Worklist: 3813

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION		
C2019-1979	1	BCK	Alcohol Analysis		
C2019-1980	1	BCK	Alcohol Analysis		
C2019-2023	1	BCK	Alcohol Analysis		
C2019-2031	1	BCK	Alcohol Analysis		
C2019-2048	1	BCK	Alcohol Analysis		
C2019-2052	1	BCK	Alcohol Analysis		
C2019-2053	1	BCK	Alcohol Analysis		
C2019-2063	1	BCK	Alcohol Analysis	(closed assignment) 11/14/19 *NB*	
C2019-2065	1	BCK	Alcohol Analysis		
C2019-2072	1	BCK	Alcohol Analysis		
C2019-2074	1	UCK	Alcohol Analysis		
C2019-2094	1	TOXVH	Alcohol Analysis		
C2019-2122	1	BCK	Alcohol Analysis		

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Device: Hamilton MICROLAB 600A Liquid Processor/Diluter Serial Number: ML600HC11379

Analytical Method(s): 1.0

Volatiles Quality Assurance Controls

Run Date(s): 11/06/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0780 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1951 g/100cc / 0.1971 g/100cc

Multi-Component mixture:		Sep-20	Column 1	Lot #	Column2
Curve Fit:			0.99999 *	FN0641502	OK
					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	0.0504	0.0494	0.0010	0.0499
100	0.100	0.090 - 0.110	0.1001	0.0985	0.0016	0.0993
200	0.200	0.180 - 0.220	0.1992	0.1985	0.0007	0.1988
300	0.300	0.270 - 0.330	0.3016	0.3013	0.0003	0.3014
500	0.500	0.450 - 0.550	0.4993	0.5002	0.0009	0.4997

Aqueous Controls

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

* Column 1 R^2 is 1.00000 and not 0.99999

11/14/19 *JJ*   *NB* 11/14/19

```
Sequence File C:\Chem32\1\TEMP\AESEQ\QS_06.11.2019_02.51.04\11-6-2019.S
```

Sample   Summary

```
Sequence table:          C:\Chem32\1\TEMP\AESEQ\QS_06.11.2019_02.51.04\11-6-2019.S
Data directory path:     C:\Chem32\1\Data\11-6-2019-JJ
Logbook:                 C:\Chem32\1\Data\11-6-2019-JJ\11-6-2019.LOG
Sequence start:          11/6/2019 3:04:51 PM
Sequence Operator:       SYSTEM
Operator:                SYSTEM

Method file name:        C:\CHEM32\1\METHODS\ALCOHOL.M
```

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	water-1	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-2(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-2(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2019-1979-1-A	-	1.0000	008F0801.D		2
9	9	1	C2019-1979-1-B	-	1.0000	009F0901.D		2
10	10	1	C2019-1980-1-A	-	1.0000	010F1001.D		4
11	11	1	C2019-1980-1-B	-	1.0000	011F1101.D		4
12	12	1	C2019-2023-1-A	-	1.0000	012F1201.D		6
13	13	1	C2019-2023-1-B	-	1.0000	013F1301.D		4
14	14	1	C2019-2031-1-A	-	1.0000	014F1401.D		6
15	15	1	C2019-2031-1-B	-	1.0000	015F1501.D		5
16	16	1	C2019-2048-1-A	-	1.0000	016F1601.D		6
17	17	1	C2019-2048-1-B	-	1.0000	017F1701.D		6
18	18	1	C2019-2052-1-A	-	1.0000	018F1801.D		5
19	19	1	C2019-2052-1-B	-	1.0000	019F1901.D		4
20	20	1	C2019-2053-1-A	-	1.0000	020F2001.D		4
21	21	1	C2019-2053-1-B	-	1.0000	021F2101.D		4
22	22	1	C2019-2065-1-A	-	1.0000	022F2201.D		2
23	23	1	C2019-2065-1-B	-	1.0000	023F2301.D		2
24	24	1	C2019-2072-1-A	-	1.0000	024F2401.D		4
25	25	1	C2019-2072-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-1(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-1(1)-B	-	1.0000	027F2701.D		4
28	28	1	C2019-2074-1-A	-	1.0000	028F2801.D		2
29	29	1	C2019-2074-1-B	-	1.0000	029F2901.D		2
30	30	1	C2019-2094-1-A	-	1.0000	030F3001.D		7
31	31	1	C2019-2094-1-B	-	1.0000	031F3101.D		6
32	32	1	C2019-2122-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-2122-1-B	-	1.0000	033F3301.D		4
34	34	1	QC-2(2)-A	-	1.0000	034F3401.D		4
35	35	1	QC-2(2)-B	-	1.0000	035F3501.D		4
36	36	1	ISTD BLANK-2	-	1.0000	036F3601.D		2
37	37	1	water-2	-	1.0000	037F3701.D		0
38	38	1	0.05 DIAGNOSTIC	-	1.0000	038F3801.D		4
39	39	1	0.100 DIAGNOSTIC	-	1.0000	039F3901.D		4
40	40	1	0.200 DIAGNOSTIC	-	1.0000	040F4001.D		4
41	41	1	0.300 DIAGNOSTIC	-	1.0000	041F4101.D		4
42	42	1	0.500 DIAGNOSTIC	-	1.0000	042F4201.D		4

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

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



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


Calib. Data Modified  :     Wednesday, November 06, 2019 2:40:33 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   :     No recalibration if peaks missing

Curve Type            :     Linear
Origin                :     Forced
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
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.108	1	1	5.00000e-2	8.98306	5.56603e-3	No	No	1	Ethanol
		2	1.00000e-1	18.20654	5.49253e-3				
		3	2.00000e-1	36.39877	5.49469e-3				
		4	3.00000e-1	54.75610	5.47884e-3				
		5	5.00000e-1	90.07063	5.55120e-3				
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.179	2	1	5.00000e-2	8.82543	5.66544e-3	No	No	2	Ethanol
		2	1.00000e-1	18.05194	5.53957e-3				
		3	2.00000e-1	36.41935	5.49159e-3				
		4	3.00000e-1	54.88607	5.46587e-3				
		5	5.00000e-1	90.49170	5.52537e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.941	1	1	1.00000	93.70448	1.06718e-2	No	Yes	1	n-Propanol
		2	1.00000	95.69910	1.04494e-2				
		3	1.00000	96.09242	1.04066e-2				
		4	1.00000	95.47471	1.04740e-2				
		5	1.00000	94.87023	1.05407e-2				
7.619	2	1	1.00000	91.02157	1.09864e-2	No	Yes	2	n-Propanol
		2	1.00000	93.47493	1.06981e-2				
		3	1.00000	93.53765	1.06909e-2				
		4	1.00000	92.87138	1.07676e-2				
		5	1.00000	92.23942	1.08414e-2				

Peak Sum Table

No Entries in table

==

Calibration Curves

==
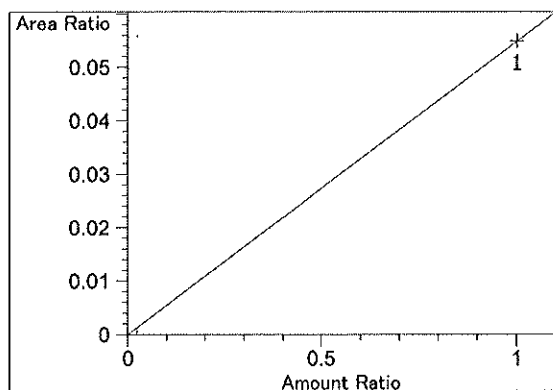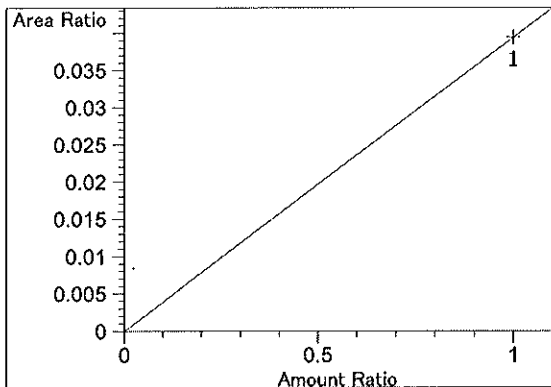

Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 5.49320e-2
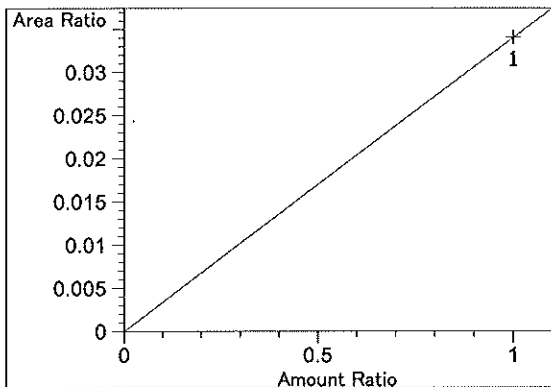   x: Amount Ratio
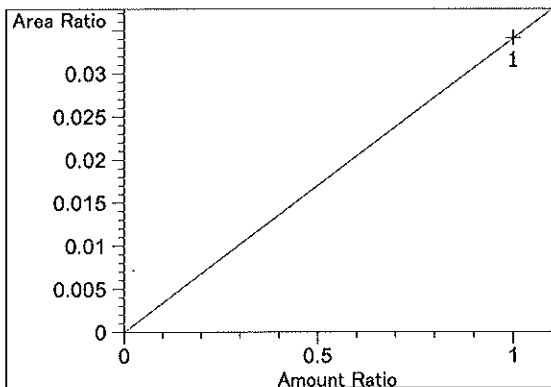   y: Area Ratio
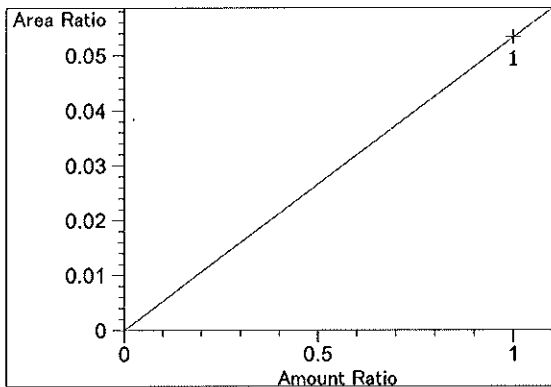
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 5.33592e-2
         x: Amount Ratio
         y: Area Ratio

Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 3.94506e-2
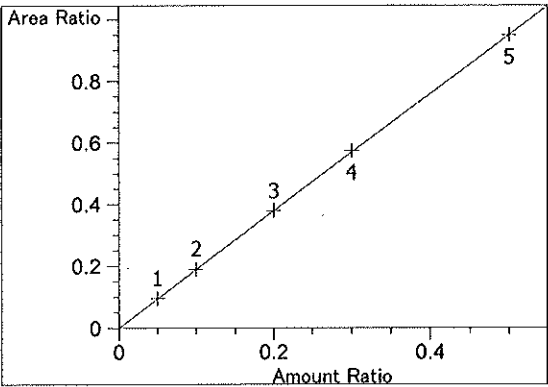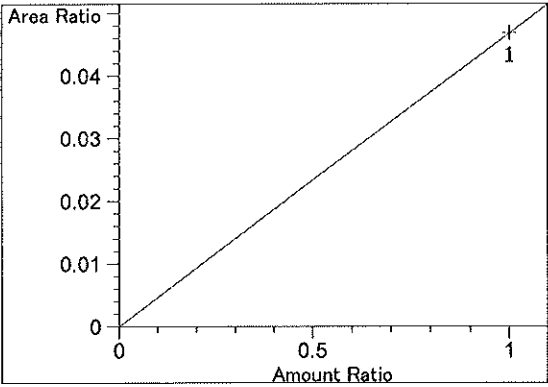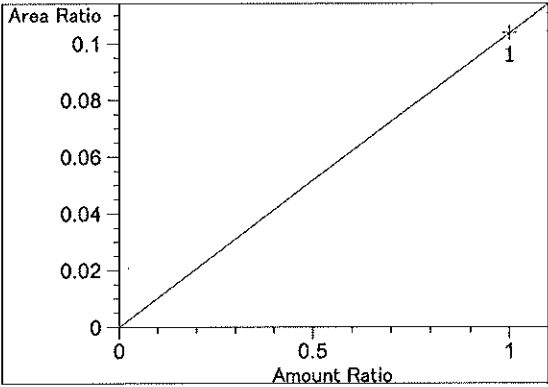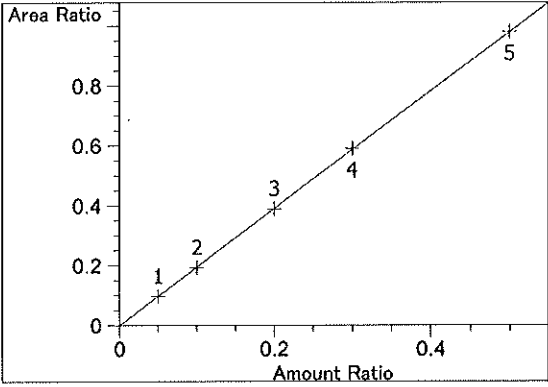   x: Amount Ratio
         y: Area Ratio

Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 3.40764e-2
         x: Amount Ratio
         y: Area Ratio

Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 3.41210e-2
         x: Amount Ratio
         y: Area Ratio

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

Ethanol at exp. RT: 3.108
FID1 A, Front Signal
Correlation: 1.00000 ✓
Residual Std. Dev.:   0.00188
Formula: y = mx
        m: 1.90149
        x: Amount Ratio
        y: Area Ratio

Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 4.68090e-2
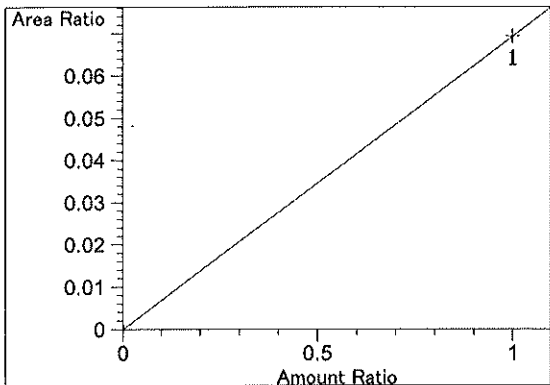   x: Amount Ratio
        y: Area Ratio

Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.03843e-1
        x: Amount Ratio
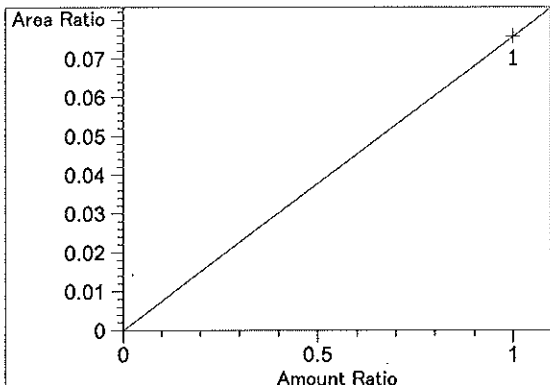   y: Area Ratio

Ethanol at exp. RT: 4.179
FID2 B, Back Signal
Correlation: 0.99999 ✓
Residual Std. Dev.:   0.00253
Formula: y = mx
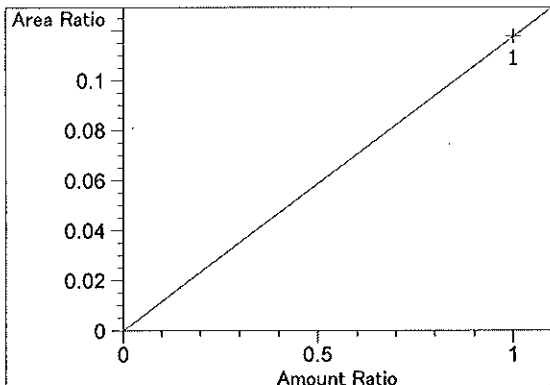   m: 1.96141
        x: Amount Ratio
        y: Area Ratio

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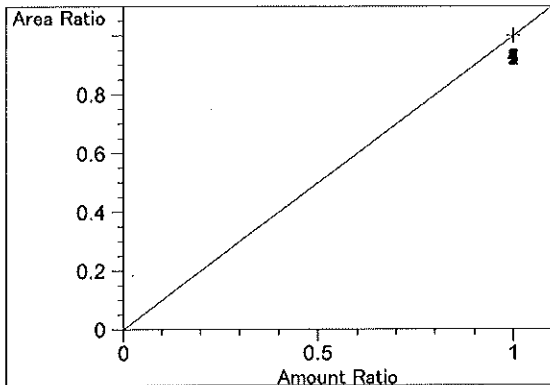

Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 6.93606e-2
         x: Amount Ratio
         y: Area Ratio

Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 7.57294e-2
         x: Amount Ratio
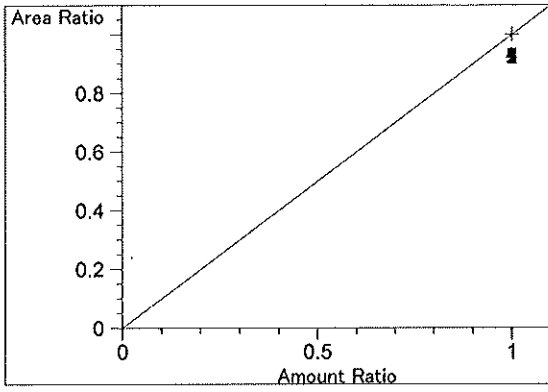   y: Area Ratio

Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 1.17625e-1
         x: Amount Ratio
         y: Area Ratio

n-Propanol at exp. RT: 4.941
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 1.00000
         x: Amount Ratio
         y: Area Ratio

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

n-Propanol at exp. RT: 7.619
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.00000
        x: Amount Ratio
        y: Area Ratio

==

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_06.11.2019_01.04.33\11-6-19cal.S

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_06.11.2019_01.04.33\11-6-19cal.S
Data directory path: C:\Chem32\1\Data\11-6-19calJJ
Logbook: C:\Chem32\1\Data\11-6-19calJJ\11-6-19cal.LOG
Sequence start: 11/6/2019 1:18:16 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name   :   blank
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
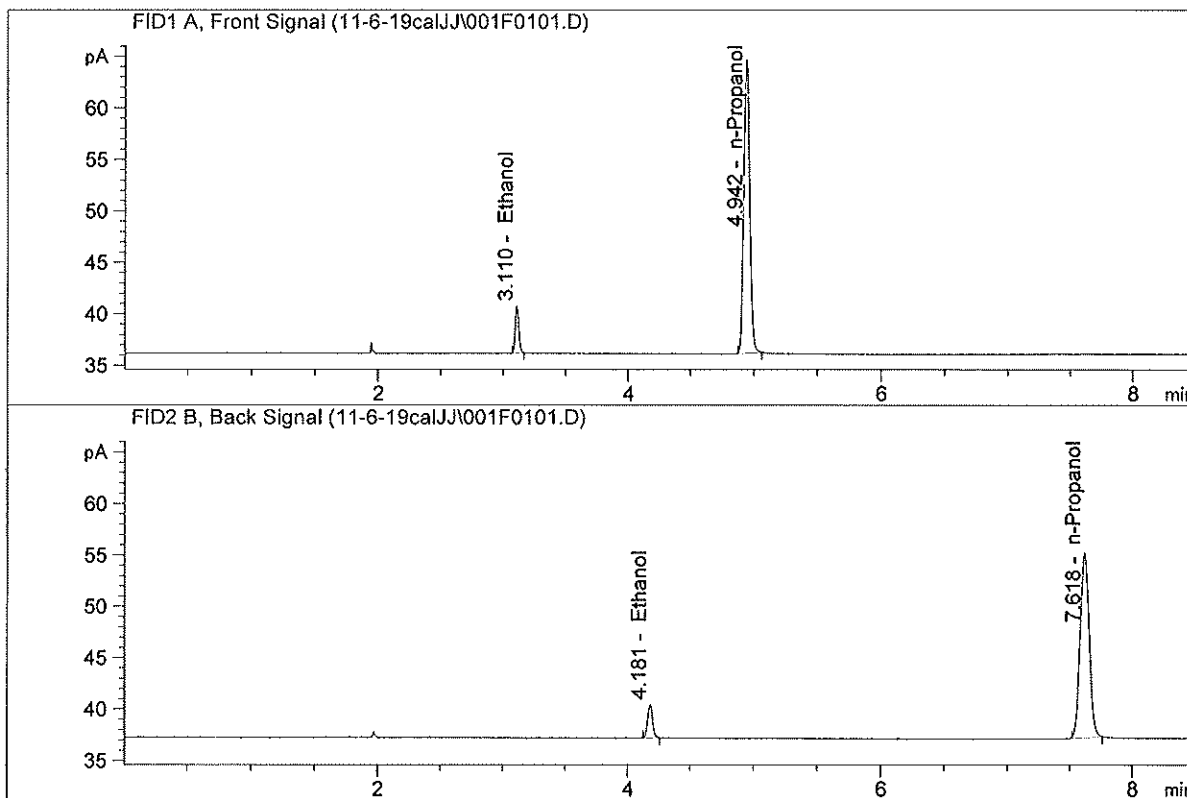Acq. Instrument: CN10742044-IT00725005
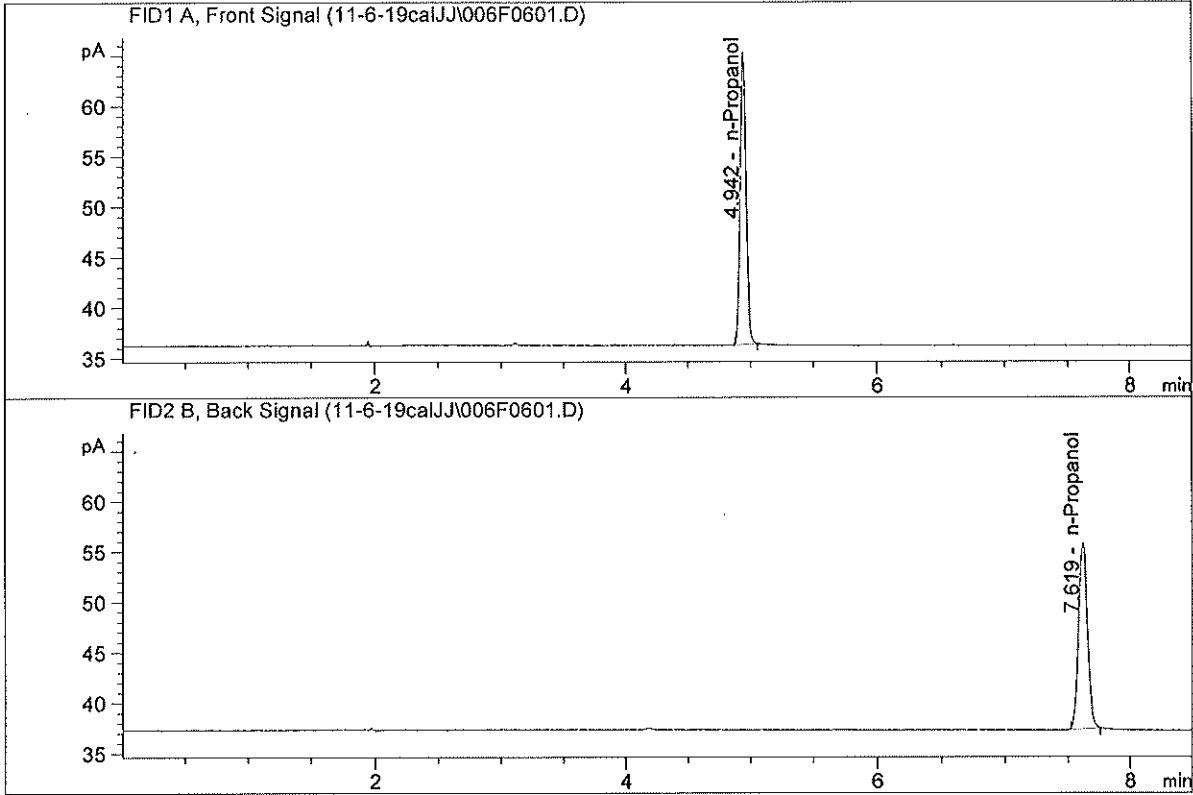
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	94.88799	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.67665	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.05
Laboratory       :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-19calJJ\001F0101.D)

FID2 B, Back Signal (11-6-19calJJ\001F0101.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.98306	0.0504	g/100cc
2.	Ethanol	Column 2:	8.82543	0.0494	g/100cc
3.	n-Propanol	Column 1:	93.70448	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.02157	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.100
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument  :    CN10742044-IT00725005
```
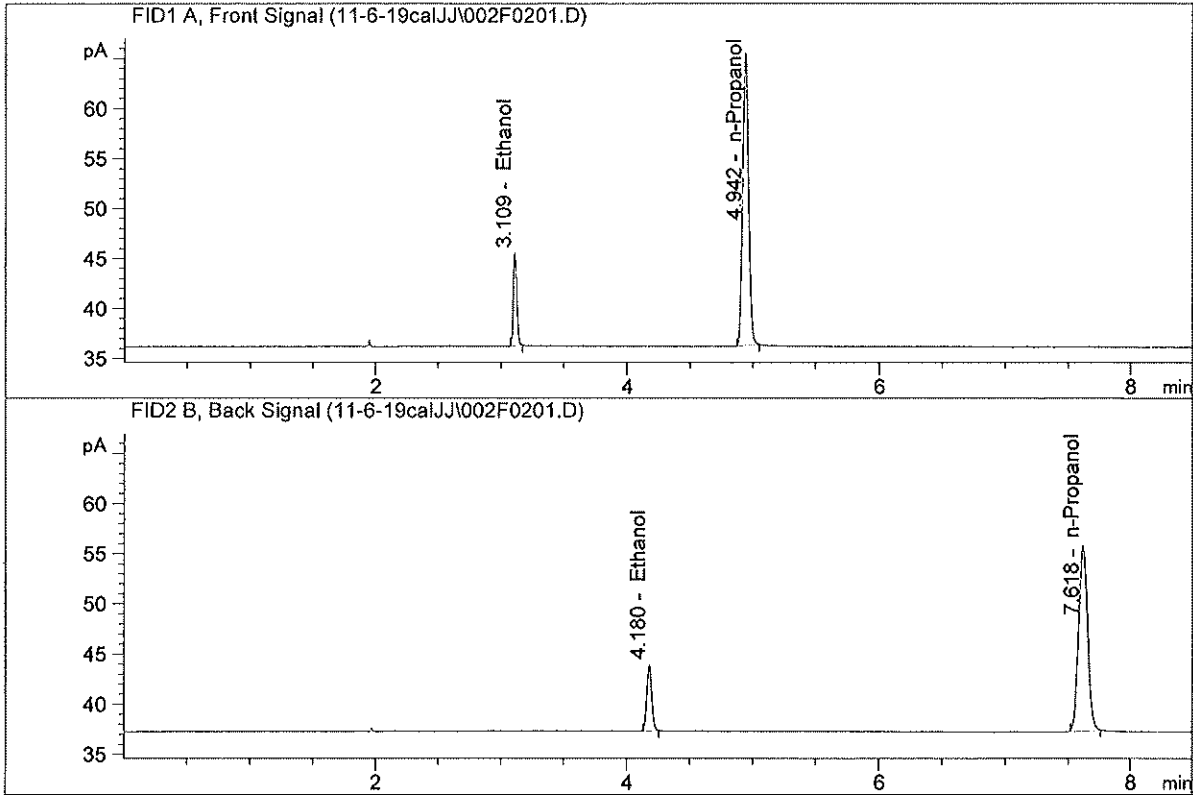

FID1 A, Front Signal (11-6-19calJJ\002F0201.D)

FID2 B, Back Signal (11-6-19calJJ\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.20654	0.1001	g/100cc
2.	Ethanol	Column 2:	18.05194	0.0985	g/100cc
3.	n-Propanol	Column 1:	95.69910	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.47493	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.200
Laboratory       :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```
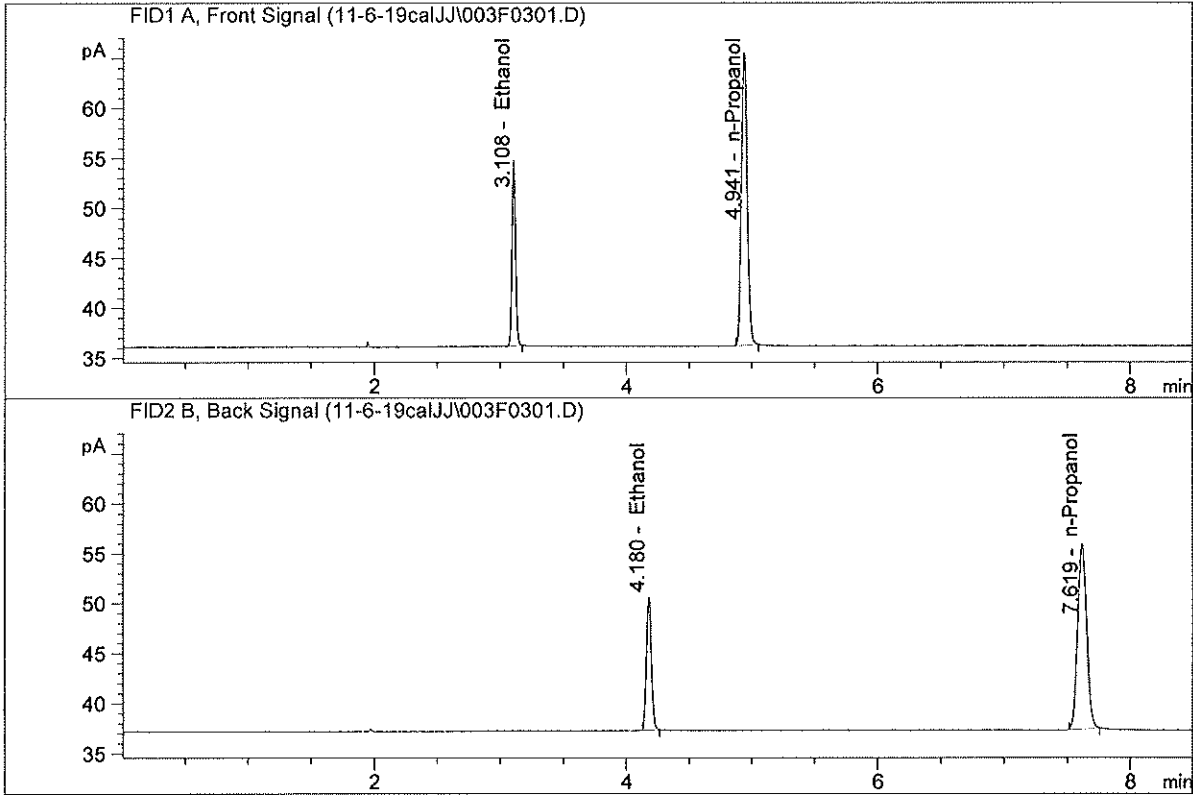

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.39877	0.1992	g/100cc
2.	Ethanol	Column 2:	36.41935	0.1985	g/100cc
3.	n-Propanol	Column 1:	96.09242	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.53765	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
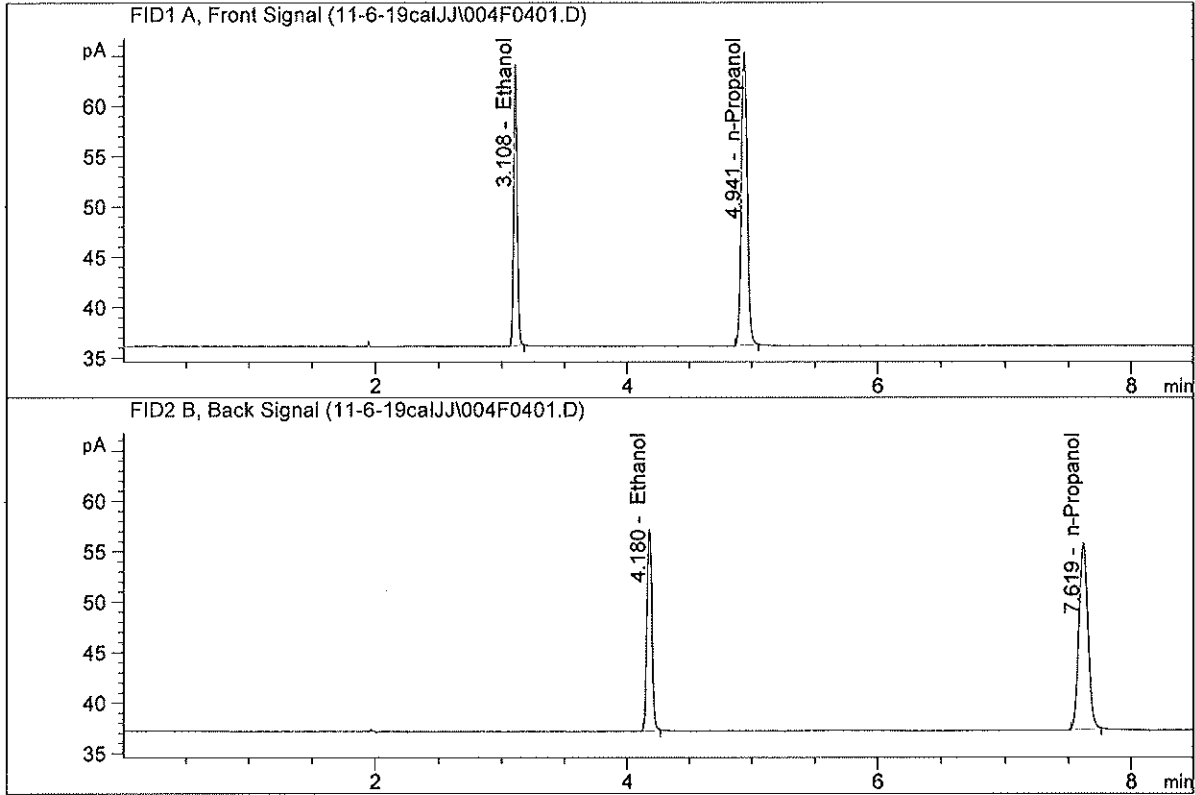Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (11-6-19calJJ\004F0401.D)

FID2 B, Back Signal (11-6-19calJJ\004F0401.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.75610	0.3016	g/100cc
2.	Ethanol	Column 2:	54.88607	0.3013	g/100cc
3.	n-Propanol	Column 1:	95.47471	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.87138	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.500
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
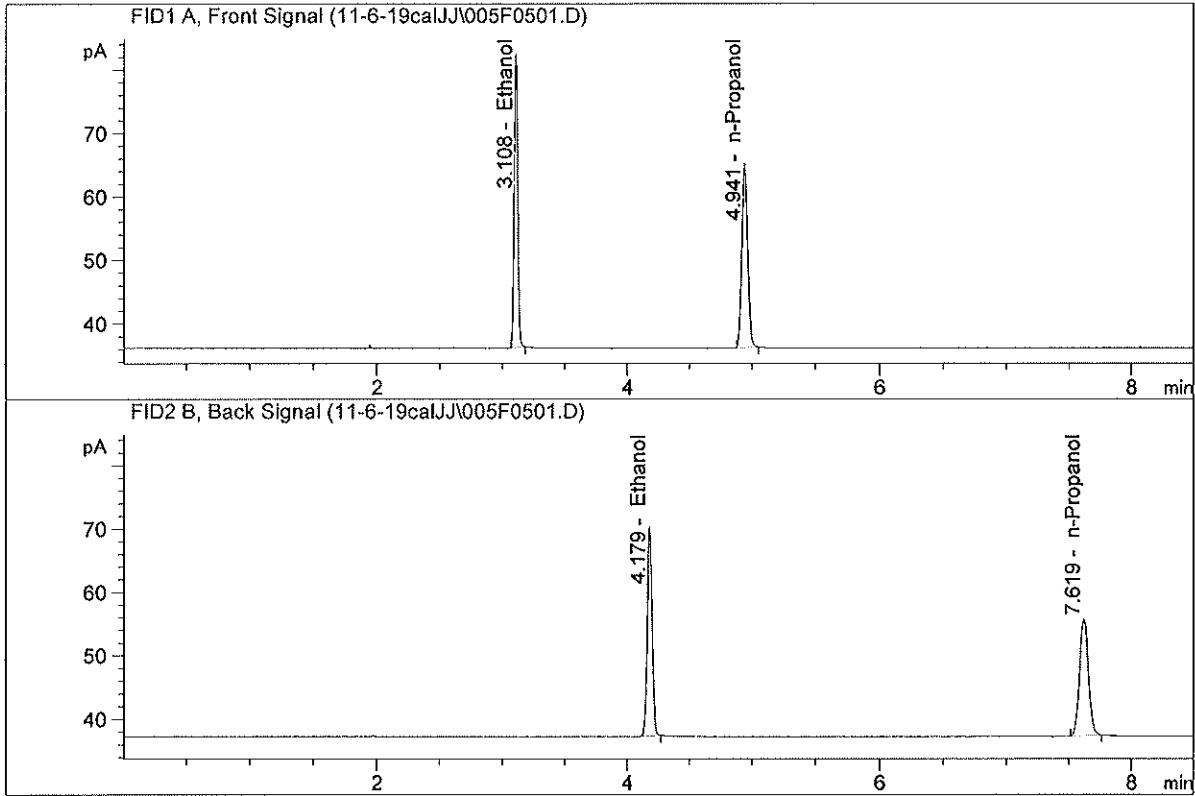Method   :   ALCOHOL.M
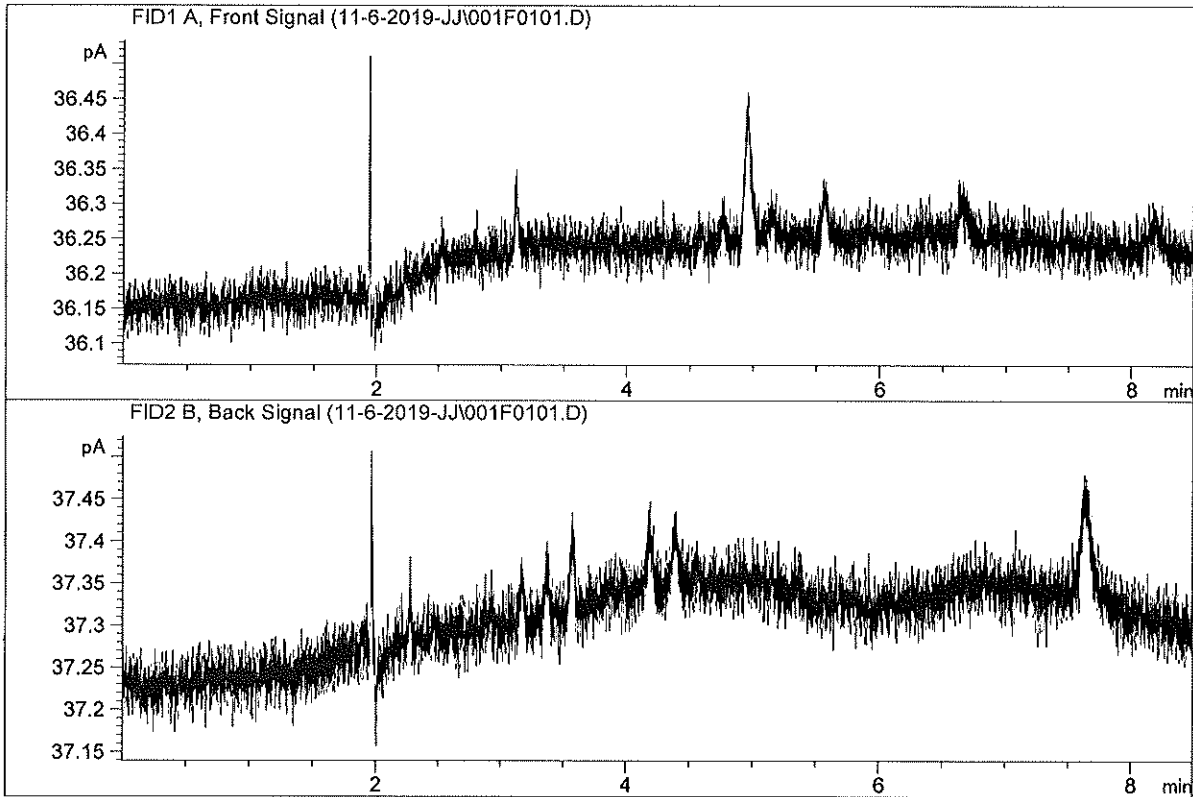Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (11-6-19calJJ\005F0501.D)

pA

70

60

50

40

3.108 - Ethanol

4.941 - n-Propanol

2   4   6   8   min

FID2 B, Back Signal (11-6-19calJJ\005F0501.D)

pA

70

60

50

40

4.179 - Ethanol

7.619 - n-Propanol

2   4   6   8   min

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.07063	0.4993	g/100cc
2.	Ethanol	Column 2:	90.49170	0.5002	g/100cc
3.	n-Propanol	Column 1:	94.87023	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.23942	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    water-1
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
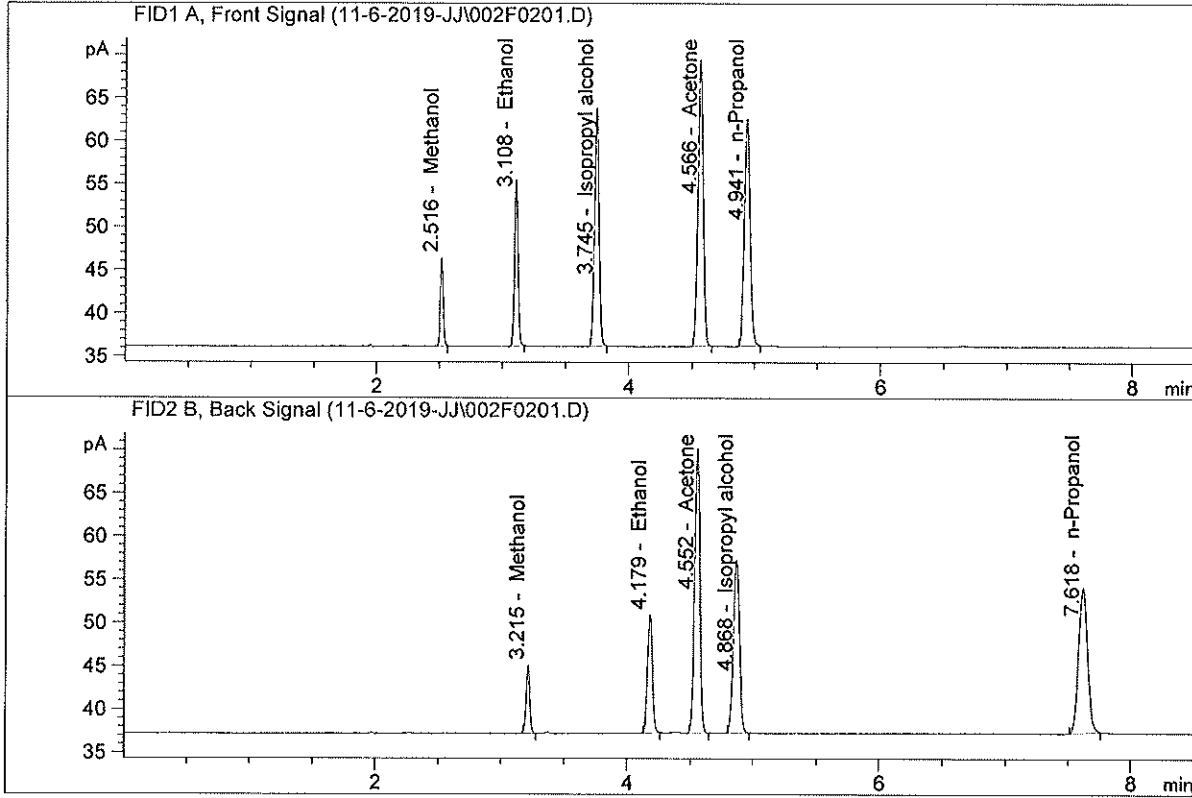

FID1 A, Front Signal (11-6-2019-JJ\001F0101.D)

FID2 B, Back Signal (11-6-2019-JJ\001F0101.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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    VOL MIX FN-06041502
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\002F0201.D)

FID2 B, Back Signal (11-6-2019-JJ\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.55470	0.2293	g/100cc
2.	Ethanol	Column 2:	37.44471	0.2268	g/100cc
3.	n-Propanol	Column 1:	86.15109	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.15973	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    ISTD BLANK-1
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
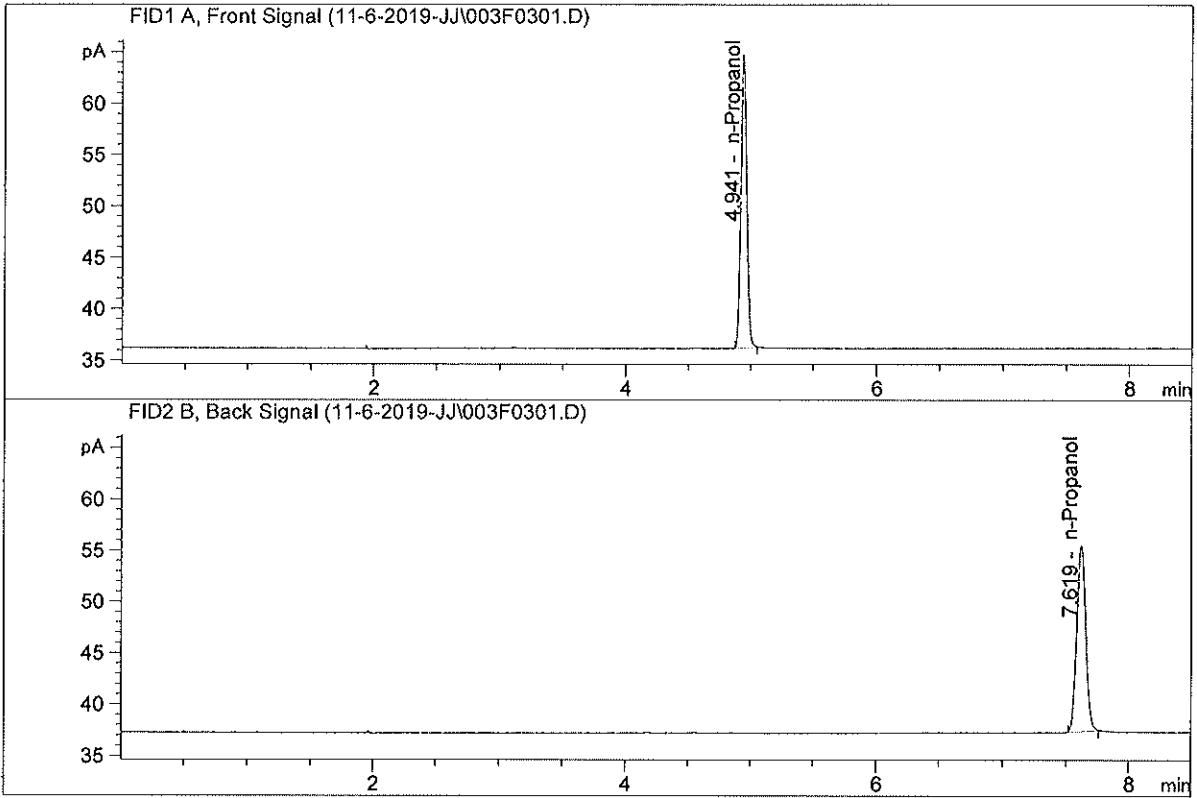

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	93.42616	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.31509	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)   **Analysis Date(s): 06 Nov 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1948	0.1943	0.0005	0.1945	0.1951	
(g/100cc)	0.1959	0.1956	0.0003	0.1957		

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: ML600HC11379

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	0.185	0.205	0.010

	Reported Result	
	0.195	

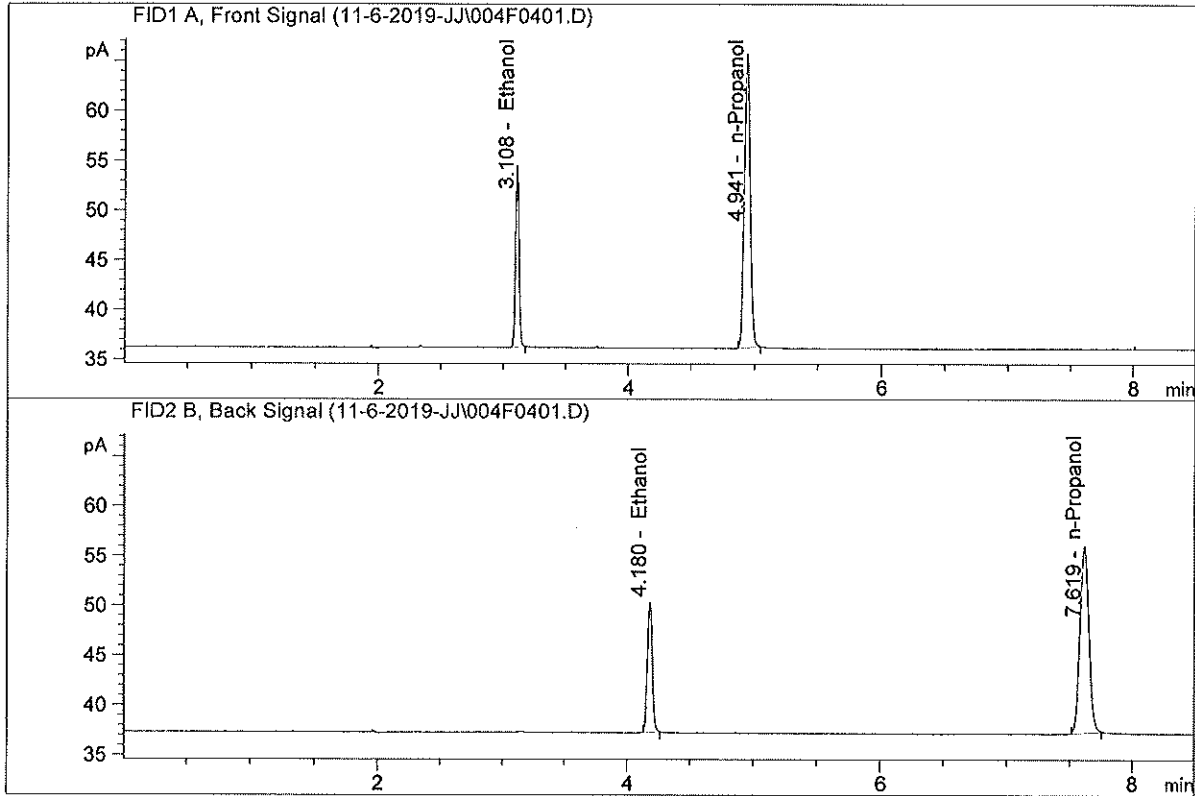*Calibration and control data are stored centrally.*

Revision: 1

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

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2(1)-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
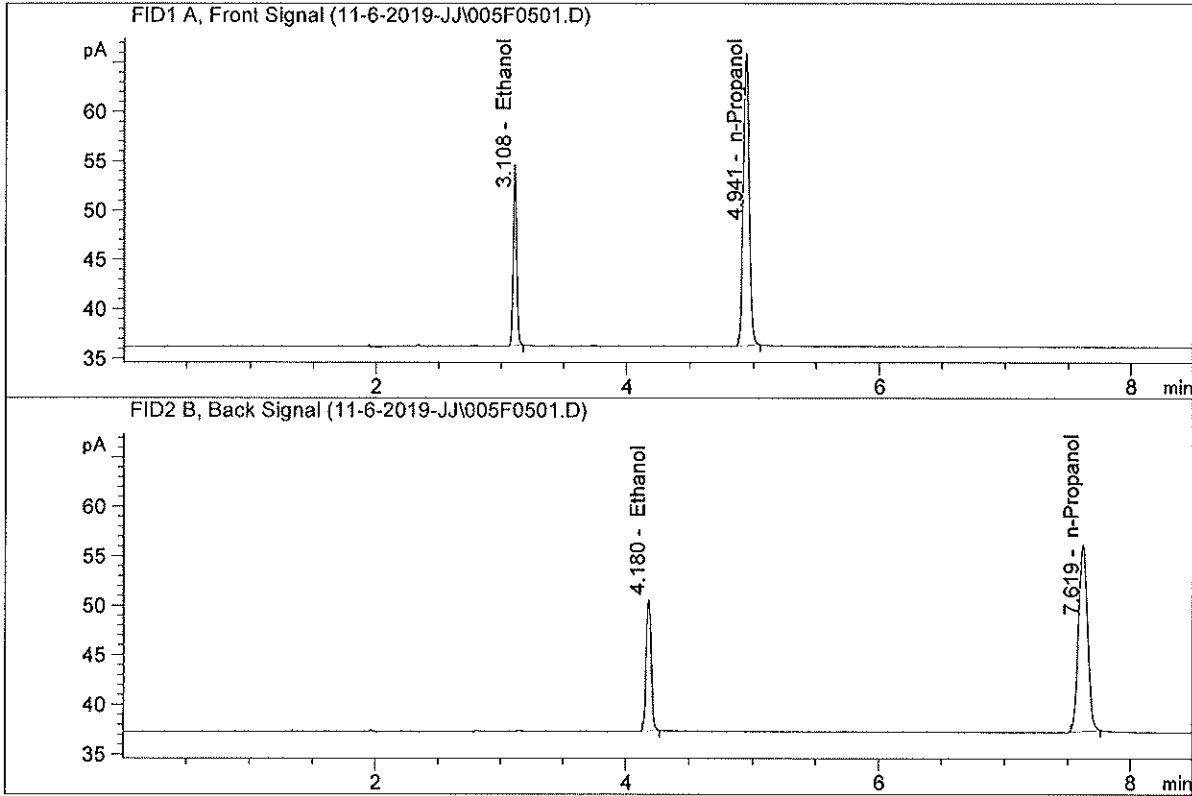

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.71262	0.1948	g/100cc
2.	Ethanol	Column 2:	35.85334	0.1943	g/100cc
3.	n-Propanol	Column 1:	96.42159	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.08306	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2(1)-B
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\005F0501.D)

3.108 - Ethanol
4.941 - n-Propanol

FID2 B, Back Signal (11-6-2019-JJ\005F0501.D)

4.180 - Ethanol
7.619 - n-Propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.11425	0.1959	g/100cc
2.	Ethanol	Column 2:	36.23637	0.1956	g/100cc
3.	n-Propanol	Column 1:	96.94224	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.43632	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701   **Analysis Date(s): 06 Nov 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0817	0.0811	0.0006	0.0814	0.0808	
(g/100cc)	0.0809	0.0798	0.0011	0.0803		

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: ML600HC11379

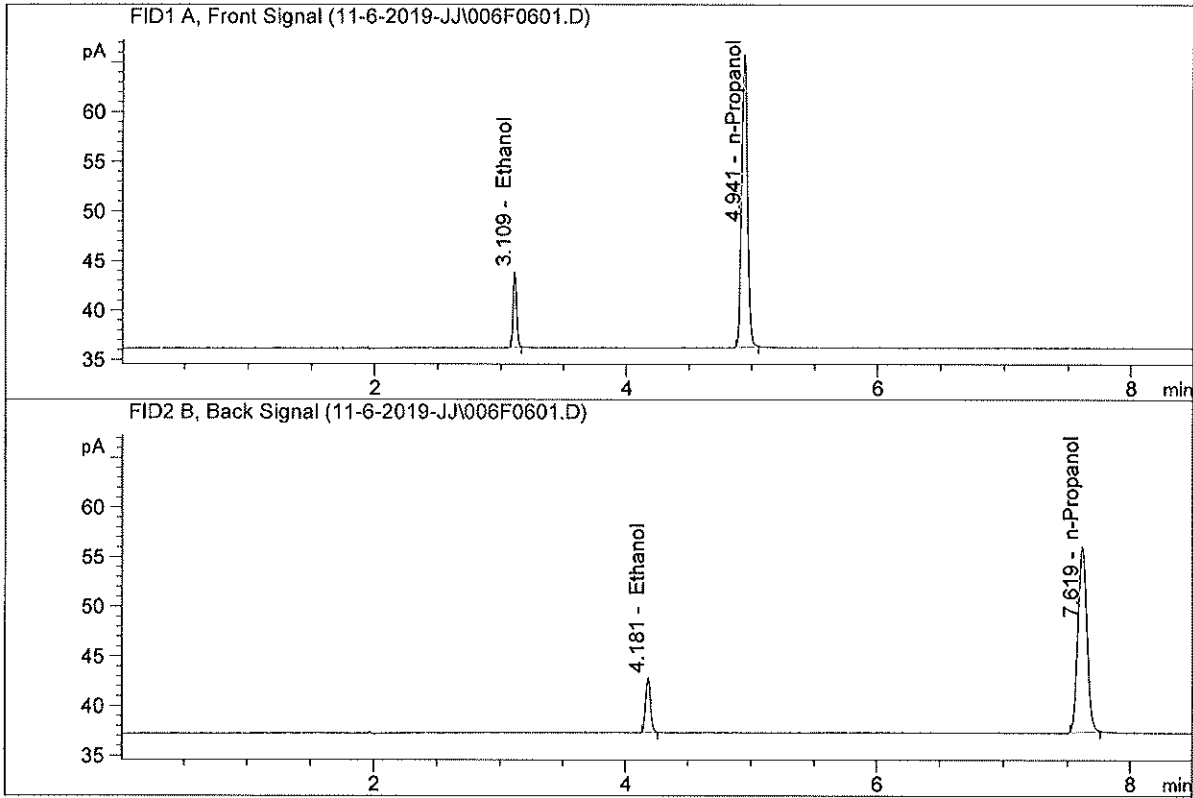## Reporting of Results   **Uncertainty of Measurement (UM%): 5.00%**

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.

Revision: 1

ISP Forensic Services Blood Alcohol Report

```
Sample Name       :   0.08 FN04171701-A
Laboratory        :   Coeur d' Alene
Injection Date    :   Nov 6, 2019
Method            :   ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
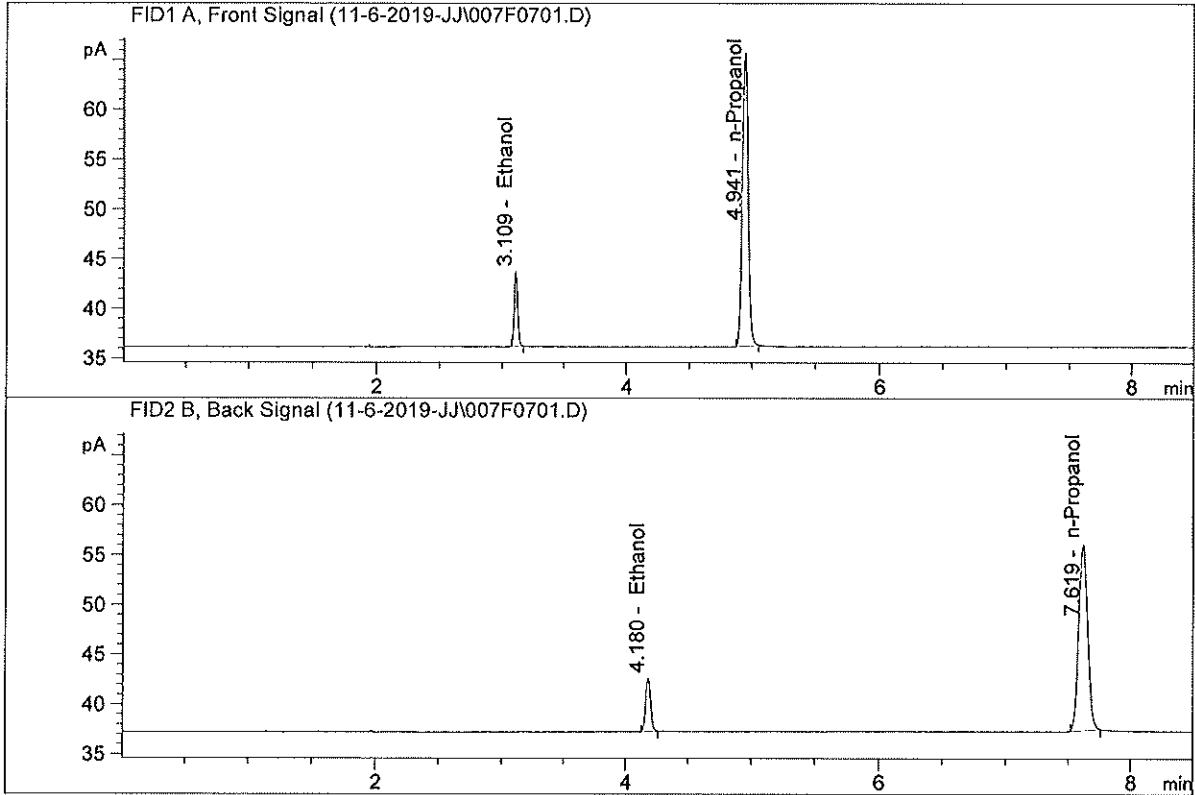

FID1 A, Front Signal (11-6-2019-JJ\006F0601.D)

FID2 B, Back Signal (11-6-2019-JJ\006F0601.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.00582	0.0817	g/100cc
2.	Ethanol	Column 2:	14.99969	0.0811	g/100cc
3.	n-Propanol	Column 1:	96.62888	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.28829	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.08 FN04171701-B
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\007F0701.D)

3.109 - Ethanol
4.941 - n-Propanol

FID2 B, Back Signal (11-6-2019-JJ\007F0701.D)

4.180 - Ethanol
7.619 - n-Propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.82792	0.0809	g/100cc
2.	Ethanol	Column 2:	14.69303	0.0798	g/100cc
3.	n-Propanol	Column 1:	96.41545	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.90906	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)   **Analysis Date(s): 06 Nov 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0781	0.0767	0.0014	0.0774	0.0780	
(g/100cc)	0.0793	0.0781	0.0012	0.0787		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11379

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

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

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-1(1)-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\026F2601.D)

FID2 B, Back Signal (11-6-2019-JJ\026F2601.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.60776	0.0781	g/100cc
2.	Ethanol	Column 2:	14.45862	0.0767	g/100cc
3.	n-Propanol	Column 1:	98.39219	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.08620	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC-1(1)-B
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (11-6-2019-JJ\027F2701.D)
FID2 B, Back Signal (11-6-2019-JJ\027F2701.D)
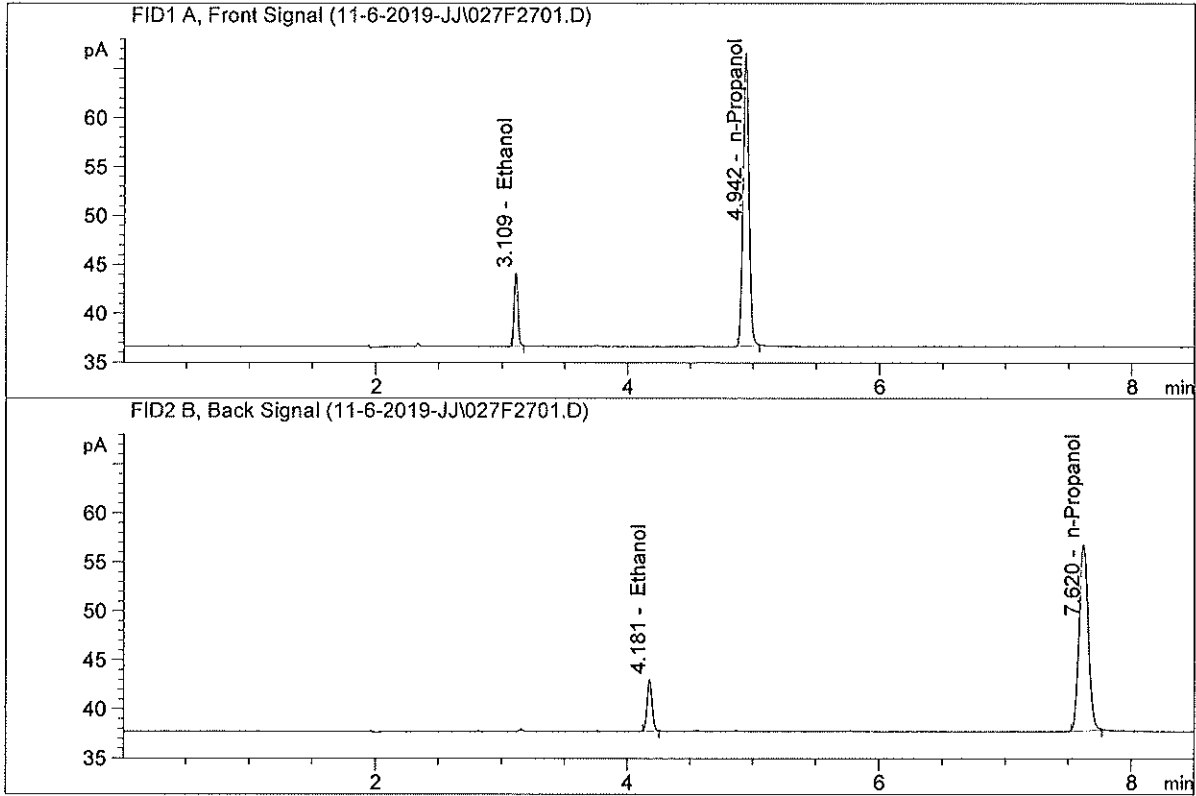
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.77372	0.0793	g/100cc
2.	Ethanol	Column 2:	14.65455	0.0781	g/100cc
3.	n-Propanol	Column 1:	98.01512	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.66183	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2)   **Analysis Date(s): 06 Nov 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1988	0.1971	0.0017	0.1979	0.1971	
(g/100cc)	0.1966	0.1960	0.0006	0.1963		

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: ML600HC11379

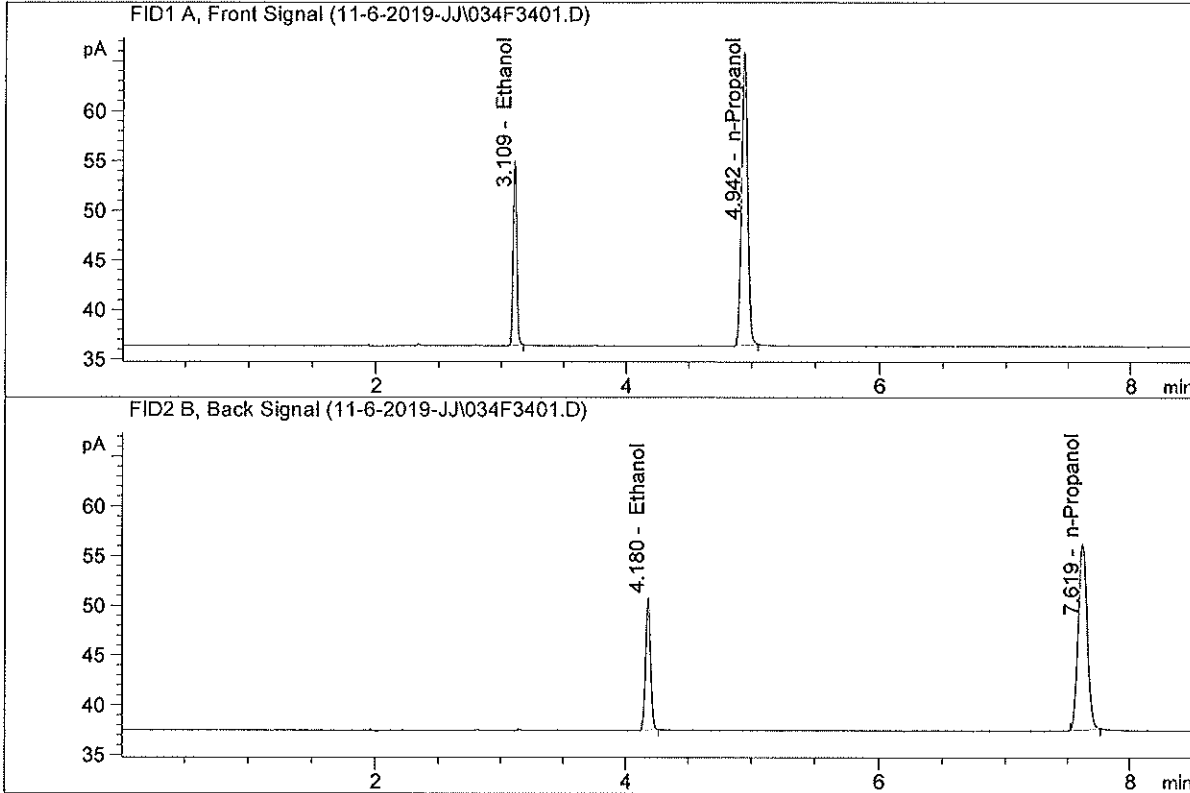## Reporting of Results   Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.197	0.187	0.207	0.010

	Reported Result	
	0.197	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2(2)-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\034F3401.D)

FID2 B, Back Signal (11-6-2019-JJ\034F3401.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.52252	0.1988	g/100cc
2.	Ethanol	Column 2:	36.36207	0.1971	g/100cc
3.	n-Propanol	Column 1:	96.60464	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.05474	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2(2)-B
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
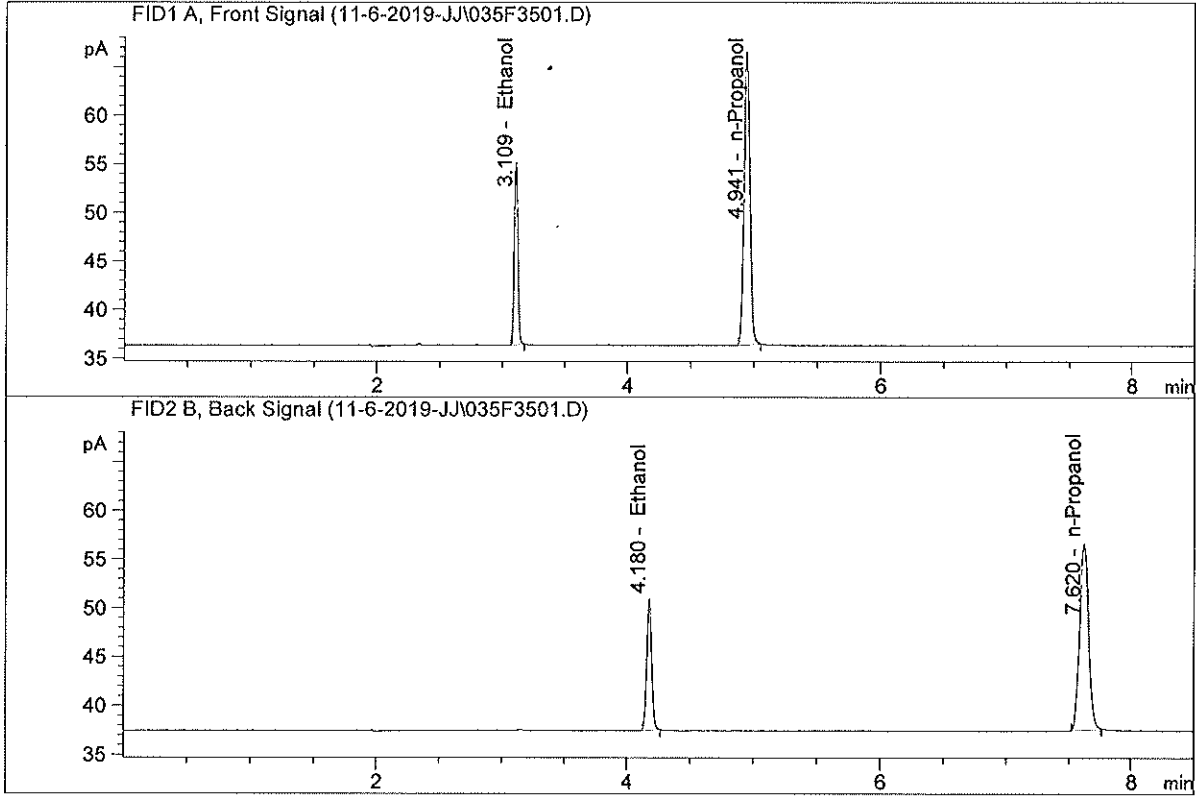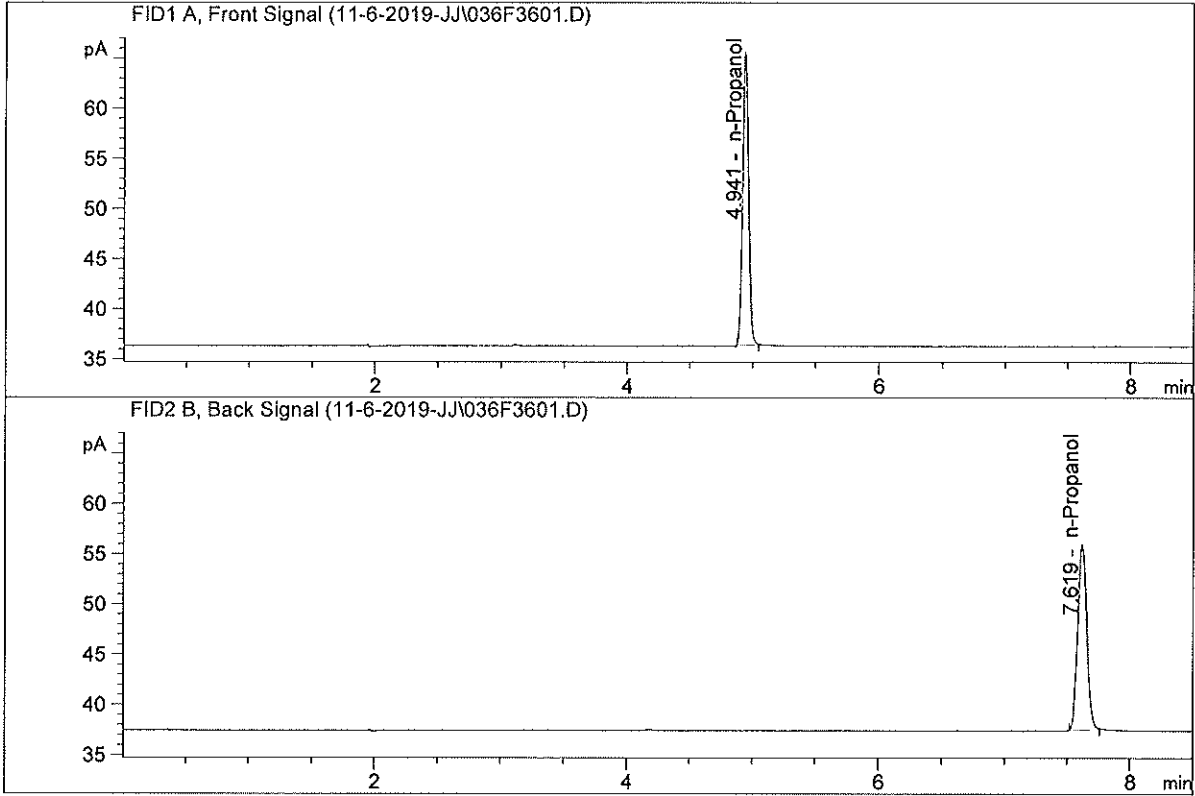

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.85949	0.1966	g/100cc
2.	Ethanol	Column 2:	36.89193	0.1960	g/100cc
3.	n-Propanol	Column 1:	98.60530	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.96711	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   ISTD BLANK-2
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
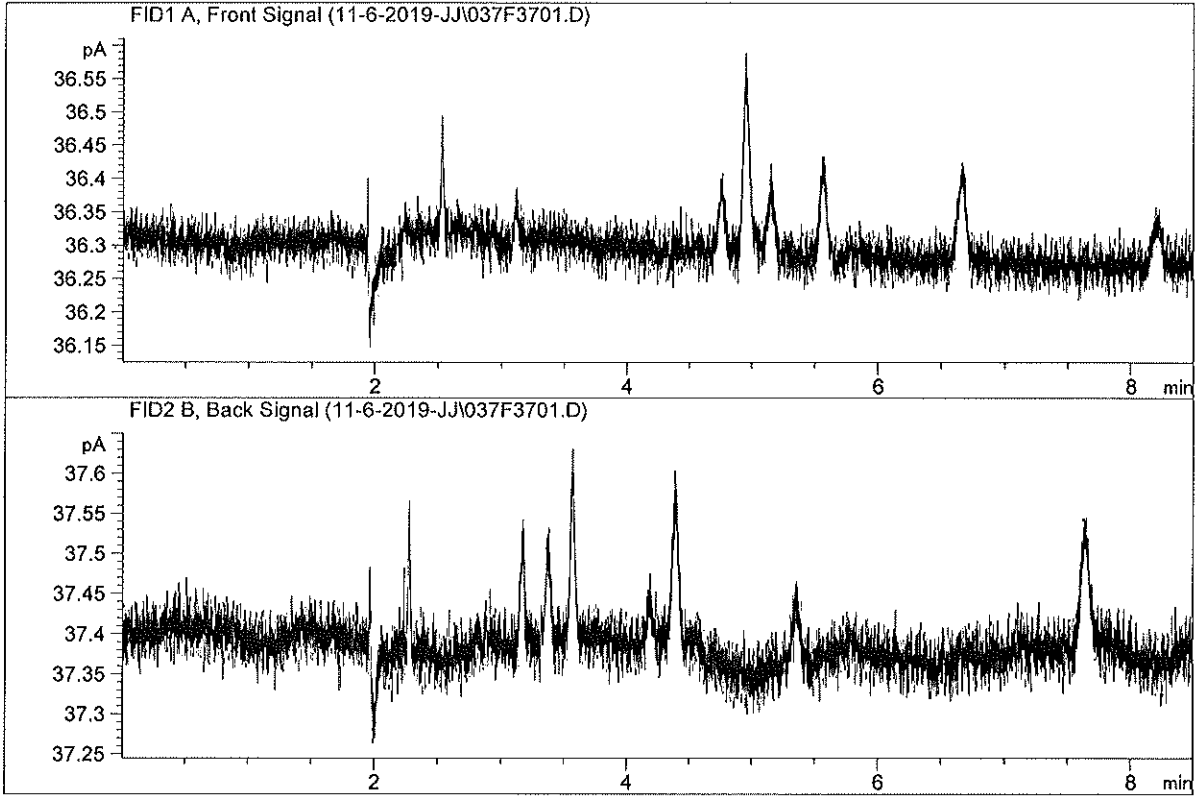Acq. Instrument: CN10742044-IT00725005

#	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:	95.34447	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.03868	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    water-2
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
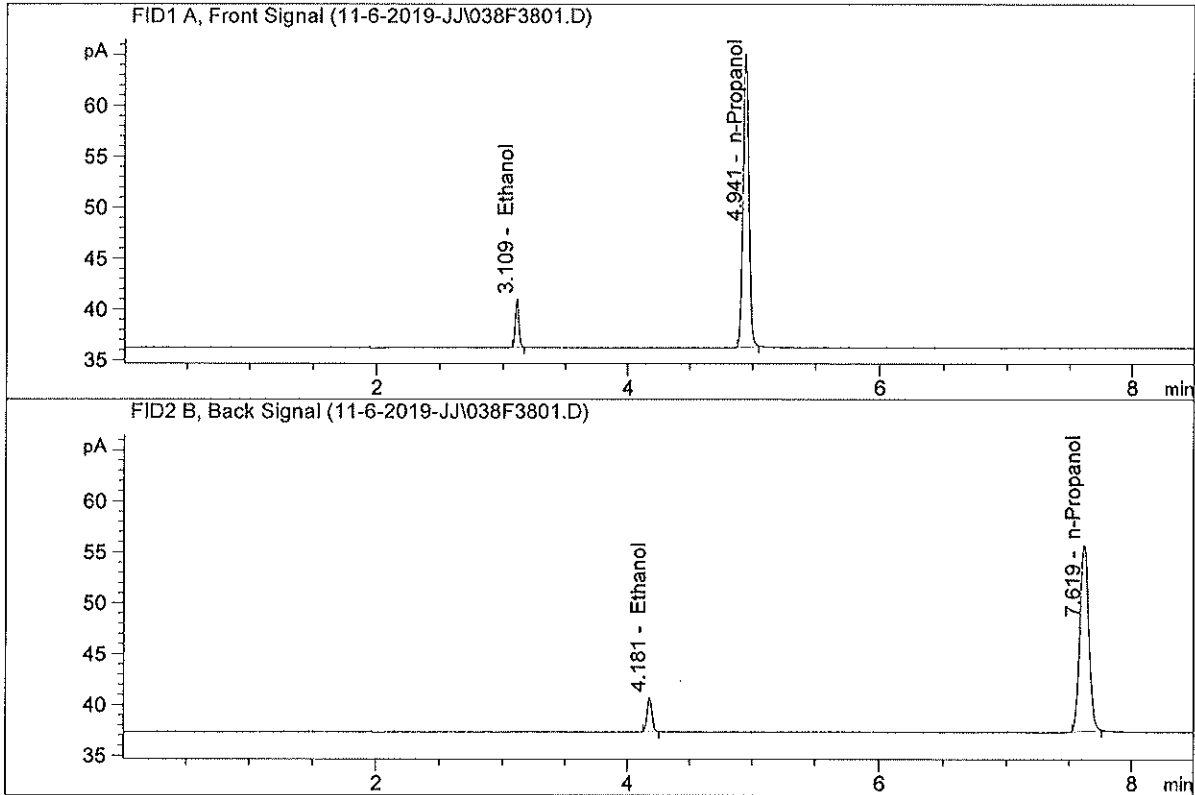

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.05 DIAGNOSTIC
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
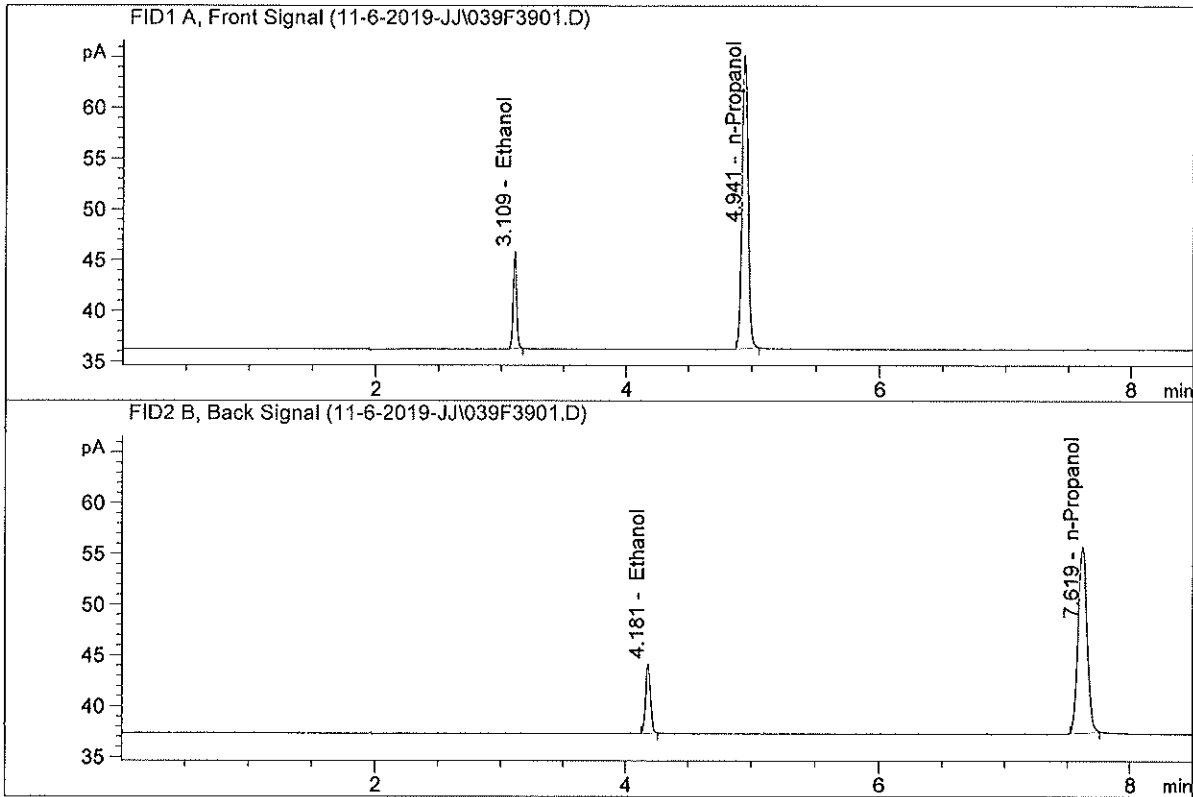Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.39610	0.0525	g/100cc
2.	Ethanol	Column 2:	9.32191	0.0516	g/100cc
3.	n-Propanol	Column 1:	94.17244	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.07973	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.100 DIAGNOSTIC
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
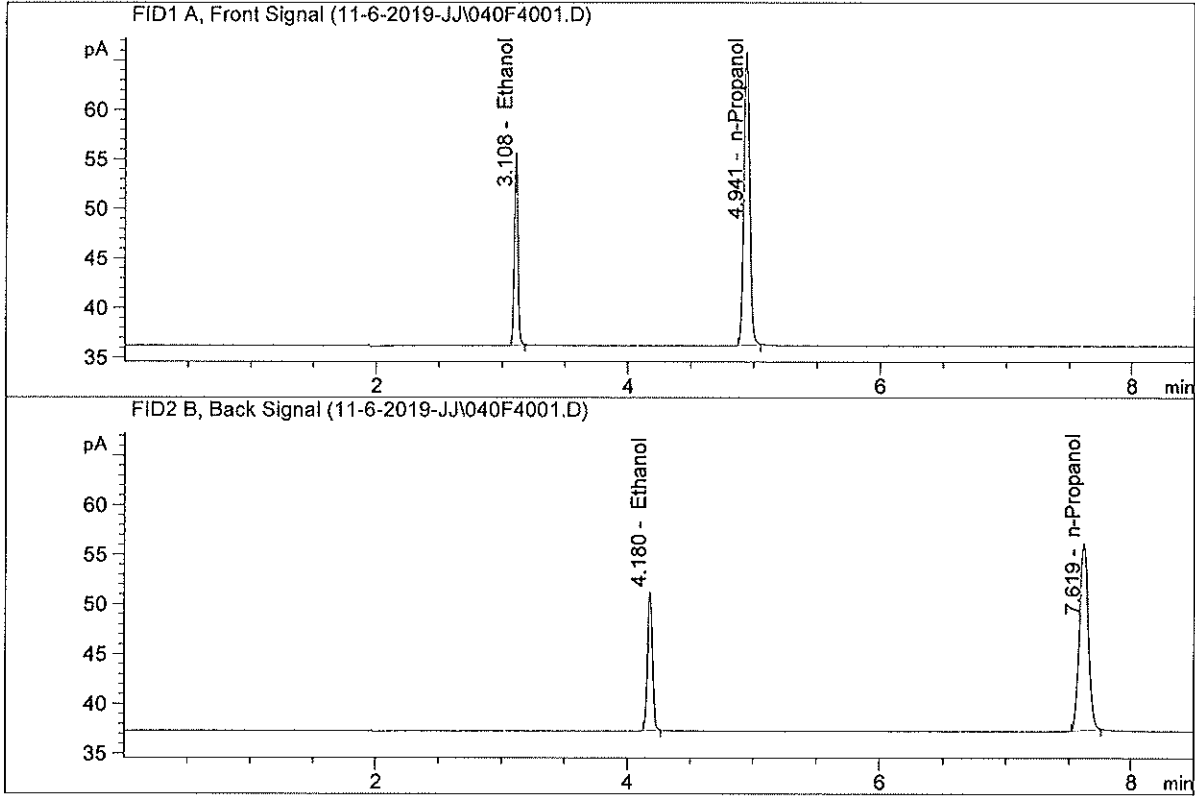Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (11-6-2019-JJ\039F3901.D)

3.109 - Ethanol
4.941 - n-Propanol

FID2 B, Back Signal (11-6-2019-JJ\039F3901.D)

4.181 - Ethanol
7.619 - n-Propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.81097	0.1045	g/100cc
2.	Ethanol	Column 2:	18.71016	0.1033	g/100cc
3.	n-Propanol	Column 1:	94.70599	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.34939	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.200 DIAGNOSTIC
Laboratory       :    Coeur d' Alene
Injection Date   :    Nov 6, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (11-6-2019-JJ\040F4001.D)

FID2 B, Back Signal (11-6-2019-JJ\040F4001.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.18637	0.2074	g/100cc
2.	Ethanol	Column 2:	38.08763	0.2061	g/100cc
3.	n-Propanol	Column 1:	96.82716	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.24016	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300 DIAGNOSTIC
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005
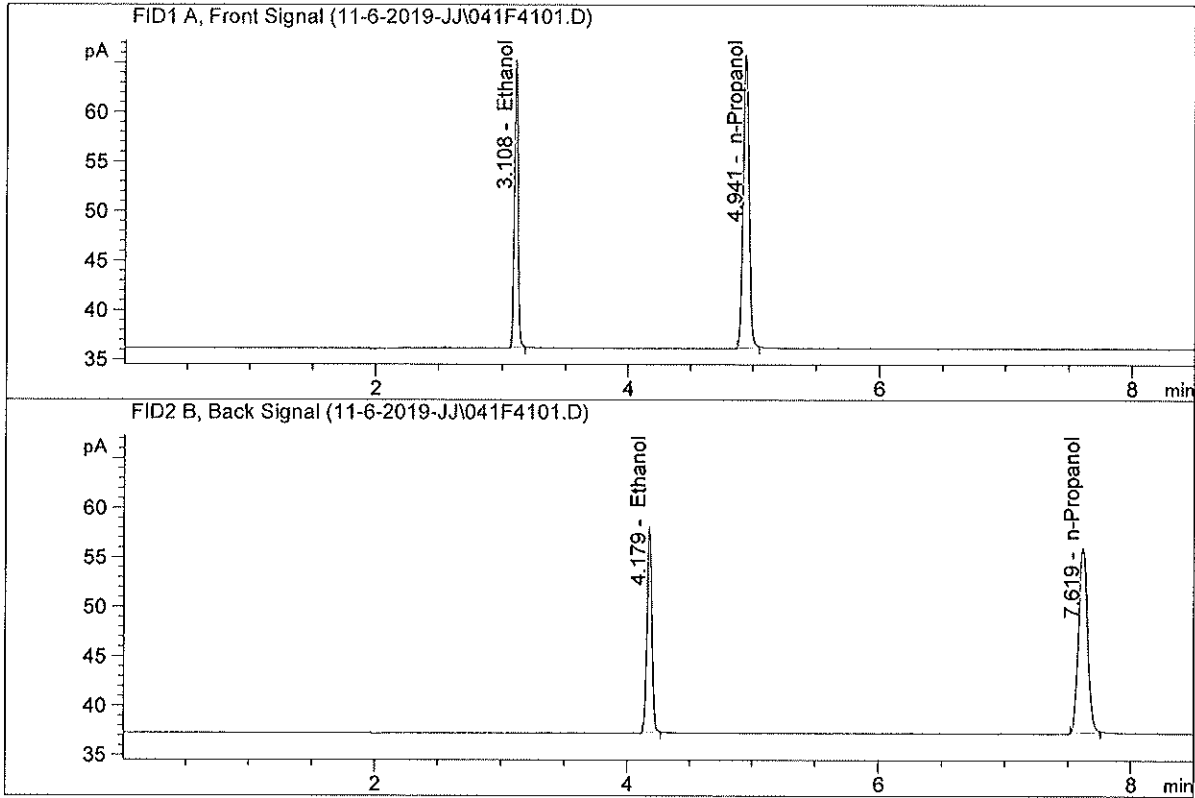
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.84593	0.3086	g/100cc
2.	Ethanol	Column 2:	56.81915	0.3078	g/100cc
3.	n-Propanol	Column 1:	96.86337	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.10823	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.500 DIAGNOSTIC
Laboratory   :   Coeur d' Alene
Injection Date   :   Nov 6, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005
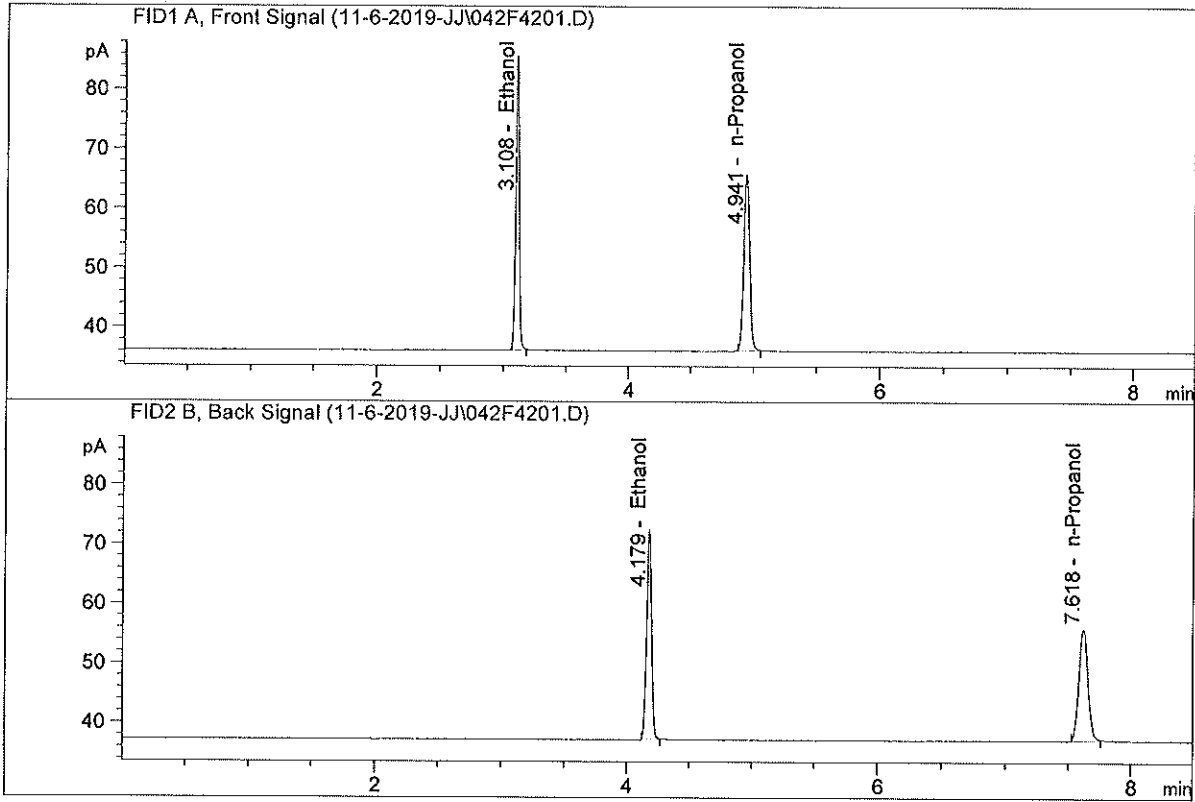
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	96.37351	0.5229	g/100cc
2.	Ethanol	Column 2:	96.56879	0.5224	g/100cc
3.	n-Propanol	Column 1:	96.93039	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.24580	1.0000	g/100cc