Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor   Serial Number: ML600HC11378

Volatiles Quality Assurance Controls   Run Date(s): 3/12/19

Calibration Date: 3/12/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0788 g/100cc
					0.0822 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2056 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		**Sep-20**	Lot #	FN06041502	ok
Curve Fit:		Column 1	0.99999	Column2	0.99990

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0520	0.0015	0.0512
100	0.100	0.090 - 0.110	0.1002	0.1009	0.0007	0.1005
200	0.200	0.180 - 0.220	0.1999	0.1980	0.0019	0.1989
300	0.300	0.270 - 0.330	0.2986	0.2966	0.002	0.2976
500	0.500	0.450 - 0.550	0.5008	0.5024	0.0016	0.5016

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

Worklist: 3039

LAB CASE	ITEM	TASK ID	DESCRIPTION
M2019-1083	1	143359	Alcohol Analysis
M2019-1084	1	143360	Alcohol Analysis
M2019-1085	1	143364	Alcohol Analysis
M2019-1086	1	143366	Alcohol Analysis
M2019-1087	1	143367	Alcohol Analysis
M2019-1088	1	143371	Alcohol Analysis
M2019-1140	1	143750	Alcohol Analysis
M2019-1141	1	143751	Alcohol Analysis
M2019-1151	1	143776	Alcohol Analysis
M2019-1165	1	143851	Alcohol Analysis
M2019-1171	1	143885	Alcohol Analysis
M2019-1171	2	143889	Alcohol Analysis
M2019-1173	1	143911	Alcohol Analysis
M2019-1176	1	143918	Alcohol Analysis
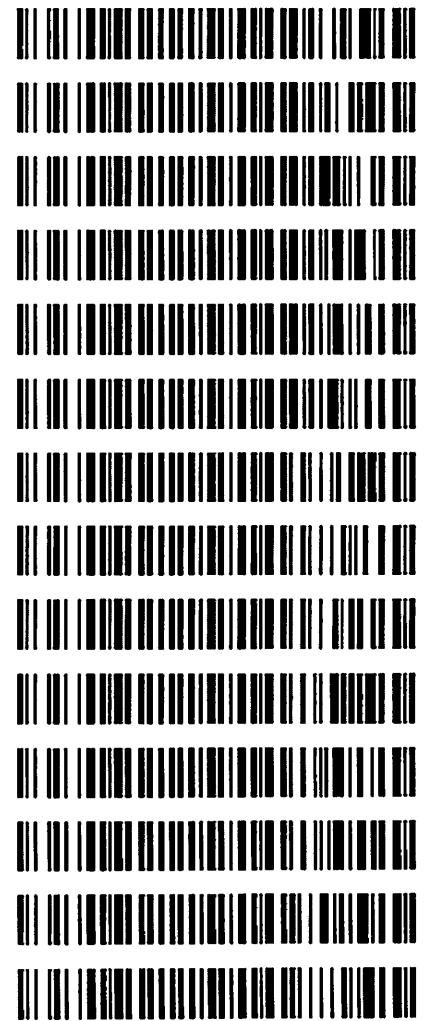
ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STD BLK 1
Laboratory   :   Meridian
Injection Date :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
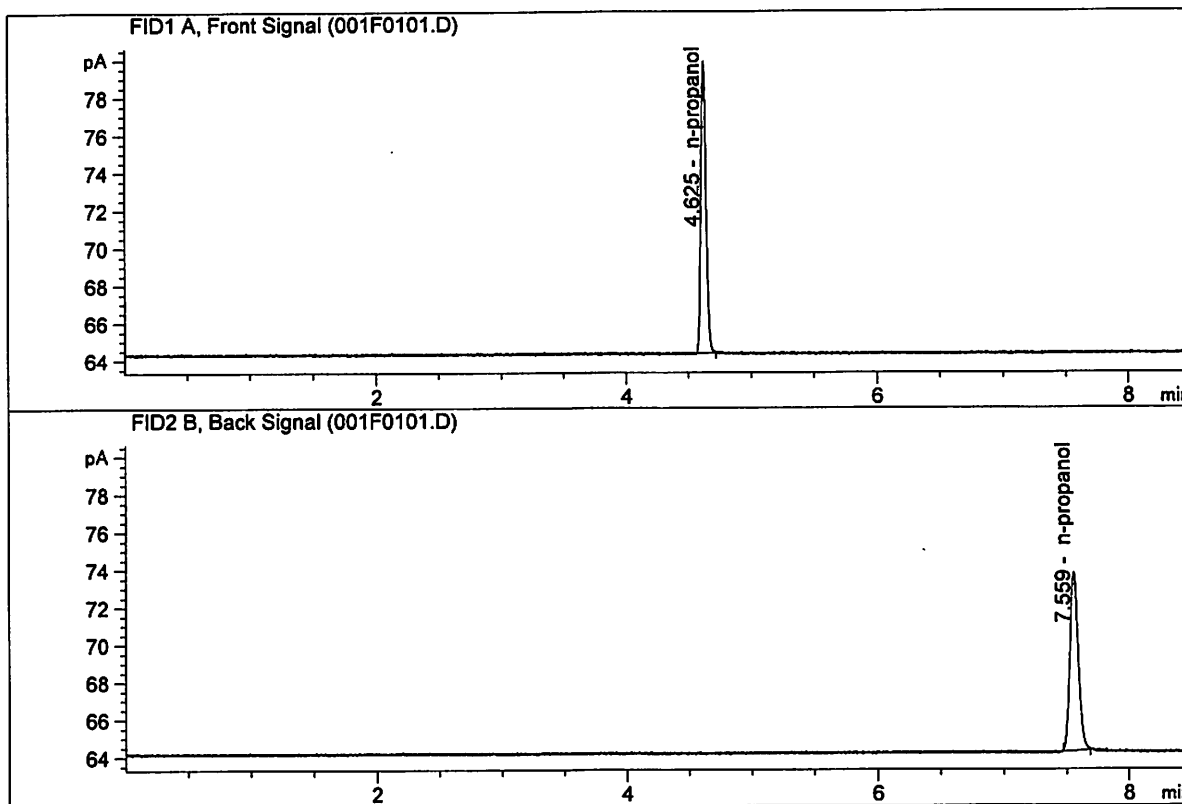
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.18241	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.59021	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   MIX VOL FN06041502
Laboratory   :   Meridian
Injection Date   :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
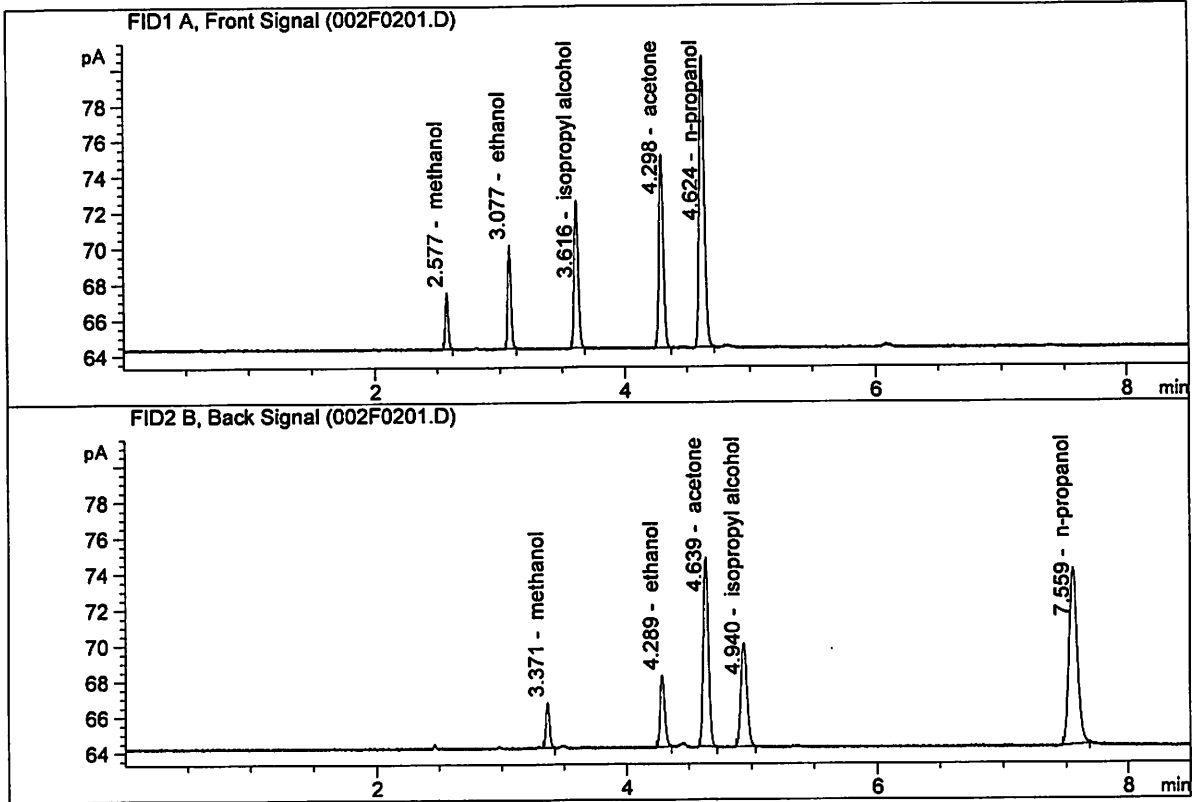
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.26934	0.1121	g/100cc
2.	Ethanol	Column 2:	10.50204	0.1117	g/100cc
3.	n-Propanol	Column 1:	45.98075	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.09402	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1   **Analysis Date(s): 12 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0788	0.0791	0.0003	0.0789	0.0788	
(g/100cc)	0.0789	0.0786	0.0003	0.0787		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-1-A
Laboratory   :   Meridian
Injection Date   :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
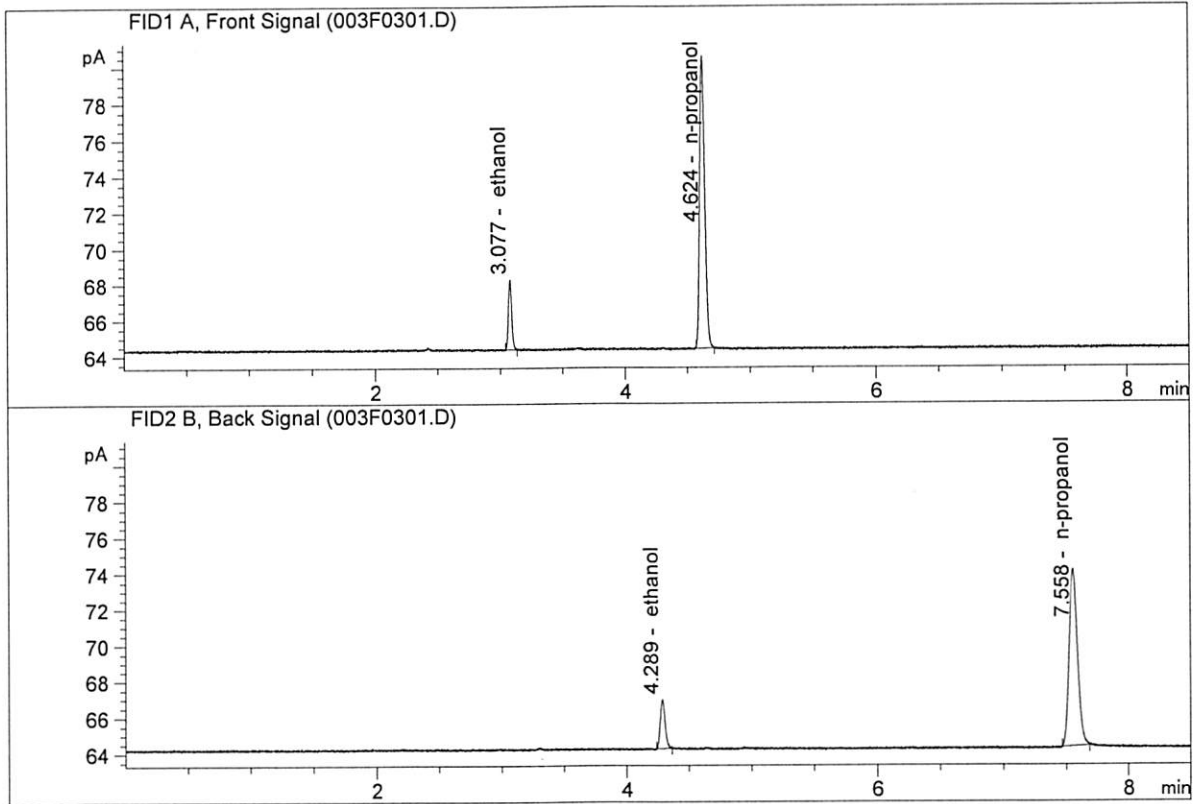
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16524	0.0788	g/100cc
2.	Ethanol	Column 2:	7.25761	0.0791	g/100cc
3.	n-Propanol	Column 1:	45.85963	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.81985	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-1-B
Laboratory       :   Meridian
Injection Date   :   Mar 12, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (004F0401.D)

FID2 B, Back Signal (004F0401.D)
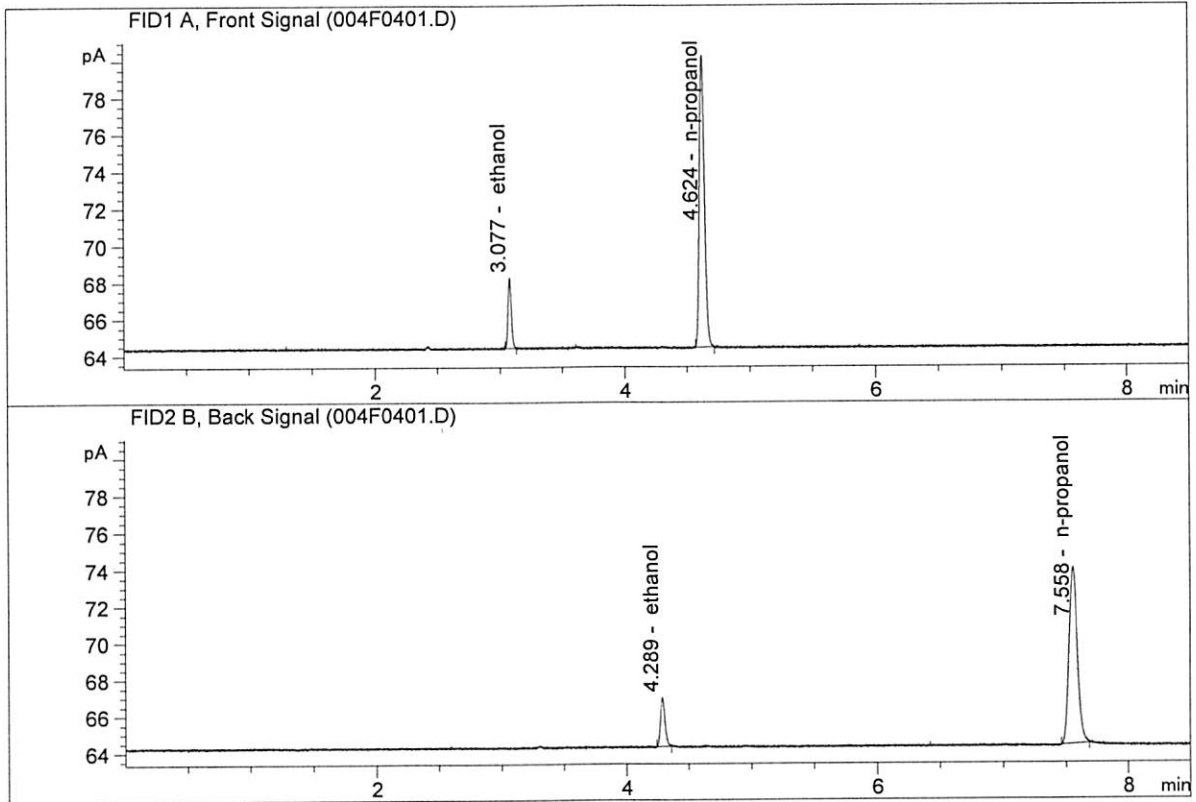
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.06315	0.0789	g/100cc
2.	Ethanol	Column 2:	7.11671	0.0786	g/100cc
3.	n-Propanol	Column 1:	45.15510	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.18613	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701   **Analysis Date(s): 12 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0811	0.0807	0.0004	0.0809	0.0811	
(g/100cc)	0.0810	0.0818	0.0008	0.0814		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

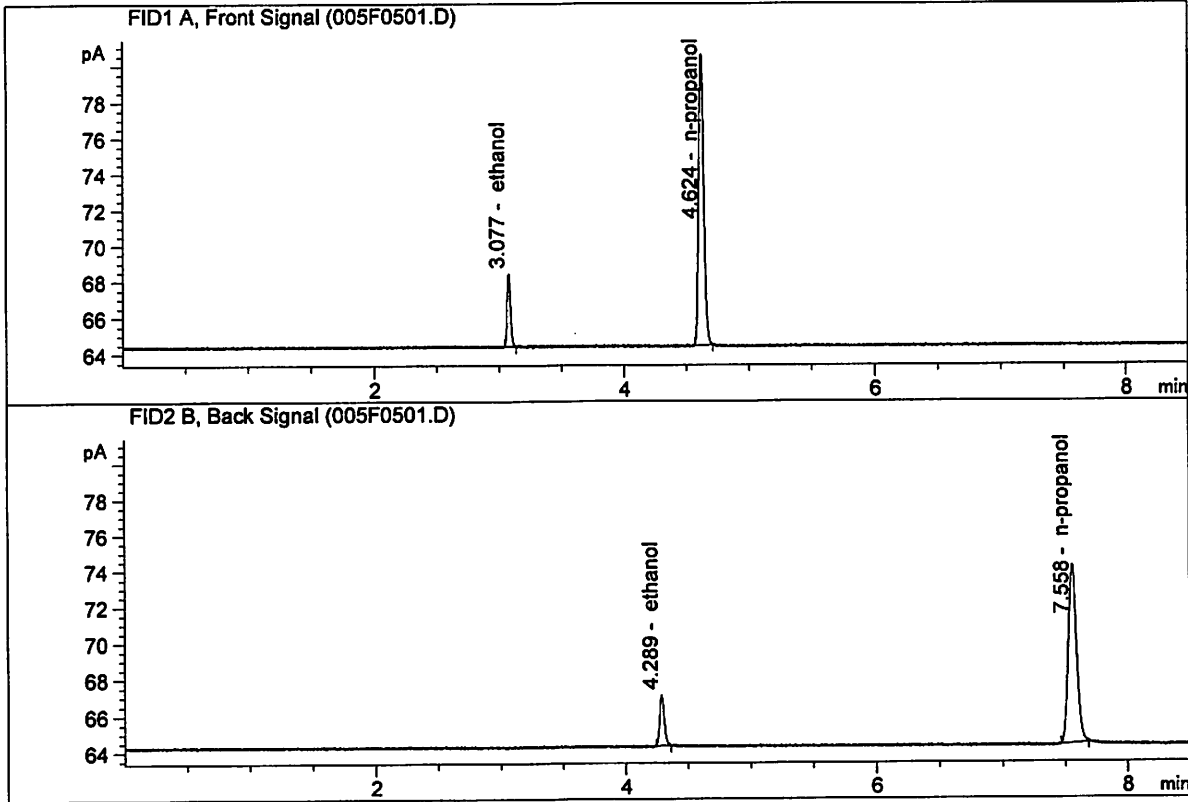## Reporting of Results   Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.08 FN04171701-A
Laboratory       :   Meridian
Injection Date   :   Mar 12, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (005F0501.D)

3.077 - ethanol
4.624 - n-propanol

FID2 B, Back Signal (005F0501.D)

4.289 - ethanol
7.558 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.38229	0.0811	g/100cc
2.	Ethanol	Column 2:	7.44423	0.0807	g/100cc
3.	n-Propanol	Column 1:	45.88372	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.96952	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.08 FN04171701-B
Laboratory       :    Meridian
Injection Date   :    Mar 12, 2019
Method           :    ALCOHOL.M
Acq. Instrument  :    CN11180014-CN11041167
```
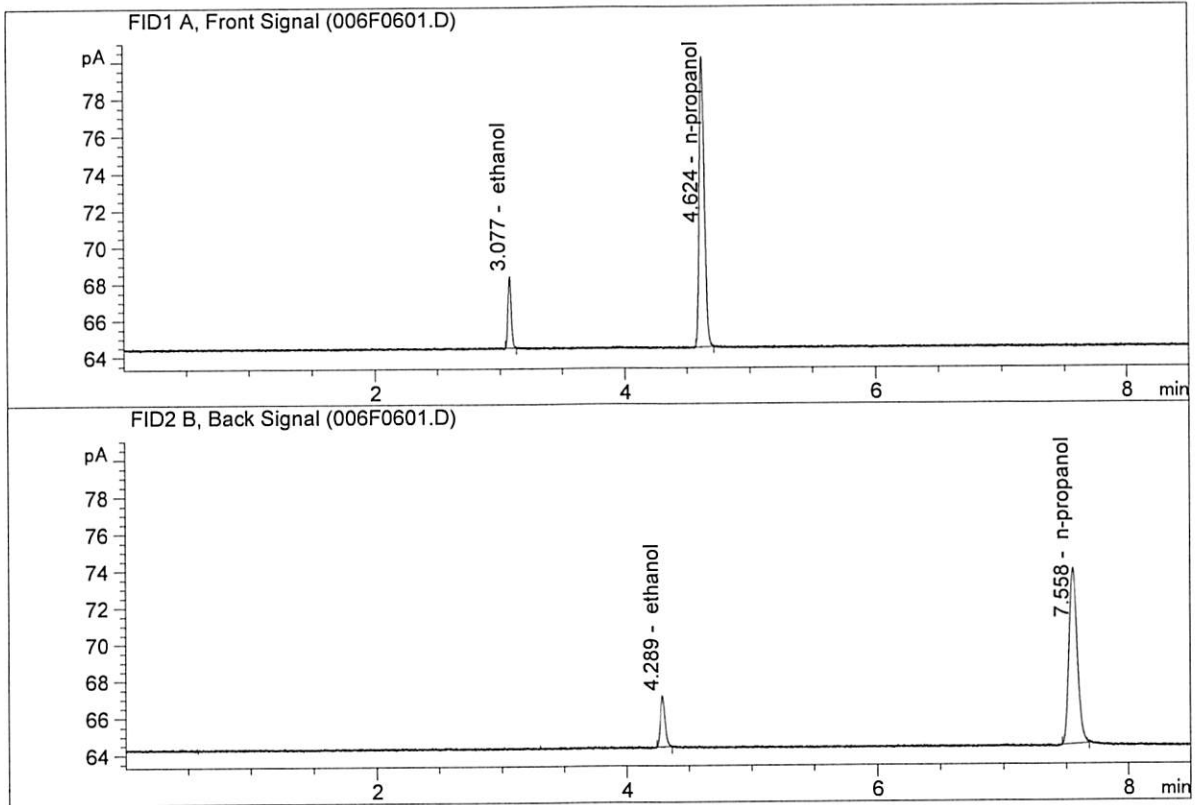

FID1 A, Front Signal (006F0601.D)

FID2 B, Back Signal (006F0601.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.21269	0.0810	g/100cc
2.	Ethanol	Column 2:	7.34563	0.0818	g/100cc
3.	n-Propanol	Column 1:	44.86608	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.73645	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1　　　　**Analysis Date(s): 12 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2054	0.2060	0.0006	0.2057	0.2056	
(g/100cc)	0.2055	0.2055	0.0000	0.2055		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information　　　　　*Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.205	0.194	0.216	0.011

	Reported Result	
	0.205	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC2-1-A
Laboratory       :   Meridian
Injection Date   :   Mar 12, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (025F2501.D)

FID2 B, Back Signal (025F2501.D)
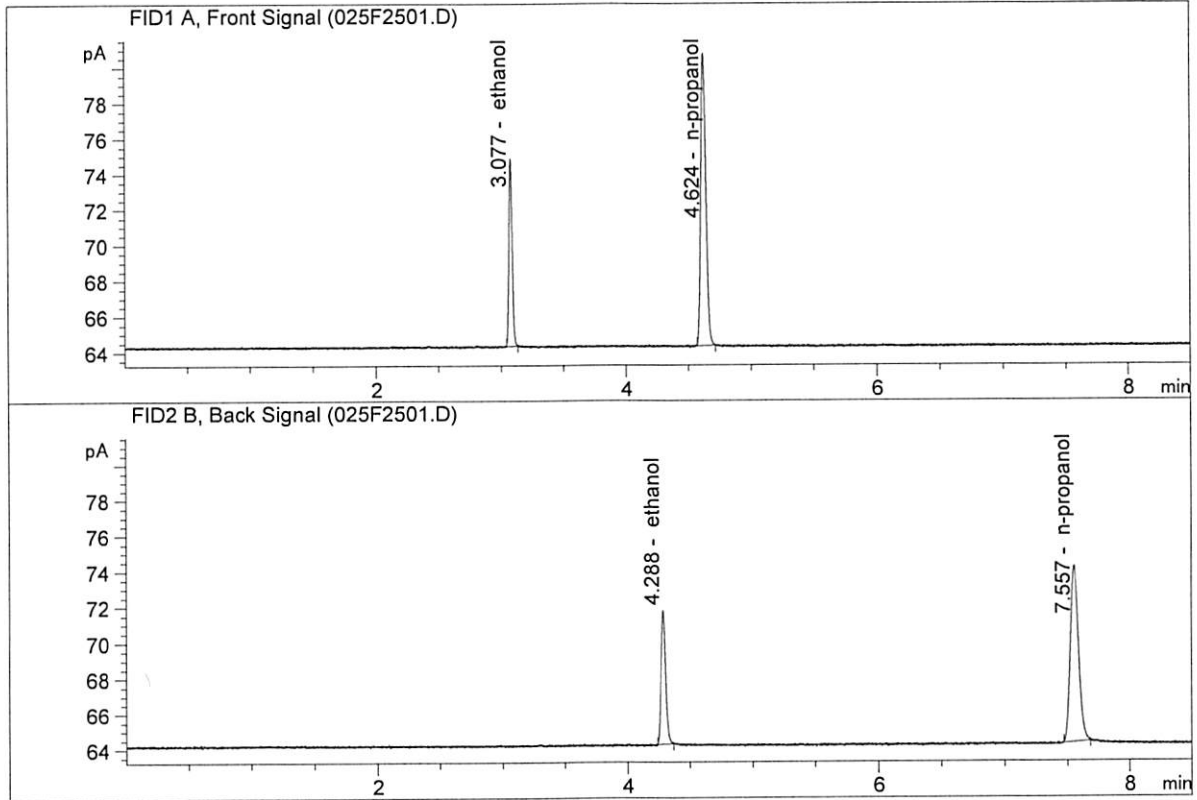
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.20090	0.2054	g/100cc
2.	Ethanol	Column 2:	19.92497	0.2060	g/100cc
3.	n-Propanol	Column 1:	46.65106	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.48615	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   : QC2-1-B
Laboratory   : Meridian
Injection Date   : Mar 12, 2019
Method   : ALCOHOL.M
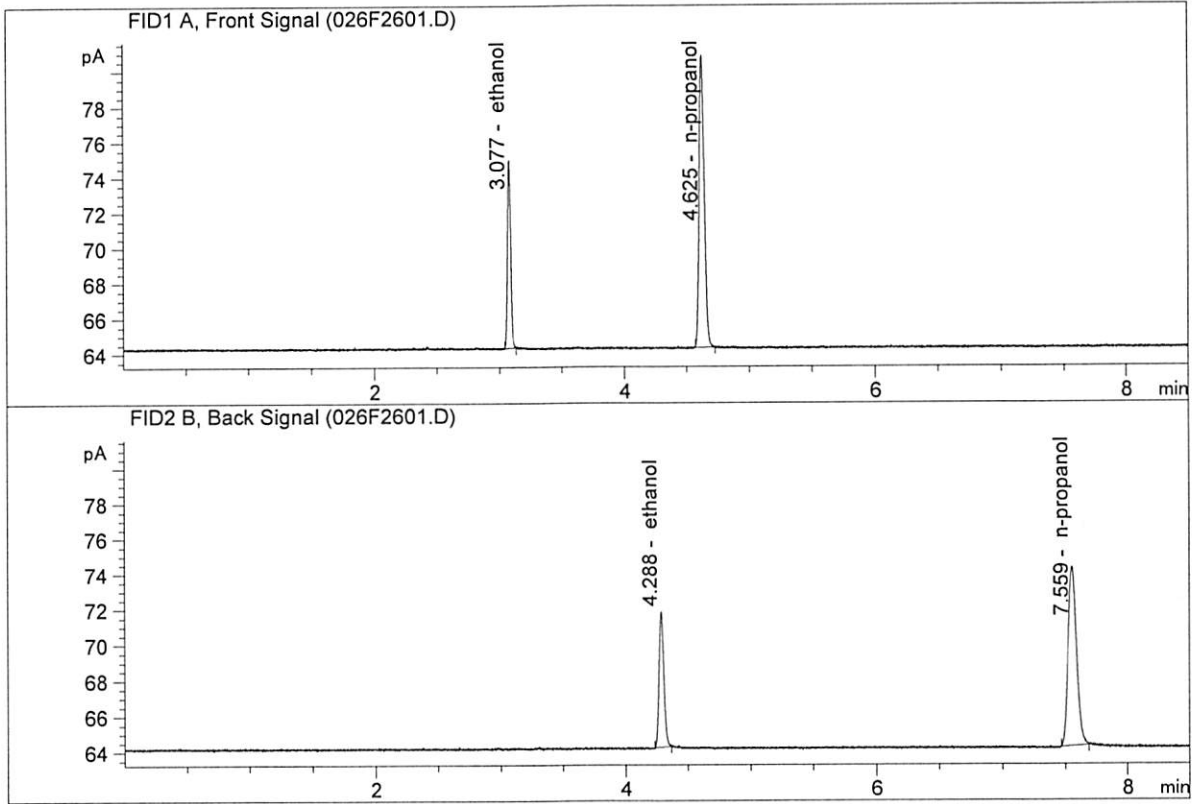Acq. Instrument : CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.36777	0.2055	g/100cc
2.	Ethanol	Column 2:	20.07141	0.2055	g/100cc
3.	n-Propanol	Column 1:	47.03031	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.95298	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s): 12 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0824	0.0828	0.0004	0.0826	0.0822	
(g/100cc)	0.0817	0.0821	0.0004	0.0819		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

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

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-2-A
Laboratory   :   Meridian
Injection Date   :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
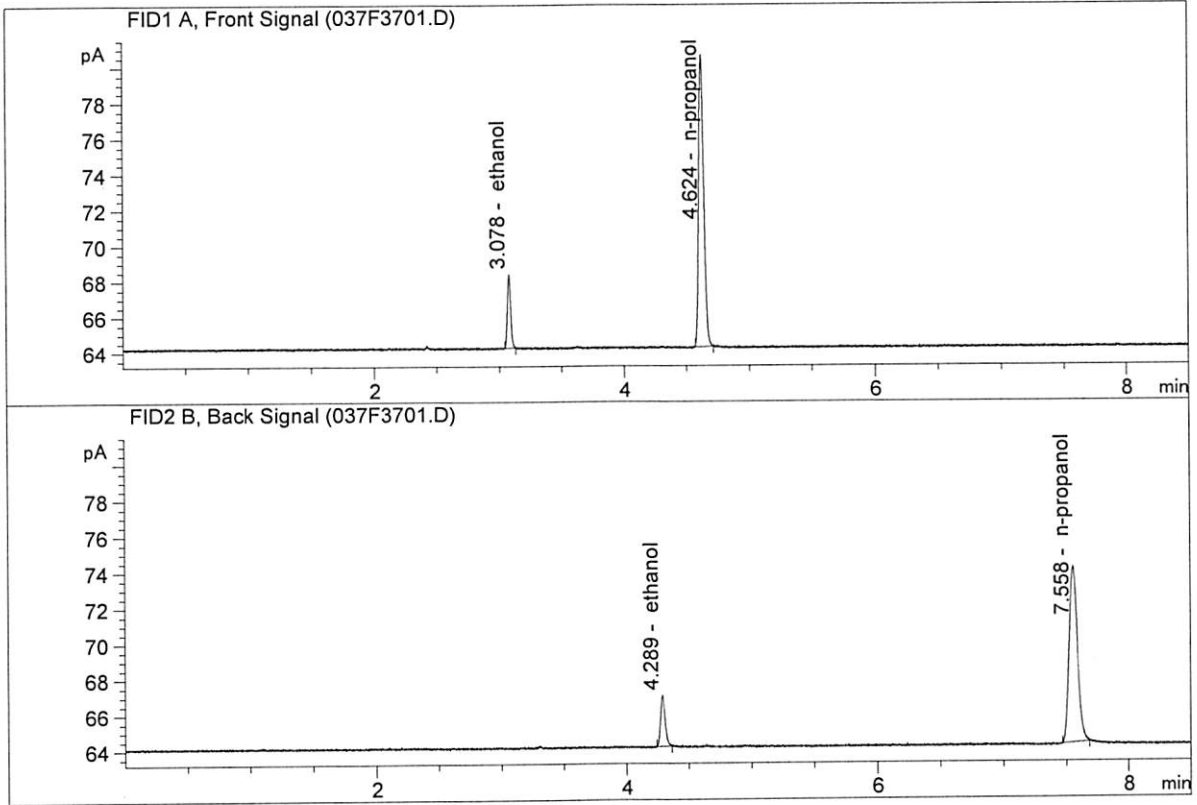
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.59734	0.0824	g/100cc
2.	Ethanol	Column 2:	7.72225	0.0828	g/100cc
3.	n-Propanol	Column 1:	46.46657	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.43099	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-2-B
Laboratory   :   Meridian
Injection Date   :   Mar 12, 2019
Method   :   ALCOHOL.M
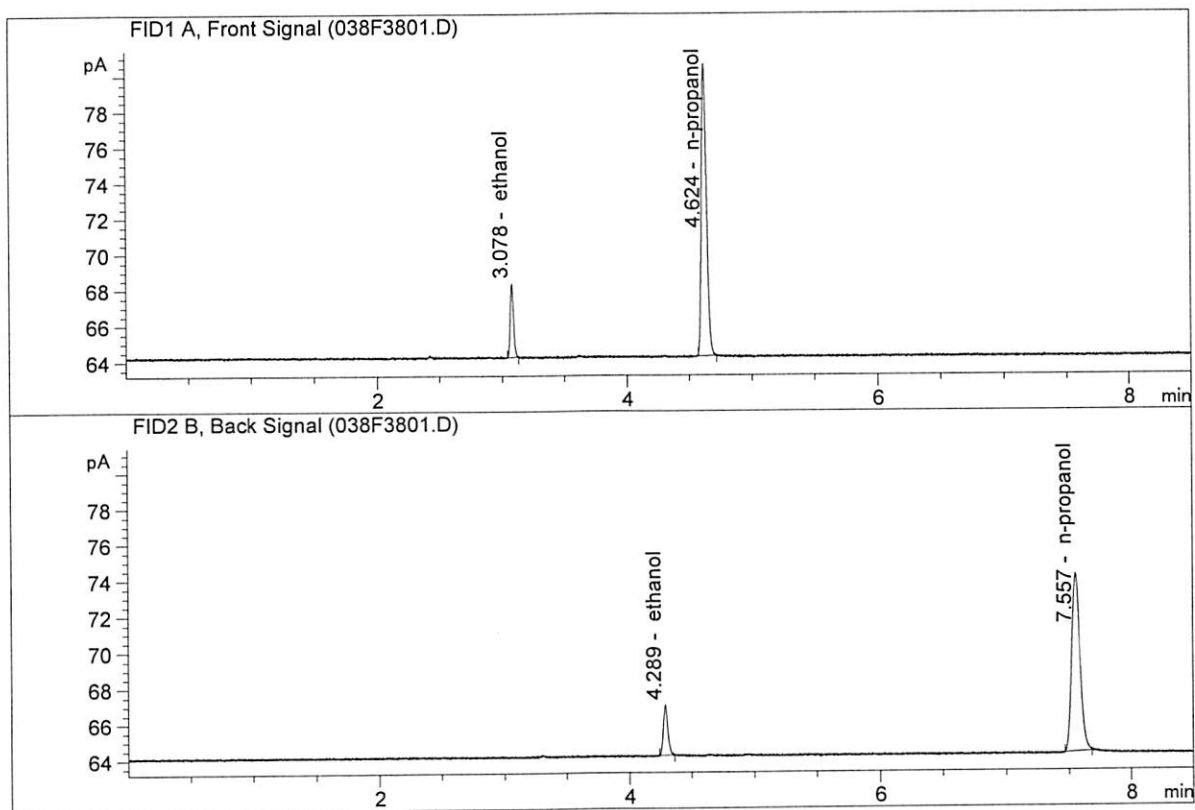Acq. Instrument: CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.52003	0.0817	g/100cc
2.	Ethanol	Column 2:	7.63696	0.0821	g/100cc
3.	n-Propanol	Column 1:	46.40688	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.31805	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STD BLK
Laboratory   :   Meridian
Injection Date   :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
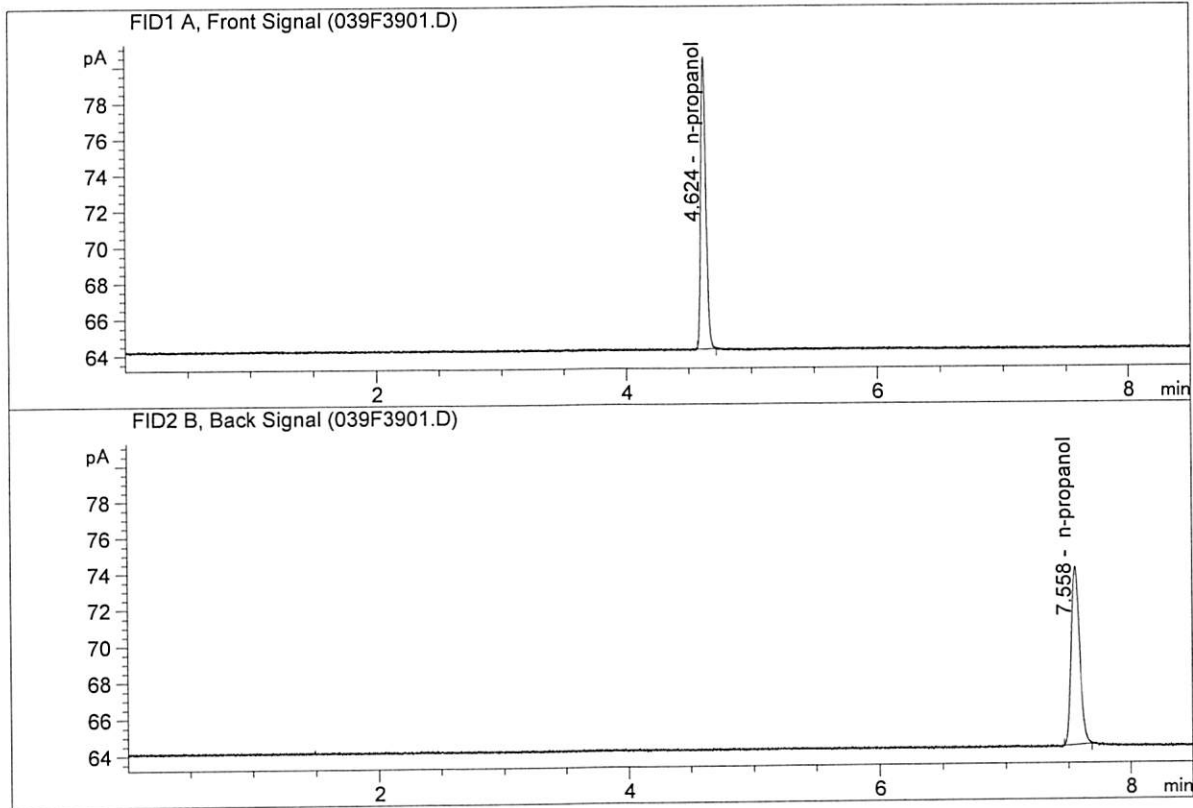
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.09169	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.09800	1.0000	g/100cc

S a m p l e   S u m m a r y

Sequence table: C:\Chem32\1\Data\03-12-19_SAMPLES\03-12-19_SAMPLES 2019-03-12 13-04-16\03
                       12-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\03-12-19_SAMPLES\03-12-19_SAMPLES 2019-03-12 13-04-16\
Logbook: C:\Chem32\1\Data\03-12-19_SAMPLES\03-12-19_SAMPLES 2019-03-12 13-04-16\03
                       12-19_SAMPLES.LOG
Sequence start: 3/12/2019 1:19:00 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\03-12-19_SAMPLES\03-12-19_SAMPLES 2019-03-12 13-04-16
                       \ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2019-1083-1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-1083-1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-1084-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-1084-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-1085-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-1085-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-1086-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-1086-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-1087-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-1087-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-1088-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-1088-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-1140-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-1140-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-1141-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-1141-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-1151-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-1151-1-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2019-1165-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-1165-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-1171-1-A	-	1.0000	029F2901.D		2
30	30	1	M2019-1171-1-B	-	1.0000	030F3001.D		2
31	31	1	M2019-1171-2-A	-	1.0000	031F3101.D		2
32	32	1	M2019-1171-2-B	-	1.0000	032F3201.D		2
33	33	1	M2019-1173-1-A	-	1.0000	033F3301.D		2
34	34	1	M2019-1173-1-B	-	1.0000	034F3401.D		2
35	35	1	M2019-1176-1-A	-	1.0000	035F3501.D		2
36	36	1	M2019-1176-1-B	-	1.0000	036F3601.D		2
37	37	1	QC1-2-A	-	1.0000	037F3701.D		4
38	38	1	QC1-2-B	-	1.0000	038F3801.D		4
39	39	1	INTERNAL STD BLK	-	1.0000	039F3901.D		2

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Method file name: C:\Chem32\1\Data\03-12-19_SAMPLES\03-12-19_SAMPLES 2019-03-12 13-04-16
                      \SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
40	40	1	EMPTY	-	1.0000	040F4001.D		0

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Method C:\CHEM32\1\METHODS\ALCOHOL.M

```
=====================================================================
                       Calibration Table
=====================================================================


---------------------------------------------------------------------
                   General Calibration Setting
---------------------------------------------------------------------

Calib. Data Modified  :     Tuesday, March 12, 2019 11:40:00 AM
Signals calculated separately :     No


Rel. Reference Window :     0.000 %
Abs. Reference Window :     0.100 min
Rel. Non-ref. Window  :     0.000 %
Abs. Non-ref. Window  :     0.100 min
Uncalibrated Peaks    :     not reported
Partial Calibration   :     Yes, identified peaks are recalibrated
Correct All Ret. Times:     No, only for identified peaks

Curve Type            :     Linear
Origin                :     Ignored
Weight                :     Equal

Recalibration Settings:
Average Response      :     Average all calibrations
Average Retention Time:     Floating Average New 75%

Calibration Report Options :
    Printout of recalibrations within a sequence:
        Calibration Table after Recalibration
        Normal Report after Recalibration
    If the sequence is done with bracketing:
        Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):
ISTD  ISTD Amount   Name
 #    [g/100cc]
----|-------------|-------------------------
 1      1.00000    n-propanol
 2      1.00000    n-propanol


---------------------------------------------------------------------



---------------------------------------------------------------------
                        Signal Details
---------------------------------------------------------------------


Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal


---------------------------------------------------------------------



---------------------------------------------------------------------
                        Overview Table
---------------------------------------------------------------------
```

Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No	1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No	2	Acetaldehyde
3.075	1	1	5.00000e-2	4.64287	1.07692e-2	No	No	1	ethanol
		2	1.00000e-1	9.10676	1.09809e-2				
		3	2.00000e-1	18.56130	1.07751e-2				
		4	3.00000e-1	28.13410	1.06632e-2				
		5	5.00000e-1	46.63319	1.07220e-2				
3.388	2	1	1.00000	4.26062	2.34707e-1	No	No	2	methanol
3.628	1	1	1.00000	9.73055	1.02769e-1	No	No	1	isopropyl alcohol
4.285	2	1	5.00000e-2	4.81424	1.03859e-2	No	No	2	ethanol
		2	1.00000e-1	9.46288	1.05676e-2				
		3	2.00000e-1	19.23005	1.04004e-2				
		4	3.00000e-1	29.47364	1.01786e-2				
		5	5.00000e-1	49.23058	1.01563e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	46.79913	2.13679e-2	No	Yes	1	n-propanol
		2	1.00000	45.64211	2.19096e-2				
		3	1.00000	46.35600	2.15722e-2				
		4	1.00000	46.92826	2.13091e-2				
		5	1.00000	46.30038	2.15981e-2				
4.661	2	1	1.00000	6.89301	1.45075e-1	No	No	2	acetone
4.969	2	1	1.00000	10.70642	9.34019e-2	No	No	2	isopropyl alcohol
7.550	2	1	1.00000	48.84148	2.04744e-2	No	Yes	2	n-propanol
		2	1.00000	47.17896	2.11959e-2				
		3	1.00000	47.72889	2.09517e-2				
		4	1.00000	48.43840	2.06448e-2				
		5	1.00000	47.45498	2.10726e-2				

Peak Sum Table

No Entries in table

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1 Warnings or Errors :

Warning : Curve requires more calibration points., (methanol)

==
Calibration Curves
==
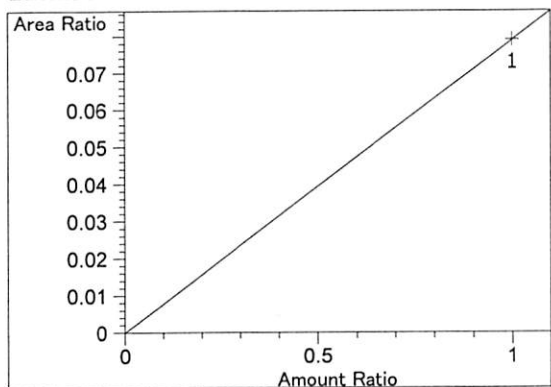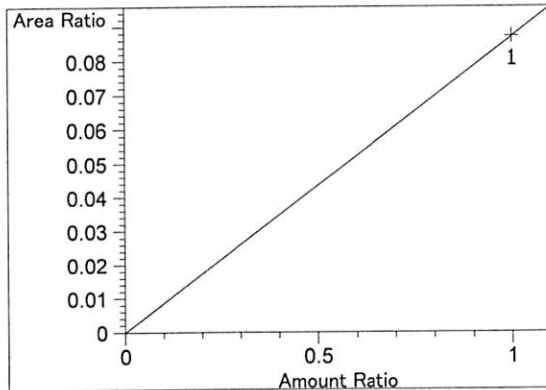

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
      m: 7.89907e-2
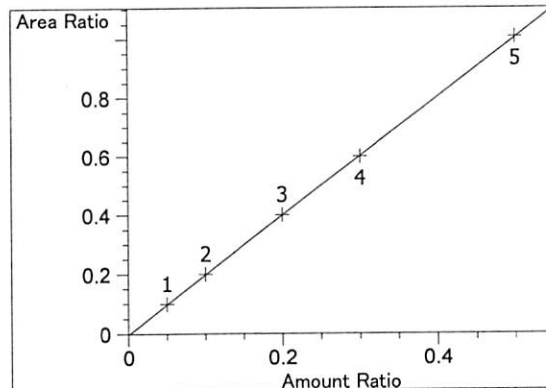   b: 0.00000
      x: Amount Ratio
      y: Area Ratio

Method C:\CHEM32\1\METHODS\ALCOHOL.M
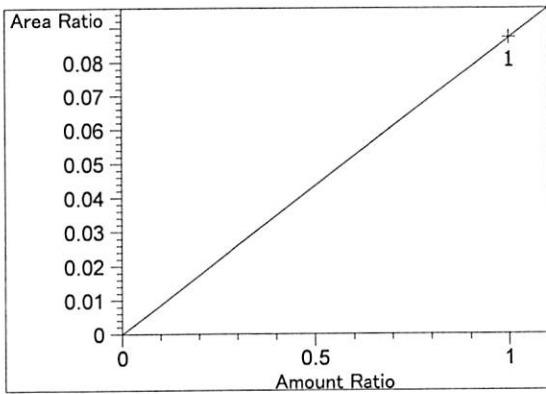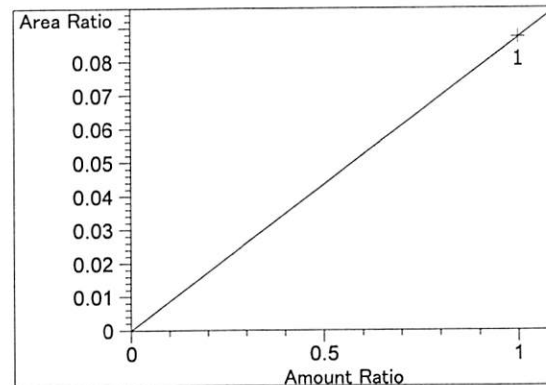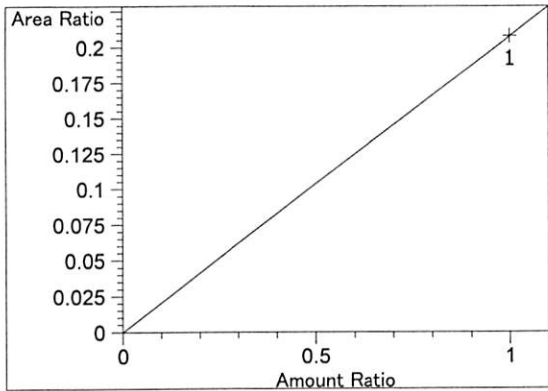

Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 8.72414e-2
        b: 0.00000
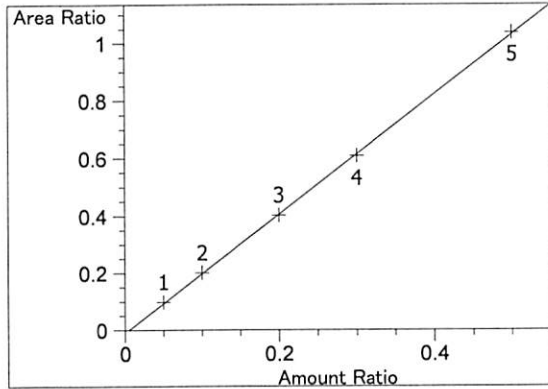   x: Amount Ratio
        y: Area Ratio

Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 8.72414e-2
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.:   0.00197
Formula: y = mx + b
        m: 2.01640
        b: -2.60244e-3
        x: Amount Ratio
        y: Area Ratio

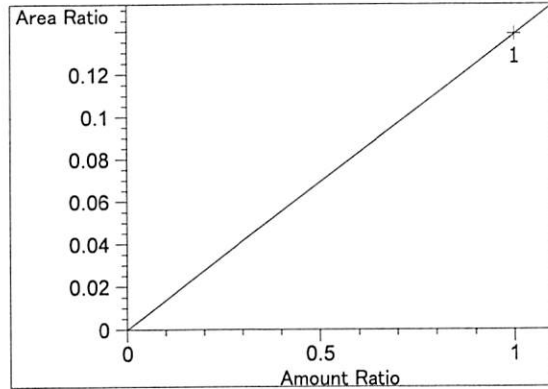methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 8.72337e-2
        b: 0.00000
        x: Amount Ratio
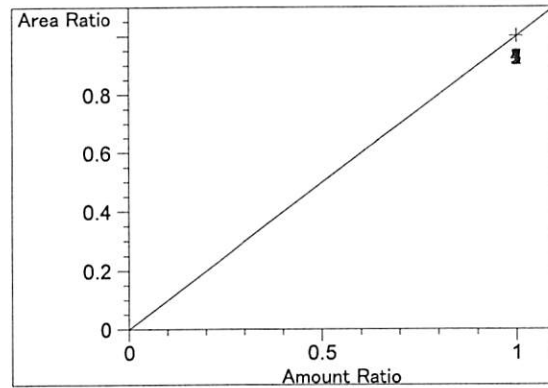   y: Area Ratio

isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 2.07922e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99990
Residual Std. Dev.:   0.00614
Formula: y = mx + b
        m: 2.08431
        b: -9.80401e-3
        x: Amount Ratio
        y: Area Ratio
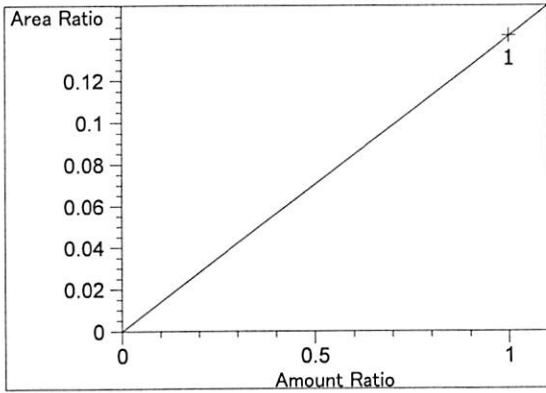

acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.38879e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio
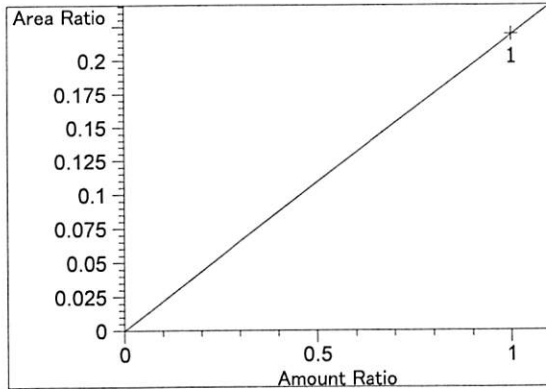

n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.00000
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

Method C:\CHEM32\1\METHODS\ALCOHOL.M
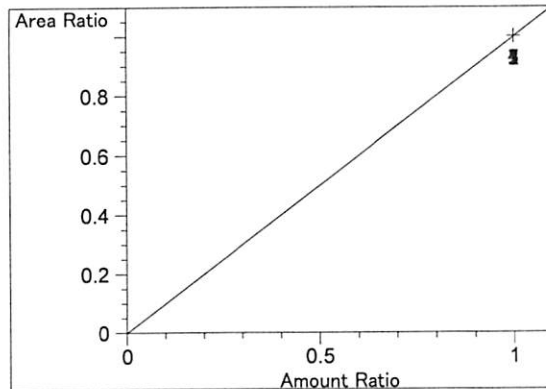

acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.41130e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 2.19207e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

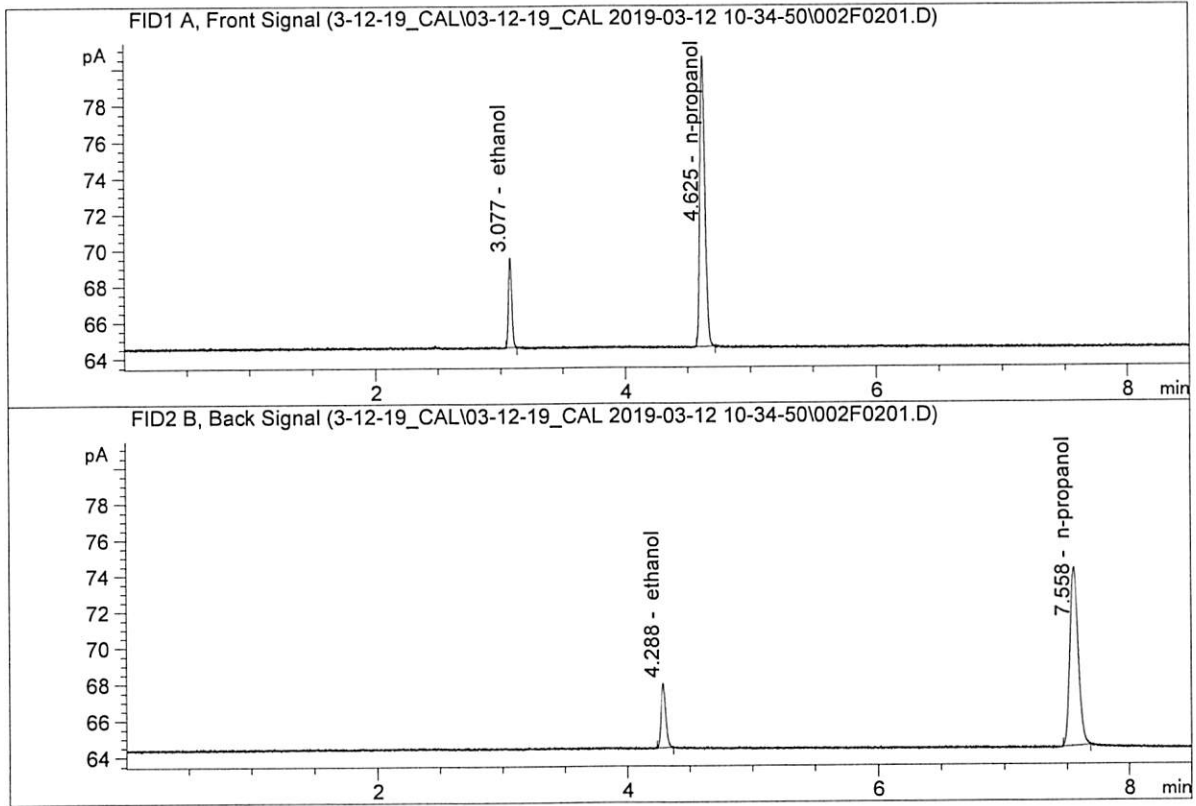n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.00000
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

==

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.100 FN08101601
Laboratory       :    Meridian
Injection Date   :    Mar 12, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN11180014-CN11041167
```


FID1 A, Front Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\002F0201.D)

FID2 B, Back Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.10676	0.1002	g/100cc
2.	Ethanol	Column 2:	9.46288	0.1009	g/100cc
3.	n-Propanol	Column 1:	45.64211	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.17896	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.200 FN03301601
Laboratory   :   Meridian
Injection Date :   Mar 12, 2019
Method   :   ALCOHOL.M
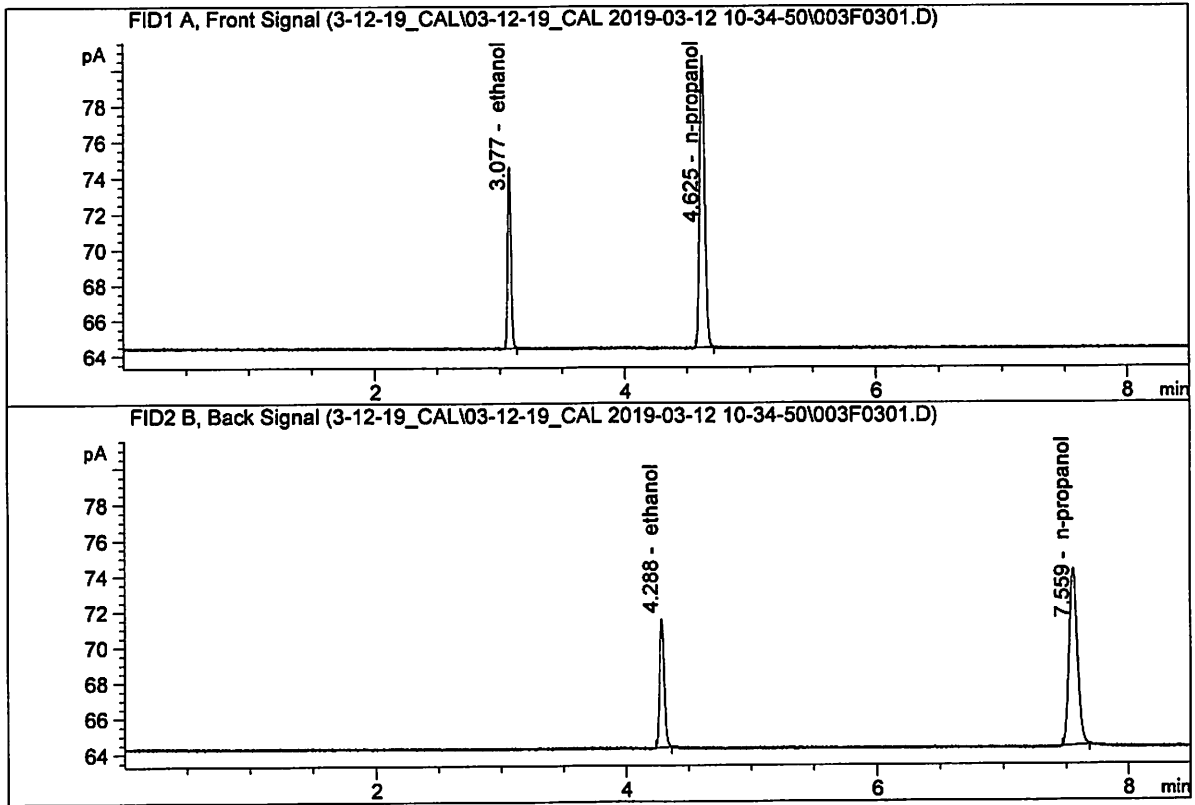Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\003F0301.D)

FID2 B, Back Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\003F0301.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56130	0.1999	g/100cc
2.	Ethanol	Column 2:	19.23005	0.1980	g/100cc
3.	n-Propanol	Column 1:	46.35600	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.72889	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report
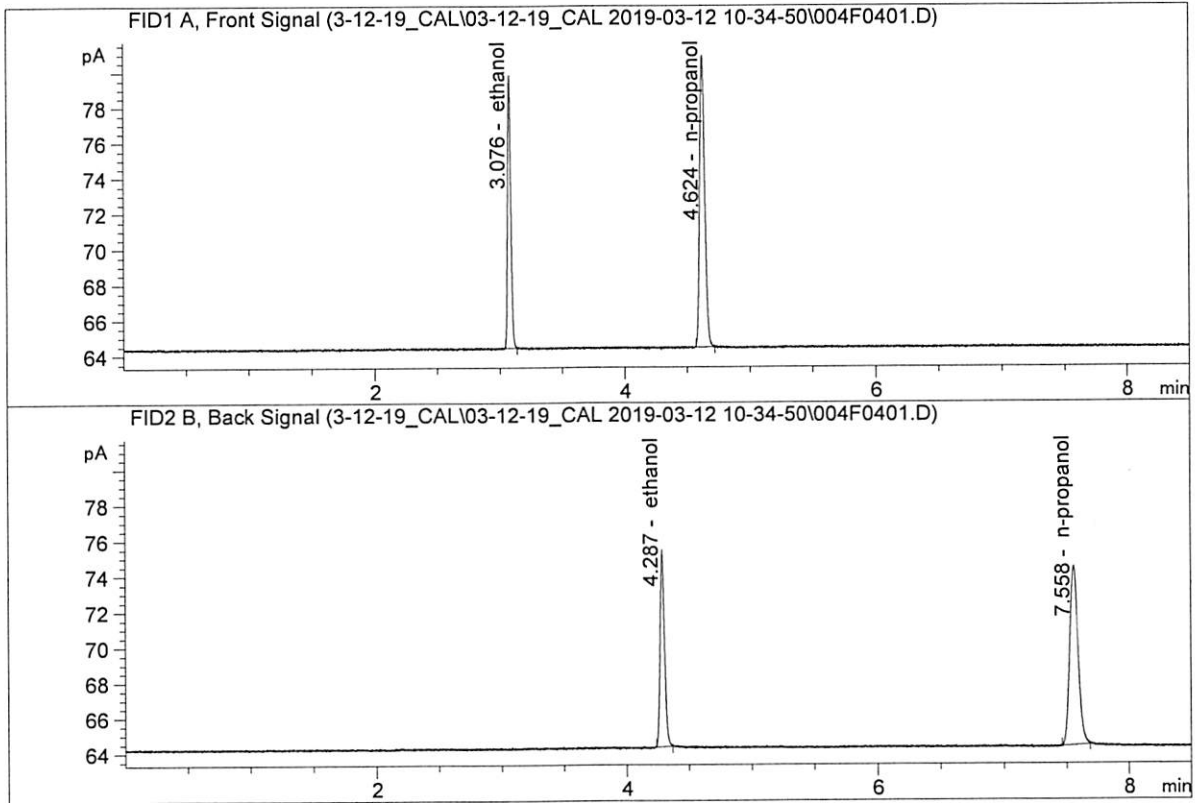
Sample Name   :   0.300 FN02121601
Laboratory   :   Meridian
Injection Date :   Mar 12, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\004F0401.D)

FID2 B, Back Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\004F0401.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.13410	0.2986	g/100cc
2.	Ethanol	Column 2:	29.47364	0.2966	g/100cc
3.	n-Propanol	Column 1:	46.92826	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.43840	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.500 FN08031602
Laboratory      :   Meridian
Injection Date  :   Mar 12, 2019
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```
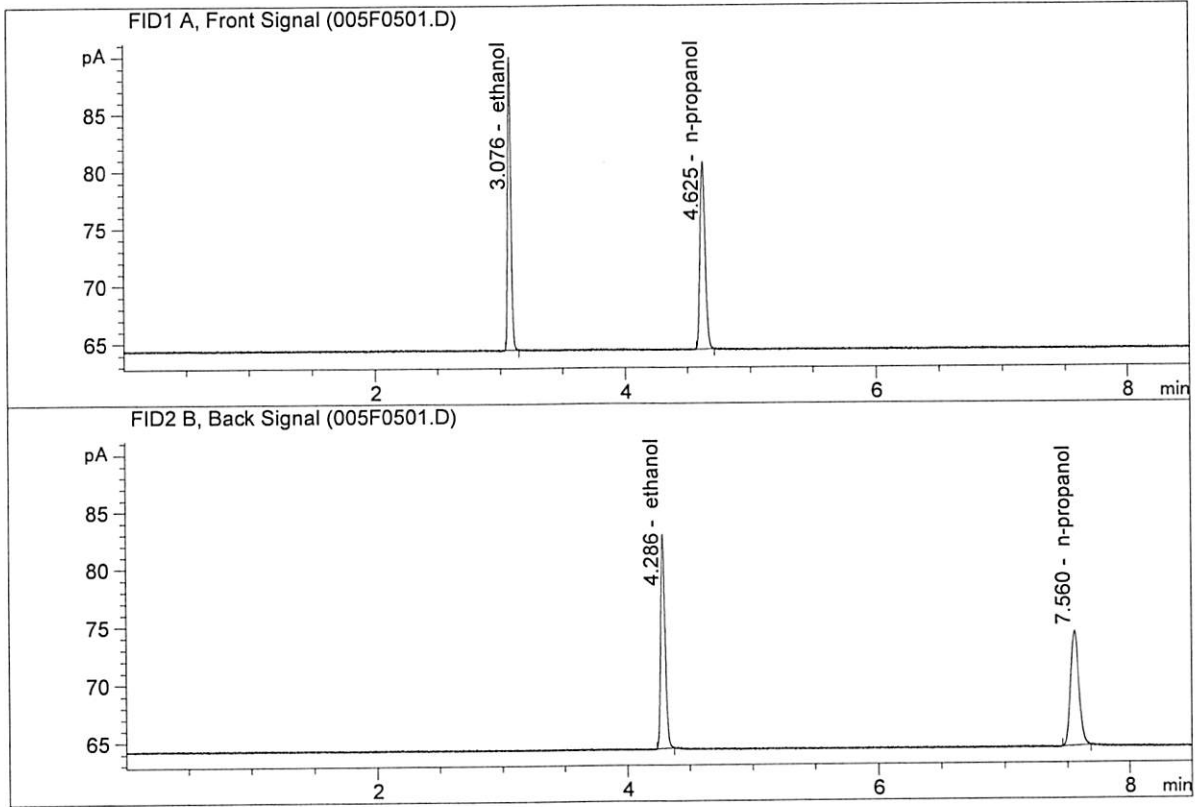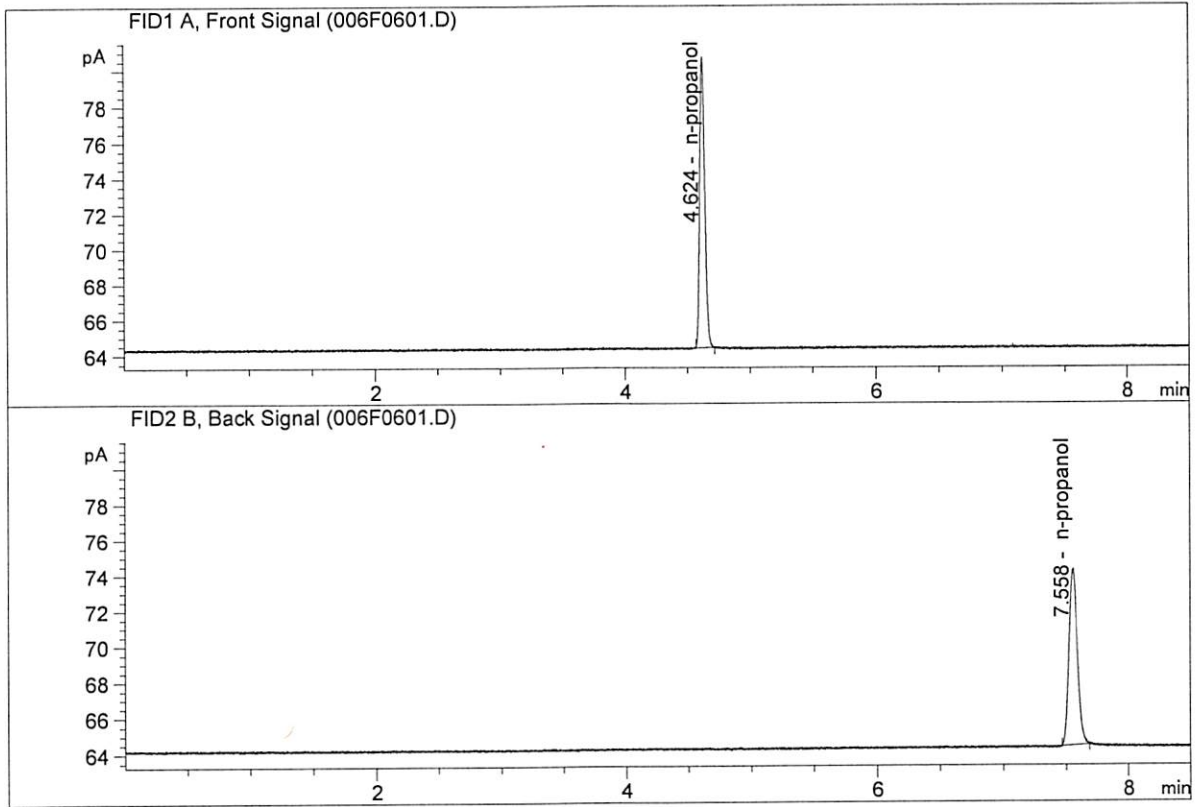

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.63319	0.5008	g/100cc
2.	Ethanol	Column 2:	49.23058	0.5024	g/100cc
3.	n-Propanol	Column 1:	46.30038	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.45498	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   INTERNAL STANDARD BLANK
Laboratory      :   Meridian
Injection Date  :   Mar 12, 2019
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```


FID1 A, Front Signal (006F0601.D)

4.624 - n-propanol

FID2 B, Back Signal (006F0601.D)

7.558 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.33391	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.39194	1.0000	g/100cc

                       S a m p l e   S u m m a r y

Sequence table: C:\Chem32\1\Data\3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\03-12-19_CA
                        .S
Data directory path: C:\Chem32\1\Data\3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\
Logbook: C:\Chem32\1\Data\3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\03-12-19_CA
                        .LOG
Sequence start: 3/12/2019 10:49:28 AM
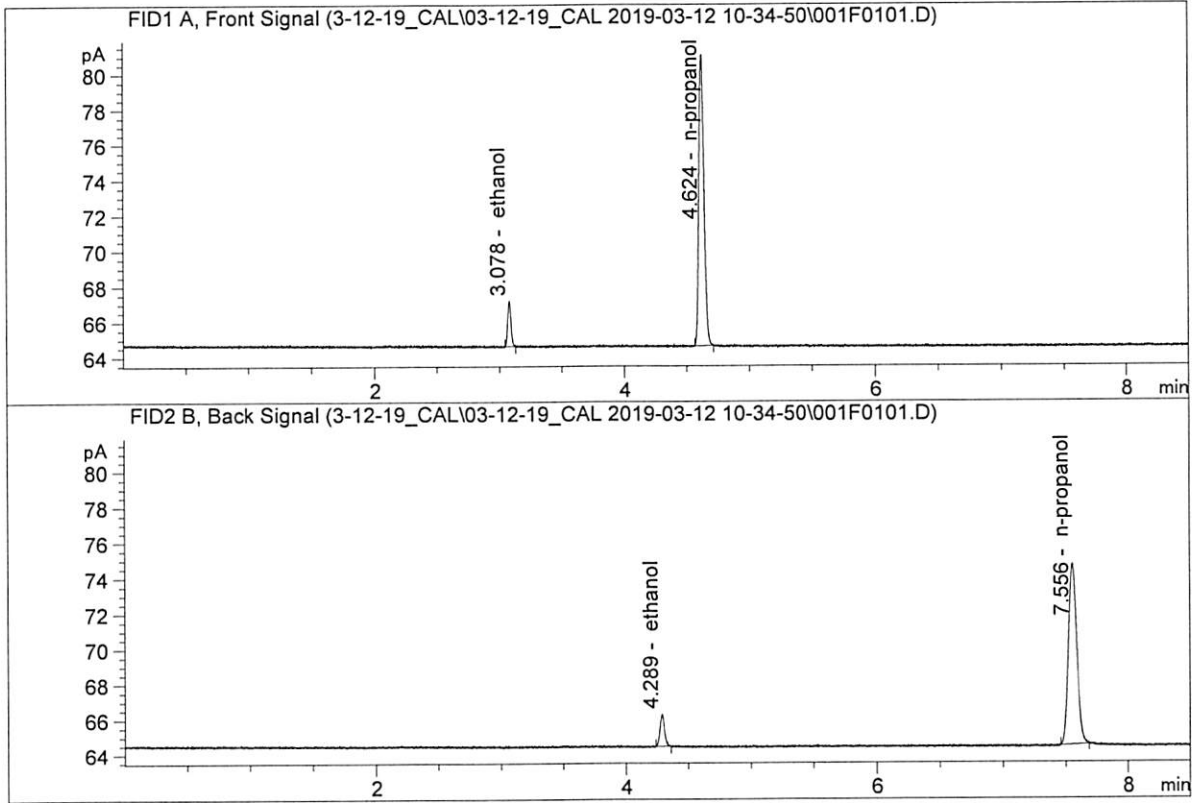Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN04271601	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name   : 0.050 FN04271601
Laboratory   : Meridian
Injection Date   : Mar 12, 2019
Method   : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\001F0101.D)

FID2 B, Back Signal (3-12-19_CAL\03-12-19_CAL 2019-03-12 10-34-50\001F0101.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.64287	0.0505	g/100cc
2.	Ethanol	Column 2:	4.81424	0.0520	g/100cc
3.	n-Propanol	Column 1:	46.79913	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.84148	1.0000	g/100cc