Worklist: 2168

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-0017	1	104036	Alcohol Analysis
C2018-0030	1	104214	Alcohol Analysis
C2018-0060	1	104772	Alcohol Analysis
C2018-0079	1	105000	Alcohol Analysis
C2018-0095	1	105250	Alcohol Analysis
C2018-0096	1	105251	Alcohol Analysis
C2018-0142	1	105701	Alcohol Analysis
C2018-0147	1	105801	Alcohol Analysis
C2018-0148	1	105802	Alcohol Analysis
C2018-0149	1	105823	Alcohol Analysis
C2018-0163	3	106335	Alcohol Analysis
C2018-0183	1	106339	Alcohol Analysis
C2018-0203	1	106502	Alcohol Analysis
C2018-0235	1	106766	Alcohol Analysis
M2018-0141	1	104509	Alcohol Analysis

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):2/5/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0765 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1957 g/100cc
					0.1974 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	0.99998	**Column2**	0.99998

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	0.0498	0.0496	0.0002	0.0497
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.1038	0.1033	0.0005	0.1035
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1995	0.1987	0.0008	0.1991
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3004	0.3001	0.0003	0.3002
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4992	0.4998	0.0006	0.4995

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

~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_05.02.2018_03.54.16\2-5-2018.S
Data directory path: C:\Chem32\1\Data\2-5-2018-JJ
Logbook: C:\Chem32\1\Data\2-5-2018-JJ\2-5-2018.LOG
Sequence start: 2/5/2018 4:08:01 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 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	C2018-0017-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-0017-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-0030-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-0030-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-0060-1-A	-	1.0000	012F1201.D		6
13	13	1	C2018-0060-1-B	-	1.0000	013F1301.D		6
14	14	1	C2018-0079-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-0079-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-0095-1-A	-	1.0000	016F1601.D		4
17	17	1	C2018-0095-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-0096-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-0096-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-0142-1-A	-	1.0000	020F2001.D		4
21	21	1	C2018-0142-1-B	-	1.0000	021F2101.D		4
22	22	1	C2018-0147-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-0147-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-0148-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-0148-1-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	C2018-0149-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-0149-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-0163-3-A	-	1.0000	030F3001.D		4
31	31	1	C2018-0163-3-B	-	1.0000	031F3101.D		4
32	32	1	C2018-0183-1-A	-	1.0000	032F3201.D		4
33	33	1	C2018-0183-1-B	-	1.0000	033F3301.D		4
34	34	1	C2018-0203-1-A	-	1.0000	034F3401.D		4
35	35	1	C2018-0203-1-B	-	1.0000	035F3501.D		4
36	36	1	C2018-0235-1-A	-	1.0000	036F3601.D		4
37	37	1	C2018-0235-1-B	-	1.0000	037F3701.D		4
38	38	1	M2018-0141-1-A	-	1.0000	038F3801.D		6
39	39	1	M2018-0141-1-B	-	1.0000	039F3901.D		6
40	40	1	QC-2-A	-	1.0000	040F4001.D		4
41	41	1	QC-2-B	-	1.0000	041F4101.D		4
42	42	1	ISTD BLANK	-	1.0000	042F4201.D		2
43	43	1	water	-	1.0000	043F4301.D		0

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Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, February 05, 2018 1:36:37 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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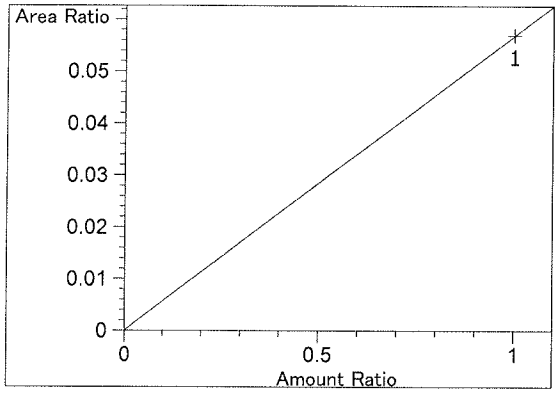
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.103	1	1	5.00000e-2	8.23207	6.07381e-3	No	No	1	Ethanol
		2	1.00000e-1	17.18896	5.81769e-3				
		3	2.00000e-1	33.15729	6.03186e-3				
		4	3.00000e-1	49.92757	6.00870e-3				
		5	5.00000e-1	84.02734	5.95044e-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
4.173	2	1	5.00000e-2	8.26147	6.05219e-3	No	No	2	Ethanol
		2	1.00000e-1	17.18776	5.81810e-3				
		3	2.00000e-1	33.10777	6.04088e-3				
		4	3.00000e-1	49.86530	6.01621e-3				
		5	5.00000e-1	84.13448	5.94287e-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
4.934	1	1	1.00000	88.33011	1.13212e-2	No	Yes	1	n-Propanol
		2	1.00000	88.44606	1.13063e-2				
		3	1.00000	88.72220	1.12711e-2				
		4	1.00000	88.73495	1.12695e-2				
		5	1.00000	89.86732	1.11275e-2				
7.608	2	1	1.00000	87.80808	1.13885e-2	No	Yes	2	n-Propanol
		2	1.00000	87.69424	1.14033e-2				
		3	1.00000	87.79287	1.13904e-2				
		4	1.00000	87.55720	1.14211e-2				
		5	1.00000	88.69810	1.12742e-2				

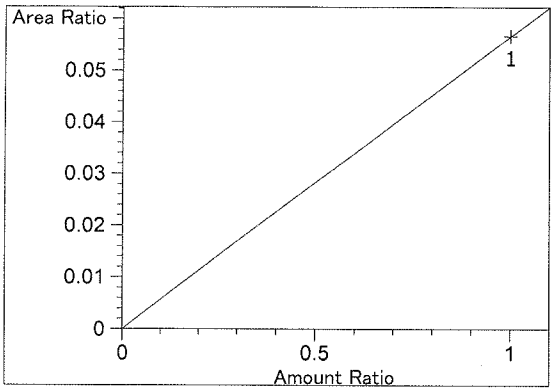
Peak Sum Table

No Entries in table

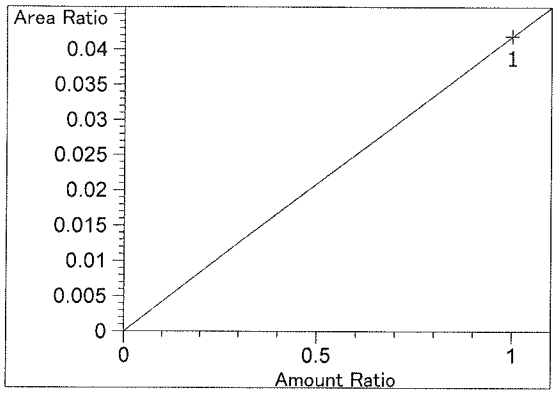
Calibration Curves



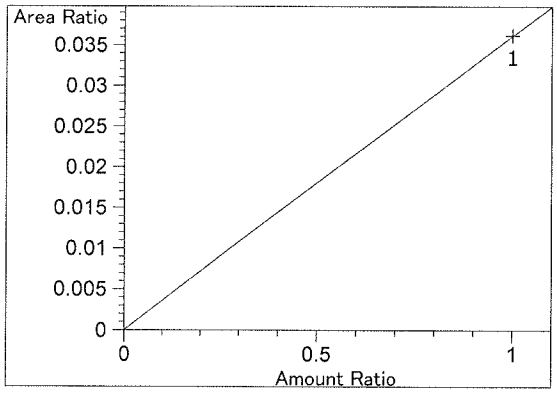
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.69424e-2
x: Amount Ratio
y: Area Ratio



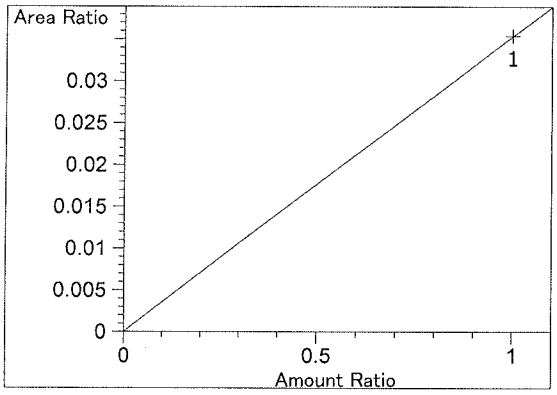
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.66058e-2
x: Amount Ratio
y: Area Ratio



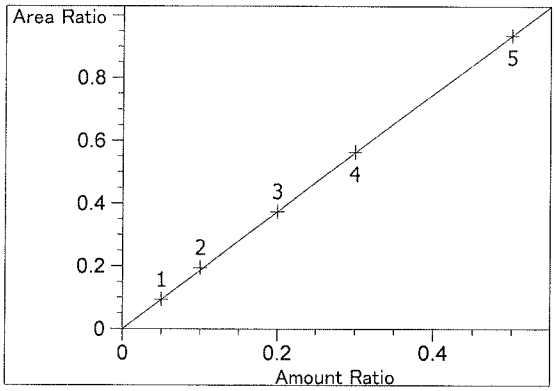
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.18509e-2
x: Amount Ratio
y: Area Ratio



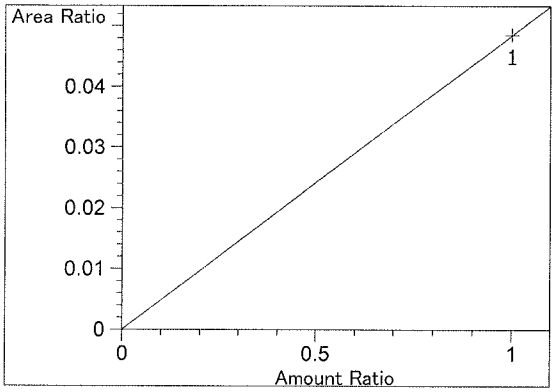
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.61497e-2
x: Amount Ratio
y: Area Ratio



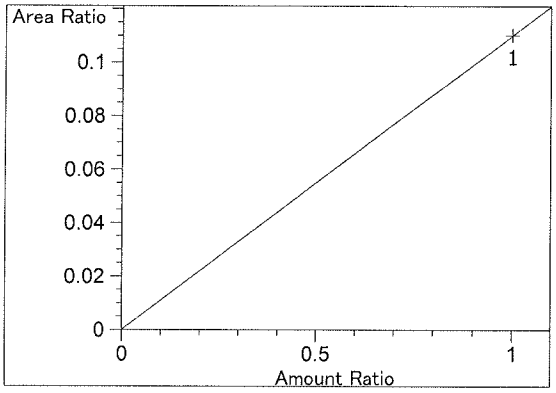
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.53698e-2
x: Amount Ratio
y: Area Ratio



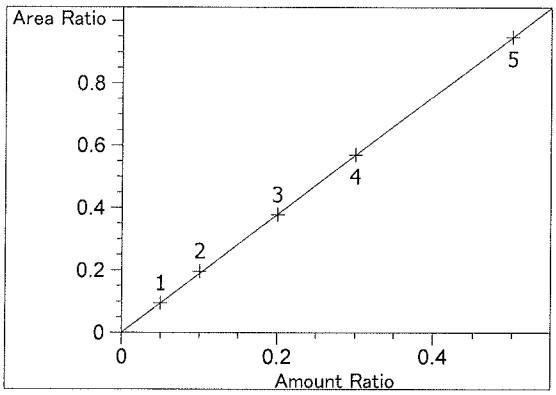
Ethanol at exp. RT: 3.103
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00365
Formula: y = mx
m: 1.87298
x: Amount Ratio
y: Area Ratio



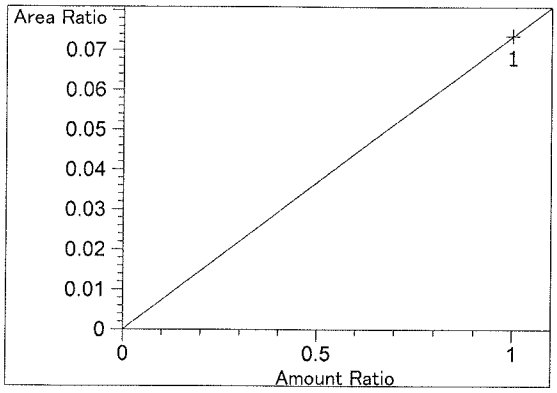
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.85220e-2
x: Amount Ratio
y: Area Ratio



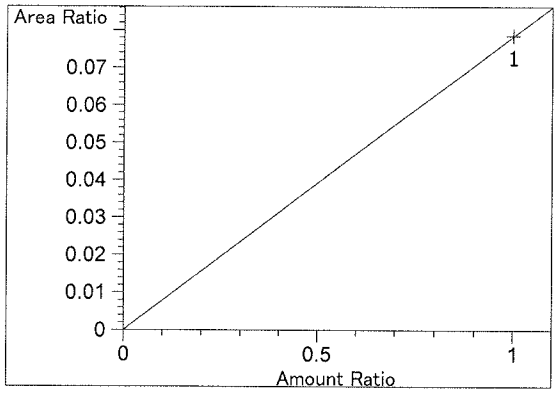
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.10161e-1
x: Amount Ratio
y: Area Ratio



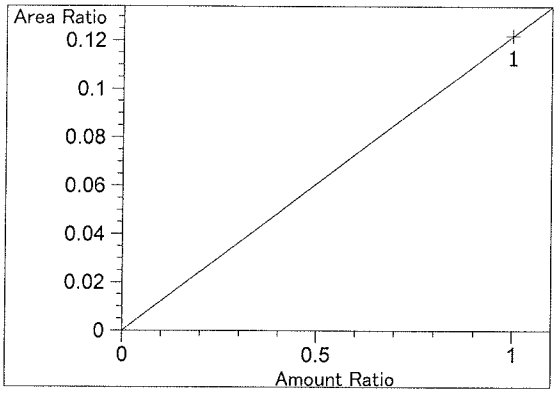
Ethanol at exp. RT: 4.173
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00337
Formula: y = mx
m: 1.89772
x: Amount Ratio
y: Area Ratio



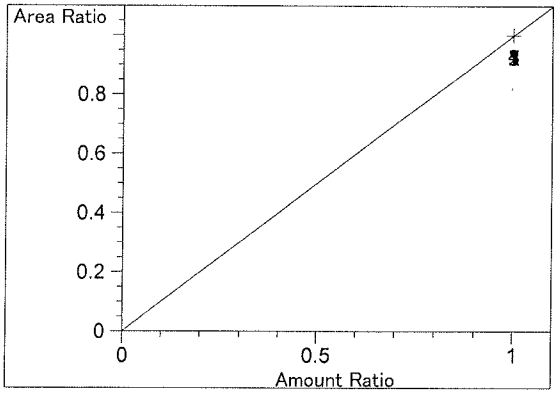
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.35808e-2
x: Amount Ratio
y: Area Ratio



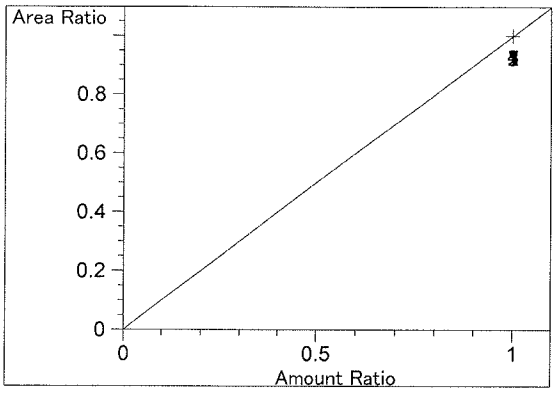
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.85009e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.21930e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.934
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 7.608
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_05.02.2018_11.23.49\2-5-18cal.S

Sample Summary

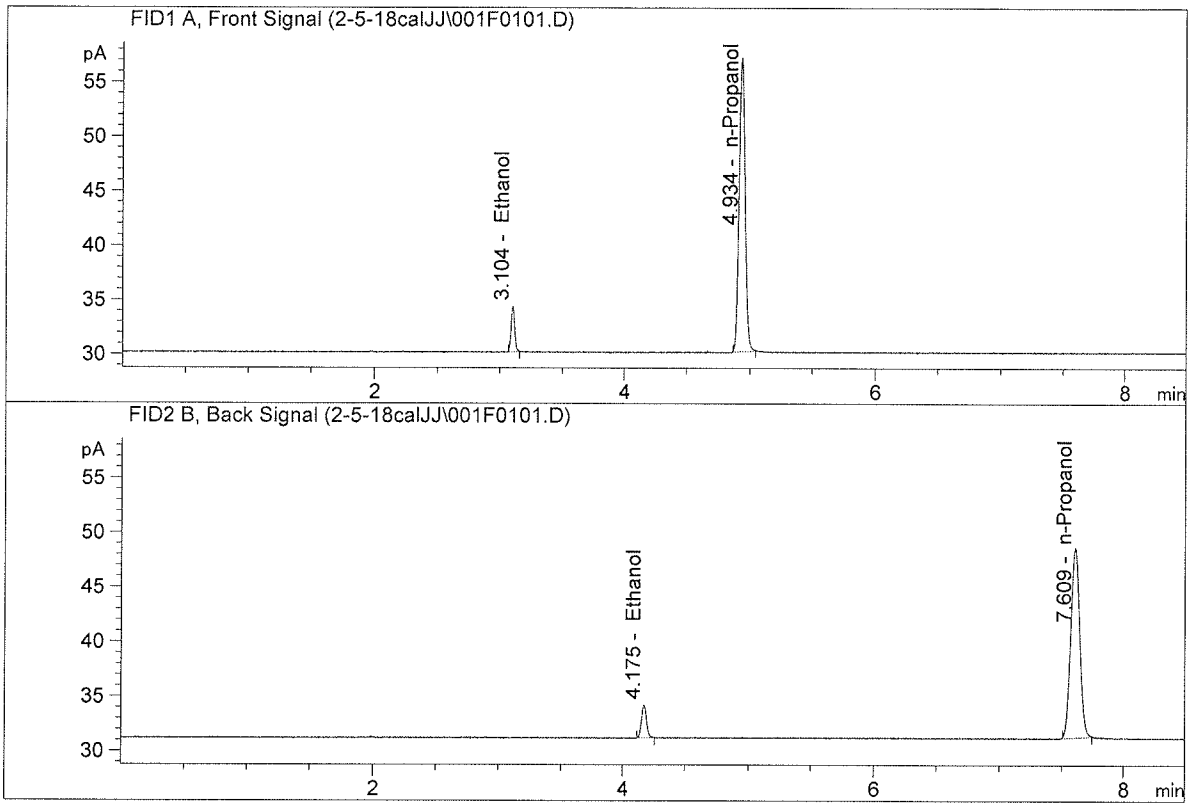
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_05.02.2018_11.23.49\2-5-18cal.S
Data directory path: C:\Chem32\1\Data\2-5-18calJJ
Logbook: C:\Chem32\1\Data\2-5-18calJJ\2-5-18cal.LOG
Sequence start: 2/5/2018 11:37:33 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.23207	0.0498	g/100cc
2.	Ethanol	Column 2:	8.26147	0.0496	g/100cc
3.	n-Propanol	Column 1:	88.33011	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.80808	1.0000	g/100cc

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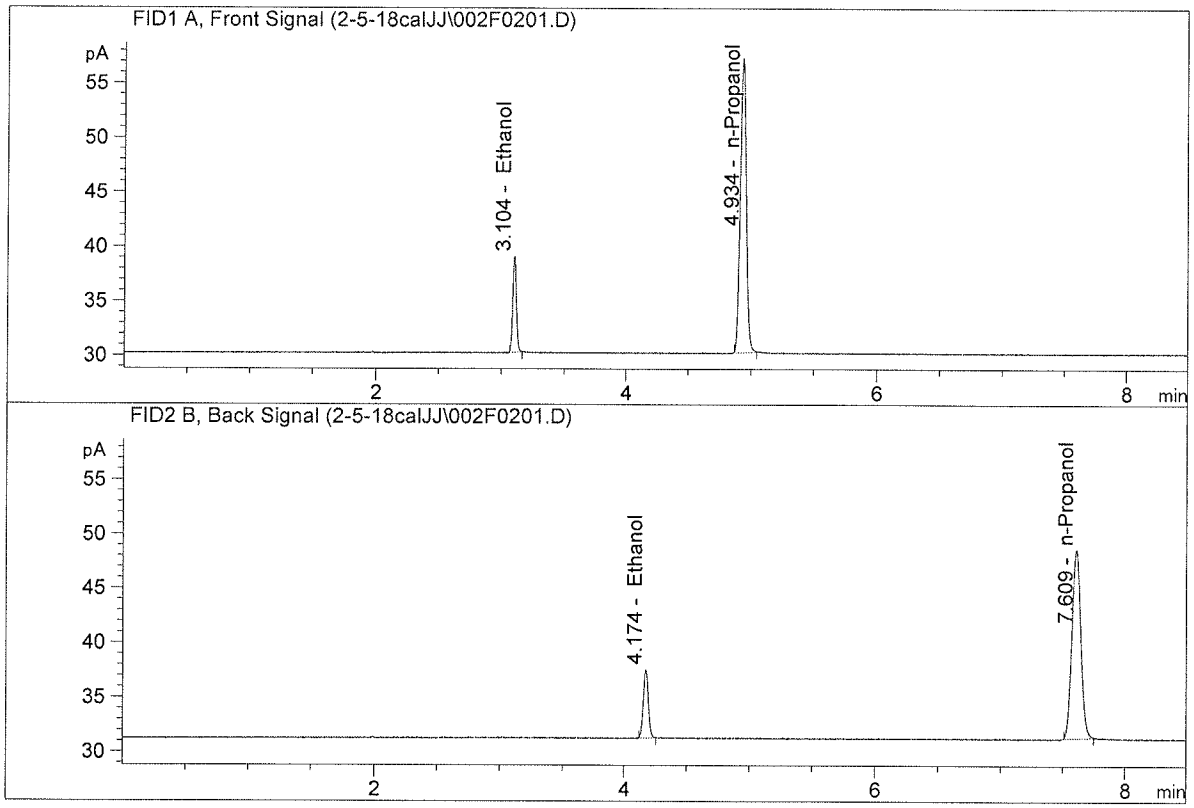
ISP Forensic Services Blood Alcohol Report

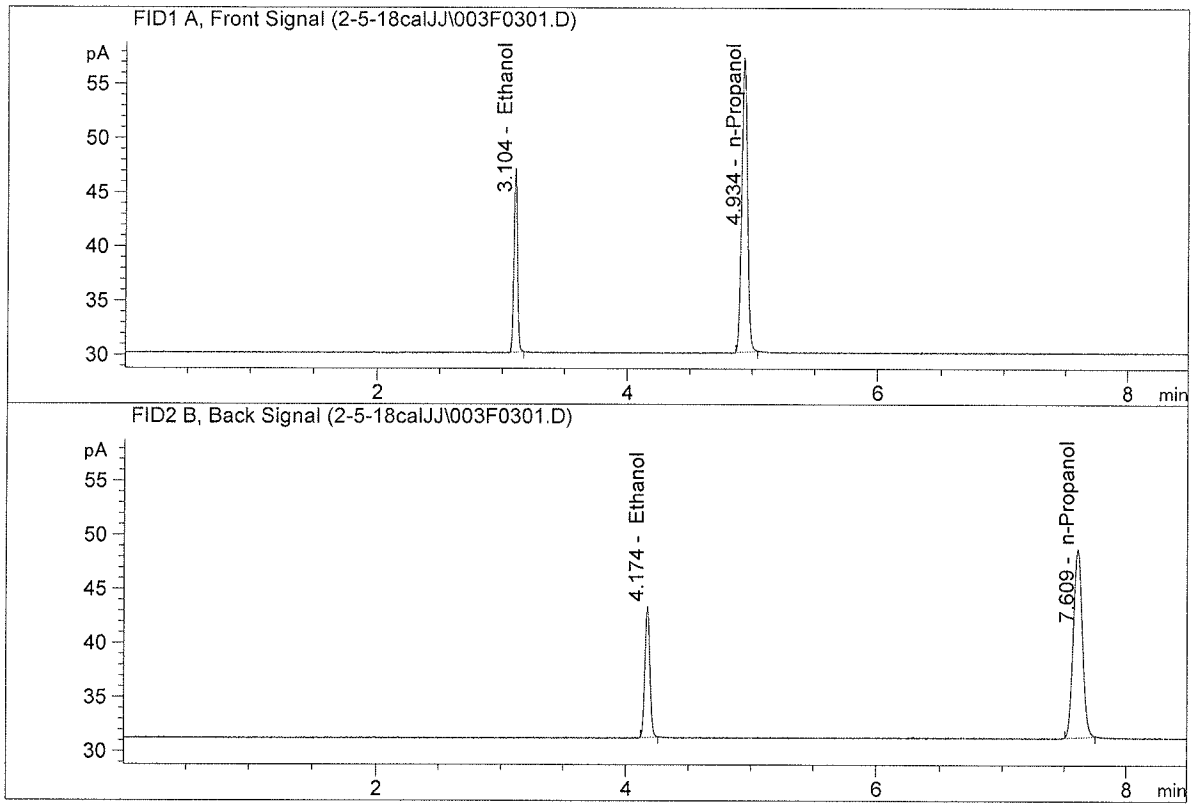
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.18896	0.1038	g/100cc
2.	Ethanol	Column 2:	17.18776	0.1033	g/100cc
3.	n-Propanol	Column 1:	88.44606	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.69424	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

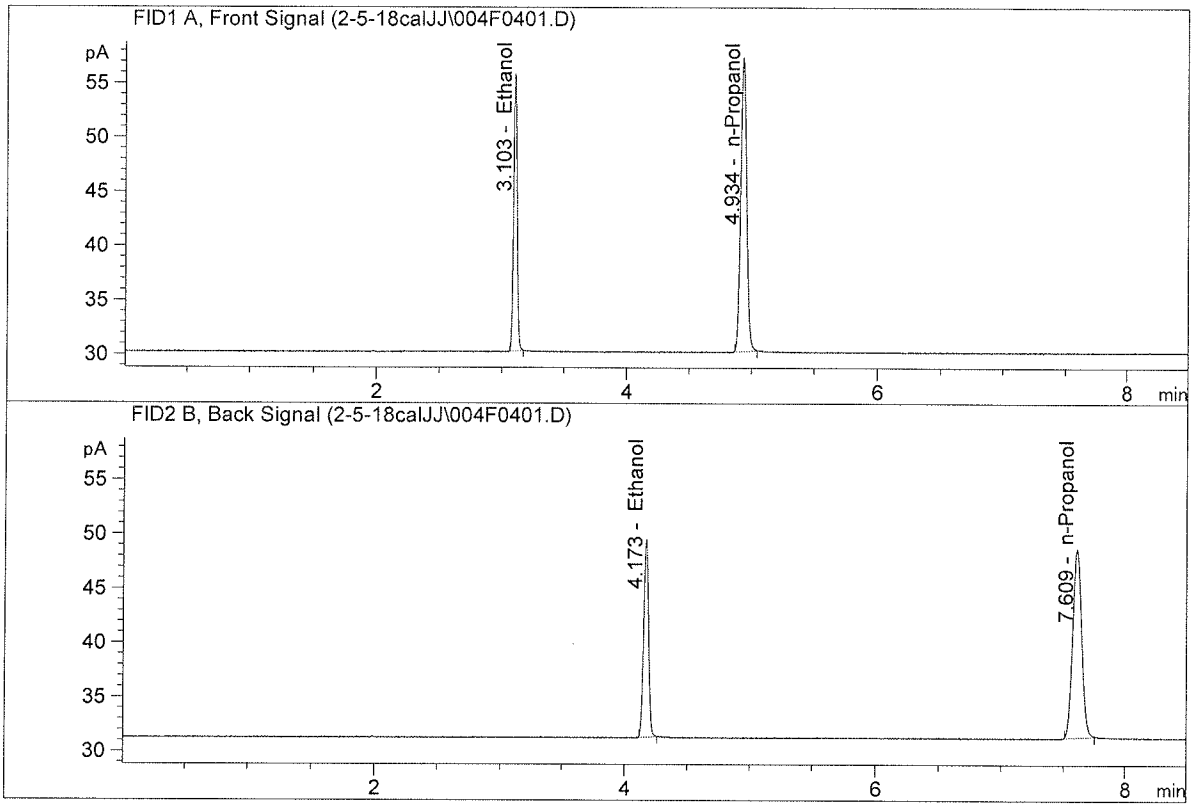
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.15729	0.1995	g/100cc
2.	Ethanol	Column 2:	33.10777	0.1987	g/100cc
3.	n-Propanol	Column 1:	88.72220	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.79287	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

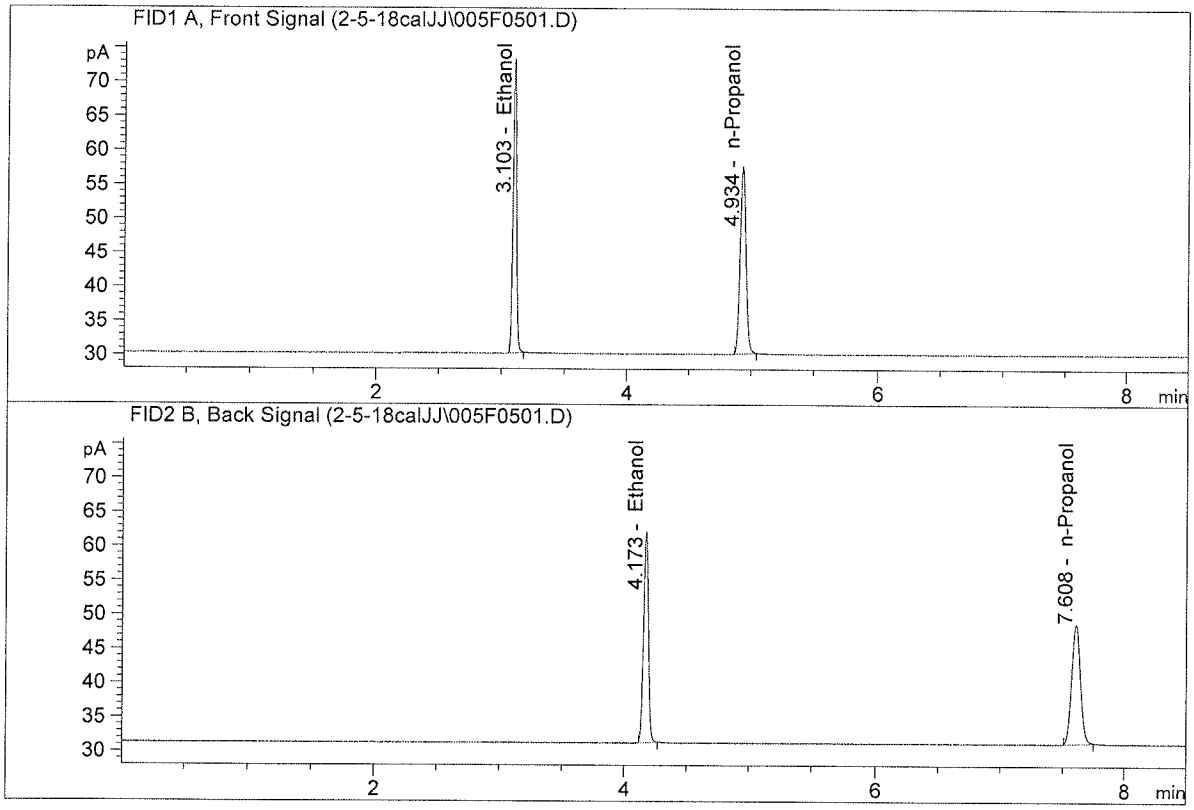
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	49.92757	0.3004	g/100cc
2.	Ethanol	Column 2:	49.86530	0.3001	g/100cc
3.	n-Propanol	Column 1:	88.73495	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.55720	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

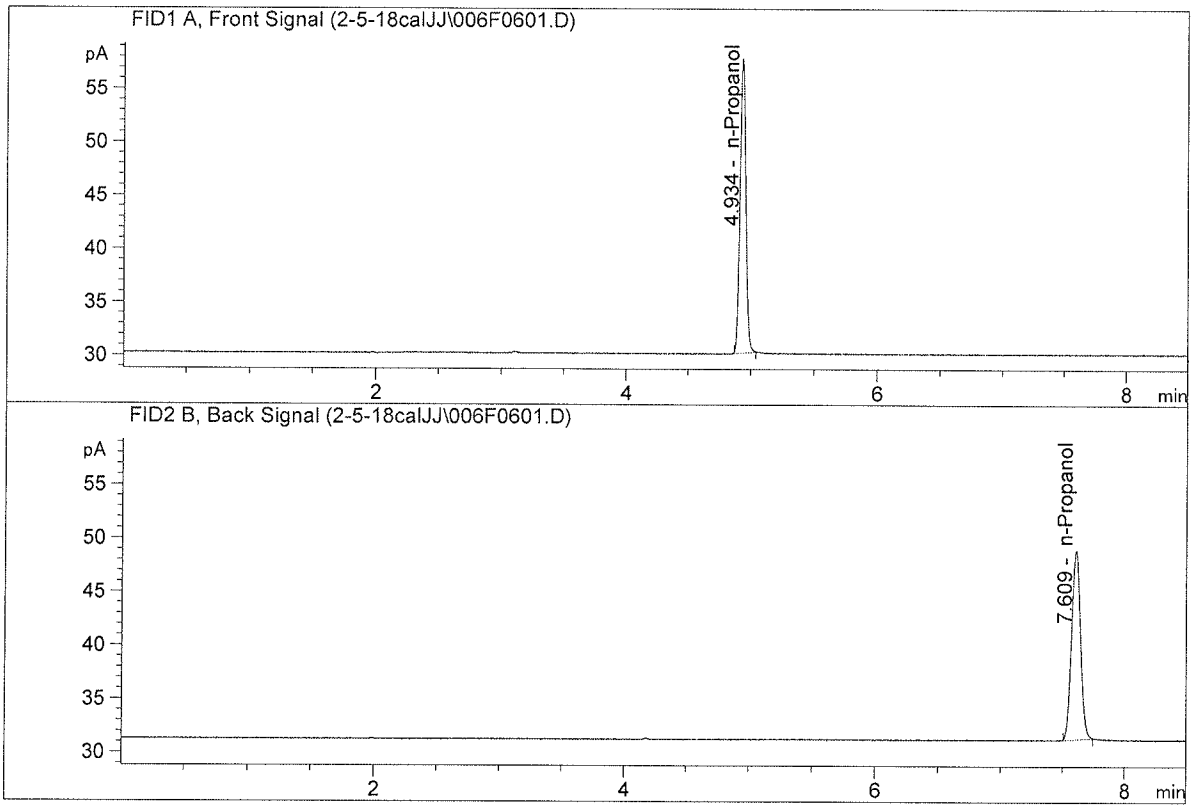
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	84.02734	0.4992	g/100cc
2.	Ethanol	Column 2:	84.13448	0.4998	g/100cc
3.	n-Propanol	Column 1:	89.86732	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.69810	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 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:	90.11900	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.18597	1.0000	g/100cc

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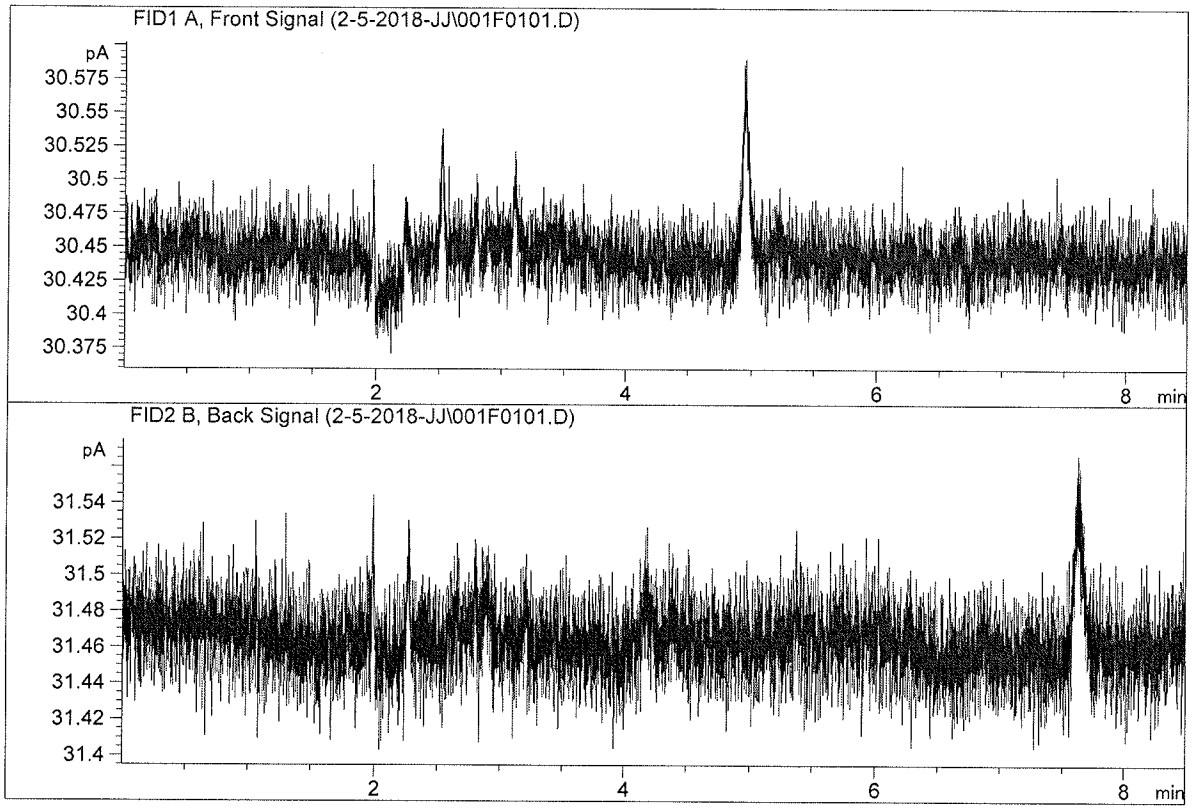
ISP Forensic Services Blood Alcohol Report

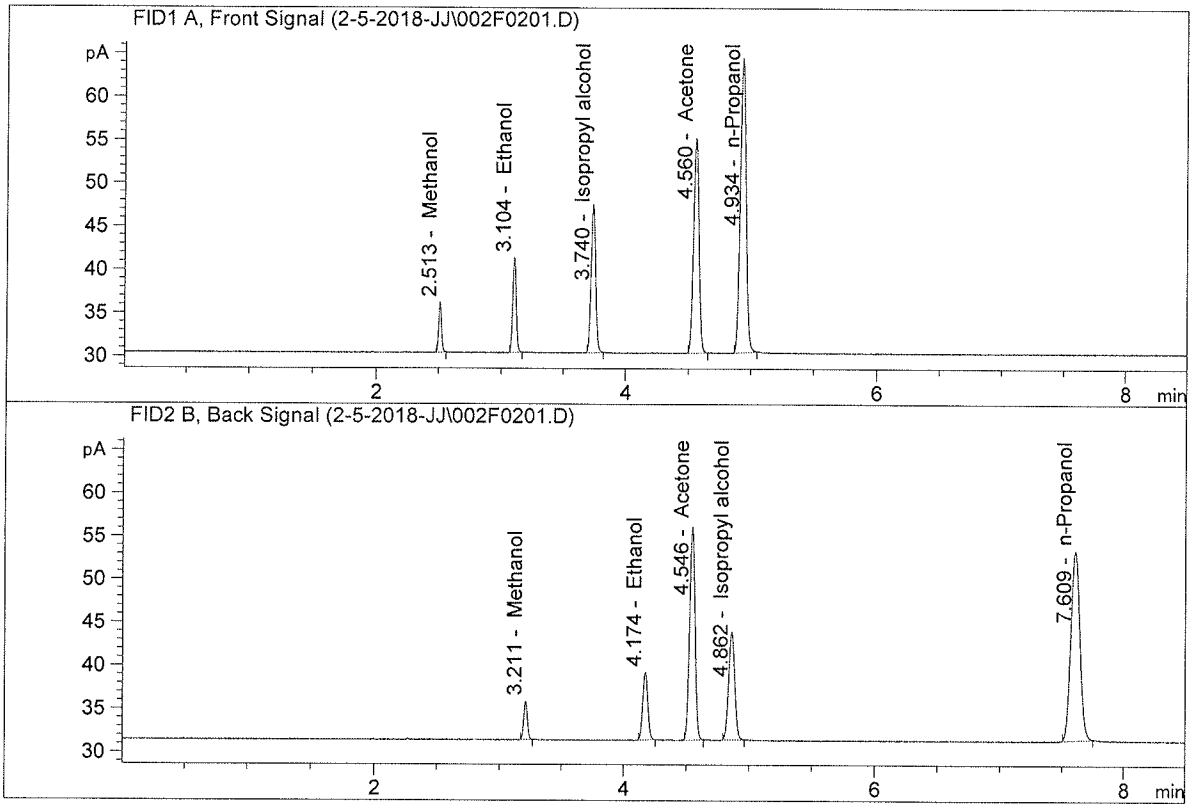
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

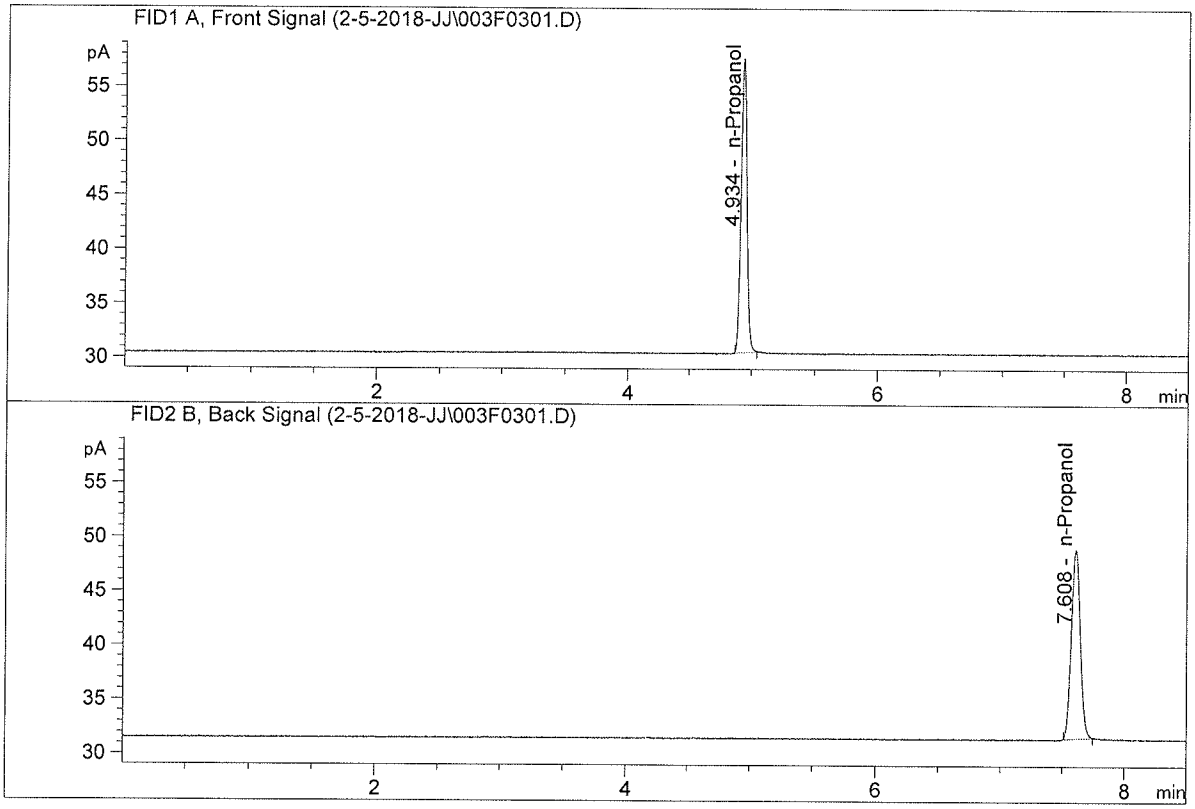
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.46869	0.1030	g/100cc
2.	Ethanol	Column 2:	21.46905	0.1026	g/100cc
3.	n-Propanol	Column 1:	111.24973	1.0000	g/100cc
4.	n-Propanol	Column 2:	110.31297	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Feb 5, 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:	88.90234	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.95322	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 05 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1959	0.1961	0.0002	0.1960	0.1957	
(g/100cc)	0.1953	0.1956	0.0003	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: ML600HC11379

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

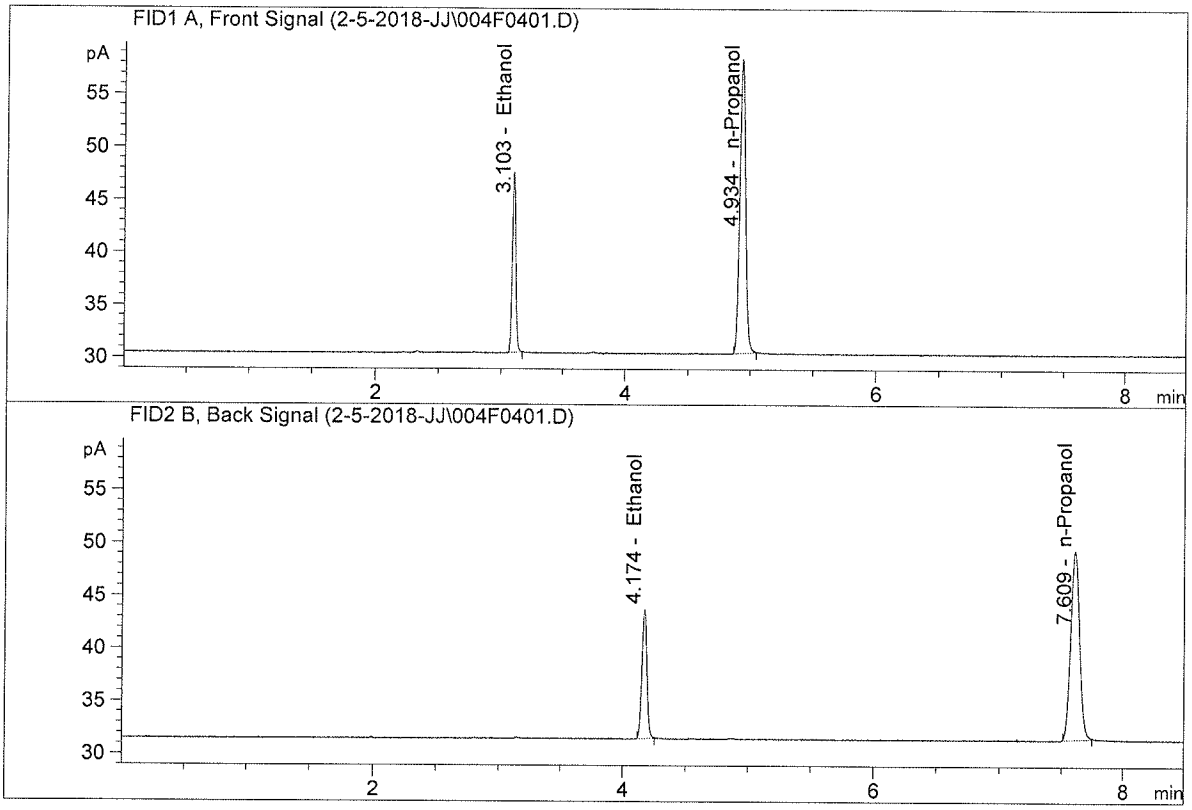
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	**0.185**	**0.205**	**0.010**

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

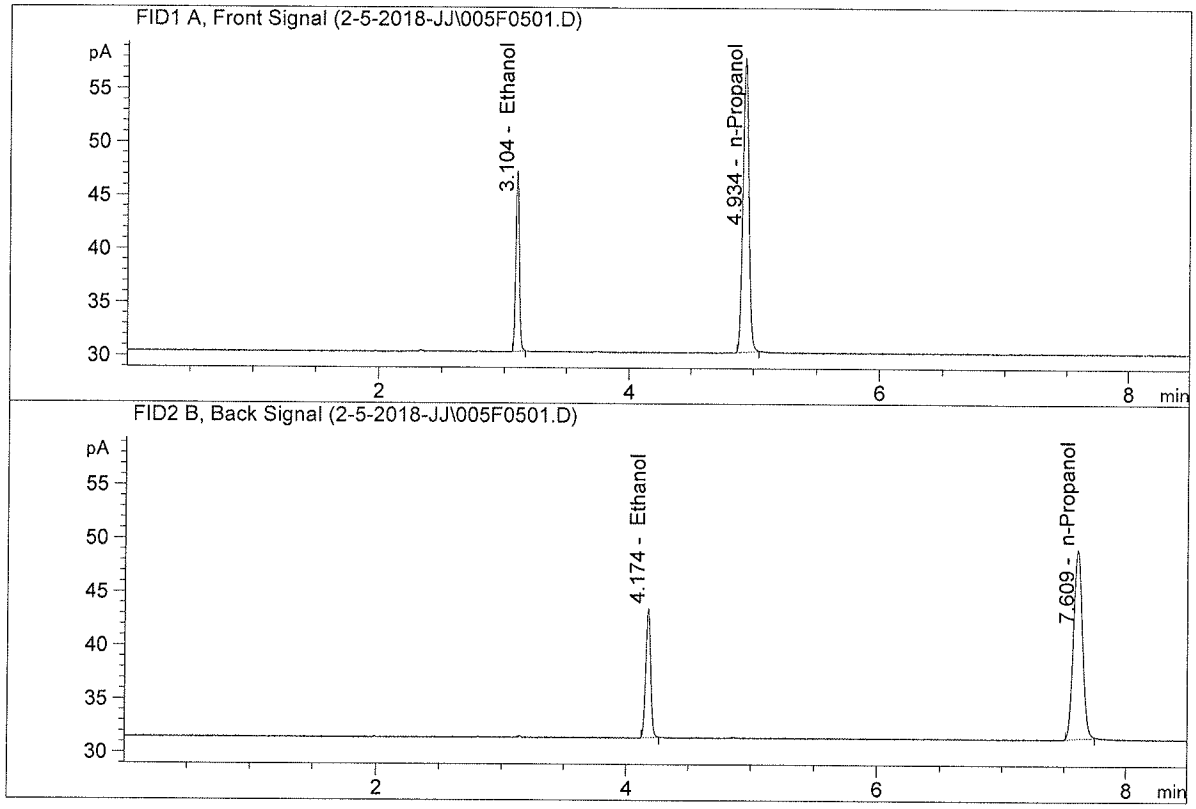
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.55910	0.1959	g/100cc
2.	Ethanol	Column 2:	33.63113	0.1961	g/100cc
3.	n-Propanol	Column 1:	91.45168	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.39175	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.06033	0.1953	g/100cc
2.	Ethanol	Column 2:	33.07394	0.1956	g/100cc
3.	n-Propanol	Column 1:	90.39626	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.11489	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 05 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0803	0.0798	0.0005	0.0800	0.0796	
(g/100cc)	0.0791	0.0793	0.0002	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: 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.

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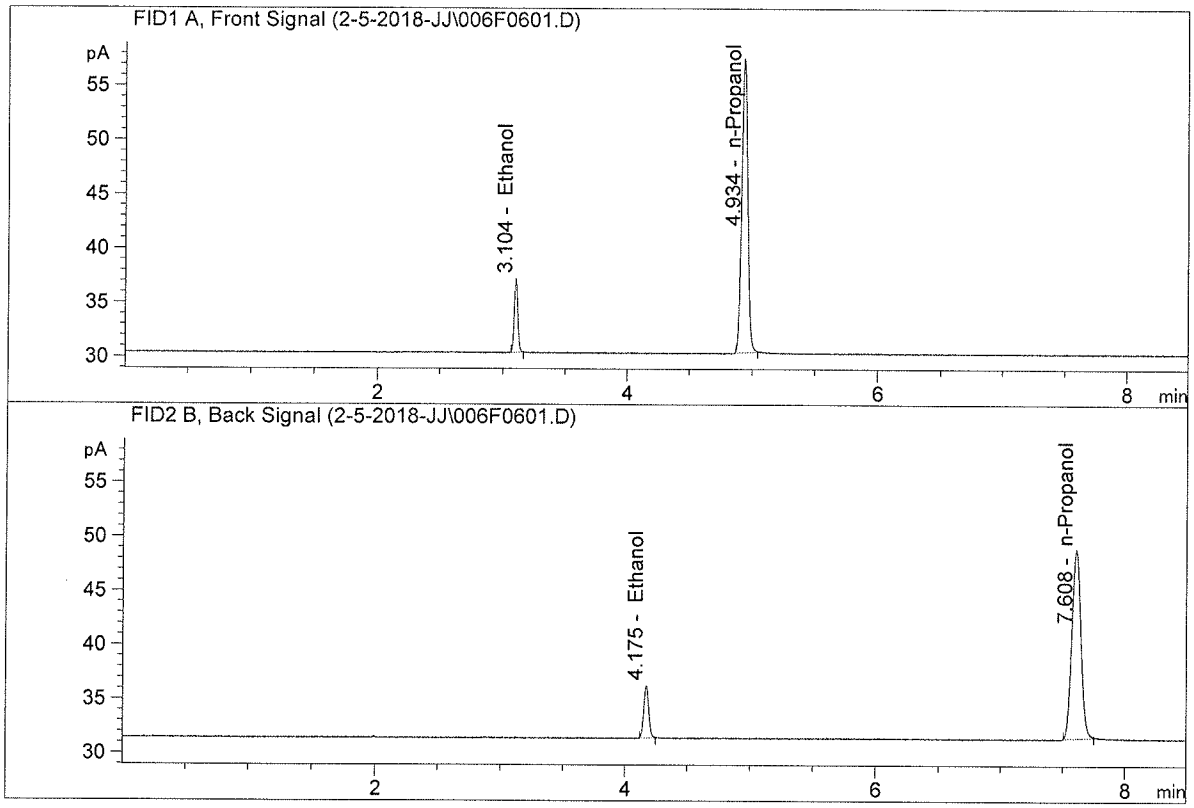
ISP Forensic Services Blood Alcohol Report

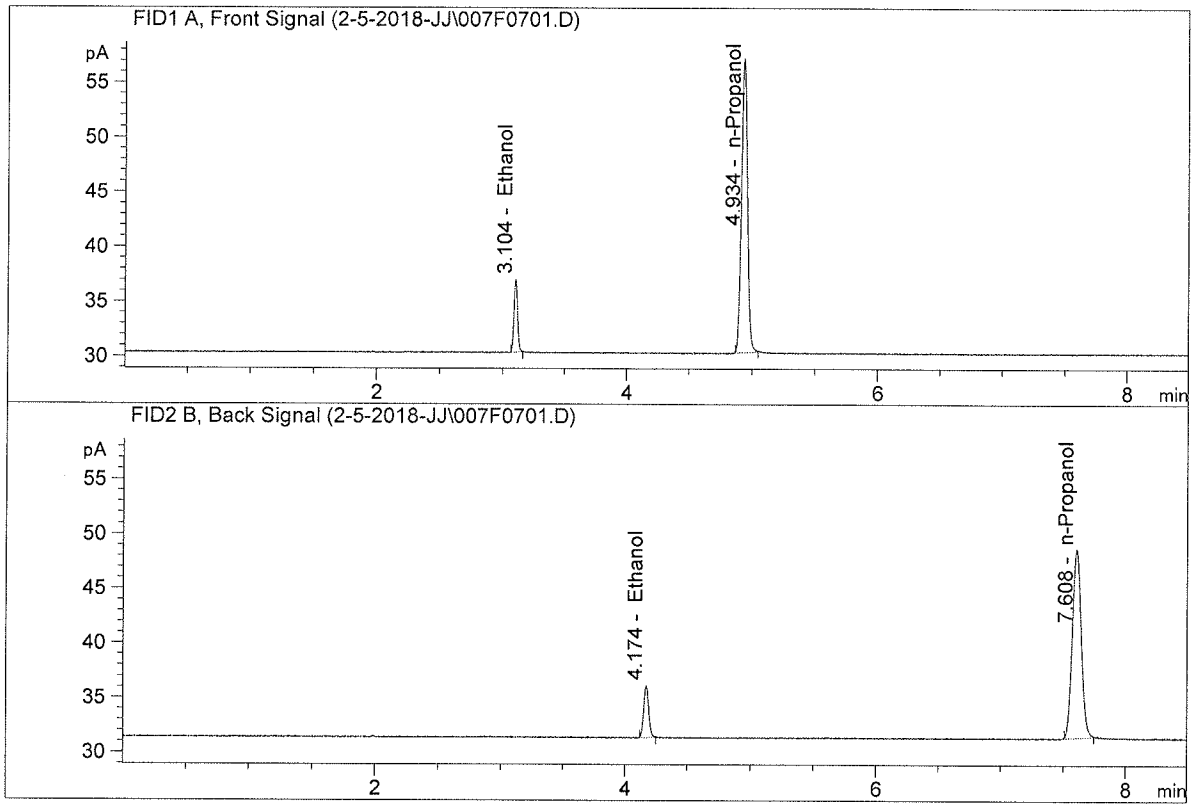
Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.37106	0.0803	g/100cc
2.	Ethanol	Column 2:	13.32000	0.0798	g/100cc
3.	n-Propanol	Column 1:	88.89534	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.98003	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.03580	0.0791	g/100cc
2.	Ethanol	Column 2:	13.07179	0.0793	g/100cc
3.	n-Propanol	Column 1:	88.03630	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.87770	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 05 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0761	0.0758	0.0003	0.0759	0.0765	
(g/100cc)	0.0772	0.0771	0.0001	0.0771		

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
0.076	**0.072**	**0.080**	**0.004**

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

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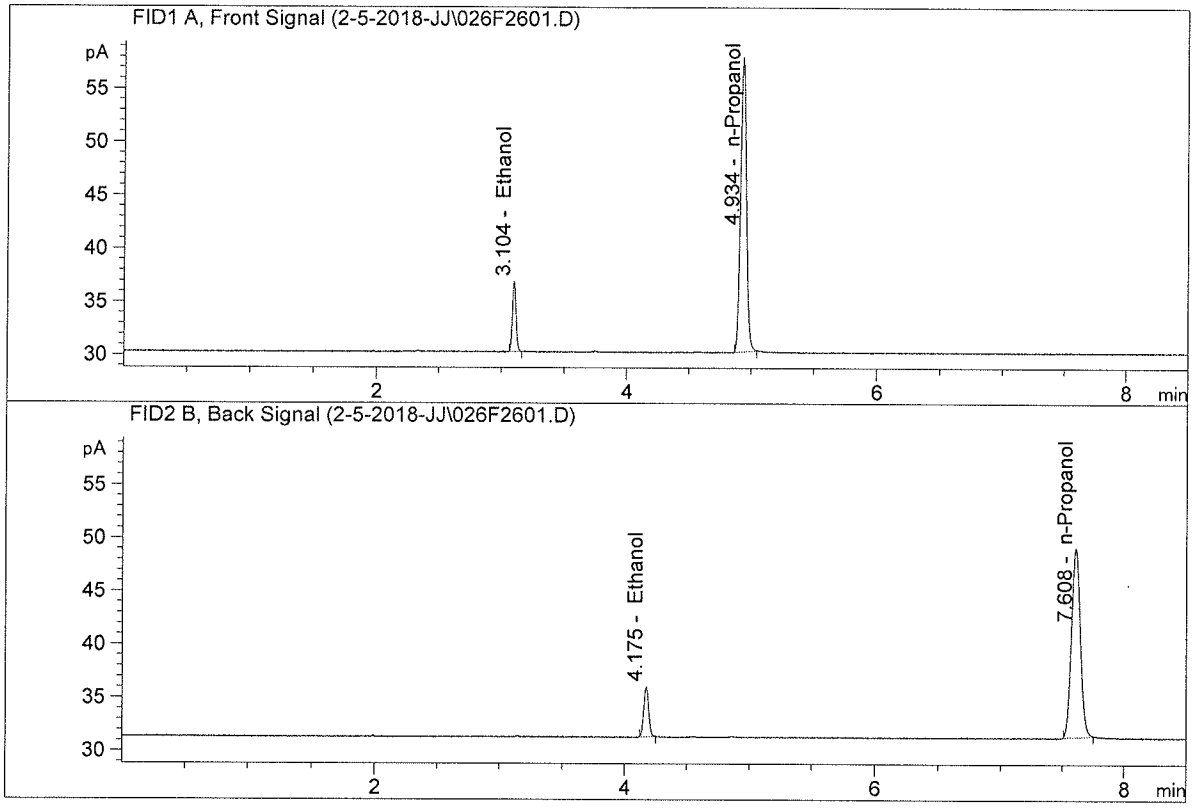
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.91152	0.0761	g/100cc
2.	Ethanol	Column 2:	12.88280	0.0758	g/100cc
3.	n-Propanol	Column 1:	90.59858	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.59548	1.0000	g/100cc

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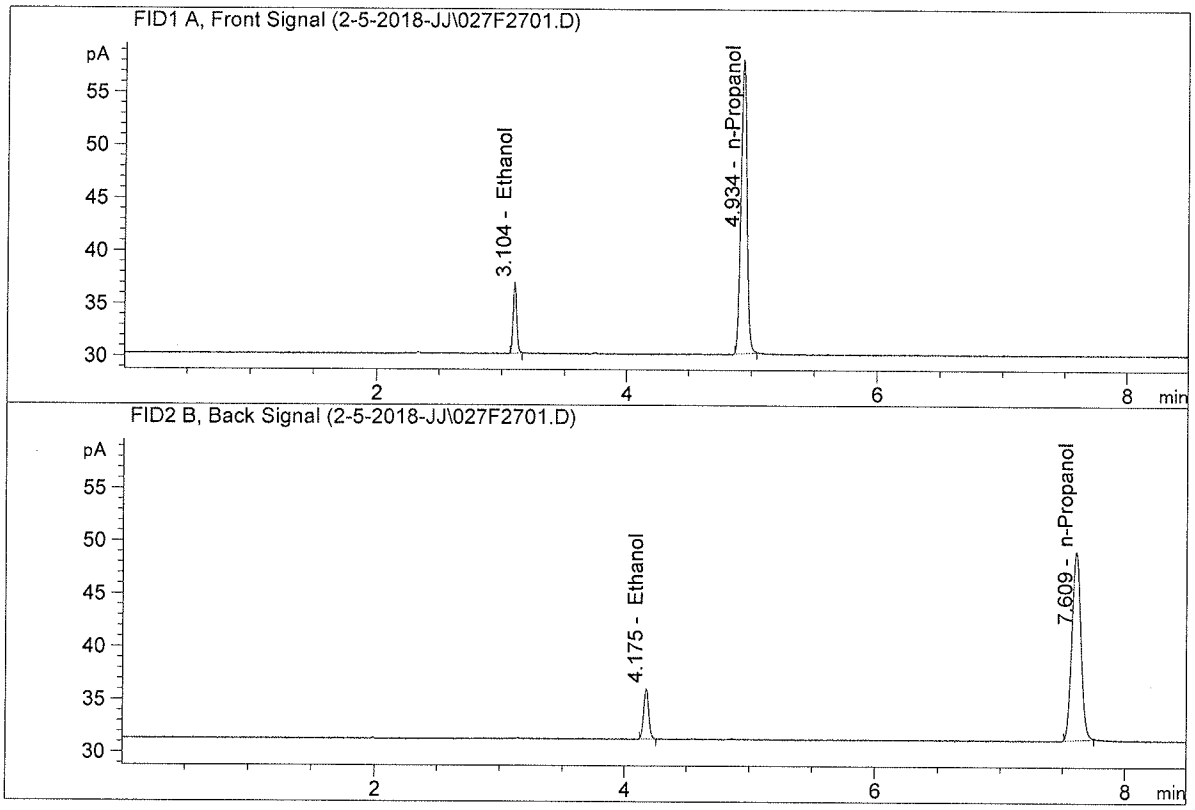
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.18722	0.0772	g/100cc
2.	Ethanol	Column 2:	13.20175	0.0771	g/100cc
3.	n-Propanol	Column 1:	91.18942	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.24030	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 05 Feb 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1981	0.1984	0.0003	0.1982	0.1974	
(g/100cc)	0.1968	0.1965	0.0003	0.1966		

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
0.197	**0.187**	**0.207**	**0.010**

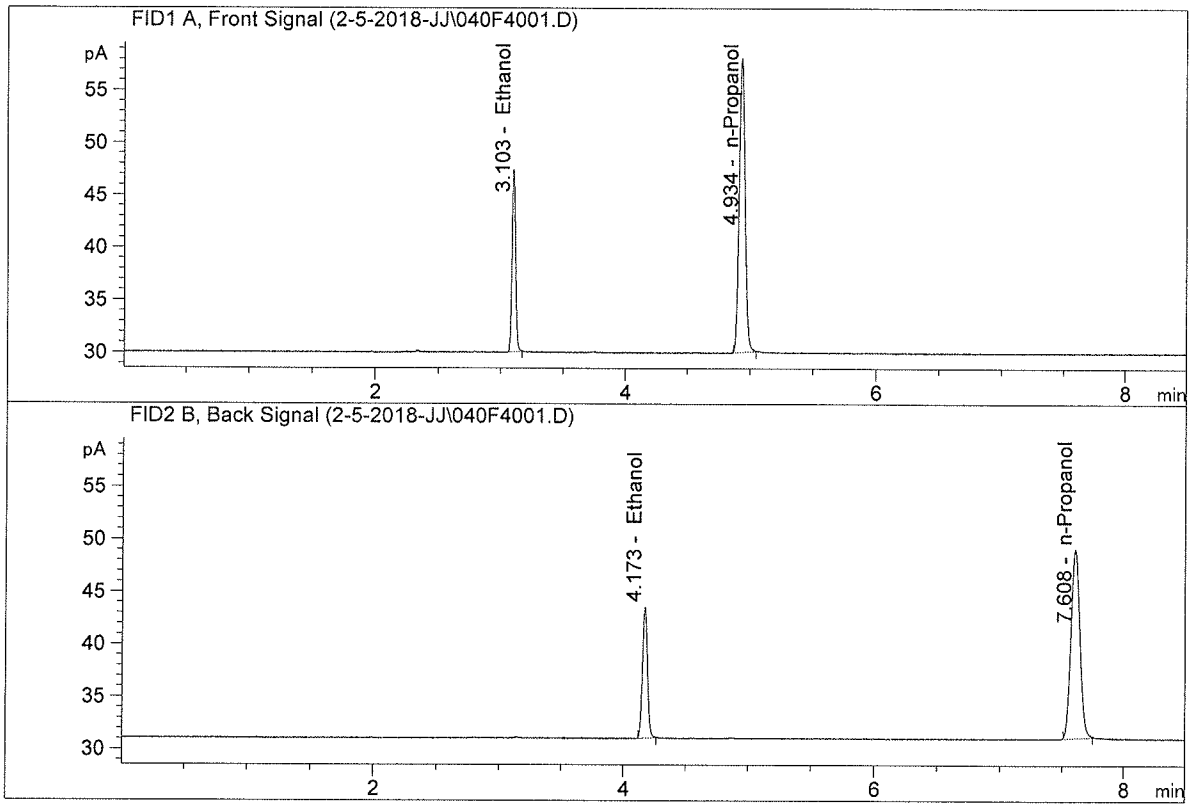
Reported Result

0.197

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

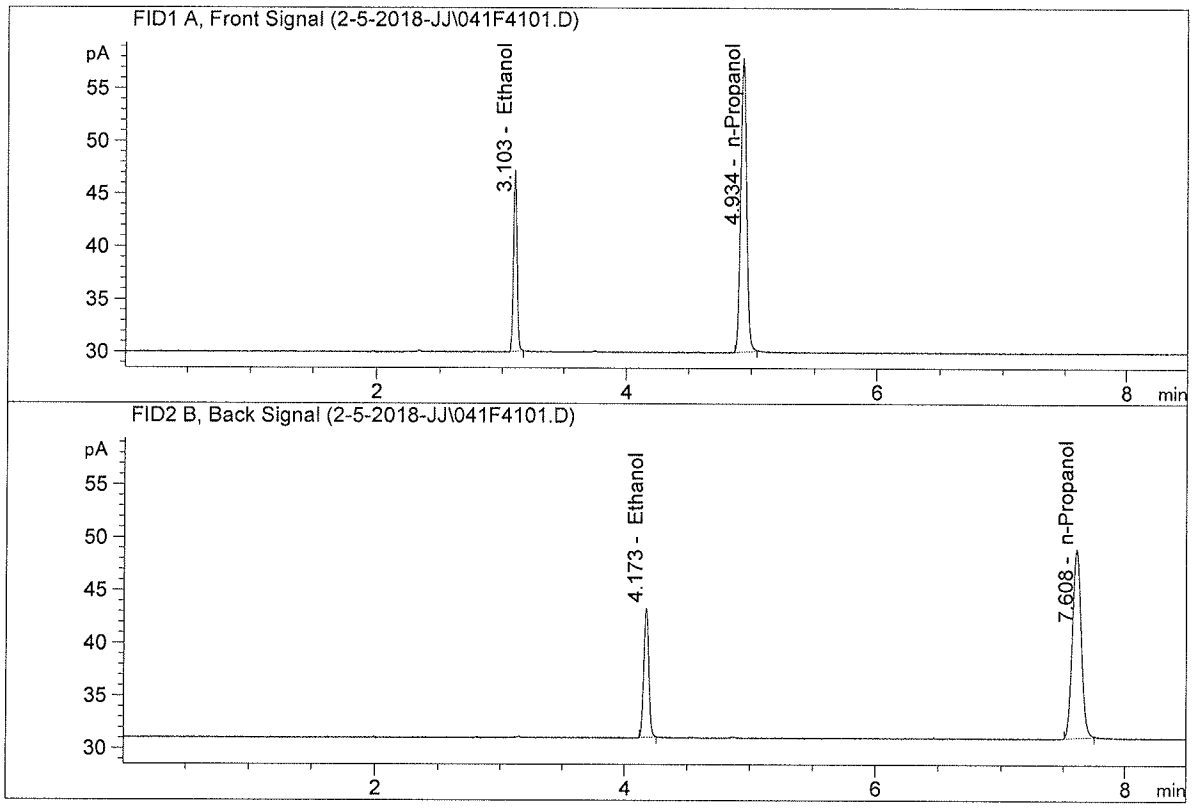
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.15073	0.1981	g/100cc
2.	Ethanol	Column 2:	34.21589	0.1984	g/100cc
3.	n-Propanol	Column 1:	92.06434	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.88705	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

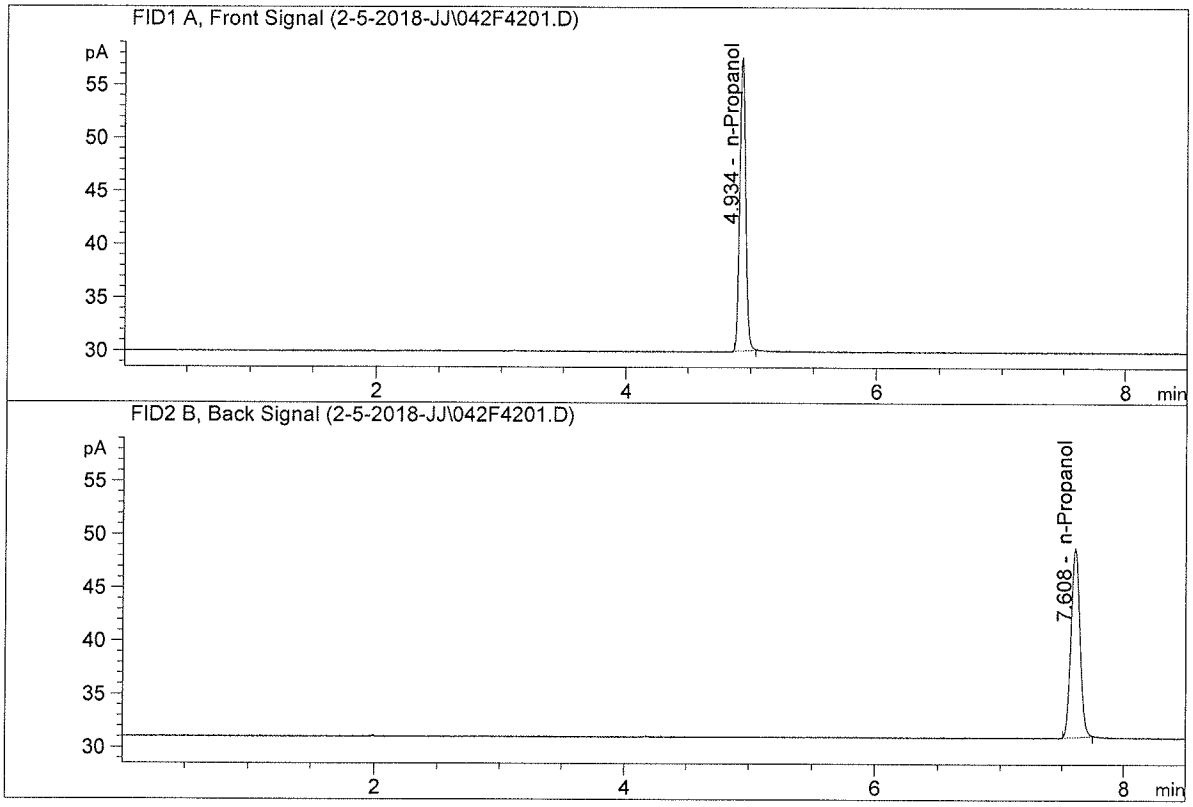
Sample Name	:	QC-2-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Feb 5, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.69751	0.1968	g/100cc
2.	Ethanol	Column 2:	33.64354	0.1965	g/100cc
3.	n-Propanol	Column 1:	91.43694	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.23823	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

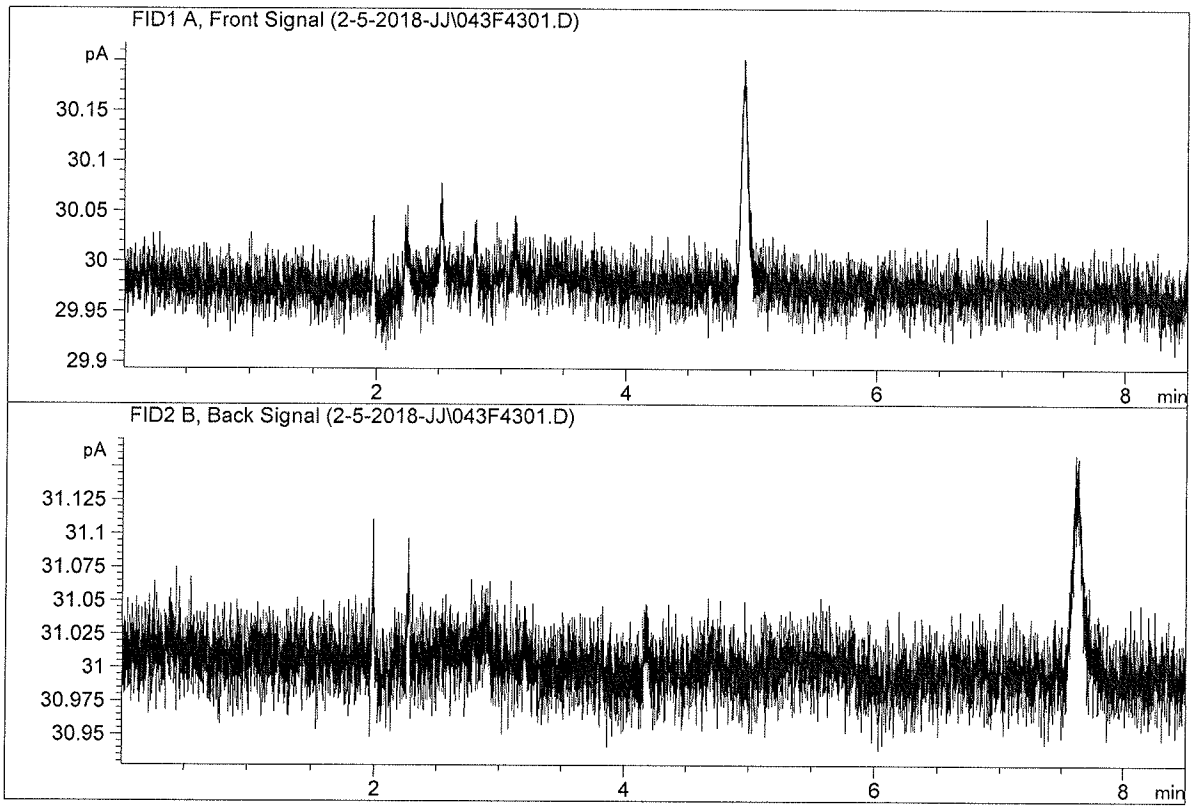
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	90.55219	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.62694	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Feb 5, 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