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):** 09/09/22

Calibration Date: *(if different)*

Worklist #: 6097

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0744 g/100cc
					0.0776 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2121 g/100cc
					0.2110 g/100cc
					g/100cc

Multi-Component mixture:	Exp:	Oct. 2024	Lot #	FN06041902	
Curve Fit:		Column 1	0.99987	Column2	0.99988

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0520	0.0521	0.0001	0.052
100	0.100	0.090 - 0.110	0.1003	0.1000	0.0003	0.1001
200	0.200	0.180 - 0.220	0.1975	0.1976	1E-04	0.1975
300	0.300	0.270 - 0.330	0.2982	0.2985	0.0003	0.2983
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5016	1E-04	0.5016

Aqueous Controls

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

MB

REVIEWED
By Melissa (Nikka) Bradley at 3:03 pm, Sep 12, 2022

JC

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

Internal Standard Monitoring Worksheet

Worklist #: 6097 **Run Date(s):** 09/09/22

Internal Standard Solution:	Prep Date: 8/31/2022	Exp Date: 2/31/23

Sample Name	Column 1 Value	Column 2 Value
0.080	197400	214958
0.080	199851	217749
QC1	202240	220174
QC1	203341	221404
QC1	243153	265167
QC1	253038	275894
QC1		
QC1		
QC2	224903	245186
QC2	228726	249203
QC2	241882	263538
QC2	250674	273364
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	224520.8	179616.6	269425.0
Column 2	244663.7	195731.0	293596.4

JC

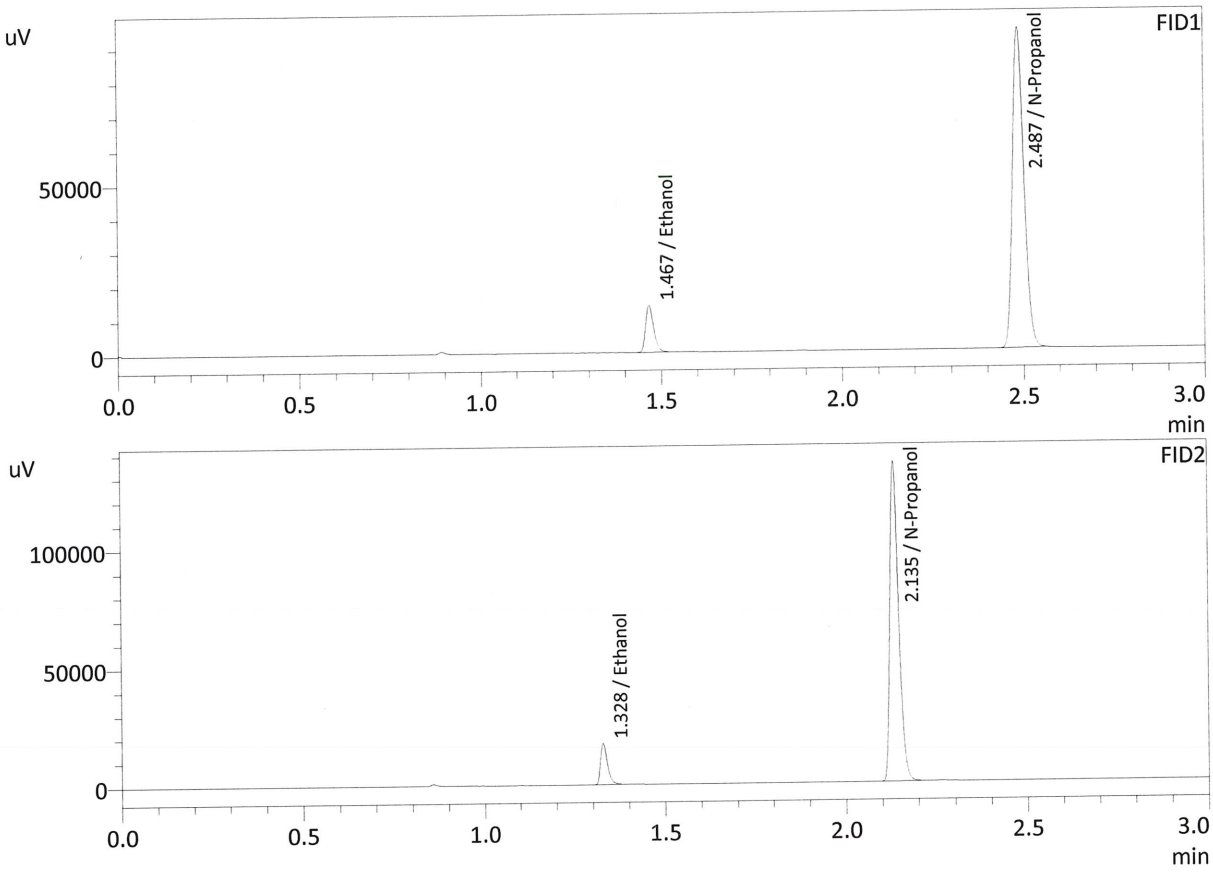
Revision: 5
Issue Date: 07/05/2022
Issuing Authority: Quality Manager

9/12/2022

Worklist: 6097

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2022-3656	1	BCK	Alcohol Analysis
M2022-3657	1	BCK	Alcohol Analysis
M2022-3665	1	BCK	Alcohol Analysis
M2022-3666	1	BCK	Alcohol Analysis
M2022-3667	1	BCK	Alcohol Analysis
M2022-3688	1	BCK	BATS Proficiency Test
M2022-3688	2	BCK	BATS Proficiency Test
M2022-3688	3	BCK	BATS Proficiency Test
M2022-3688	4	BCK	BATS Proficiency Test
M2022-3689	1	BCK	Alcohol Analysis
M2022-3715	1	BCK	Alcohol Analysis
M2022-3716	1	BCK	Alcohol Analysis
M2022-3717	1	BCK	Alcohol Analysis
M2022-3718	1	BCK	Alcohol Analysis
M2022-3719	1	BCK	Alcohol Analysis
M2022-3720	1	BCK	Alcohol Analysis
M2022-3748	1	BCK	Alcohol Analysis
M2022-3765	1	BCK	Alcohol Analysis
P2022-2664	1	BCK	Alcohol Analysis

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 9/9/2022 12:07:42 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

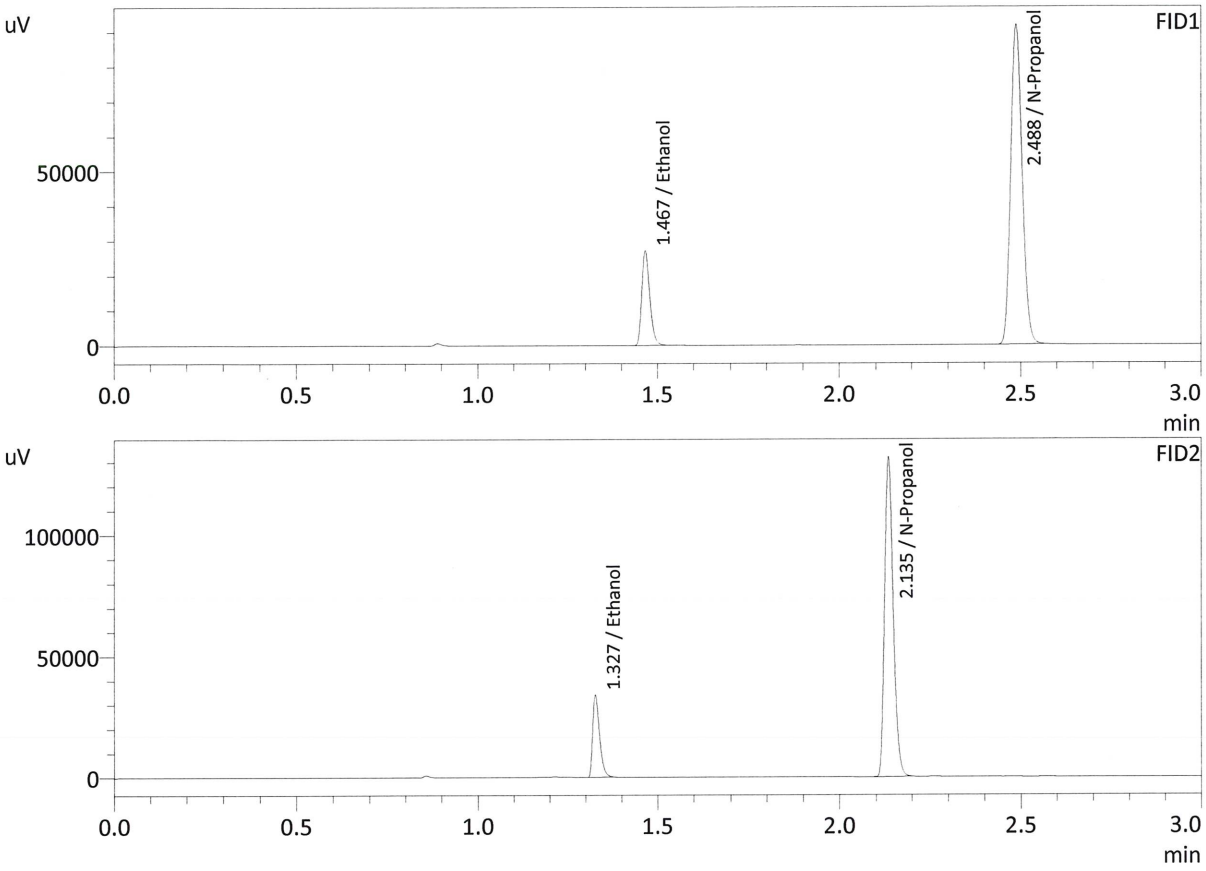
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0520	21437	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	207210	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	23235	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	225290	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 9/9/2022 12:15:01 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

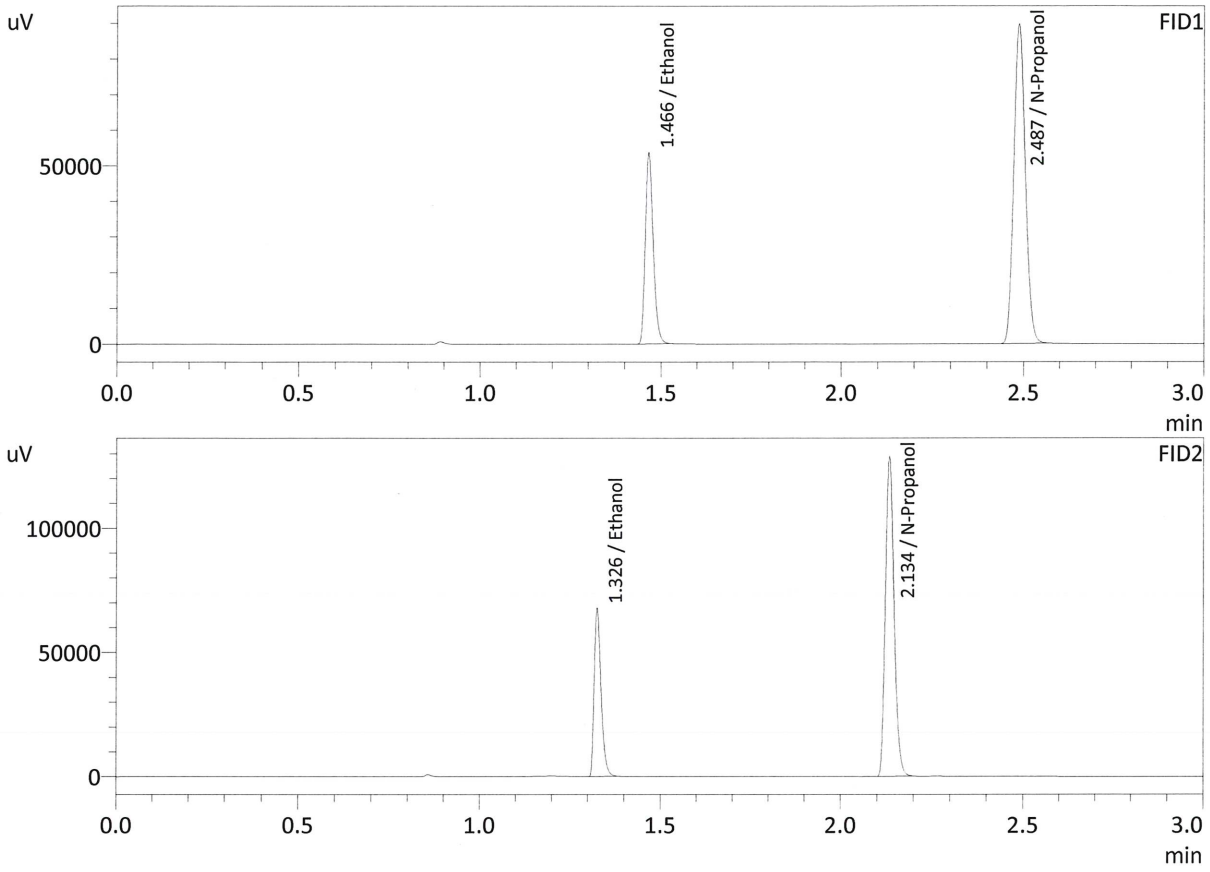
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1003	41828	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201624	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1000	45287	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	219563	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 9/9/2022 12:22:22 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



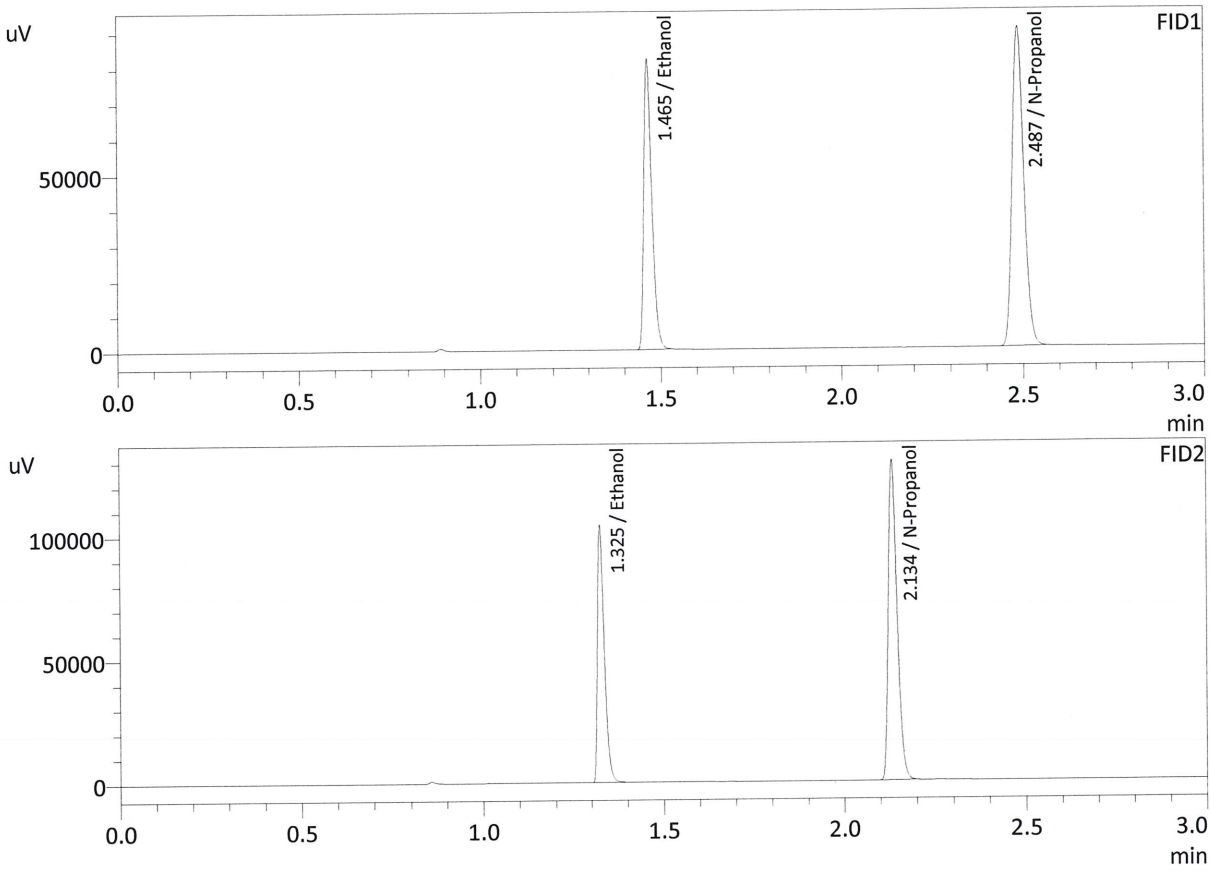
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1975	82306	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197396	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1976	89382	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214750	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 9/9/2022 12:31:13 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

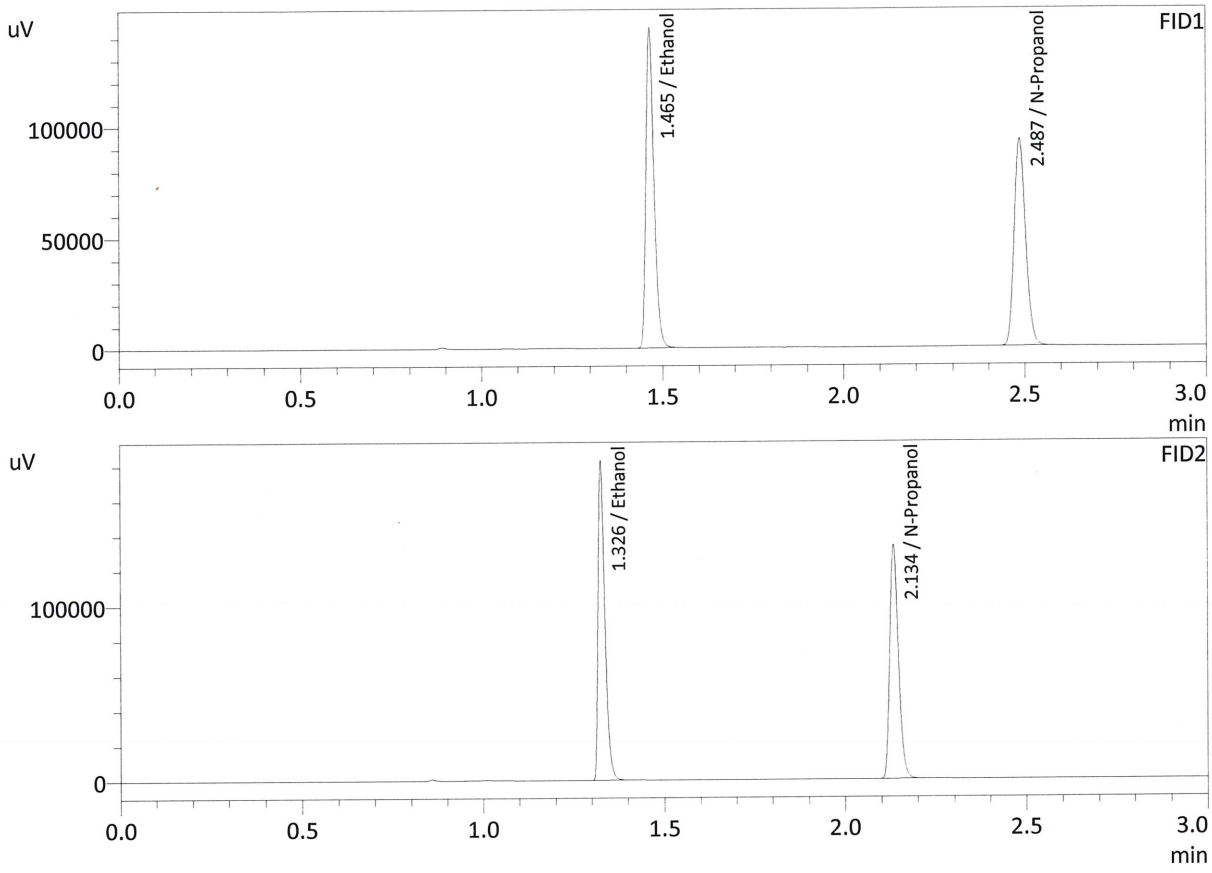
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2982	125894	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	198549	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2985	136744	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	215929	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 9/9/2022 12:38:46 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

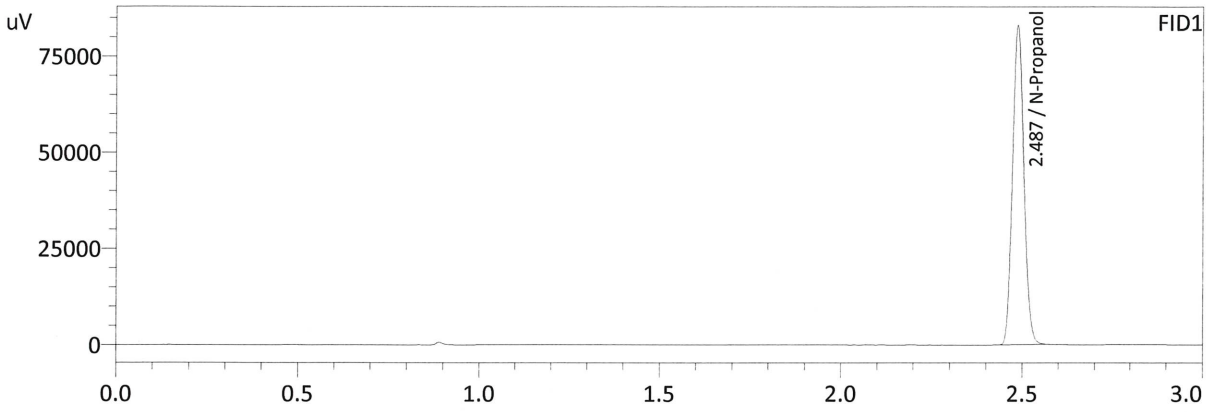
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5017	220027	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205124	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

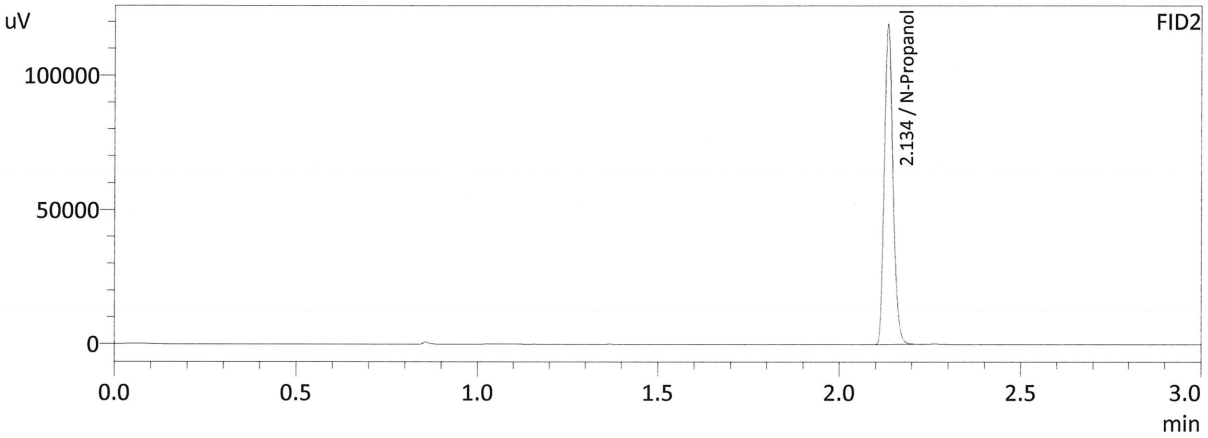
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5016	238601	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	222911	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 9/9/2022 12:47:15 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220909\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	182542	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	198876	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JL

Meridian Blood Alcohol Analysis Batch Table

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

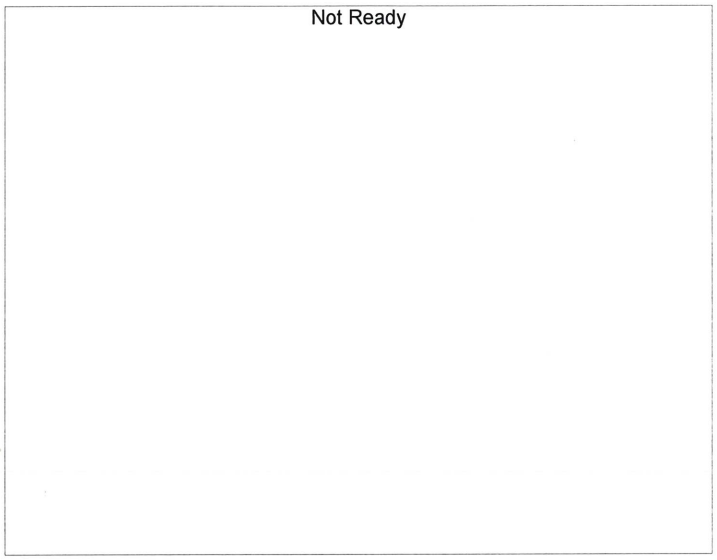
Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL.GCM
2	0.100	1:Standard	2	ALCOHOL.GCM
3	0.200	1:Standard	3	ALCOHOL.GCM
4	0.300	1:Standard	4	ALCOHOL.GCM
5	0.500	1:Standard	5	ALCOHOL.GCM
6	INT STD BLK	0:Unknown	0	ALCOHOL.GCM

JC

Calibration Table

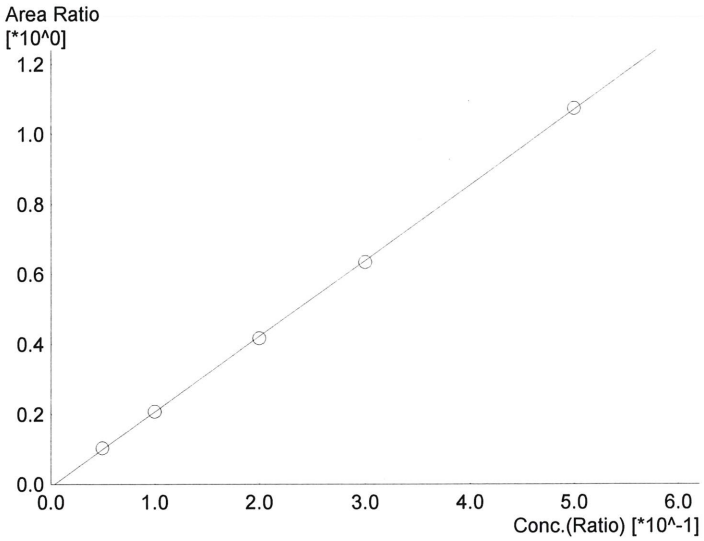
Laboratory : MERIDIAN
Instrument Name : GC-HS
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Batch File :C:\LabSolutions\Data\220909\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired :9/9/2022 12:38:46 PM
Date Created :9/9/2022 12:34:22 PM
Date Modified :9/9/2022 12:41:47 PM



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

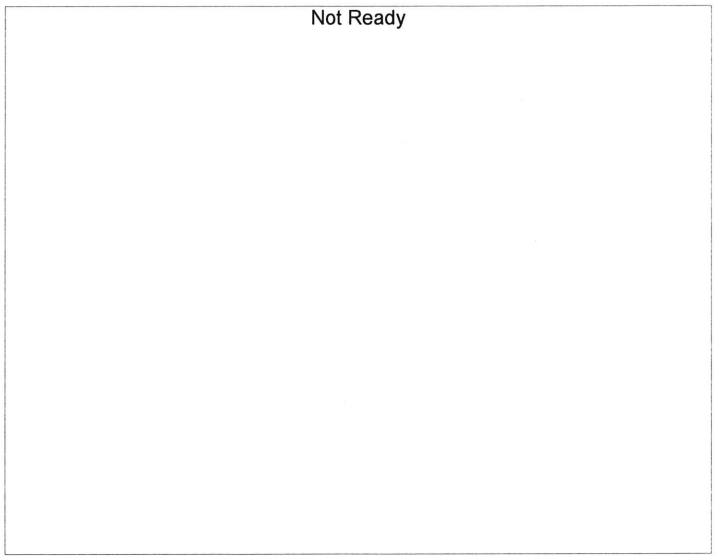
#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID1
Function : f(x)=2.15548*x-0.00884148
R^2 value= 0.9998704
FitType: Linear
ZeroThrough: Not Through

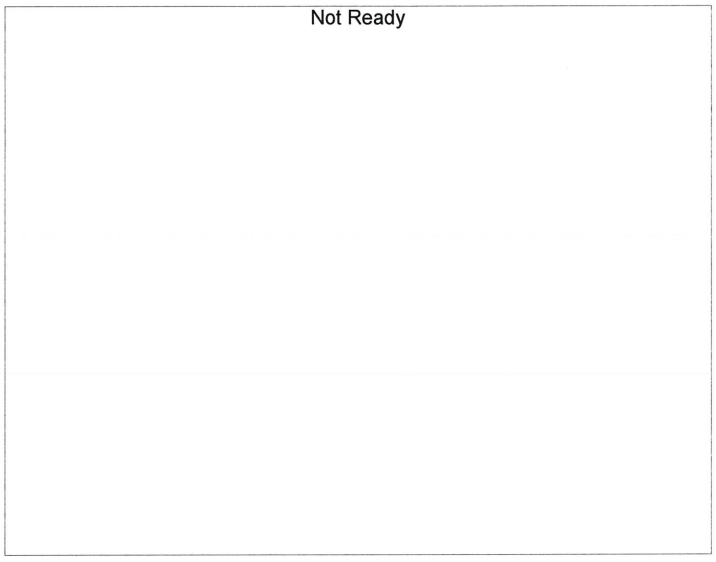
#	Conc.	Area	Std. Conc.
1	0.050	21437	0.0520
2	0.100	41828	0.1003
3	0.200	82306	0.1975
4	0.300	125894	0.2982
5	0.500	220027	0.5017

JC



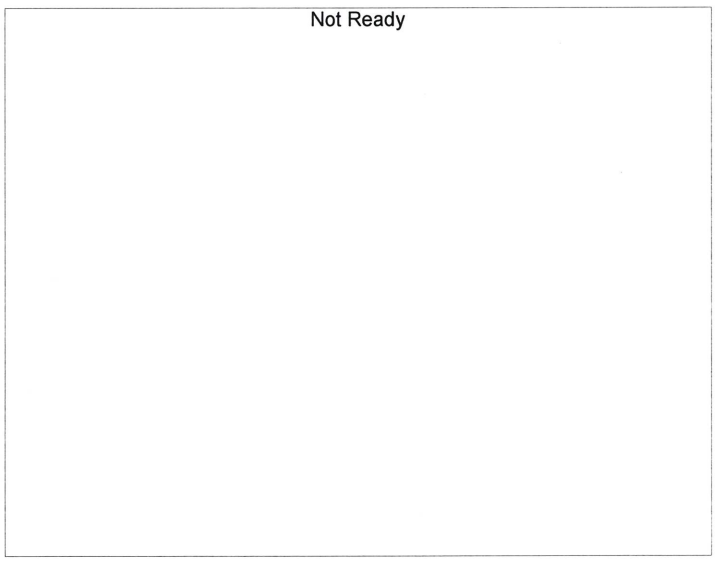
Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



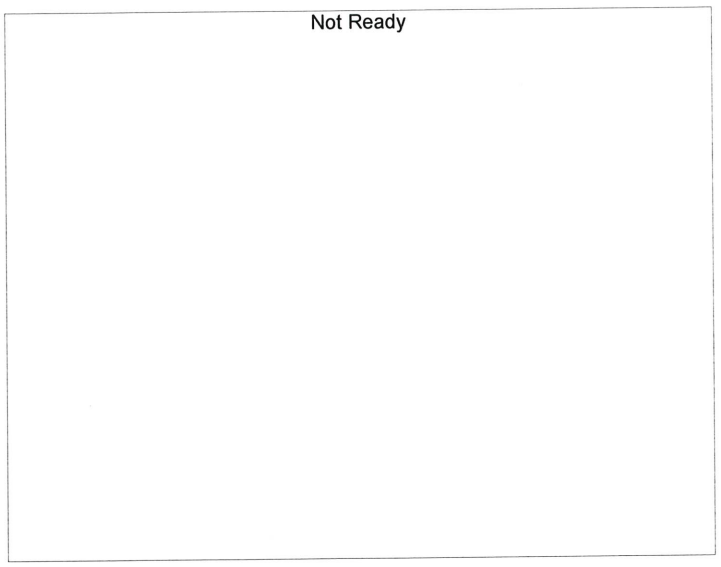
Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



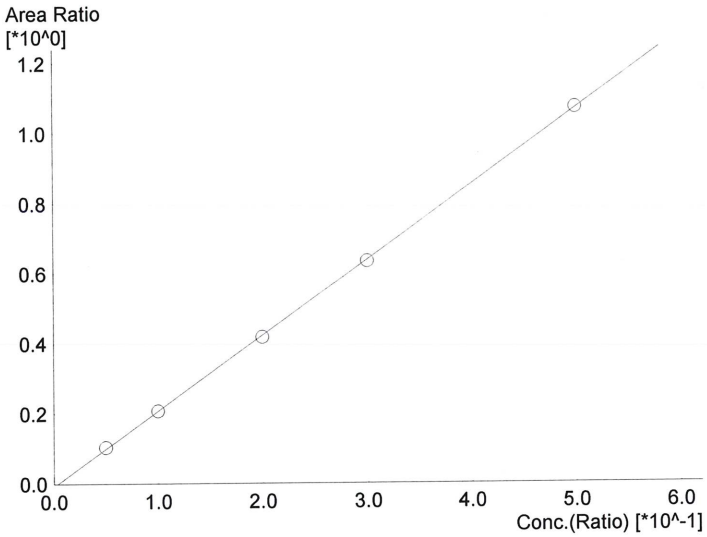
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



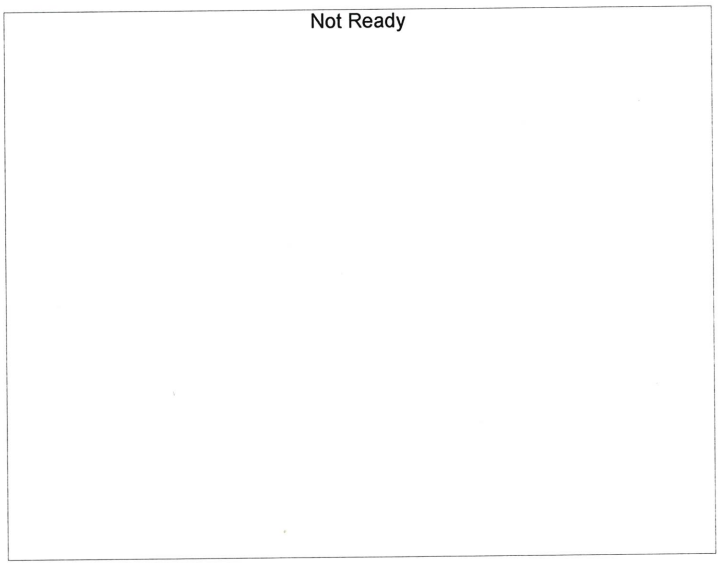
Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.



Name : Ethanol
Detector Name: FID2
Function : f(x)=2.15211*x-0.00912971
R^2 value= 0.9998821
FitType: Linear
ZeroThrough: Not Through

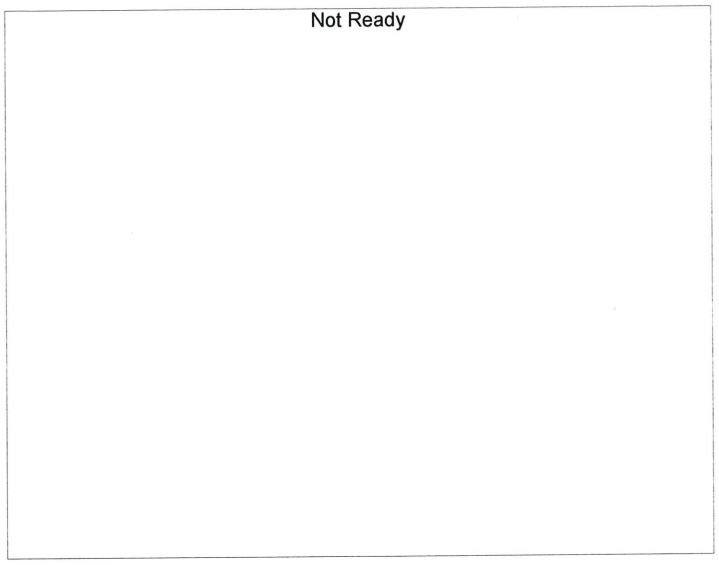
#	Conc.	Area	Std. Conc.
1	0.050	23235	0.0521
2	0.100	45287	0.1000
3	0.200	89382	0.1976
4	0.300	136744	0.2985
5	0.500	238601	0.5016



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

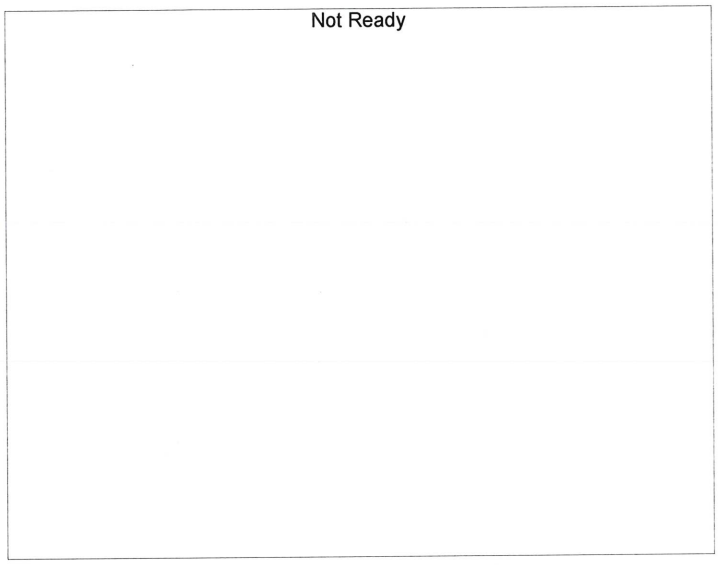
#	Conc.	Area	Std. Conc.

JC



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

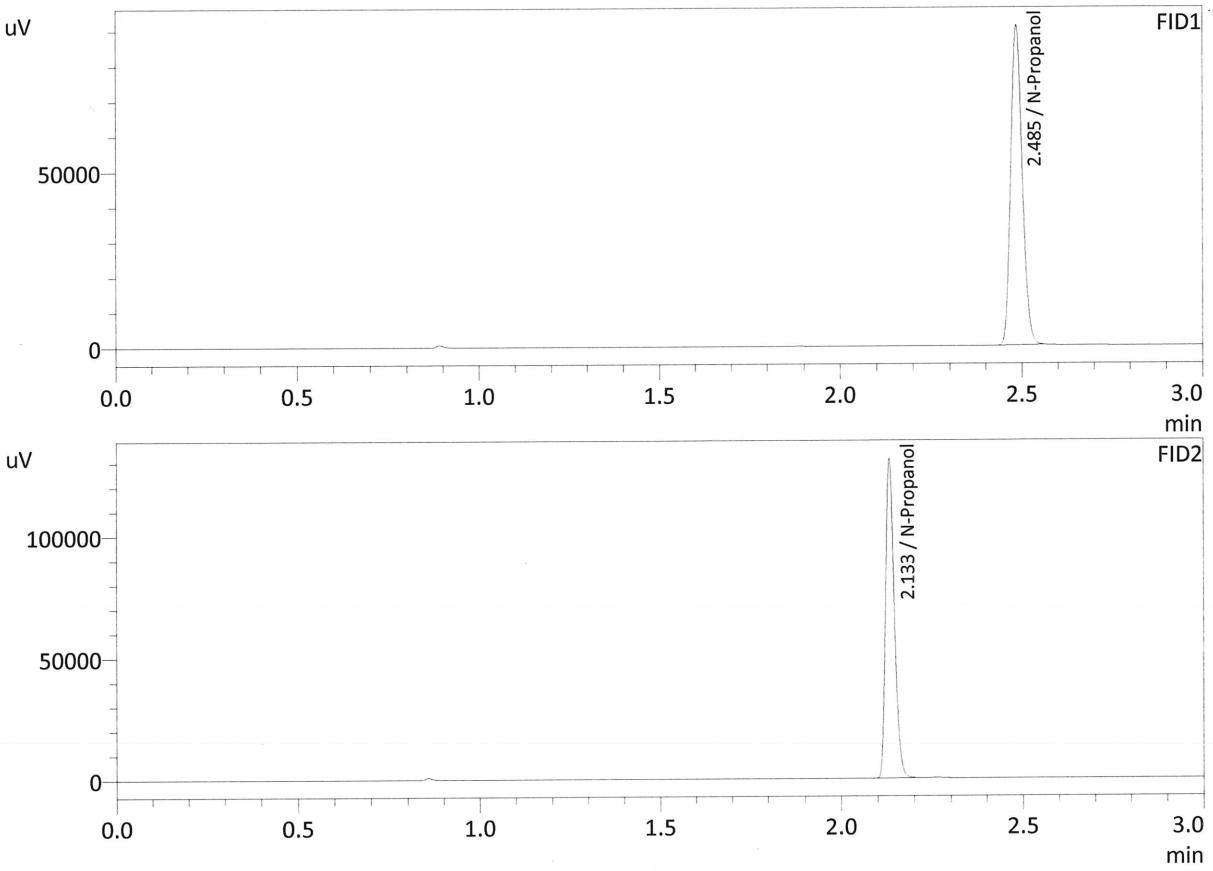
#	Conc.	Area	Std. Conc.



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.

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 9/9/2022 1:49:50 PM
Vial # : 1
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



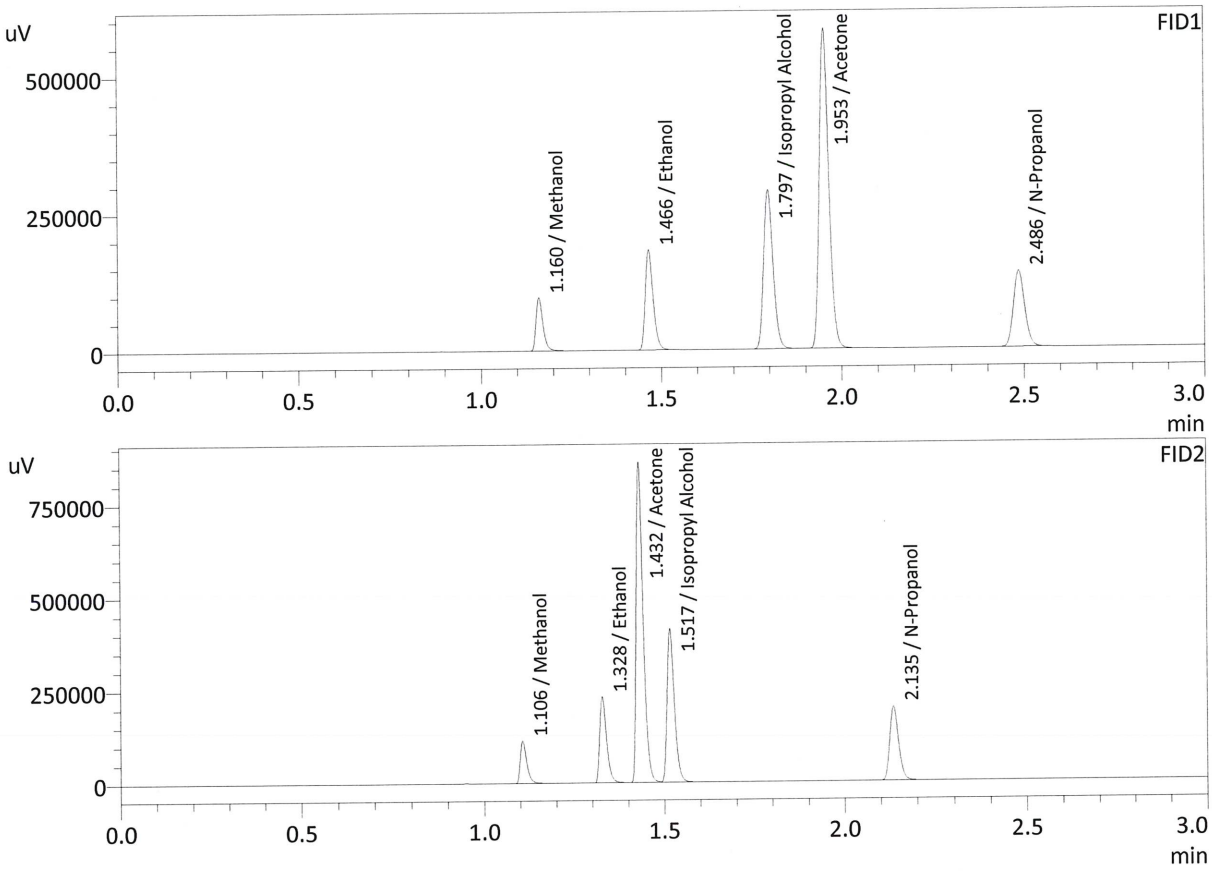
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200226	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	218219	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : MIXED VOLATILES FN 06041902
Laboratory : Meridian
Injection Date : 9/9/2022 1:57:12 PM
Vial # : 2
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	130867	g/100cc
Ethanol	0.4313	279005	g/100cc
Isopropyl Alcohol	0.0000	529960	g/100cc
Acetone	0.0000	1070424	g/100cc
N-Propanol	0.0000	302934	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	141683	g/100cc
Ethanol	0.4315	302511	g/100cc
Acetone	0.0000	1155103	g/100cc
Isopropyl Alcohol	0.0000	572859	g/100cc
N-Propanol	0.0000	328933	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Item #** **Analysis Date(s): 09/09/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0756	0.0753	0.0003	0.0754	0.0019	0.0744
(g/100cc)	0.0736	0.0734	0.0002	0.0735		

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%**

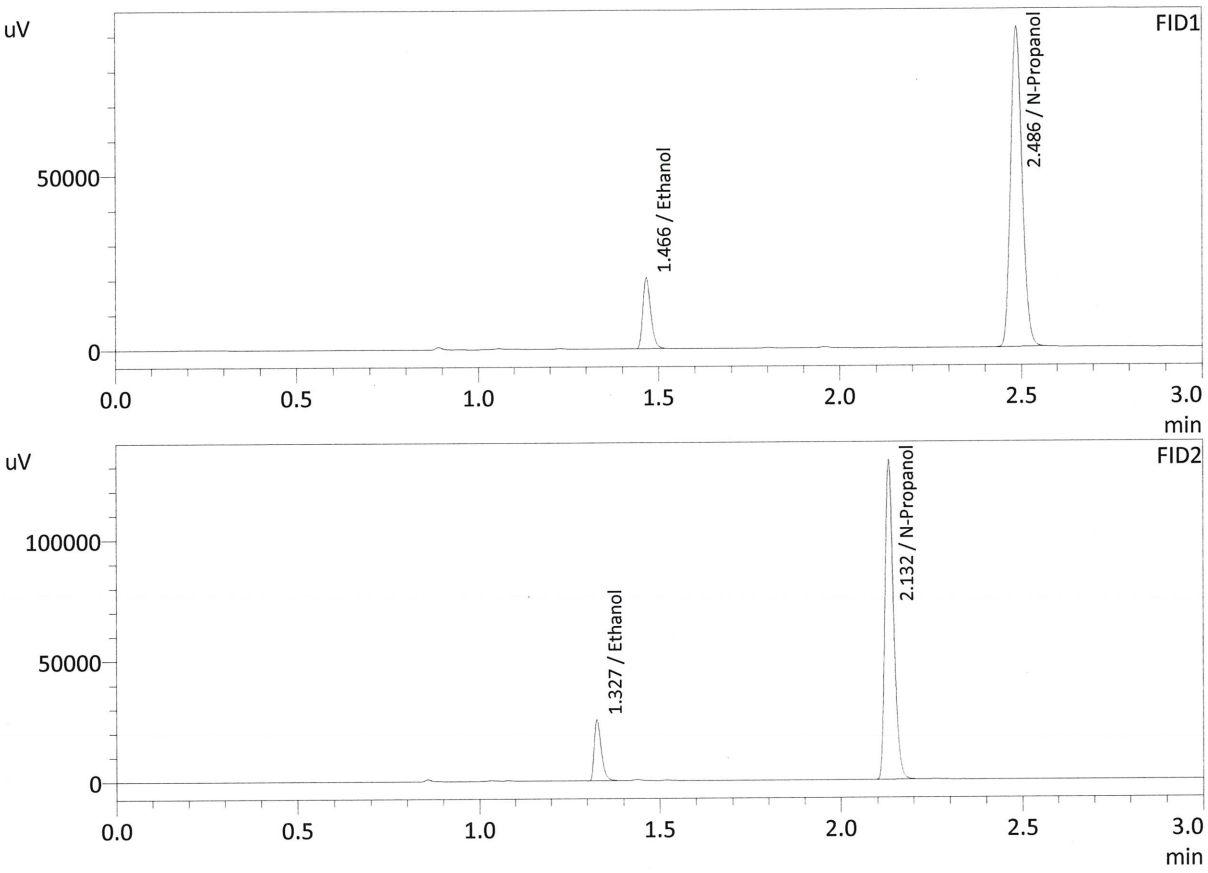
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

JL

Sample Name : QC-1-1-A
Laboratory : Meridian
Injection Date : 9/9/2022 2:04:30 PM
Vial # : 3
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

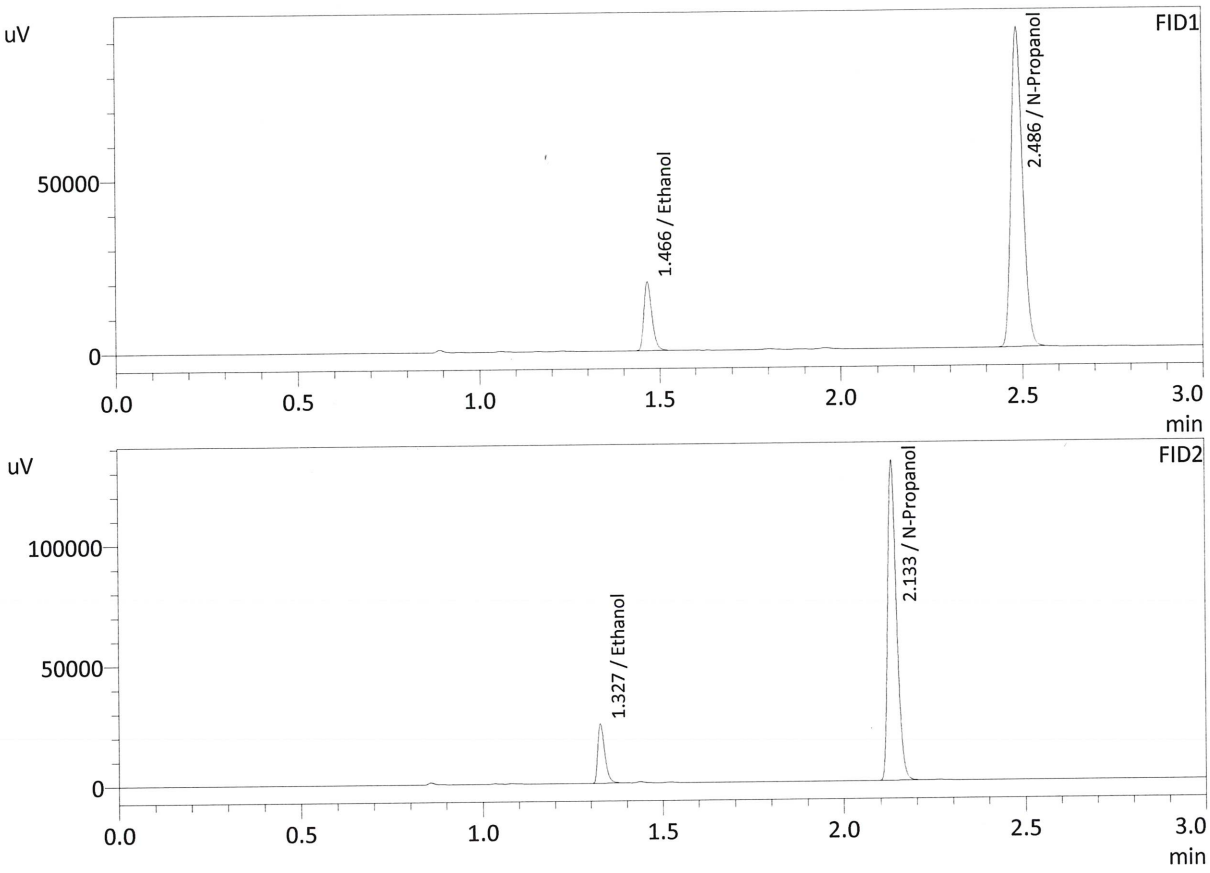
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0756	31182	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202240	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0753	33715	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220174	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 9/9/2022 2:13:28 PM
Vial # : 4
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0736	30499	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203341	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0734	32975	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	221404	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.08 QA **Item #** **Analysis Date(s): 09/09/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0794	0.0003	0.0795	0.0025	0.0807
(g/100cc)	0.0821	0.0819	0.0002	0.0820		

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%

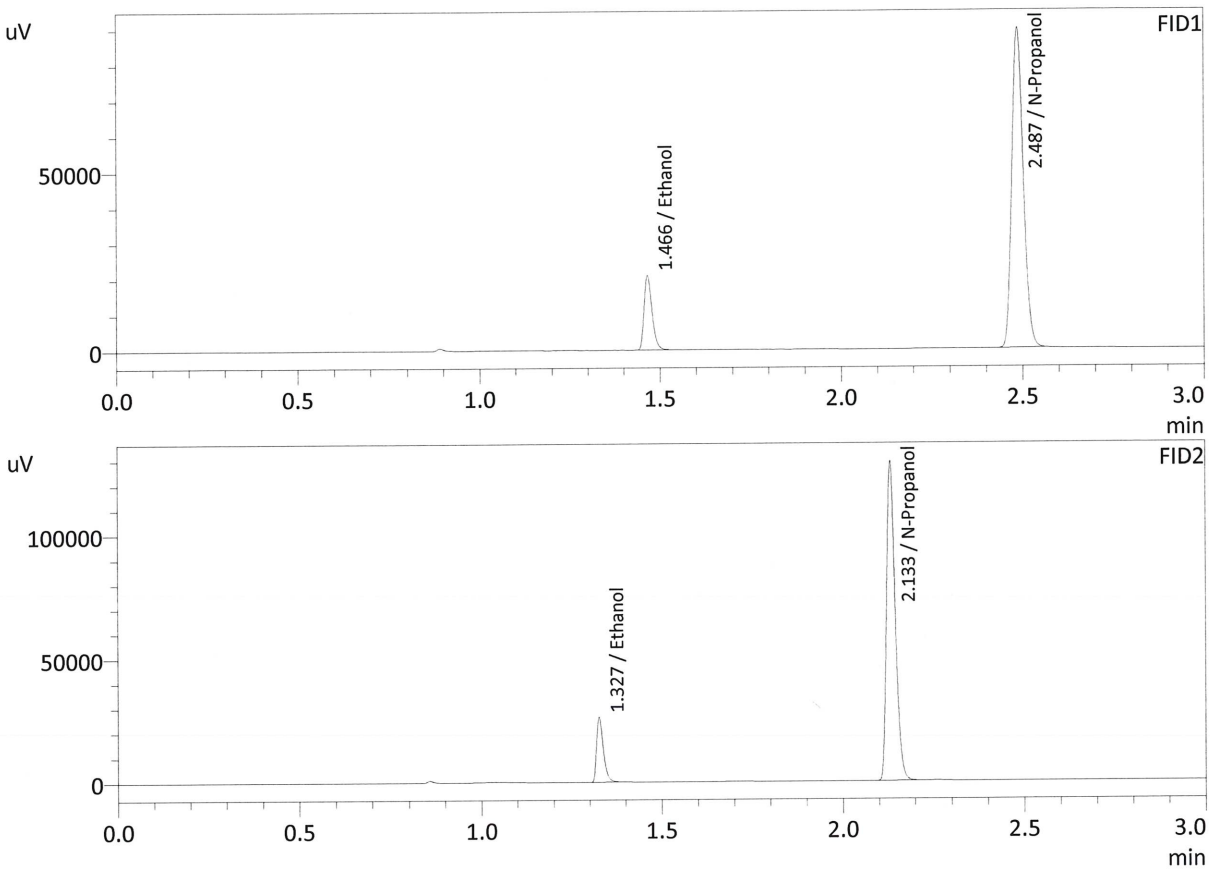
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

JL

Sample Name : 0.08 QA-A
Laboratory : Meridian
Injection Date : 9/9/2022 2:20:59 PM
Vial # : 5
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



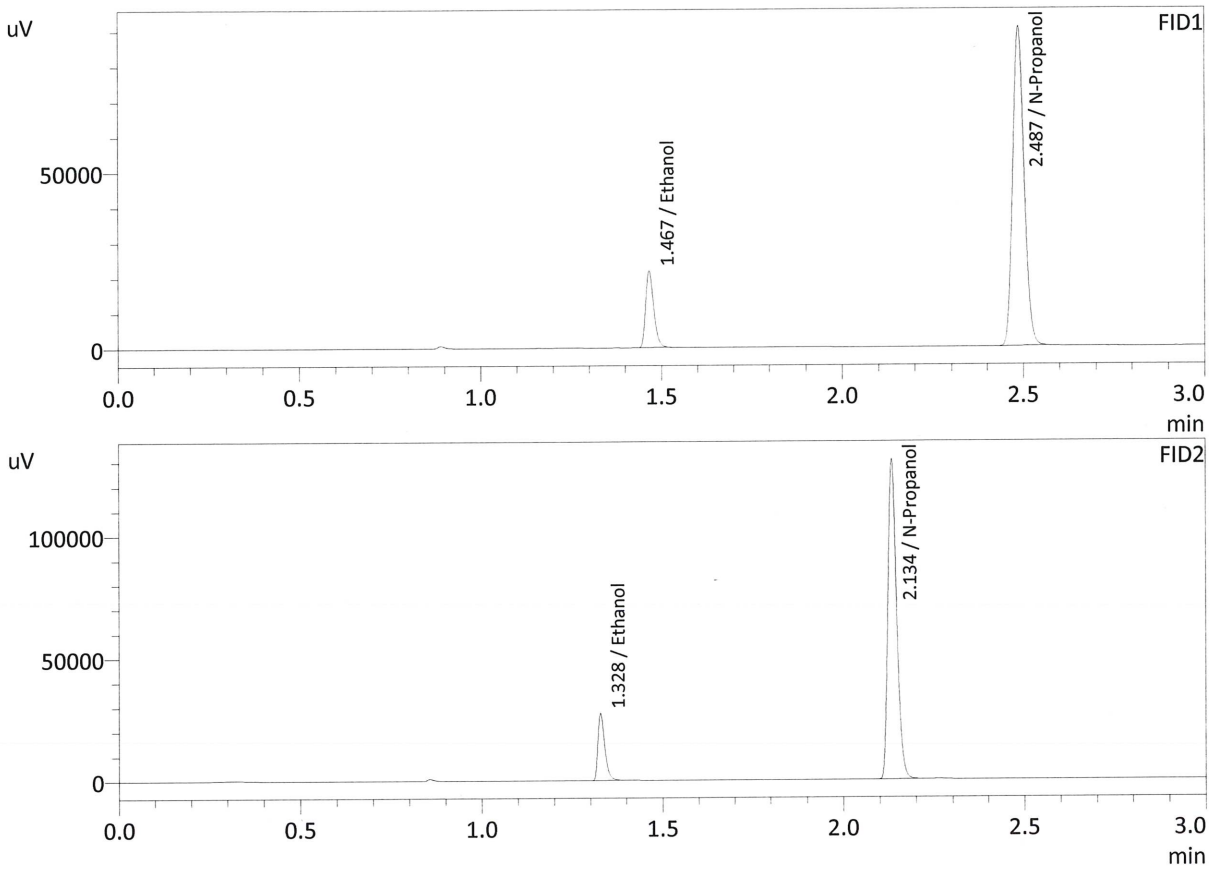
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0797	32172	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197400	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0794	34799	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214958	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : 0.08 QA-B
Laboratory : Meridian
Injection Date : 9/9/2022 2:29:12 PM
Vial # : 6
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0821	33624	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	199851	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0819	36402	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	217749	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Item #** **Analysis Date(s): 09/09/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2117	0.2117	0.0000	0.2117	0.0008	0.2121
(g/100cc)	0.2126	0.2125	0.0001	0.2125		

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%

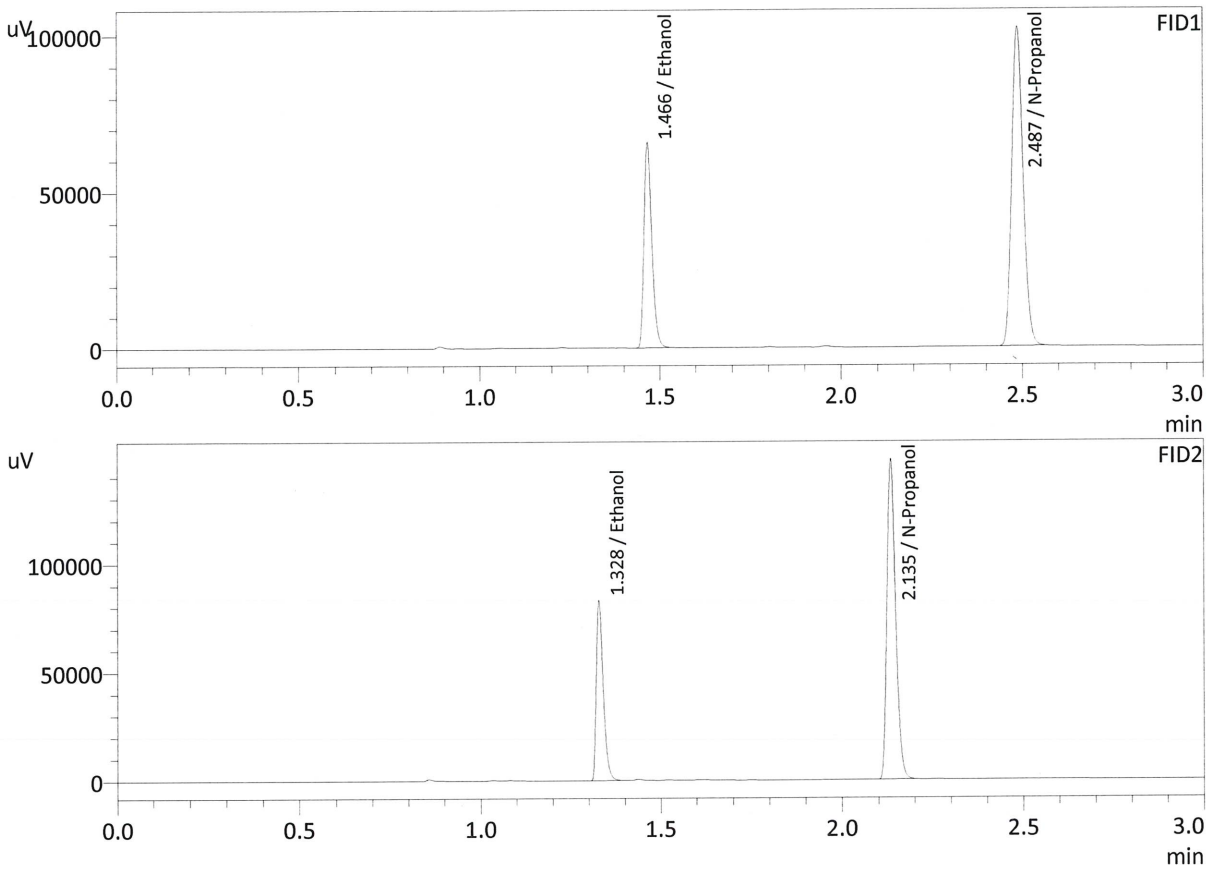
Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

Reported Result
0.212

Calibration and control data are stored centrally.

JC

Sample Name : QC-2-1-A
Laboratory : Meridian
Injection Date : 9/9/2022 5:03:21 PM
Vial # : 25
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



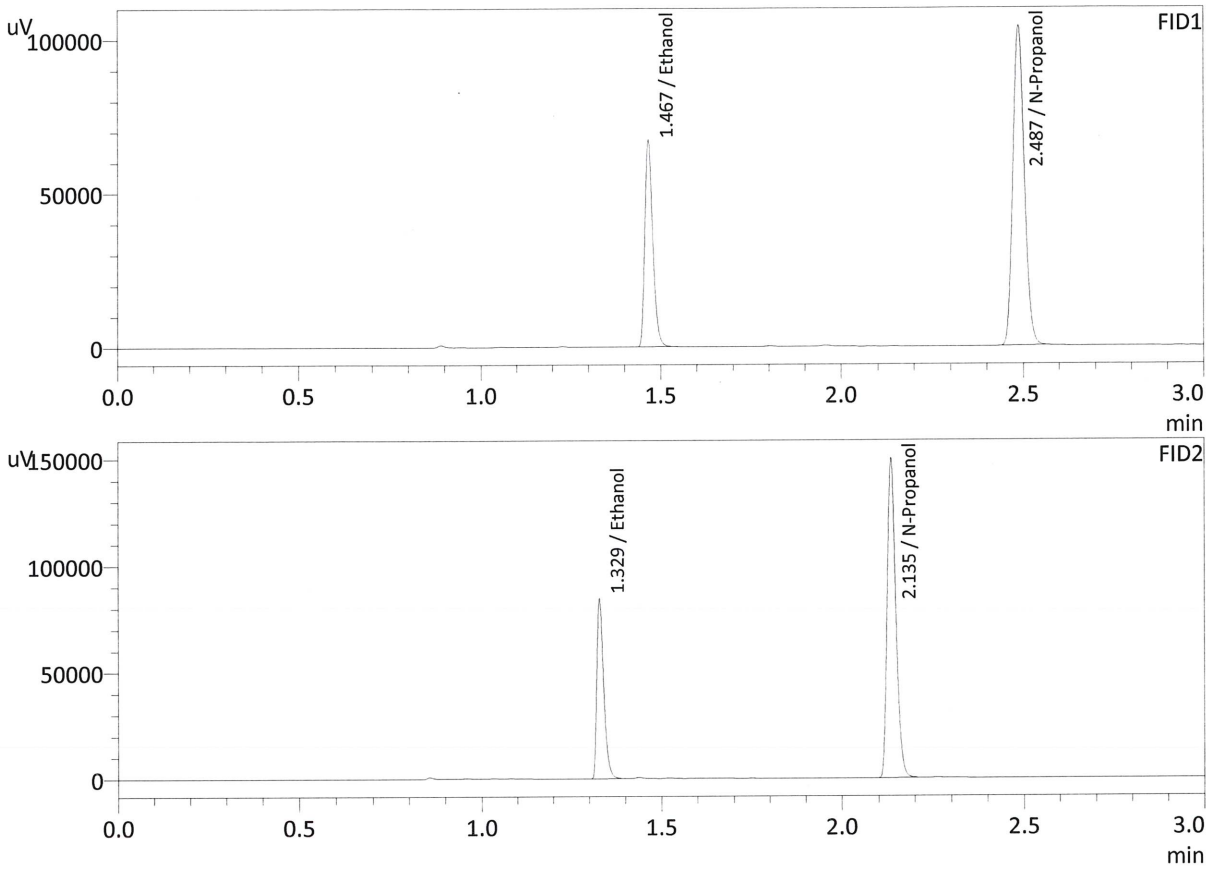
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2117	100686	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	224903	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2117	109471	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	245186	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : QC-2-1-B
Laboratory : Meridian
Injection Date : 9/9/2022 5:10:56 PM
Vial # : 26
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2126	102799	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	228726	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2125	111713	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	249203	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Item #** **Analysis Date(s): 09/09/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0779	0.0778	0.0001	0.0778	0.0003	0.0776
(g/100cc)	0.0775	0.0775	0.0000	0.0775		

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%**

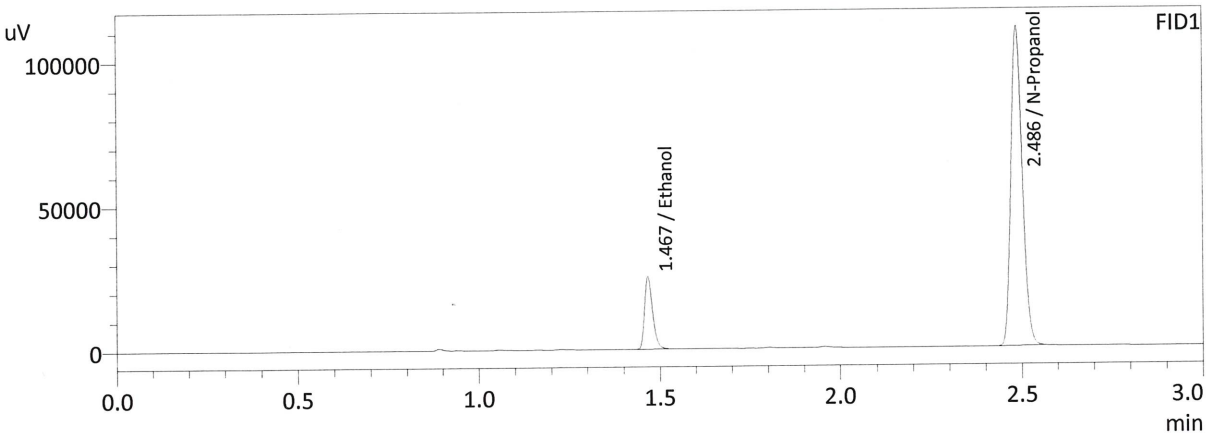
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

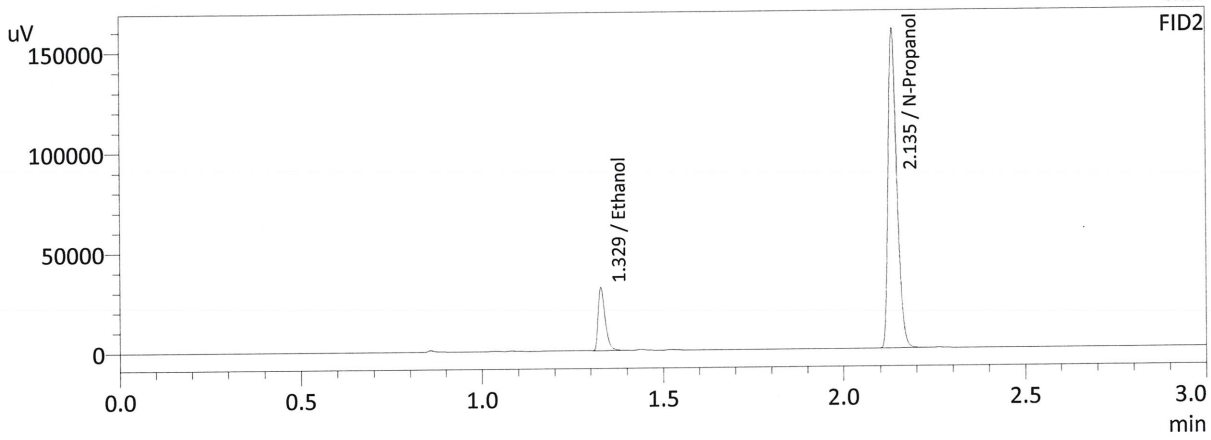
	Reported Result	
	0.077	

Calibration and control data are stored centrally.

JC

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : 9/9/2022 7:58:34 PM
Vial # : 47
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409





FID1

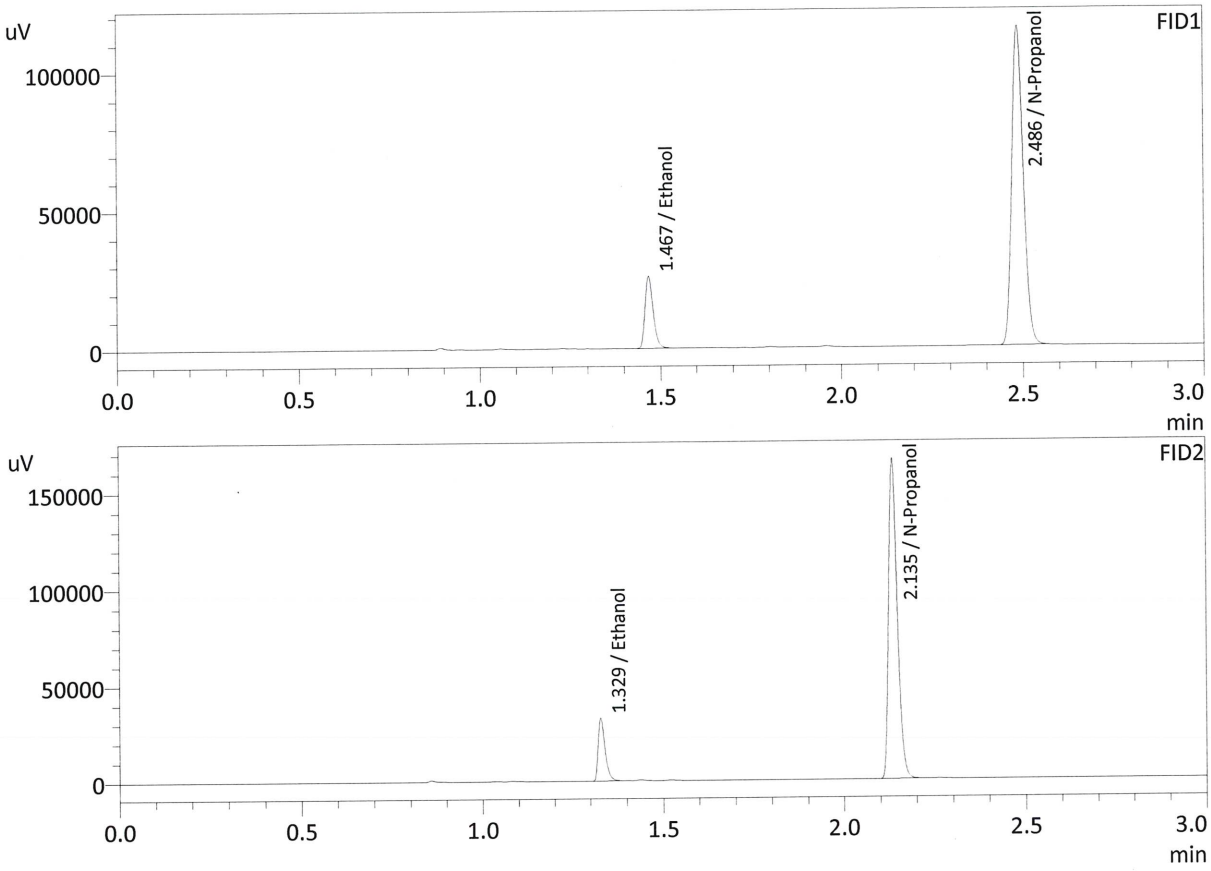
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0779	38713	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	243153	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0778	41998	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	265167	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : 9/9/2022 8:07:36 PM
Vial # : 48
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	40068	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	253038	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0775	43537	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275894	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JC

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Item #** **Analysis Date(s): 09/09/2022**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2106	0.2105	0.0001	0.2105	0.0009	0.2110
(g/100cc)	0.2116	0.2113	0.0003	0.2114		

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%**

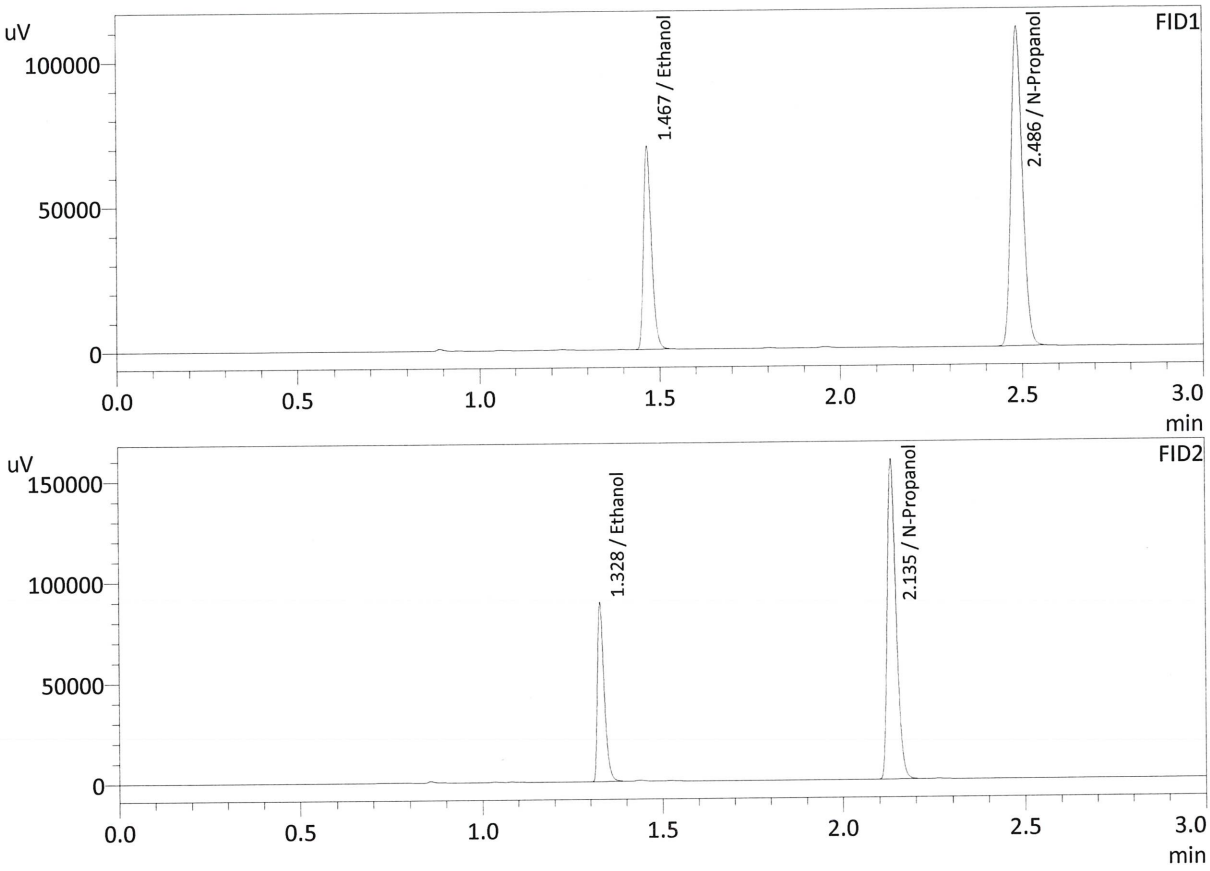
Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

	Reported Result	
	0.211	

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : 9/9/2022 8:15:24 PM
Vial # : 49
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



FID1

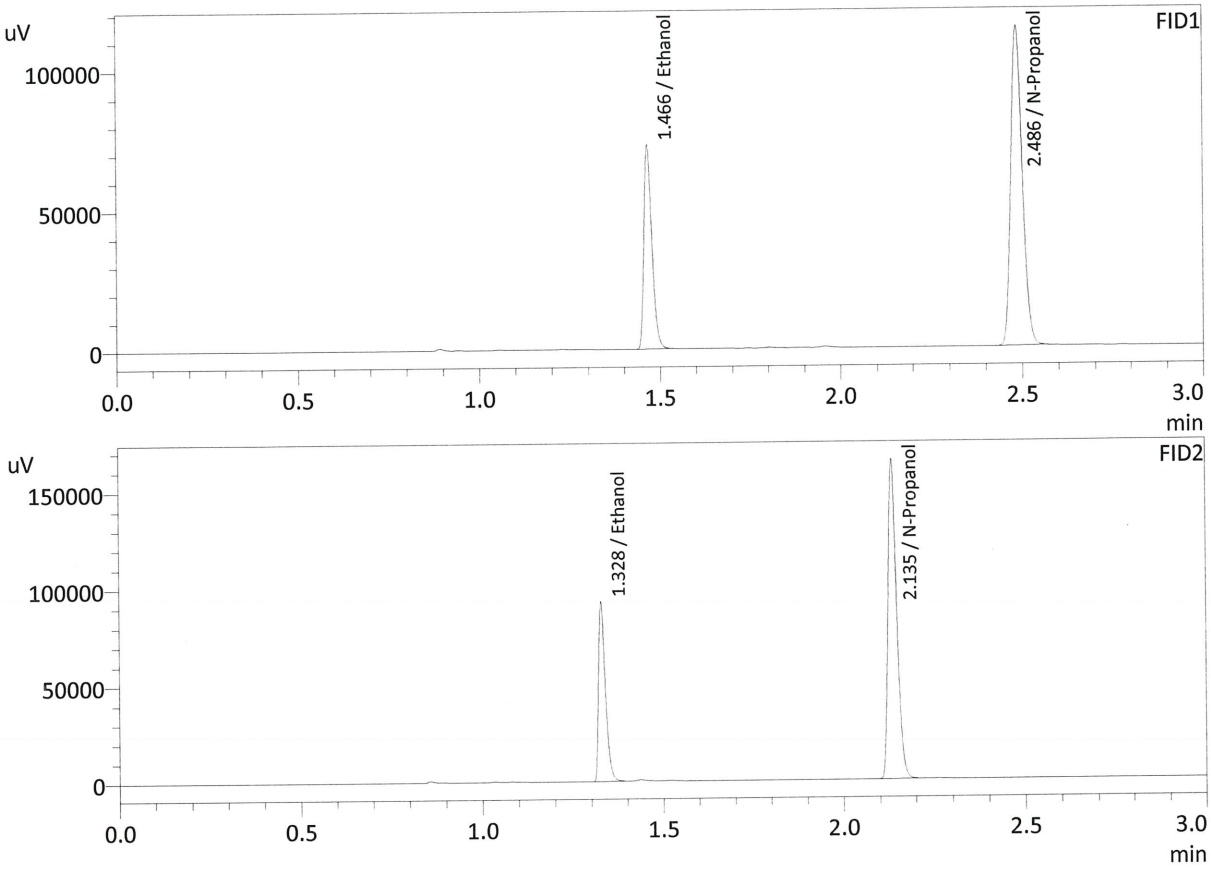
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2106	107667	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	241882	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2105	117013	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	263538	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

JG

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 9/9/2022 8:22:29 PM
Vial # : 50
Method Filename : C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409



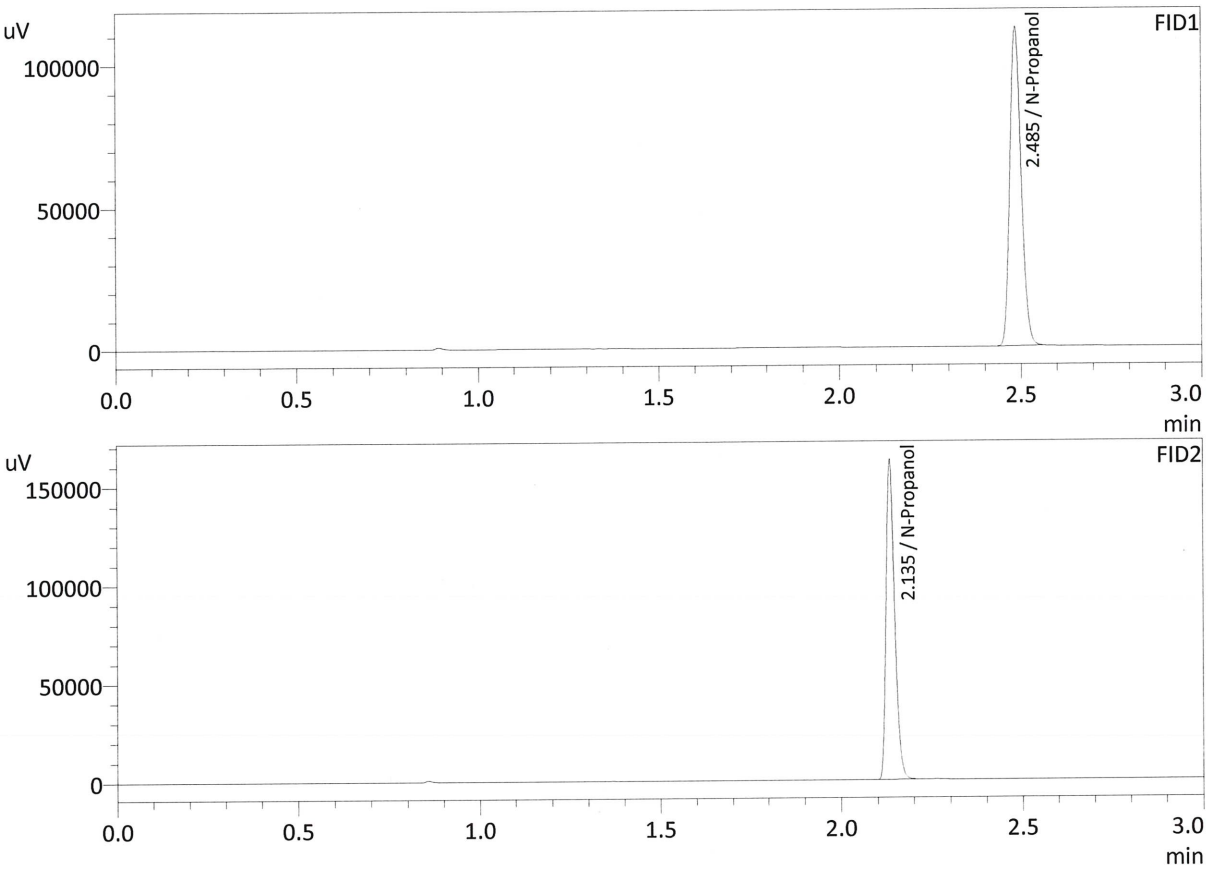
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2116	112117	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	250674	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2113	121863	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	273364	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 9/9/2022 8:32:21 PM
Vial # : 51
Method Filename : C:\LabSolutions\Data\220909\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	246759	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	269367	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\220909\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
7	M2022-3688-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
8	M2022-3688-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
9	M2022-3688-2A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
10	M2022-3688-2B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
11	M2022-3688-3A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
12	M2022-3688-3B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
13	M2022-3688-4A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
14	M2022-3688-4B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
15	M2022-3656-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
16	M2022-3656-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
17	M2022-3657-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
18	M2022-3657-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
19	M2022-3665-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
20	M2022-3665-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
21	M2022-3666-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
22	M2022-3666-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
23	M2022-3667-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
24	M2022-3667-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
27	M2022-3689-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
28	M2022-3689-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
29	M2022-3715-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
30	M2022-3715-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
31	M2022-3716-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
32	M2022-3716-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
33	M2022-3717-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
34	M2022-3717-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
35	M2022-3718-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
36	M2022-3718-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
37	M2022-3719-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
38	M2022-3719-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
39	M2022-3720-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
40	M2022-3720-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
41	M2022-3748-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
42	M2022-3748-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
43	M2022-3765-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
44	M2022-3765-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
45	P2022-2664-1A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
46	P2022-2664-1B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
49	QC2-2-A	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
50	QC2-2-B	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM
51	INT STD BLK	C:\LabSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM

JG