





















Worklist: 1667

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0408	1	78538	Alcohol Analysis	
C2017-0493	1	79339	Alcohol Analysis	
C2017-0501	1	79465	Alcohol Analysis	
C2017-0539	1	79843	Alcohol Analysis	
C2017-0541	1	79845	Alcohol Analysis	
C2017-0571	1	80052	Alcohol Analysis	
C2017-0577	1	80255	Alcohol Analysis	
C2017-0579	1	80260	Alcohol Analysis	
C2017-0662	1	81187	Alcohol Analysis	
C2017-0669	1	81520	Alcohol Analysis	
C2017-0670	1	81521	Alcohol Analysis	
C2017-0671	1	81522	Alcohol Analysis	
C2017-0674	1	81527	Alcohol Analysis	
C2017-0677	1	81548	Alcohol Analysis	
C2017-0683	1	81581	Alcohol Analysis	
C2017-0693	1	81711	Alcohol Analysis	
C2017-0702	1	81759	Alcohol Analysis	
C2017-0710	1	81911	Alcohol Analysis	
C2017-0715	1	82025	Alcohol Analysis	
P2017-0605	1	79482	Alcohol Analysis	

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96GF641

Volatiles Quality Assurance Controls

Run Date(s): 4/19/2017

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0756 g/100cc
					0.0767 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1952 g/100cc
					0.1963 g/100cc
Multi-Component mixture: Sep-20					OK
Curve Fit:			Lot #	FN06041502	
			Column 1	1.00000	Column 2
					0.99998

Ethanol Calibration Reference Material						
Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0498	0.0490
0.080						0
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0992	0.0979
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1986	0.1971
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3007	0.2998
0.400						0
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5003	0.5018
						0.0015
						0.501

Aqueous Controls					
Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.079 g/100cc

Issued: 4/22/2015

~Any information on this document can be changed for laboratory use, except for the precision and mean determination formulas.

99

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_19.04.2017_02.17.19\4-19-2017.S
 Data directory path: C:\Chem32\1\Data\4-19-2017JTJ
 Logbook: C:\Chem32\1\Data\4-19-2017JTJ\4-19-2017.LOG
 Sequence start: 4/19/2017 2:31:04 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 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	C2017-0408-1-A	-	1.0000	008F0801.D		4
9	9	1	C2017-0408-1-B	-	1.0000	009F0901.D		4
10	10	1	C2017-0493-1-A	-	1.0000	010F1001.D		4
11	11	1	C2017-0493-1-B	-	1.0000	011F1101.D		6
12	12	1	C2017-0501-1-A	-	1.0000	012F1201.D		4
13	13	1	C2017-0501-1-B	-	1.0000	013F1301.D		4
14	14	1	C2017-0539-1-A	-	1.0000	014F1401.D		5
15	15	1	C2017-0539-1-B	-	1.0000	015F1501.D		4
16	16	1	C2017-0541-1-A	-	1.0000	016F1601.D		4
17	17	1	C2017-0541-1-B	-	1.0000	017F1701.D		4
18	18	1	C2017-0571-1-A	-	1.0000	018F1801.D		4
19	19	1	C2017-0571-1-B	-	1.0000	019F1901.D		4
20	20	1	C2017-0577-1-A	-	1.0000	020F2001.D		4
21	21	1	C2017-0577-1-B	-	1.0000	021F2101.D		4
22	22	1	C2017-0579-1-A	-	1.0000	022F2201.D		4
23	23	1	C2017-0579-1-B	-	1.0000	023F2301.D		4
24	24	1	C2017-0662-1-A	-	1.0000	024F2401.D		4
25	25	1	C2017-0662-1-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	C2017-0669-1-A	-	1.0000	028F2801.D		4
29	29	1	C2017-0669-1-B	-	1.0000	029F2901.D		4
30	30	1	C2017-0670-1-A	-	1.0000	030F3001.D		4
31	31	1	C2017-0670-1-B	-	1.0000	031F3101.D		4
32	32	1	C2017-0671-1-A	-	1.0000	032F3201.D		4
33	33	1	C2017-0671-1-B	-	1.0000	033F3301.D		4
34	34	1	C2017-0674-1-A	-	1.0000	034F3401.D		4
35	35	1	C2017-0674-1-B	-	1.0000	035F3501.D		4
36	36	1	C2017-0677-1-A	-	1.0000	036F3601.D		4
37	37	1	C2017-0677-1-B	-	1.0000	037F3701.D		4
38	38	1	C2017-0683-1-A	-	1.0000	038F3801.D		4
39	39	1	C2017-0683-1-B	-	1.0000	039F3901.D		4
40	40	1	C2017-0693-1-A	-	1.0000	040F4001.D		2
41	41	1	C2017-0693-1-B	-	1.0000	041F4101.D		2
42	42	1	C2017-0702-1-A	-	1.0000	042F4201.D		4
43	43	1	C2017-0702-1-B	-	1.0000	043F4301.D		4
44	44	1	C2017-0710-1-A	-	1.0000	044F4401.D		4
45	45	1	C2017-0710-1-B	-	1.0000	045F4501.D		4
46	46	1	C2017-0715-1-A	-	1.0000	046F4601.D		4

99

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	C2017-0715-1-B	-	1.0000	047F4701.D		4
48	48	1	QC-1-A	-	1.0000	048F4801.D		4
49	49	1	QC-1-B	-	1.0000	049F4901.D		4
50	50	1	P2017-0605-1-A	-	1.0000	050F5001.D		2
51	51	1	P2017-0605-1-B	-	1.0000	051F5101.D		2
52	52	1	QC-2-A	-	1.0000	052F5201.D		4
53	53	1	QC-2-B	-	1.0000	053F5301.D		4
54	54	1	ISTD BLANK	-	1.0000	054F5401.D		2

99

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified : Wednesday, April 19, 2017 2:05:27 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 [g/100cc]	Name
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

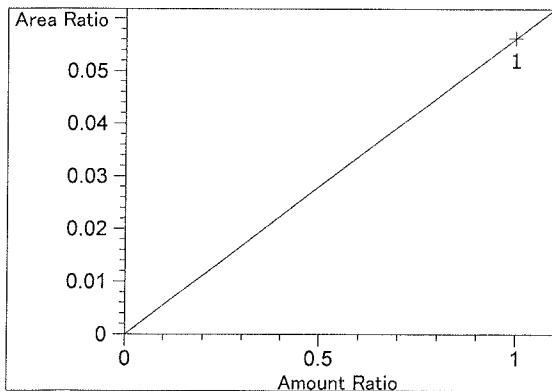
99

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
3.101	1	1	5.00000e-2	8.20484	6.09396e-3	No	No 1	Ethanol
		2	1.00000e-1	17.02491	5.87375e-3			
		3	2.00000e-1	34.03709	5.87594e-3			
		4	3.00000e-1	51.89370	5.78105e-3			
		5	5.00000e-1	86.63405	5.77140e-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
4.170	2	1	5.00000e-2	8.07099	6.19503e-3	No	No 2	Ethanol
		2	1.00000e-1	16.78563	5.95748e-3			
		3	2.00000e-1	33.64606	5.94423e-3			
		4	3.00000e-1	51.45872	5.82992e-3			
		5	5.00000e-1	86.10806	5.80666e-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
4.930	1	1	1.00000	90.36810	1.10659e-2	No	Yes 1	n-Propanol
		2	1.00000	94.24679	1.06104e-2			
		3	1.00000	94.07691	1.06296e-2			
		4	1.00000	94.73704	1.05555e-2			
		5	1.00000	95.07115	1.05184e-2			
7.603	2	1	1.00000	88.99848	1.12361e-2	No	Yes 2	n-Propanol
		2	1.00000	92.57694	1.08018e-2			
		3	1.00000	92.19658	1.08464e-2			
		4	1.00000	92.68523	1.07892e-2			
		5	1.00000	92.67724	1.07901e-2			

Peak Sum Table

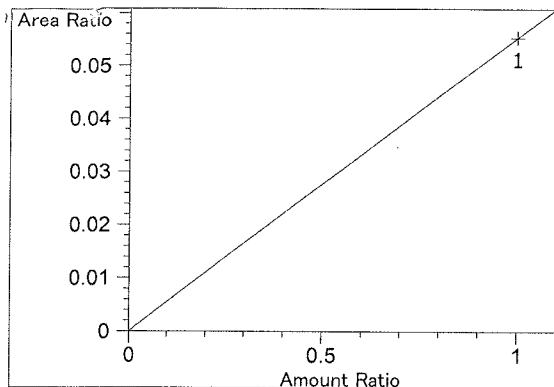
No Entries in table

Calibration Curves

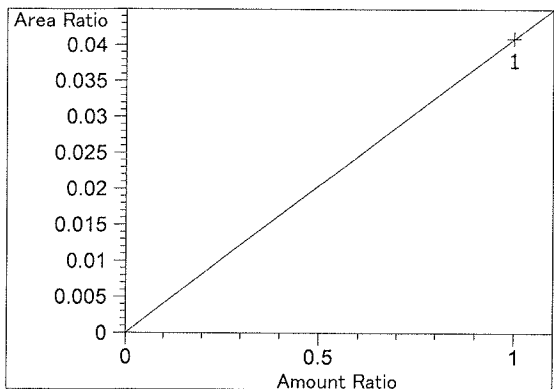


Difluoroethane at exp. RT: 2.000
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 5.61807e-2
 x: Amount Ratio
 y: Area Ratio

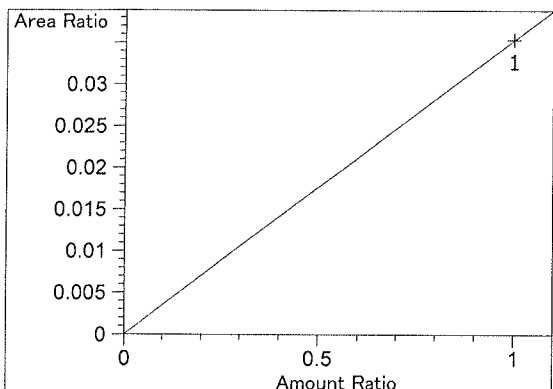
99



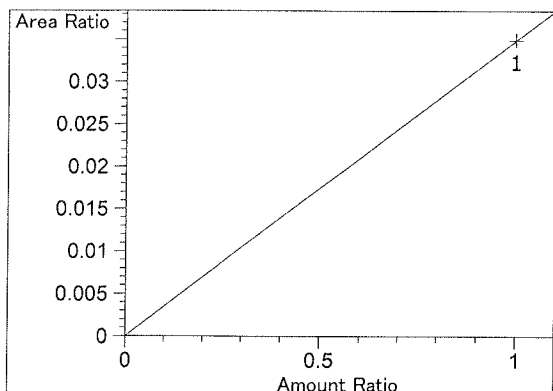
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 5.53293e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 4.09071e-2
x: Amount Ratio
y: Area Ratio

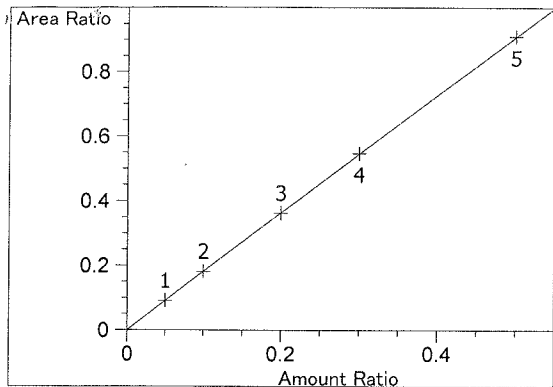


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.53345e-2
x: Amount Ratio
y: Area Ratio

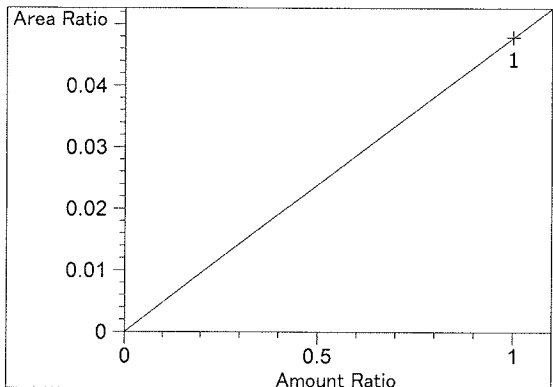


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.48967e-2
x: Amount Ratio
y: Area Ratio

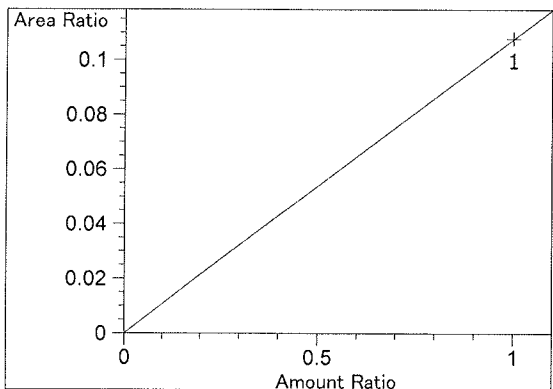
99



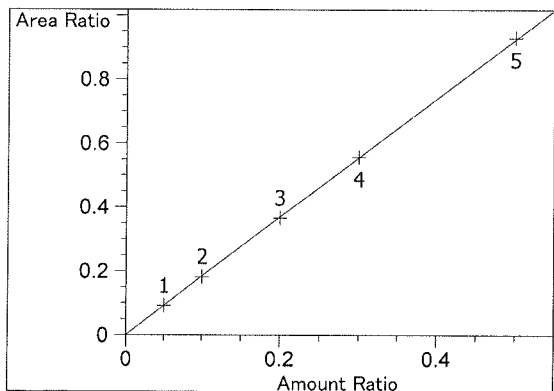
Ethanol at exp. RT: 3.101
FID1 A, Front Signal
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00163
Formula: $y = mx$
m: 1.82146
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 4.78730e-2
x: Amount Ratio
y: Area Ratio

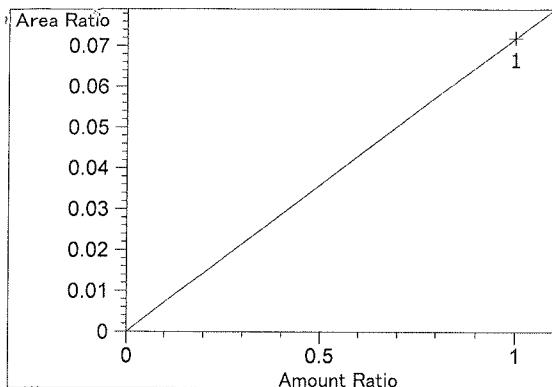


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.07677e-1
x: Amount Ratio
y: Area Ratio

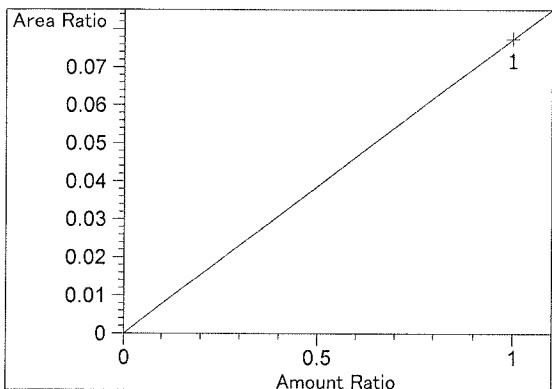


Ethanol at exp. RT: 4.170
FID2 B, Back Signal
Correlation: 0.99998 ✓
Residual Std. Dev.: 0.00382
Formula: $y = mx$
m: 1.85165
x: Amount Ratio
y: Area Ratio

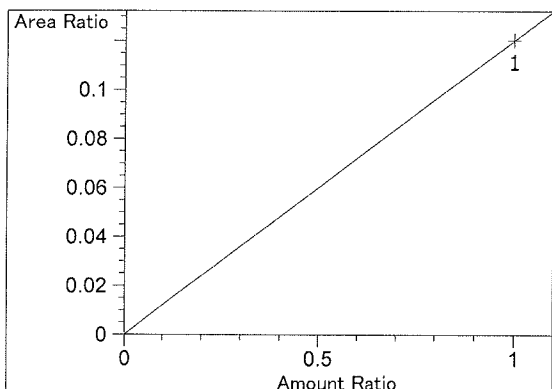
99



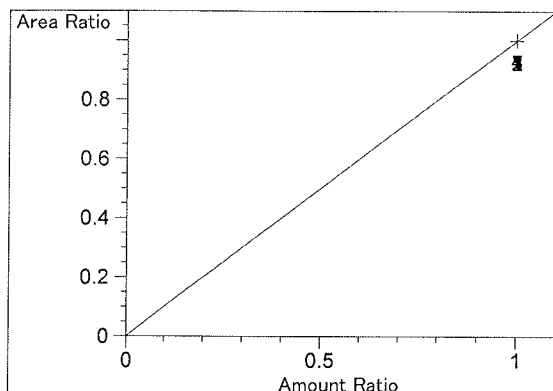
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 7.19214e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 7.74509e-2
x: Amount Ratio
y: Area Ratio

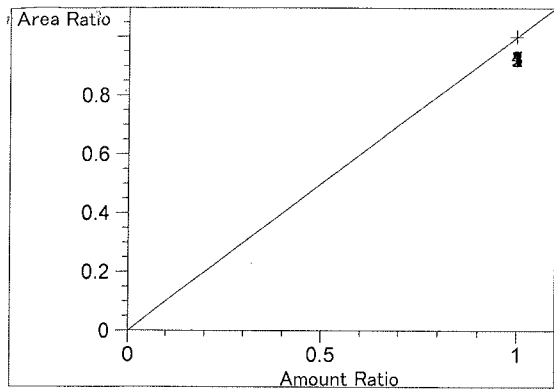


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.20299e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.930
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio

99



n-Propanol at exp. RT: 7.603
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio

=====

99

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

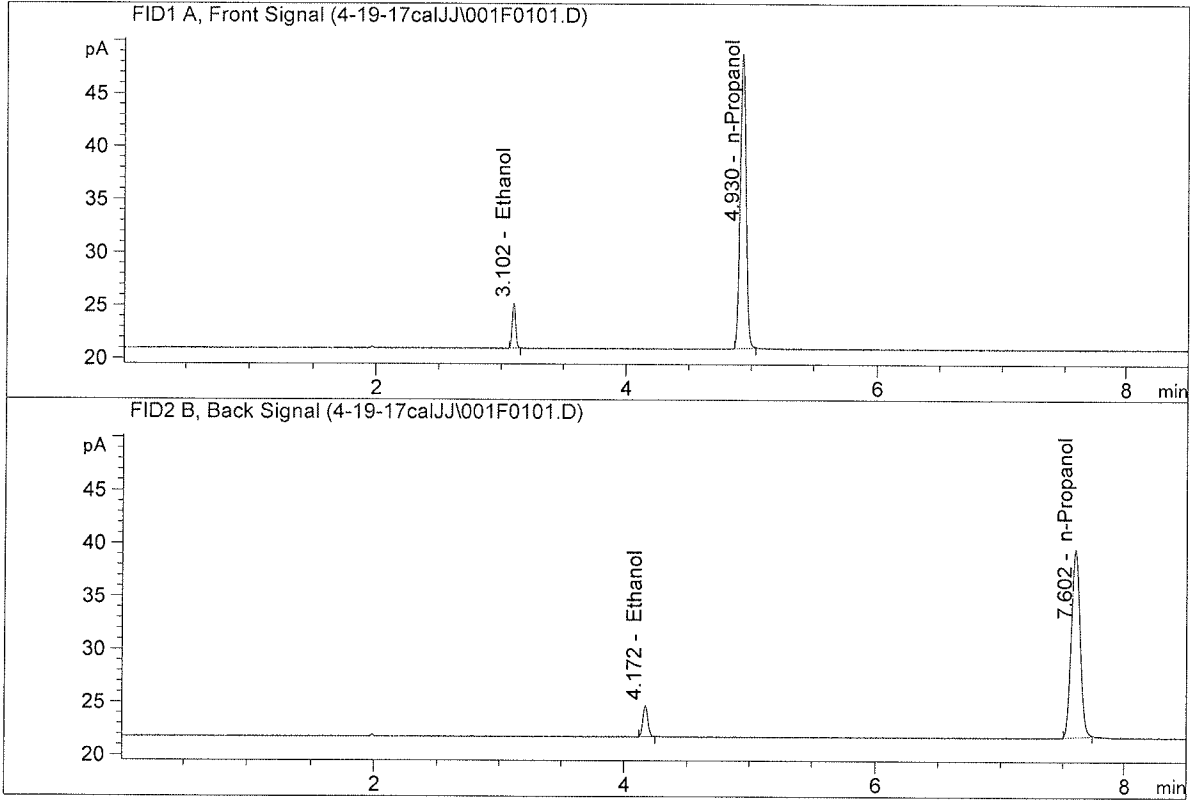
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_19.04.2017_12.44.55\4-19-17cal.S
Data directory path: C:\Chem32\1\Data\4-19-17calJJ
Logbook: C:\Chem32\1\Data\4-19-17calJJ\4-19-17cal.LOG
Sequence start: 4/19/2017 12:58:37 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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 : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

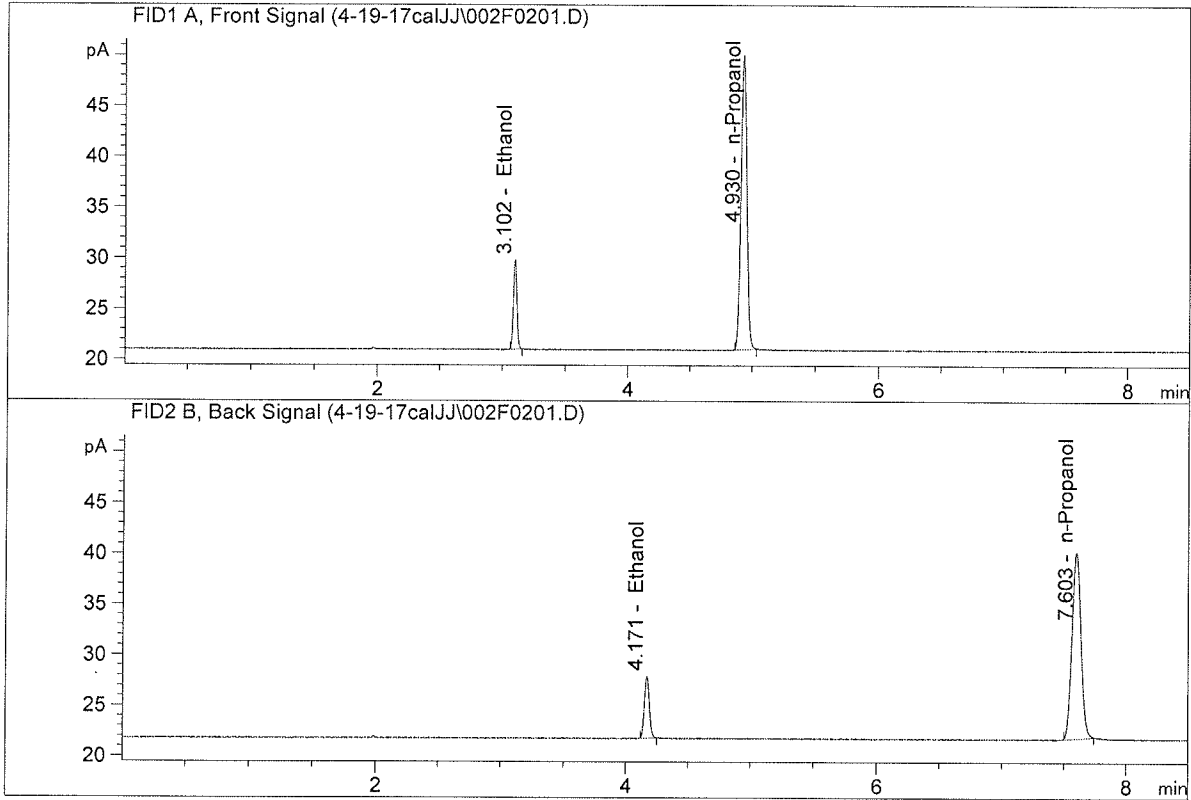


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.20484	0.0498	g/100cc
2.	Ethanol	Column 2:	8.07099	0.0490	g/100cc
3.	n-Propanol	Column 1:	90.36810	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.99848	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

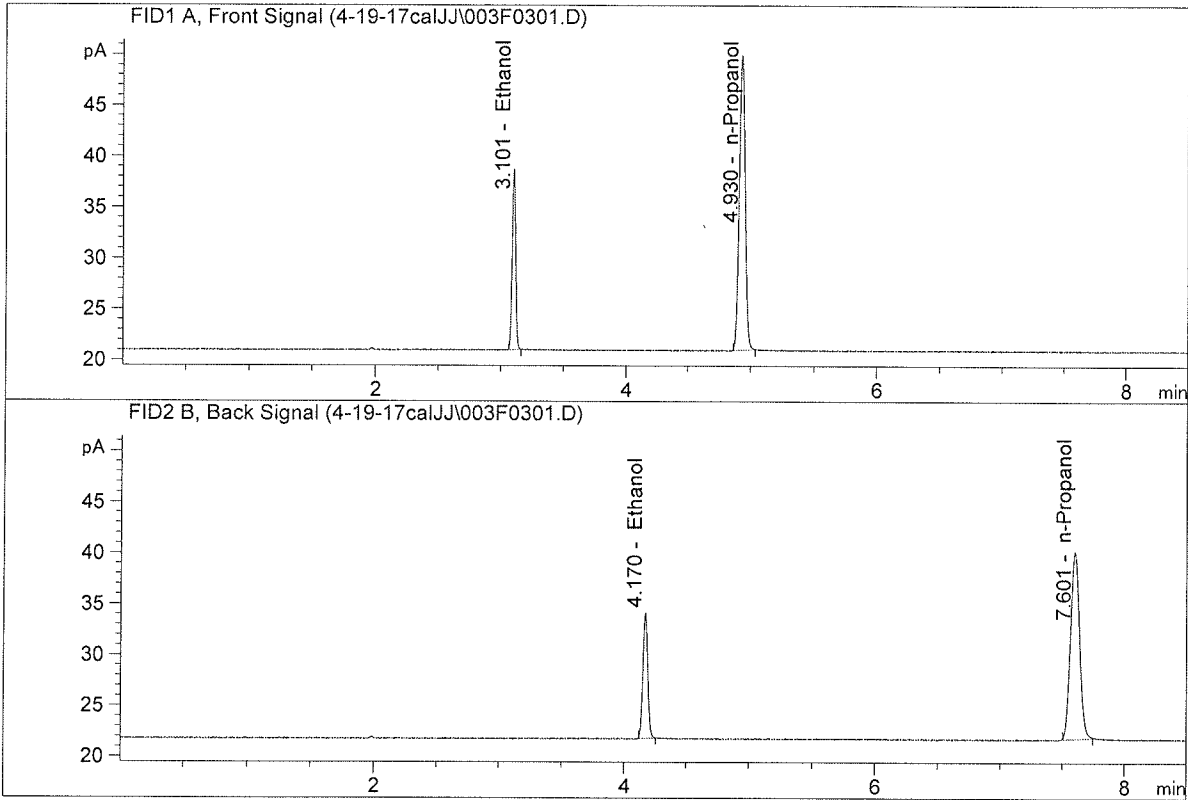


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.02491	0.0992	g/100cc
2.	Ethanol	Column 2:	16.78563	0.0979	g/100cc
3.	n-Propanol	Column 1:	94.24679	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.57694	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

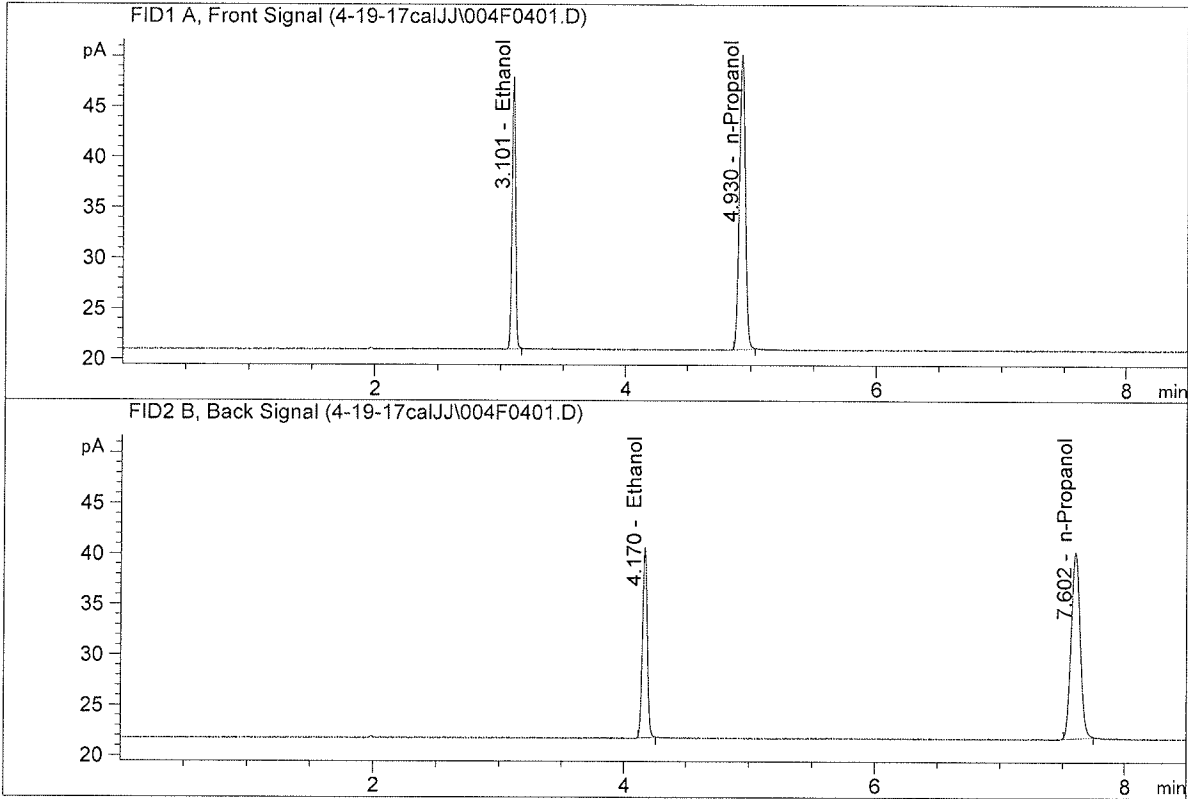


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.03709	0.1986	g/100cc
2.	Ethanol	Column 2:	33.64606	0.1971	g/100cc
3.	n-Propanol	Column 1:	94.07691	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.19658	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

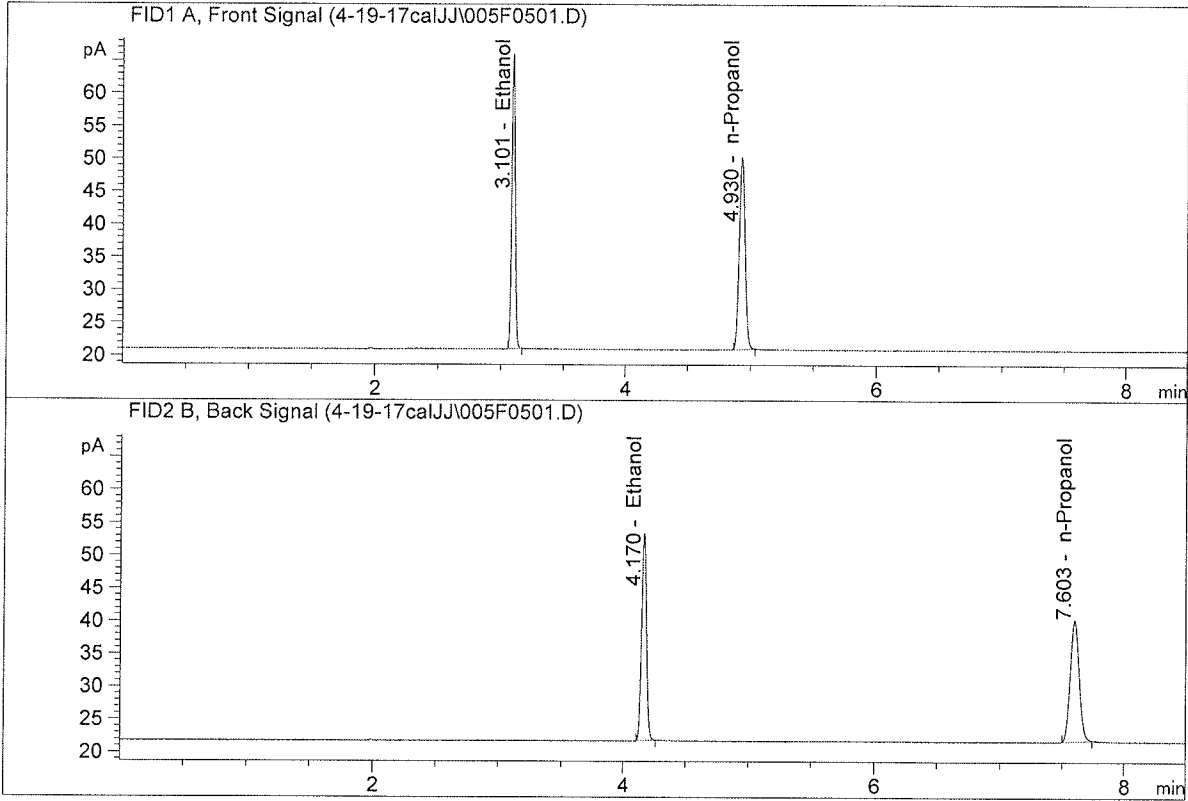


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.89370	0.3007	g/100cc
2.	Ethanol	Column 2:	51.45872	0.2998	g/100cc
3.	n-Propanol	Column 1:	94.73704	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.68523	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

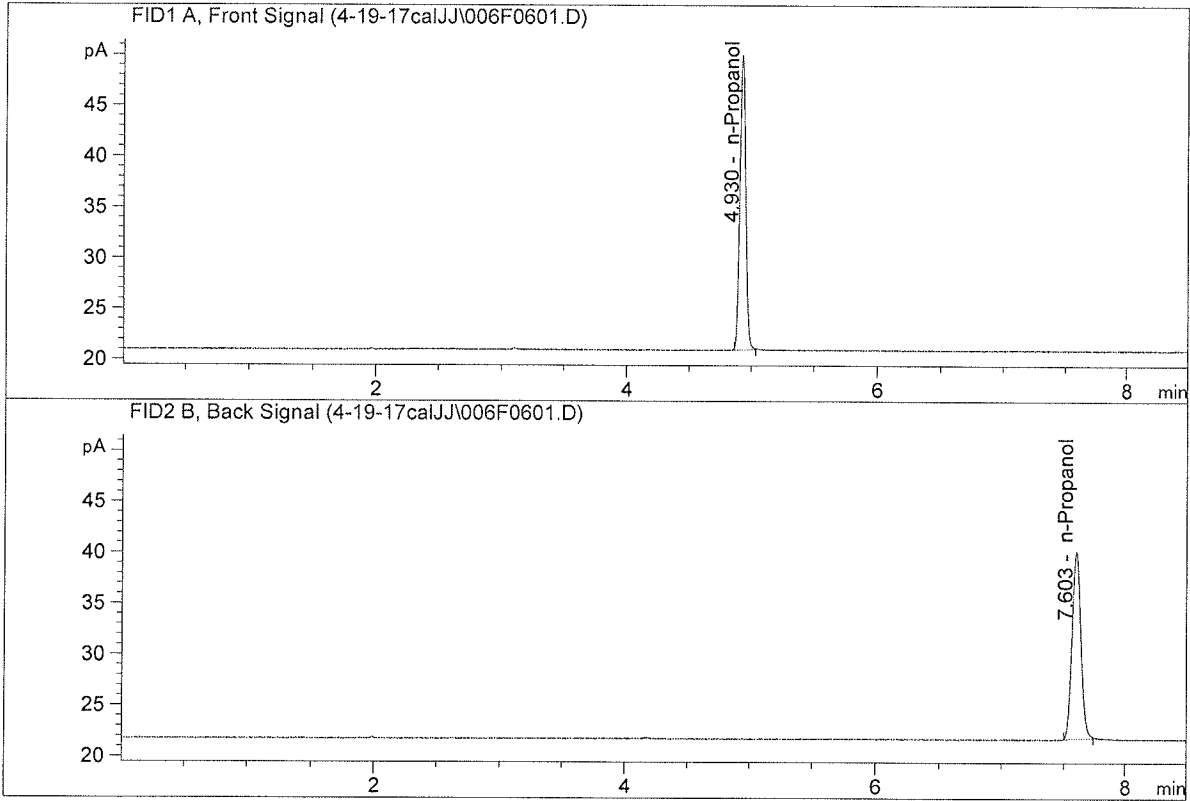


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	86.63405	0.5003	g/100cc
2.	Ethanol	Column 2:	86.10806	0.5018	g/100cc
3.	n-Propanol	Column 1:	95.07115	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.67724	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

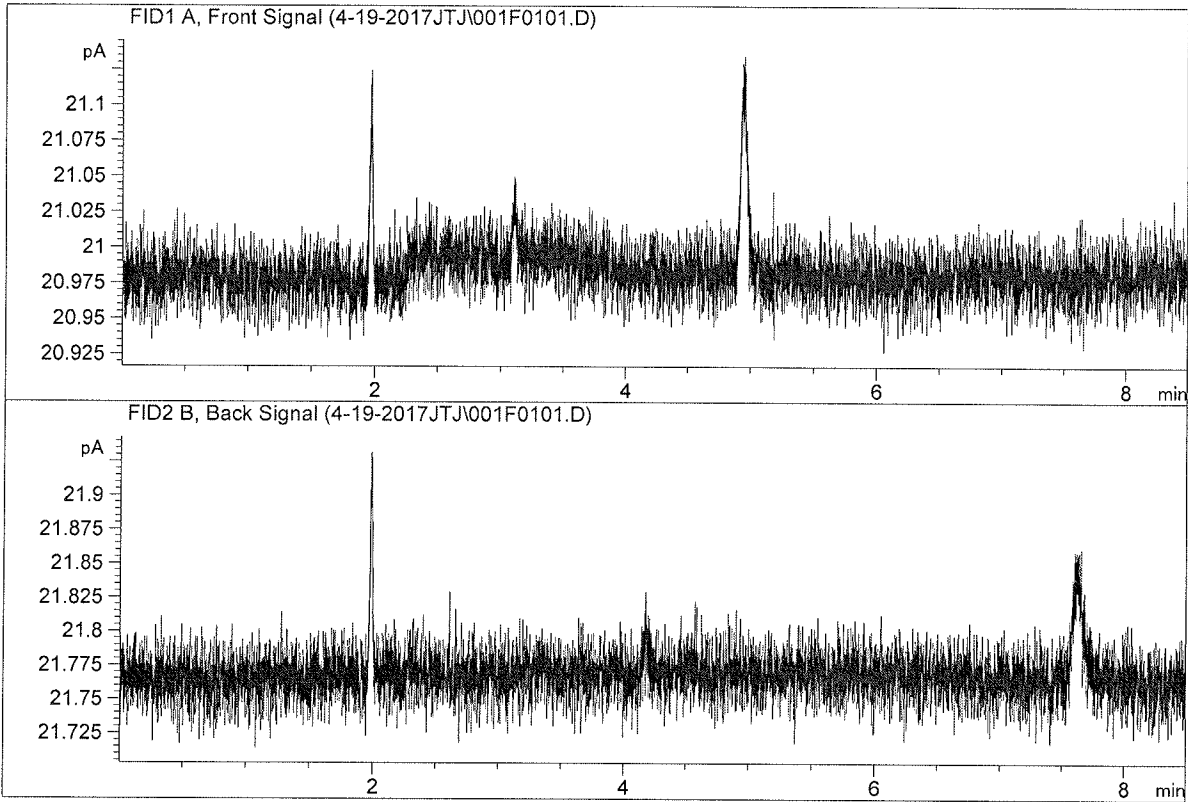
Sample Name : blank
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	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:	94.13913	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.24158	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

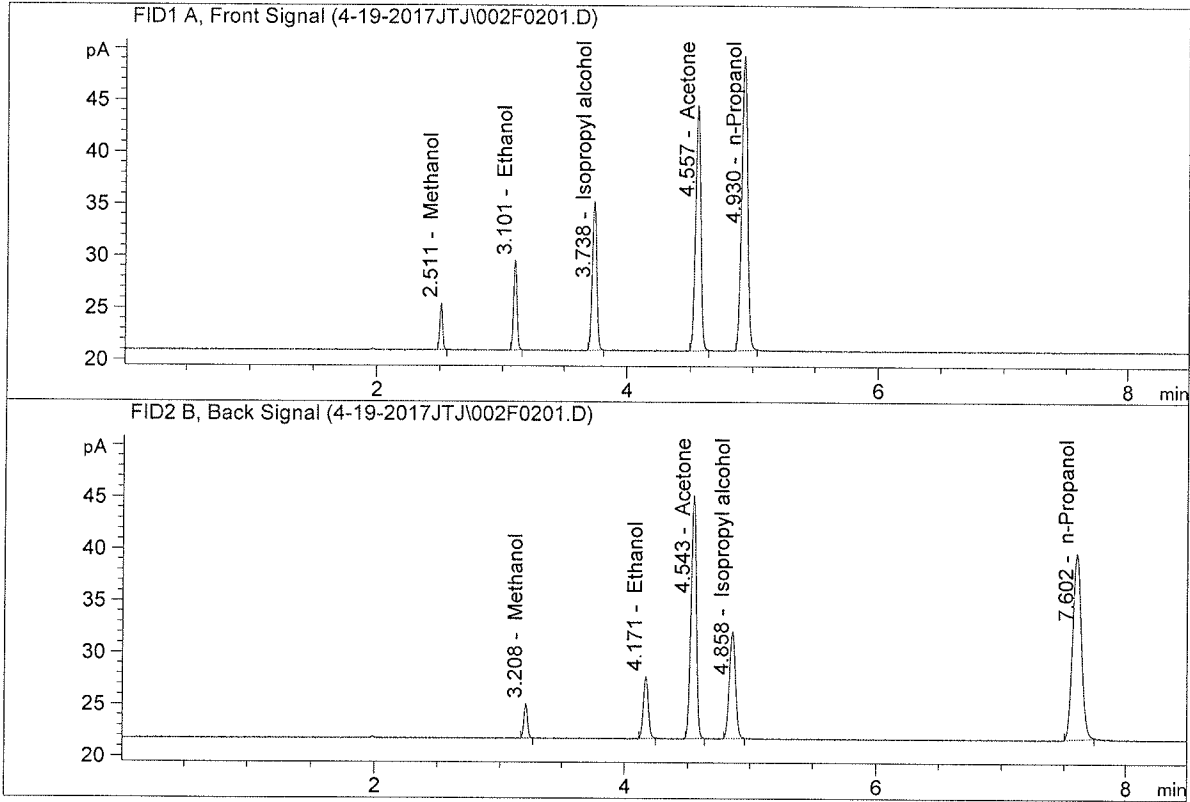


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

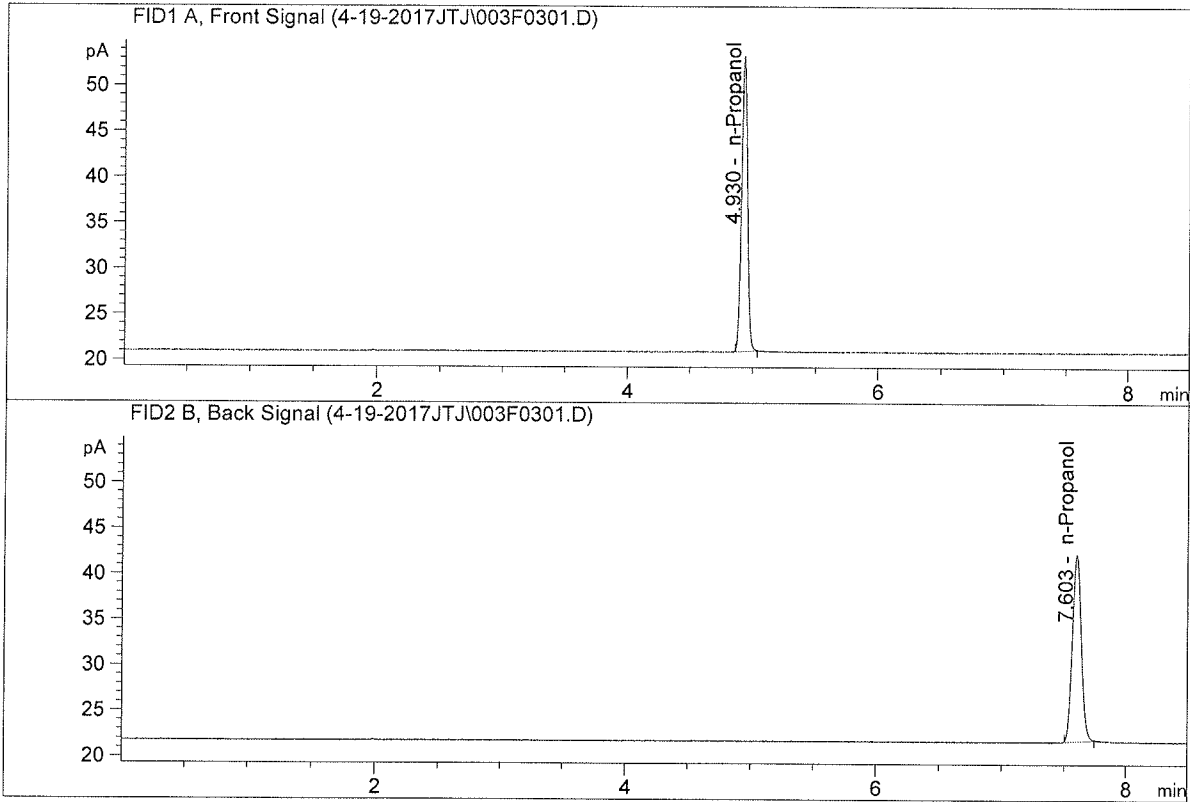


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.58168	0.0989	g/100cc
2.	Ethanol	Column 2:	16.33583	0.0980	g/100cc
3.	n-Propanol	Column 1:	92.08165	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.00108	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 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:	104.78501	1.0000	g/100cc
4.	n-Propanol	Column 2:	102.83199	1.0000	g/100cc

SP

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1

Analysis Date(s): 19 Apr 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0759	0.0751	0.0008	0.0755	0.0756	
(g/100cc)	0.0760	0.0754	0.0006	0.0757		

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: MD-96GF641

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

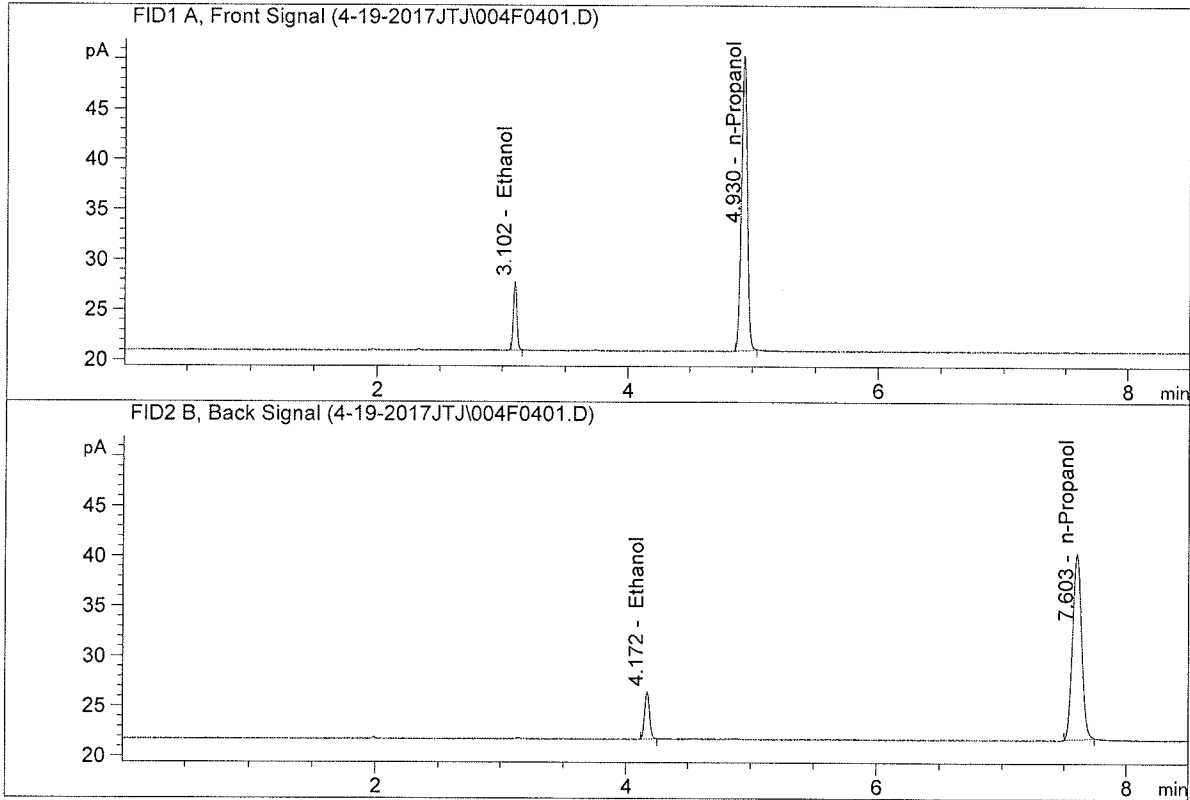
	Reported Result	
	0.075	

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

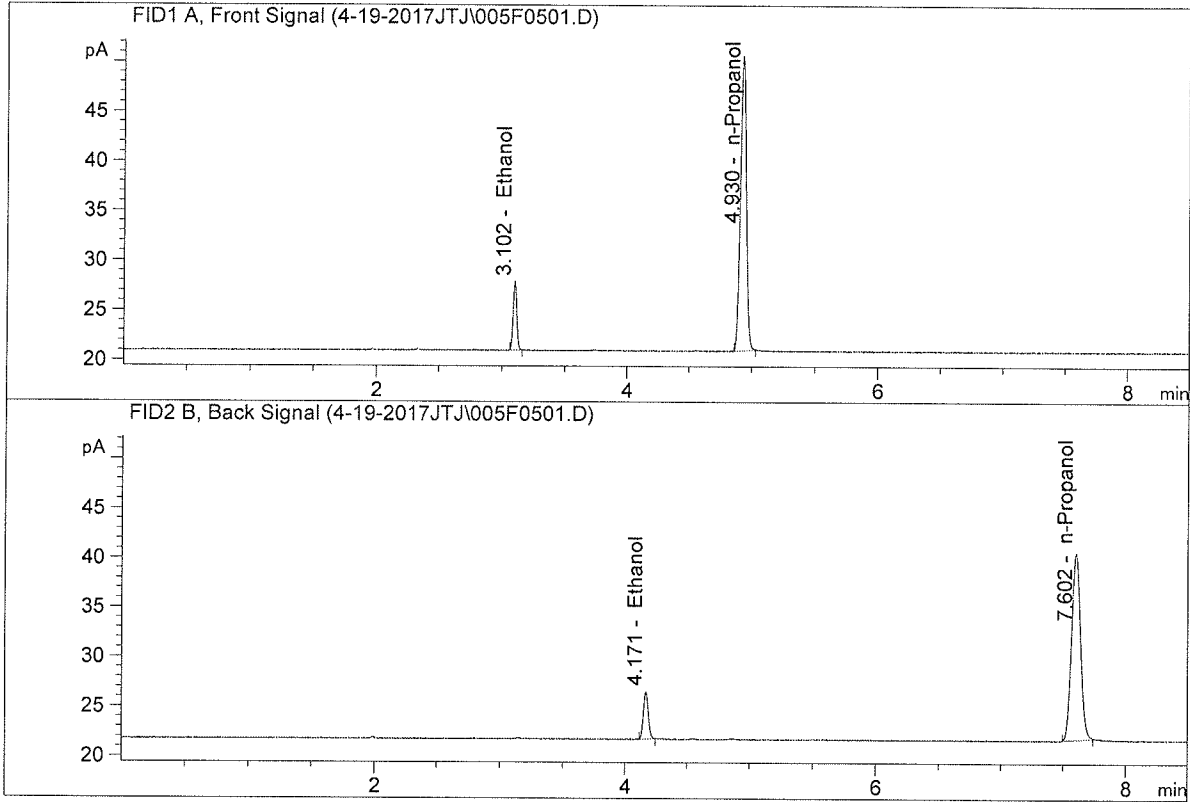


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.19144	0.0759	g/100cc
2.	Ethanol	Column 2:	12.97619	0.0751	g/100cc
3.	n-Propanol	Column 1:	95.36006	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.32876	1.0000	g/100cc

59

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.33607	0.0760	g/100cc
2.	Ethanol	Column 2:	13.16384	0.0754	g/100cc
3.	n-Propanol	Column 1:	96.38358	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.31792	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304

Analysis Date(s): 19 Apr 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0798	0.0789	0.0009	0.0793	0.0792	
(g/100cc)	0.0796	0.0788	0.0008	0.0792		

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: MD-96GF641

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Issued: 12/30/2016

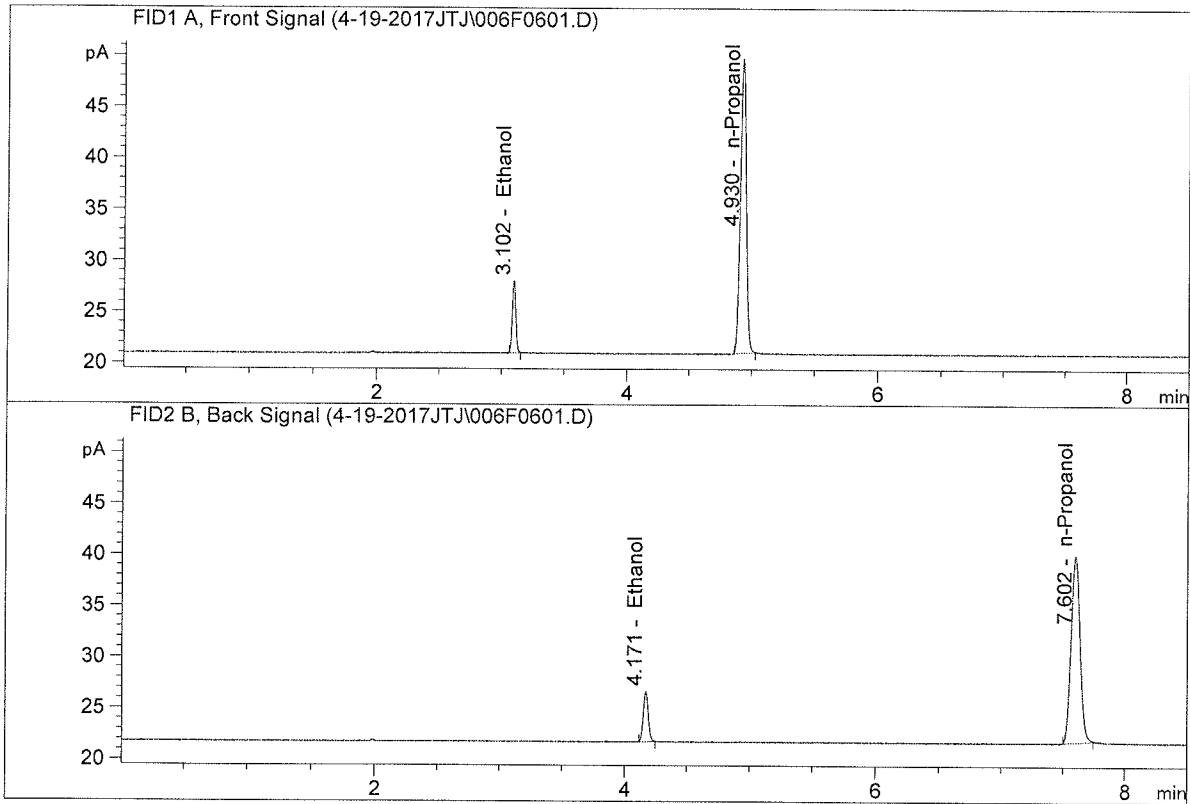
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-A
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

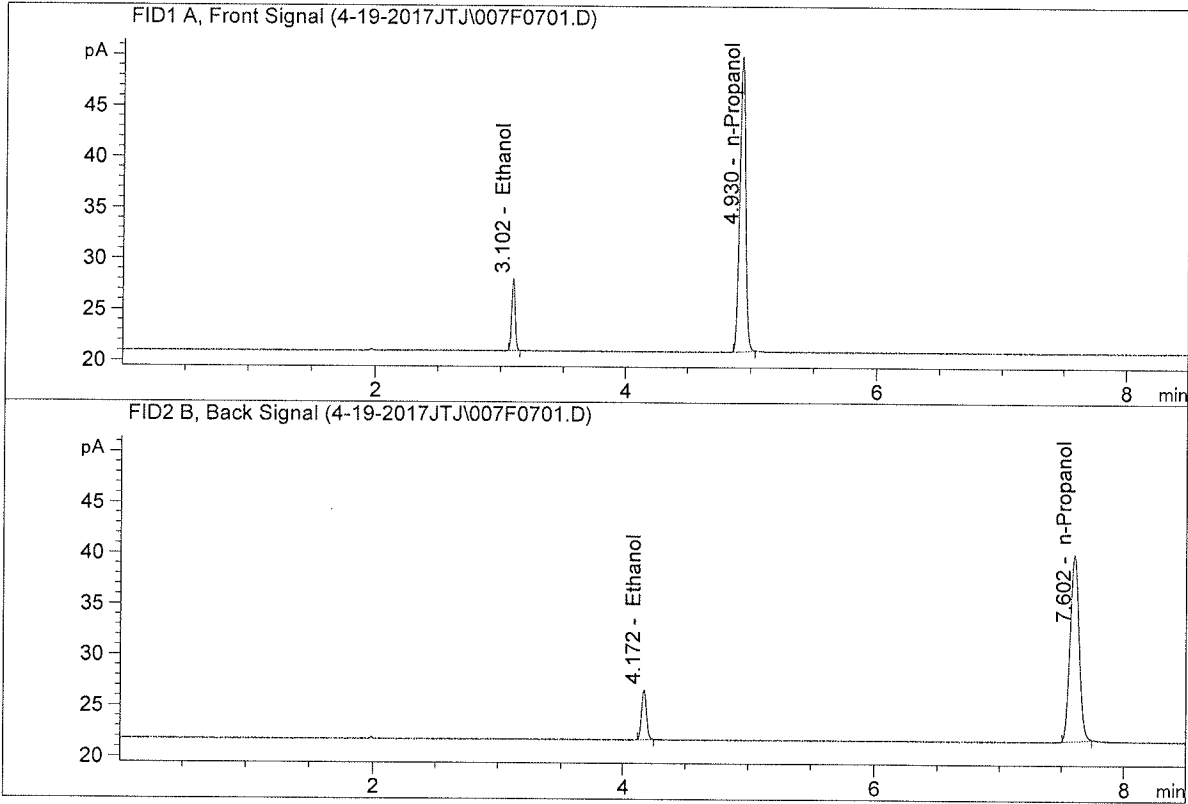


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.61064	0.0798	g/100cc
2.	Ethanol	Column 2:	13.39250	0.0789	g/100cc
3.	n-Propanol	Column 1:	93.58810	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.69384	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.65626	0.0796	g/100cc
2.	Ethanol	Column 2:	13.43210	0.0788	g/100cc
3.	n-Propanol	Column 1:	94.17036	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.00018	1.0000	g/100cc

JA

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2

Analysis Date(s): 19 Apr 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1954	0.1946	0.0008	0.1950	0.1952	
(g/100cc)	0.1961	0.1948	0.0013	0.1954		

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: MD-96GF641

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

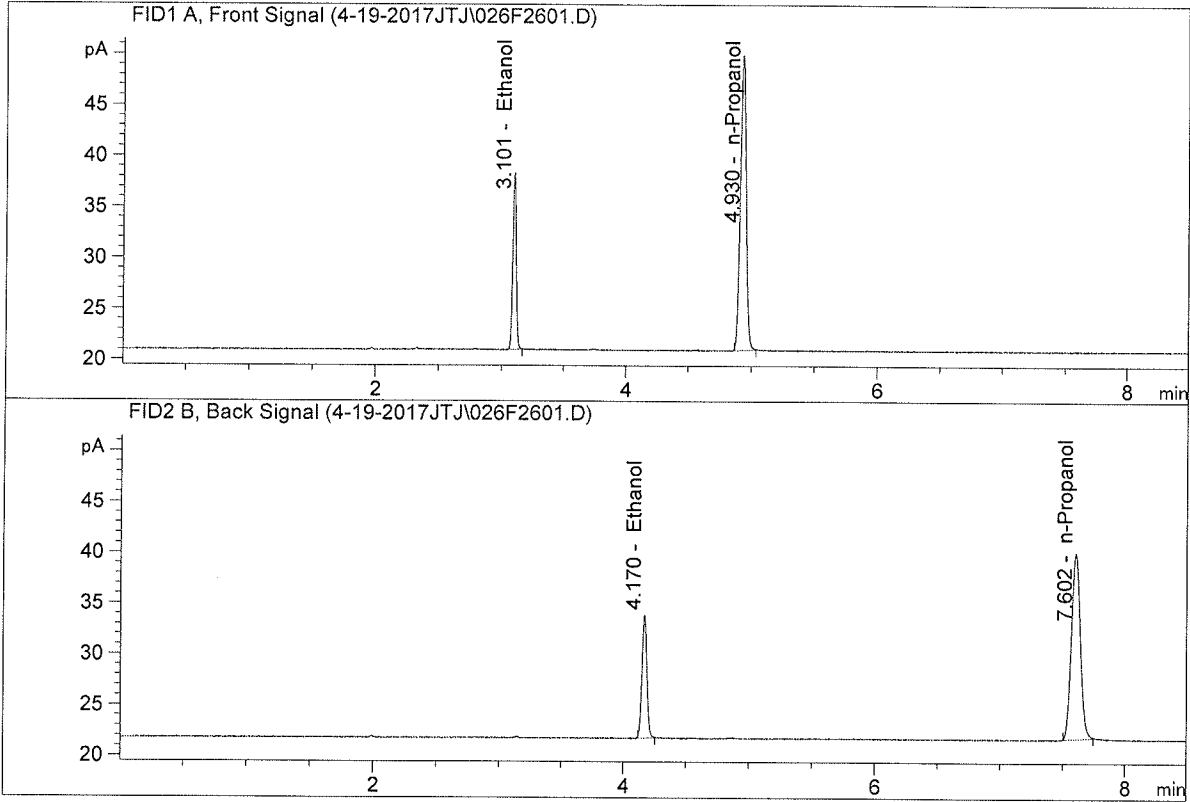
	Reported Result	
	0.195	

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

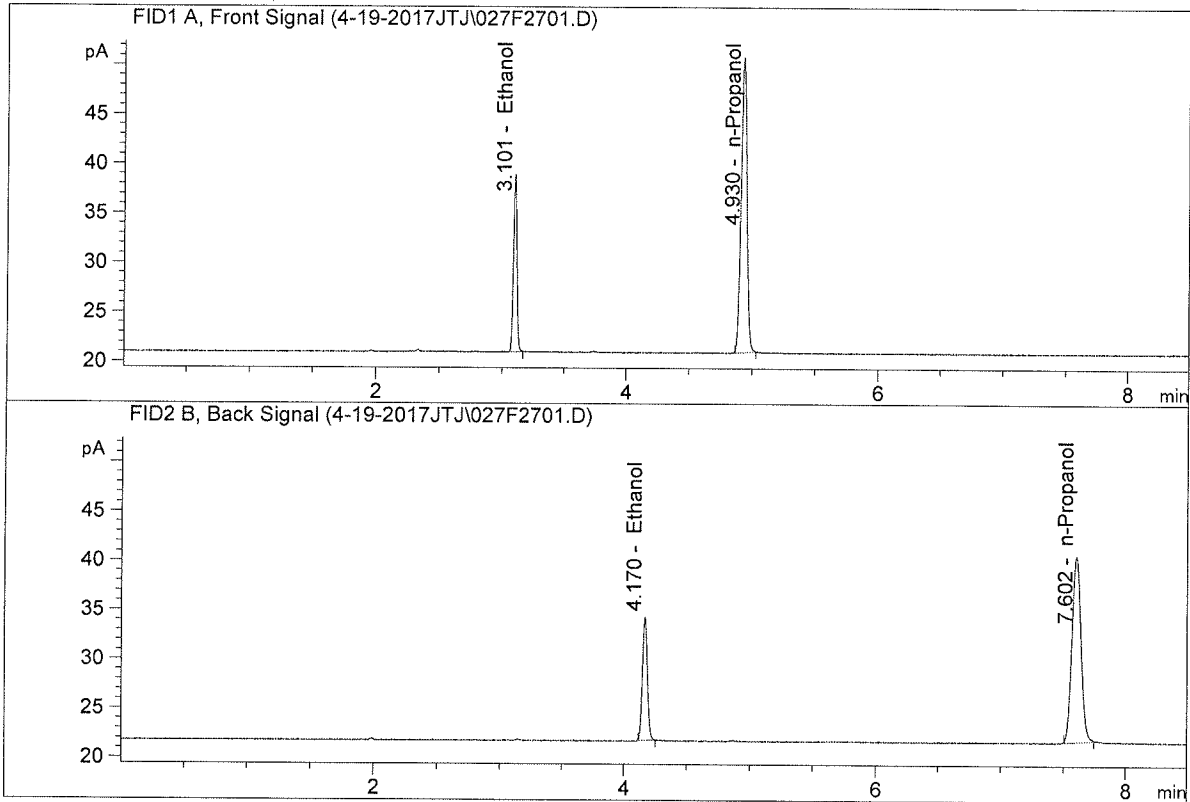


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.47231	0.1954	g/100cc
2.	Ethanol	Column 2:	33.07051	0.1946	g/100cc
3.	n-Propanol	Column 1:	94.04467	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.75755	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.62236	0.1961	g/100cc
2.	Ethanol	Column 2:	34.18501	0.1948	g/100cc
3.	n-Propanol	Column 1:	96.90591	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.79394	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1

Analysis Date(s): 19 Apr 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0771	0.0765	0.0006	0.0768	0.0767	
(g/100cc)	0.0772	0.0763	0.0009	0.0767		

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: MD-96GF641

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

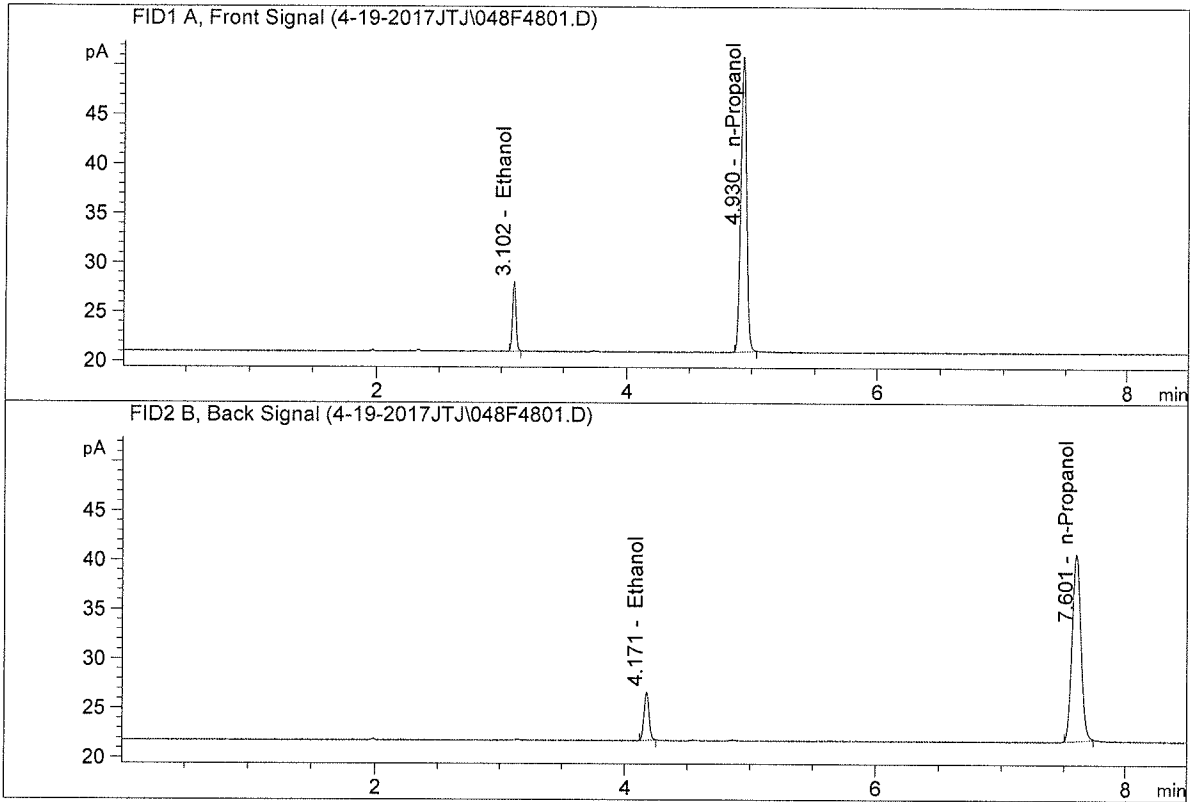
	Reported Result	
	0.076	

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

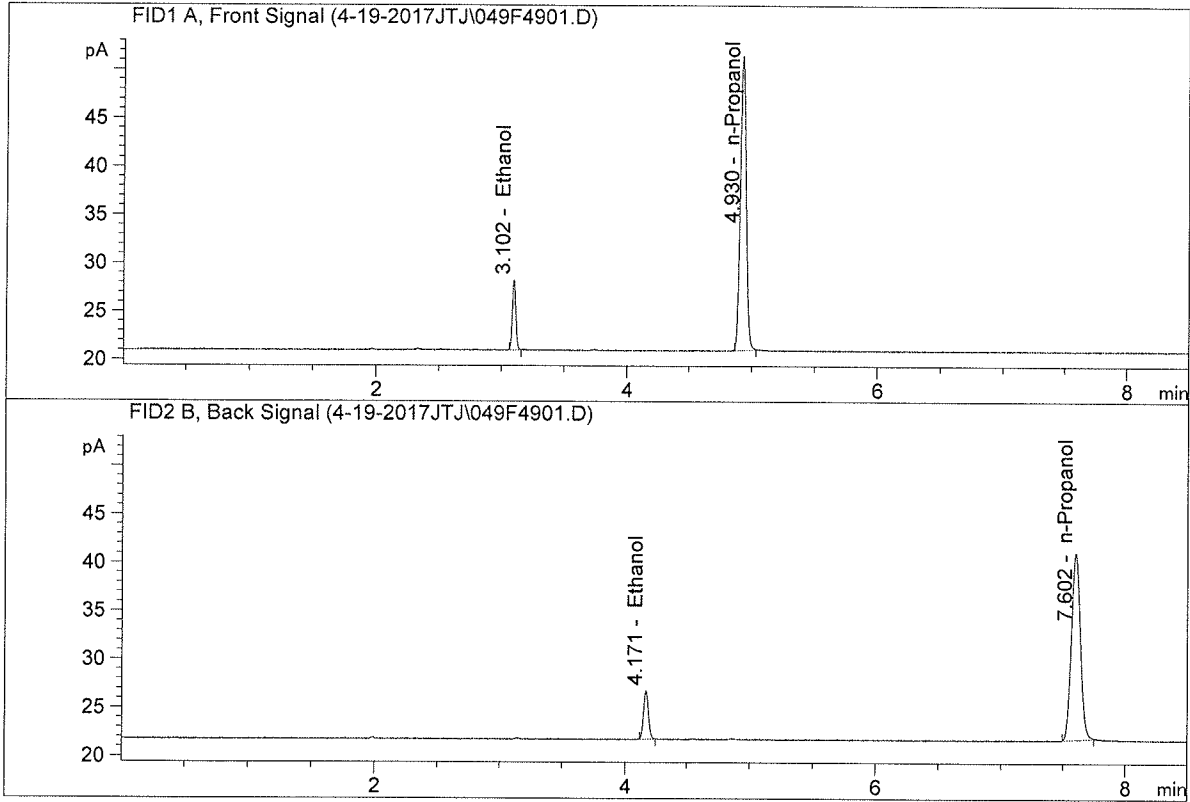


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.63986	0.0771	g/100cc
2.	Ethanol	Column 2:	13.43396	0.0765	g/100cc
3.	n-Propanol	Column 1:	97.08257	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.87348	1.0000	g/100cc

89

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.93798	0.0772	g/100cc
2.	Ethanol	Column 2:	13.72473	0.0763	g/100cc
3.	n-Propanol	Column 1:	99.07710	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.17445	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2

Analysis Date(s): 19 Apr 2017

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1963	0.1953	0.0010	0.1958	0.1963	
(g/100cc)	0.1973	0.1964	0.0009	0.1968		

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: MD-96GF641

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.196	0.186	0.206	0.010

	Reported Result	
	0.196	

Calibration and control data are stored centrally.

Issued: 12/30/2016

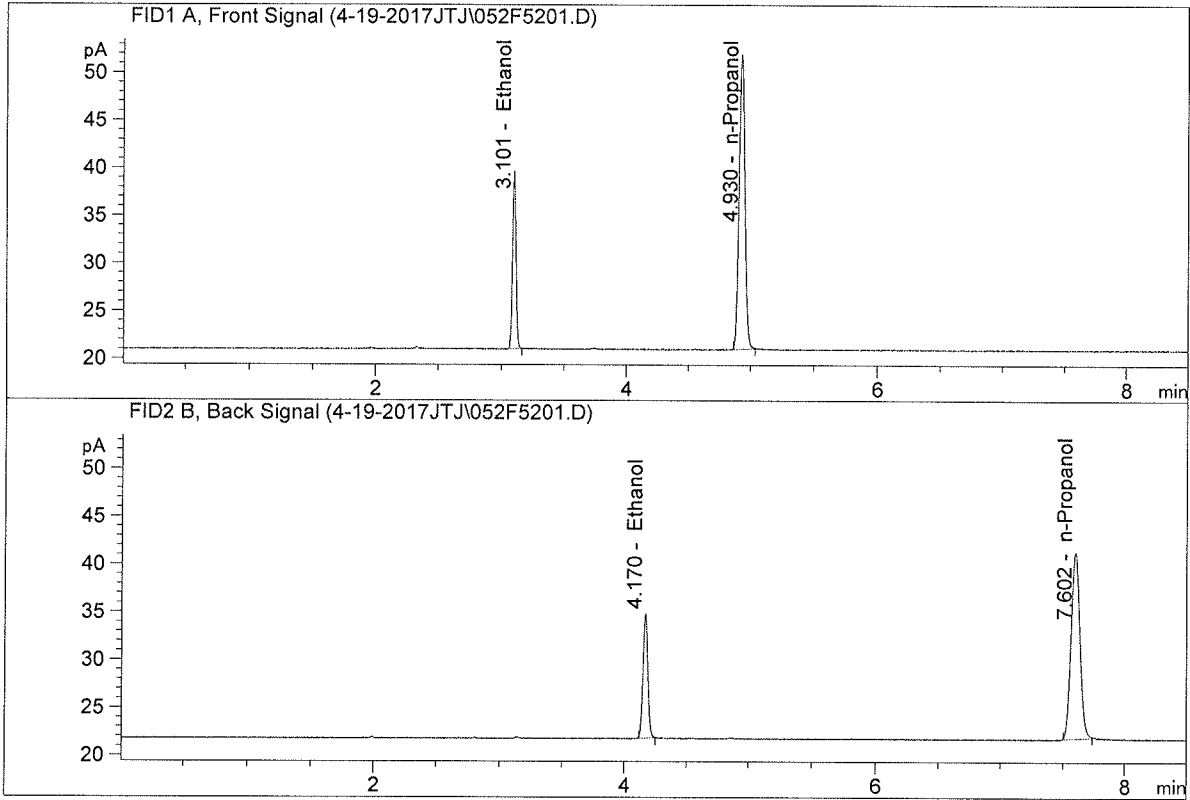
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

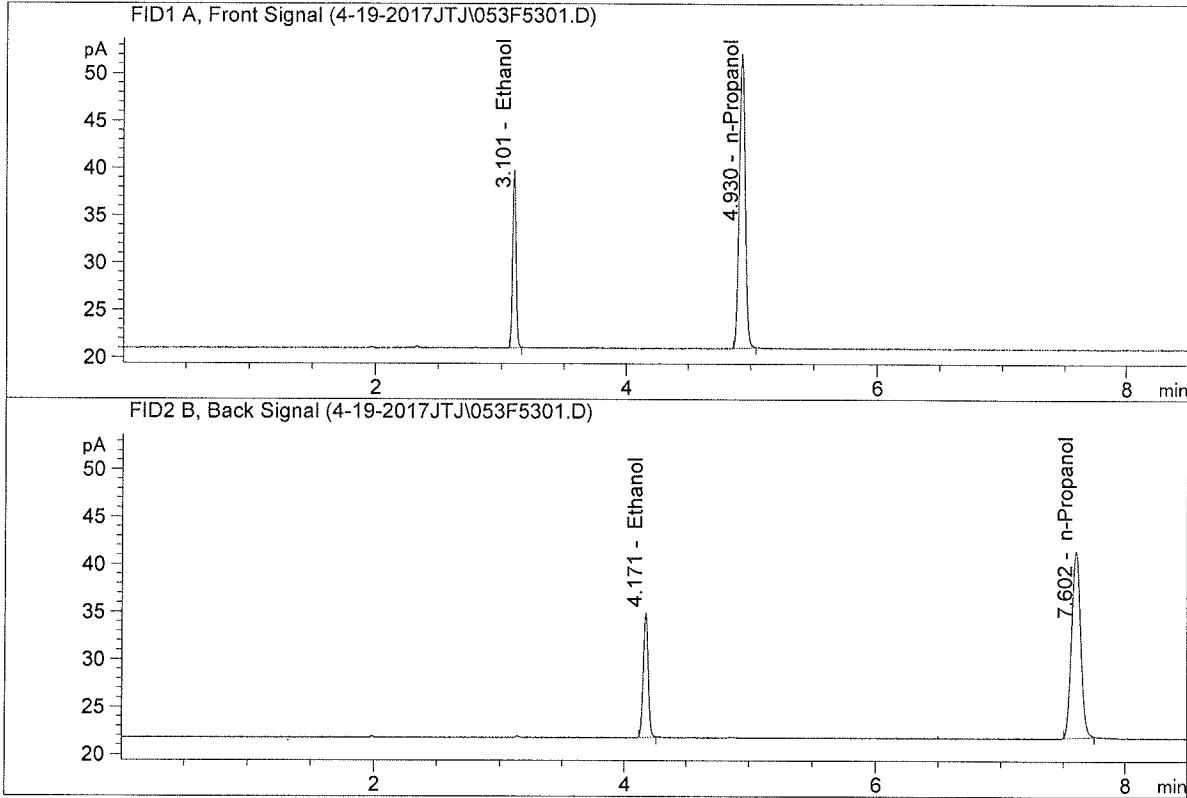


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.87258	0.1963	g/100cc
2.	Ethanol	Column 2:	35.44308	0.1953	g/100cc
3.	n-Propanol	Column 1:	100.32005	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.01096	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
 Laboratory : Coeur d' Alene
 Injection Date : Apr 19, 2017
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

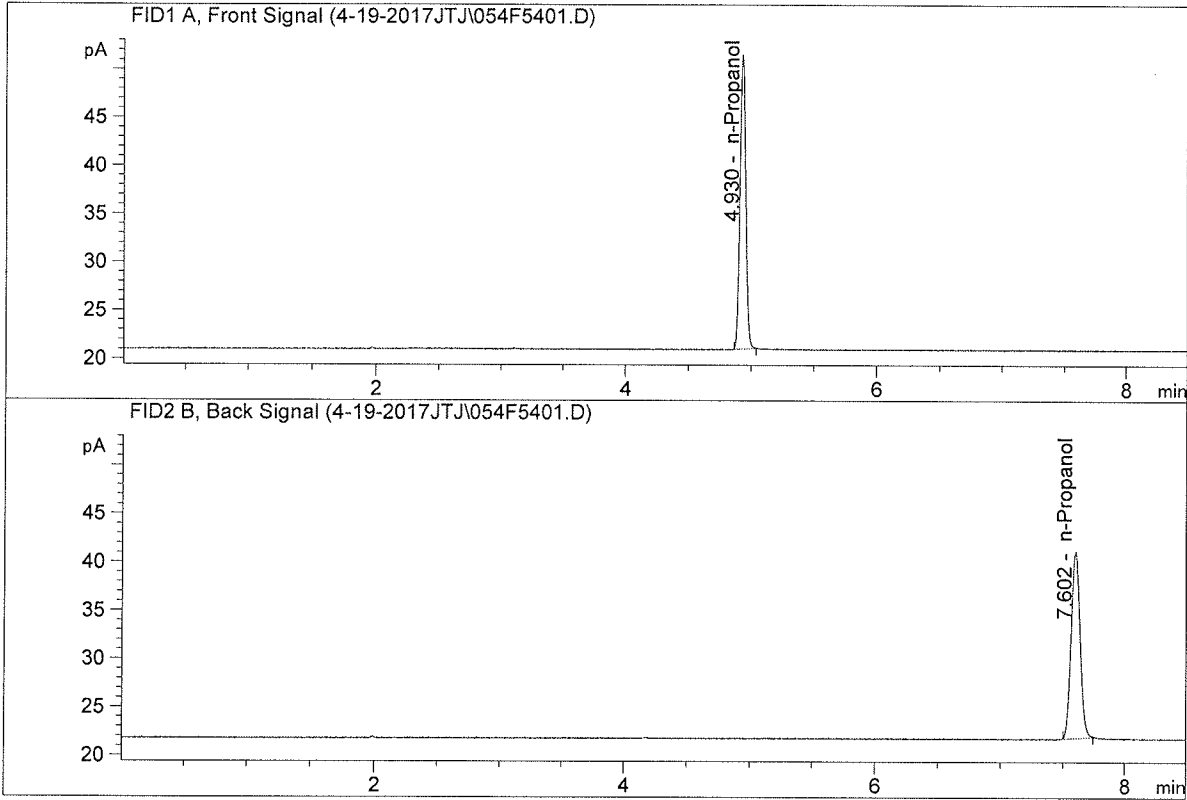


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.27003	0.1973	g/100cc
2.	Ethanol	Column 2:	35.92714	0.1964	g/100cc
3.	n-Propanol	Column 1:	100.93044	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.77882	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
 Laboratory : Coeur d' Alene
 Injection Date : Apr 20, 2017
 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:	99.13418	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.10838	1.0000	g/100cc