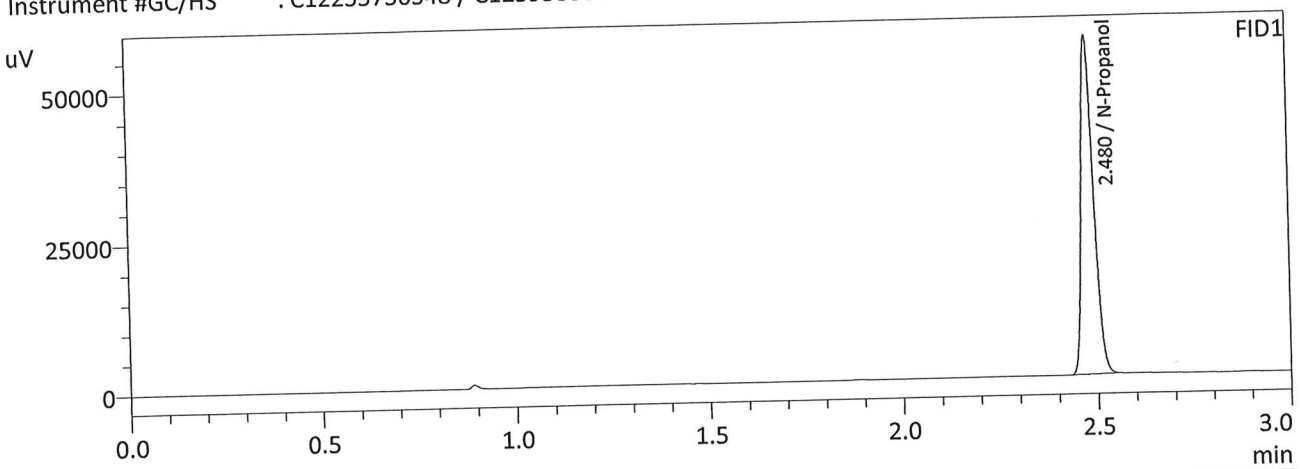
FID1

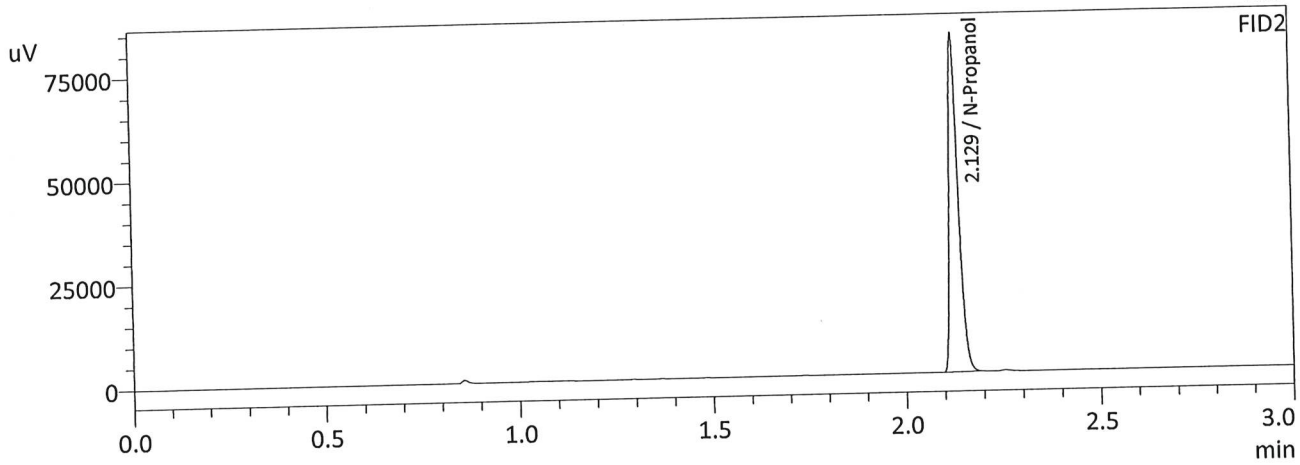
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4999	219022	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199592	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4999	237253	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	216498	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/29/2022 11:21:42 AM
Vial # : 6
Method Filename : C:\LabSolutions\Data\221229\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	124620	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

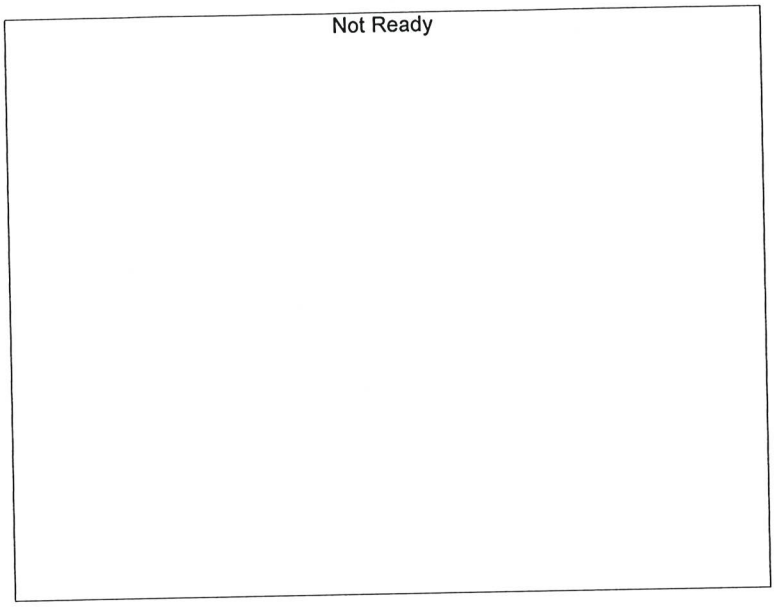
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	134960	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Calibration Table

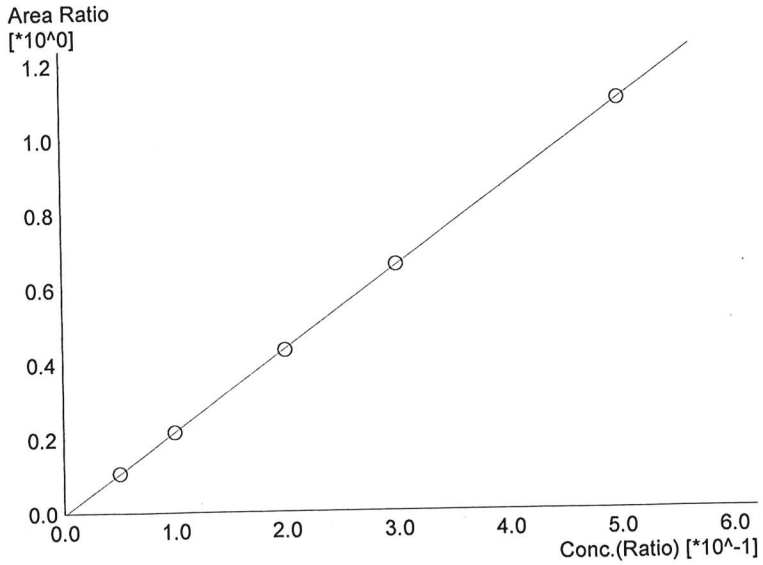
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\221229\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :12/29/2022 11:12:56 AM
Date Created :12/29/2022 11:08:41 AM
Date Modified :12/29/2022 11:15:57 AM



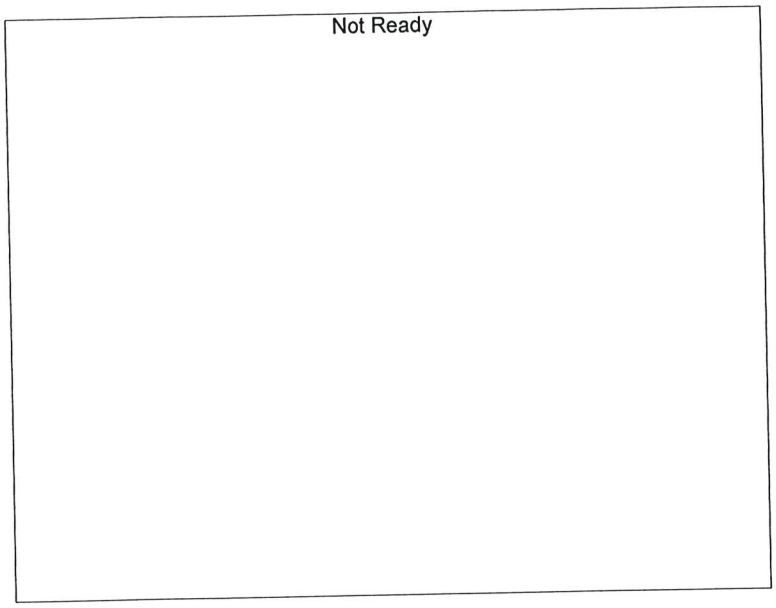
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



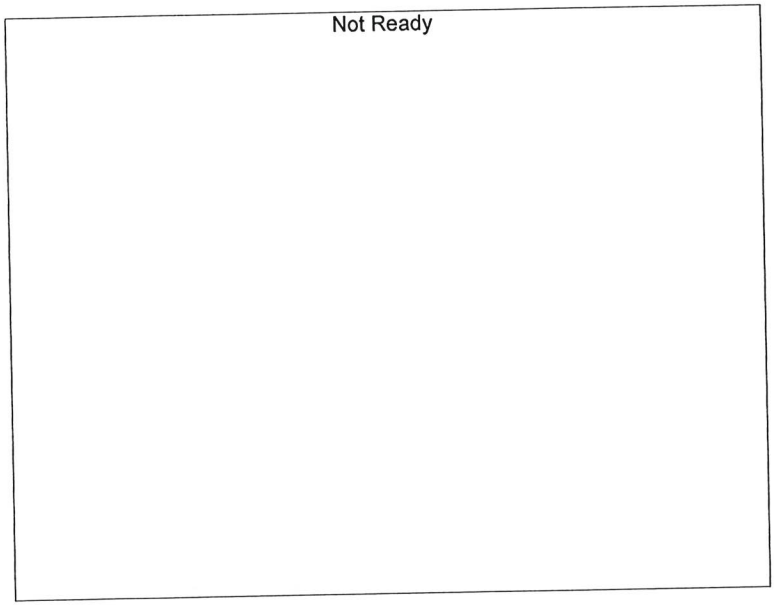
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.20347*x-0.00431848
R^2 value= 0.9999701
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21340	0.0505
2	0.100	41790	0.1001
3	0.200	82970	0.1984
4	0.300	123428	0.3009
5	0.500	219022	0.4999



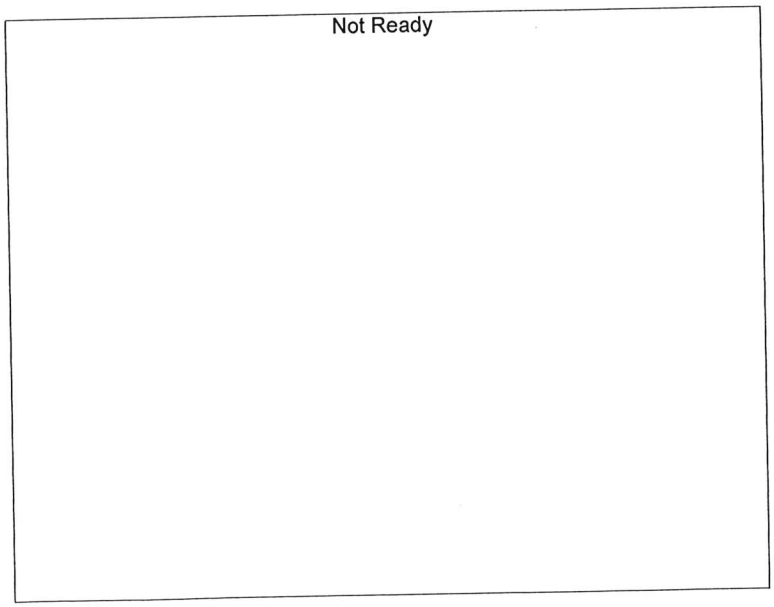
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



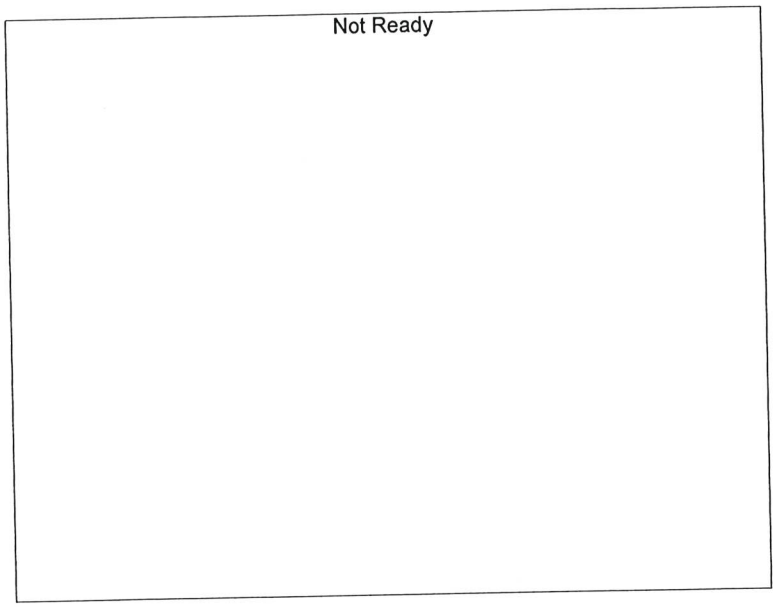
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



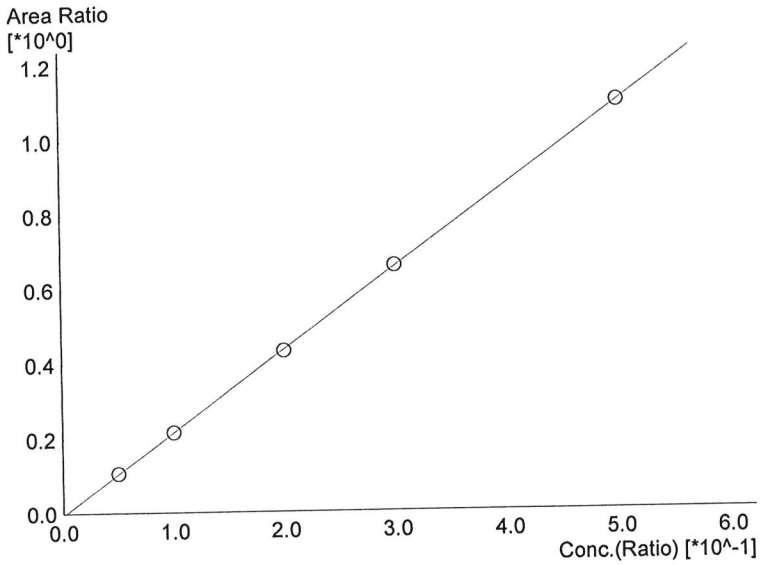
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



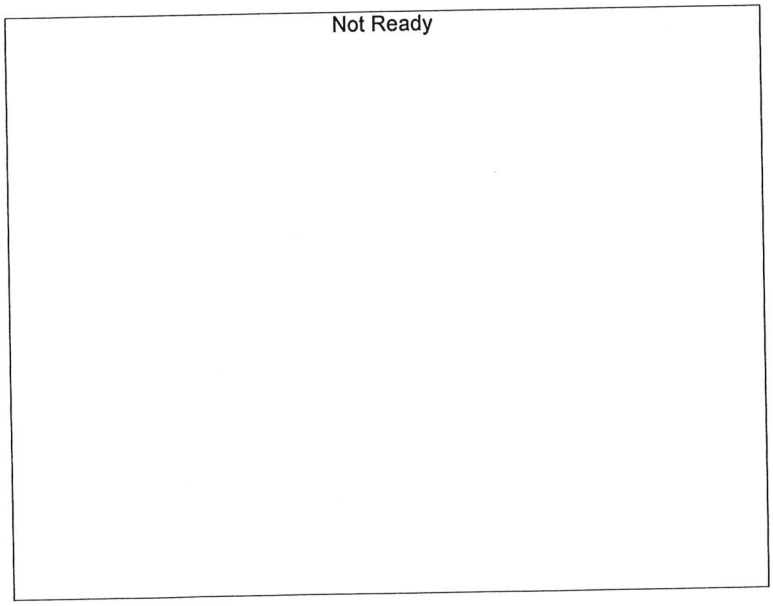
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



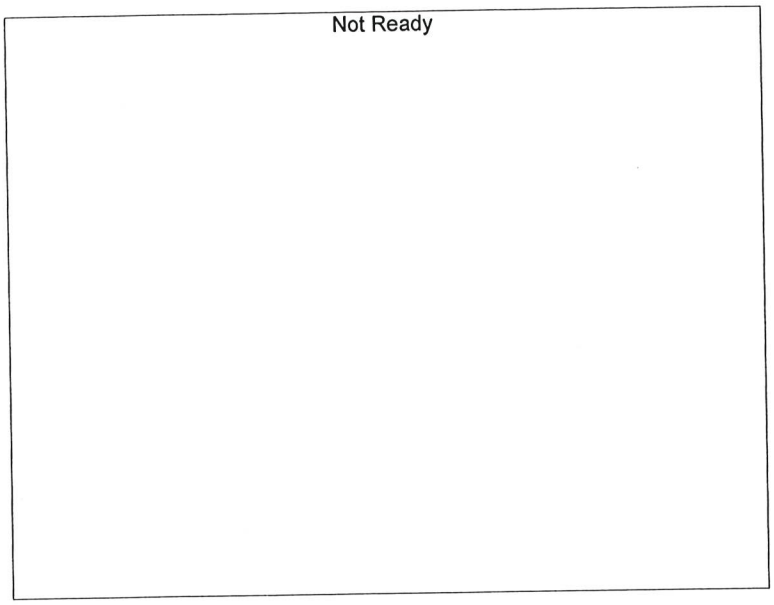
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.20258*x-0.00521936
R^2 value= 0.9999656
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	23021	0.0506
2	0.100	45089	0.0999
3	0.200	89774	0.1983
4	0.300	133694	0.3011
5	0.500	237253	0.4999



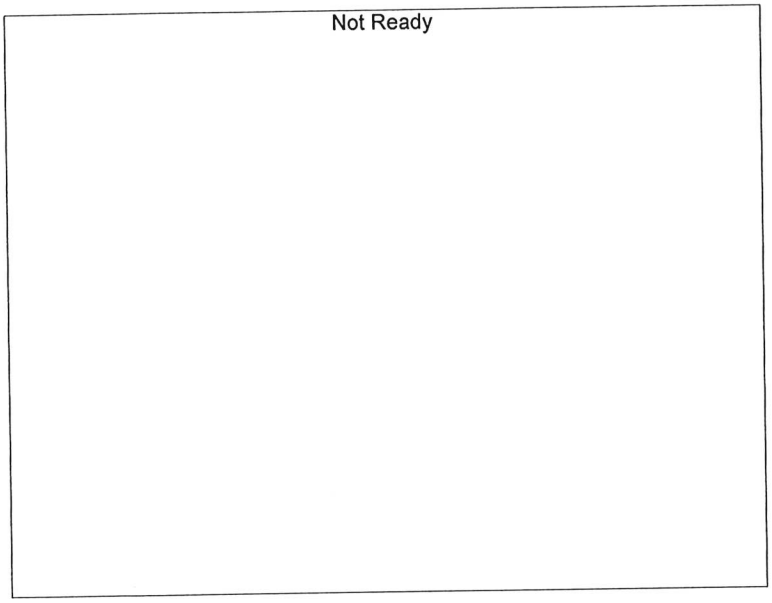
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

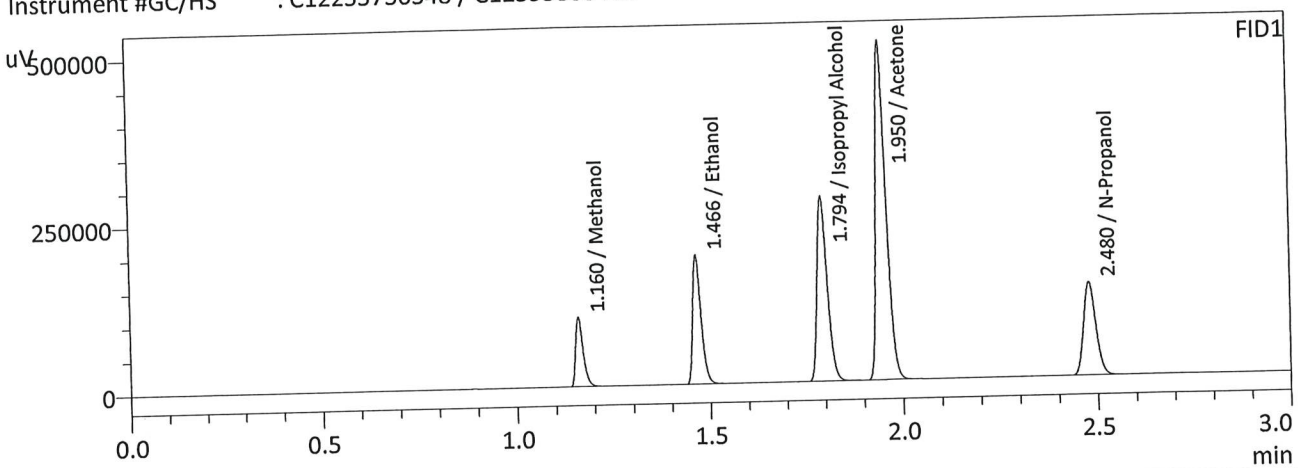
#	Conc.	Area	Std. Conc.

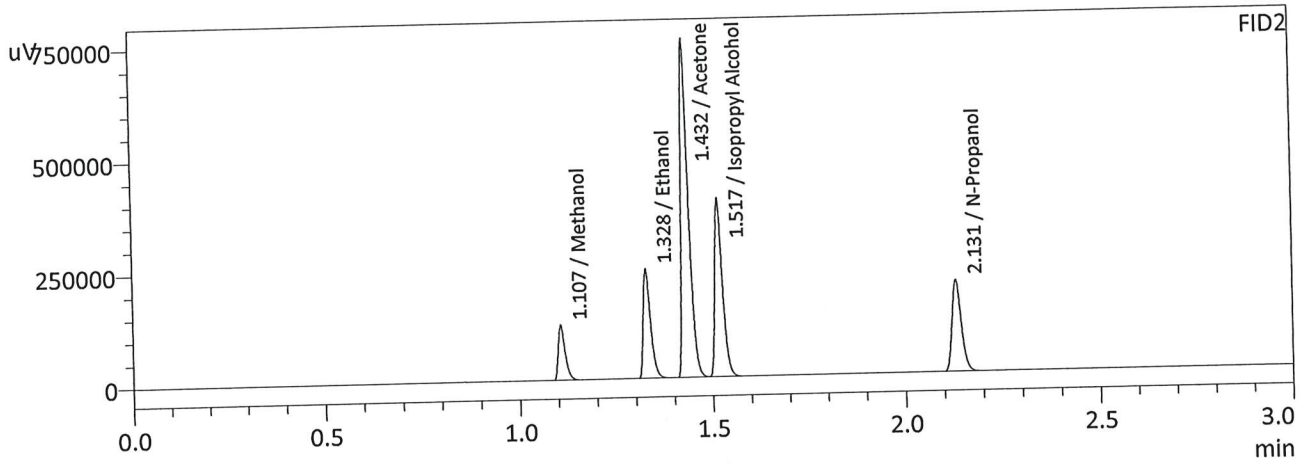
Meridian Blood Alcohol Analysis Batch Table

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

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
7	M2022-5276-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
8	M2022-5276-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
9	M2022-5277-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
10	M2022-5277-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
11	M2022-5282-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
12	M2022-5282-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
13	M2022-5289-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
14	M2022-5289-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
15	M2022-5290-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
16	M2022-5290-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
17	M2022-5306-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
18	M2022-5306-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
19	M2022-5308-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
20	M2022-5308-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
21	M2022-5309-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
22	M2022-5309-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
23	M2022-5311-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
24	M2022-5311-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
27	M2022-5312-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
28	M2022-5312-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
29	M2022-5313-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
30	M2022-5313-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
31	M2022-5315-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
32	M2022-5315-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
33	M2022-5322-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
34	M2022-5322-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
35	M2022-5337-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
36	M2022-5337-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
37	M2022-5338-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
38	M2022-5338-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
39	M2022-5339-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
40	M2022-5339-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
41	M2022-5379-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
42	M2022-5379-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
43	M2022-5380-1-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
44	M2022-5380-1-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
45	QC1-2-A	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
46	QC1-2-B	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
47	INT STD BLK	C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 12/29/2022 12:20:27 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	0.0000	139608	g/100cc
Ethanol	0.4374	293768	g/100cc
Isopropyl Alcohol	0.0000	504616	g/100cc
Acetone	0.0000	933704	g/100cc
N-Propanol	0.0000	306148	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	152019	g/100cc
Ethanol	0.4376	318360	g/100cc
Acetone	0.0000	1010326	g/100cc
Isopropyl Alcohol	0.0000	546331	g/100cc
N-Propanol	0.0000	332097	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QA 0.08 **Item #** **Analysis Date(s): 12/29/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0789	0.0002	0.0790	0.0001	0.0790
(g/100cc)	0.0792	0.0790	0.0002	0.0791		

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

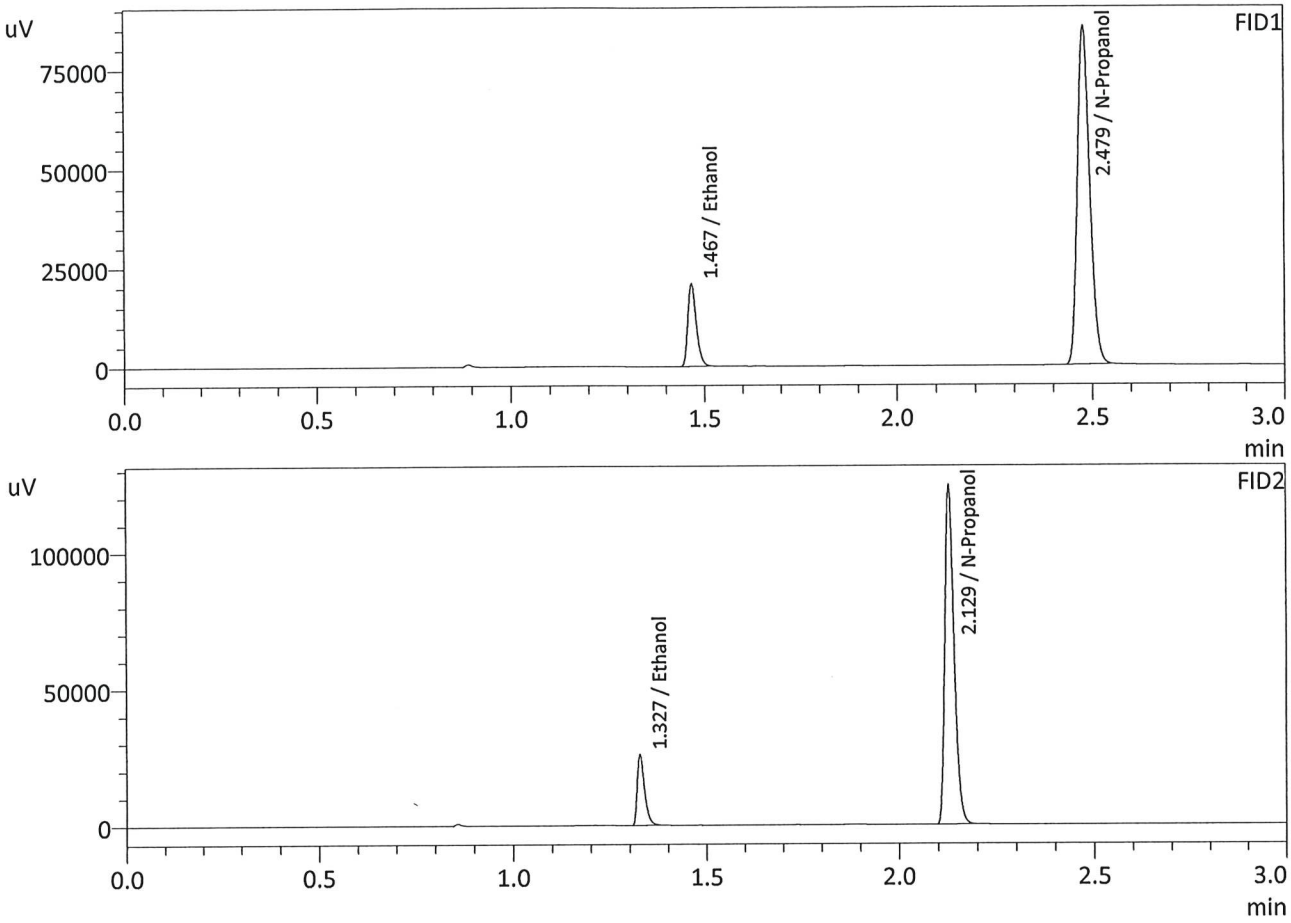
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	Notes:
	0.079	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 12/29/2022 12:44:09 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

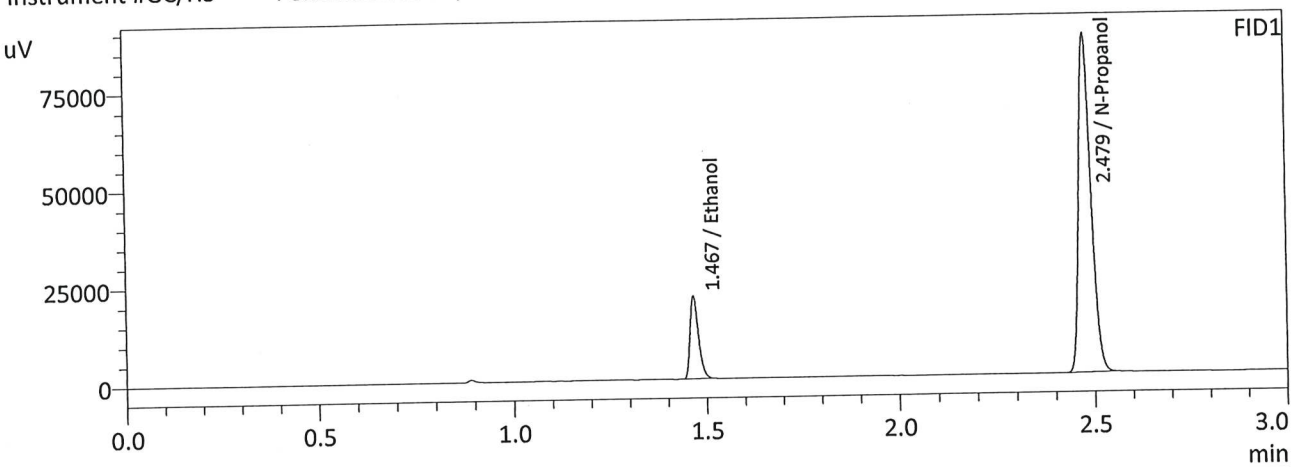
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	32000	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188130	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

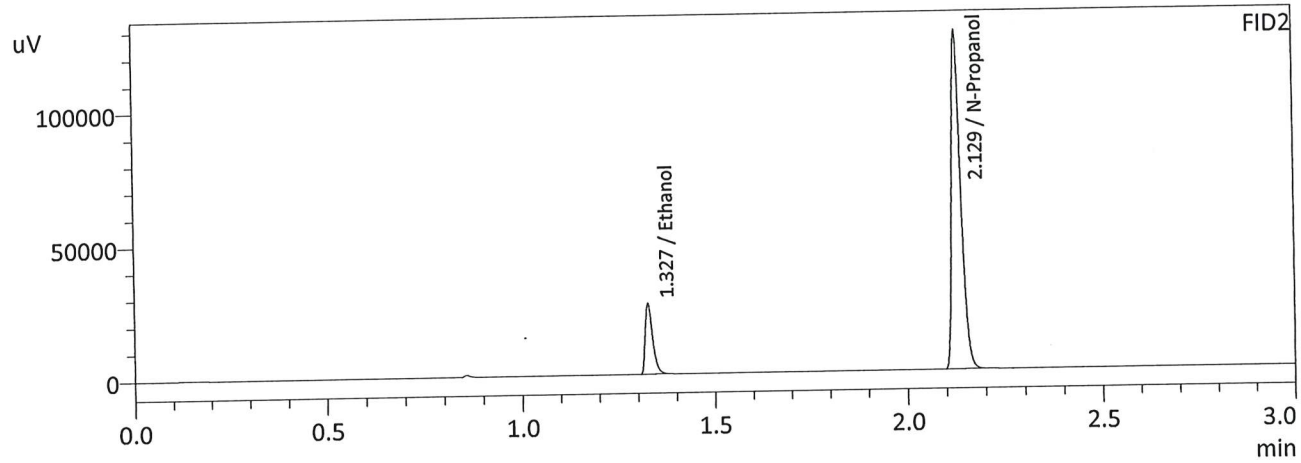
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	34429	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	204152	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 12/29/2022 12:52:32 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	32633	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	191691	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	35178	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	208350	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1 **Item #** **Analysis Date(s): 12/29/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0767	0.0765	0.0002	0.0766	0.0010	0.0771
(g/100cc)	0.0777	0.0775	0.0002	0.0776		

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

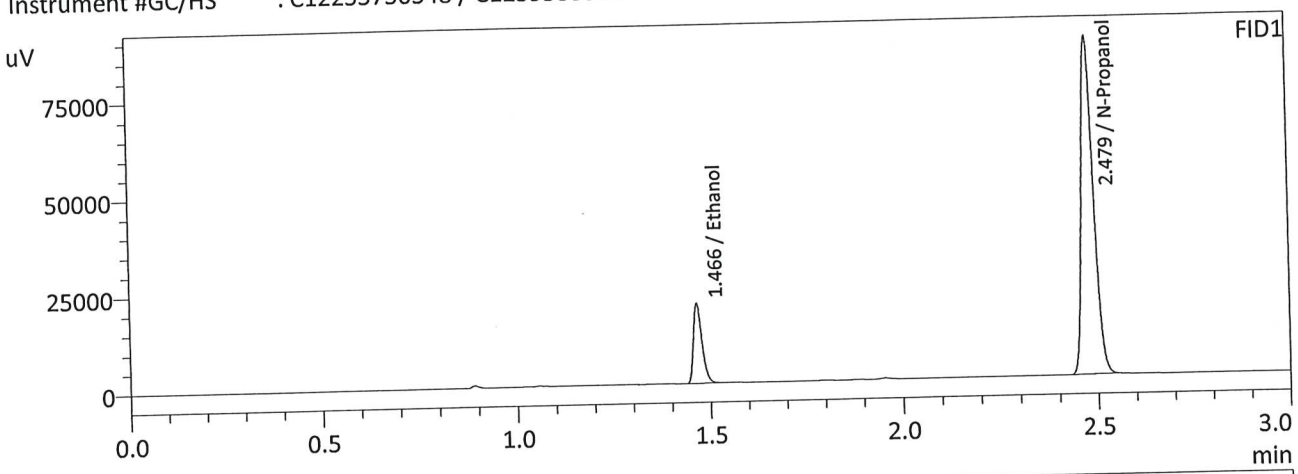
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

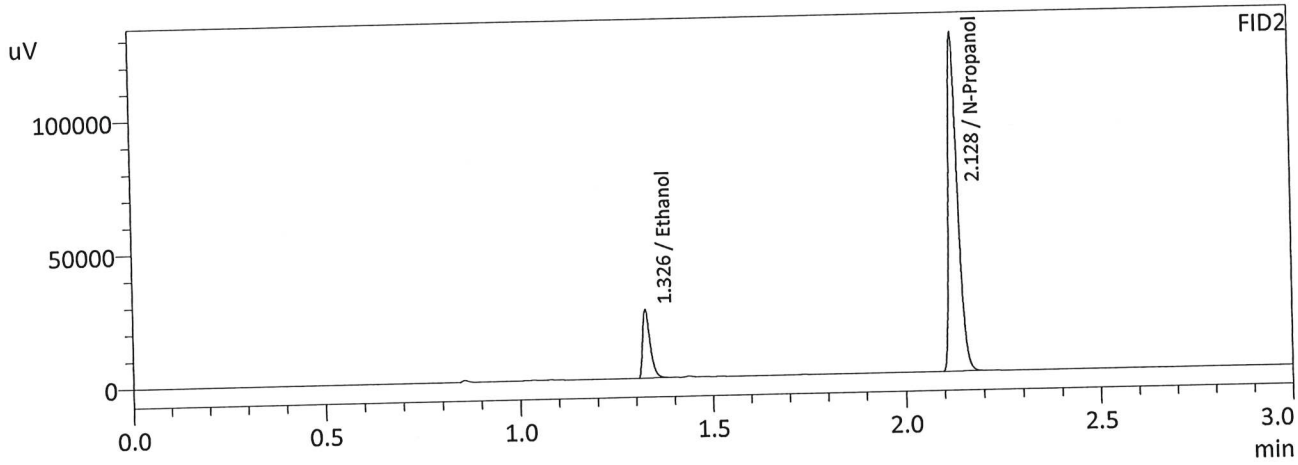
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	Reported Result	
	0.077	**Notes:**

Calibration and control data are stored centrally.

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 12/29/2022 12:27:50 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





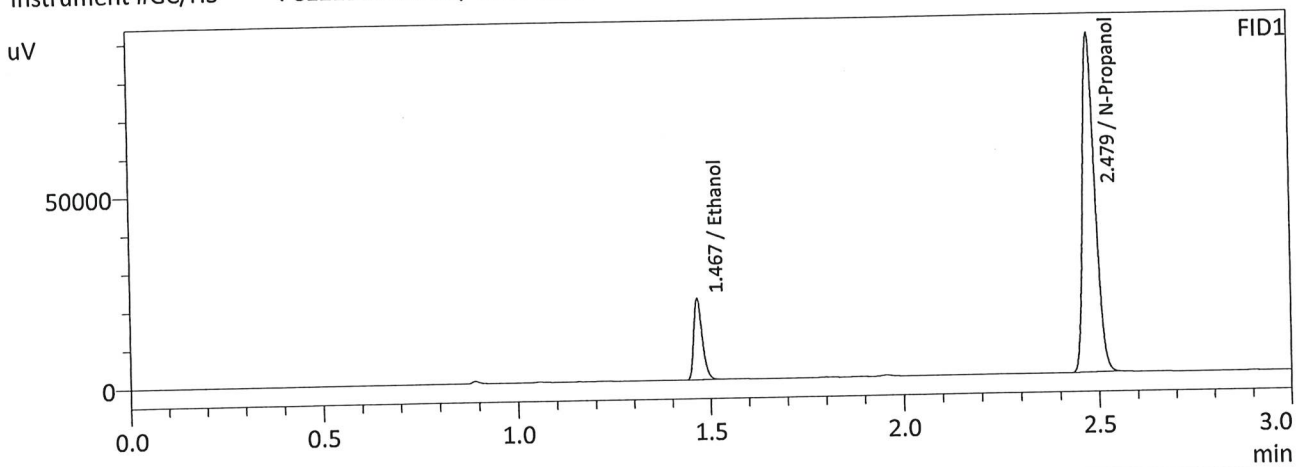
FID1

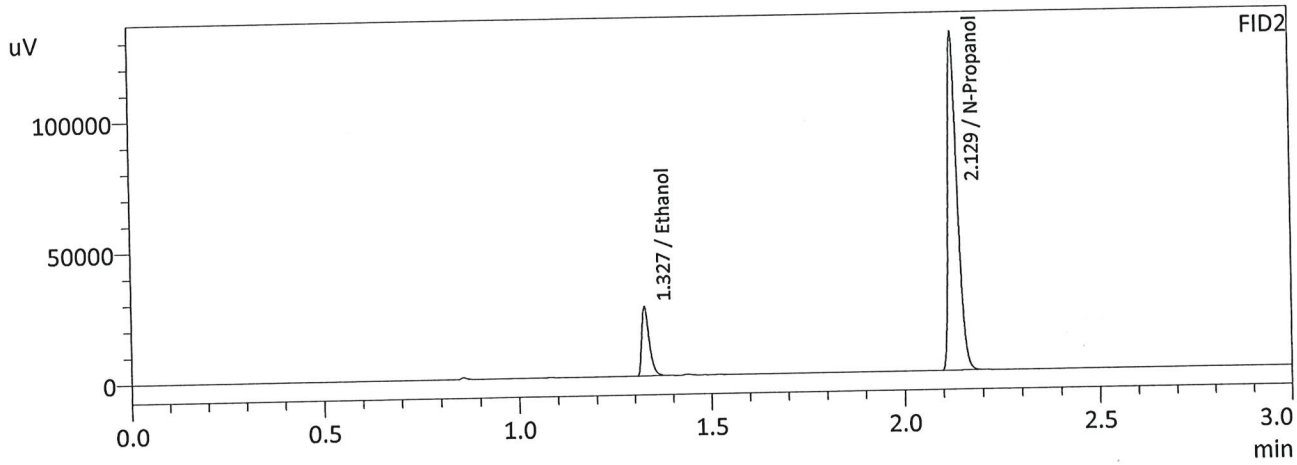
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0767	31729	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192593	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0765	34195	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	209235	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 12/29/2022 12:36:50 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0777	32676	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195745	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	35198	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212637	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 12/29/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0824	0.0824	0.0000	0.0824	0.0002	0.0823
(g/100cc)	0.0821	0.0823	0.0002	0.0822		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

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

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

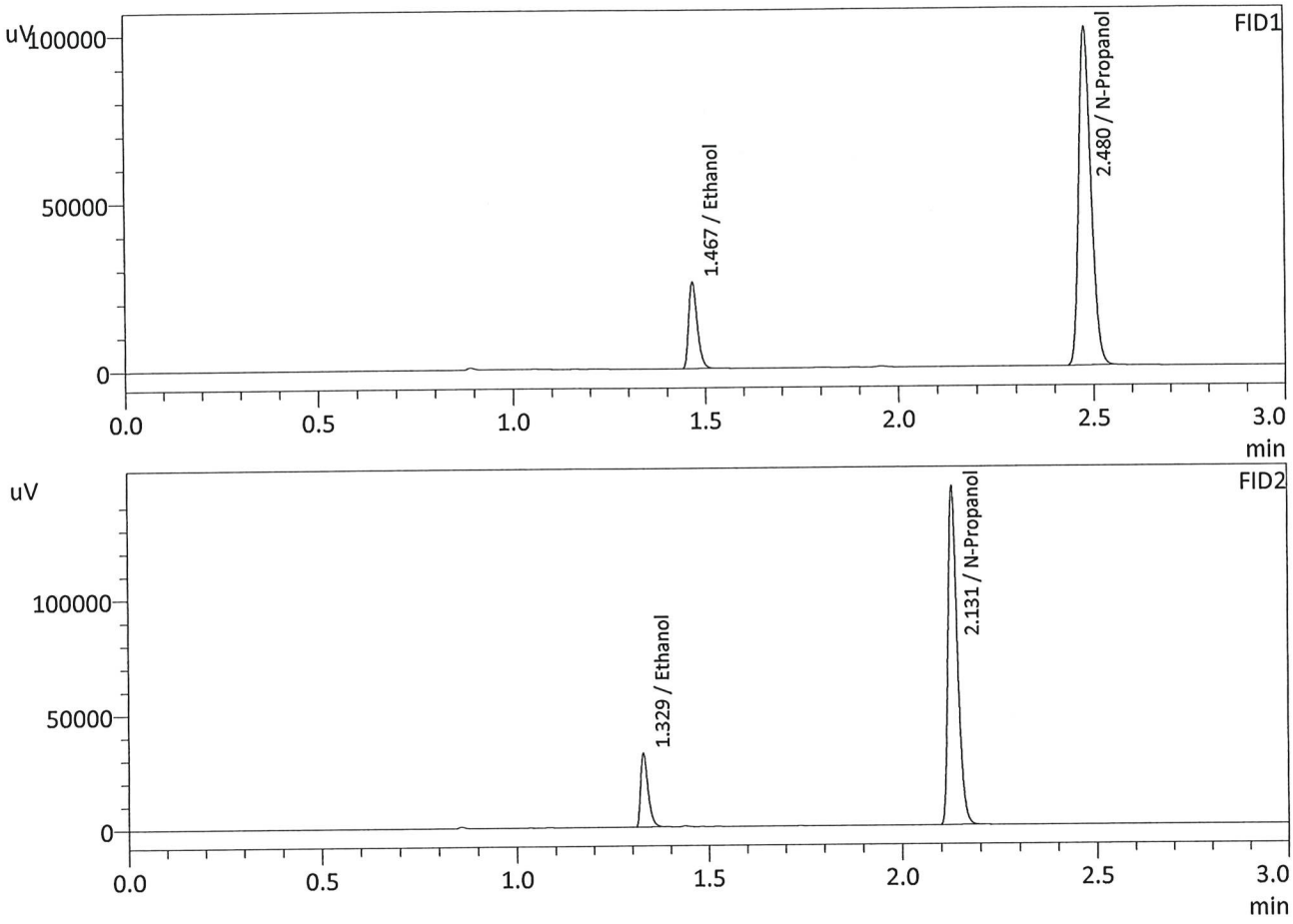
Overall Mean (g/100cc)	Low	High	5% of Mean
0.082	**0.077**	**0.087**	**0.005**

	Reported Result	
	0.082	**Notes:**

Calibration and control data are stored centrally.

W

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 12/29/2022 6:14:20 PM
Vial # : 45
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



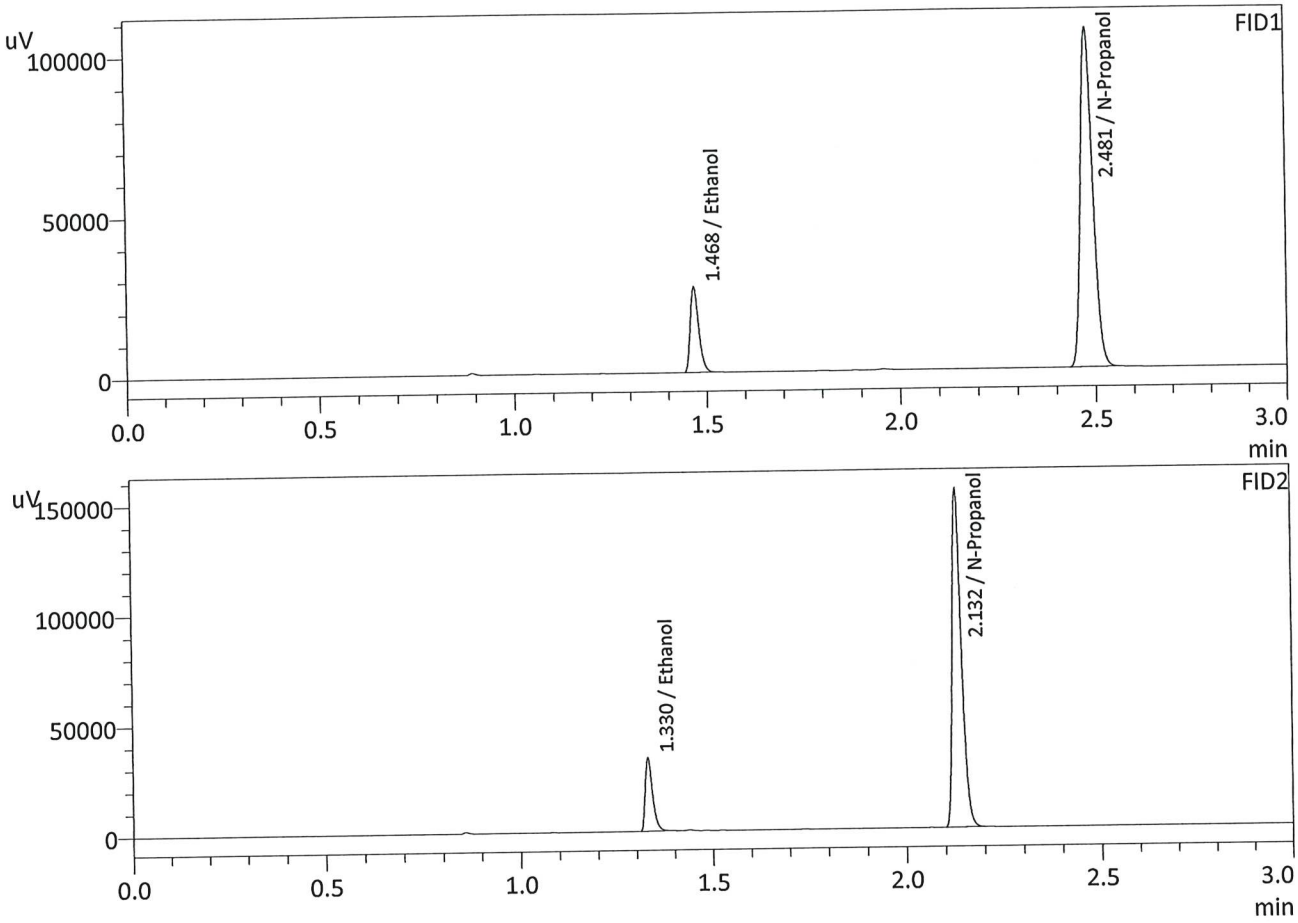
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	39713	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223998	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	42986	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	243724	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 12/29/2022 6:21:30 PM
Vial # : 46
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	40997	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	232076	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0823	44455	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	252425	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 12/29/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2103	0.2110	0.0007	0.2106	0.0016	0.2114
(g/100cc)	0.2122	0.2122	0.0000	0.2122		

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

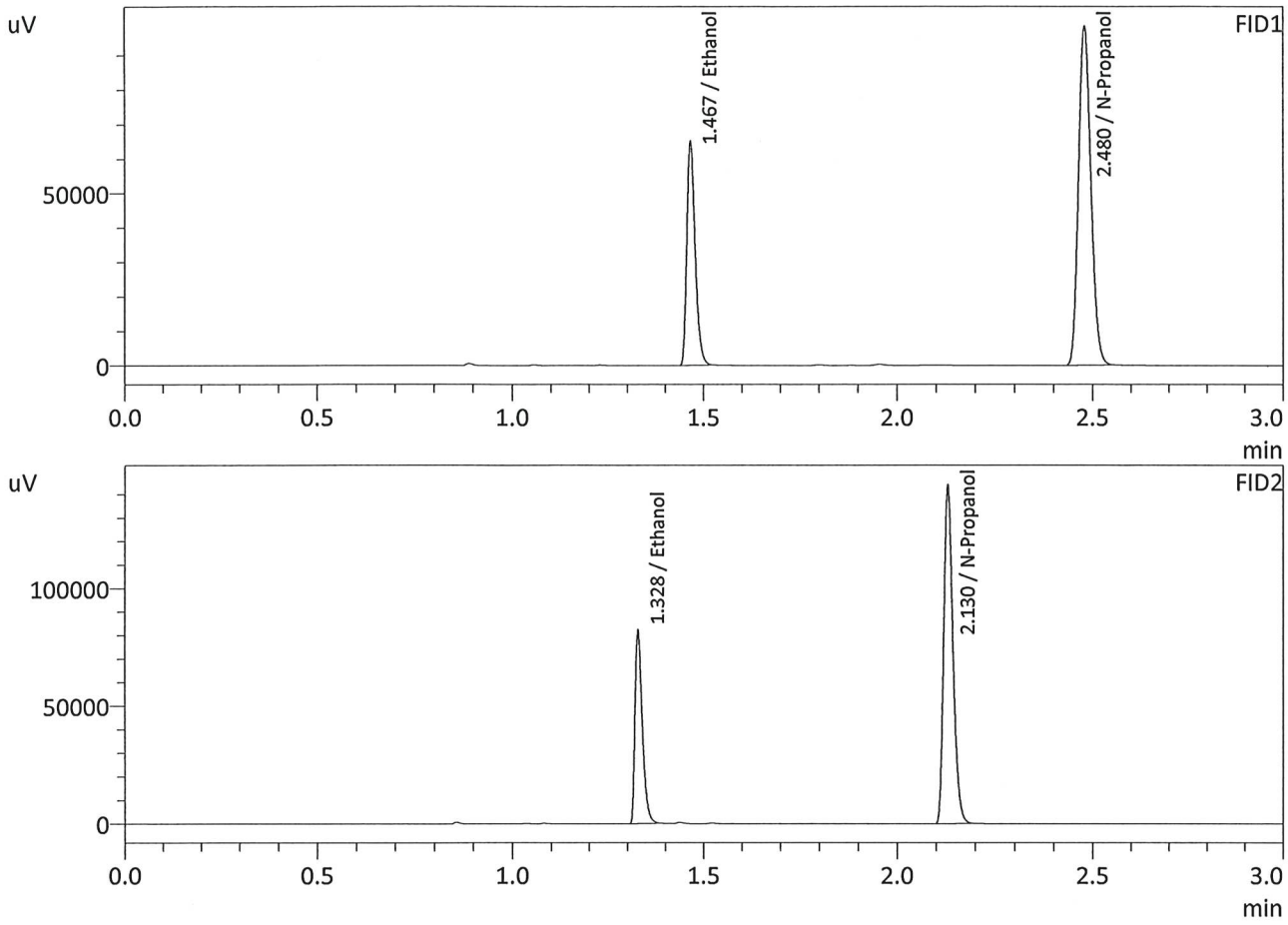
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	**Notes:**

Calibration and control data are stored centrally.

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 12/29/2022 3:27:38 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



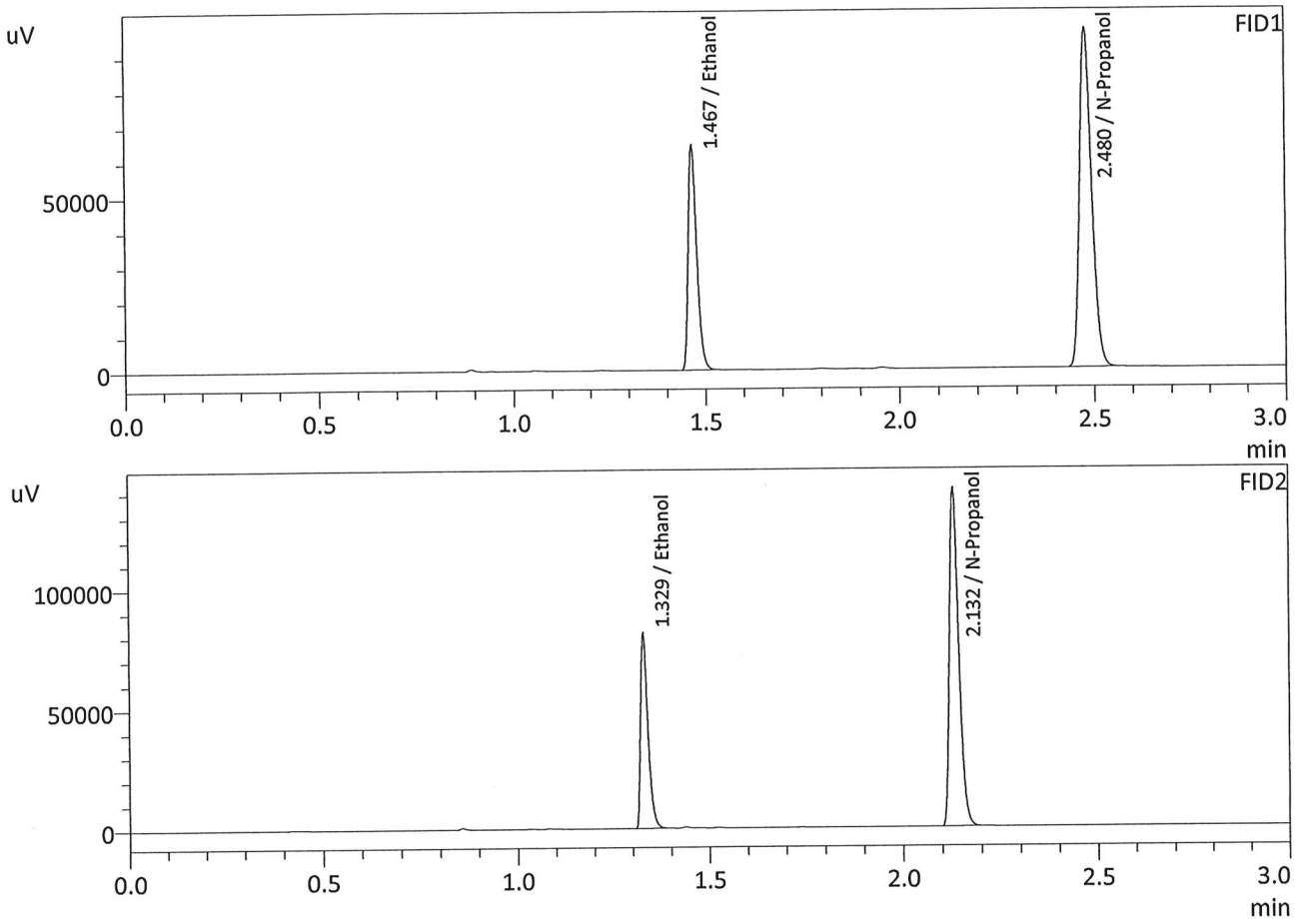
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2103	99844	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217419	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2110	108552	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	236117	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 12/29/2022 3:35:43 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



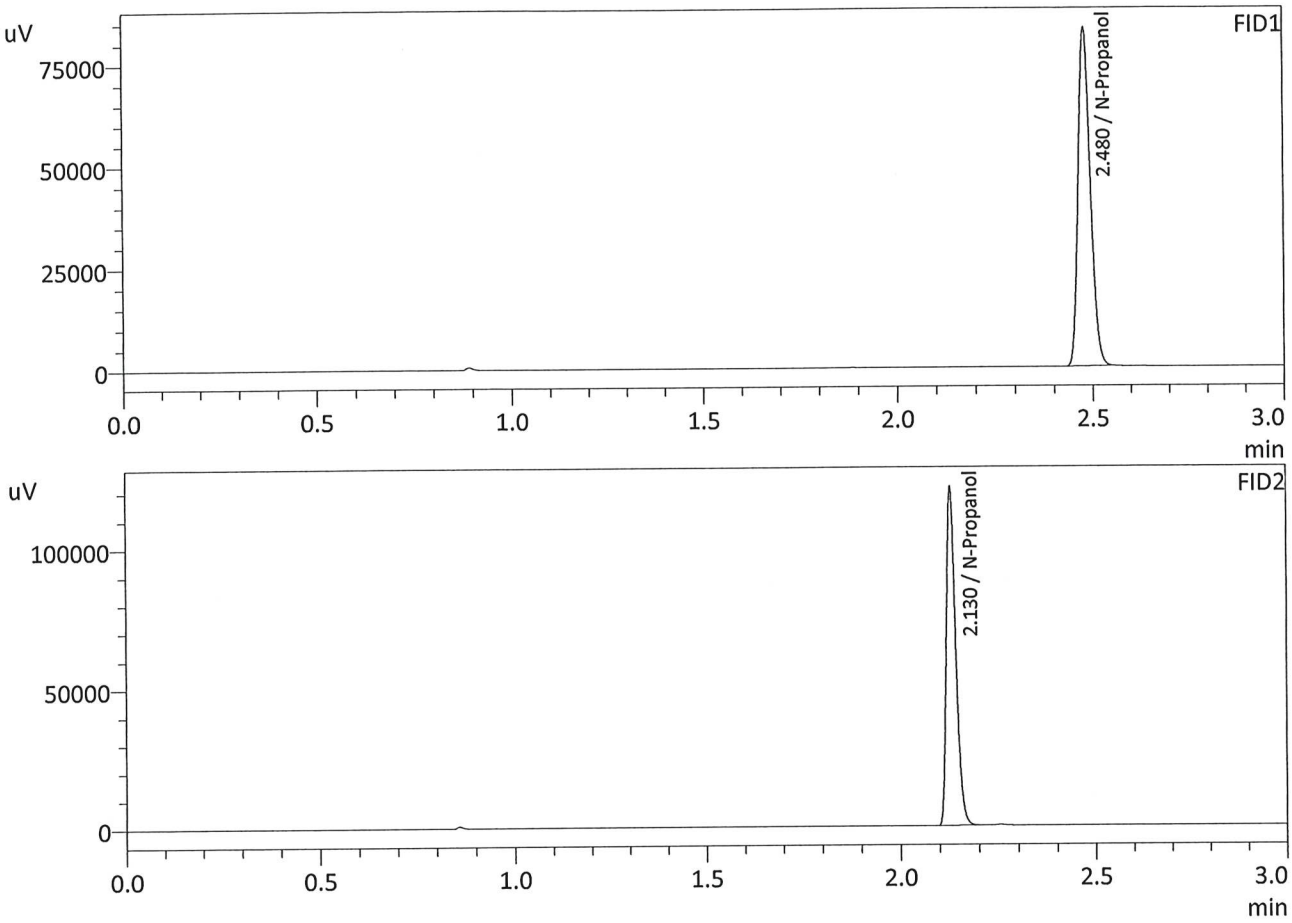
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	99003	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	213683	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2122	107388	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	232294	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 12/29/2022 12:13:09 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\221229\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

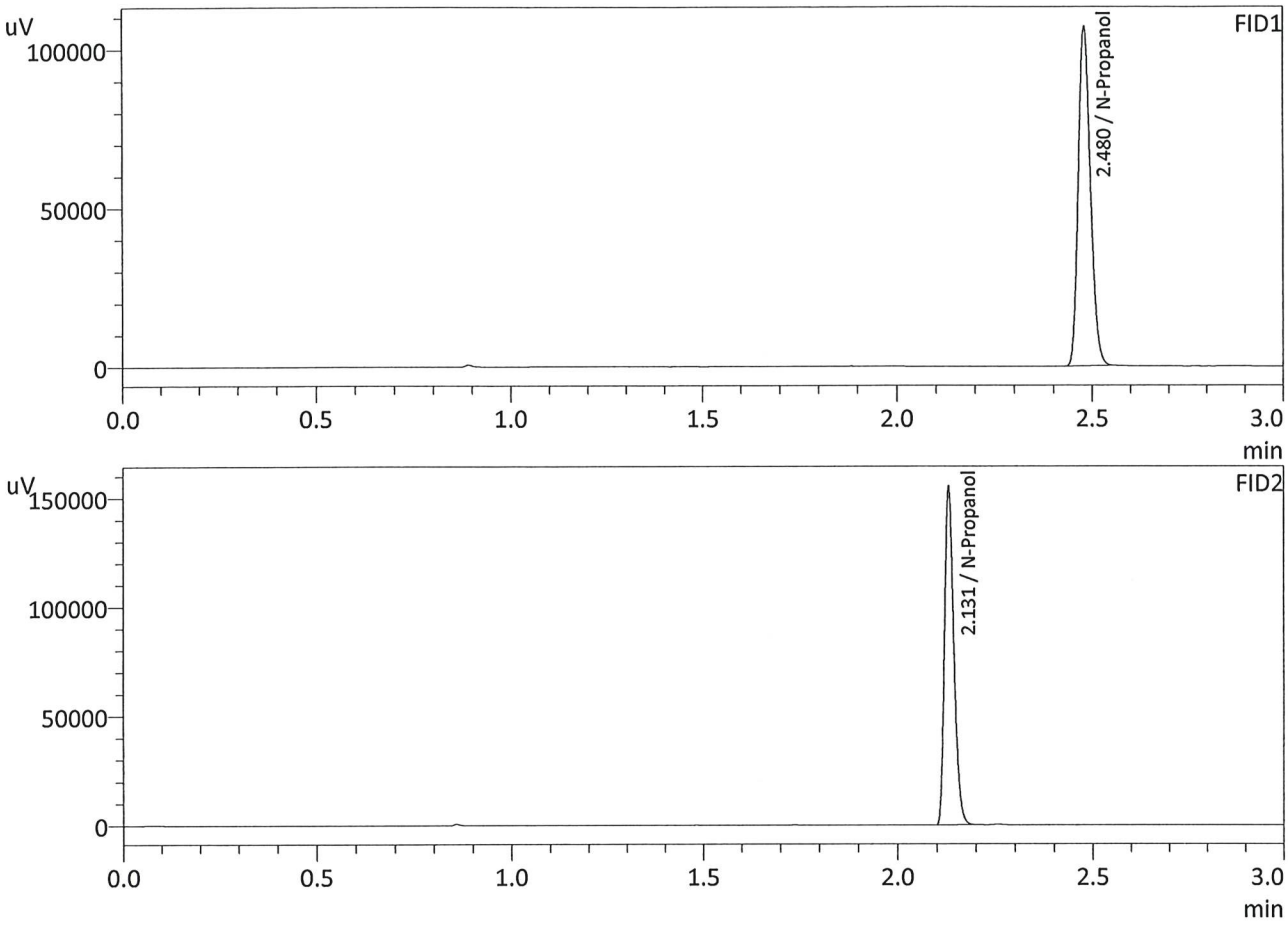
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183882	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	199889	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 12/29/2022 6:29:57 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\221229\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	234952	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	255687	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc