APPROVED
By John Garner at 4:35 pm, Jun 10, 2019

Worklist: 3451

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
C2019-0903	1	151769	Alcohol Analysis	
C2019-0904	1	151770	Alcohol Analysis	
C2019-0905	1	151771	Alcohol Analysis	
C2019-0912	1	151793	Alcohol Analysis	
C2019-0944	1	152157	Alcohol Analysis	
C2019-0978	1	152520	Alcohol Analysis	
C2019-0979	1	152521	Alcohol Analysis	
C2019-0980	1	152587	Alcohol Analysis	
C2019-0982	1	152589	Alcohol Analysis	
C2019-0993	1	152715	Alcohol Analysis	
C2019-1010	1	152920	Alcohol Analysis	
C2019-1017	1	152952	Alcohol Analysis	
C2019-1054	1	153365	Alcohol Analysis	
C2019-1084	1	153603	Alcohol Analysis	
C2019-1085	1	153606	Alcohol Analysis	
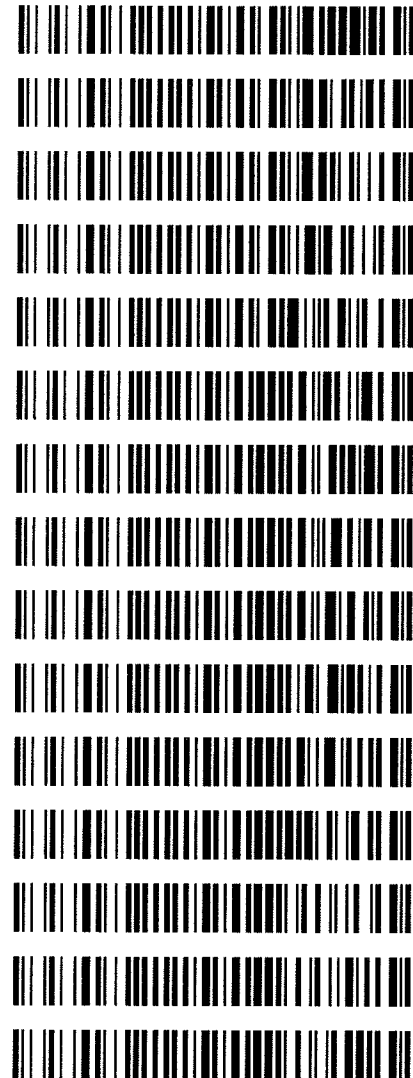
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

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

Analytical Method(s): 1.0

Volatiles Quality Assurance Controls

Run Date(s): 6/9/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0788 g/100cc 0.0802 g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1990 g/100cc
Multi-Component mixture:	Sep-20			Column 1	Lot #	Column2
Curve Fit:				1.00000	FN06041502	Column2 0.99999

Multi-Component mixture:		Column 1	Lot #	Column2
Curve Fit:	Sep-20	1.00000	FN06041502	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	0.0499	0.0499	0	0.0499
100	0.100	0.090 - 0.110	0.0999	0.0989	0.001	0.0994
200	0.200	0.180 - 0.220	0.1993	0.1984	0.0009	0.1988
300	0.300	0.270 - 0.330	0.3004	0.2998	0.0006	0.3001
500	0.500	0.450 - 0.550	0.5001	0.5010	0.0009	0.5005

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_09.06.2019_08.02.12\6-9-2019.S
```

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

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Sequence table:       C:\Chem32\1\TEMP\AESEQ\QS_09.06.2019_08.02.12\6-9-2019.S
Data directory path:  C:\Chem32\1\Data\6-9-2019-JJ
Logbook:              C:\Chem32\1\Data\6-9-2019-JJ\6-9-2019.LOG
Sequence start:       6/9/2019 8:15:58 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-1-A	-	1.0000	004F0401.D		4
5	5	1	QC-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	C2019-0903-1-A	-	1.0000	008F0801.D		6
9	9	1	C2019-0903-1-B	-	1.0000	009F0901.D		6
10	10	1	C2019-0904-1-A	-	1.0000	010F1001.D		6
11	11	1	C2019-0904-1-B	-	1.0000	011F1101.D		6
12	12	1	C2019-0905-1-A	-	1.0000	012F1201.D		6
13	13	1	C2019-0905-1-B	-	1.0000	013F1301.D		6
14	14	1	C2019-0912-1-A	-	1.0000	014F1401.D		4
15	15	1	C2019-0912-1-B	-	1.0000	015F1501.D		4
16	16	1	C2019-0944-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-0944-1-B	-	1.0000	017F1701.D		4
18	18	1	C2019-0978-1-A	-	1.0000	018F1801.D		8
19	19	1	C2019-0978-1-B	-	1.0000	019F1901.D		8
20	20	1	C2019-0979-1-A	-	1.0000	020F2001.D		4
21	21	1	C2019-0979-1-B	-	1.0000	021F2101.D		4
22	22	1	C2019-0980-1-A	-	1.0000	022F2201.D		6
23	23	1	C2019-0980-1-B	-	1.0000	023F2301.D		6
24	24	1	C2019-0982-1-A	-	1.0000	024F2401.D		4
25	25	1	C2019-0982-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2019-0993-1-A	-	1.0000	028F2801.D		4
29	29	1	C2019-0993-1-B	-	1.0000	029F2901.D		4
30	30	1	C2019-1010-1-A	-	1.0000	030F3001.D		4
31	31	1	C2019-1010-1-B	-	1.0000	031F3101.D		4
32	32	1	C2019-1017-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-1017-1-B	-	1.0000	033F3301.D		4
34	34	1	C2019-1054-1-A	-	1.0000	034F3401.D		4
35	35	1	C2019-1054-1-B	-	1.0000	035F3501.D		4
36	36	1	C2019-1084-1-A	-	1.0000	036F3601.D		2
37	37	1	C2019-1084-1-B	-	1.0000	037F3701.D		2
38	38	1	C2019-1085-1-A	-	1.0000	038F3801.D		2
39	39	1	C2019-1085-1-B	-	1.0000	039F3901.D		2
40	40	1	QC-2-A QC-1	-	1.0000	040F4001.D		4
41	41	1	QC-2-B QC-1	-	1.0000	041F4101.D		4
42	42	1	ISTD BLANK	-	1.0000	042F4201.D		2
43	43	1	water	-	1.0000	043F4301.D		0
44	44	1	0.05	-	1.0000	044F4401.D		4
45	45	1	0.100	-	1.0000	045F4501.D		4
46	46	1	0.200	-	1.0000	046F4601.D		4

99

CN10742044-IT00725005 6/10/2019 7:44:52 AM SYSTEM   Page   1 of 2

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	0.300	-	1.0000	047F4701.D		4
48	48	1	.0500	-	1.0000	048F4801.D		4

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

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



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


Calib. Data Modified  :      Sunday, June 09, 2019 7:49:58 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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99

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
3.107	1	1	5.00000e-2	8.77619	5.69724e-3	No	No	1	Ethanol
		2	1.00000e-1	17.74381	5.63577e-3				
		3	2.00000e-1	35.55938	5.62439e-3				
		4	3.00000e-1	53.53571	5.60374e-3				
		5	5.00000e-1	89.29799	5.59923e-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	8.84320	5.65406e-3	No	No	2	Ethanol
		2	1.00000e-1	17.76432	5.62926e-3				
		3	2.00000e-1	35.59586	5.61863e-3				
		4	3.00000e-1	53.61593	5.59535e-3				
		5	5.00000e-1	89.36402	5.59509e-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	89.48758	1.11747e-2	No	Yes	1	n-Propanol
		2	1.00000	90.27682	1.10770e-2				
		3	1.00000	90.71432	1.10236e-2				
		4	1.00000	90.60426	1.10370e-2				
		5	1.00000	90.77634	1.10161e-2				
7.620	2	1	1.00000	89.20023	1.12107e-2	No	Yes	2	n-Propanol
		2	1.00000	90.27976	1.10767e-2				
		3	1.00000	90.23859	1.10817e-2				
		4	1.00000	89.93332	1.11193e-2				
		5	1.00000	89.69579	1.11488e-2				

Peak Sum Table

No Entries in table

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Calibration Curves

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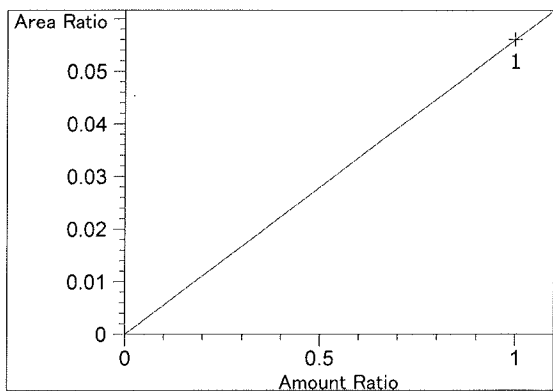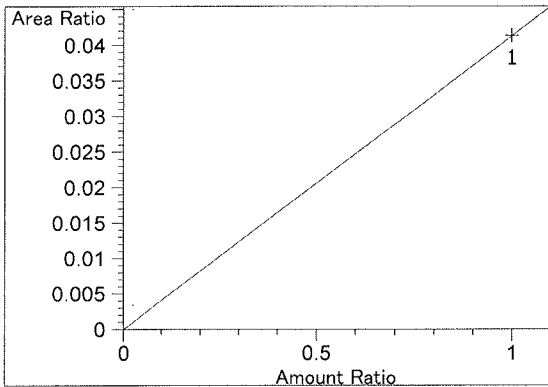

Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 5.60537e-2
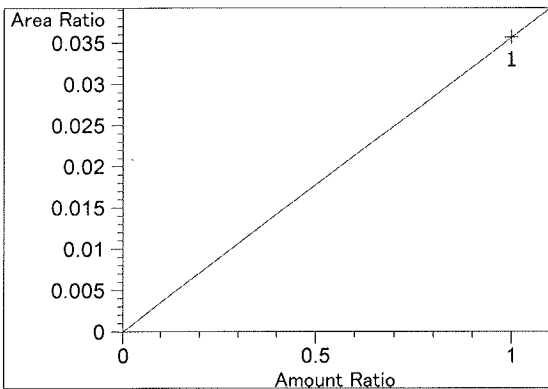   x: Amount Ratio
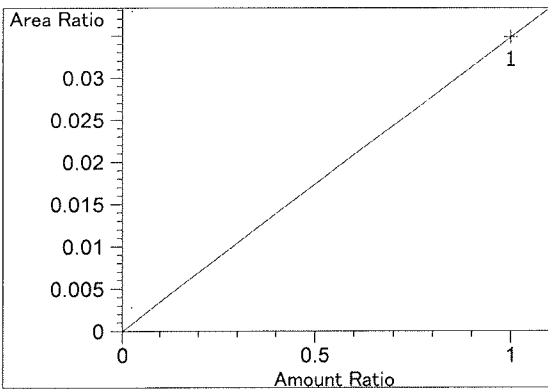   y: Area Ratio
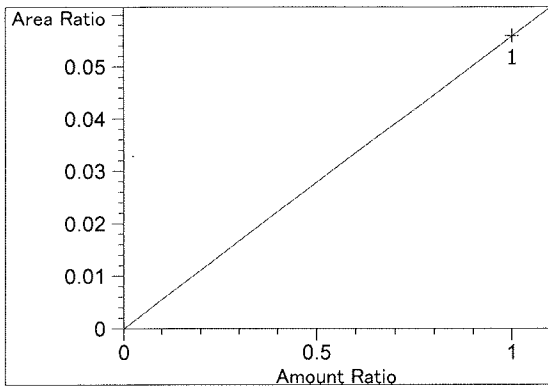
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 5.58737e-2
        x: Amount Ratio
        y: Area Ratio

Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 4.13096e-2
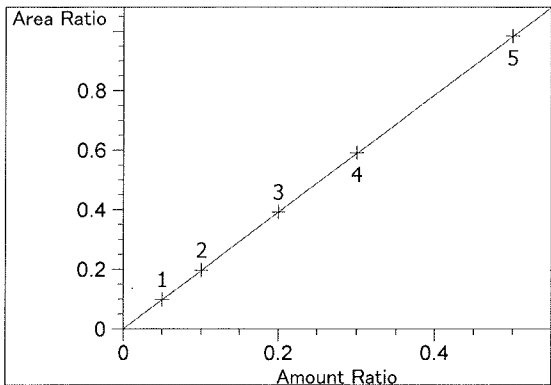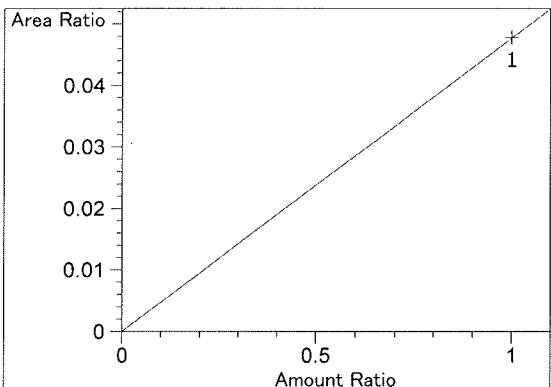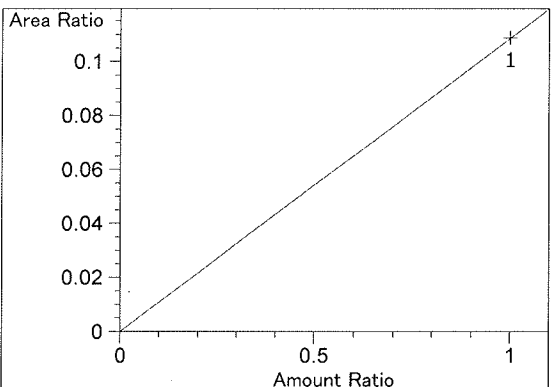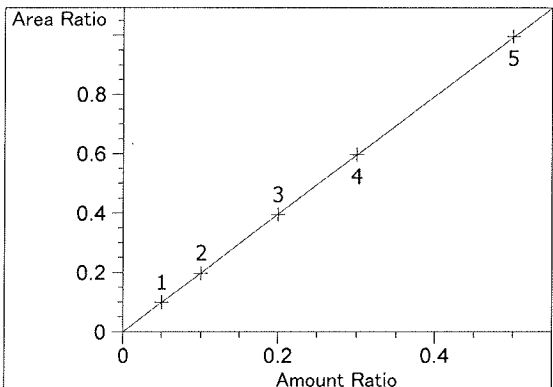   x: Amount Ratio
        y: Area Ratio

Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 3.56822e-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: 3.48177e-2
        x: Amount Ratio
        y: Area Ratio

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

Ethanol at exp. RT: 3.107
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00083
Formula: y = mx
        m: 1.96707
        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: 4.77647e-2
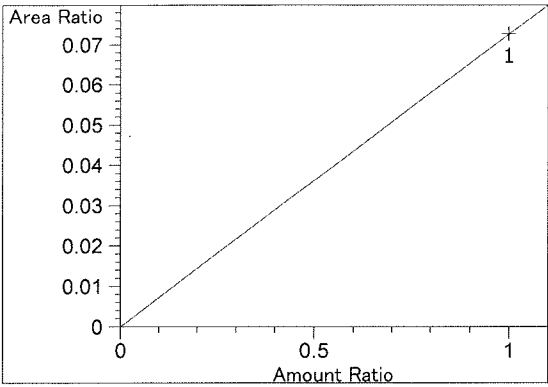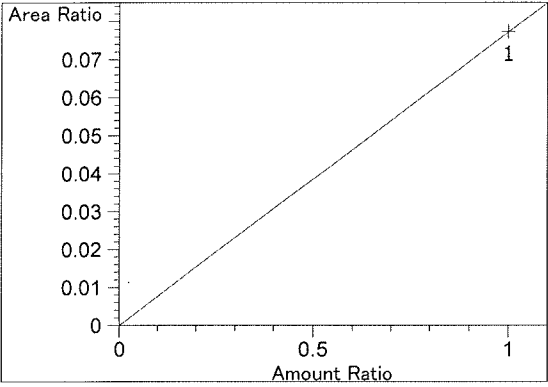   x: Amount Ratio
        y: Area Ratio

Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.08736e-1
        x: Amount Ratio
        y: Area Ratio

Ethanol at exp. RT: 4.179
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.:   0.00219
Formula: y = mx
        m: 1.98861
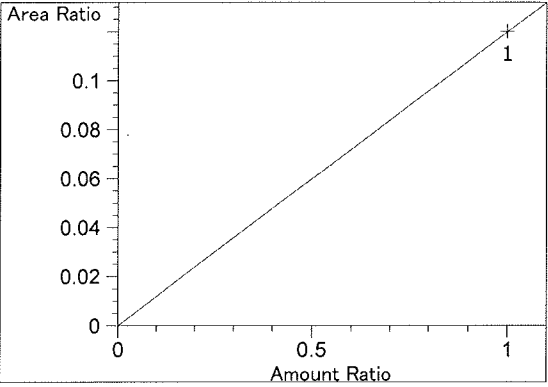   x: Amount Ratio
        y: Area Ratio

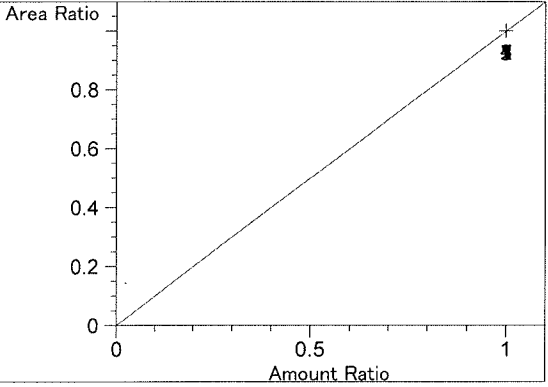Method C:\CHEM32\1\METHODS\ALCOHOL.M

Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 7.26291e-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
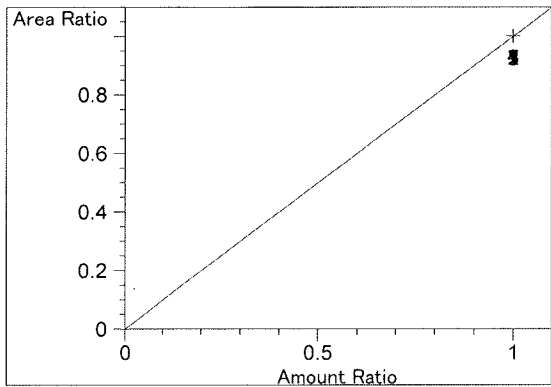   m: 7.72757e-2
        x: Amount Ratio
        y: Area Ratio

Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.20027e-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

CN10742044-IT00725005 6/9/2019 7:51:22 PM SYSTEM

n-Propanol at exp. RT: 7.620
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_09.06.2019_06.31.40\6-9-19cal.S

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

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Logbook: C:\Chem32\1\Data\6-9-19calJJ\6-9-19cal.LOG
Sequence start: 6/9/2019 6:45:22 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   :   0.05
Laboratory   :   Coeur d' Alene
Injection Date :   Jun 9, 2019
Method   :   ALCOHOL.M
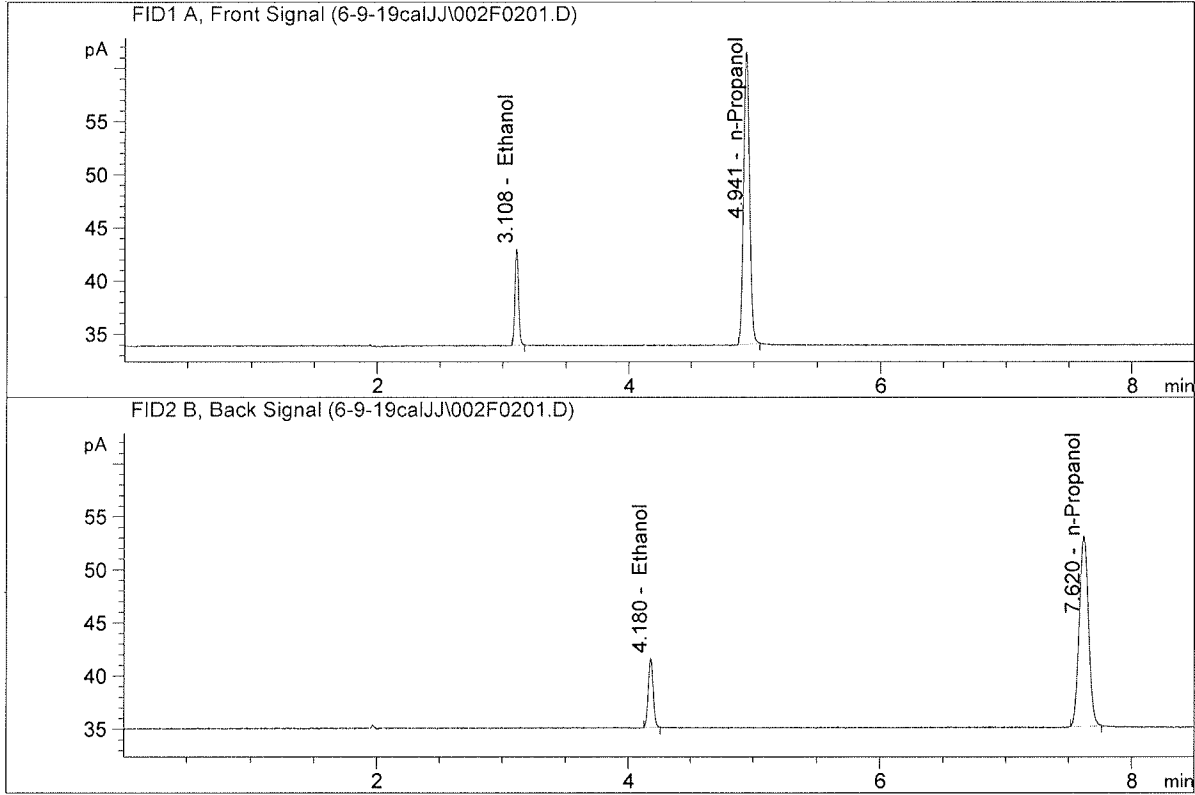Acq. Instrument: CN10742044-IT00725005
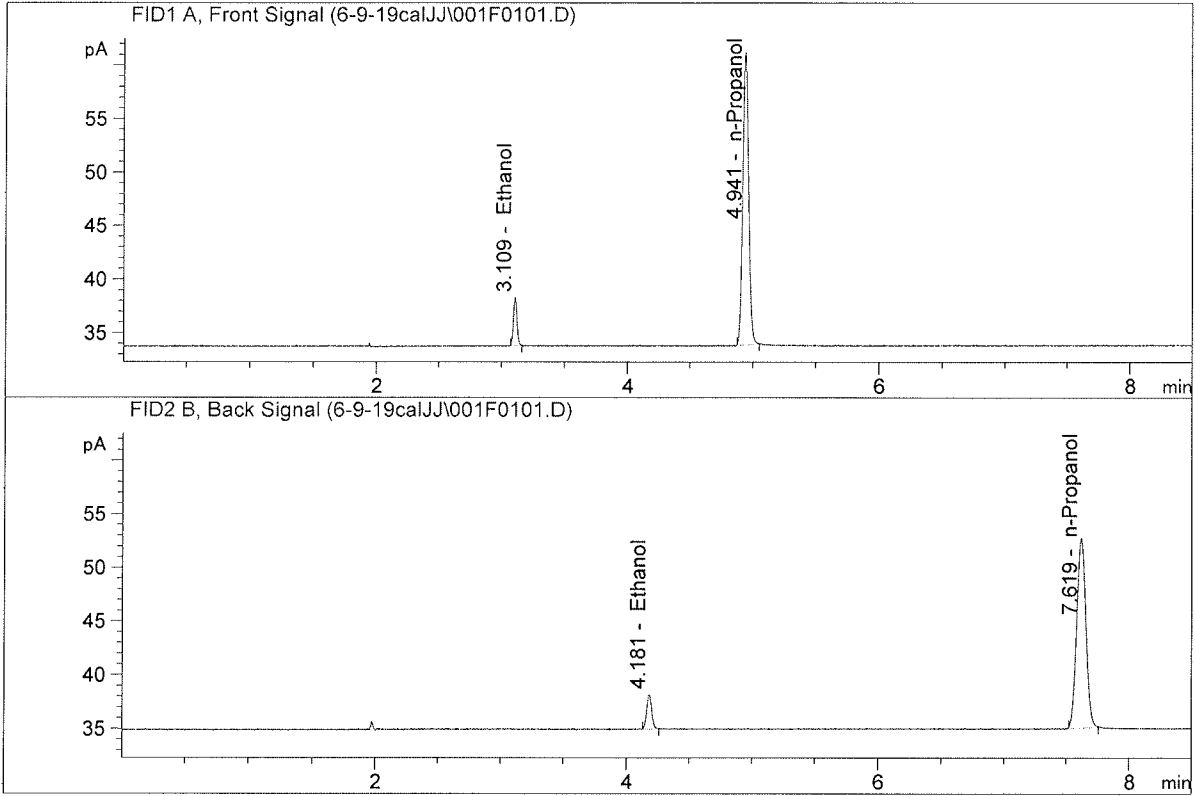
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.77619	0.0499	g/100cc
2.	Ethanol	Column 2:	8.84320	0.0499	g/100cc
3.	n-Propanol	Column 1:	89.48758	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.20023	1.0000	g/100cc

Sample Name   :   0.100
Laboratory   :   Coeur d' Alene
Injection Date   :   Jun 9, 2019
Method   :   ALCOHOL.M
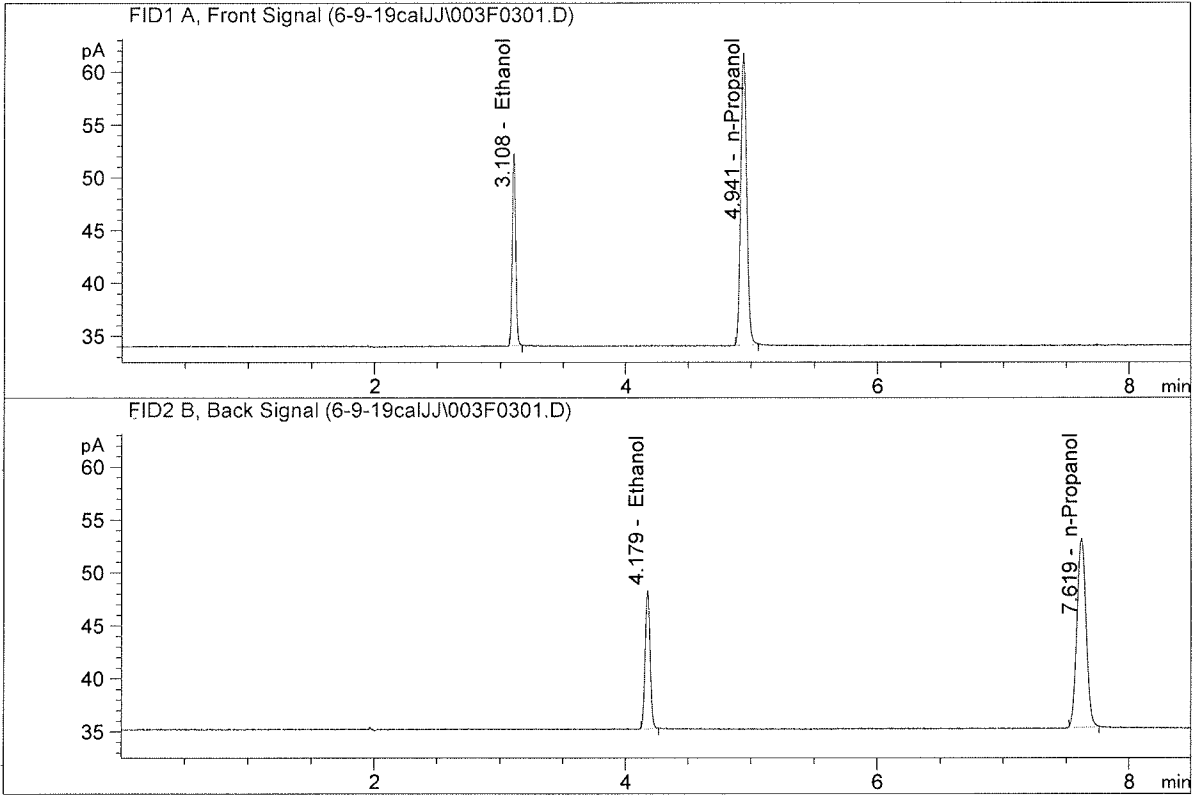Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.74381	0.0999	g/100cc
2.	Ethanol	Column 2:	17.76432	0.0989	g/100cc
3.	n-Propanol	Column 1:	90.27682	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.27976	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.200
Laboratory      :   Coeur d' Alene
Injection Date  :   Jun 9, 2019
Method          :   ALCOHOL.M
Acq. Instrument:    CN10742044-IT00725005
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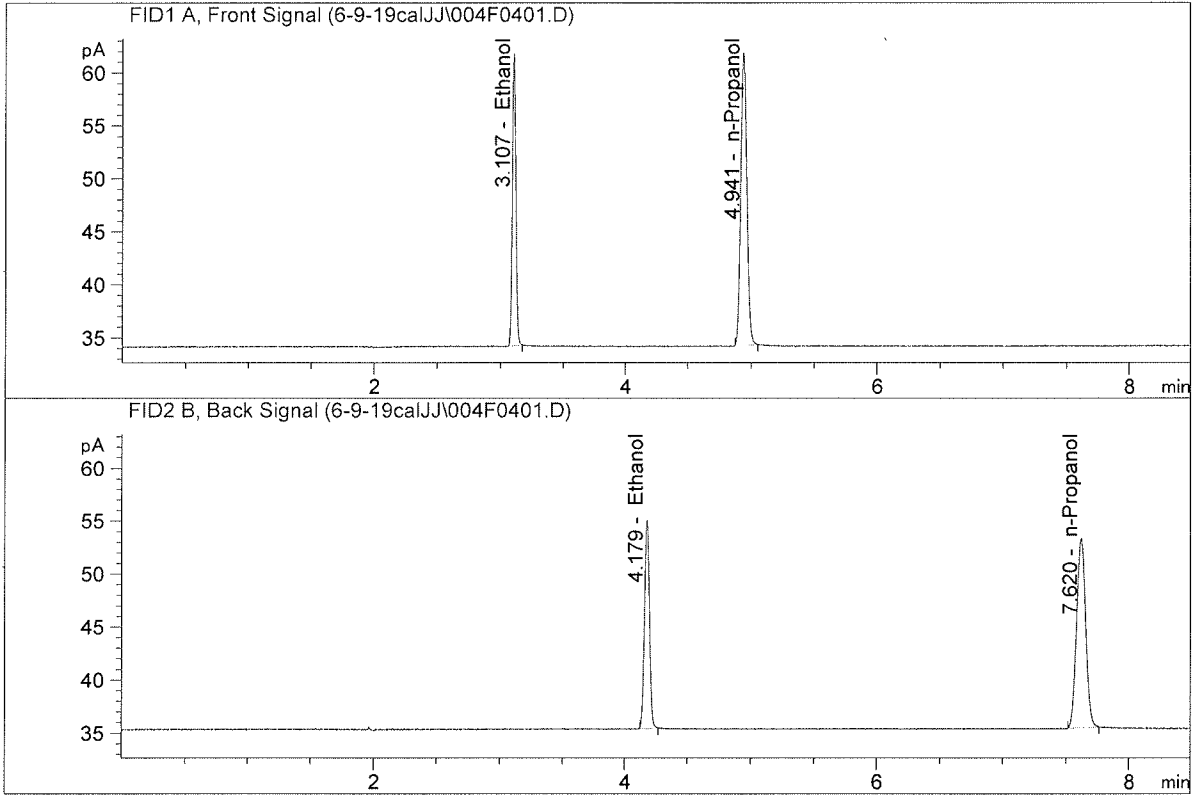

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.55938	0.1993	g/100cc
2.	Ethanol	Column 2:	35.59586	0.1984	g/100cc
3.	n-Propanol	Column 1:	90.71432	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.23859	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300
Laboratory   :   Coeur d' Alene
Injection Date   :   Jun 9, 2019
Method   :   ALCOHOL.M
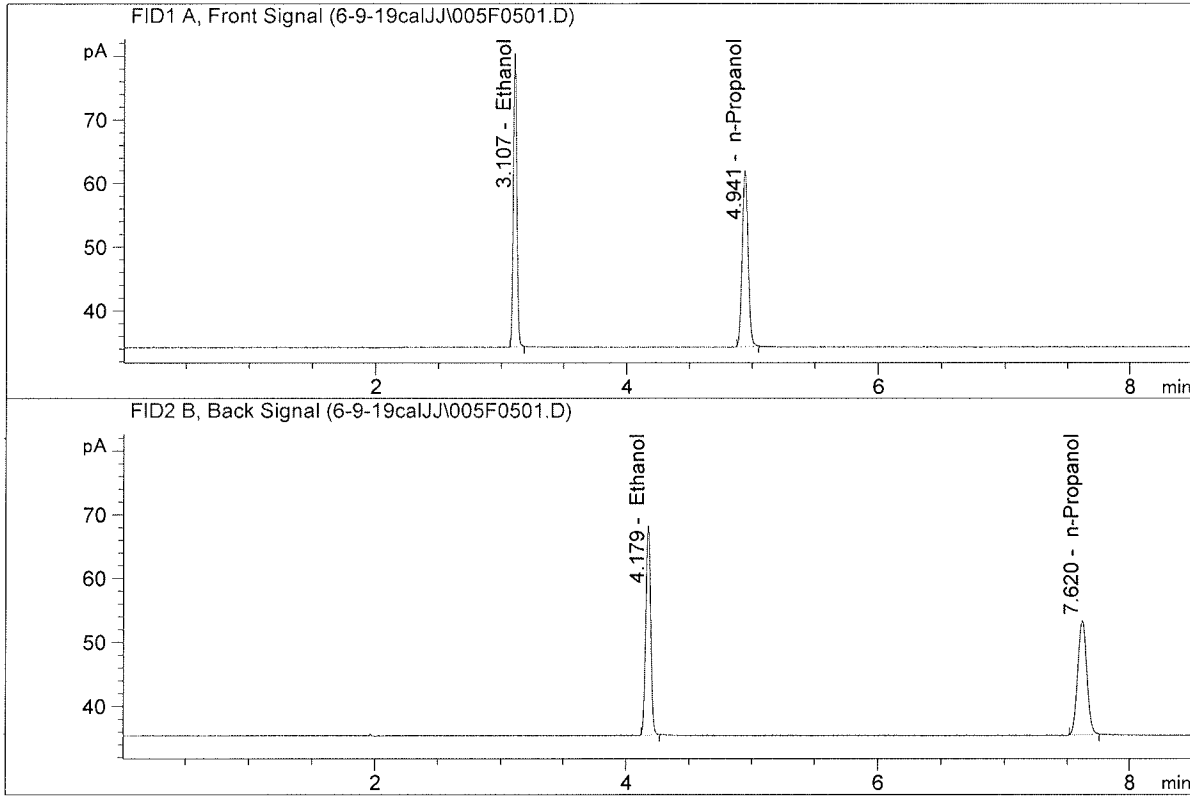Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.53571	0.3004	g/100cc
2.	Ethanol	Column 2:	53.61593	0.2998	g/100cc
3.	n-Propanol	Column 1:	90.60426	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.93332	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.500
Laboratory   :   Coeur d' Alene
Injection Date   :   Jun 9, 2019
Method   :   ALCOHOL.M
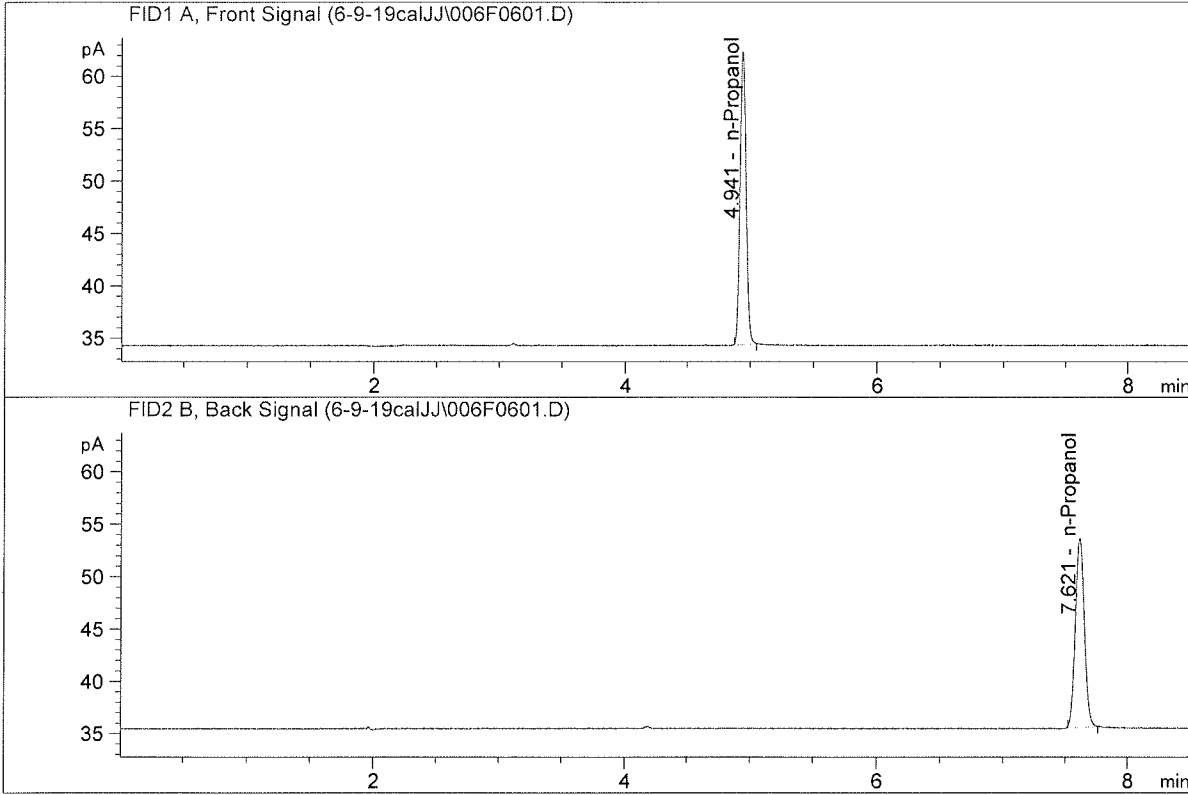Acq. Instrument: CN10742044-IT00725005

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	89.29799	0.5001	g/100cc
2.	Ethanol	Column 2:	89.36402	0.5010	g/100cc
3.	n-Propanol	Column 1:	90.77634	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.69579	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :    blank
Laboratory      :    Coeur d' Alene
Injection Date  :    Jun 9, 2019
Method          :    ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```
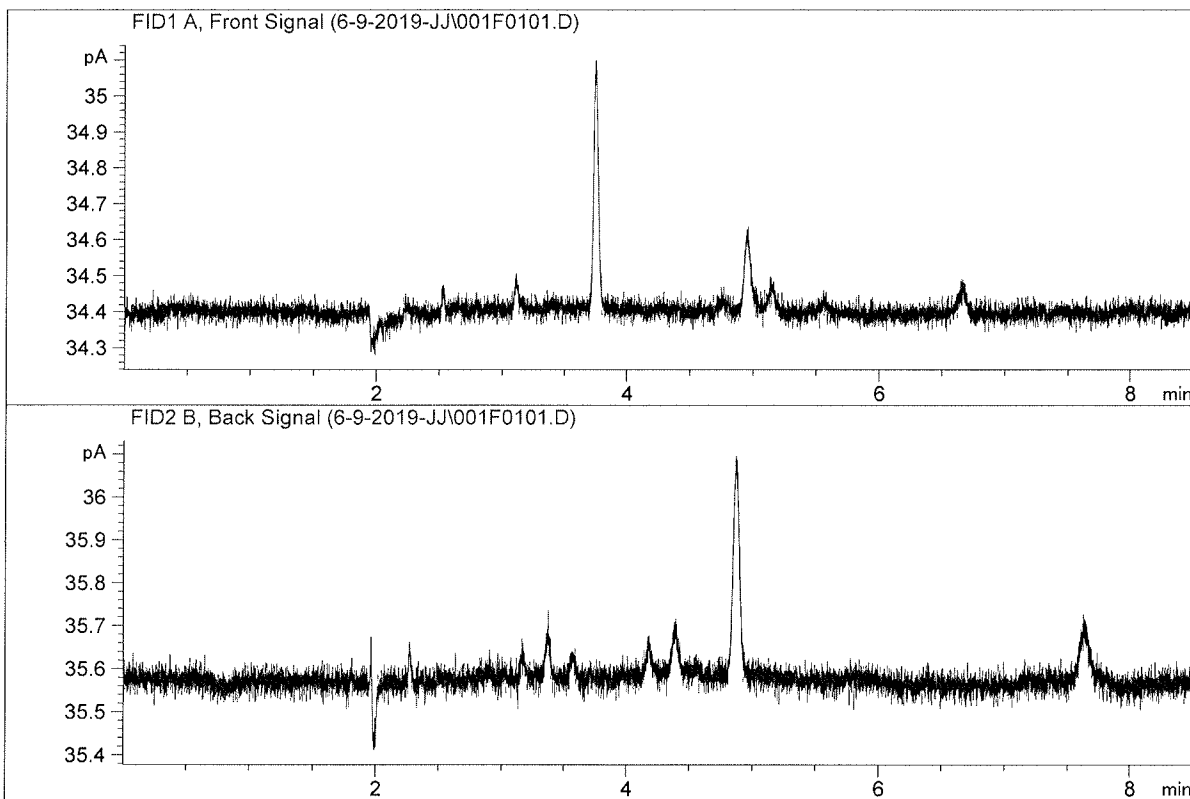

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	91.53770	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.05978	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    water
Laboratory       :    Coeur d' Alene
Injection Date   :    Jun 9, 2019
Method           :    ALCOHOL.M
Acq. Instrument:       CN10742044-IT00725005
```
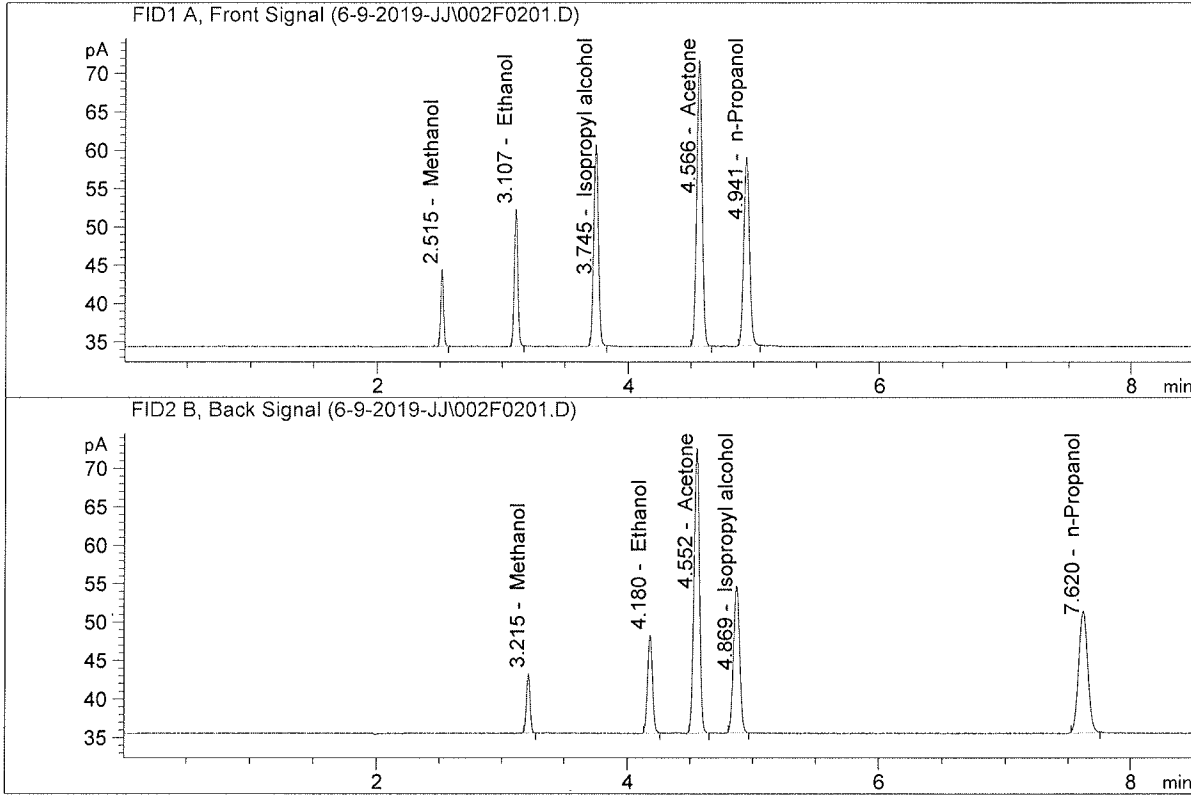

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :     VOL MIX FN-06041502
Laboratory      :     Coeur d' Alene
Injection Date  :     Jun 9, 2019
Method          :     ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
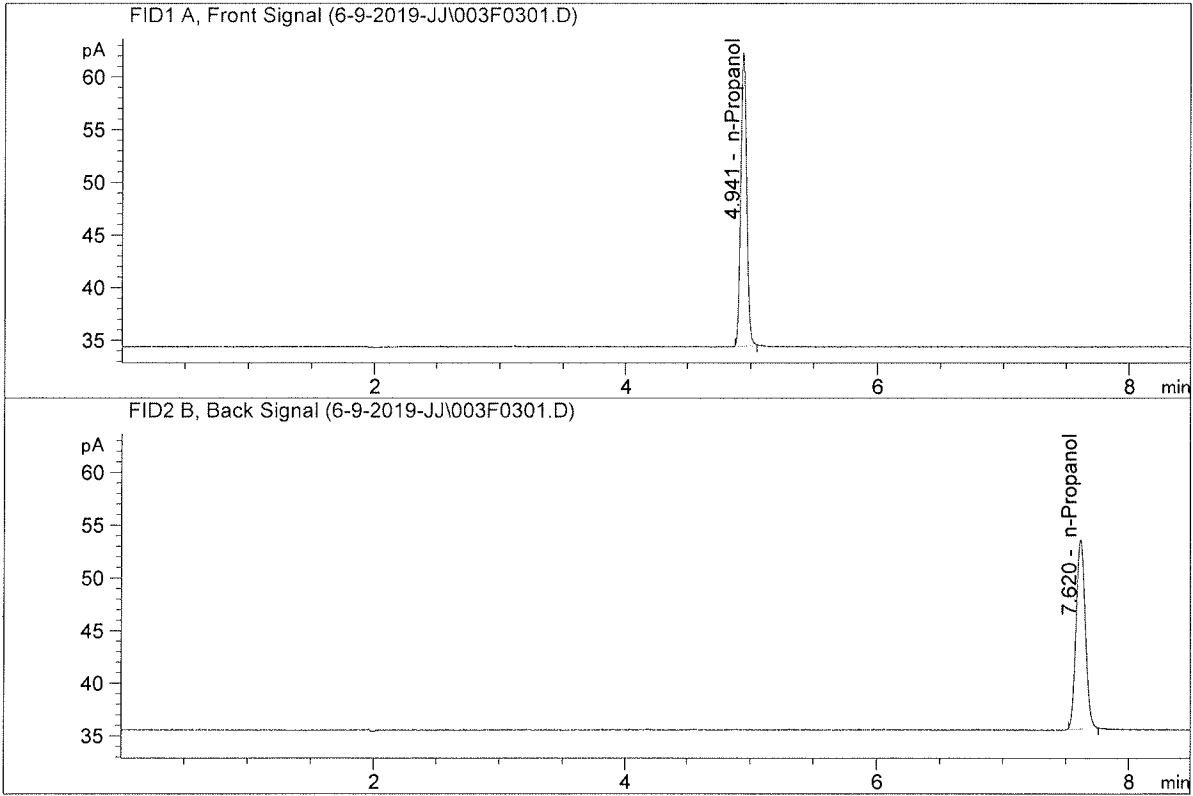

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.99635	0.2206	g/100cc
2.	Ethanol	Column 2:	34.95907	0.2206	g/100cc
3.	n-Propanol	Column 1:	80.63120	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.70235	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name    :    ISTD BLANK
Laboratory     :    Coeur d' Alene
Injection Date :    Jun 9, 2019
Method         :    ALCOHOL.M
Acq. Instrument:    CN10742044-IT00725005
```


FID1 A, Front Signal (6-9-2019-JJ\003F0301.D)

FID2 B, Back Signal (6-9-2019-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:	91.04556	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.57236	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1   **Analysis Date(s): 09 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0787	0.0785	0.0002	0.0786		
(g/100cc)	0.0794	0.0789	0.0005	0.0791	0.0788	

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%**

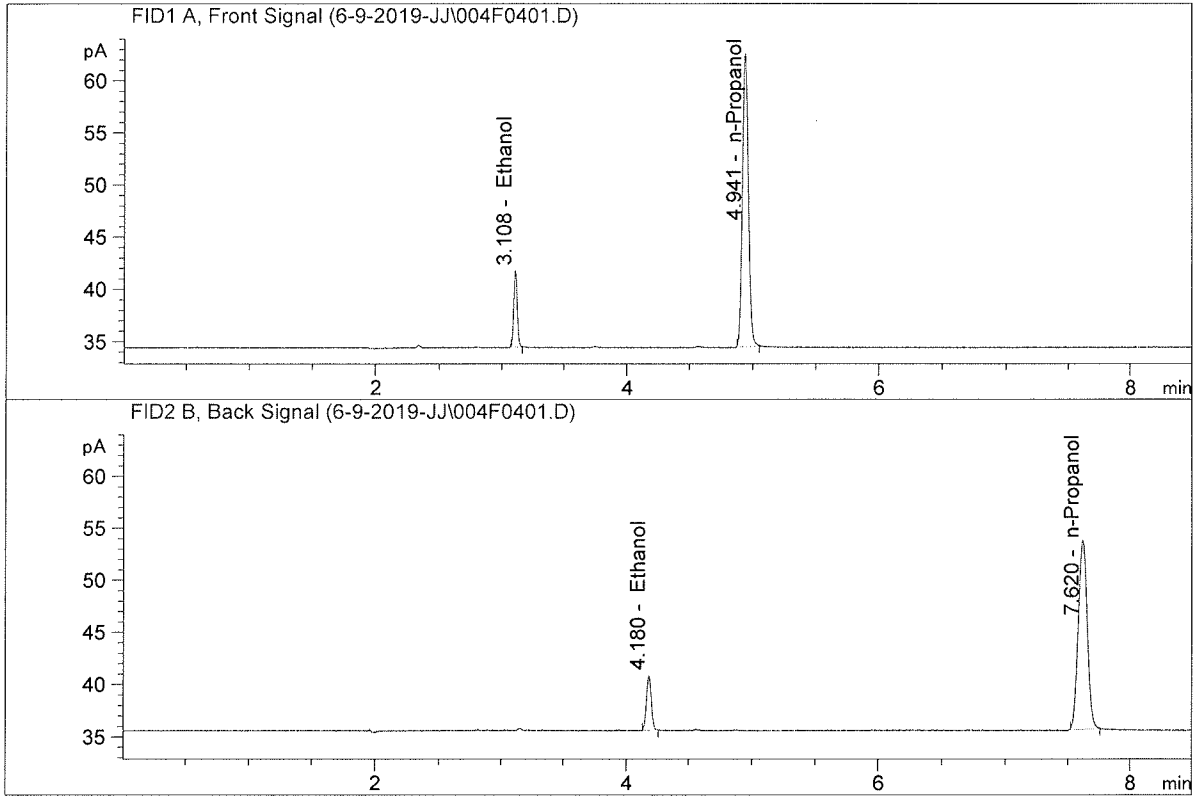| Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   QC-1-A
Laboratory      :   Coeur d' Alene
Injection Date  :   Jun 9, 2019
Method          :   ALCOHOL.M
Acq. Instrument:    CN10742044-IT00725005
```


FID1 A, Front Signal (6-9-2019-JJ\004F0401.D)

FID2 B, Back Signal (6-9-2019-JJ\004F0401.D)

```
#   Compound      Column          Area        Amount      Units
------------------------------------------------------------------------
1.  Ethanol       Column 1:       14.26041    0.0787      g/100cc
2.  Ethanol       Column 2:       14.27632    0.0785      g/100cc
3.  n-Propanol    Column 1:       92.09785    1.0000      g/100cc
4.  n-Propanol    Column 2:       91.45859    1.0000      g/100cc
```

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-1-B
Laboratory       :    Coeur d' Alene
Injection Date   :    Jun 9, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```
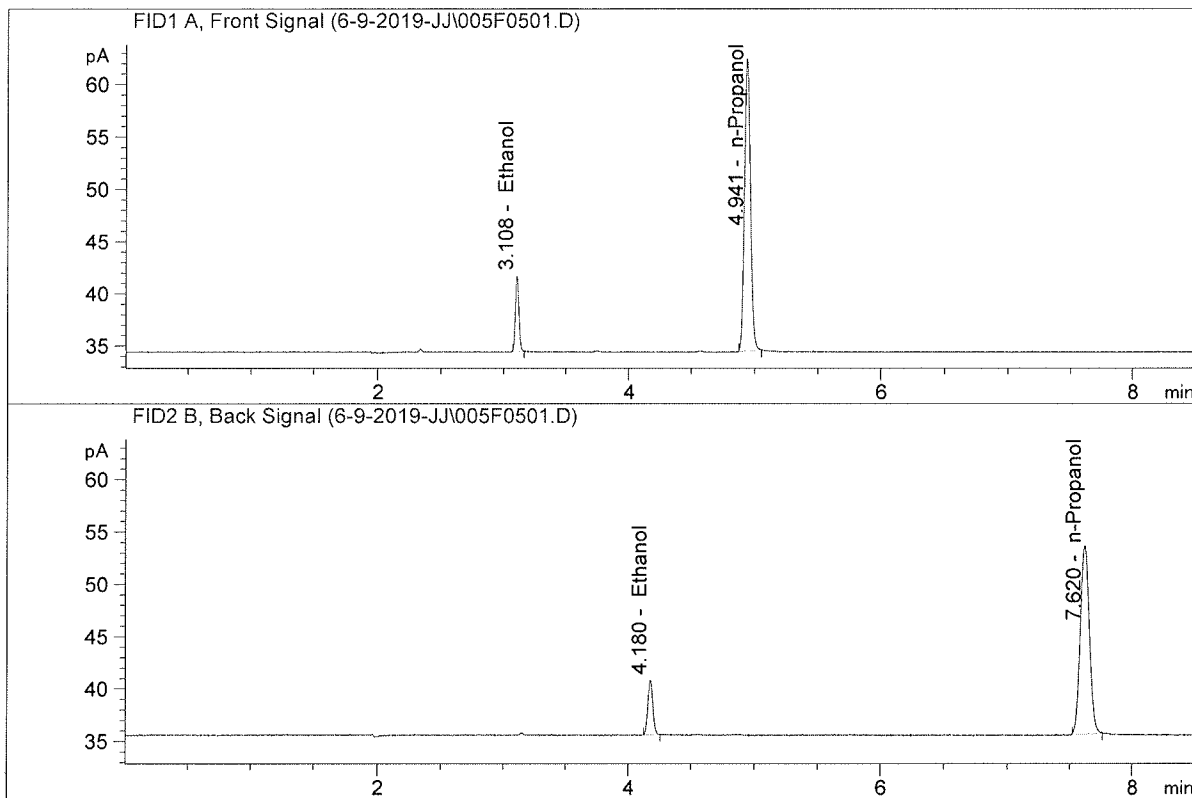

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.31132	0.0794	g/100cc
2.	Ethanol	Column 2:	14.29057	0.0789	g/100cc
3.	n-Propanol	Column 1:	91.58770	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.02373	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701   **Analysis Date(s): 09 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0797	0.0795	0.0002	0.0796	0.0800	
(g/100cc)	0.0809	0.0801	0.0008	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%**
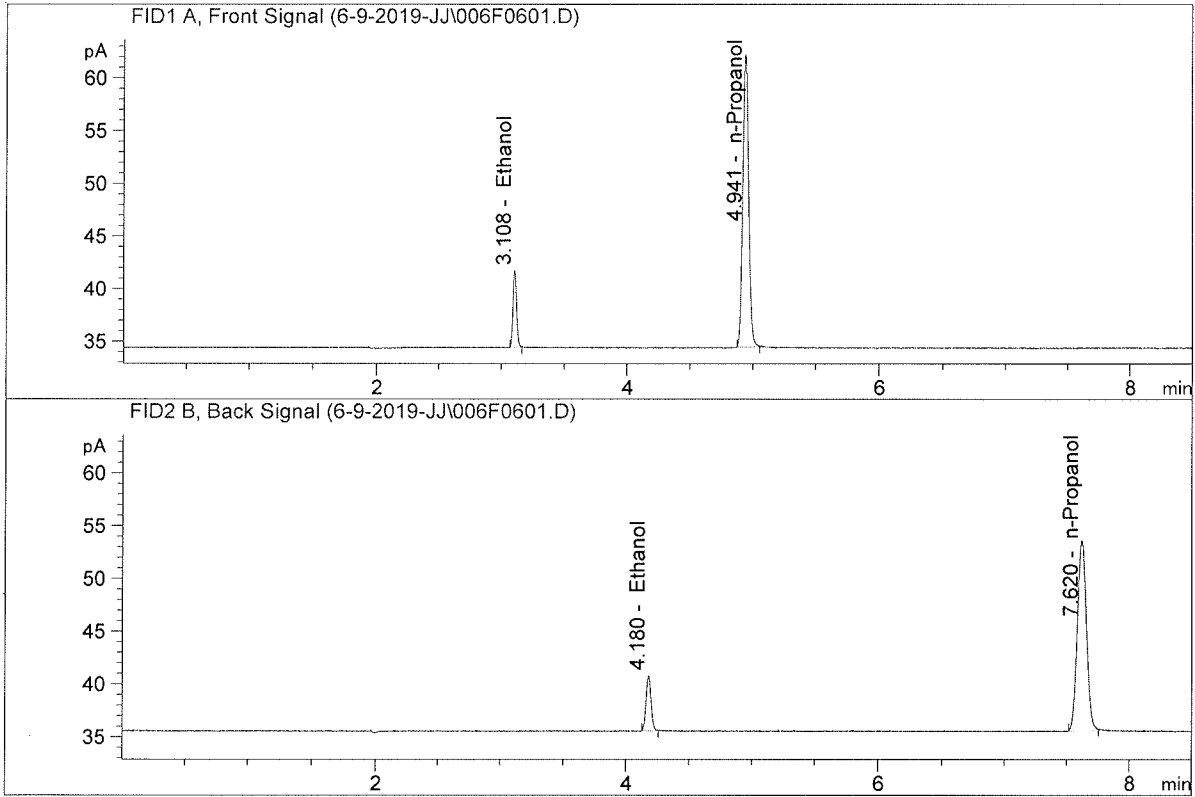
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	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  :    Jun 9, 2019
Method          :    ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```
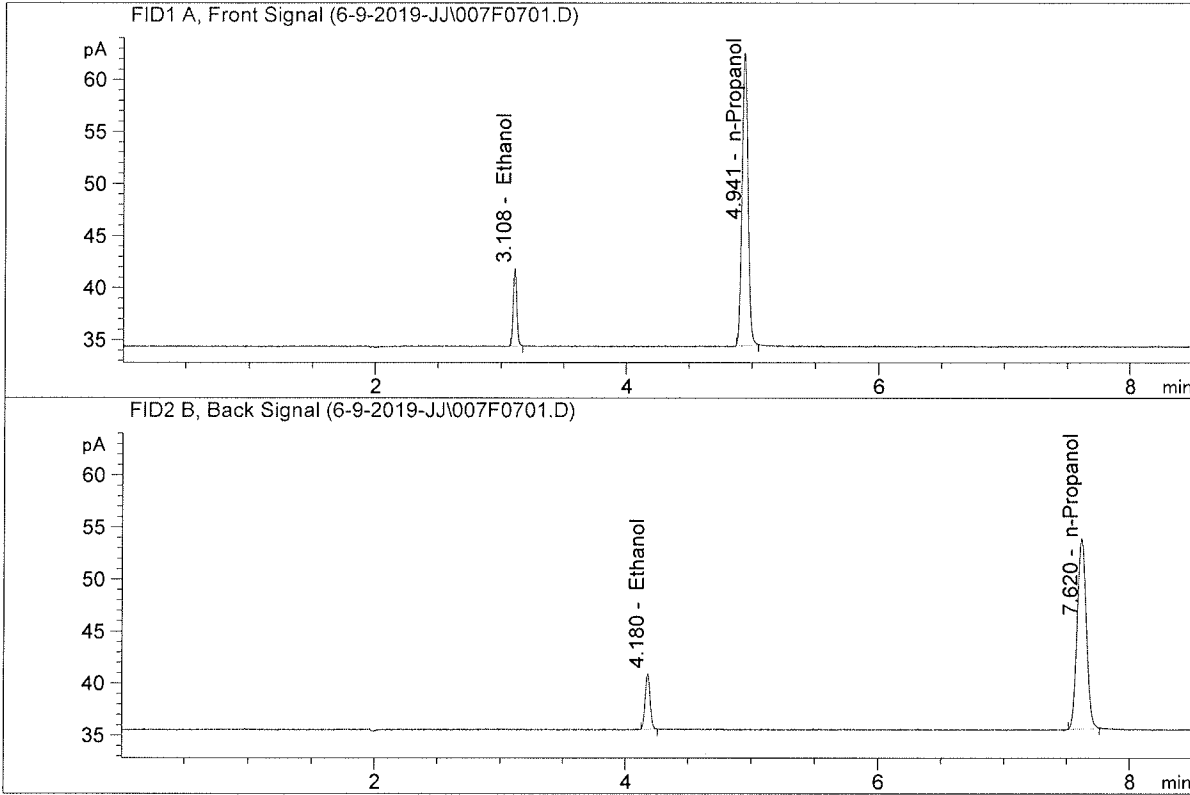

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.31771	0.0797	g/100cc
2.	Ethanol	Column 2:	14.32326	0.0795	g/100cc
3.	n-Propanol	Column 1:	91.31330	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.57057	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   0.08 FN04171701-B
Laboratory       :   Coeur d' Alene
Injection Date   :   Jun 9, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (6-9-2019-JJ\007F0701.D)

FID2 B, Back Signal (6-9-2019-JJ\007F0701.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.67994	0.0809	g/100cc
2.	Ethanol	Column 2:	14.64181	0.0801	g/100cc
3.	n-Propanol	Column 1:	92.30214	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.88639	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2　　　　　　　　**Analysis Date(s): 10 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2001	0.2008	0.0007	0.2004	0.1990	
(g/100cc)	0.1974	0.1979	0.0005	0.1976		

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
0.199	0.189	0.209	0.010

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC-2-A
Laboratory       :   Coeur d' Alene
Injection Date   :   Jun 10, 2019
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742044-IT00725005
```


FID1 A, Front Signal (6-9-2019-JJ\026F2601.D)

FID2 B, Back Signal (6-9-2019-JJ\026F2601.D)
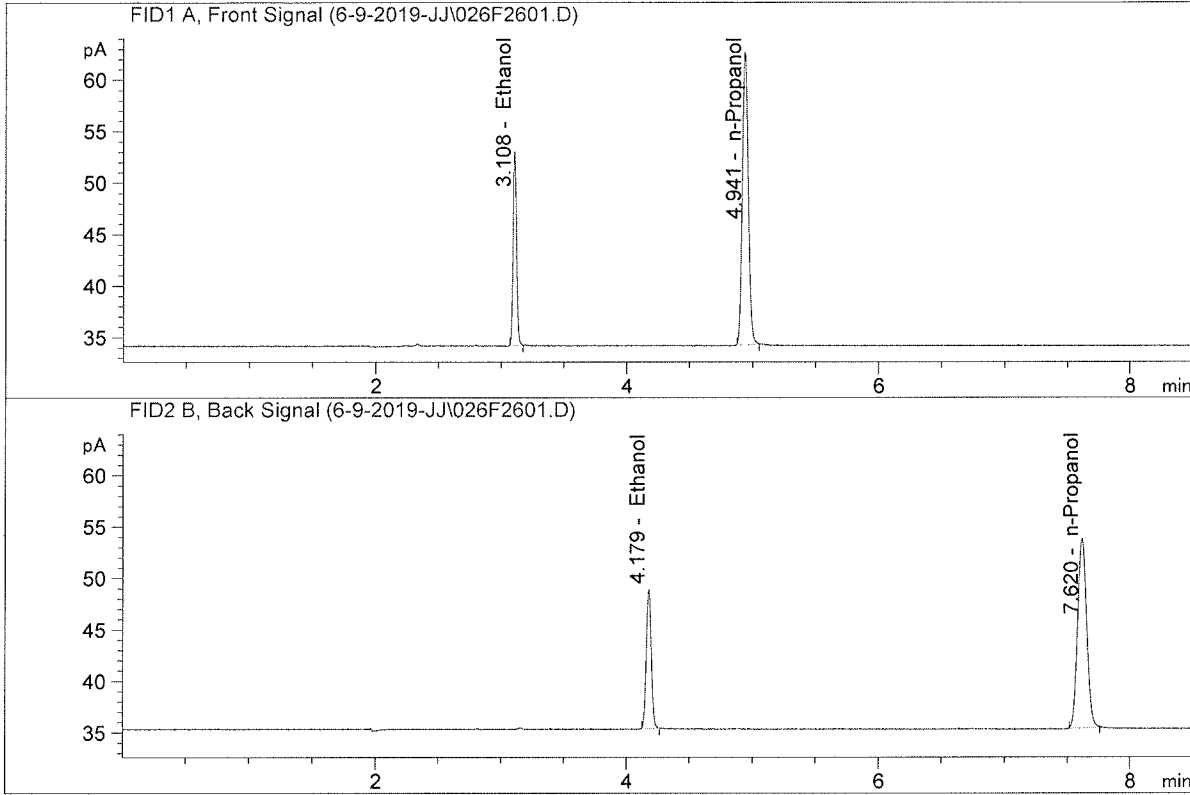
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.83308	0.2001	g/100cc
2.	Ethanol	Column 2:	37.02594	0.2008	g/100cc
3.	n-Propanol	Column 1:	93.59265	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.72155	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC-2-B
Laboratory   :   Coeur d' Alene
Injection Date :   Jun 10, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005
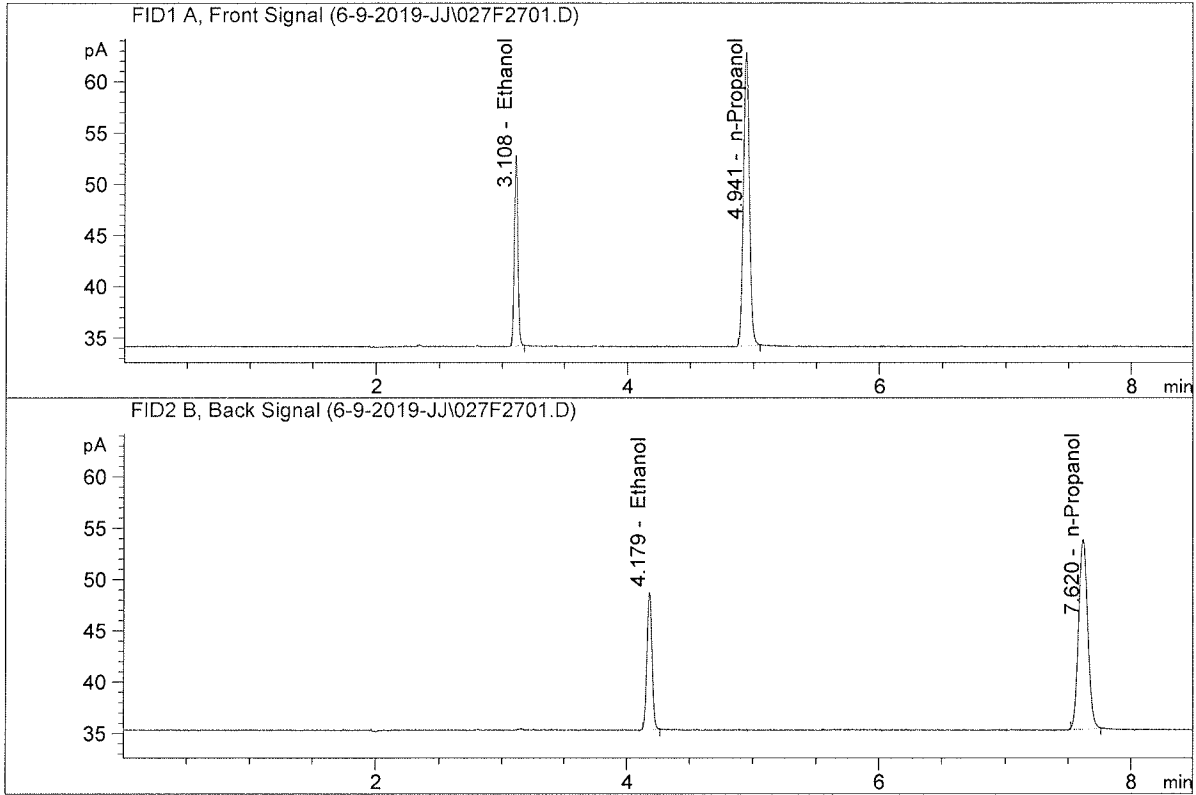
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.48096	0.1974	g/100cc
2.	Ethanol	Column 2:	36.66457	0.1979	g/100cc
3.	n-Propanol	Column 1:	93.95741	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.16154	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2199　　　　　　**Analysis Date(s): 10 Jun 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0800	0.0802	0.0002	0.0801		
(g/100cc)	0.0802	0.0804	0.0002	0.0803	0.0802	

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.

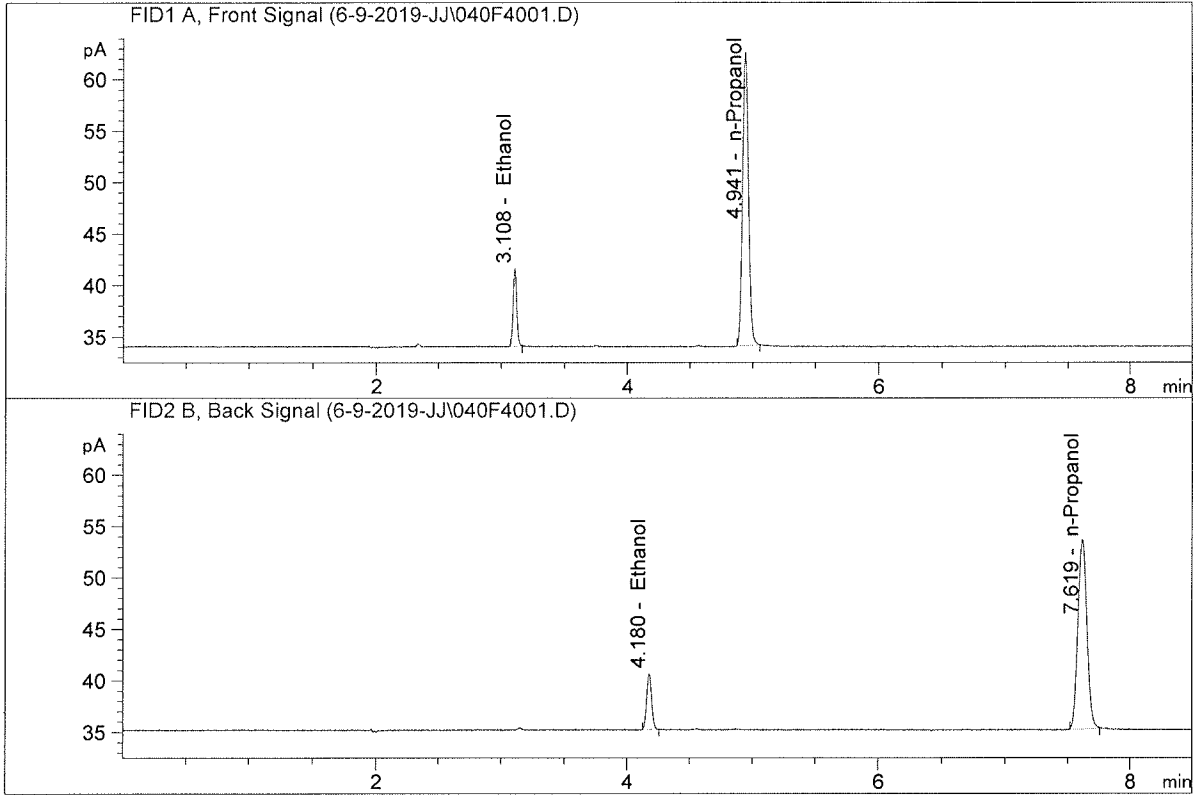Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC-2-A        1.99
Laboratory       :    Coeur d' Alene
Injection Date   :    Jun 10, 2019
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742044-IT00725005
```


FID1 A, Front Signal (6-9-2019-JJ\040F4001.D)

FID2 B, Back Signal (6-9-2019-JJ\040F4001.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.76336	0.0800	g/100cc
2.	Ethanol	Column 2:	14.81789	0.0802	g/100cc
3.	n-Propanol	Column 1:	93.87208	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.90201	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC-2-B *1.99*
Laboratory   :   Coeur d' Alene
Injection Date   :   Jun 10, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (6-9-2019-JJ\041F4101.D)

FID2 B, Back Signal (6-9-2019-JJ\041F4101.D)
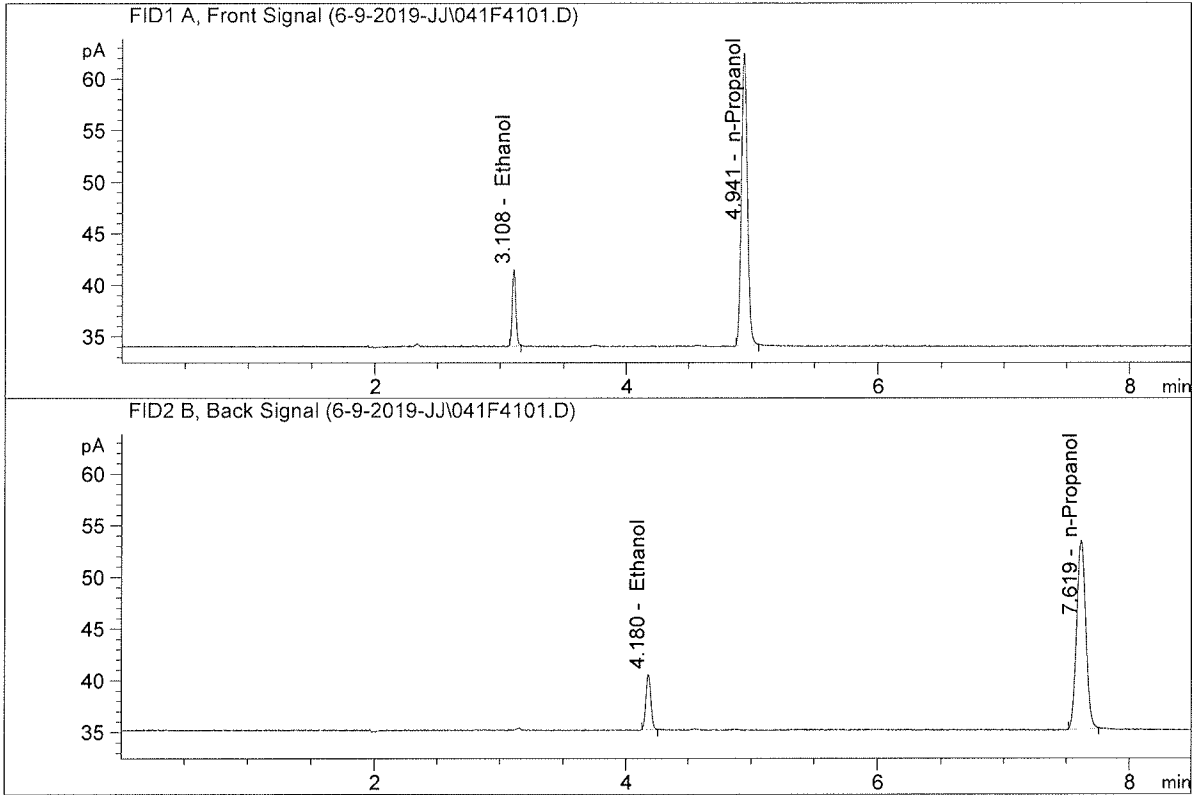
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.69520	0.0802	g/100cc
2.	Ethanol	Column 2:	14.74603	0.0804	g/100cc
3.	n-Propanol	Column 1:	93.11027	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.19047	1.0000	g/100cc

99

Sample Name   :   ISTD BLANK
Laboratory   :   Coeur d' Alene
Injection Date :   Jun 10, 2019
Method   :   ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005
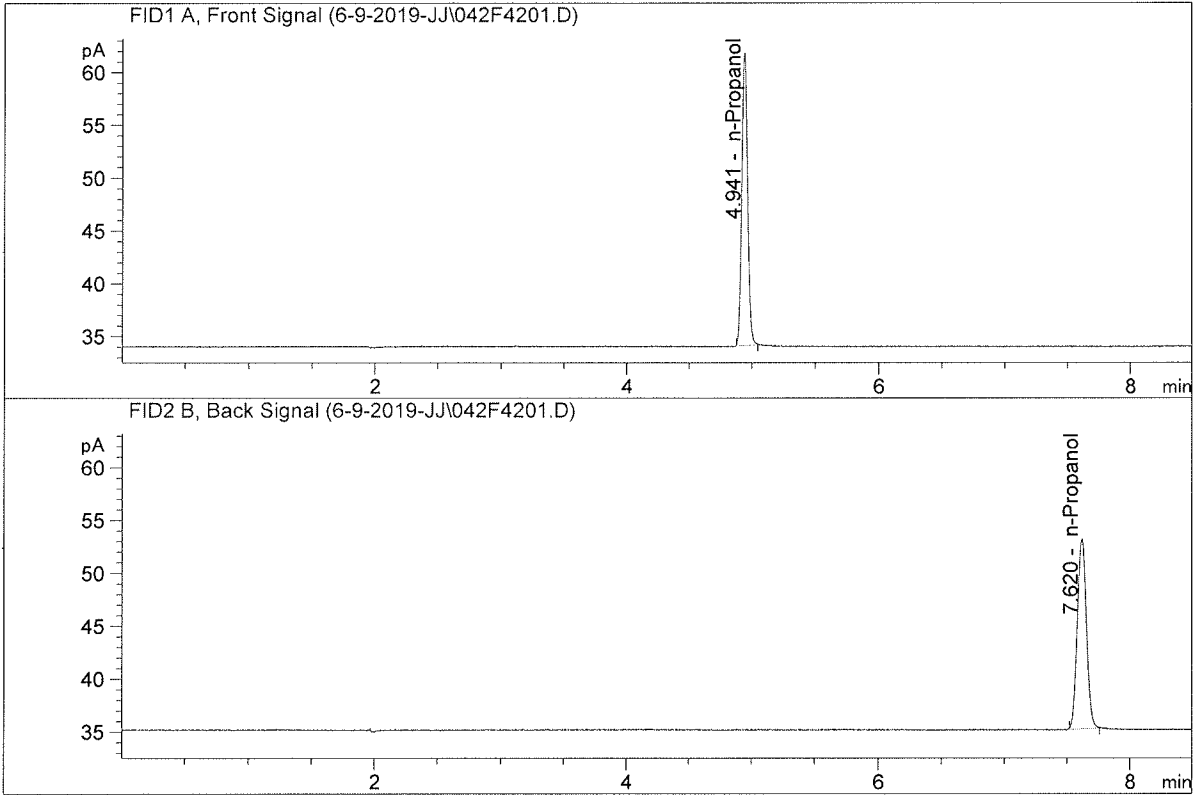
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	90.93388	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.30281	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   water
Laboratory   :   Coeur d' Alene
Injection Date :   Jun 10, 2019
Method   :   ALCOHOL.M
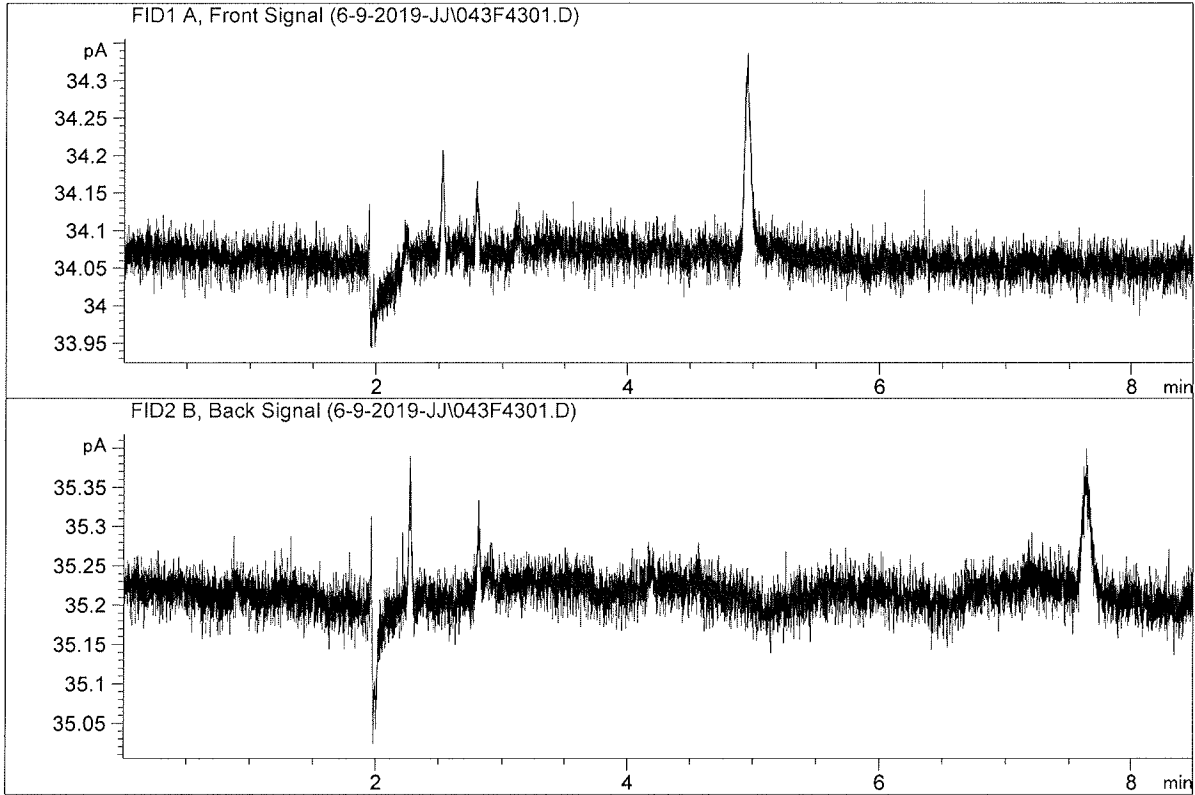Acq. Instrument: CN10742044-IT00725005

FID1 A, Front Signal (6-9-2019-JJ\043F4301.D)

FID2 B, Back Signal (6-9-2019-JJ\043F4301.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