Worklist: 6146

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2022-4287	1	BCK	Alcohol Analysis	
M2022-4288	1	BCK	Alcohol Analysis	
M2022-4324	1	BCK	Alcohol Analysis	
M2022-4341	1	BCK	Alcohol Analysis	
M2022-4354	1	BCK	Alcohol Analysis	
M2022-4360	1	BCK	Alcohol Analysis	
M2022-4361	1	BCK	Alcohol Analysis	
M2022-4374	1	BCK	Alcohol Analysis	
M2022-4379	1	BCK	Alcohol Analysis	
M2022-4380	1	BCK	Alcohol Analysis	
M2022-4388	1	BCK	Alcohol Analysis	
M2022-4402	1	BCK	Alcohol Analysis	
M2022-4403	1	BCK	Alcohol Analysis	
M2022-4414	1	BCK	Alcohol Analysis	
M2022-4422	1	BCK	Alcohol Analysis	
M2022-4475	1	BCK	Alcohol Analysis	
M2022-4490	1	BCK	Alcohol Analysis	
M2022-4506	1	BCK	Alcohol Analysis	
M2022-4508	1	BCK	Alcohol Analysis	

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

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):	10/26/2022
		Calibration Date:	10/26/2022
		Worklist #:	6146

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0715	g/100cc
					0.0763	g/100cc
						g/100cc
Level 2	Jul-23	1907007	0.2170	0.1953-0.2387	0.2090	g/100cc
						g/100cc
						g/100cc

Multi-Component mixture: Exp: 10/31/2024   Lot #   FN06041902

Curve Fit:		Column 1	0.99986	Column2	0.99986

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	0.1001	0.0999	0.0002	0.1
200	0.200	0.180 - 0.220	0.1965	0.1965	0	0.1965
300	0.300	0.270 - 0.330	0.3001	0.3002	0.0001	0.3001
400	0.400	0.360 - 0.440				#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5010	0	0.501

Aqueous Controls

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

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Internal Standard Monitoring Worksheet

Worklist #:	6146	Run Date(s):	10/26/2022

Internal Standard Solution:		Prep Date:	8/31/2022	Exp Date:	2/28/2023

Sample Name	Column 1 Value	Column 2 Value
0.080	194444	212187
0.080	190548	207880
QC1	194241	211961
QC1	195689	213798
QC1	236682	258672
QC1	235668	257628
QC1		
QC1		
QC2	212267	231634
QC2	218699	238759
QC2		
QC2		
QC2		
QC2		

	Average	(-)20%	(+)20%
Column 1	209779.8	167823.8	251735.7
Column 2	229064.9	183251.9	274877.9

==

Calibration Table

==

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

<<Data File>>
Method File   :C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
Batch File   :C:\LabSolutions\Data\221026\CALIBRATION\CALCURVE_TEMPLATE.gcb
Date Acquired   :10/26/2022 10:56:50 AM
Date Created   :10/26/2022 10:52:11 AM
Date Modified   :10/26/2022 10:59:52 AM
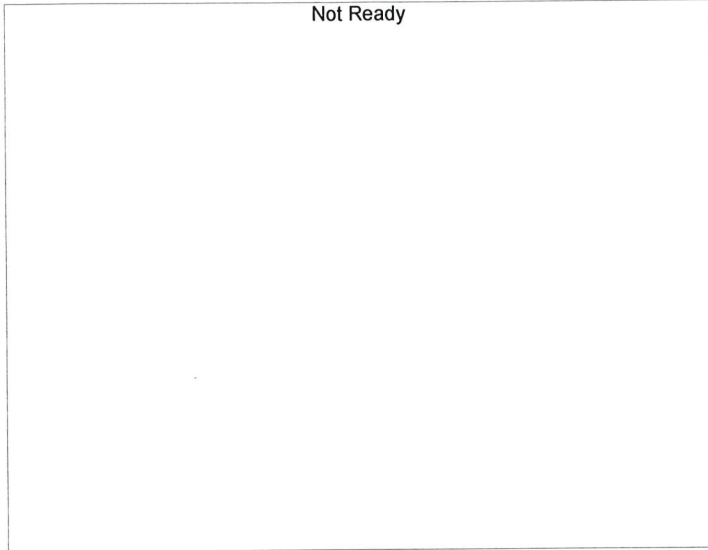
Not Ready

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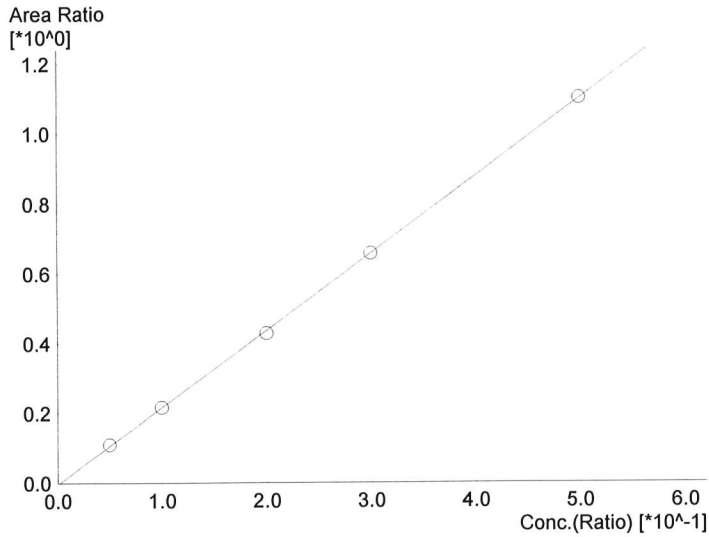
#	Conc.	Area	Std. Conc.

Name : Ethanol
Detector Name: FID1
Function : f(x)=2.20627*x-0.00524337
R^2 value= 0.9998634
FitType: Linear
ZeroThrough: Not Through

Area Ratio [*10^0] vs Conc.(Ratio) [*10^-1]

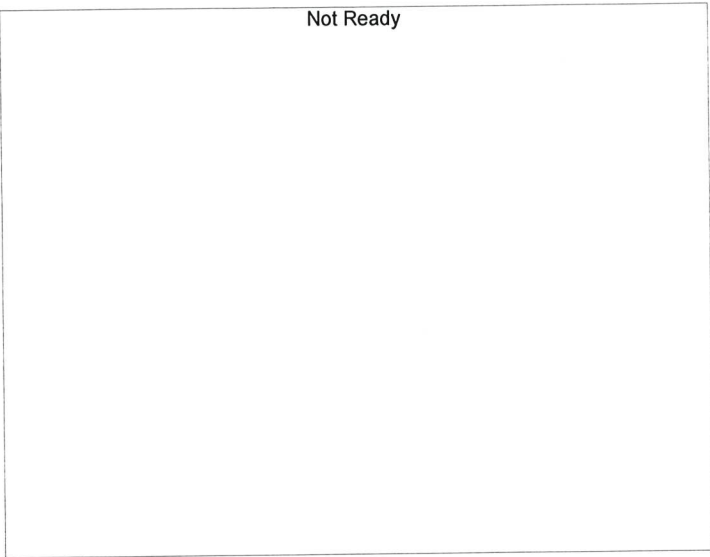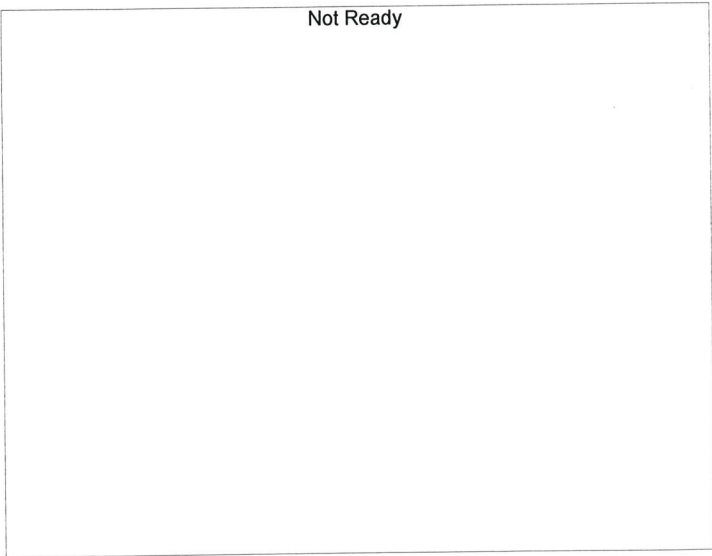| #	Conc.	Area	Std. Conc.
1	0.050	21953	0.0520
2	0.100	41617	0.1001
3	0.200	79988	0.1965
4	0.300	124402	0.3001
5	0.500	213615	0.5010
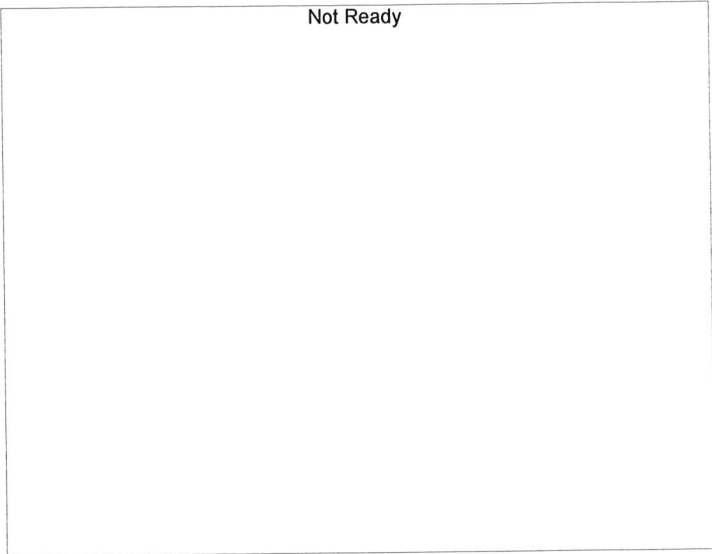
Not Ready

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.

Not Ready

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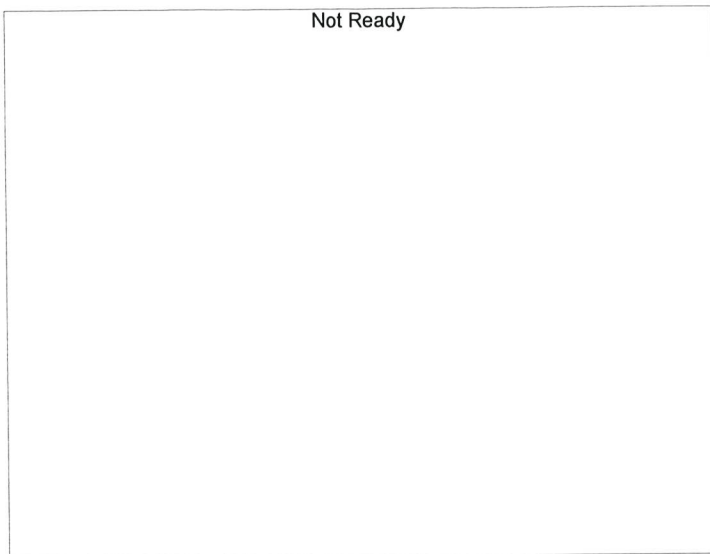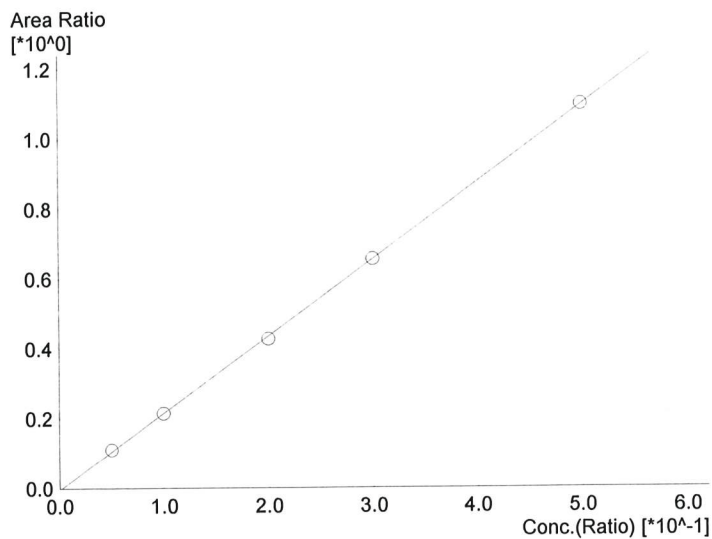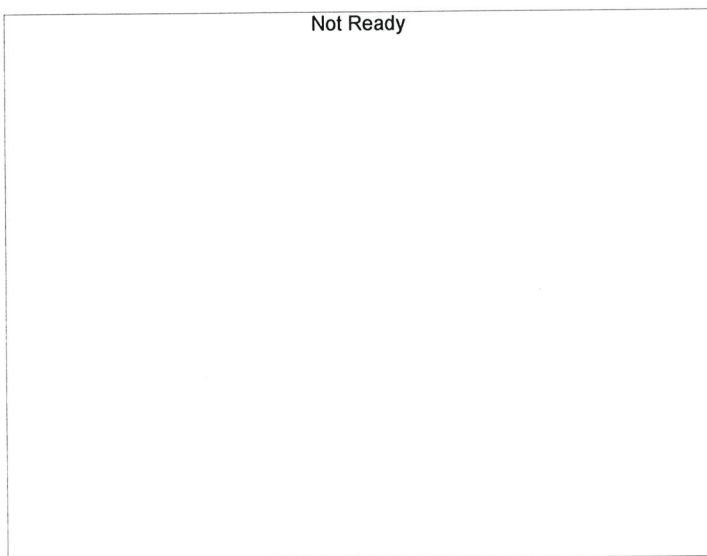FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

Not Ready

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.

Not Ready

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)=2.20040*x-0.00560849
R^2 value= 0.9998620
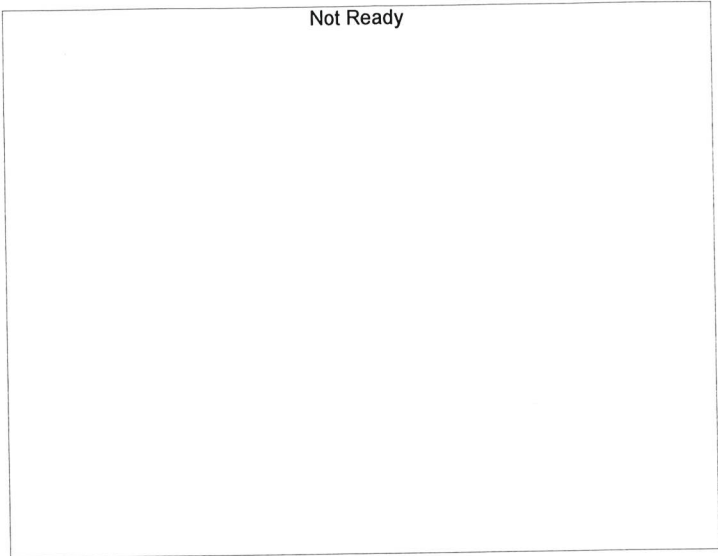**FitType: Linear**
ZeroThrough: Not Through

Area Ratio
[*10^0]

Conc.(Ratio) [*10^-1]

#	Conc.	Area	Std. Conc.
1	0.050	23864	0.0521
2	0.100	45121	0.0999
3	0.200	86897	0.1965
4	0.300	135206	0.3002
5	0.500	231980	0.5010

Not Ready

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

#	Conc.	Area	Std. Conc.

Not Ready

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

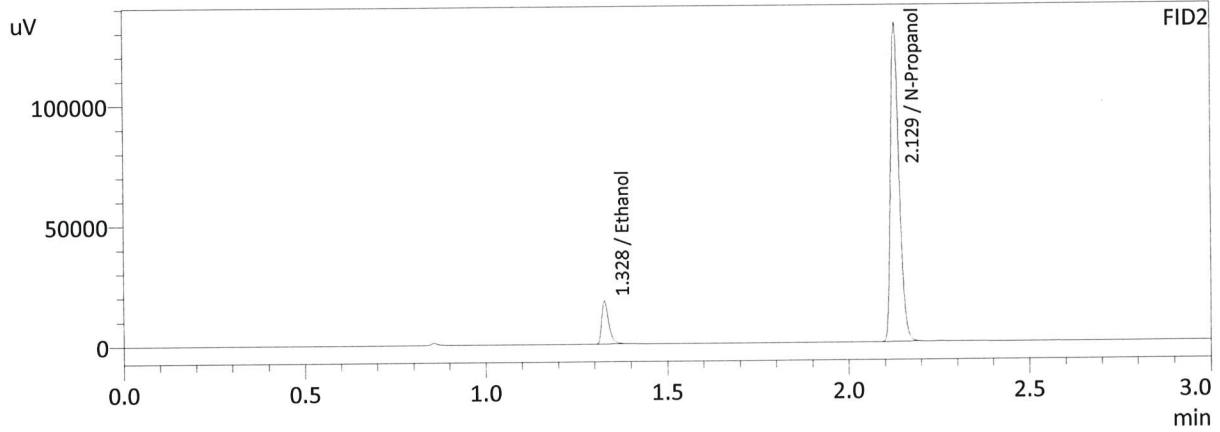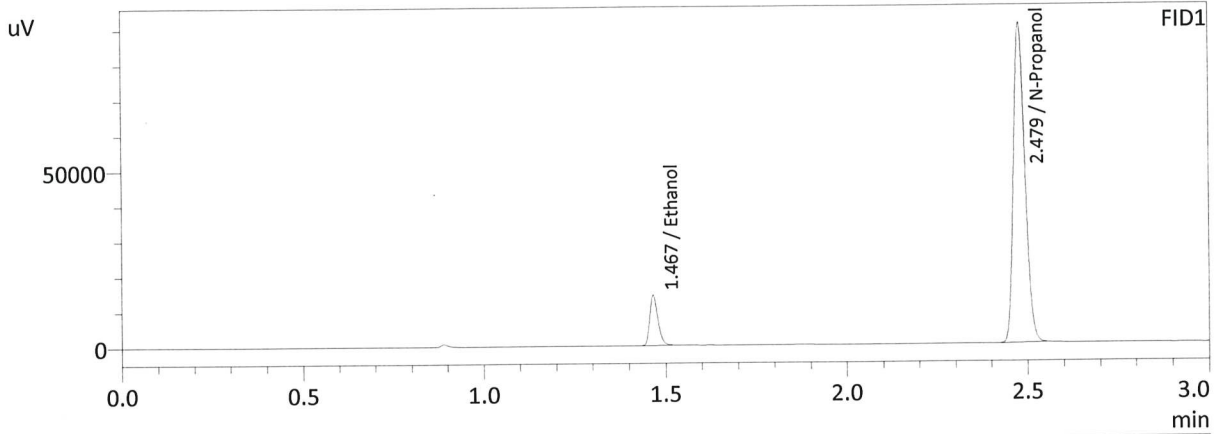| #	Conc.	Area	Std. Conc.

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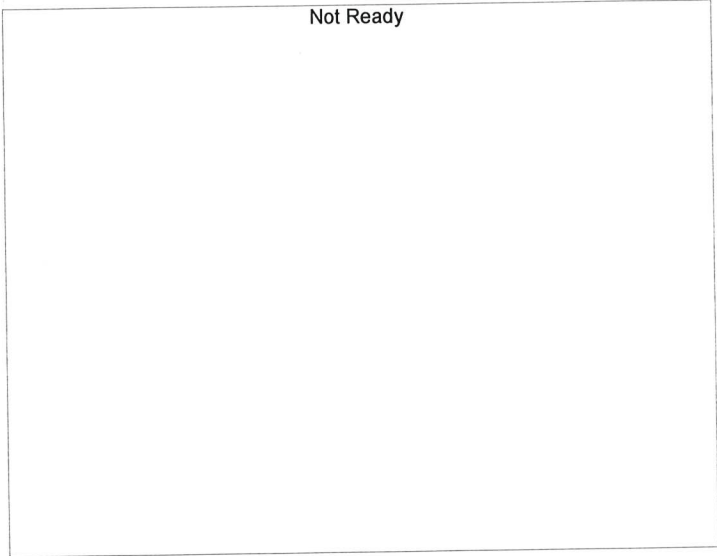
Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

#	Conc.	Area	Std. Conc.

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0520	21953	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	200128	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0521	23864	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	218462	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc
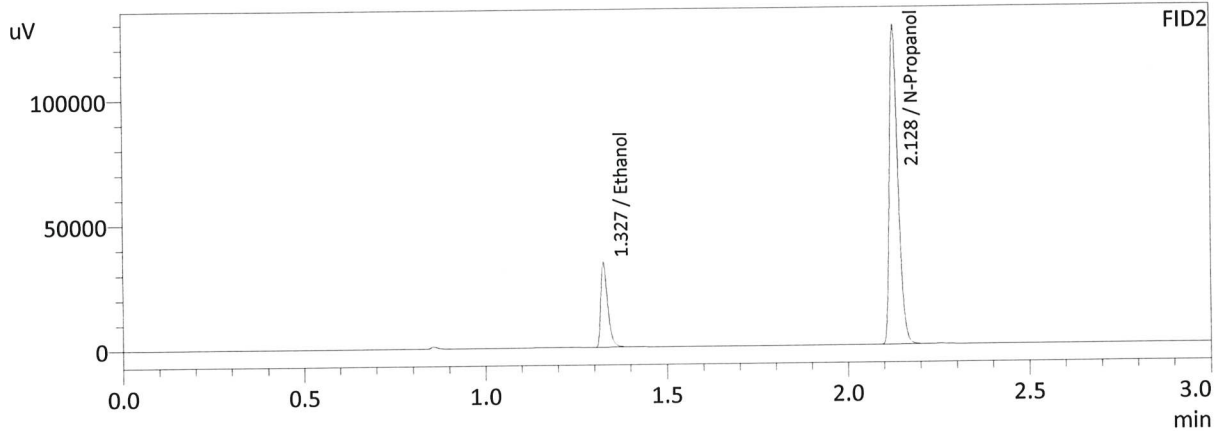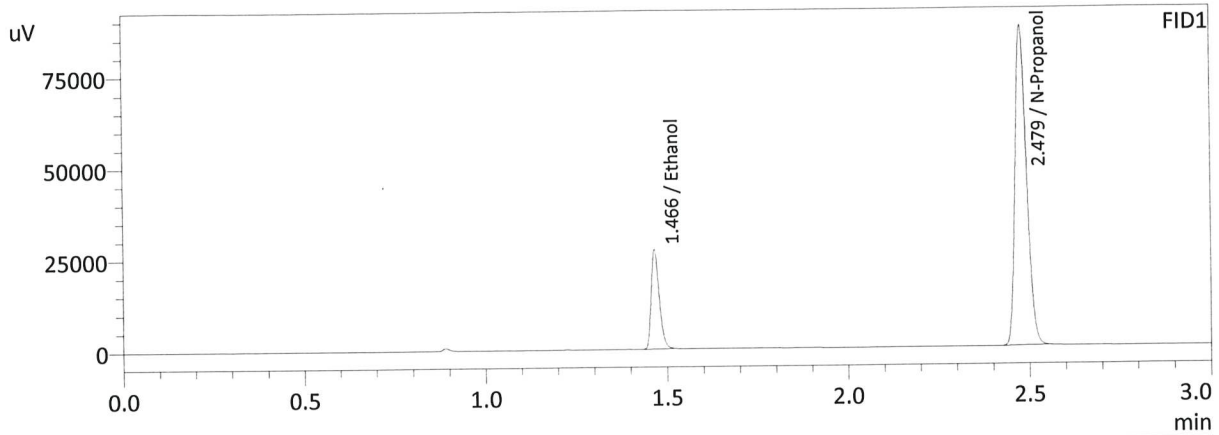
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1001	41617	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	192883	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0999	45121	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	210433	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.200
Laboratory   : Meridian
Injection Date   : 10/26/2022 10:40:36 AM
Vial #   : 3
Method Filename   : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
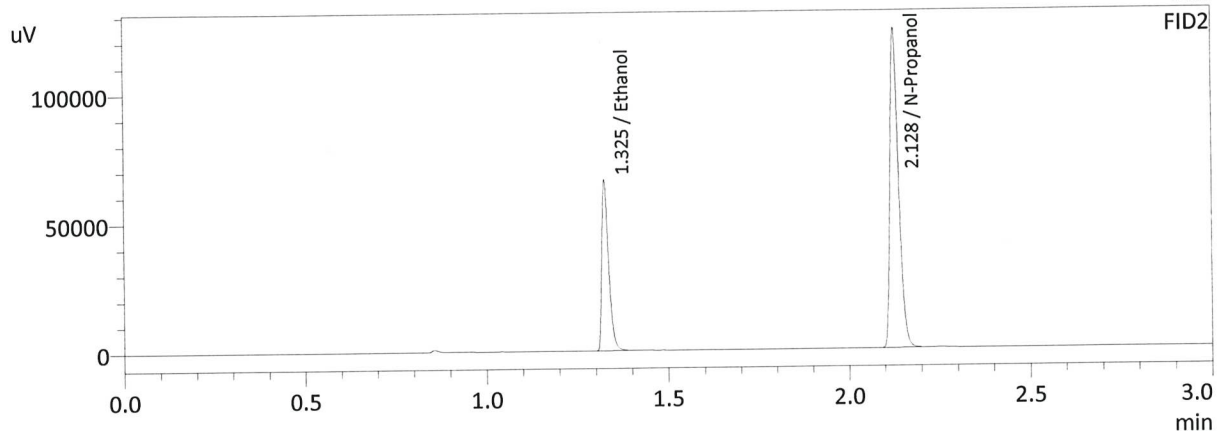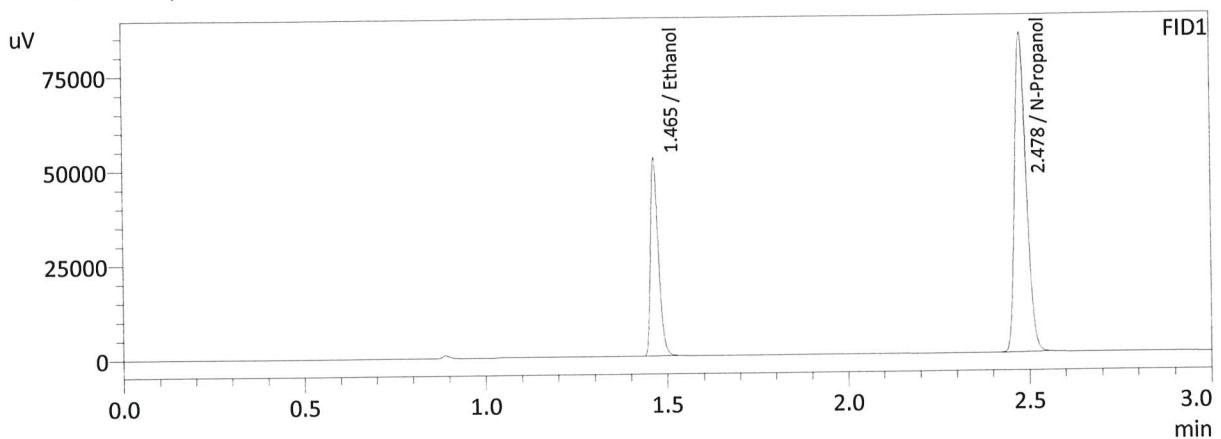Instrument #GC/HS   : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1965	79988	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	186715	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.1965	86897	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	203540	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.300
Laboratory   : Meridian
Injection Date   : 10/26/2022 10:49:03 AM
Vial #   : 4
Method Filename : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
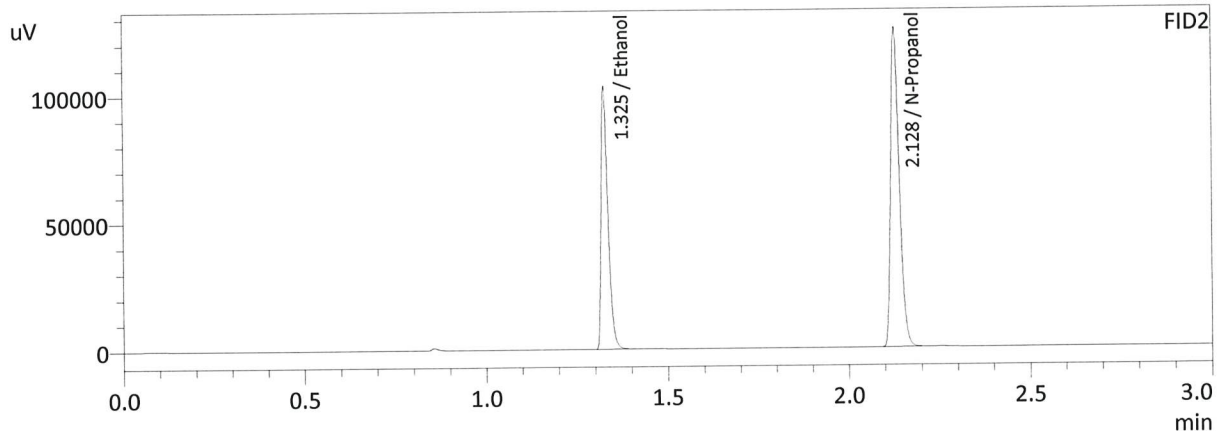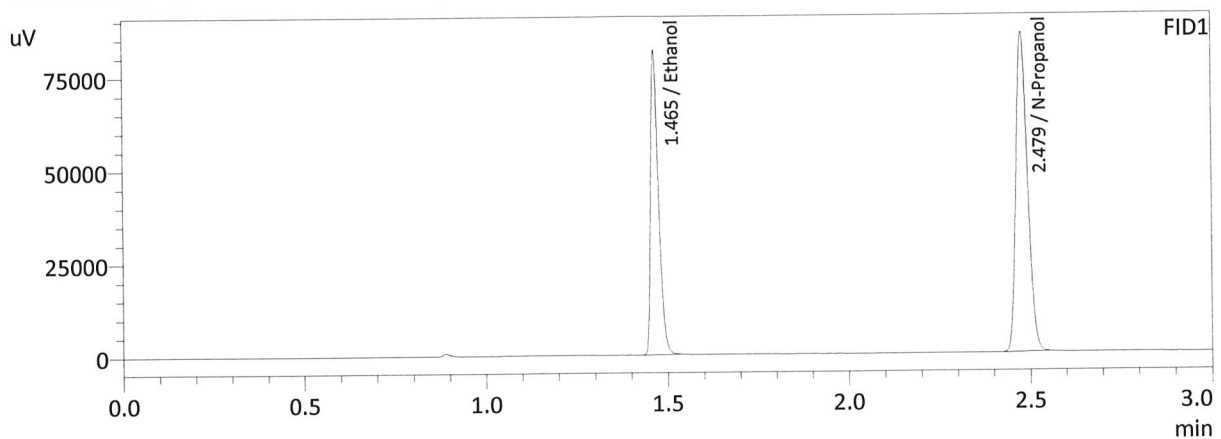Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3001	124402	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	189376	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.3002	135206	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	206422	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.500
Laboratory   : Meridian
Injection Date   : 10/26/2022 10:56:50 AM
Vial #   : 5
Method Filename : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
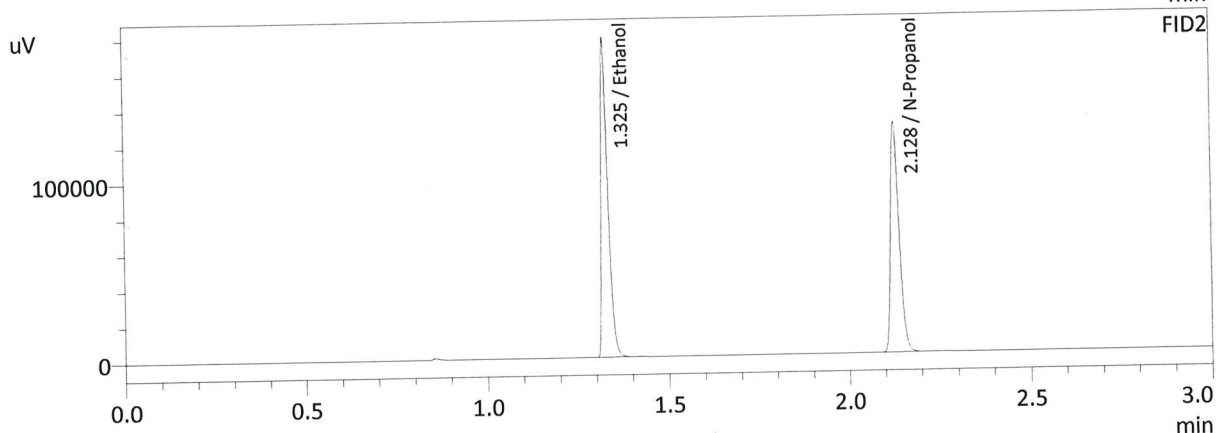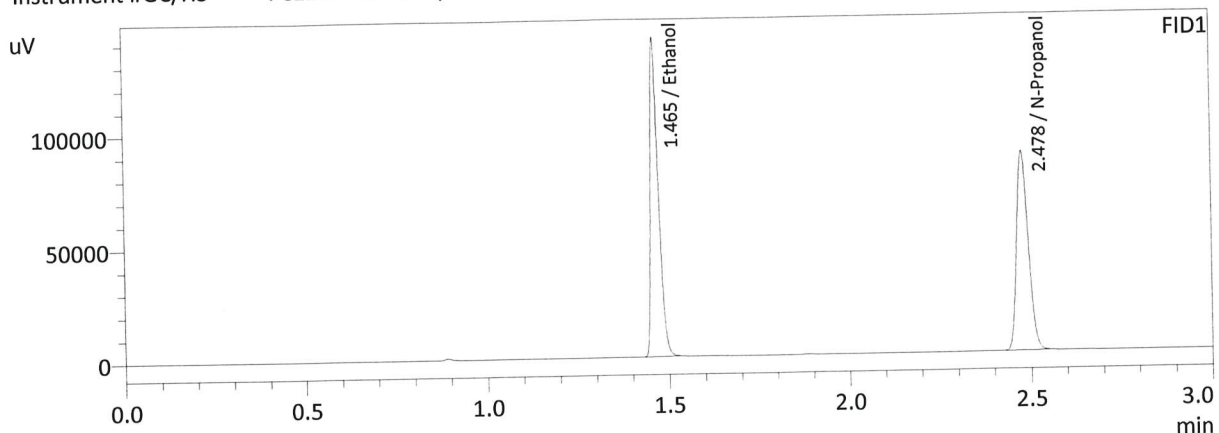Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5010	213615	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194154	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.5010	231980	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211498	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : INT STD BLK
Laboratory   : Meridian
Injection Date   : 10/26/2022 11:05:26 AM
Vial #   : 6
Method Filename   : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409
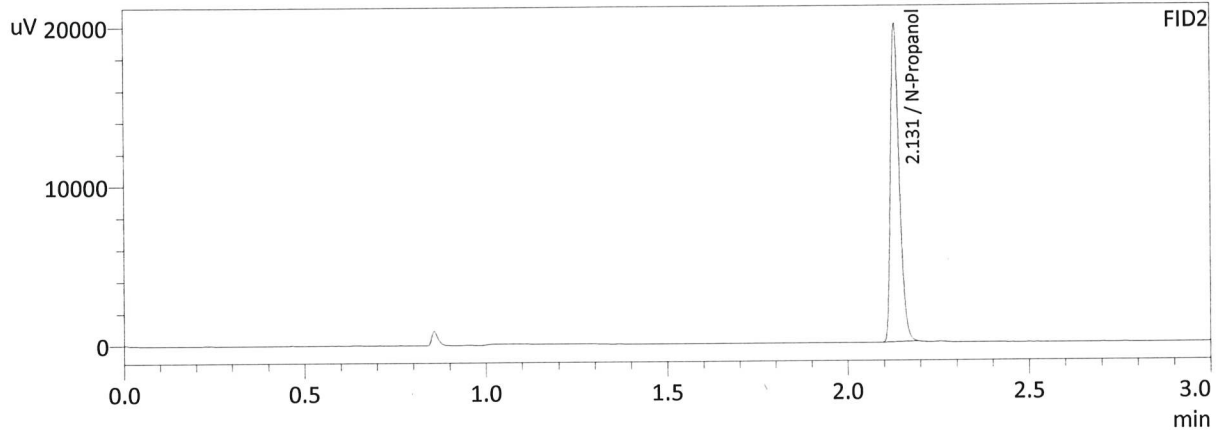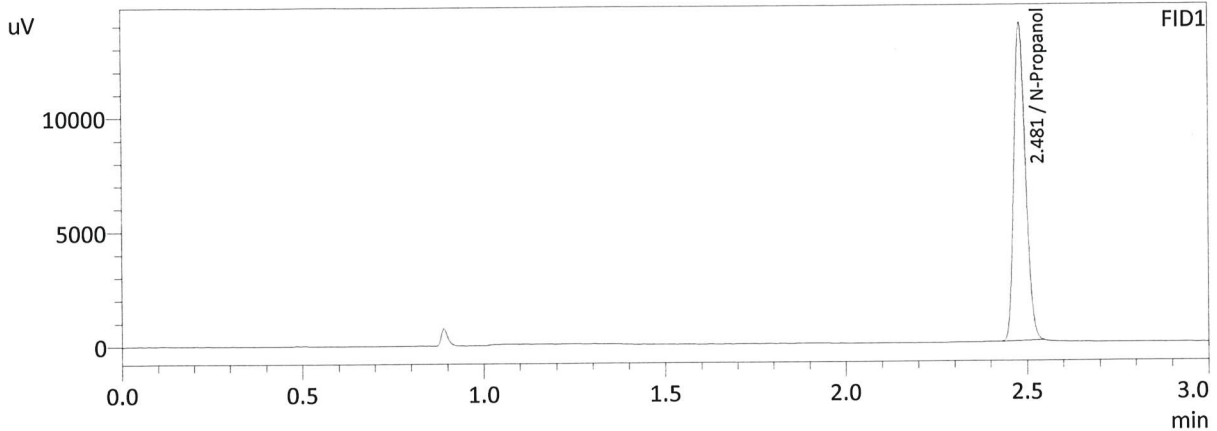
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	30953	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	33596	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	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

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	Method File
1	INT STD BLK 1	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
2	ED VOLATILES FN 0604	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
3	QC-1-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
4	QC-1-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
5	0.08 QA-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
6	0.08 QA-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
7	M2022-4287-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
8	M2022-4287-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
9	M2022-4288-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
10	M2022-4288-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
11	M2022-4324-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
12	M2022-4324-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
13	M2022-4341-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
14	M2022-4341-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
15	M2022-4354-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
16	M2022-4354-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
17	M2022-4360-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
18	M2022-4360-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
19	M2022-4361-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
20	M2022-4361-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
21	M2022-4374-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
22	M2022-4374-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
23	M2022-4379-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
24	M2022-4379-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
25	QC-2-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
26	QC-2-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
27	M2022-4380-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
28	M2022-4380-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
29	M2022-4388-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
30	M2022-4388-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
31	M2022-4402-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
32	M2022-4402-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
33	M2022-4403-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
34	M2022-4403-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
35	M2022-4414-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
36	M2022-4414-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
37	M2022-4422-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
38	M2022-4422-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
39	M2022-4475-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
40	M2022-4475-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
41	M2022-4490-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
42	M2022-4490-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
43	M2022-4506-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
44	M2022-4506-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
45	M2022-4508-1-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
46	M2022-4508-1-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
47	QC1-2-A	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
48	QC1-2-B	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
49	INT STD BLK 2	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
50	DFE 1119140M	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
51	INT STD BLK 3	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
52	TFE 111914	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
53	INT STD BLK	C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
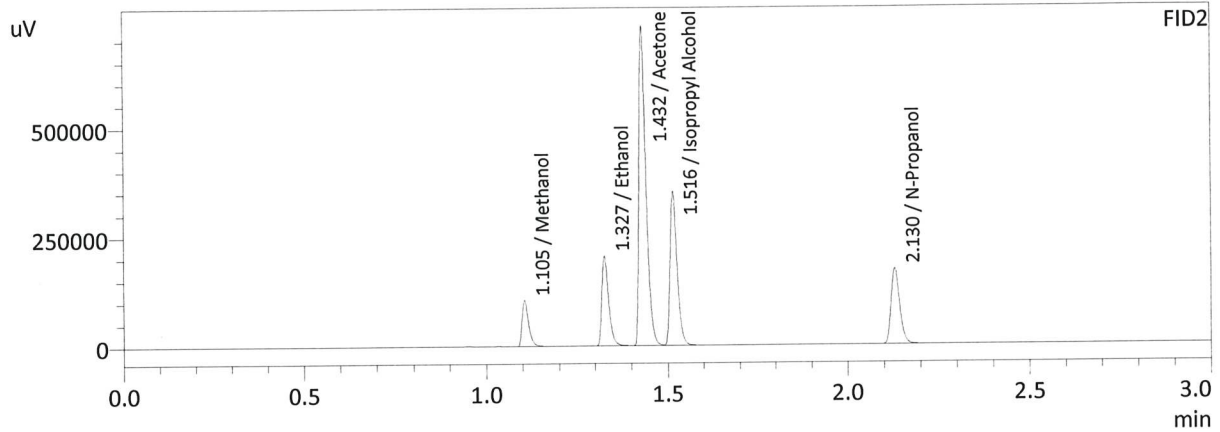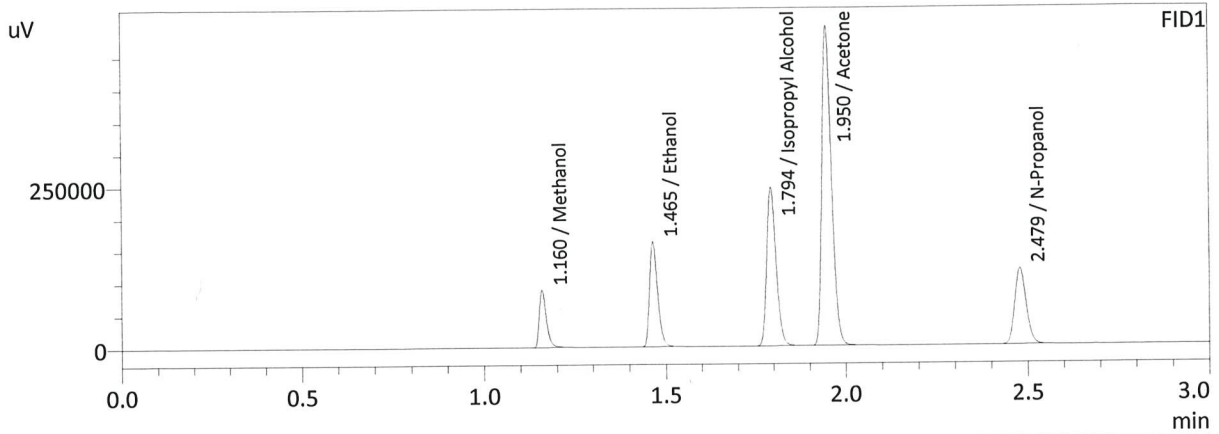
FID1

Name	Conc.	Area	Unit
Methanol	0.0000	119361	g/100cc
Ethanol	0.4341	247817	g/100cc
Isopropyl Alcohol	0.0000	449476	g/100cc
Acetone	0.0000	908207	g/100cc
N-Propanol	0.0000	260138	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	0.0000	130088	g/100cc
Ethanol	0.4355	269039	g/100cc
Acetone	0.0000	979881	g/100cc
Isopropyl Alcohol	0.0000	486373	g/100cc
N-Propanol	0.0000	282360	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QA 0.08   Item #   **Analysis Date(s):** 10/26/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0789	0.0001	0.0789		
(g/100cc)	0.0800	0.0798	0.0002	0.0799	0.0010	0.0794

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

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

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

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

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

W
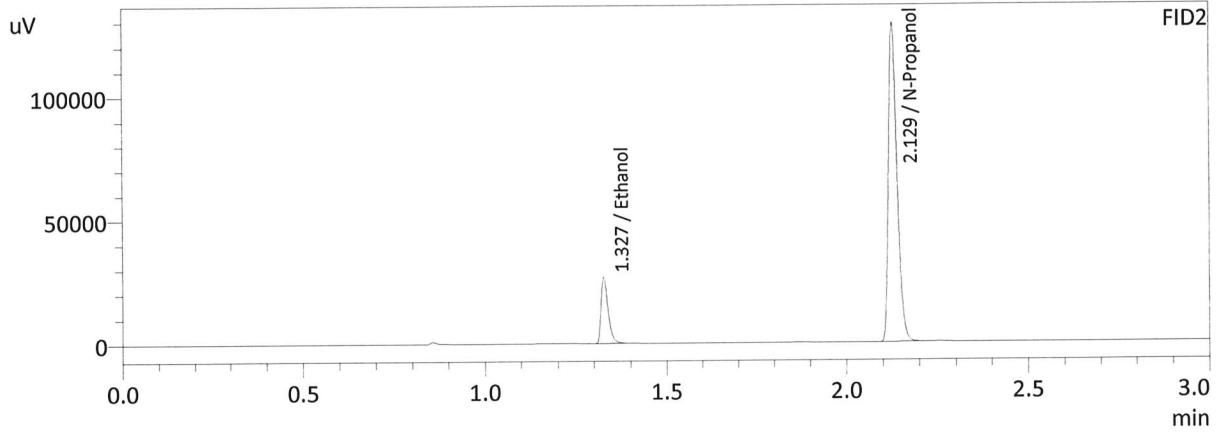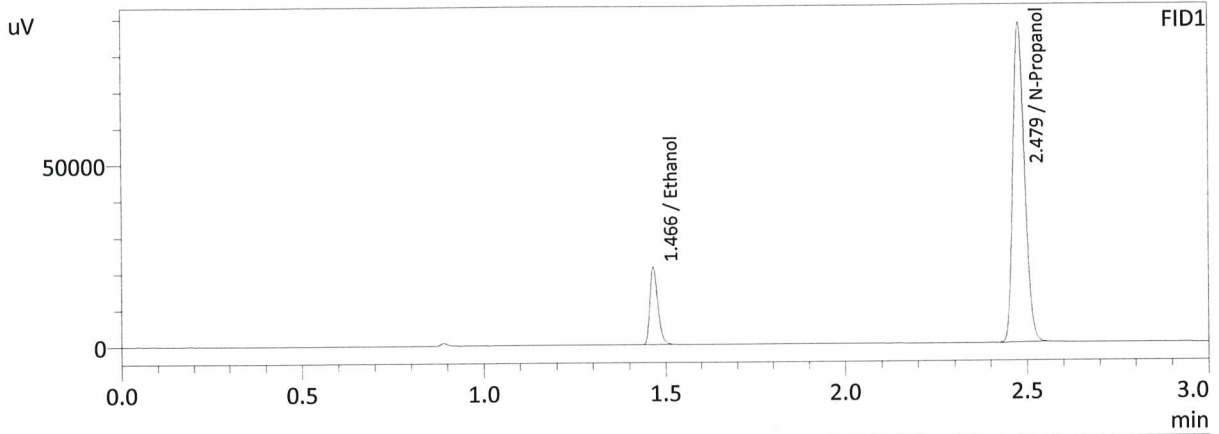
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0790	32906	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194444	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0789	35650	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	212187	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : 0.08 QA-B
Laboratory   : Meridian
Injection Date   : 10/26/2022 1:18:07 PM
Vial #   : 6
Method Filename : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409
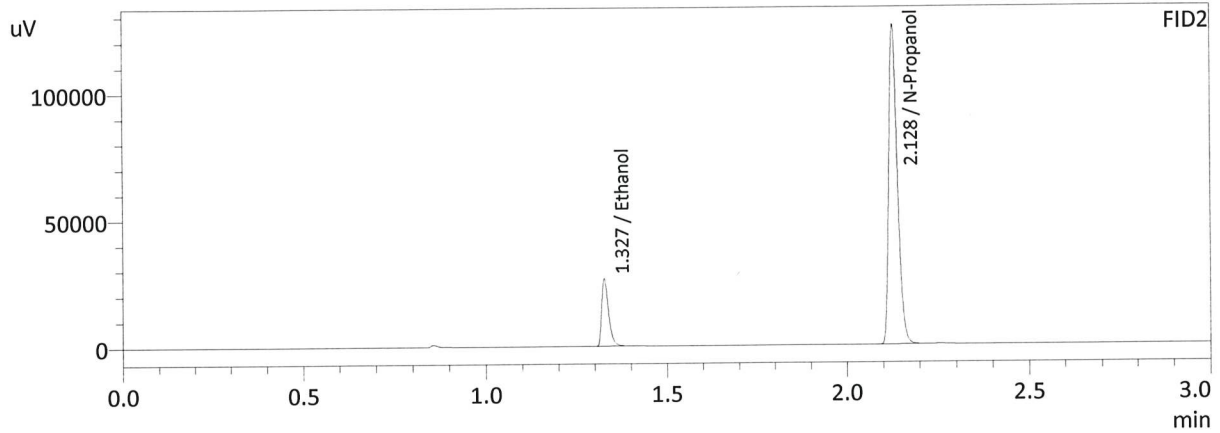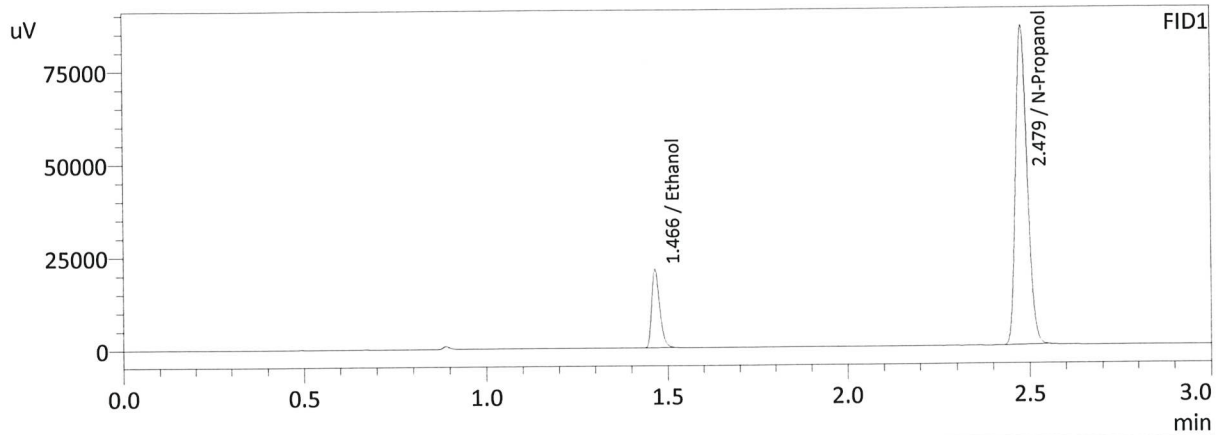
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0800	32635	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	190548	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0798	35363	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	207880	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-1   Item #   **Analysis Date(s):**   10/26/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0721	0.0720	0.0001	0.0720		
(g/100cc)	0.0710	0.0709	0.0001	0.0709	0.0011	0.0715

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

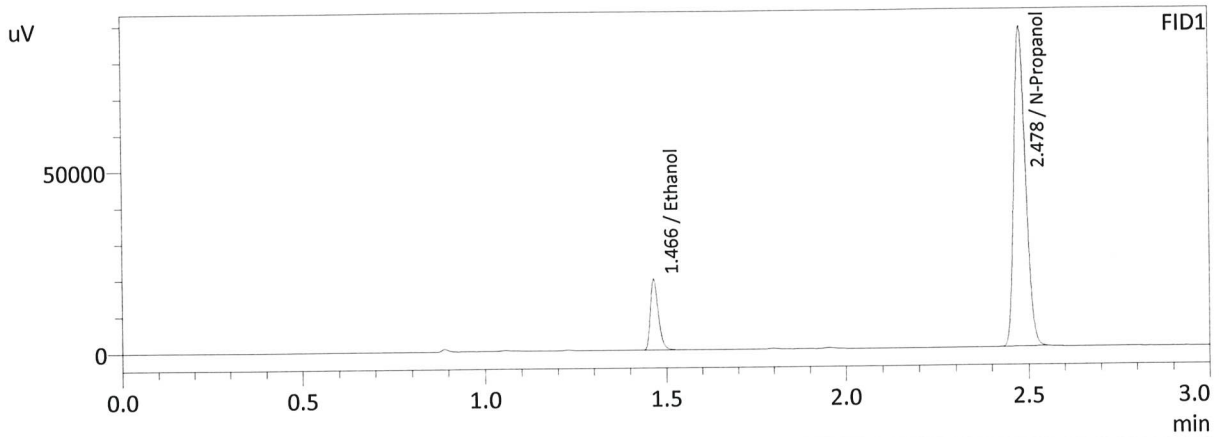## Reporting of Results   Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.071	0.067	0.075	0.004

	Reported Result	
	0.071	

Calibration and control data are stored centrally.

W

Revision: 1
Issue Date: 12/29/2021
Issuing Authority: Quality Manager
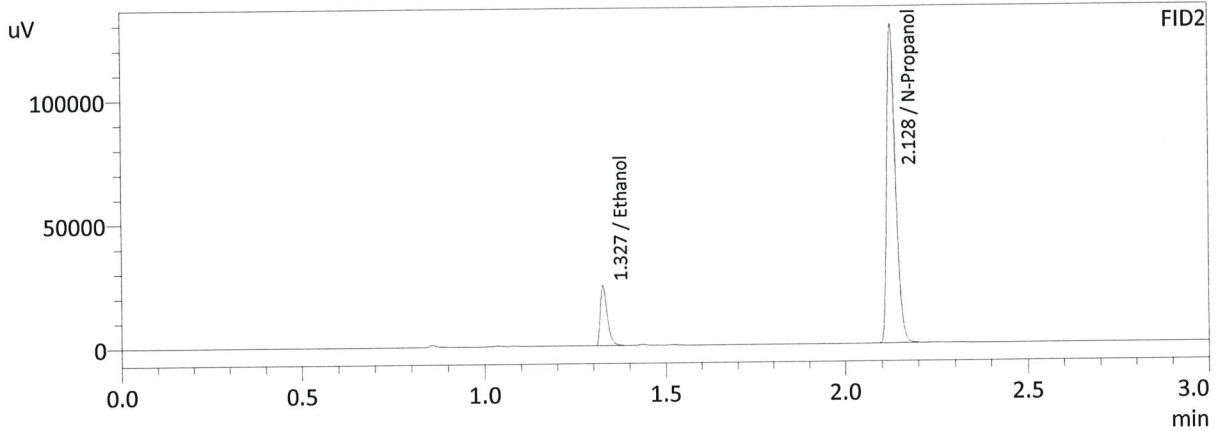
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0721	29900	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	194241	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0720	32411	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	211961	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : QC-1-1-B
Laboratory   : Meridian
Injection Date   : 10/26/2022 1:01:55 PM
Vial #   : 4
Method Filename   : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
Instrument #GC/HS : C12255750548 / C12595800409
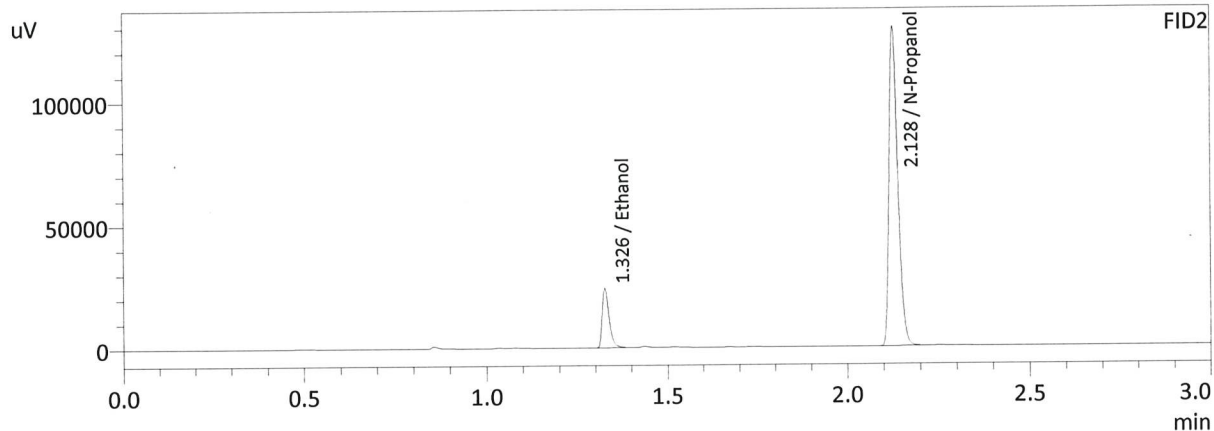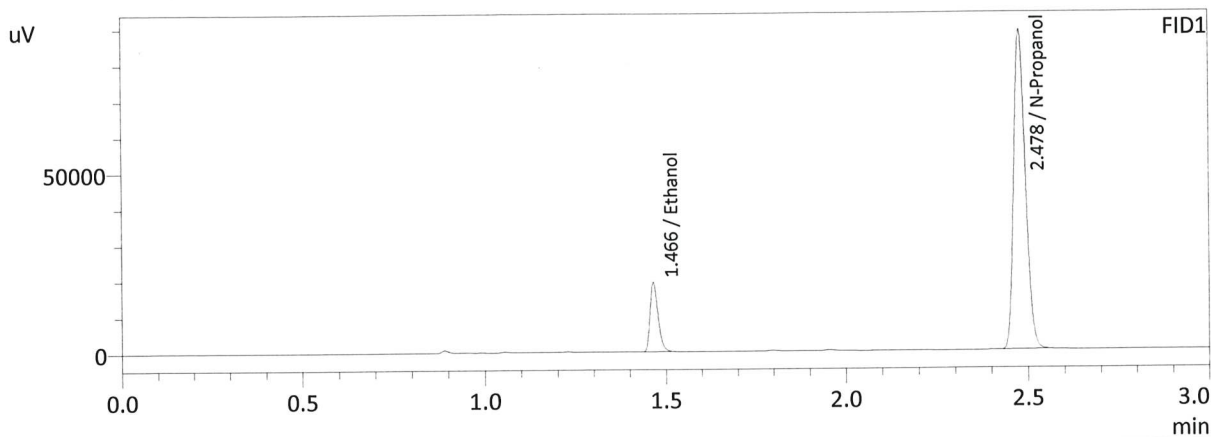
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0710	29667	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	195689	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0709	32185	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	213798	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 1-2   Item #   **Analysis Date(s):** 10/26/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0769	0.0769	0.0000	0.0769		
(g/100cc)	0.0758	0.0759	0.0001	0.0758	0.0011	0.0763

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
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

W

Revision: 1
Issue Date: 12/29/2021
Issuing Authority: Quality Manager

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	38916	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	236682	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0769	42360	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	258672	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID1

1.467 / Ethanol
2.481 / N-Propanol

FID2

1.328 / Ethanol
2.131 / N-Propanol
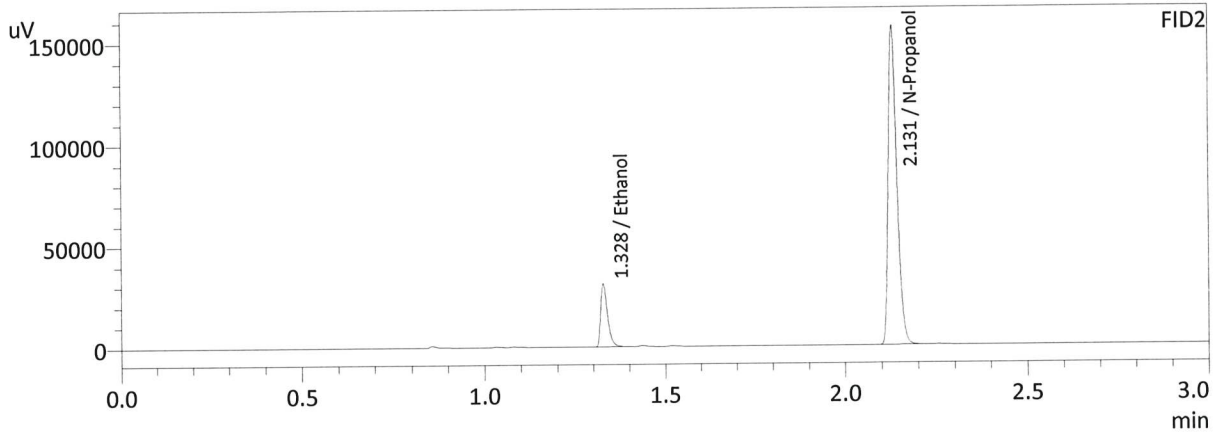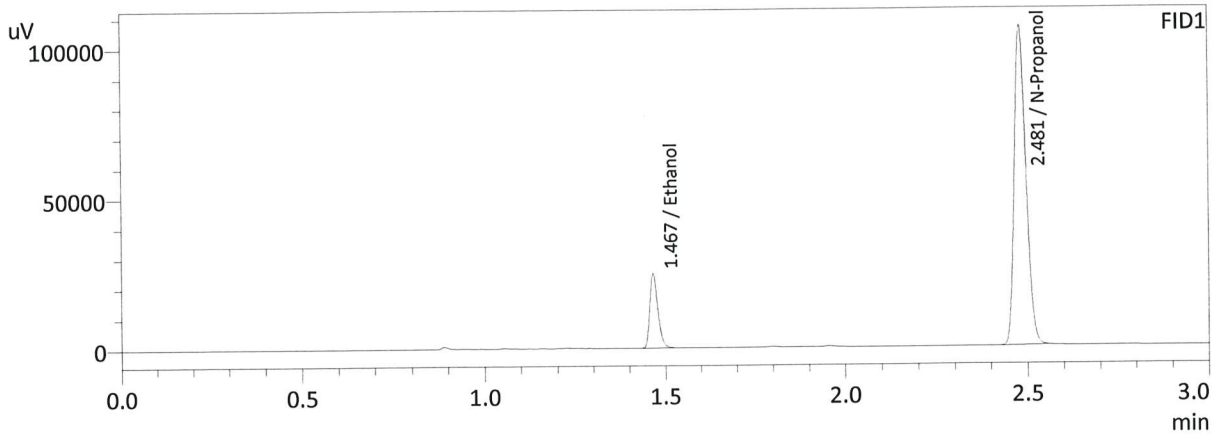
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0758	38204	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235668	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.0759	41588	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	257628	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC 2-1   Item #   **Analysis Date(s):** 10/26/2022

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2074	0.2078	0.0004	0.2076		
(g/100cc)	0.2104	0.2107	0.0003	0.2105	0.0029	0.2090

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
0.209	0.198	0.220	0.011

	Reported Result	
	0.209	

Calibration and control data are stored centrally.

Sample Name   : QC-2-1-A
Laboratory   : Meridian
Injection Date   : 10/26/2022 3:52:05 PM
Vial #   : 25
Method Filename   : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
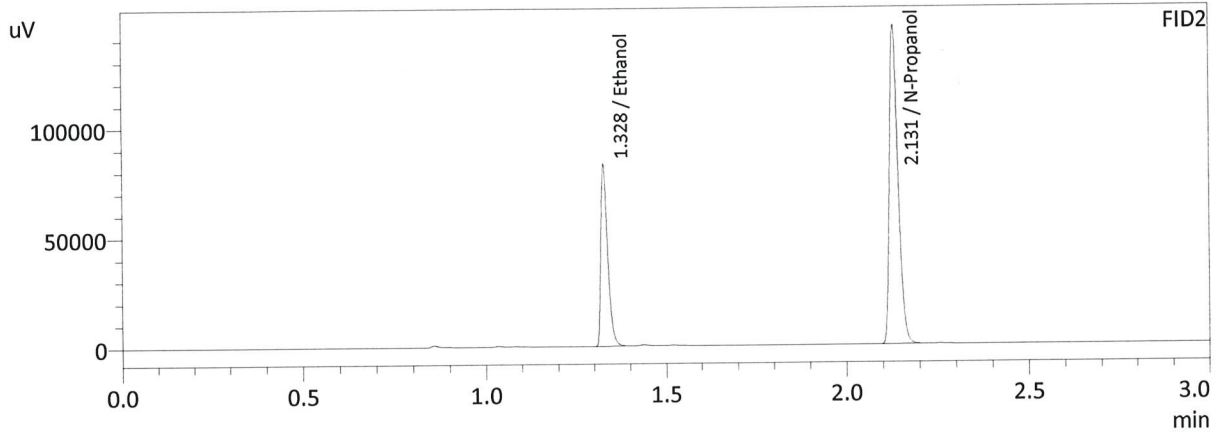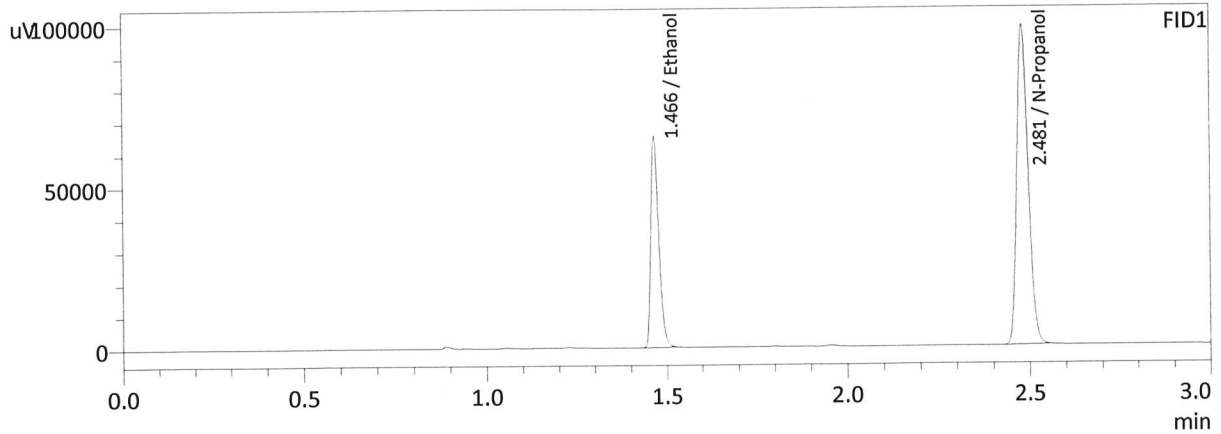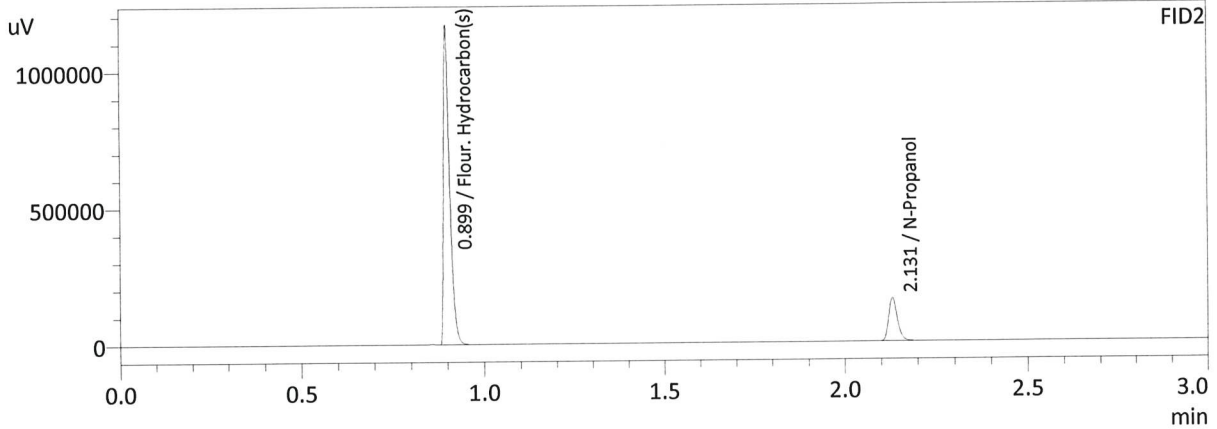Instrument #GC/HS : C12255750548 / C12595800409
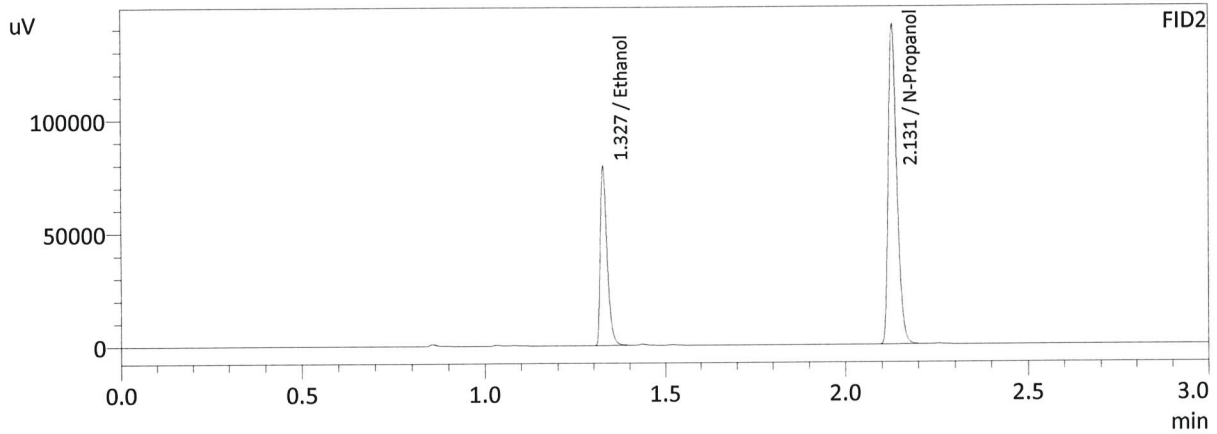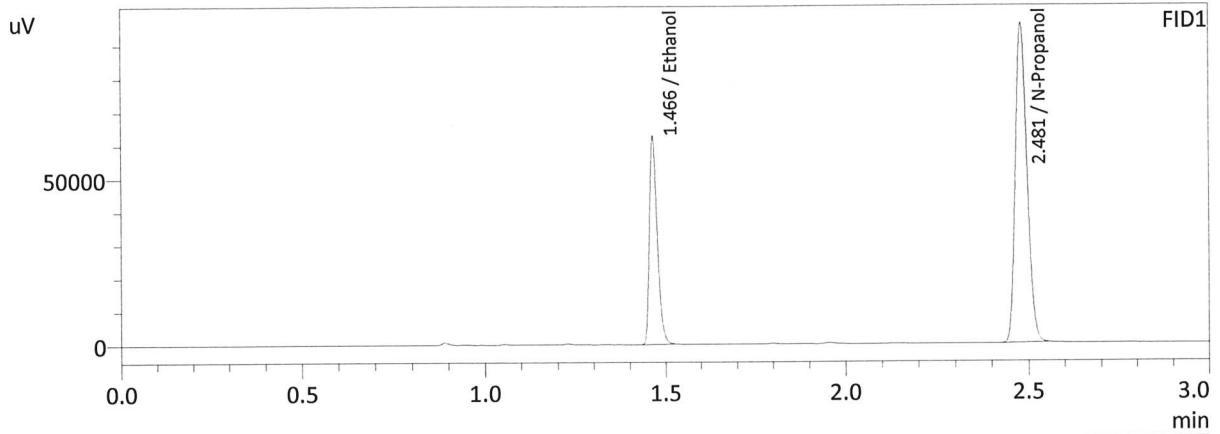
FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2074	96053	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	212267	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2078	104637	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	231634	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : QC-2-1-B
Laboratory   : Meridian
Injection Date : 10/26/2022 3:59:49 PM
Vial #   : 26
Method Filename : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
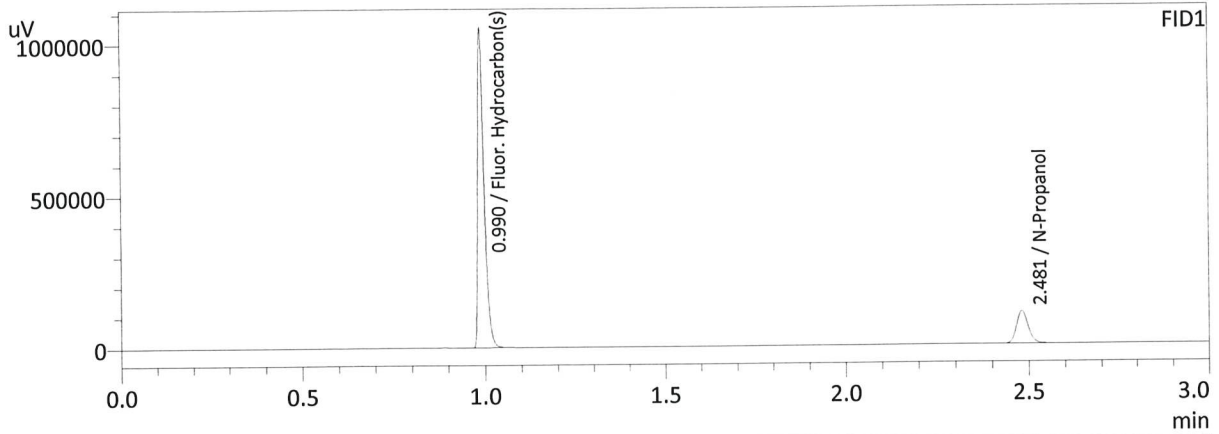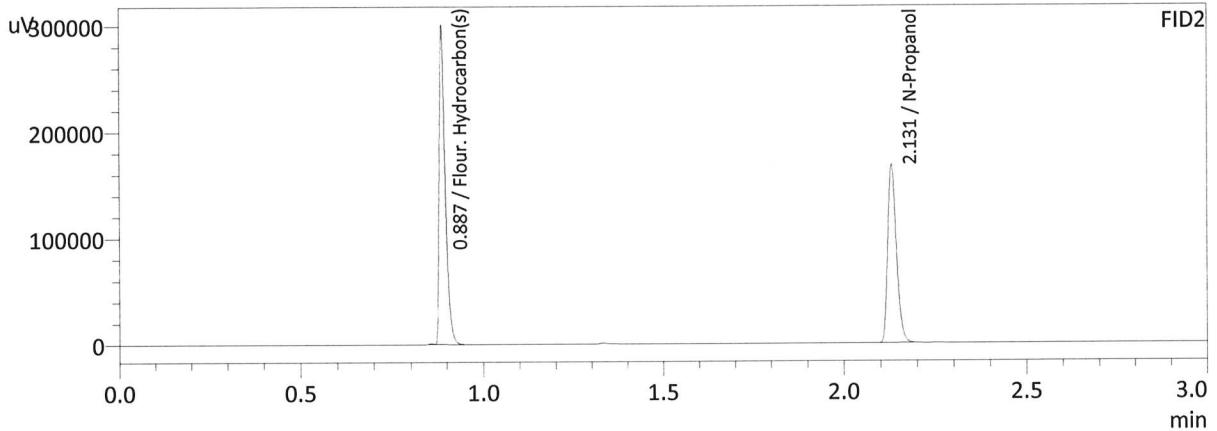Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2104	100389	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	218699	g/100cc
Fluor. Hydrocarbon(s)	--	--	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	0.2107	109390	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	238759	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

Sample Name   : DFE 1119140M
Laboratory   : Meridian
Injection Date   : 10/26/2022 7:16:12 PM
Vial #   : 50
Method Filename   : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
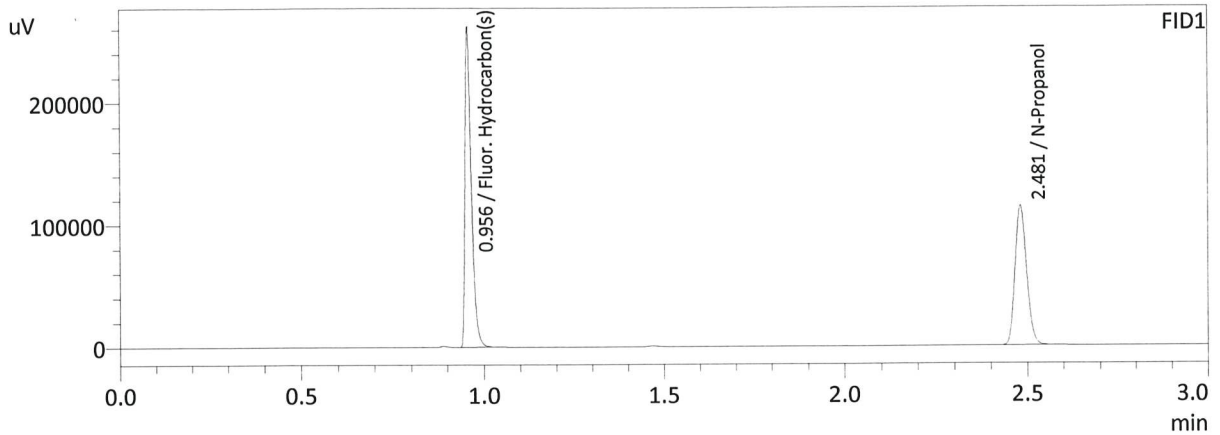Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	237276	g/100cc
Fluor. Hydrocarbon(s)	0.0000	1255562	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	259488	g/100cc
Flour. Hydrocarbon(s)	0.0000	1350264	g/100cc

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	251900	g/100cc
Fluor. Hydrocarbon(s)	0.0000	318703	g/100cc

FID2

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Acetone	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
N-Propanol	0.0000	275469	g/100cc
Flour. Hydrocarbon(s)	0.0000	347887	g/100cc

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP DEV BLA-22-02

Date of Request: 7/29/22

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

Analytical Method/Quality Standard, Revision #: **4.3.9.1.3 revision 10**

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):

Blood alcohol and other volatiles

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):
4.3.9.1.3 revision 10
Acceptable IS recovery values for samples run with a specific calibration curve must have their FID1 and FID2 IS values fall within +/- 20% of the mean values established in 4.3.9.1.1.

Request to add the word "case" between for and samples so it reads:
"Acceptable IS recovery values for **case** samples run with…"

Technical Justification for Analytical Method Deviations:
This was discussed and agreed upon in previous Alcohol Discipline meetings. This additional clarification will minimize any potential misinterpretations of the requirement.

Technical Review

☒ Departure approved
  Comments: This will work for the immediate future until the method can be updated in a permanent manner. This deviation will be in effect until 12/31/2022 when the method will be updated to reflect the new language and understanding of the internal standard monitoring.

☐ Departure Not Approved
  Comments:

Approver: Jeremy Johnston   Date: 8/3/2022
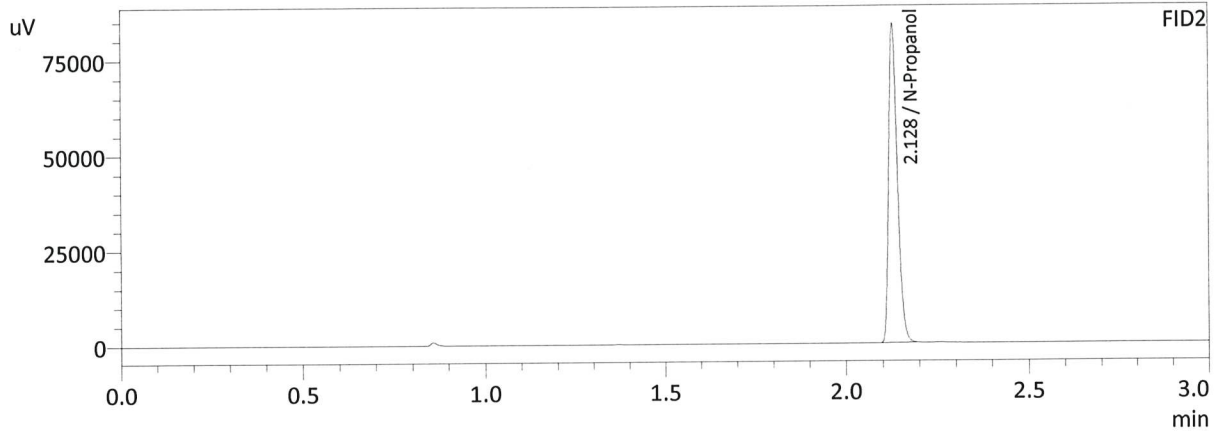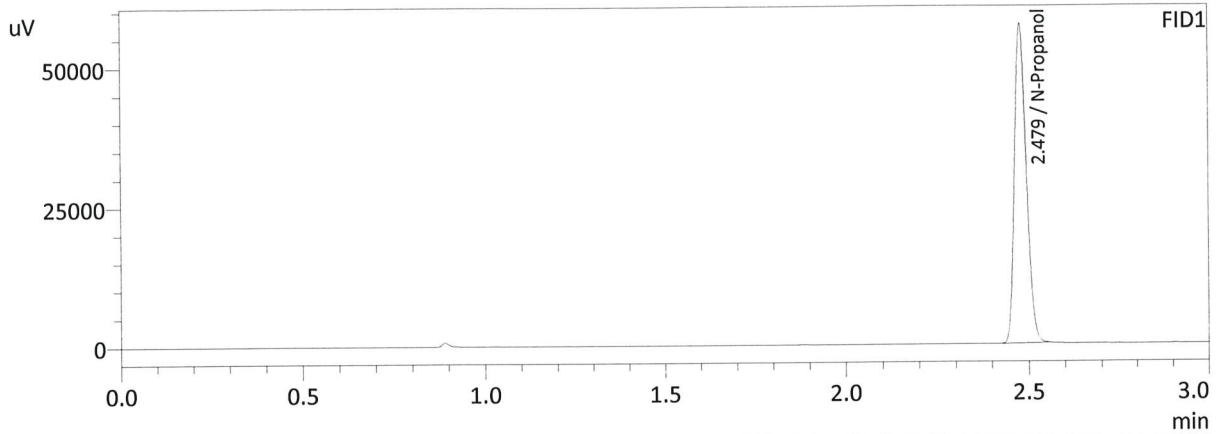Title: Volatiles Analysis Discipline Lead

Quality Review

Quality Approver: Corinna Owsley
Title: Acting Quality Manager
Date: 8/4/2022

Sample Name   : INT STD BLK 1
Laboratory   : Meridian
Injection Date   : 10/26/2022 12:38:11 PM
Vial #   : 1
Method Filename : C:\LabSolutions\Data\221026\CALIBRATION\ALCOHOL.GCM
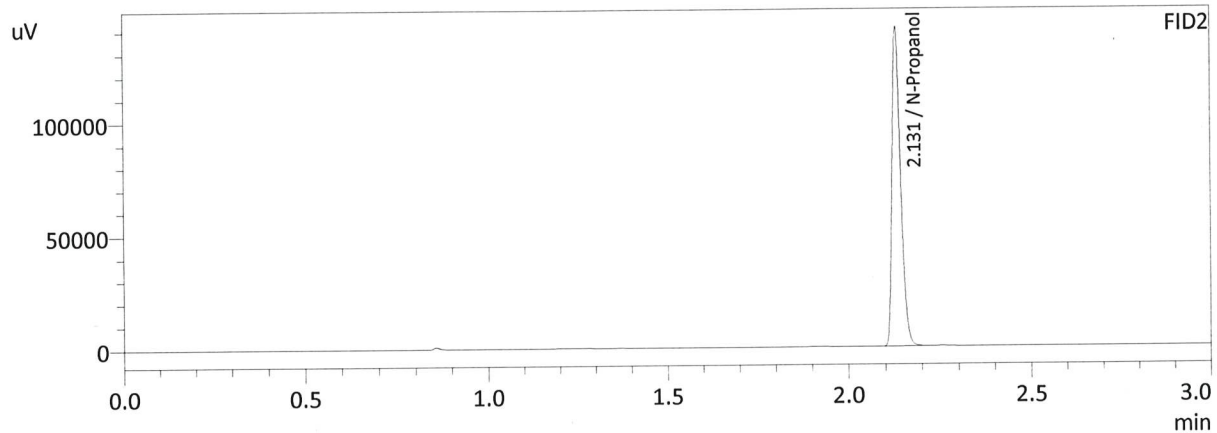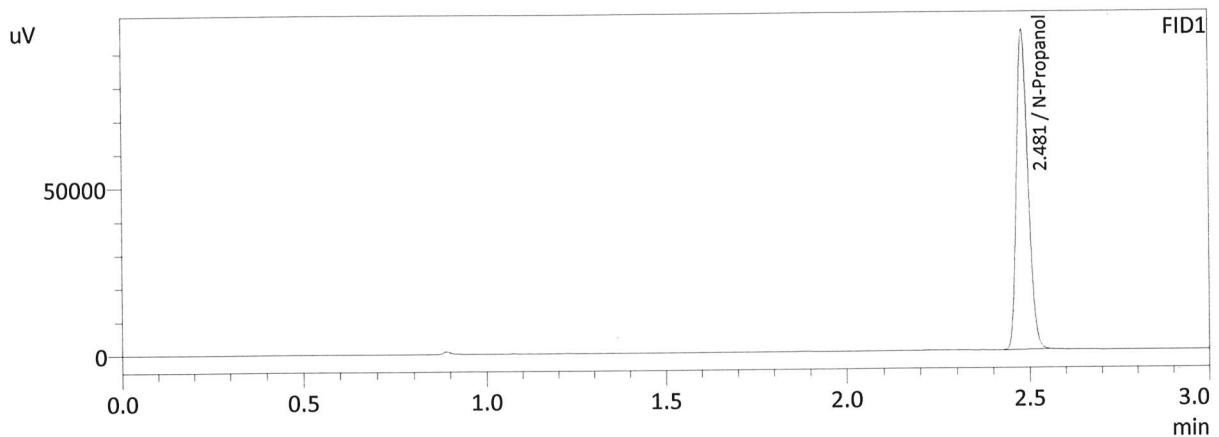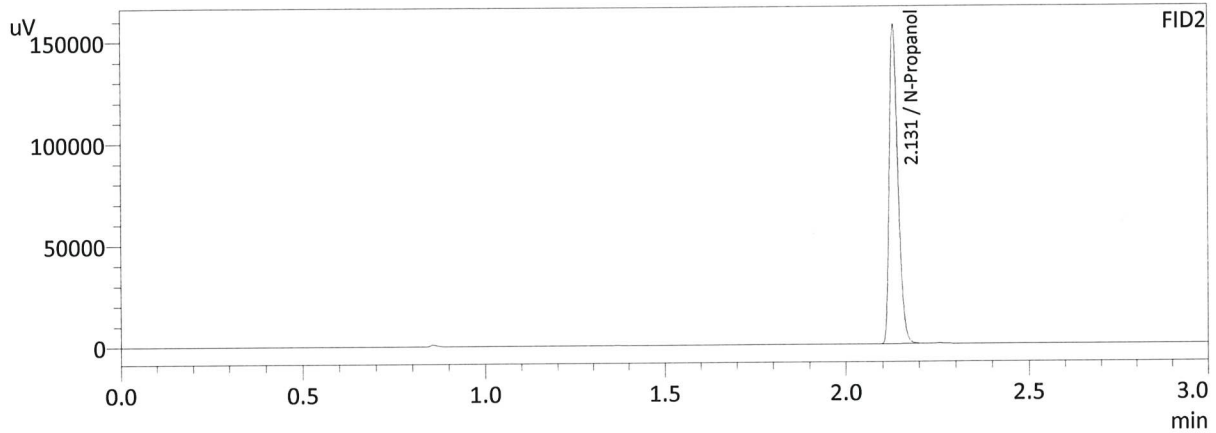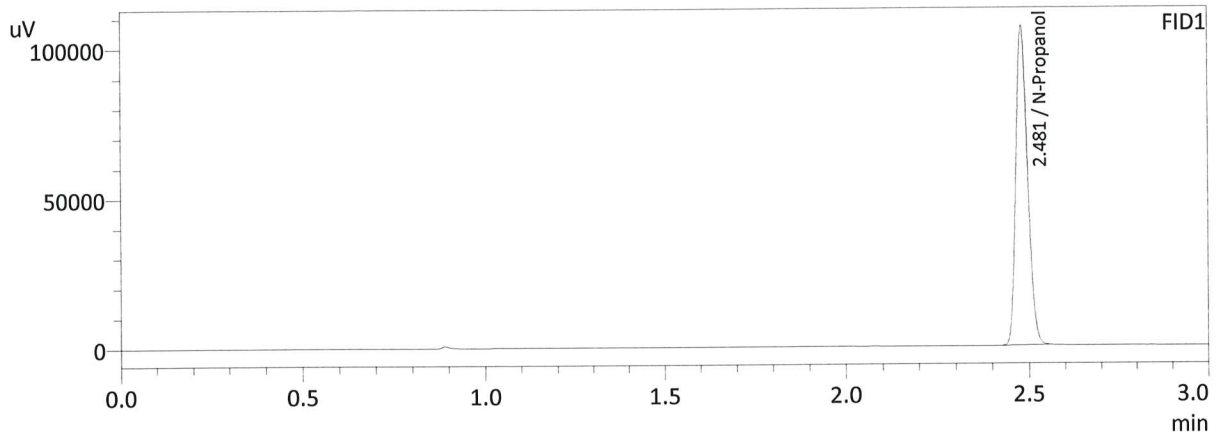Instrument #GC/HS : C12255750548 / C12595800409

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	126992	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	138534	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	211460	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	231323	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	235895	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	258012	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc

FID1

Name	Conc.	Area	Unit
Methanol	--	--	g/100cc
Ethanol	--	--	g/100cc
Isopropyl Alcohol	--	--	g/100cc
Acetone	--	--	g/100cc
N-Propanol	0.0000	234747	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	256739	g/100cc
Flour. Hydrocarbon(s)	--	--	g/100cc