Worklist: 3333

LAB CASE	ITEM	TASK ID	DESCRIPTION	
C2019-0462	1	148844	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0561	1	146315	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0562	1	146316	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0587	1	146814	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0608	1	147088	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0615	1	147220	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0624	1	147265	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0634	1	147610	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0637	1	147712	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0640	1	147765	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0656	1	147943	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0668	1	148196	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0676	1	148369	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0693	1	148515	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0695	1	148532	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0696	2	148534	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0700	1	148542	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0718	1	148972	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖
C2019-0719	1	148973	Alcohol Analysis	‖‖‖‖‖‖‖‖‖‖‖‖‖

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

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

Analytical Method(s): 1.0

Volatiles Quality Assurance Controls

Run Date(s): 4/24/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0812 g/100cc 0.0824 g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1989 g/100cc 0.2018 g/100cc

Multi-Component mixture:	Curve Fit:	Column 1	Lot #	Column2	
	Sep-20	1.00000	FN0641502	1.00000	OK

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0507	0.0502	0.0005	0.0504
100	0.100	0.090 - 0.110	0.1002	0.0998	0.0004	0.1
200	0.200	0.180 - 0.220	0.2008	0.1996	0.0012	0.2002
300	0.300	0.270 - 0.330	0.3004	0.3002	0.0002	0.3003
500	0.500	0.450 - 0.550	0.4994	0.5001	0.0007	0.4997

Aqueous Controls

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_24.04.2019_12.58.00\4-24-2019.S

<center>S a m p l e   S u m m a r y</center>

```
Sequence table:        C:\Chem32\1\TEMP\AESEQ\QS_24.04.2019_12.58.00\4-24-2019.S
Data directory path:   C:\Chem32\1\Data\4-24-2019-JJ
Logbook:               C:\Chem32\1\Data\4-24-2019-JJ\4-24-2019.LOG
Sequence start:        4/24/2019 1:11:48 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	-	1.0000	001F0101.D	0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D	10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D	2
4	4	1	QC-2-A	-	1.0000	004F0401.D	4
5	5	1	QC-2-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	C2019-0462-1-A	-	1.0000	008F0801.D	6
9	9	1	C2019-0462-1-B	-	1.0000	009F0901.D	6
10	10	1	C2019-0561-1-A	-	1.0000	010F1001.D	6
11	11	1	C2019-0561-1-B	-	1.0000	011F1101.D	6
12	12	1	C2019-0587-1-A	-	1.0000	012F1201.D	4
13	13	1	C2019-0587-1-B	-	1.0000	013F1301.D	4
14	14	1	C2019-0608-1-A	-	1.0000	014F1401.D	4
15	15	1	C2019-0608-1-B	-	1.0000	015F1501.D	4
16	16	1	C2019-0615-1-A	-	1.0000	016F1601.D	4
17	17	1	C2019-0615-1-B	-	1.0000	017F1701.D	4
18	18	1	C2019-0624-1-A	-	1.0000	018F1801.D	4
19	19	1	C2019-0624-1-B	-	1.0000	019F1901.D	6
20	20	1	C2019-0634-1-A	-	1.0000	020F2001.D	4
21	21	1	C2019-0634-1-B	-	1.0000	021F2101.D	4
22	22	1	C2019-0637-1-A	-	1.0000	022F2201.D	4
23	23	1	C2019-0637-1-B	-	1.0000	023F2301.D	4
24	24	1	C2019-0640-1-A	-	1.0000	024F2401.D	4
25	25	1	C2019-0640-1-B	-	1.0000	025F2501.D	4
26	26	1	QC-1-A	-	1.0000	026F2601.D	4
27	27	1	QC-1-B	-	1.0000	027F2701.D	4
28	28	1	C2019-0668-1-A	-	1.0000	028F2801.D	4
29	29	1	C2019-0668-1-B	-	1.0000	029F2901.D	4
30	30	1	C2019-0676-1-A	-	1.0000	030F3001.D	6
31	31	1	C2019-0676-1-B	-	1.0000	031F3101.D	6
32	32	1	C2019-0693-1-A	-	1.0000	032F3201.D	4
33	33	1	C2019-0693-1-B	-	1.0000	033F3301.D	4
34	34	1	C2019-0695-1-A	-	1.0000	034F3401.D	2
35	35	1	C2019-0695-1-B	-	1.0000	035F3501.D	2
36	36	1	C2019-0696-2-A	-	1.0000	036F3601.D	2
37	37	1	C2019-0696-2-B	-	1.0000	037F3701.D	2
38	38	1	C2019-0700-1-A	-	1.0000	038F3801.D	4
39	39	1	C2019-0700-1-B	-	1.0000	039F3901.D	4
40	40	1	C2019-0718-1-A	-	1.0000	040F4001.D	4
41	41	1	C2019-0718-1-B	-	1.0000	041F4101.D	4
42	42	1	C2019-0719-1-A	-	1.0000	042F4201.D	4
43	43	1	C2019-0719-1-B	-	1.0000	043F4301.D	4
44	44	1	C2019-0562-1-A	-	1.0000	044F4401.D	4
45	45	1	C2019-0562-1-B	-	1.0000	045F4501.D	4
46	46	1	C2019-0656-1-A	-	1.0000	046F4601.D	2

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	C2019-0656-1-B	-	1.0000	047F4701.D		2
48	48	1	QC-2-A	-	1.0000	048F4801.D		4
49	49	1	QC-2-B	-	1.0000	049F4901.D		4
50	50	1	QC-1-A	-	1.0000	050F5001.D		4
51	51	1	QC-1-B	-	1.0000	051F5101.D		4
52	52	1	ISTD BLANK	-	1.0000	052F5201.D		2
53	53	1	water	-	1.0000	053F5301.D		0

99

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

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



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

Calib. Data Modified  :      Wednesday, April 24, 2019 12:49:44 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
-------------------------------------------------------------------------
```

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```
      RT Sig Lvl   Amount       Area    Rsp.Factor Ref ISTD #    Compound
                   [g/100cc]
-------|-|--|-----------|-----------|-----------|---|---|-|-------------------
 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
 3.105 1   1 5.00000e-2     8.77298 5.69932e-3   No  No 1 Ethanol
           2 1.00000e-1    17.45093 5.73035e-3
           3 2.00000e-1    35.21144 5.67997e-3
           4 3.00000e-1    52.51675 5.71246e-3
           5 5.00000e-1    87.23103 5.73191e-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
 4.176 2   1 5.00000e-2     8.80062 5.68142e-3   No  No 2 Ethanol
           2 1.00000e-1    17.52456 5.70628e-3
           3 2.00000e-1    35.32162 5.66225e-3
           4 3.00000e-1    52.87025 5.67427e-3
           5 5.00000e-1    87.75555 5.69765e-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
 4.938 1   1    1.00000    90.99494 1.09896e-2   No Yes 1 n-Propanol
           2    1.00000    91.56612 1.09211e-2
           3    1.00000    92.18099 1.08482e-2
           4    1.00000    91.89217 1.08823e-2
           5    1.00000    91.81802 1.08911e-2
 7.614 2   1    1.00000    90.05647 1.11041e-2   No Yes 2 n-Propanol
           2    1.00000    90.30361 1.10738e-2
           3    1.00000    90.99078 1.09901e-2
           4    1.00000    90.54079 1.10447e-2
           5    1.00000    90.22615 1.10833e-2
```
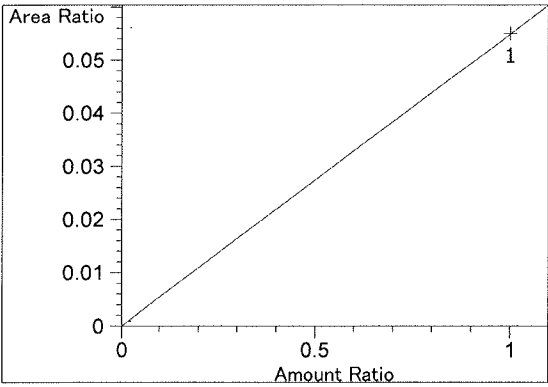--

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                              Peak Sum Table

No Entries in table

==
                            Calibration Curves
==
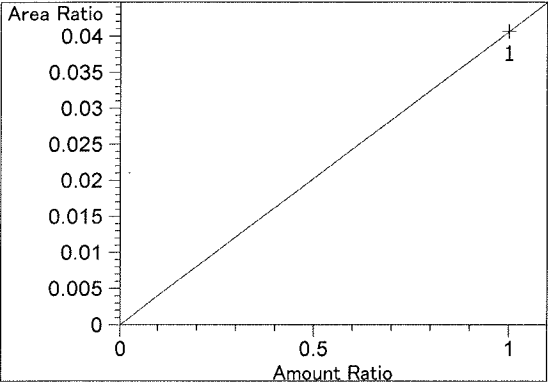

Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 5.55207e-2
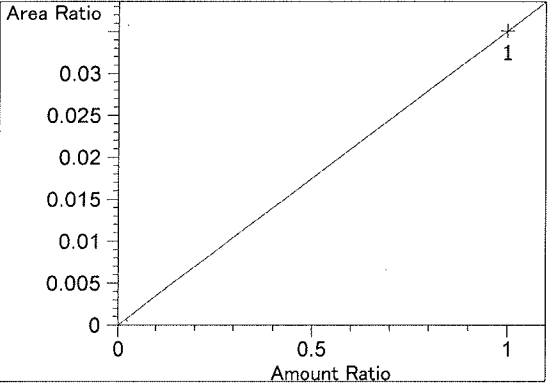   x: Amount Ratio
        y: Area Ratio

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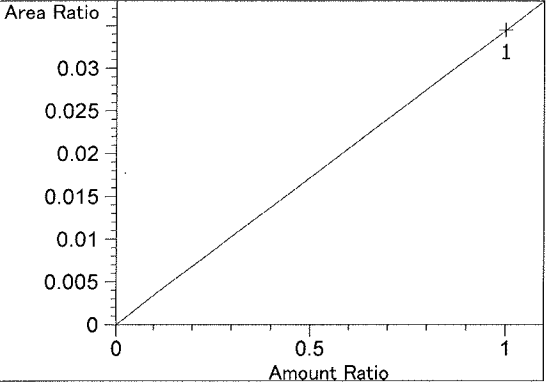

Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 5.49481e-2
         x: Amount Ratio
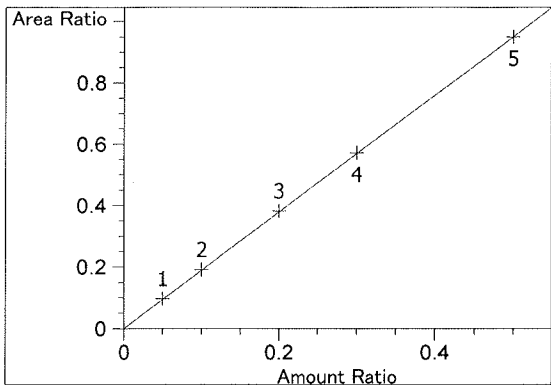   y: Area Ratio

Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 4.06253e-2
         x: Amount Ratio
         y: Area Ratio

Acetaldehyde at exp. RT: 2.772
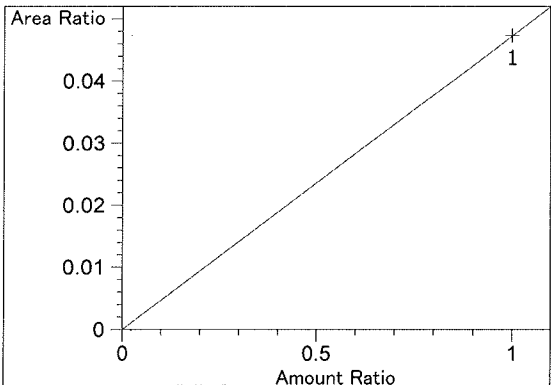FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 3.50911e-2
         x: Amount Ratio
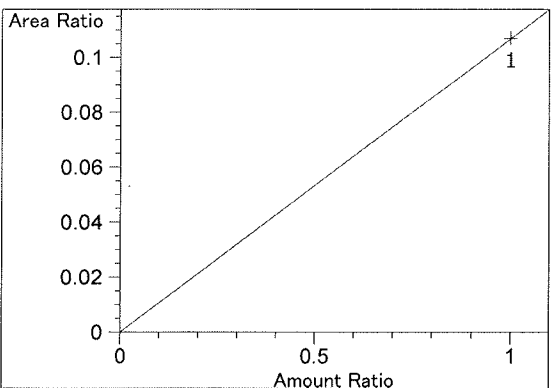   y: Area Ratio

Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 3.44867e-2
         x: Amount Ratio
         y: Area Ratio

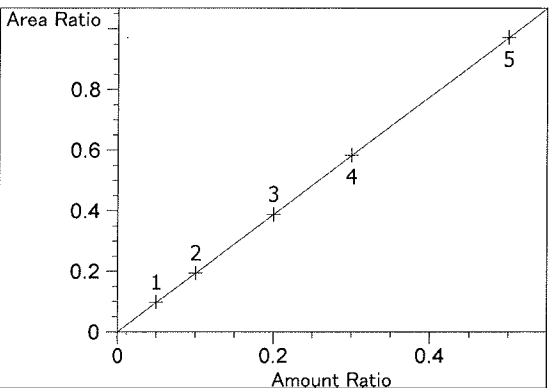Method C:\CHEM32\1\METHODS\ALCOHOL.M

Ethanol at exp. RT: 3.105
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00122
Formula: y = mx
        m: 1.90254
        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: 4.73106e-2
        x: Amount Ratio
        y: Area Ratio

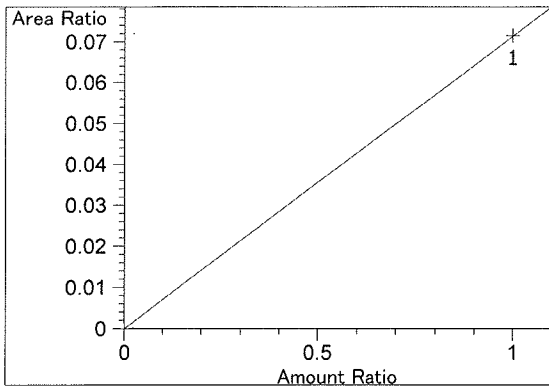Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.06935e-1
        x: Amount Ratio
        y: Area Ratio

Ethanol at exp. RT: 4.176
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00057
Formula: y = mx
        m: 1.94502
        x: Amount Ratio
        y: Area Ratio

Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
       m: 7.14260e-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: 7.65410e-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: 1.18886e-1
       x: Amount Ratio
       y: Area Ratio

n-Propanol at exp. RT: 4.938
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
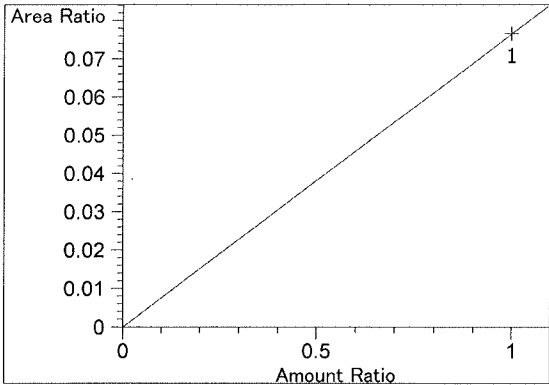

n-Propanol at exp. RT: 7.614
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
         m: 1.00000
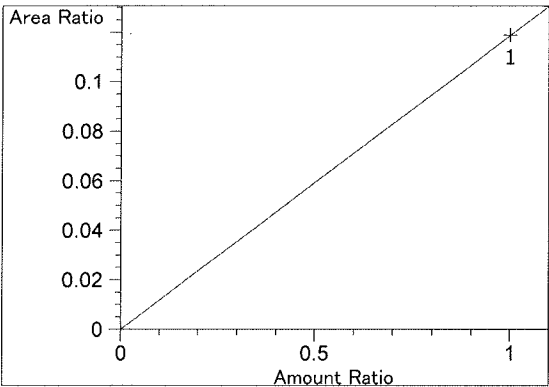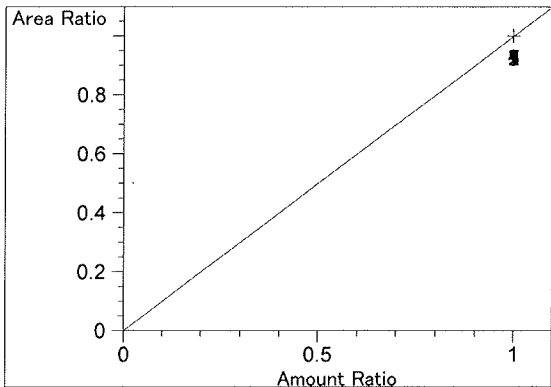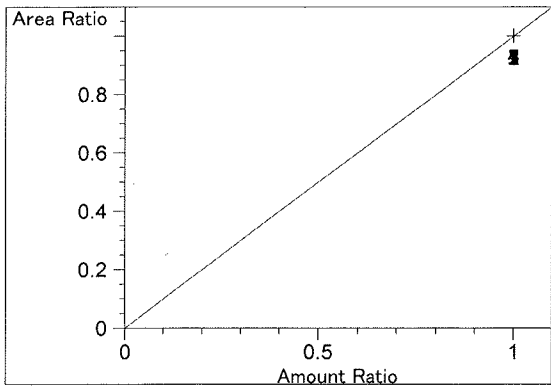   x: Amount Ratio
         y: Area Ratio

===

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_24.04.2019_11.27.30\4-24-19cal.S

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_24.04.2019_11.27.30\4-24-19cal.S
Data directory path: C:\Chem32\1\Data\4-24-19calBJJ
Logbook: C:\Chem32\1\Data\4-24-19calBJJ\4-24-19cal.LOG
Sequence start: 4/24/2019 11:41:13 AM
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   :   0.05
Laboratory   :   Coeur d' Alene
Injection Date :   Apr 24, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005
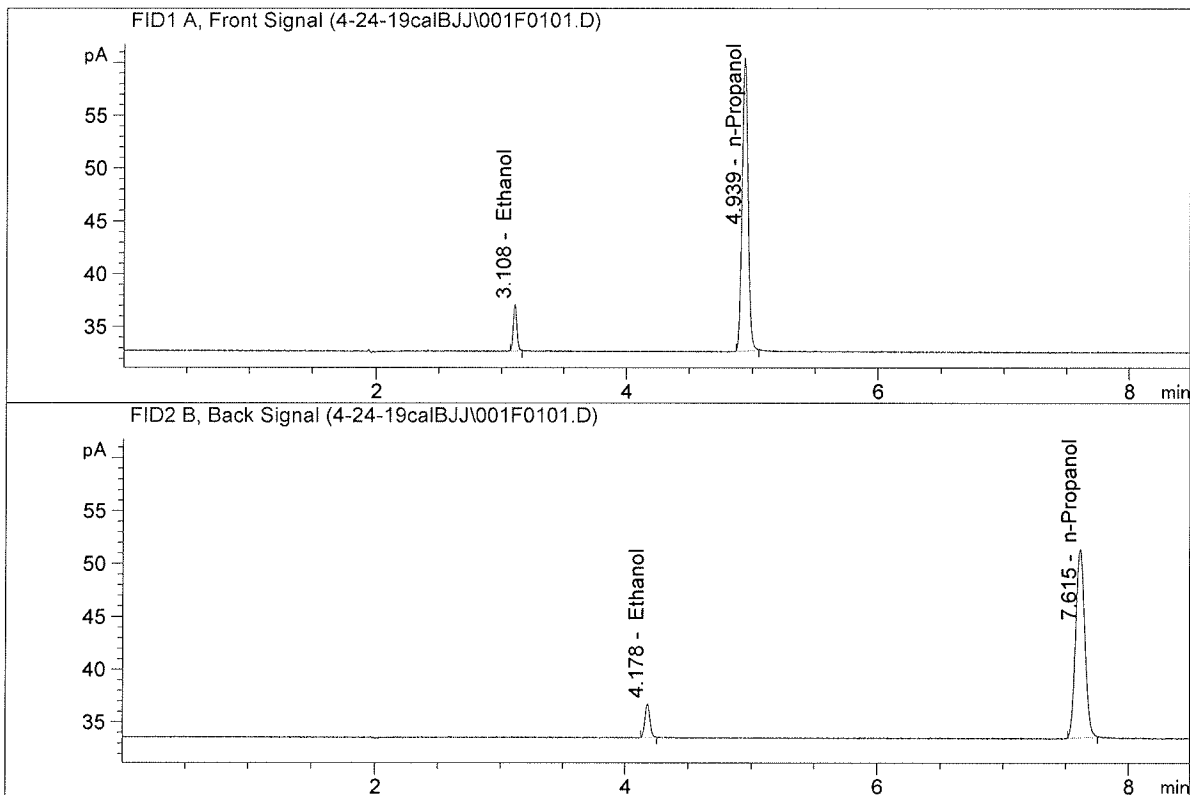
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.77298	0.0507	g/100cc
2.	Ethanol	Column 2:	8.80062	0.0502	g/100cc
3.	n-Propanol	Column 1:	90.99494	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.05647	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.100
Laboratory       :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-19calBJJ\002F0201.D)

FID2 B, Back Signal (4-24-19calBJJ\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.45093	0.1002	g/100cc
2.	Ethanol	Column 2:	17.52456	0.0998	g/100cc
3.	n-Propanol	Column 1:	91.56612	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.30361	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.200
Laboratory      :   Coeur d' Alene
Injection Date  :   Apr 24, 2019
Method          :   ALCOHOL.M
Acq. Instrument :   CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-19calBJJ\003F0301.D)

FID2 B, Back Signal (4-24-19calBJJ\003F0301.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.21144	0.2008	g/100cc
2.	Ethanol	Column 2:	35.32162	0.1996	g/100cc
3.	n-Propanol	Column 1:	92.18099	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.99078	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300
Laboratory   :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method   :   ALCOHOL.M
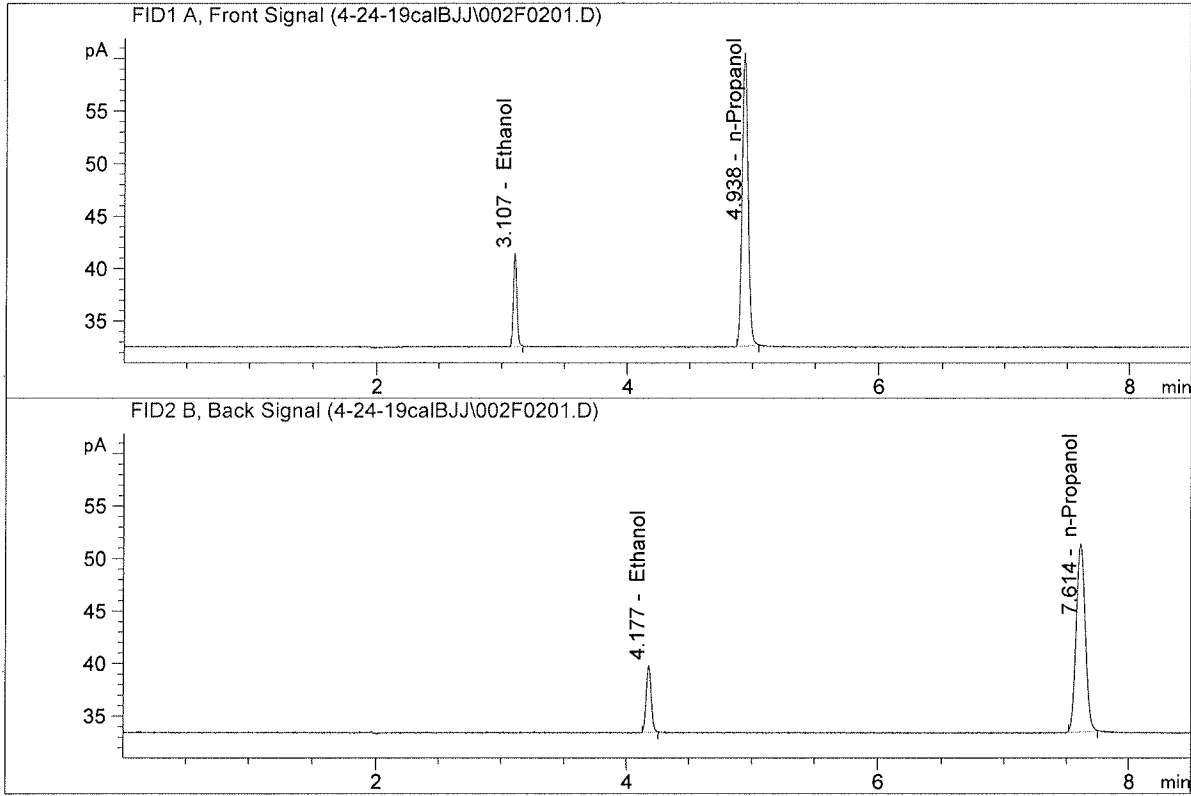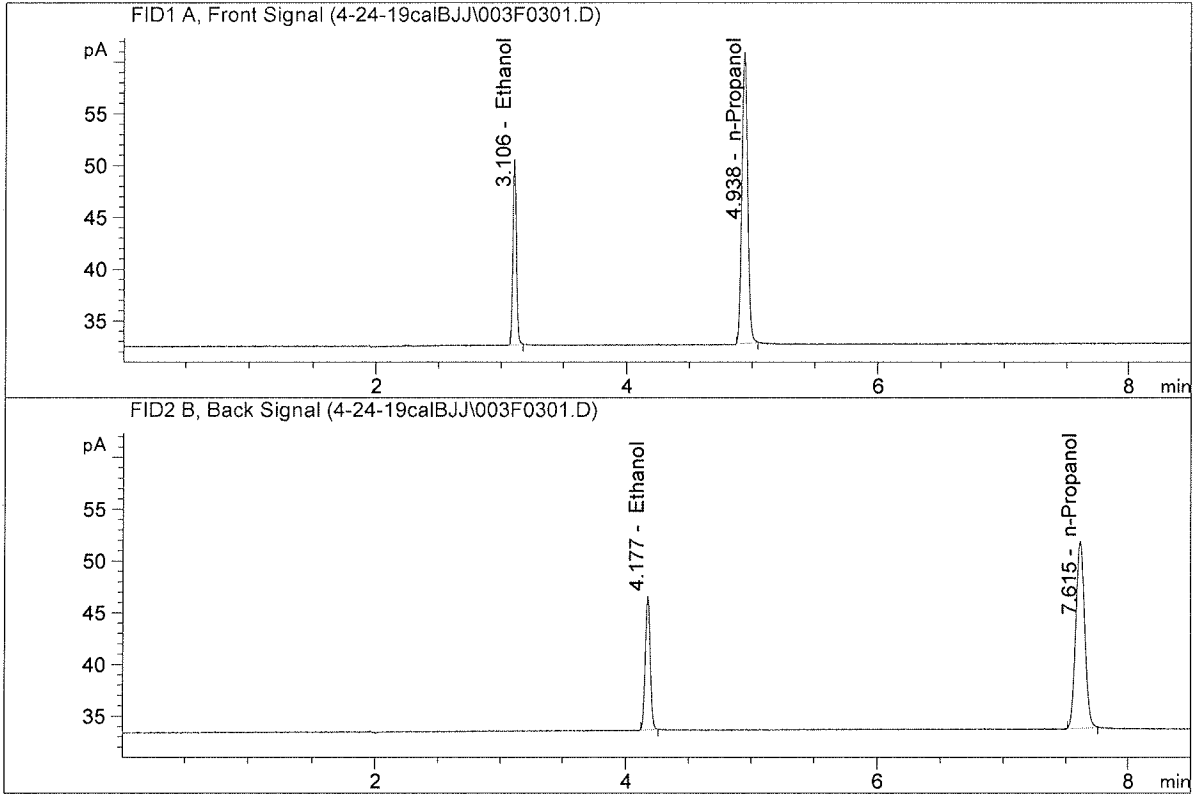Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	52.51675	0.3004	g/100cc
2.	Ethanol	Column 2:	52.87025	0.3002	g/100cc
3.	n-Propanol	Column 1:	91.89217	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.54079	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.500
Laboratory       :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```
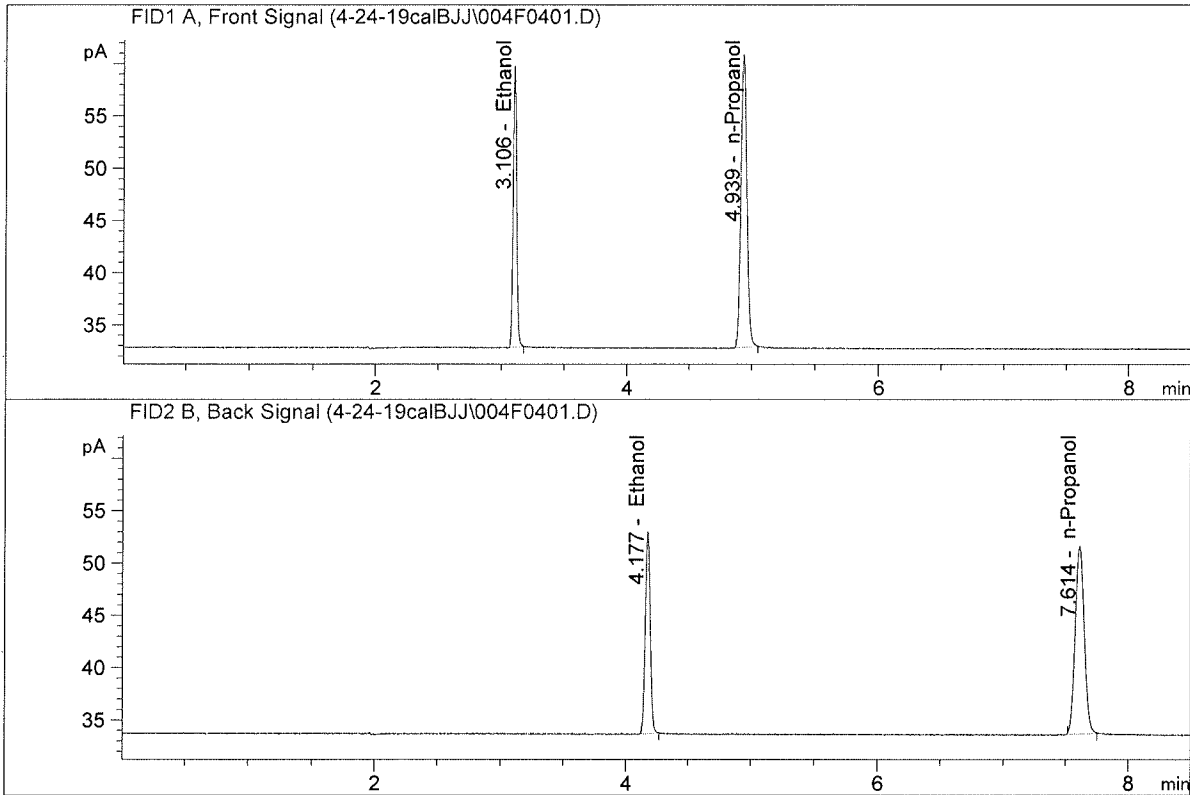

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.23103	0.4994	g/100cc
2.	Ethanol	Column 2:	87.75555	0.5001	g/100cc
3.	n-Propanol	Column 1:	91.81802	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.22615	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name   :   water
Laboratory   :   Coeur d' Alene
Injection Date : Apr 24, 2019
Method   :   ALCOHOL.M
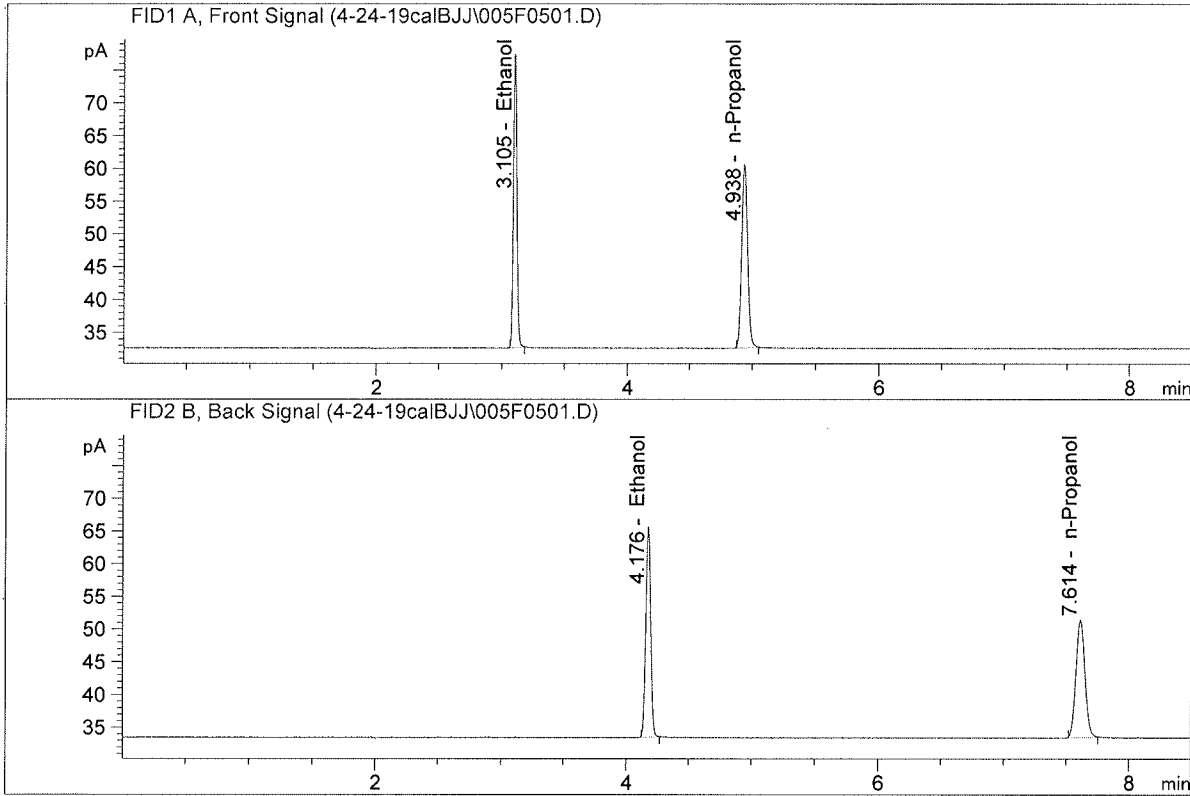Acq. Instrument: CN10742044-IT00725005

#	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   :   VOL MIX FN-06041502
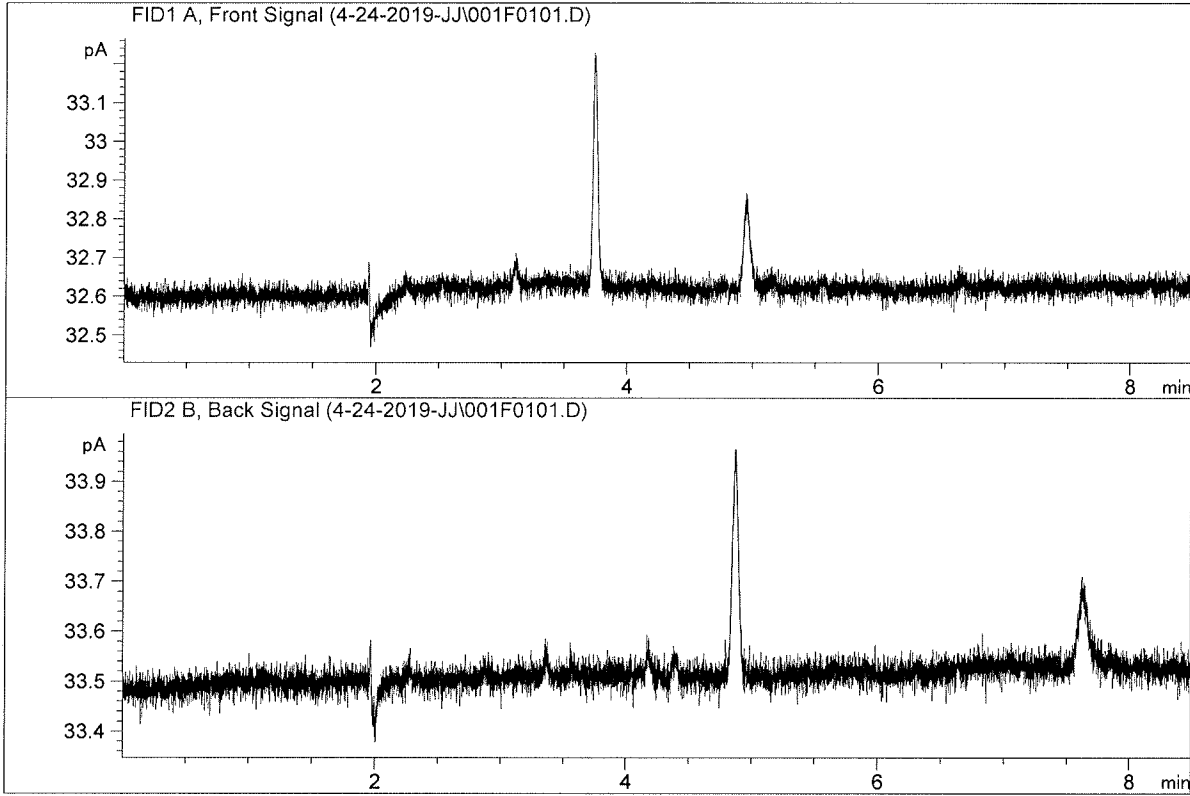Laboratory   :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	31.00697	0.2119	g/100cc
2.	Ethanol	Column 2:	31.14951	0.2115	g/100cc
3.	n-Propanol	Column 1:	76.91264	1.0000	g/100cc
4.	n-Propanol	Column 2:	75.73430	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    ISTD BLANK
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-2019-JJ\003F0301.D)

FID2 B, Back Signal (4-24-2019-JJ\003F0301.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:	87.08248	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.03289	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    blank
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
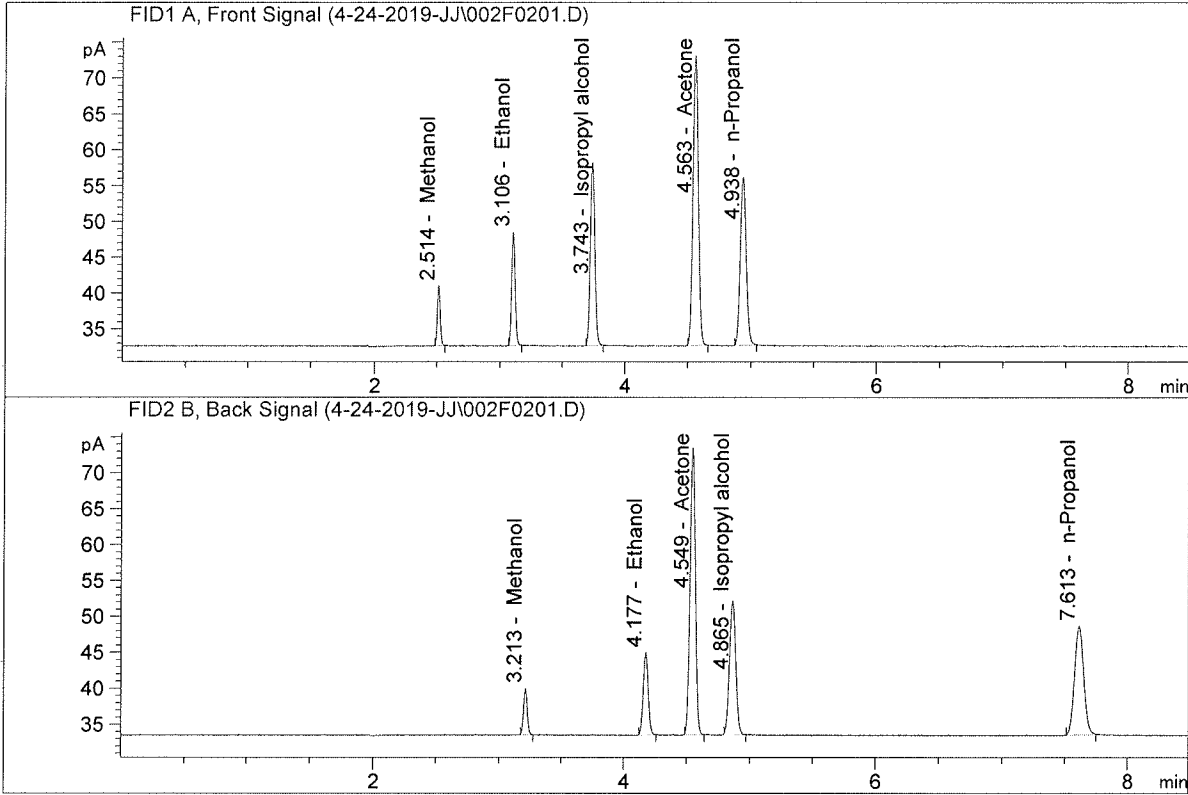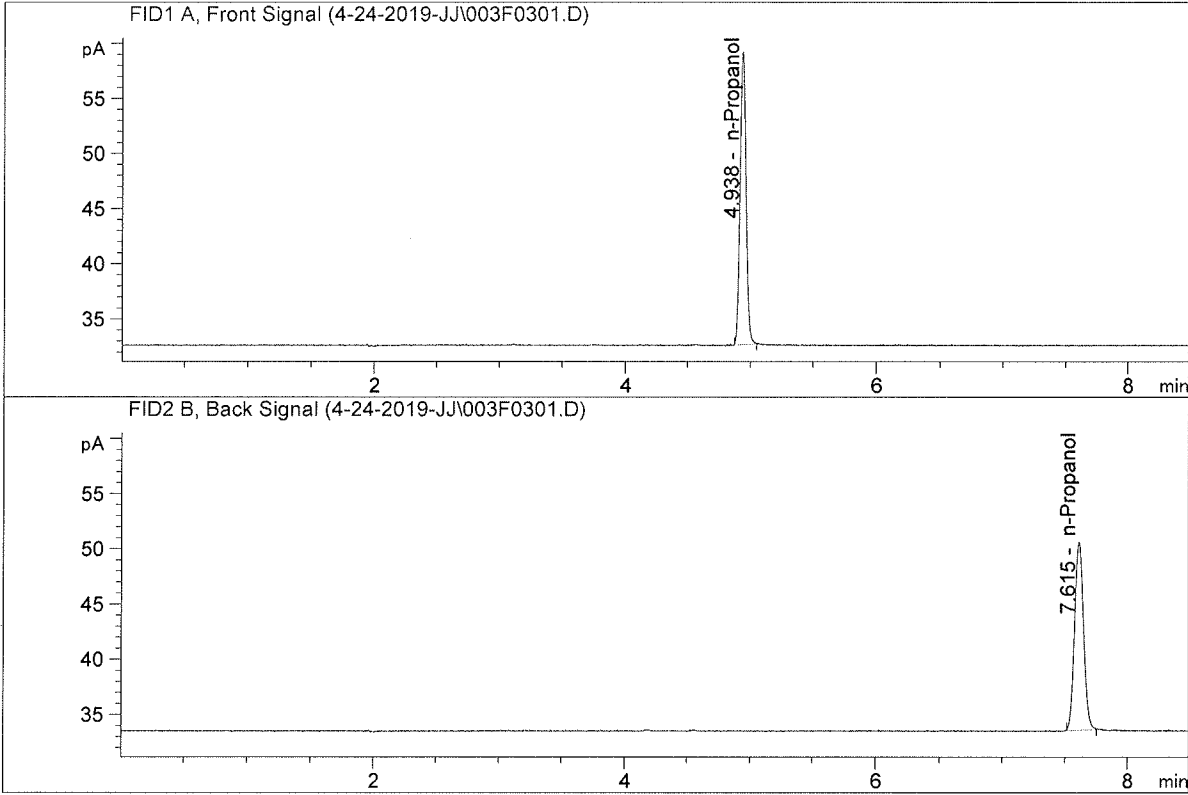

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	86.95833	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.92564	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2   **Analysis Date(s): 24 Apr 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1978	0.1976	0.0002	0.1977	0.1989	
(g/100cc)	0.2002	0.2000	0.0002	0.2001		

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
0.198	0.188	0.208	0.010

	Reported Result	
	0.198	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
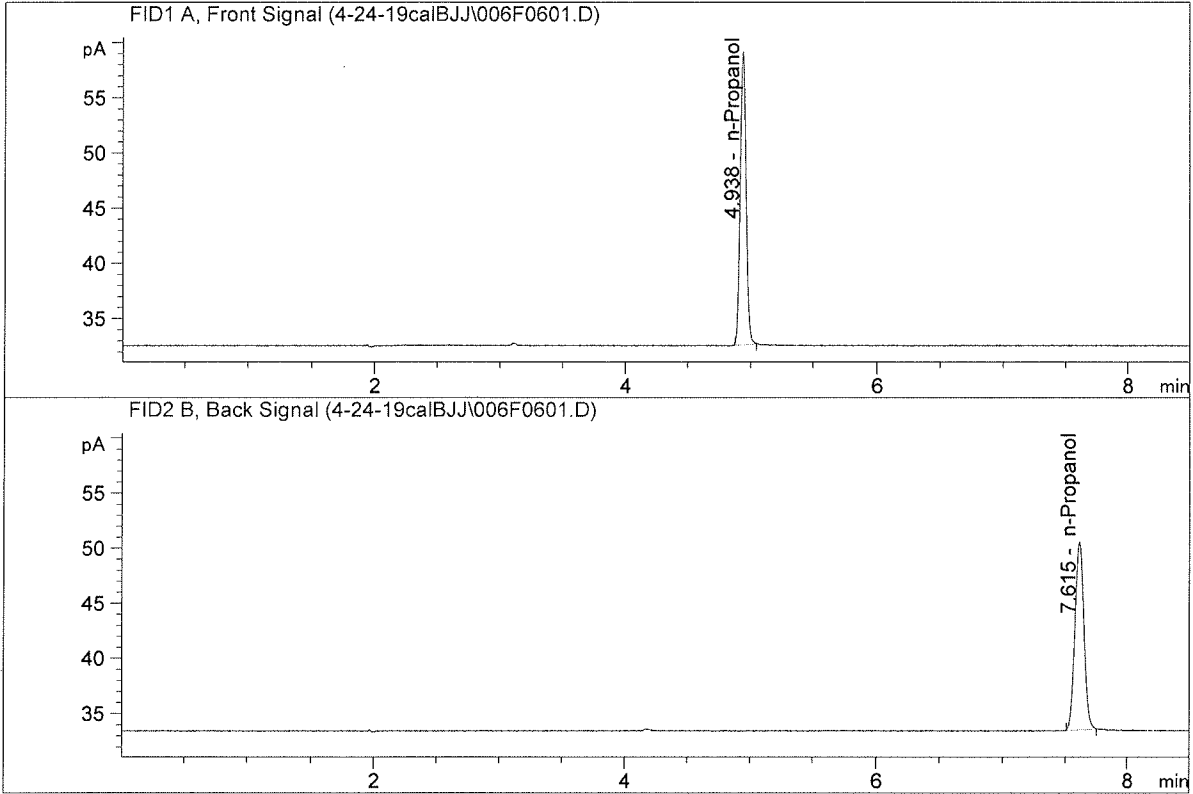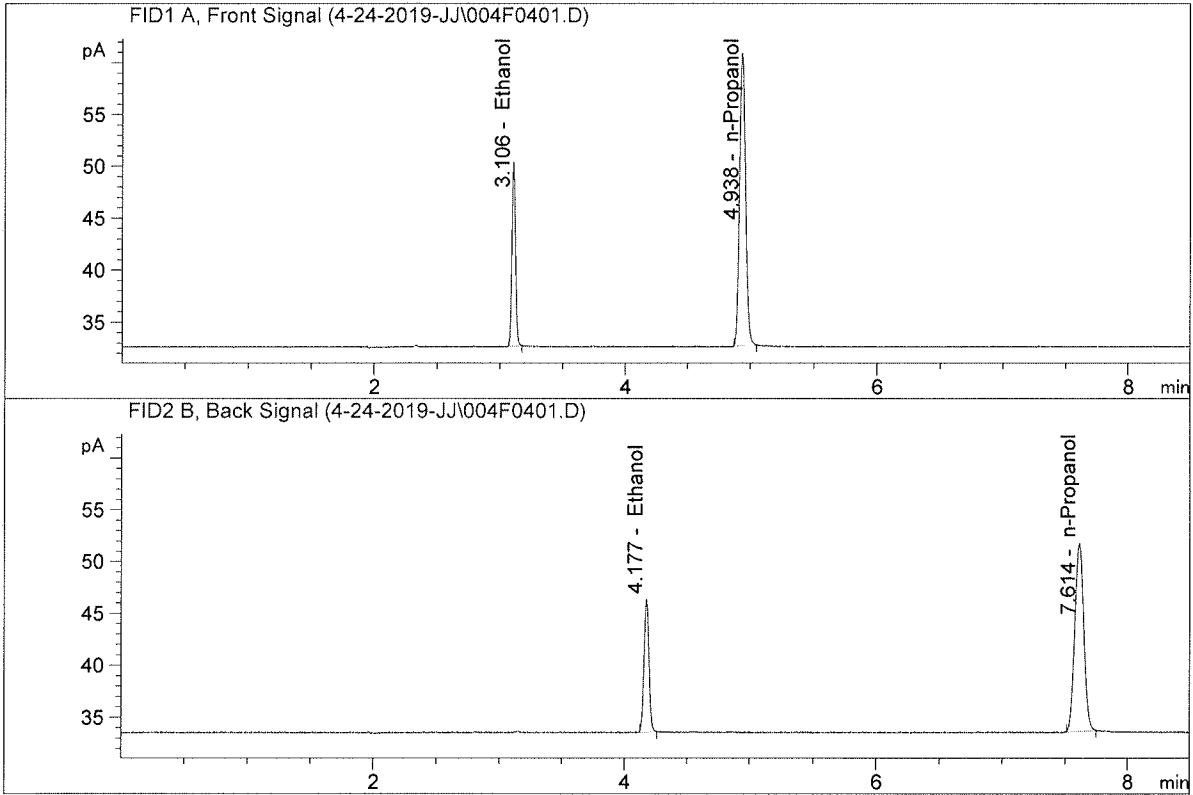

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.79456	0.1978	g/100cc
2.	Ethanol	Column 2:	34.99613	0.1976	g/100cc
3.	n-Propanol	Column 1:	92.43886	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.04301	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC-2-B
Laboratory       :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-2019-JJ\005F0501.D)

FID2 B, Back Signal (4-24-2019-JJ\005F0501.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.19165	0.2002	g/100cc
2.	Ethanol	Column 2:	35.43244	0.2000	g/100cc
3.	n-Propanol	Column 1:	92.37808	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.10329	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701   **Analysis Date(s): 24 Apr 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0815	0.0809	0.0006	0.0812	0.0808	
(g/100cc)	0.0808	0.0803	0.0005	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: 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.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    0.08 FN04171701-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
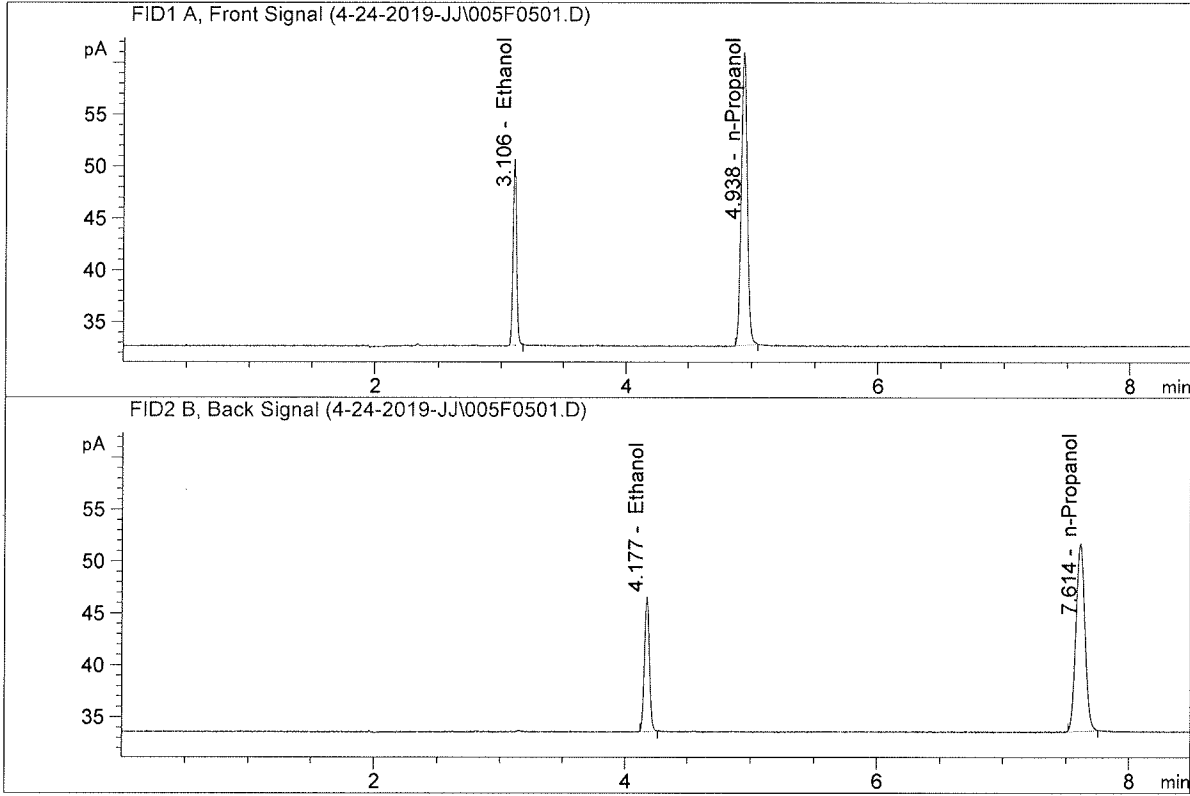

FID1 A, Front Signal (4-24-2019-JJ\006F0601.D)

FID2 B, Back Signal (4-24-2019-JJ\006F0601.D)
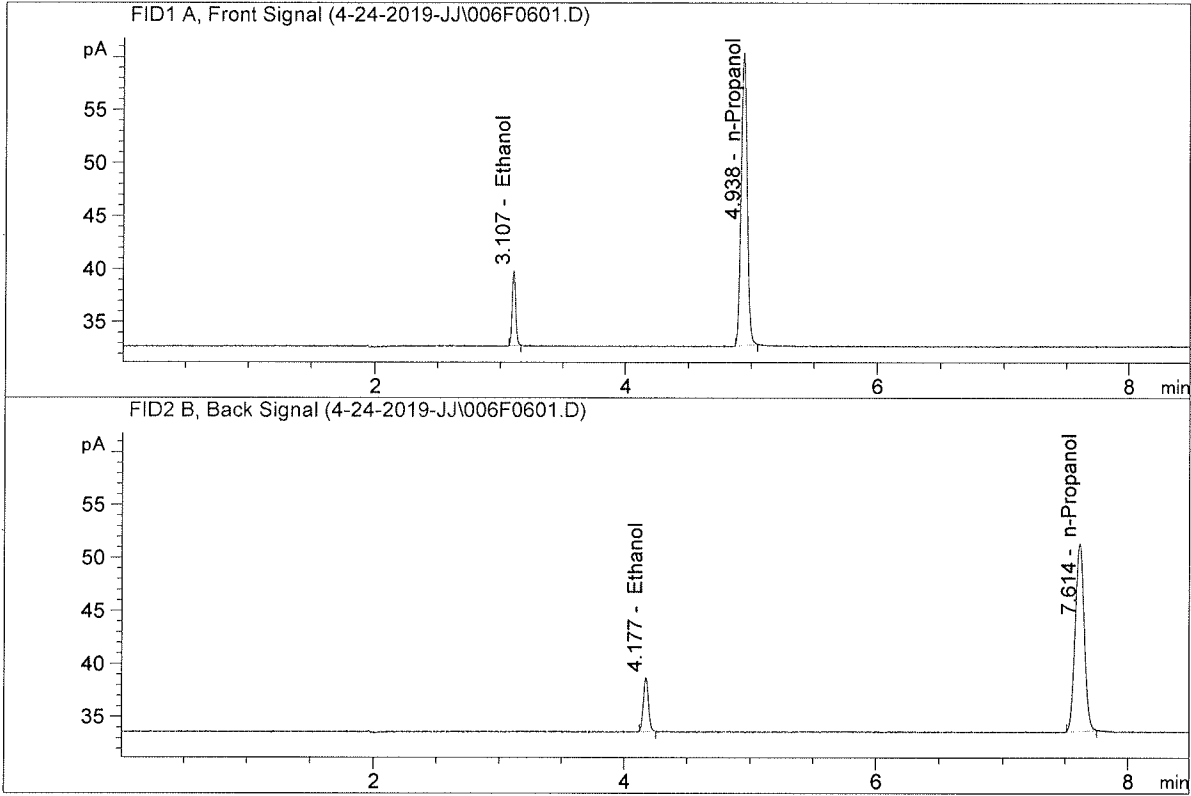
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.02917	0.0815	g/100cc
2.	Ethanol	Column 2:	14.05216	0.0809	g/100cc
3.	n-Propanol	Column 1:	90.52123	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.25688	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name    :    0.08 FN04171701-B
Laboratory     :    Coeur d' Alene
Injection Date :    Apr 24, 2019
Method         :    ALCOHOL.M
Acq. Instrument:    CN10742044-IT00725005
```
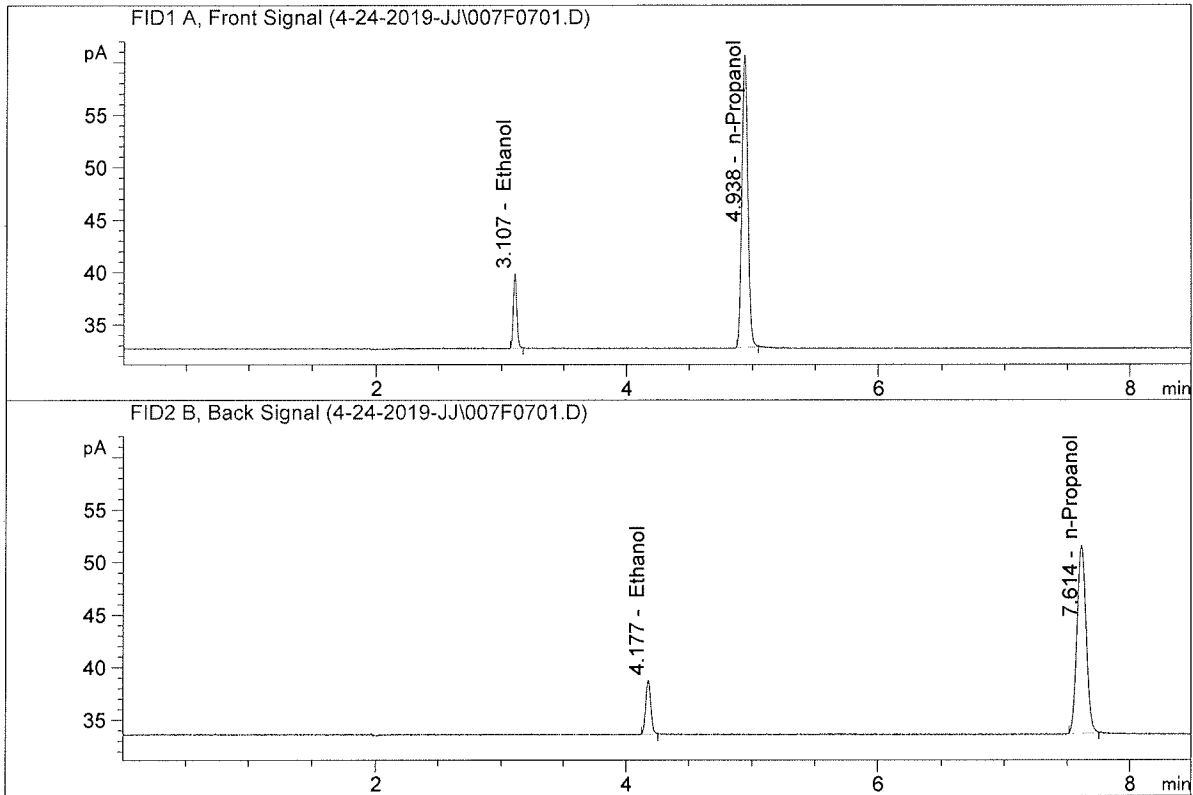

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.02180	0.0808	g/100cc
2.	Ethanol	Column 2:	14.06603	0.0803	g/100cc
3.	n-Propanol	Column 1:	91.18755	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.07995	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1   **Analysis Date(s): 24 Apr 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0821	0.0817	0.0004	0.0819		
(g/100cc)	0.0810	0.0802	0.0008	0.0806	0.0812	

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
0.081	**0.076**	**0.086**	**0.005**

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019
Volatiles Determination Casefile Worksheet   Page: 1 of 1   Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-1-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-2019-JJ\026F2601.D)

FID2 B, Back Signal (4-24-2019-JJ\026F2601.D)
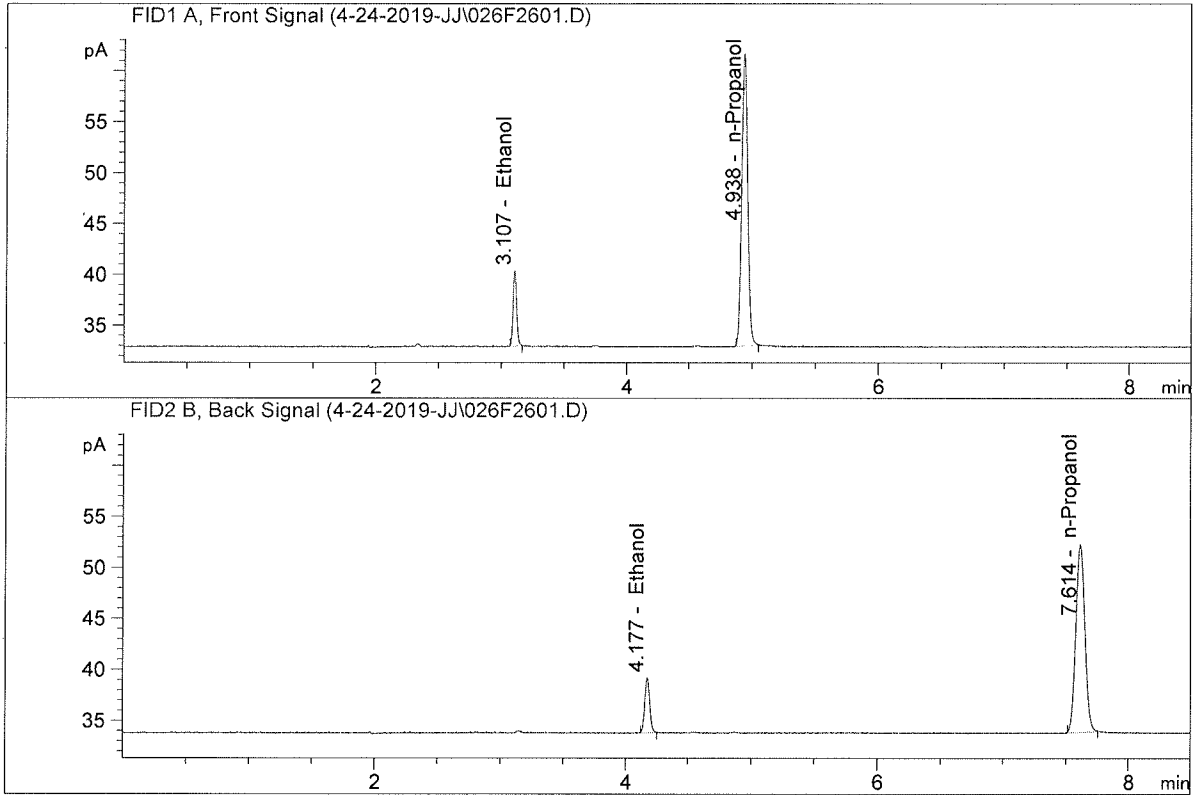
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.70100	0.0821	g/100cc
2.	Ethanol	Column 2:	14.74175	0.0817	g/100cc
3.	n-Propanol	Column 1:	94.11852	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.77964	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name       :    QC-1-B
Laboratory        :    Coeur d' Alene
Injection Date    :    Apr 24, 2019
Method            :    ALCOHOL.M
Acq. Instrument:       CN10742044-IT00725005
```
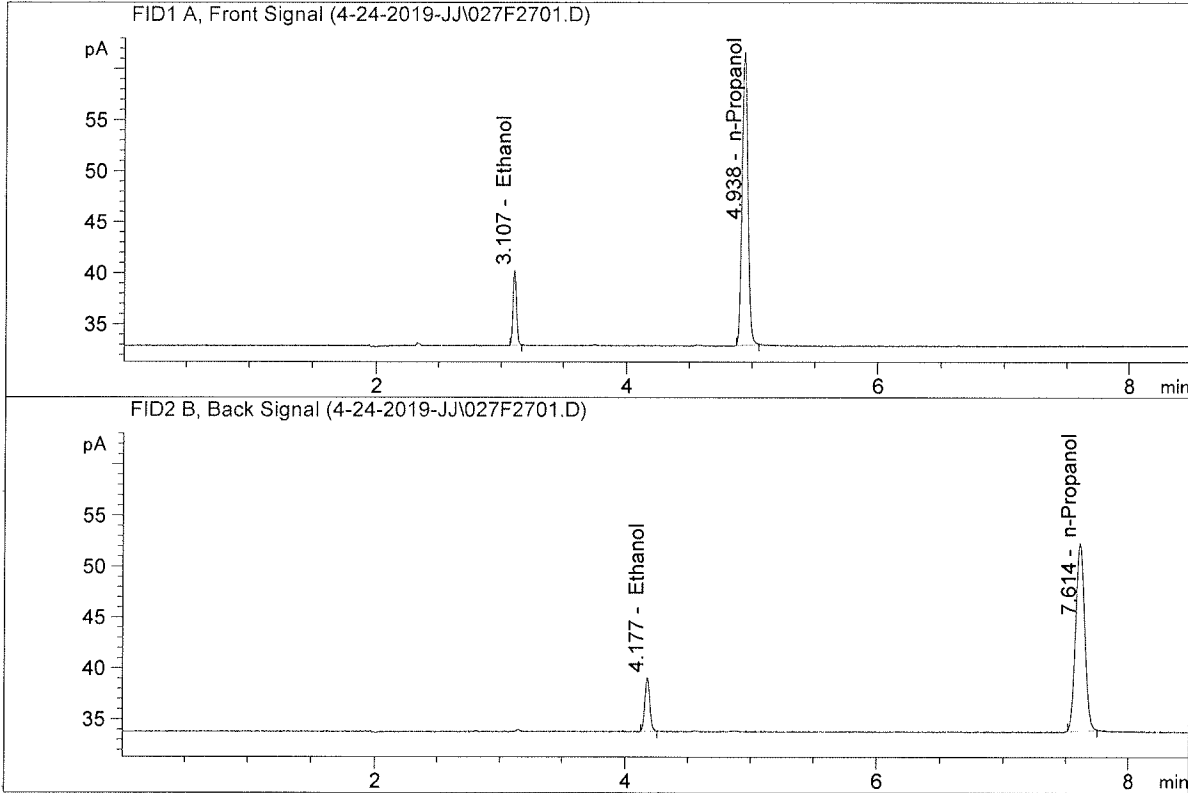

FID1 A, Front Signal (4-24-2019-JJ\027F2701.D)

FID2 B, Back Signal (4-24-2019-JJ\027F2701.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.49628	0.0810	g/100cc
2.	Ethanol	Column 2:	14.46919	0.0802	g/100cc
3.	n-Propanol	Column 1:	94.05421	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.71378	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2　　　　　　　　**Analysis Date(s): 24 Apr 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2009	0.2000	0.0009	0.2004	0.2018	
(g/100cc)	0.2035	0.2030	0.0005	0.2032		

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
0.201	0.190	0.212	0.011

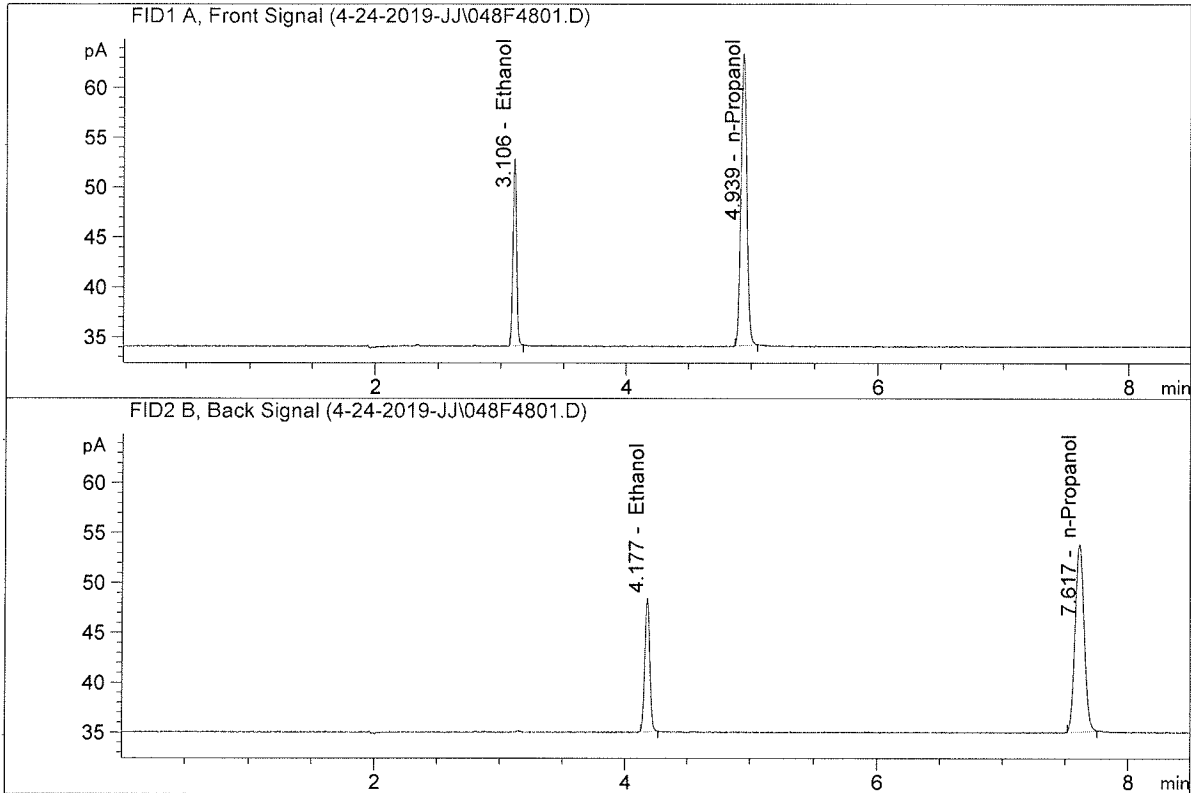|	**Reported Result**	
	0.201	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC-2-A
Laboratory       :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-2019-JJ\048F4801.D)

FID2 B, Back Signal (4-24-2019-JJ\048F4801.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.63154	0.2009	g/100cc
2.	Ethanol	Column 2:	36.69492	0.2000	g/100cc
3.	n-Propanol	Column 1:	95.85467	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.32669	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2-B
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
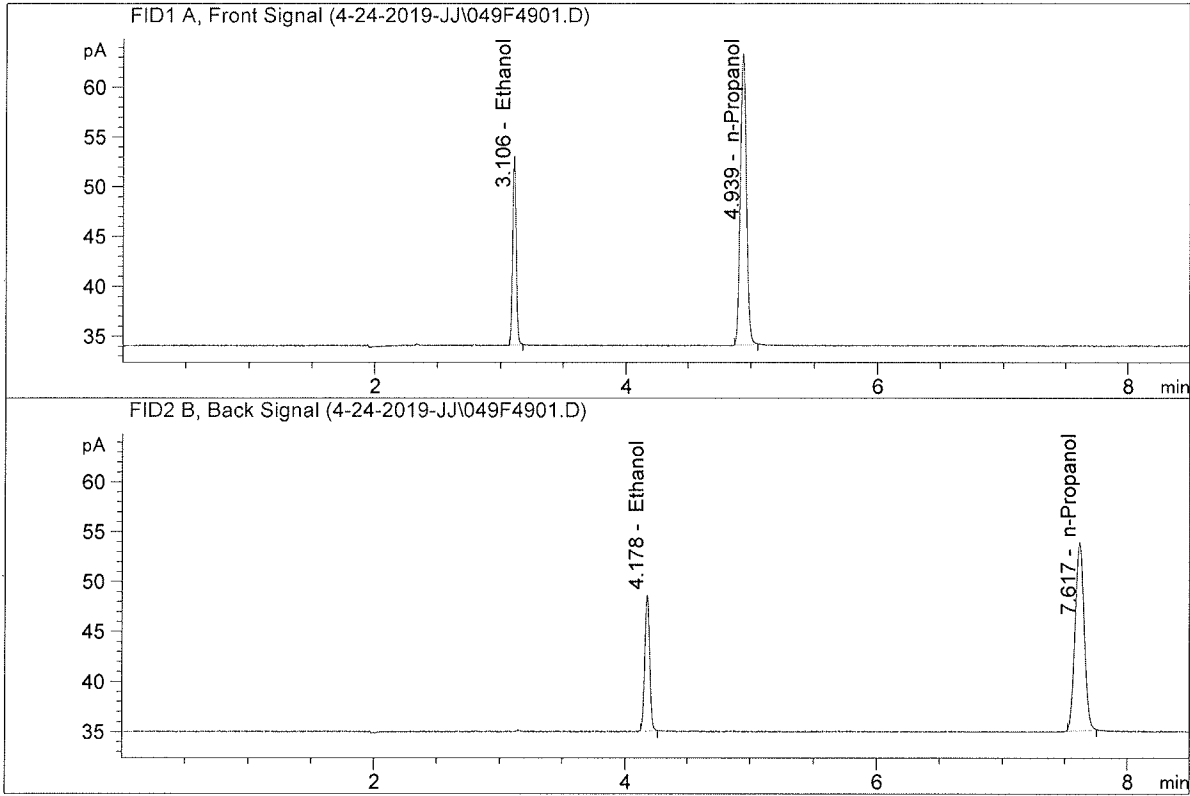

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.13419	0.2035	g/100cc
2.	Ethanol	Column 2:	37.24458	0.2030	g/100cc
3.	n-Propanol	Column 1:	95.90169	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.31265	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1   **Analysis Date(s): 24 Apr 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0824	0.0819	0.0005	0.0821	0.0824	
(g/100cc)	0.0833	0.0822	0.0011	0.0827		

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

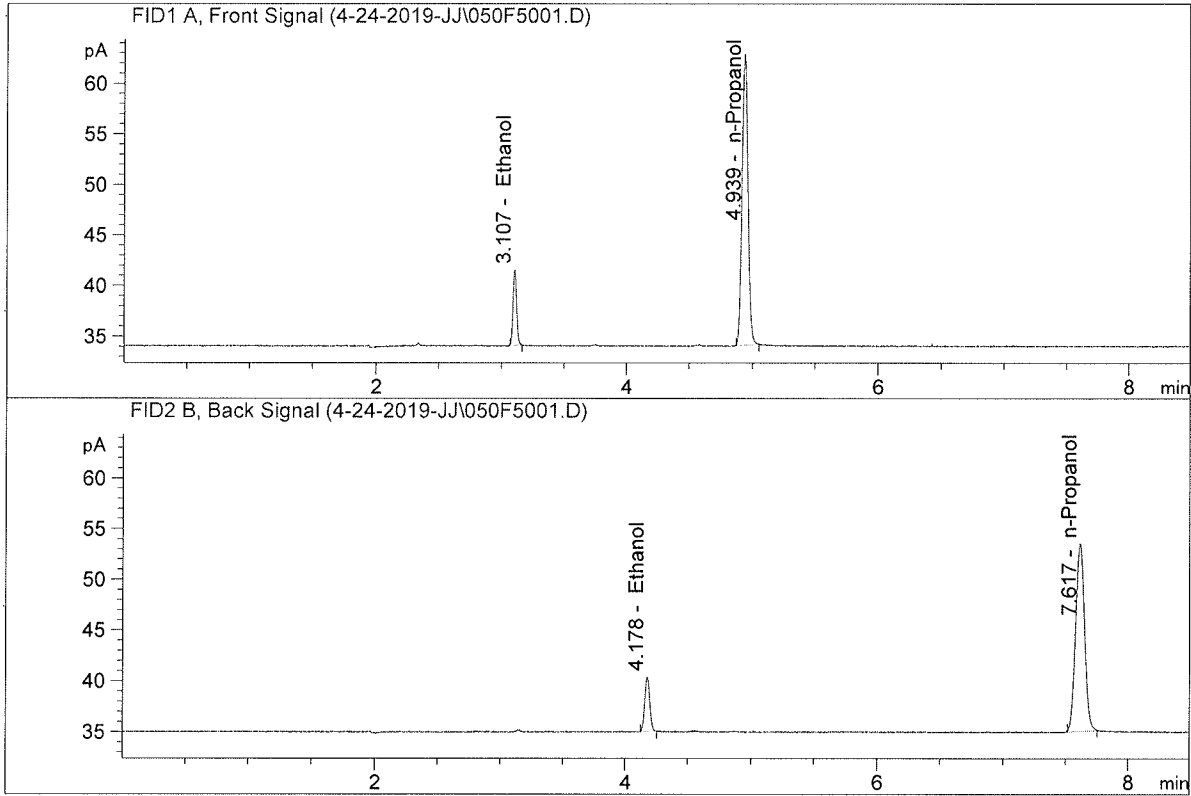## Reporting of Results   **Uncertainty of Measurement (UM%): 5.00%**

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

	Reported Result	
	0.082	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-1-A
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.80399	0.0824	g/100cc
2.	Ethanol	Column 2:	14.82387	0.0819	g/100cc
3.	n-Propanol	Column 1:	94.40621	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.06462	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC-1-B
Laboratory   :   Coeur d' Alene
Injection Date   :   Apr 24, 2019
Method   :   ALCOHOL.M
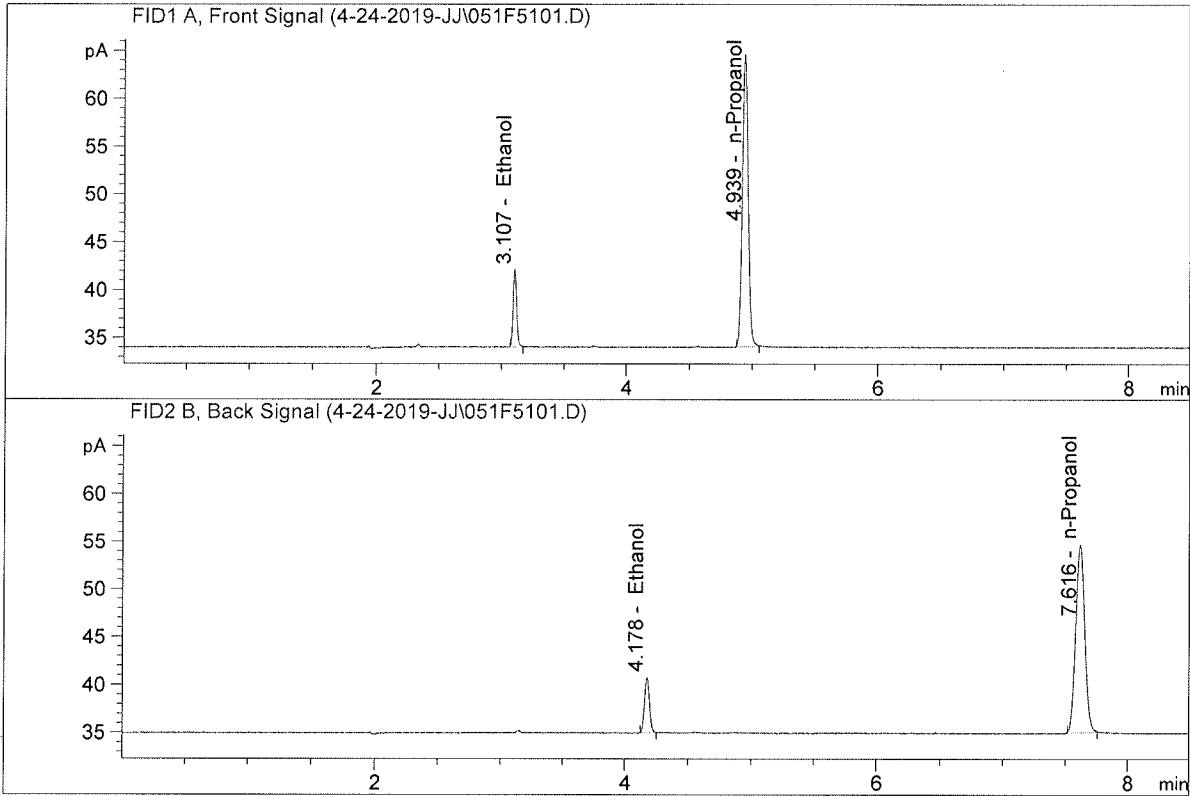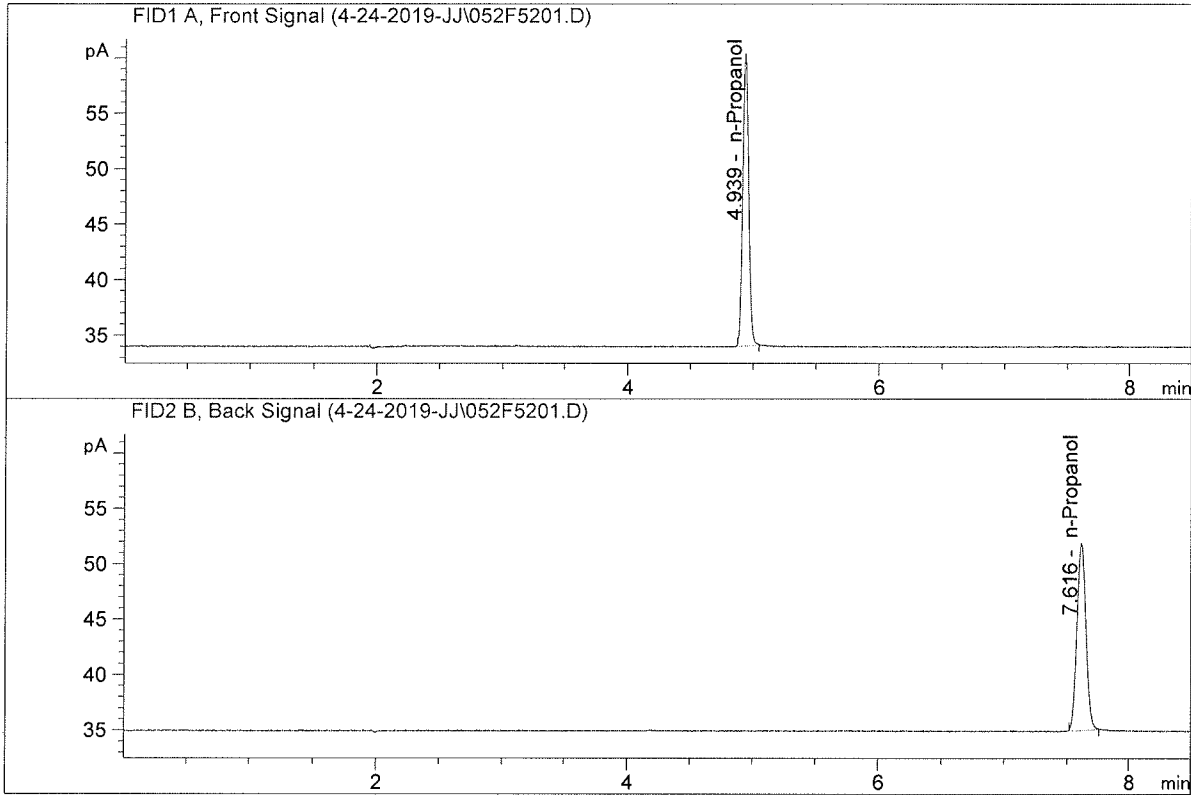Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.86233	0.0833	g/100cc
2.	Ethanol	Column 2:	15.76262	0.0822	g/100cc
3.	n-Propanol	Column 1:	100.04882	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.58161	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    ISTD BLANK
Laboratory       :    Coeur d' Alene
Injection Date   :    Apr 24, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (4-24-2019-JJ\052F5201.D)

FID2 B, Back Signal (4-24-2019-JJ\052F5201.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:	86.21145	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.95187	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   water
Laboratory   :   Coeur d' Alene
Injection Date :   Apr 24, 2019
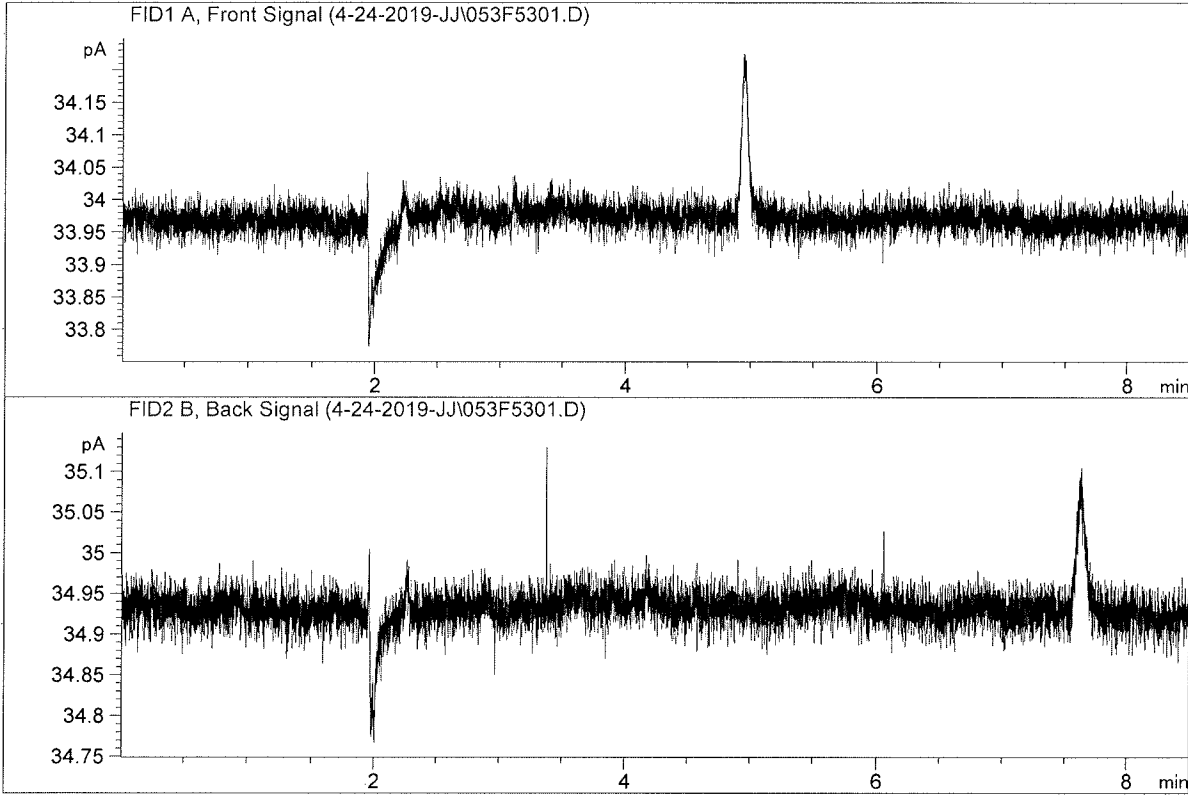Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (4-24-2019-JJ\053F5301.D)

FID2 B, Back Signal (4-24-2019-JJ\053F5301.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