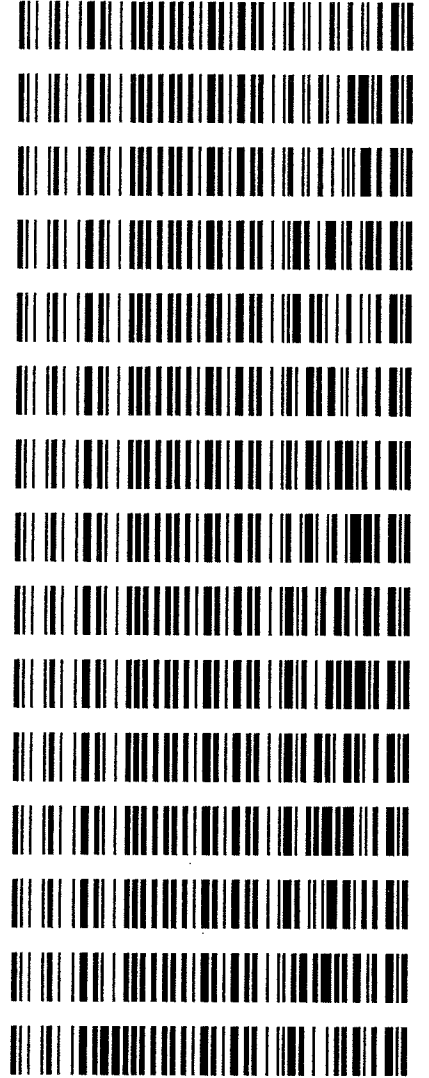


Worklist: 2560

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2018-1240	1	119770	Alcohol Analysis
C2018-1241	1	119771	Alcohol Analysis
C2018-1242	1	119774	Alcohol Analysis
C2018-1268	1	120265	Alcohol Analysis
C2018-1271	1	120365	Alcohol Analysis
C2018-1299	1	120551	Alcohol Analysis
C2018-1300	1	120554	Alcohol Analysis
C2018-1302	1	120639	Alcohol Analysis
C2018-1327	1	120884	Alcohol Analysis
C2018-1329	1	120887	Alcohol Analysis
C2018-1333	1	120895	Alcohol Analysis
C2018-1349	1	120999	Alcohol Analysis
C2018-1375	1	121130	Alcohol Analysis
C2018-1383	1	121199	Alcohol Analysis
P2018-1877	1	120249	Alcohol Analysis



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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

Run Date(s): 7/12/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0777 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1957 g/100cc
					0.1989 g/100cc
Multi-Component mixture: Sep-20					OK
Curve Fit:			Column 1	Lot #	Column 2
			1.00000	FN06041502	0.99999

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	0.0490	0.0489
0.080						0
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0998	0.0988
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1994	0.1989
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3015	0.3012
0.400						0
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4995	0.5000
						0.0005
						0.4997

Aqueous Controls						
Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results	
0.080	Nov-20	FN10281510	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

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_12.07.2018_04.13.52\7-12-2018.S
 Data directory path: C:\Chem32\1\Data\7-12-2018-JJ
 Logbook: C:\Chem32\1\Data\7-12-2018-JJ\7-12-2018.LOG
 Sequence start: 7/12/2018 4:27:39 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 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN10281510-	-	1.0000	007F0701.D		4
8	8	1	C2018-1240-1-A	-	1.0000	008F0801.D		6
9	9	1	C2018-1240-1-B	-	1.0000	009F0901.D		6
10	10	1	C2018-1241-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-1241-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-1242-1-A	-	1.0000	012F1201.D		4
13	13	1	C2018-1242-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-1268-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-1268-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-1271-1-A	-	1.0000	016F1601.D		4
17	17	1	C2018-1271-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-1299-1-A	-	1.0000	018F1801.D		2
19	19	1	C2018-1299-1-B	-	1.0000	019F1901.D		2
20	20	1	C2018-1300-1-A	-	1.0000	020F2001.D		2
21	21	1	C2018-1300-1-B	-	1.0000	021F2101.D		2
22	22	1	C2018-1302-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-1302-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-1327-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-1327-1-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	C2018-1329-1-A	-	1.0000	028F2801.D		2
29	29	1	C2018-1329-1-B	-	1.0000	029F2901.D		2
30	30	1	C2018-1333-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-1333-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-1349-1-A	-	1.0000	032F3201.D		4
33	33	1	C2018-1349-1-B	-	1.0000	033F3301.D		4
34	34	1	C2018-1375-1-A	-	1.0000	034F3401.D		4
35	35	1	C2018-1375-1-B	-	1.0000	035F3501.D		4
36	36	1	C2018-1383-1-A	-	1.0000	036F3601.D		2
37	37	1	C2018-1383-1-B	-	1.0000	037F3701.D		2
38	38	1	qc1-1801036-1-A	-	1.0000	038F3801.D		4
39	39	1	qc2-1803028-1-B	-	1.0000	039F3901.D		4
40	40	1	qc2-1803028-1-A	-	1.0000	040F4001.D		4
41	41	1	qc1-1801036-1-B	-	1.0000	041F4101.D		4
42	42	1	P2018-1877-1-A	-	1.0000	042F4201.D		2
43	43	1	P2018-1877-1-B	-	1.0000	043F4301.D		2
44	44	1	QC-2-A	-	1.0000	044F4401.D		4
45	45	1	QC-2-B	-	1.0000	045F4501.D		4
46	46	1	ISTD BLANK	-	1.0000	046F4601.D		2

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Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
47	47	1	water	-	1.0000	047F4701.D	0

99

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Calibration Table
=====

General Calibration Setting

Calib. Data Modified : Thursday, July 12, 2018 4:01:58 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 [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

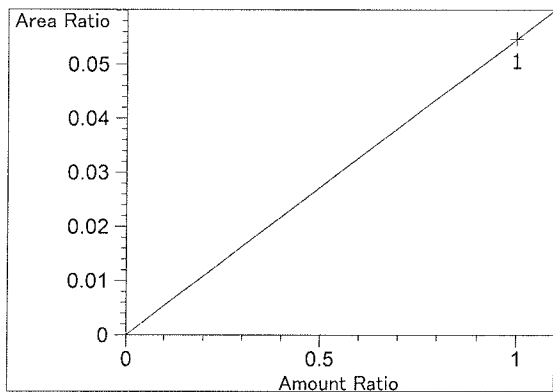
99

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
3.105	1	1	5.00000e-2	8.22885	6.07619e-3	No	No 1	Ethanol
	2	1	1.00000e-1	17.04515	5.86677e-3			
	3	2	2.00000e-1	35.69992	5.60225e-3			
	4	3	3.00000e-1	51.72968	5.79938e-3			
	5	5	5.00000e-1	85.79845	5.82761e-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	8.27333	6.04351e-3	No	No 2	Ethanol
	2	1	1.00000e-1	16.96762	5.89358e-3			
	3	2	2.00000e-1	35.70763	5.60104e-3			
	4	3	3.00000e-1	51.70049	5.80265e-3			
	5	5	5.00000e-1	85.82817	5.82559e-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
4.937	1	1	1.00000	92.40220	1.08223e-2	No	Yes 1	n-Propanol
	2	1	1.00000	94.00800	1.06374e-2			
	3	1	1.00000	98.54576	1.01476e-2			
	4	1	1.00000	94.45322	1.05873e-2			
	5	1	1.00000	94.56126	1.05752e-2			
7.614	2	1	1.00000	91.48071	1.09313e-2	No	Yes 2	n-Propanol
	2	1	1.00000	92.84087	1.07711e-2			
	3	1	1.00000	97.10442	1.02982e-2			
	4	1	1.00000	92.82099	1.07734e-2			
	5	1	1.00000	92.83036	1.07723e-2			

Peak Sum Table

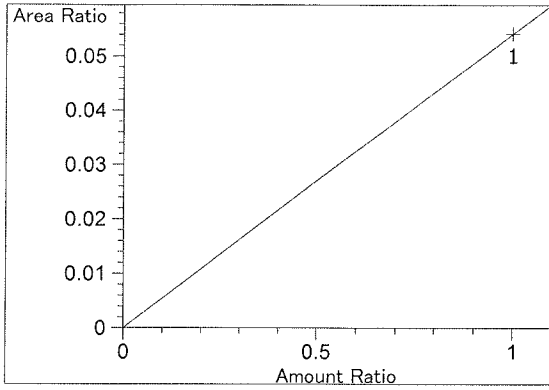
No Entries in table

Calibration Curves

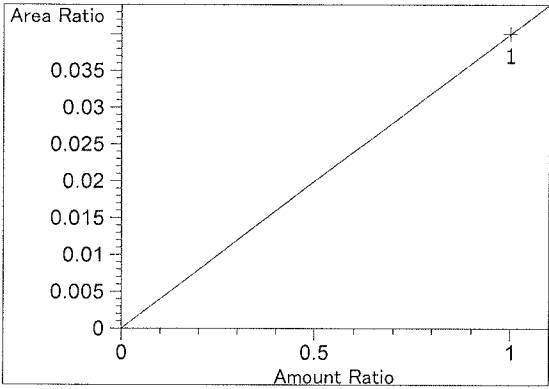


Difluoroethane at exp. RT: 2.000
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 5.46563e-2
 x: Amount Ratio
 y: Area Ratio

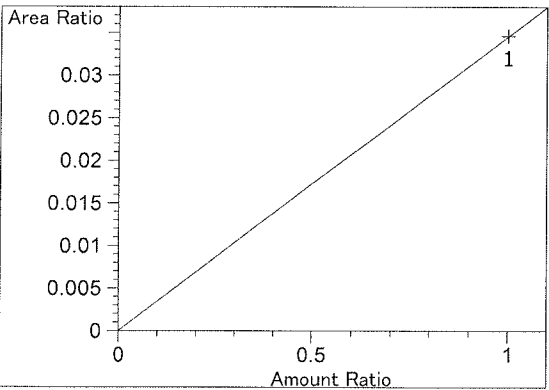
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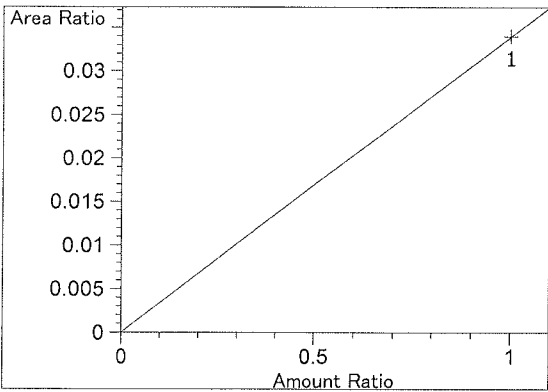
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 5.41113e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 4.00066e-2
x: Amount Ratio
y: Area Ratio

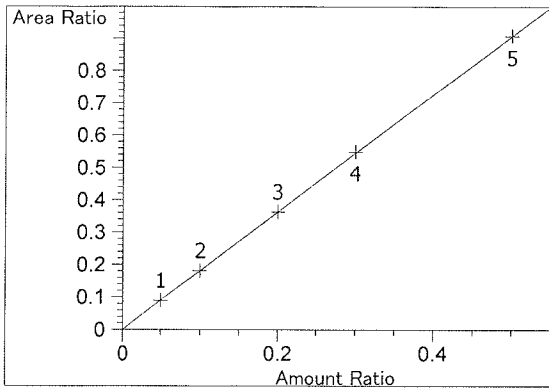


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.45566e-2
x: Amount Ratio
y: Area Ratio

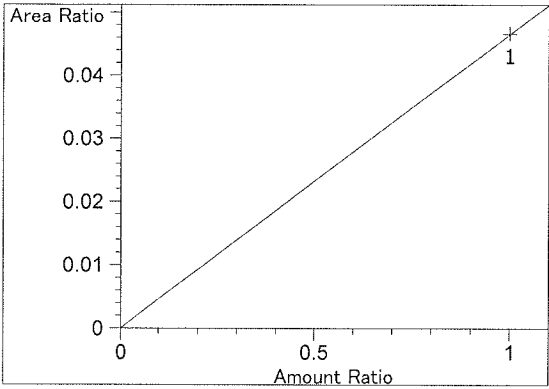


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.39498e-2
x: Amount Ratio
y: Area Ratio

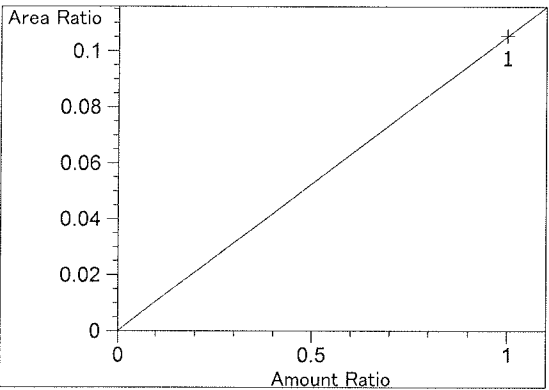
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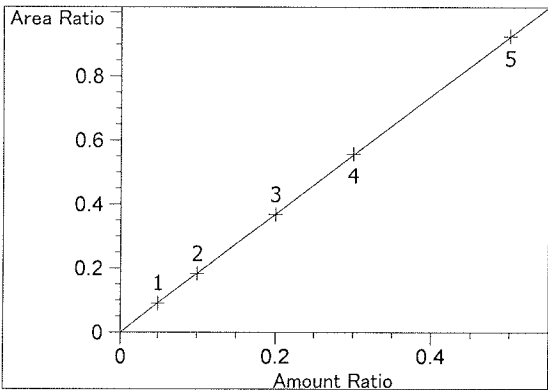
Ethanol at exp. RT: 3.105
 FID1 A, Front Signal
 Correlation: 1.00000 ✓
 Residual Std. Dev.: 0.00177
 Formula: $y = mx$
 m: 1.81658
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.211
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 4.65740e-2
 x: Amount Ratio
 y: Area Ratio

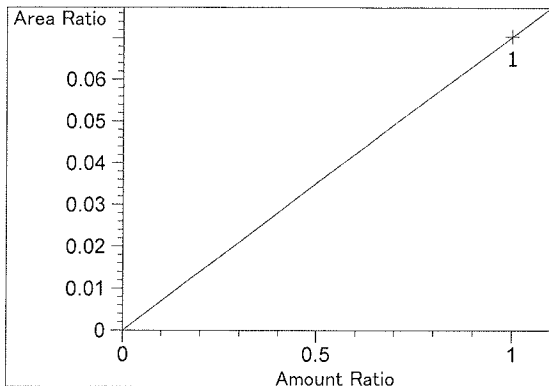


Isopropyl alcohol at exp. RT: 3.715
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.05307e-1
 x: Amount Ratio
 y: Area Ratio

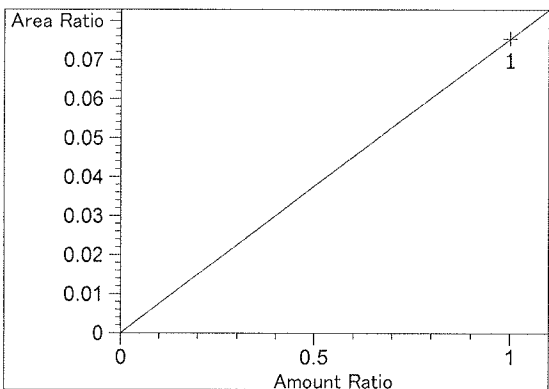


Ethanol at exp. RT: 4.176
 FID2 B, Back Signal
 Correlation: 0.99999 ✓
 Residual Std. Dev.: 0.00213
 Formula: $y = mx$
 m: 1.84898
 x: Amount Ratio
 y: Area Ratio

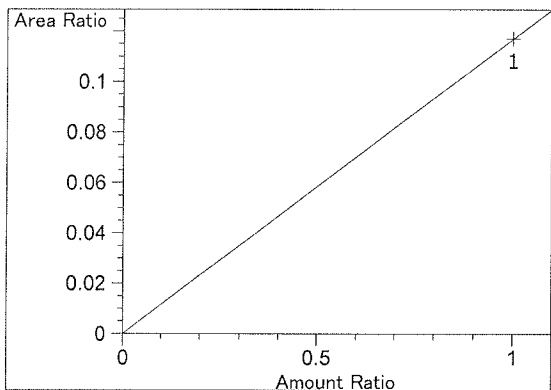
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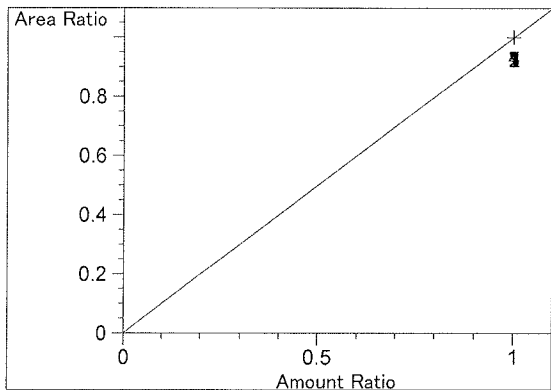
Acetone at exp. RT: 4.530
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.03382e-2
 x: Amount Ratio
 y: Area Ratio



Acetone at exp. RT: 4.549
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.53493e-2
 x: Amount Ratio
 y: Area Ratio

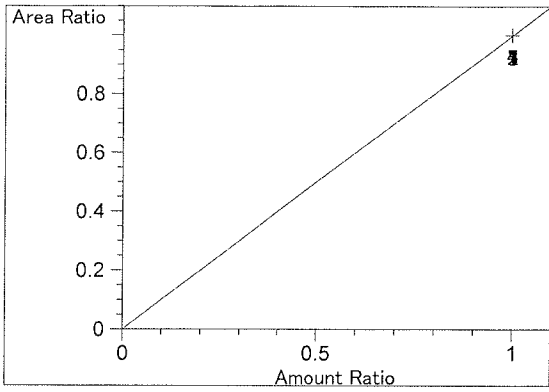


Isopropyl alcohol at exp. RT: 4.870
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.17035e-1
 x: Amount Ratio
 y: Area Ratio



n-Propanol at exp. RT: 4.937
 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: 7.614
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio

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99

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

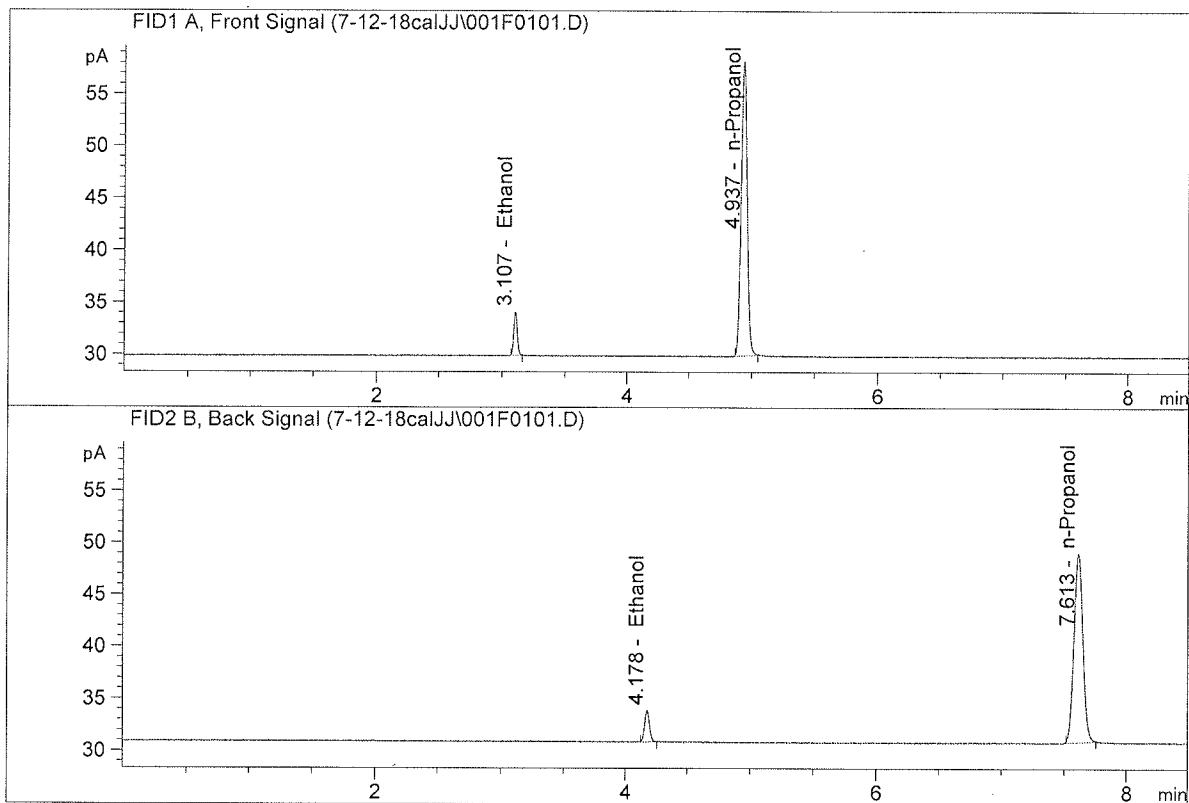
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_12.07.2018_01.59.06\7-12-18cal.S
 Data directory path: C:\Chem32\1\Data\7-12-18calJJ
 Logbook: C:\Chem32\1\Data\7-12-18calJJ\7-12-18cal.LOG
 Sequence start: 7/12/2018 2:12:49 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

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 : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

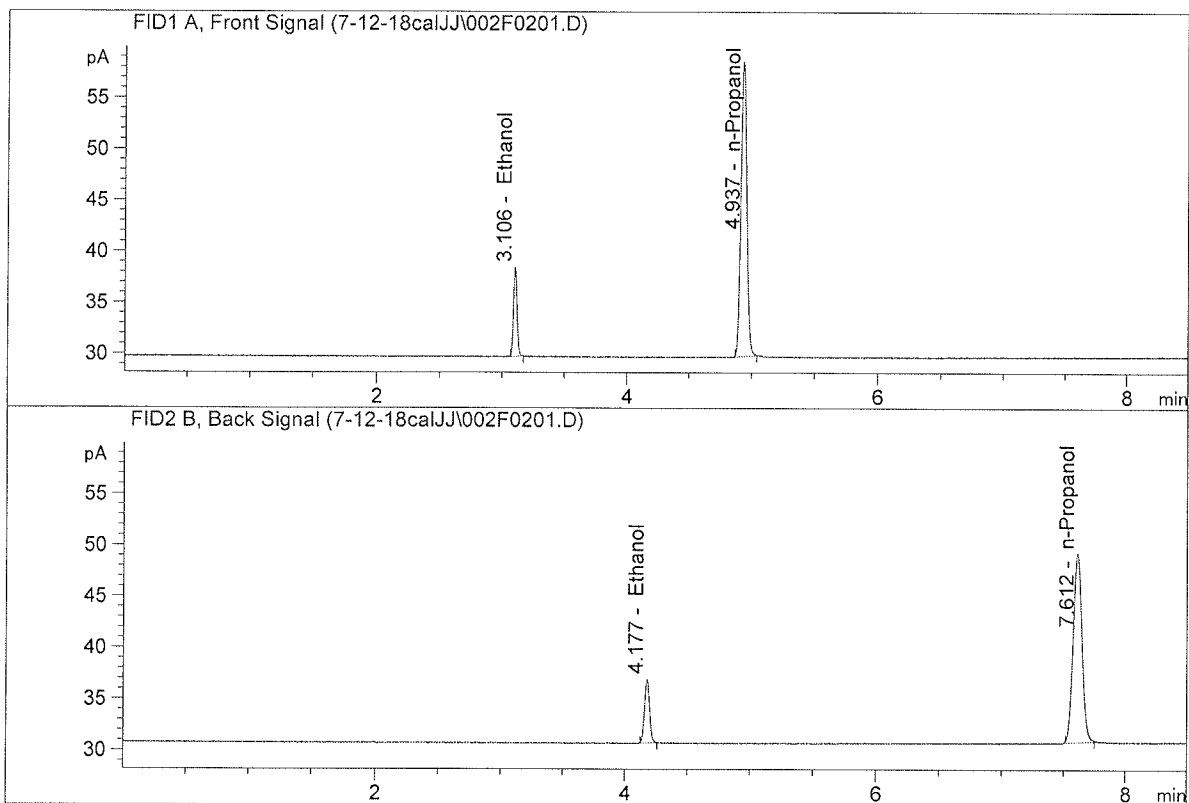


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.22885	0.0490	g/100cc
2.	Ethanol	Column 2:	8.27333	0.0489	g/100cc
3.	n-Propanol	Column 1:	92.40220	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.48071	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

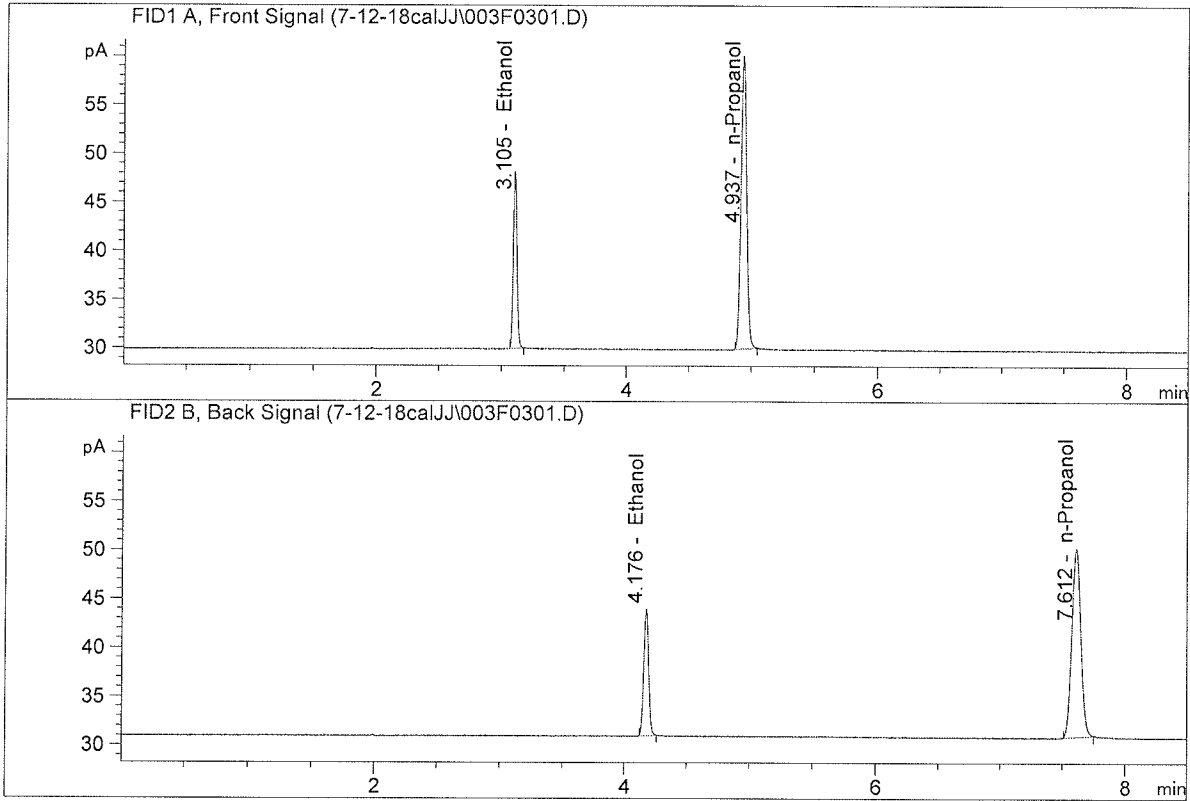


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.04515	0.0998	g/100cc
2.	Ethanol	Column 2:	16.96762	0.0988	g/100cc
3.	n-Propanol	Column 1:	94.00800	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.84087	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

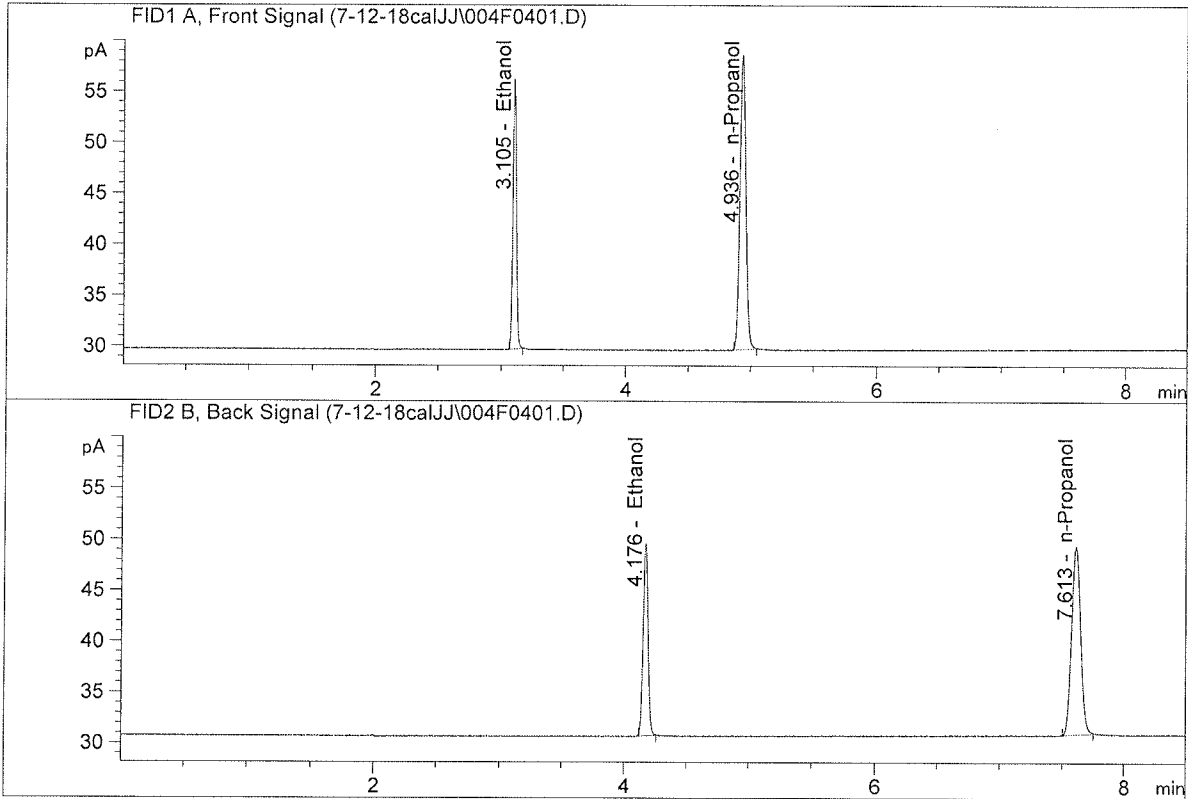


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.69992	0.1994	g/100cc
2.	Ethanol	Column 2:	35.70763	0.1989	g/100cc
3.	n-Propanol	Column 1:	98.54576	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.10442	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

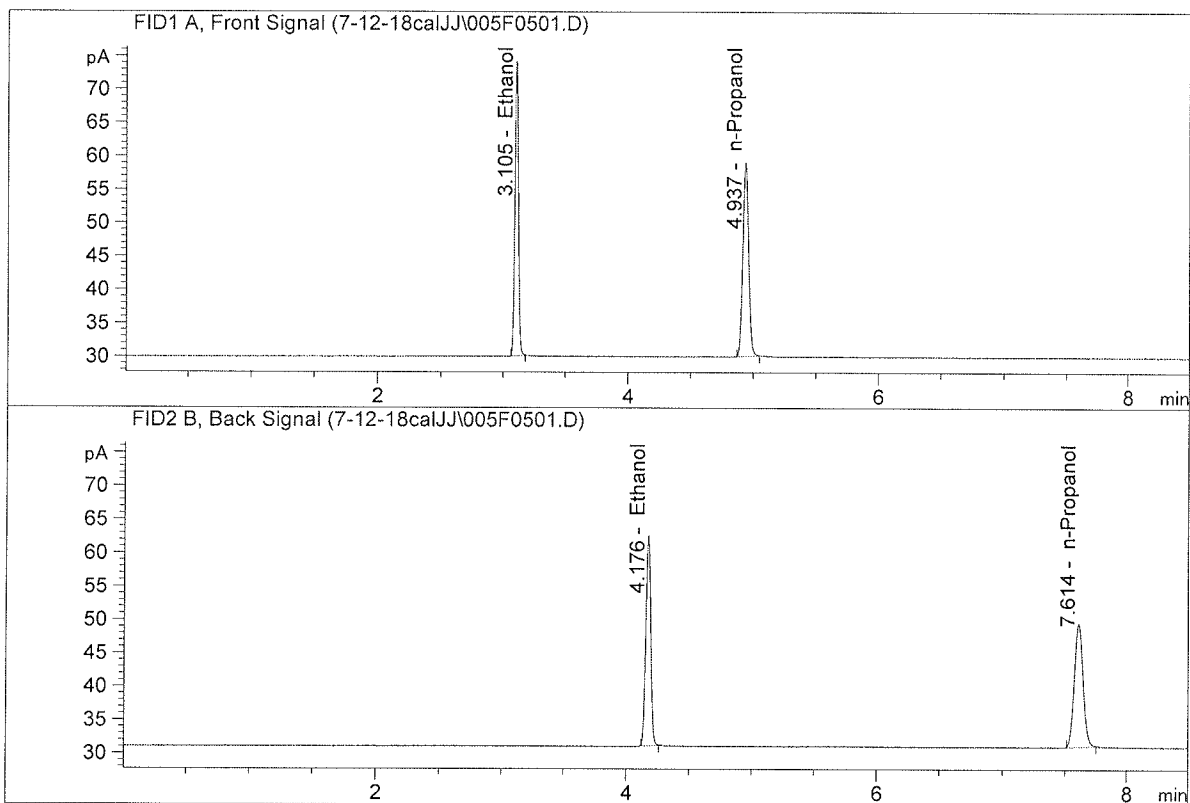


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.72968	0.3015	g/100cc
2.	Ethanol	Column 2:	51.70049	0.3012	g/100cc
3.	n-Propanol	Column 1:	94.45322	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.82099	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

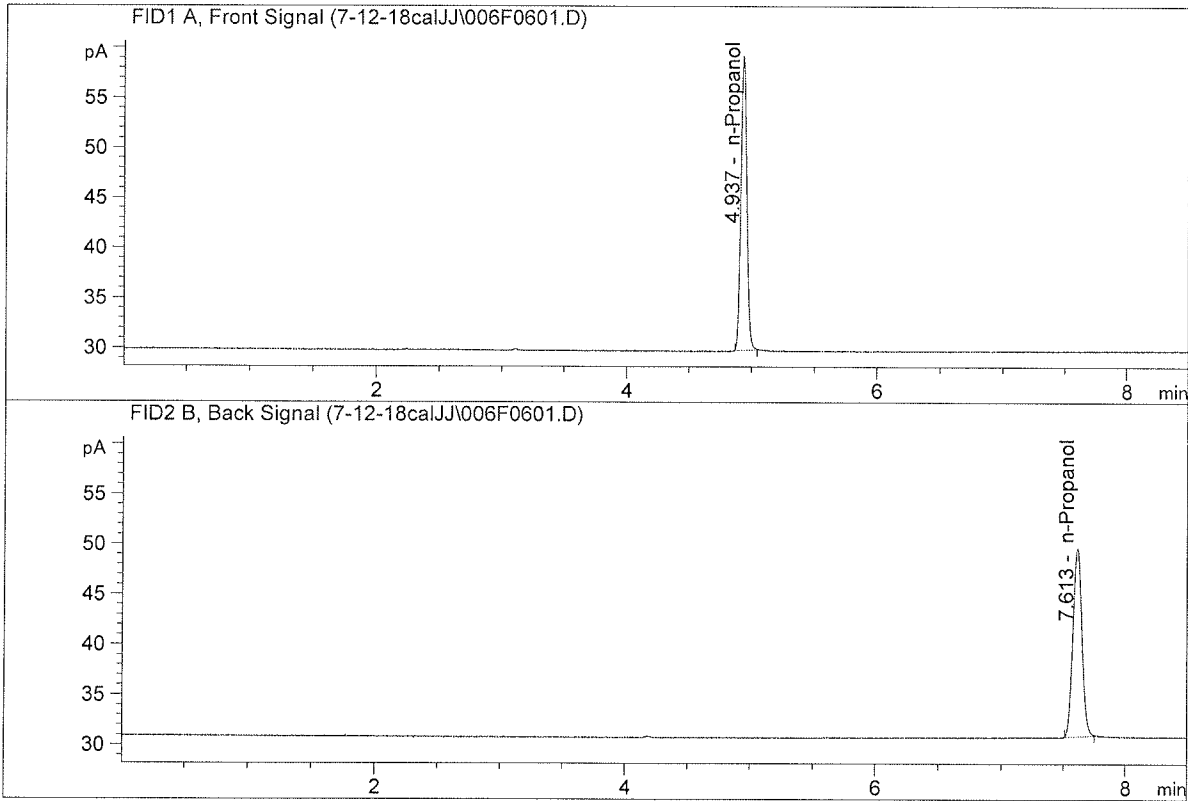


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	85.79845	0.4995	g/100cc
2.	Ethanol	Column 2:	85.82817	0.5000	g/100cc
3.	n-Propanol	Column 1:	94.56126	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.83036	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : blank
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

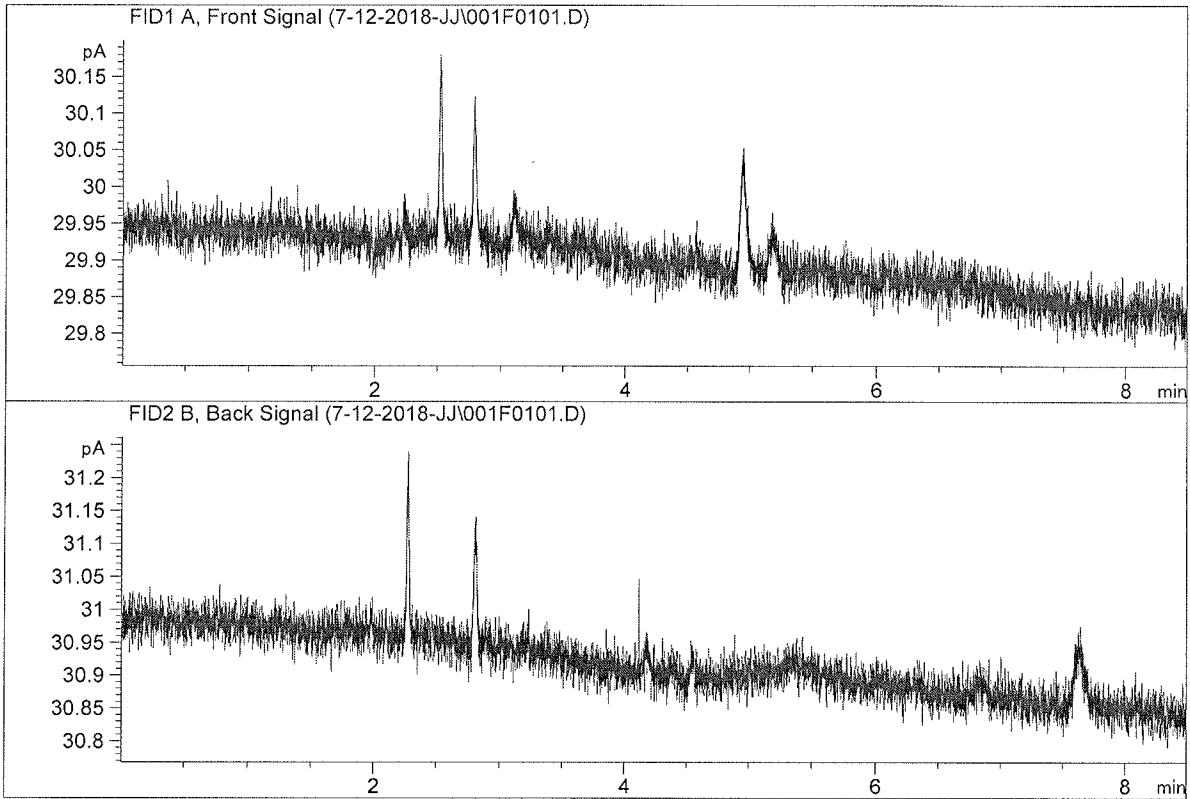


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	96.10372	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.71108	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

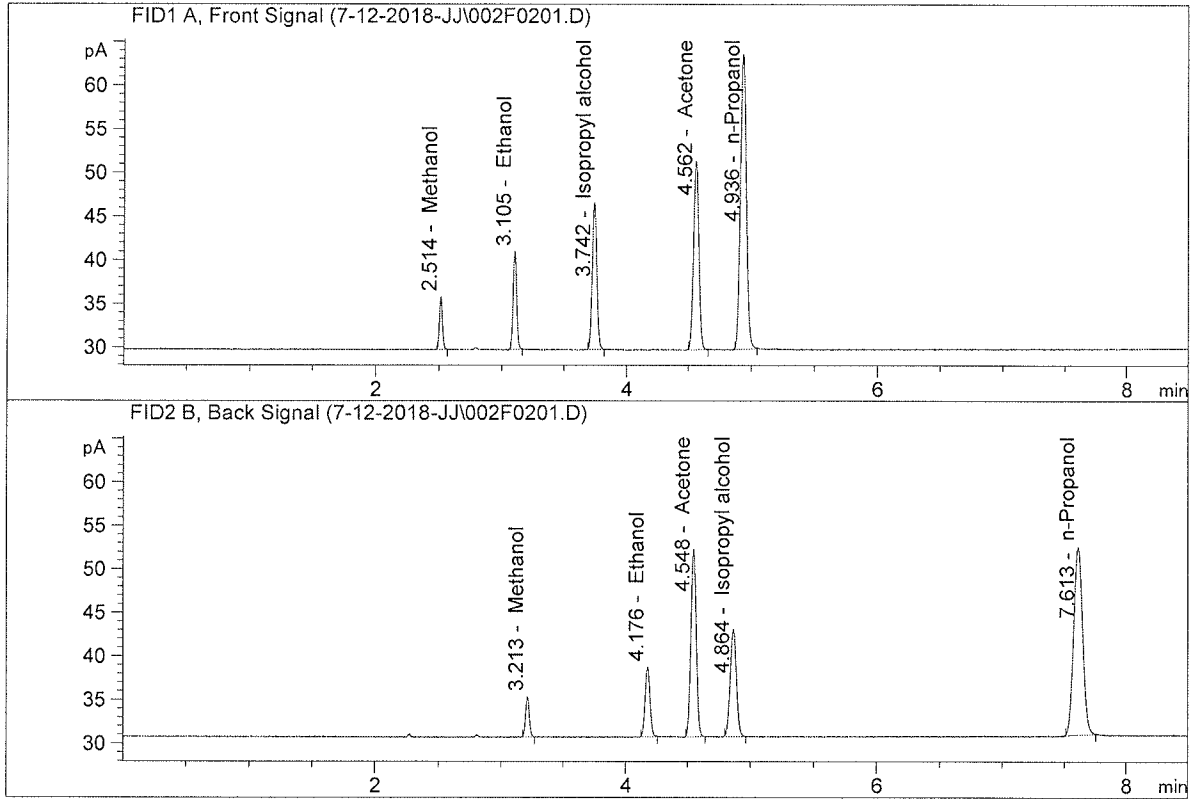


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

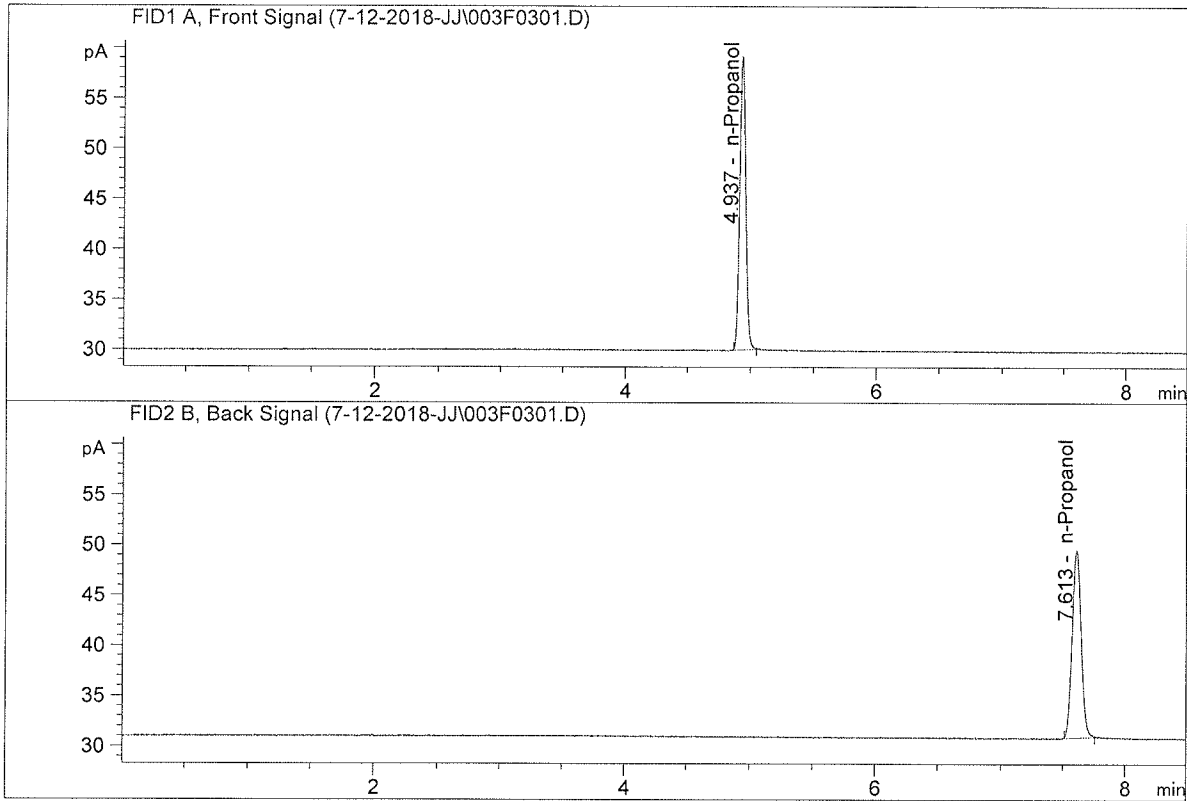
Sample Name : VOL MIX FN-06041502
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.04052	0.1097	g/100cc
2.	Ethanol	Column 2:	22.07406	0.1096	g/100cc
3.	n-Propanol	Column 1:	110.58633	1.0000	g/100cc
4.	n-Propanol	Column 2:	108.93227	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	95.23565	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.96461	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2

Analysis Date(s): 12 Jul 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1957	0.1953	0.0004	0.1955	0.1957	
(g/100cc)	0.1959	0.1960	0.0001	0.1959		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

Issued: 12/30/2016

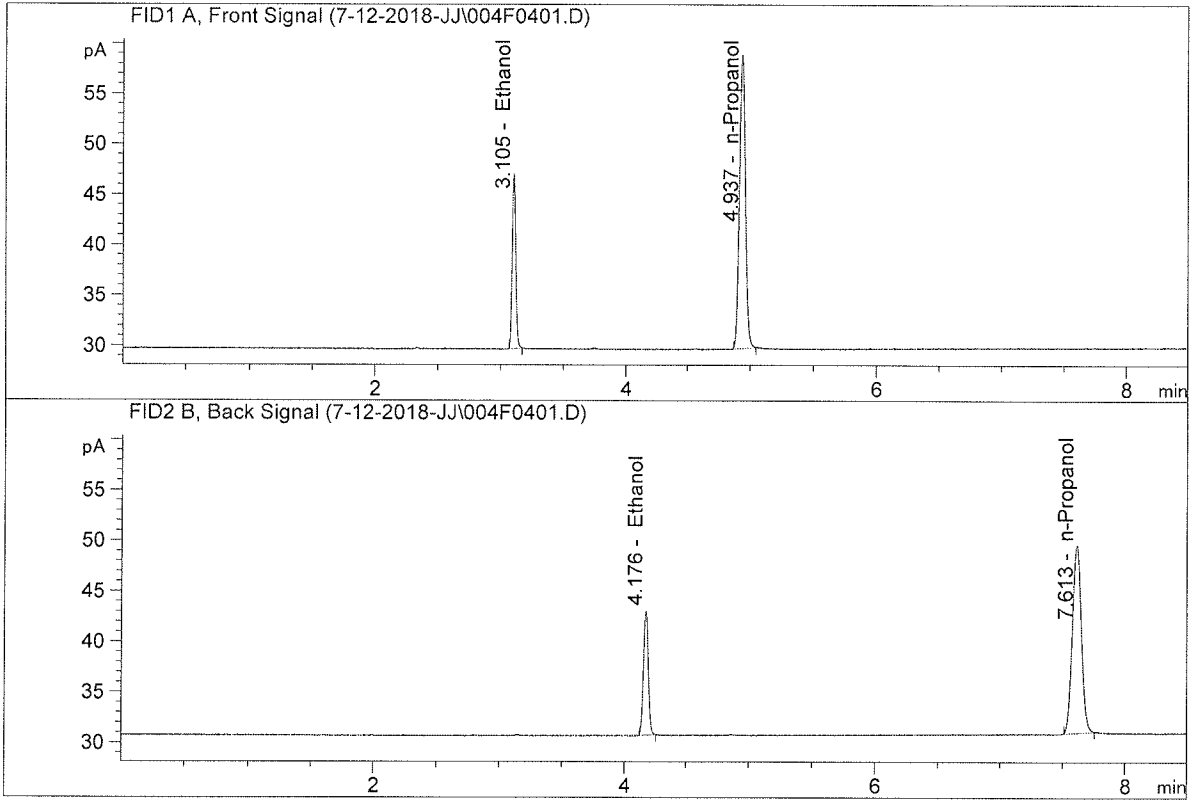
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

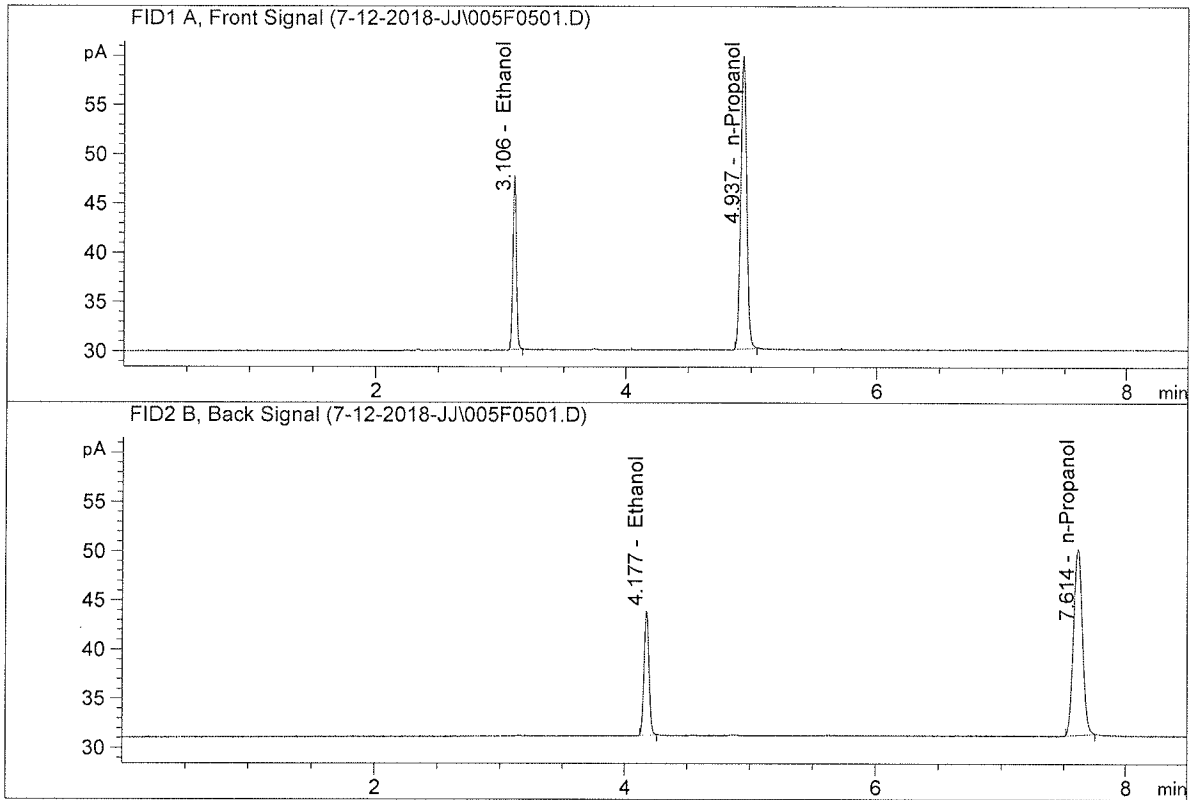
Sample Name : QC-2-A
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument : CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.89983	0.1957	g/100cc
2.	Ethanol	Column 2:	33.81263	0.1953	g/100cc
3.	n-Propanol	Column 1:	95.36844	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.63021	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.56029	0.1959	g/100cc
2.	Ethanol	Column 2:	34.57343	0.1960	g/100cc
3.	n-Propanol	Column 1:	97.13018	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.39285	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510

Analysis Date(s): 12 Jul 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0805	0.0800	0.0005	0.0802	0.0799	
(g/100cc)	0.0796	0.0796	0.0000	0.0796		

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
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Issued: 12/30/2016

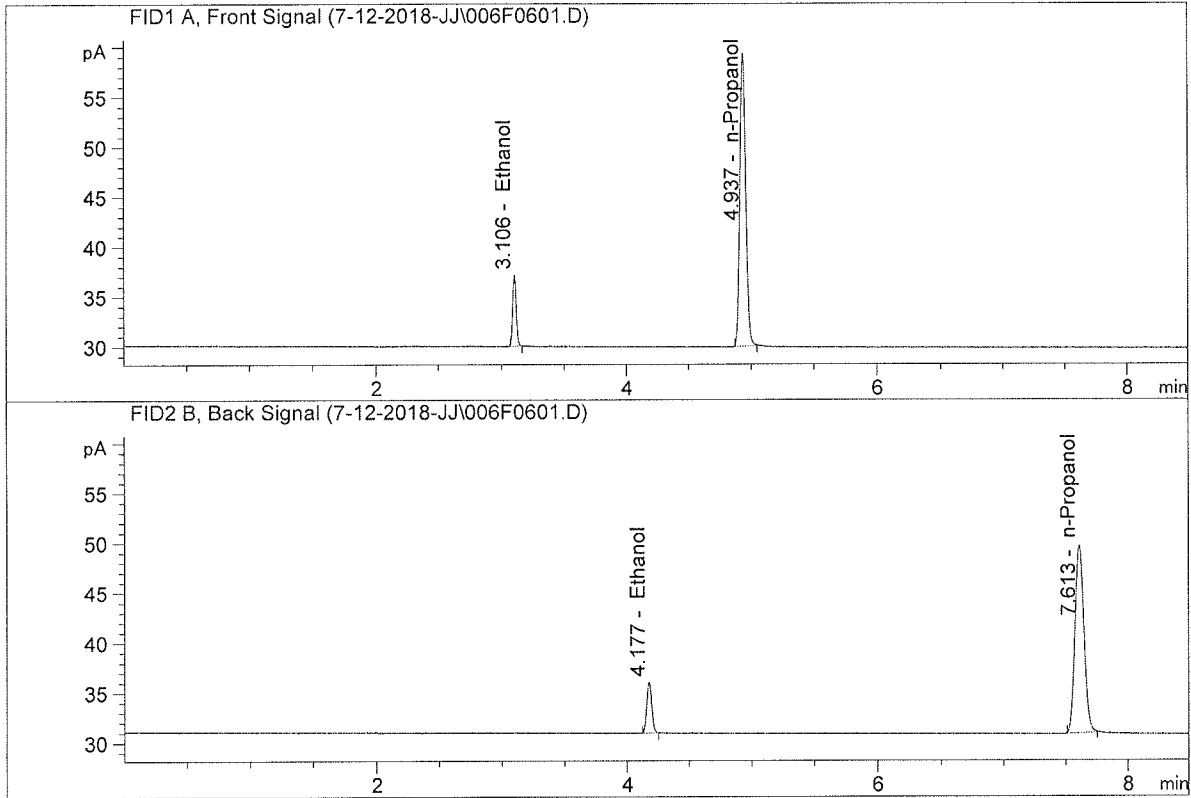
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

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ISP Forensic Services Blood Alcohol Report

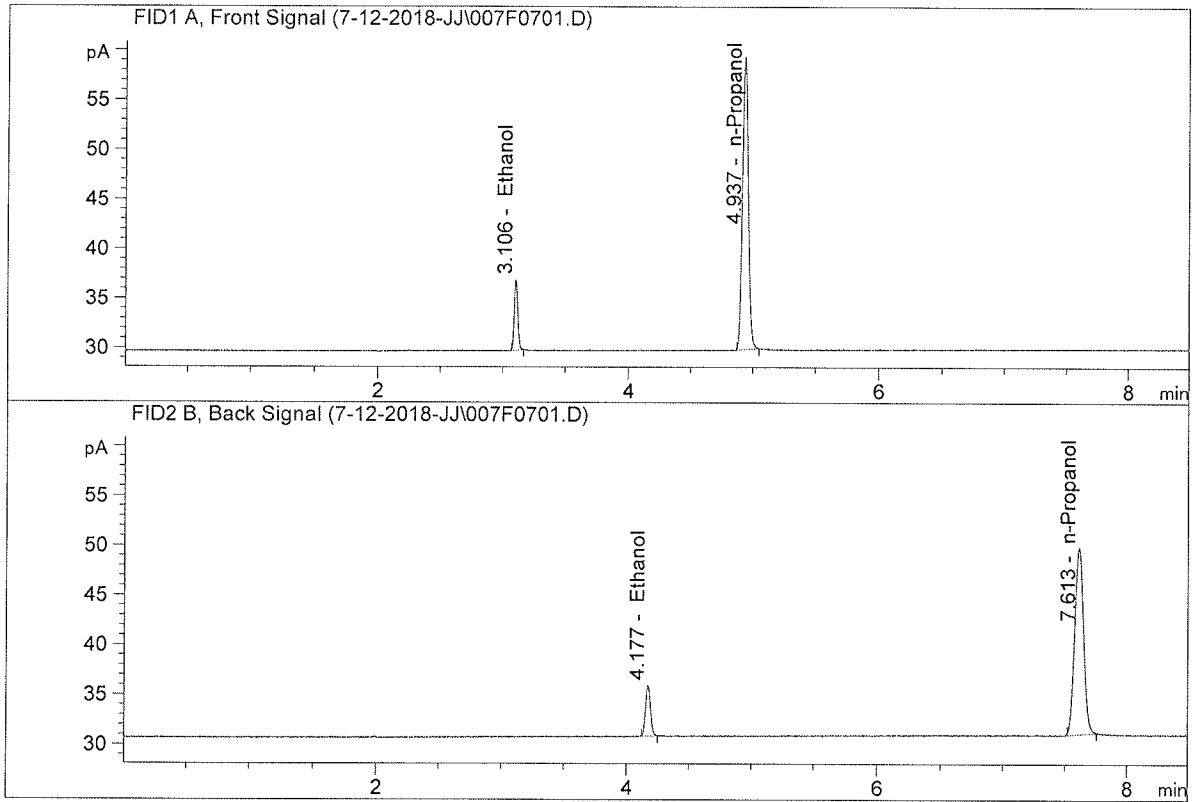
Sample Name : 0.08 FN10281510-A
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.02525	0.0805	g/100cc
2.	Ethanol	Column 2:	13.94604	0.0800	g/100cc
3.	n-Propanol	Column 1:	95.86481	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.24579	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.95424	0.0796	g/100cc
2.	Ethanol	Column 2:	13.95098	0.0796	g/100cc
3.	n-Propanol	Column 1:	96.45906	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.73273	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1

Analysis Date(s): 12 Jul 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0779	0.0778	0.0001	0.0778	0.0777	
(g/100cc)	0.0776	0.0776	0.0000	0.0776		

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
0.077	0.073	0.081	0.004

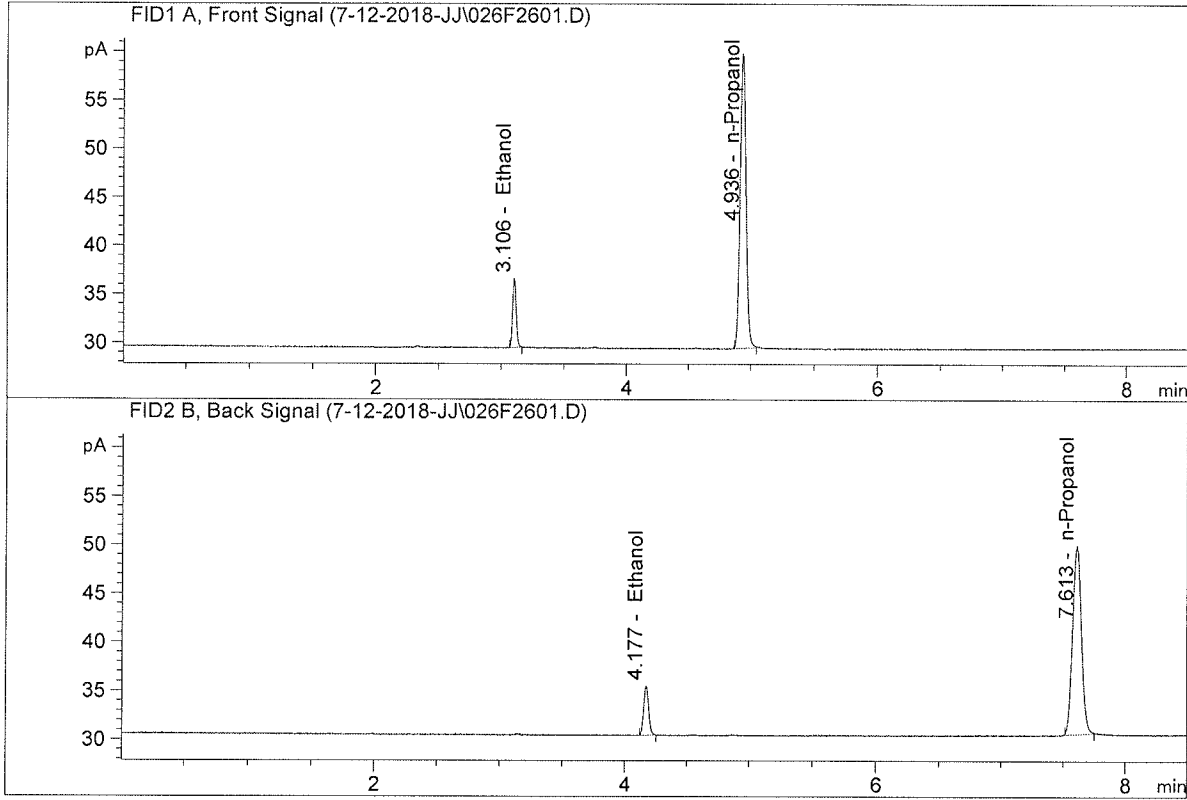
	Reported Result	
	0.077	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

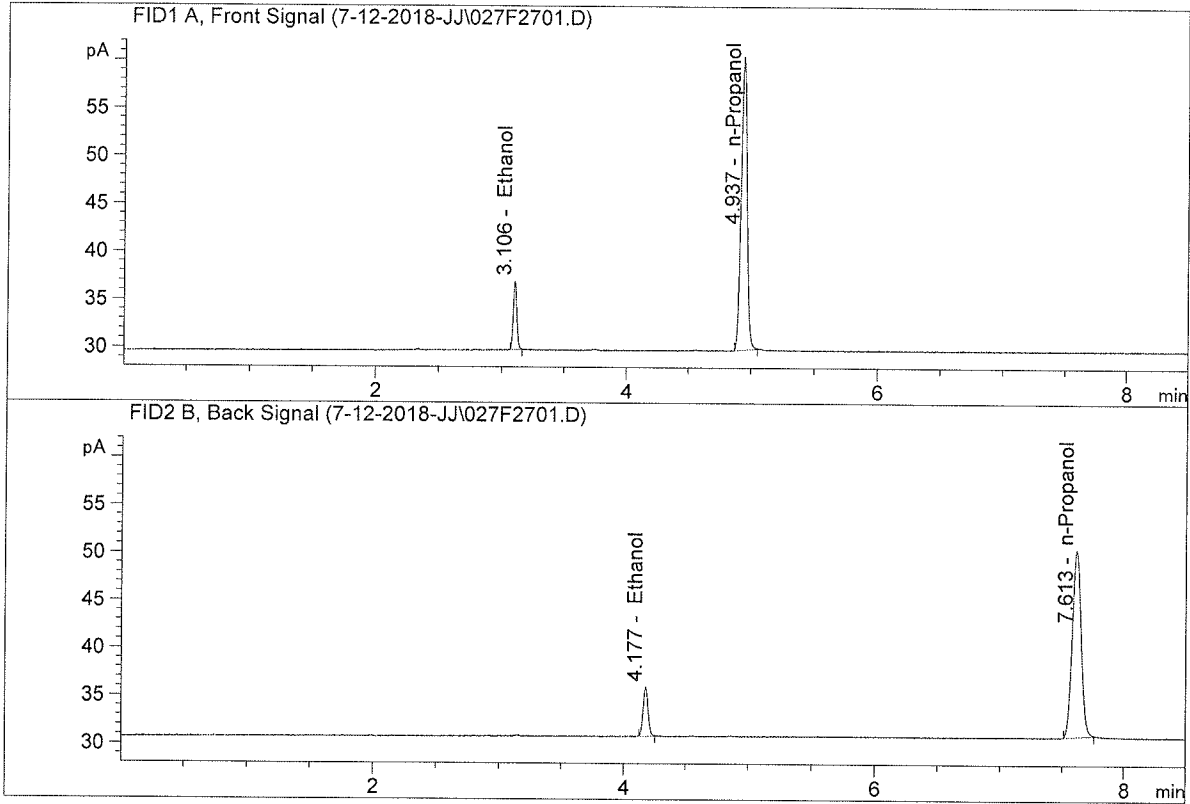


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.04541	0.0779	g/100cc
2.	Ethanol	Column 2:	14.03946	0.0778	g/100cc
3.	n-Propanol	Column 1:	99.27316	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.58932	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
 Laboratory : Coeur d' Alene
 Injection Date : Jul 12, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.10898	0.0776	g/100cc
2.	Ethanol	Column 2:	14.13905	0.0776	g/100cc
3.	n-Propanol	Column 1:	100.13097	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.52753	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2

Analysis Date(s): 13 Jul 2018

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1987	0.1990	0.0003	0.1988	0.1989	
(g/100cc)	0.1990	0.1989	0.0001	0.1989		

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

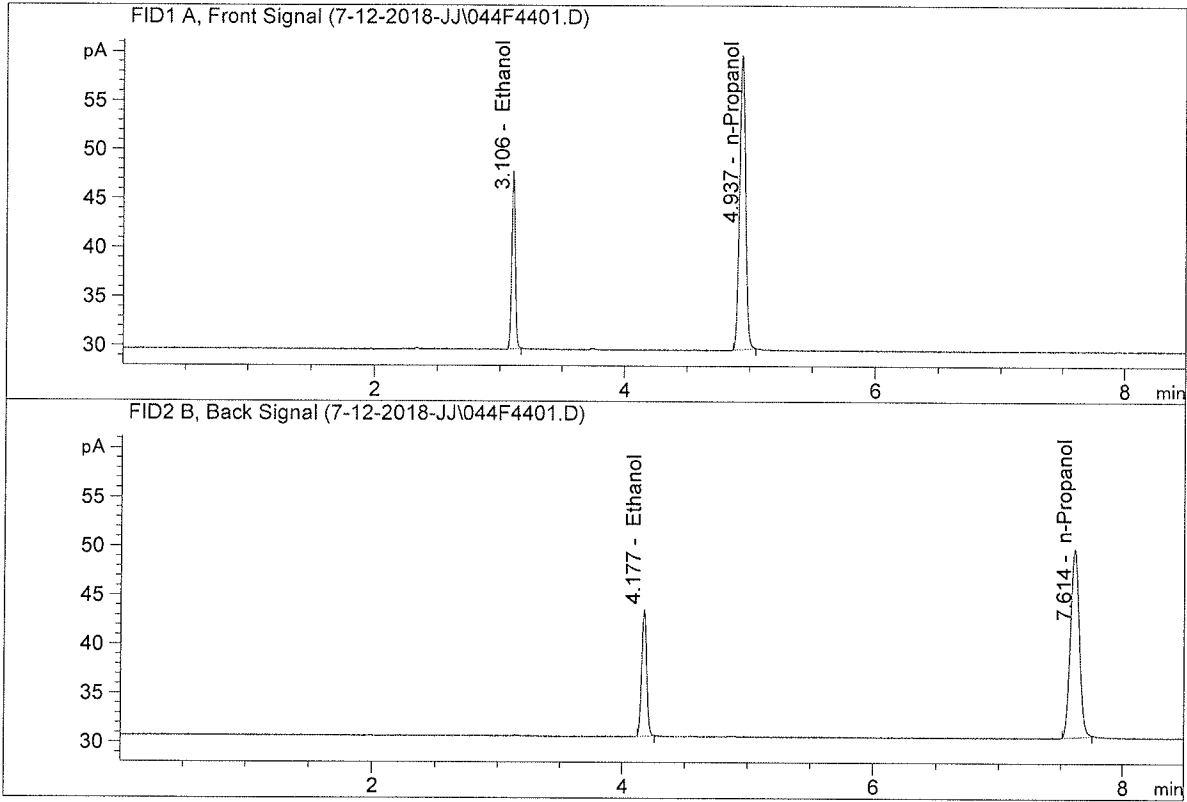
	Reported Result	
	0.198	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
 Laboratory : Coeur d' Alene
 Injection Date : Jul 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

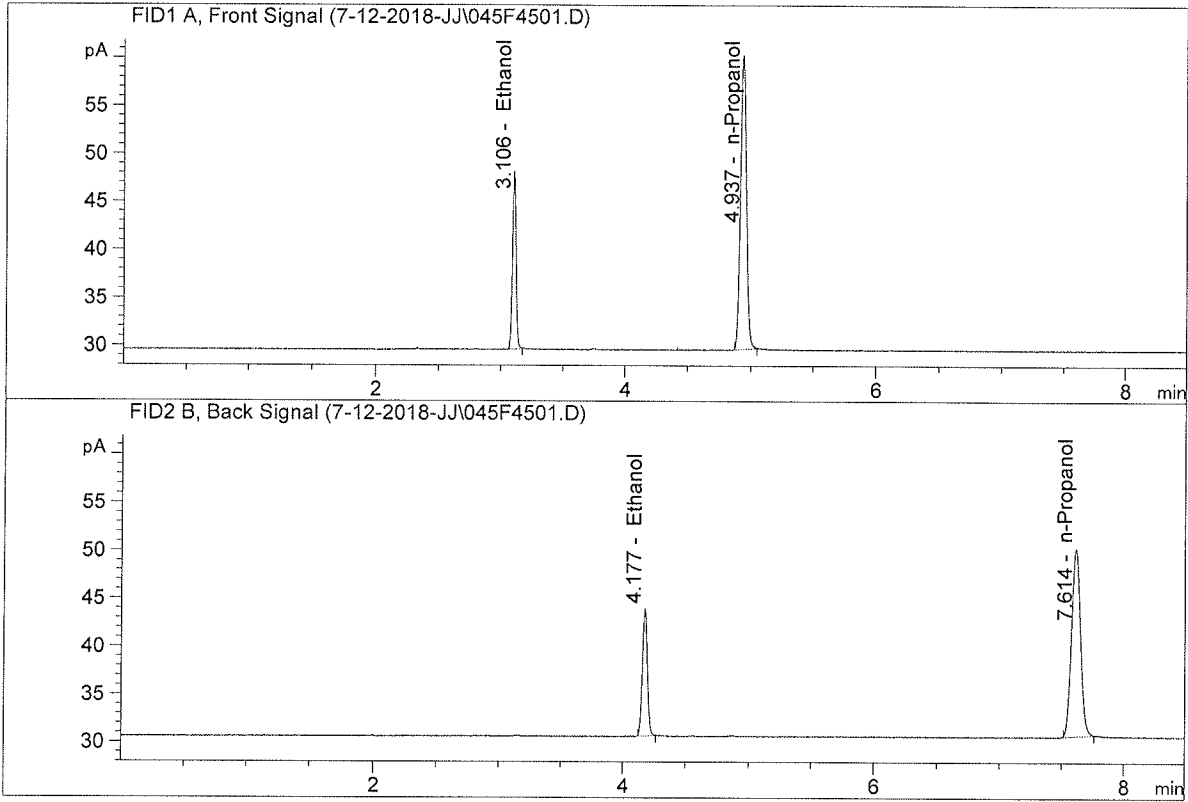


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.44461	0.1987	g/100cc
2.	Ethanol	Column 2:	35.46057	0.1990	g/100cc
3.	n-Propanol	Column 1:	98.20164	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.35177	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
 Laboratory : Coeur d' Alene
 Injection Date : Jul 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

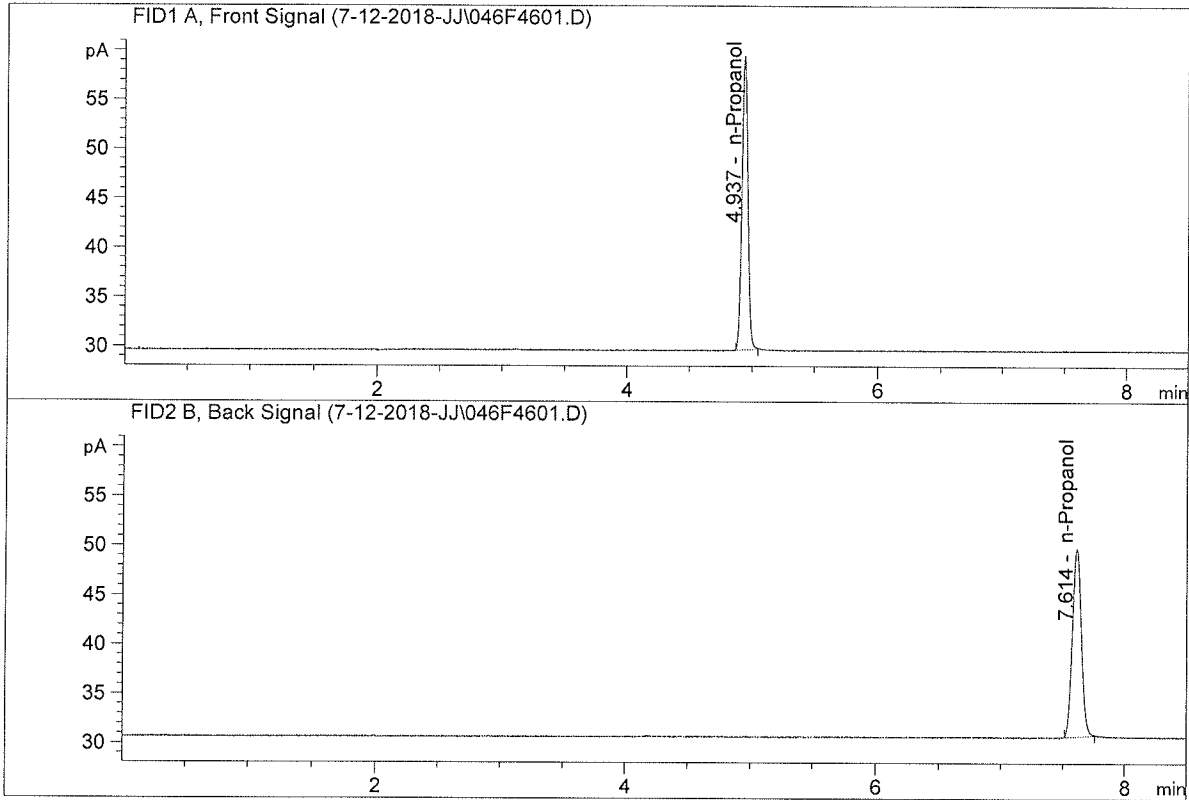


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.27654	0.1990	g/100cc
2.	Ethanol	Column 2:	36.28517	0.1989	g/100cc
3.	n-Propanol	Column 1:	100.35030	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.67672	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

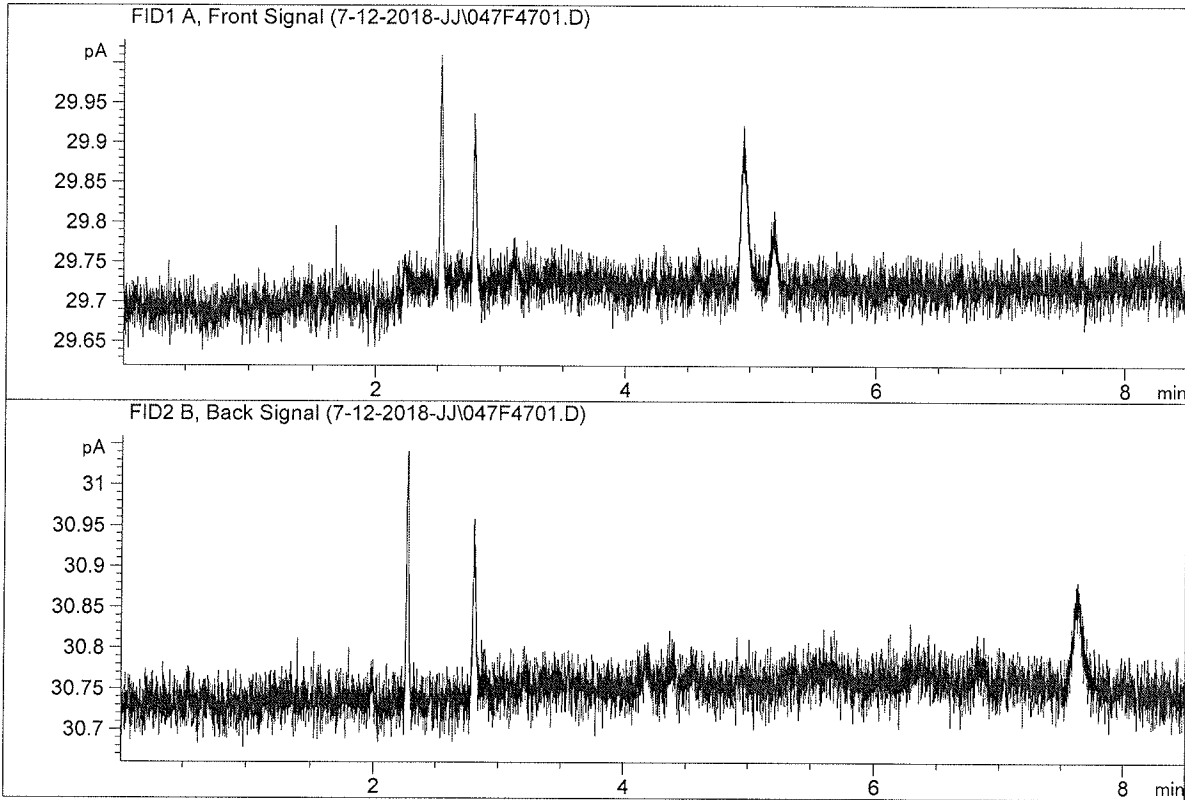
Sample Name : ISTD BLANK
 Laboratory : Coeur d' Alene
 Injection Date : Jul 13, 2018
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	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:	97.28616	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.81505	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
 Laboratory : Coeur d' Alene
 Injection Date : Jul 13, 2018
 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

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