Modified #3 Controlled Excel Template

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Run Date(s): 08/08/19

Calibration date : 08/07/19

Volatiles Quality Assurance Controls

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0792 g/100cc 0.0839 g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2081 g/100cc g/100cc g/100cc

Multi-Component mixture:		Lot #	FN06041502		OK
Curve Fit:		Column 1	1.00000	Column2	0.99999

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0512	0.0011	0.0506
100	0.100	0.090 - 0.110	0.0997	0.0996	0.0001	0.0996
200	0.200	0.180 - 0.220	0.1999	0.1990	0.0009	0.1994
300	0.300	0.270 - 0.330	0.3006	0.2998	0.0008	0.3002
500	0.500	0.450 - 0.550	0.4997	0.5005	0.0008	0.5001

Aqueous Controls

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

Worklist: 3598

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
M2019-3380	1	158184	Alcohol Analysis	
M2019-3391	1	158370	Alcohol Analysis	
M2019-3431	1	158575	Alcohol Analysis	
M2019-3437	1	158758	Alcohol Analysis	
M2019-3440	1	158761	Alcohol Analysis	
M2019-3467	1	158821	Alcohol Analysis	
M2019-3468	1	158822	Alcohol Analysis	
M2019-3470	1	158855	Alcohol Analysis	
M2019-3472	1	158880	Alcohol Analysis	
M2019-3477	1	158888	Alcohol Analysis	
M2019-3502	1	159106	Alcohol Analysis	
M2019-3539	1	159237	Alcohol Analysis	
M2019-3540	1	159238	Alcohol Analysis	
M2019-3541	1	159239	Alcohol Analysis	
M2019-3556	1	159298	Alcohol Analysis	
M2019-3557	1	159299	Alcohol Analysis	
M2019-3575	1	159346	Alcohol Analysis	
M2019-3587	2	159363	Alcohol Analysis	
P2019-2239	3	158367	Alcohol Analysis	
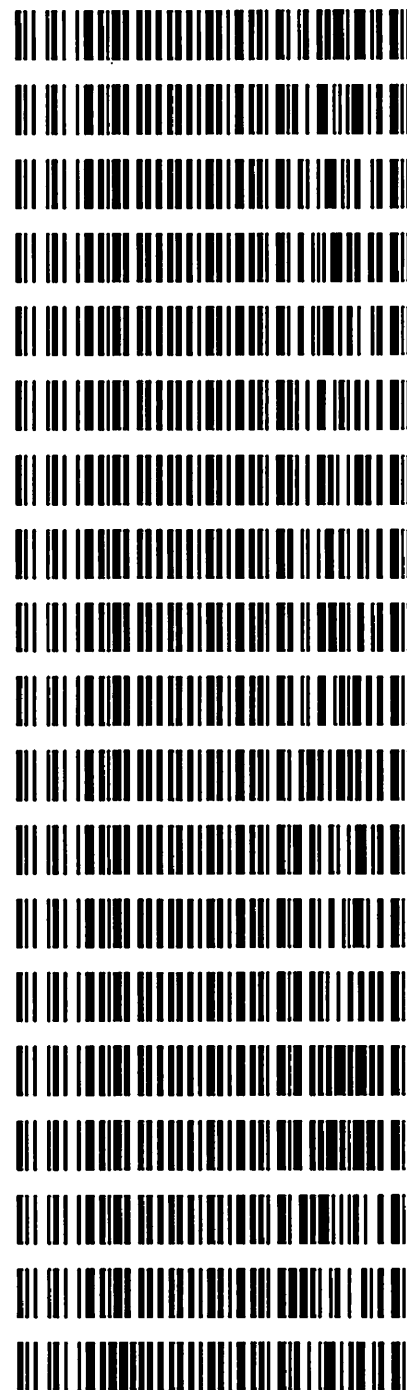
```
=====================================================================
                        Calibration Table
=====================================================================



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


Calib. Data Modified   :     Wednesday, August 07, 2019 4:28:30 PM
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      Area    Rsp.Factor Ref ISTD #   Compound
                [g/100cc]
-------|-|--|-----------|----------|----------|---|---|-|------------------
  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    4.48455 1.11494e-2  No  No 1 ethanol
           2 1.00000e-1    9.14104 1.09397e-2
           3 2.00000e-1   18.45197 1.08390e-2
           4 3.00000e-1   27.49827 1.09098e-2
           5 5.00000e-1   46.02060 1.08647e-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    4.67916 1.06857e-2  No  No 2 ethanol
           2 1.00000e-1    9.51962 1.05046e-2
           3 2.00000e-1   19.37570 1.03222e-2
           4 3.00000e-1   29.07134 1.03194e-2
           5 5.00000e-1   49.06320 1.01909e-2
  4.308 1  1    1.00000    6.49940 1.53860e-1  No  No 1 acetone
  4.620 1  1    1.00000   46.14289 2.16718e-2  No Yes 1 n-propanol
           2    1.00000   47.04701 2.12553e-2
           3    1.00000   47.25787 2.11605e-2
           4    1.00000   46.80367 2.13658e-2
           5    1.00000   47.08571 2.12379e-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   48.53417 2.06040e-2  No Yes 2 n-propanol
           2    1.00000   49.19382 2.03278e-2
           3    1.00000   49.32095 2.02754e-2
           4    1.00000   48.84929 2.04711e-2
           5    1.00000   49.17508 2.03355e-2
------------------------------------------------------------------------

------------------------------------------------------------------------
                        Peak Sum Table
------------------------------------------------------------------------

***No Entries in table***
------------------------------------------------------------------------
```
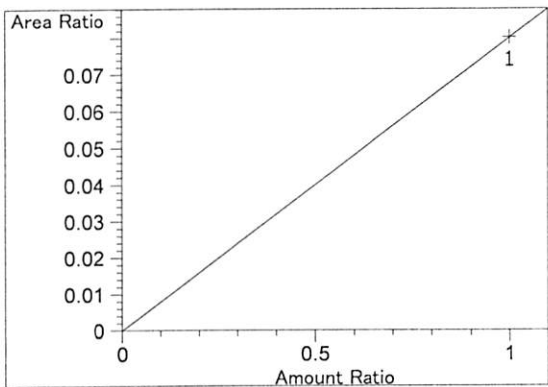
1 Warnings or Errors :

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

==
                        Calibration Curves
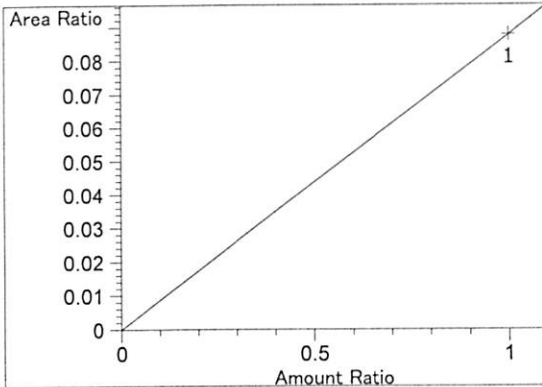==
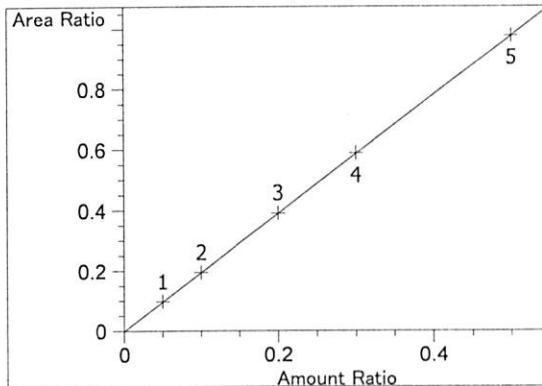

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 8.01141e-2
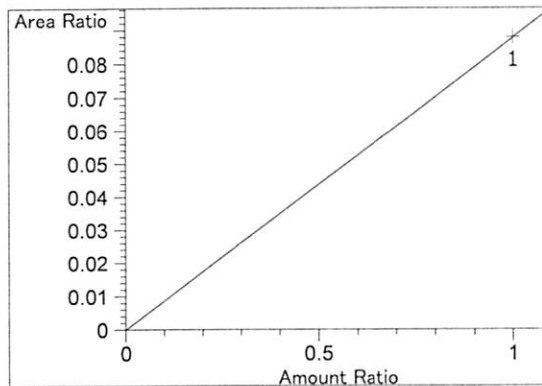   b: 0.00000
        x: Amount Ratio
        y: Area Ratio

Method C:\CHEM32\1\METHODS\ALCOHOL.M
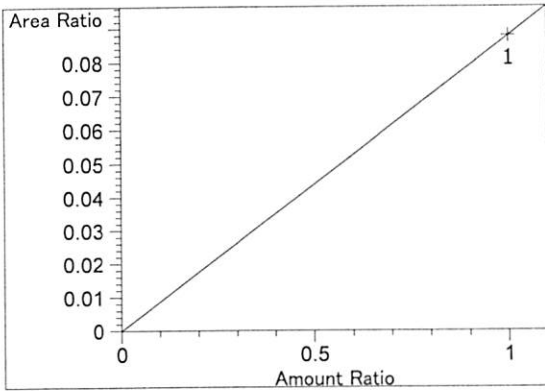
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 8.77938e-2
         b: 0.00000
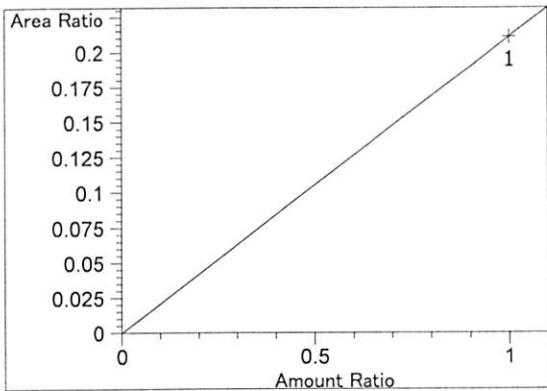   x: Amount Ratio
         y: Area Ratio

Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 8.77938e-2
         b: 0.00000
         x: Amount Ratio
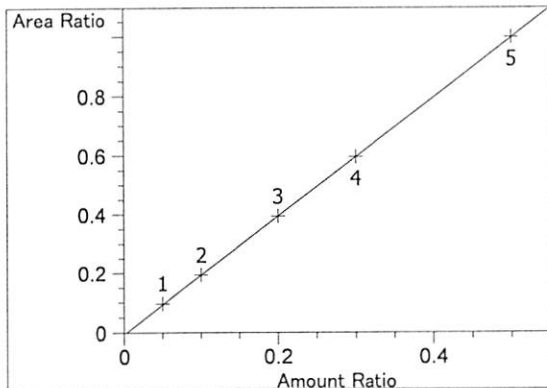   y: Area Ratio

ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00081
Formula: y = mx + b
         m: 1.95745
         b: -8.44568e-4
         x: Amount Ratio
         y: Area Ratio

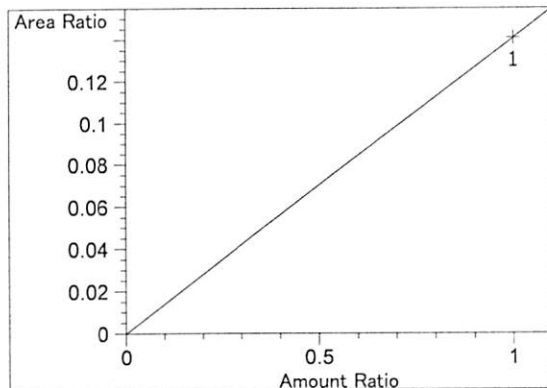

methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 8.77861e-2
         b: 0.00000
         x: Amount Ratio
         y: Area Ratio

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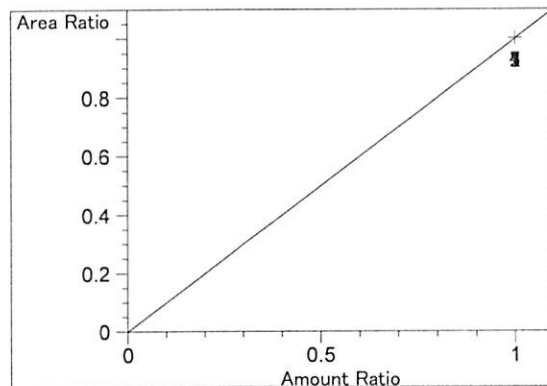

isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 2.10879e-1
         b: 0.00000
         x: Amount Ratio
         y: Area Ratio

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.:   0.00198
Formula: y = mx + b
         m: 2.00585
         b: -6.22115e-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: 1.40854e-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
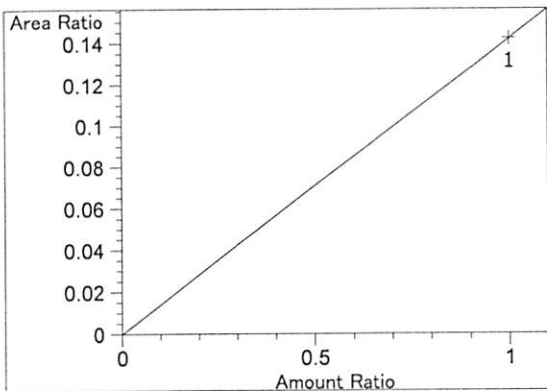
acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
          m: 1.42024e-1
          b: 0.00000
          x: Amount Ratio
          y: Area Ratio

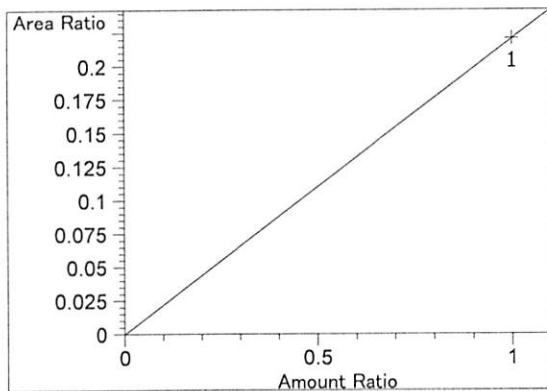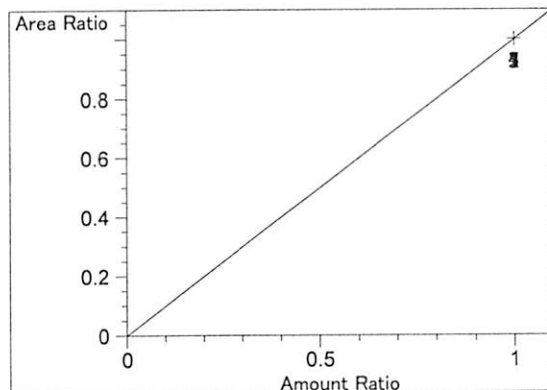isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
          m: 2.20595e-1
          b: 0.00000
          x: Amount Ratio
          y: Area Ratio

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   :   0.050 FN04271601
Laboratory   :   Meridian
Injection Date   :   Aug 7, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\001F0101.D)

FID2 B, Back Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\001F0101.D)
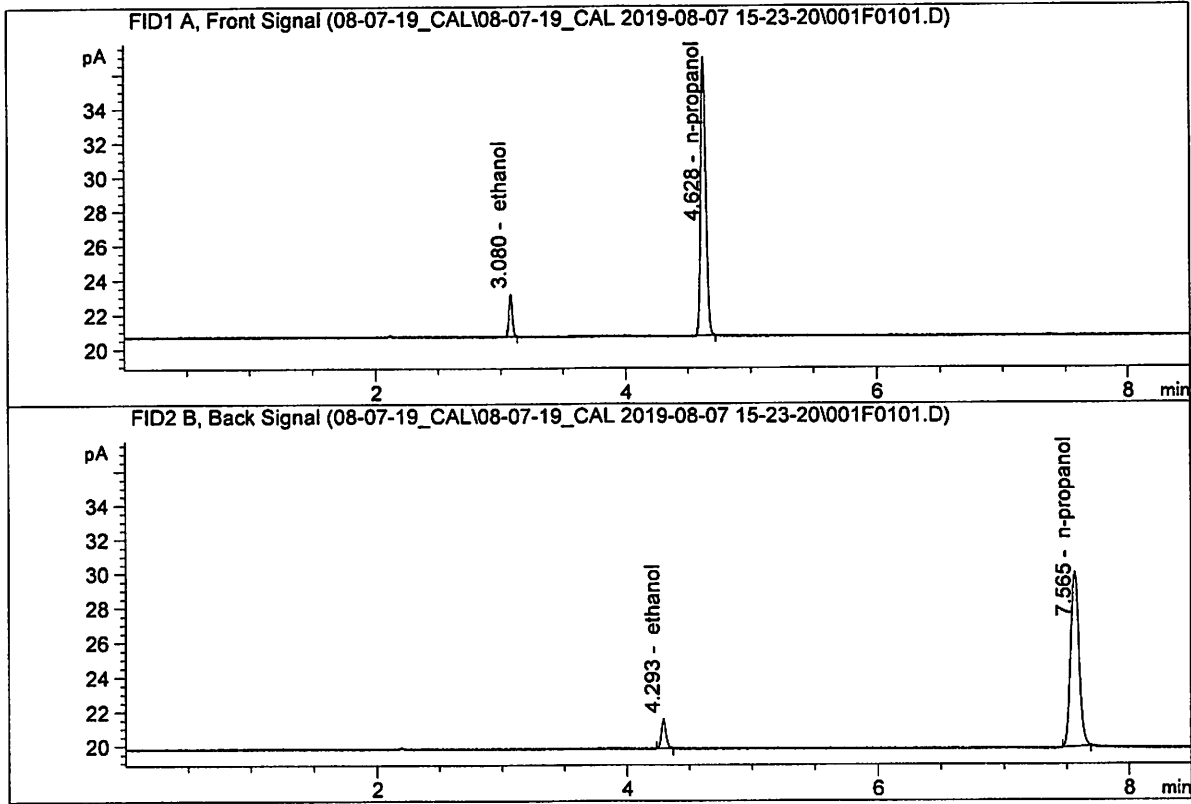
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.48455	0.0501	g/100cc
2.	Ethanol	Column 2:	4.67916	0.0512	g/100cc
3.	n-Propanol	Column 1:	46.14289	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.53417	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.100 FN02271802
Laboratory   :   Meridian
Injection Date   :   Aug 7, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\002F0201.D)

FID2 B, Back Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.14104	0.0997	g/100cc
2.	Ethanol	Column 2:	9.51962	0.0996	g/100cc
3.	n-Propanol	Column 1:	47.04701	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.19382	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.200 FN03301601
Laboratory   :   Meridian
Injection Date :   Aug 7, 2019
Method   :   ALCOHOL.M
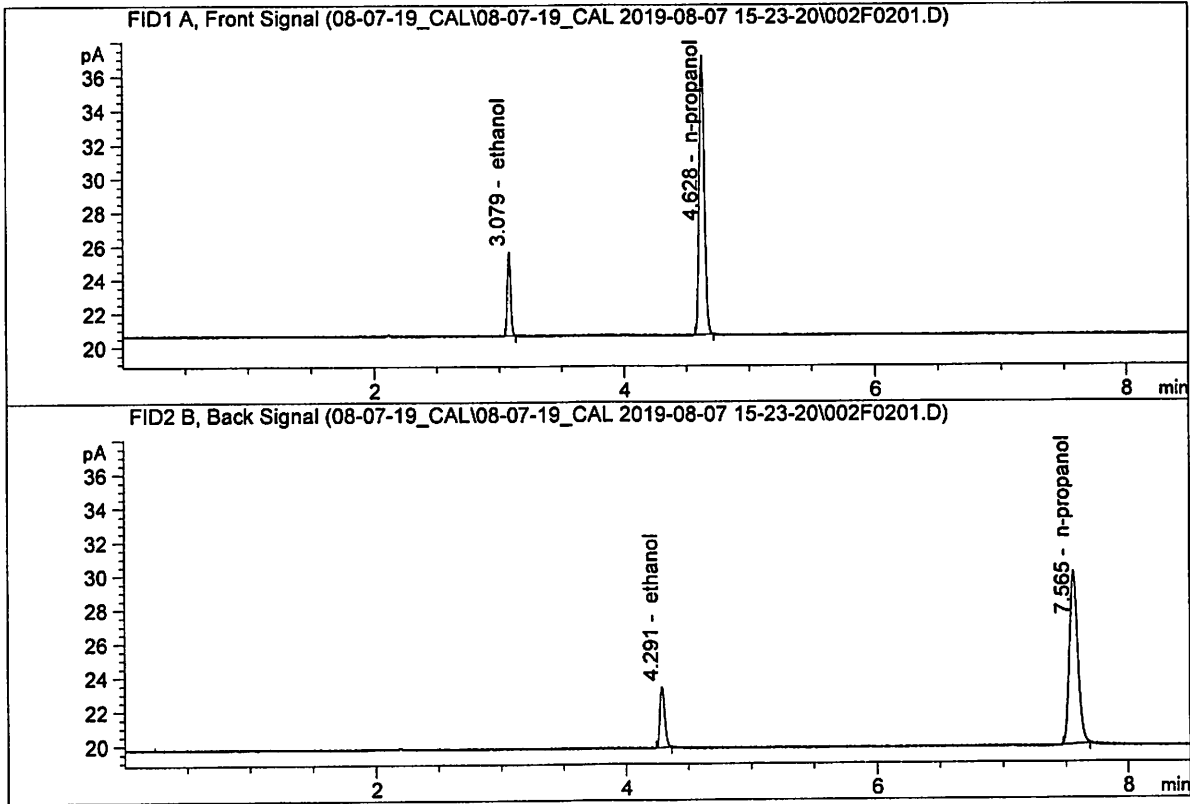Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\003F0301.D)

FID2 B, Back Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\003F0301.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.45197	0.1999	g/100cc
2.	Ethanol	Column 2:	19.37570	0.1990	g/100cc
3.	n-Propanol	Column 1:	47.25787	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.32095	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.300 FN07311804
Laboratory      :   Meridian
Injection Date  :   Aug 7, 2019
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```
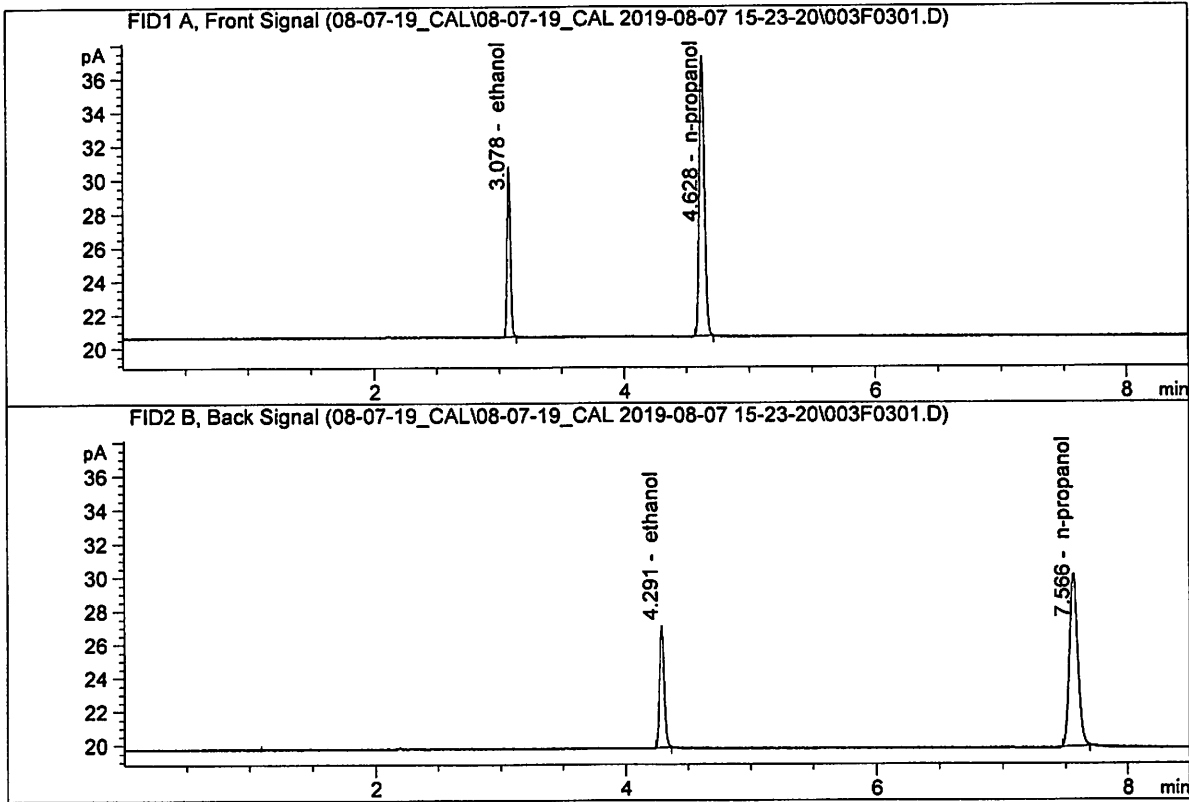
FID1 A, Front Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\004F0401.D)

FID2 B, Back Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\004F0401.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.49827	0.3006	g/100cc
2.	Ethanol	Column 2:	29.07134	0.2998	g/100cc
3.	n-Propanol	Column 1:	46.80367	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.84929	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.500 FN08031602
Laboratory       :   Meridian
Injection Date   :   Aug 7, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```
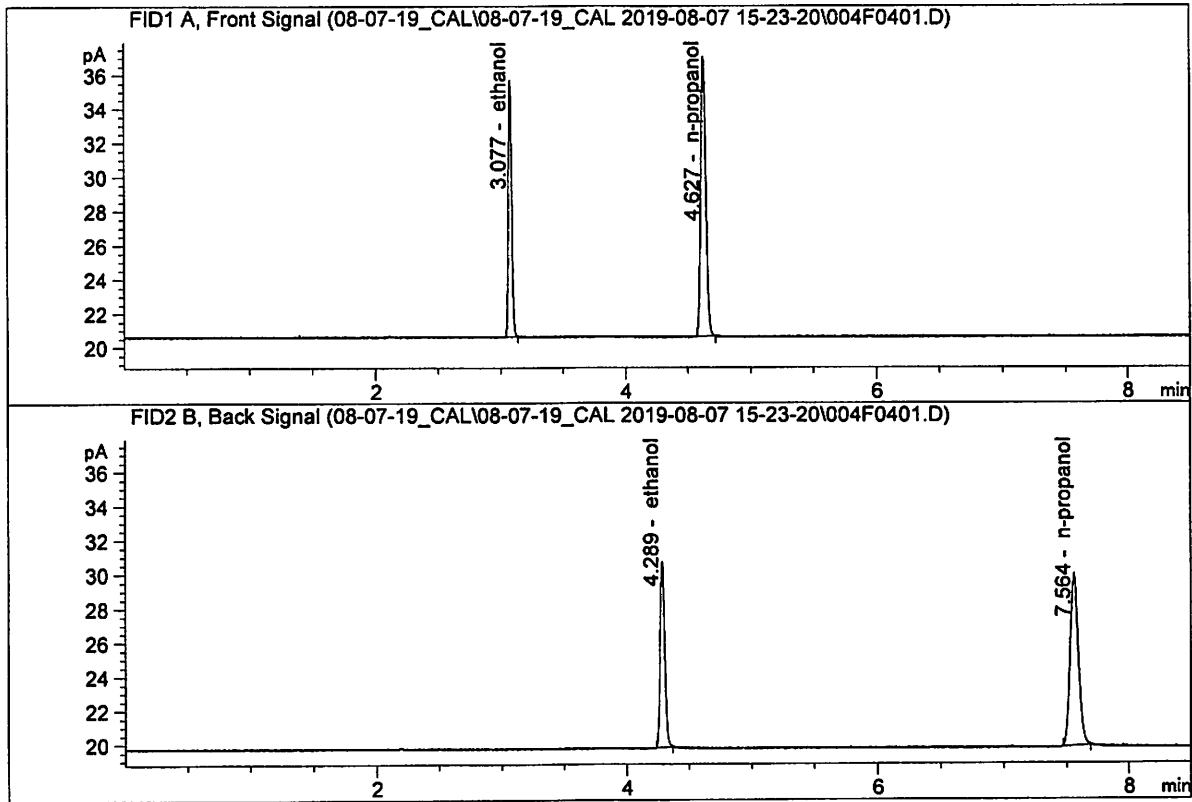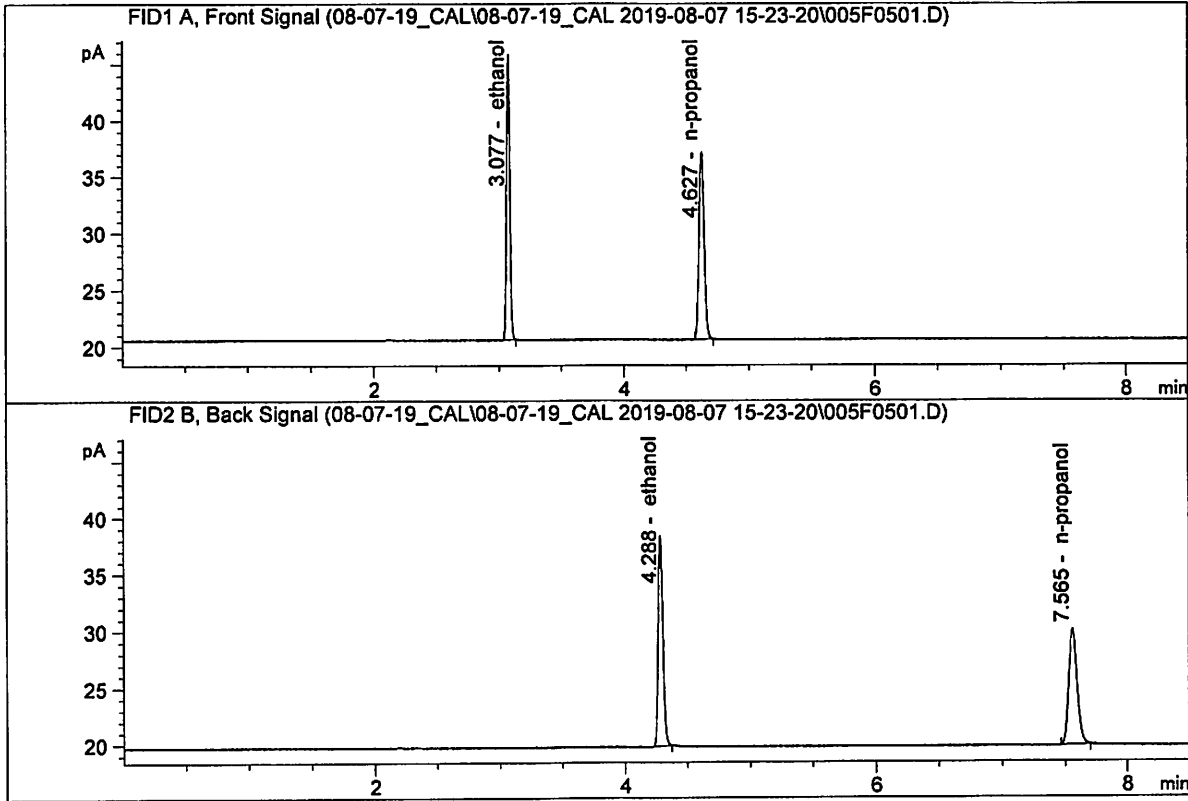

FID1 A, Front Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\005F0501.D)

FID2 B, Back Signal (08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\005F0501.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.02060	0.4997	g/100cc
2.	Ethanol	Column 2:	49.06320	0.5005	g/100cc
3.	n-Propanol	Column 1:	47.08571	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.17508	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STANDARD BLANK
Laboratory   :   Meridian
Injection Date   :   Aug 7, 2019
Method   :   ALCOHOL.M
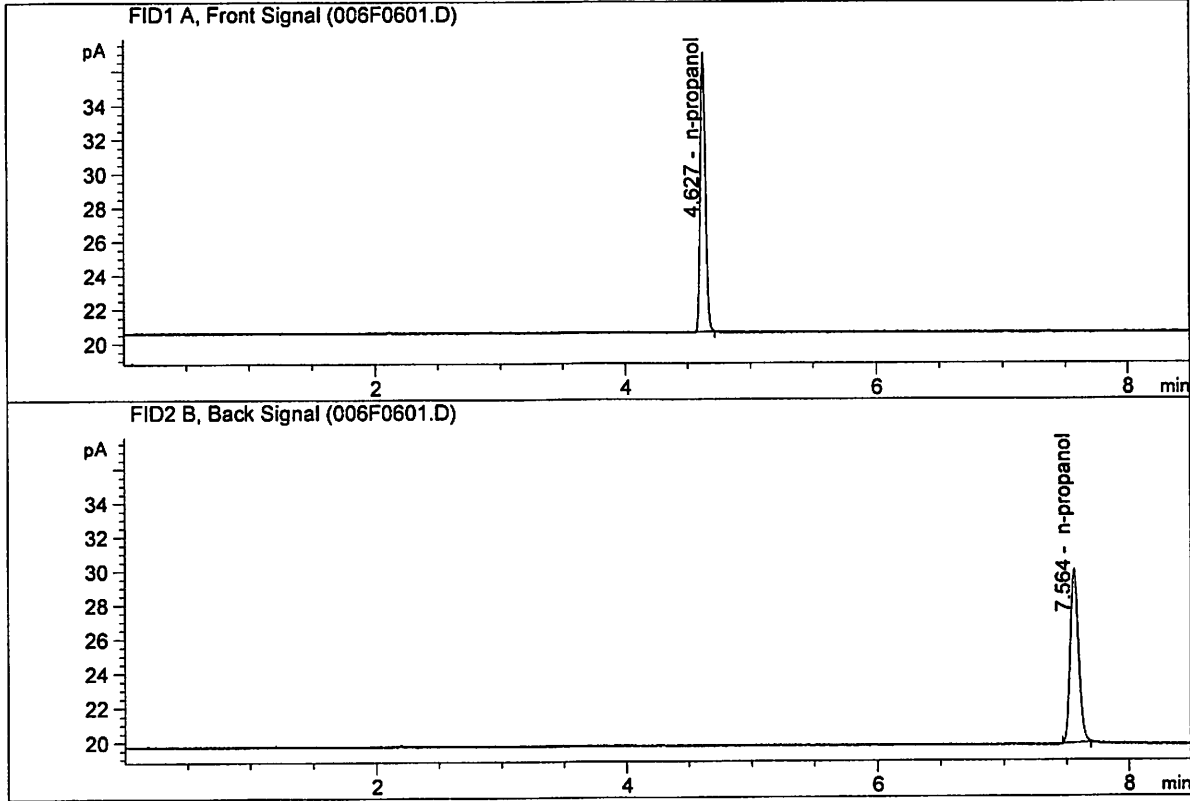Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (006F0601.D)

pA

4.627 - n-propanol

FID2 B, Back Signal (006F0601.D)

pA

7.564 - 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:	46.62593	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.73176	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\08-07-19_CAL.S

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

Sequence table: C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\08-07-19_
                       CAL.S
Data directory path: C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\
Logbook: C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\08-07-19_
                       CAL.LOG
Sequence start: 8/7/2019 3:37:58 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\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 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN07311804	-	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

Method file name: C:\Chem32\1\Data\08-07-19_CAL\08-07-19_CAL 2019-08-07 15-23-20\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
7	7	1	SHUTDOWN	-	1.0000	007F0701.D		0

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STD BLK
Laboratory   :   Meridian
Injection Date :   Aug 8, 2019
Method   :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167

FID1 A, Front Signal (007F0701.D)

4.625 - n-propanol

FID2 B, Back Signal (007F0701.D)
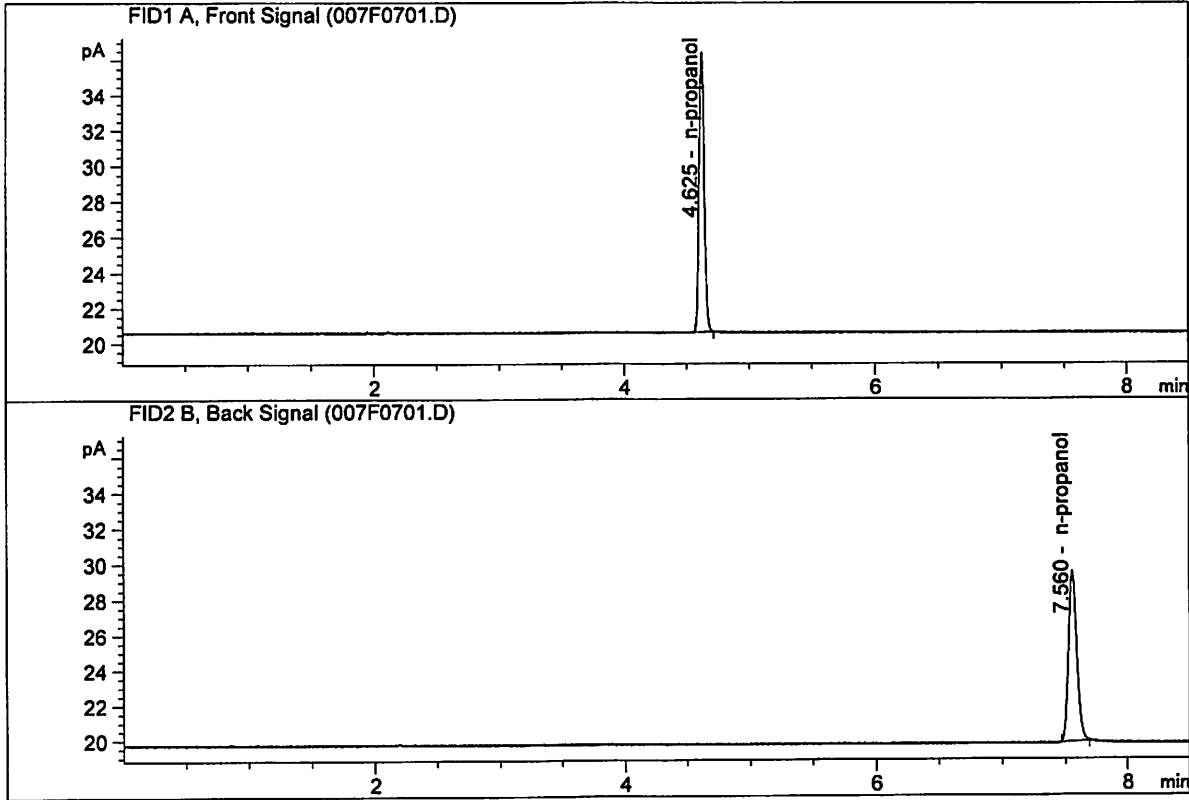
7.560 - n-propanol

#	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:	45.02013	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.89166	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   MIX VOL FN06041502
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
Method   :   ALCOHOL.M
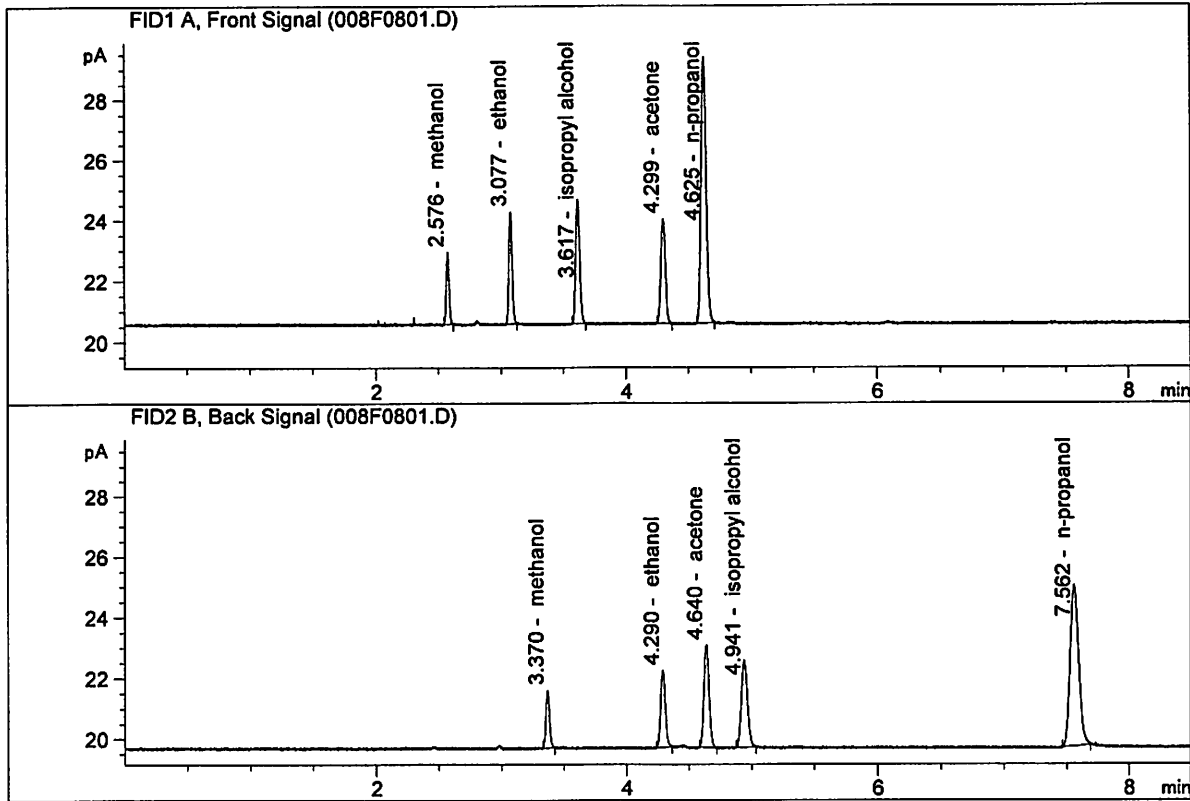Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (008F0801.D)

FID2 B, Back Signal (008F0801.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.53519	0.1350	g/100cc
2.	Ethanol	Column 2:	6.74381	0.1359	g/100cc
3.	n-Propanol	Column 1:	24.80456	1.0000	g/100cc
4.	n-Propanol	Column 2:	25.31432	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 08 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0790	0.0794	0.0004	0.0792		
(g/100cc)	0.0790	0.0796	0.0006	0.0793	0.0792	

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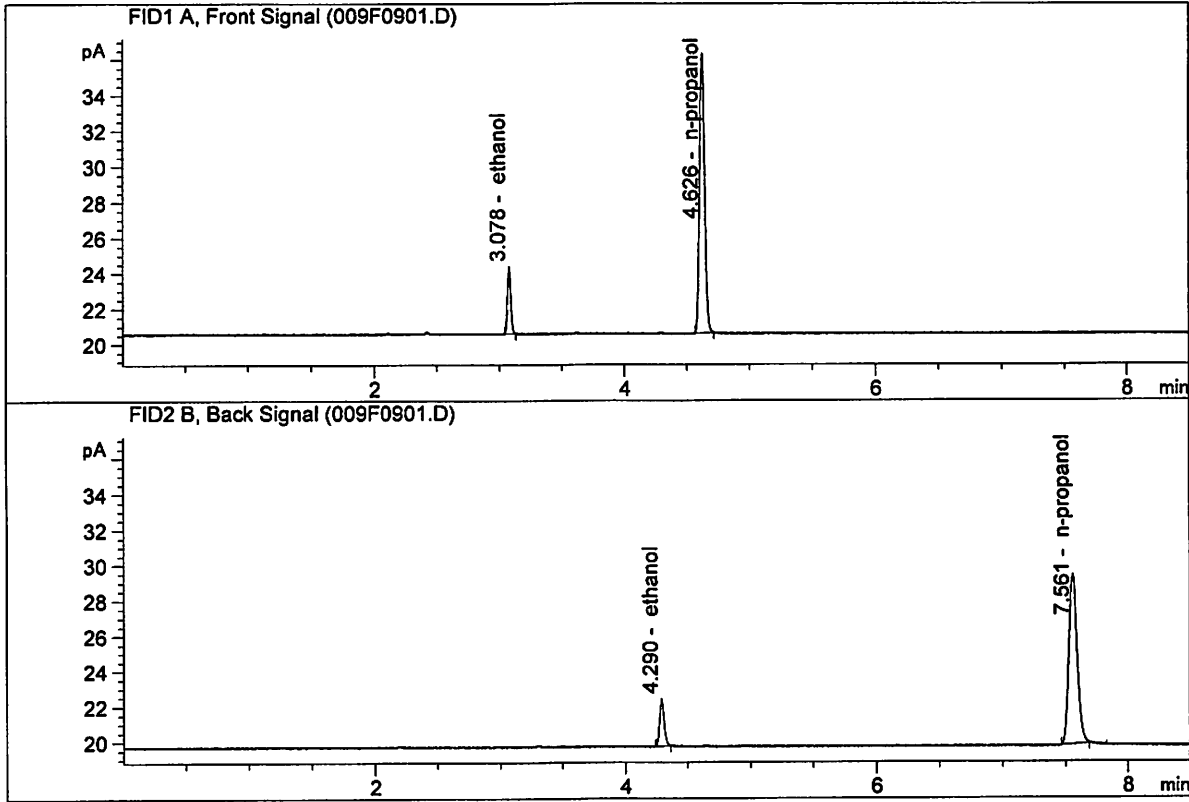
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC1-1-A
Laboratory       :    Meridian
Injection Date   :    Aug 8, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN11180014-CN11041167
```


FID1 A, Front Signal (009F0901.D)

FID2 B, Back Signal (009F0901.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.86247	0.0790	g/100cc
2.	Ethanol	Column 2:	7.07989	0.0794	g/100cc
3.	n-Propanol	Column 1:	44.61438	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.23821	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-1-B
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
Method   :   ALCOHOL.M
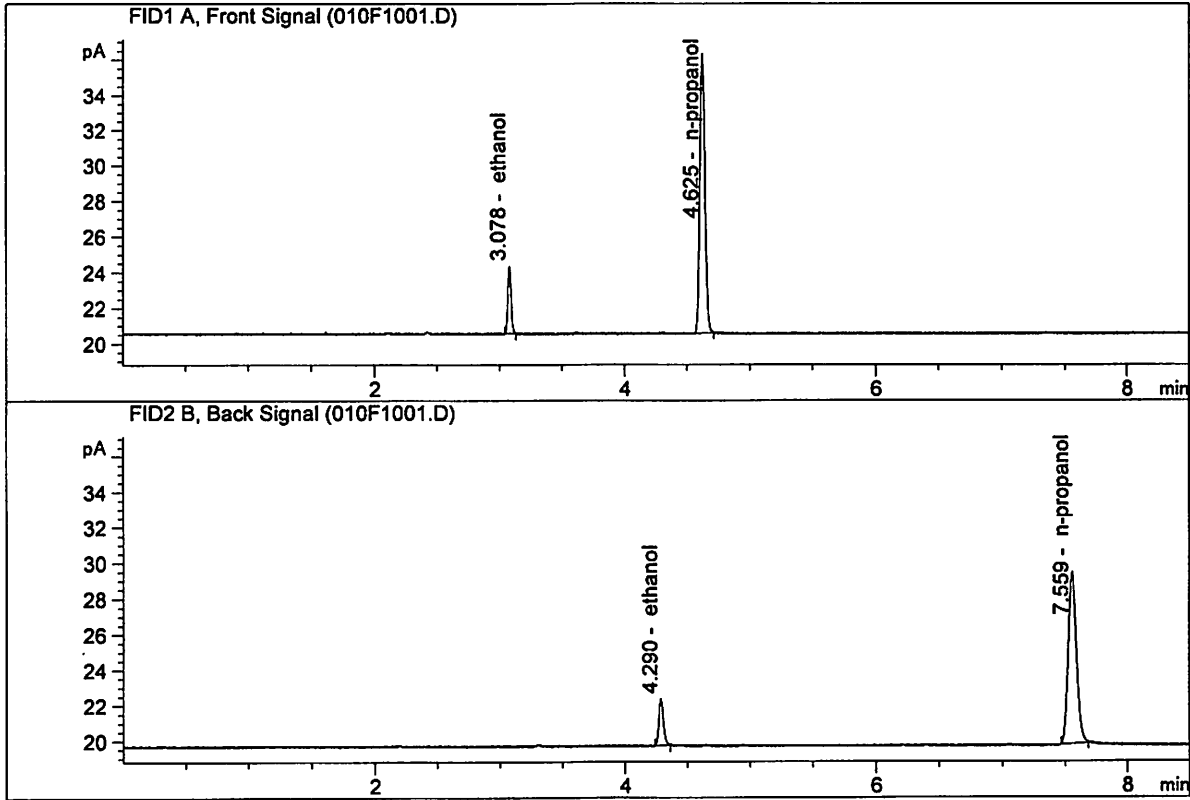Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (010F1001.D)

3.078 - ethanol
4.625 - n-propanol

FID2 B, Back Signal (010F1001.D)

4.290 - ethanol
7.559 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.86053	0.0790	g/100cc
2.	Ethanol	Column 2:	7.08202	0.0796	g/100cc
3.	n-Propanol	Column 1:	44.60306	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.18317	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701   **Analysis Date(s): 08 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0808	0.0813	0.0005	0.0810	0.0815	
(g/100cc)	0.0818	0.0823	0.0005	0.0820		

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%

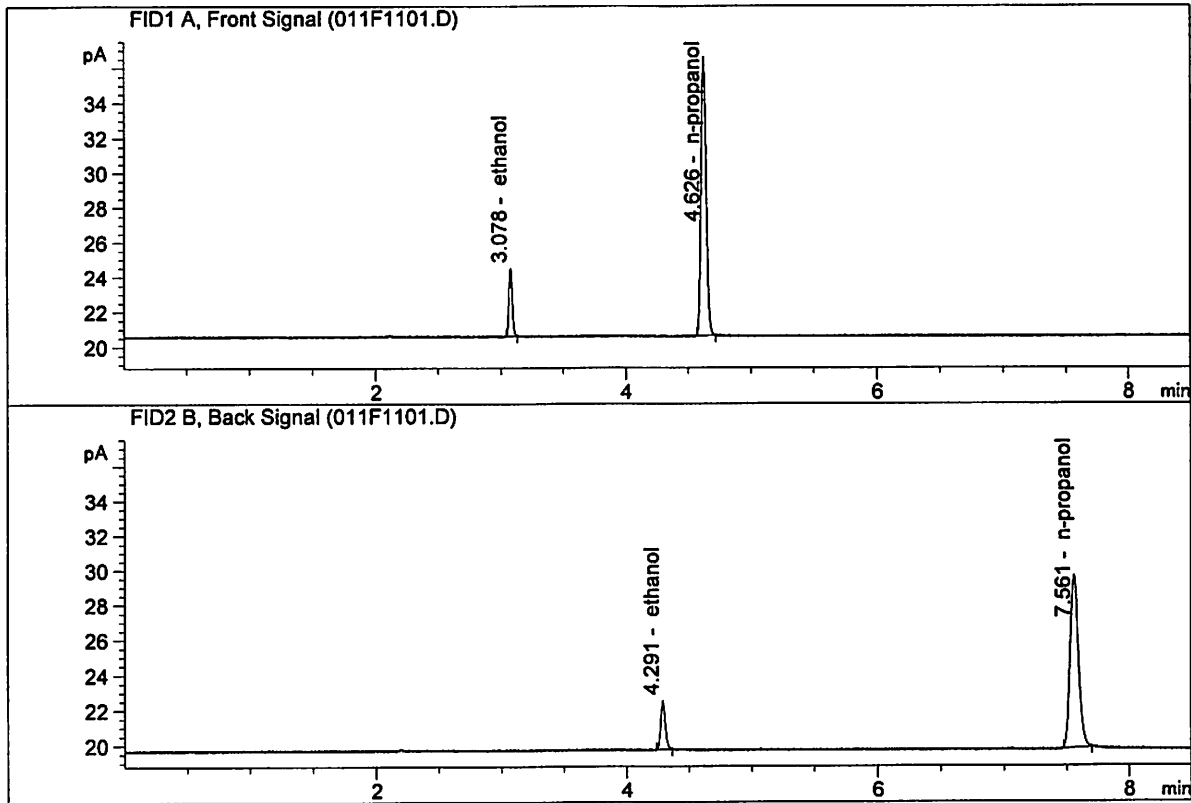| Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.08 FN04171701-A
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (011F1101.D)

pA

3.078 - ethanol
4.626 - n-propanol

FID2 B, Back Signal (011F1101.D)

pA

4.291 - ethanol
7.561 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.15766	0.0808	g/100cc
2.	Ethanol	Column 2:	7.42998	0.0813	g/100cc
3.	n-Propanol	Column 1:	45.49435	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.35122	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.08 FN04171701-B
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
Method   :   ALCOHOL.M
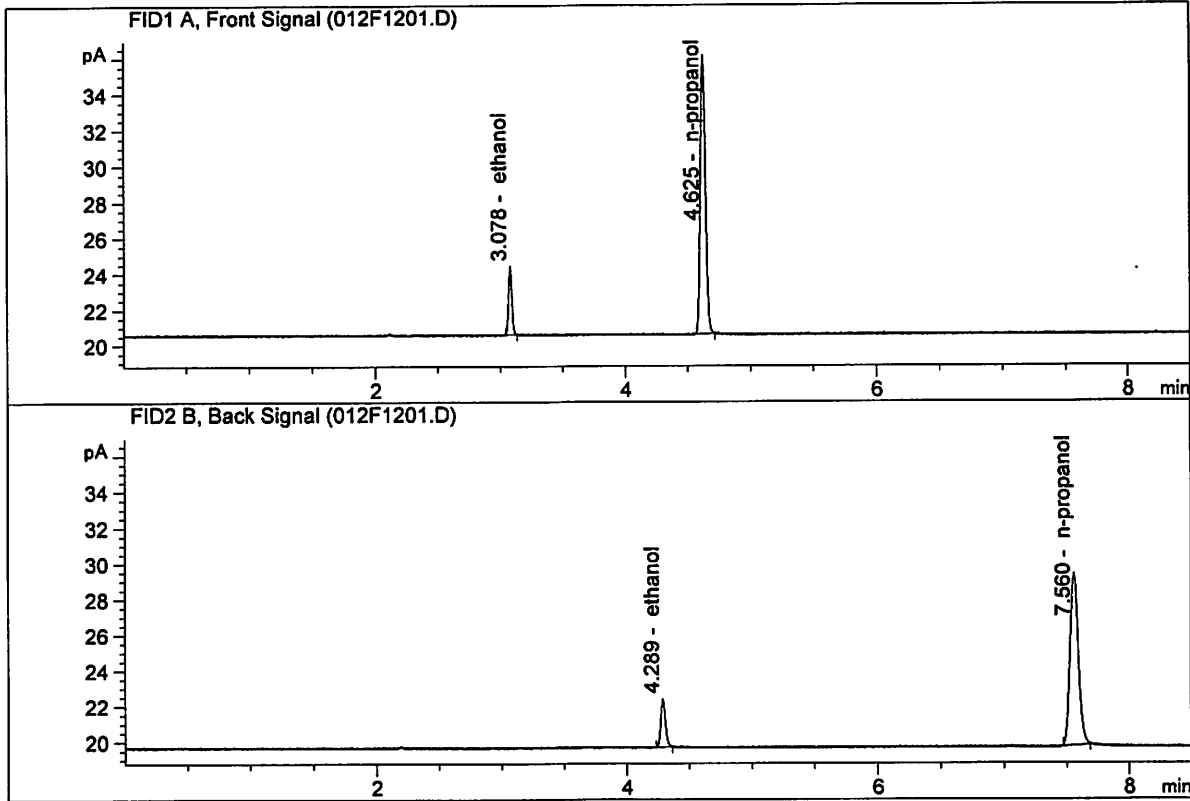Acq. Instrument: CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.02751	0.0818	g/100cc
2.	Ethanol	Column 2:	7.27327	0.0823	g/100cc
3.	n-Propanol	Column 1:	44.13321	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.78617	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 08 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2073	0.2076	0.0003	0.2074		
(g/100cc)	0.2088	0.2088	0.0000	0.2088	0.2081	

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
0.208	0.197	0.219	0.011

	Reported Result	
	0.208	

Calibration and control data are stored centrally.

bv

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-A
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (031F3101.D)

3.078 - ethanol
4.626 - n-propanol

FID2 B, Back Signal (031F3101.D)

4.290 - ethanol
7.562 - n-propanol
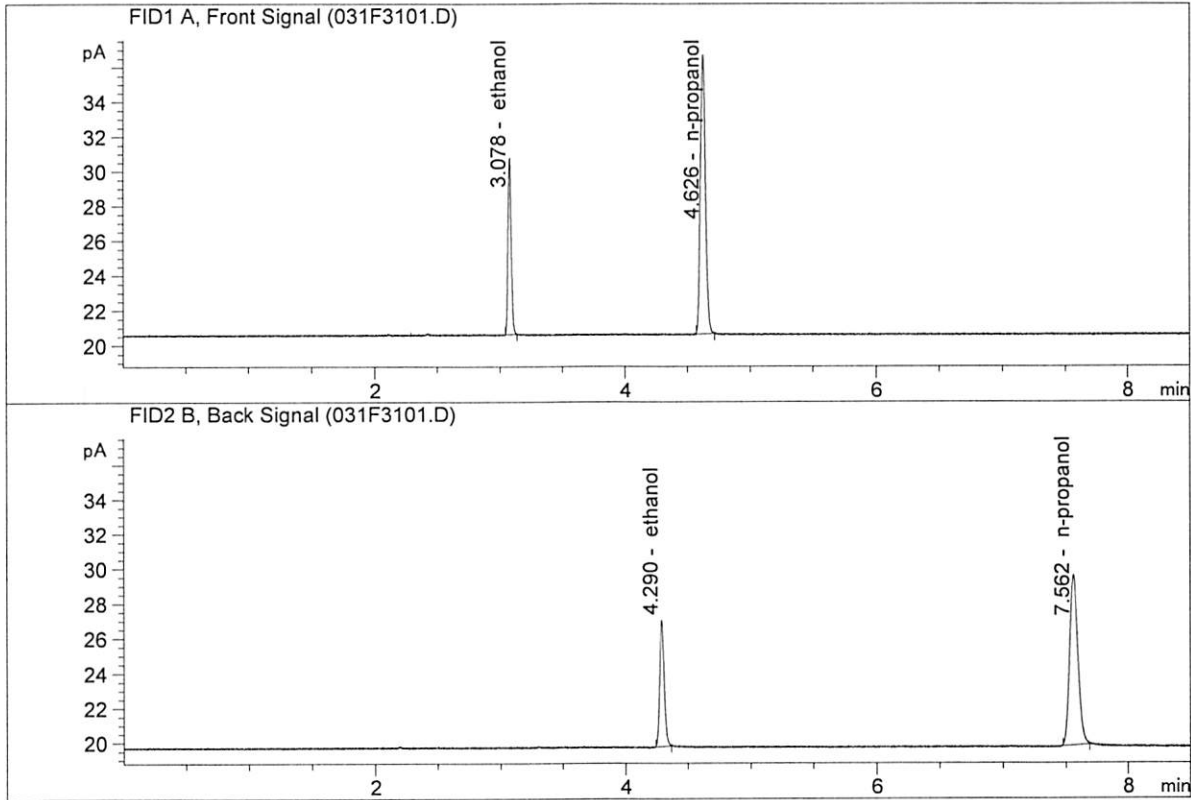
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.40351	0.2073	g/100cc
2.	Ethanol	Column 2:	19.24864	0.2076	g/100cc
3.	n-Propanol	Column 1:	45.45421	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.93238	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-B
Laboratory   :   Meridian
Injection Date :   Aug 8, 2019
Method   :   ALCOHOL.M
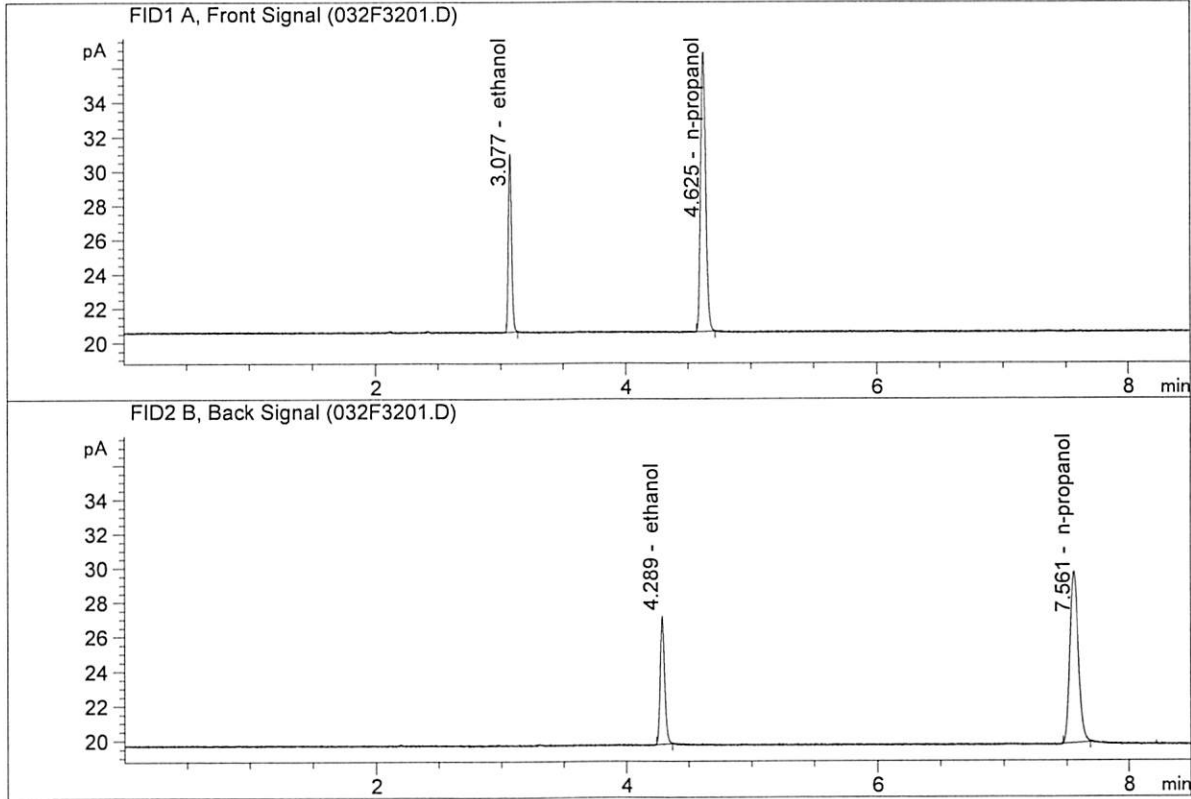Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (032F3201.D)

FID2 B, Back Signal (032F3201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.75864	0.2088	g/100cc
2.	Ethanol	Column 2:	19.62537	0.2088	g/100cc
3.	n-Propanol	Column 1:	46.00233	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.56442	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s): 08 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0830	0.0832	0.0002	0.0831	0.0839	
(g/100cc)	0.0847	0.0847	0.0000	0.0847		

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
0.083	0.078	0.088	0.005

	Reported Result	
	0.083	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   QC1-2-A
Laboratory      :   Meridian
Injection Date  :   Aug 8, 2019
Method          :   ALCOHOL.M
Acq. Instrument:    CN11180014-CN11041167
```


FID1 A, Front Signal (053F5301.D)

FID2 B, Back Signal (053F5301.D)
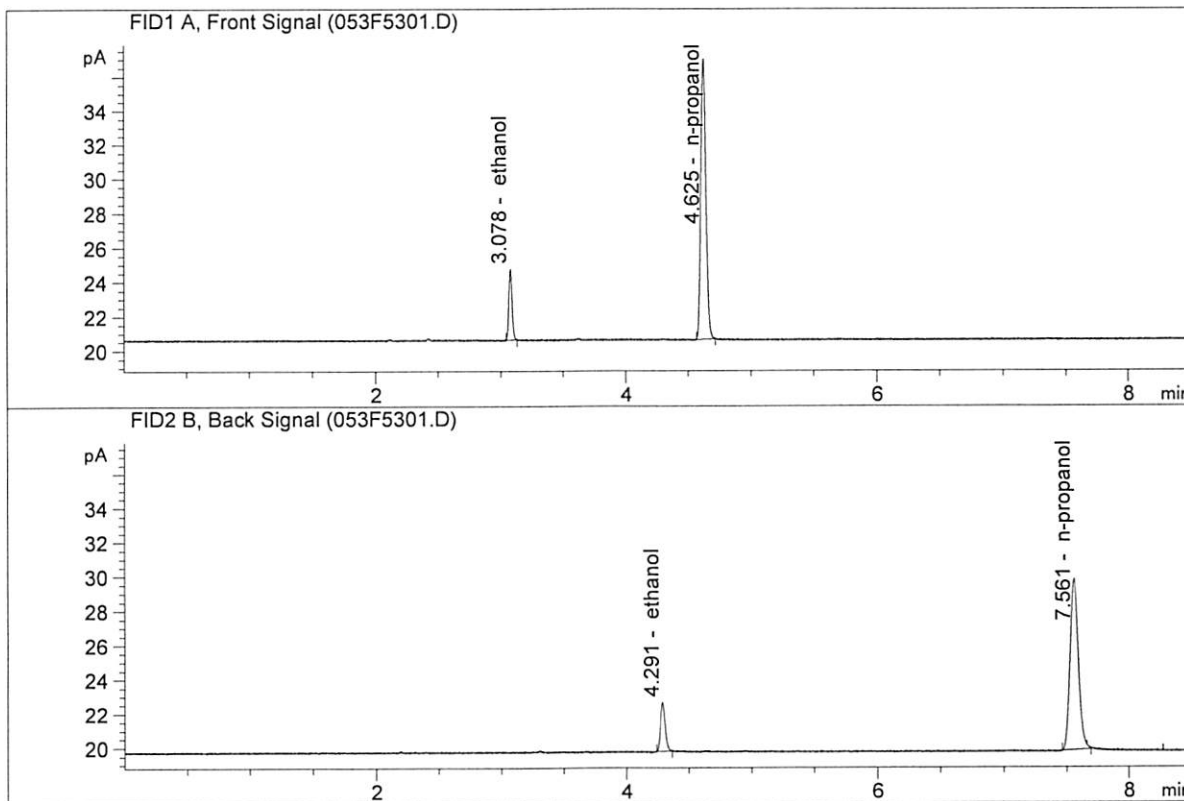
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.49067	0.0830	g/100cc
2.	Ethanol	Column 2:	7.71703	0.0832	g/100cc
3.	n-Propanol	Column 1:	46.36748	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.03090	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-2-B
Laboratory       :   Meridian
Injection Date   :   Aug 8, 2019
Method           :   ALCOHOL.M
Acq. Instrument  :   CN11180014-CN11041167
```
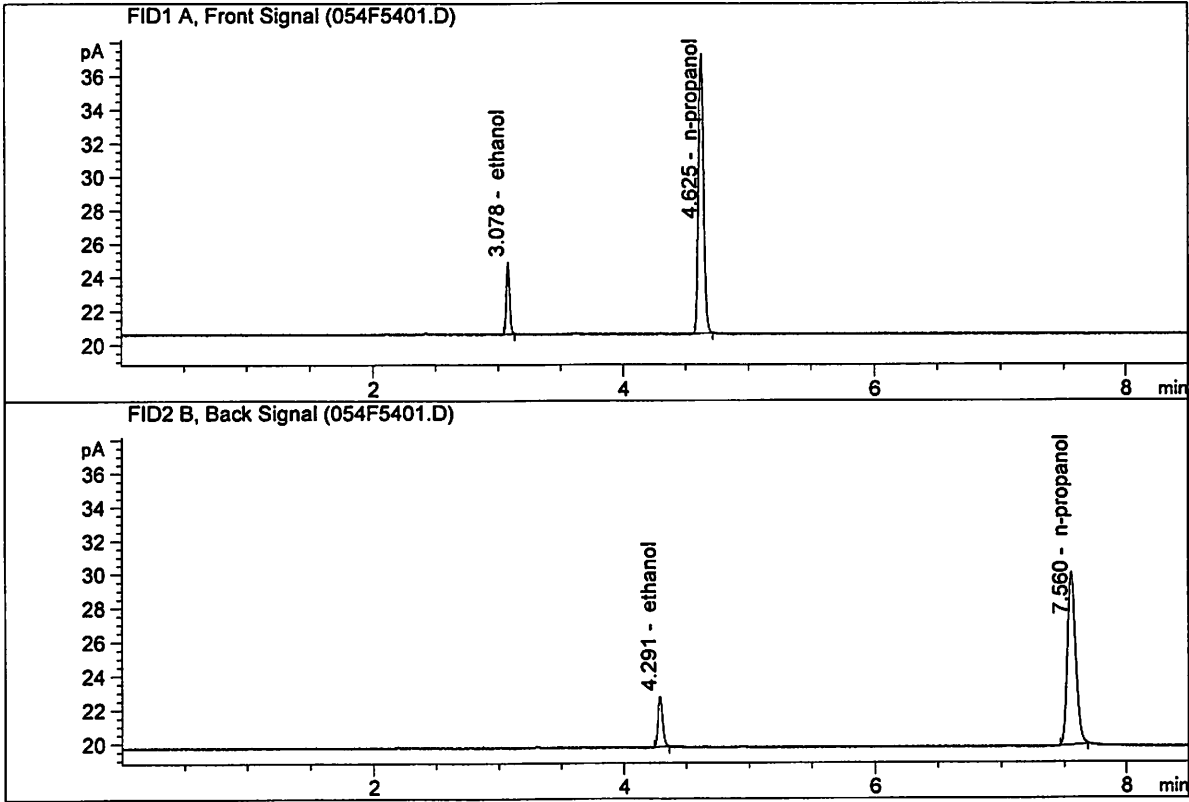

FID1 A, Front Signal (054F5401.D)

FID2 B, Back Signal (054F5401.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.75443	0.0847	g/100cc
2.	Ethanol	Column 2:	7.95675	0.0847	g/100cc
3.	n-Propanol	Column 1:	47.01603	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.63589	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STD BLK
Laboratory   :   Meridian
Injection Date   :   Aug 8, 2019
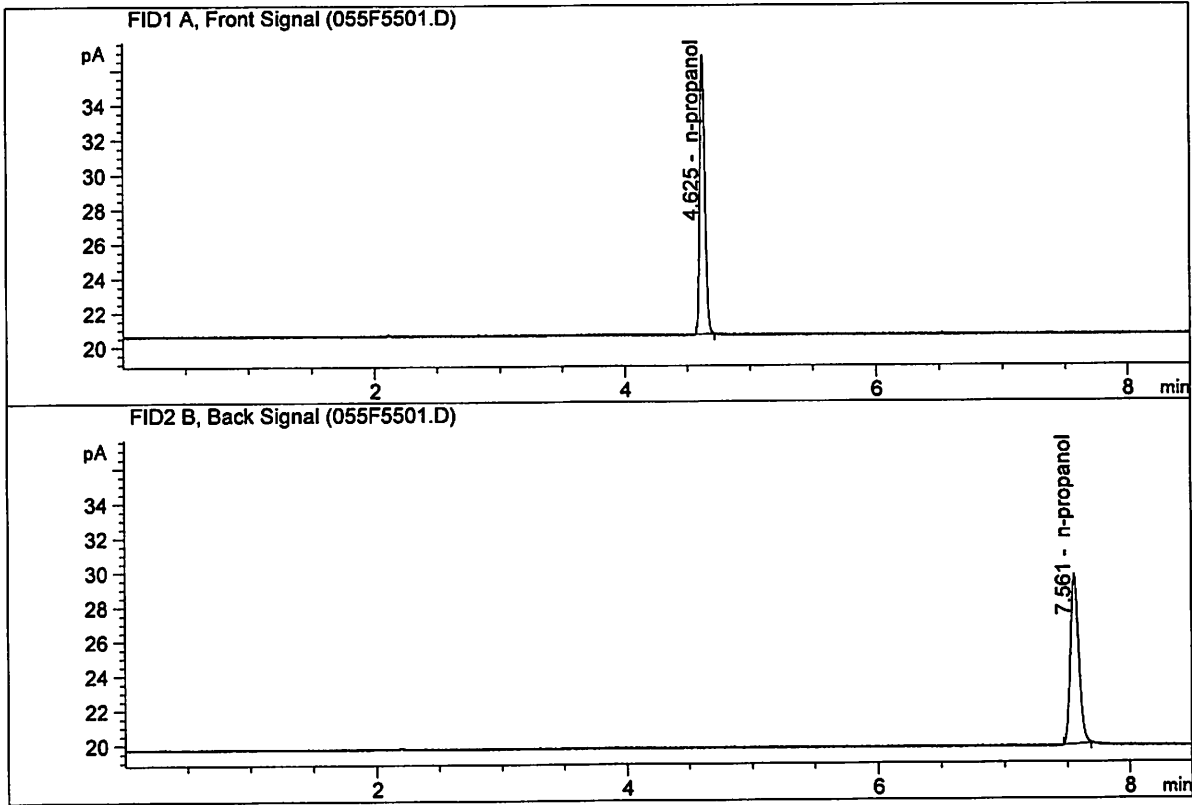Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (055F5501.D)

FID2 B, Back Signal (055F5501.D)

#	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:	45.71836	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.23723	1.0000	g/100cc

Sequence File C:\Chem32\...SAMPLES\08-08-19t_SAMPLES 2019-08-08 10-42-55\08-08-19t_SAMPLES.S

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

Sequence table: C:\Chem32\1\Data\08-08-19_SAMPLES\08-08-19t_SAMPLES 2019-08-08 10-42-55\0
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Operator: SYSTEM

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                       \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	BOT0235LOT19803-	-	1.0000	002F0201.D		4
3	3	1	BOT0235LOT19803-	-	1.0000	003F0301.D		4
4	4	1	INTERNAL STD BLK	-	1.0000	004F0401.D		2
5	5	1	BOT0070LOT19803-	-	1.0000	005F0501.D		4
6	6	1	BOT0070LOT19803-	-	1.0000	006F0601.D		4
7	7	1	INTERNAL STD BLK	-	1.0000	007F0701.D		2
8	8	1	MIX VOL FN060415	-	1.0000	008F0801.D		10
9	9	1	QC1-1-A	-	1.0000	009F0901.D		4
10	10	1	QC1-1-B	-	1.0000	010F1001.D		4
11	11	1	0.08 FN04171701-	-	1.0000	011F1101.D		4
12	12	1	0.08 FN04171701-	-	1.0000	012F1201.D		4
13	13	1	M2019-3380-1-A	-	1.0000	013F1301.D		2
14	14	1	M2019-3380-1-B	-	1.0000	014F1401.D		2
15	15	1	M2019-3391-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-3391-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-3431-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-3431-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-3437-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-3437-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-3440-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-3440-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-3467-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-3467-1-B	-	1.0000	024F2401.D		4
25	25	1	M2019-3468-1-A	-	1.0000	025F2501.D		4
26	26	1	M2019-3468-1-B	-	1.0000	026F2601.D		4
27	27	1	M2019-3470-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-3470-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-3472-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-3472-1-B	-	1.0000	030F3001.D		4
31	31	1	QC2-1-A	-	1.0000	031F3101.D		4
32	32	1	QC2-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-3477-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-3477-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-3502-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-3502-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-3539-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-3539-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-3540-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-3540-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-3541-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-3541-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-3556-1-A	-	1.0000	043F4301.D		4

Sequence File C:\Chem32\...SAMPLES\08-08-19t_SAMPLES 2019-08-08 10-42-55\08-08-19t_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2019-3556-1-B	-	1.0000	044F4401.D		4
45	45	1	M2019-3557-1-A	-	1.0000	045F4501.D		4
46	46	1	M2019-3557-1-B	-	1.0000	046F4601.D		4
47	47	1	M2019-3575-1-A	-	1.0000	047F4701.D		4
48	48	1	M2019-3575-1-B	-	1.0000	048F4801.D		4
49	49	1	M2019-3587-2-A	-	1.0000	049F4901.D		4
50	50	1	M2019-3587-2-B	-	1.0000	050F5001.D		4
51	51	1	P2019-2239-3-A	-	1.0000	051F5101.D		2
52	52	1	P2019-2239-3-B	-	1.0000	052F5201.D		2
53	53	1	QC1-2-A	-	1.0000	053F5301.D		4
54	54	1	QC1-2-B	-	1.0000	054F5401.D		4
55	55	1	INTERNAL STD BLK	-	1.0000	055F5501.D		2

Method file name: C:\Chem32\1\Data\08-08-19_SAMPLES\08-08-19t_SAMPLES 2019-08-08 10-42-55\SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
56	56	1	EMPTY	-	1.0000	056F5601.D		0