

**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): 09/29/22

Calibration Date: (if different) 9/29/22

Worklist #: 6110

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
					0.0826 g/100cc
					g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2148 g/100cc
					0.2162 g/100cc
					g/100cc
<b>Multi-Component mixture:</b>		<b>Exp:</b>	<b>Oct. 2024</b>	<b>Lot #</b>	FN06041902
<b>Curve Fit:</b>			<b>Column 1</b>	0.99968	<b>Column2</b> 0.99967

**Ethanol Calibration Reference Material**

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0525	0.0525	0	0.0525
100	0.100	0.090 - 0.110	0.0978	0.0977	0.0001	0.0977
200	0.200	0.180 - 0.220	0.1964	0.1964	0	0.1964
300	0.300	0.270 - 0.330	0.3040	0.3040	0	0.304
400	0.400	0.360 - 0.440	N/A	N/A	#####	#DIV/0!
500	0.500	0.450 - 0.550	0.4991	0.4991	0	0.4991

**Aqueous Controls**

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

**REVIEWED**

*By Rachel Cutler at 12:01 pm, Sep 30, 2022*

JK

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

### Internal Standard Monitoring Worksheet

Worksheet #: 6110

Run Date(s): 09/29/22

Internal Standard Solution:	Prep Date: 8/31/2022	Exp Date: 2/31/23
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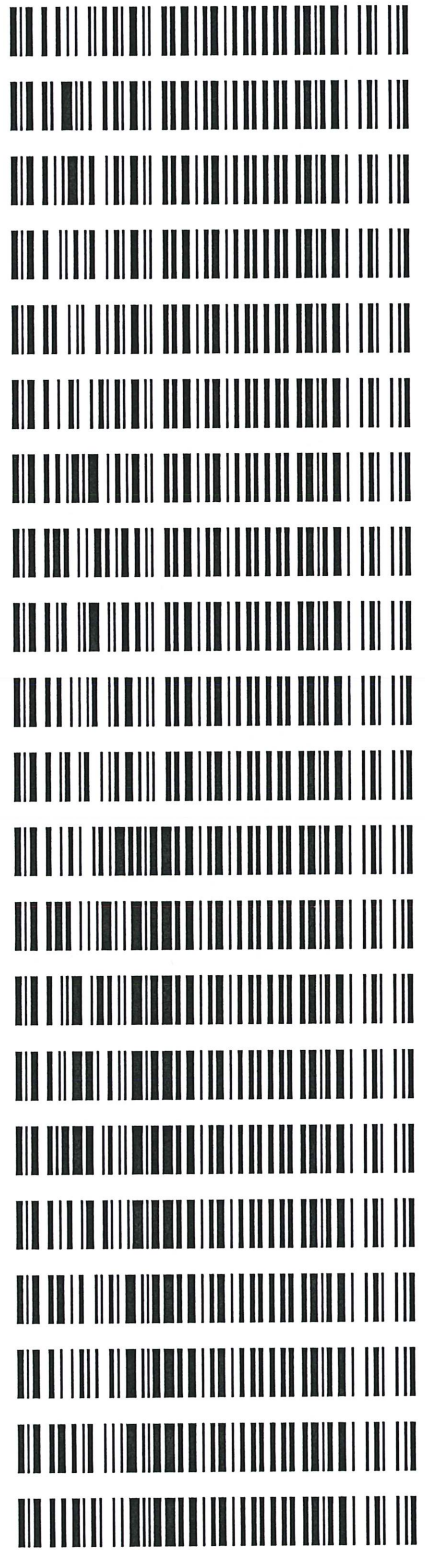
Sample Name	Column 1 Value	Column 2 Value
0.080	208751	227427
0.080	201780	219773
QC1	200488	218278
QC1	201771	219718
QC1	225425	246025
QC1	243905	266227
QC1		
QC1		
QC2	231141	251934
QC2	231794	252646
QC2	253427	276409
QC2	263684	287524
QC2		
QC2		

	Average	(-)20%	(+ )20%
Column 1	226216.6	180973.3	271459.9
Column 2	246596.1	197276.9	295915.3

Jc

Worklist: 6110

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
M2022-3886	1	BCK	Alcohol Analysis
M2022-3905	1	BCK	Alcohol Analysis
M2022-3927	1	BCK	Alcohol Analysis
M2022-3928	1	BCK	Alcohol Analysis
M2022-3929	1	BCK	Alcohol Analysis
M2022-3939	1	BCK	Alcohol Analysis
M2022-3940	1	BCK	Alcohol Analysis
M2022-3941	1	BCK	Alcohol Analysis
M2022-3955	1	BCK	Alcohol Analysis
M2022-3967	1	BCK	Alcohol Analysis
M2022-3994	1	BCK	Alcohol Analysis
M2022-3995	1	BCK	Alcohol Analysis
M2022-4023	1	BCK	Alcohol Analysis
M2022-4032	1	BCK	Alcohol Analysis
M2022-4074	1	BCK	Alcohol Analysis
M2022-4083	1	BCK	Alcohol Analysis
M2022-4084	1	CBUK	Alcohol Analysis
M2022-4085	1	BCK	Alcohol Analysis
M2022-4086	1	BCK	Alcohol Analysis
M2022-4087	1	BCK	Alcohol Analysis
M2022-4088	1	BCK	Alcohol Analysis



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**Worklist: 6110**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2022-4099	1	BCK	Alcohol Analysis



JC

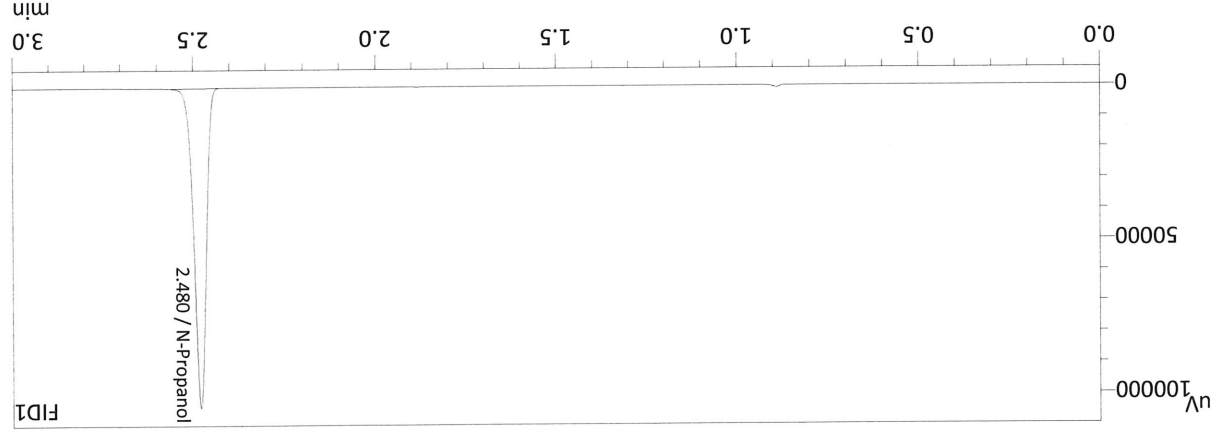
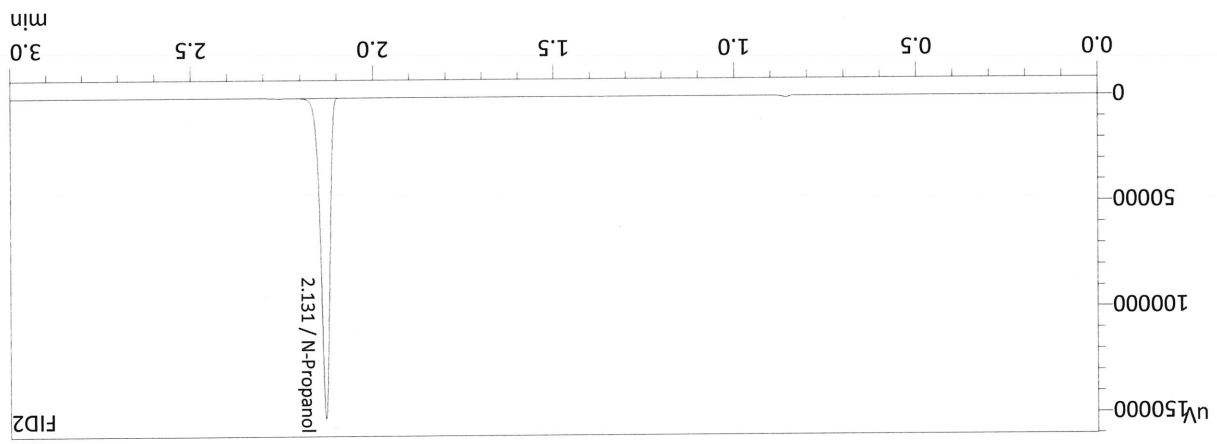
56

Name	Conc.	Area	Unit
Fluor: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	250923	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc

FID2

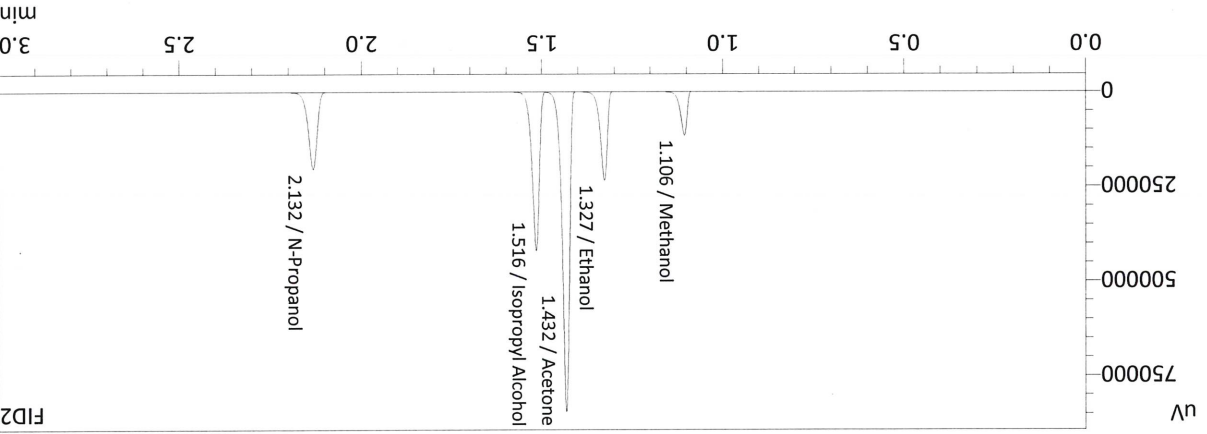
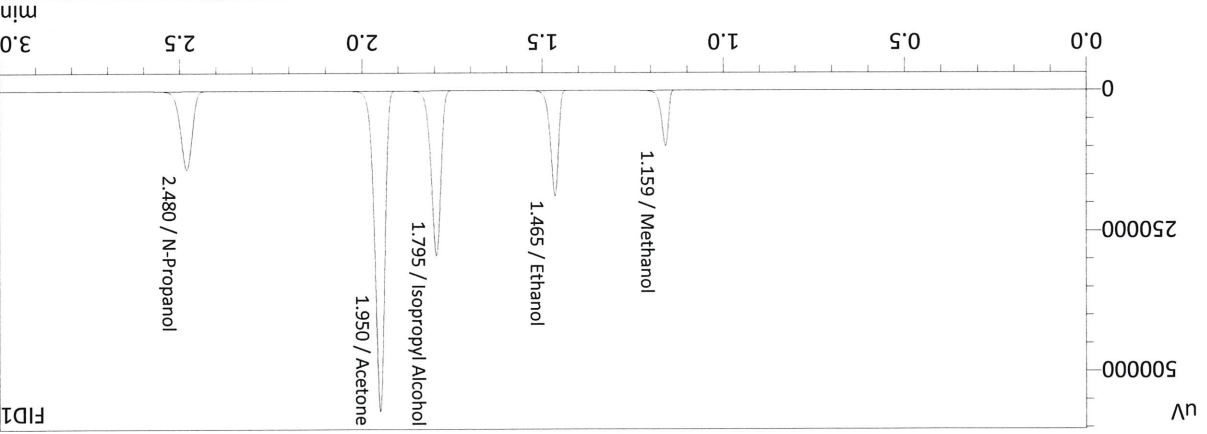
Name	Conc.	Area	Unit
Fluor: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	229831	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : INT STD BLK 1  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 12:33:17 PM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

Sample Name : MIXED VOLATILES FN 06041902  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 12:40:38 PM  
 Vial # : 2  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	132283	g/100cc
Ethanol	0.4338	283848	g/100cc
Isopropyl Alcohol	0.0000	535559	g/100cc
Acetone	0.0000	1046303	g/100cc
N-Propanol	0.0000	307422	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	143214	g/100cc
Ethanol	0.4336	307334	g/100cc
Acetone	0.0000	1128848	g/100cc
Isopropyl Alcohol	0.0000	578943	g/100cc
N-Propanol	0.0000	333909	g/100cc
Fluor: Hydrocarbon(s)	--	--	g/100cc

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## VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QCT-1      Item #      Analysis Date(s): 09/29/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0750	0.0751	0.0001	0.0750	0.0009	0.0754
(g/100cc)	0.0759	0.0759	0.0000	0.0759		

**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			
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004
Uncertainty of Measurement (UM%): 5.00%			
Reported Result			
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0.075			

*Calibration and control data are stored centrally.*

JK

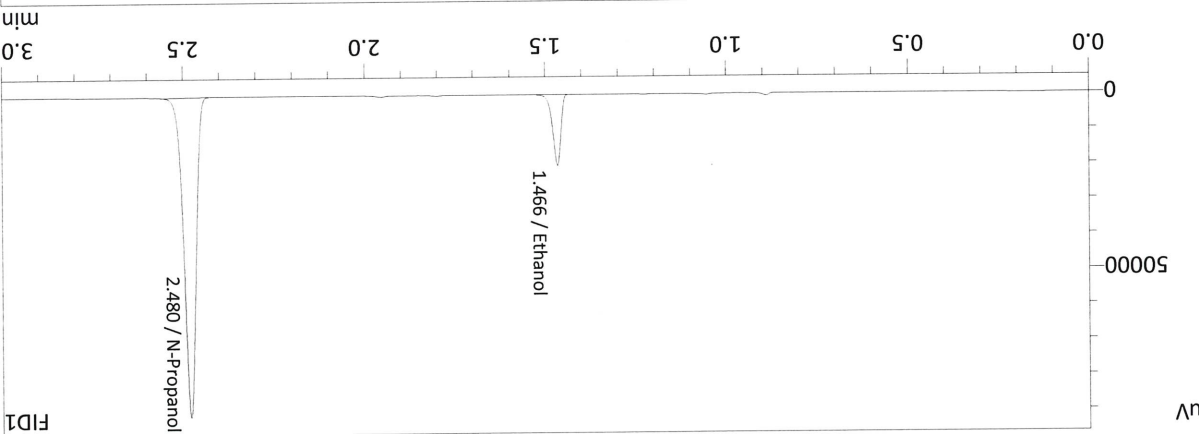
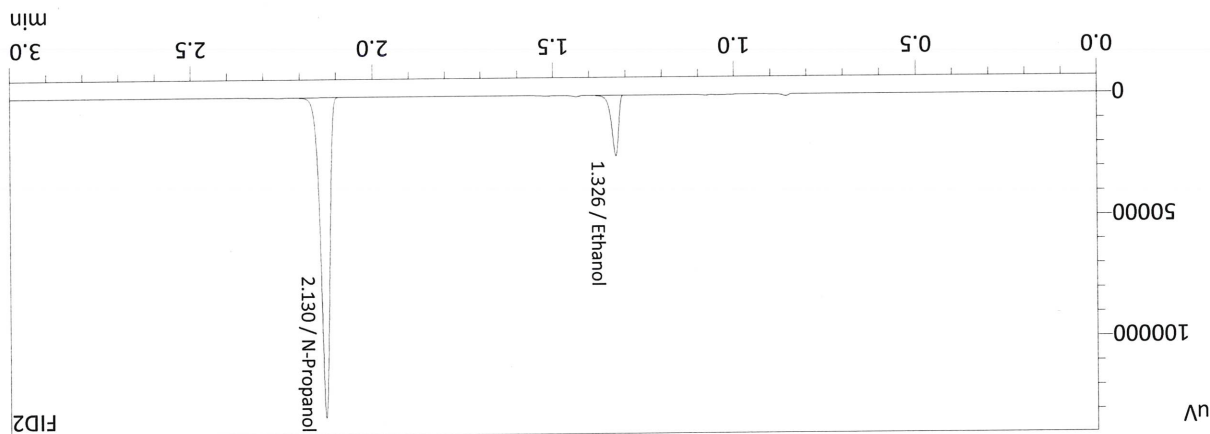
26

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0751	33283	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218278	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0750	30745	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200488	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID1



Sample Name : QC-1-1-A  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 12:47:59 PM  
 Vial # : 3  
 Method Filename : C:\Labsolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



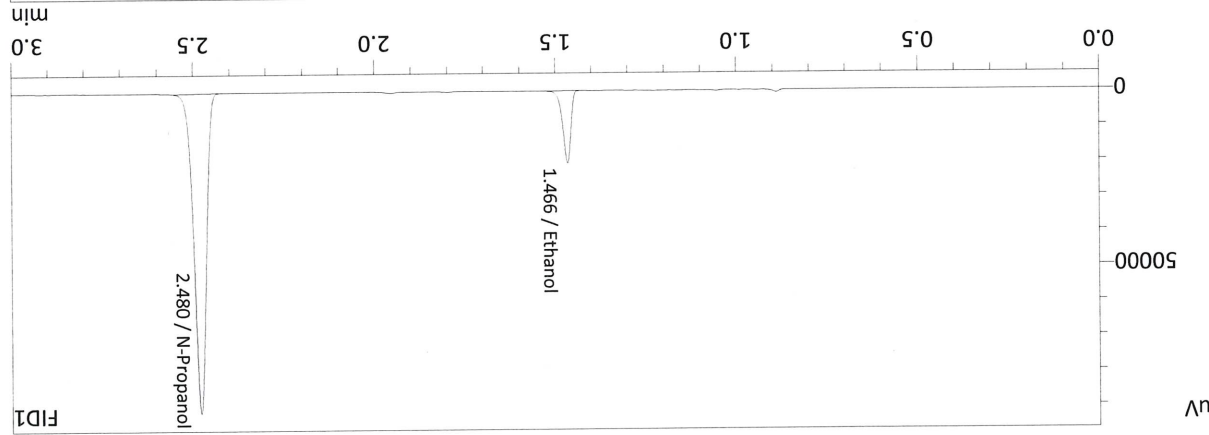
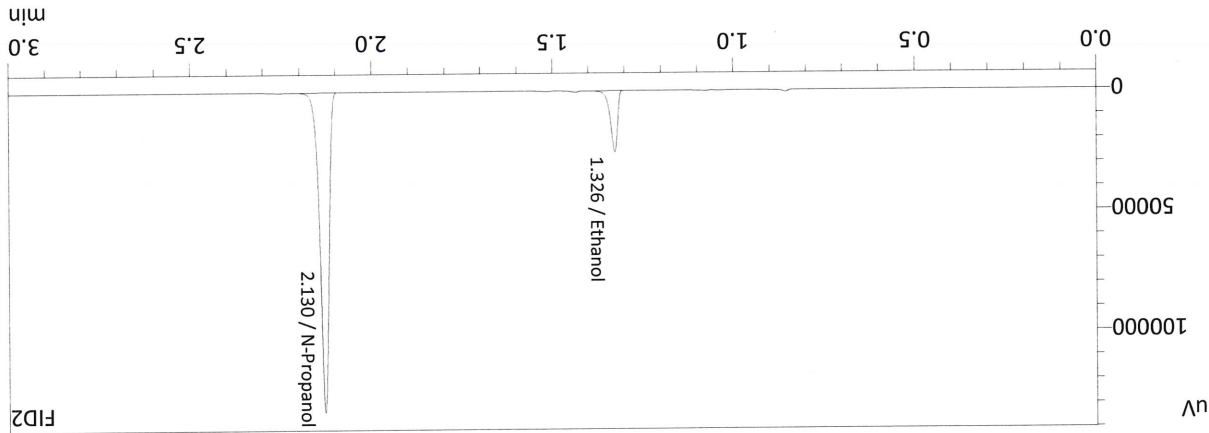
26

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	219718	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0759	33900	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	201771	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	0.0759	31352	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : QC-1-1-B  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 12:56:46 PM  
 Vial # : 4  
 Method Filename : C:\Labsolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: 0.080 QA      Item #      Analysis Date(s): 09/29/2022

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
(g/100cc)	0.0827	0.0828	0.0001	0.0827	0.0015	0.0820
	0.0812	0.0813	0.0001	0.0812		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

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

**Reporting of Results**

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

Uncertainty of Measurement (UM%): 5.00%

**Reported Result**

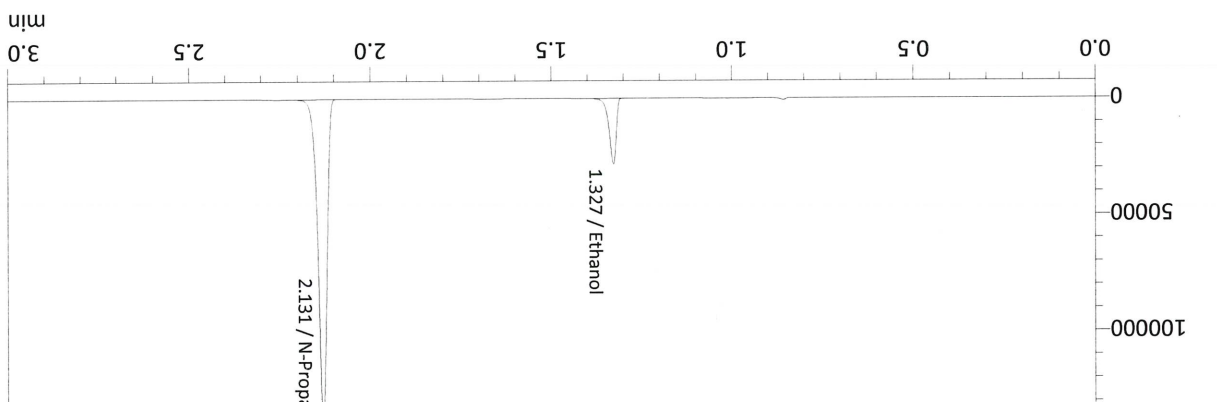
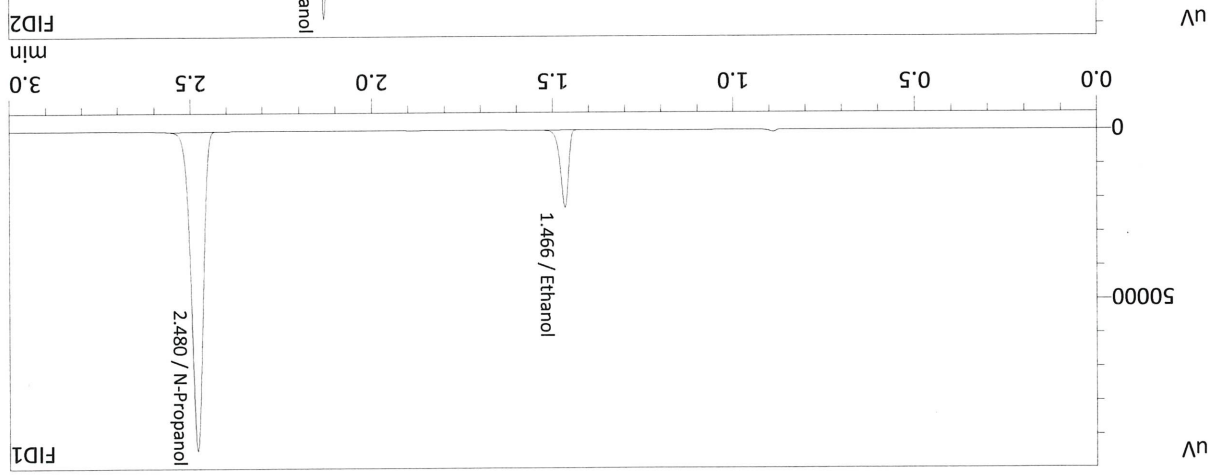
0.082

*Calibration and control data are stored centrally.*

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Uc

Sample Name : 0.08 QA-A  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 1:04:19 PM  
 Vial # : 5  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	34794	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	208751	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0813	37708	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	227427	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

FID1

06

Sample Name : 0.08 QA-B  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 1:12:43 PM  
 Vial # : 6  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0827	34309	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	201780	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0828	37148	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	219773	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: Q02-1      Item #      Analysis Date(s): 09/29/2022

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
(g/100cc)	0.2138	0.2139	0.0001	0.2138	0.0020	0.2148
	0.2156	0.2160	0.0004	0.2158		

**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			
Overall Mean (g/100cc)	Low	High	5% of Mean
0.214	0.203	0.225	0.011
Uncertainty of Measurement (UM%): 5.00%			

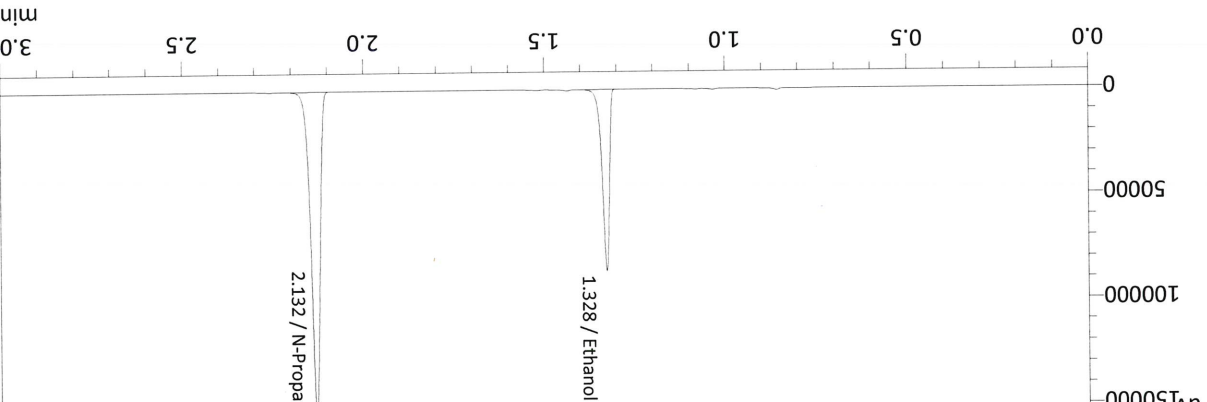
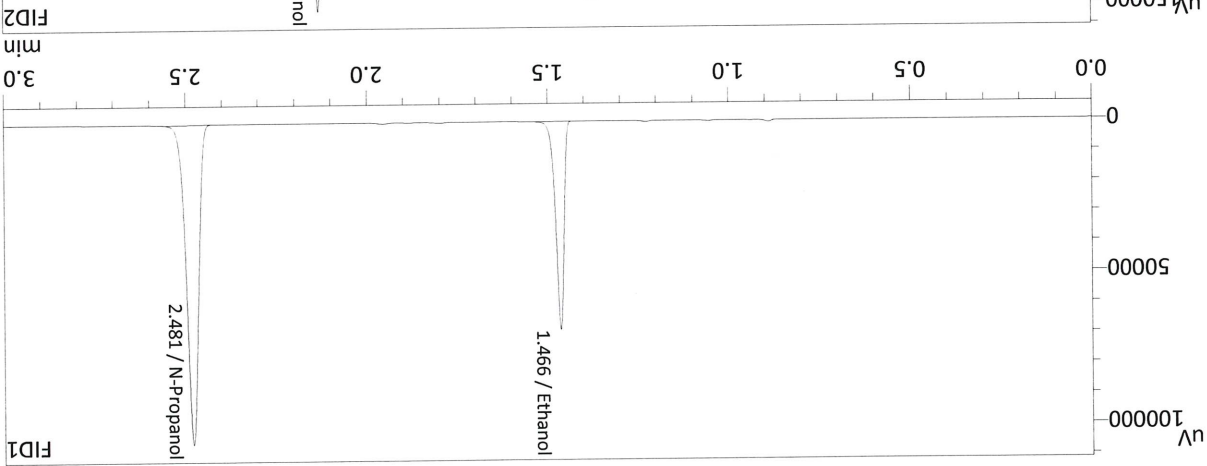
Reported Result
0.214

*Calibration and control data are stored centrally.*

dc

56

Sample Name : QC-2-1-A  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 3:44:13 PM  
 Vial # : 25  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2138	104321	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	231141	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2139	113331	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	251934	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

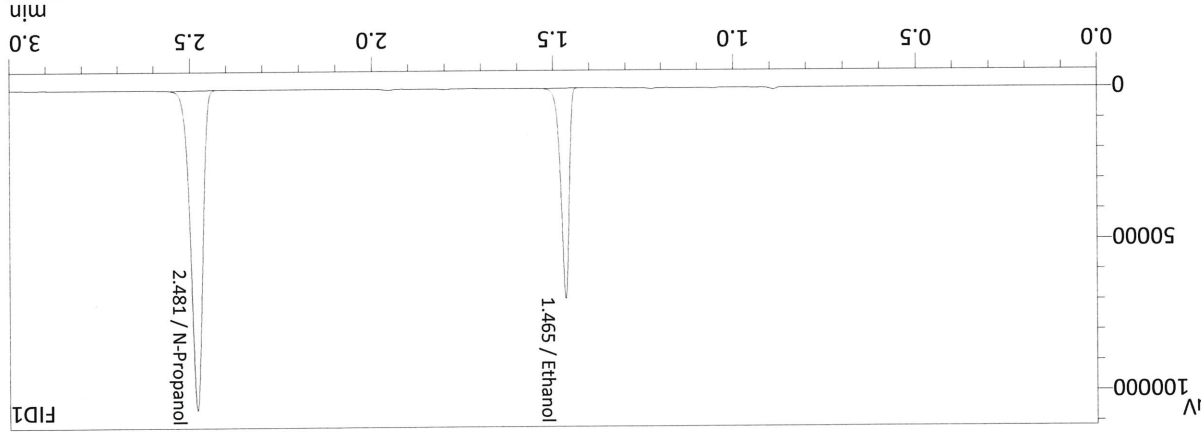
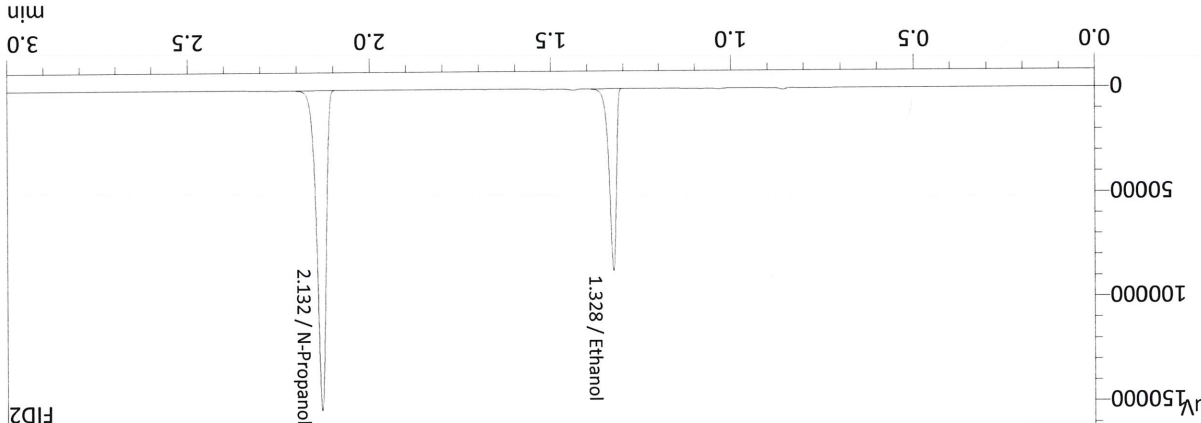
jc

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	252646	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.2160	114788	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	231794	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.2156	105477	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : QC-2-1-B  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 3:51:59 PM  
 Vial # : 26  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QCI-2

Item #

Analysis Date(s): 09/29/2022

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
0.0846	0.0849	0.0003	0.0847	0.0042	0.0826	
0.0804	0.0806	0.0002	0.0805			

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

Uncertainty of Measurement (UM%): 5.00%

Reported Result
0.082

Calibration and control data are stored centrally.

JK



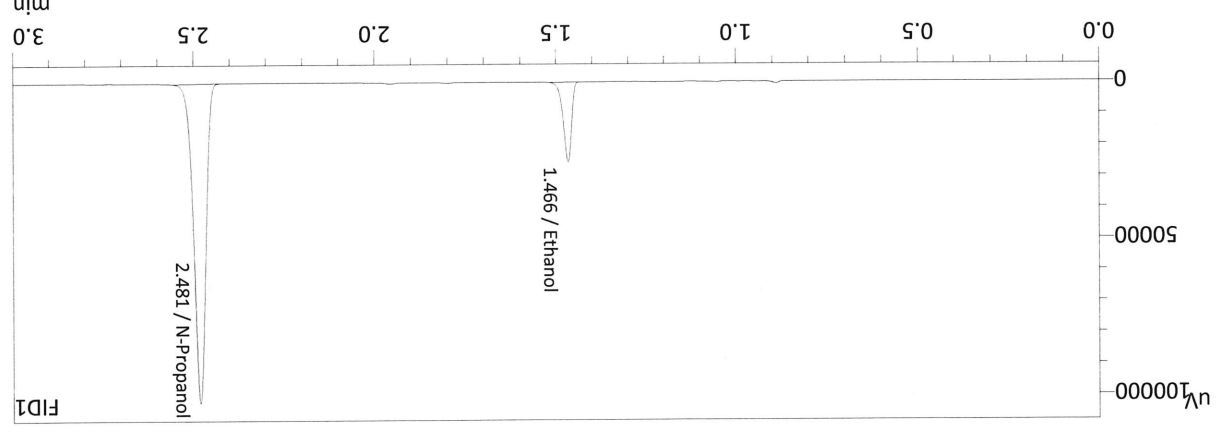
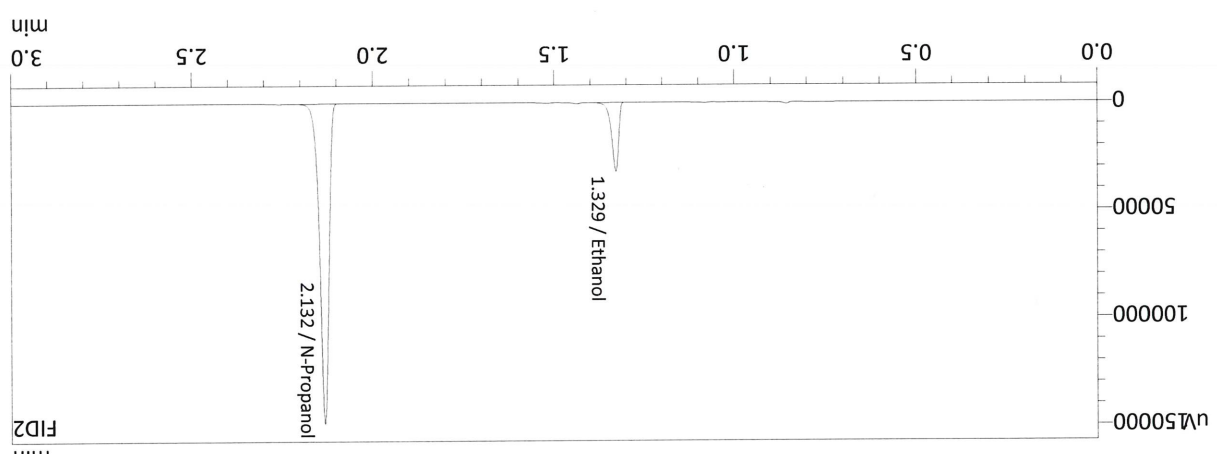
56

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	246025	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0849	42676	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	225425	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0846	39242	g/100cc
Methanol	--	--	g/100cc

FID1

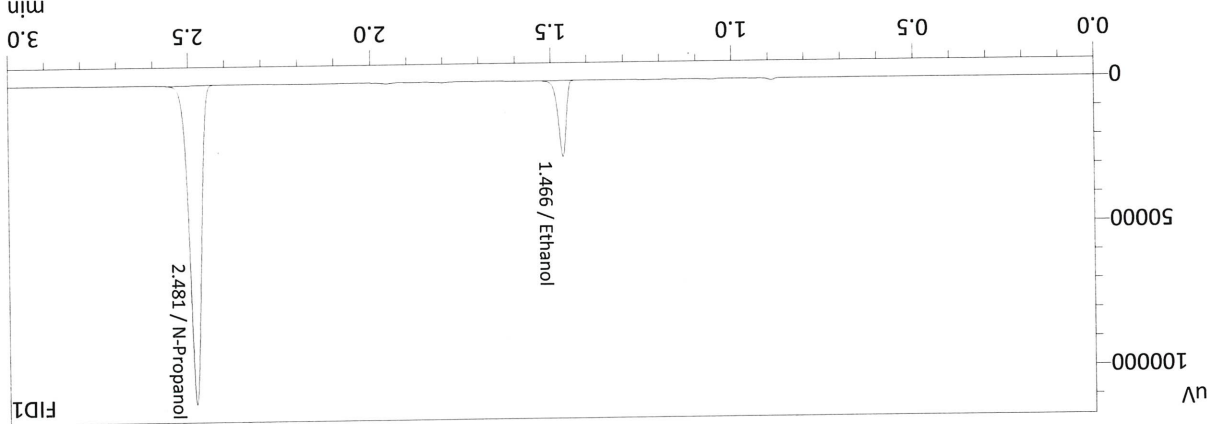
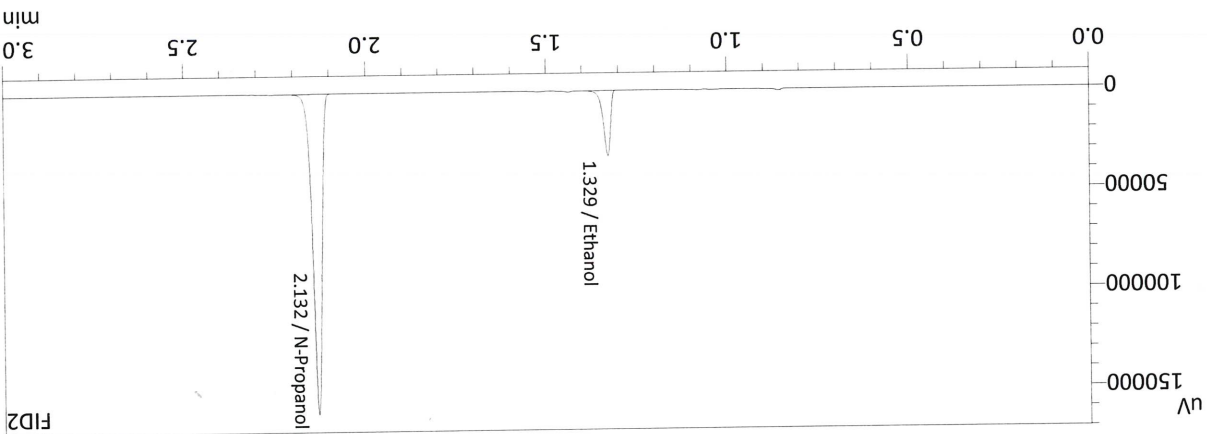


Sample Name : Q1-2-A  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 6:39:37 PM  
 Vial # : 47  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

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Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	266227	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0806	43761	g/100cc
Methanol	--	--	g/100cc

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	243905	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0804	40237	g/100cc
Methanol	--	--	g/100cc



Sample Name : QC1-2-B  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 6:48:27 PM  
 Vial # : 48  
 Method Filename : C:\Labsolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

**VOLATILES BAC CASEFILE WORKSHEET**

Laboratory No.: QC2-2

Item #

Analysis Date(s): 09/29/2022

Sample Results	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
0.2163	0.2165	0.2162	0.0002	0.2164	0.0004	0.2162
(g/100cc)	0.2158	0.2162	0.0004	0.2160		

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
0.216	0.205	0.227	0.011

Reported Result

0.216

Calibration and control data are stored centrally.

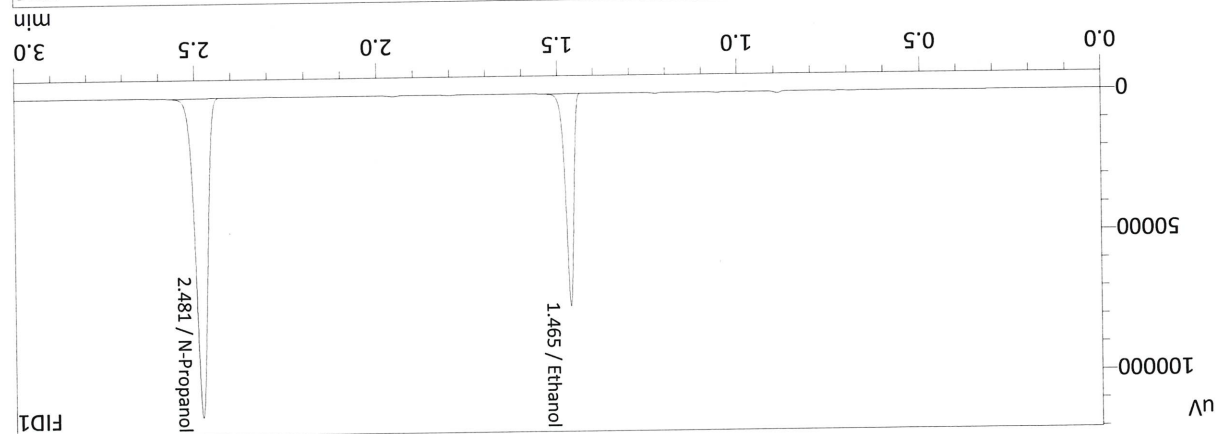
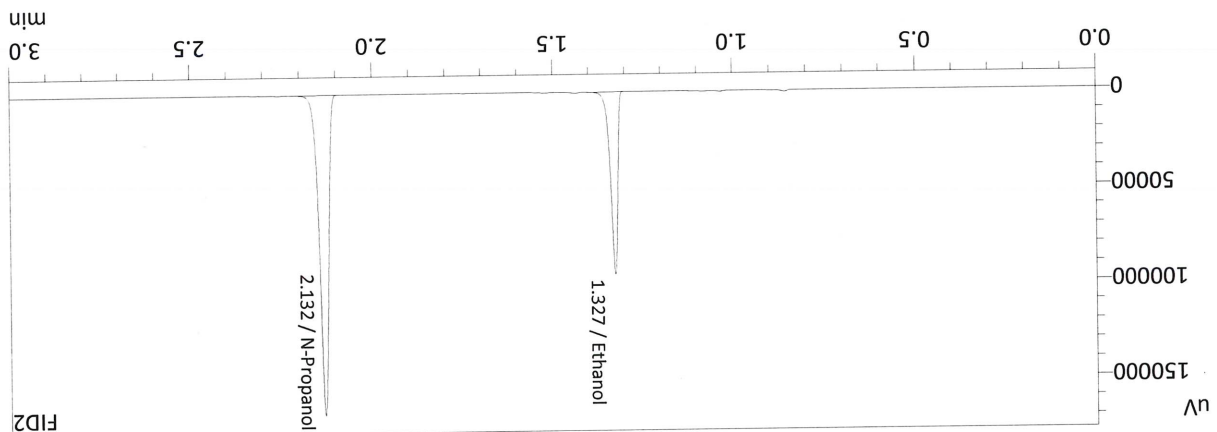
Jc

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	276409	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.2165	125873	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	253427	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	0.2163	115706	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : QC2-2-A  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 7:43:37 PM  
 Vial # : 55  
 Method Filename : C:\Labsolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

56

Sample Name : QC2-2-B  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 7:51:09 PM  
 Vial # : 56  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2158	120110	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	263684	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

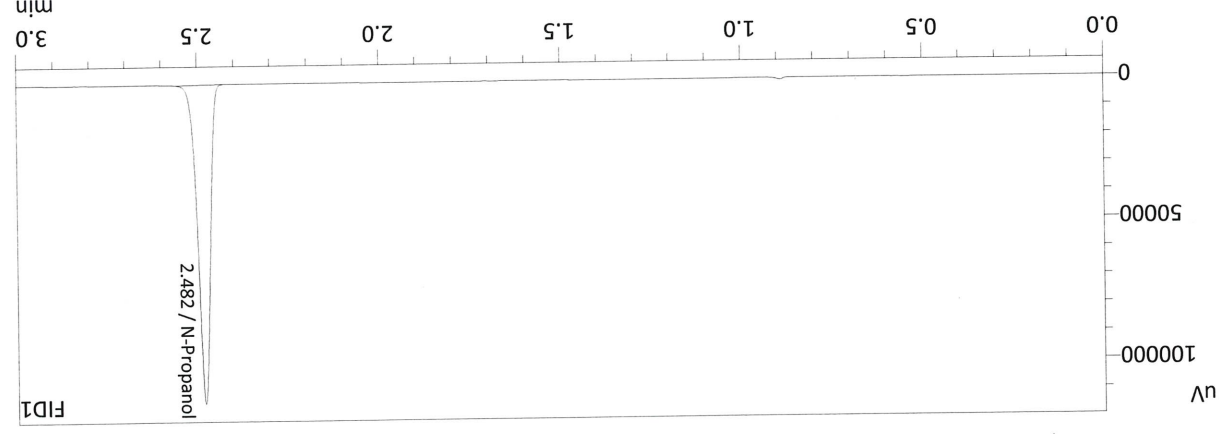
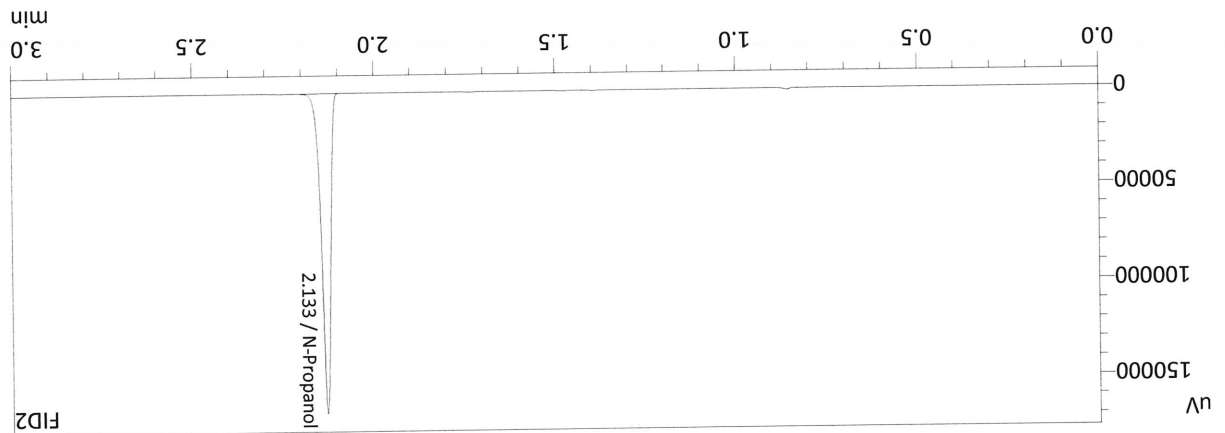
FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2162	130747	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	287524	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

26

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	275043	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	251624	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc



Sample Name : INT STD BLK  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 8:00:31 PM  
 Vial # : 57  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

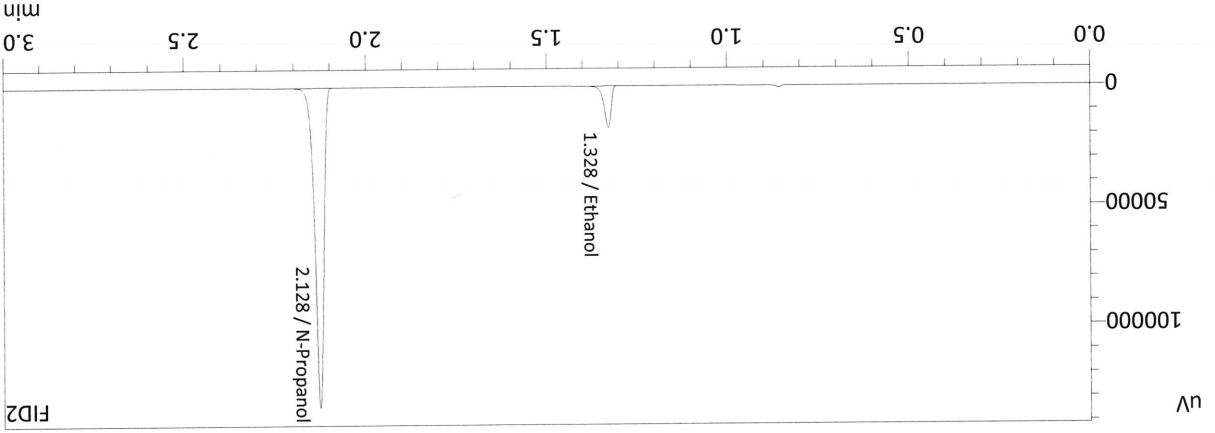
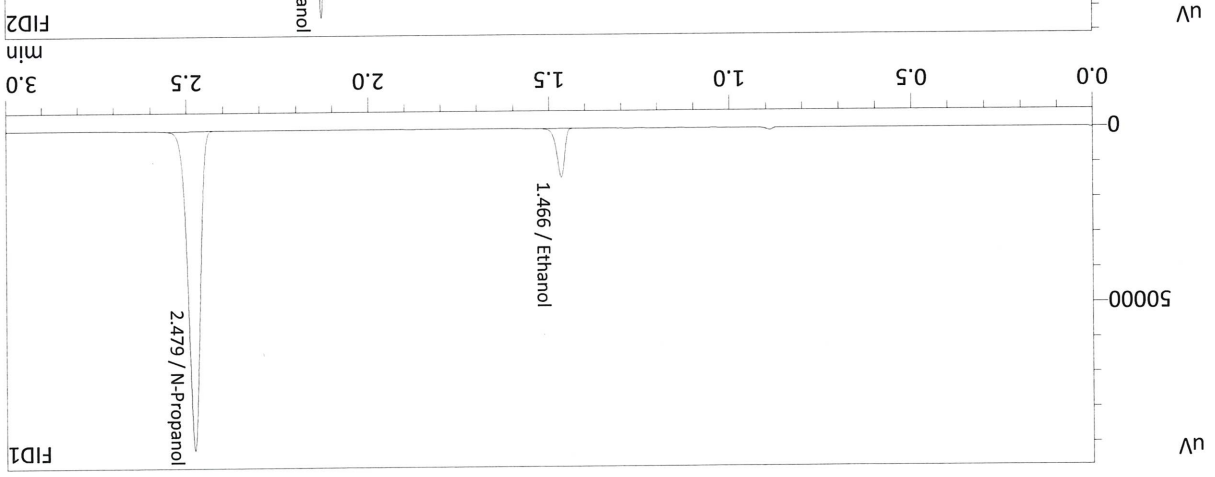
# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C1225750548  
 Shimadzu HS-20 Serial #C12595800409  
 Lab Solutions Software Ver. 5.99  
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
2	INT STD BLK 1	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
3	QC-1-A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
4	QC-1-B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
5	0.08 OA-A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
6	0.08 OA-B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
7	M2022-3886-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
8	M2022-3886-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
9	M2022-3905-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
10	M2022-3905-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
11	M2022-3927-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
12	M2022-3927-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
13	M2022-3928-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
14	M2022-3928-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
15	M2022-3929-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
16	M2022-3929-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
17	M2022-3939-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
18	M2022-3939-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
19	M2022-3940-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
20	M2022-3940-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
21	M2022-3941-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
22	M2022-3941-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
23	M2022-3955-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
24	M2022-3955-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
27	M2022-3967-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
28	M2022-3967-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
29	M2022-3994-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
30	M2022-3994-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
31	M2022-3995-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
32	M2022-3995-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
33	M2022-4023-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
34	M2022-4023-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
35	M2022-4032-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
36	M2022-4032-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
37	M2022-4074-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
38	M2022-4074-1B	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
39	M2022-4083-1A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
40	M2022-4083-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
41	M2022-4084-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
42	M2022-4084-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
43	M2022-4085-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
44	M2022-4085-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
45	M2022-4086-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
46	M2022-4086-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
49	M2022-4087-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
50	M2022-4087-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
51	M2022-4088-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
52	M2022-4088-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
53	M2022-4099-1A	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
54	M2022-4099-1B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
55	QC2-2-A	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM
56	QC2-2-B	C:\LabSolutions>Data\220929\CALIBRATION\ALCOHOL.GCM
57	INT STD BLK	C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM

56

Sample Name : 0.050  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:17:31 AM  
 Vial # : 1  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0525	21240	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	202125	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0525	22965	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	220403	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc



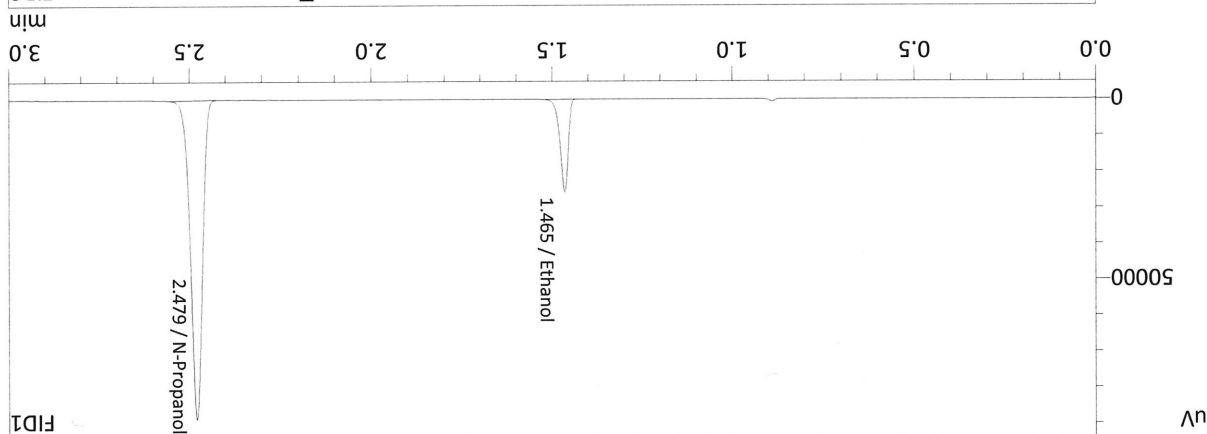
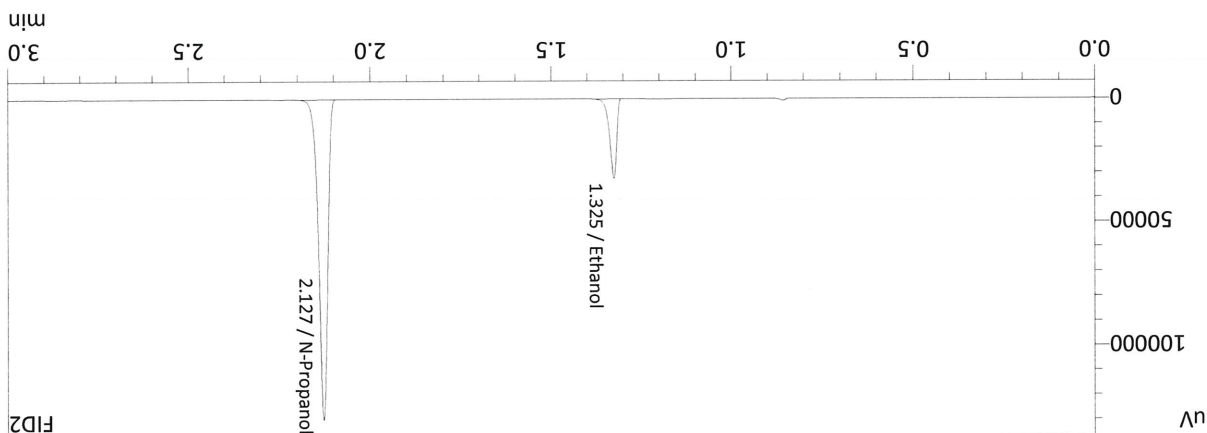
56

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	212791	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0977	42749	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Fluor. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	195260	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.0978	39514	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : 0.100  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:24:51 AM  
 Vial # : 2  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

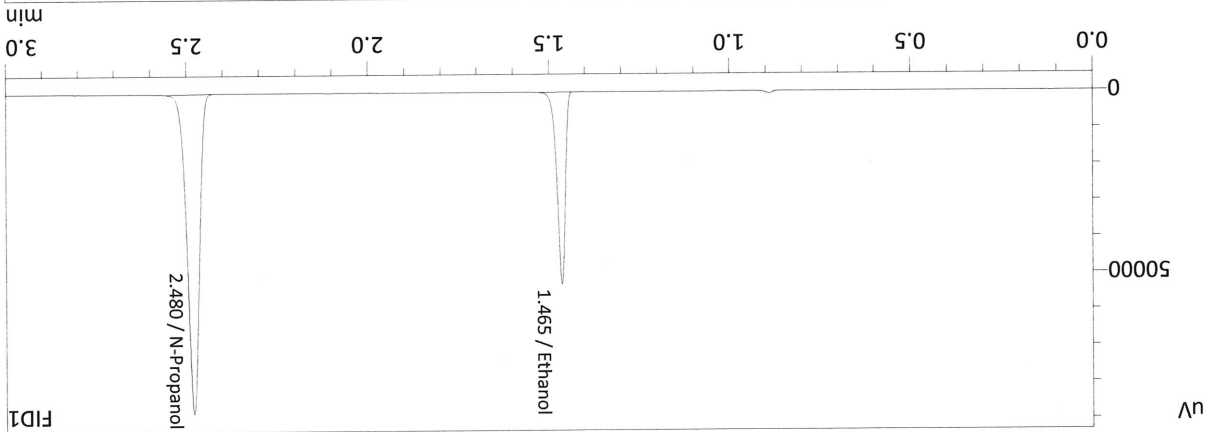
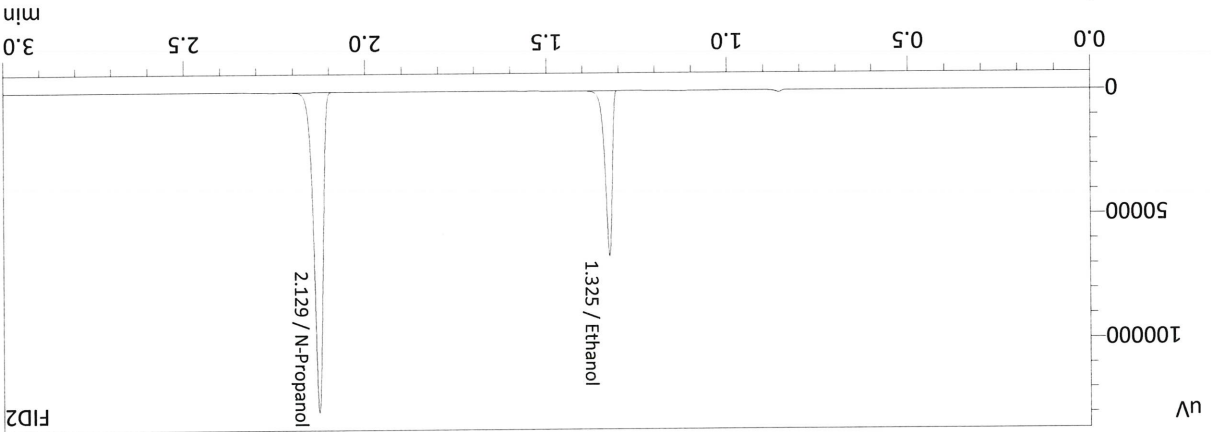
36

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	212373	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.1964	87568	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Flour: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	195034	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.1964	80717	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : 0.200  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:32:15 AM  
 Vial # : 3  
 Method Filename : C:\LabSolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

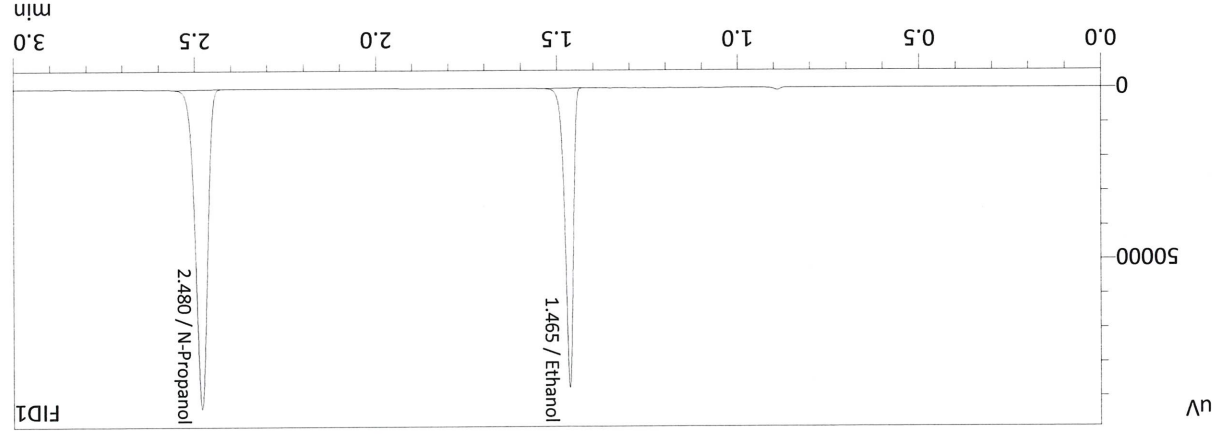
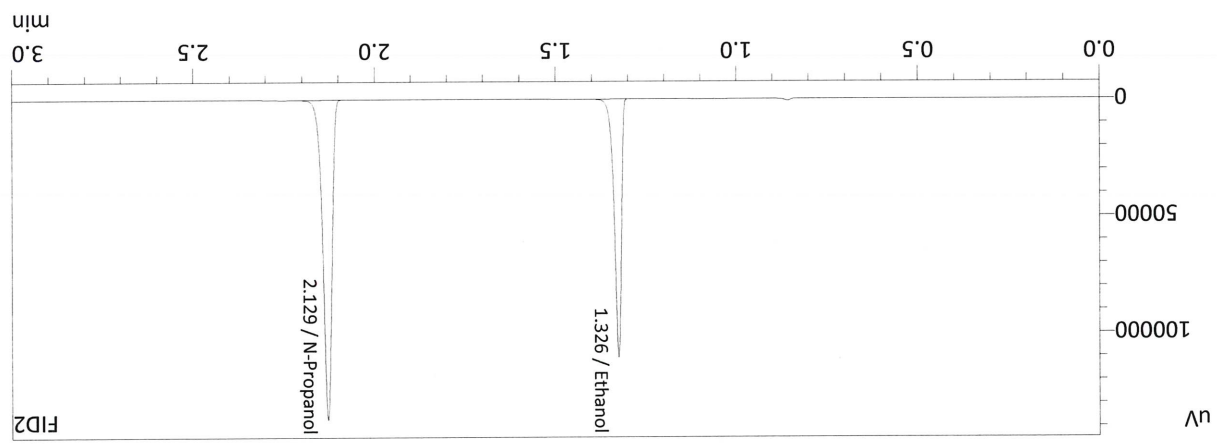
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Name	Conc.	Area	Unit
Flour. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	225035	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.3040	144665	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Flour. Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	206514	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	0.3040	133161	g/100cc
Methanol	--	--	g/100cc

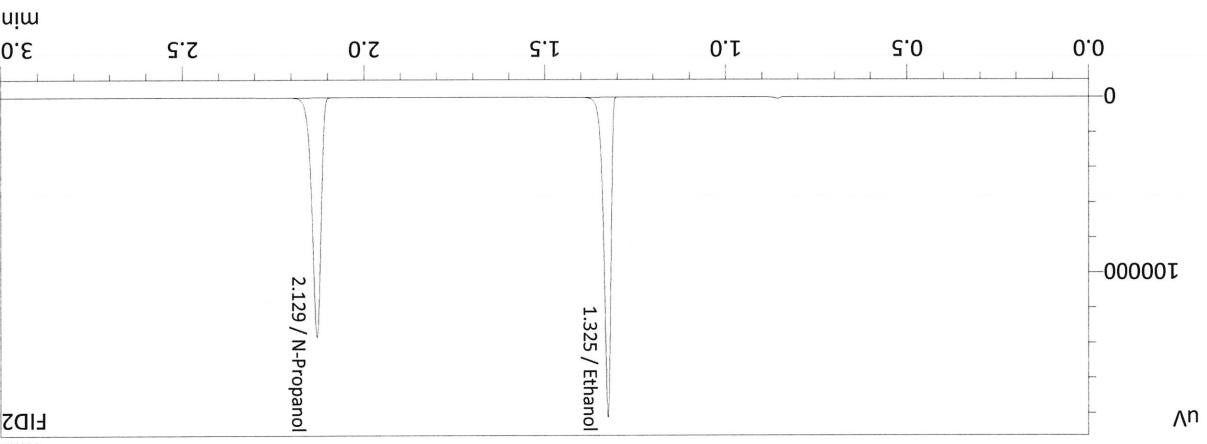
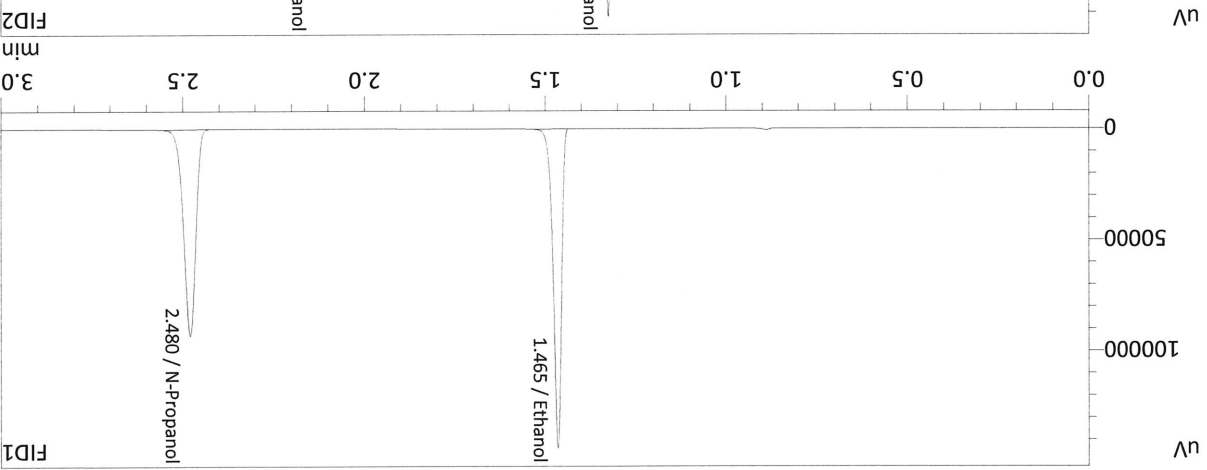
FID1



Sample Name : 0.300  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:40:58 AM  
 Vial # : 4  
 Method Filename : C:\Absolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

26

Sample Name : 0.500  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:49:44 AM  
 Vial # : 5  
 Method Filename : C:\Absolutions\Data\220929\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4991	218841	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	205760	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.4991	237587	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	223967	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

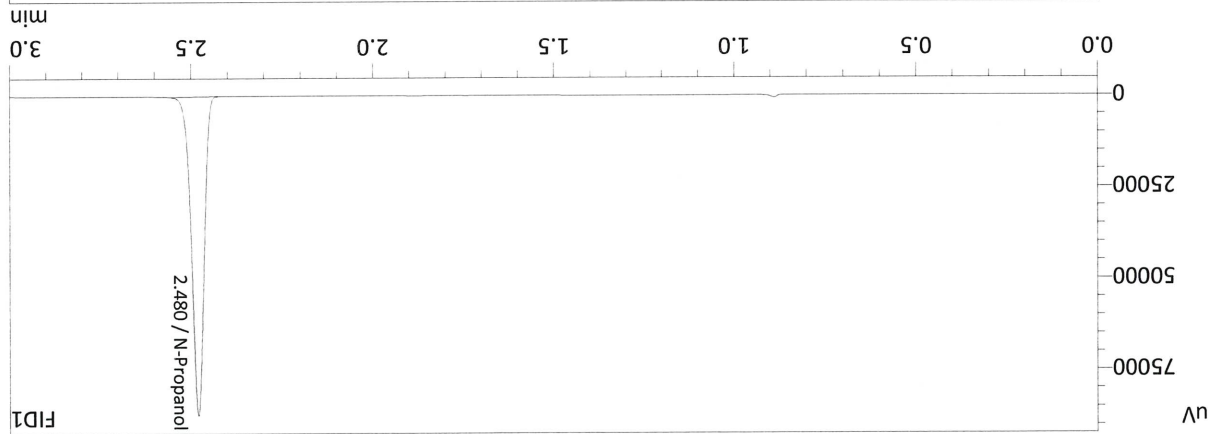
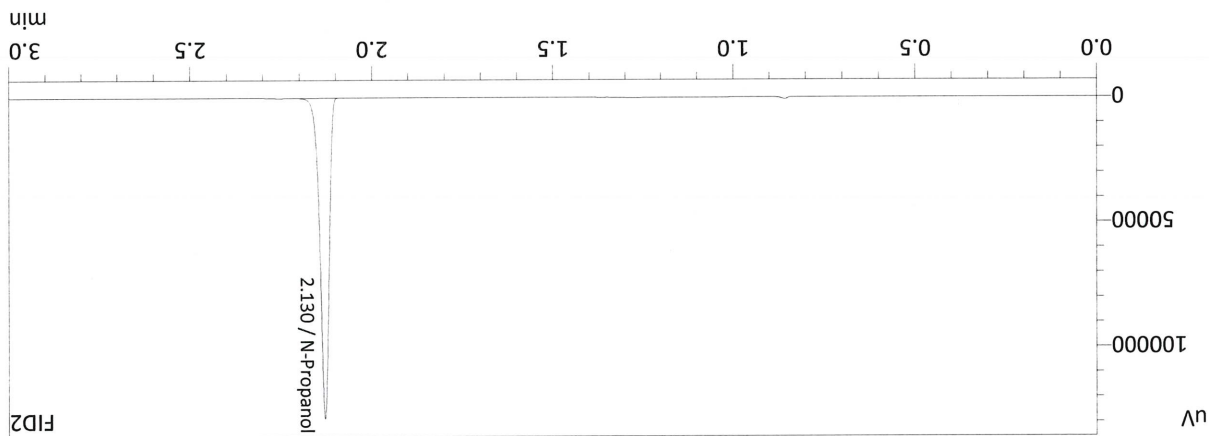
56

Name	Conc.	Area	Unit
Fluor: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	211371	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Fluor: Hydrocarbon(s)	--	--	g/100cc
N-Propanol	0.0000	193718	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Ethanol	--	--	g/100cc
Methanol	--	--	g/100cc

FID1



Sample Name : INT STD BLK  
 Laboratory : Meridian  
 Injection Date : 9/29/2022 10:56:59 AM  
 Vial # : 6  
 Method Filename : C:\labSolutions\Data\220909\CALIBRATION\ALCOHOL.GCM  
 Instrument #GC/HS : C12255750548 / C12595800409

## Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548  
 Shimadzu HS-20 Serial #C12595800409  
 Lab Solutions Software Ver. 5.99  
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Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	I:Standard:(I)	1	ALCOHOL.GCM
2	0.100	I:Standard	2	ALCOHOL.GCM
3	0.200	I:Standard	3	ALCOHOL.GCM
4	0.300	I:Standard	4	ALCOHOL.GCM
5	0.500	I:Standard	5	ALCOHOL.GCM
6	INT STD BLK	0:Unknown	0	ALCOHOL.GCM

36

16

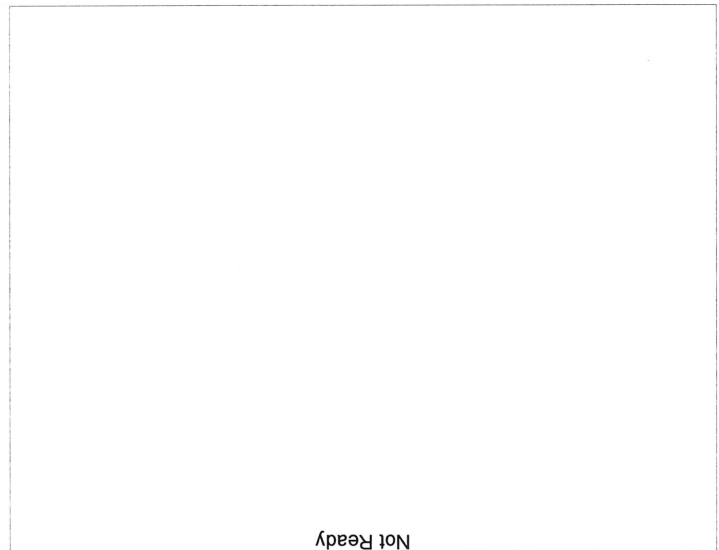
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**Calibration Table**  
 =====

Laboratory : MERIDIAN  
 Instrument Name : GC-HS  
 Instrument Serial # : C12595800409 / C12255750548  
 <<Data File>>  
 Method File  
 Batch File  
 Date Acquired : 9/29/2022 10:49:44 AM  
 Date Created : 9/29/2022 10:44:07 AM  
 Date Modified : 9/29/2022 10:52:46 AM

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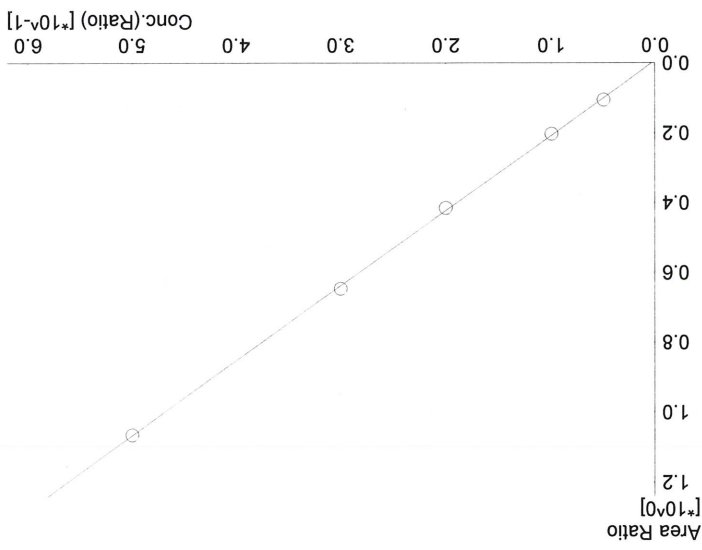
Name : Methanol  
 Detector Name : FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value = 0  
 FitType : Linear  
 ZeroThrough : Not Through

#	Conc.	Area	Std. Conc.
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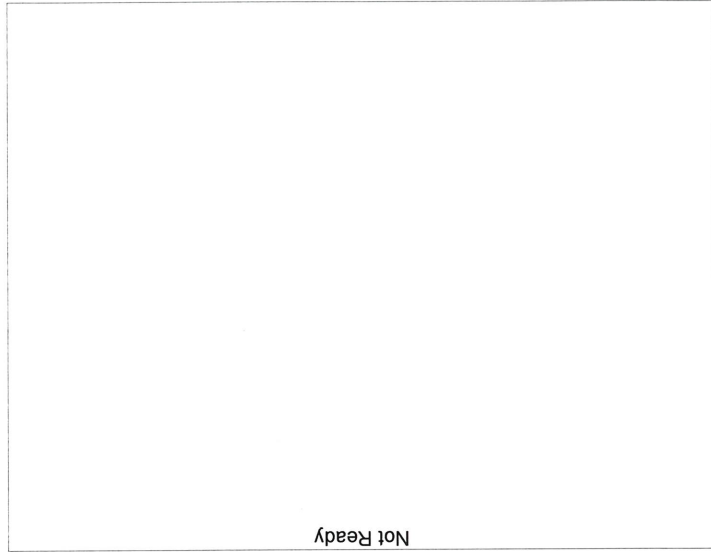


Name : Ethanol  
 Detector Name : FID1  
 Function :  $f(x)=2.14580*x-0.00759620$   
 R<sup>2</sup> value = 0.9996814  
 FitType : Linear  
 ZeroThrough : Not Through

#	Conc.	Area	Std. Conc.
1	0.050	21240	0.0525
2	0.100	39514	0.0978
3	0.200	80717	0.1964
4	0.300	133161	0.3040
5	0.500	218841	0.4991

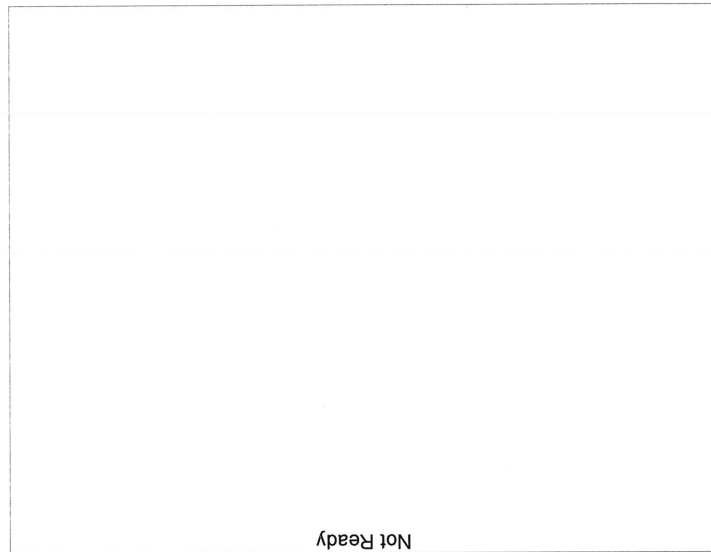


36



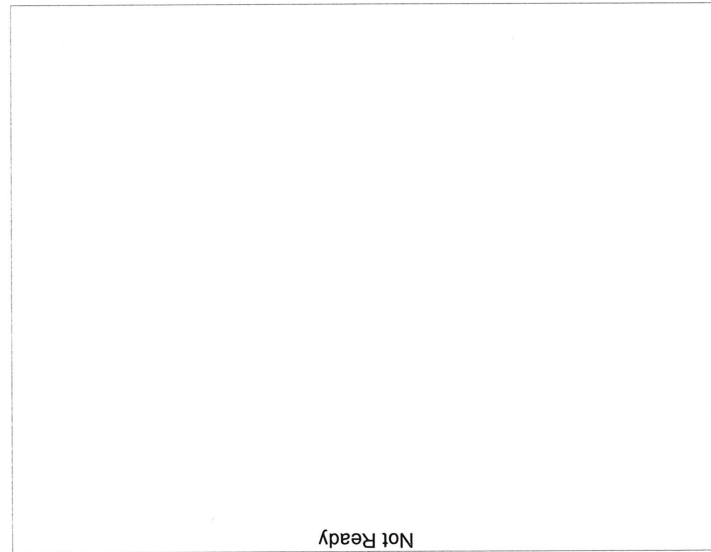
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through



#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Acetone  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

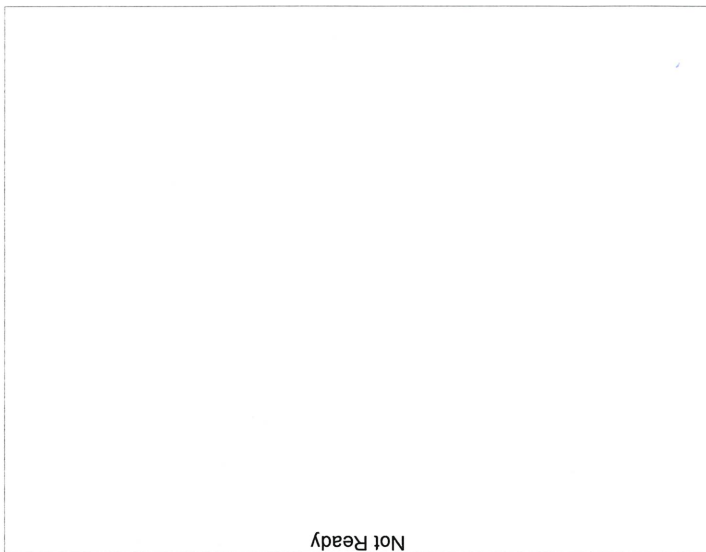


#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Isopropyl Alcohol  
 Detector Name: FID1  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through



16



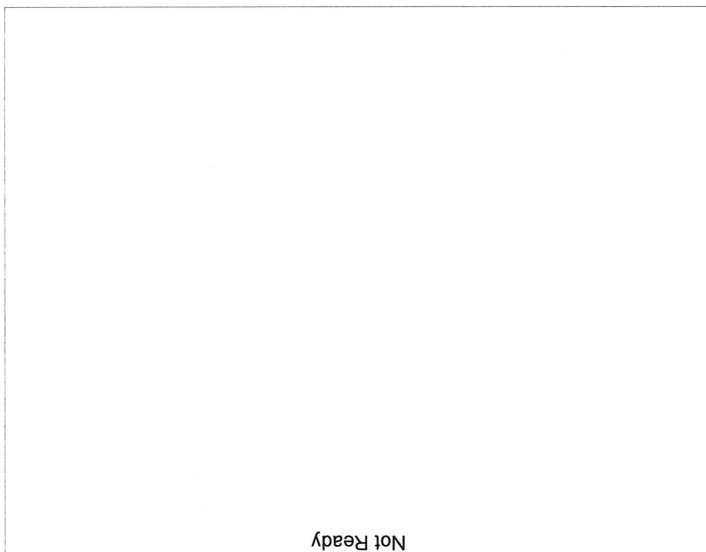
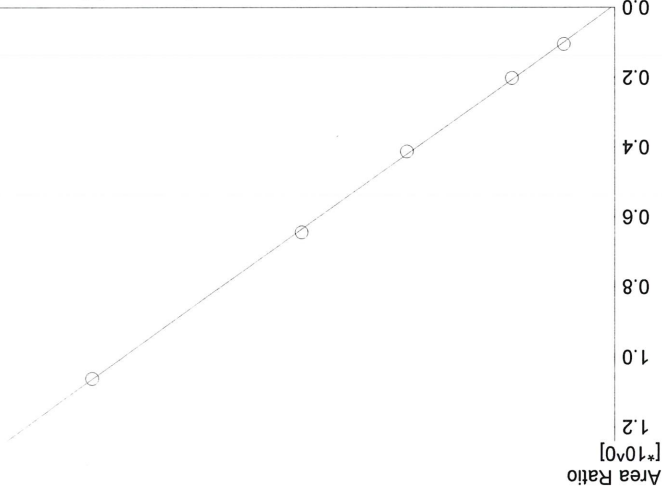
#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Acetone  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

Conc.(Ratio) [\*10<sup>-1</sup>]  
 0.0 1.0 2.0 3.0 4.0 5.0 6.0

#	Conc.	Area	Std. Conc.
1	0.050	22965	0.0525
2	0.100	42749	0.0977
3	0.200	87568	0.1964
4	0.300	144665	0.3040
5	0.500	237587	0.4991

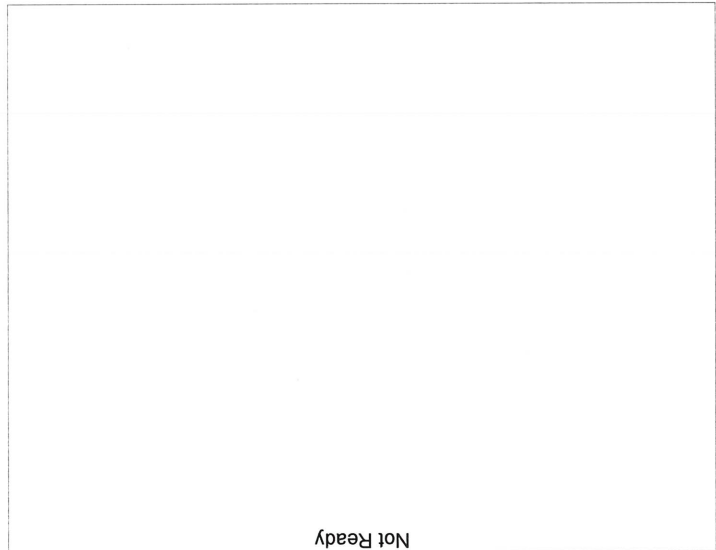
Name : Ethanol  
 Detector Name: FID2  
 Function :  $f(x)=2.14201*x-0.00844489$   
 R<sup>2</sup> value= 0.9996746  
 FitType: Linear  
 ZeroThrough: Not Through



#	Conc.	Area	Std. Conc.
---	-------	------	------------

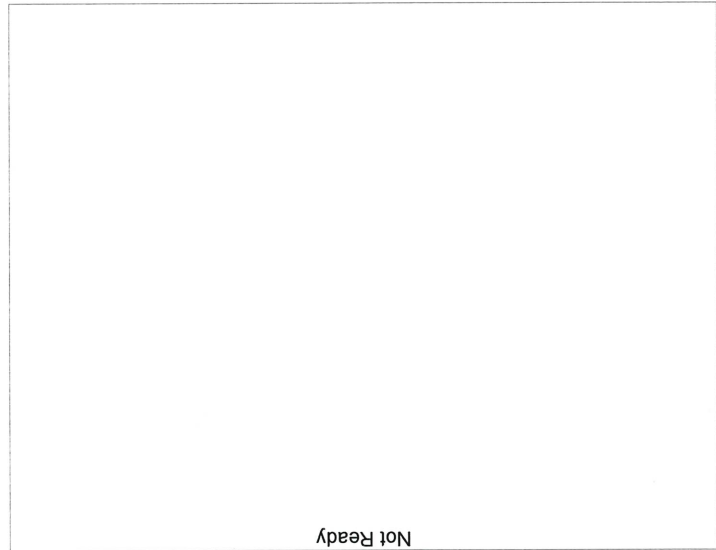
Name : Methanol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through

16



#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Flour, Hydrocarbon(s)  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through



#	Conc.	Area	Std. Conc.
---	-------	------	------------

Name : Isopropyl Alcohol  
 Detector Name: FID2  
 Function :  $f(x)=0*x+0$   
 R<sup>2</sup> value= 0  
 FitType: Linear  
 ZeroThrough: Not Through