Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor   **Serial Number:** ML600HCl1378

Analytical Method(s): 1.0

Run Date(s): 1/15/19-1/16/19

Volatiles Quality Assurance Controls

Calibration:1/15/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0805	g/100cc
					0.0828	g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2046	g/100cc
					0.2035	g/100cc

Multi-Component mixture:

Curve Fit:	Exp Date: Sept 2020	Column 1	Lot #	FN06041502	Column2
		0.99999			0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0510	0.0523	0.0013	0.0516
100	0.100	0.090 - 0.110	0.0992	0.0997	0.0005	0.0994
200	0.200	0.180 - 0.220	0.1992	0.1978	0.0014	0.1985
300	0.300	0.270 - 0.330	0.3004	0.2987	0.0017	0.2995
500	0.500	0.450 - 0.550	0.5001	0.5015	0.0014	0.5008

Aqueous Controls

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

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

JG

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Worklist: 2886

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
M2019-0047	2	136174	Alcohol Analysis	
M2019-0077	1	136178	Alcohol Analysis	
M2019-0078	1	136179	Alcohol Analysis	
M2019-0080	1	136181	Alcohol Analysis	
M2019-0081	1	136182	Alcohol Analysis	
M2019-0200	1	136865	Alcohol Analysis	
M2019-0201	1	136866	Alcohol Analysis	
M2019-0202	2	136870	Alcohol Analysis	
M2019-0204	1	136873	Alcohol Analysis	
M2019-0205	1	136874	Alcohol Analysis	
M2019-0206	1	136875	Alcohol Analysis	
M2019-0216	1	136892	Alcohol Analysis	
M2019-0229	1	136910	Alcohol Analysis	
M2019-0230	1	136911	Alcohol Analysis	
M2019-0235	1	137004	Alcohol Analysis	
M2019-0236	1	137019	Alcohol Analysis	
M2019-0242	1	137106	Alcohol Analysis	
M2019-0243	1	137107	Alcohol Analysis	
M2019-0271	1	137175	Alcohol Analysis	

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.050 FN04271601
Laboratory       :   Meridian
Injection Date   :   Jan 15, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\001F0101.D)

FID2 B, Back Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\001F0101.D)
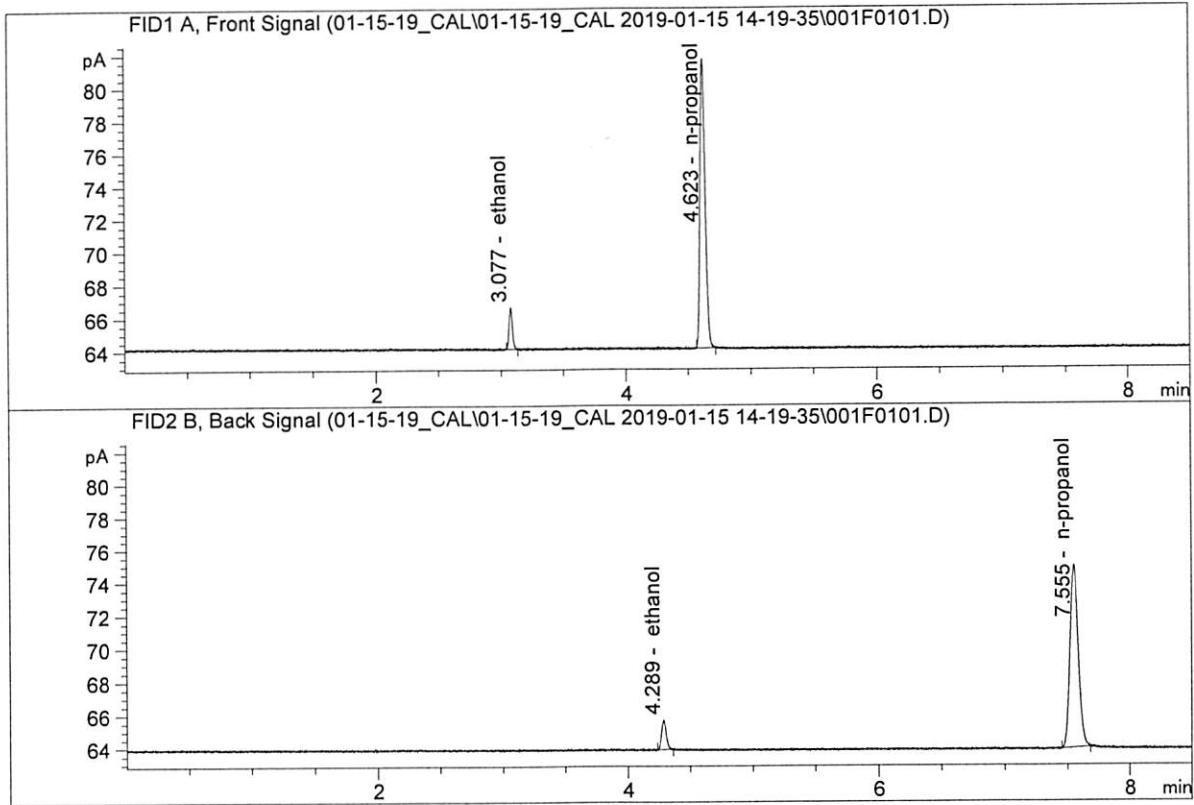
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.61959	0.0510	g/100cc
2.	Ethanol	Column 2:	4.73091	0.0523	g/100cc
3.	n-Propanol	Column 1:	49.92757	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.55404	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.100 FN08101601
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
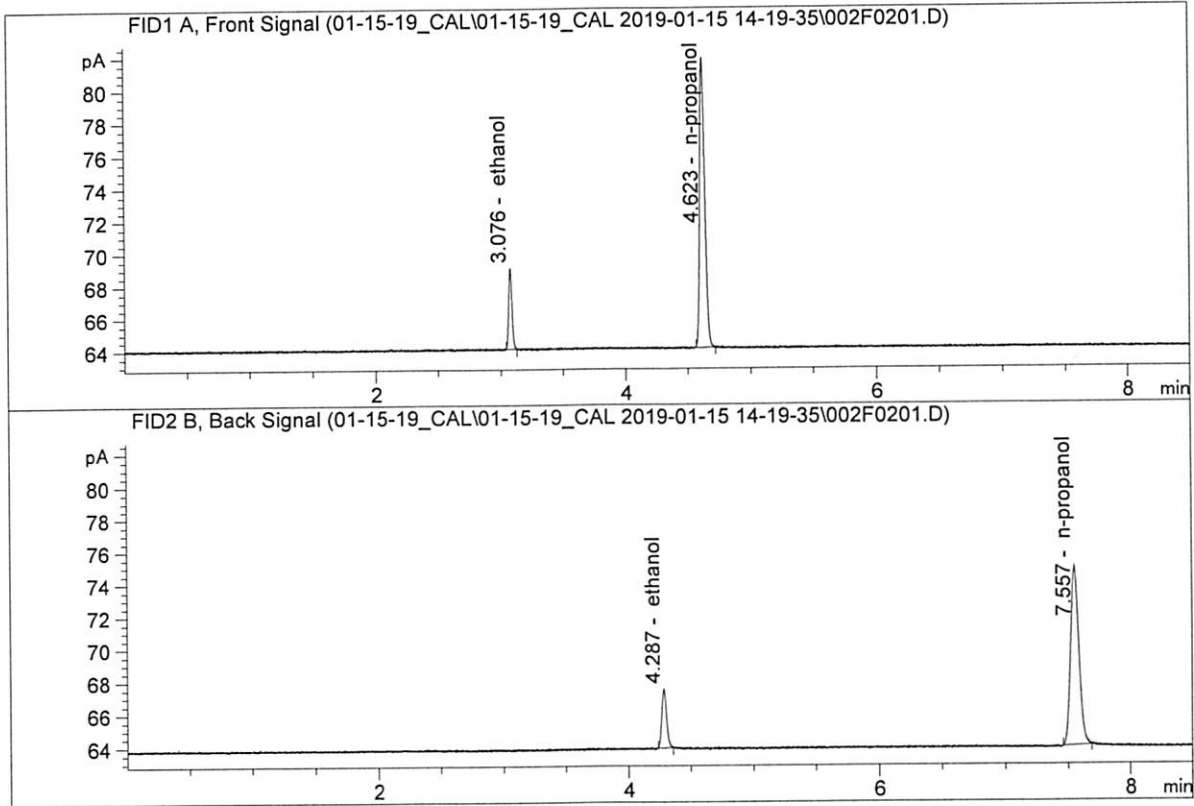
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.19858	0.0992	g/100cc
2.	Ethanol	Column 2:	9.54004	0.0997	g/100cc
3.	n-Propanol	Column 1:	50.50491	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.62359	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   : 0.200 FN03301601
Laboratory   : Meridian
Injection Date : Jan 15, 2019
Method   : ALCOHOL.M
Acq. Instrument : CN11180014-CN11041167

FID1 A, Front Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\003F0301.D)

FID2 B, Back Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\003F0301.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56516	0.1992	g/100cc
2.	Ethanol	Column 2:	19.33027	0.1978	g/100cc
3.	n-Propanol	Column 1:	50.43311	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.25807	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300 FN06051501
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
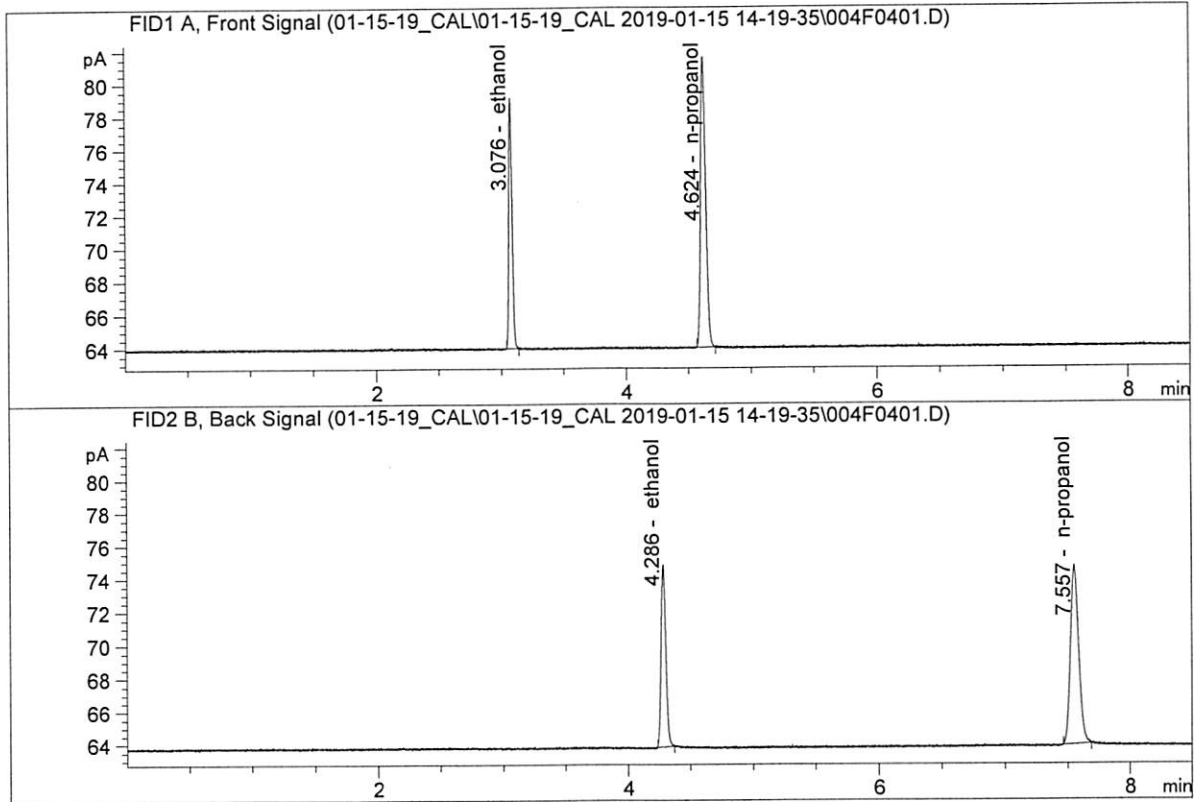
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.70694	0.3004	g/100cc
2.	Ethanol	Column 2:	29.08207	0.2987	g/100cc
3.	n-Propanol	Column 1:	49.80059	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.57576	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.500 FN08031602
Laboratory       :   Meridian
Injection Date   :   Jan 15, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```

FID1 A, Front Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\005F0501.D)

FID2 B, Back Signal (01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\005F0501.D)
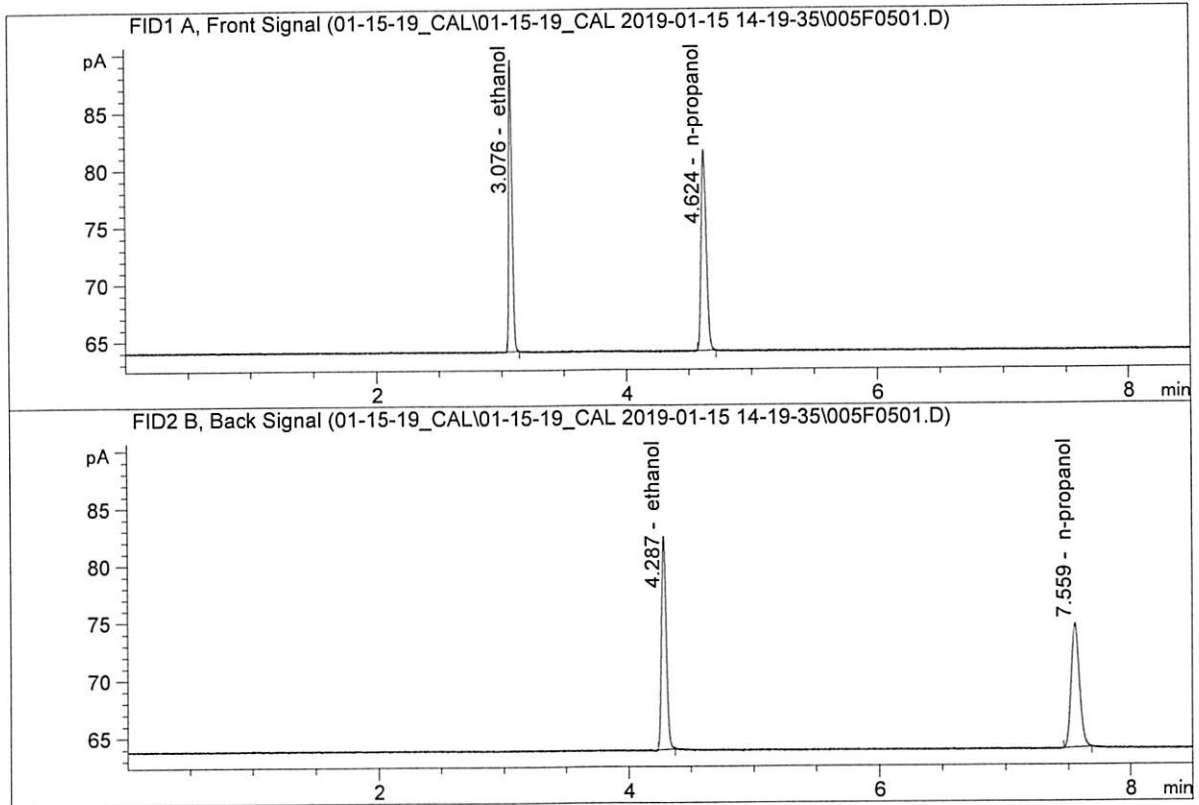
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.18423	0.5001	g/100cc
2.	Ethanol	Column 2:	48.84401	0.5015	g/100cc
3.	n-Propanol	Column 1:	49.78487	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.20943	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STANDARD BLANK
Laboratory   :   Meridian
Injection Date :   Jan 15, 2019
Method   :   ALCOHOL.M
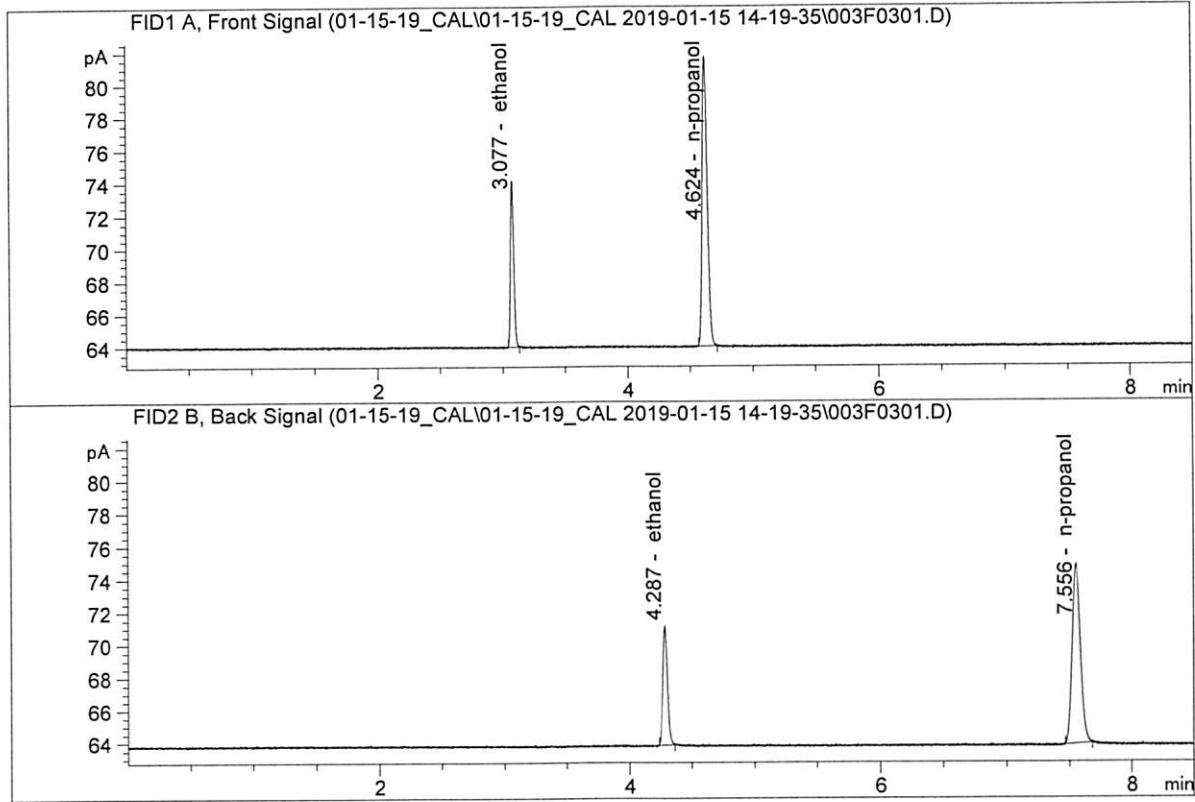Acq. Instrument: CN11180014-CN11041167
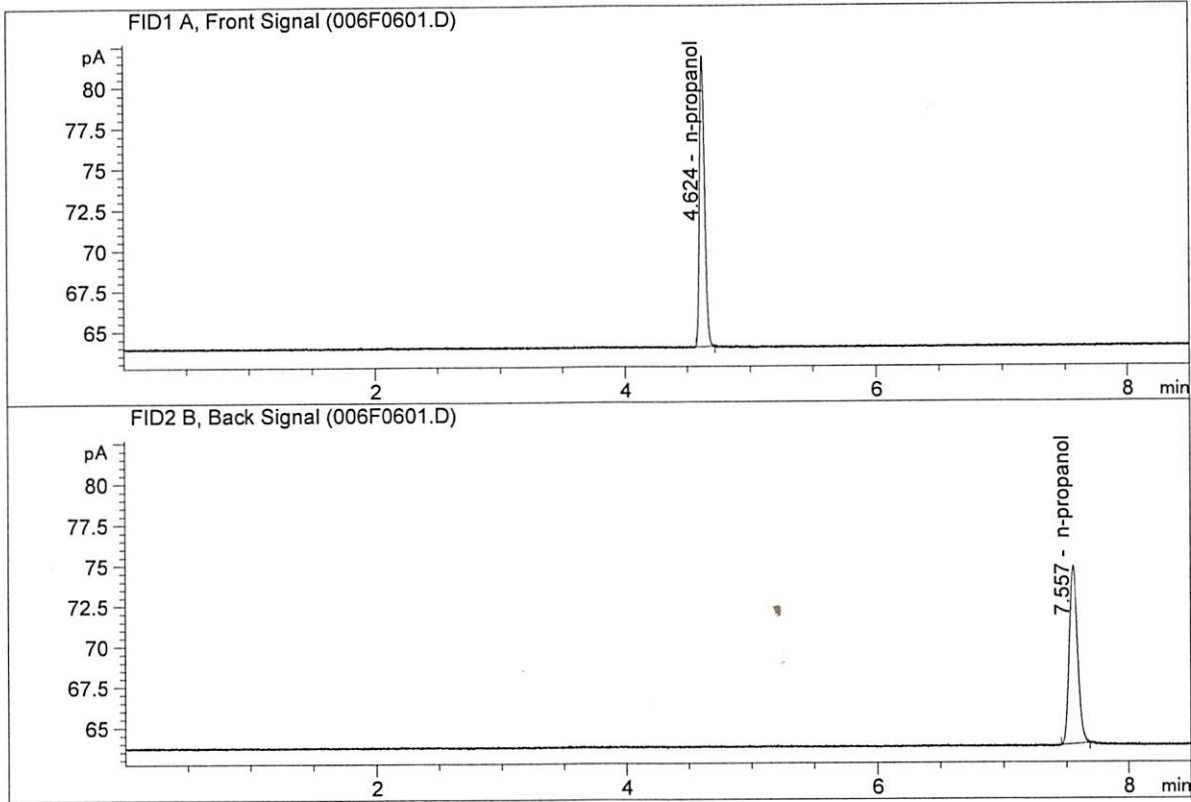
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	50.72374	1.0000	g/100cc
4.	n-Propanol	Column 2:	52.33178	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\01-15-19_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\01-15-19_
                         CAL.S
Data directory path: C:\Chem32\1\Data\01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\
Logbook: C:\Chem32\1\Data\01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\01-15-19_
                         CAL.LOG
Sequence start: 1/15/2019 2:34:09 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-15-19_CAL\01-15-19_CAL 2019-01-15 14-19-35\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 FN06051501	-	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 C:\CHEM32\1\METHODS\ALCOHOL.M

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



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


Calib. Data Modified   :    Tuesday, January 15, 2019 3:24:41 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 [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	4.61959	1.08235e-2	No	No	1	ethanol
		2	1.00000e-1	9.19858	1.08712e-2				
		3	2.00000e-1	18.56516	1.07729e-2				
		4	3.00000e-1	27.70694	1.08276e-2				
		5	5.00000e-1	46.18423	1.08262e-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	4.73091	1.05688e-2	No	No	2	ethanol
		2	1.00000e-1	9.54004	1.04821e-2				
		3	2.00000e-1	19.33027	1.03465e-2				
		4	3.00000e-1	29.08207	1.03156e-2				
		5	5.00000e-1	48.84401	1.02367e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	49.92757	2.00290e-2	No	Yes	1	n-propanol
		2	1.00000	50.50491	1.98001e-2				
		3	1.00000	50.43311	1.98282e-2				
		4	1.00000	49.80059	2.00801e-2				
		5	1.00000	49.78487	2.00864e-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	52.55404	1.90280e-2	No	Yes	2	n-propanol
		2	1.00000	52.62359	1.90029e-2				
		3	1.00000	52.25807	1.91358e-2				
		4	1.00000	51.57576	1.93890e-2				
		5	1.00000	51.20943	1.95277e-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
===
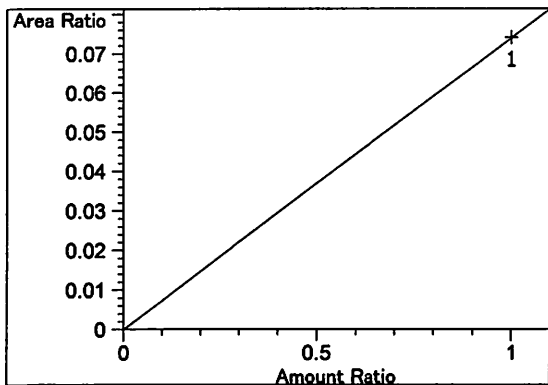
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
          m: 7.40411e-2
          b: 0.00000
          x: Amount Ratio
          y: Area Ratio
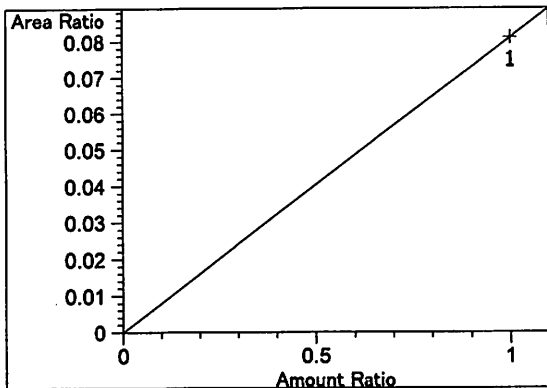
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 8.10784e-2
         b: 0.00000
         x: Amount Ratio
         y: Area Ratio

Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
         m: 8.10784e-2
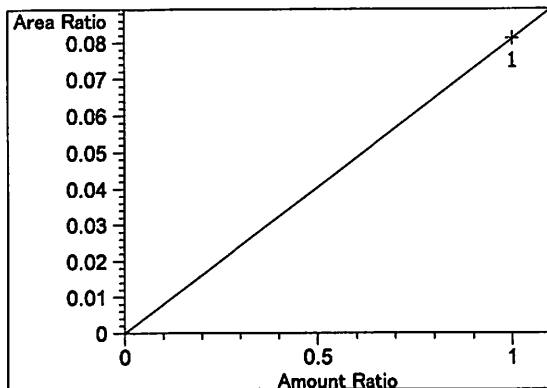   b: 0.00000
         x: Amount Ratio
         y: Area Ratio

ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.:   0.00170
Formula: y = mx + b
         m: 1.85970
         b: -2.37087e-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: 8.10713e-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: 1.94893e-1
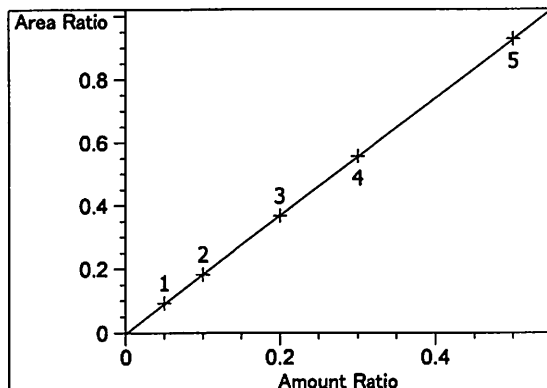   b: 0.00000
        x: Amount Ratio
        y: Area Ratio

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99995
Residual Std. Dev.:   0.00413
Formula: y = mx + b
        m: 1.92290
        b: -1.04895e-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: 1.30177e-1
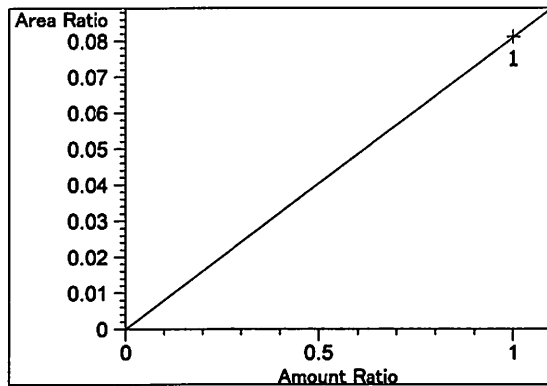   b: 0.00000
        x: Amount Ratio
        y: Area Ratio

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
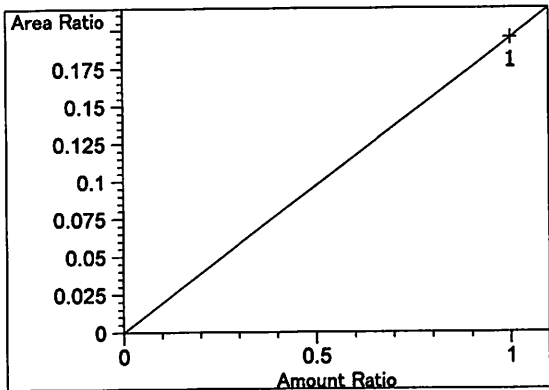   b: 0.00000
        x: Amount Ratio
        y: Area Ratio

acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.31160e-1
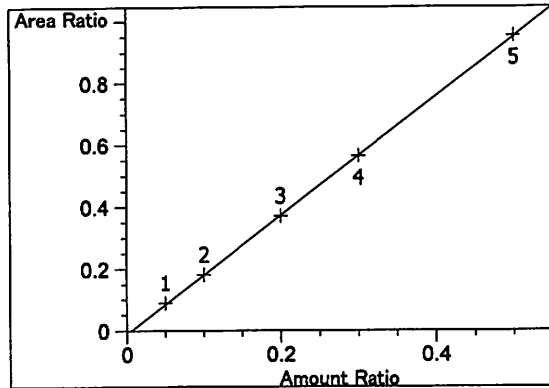   b: 0.00000
        x: Amount Ratio
        y: Area Ratio
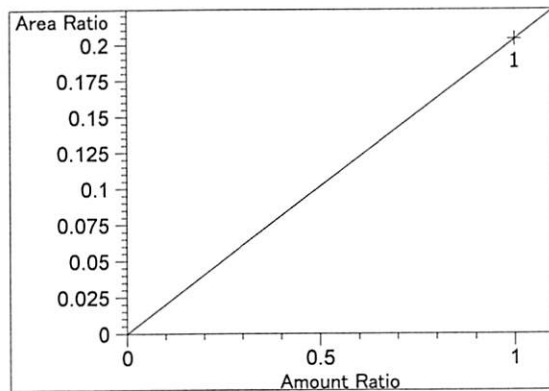
isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 2.03722e-1
        b: 0.00000
        x: Amount Ratio
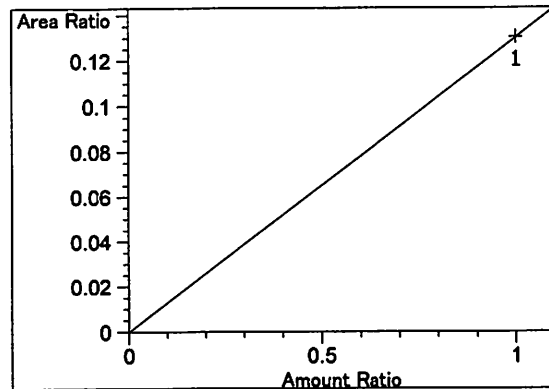   y: Area Ratio
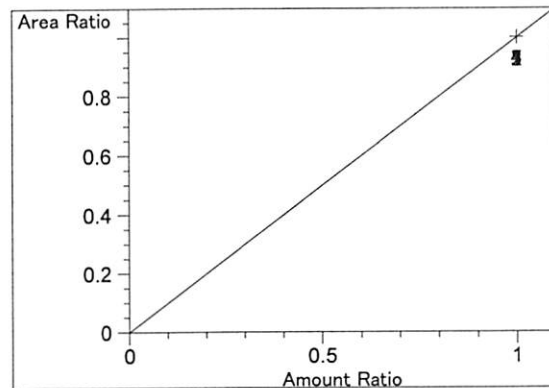
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx + b
        m: 1.00000
        b: 0.00000
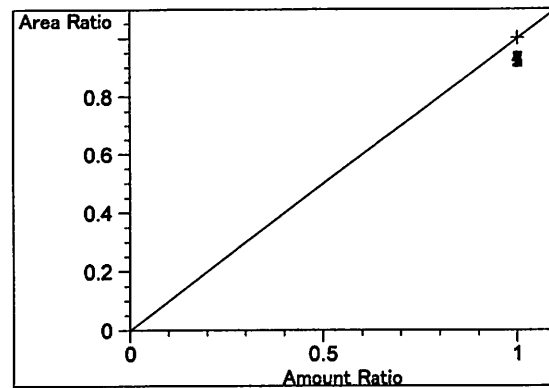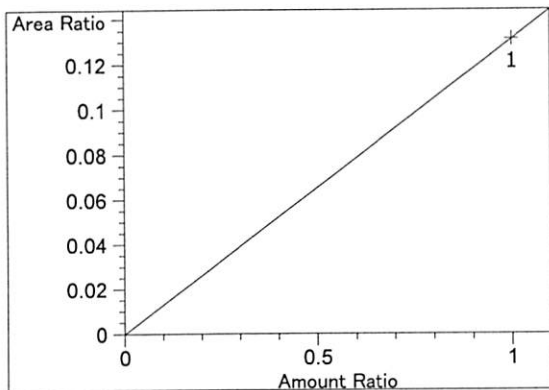   x: Amount Ratio
        y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STD BLK 1
Laboratory   :   Meridian
Injection Date   :   Jan 15, 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:	49.63353	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.42564	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   MIX VOL FN06041502
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
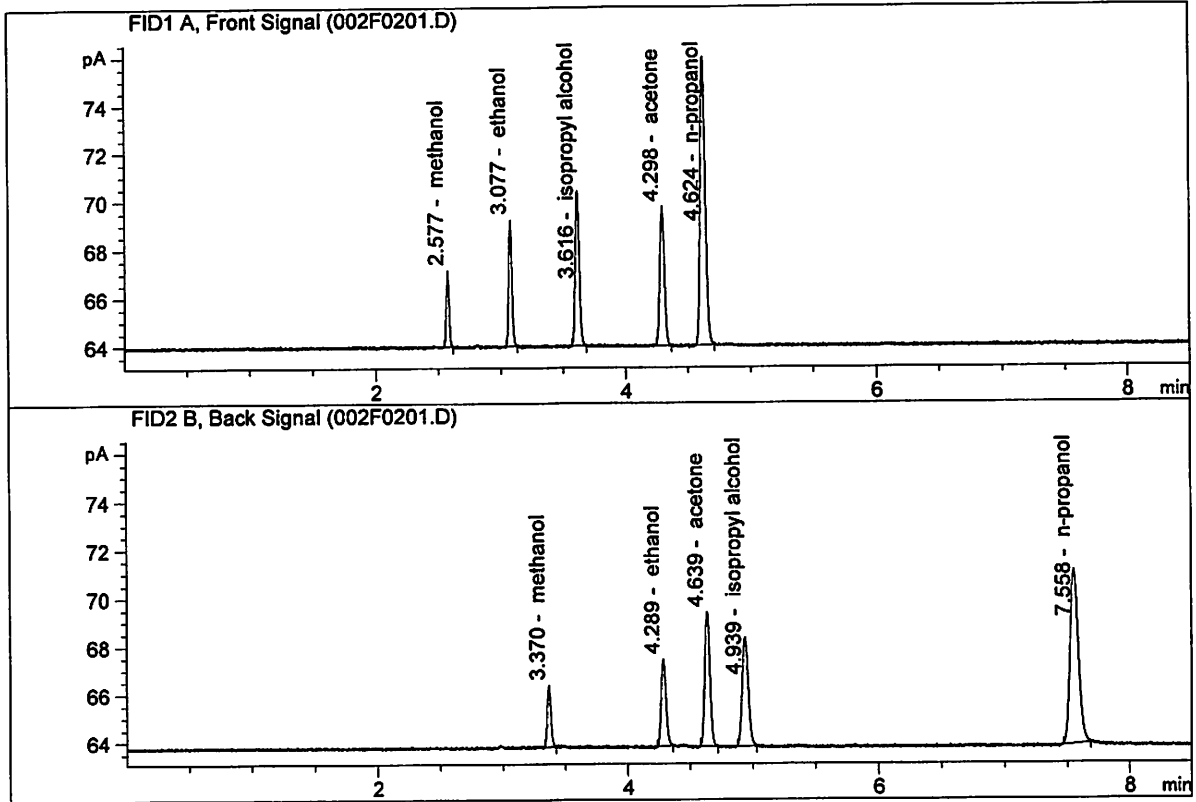
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.34444	0.1500	g/100cc
2.	Ethanol	Column 2:	9.57160	0.1502	g/100cc
3.	n-Propanol	Column 1:	33.77723	1.0000	g/100cc
4.	n-Propanol	Column 2:	34.39095	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 15 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0803	0.0810	0.0007	0.0806	0.0805	
(g/100cc)	0.0802	0.0808	0.0006	0.0805		

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
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

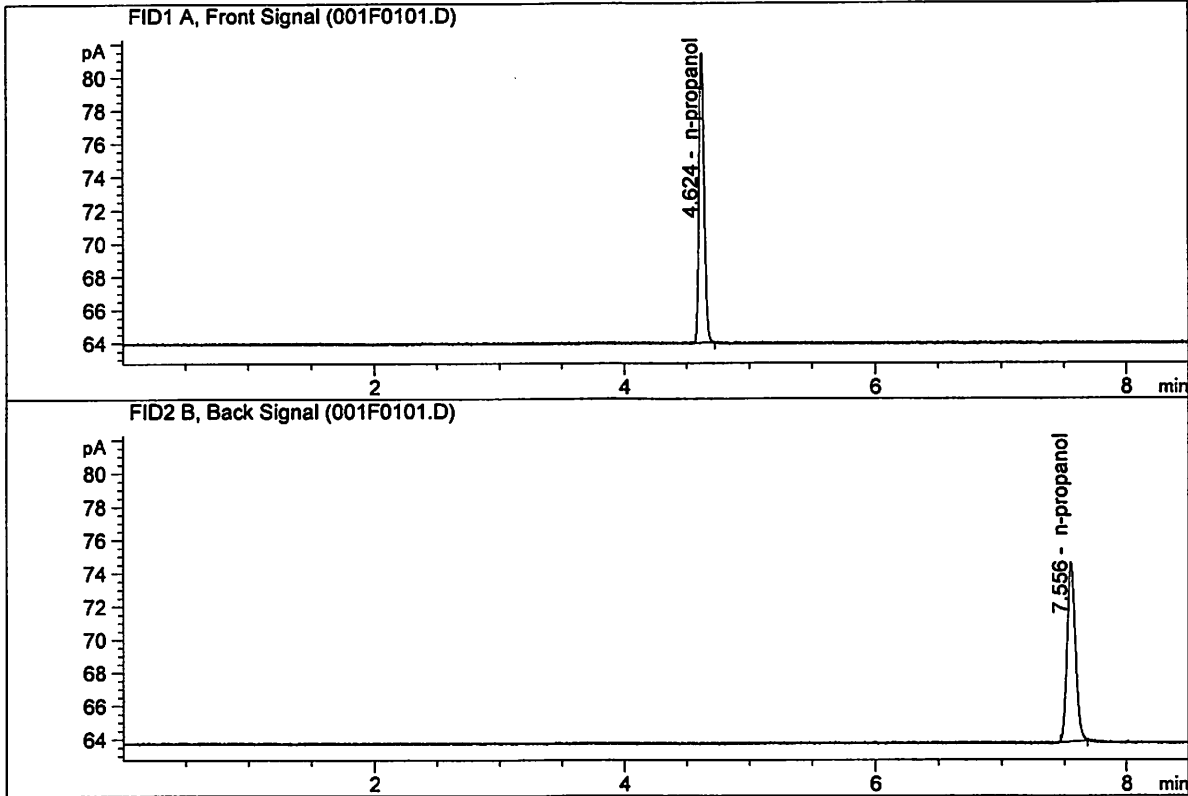*Calibration and control data are stored centrally.*

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-1-A
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
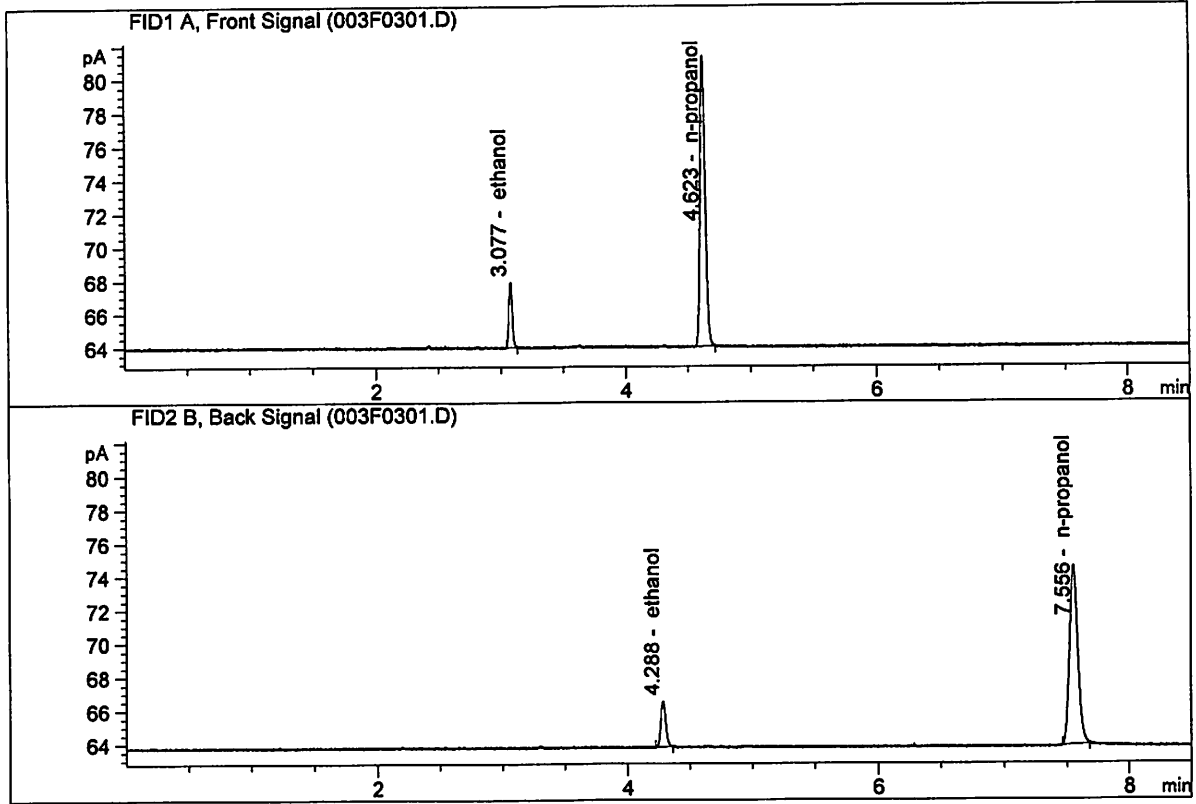
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.24026	0.0803	g/100cc
2.	Ethanol	Column 2:	7.36979	0.0810	g/100cc
3.	n-Propanol	Column 1:	49.26270	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.71445	1.0000	g/100cc

# ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-1-B
Laboratory       :   Meridian
Injection Date   :   Jan 15, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN11180014-CN11041167
```


FID1 A, Front Signal (004F0401.D)

FID2 B, Back Signal (004F0401.D)
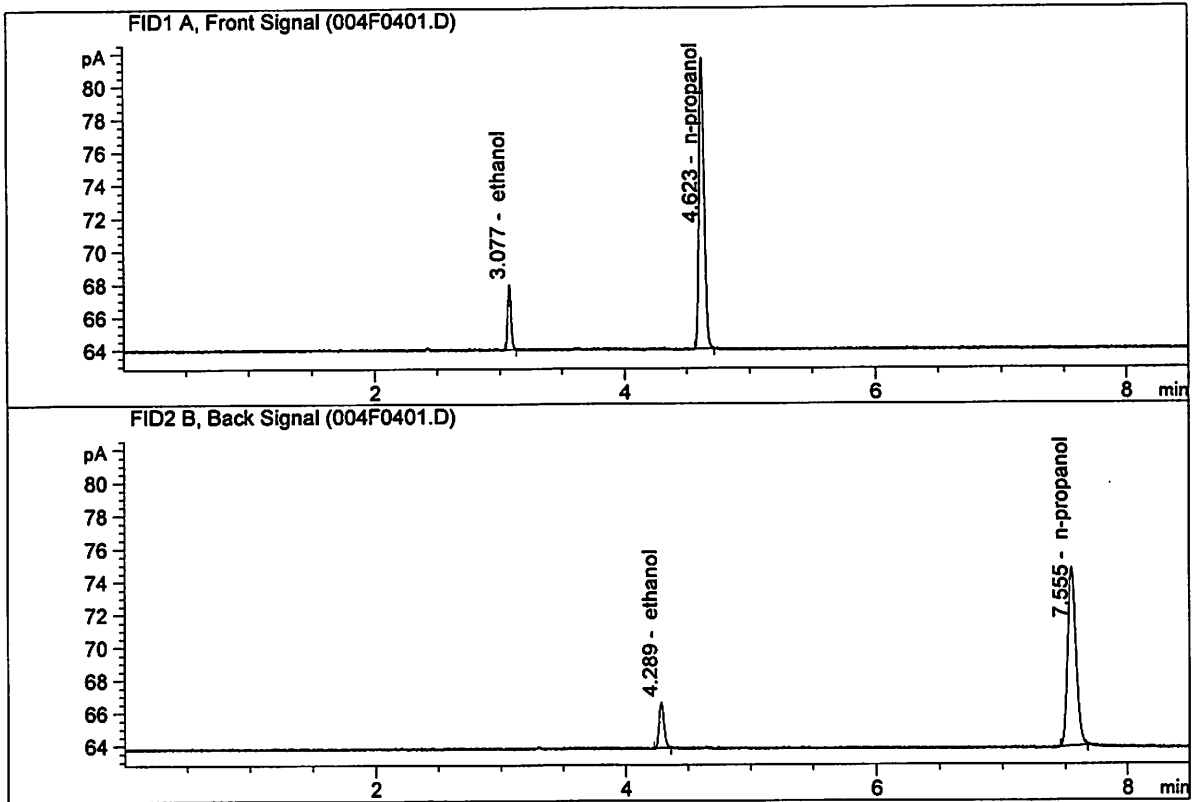
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.37993	0.0802	g/100cc
2.	Ethanol	Column 2:	7.50673	0.0808	g/100cc
3.	n-Propanol	Column 1:	50.26237	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.78382	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701　　　**Analysis Date(s): 15 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0811	0.0814	0.0003	0.0812	0.0813	
(g/100cc)	0.0812	0.0816	0.0004	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.*

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.08 FN04171701-A
Laboratory      :   Meridian
Injection Date  :   Jan 15, 2019
Method          :   ALCOHOL.M
Acq. Instrument :   CN11180014-CN11041167
```
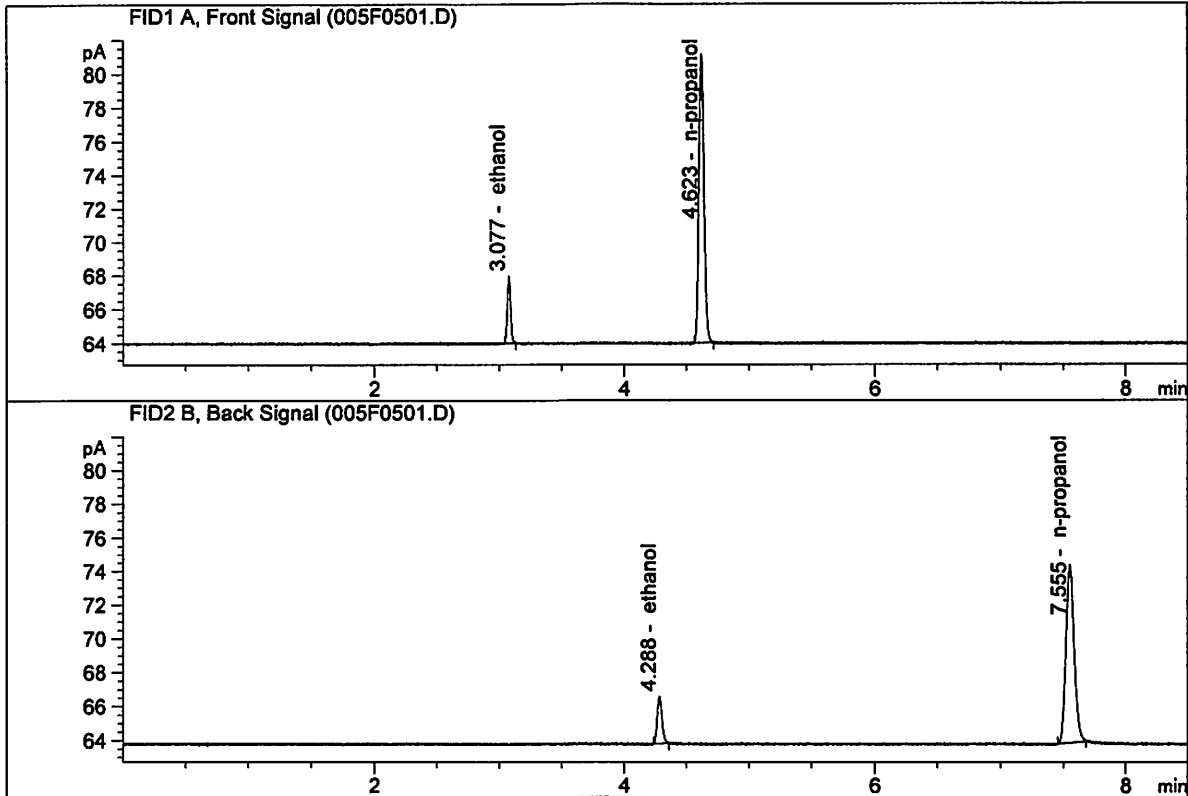

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.22893	0.0811	g/100cc
2.	Ethanol	Column 2:	7.33282	0.0814	g/100cc
3.	n-Propanol	Column 1:	48.68604	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.18161	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.08 FN04171701-B
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (006F0601.D)

3.077 - ethanol
4.623 - n-propanol

FID2 B, Back Signal (006F0601.D)

4.288 - ethanol
7.554 - n-propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.31315	0.0812	g/100cc
2.	Ethanol	Column 2:	7.40353	0.0816	g/100cc
3.	n-Propanol	Column 1:	49.17174	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.58887	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1   **Analysis Date(s): 15 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2052	0.2050	0.0002	0.2051	0.2046	
(g/100cc)	0.2037	0.2048	0.0011	0.2042		

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
0.204	0.193	0.215	0.011

|	**Reported Result**	
	0.204	

Calibration and control data are stored centrally.

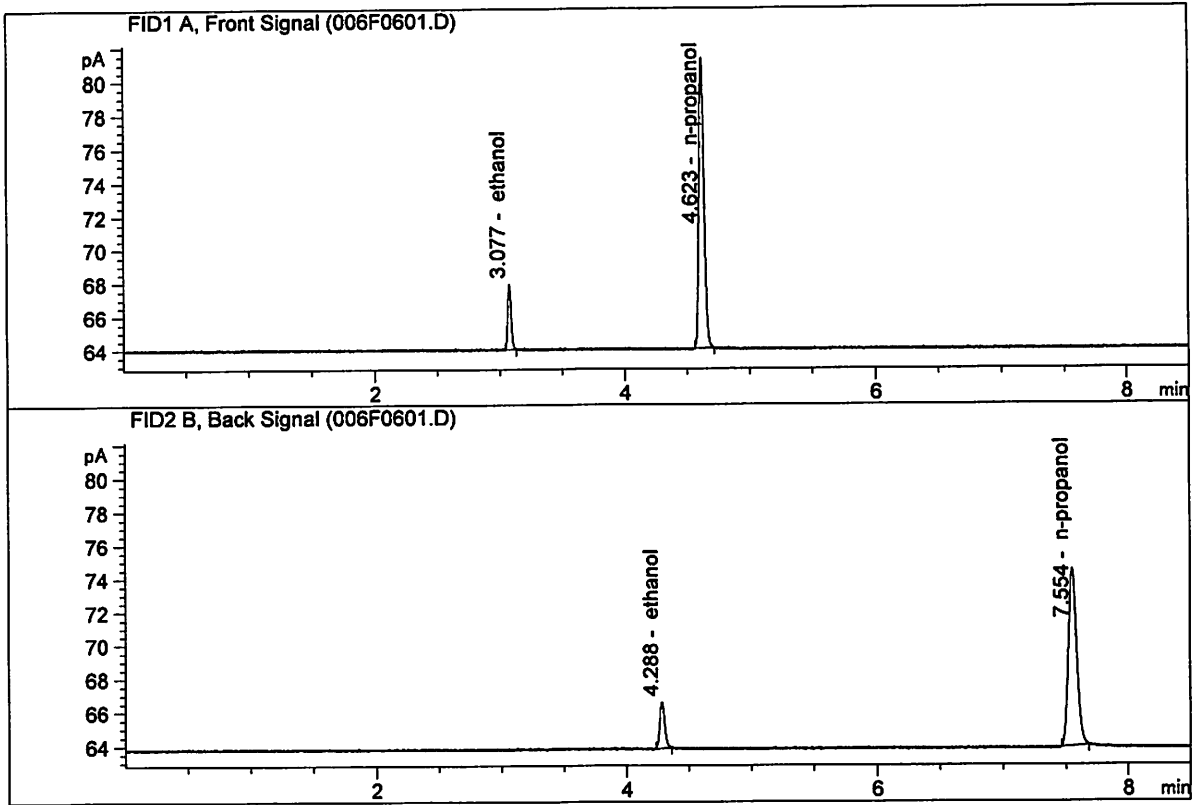# ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-A
Laboratory   :   Meridian
Injection Date   :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
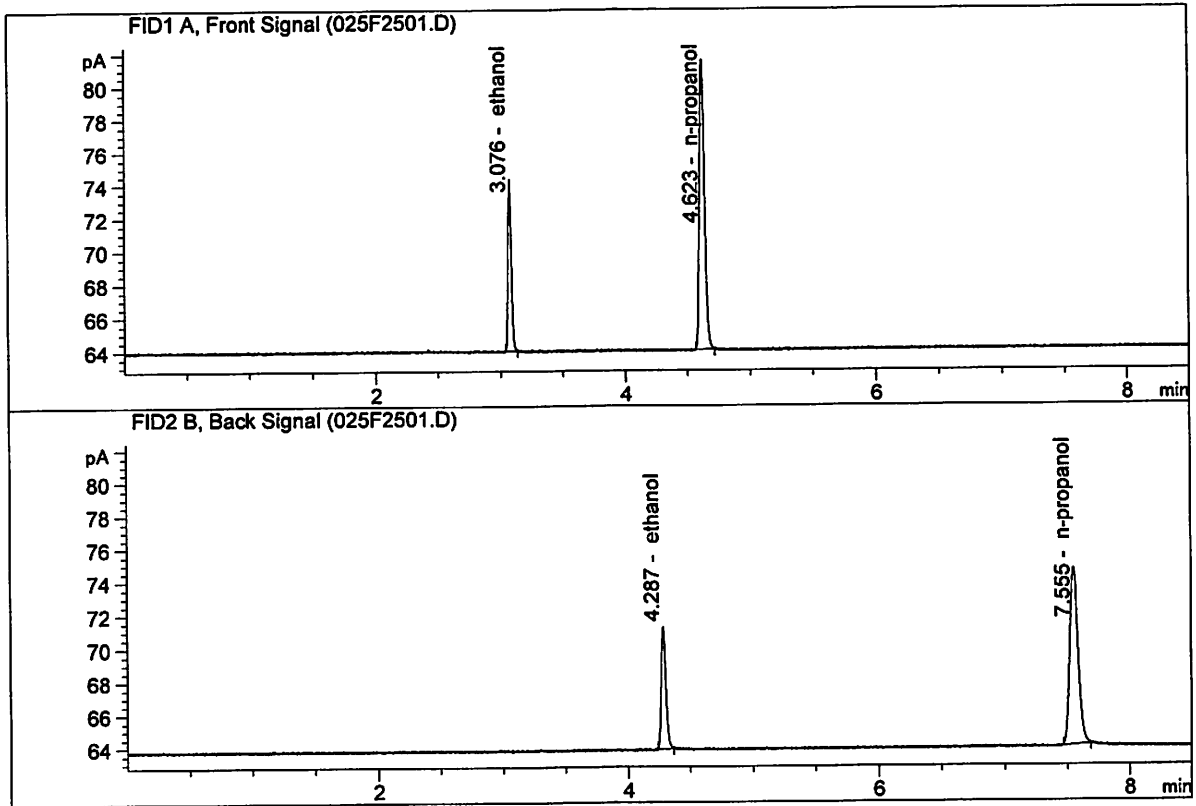
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.89159	0.2052	g/100cc
2.	Ethanol	Column 2:	19.57272	0.2050	g/100cc
3.	n-Propanol	Column 1:	49.82140	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.01010	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-B
Laboratory   :   Meridian
Injection Date :   Jan 15, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
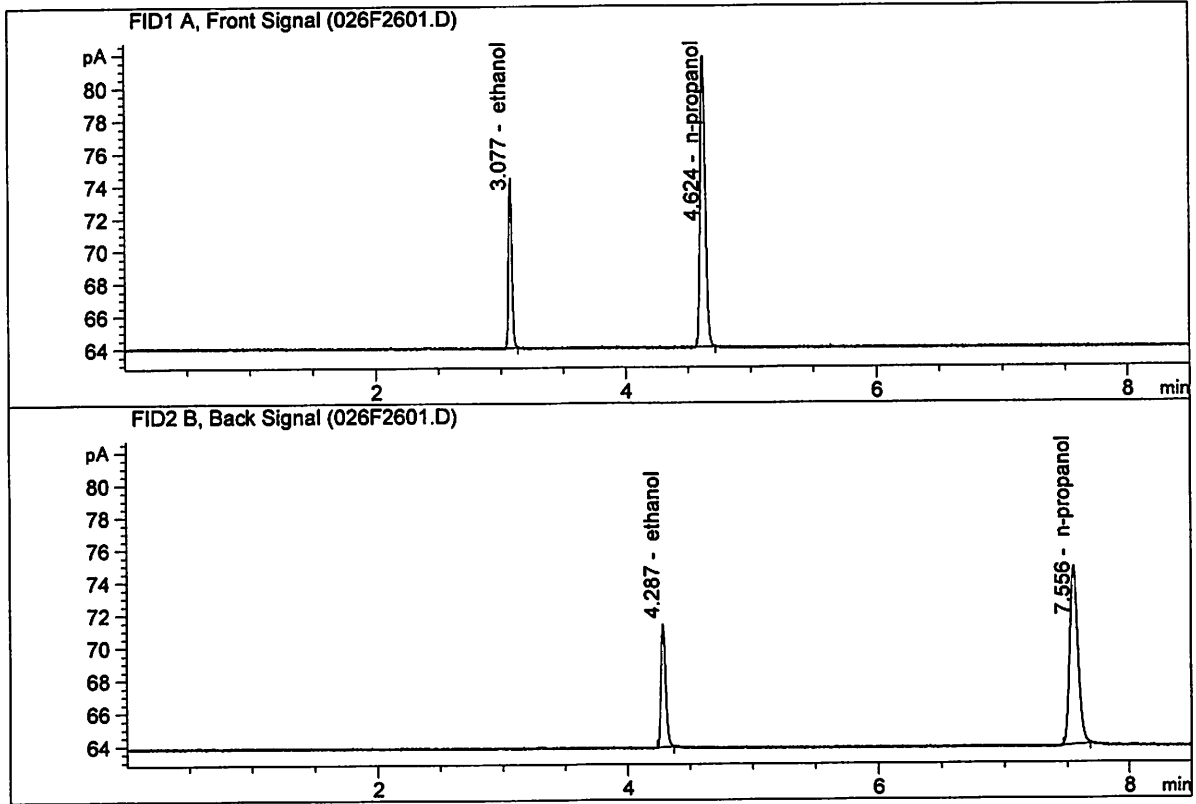
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.04862	0.2037	g/100cc
2.	Ethanol	Column 2:	19.85352	0.2048	g/100cc
3.	n-Propanol	Column 1:	50.59968	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.79776	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s): 16 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0823	0.0827	0.0004	0.0825	0.0828	
(g/100cc)	0.0829	0.0836	0.0007	0.0832		

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.

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-2-A
Laboratory   :   Meridian
Injection Date   :   Jan 16, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167
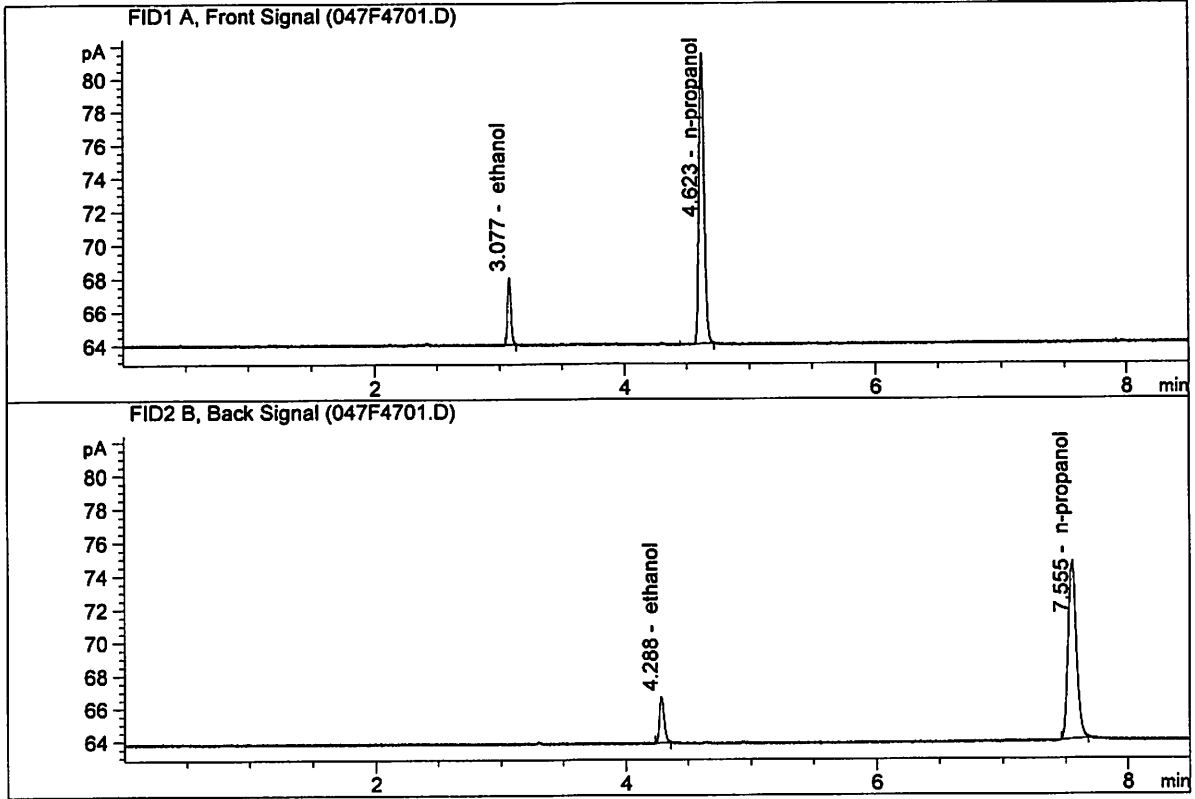
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.48947	0.0823	g/100cc
2.	Ethanol	Column 2:	7.53583	0.0827	g/100cc
3.	n-Propanol	Column 1:	49.69886	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.76041	1.0000	g/100cc

Sample Name   :   QC1-2-B
Laboratory   :   Meridian
Injection Date :   Jan 16, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (048F4801.D)

pA
80
78
76
74
72
70
68
66
64

3.078 - ethanol

4.625 - n-propanol

2   4   6   8 min

FID2 B, Back Signal (048F4801.D)

pA
80
78
76
74
72
70
68
66
64

4.290 - ethanol

7.558 - n-propanol

2   4   6   8 min

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.59638	0.0829	g/100cc
2.	Ethanol	Column 2:	7.69888	0.0836	g/100cc
3.	n-Propanol	Column 1:	50.02398	1.0000	g/100cc
4.	n-Propanol	Column 2:	51.23224	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report
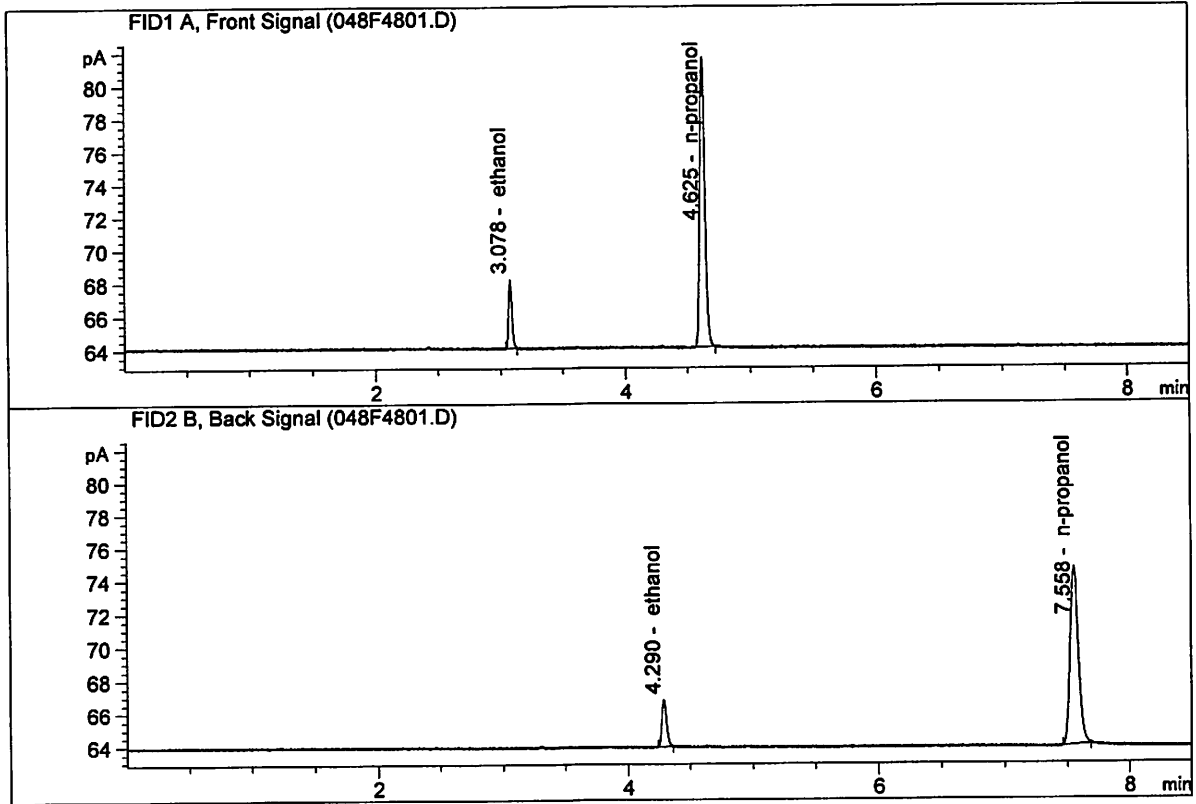
Sample Name   :   INTERNAL STD BLK
Laboratory   :   Meridian
Injection Date   :   Jan 16, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

FID1 A, Front Signal (049F4901.D)

```
pA
80
78
76
74
72                                    4.623 - n-propanol
70
68
66
64
        2         4         6         8    min
```

FID2 B, Back Signal (049F4901.D)

```
pA
80
78                                              7.556 - n-propanol
76
74
72
70
68
66
64
        2         4         6         8    min
```
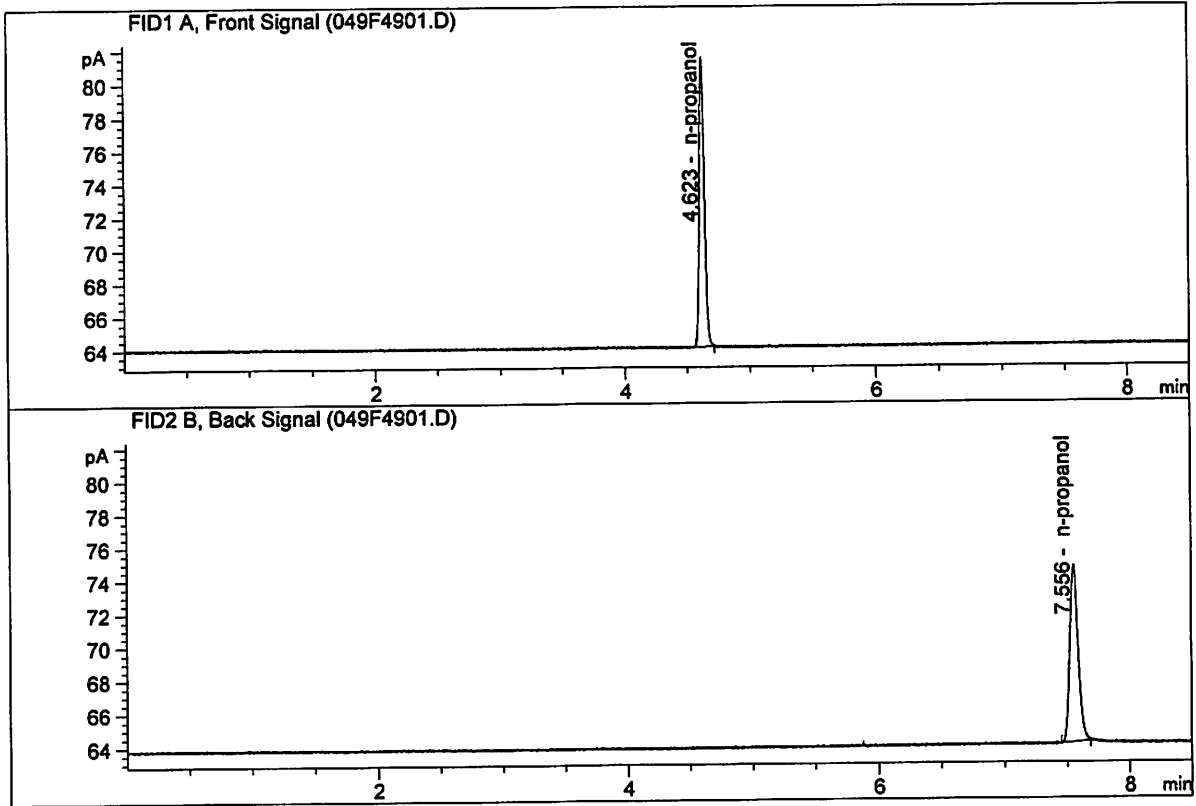
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	49.55527	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.74879	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\Data\01-15-19_SAMPLES\01-15-19_SAMPLES 2019-01-15 16-15-58\01
15-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\01-15-19_SAMPLES\01-15-19_SAMPLES 2019-01-15 16-15-58\
Logbook: C:\Chem32\1\Data\01-15-19_SAMPLES\01-15-19_SAMPLES 2019-01-15 16-15-58\01
15-19_SAMPLES.LOG
Sequence start: 1/15/2019 4:30:43 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-15-19_SAMPLES\01-15-19_SAMPLES 2019-01-15 16-15-58
\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 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	M2019-0047-2-A	-	1.0000	007F0701.D		4
8	8	1	M2019-0047-2-B	-	1.0000	008F0801.D		4
9	9	1	M2019-0077-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-0077-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-0078-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-0078-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-0080-1-A	-	1.0000	013F1301.D		5
14	14	1	M2019-0080-1-B	-	1.0000	014F1401.D		6
15	15	1	M2019-0081-1-A	-	1.0000	015F1501.D		2
16	16	1	M2019-0081-1-B	-	1.0000	016F1601.D		2
17	17	1	M2019-0200-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-0200-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-0201-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-0201-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-0202-1-A ᴶᴳ -2-A	-	1.0000	021F2101.D		2
22	22	1	M2019-0202-1-B ᴶᴳ -2-B	-	1.0000	022F2201.D		2
23	23	1	M2019-0204-2-A ᴶᴳ -1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-0204-2-B ᴶᴳ -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	M2019-0205-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-0205-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-0206-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-0206-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-0216-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-0216-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-0229-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-0229-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-0230-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-0230-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-0235-1-A	-	1.0000	037F3701.D		2
38	38	1	M2019-0235-1-B	-	1.0000	038F3801.D		2
39	39	1	M2019-0236-1-A	-	1.0000	039F3901.D		2
40	40	1	M2019-0236-1-B	-	1.0000	040F4001.D		2
41	41	1	M2019-0242-1-A	-	1.0000	041F4101.D		5
42	42	1	M2019-0242-1-B	-	1.0000	042F4201.D		6
43	43	1	M2019-0243-1-A	-	1.0000	043F4301.D		4

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
44	44	1	M2019-0243-1-B	-	1.0000	044F4401.D		4
45	45	1	M2019-0271-1-A	-	1.0000	045F4501.D		4
46	46	1	M2019-0271-1-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\01-15-19_SAMPLES\01-15-19_SAMPLES 2019-01-15 16-15-58
\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