




















Worklist: 6259

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-0598	1	BCK	BATS Proficiency Test	
M2023-0598	2	BCK	BATS Proficiency Test	
M2023-0598	3	BCK	BATS Proficiency Test	
M2023-0598	4	BCK	BATS Proficiency Test	
M2023-0790	1	BCK	Alcohol Analysis	
M2023-0791	1	BCK	Alcohol Analysis	
M2023-0796	1	BCK	Alcohol Analysis	
M2023-0816	1	BCK	Alcohol Analysis	
M2023-0819	1	BCK	Alcohol Analysis	
M2023-0840	1	BCK	Alcohol Analysis	
M2023-0841	1	BCK	Alcohol Analysis	
M2023-0842	1	BCK	Alcohol Analysis	
M2023-0843	1	BCK	Alcohol Analysis	
M2023-0849	1	BCK	Alcohol Analysis	
M2023-0850	1	BCK	Alcohol Analysis	
M2023-0851	1	BCK	Alcohol Analysis	
M2023-0865	1	BCK	Alcohol Analysis	
M2023-0866	1	BCK	Alcohol Analysis	
M2023-0867	1	BCK	Alcohol Analysis	



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): **02/27/2023**

Calibration Date: *(if different)*

Worklist #: **6259**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Feb-25 2/28/2025.0 3/10/23 gg	2101199	0.0808	0.0727-0.0889	0.0800 g/100cc	
	0.0815 g/100cc					
	g/100cc					
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2051 g/100cc	
					g/100cc	
					g/100cc	
Multi-Component mixture:		Exp:	10/31/2024	Lot #	FN06041902	
Curve Fit:			Column 1	0.99959	Column2	0.99964

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0537	0.0532	0.0005	0.0534
100	0.100	0.090 - 0.110	0.1004	0.1008	0.0004	0.1006
200	0.200	0.180 - 0.220	0.1958	0.1962	0.0004	0.196
300	0.300	0.270 - 0.330	0.2967	0.2965	0.0002	0.2966
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5031	0.5030	1E-04	0.503

Aqueous Controls

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

REVIEWED

By Rachel Cutler at 12:22 pm, Mar 02, 2023

REVIEWED

By Rachel Cutler at 2:31 pm, Mar 10, 2023

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist #: 6259 Run Date(s): 02/27/2023

Internal Standard Solution: Prep Date: 2/24/2023 Exp Date: 8/24/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	178250	193462
0.080	183059	198837
QC1	179445	194648
QC1	187274	203313
QC1	212751	231102
QC1	218384	237442
QC1		
QC1		
QC2	197389	214261
QC2	200851	218066
QC2		
QC2		
QC2		
QC2		

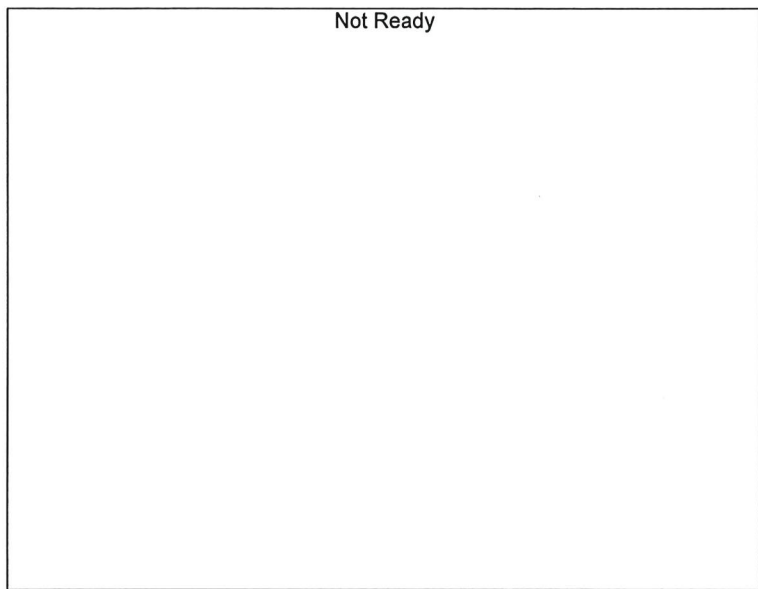
Average	(-)20%	(+)20%
Column 1 194675.4	155740.3	233610.5
Column 2 211391.4	169113.1	253669.7



Calibration Table

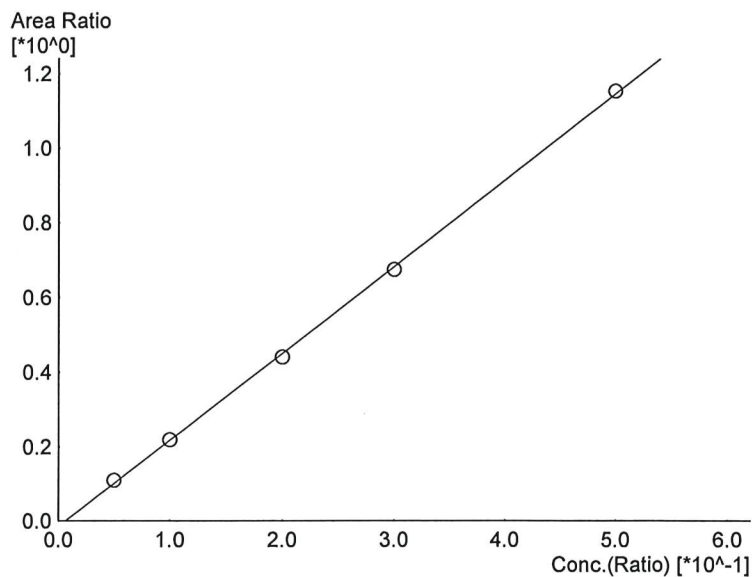
Laboratory : MERIDIAN
 Instrument Name : GC-BAC
 Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
 Method File :Default Project - ALCOHOL_230227.gcm
 Batch File :Default Project - CALCURVE_TEMPLATE_230227.gcb
 Date Acquired :2/27/2023 11:22:25 AM
 Date Created :2/27/2023 11:16:46 AM
 Date Modified :2/27/2023 11:25:27 AM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

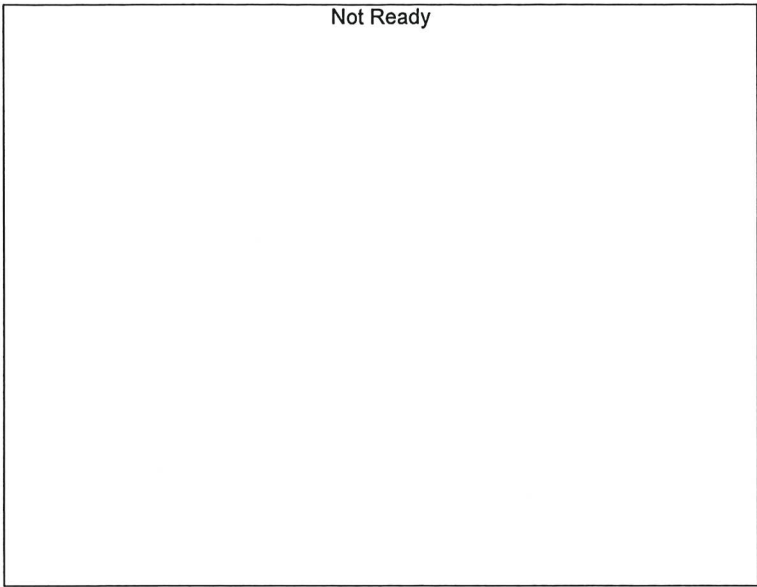
#	Conc.	Area	Std. Conc.
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Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.32327*x-0.0151434$
 R² value= 0.9995914
 FitType: Linear
 ZeroThrough: Not Through

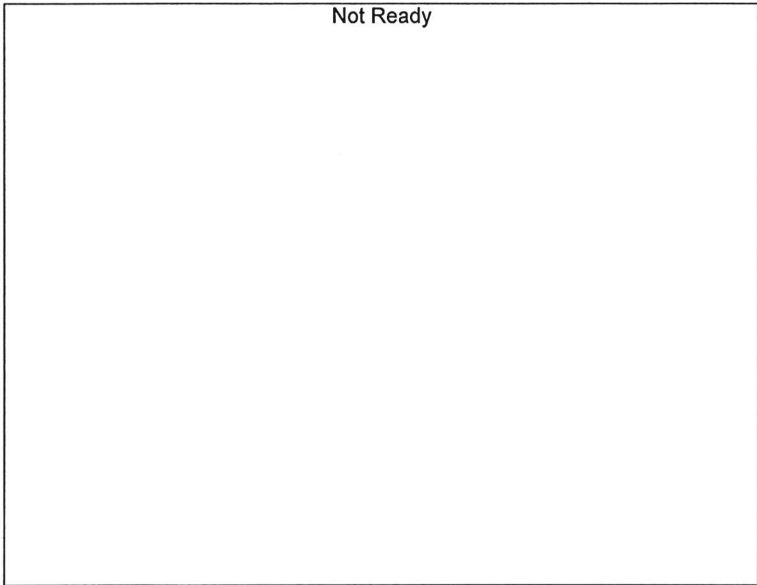
#	Conc.	Area	Std. Conc.
1	0.050	20773	0.0537
2	0.100	40339	0.1004
3	0.200	80674	0.1958
4	0.300	122311	0.2967
5	0.500	234334	0.5031

W



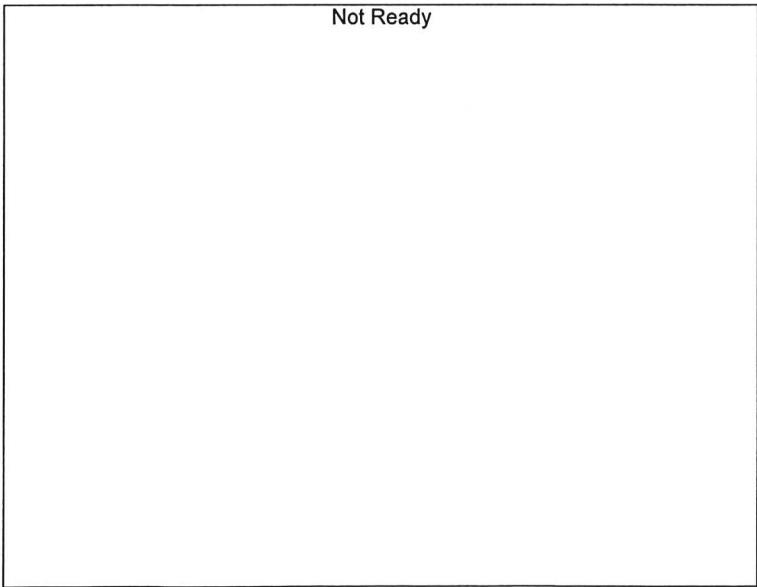
Name : Isopropyl Alcohol
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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Name : Acetone
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

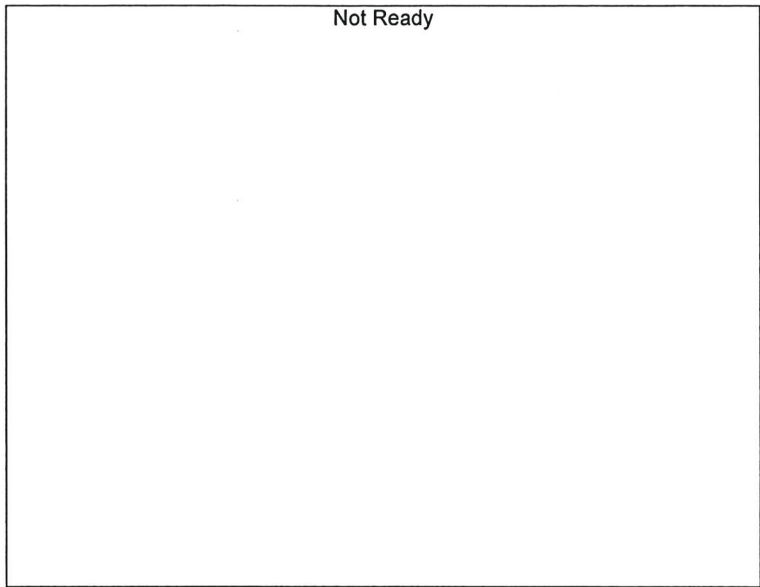
#	Conc.	Area	Std. Conc.
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Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : $f(x)=0*x+0$
R² value= 0
FitType: Linear
ZeroThrough: Not Through

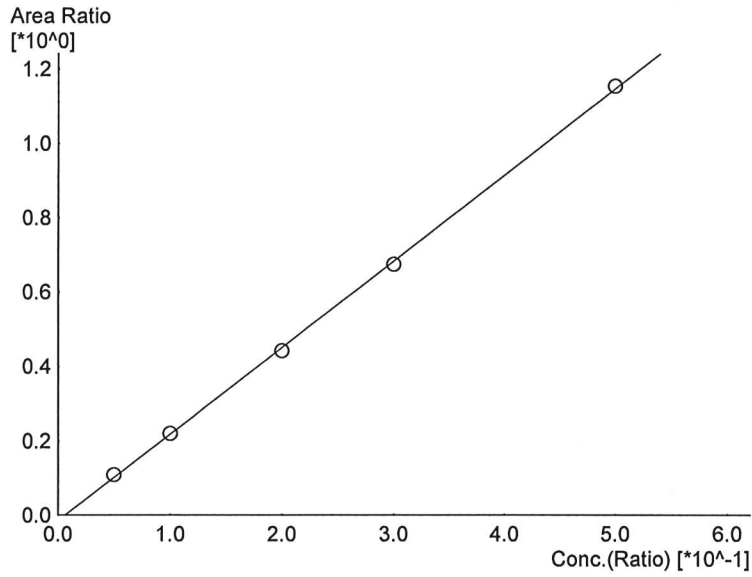
#	Conc.	Area	Std. Conc.
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W



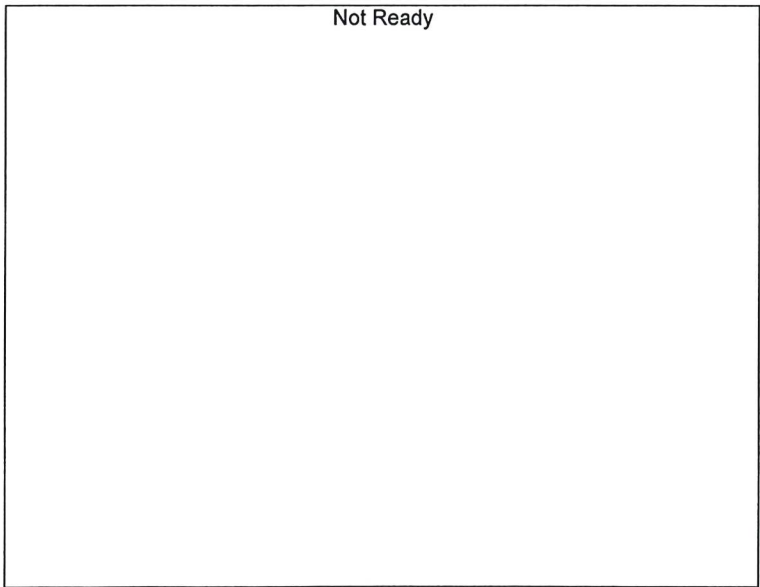
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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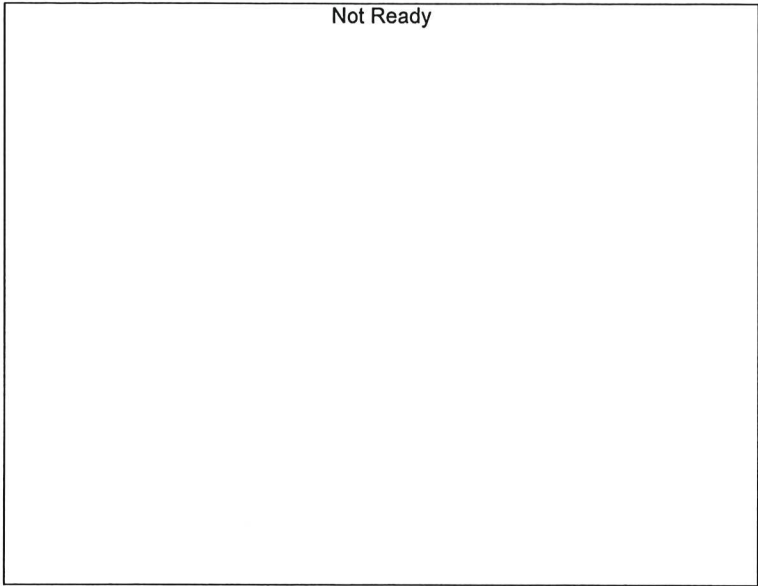
Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.32243*x-0.0149318$
 R² value= 0.9996365
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
1	0.050	22317	0.0532
2	0.100	43917	0.1008
3	0.200	87627	0.1962
4	0.300	132496	0.2965
5	0.500	253759	0.5030



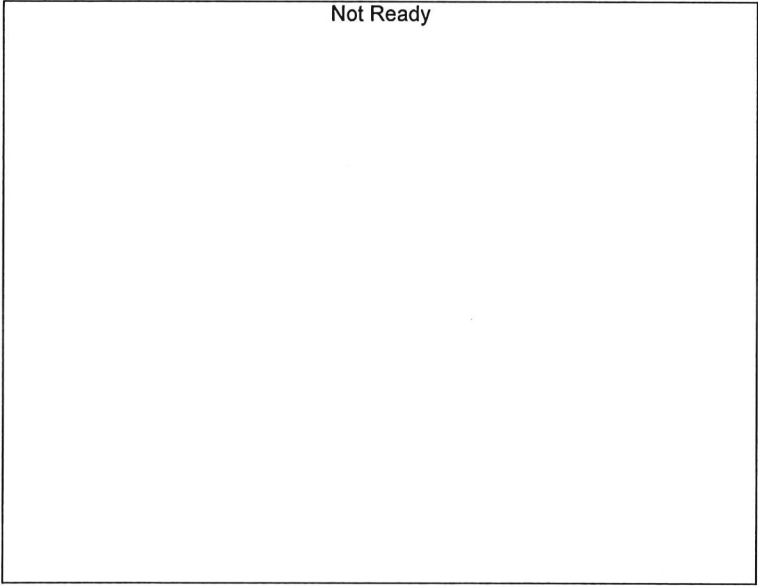
Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.
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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.
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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.
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W

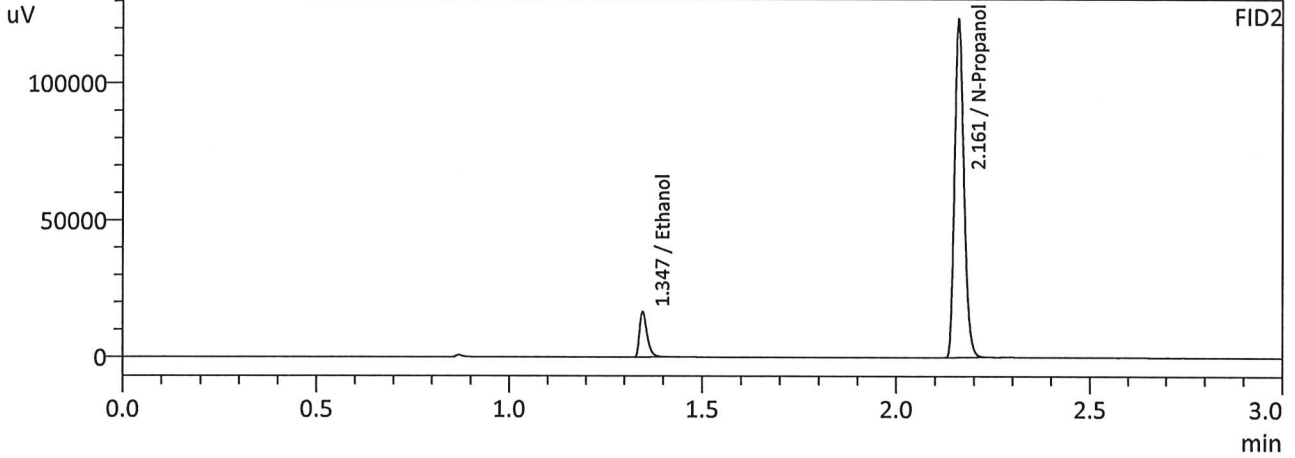
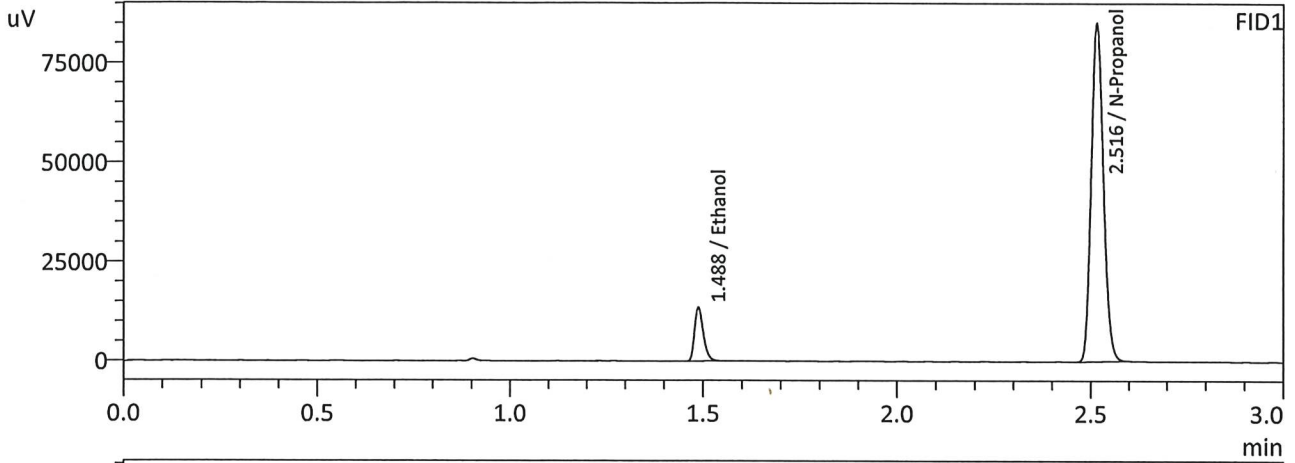
Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Software Ver. 5.99
Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	0.050	1:Standard:(I)	1	ALCOHOL 230227.gcm
2	0.100	1:Standard	2	ALCOHOL 230227.gcm
3	0.200	1:Standard	3	ALCOHOL 230227.gcm
4	0.300	1:Standard	4	ALCOHOL 230227.gcm
5	0.500	1:Standard	5	ALCOHOL 230227.gcm
6	INT STD BLK	0:Unknown	0	ALCOHOL 230227.gcm



Sample Name : 0.050
 Laboratory : Meridian
 Injection Date : 2/27/2023 10:50:11 AM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

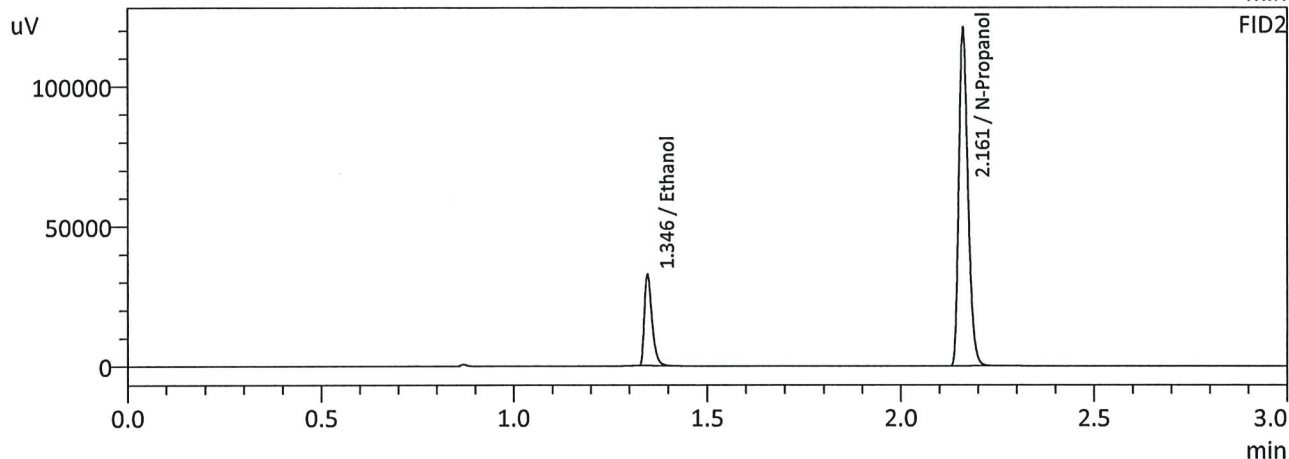
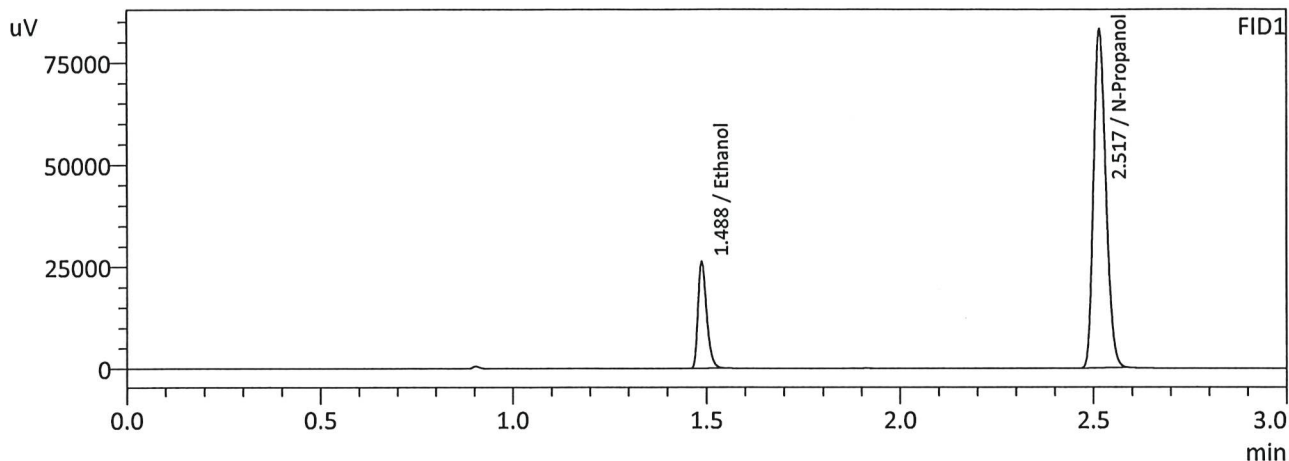
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0537	20773	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189168	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0532	22317	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	205087	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.100
 Laboratory : Meridian
 Injection Date : 2/27/2023 10:57:31 AM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

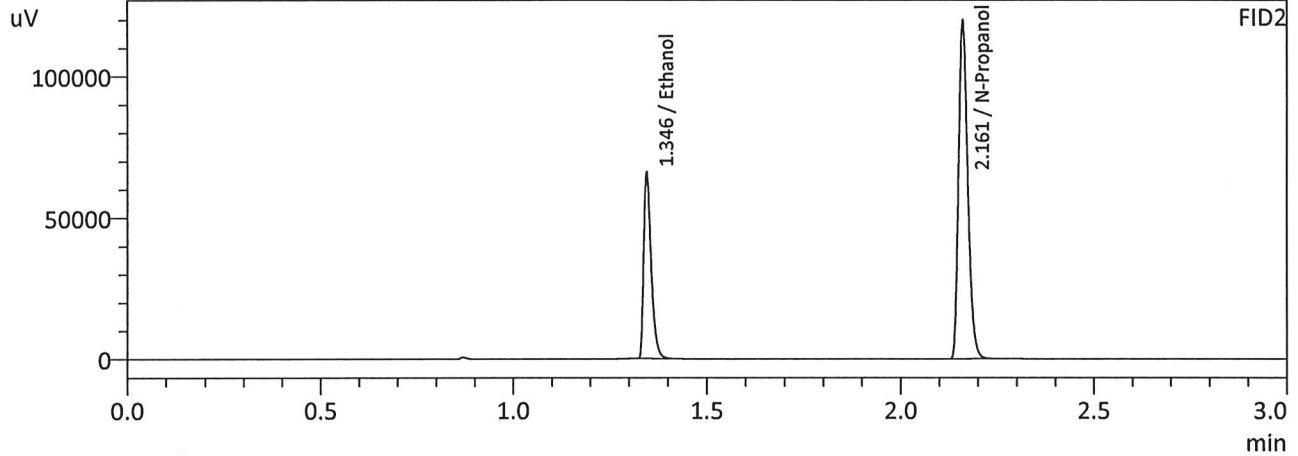
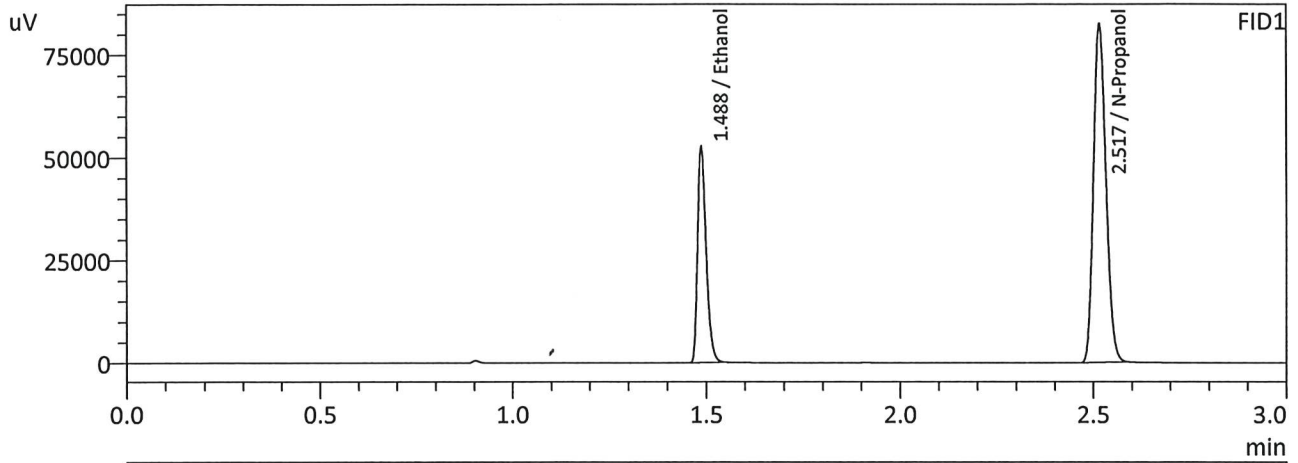
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1004	40339	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	184764	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1008	43917	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	200347	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.200
 Laboratory : Meridian
 Injection Date : 2/27/2023 11:04:51 AM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

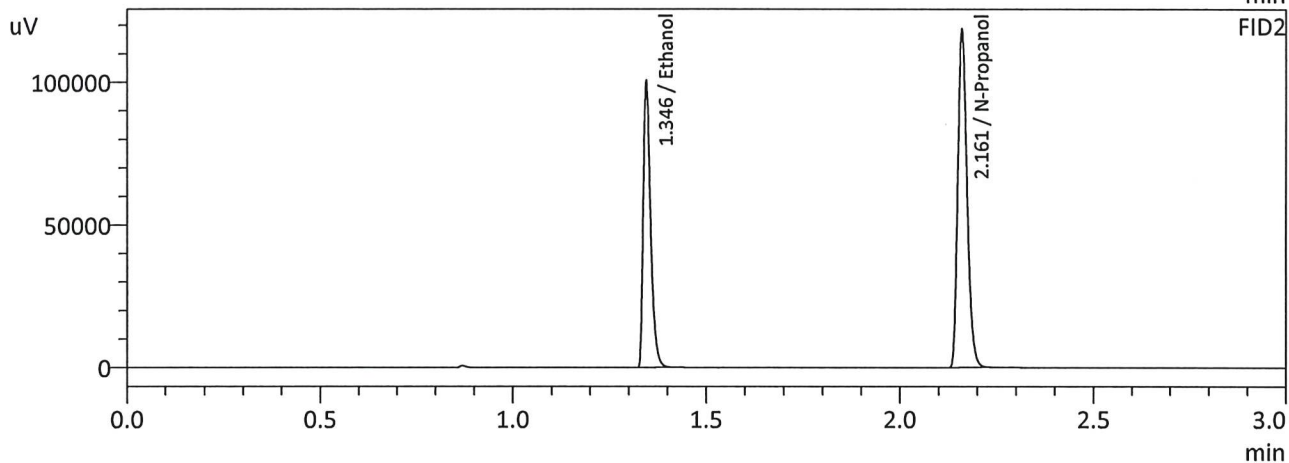
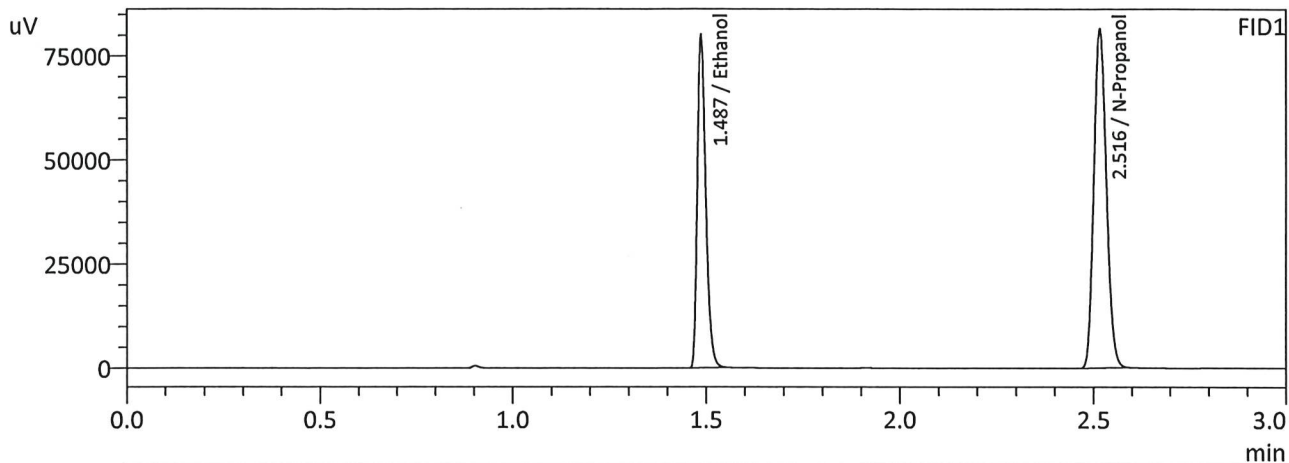
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1958	80674	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183423	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1962	87627	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198737	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.300
 Laboratory : Meridian
 Injection Date : 2/27/2023 11:13:42 AM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

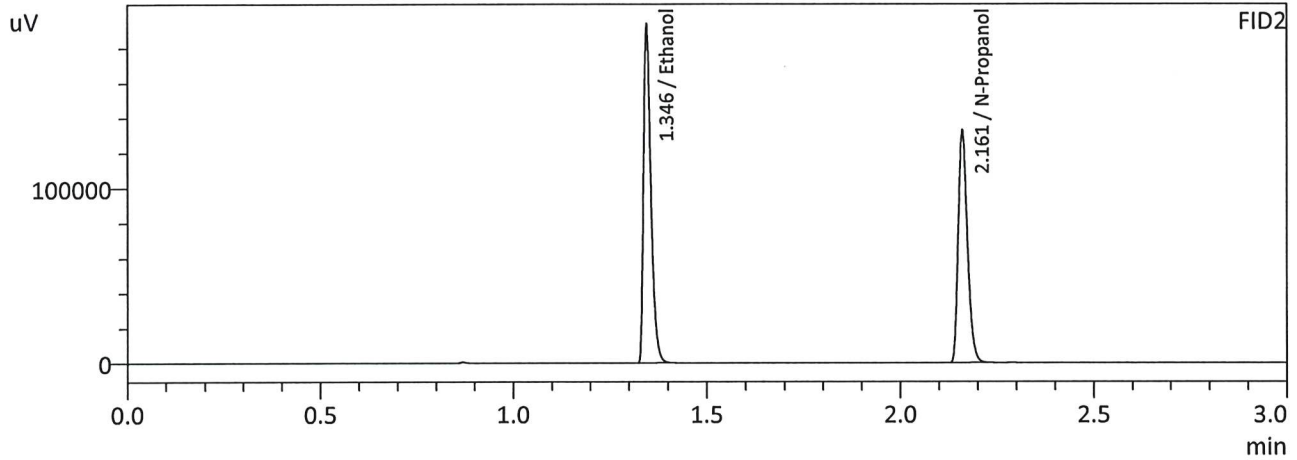
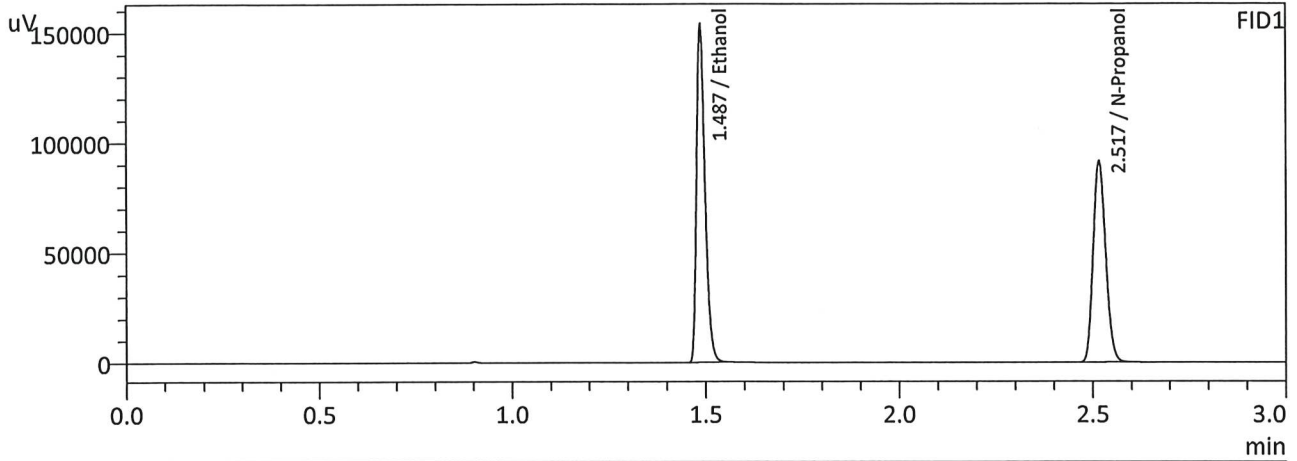
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2967	122311	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	181389	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2965	132496	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	196642	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.500
 Laboratory : Meridian
 Injection Date : 2/27/2023 11:22:25 AM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

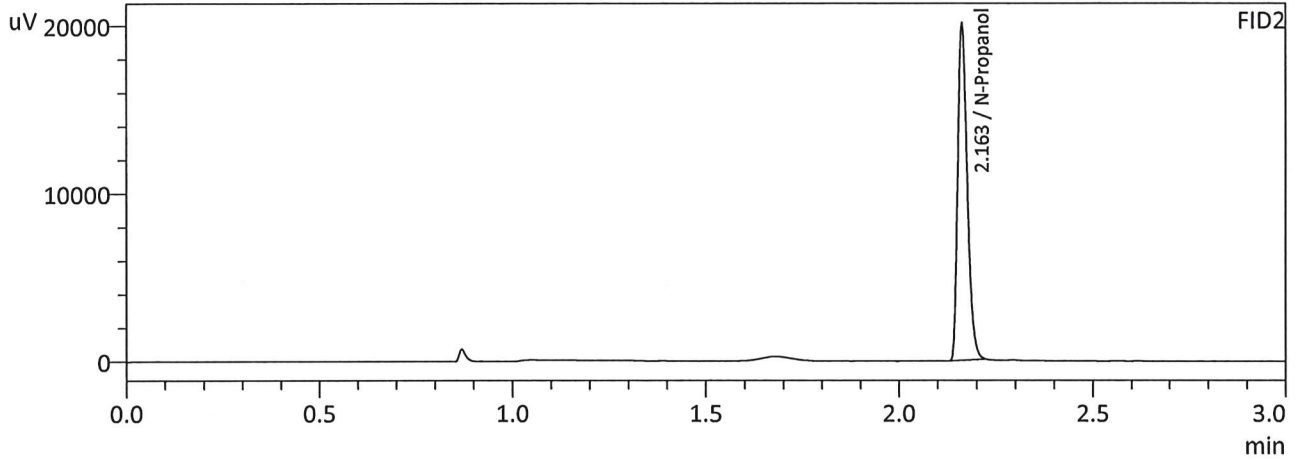
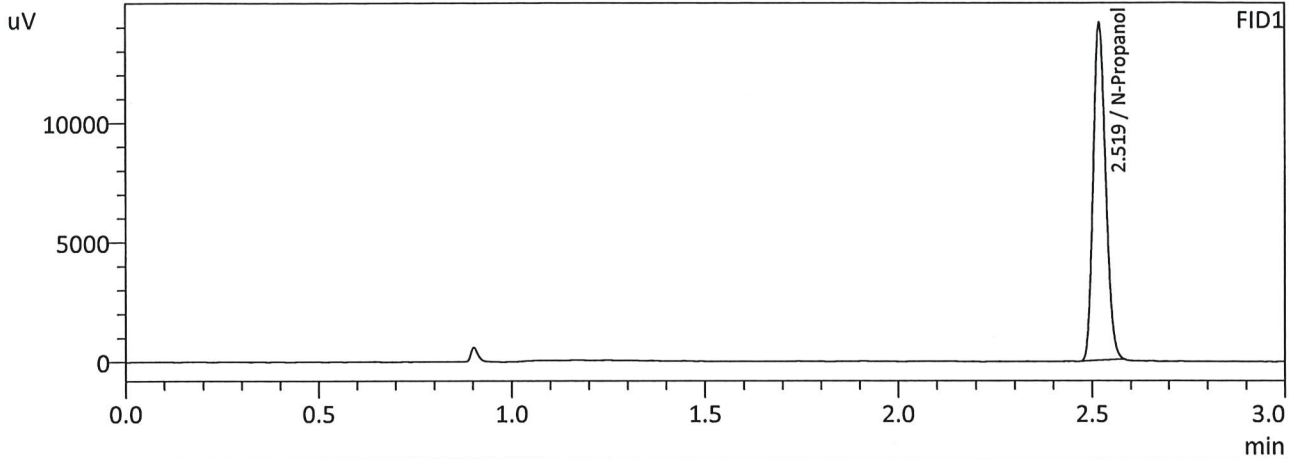
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5031	234334	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	203101	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5030	253759	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	220011	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : INT STD BLK
 Laboratory : Meridian
 Injection Date : 2/27/2023 11:29:24 AM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230227.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	31670	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	33903	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

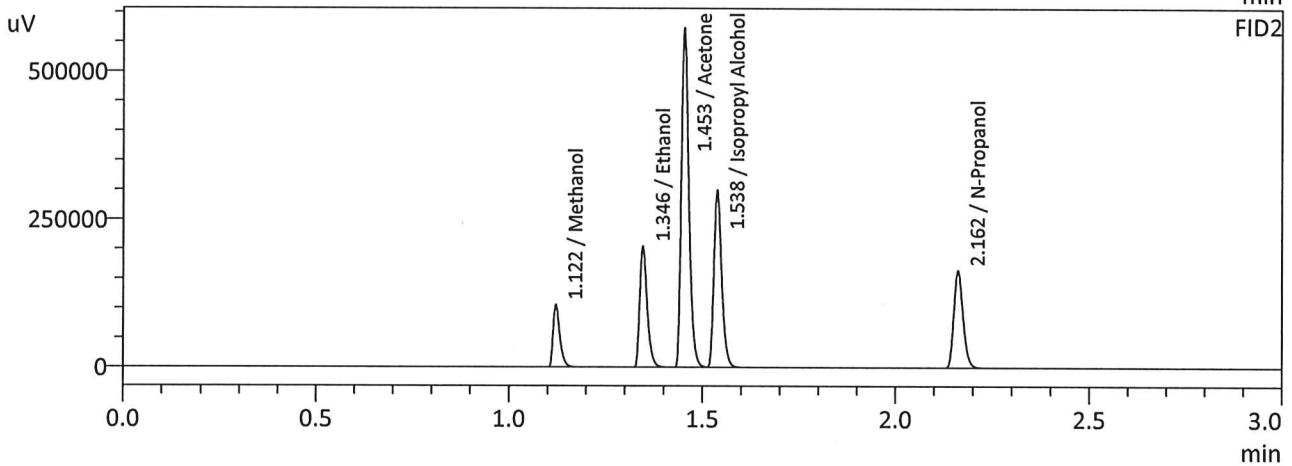
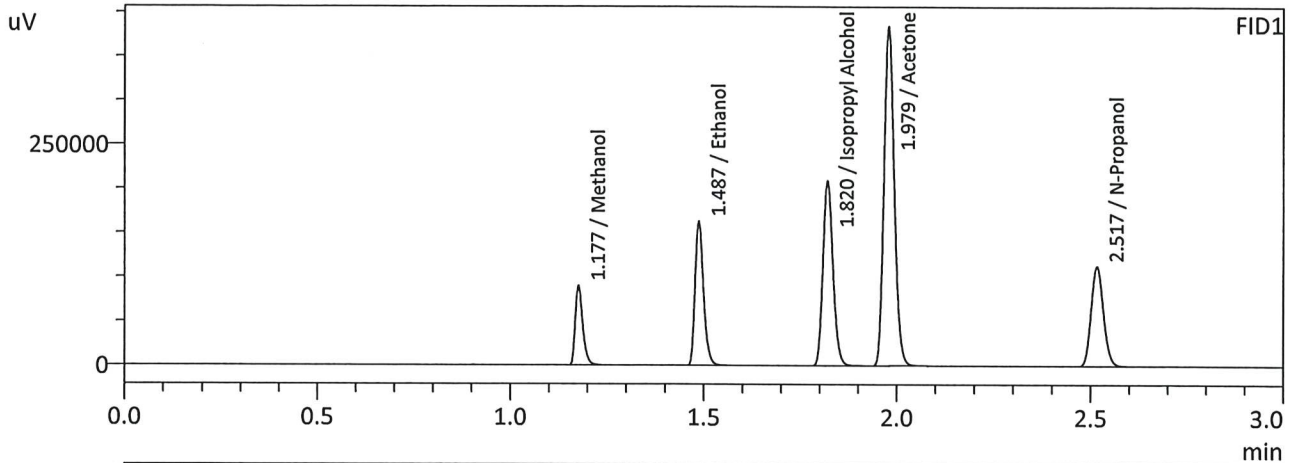
✓

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
 Shimadzu HS-20 Serial #C12595800409
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 230227.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 230227.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 230227.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 230227.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 230227.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 230227.gcm
7	M2023-0598-1	0:Unknown	0	ALCOHOL 230227.gcm
8	M2023-0598-1-B	0:Unknown	0	ALCOHOL 230227.gcm
9	M2023-0598-2	0:Unknown	0	ALCOHOL 230227.gcm
10	M2023-0598-2-B	0:Unknown	0	ALCOHOL 230227.gcm
11	M2023-0598-3	0:Unknown	0	ALCOHOL 230227.gcm
12	M2023-0598-3-B	0:Unknown	0	ALCOHOL 230227.gcm
13	M2023-0598-4	0:Unknown	0	ALCOHOL 230227.gcm
14	M2023-0598-4-B	0:Unknown	0	ALCOHOL 230227.gcm
15	M2023-0790-1	0:Unknown	0	ALCOHOL 230227.gcm
16	M2023-0790-1-B	0:Unknown	0	ALCOHOL 230227.gcm
17	M2023-0791-1	0:Unknown	0	ALCOHOL 230227.gcm
18	M2023-0791-1-B	0:Unknown	0	ALCOHOL 230227.gcm
19	M2023-0796-1	0:Unknown	0	ALCOHOL 230227.gcm
20	M2023-0796-1-B	0:Unknown	0	ALCOHOL 230227.gcm
21	M2023-0816-1	0:Unknown	0	ALCOHOL 230227.gcm
22	M2023-0816-1-B	0:Unknown	0	ALCOHOL 230227.gcm
23	M2023-0819-1	0:Unknown	0	ALCOHOL 230227.gcm
24	M2023-0819-1-B	0:Unknown	0	ALCOHOL 230227.gcm
25	QC-2-1	0:Unknown	0	ALCOHOL 230227.gcm
26	QC-2-1-B	0:Unknown	0	ALCOHOL 230227.gcm
27	M2023-0840-1	0:Unknown	0	ALCOHOL 230227.gcm
28	M2023-0840-1-B	0:Unknown	0	ALCOHOL 230227.gcm
29	M2023-0841-1	0:Unknown	0	ALCOHOL 230227.gcm
30	M2023-0841-1-B	0:Unknown	0	ALCOHOL 230227.gcm
31	M2023-0842-1	0:Unknown	0	ALCOHOL 230227.gcm
32	M2023-0842-1-B	0:Unknown	0	ALCOHOL 230227.gcm
33	M2023-0843-1	0:Unknown	0	ALCOHOL 230227.gcm
34	M2023-0843-1-B	0:Unknown	0	ALCOHOL 230227.gcm
35	M2023-0849-1	0:Unknown	0	ALCOHOL 230227.gcm
36	M2023-0849-1-B	0:Unknown	0	ALCOHOL 230227.gcm
37	M2023-0850-1	0:Unknown	0	ALCOHOL 230227.gcm
38	M2023-0850-1-B	0:Unknown	0	ALCOHOL 230227.gcm
39	M2023-0851-1	0:Unknown	0	ALCOHOL 230227.gcm
40	M2023-0851-1-B	0:Unknown	0	ALCOHOL 230227.gcm
41	M2023-0865-1	0:Unknown	0	ALCOHOL 230227.gcm
42	M2023-0865-1-B	0:Unknown	0	ALCOHOL 230227.gcm
43	M2023-0866-1	0:Unknown	0	ALCOHOL 230227.gcm
44	M2023-0866-1-B	0:Unknown	0	ALCOHOL 230227.gcm
45	M2023-0867-1	0:Unknown	0	ALCOHOL 230227.gcm
46	M2023-0867-1-B	0:Unknown	0	ALCOHOL 230227.gcm
47	QC-1-2	0:Unknown	0	ALCOHOL 230227.gcm
48	QC-1-2-B	0:Unknown	0	ALCOHOL 230227.gcm
49	ISTD BLK 2	0:Unknown	0	ALCOHOL 230227.gcm

Sample Name : MIXED VOLATILES FN 06041902
 Laboratory : Meridian
 Injection Date : 2/27/2023 12:44:24 PM
 Vial # : 2
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	0.0000	120417	g/100cc
Ethanol	0.4336	248009	g/100cc
Isopropyl Alcohol	0.0000	383956	g/100cc
Acetone	0.0000	710901	g/100cc
N-Propanol	0.0000	249914	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	130727	g/100cc
Ethanol	0.4341	268802	g/100cc
Acetone	0.0000	771038	g/100cc
Isopropyl Alcohol	0.0000	415980	g/100cc
N-Propanol	0.0000	270577	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA

Analysis Date(s): 2/27/2023 1:08:18 PM(-07:00)

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0791	0.0785	0.0006	0.0788	0.0017	0.0796
(g/100cc)	0.0809	0.0801	0.0008	0.0805		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230227.gcm

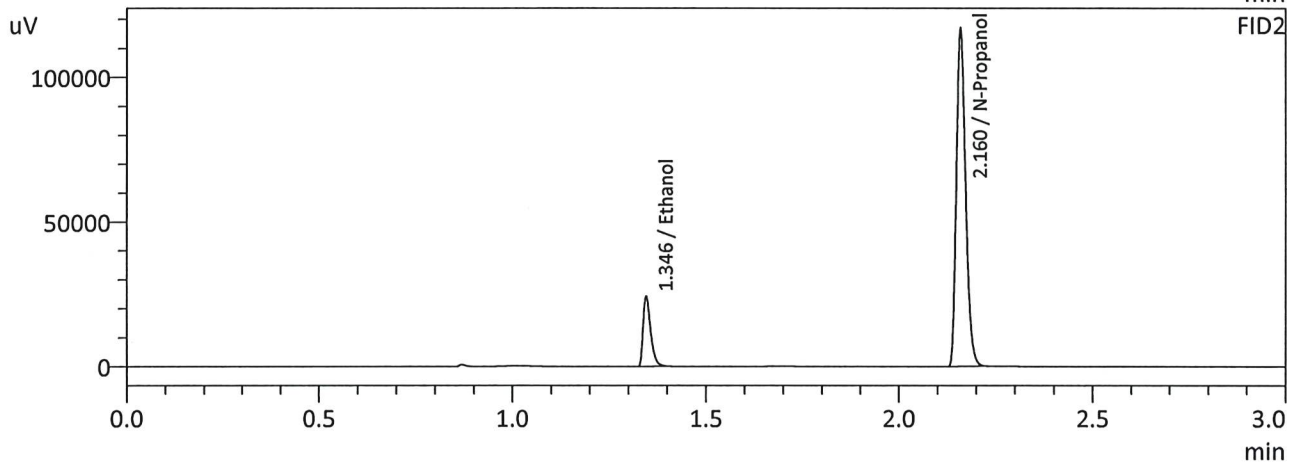
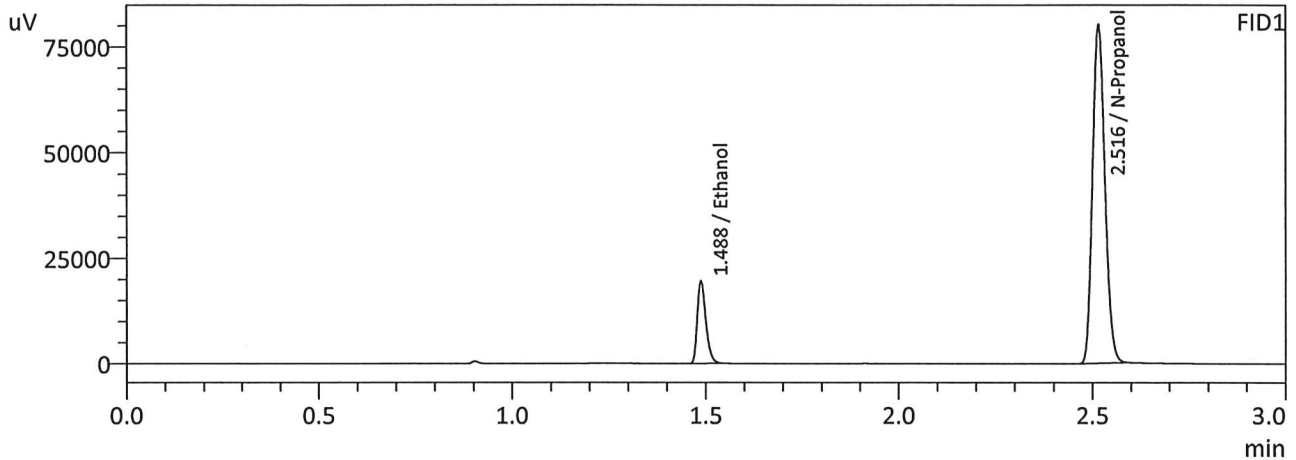
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.079	0.075	0.083	0.004

Reported Results	
0.079	

Calibration and control data are stored centrally.

W

Sample Name : 0.08 QA
 Laboratory : Meridian
 Injection Date : 2/27/2023 1:08:18 PM
 Vial # : 5
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

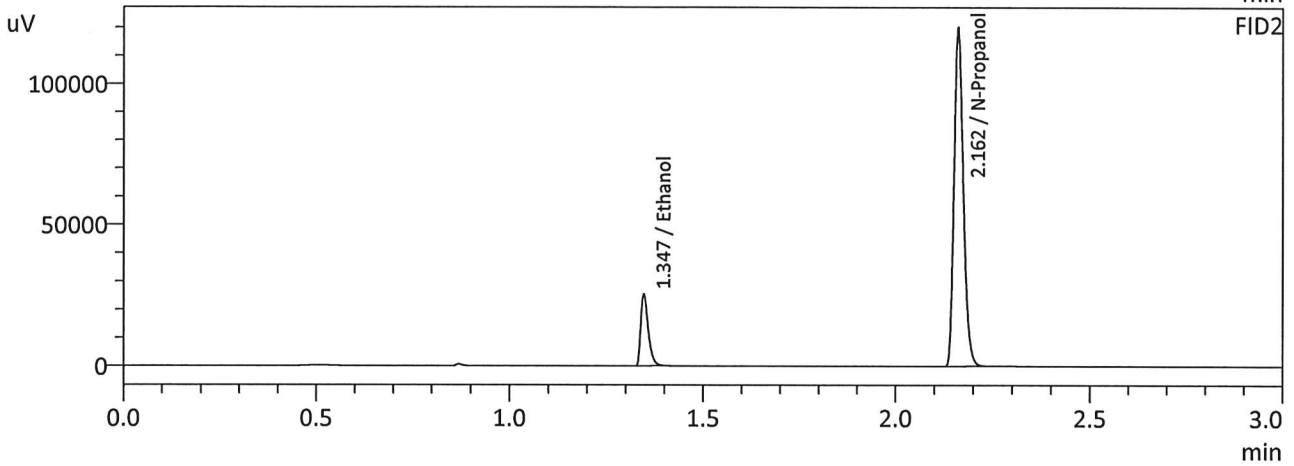
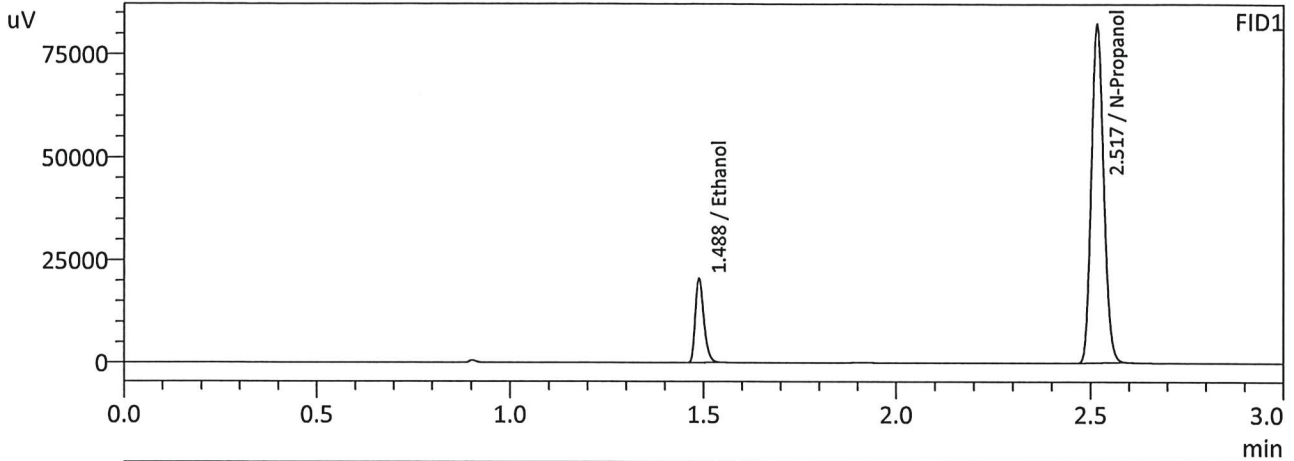
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0791	30069	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	178250	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0785	32409	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	193462	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : 0.08 QA-B
 Laboratory : Meridian
 Injection Date : 2/27/2023 1:16:27 PM
 Vial # : 6
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0809	31645	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	183059	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0801	34035	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	198837	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1			Analysis Date(s): 2/27/2023 12:51:51 PM(-07:00)			
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0789	0.0783	0.0006	0.0786	0.0028	0.0800
(g/100cc)	0.0818	0.0811	0.0007	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230227.gcm

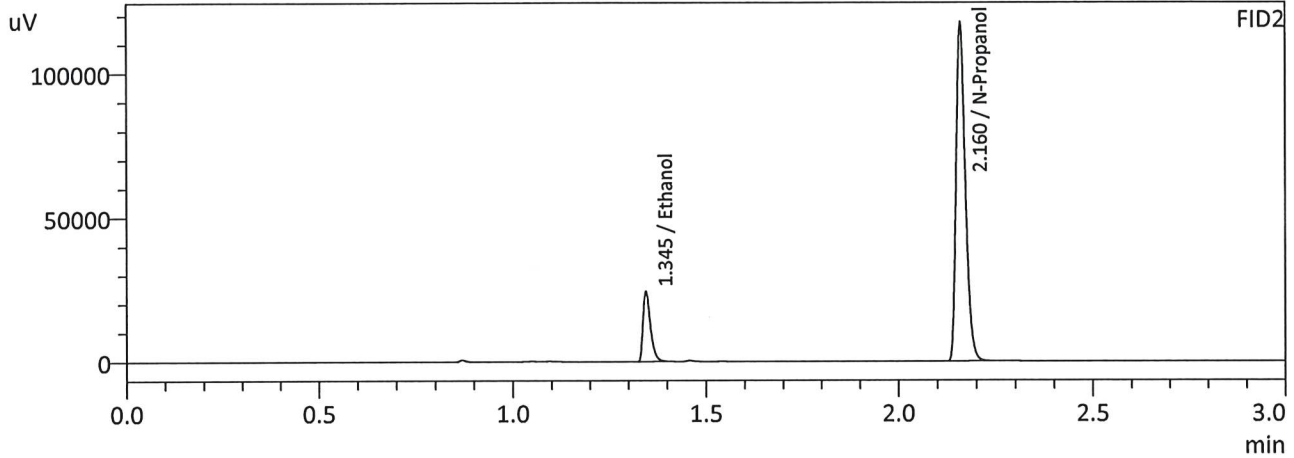
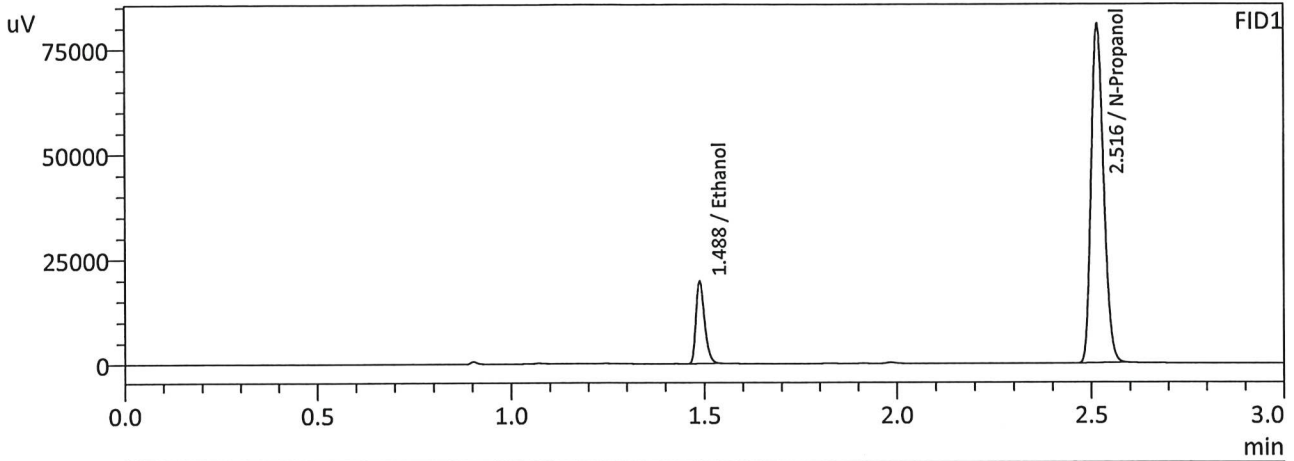
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.080	0.076	0.084	0.004

Reported Results	
0.080	

Calibration and control data are stored centrally.

W

Sample Name : QC-1-1
 Laboratory : Meridian
 Injection Date : 2/27/2023 12:51:51 PM
 Vial # : 3
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

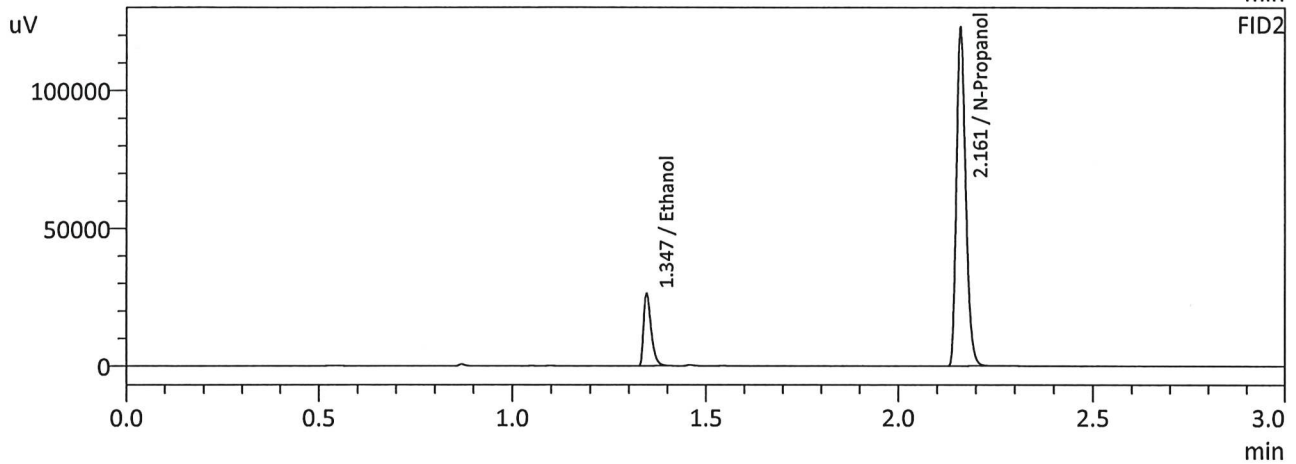
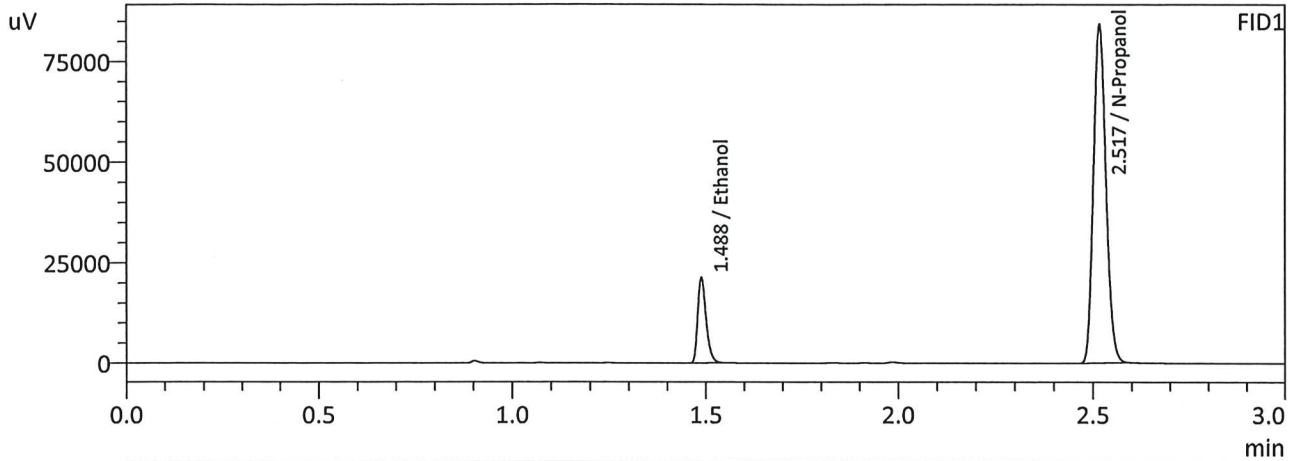
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	30209	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	179445	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0783	32529	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	194648	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-1-1-B
 Laboratory : Meridian
 Injection Date : 2/27/2023 1:00:39 PM
 Vial # : 4
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0818	32796	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	187274	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0811	35292	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203313	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-2		Analysis Date(s): 2/27/2023 6:54:07 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0808	0.0004	0.0810	0.0010	0.0815
(g/100cc)	0.0824	0.0817	0.0007	0.0820		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_230227.gcm

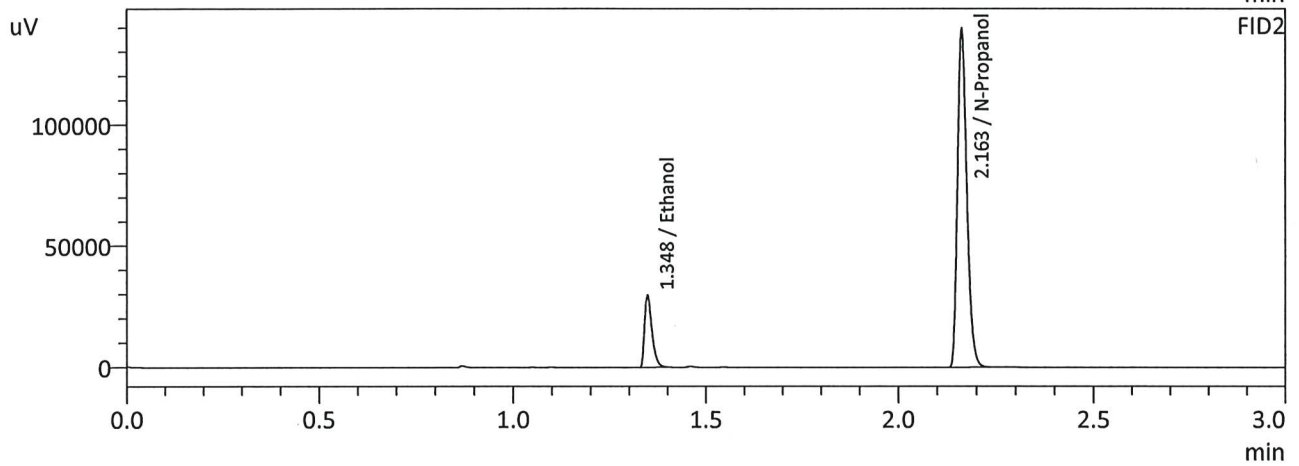
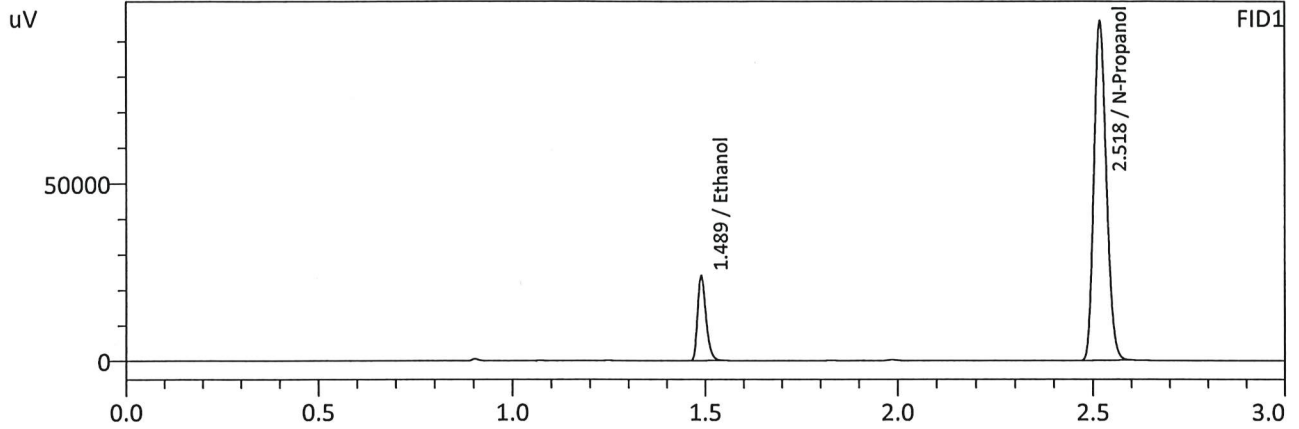
Reporting of Results	Uncertainty of Measurements (UM%): 5.00%		
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.081	0.076	0.086	0.005

	Reported Results
	0.081

Calibration and control data are stored centrally.

W

Sample Name : QC-1-2
 Laboratory : Meridian
 Injection Date : 2/27/2023 6:54:07 PM
 Vial # : 47
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

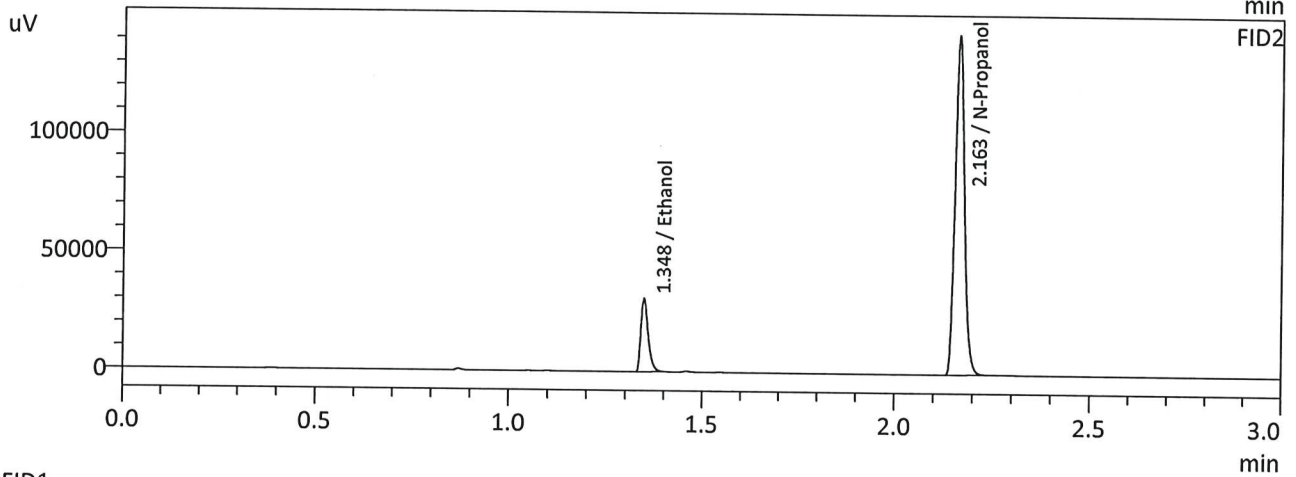
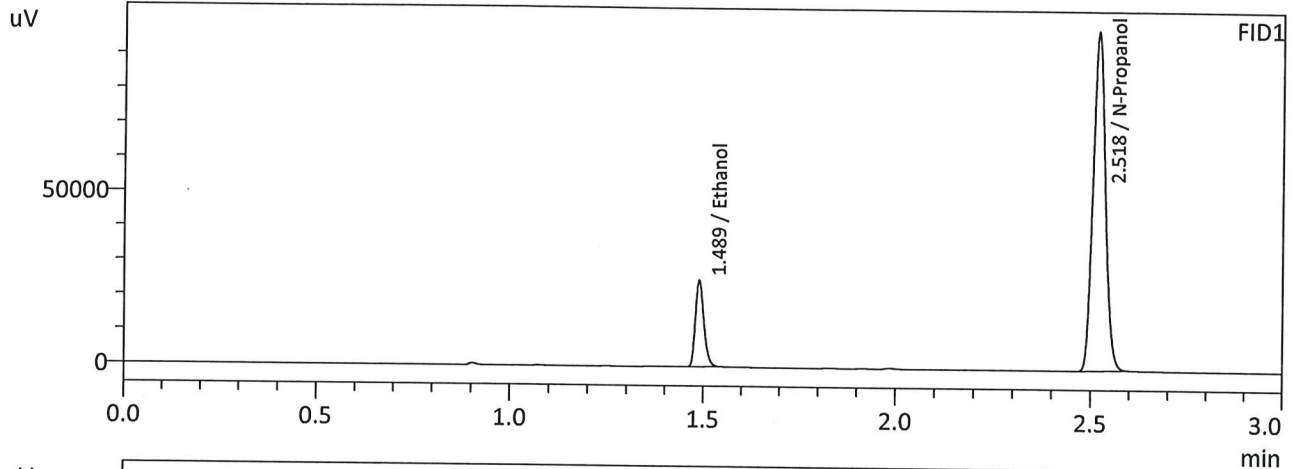
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0812	36949	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212751	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0808	39931	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231102	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-1-2-B
 Laboratory : Meridian
 Injection Date : 2/27/2023 7:03:04 PM
 Vial # : 48
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0824	38508	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218384	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0817	41536	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	237442	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-2-1		Analysis Date(s): 2/27/2023 3:52:54 PM(-07:00)				
	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2044	0.2037	0.0007	0.2040	0.0023	0.2051
(g/100cc)	0.2064	0.2062	0.0002	0.2063		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

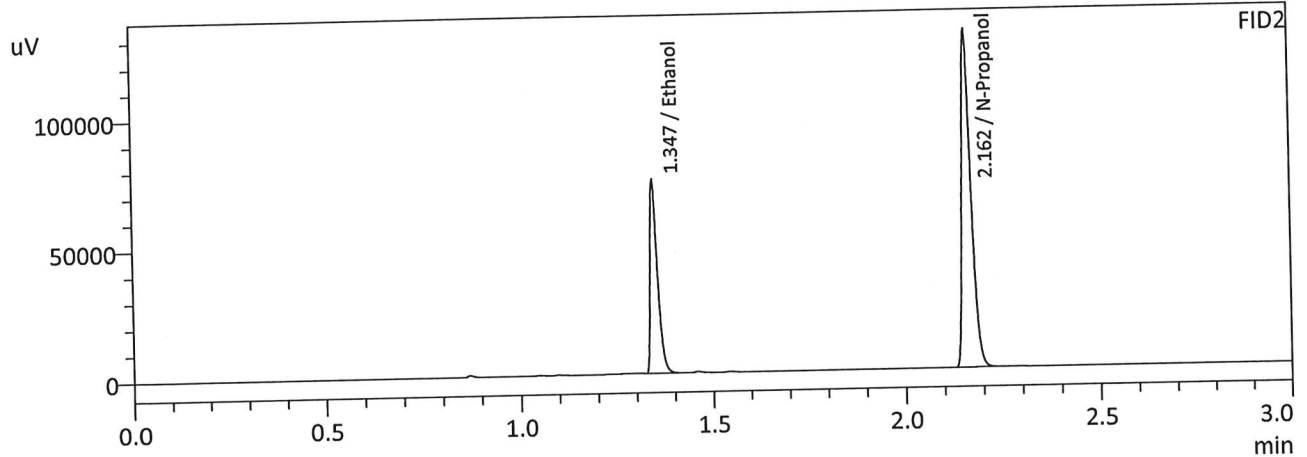
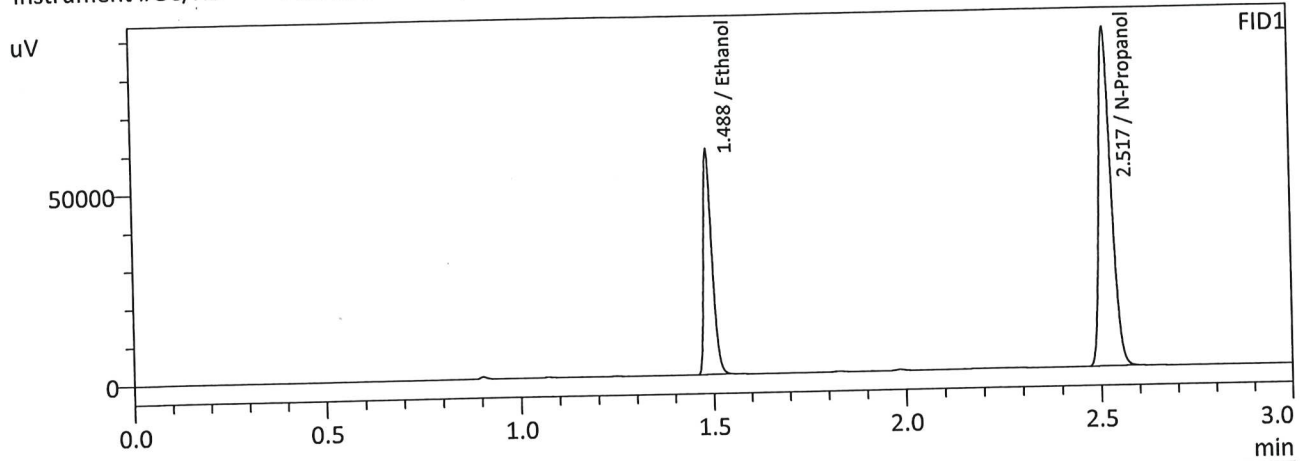
Refer To Instrument Method: ALCOHOL_230227.gcm

Reporting of Results	Uncertainty of Measurements (UM%):		5.00%
Overall Mean (g/100cc)	Low	High	5 % of Mean
0.205	0.194	0.216	0.011
	Reported Results		
	0.205		

Calibration and control data are stored centrally.

W

Sample Name : QC-2-1
 Laboratory : Meridian
 Injection Date : 2/27/2023 3:52:54 PM
 Vial # : 25
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

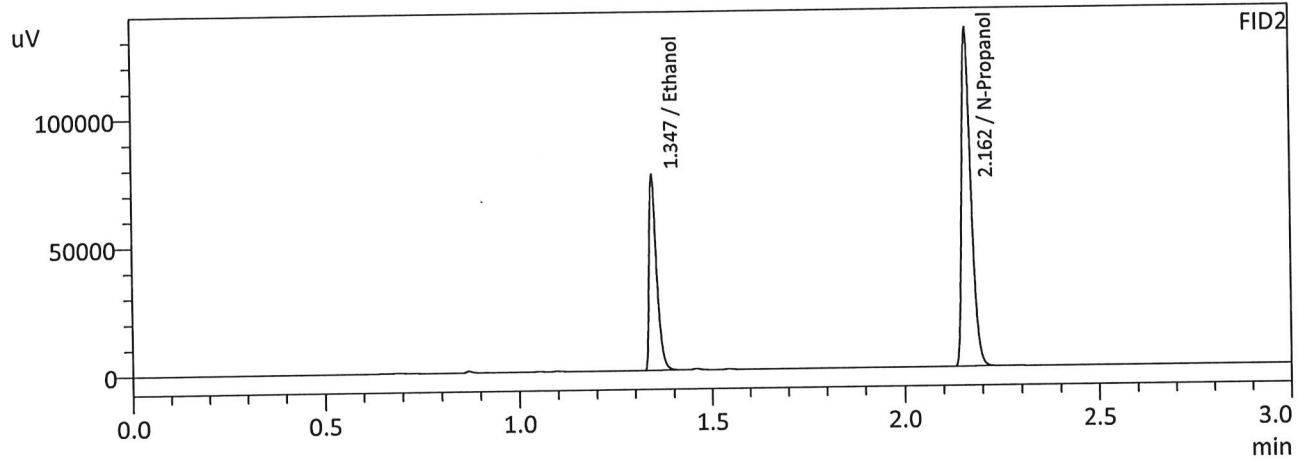
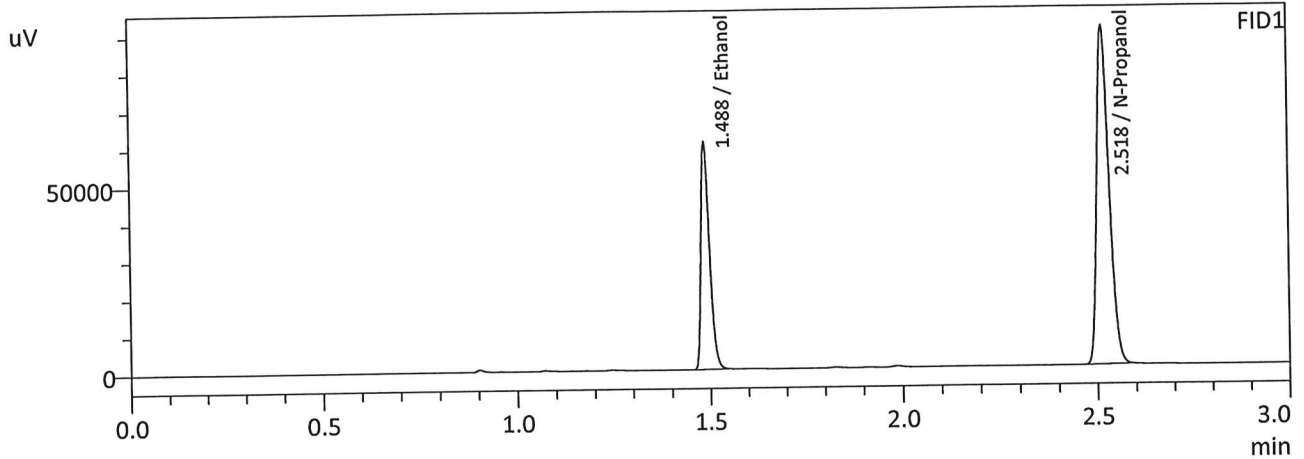
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2044	90767	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	197389	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2037	98203	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	214261	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

W

Sample Name : QC-2-1-B
 Laboratory : Meridian
 Injection Date : 2/27/2023 4:00:53 PM
 Vial # : 26
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2064	93299	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200851	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2062	101210	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218066	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

W

02/28/2023

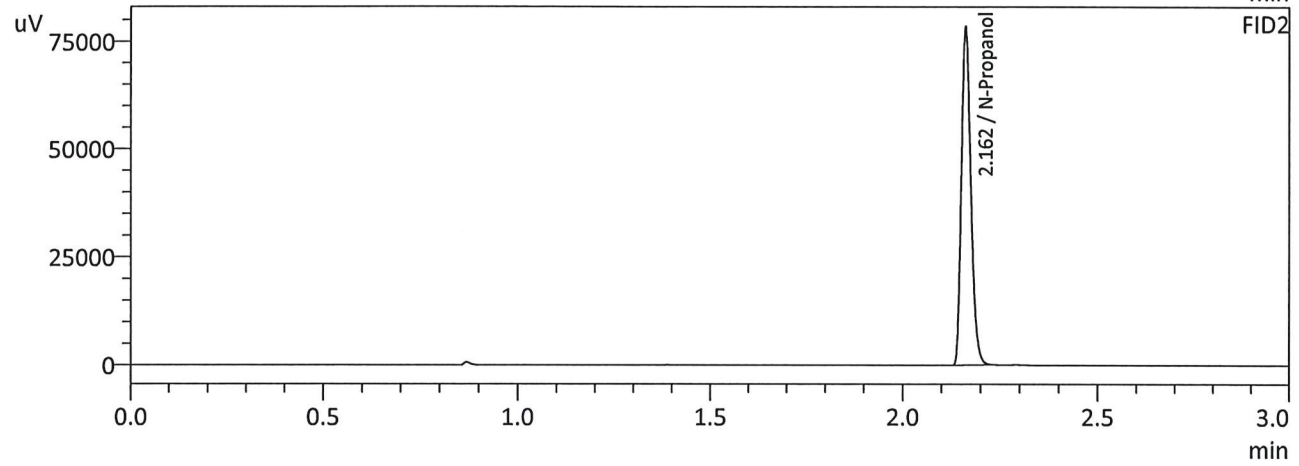
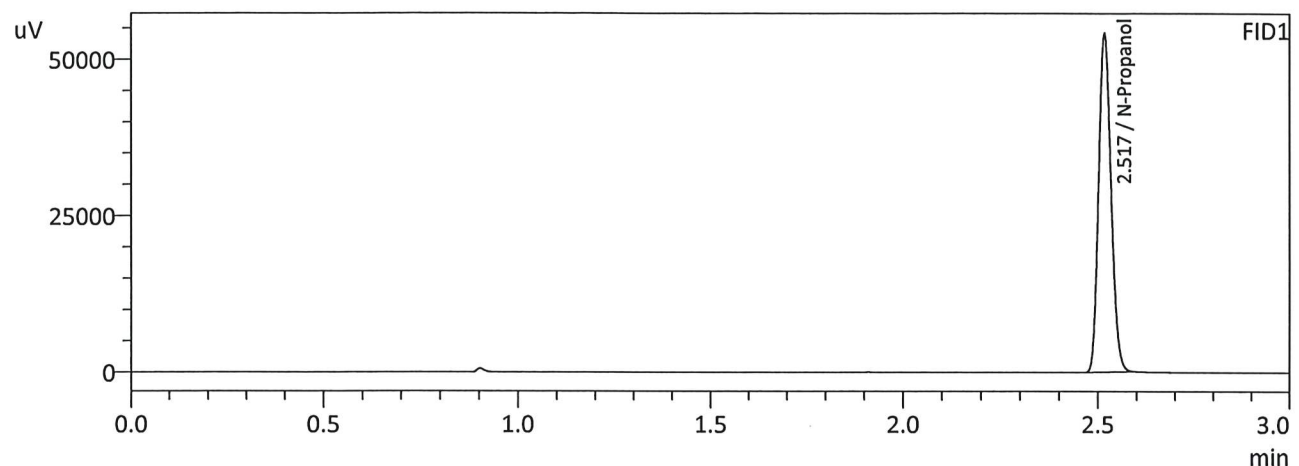
The initial blank (vial #1) of the Worklist 6259 ran on 2/27/23 had Internal Standard values outside the specified range for both detectors. This sample type is only used to qualitatively detect a presence of ethanol, and the internal standard is not a factor in that determination. Therefore, the test results are valid and were not impacted by the Internal Standard recovery.

Additionally, the Blood Alcohol Analytical Method AM #1 section 4.2.2.3.1 (revision 10) requires each analysis run to contain an internal standard blank. This criterium was fulfilled with the blank at the end of the run (vial #49) having Internal Standard values in the specified range.

GG



Sample Name : ISTD BLK 1
 Laboratory : Meridian
 Injection Date : 2/27/2023 12:37:04 PM
 Vial # : 1
 Method Filename : Default Project - ALCOHOL_230227.gcm
 Instrument #GC/HS : C12255750548 / C12595800409



FID1

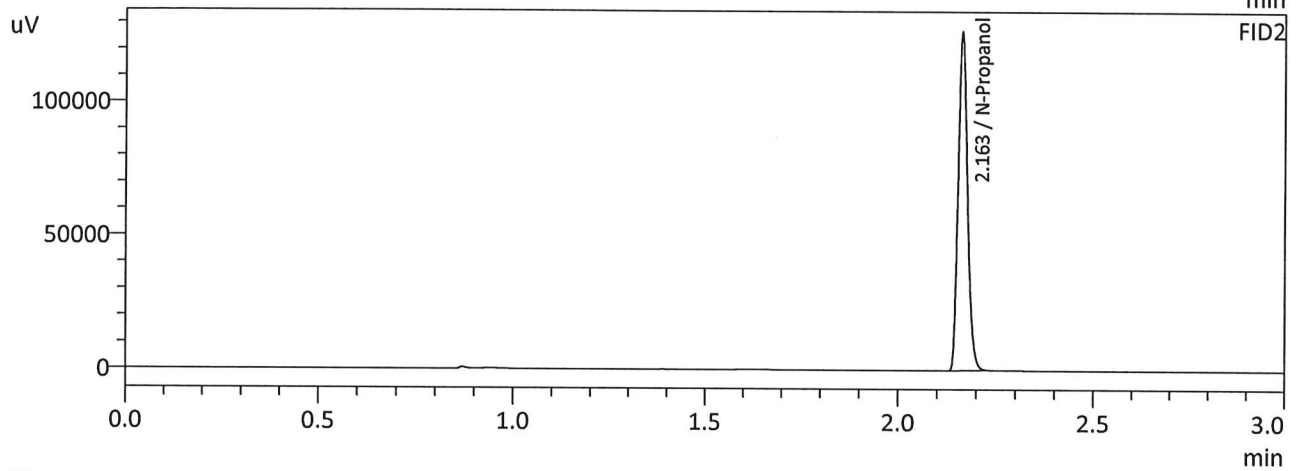
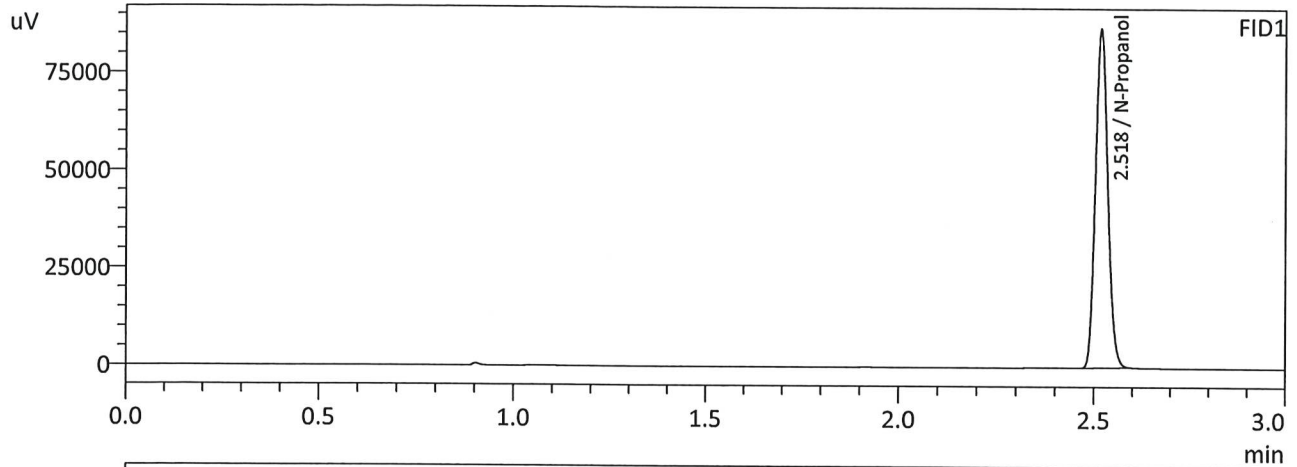
Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	120652	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	130647	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

N

Sample Name : ISTD BLK 2
 Laboratory : Meridian
 Injection Date : 2/27/2023 7:10:48 PM
 Vial # : 49
 Method Filename : Default Project - ALCOHOL_230227.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	193496	g/100cc
Flour. 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	210354	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Handwritten mark