REVIEWED
By Galina Giso at 1:51 pm, Feb 03, 2022

2/2/2022

Worklist: 5558

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-0303	1	BCK	Alcohol Analysis
M2022-0321	1	BCK	Alcohol Analysis
M2022-0324	1	BCK	Alcohol Analysis
M2022-0325	1	BCK	Alcohol Analysis
M2022-0337	1	BCK	Alcohol Analysis
M2022-0347	1	BCK	Alcohol Analysis
M2022-0349	1	BCK	Alcohol Analysis
M2022-0354	1	BCK	Alcohol Analysis
M2022-0371	1	BCK	Alcohol Analysis
M2022-0398	1	BCK	Alcohol Analysis
M2022-0402	1	BCK	Alcohol Analysis
M2022-0403	1	BCK	Alcohol Analysis
M2022-0407	1	BCK	Alcohol Analysis
M2022-0408	1	BCK	Alcohol Analysis
M2022-0417	1	BCK	Alcohol Analysis
M2022-0423	3	BCK	Alcohol Analysis
M2022-0424	1	BCK	Alcohol Analysis
M2022-0434	1	BCK	Alcohol Analysis
M2022-0440	1	BCK	Alcohol Analysis
M2022-0442	9	BCK	Alcohol Analysis
M2022-0452	1	BCK	Alcohol Analysis

Worklist: 5558

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-0453	1	BCK	Alcohol Analysis
M2022-0454	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: L600HC11378

Volatiles Quality Assurance Controls **Run Date(s): 2/2/22**

Calibration Date: 1/20/22; extraction: 2/2/22

Worklist #: 5558

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0754 g/100cc
					0.0791 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2172 g/100cc
					0.2203 g/100cc
					g/100cc

Multi-Component mixture:	**Exp:**	**Jul-22**	**Lot #**	FN07101701		acceptable
Curve Fit:		**Column 1**	0.99990		**Column2**	0.99996

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	0.0513	0.0008	0.0517
100	0.100	0.090 - 0.110	0.0993	0.0992	0.0001	0.0992
200	0.200	0.180 - 0.220	0.1990	0.1999	0.0009	0.1994
300	0.300	0.270 - 0.330	0.2979	0.2985	0.0006	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5015	0.5009	0.0006	0.5012

Internal Standard	Average	(-) 20%	(+) 20%
N-Propanol:	204219.0	163375.2	245062.8

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.082 g/100cc

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Revision: 4
Issue Date: 01/24/2022
Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #: 5558 **Run Date(s):** 2/2/22

Internal Standard Solution:	Prep Date: 10/29/21	Exp Date: 4/29/22

Sample Name	Column 1 Value	Column 2 Value	Average
0.080A	192151	181386	186768.5
0.080B	196390	185609	190999.5
QC1-1A	188567	178381	183474
QC1-1B	195367	184604	189985.5
QC1-2A	228442	215703	222072.5
QC1-2B	218051	206263	212157
QC2-1A	212874	201307	207090.5
QC2-1B	217944	205917	211930.5
QC2-2A	230719	217477	224098
QC2-2B	219683	207545	213614
			#DIV/0!
			#DIV/0!
			#DIV/0!
			#DIV/0!

Combined Average	(-)20%	(+)20%
204219.0	163375.2	245062.8

Revision: 4
Issue Date: 01/24/2022
Issuing Authority: Quality Manager

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): **BLA-22-01**

Date of Request: **1/21/2022**

Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol

Analytical Method/Quality Standard, Revision #: AM#1 Analysis for Volatiles by Headspace GC/ 4.3.9

Temporary or Permanent Deviation: Permanent

Scope of Deviation There is a noticeable increased drift of internal standard (n-propanol signals) from the calibrators, beginning of the run and towards the end of the sample run that is consistent in multiple batches of blood alcohol runs. Because all the samples that are analyzed are being compared to calibrators that are performed at the beginning of the run, the n-propanol signal of end samples tend to be outside or close to being outside of the +/- 20% of the mean value from the calibration curve used Despite this drift the values of known control samples are within acceptable limits.

Deviation Request

4.3.9.1.1 The average values for the internal standard will be established by averaging the IS counts throughout the calibration curve samples.

Requesting that the internal standard monitoring average be changed to average the aqueous and matrix controls within the run.

> 4.3.9.1.1 The average values for the internal standard will be established by averaging the IS counts from the aqueous control and all matrix blood control samples.

Technical Justification for Analytical Method Deviations:
The designed purpose of the internal standard monitoring is to evaluate the quality of injection of each sample. There is a gradual increase of internal standard response from the beginning of the batch (calibrators and early samples) to the end that is inherent to the current instrument set up as shown in trends from previous batches in multiple laboratories. Attempts to pre-condition/warm up the instrument using by running a pre-batch sequence utilizing old calibrator/blank samples prior to running a new calibration curve did not appear to minimize this occurrence. Furthermore, it can be seen that the drifting trend is not due to the extraction procedure because some of the later batch samples were extracted prior to the samples that are injected during the run. It is worth noting that despite this

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trend, the values of the known control samples are still within the specified acceptable range. By utilizing known control n-propanol signals throughout the batch, any potential drift will be taken into account while still being able to monitor a possible mis-injection or partial injection throughout the batch/sequence.

This deviation will have an expiration date of July 1st, 2022.

Technical Review

☒ Departure approved
Comments: Forms will be updated to reflect the new process concurrent with the deviation.

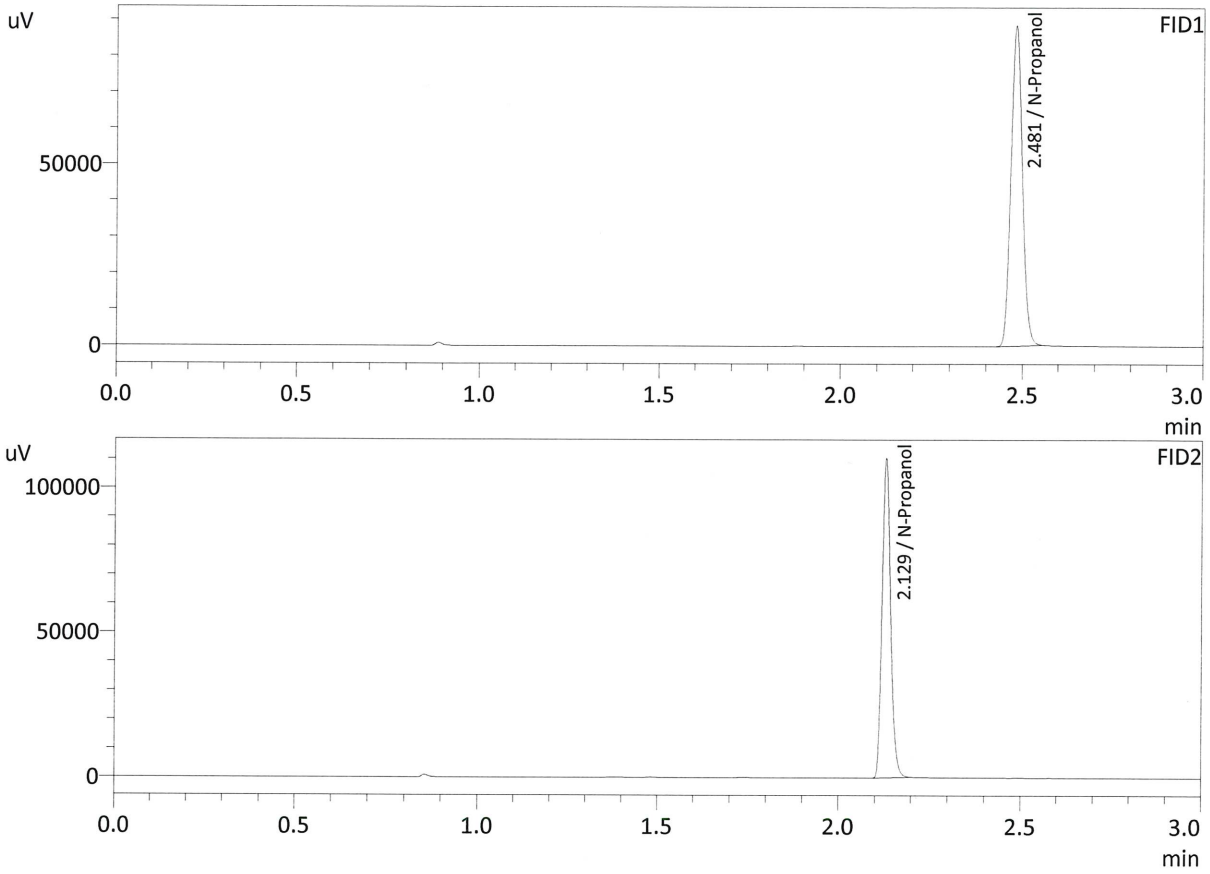
☐ Departure Not Approved
Comments:

Approver: Date: 1/21/22
Title: Discipline Lead

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 01/24/2022

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 2/2/2022 12:52:08 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



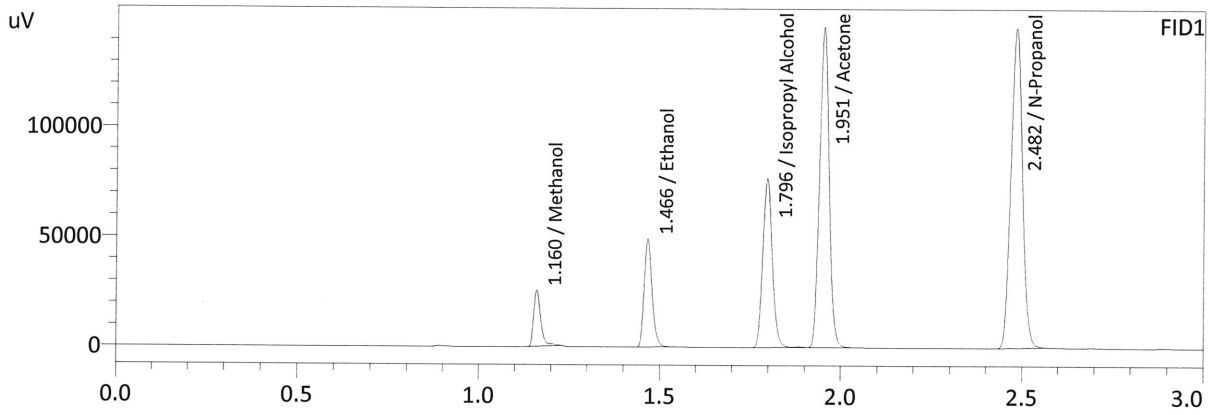
FID1

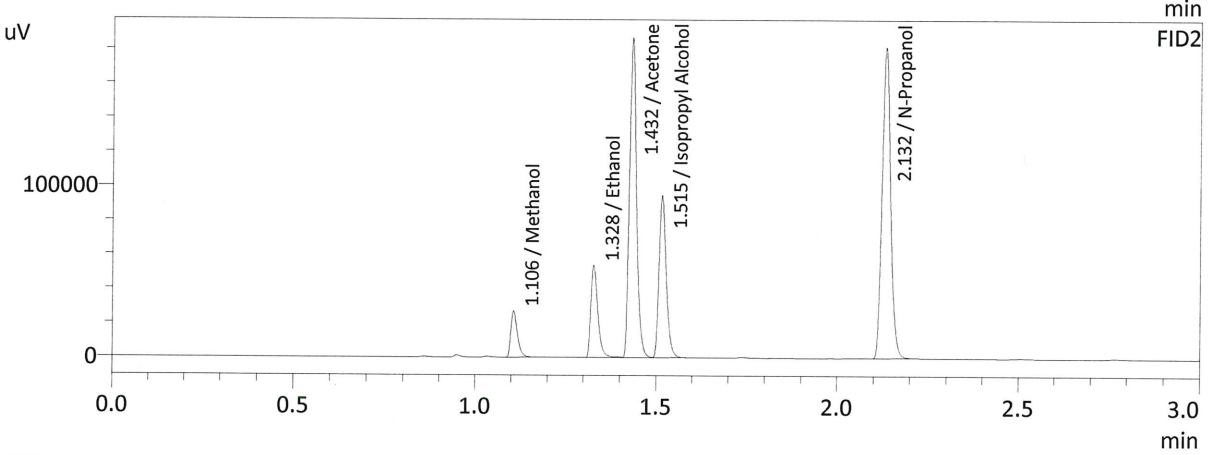
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193960	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	183552	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 07101701
Laboratory : Meridian
Injection Date : 2/2/2022 12:59:27 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





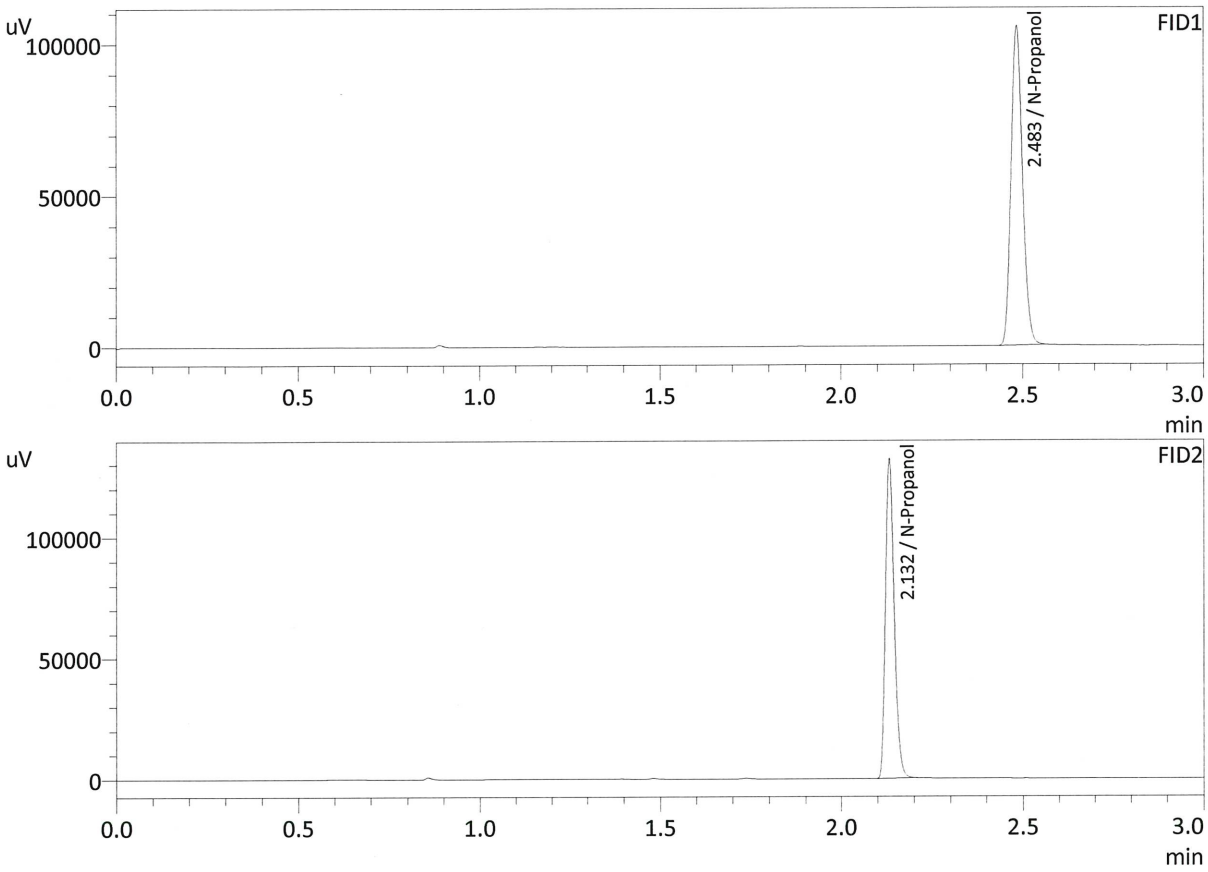
FID1

Name	Conc.	Area	Unit
Methanol	0.0000	35429	g/100cc
Ethanol	0.1124	75040	g/100cc
Isopropyl Alcohol	0.0000	141825	g/100cc
Acetone	0.0000	268707	g/100cc
N-Propanol	0.0000	319974	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	33729	g/100cc
Ethanol	0.1141	71904	g/100cc
Acetone	0.0000	250881	g/100cc
Isopropyl Alcohol	0.0000	133044	g/100cc
N-Propanol	0.0000	299563	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 2/2/2022 8:42:29 PM
Vial # : 59
Method Filename : C:\LabSolutions\Data\220120\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	231697	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	219089	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080 **Item #** **Analysis Date(s): 2/2/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0819	0.0813	0.0006	0.0816	0.0021	0.0826
(g/100cc)	0.0838	0.0837	0.0001	0.0837		

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

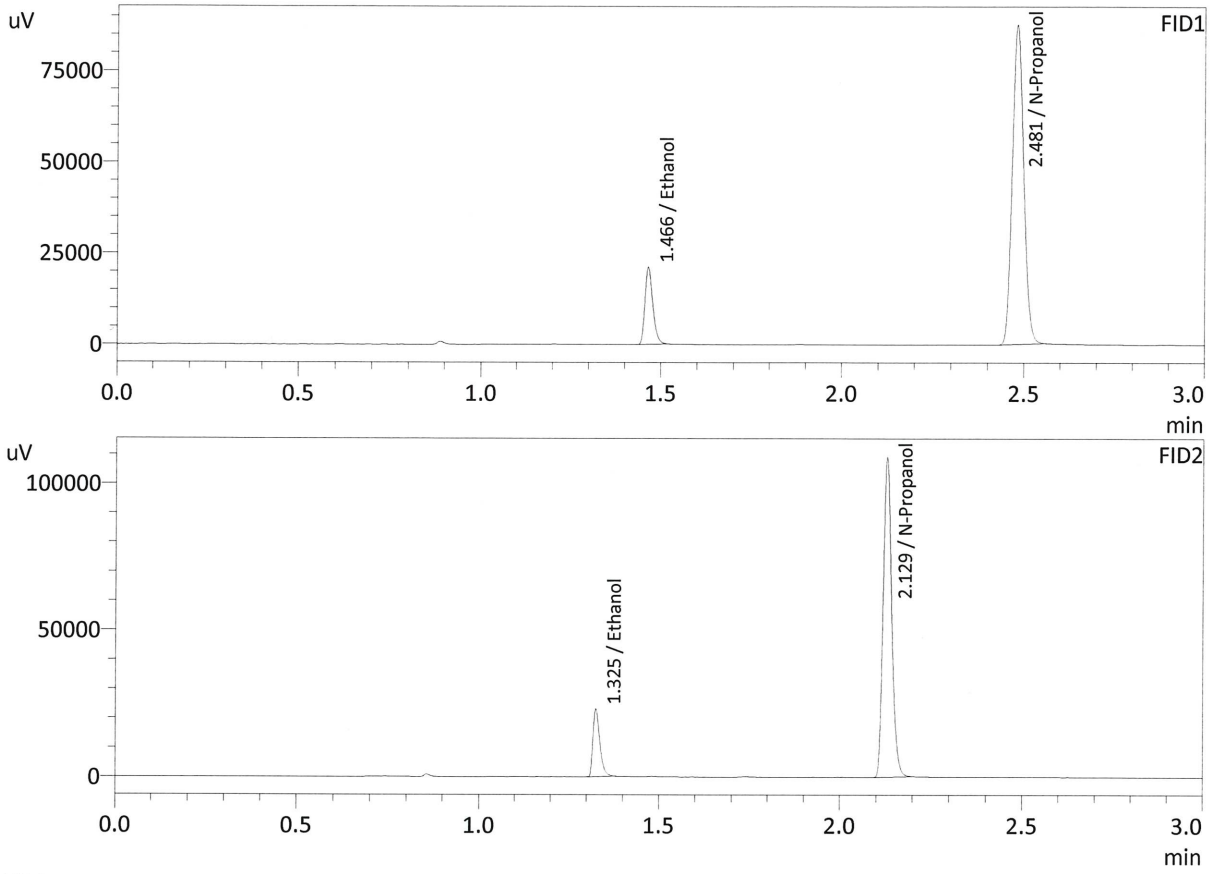
Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 2/2/2022 1:23:22 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

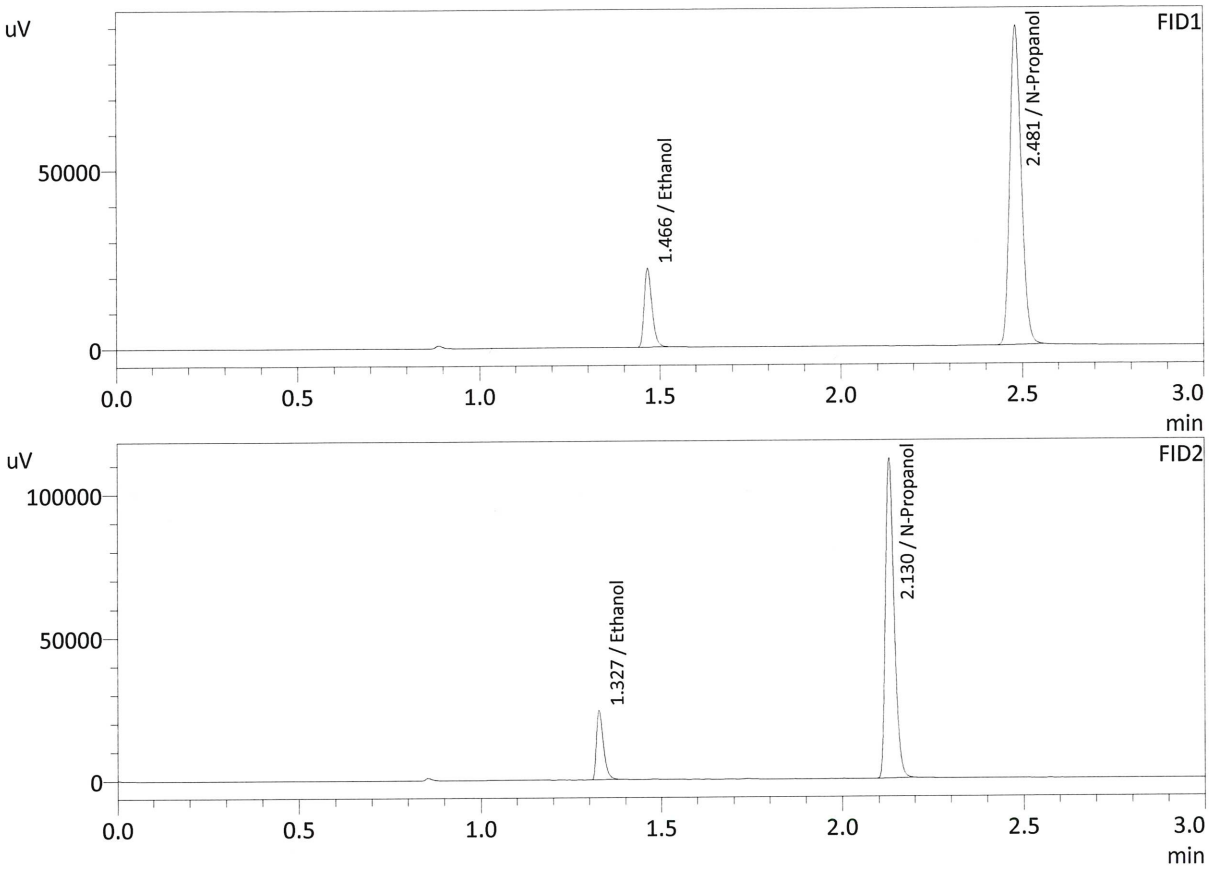
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	32233	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192151	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	30687	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	181386	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 2/2/2022 1:31:56 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0838	33752	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196390	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0837	32330	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185609	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1 -1 **Item #** **Analysis Date(s): 2/2/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0757	0.0753	0.0004	0.0755	0.0001	0.0754
(g/100cc)	0.0756	0.0753	0.0003	0.0754		

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%**

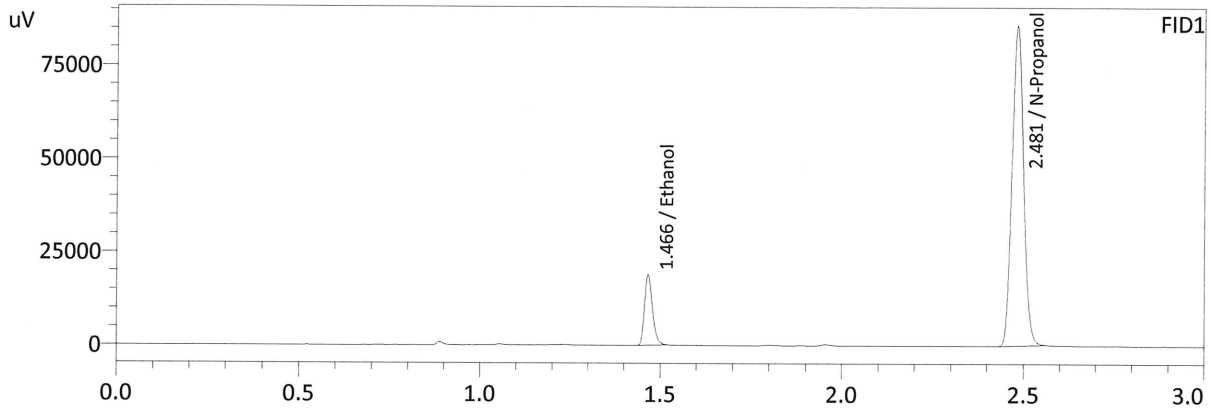
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

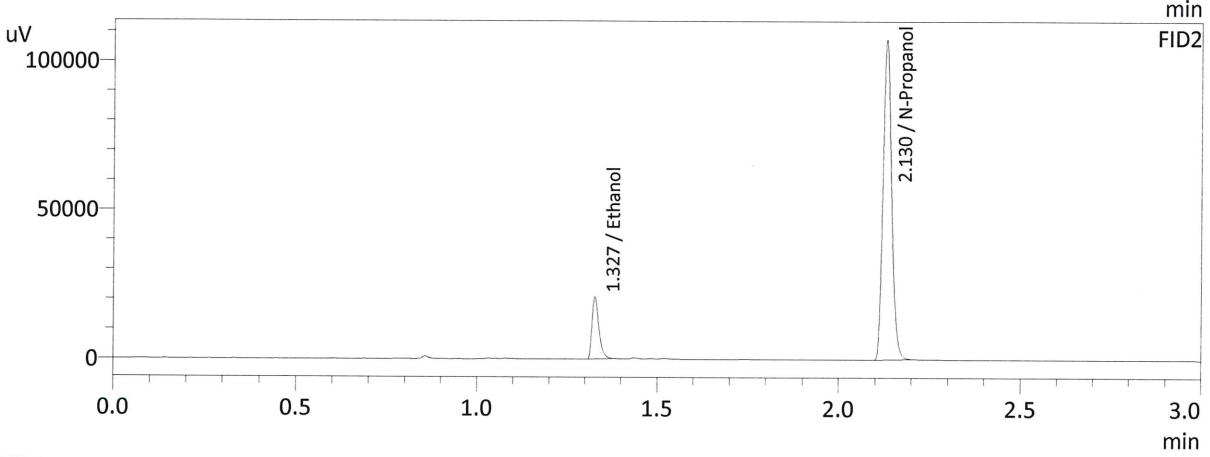
	Reported Result	
	0.075	

Calibration and control data are stored centrally.

NB

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 2/2/2022 1:07:08 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





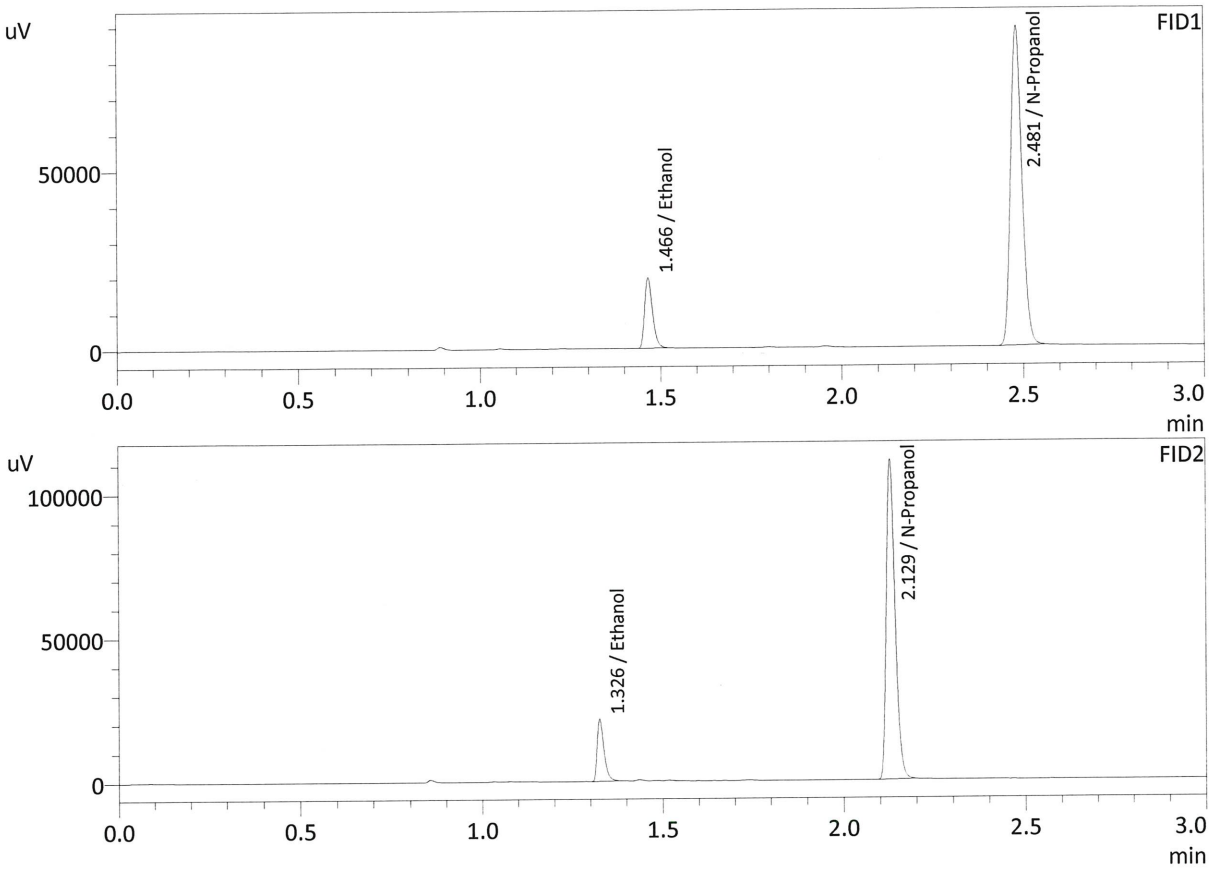
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0757	29077	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	188567	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0753	27842	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	178381	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 2/2/2022 1:15:35 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	30094	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195367	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0753	28808	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184604	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2 **Item #** **Analysis Date(s): 2/2/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0793	0.0792	0.0001	0.0792	0.0001	0.0791
(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%**

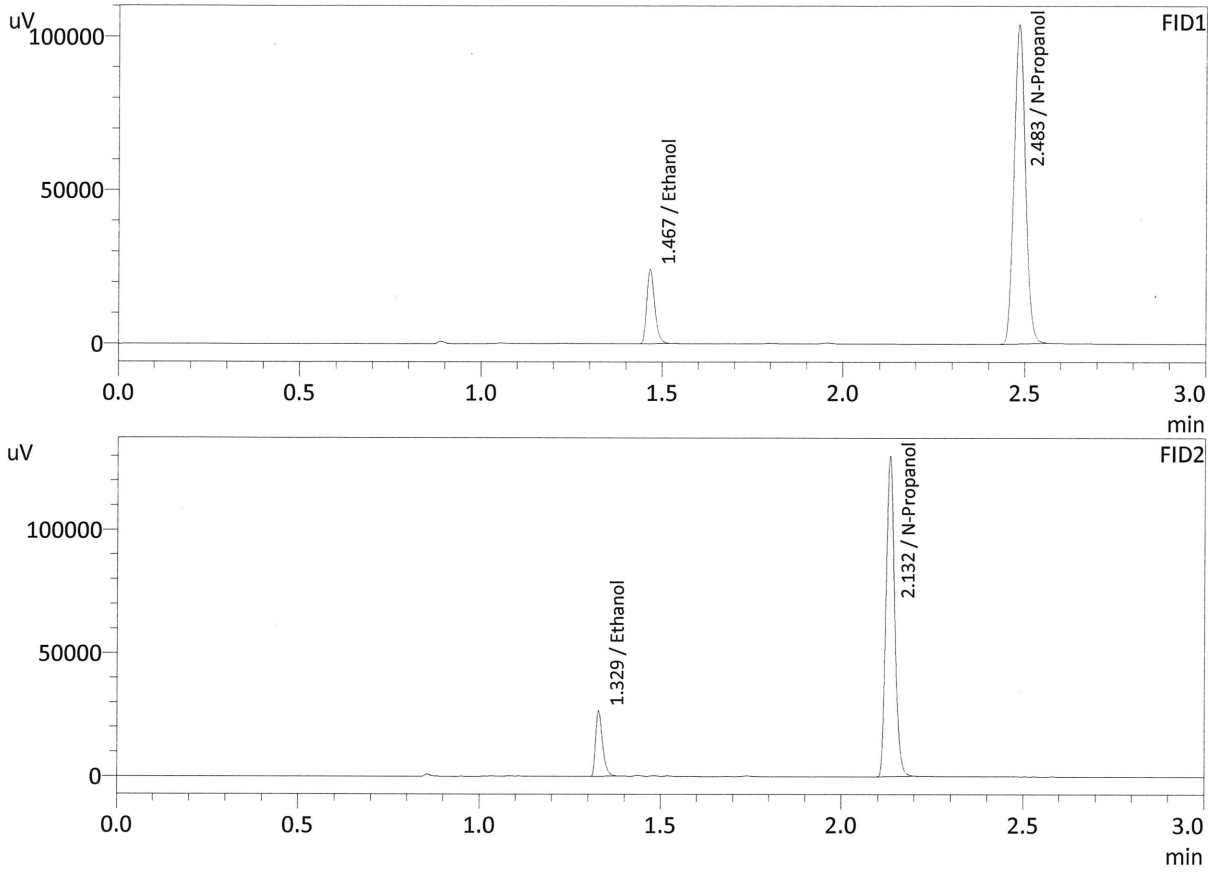
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

NB

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 2/2/2022 7:04:25 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0793	37015	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228442	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	35487	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215703	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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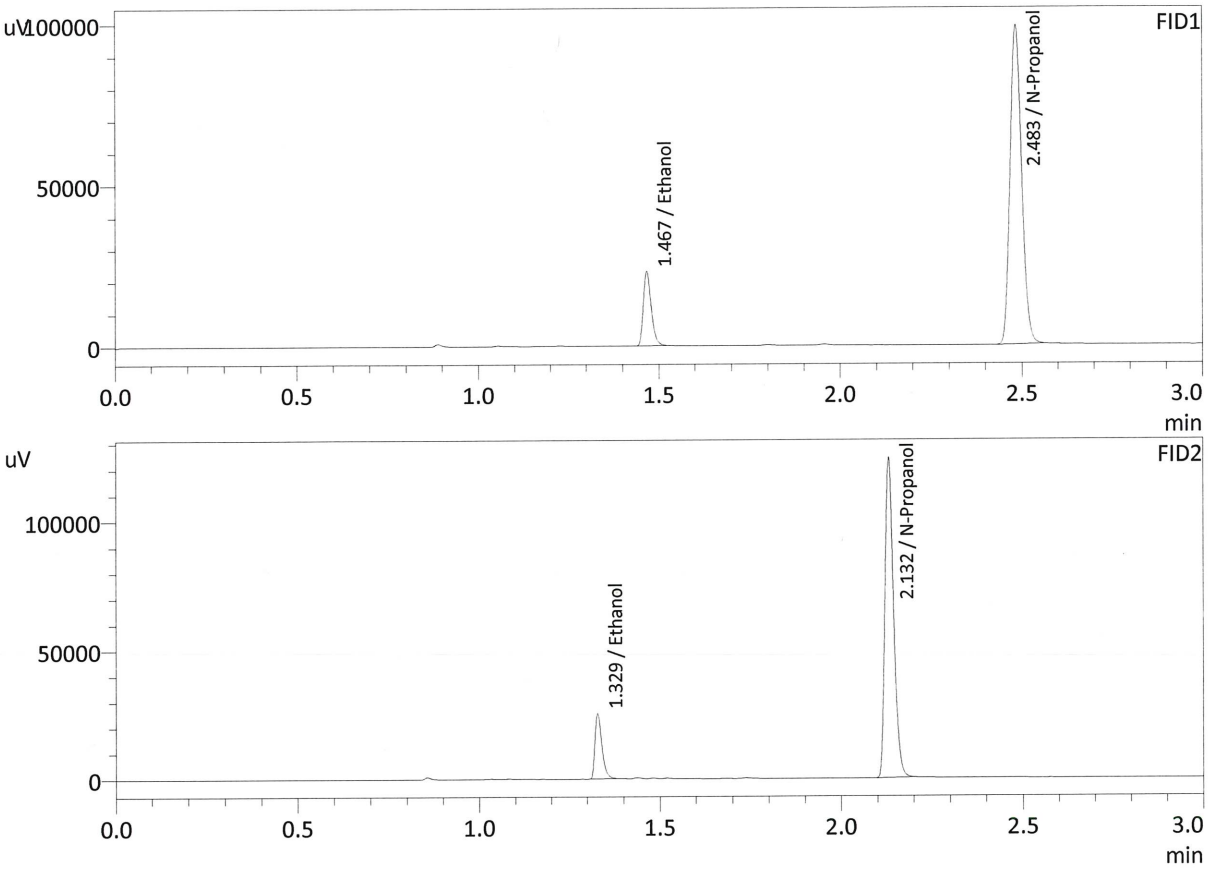
Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 2/2/2022 7:14:31 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0792	35294	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218051	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	33863	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206263	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1 **Item #** **Analysis Date(s): 2/2/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2169	0.2175	0.0006	0.2172	0.0001	0.2172
(g/100cc)	0.2170	0.2176	0.0006	0.2173		

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
0.217	**0.206**	**0.228**	**0.011**

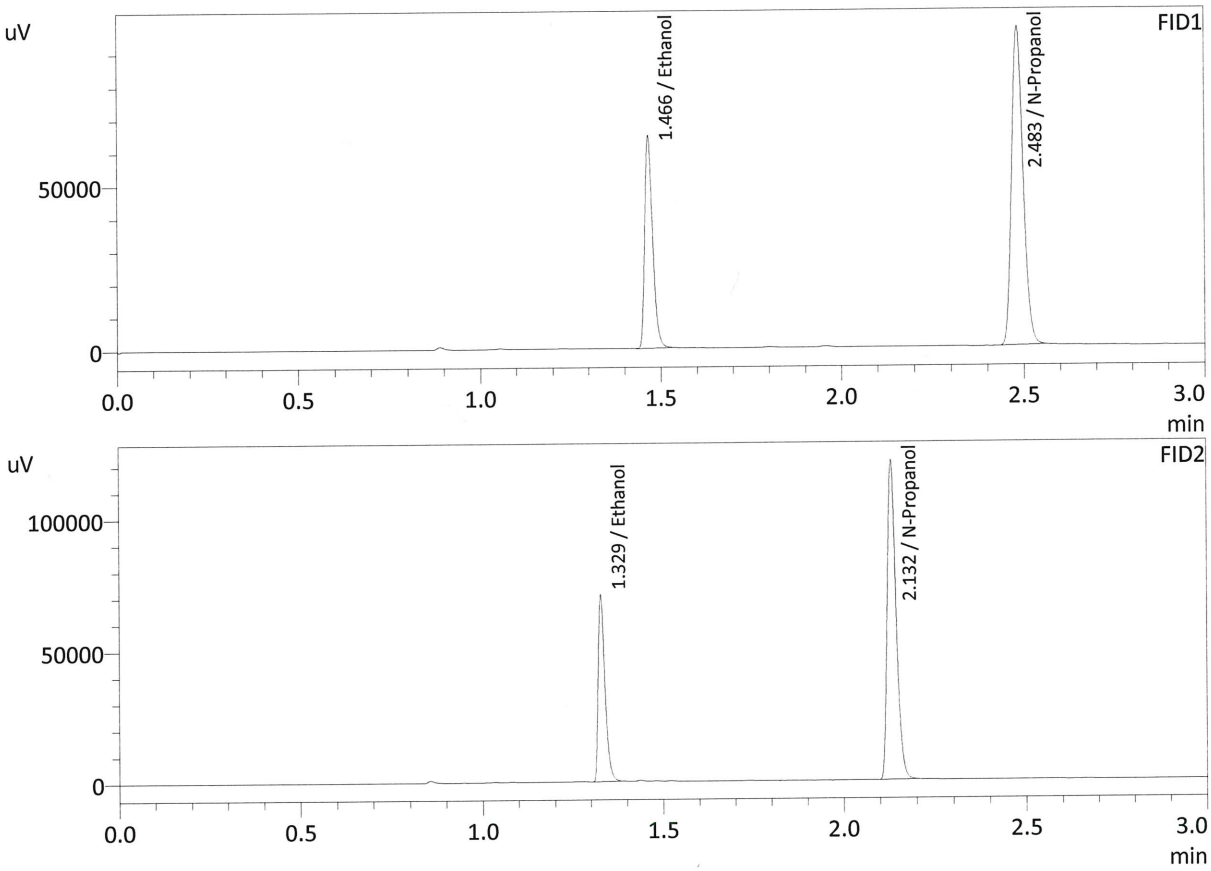
Reported Result

0.217

Calibration and control data are stored centrally.

NB

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 2/2/2022 4:05:26 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

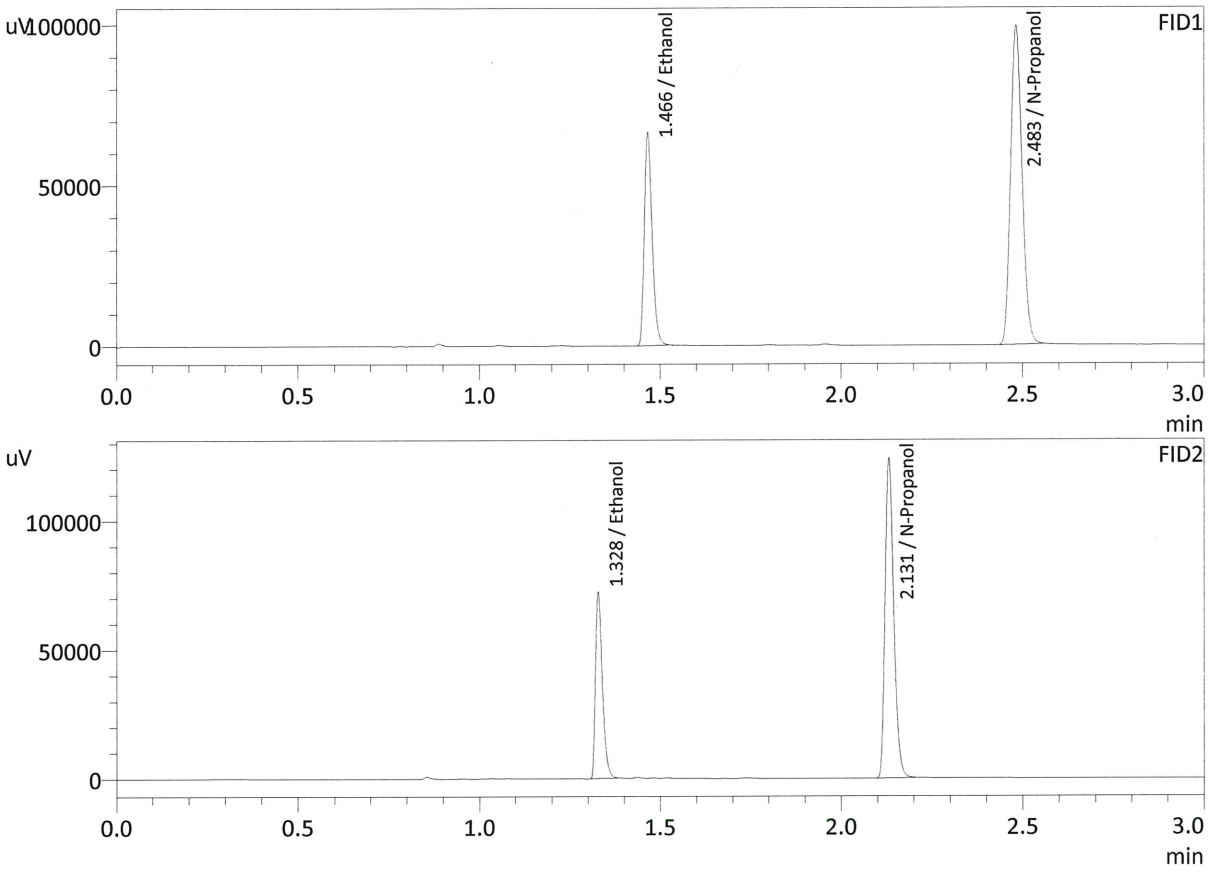
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2169	98477	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212874	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2175	93308	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	201307	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 2/2/2022 4:13:40 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2170	100869	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	217944	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2176	95473	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205917	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

MB

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-2 **Item #** **Analysis Date(s): 2/2/22**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2197	0.2209	0.0012	0.2203	0.0001	0.2203
(g/100cc)	0.2199	0.2210	0.0011	0.2204		

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%**

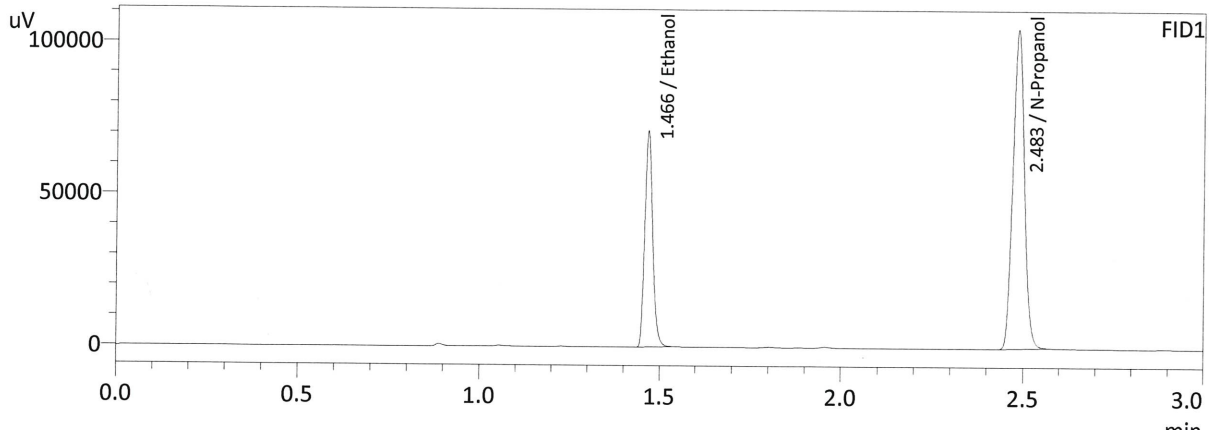
Overall Mean (g/100cc)	Low	High	5% of Mean
0.220	**0.209**	**0.231**	**0.011**

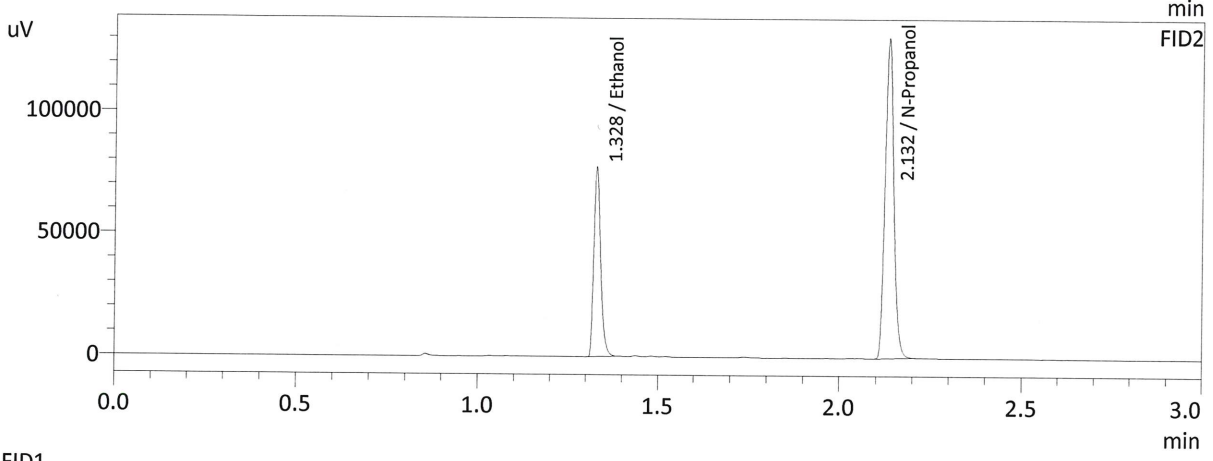
Reported Result

0.220

Calibration and control data are stored centrally.

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 2/2/2022 8:27:28 PM
Vial # : 57
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





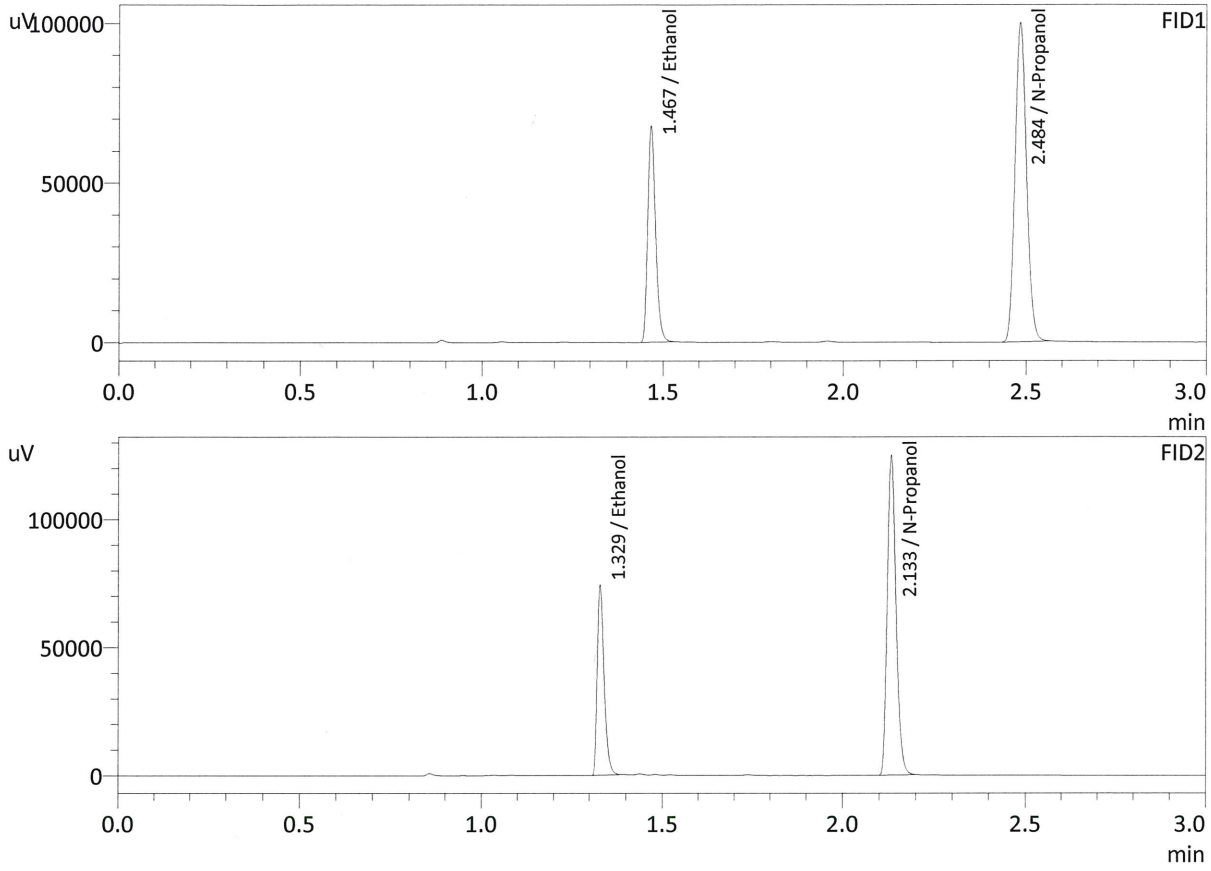
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2197	108164	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	230719	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2209	102357	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217477	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 2/2/2022 8:34:35 PM
Vial # : 58
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2199	103101	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219683	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2210	97768	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207545	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Meridian Blood Alcohol Analysis Batch Table

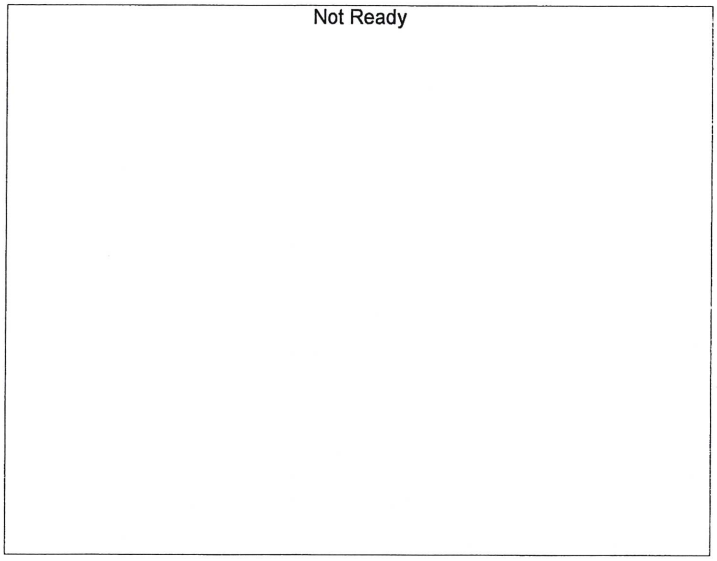
Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0710	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
7	M2022-0303-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
8	M2022-0303-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
9	M2022-0321-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
10	M2022-0321-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
11	M2022-0324-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
12	M2022-0324-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
13	M2022-0325-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
14	M2022-0325-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
15	M2022-0337-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
16	M2022-0337-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
17	M2022-0347-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
18	M2022-0347-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
19	M2022-0349-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
20	M2022-0349-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
21	M2022-0354-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
22	M2022-0354-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
23	M2022-0371-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
24	M2022-0371-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
27	M2022-0398-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
28	M2022-0398-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
29	M2022-0402-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
30	M2022-0402-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
31	M2022-0403-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
32	M2022-0403-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
33	M2022-0407-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
34	M2022-0407-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
35	M2022-0408-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
36	M2022-0408-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
37	M2022-0417-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
38	M2022-0417-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
39	M2022-0423-3-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
40	M2022-0423-3-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
41	M2022-0424-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
42	M2022-0424-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
43	M2022-0434-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
44	M2022-0434-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
45	M2022-0440-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
46	M2022-0440-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
49	M2022-0442-9-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
50	M2022-0442-9-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
51	M2022-0452-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
52	M2022-0452-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
53	M2022-0453-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
54	M2022-0453-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
55	M2022-0454-1-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
56	M2022-0454-1-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
57	QC2-2-A	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
58	QC2-2-B	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
59	INT STD BLK	C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM

Calibration Table

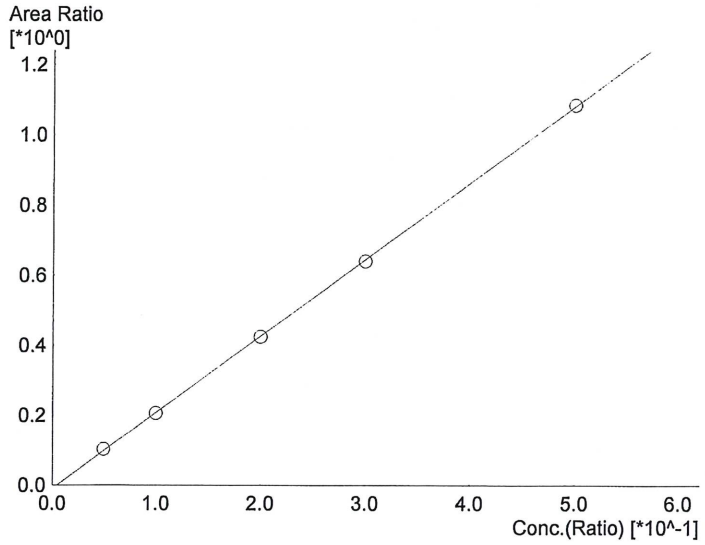
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\220120\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :1/20/2022 2:42:09 PM
Date Created :1/20/2022 2:37:38 PM
Date Modified :1/20/2022 2:45:10 PM



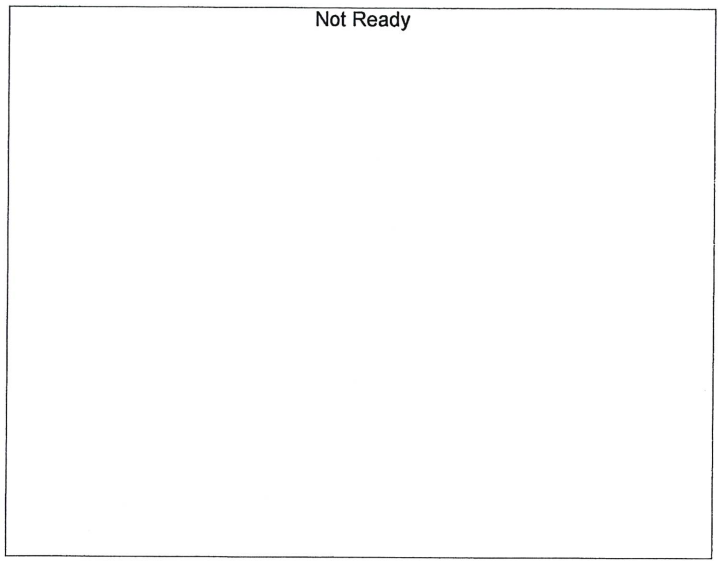
Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



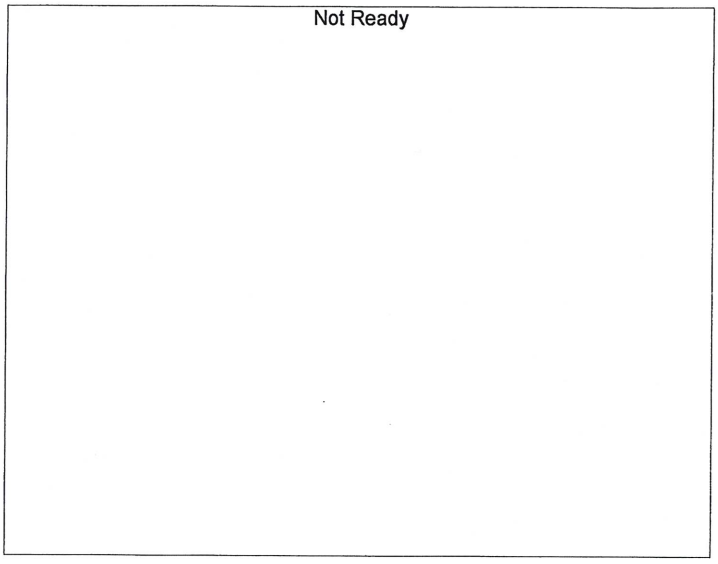
Name : Ethanol
Detector Name: FID1
Function : f(x)=2.18418*x-0.0111795
R^2 value= 0.9999015
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	20122	0.0521
2	0.100	40449	0.0993
3	0.200	82020	0.1990
4	0.300	124975	0.2979
5	0.500	221944	0.5015



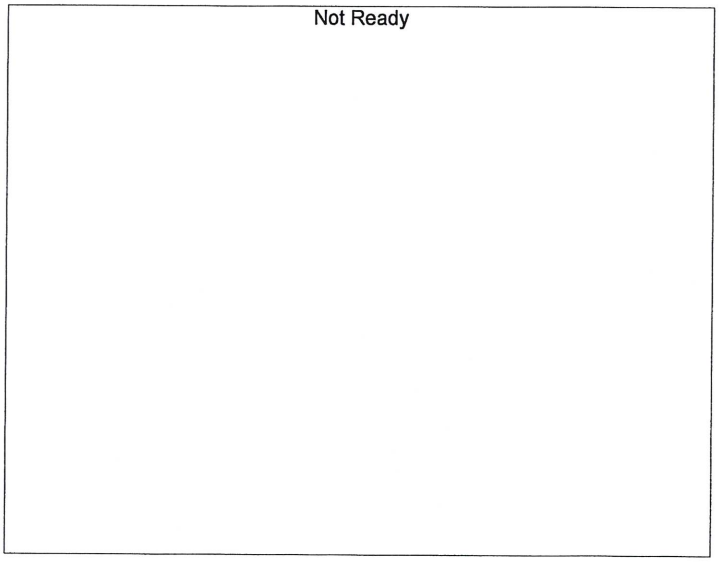
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



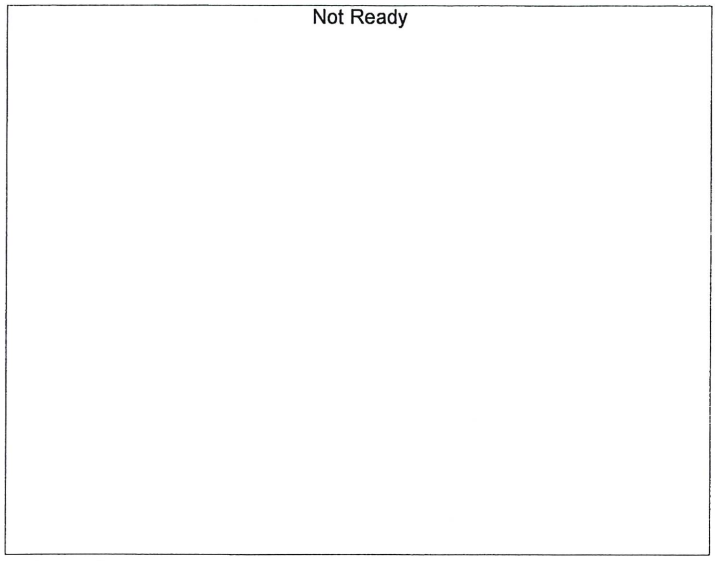
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



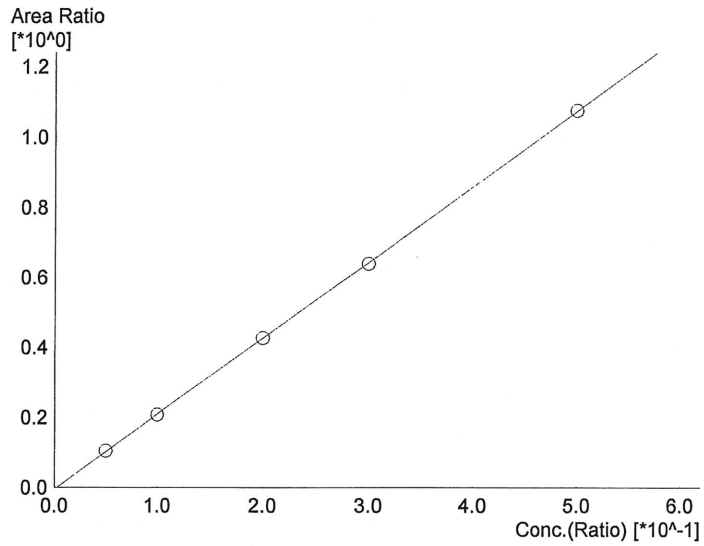
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



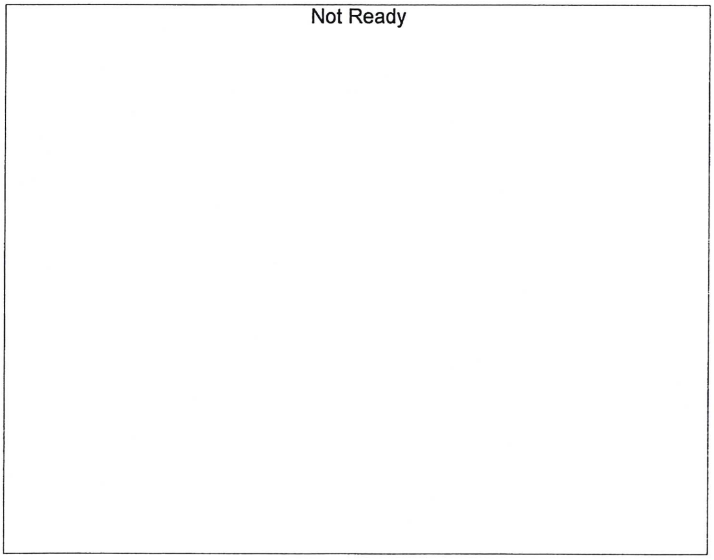
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



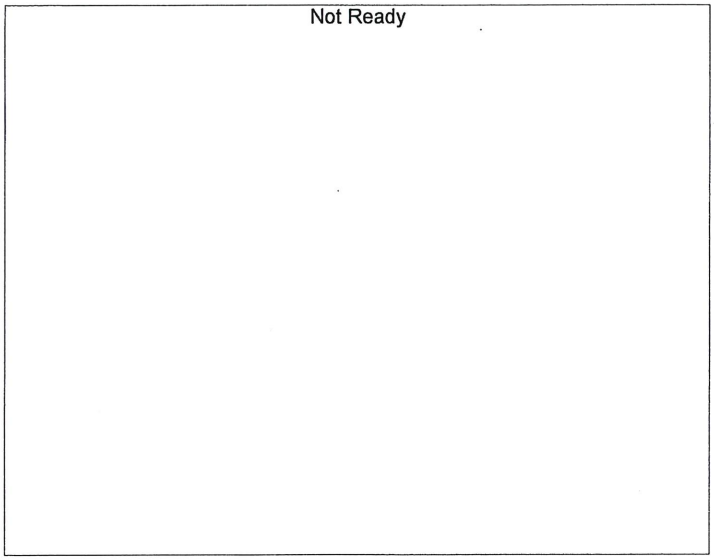
Name : Ethanol
Detector Name: FID2
Function : f(x)=2.16097*x-0.00671545
R^2 value= 0.9999576
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	19345	0.0513
2	0.100	38626	0.0992
3	0.200	77815	0.1999
4	0.300	117756	0.2985
5	0.500	207557	0.5009



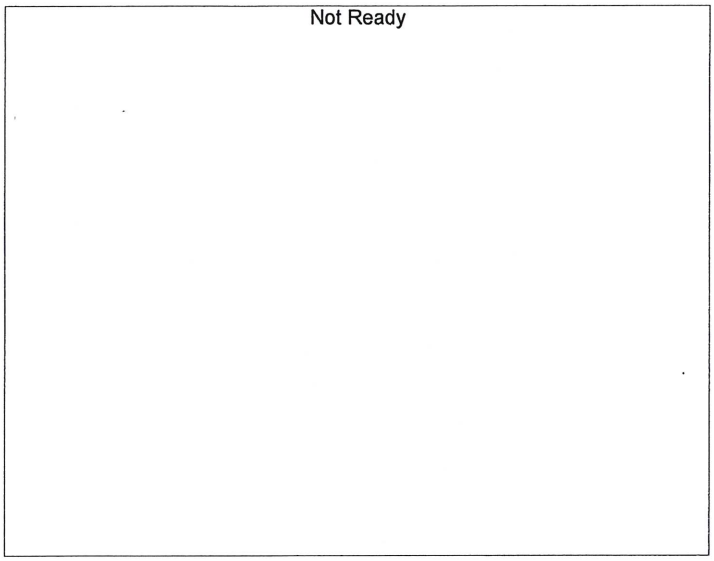
Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	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

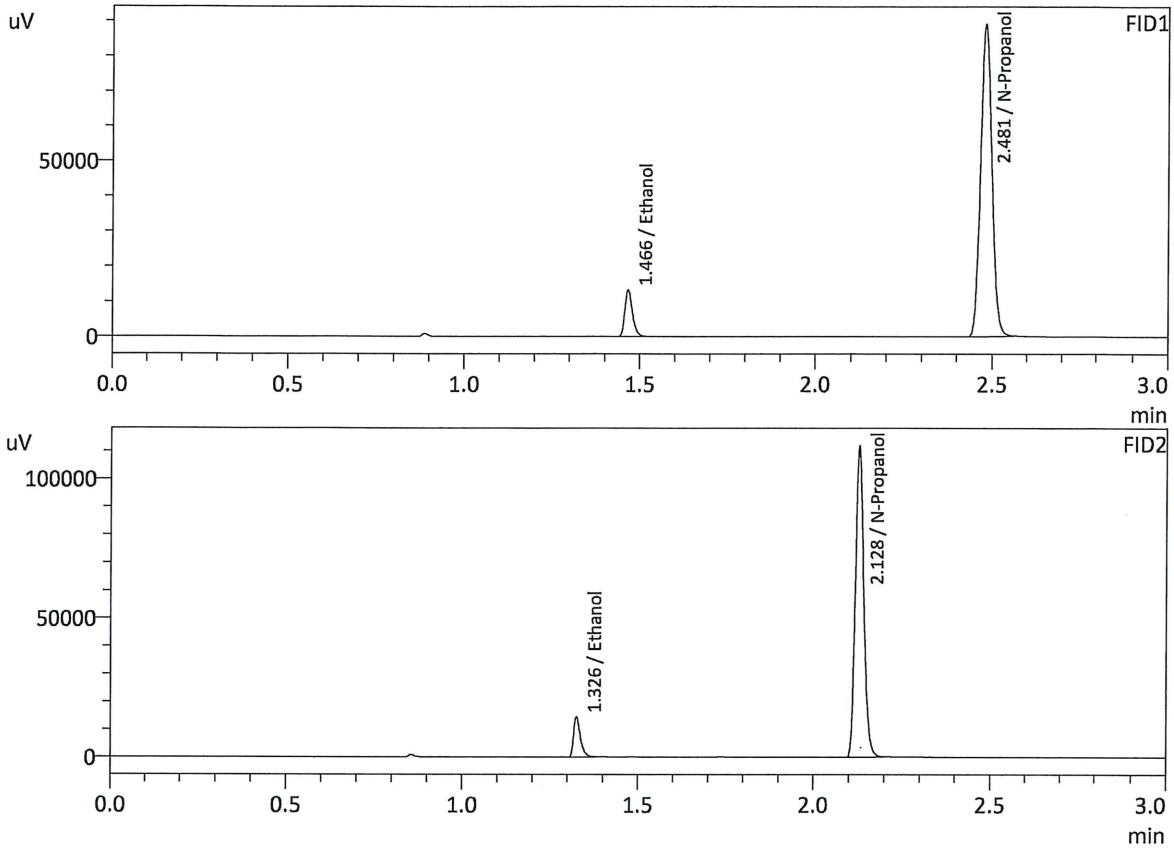
#	Conc.	Area	Std. Conc.



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

#	Conc.	Area	Std. Conc.

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 1/20/2022 2:10:50 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

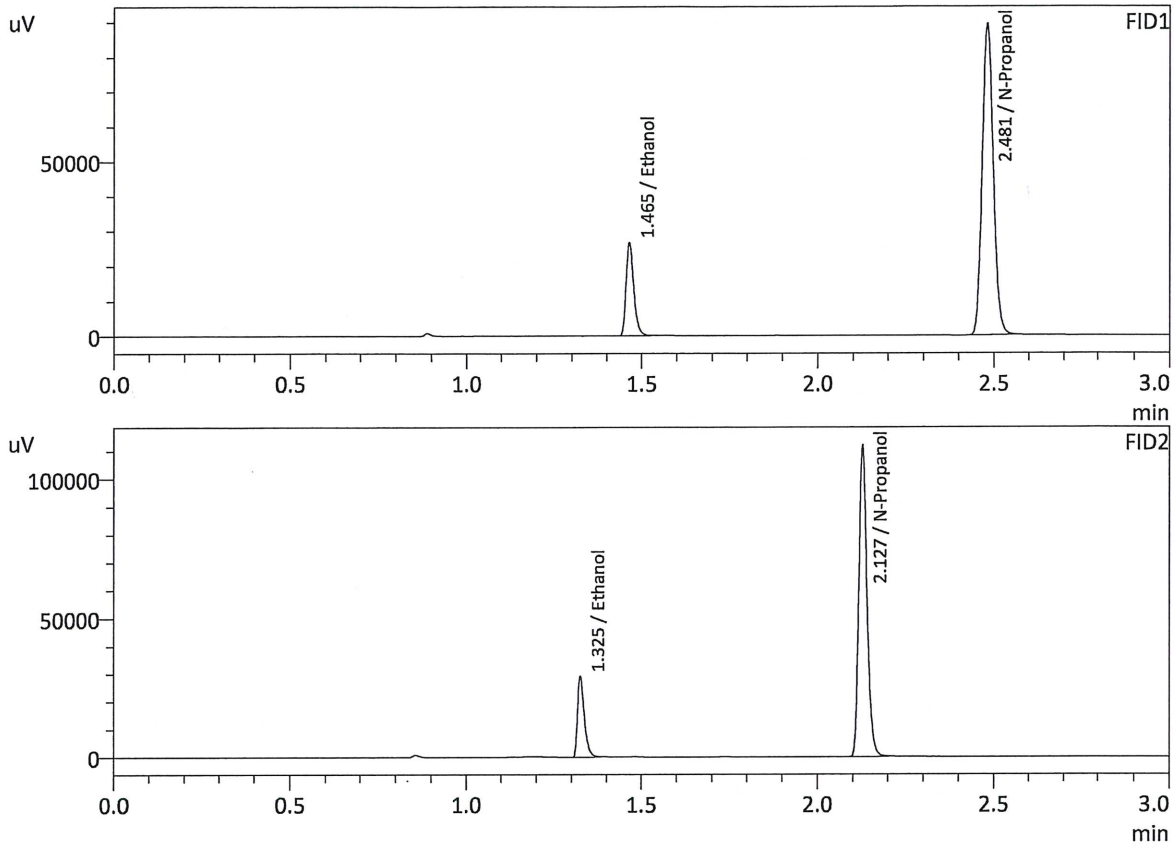
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	20122	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195920	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0513	19345	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185604	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 1/20/2022 2:18:10 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



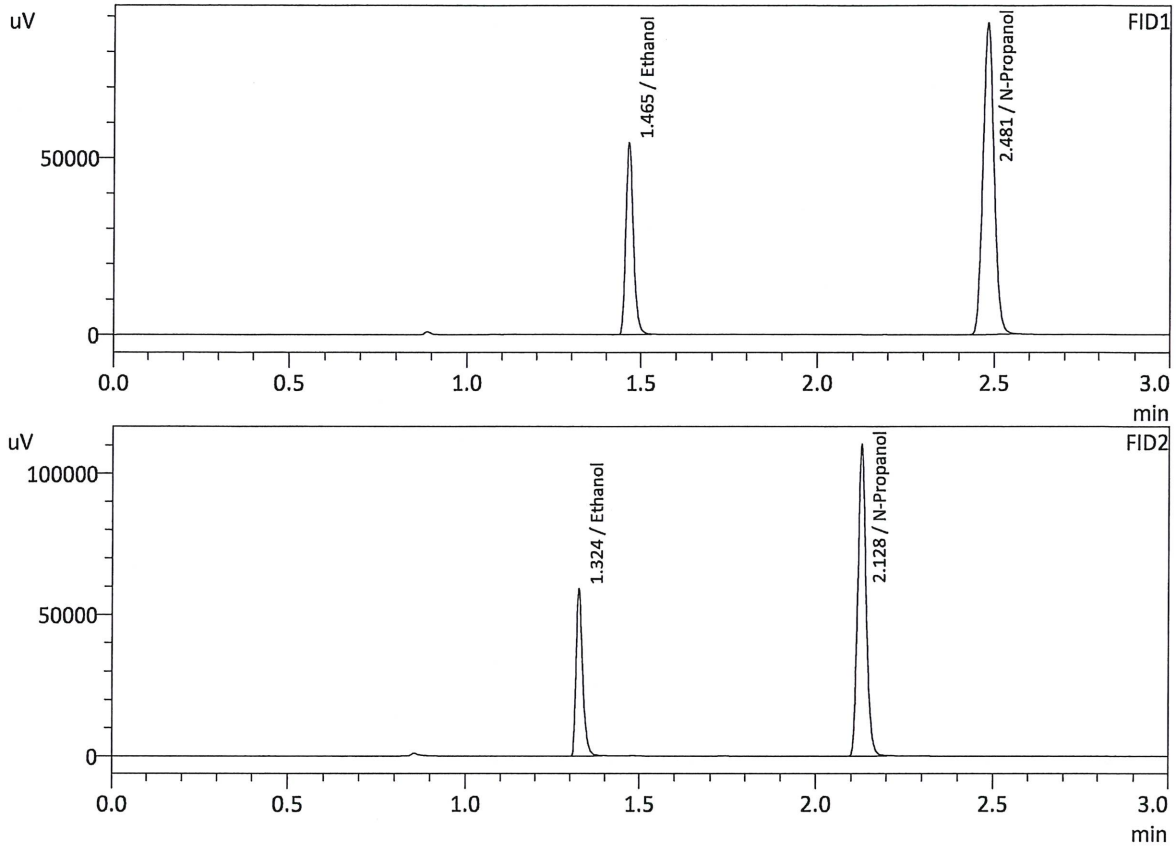
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0993	40449	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	196522	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0992	38626	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	185868	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 1/20/2022 2:25:50 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

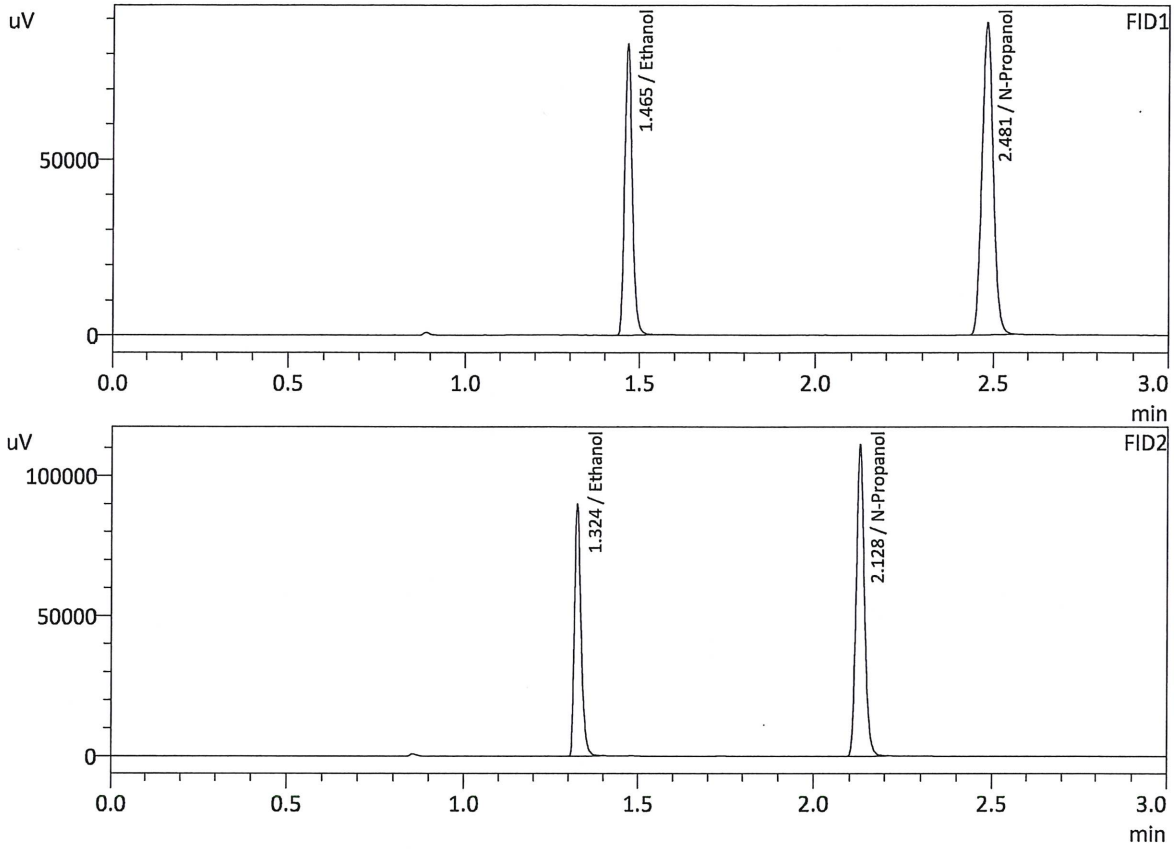
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1990	82020	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	193653	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1999	77815	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	182929	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 1/20/2022 2:34:30 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

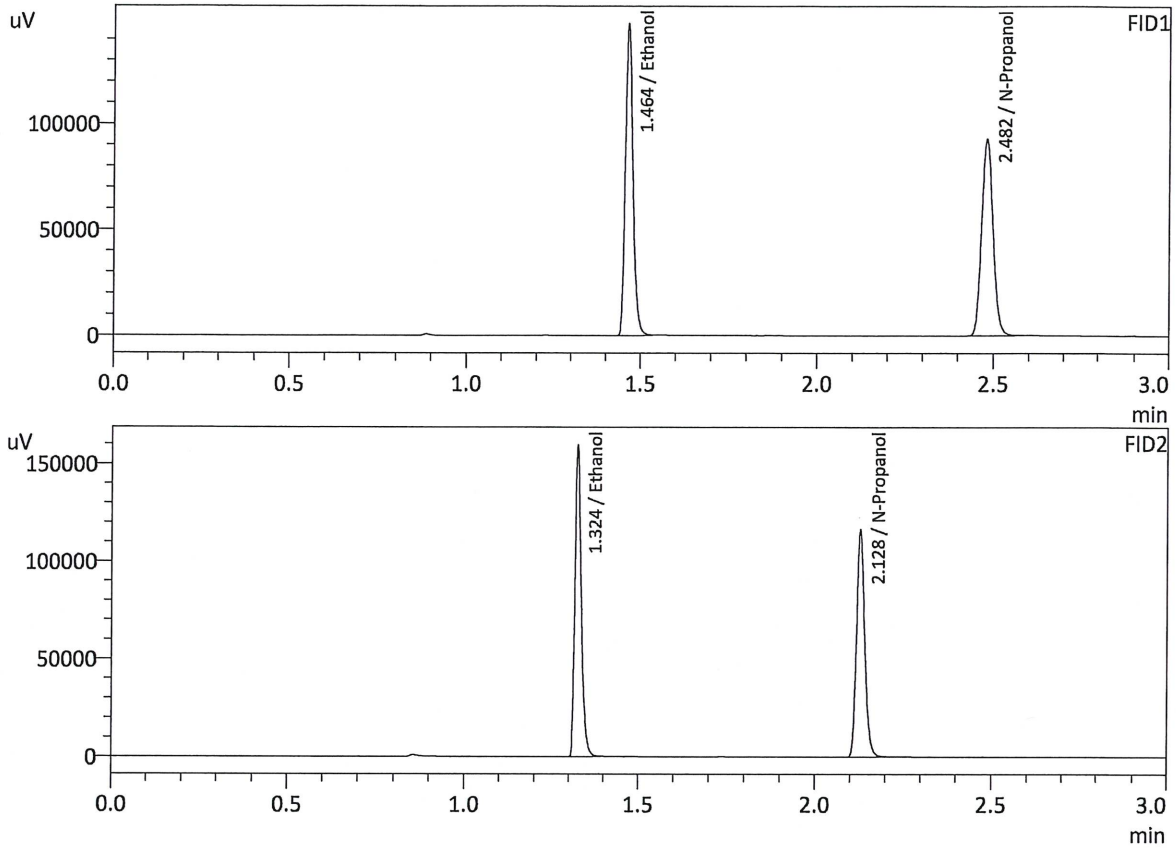
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2979	124975	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195408	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2985	117756	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	184472	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 1/20/2022 2:42:09 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220120\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

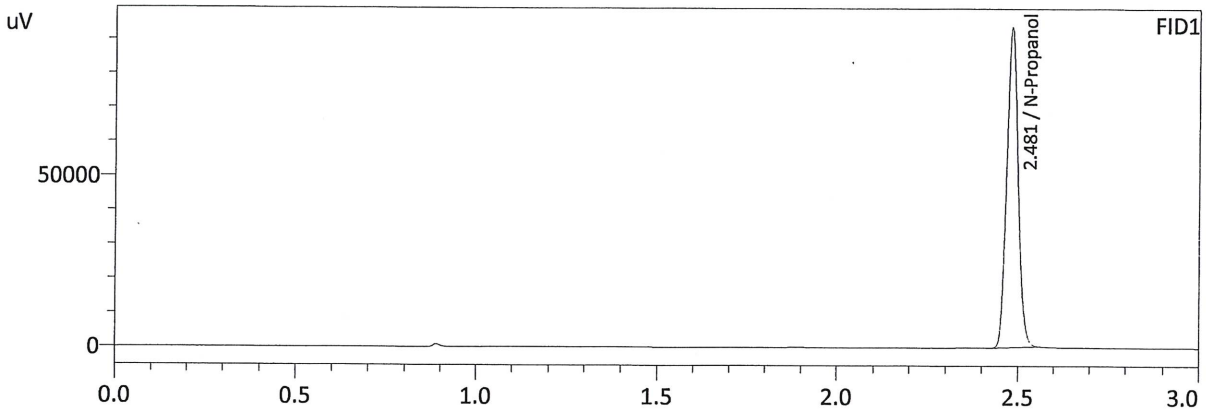
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5015	221944	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	204693	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

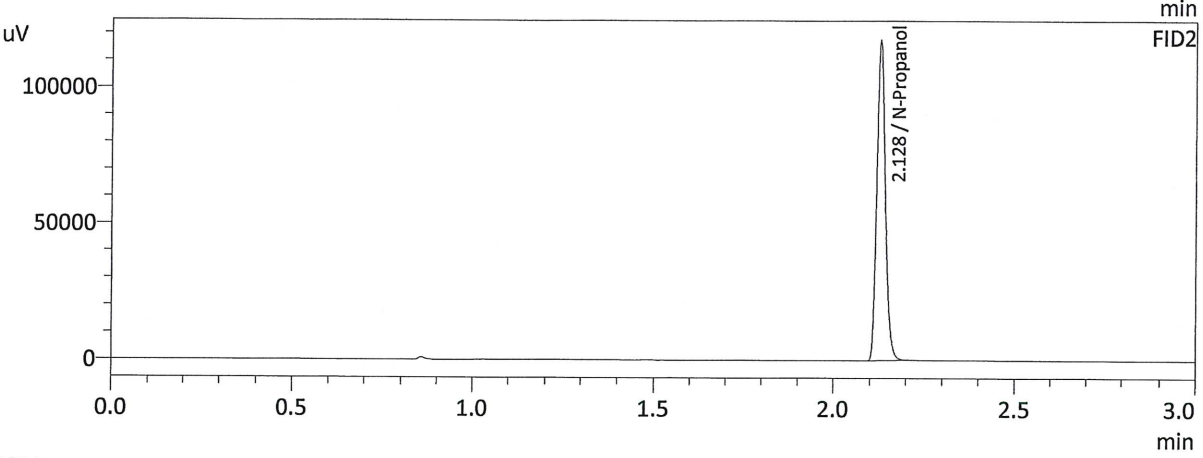
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5009	207557	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	192938	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

NB

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 1/20/2022 2:50:52 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220120\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	206305	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	195458	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

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

NB