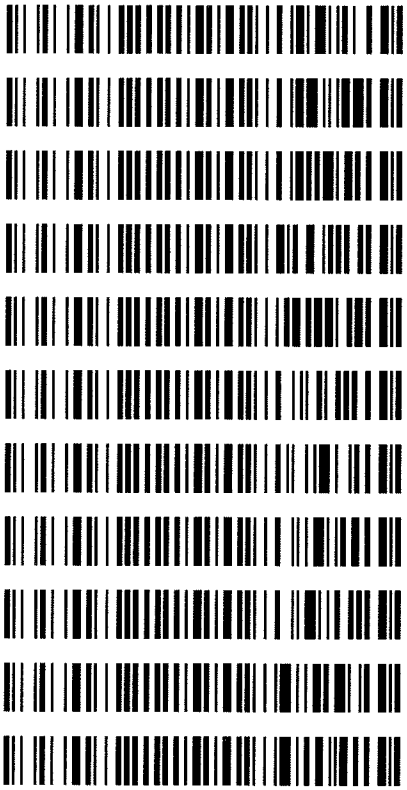
Worklist: 2341

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-0609	1	111229	Alcohol Analysis
C2018-0610	1	111230	Alcohol Analysis
C2018-0611	1	111231	Alcohol Analysis
C2018-0636	1	111572	Alcohol Analysis
C2018-0654	1	111895	Alcohol Analysis
C2018-0716	1	112733	Alcohol Analysis
C2018-0726	1	112788	Alcohol Analysis
C2018-0738	1	112872	Alcohol Analysis
C2018-0739	1	112873	Alcohol Analysis
C2018-0754	1	113185	Alcohol Analysis
C2018-0755	1	113188	Alcohol Analysis



99

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):4/21/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0737 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1929 g/100cc
					0.1916 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	0.99999	**Column2**	0.99999

Ethanol Calibration Reference Material								
Calibrator level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Column 1**	**Column 2**	**Precision**	**Mean**
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0491	0.0487	0.0004	0.0489
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0987	0.0983	0.0004	0.0985
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1992	0.1985	0.0007	0.1988
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2994	0.2993	1E-04	0.2993
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5010	0.5015	0.0005	0.5012

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

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

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_21.04.2018_04.42.05\4-21-2018.S
Data directory path: C:\Chem32\1\Data\4-21-2018-JJ
Logbook: C:\Chem32\1\Data\4-21-2018-JJ\4-21-2018.LOG
Sequence start: 4/21/2018 4:55:51 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
1	1	1	water	-	1.0000	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 FN10281510-	-	1.0000	006F0601.D	4
7	7	1	0.08 FN10281510-	-	1.0000	007F0701.D	4
8	8	1	C2018-0609-1-A	-	1.0000	008F0801.D	2
9	9	1	C2018-0609-1-B	-	1.0000	009F0901.D	2
10	10	1	C2018-0610-1-A	-	1.0000	010F1001.D	4
11	11	1	C2018-0610-1-B	-	1.0000	011F1101.D	4
12	12	1	C2018-0611-1-A	-	1.0000	012F1201.D	4
13	13	1	C2018-0611-1-B	-	1.0000	013F1301.D	4
14	14	1	C2018-0636-1-A	-	1.0000	014F1401.D	2
15	15	1	C2018-0636-1-B	-	1.0000	015F1501.D	2
16	16	1	C2018-0654-1-A	-	1.0000	016F1601.D	4
17	17	1	C2018-0654-1-B	-	1.0000	017F1701.D	4
18	18	1	C2018-0716-1-A	-	1.0000	018F1801.D	4
19	19	1	C2018-0716-1-B	-	1.0000	019F1901.D	4
20	20	1	C2018-0726-1-A	-	1.0000	020F2001.D	2
21	21	1	C2018-0726-1-B	-	1.0000	021F2101.D	2
22	22	1	C2018-0738-1-A	-	1.0000	022F2201.D	4
23	23	1	C2018-0738-1-B	-	1.0000	023F2301.D	4
24	24	1	C2018-0739-1-A	-	1.0000	024F2401.D	2
25	25	1	C2018-0739-1-B	-	1.0000	025F2501.D	2
26	26	1	C2018-0754-1-A	-	1.0000	026F2601.D	4
27	27	1	C2018-0754-1-B	-	1.0000	027F2701.D	4
28	28	1	QC-2-A	-	1.0000	028F2801.D	4
29	29	1	QC-2-B	-	1.0000	029F2901.D	4
30	30	1	C2018-0755-1-A	-	1.0000	030F3001.D	2
31	31	1	C2018-0755-1-B	-	1.0000	031F3101.D	2
32	32	1	QC-2-A	-	1.0000	032F3201.D	4
33	33	1	QC-2-B	-	1.0000	033F3301.D	4
34	34	1	ISTD BLANK	-	1.0000	034F3401.D	2
35	35	1	water	-	1.0000	035F3501.D	0

Calibration Table

General Calibration Setting

Calib. Data Modified : Saturday, April 21, 2018 4:29:33 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Forced
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [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

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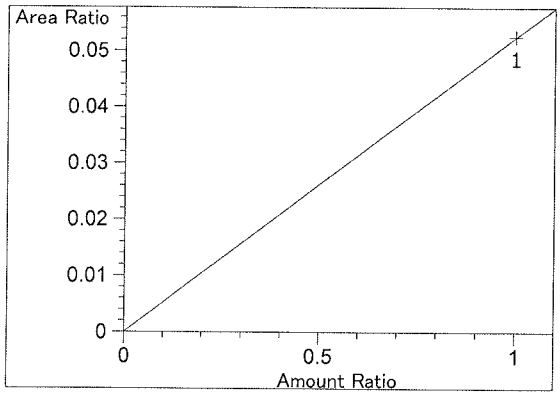
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.102	1	1	5.00000e-2	8.59953	5.81427e-3	No	No	1	Ethanol
		2	1.00000e-1	16.95391	5.89834e-3				
		3	2.00000e-1	35.45284	5.64130e-3				
		4	3.00000e-1	51.28807	5.84931e-3				
		5	5.00000e-1	87.18874	5.73469e-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
4.172	2	1	5.00000e-2	8.62807	5.79504e-3	No	No	2	Ethanol
		2	1.00000e-1	16.92961	5.90681e-3				
		3	2.00000e-1	35.42010	5.64651e-3				
		4	3.00000e-1	51.26770	5.85164e-3				
		5	5.00000e-1	87.29440	5.72774e-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
4.932	1	1	1.00000	95.79134	1.04394e-2	No	Yes	1	n-Propanol
		2	1.00000	93.84296	1.06561e-2				
		3	1.00000	97.25136	1.02826e-2				
		4	1.00000	93.61005	1.06826e-2				
		5	1.00000	95.08525	1.05169e-2				
7.607	2	1	1.00000	95.20394	1.05038e-2	No	Yes	2	n-Propanol
		2	1.00000	92.64706	1.07937e-2				
		3	1.00000	95.95932	1.04211e-2				
		4	1.00000	92.13956	1.08531e-2				
		5	1.00000	93.61448	1.06821e-2				

Peak Sum Table

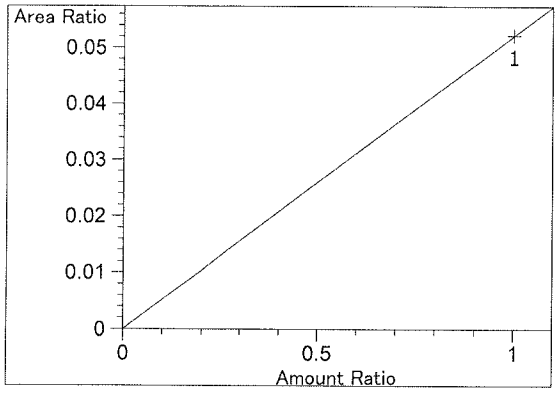
No Entries in table

Calibration Curves

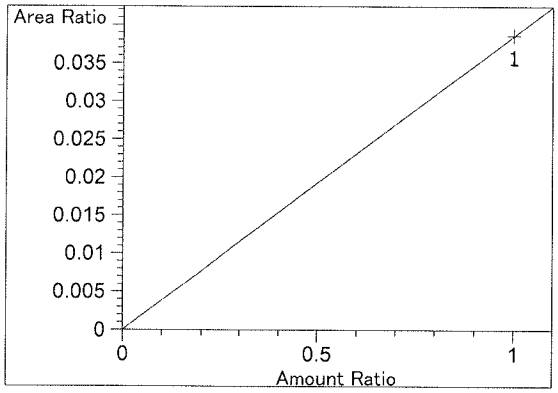


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.25188e-2
x: Amount Ratio
y: Area Ratio

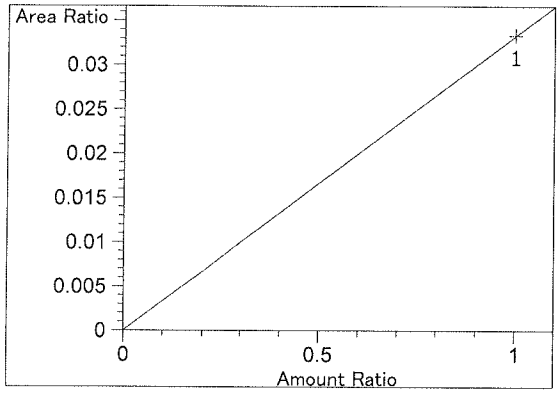
99



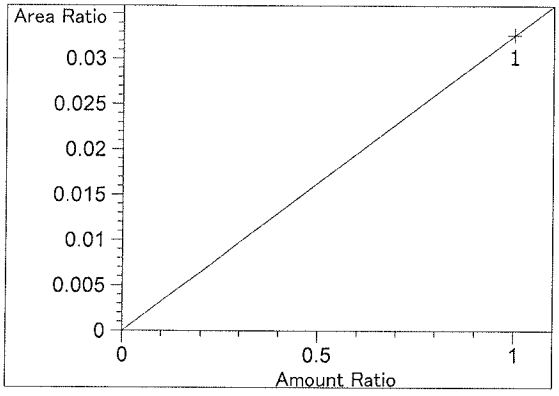
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.21968e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.85911e-2
x: Amount Ratio
y: Area Ratio

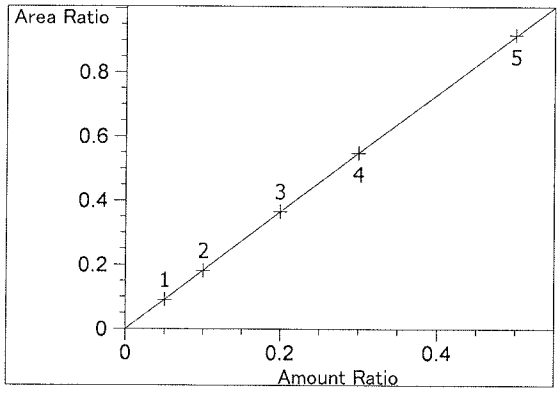


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.33340e-2
x: Amount Ratio
y: Area Ratio

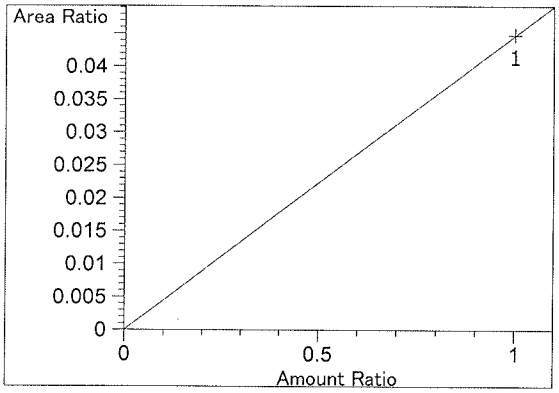


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.26221e-2
x: Amount Ratio
y: Area Ratio

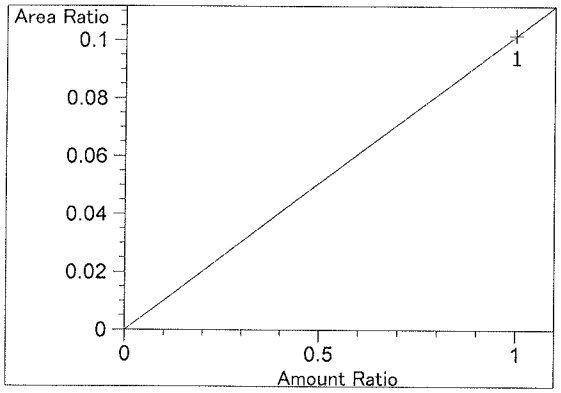
99



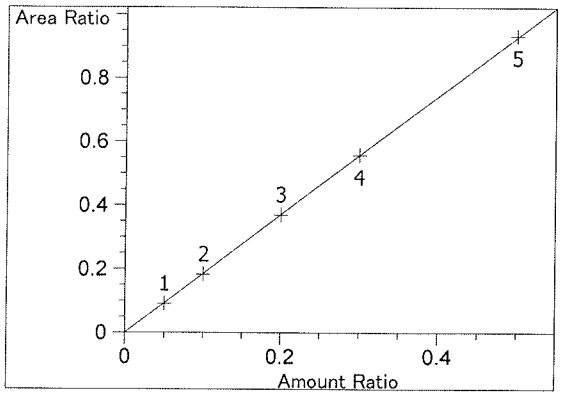
Ethanol at exp. RT: 3.102
FID1 A, Front Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00197
Formula: y = mx
m: 1.83009
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.47526e-2
x: Amount Ratio
y: Area Ratio

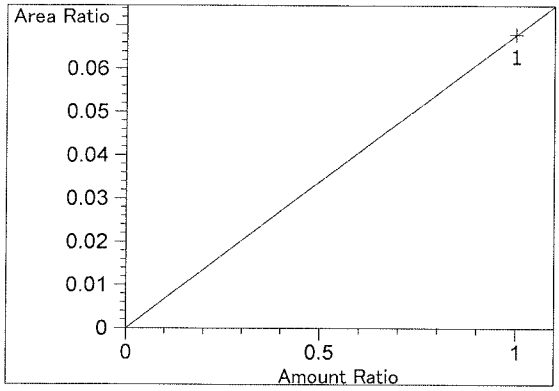


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.01581e-1
x: Amount Ratio
y: Area Ratio

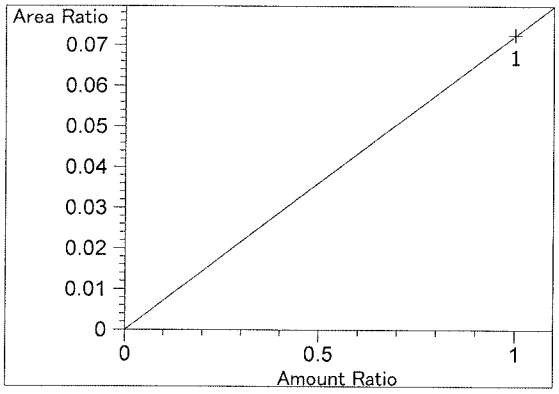


Ethanol at exp. RT: 4.172
FID2 B, Back Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00288
Formula: y = mx
m: 1.85935
x: Amount Ratio
y: Area Ratio

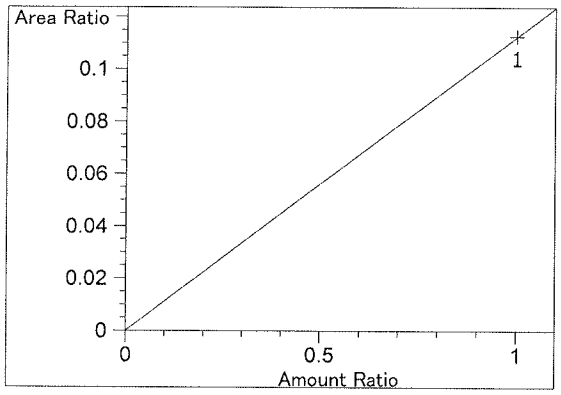
99



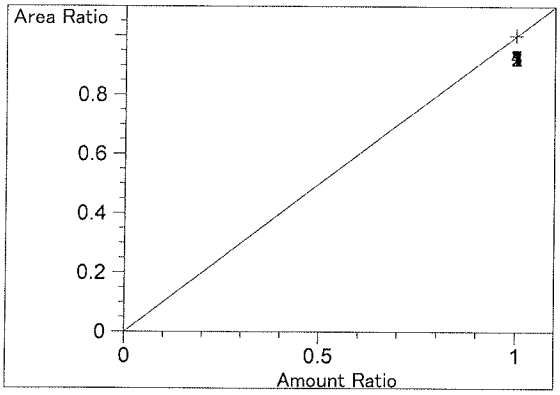
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.78496e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.24026e-2
x: Amount Ratio
y: Area Ratio

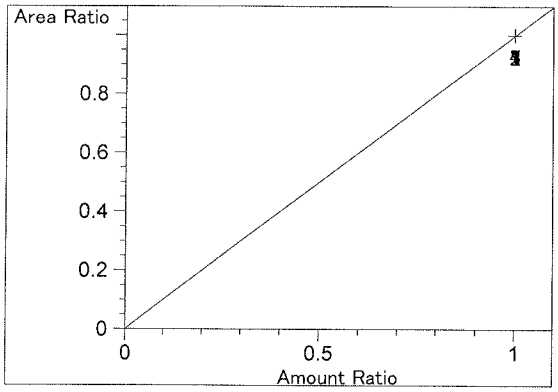


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.12458e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.932
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: 7.607
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

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_21.04.2018_03.04.38\4-21-18cal.S
Data directory path: C:\Chem32\1\Data\4-21-18calJJ
Logbook: C:\Chem32\1\Data\4-21-18calJJ\4-21-18cal.LOG
Sequence start: 4/21/2018 3:18:19 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

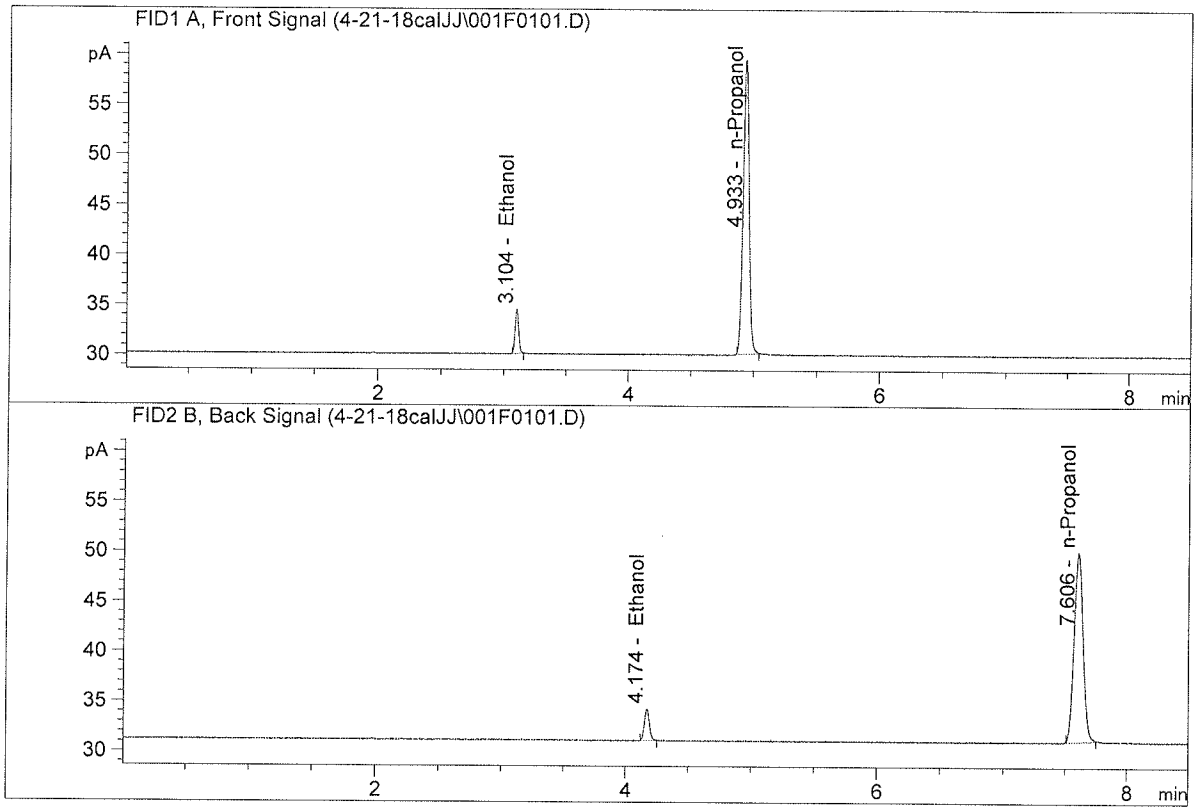
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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

99

ISP Forensic Services Blood Alcohol Report

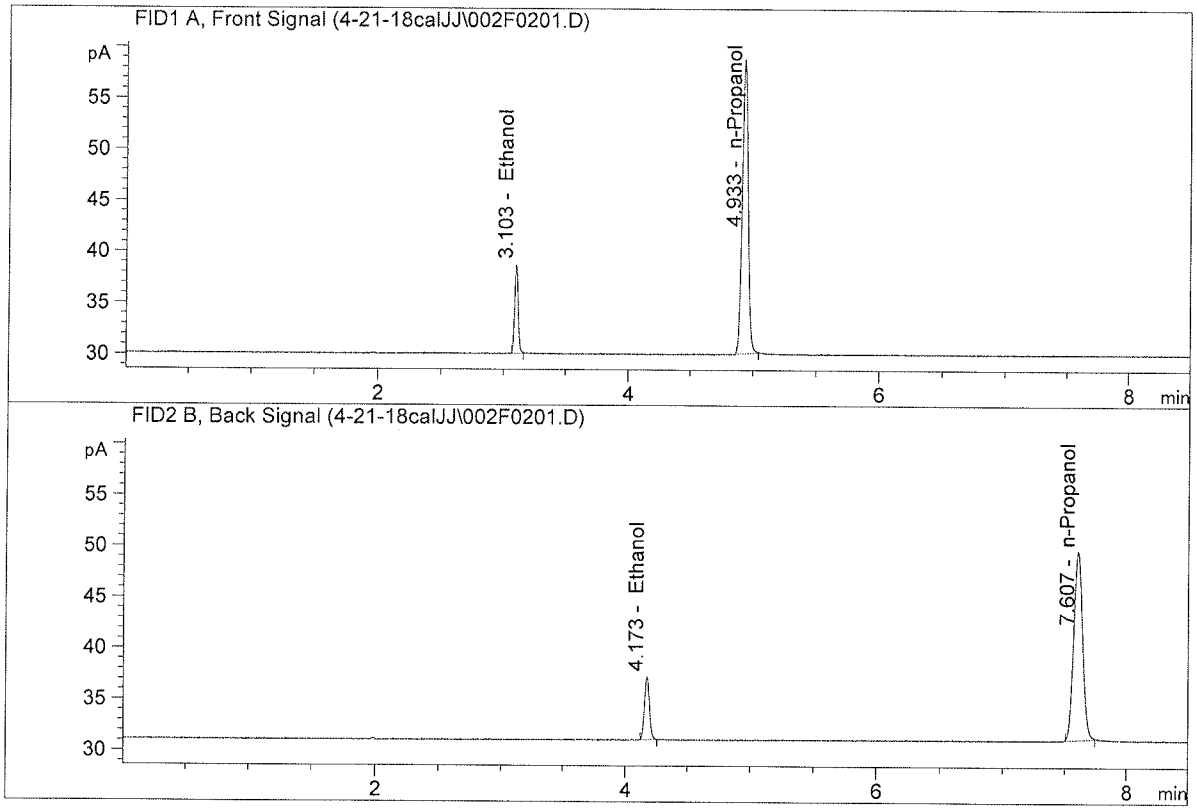
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.59953	0.0491	g/100cc
2.	Ethanol	Column 2:	8.62807	0.0487	g/100cc
3.	n-Propanol	Column 1:	95.79134	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.20394	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

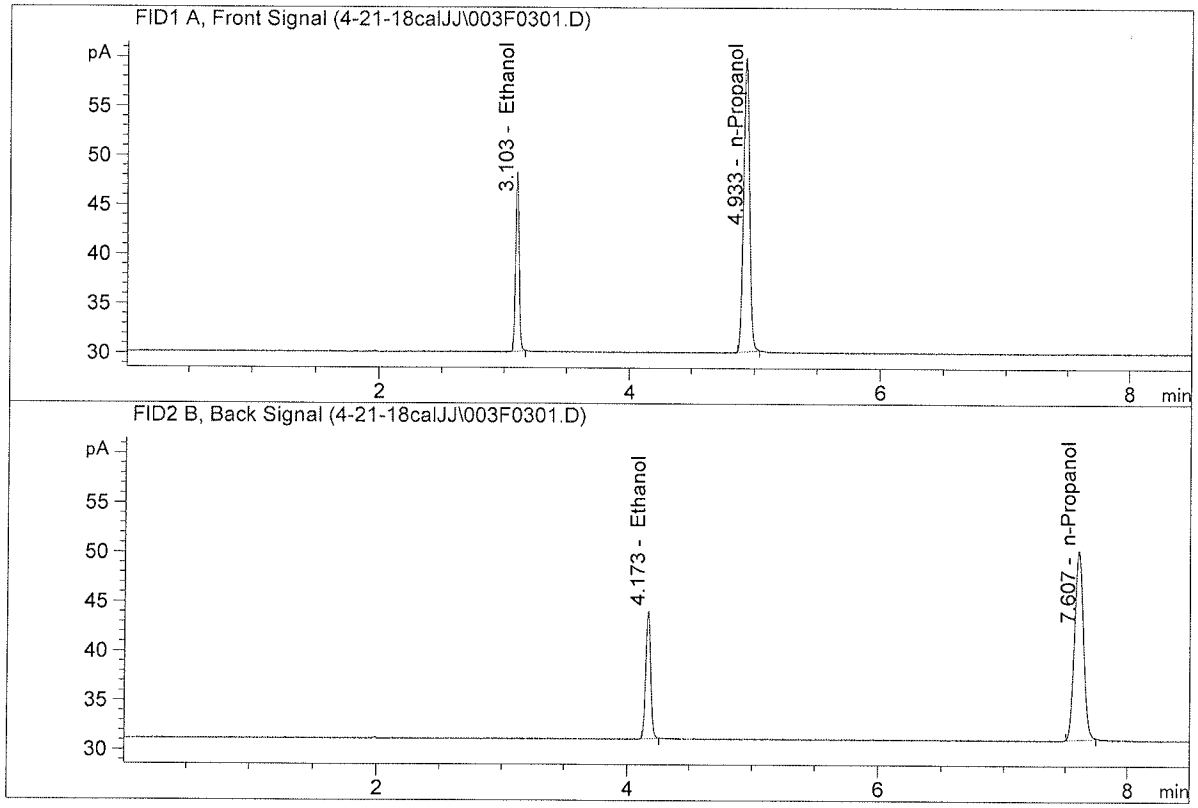
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.95391	0.0987	g/100cc
2.	Ethanol	Column 2:	16.92961	0.0983	g/100cc
3.	n-Propanol	Column 1:	93.84296	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.64706	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

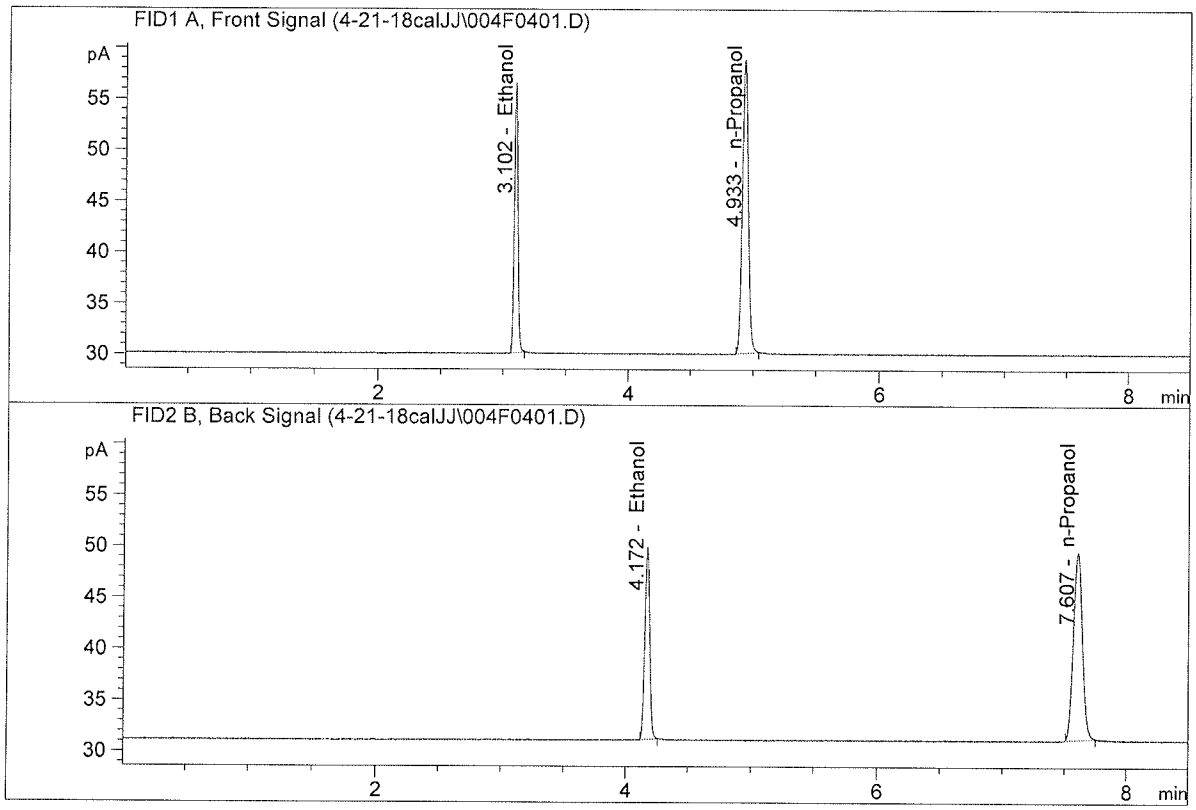
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.45284	0.1992	g/100cc
2.	Ethanol	Column 2:	35.42010	0.1985	g/100cc
3.	n-Propanol	Column 1:	97.25136	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.95932	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

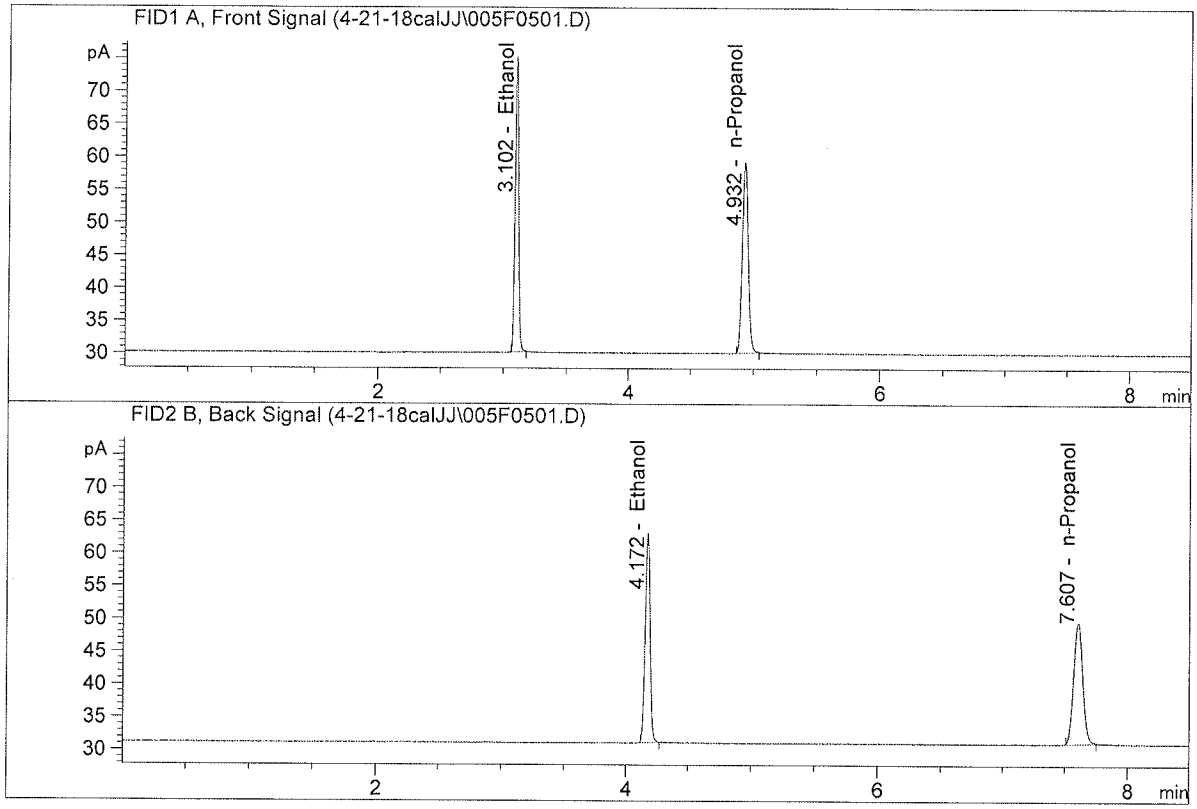
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.28807	0.2994	g/100cc
2.	Ethanol	Column 2:	51.26770	0.2993	g/100cc
3.	n-Propanol	Column 1:	93.61005	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.13956	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

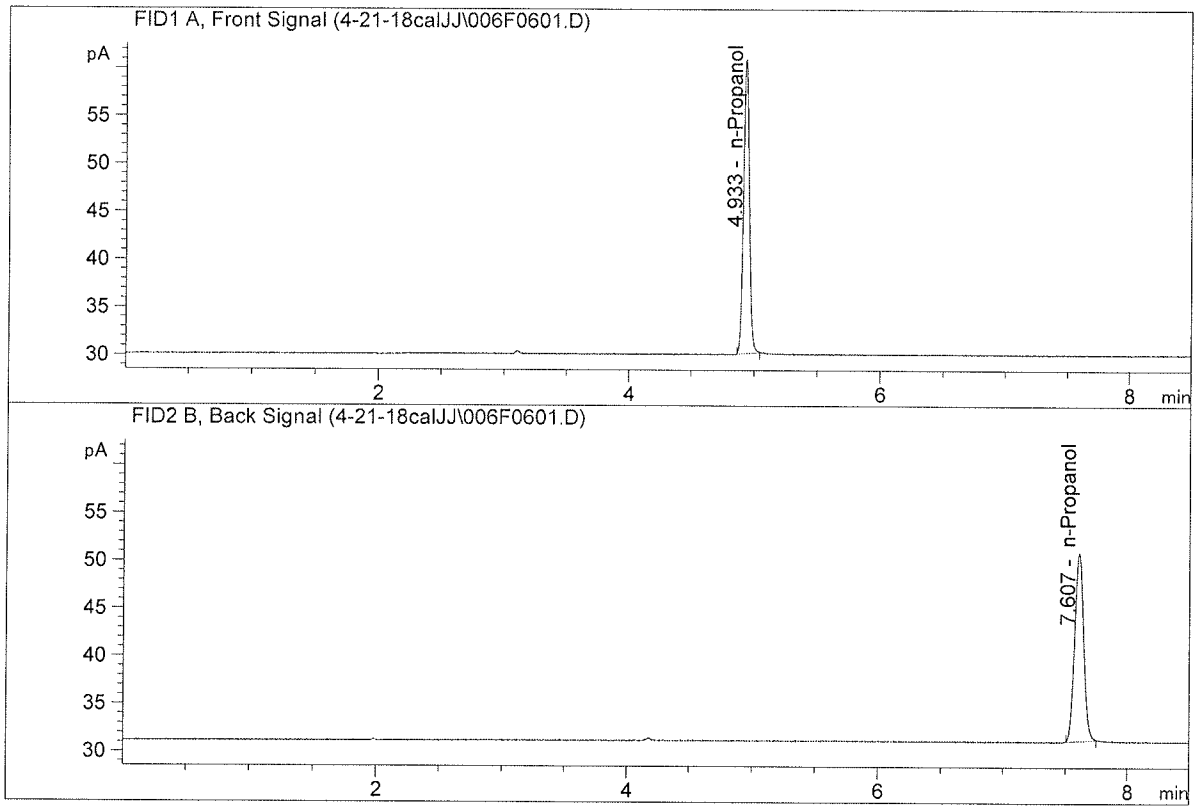
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.18874	0.5010	g/100cc
2.	Ethanol	Column 2:	87.29440	0.5015	g/100cc
3.	n-Propanol	Column 1:	95.08525	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.61448	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

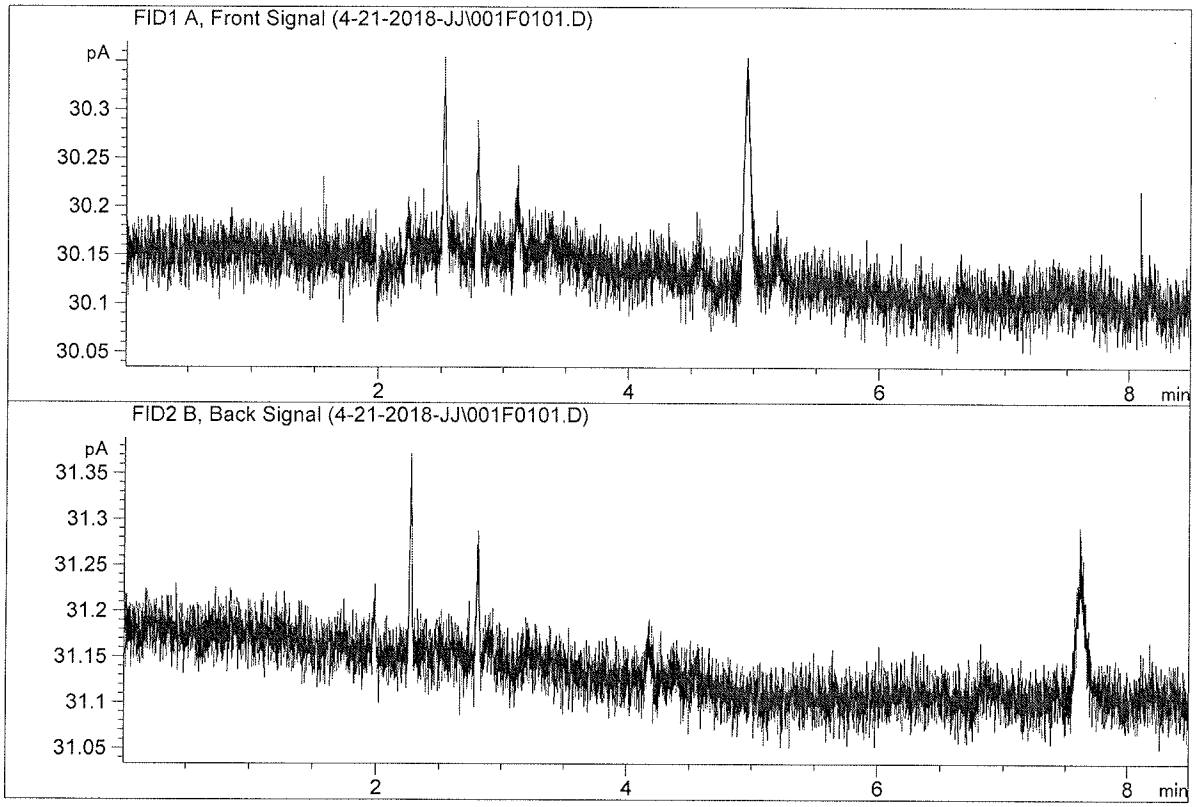
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	100.20129	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.08763	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

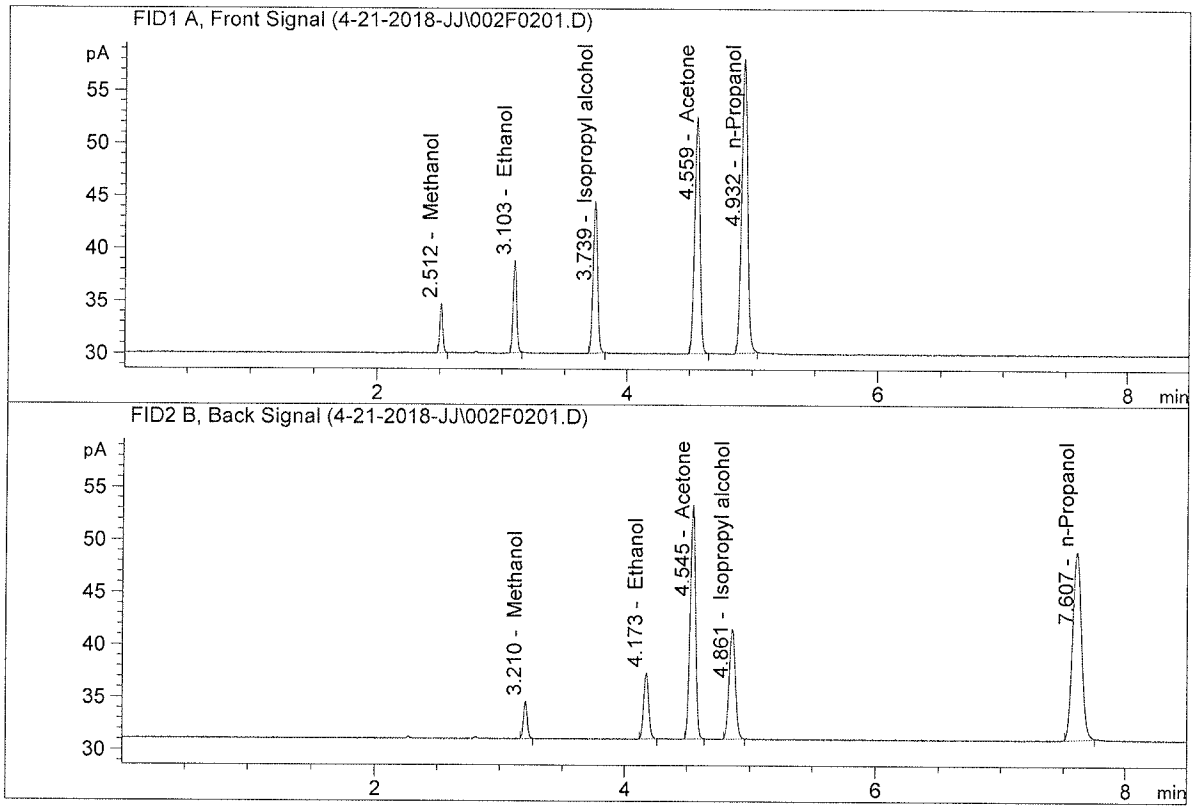
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

ISP Forensic Services Blood Alcohol Report

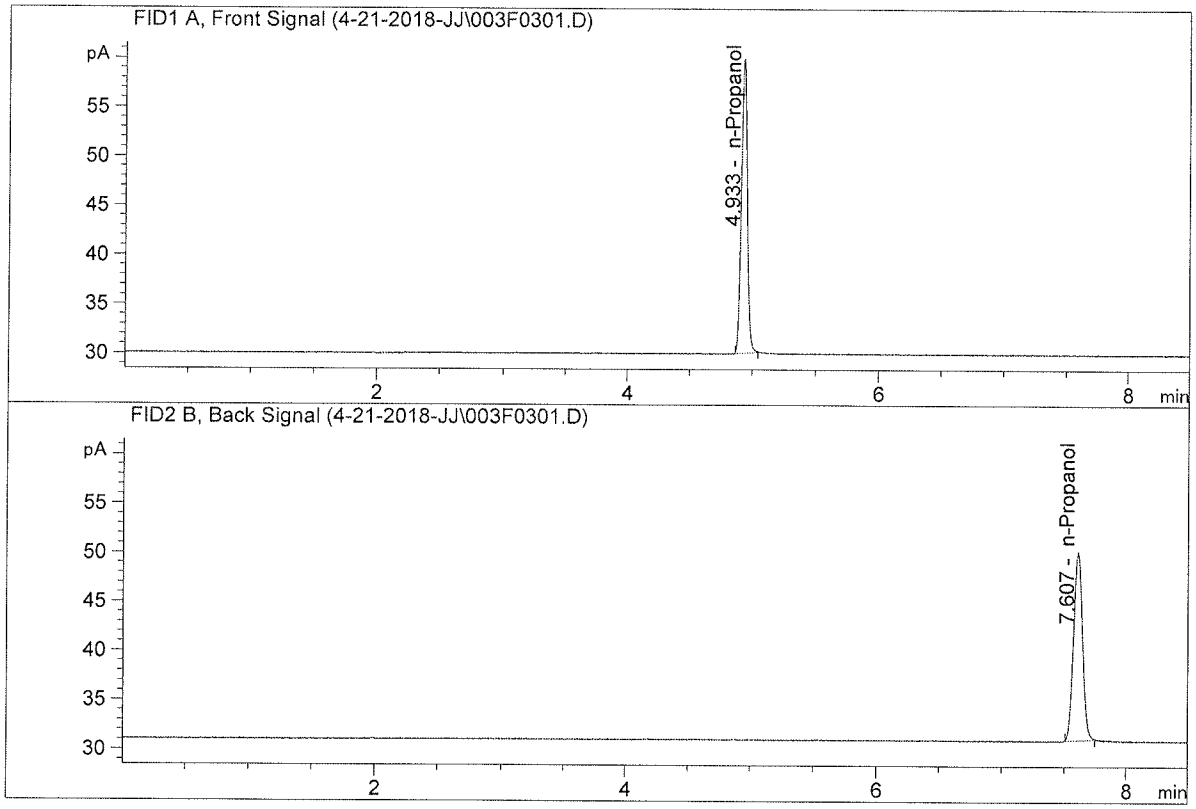
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.23578	0.1032	g/100cc
2.	Ethanol	Column 2:	17.36594	0.1035	g/100cc
3.	n-Propanol	Column 1:	91.28715	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.20697	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 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:	97.60603	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.47868	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 21 Apr 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0735	0.0735	0.0000	0.0735	0.0737	
(g/100cc)	0.0738	0.0740	0.0002	0.0739		

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%**

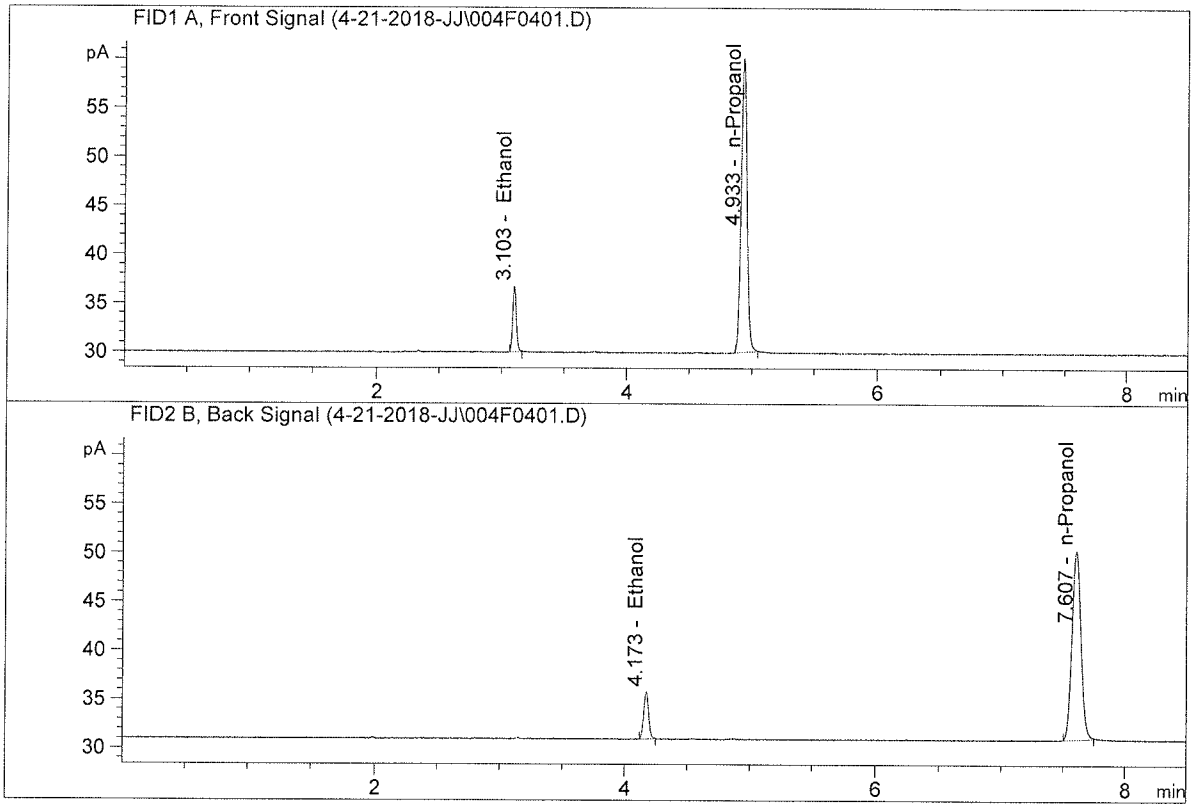
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	**0.069**	**0.077**	**0.004**

	Reported Result	
	0.073	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

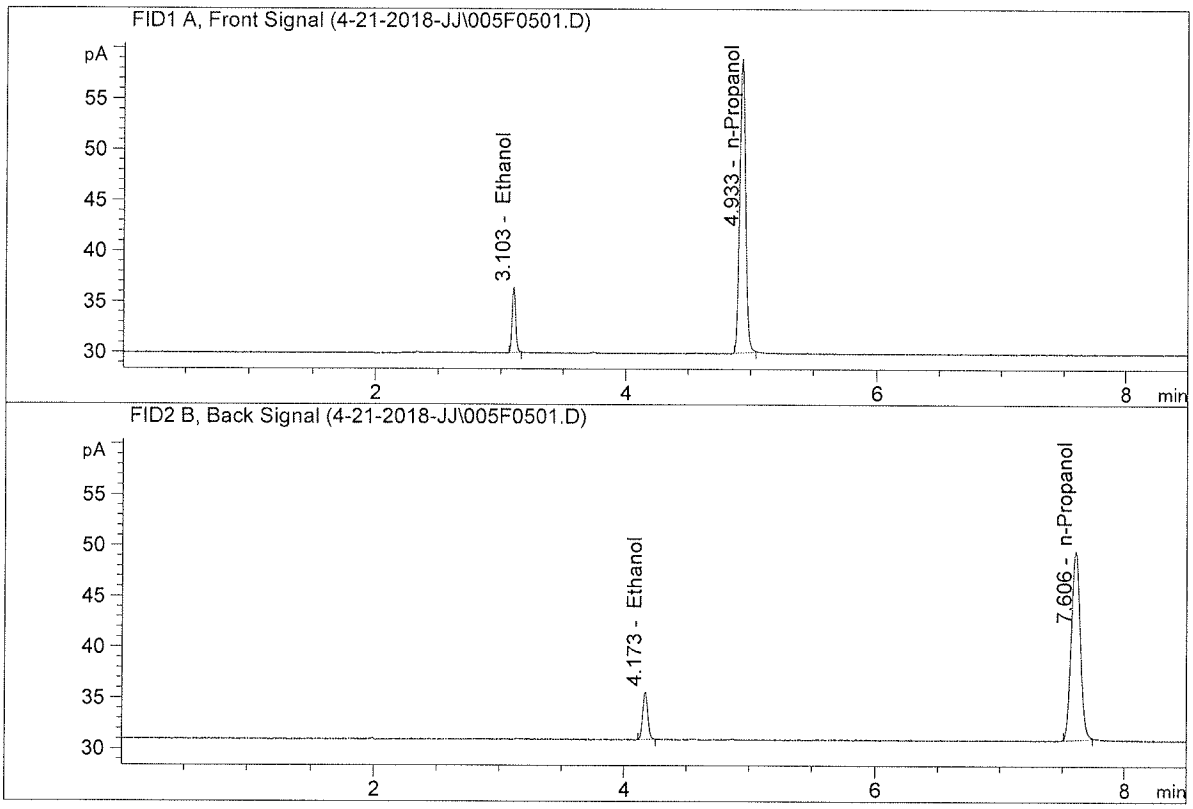
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.25765	0.0735	g/100cc
2.	Ethanol	Column 2:	13.28133	0.0735	g/100cc
3.	n-Propanol	Column 1:	98.56438	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.14742	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.77644	0.0738	g/100cc
2.	Ethanol	Column 2:	12.84674	0.0740	g/100cc
3.	n-Propanol	Column 1:	94.57899	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.33558	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 21 Apr 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0790	0.0787	0.0003	0.0788	0.0792	
(g/100cc)	0.0798	0.0796	0.0002	0.0797		

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%**

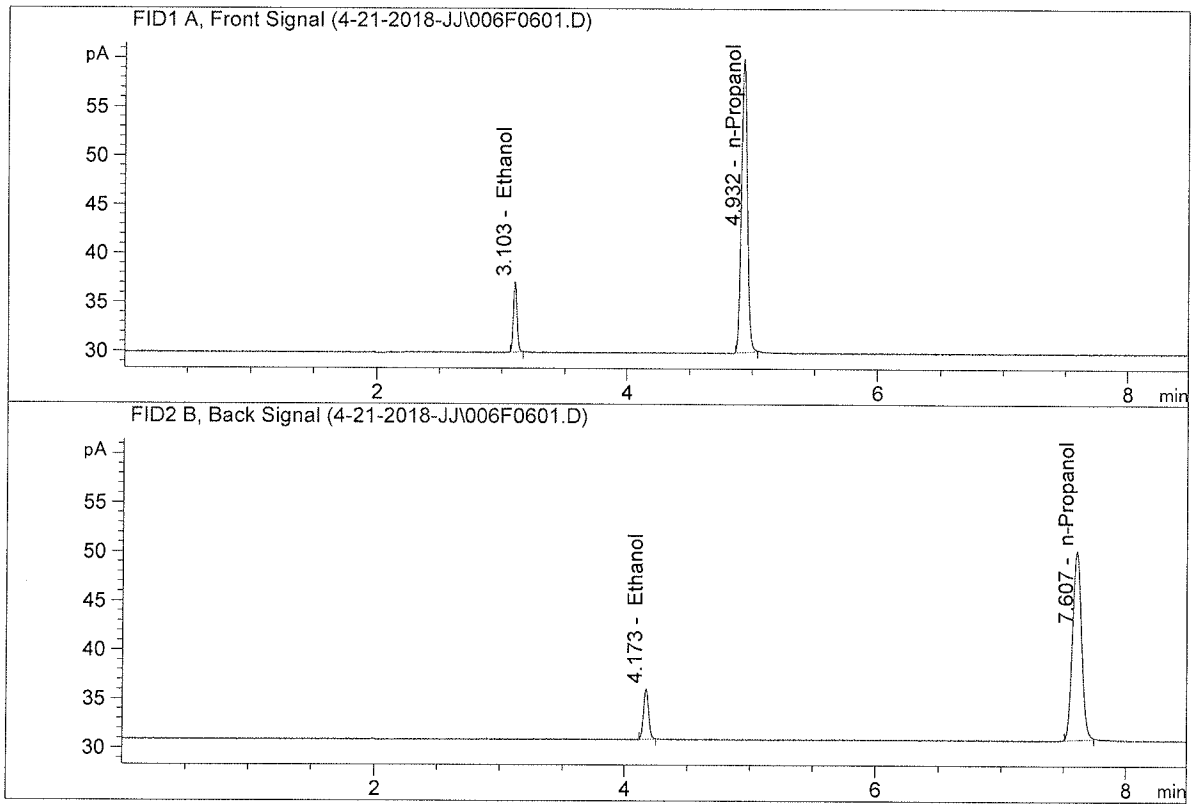
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

Reported Result
0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

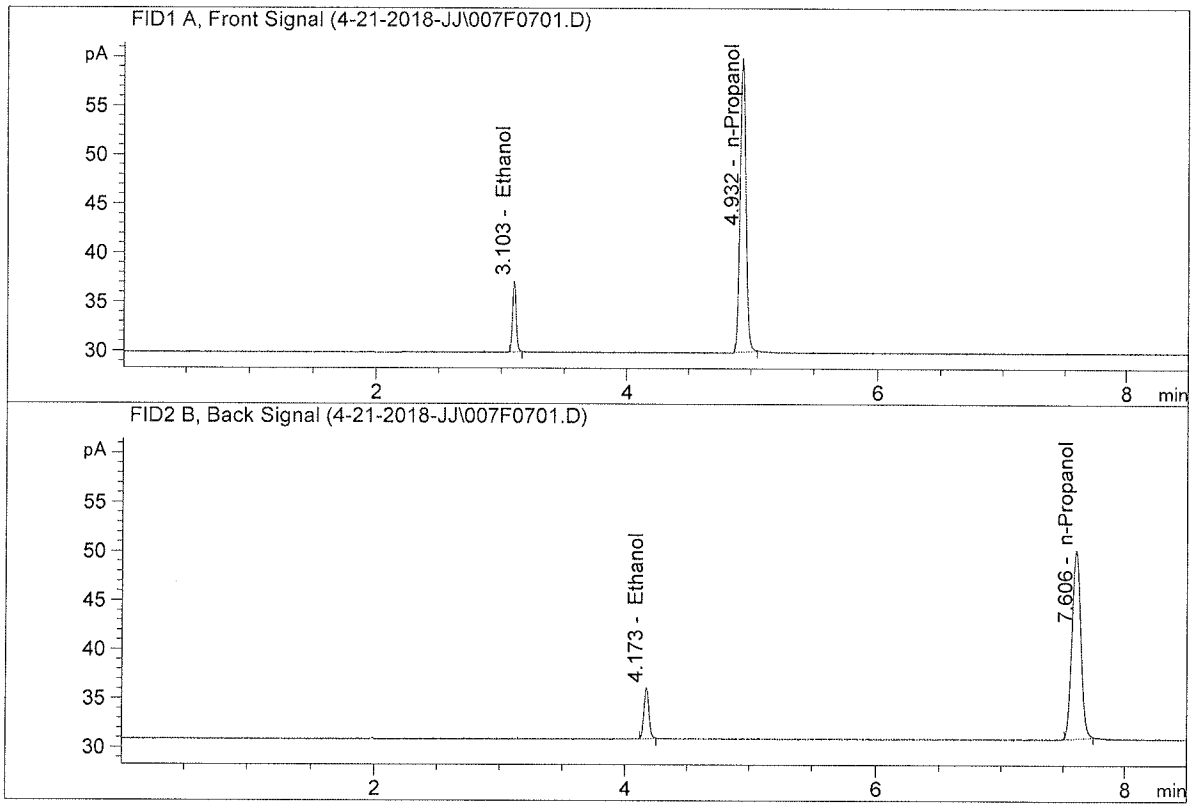
Sample Name : 0.08 FN10281510-A
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.16836	0.0790	g/100cc
2.	Ethanol	Column 2:	14.15661	0.0787	g/100cc
3.	n-Propanol	Column 1:	97.98837	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.73313	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.35355	0.0798	g/100cc
2.	Ethanol	Column 2:	14.32115	0.0796	g/100cc
3.	n-Propanol	Column 1:	98.28152	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.71060	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 21 Apr 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1929	0.1936	0.0007	0.1932	0.1929	
(g/100cc)	0.1924	0.1927	0.0003	0.1925		

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
0.192	**0.182**	**0.202**	**0.010**

	Reported Result	
	0.192	

Calibration and control data are stored centrally.

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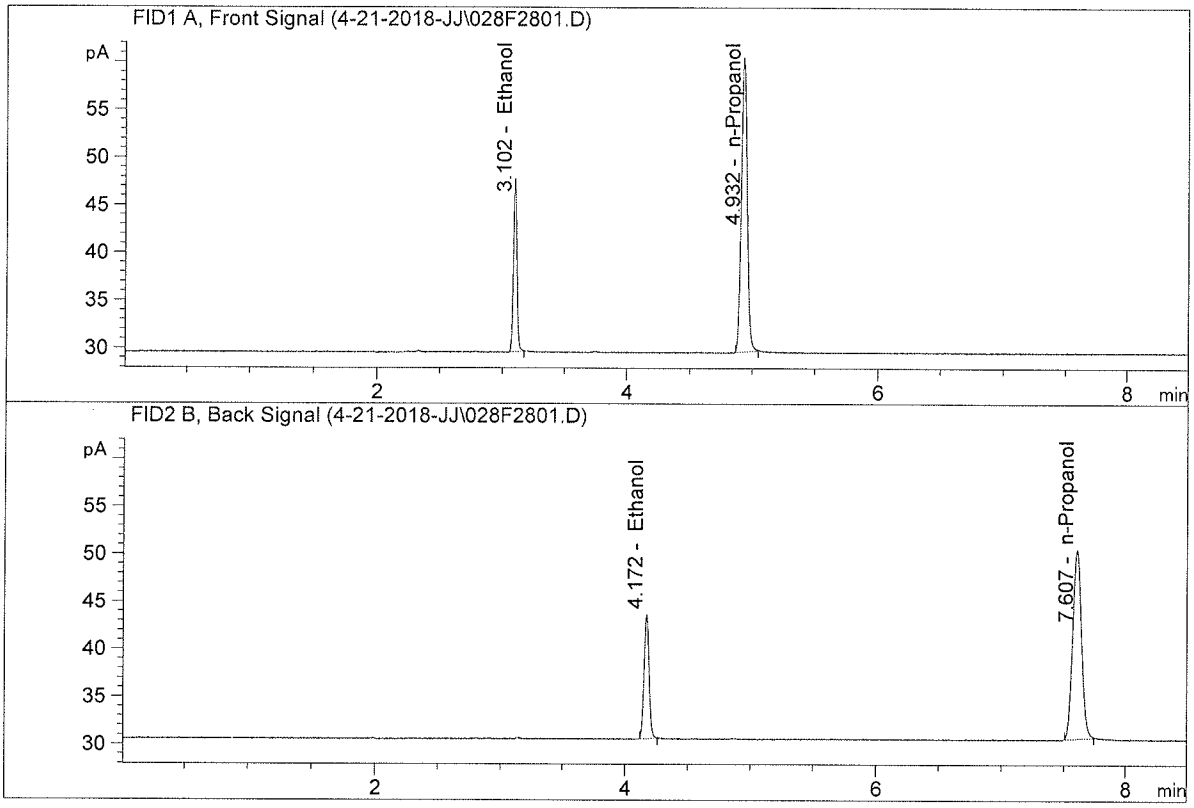
ISP Forensic Services Blood Alcohol Report

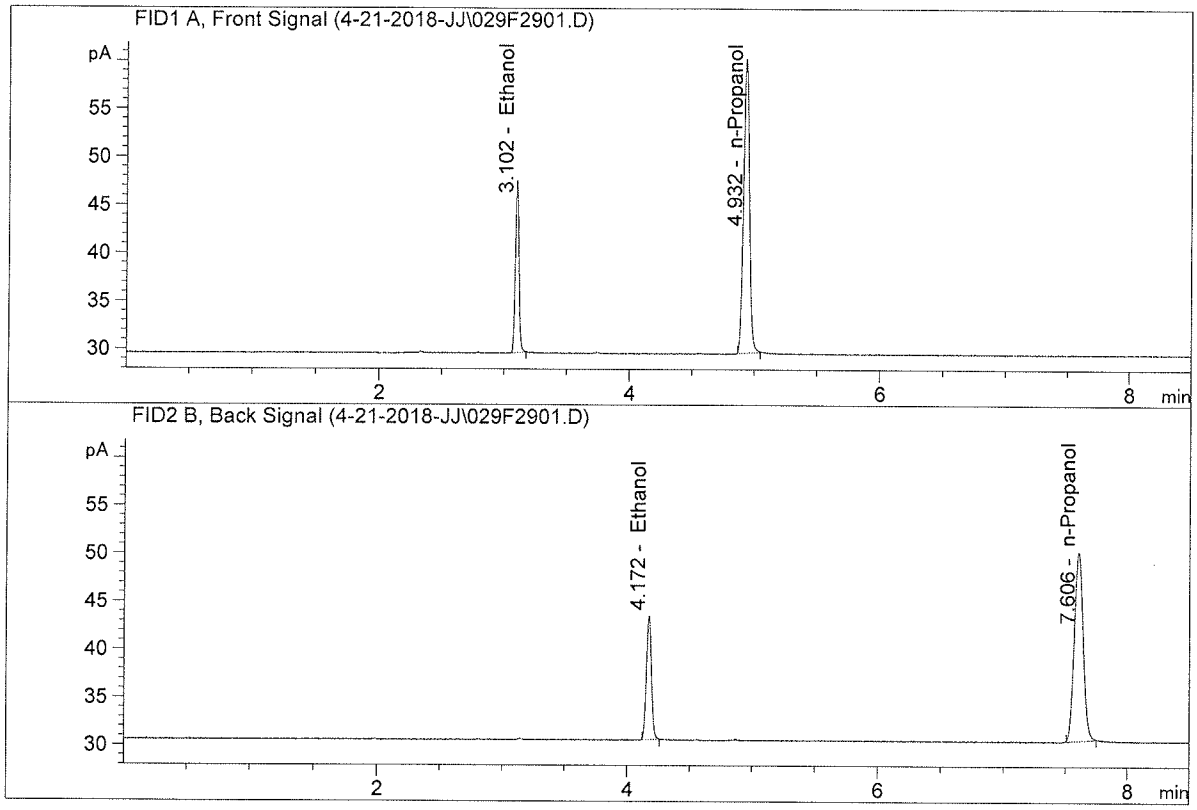
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.69849	0.1929	g/100cc
2.	Ethanol	Column 2:	35.87415	0.1936	g/100cc
3.	n-Propanol	Column 1:	101.11898	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.64660	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.34391	0.1924	g/100cc
2.	Ethanol	Column 2:	35.49883	0.1927	g/100cc
3.	n-Propanol	Column 1:	100.37651	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.09871	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 21 Apr 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1907	0.1911	0.0004	0.1909	0.1916	
(g/100cc)	0.1915	0.1932	0.0017	0.1923		

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%**

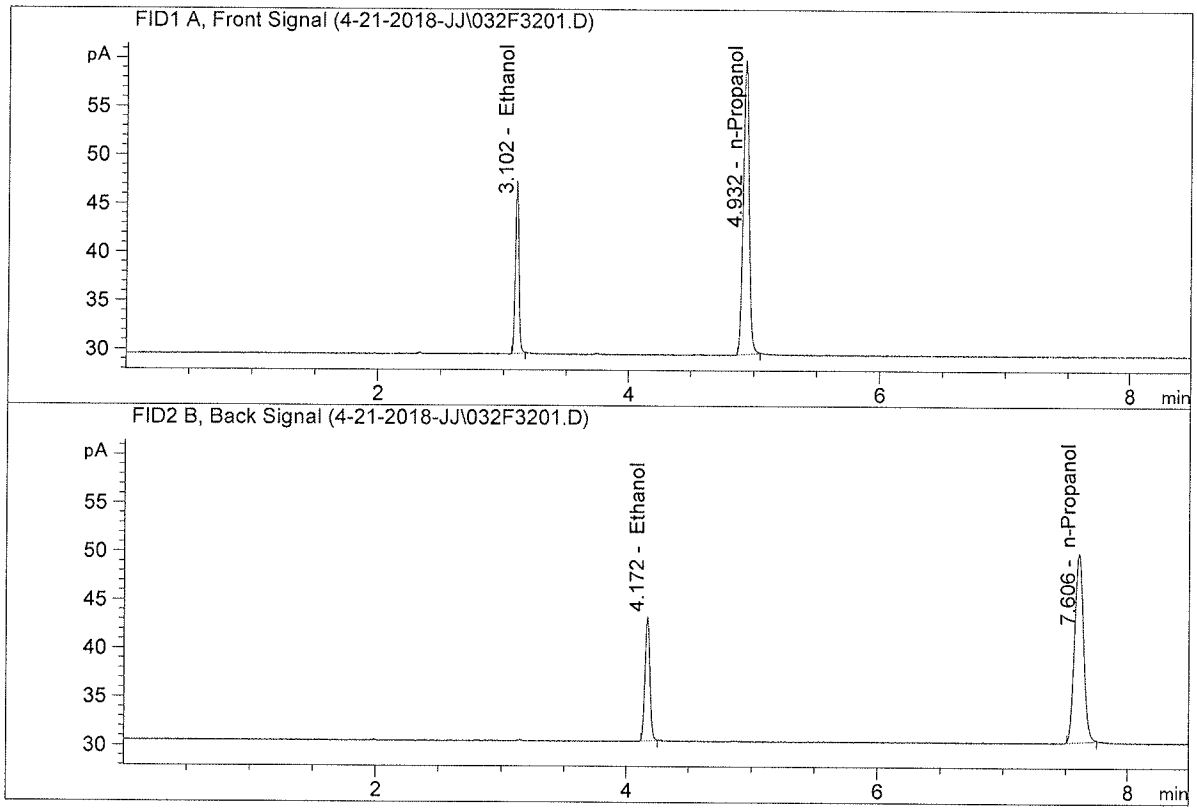
Overall Mean (g/100cc)	Low	High	5% of Mean
0.191	**0.181**	**0.201**	**0.010**

	Reported Result	
	0.191	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

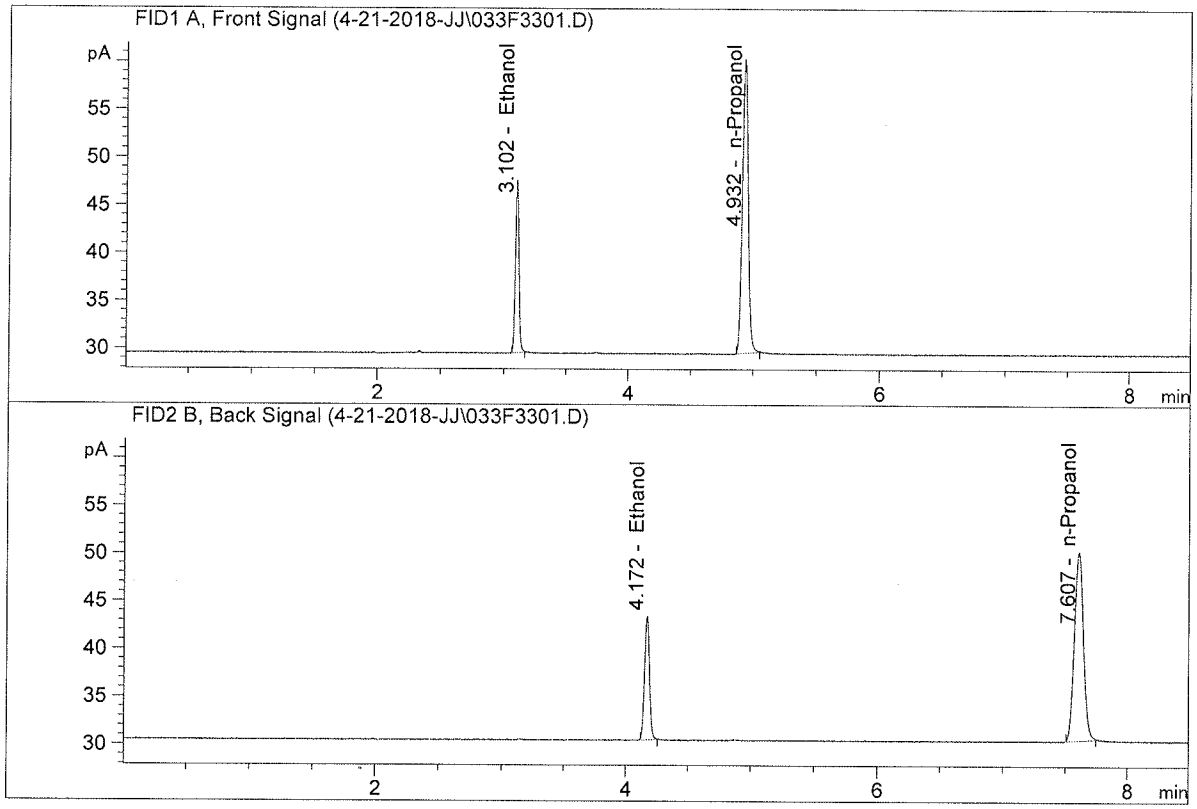
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.73785	0.1907	g/100cc
2.	Ethanol	Column 2:	34.86581	0.1911	g/100cc
3.	n-Propanol	Column 1:	99.51038	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.10546	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

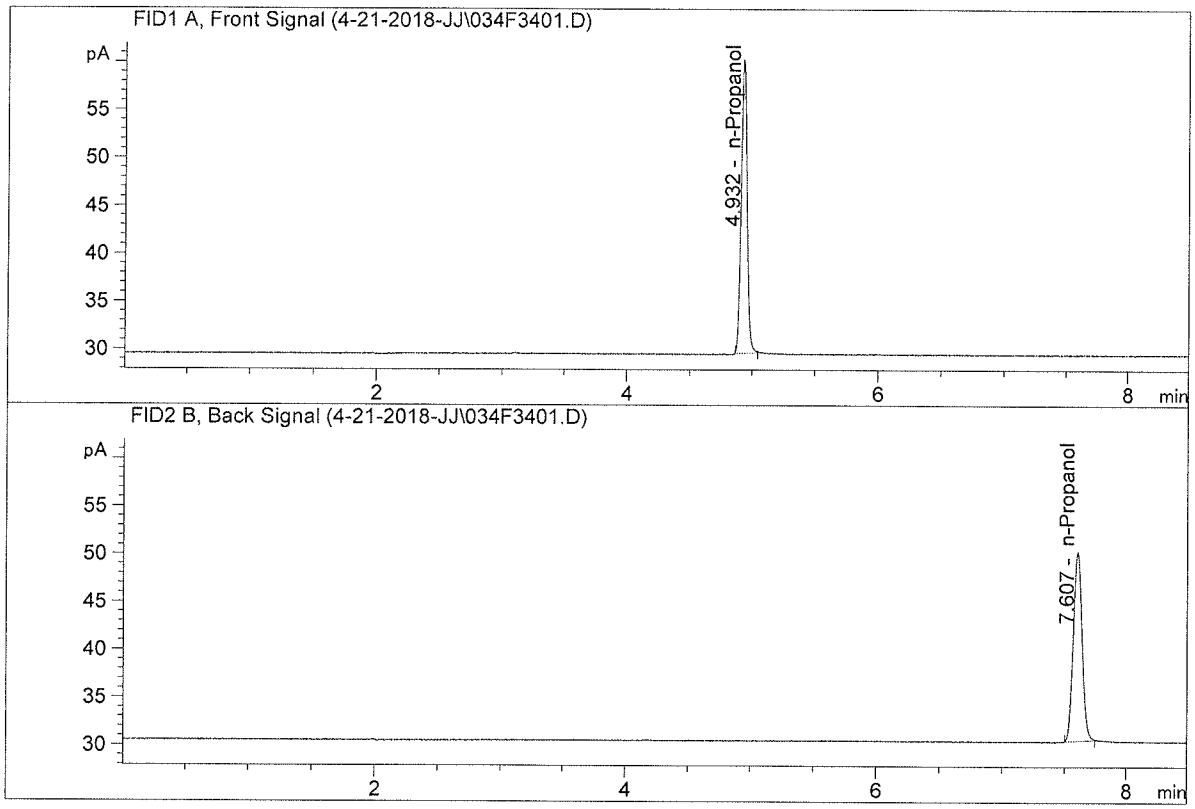
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.39548	0.1915	g/100cc
2.	Ethanol	Column 2:	35.68470	0.1932	g/100cc
3.	n-Propanol	Column 1:	100.99026	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.31818	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Apr 21, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

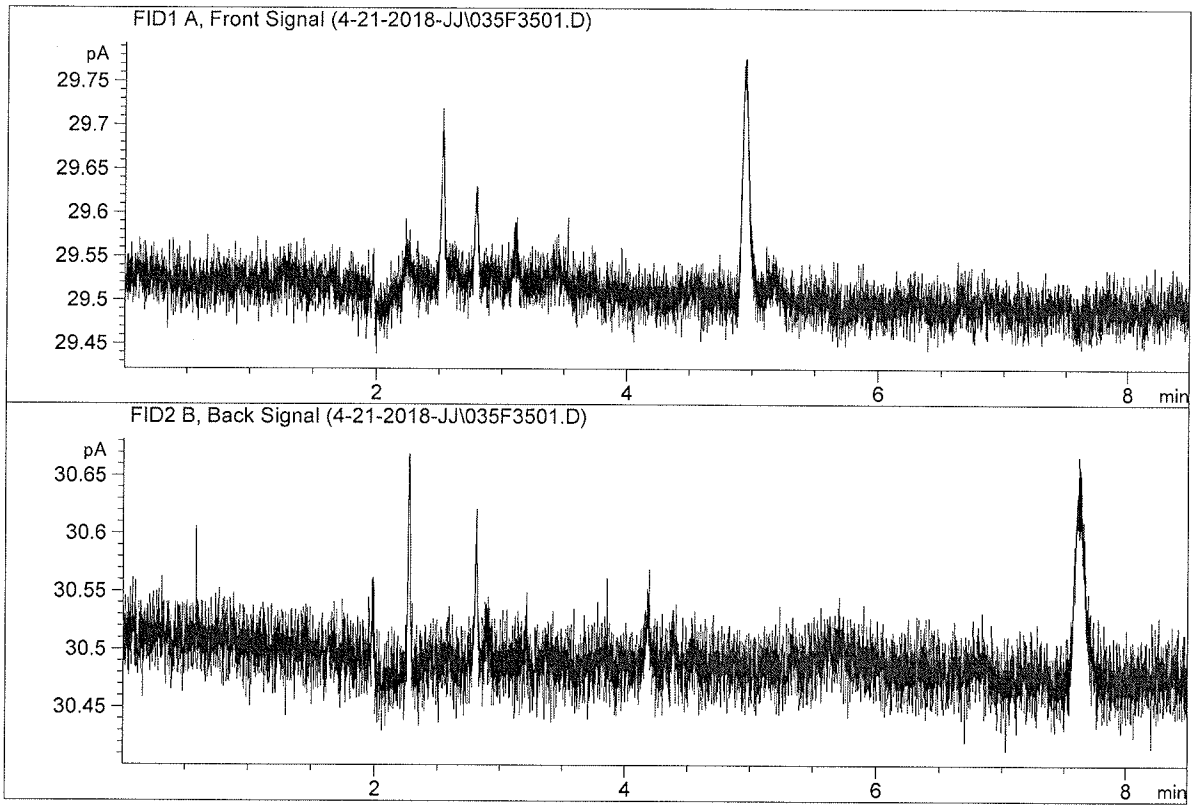


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	100.59517	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.51208	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Apr 21, 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