REVIEWED
By Galina Giso at 10:06 am, Jan 05, 2021

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor   Serial Number: ML600HC11378   Run Date(s): 1/4/21-1/5/21

Volatiles Quality Assurance Controls

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jul-23	1907006	0.0764	0.0688-0.0840	0.0741	g/100cc
					0.0760	g/100cc
						g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2024	g/100cc
						g/100cc
						g/100cc

Multi-Component mixture:			Lot #	FN07101701	acceptable
Curve Fit:		Column 1	0.99995	Column2	0.99982

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0517	0.0531	0.0014	0.0524
100	0.100	0.090 - 0.110	0.1002	0.1007	0.0005	0.1004
200	0.200	0.180 - 0.220	0.1988	0.1972	0.0016	0.198
300	0.300	0.270 - 0.330	0.2976	0.2957	0.0019	0.2966
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5017	0.5032	0.0015	0.5024

Aqueous Controls

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

Worklist: 4711

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2020-5169	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||||| ||| ||||||| |||
M2020-5171	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||||| ||||	|||||| |||
M2020-5172	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| ||| |||||| |||
M2020-5173	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| ||| ||||| |||
M2020-5174	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| ||||||| |||
M2020-5175	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||||| |||| ||| ||||| |||
M2020-5176	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||||| ||| || ||||||| |||
M2020-5199	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| || ||||||| |||
M2020-5200	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| || ||| ||| ||| |||
M2020-5215	3	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| || ||| ||| ||| |||
M2020-5262	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| |||||	||| |||
M2020-5270	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| ||| ||||| ||| |||
M2020-5276	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| ||||| ||||| |||
M2020-5277	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| ||||| ||||| |||
M2020-5278	1	BCK	Alcohol Analysis	||| ||| |||||||||||||||||| ||||| ||||| |||
M2020-5295	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| |||| |||||	|||
M2020-5332	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| ||| |||| ||| |||
M2020-5333	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| ||| ||||| |||
M2020-5334	1	BCK	Alcohol Analysis	||| ||| ||||||||||||||||| |||| ||||| |||

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



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


Calib. Data Modified   :    Monday, January 04, 2021 2:36:01 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     4.28446 1.16701e-2  No   No 1 ethanol
           2 1.00000e-1     8.82349 1.13334e-2
           3 2.00000e-1    17.89816 1.11743e-2
           4 3.00000e-1    26.73210 1.12225e-2
           5 5.00000e-1    44.07832 1.13434e-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     4.31246 1.15943e-2  No   No 2 ethanol
           2 1.00000e-1     9.00572 1.11041e-2
           3 2.00000e-1    18.42760 1.08533e-2
           4 3.00000e-1    27.68876 1.08347e-2
           5 5.00000e-1    46.16857 1.08299e-2
  4.308 1  1    1.00000     6.49940 1.53860e-1  No   No 1 acetone
  4.620 1  1    1.00000    44.24205 2.26029e-2  No  Yes 1 n-propanol
           2    1.00000    45.96901 2.17538e-2
           3    1.00000    46.44999 2.15285e-2
           4    1.00000    46.15202 2.16675e-2
           5    1.00000    45.00462 2.22199e-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    45.18072 2.21333e-2  No  Yes 2 n-propanol
           2    1.00000    46.49321 2.15085e-2
           3    1.00000    46.90583 2.13193e-2
           4    1.00000    46.44174 2.15324e-2
           5    1.00000    45.06770 2.21888e-2
```

                             Peak Sum Table

No Entries in table

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51 Warnings or Errors (10 first messages follow) :

Warning : Curve requires more calibration points., (methanol)
Warning : Curve requires more calibration points. at 2.586 min, signal 1
Warning : Curve requires more calibration points. at 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
Warning : Curve requires more calibration points. at 3.388 min, signal 2
Warning : Curve requires more calibration points. at 3.628 min, signal 1
Warning : Curve requires more calibration points. at 4.308 min, signal 1
Warning : Curve requires more calibration points. at 4.62 min, signal 1
Warning : Curve requires more calibration points. at 4.661 min, signal 2
Warning : Curve requires more calibration points. at 4.969 min, signal 2

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

==
                        Calibration Curves
==
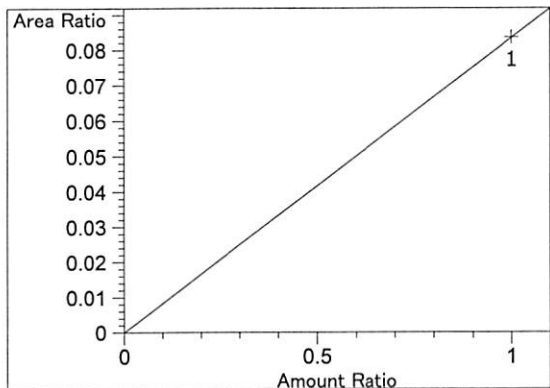
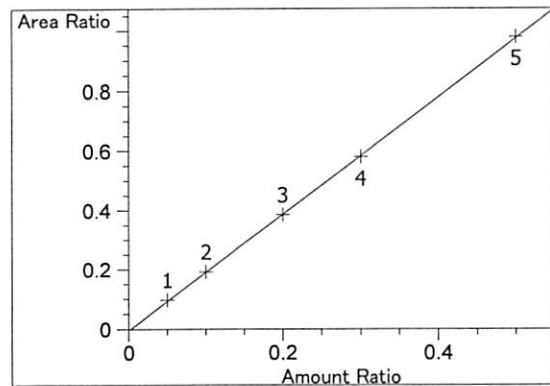methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 8.35561e-2
        b: 0.00000
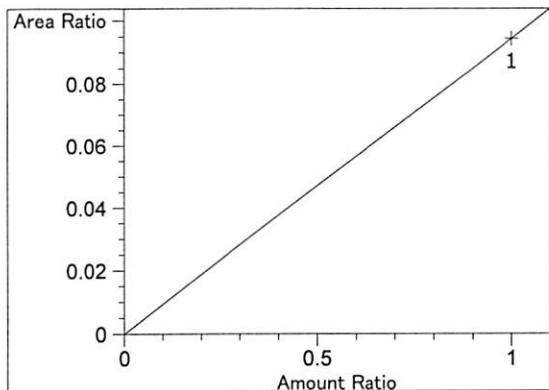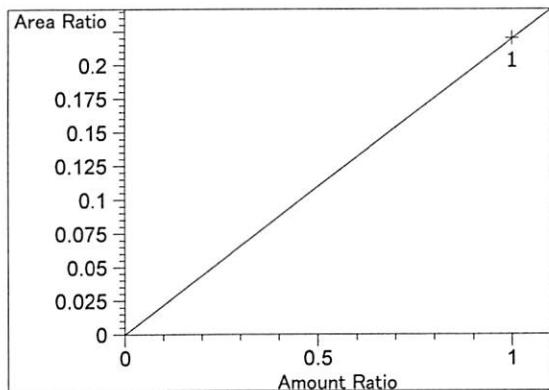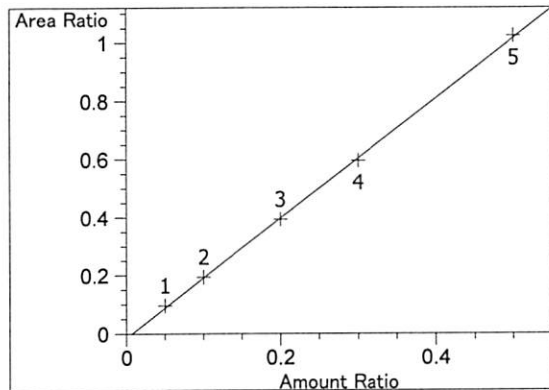   x: Amount Ratio
        y: Area Ratio
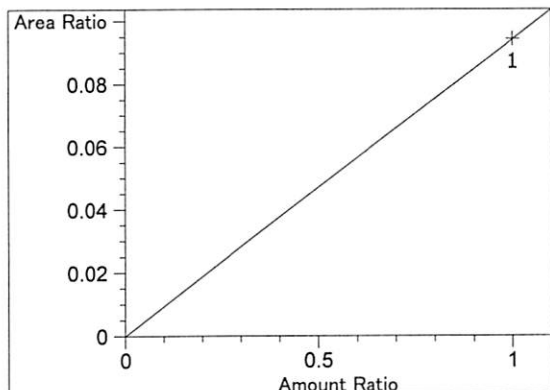
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 9.43101e-2
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio
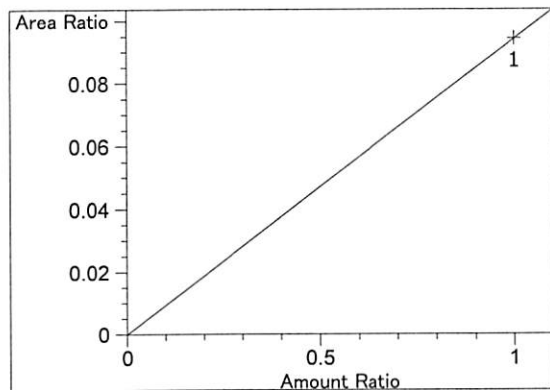
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 9.43101e-2
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99995
Residual Std. Dev.:   0.00405
Formula: y = mx + b
        m: 1.96128
        b: -4.54656e-3
        x: Amount Ratio
        y: Area Ratio

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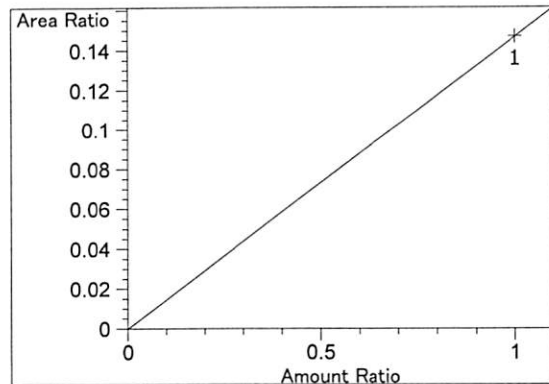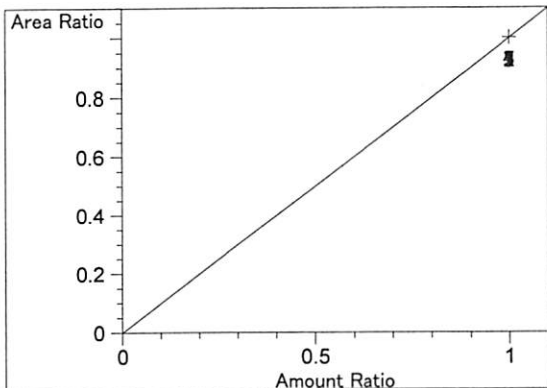

methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 9.43018e-2
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 2.19939e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99982
Residual Std. Dev.:   0.00812
Formula: y = mx + b
        m: 2.06392
        b: -1.41731e-2
        x: Amount Ratio
        y: Area Ratio
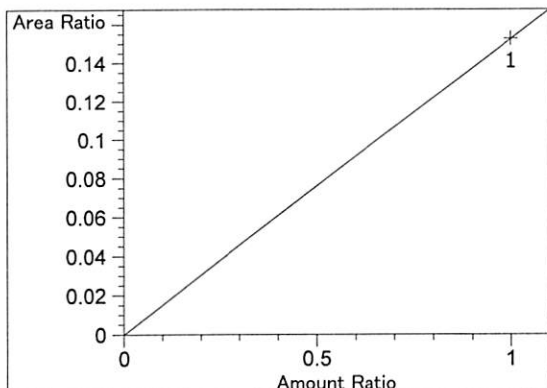

acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.46906e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

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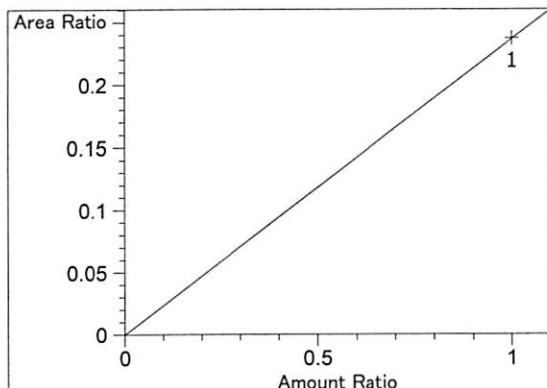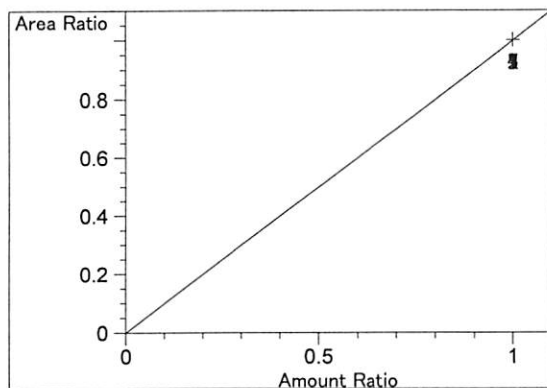

n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.00000
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.52565e-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: 2.36969e-1
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

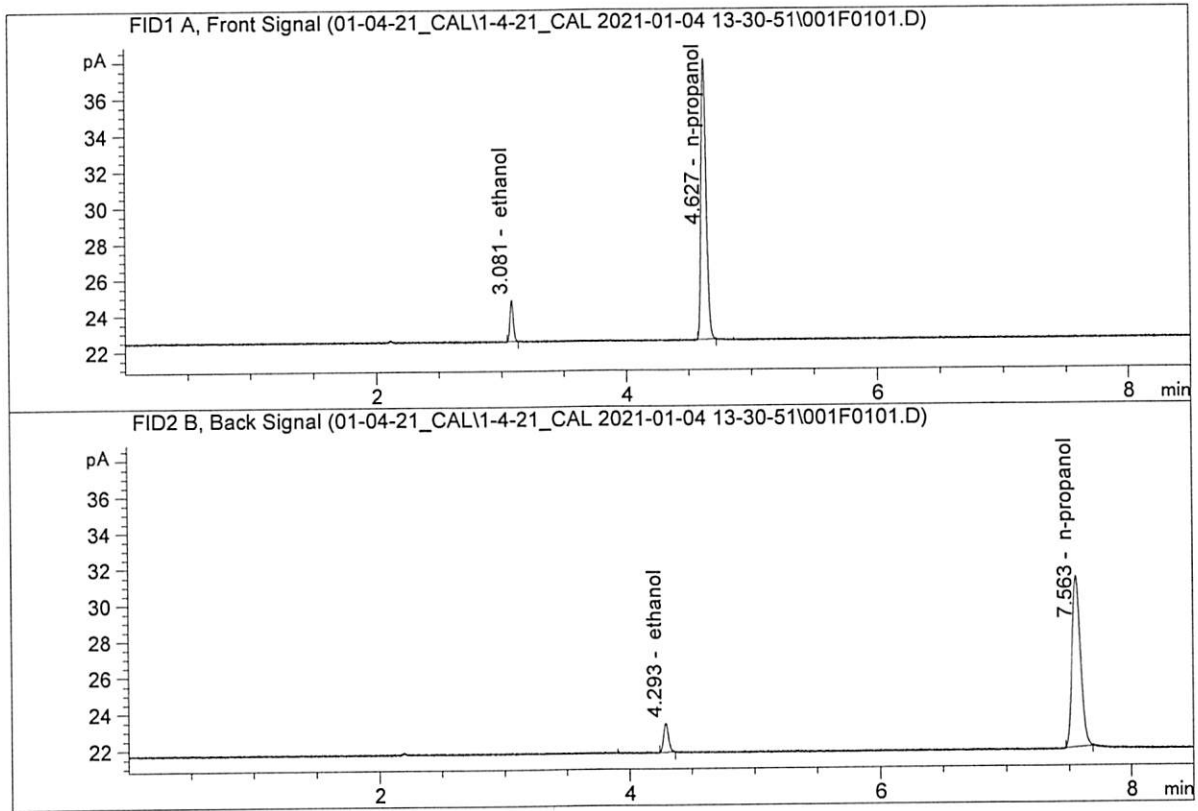n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.00000
        b: 0.00000
        x: Amount Ratio
        y: Area Ratio

==

CN11180014-CN11041167 1/4/2021 2:59:15 PM SYSTEM

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.050 FN05211804
Laboratory   :   Meridian
Injection Date   :   Jan 4, 2021
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\001F0101.D)

FID2 B, Back Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\001F0101.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.28446	0.0517	g/100cc
2.	Ethanol	Column 2:	4.31246	0.0531	g/100cc
3.	n-Propanol	Column 1:	44.24205	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.18072	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.100 FN02271802
Laboratory   :   Meridian
Injection Date   :   Jan 4, 2021
Method   :   ALCOHOL.M
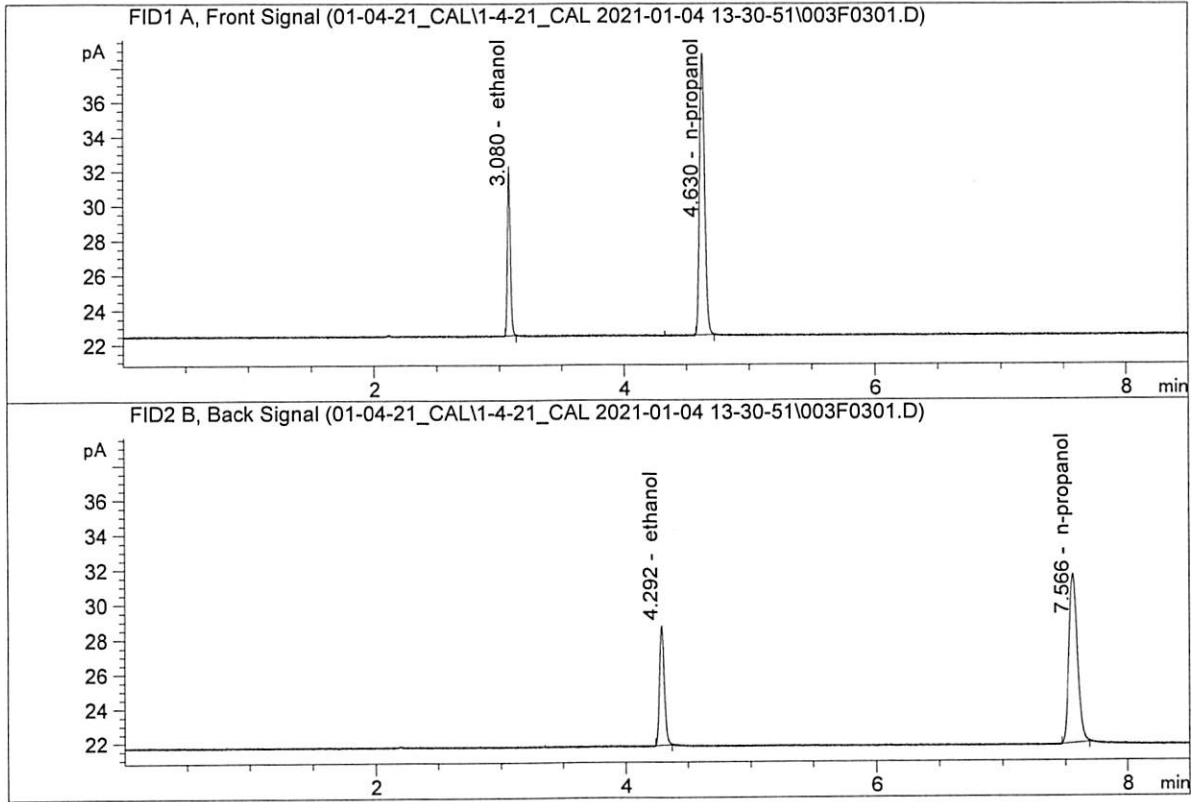Acq. Instrument: CN11180014-CN11041167
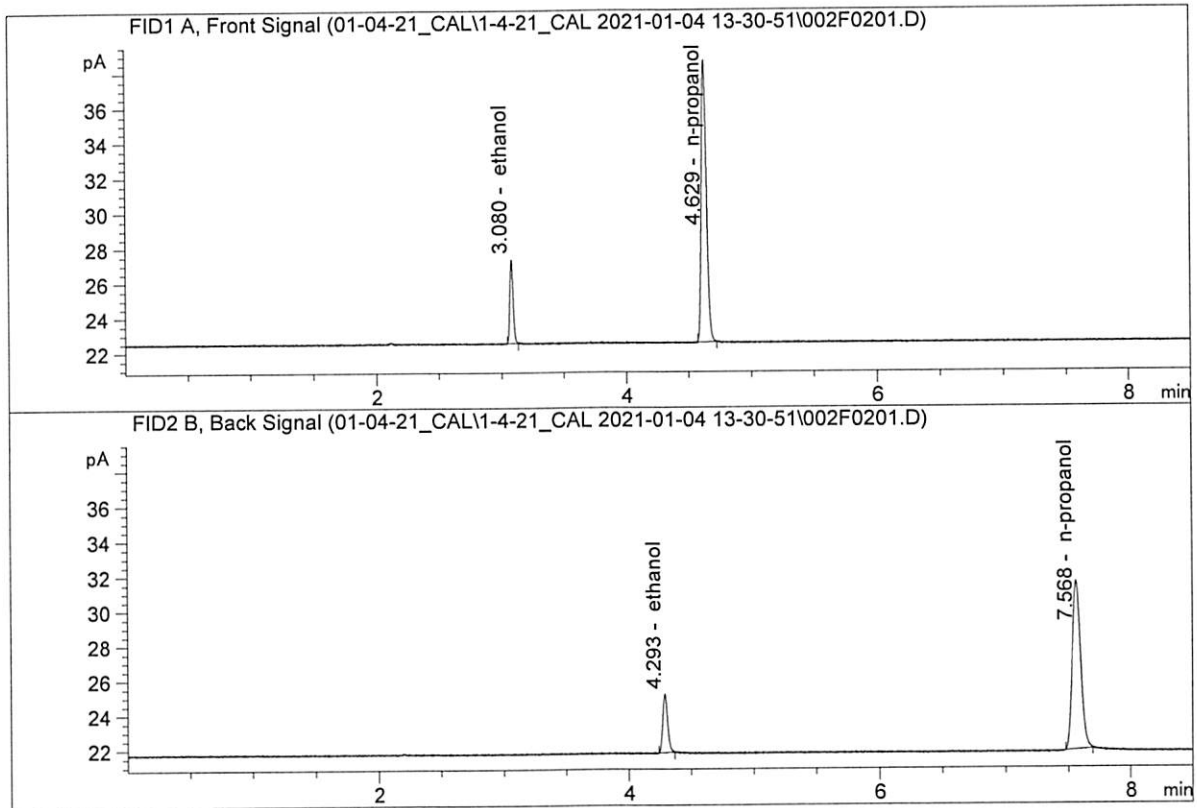
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.82349	0.1002	g/100cc
2.	Ethanol	Column 2:	9.00572	0.1007	g/100cc
3.	n-Propanol	Column 1:	45.96901	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.49321	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.200 FN06231704
Laboratory       :    Meridian
Injection Date   :    Jan 4, 2021
Method           :    ALCOHOL.M
Acq. Instrument:      CN11180014-CN11041167
```
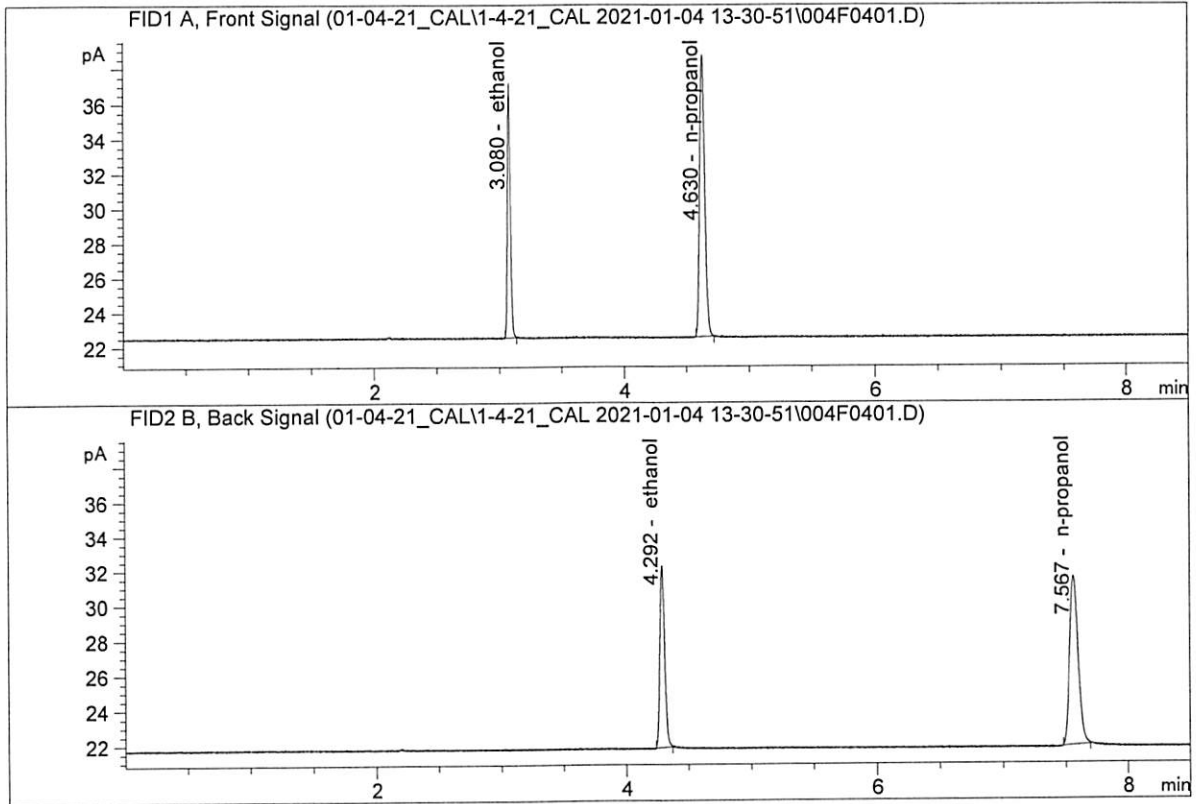

FID1 A, Front Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\003F0301.D)

FID2 B, Back Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\003F0301.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.89816	0.1988	g/100cc
2.	Ethanol	Column 2:	18.42760	0.1972	g/100cc
3.	n-Propanol	Column 1:	46.44999	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.90583	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.300 FN07311804
Laboratory       :   Meridian
Injection Date   :   Jan 4, 2021
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```
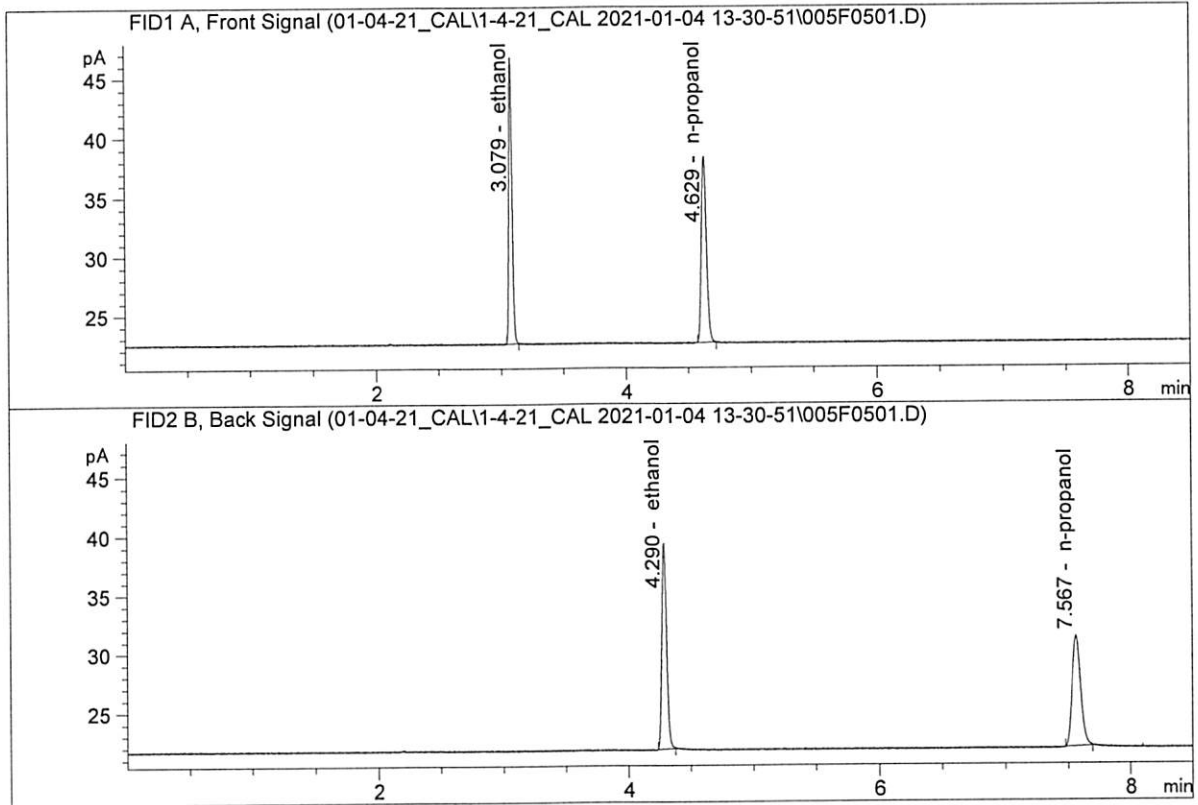

FID1 A, Front Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\004F0401.D)

3.080 - ethanol

4.630 - n-propanol

FID2 B, Back Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\004F0401.D)

4.292 - ethanol

7.567 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.73210	0.2976	g/100cc
2.	Ethanol	Column 2:	27.68876	0.2957	g/100cc
3.	n-Propanol	Column 1:	46.15202	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.44174	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.500 FN08241801
Laboratory   :   Meridian
Injection Date   :   Jan 4, 2021
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\005F0501.D)

FID2 B, Back Signal (01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\005F0501.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.07832	0.5017	g/100cc
2.	Ethanol	Column 2:	46.16857	0.5032	g/100cc
3.	n-Propanol	Column 1:	45.00462	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.06770	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   INTERNAL STANDARD BLANK
Laboratory      :   Meridian
Injection Date  :   Jan 4, 2021
Method          :   ALCOHOL.M
Acq. Instrument:    CN11180014-CN11041167
```
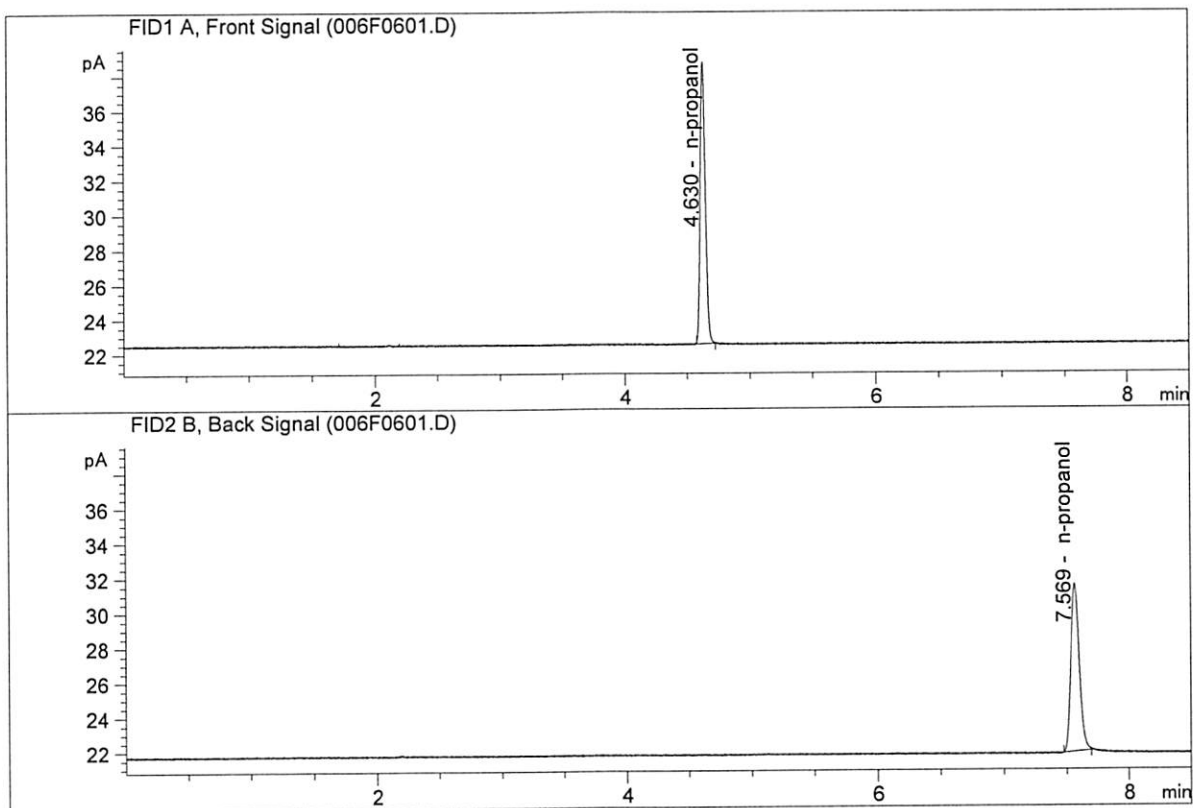

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.17590	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.38419	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\1-4-21_CAL.S

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

Sequence table: C:\Chem32\1\Data\01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\1-4-21_CAL.S
Data directory path: C:\Chem32\1\Data\01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\
Logbook: C:\Chem32\1\Data\01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\1-4-21_CAL.
                       LOG
Sequence start: 1/4/2021 1:45:29 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-04-21_CAL\1-4-21_CAL 2021-01-04 13-30-51\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN05211804	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02271802	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN06231704	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN07311804	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08241801	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1   **Analysis Date(s): 04 Jan 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0741	0.0747	0.0006	0.0744		
(g/100cc)	0.0734	0.0744	0.0010	0.0739	0.0005	0.0741

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
0.074	0.070	0.078	0.004

	Reported Result	
	0.074	

Calibration and control data are stored centrally.

Revision: 3
Issue Date: 12/28/2020 NB
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-1-A
Laboratory       :   Meridian
Injection Date   :   Jan 4, 2021
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (003F0301.D)

FID2 B, Back Signal (003F0301.D)
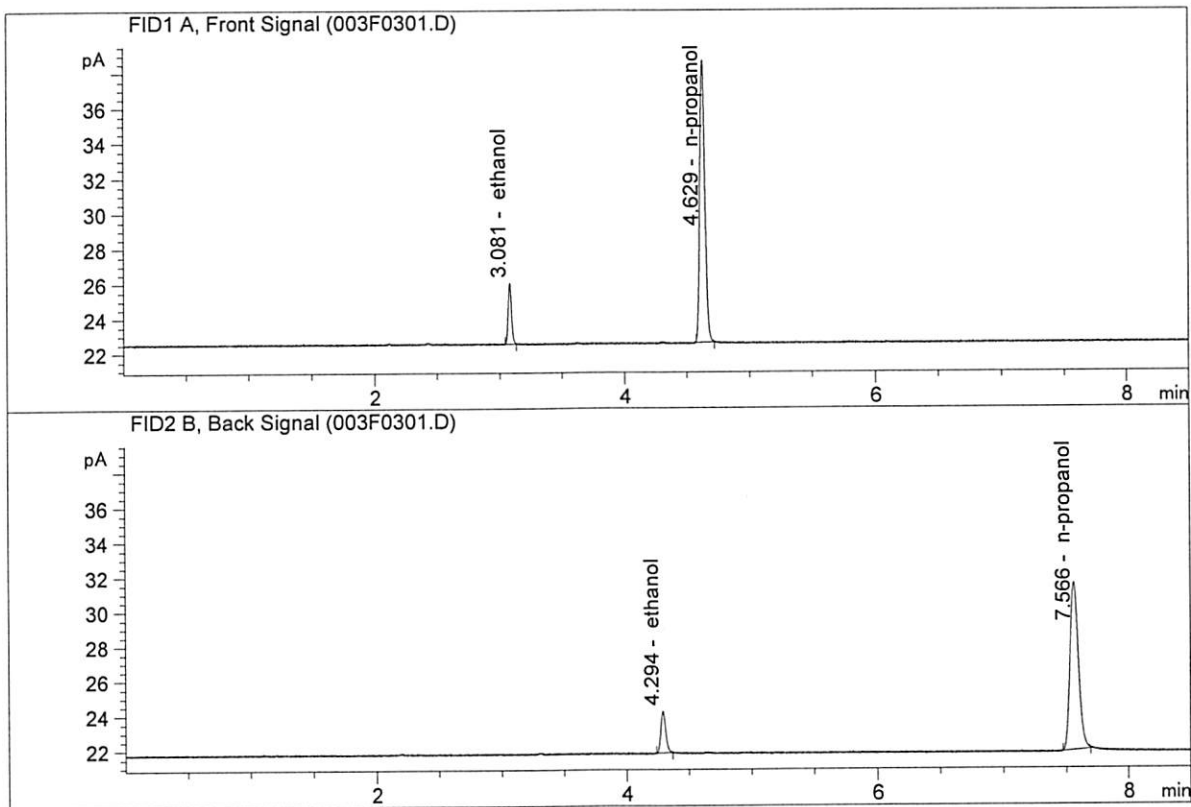
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.47486	0.0741	g/100cc
2.	Ethanol	Column 2:	6.47686	0.0747	g/100cc
3.	n-Propanol	Column 1:	45.96682	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.25044	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   QC1-1-B
Laboratory      :   Meridian
Injection Date  :   Jan 4, 2021
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```
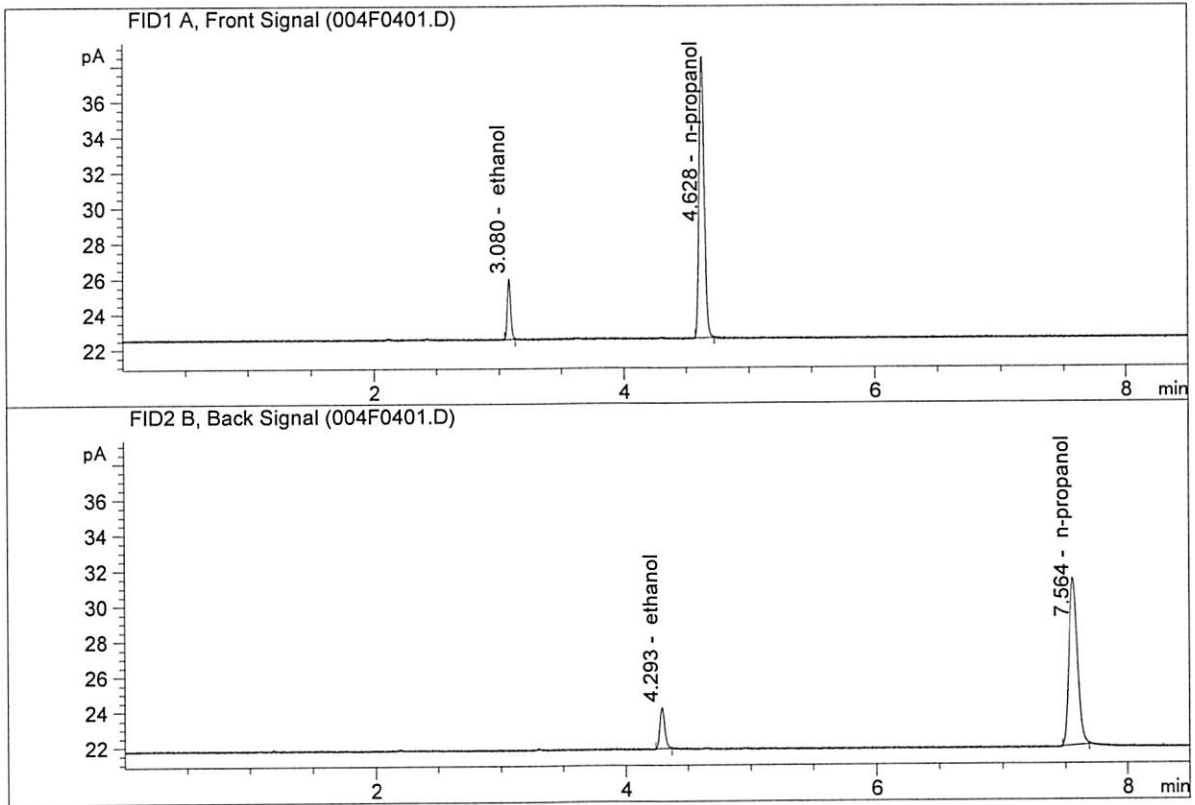

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.34033	0.0734	g/100cc
2.	Ethanol	Column 2:	6.34195	0.0744	g/100cc
3.	n-Propanol	Column 1:	45.46650	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.48394	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2　　　　　**Analysis Date(s): 05 Jan 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0753	0.0761	0.0008	0.0757	0.0006	0.0760
(g/100cc)	0.0756	0.0771	0.0015	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%**

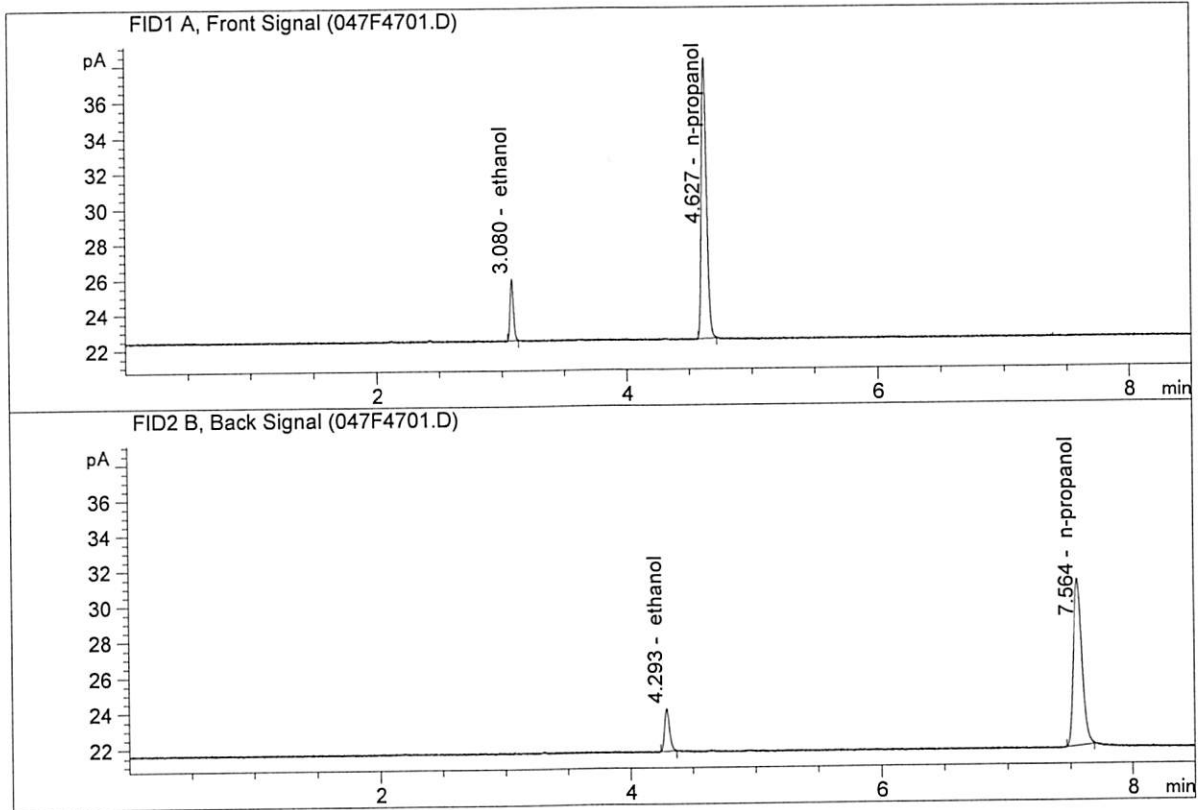| Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   QC1-2-A
Laboratory      :   Meridian
Injection Date  :   Jan 5, 2021
Method          :   ALCOHOL.M
Acq. Instrument:    CN11180014-CN11041167
```


FID1 A, Front Signal (047F4701.D)

3.080 - ethanol
4.627 - n-propanol

FID2 B, Back Signal (047F4701.D)

4.293 - ethanol
7.564 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.46825	0.0753	g/100cc
2.	Ethanol	Column 2:	6.43187	0.0761	g/100cc
3.	n-Propanol	Column 1:	45.15928	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.98244	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-2-B
Laboratory   :   Meridian
Injection Date   :   Jan 5, 2021
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
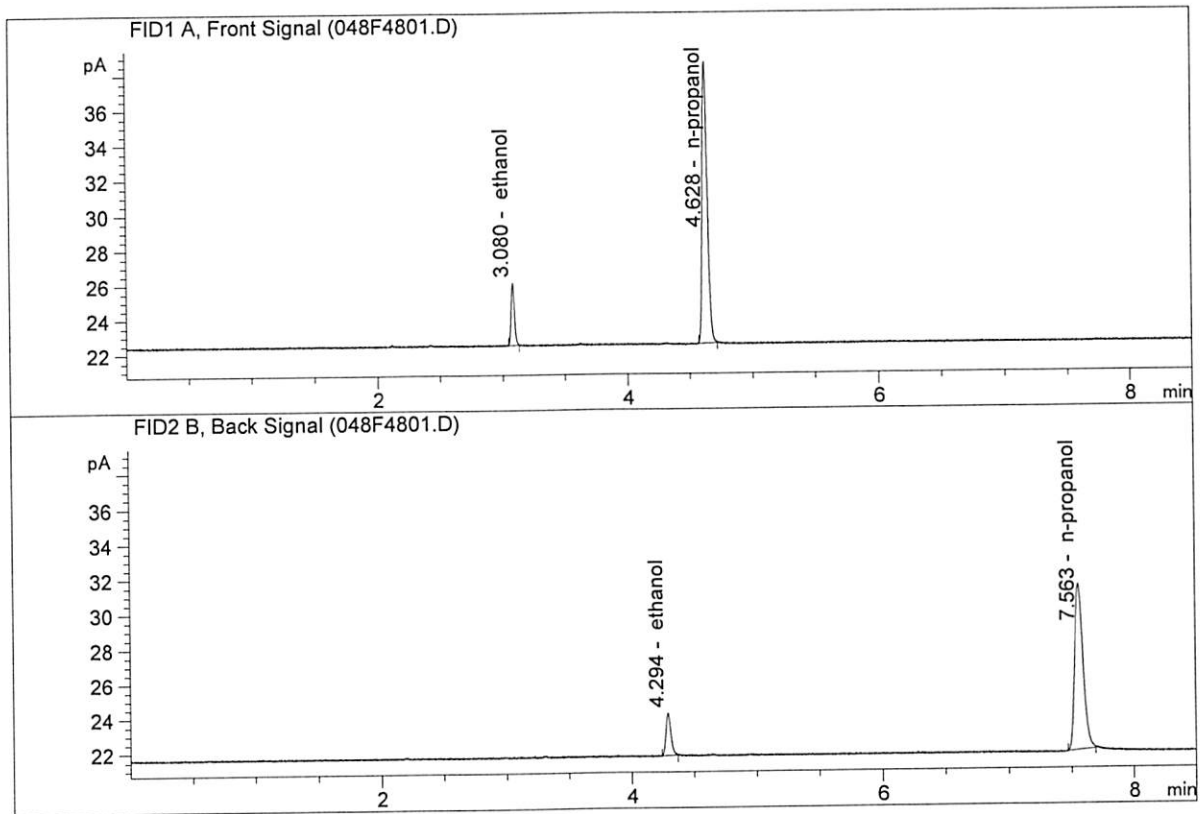
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.61400	0.0756	g/100cc
2.	Ethanol	Column 2:	6.63020	0.0771	g/100cc
3.	n-Propanol	Column 1:	45.99580	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.74895	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1   **Analysis Date(s): 04 Jan 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2022	0.2032	0.0010	0.2027	0.0006	0.2024
(g/100cc)	0.2021	0.2021	0.0000	0.2021		

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

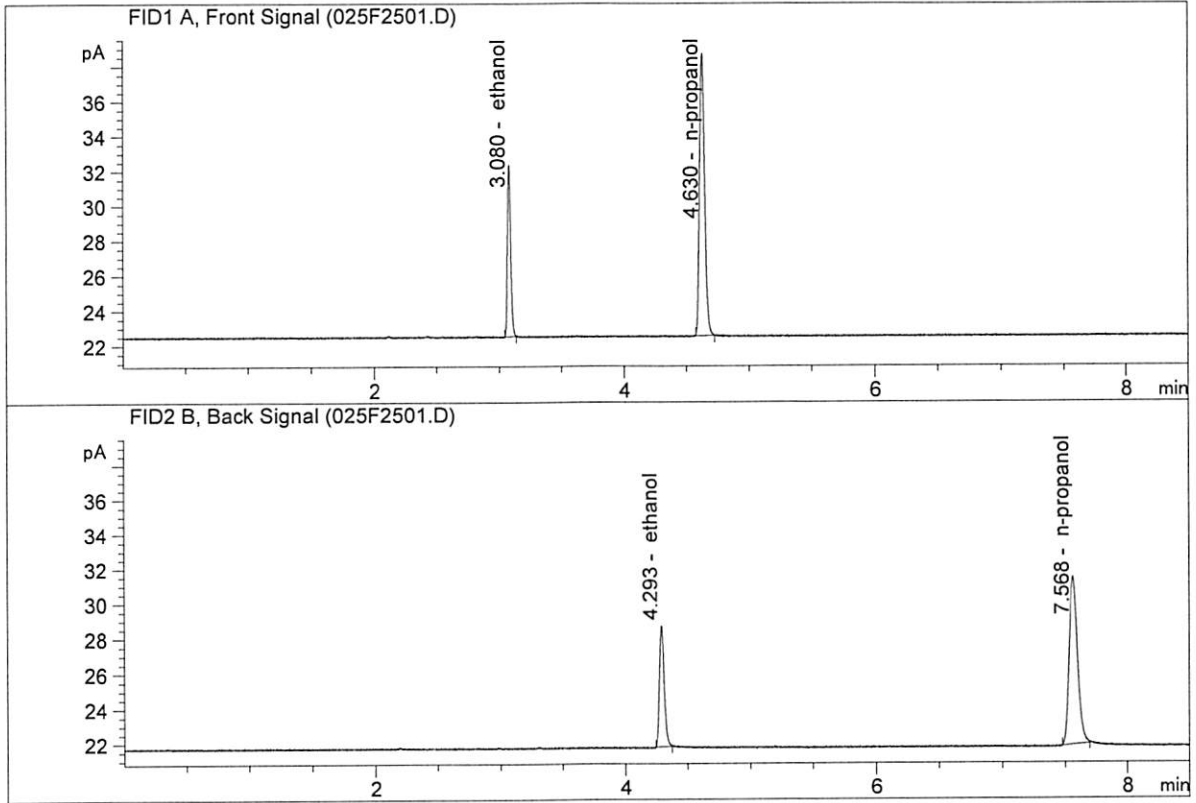**Reporting of Results**   **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.202	0.191	0.213	0.011

	Reported Result	
	0.202	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-A
Laboratory   :   Meridian
Injection Date   :   Jan 4, 2021
Method   :   ALCOHOL.M
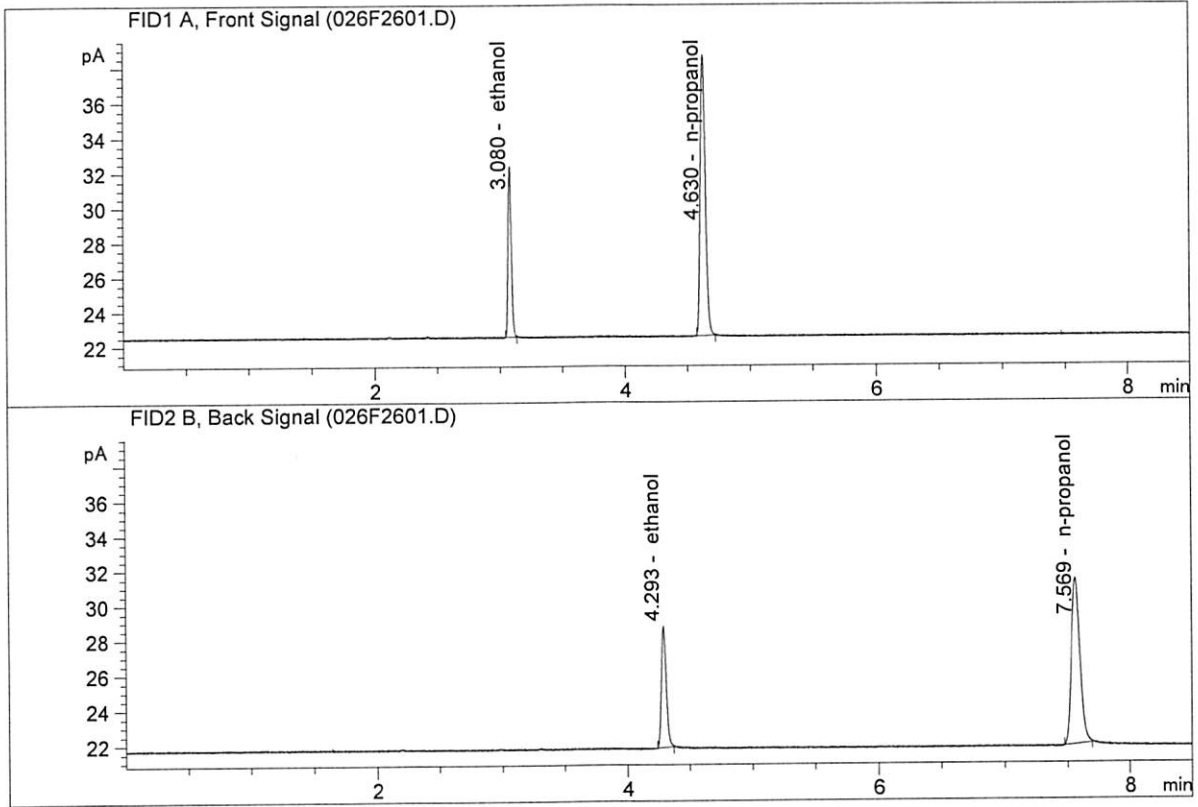Acq. Instrument: CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.04980	0.2022	g/100cc
2.	Ethanol	Column 2:	18.52636	0.2032	g/100cc
3.	n-Propanol	Column 1:	46.03772	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.72264	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-B
Laboratory   :   Meridian
Injection Date :   Jan 4, 2021
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.03813	0.2021	g/100cc
2.	Ethanol	Column 2:	18.44864	0.2021	g/100cc
3.	n-Propanol	Column 1:	46.02977	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.77500	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807　　　**Analysis Date(s): 04 Jan 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0806	0.0808	0.0002	0.0807	0.0012	0.0813
(g/100cc)	0.0812	0.0827	0.0015	0.0819		

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
0.081	0.076	0.086	0.005

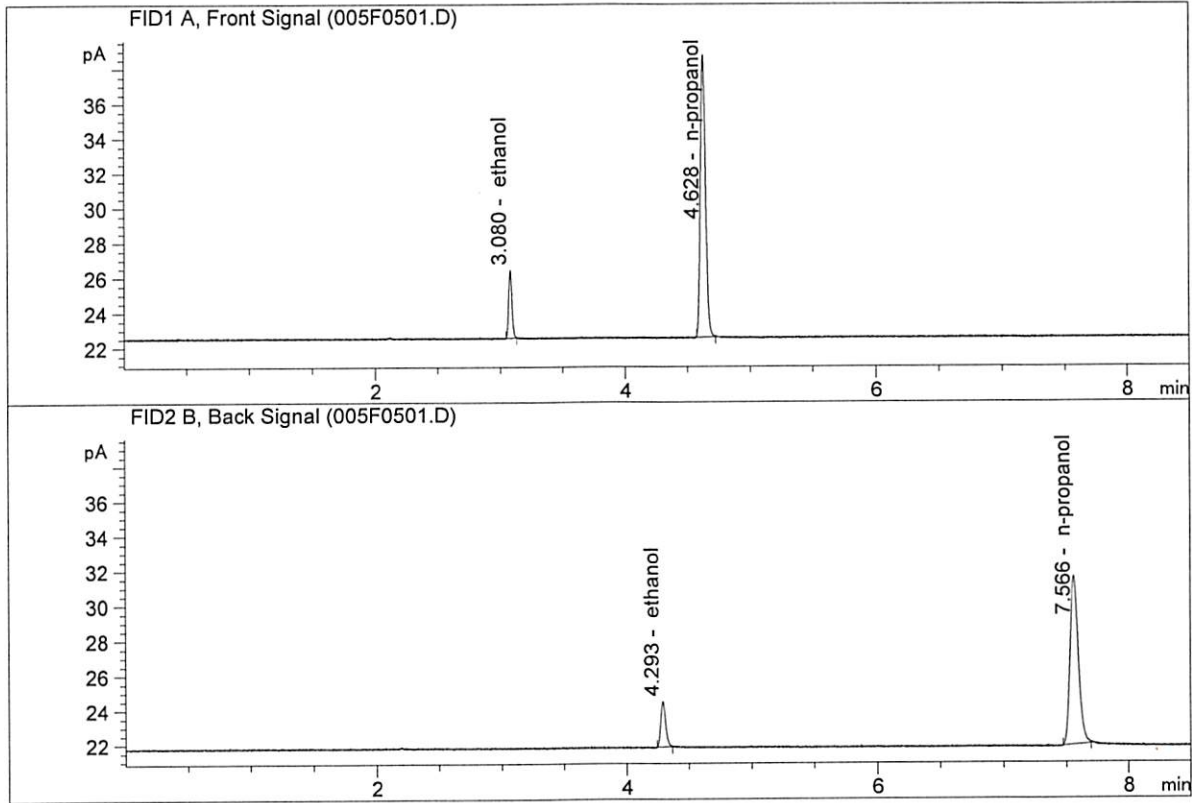|	Reported Result	
	0.081	

Calibration and control data are stored centrally.

NB

1/5/21 NB

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.08 FN09181807-A
Laboratory      :   Meridian
Injection Date  :   Jan 4, 2021
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.07560	0.0806	g/100cc
2.	Ethanol	Column 2:	7.06809	0.0808	g/100cc
3.	n-Propanol	Column 1:	46.11435	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.29470	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.08 FN09181807-B
Laboratory       :   Meridian
Injection Date   :   Jan 4, 2021
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```
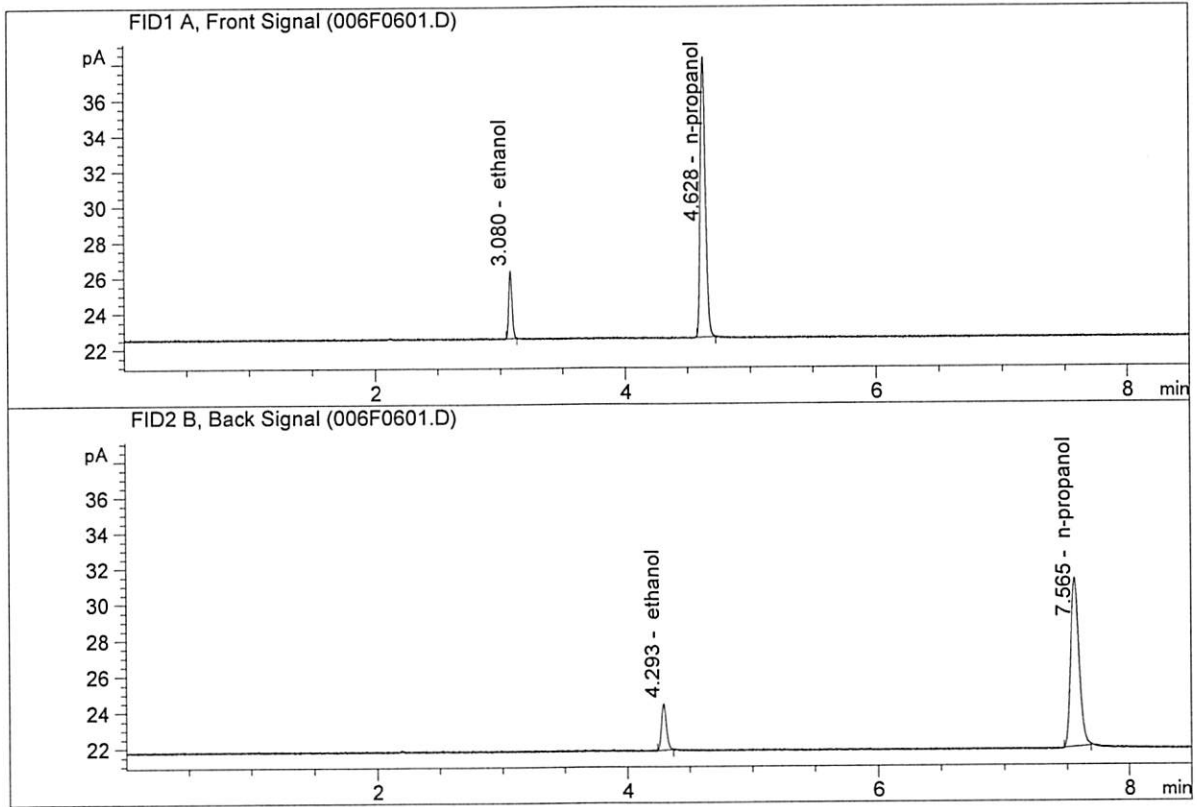

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.91518	0.0812	g/100cc
2.	Ethanol	Column 2:	6.98278	0.0827	g/100cc
3.	n-Propanol	Column 1:	44.70561	1.0000	g/100cc
4.	n-Propanol	Column 2:	44.62857	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   INTERNAL STD BLK 1
Laboratory       :   Meridian
Injection Date   :   Jan 4, 2021
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (001F0101.D)
4.629 - n-propanol

FID2 B, Back Signal (001F0101.D)
7.566 - 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:	45.67424	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.33405	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   MIX VOL FN007101701
Laboratory   :   Meridian
Injection Date   :   Jan 4, 2021
Method   :   ALCOHOL.M
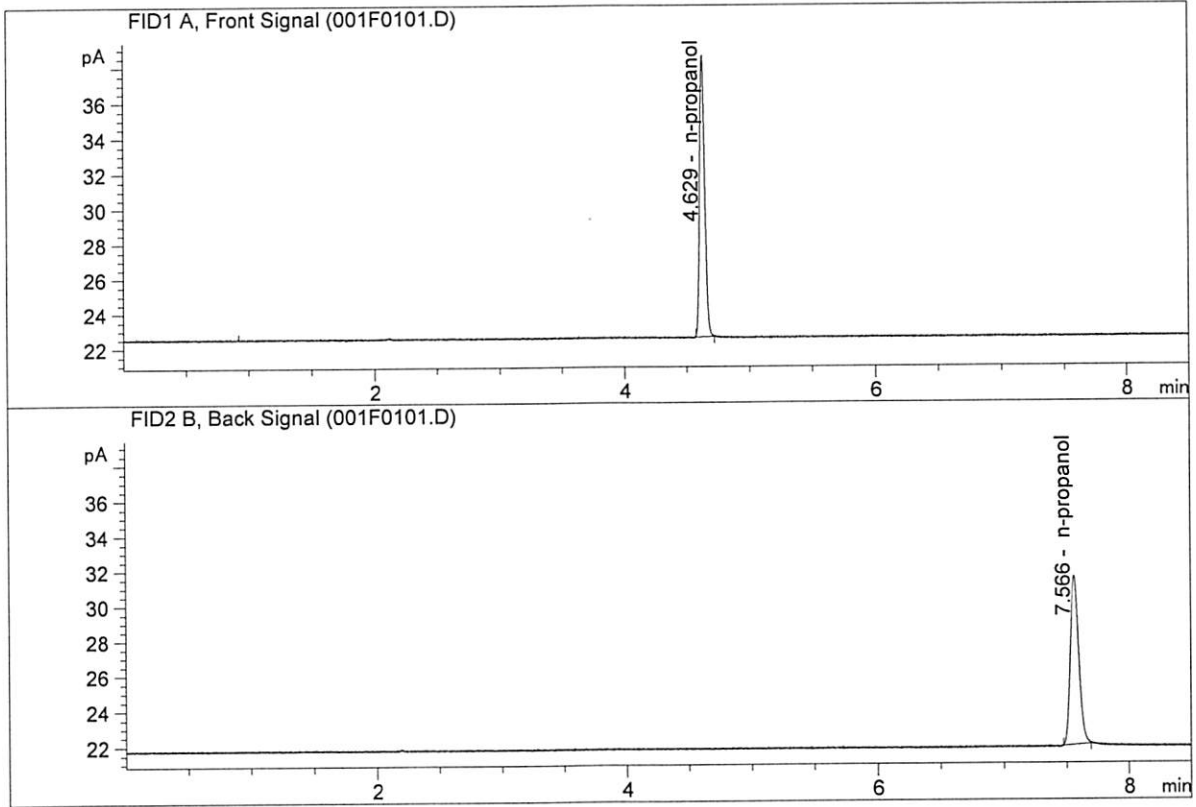Acq. Instrument: CN11180014-CN11041167

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.50280	0.1384	g/100cc
2.	Ethanol	Column 2:	8.66357	0.1402	g/100cc
3.	n-Propanol	Column 1:	31.86823	1.0000	g/100cc
4.	n-Propanol	Column 2:	31.47951	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :    INTERNAL STD BLK
Laboratory      :    Meridian
Injection Date  :    Jan 5, 2021
Method          :    ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```
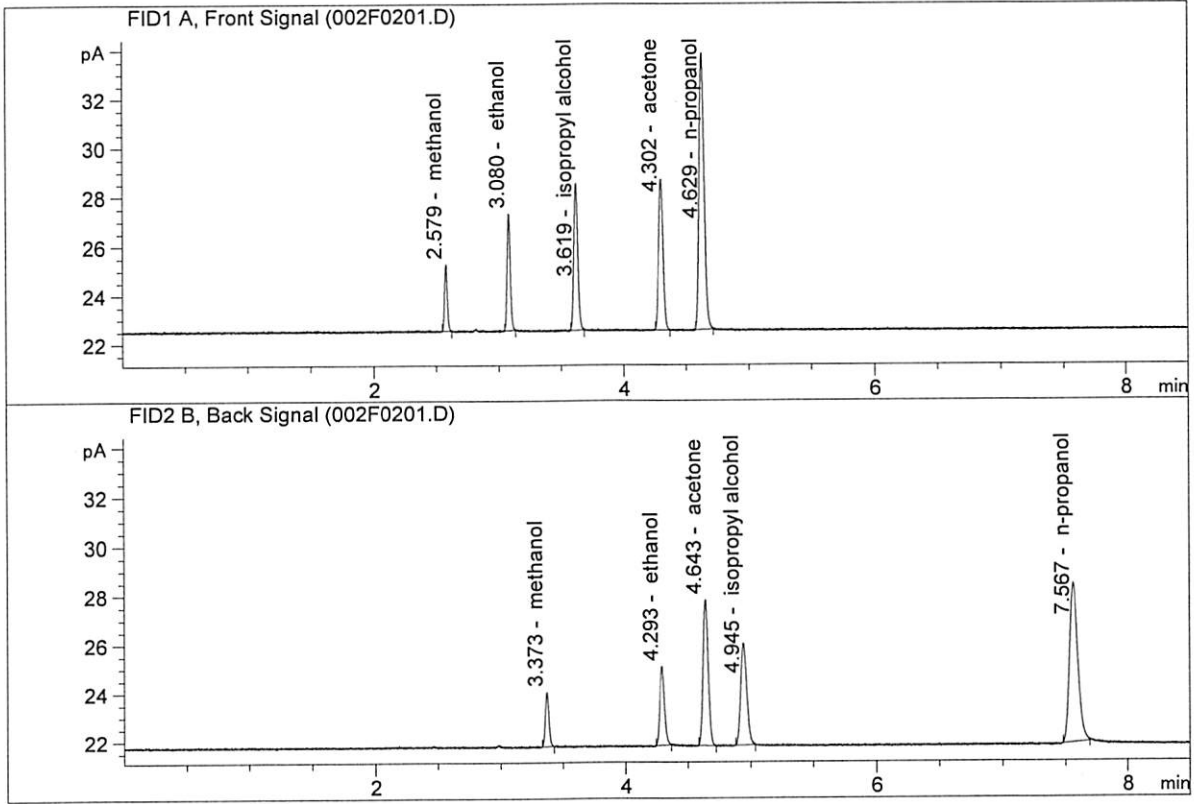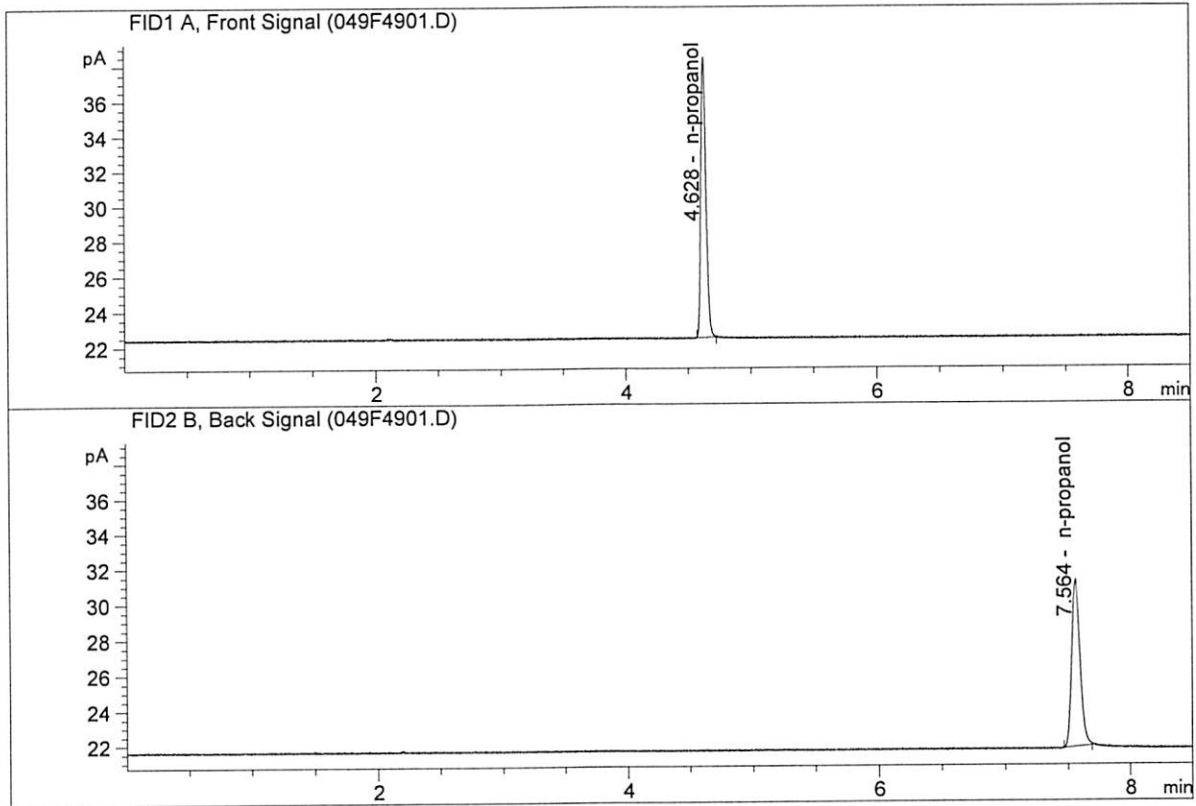

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	45.54436	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.33291	1.0000	g/100cc

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

Sequence table:	C:\Chem32\1\Data\01-04-21_SAMPLES\01-04-20_SAMPLES 2021-01-04 15-58-58\01 04-20_SAMPLES.S
Data directory path:	C:\Chem32\1\Data\01-04-21_SAMPLES\01-04-20_SAMPLES 2021-01-04 15-58-58\
Logbook:	C:\Chem32\1\Data\01-04-21_SAMPLES\01-04-20_SAMPLES 2021-01-04 15-58-58\01 04-20_SAMPLES.LOG
Sequence start:	1/4/2021 4:13:47 PM
Sequence Operator:	SYSTEM
Operator:	SYSTEM
Method file name:	C:\Chem32\1\Data\01-04-21_SAMPLES\01-04-20_SAMPLES 2021-01-04 15-58-58 \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 FN007101	-	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 FN09181807-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	M2020-5169-1-A	-	1.0000	007F0701.D		4
8	8	1	M2020-5169-1-B	-	1.0000	008F0801.D		4
9	9	1	M2020-5171-1-A	-	1.0000	009F0901.D		4
10	10	1	M2020-5171-1-B	-	1.0000	010F1001.D		4
11	11	1	M2020-5172-1-A	-	1.0000	011F1101.D		4
12	12	1	M2020-5172-1-B	-	1.0000	012F1201.D		4
13	13	1	M2020-5173-1-A	-	1.0000	013F1301.D		4
14	14	1	M2020-5173-1-B	-	1.0000	014F1401.D		4
15	15	1	M2020-5174-1-A	-	1.0000	015F1501.D		4
16	16	1	M2020-5174-1-B	-	1.0000	016F1601.D		4
17	17	1	M2020-5175-1-A	-	1.0000	017F1701.D		4
18	18	1	M2020-5175-1-B	-	1.0000	018F1801.D		4
19	19	1	M2020-5176-1-A	-	1.0000	019F1901.D		4
20	20	1	M2020-5176-1-B	-	1.0000	020F2001.D		4
21	21	1	M2020-5199-1-A	-	1.0000	021F2101.D		4
22	22	1	M2020-5199-1-B	-	1.0000	022F2201.D		4
23	23	1	M2020-5200-1-A	-	1.0000	023F2301.D		4
24	24	1	M2020-5200-1-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	M2020-5215-3-A	-	1.0000	027F2701.D		2
28	28	1	M2020-5215-3-B	-	1.0000	028F2801.D		2
29	29	1	M2020-5262-1-A	-	1.0000	029F2901.D		4
30	30	1	M2020-5262-1-B	-	1.0000	030F3001.D		4
31	31	1	M2020-5270-1-A	-	1.0000	031F3101.D		2
32	32	1	M2020-5270-1-B	-	1.0000	032F3201.D		2
33	33	1	M2020-5276-1-A	-	1.0000	033F3301.D		4
34	34	1	M2020-5276-1-B	-	1.0000	034F3401.D		4
35	35	1	M2020-5277-1-A	-	1.0000	035F3501.D		4
36	36	1	M2020-5277-1-B	-	1.0000	036F3601.D		4
37	37	1	M2020-5278-1-A	-	1.0000	037F3701.D		4
38	38	1	M2020-5278-1-B	-	1.0000	038F3801.D		4
39	39	1	M2020-5295-1-A	-	1.0000	039F3901.D		2
40	40	1	M2020-5295-1-B	-	1.0000	040F4001.D		2
41	41	1	M2020-5332-1-A	-	1.0000	041F4101.D		4
42	42	1	M2020-5332-1-B	-	1.0000	042F4201.D		4
43	43	1	M2020-5333-1-A	-	1.0000	043F4301.D		4

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2020-5333-1-B	-	1.0000	044F4401.D		4
45	45	1	M2020-5334-1-A	-	1.0000	045F4501.D		4
46	46	1	M2020-5334-1-B	-	1.0000	046F4601.D		4
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\01-04-21_SAMPLES\01-04-20_SAMPLES 2021-01-04 15-58-58
                       \SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
50	50	1	EMPTY	-	1.0000	050F5001.D		0