Worklist: 2290 A

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-0464	1	109412	Alcohol Analysis
~~C2018-0468~~	1	110943	Alcohol Analysis
C2018-0496	1	110055	Alcohol Analysis
~~C2018-0522~~	1	110231	Alcohol Analysis
C2018-0531	1	110344	Alcohol Analysis
C2018-0542	1	110560	Alcohol Analysis
C2018-0552	1	110675	Alcohol Analysis
C2018-0557	1	110684	Alcohol Analysis
~~C2018-0583~~	1	110795	Alcohol Analysis
C2018-0601	1	110978	Alcohol Analysis
P2017-2659	1	110877	Alcohol Analysis
P2017-2659	2	110878	Alcohol Analysis

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_25.03.2018_12.12.38\3-25-2018.S
Data directory path: C:\Chem32\1\Data\3-25-2018-JJ
Logbook: C:\Chem32\1\Data\3-25-2018-JJ\3-25-2018.LOG
Sequence start: 3/25/2018 12:26:22 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	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 10281510 99	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09051304	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304 10281510 99	-	1.0000	007F0701.D		4
8	8	1	C2018-0464-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-0464-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-0468-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-0468-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-0496-1-A	-	1.0000	012F1201.D		4
13	13	1	C2018-0496-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-0522-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-0522-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-0531-1-A	-	1.0000	016F1601.D		6
17	17	1	C2018-0531-1-B	-	1.0000	017F1701.D		6
18	18	1	C2018-0542-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-0542-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-0557-1-A	-	1.0000	020F2001.D		4
21	21	1	C2018-0557-1-B	-	1.0000	021F2101.D		4
22	22	1	C2018-0583-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-0583-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-0601-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-0601-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-1-A	-	1.0000	026F2601.D		4
27	27	1	QC-1-B 299	-	1.0000	027F2701.D		4
28	28	1	P2018-2659-1-A	-	1.0000	028F2801.D		4
29	29	1	P2018-2659-1-B 299	-	1.0000	029F2901.D		4
30	30	1	C2018-0552-1-A	-	1.0000	030F3001.D		2
31	31	1	C2018-0552-1-B	-	1.0000	031F3101.D		2
32	32	1	ISTD BLANK	-	1.0000	032F3201.D		2
33	33	1	QC-2-A	-	1.0000	033F3301.D		4
34	34	1	QC-2-B	-	1.0000	034F3401.D		4
35	35	1	ISTD BLANK	-	1.0000	035F3501.D		2
36	36	1	water	-	1.0000	036F3601.D		0

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):3/25/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0749 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1919 g/100cc
					0.1938 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	0.0499	0.0494	0.0005	0.0496
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.1012	0.1002	0.001	0.1007
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1999	0.1987	0.0012	0.1993
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3019	0.3017	0.0002	0.3018
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4987	0.4996	0.0009	0.4991

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.

Calibration Table

General Calibration Setting

Calib. Data Modified : Sunday, March 25, 2018 12:02:14 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

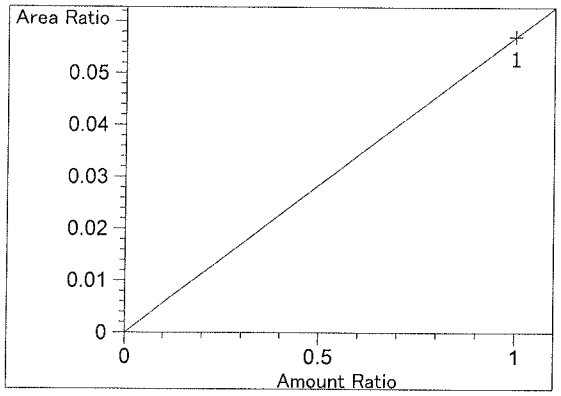
Overview Table

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	8.05388	6.20819e-3	No	No	1	Ethanol
		2	1.00000e-1	16.44928	6.07929e-3				
		3	2.00000e-1	33.37008	5.99339e-3				
		4	3.00000e-1	49.42825	6.06940e-3				
		5	5.00000e-1	82.85979	6.03429e-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	8.06836	6.19705e-3	No	No	2	Ethanol
		2	1.00000e-1	16.38506	6.10312e-3				
		3	2.00000e-1	33.32778	6.00100e-3				
		4	3.00000e-1	49.53711	6.05607e-3				
		5	5.00000e-1	83.00584	6.02367e-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	87.89870	1.13767e-2	No	Yes	1	n-Propanol
		2	1.00000	88.42496	1.13090e-2				
		3	1.00000	90.83842	1.10086e-2				
		4	1.00000	89.08559	1.12252e-2				
		5	1.00000	90.39918	1.10620e-2				
7.606	2	1	1.00000	87.60324	1.14151e-2	No	Yes	2	n-Propanol
		2	1.00000	87.79264	1.13905e-2				
		3	1.00000	90.02835	1.11076e-2				
		4	1.00000	88.11658	1.13486e-2				
		5	1.00000	89.16483	1.12152e-2				

Peak Sum Table

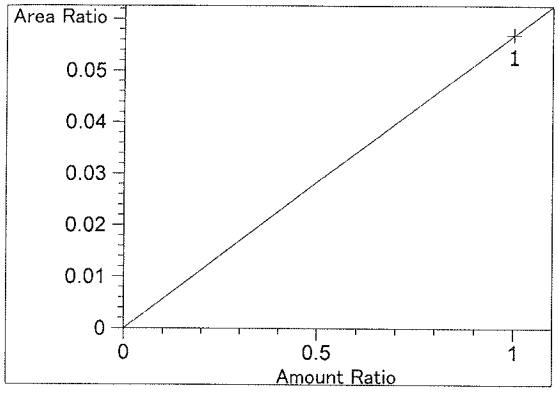
No Entries in table

Calibration Curves

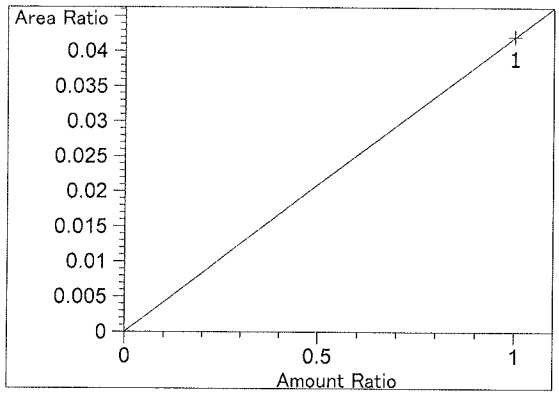


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.70755e-2
x: Amount Ratio
y: Area Ratio

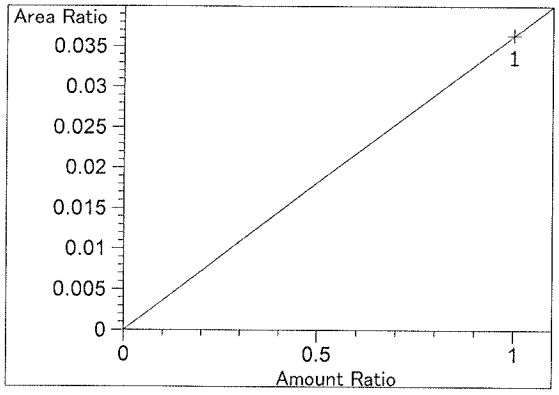
99



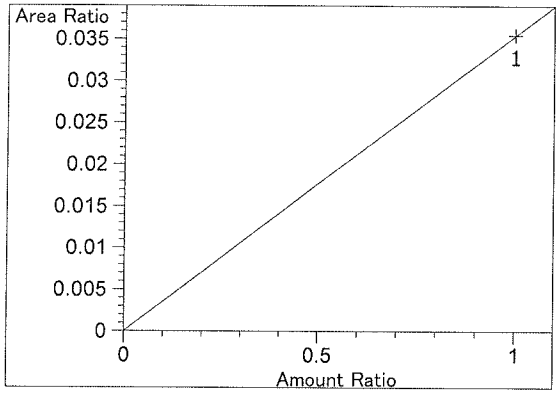
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.68837e-2
x: Amount Ratio
y: Area Ratio



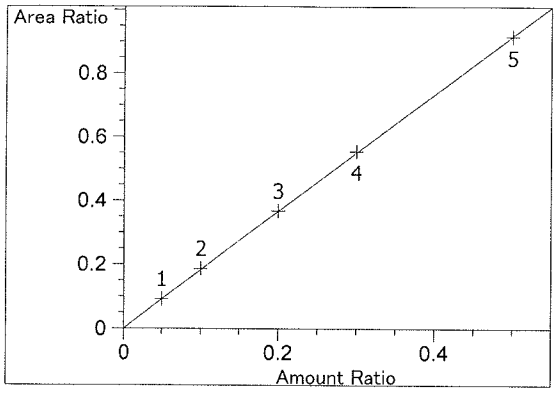
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.20563e-2
x: Amount Ratio
y: Area Ratio



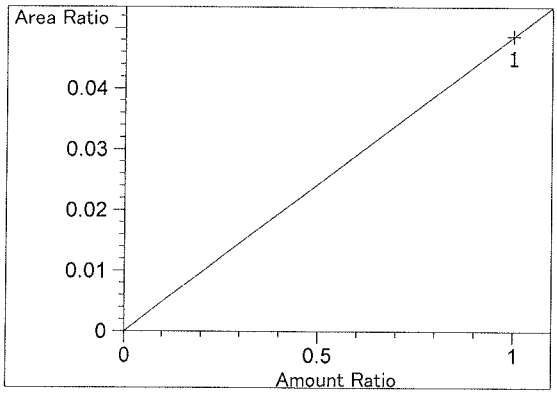
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.63272e-2
x: Amount Ratio
y: Area Ratio



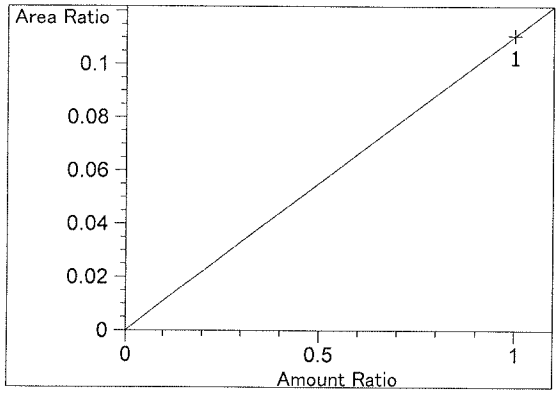
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.54525e-2
x: Amount Ratio
y: Area Ratio



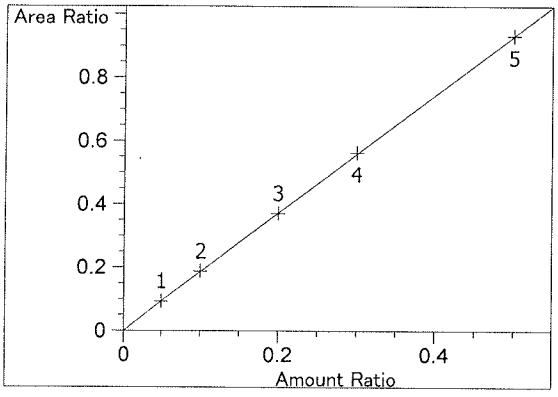
Ethanol at exp. RT: 3.102
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00238
Formula: y = mx
m: 1.83798
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.86355e-2
x: Amount Ratio
y: Area Ratio

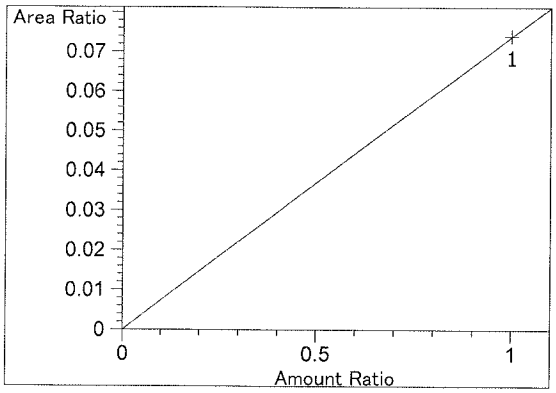


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.10702e-1
x: Amount Ratio
y: Area Ratio

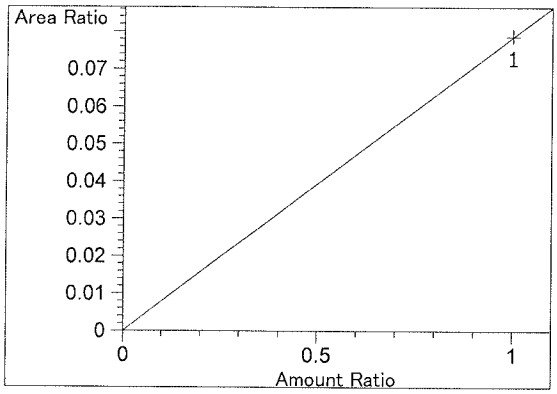


Ethanol at exp. RT: 4.172
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00212
Formula: y = mx
m: 1.86350
x: Amount Ratio
y: Area Ratio

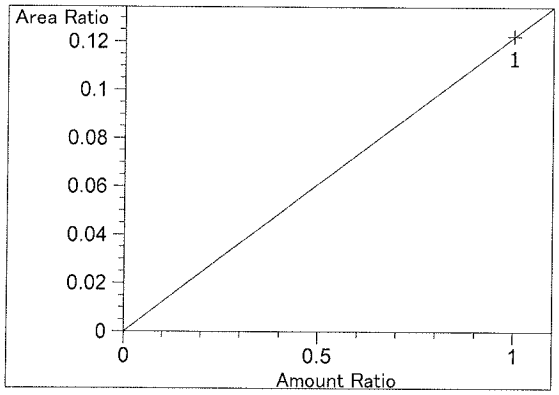
99



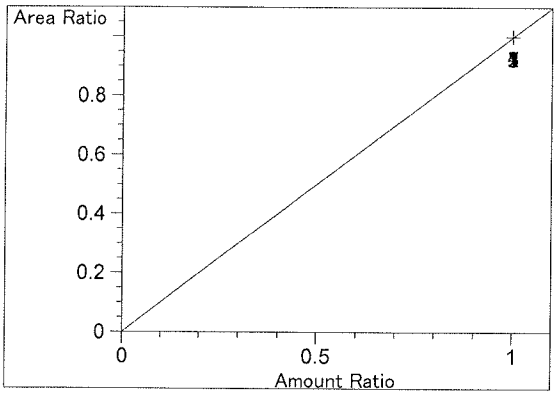
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.39420e-2
x: Amount Ratio
y: Area Ratio



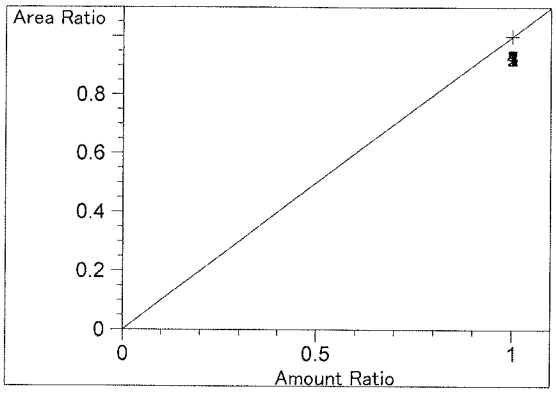
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.86844e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.22215e-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



n-Propanol at exp. RT: 7.606
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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_25.03.2018_10.14.28\3-25-18cal.S

Sample Summary

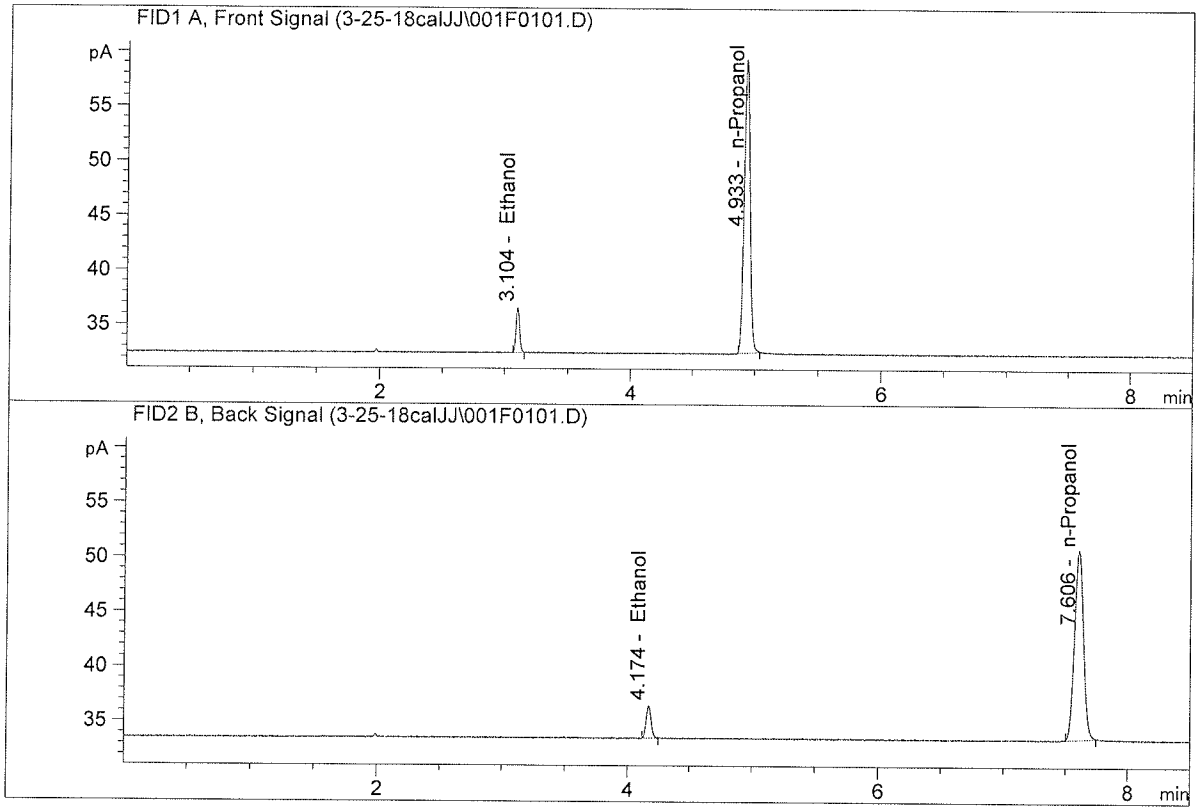
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_25.03.2018_10.14.28\3-25-18cal.S
Data directory path: C:\Chem32\1\Data\3-25-18calJJ
Logbook: C:\Chem32\1\Data\3-25-18calJJ\3-25-18cal.LOG
Sequence start: 3/25/2018 10:28:11 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

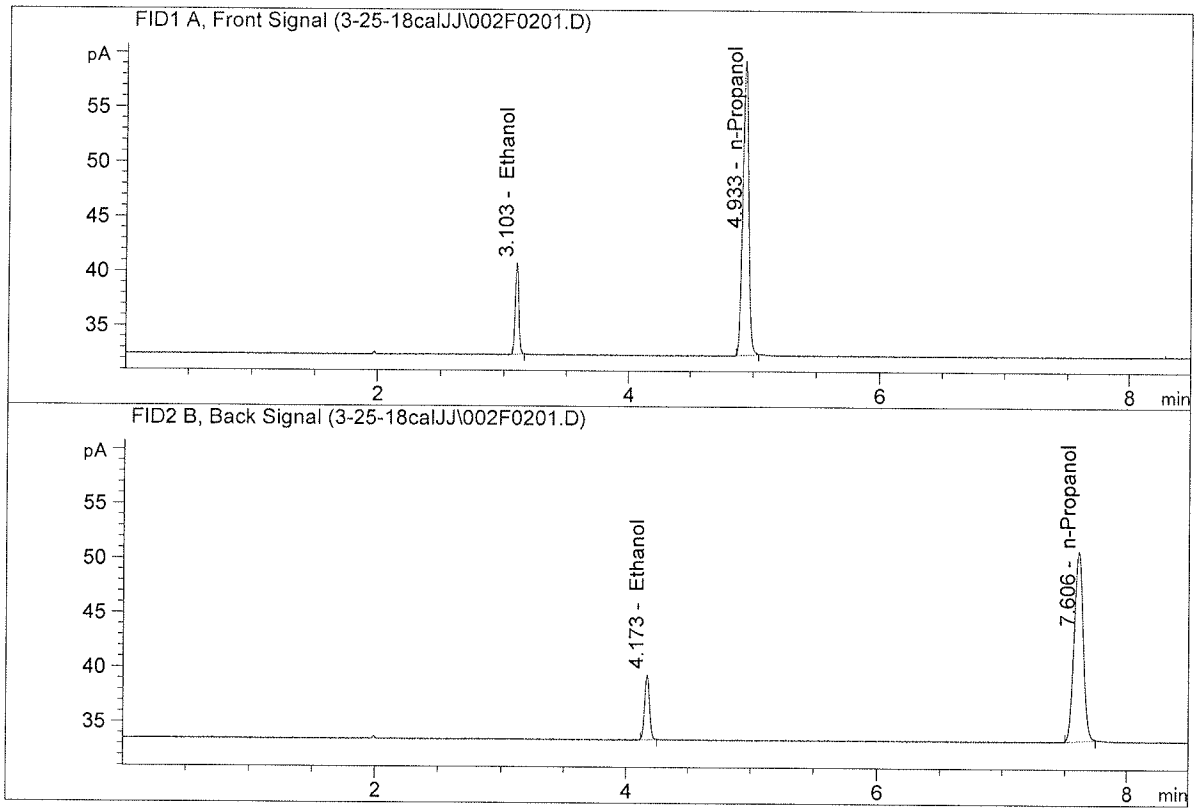
Sample Name	:	0.05
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.05388	0.0499	g/100cc
2.	Ethanol	Column 2:	8.06836	0.0494	g/100cc
3.	n-Propanol	Column 1:	87.89870	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.60324	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

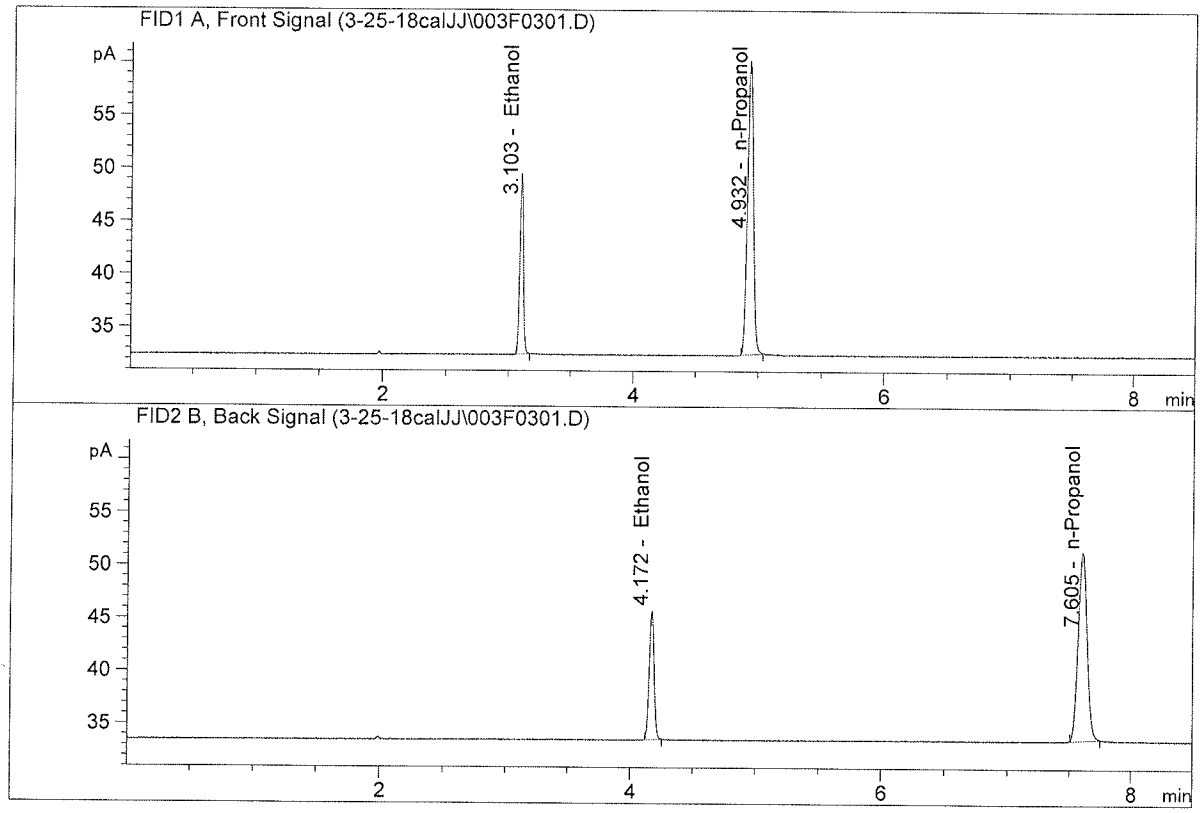
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.44928	0.1012	g/100cc
2.	Ethanol	Column 2:	16.38506	0.1002	g/100cc
3.	n-Propanol	Column 1:	88.42496	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.79264	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

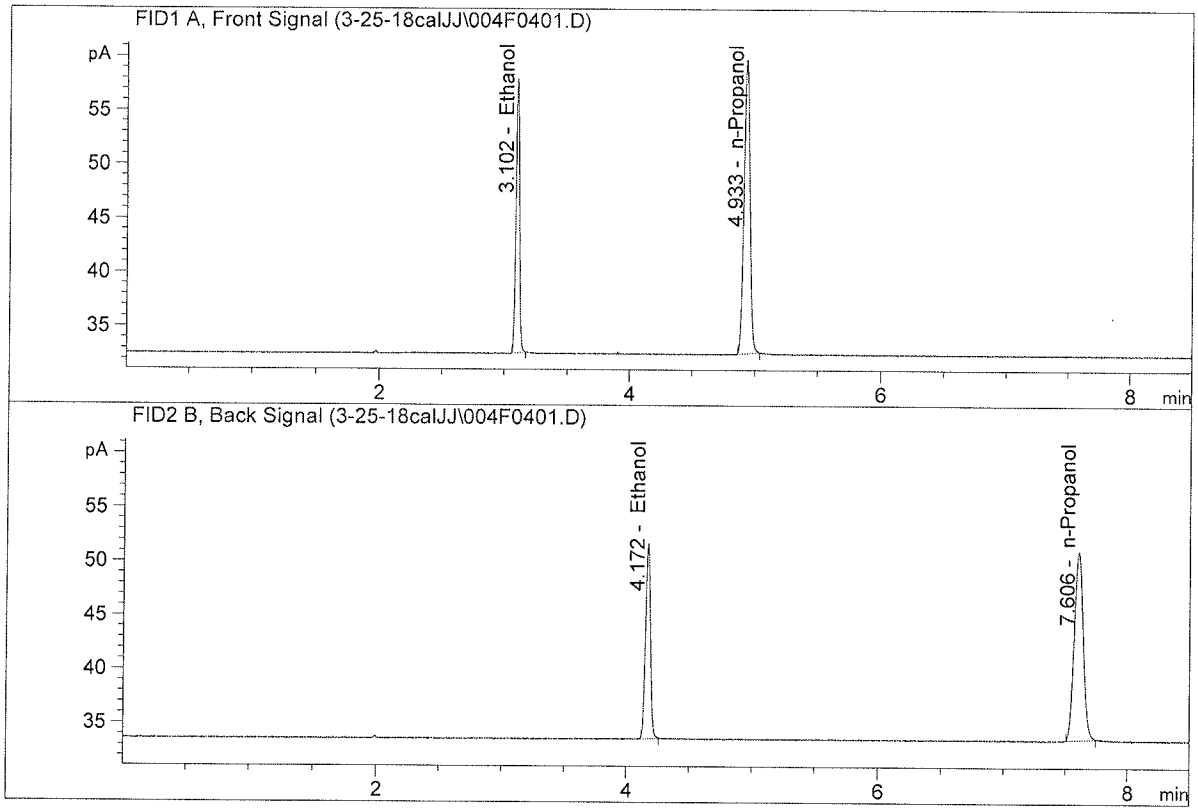
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.37008	0.1999	g/100cc
2.	Ethanol	Column 2:	33.32778	0.1987	g/100cc
3.	n-Propanol	Column 1:	90.83842	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.02835	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

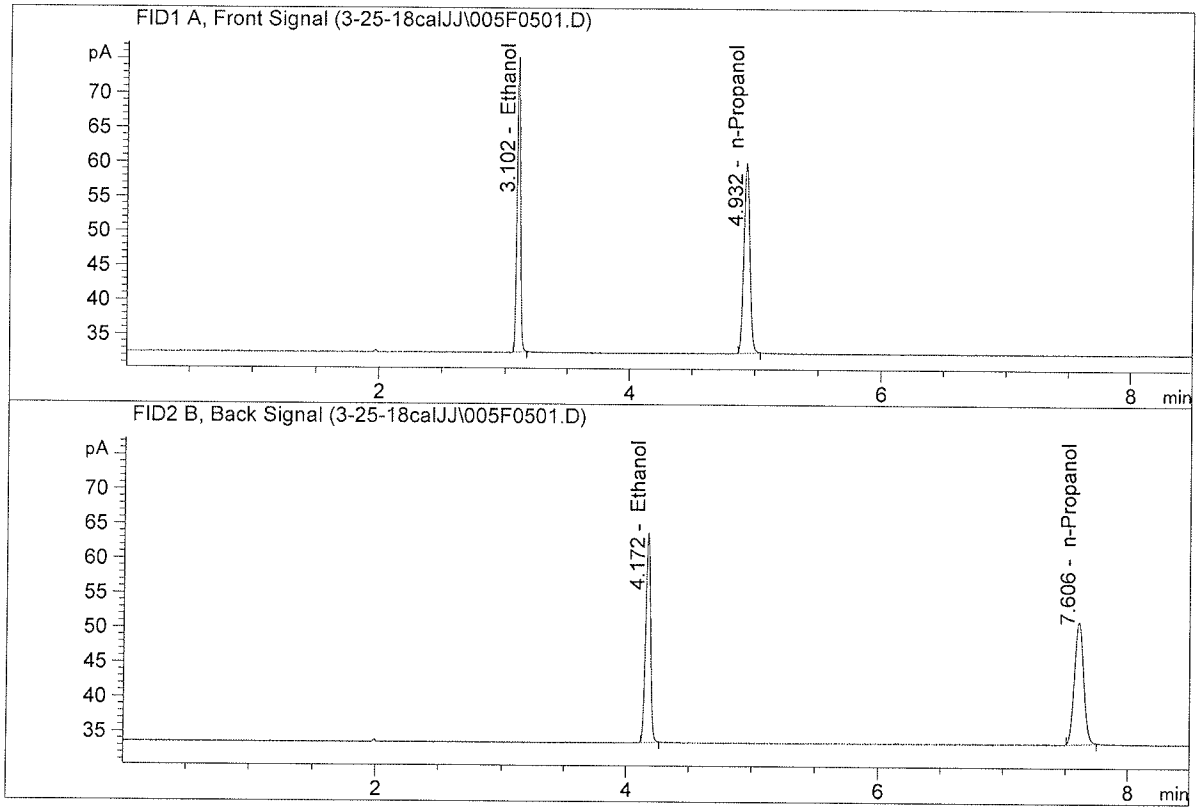
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	49.42825	0.3019	g/100cc
2.	Ethanol	Column 2:	49.53711	0.3017	g/100cc
3.	n-Propanol	Column 1:	89.08559	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.11658	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

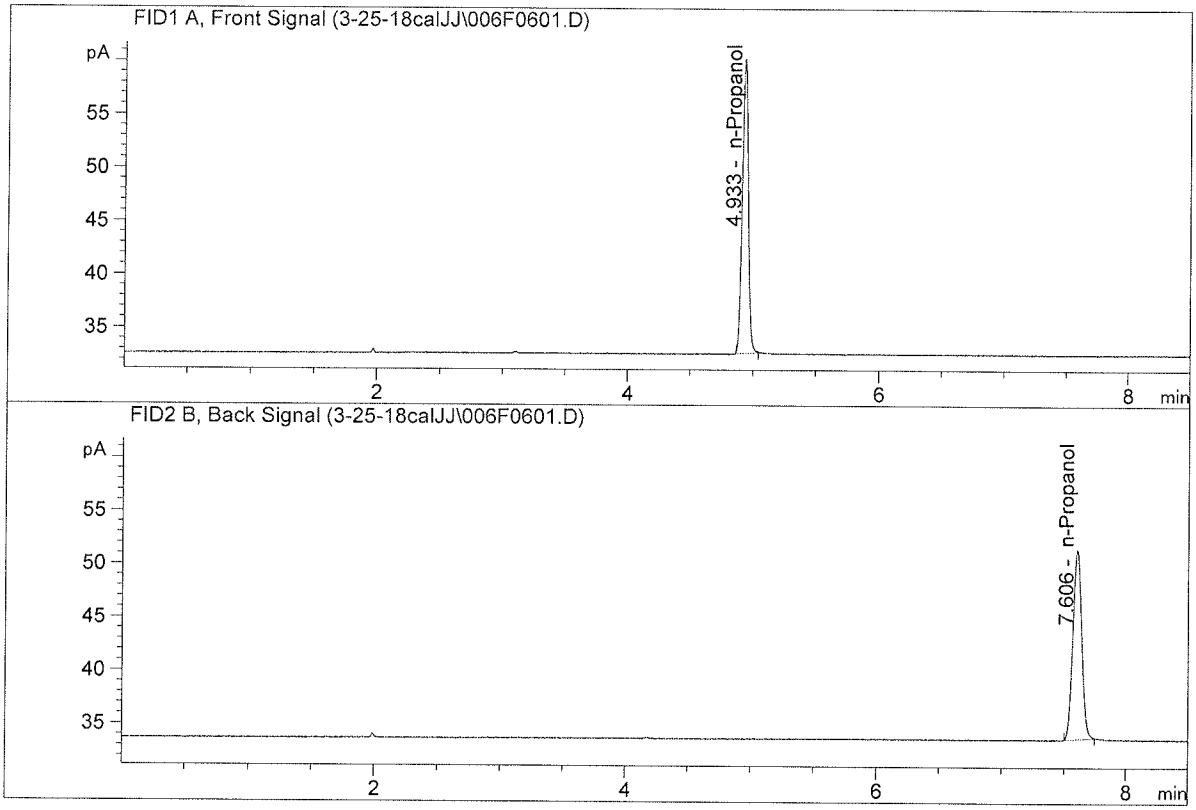
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	82.85979	0.4987	g/100cc
2.	Ethanol	Column 2:	83.00584	0.4996	g/100cc
3.	n-Propanol	Column 1:	90.39918	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.16483	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

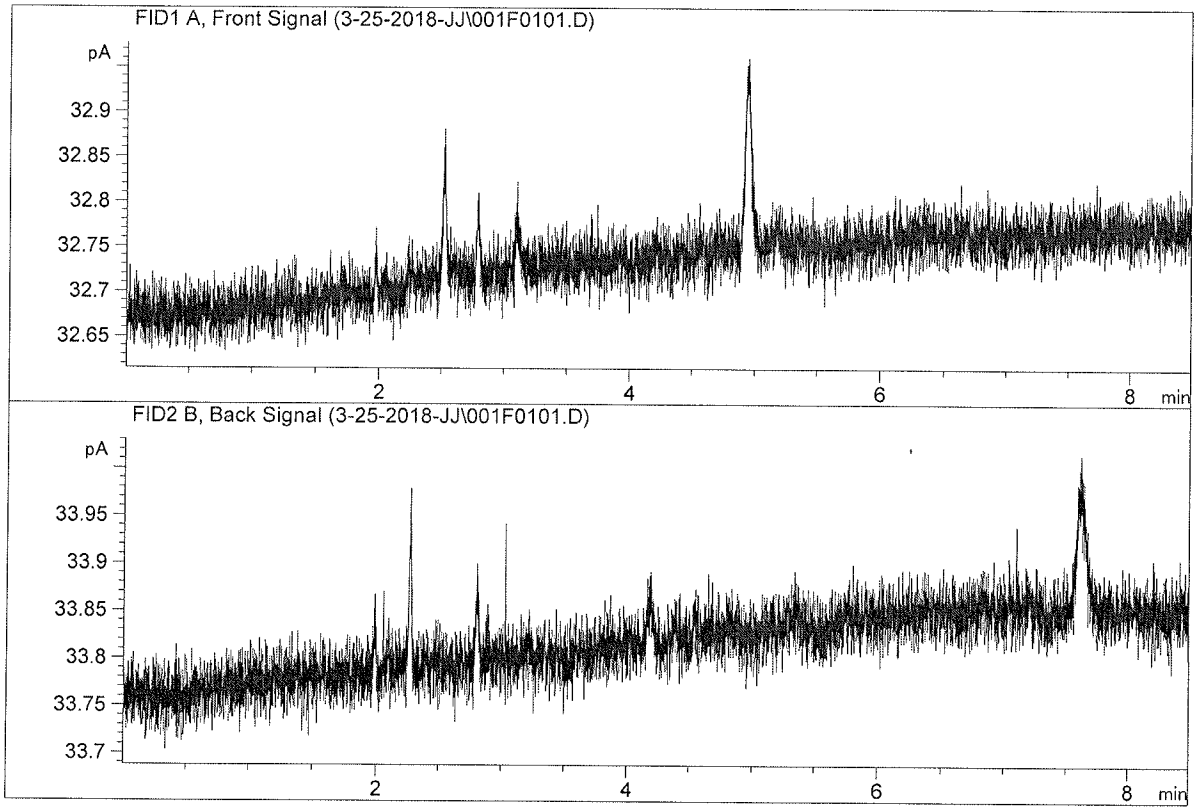
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	90.34807	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.58810	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

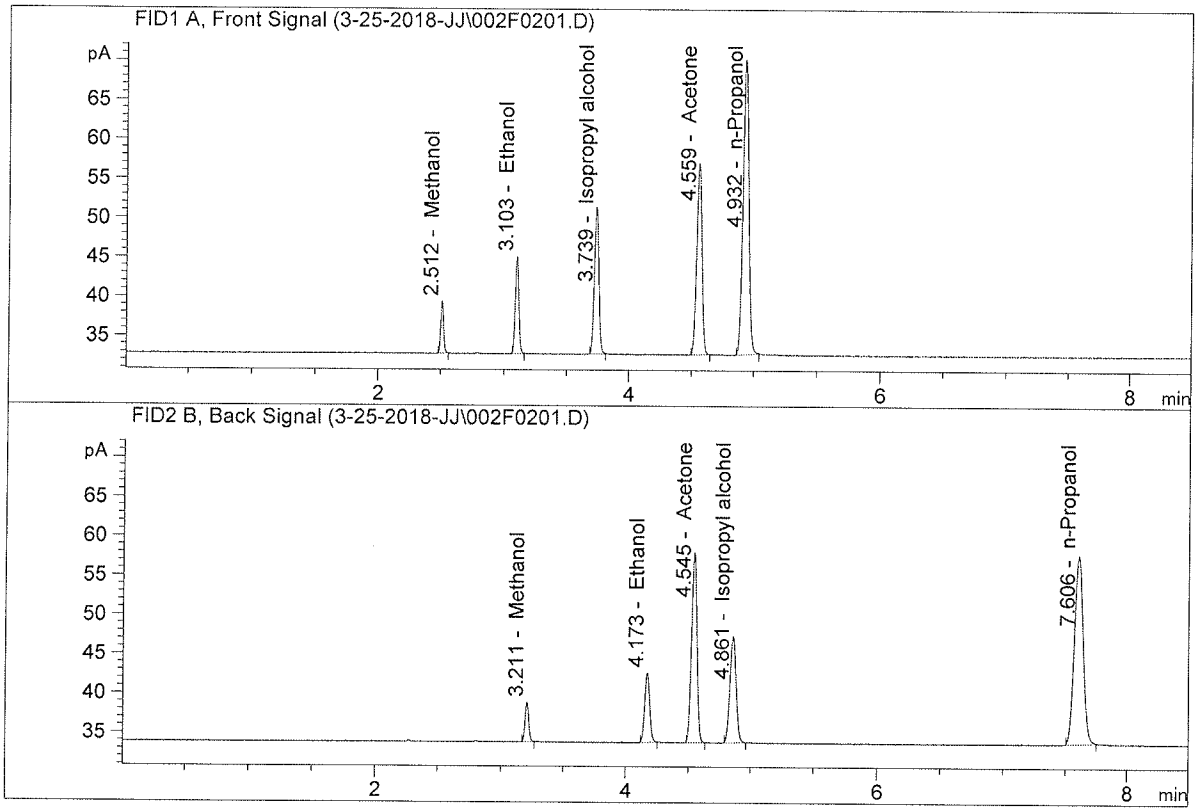
Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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

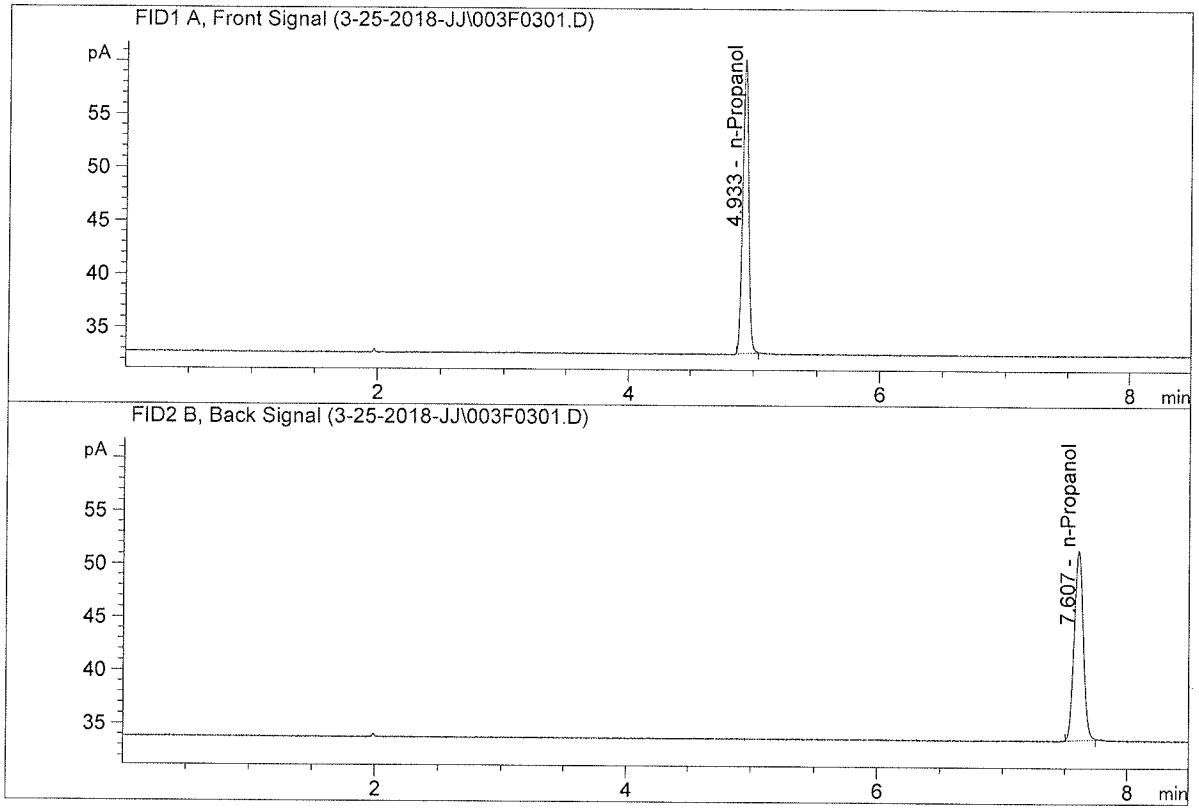
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	24.11523	0.1077	g/100cc
2.	Ethanol	Column 2:	24.15637	0.1071	g/100cc
3.	n-Propanol	Column 1:	121.82050	1.0000	g/100cc
4.	n-Propanol	Column 2:	120.99475	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 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:	90.37562	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.49128	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 25 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1916	0.1919	0.0003	0.1917	0.1919	
(g/100cc)	0.1923	0.1920	0.0003	0.1921		

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**

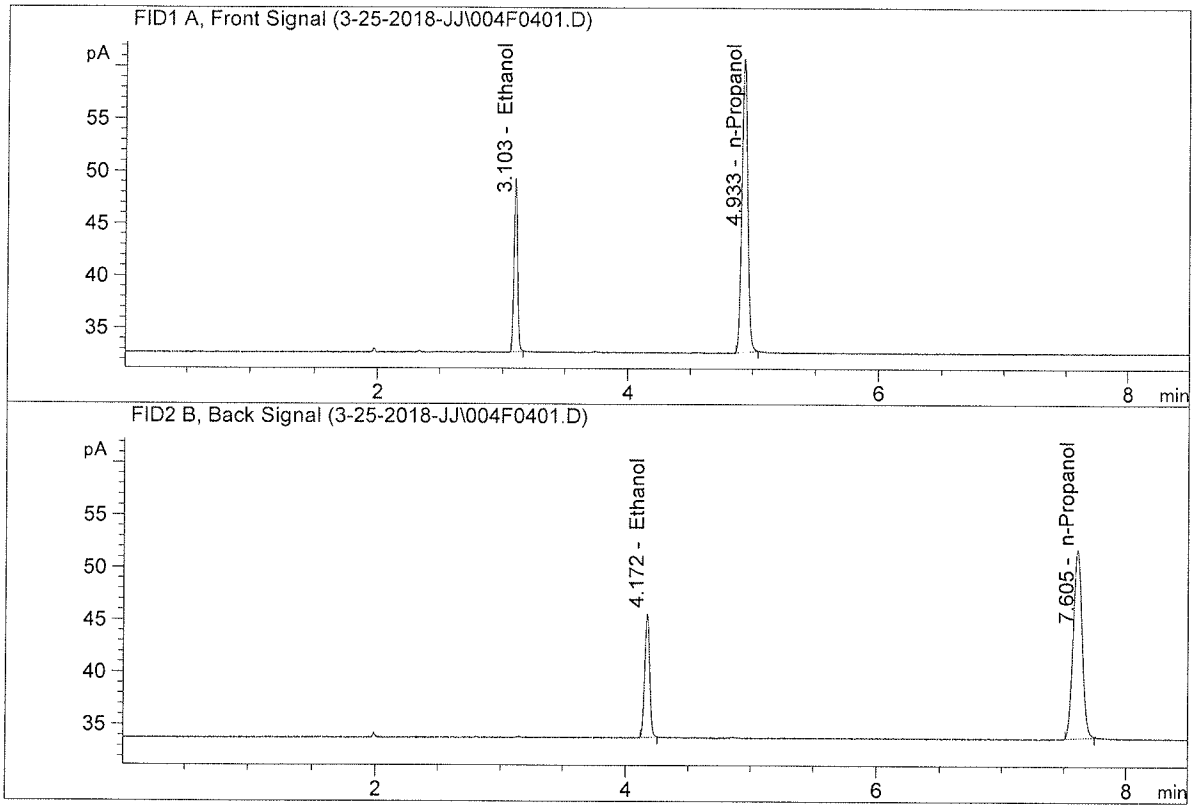
Reported Result

0.191

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

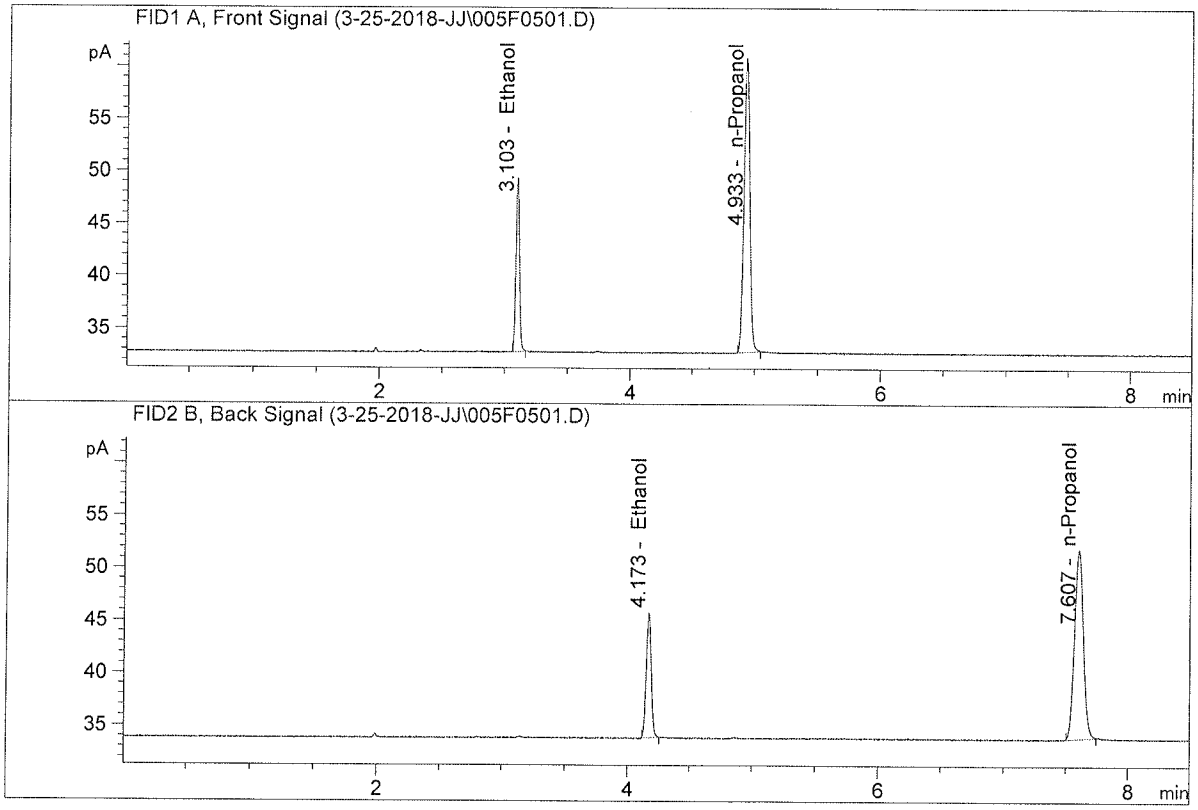
Sample Name	:	QC-2-A
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.36115	0.1916	g/100cc
2.	Ethanol	Column 2:	32.38894	0.1919	g/100cc
3.	n-Propanol	Column 1:	91.88809	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.55583	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC-2-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.44226	0.1923	g/100cc
2.	Ethanol	Column 2:	32.44207	0.1920	g/100cc
3.	n-Propanol	Column 1:	91.80921	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.65942	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 102815 10 99 **Analysis Date(s): 25 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0806	0.0804	0.0002	0.0805	0.0796	
(g/100cc)	0.0788	0.0788	0.0000	0.0788		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

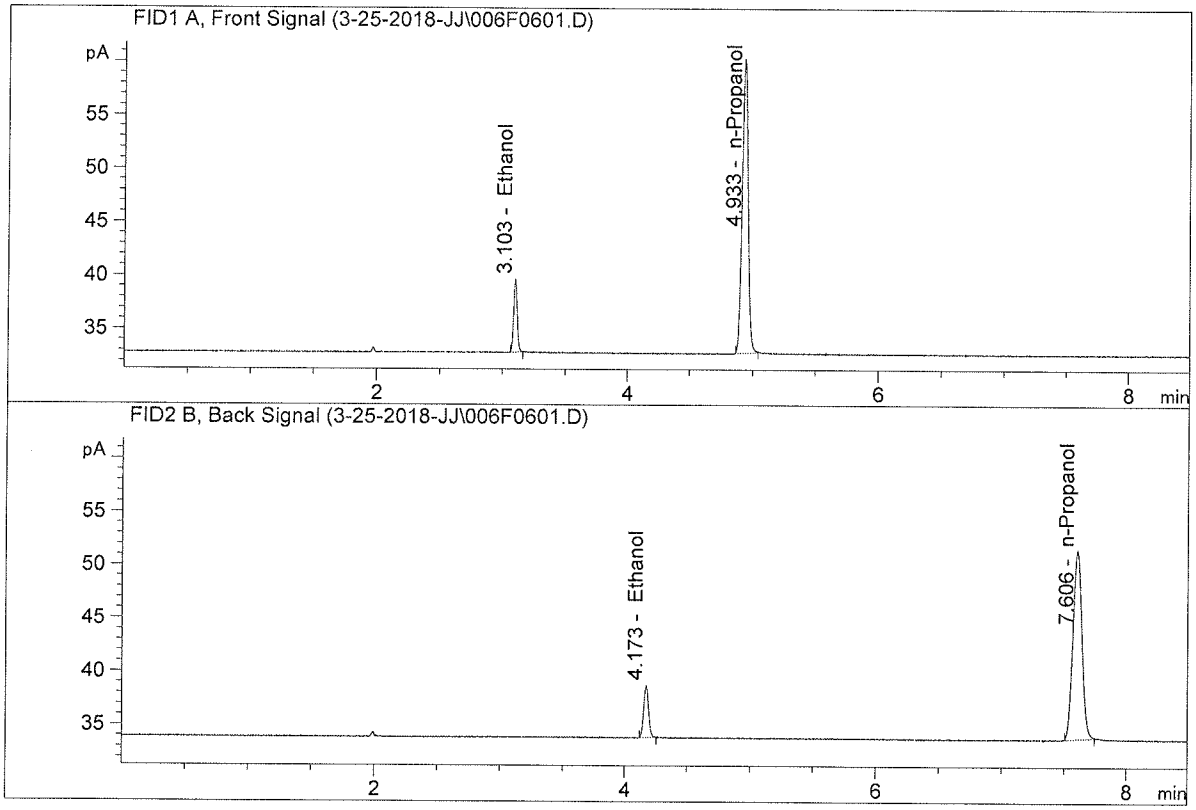
Reported Result
0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

10281510 99

Sample Name	:	0.08 FN~~09051304~~-A
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



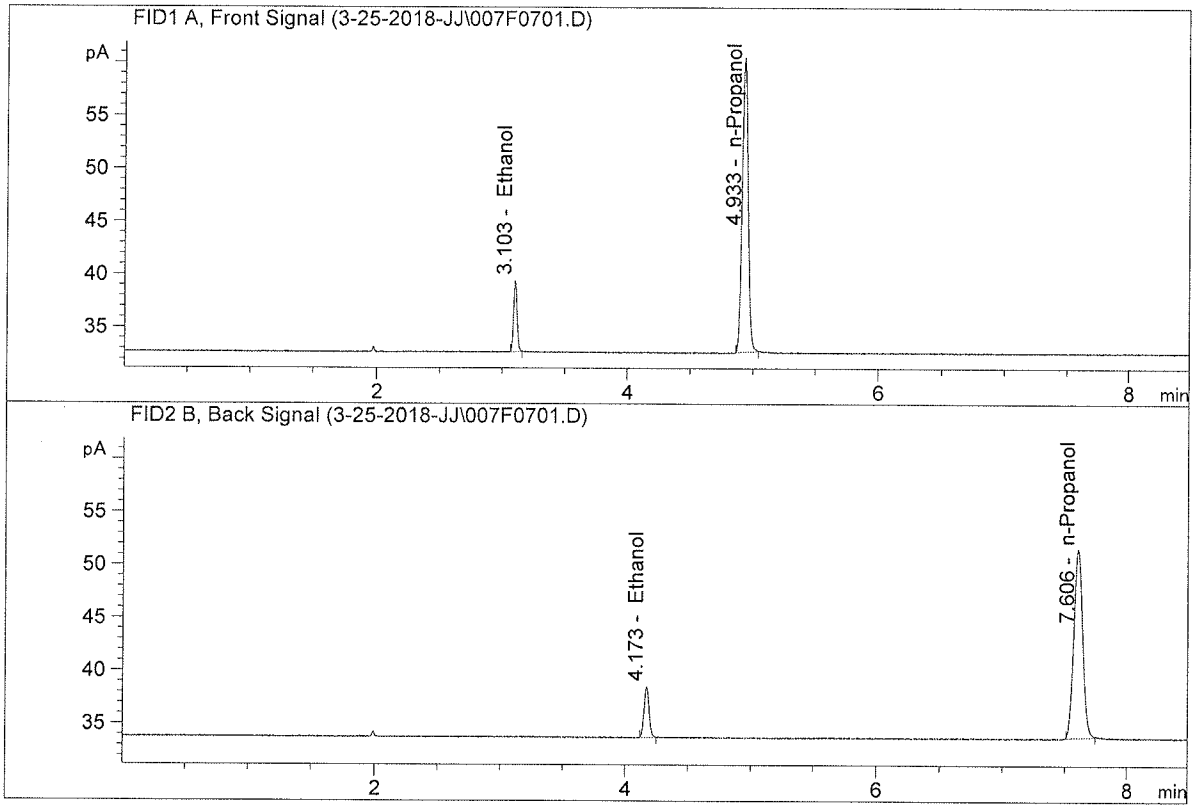
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.35548	0.0806	g/100cc
2.	Ethanol	Column 2:	13.33738	0.0804	g/100cc
3.	n-Propanol	Column 1:	90.19412	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.05949	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

10281510 99

Sample Name : 0.08 FN~~09051304-~~B
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.17029	0.0788	g/100cc
2.	Ethanol	Column 2:	13.18646	0.0788	g/100cc
3.	n-Propanol	Column 1:	90.91322	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.76202	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 25 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0752	0.0752	0.0000	0.0752	0.0749	
(g/100cc)	0.0746	0.0749	0.0003	0.0747		

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%**

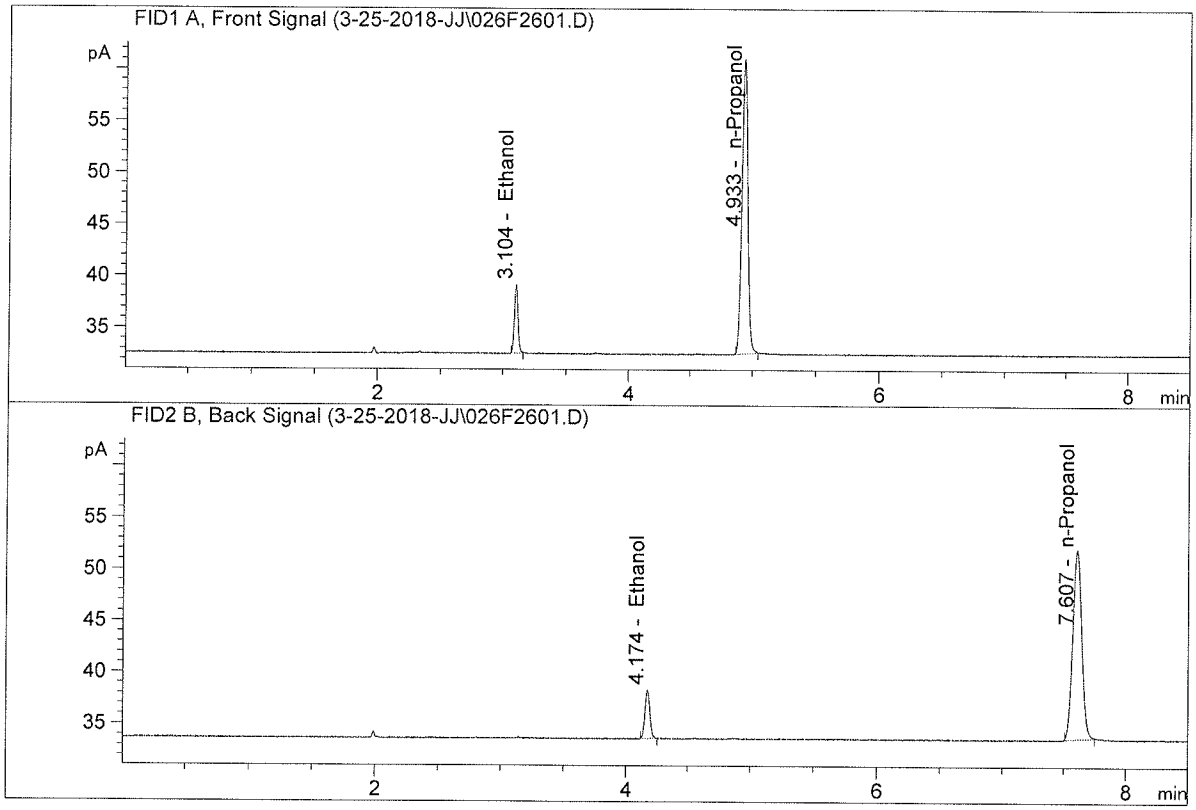
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

Reported Result
0.074

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

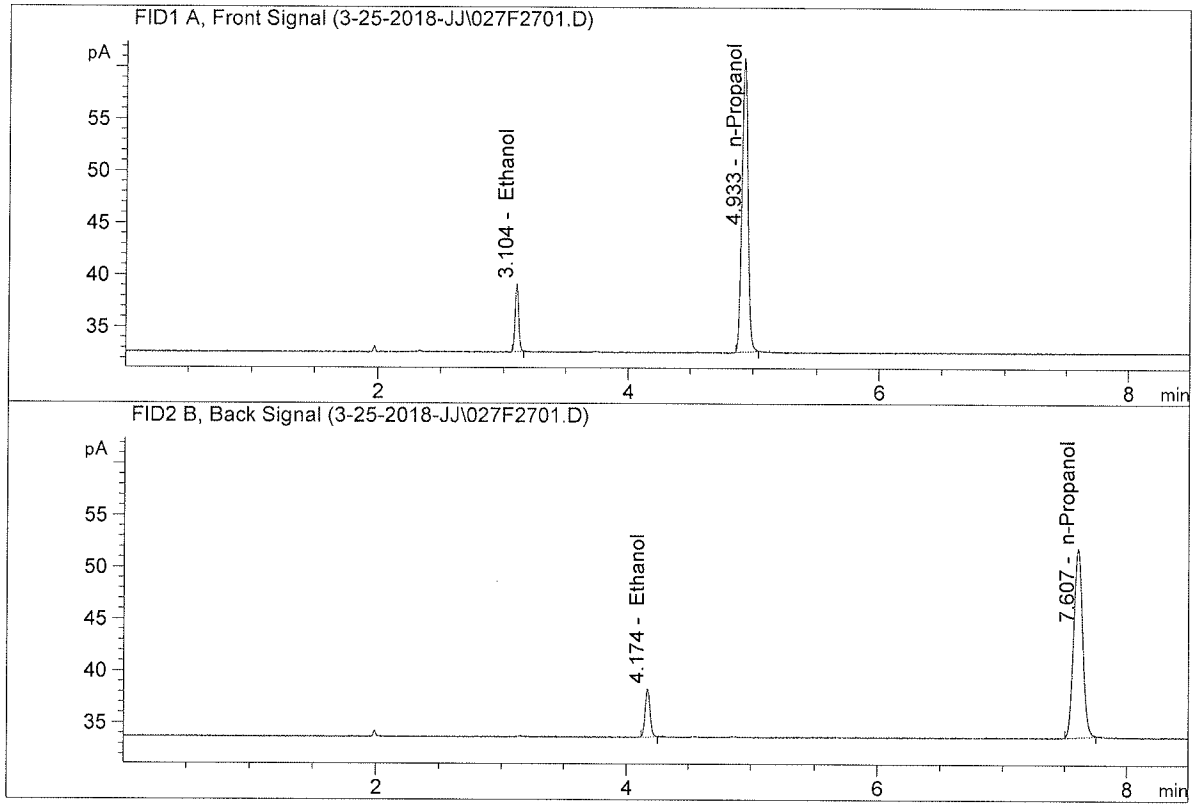
Sample Name	:	QC-1-A
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.89209	0.0752	g/100cc
2.	Ethanol	Column 2:	12.89616	0.0752	g/100cc
3.	n-Propanol	Column 1:	93.24493	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.08237	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC-1-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.70237	0.0746	g/100cc
2.	Ethanol	Column 2:	12.78438	0.0749	g/100cc
3.	n-Propanol	Column 1:	92.64288	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.65401	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 25 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1938	0.1943	0.0005	0.1940	0.1938	
(g/100cc)	0.1934	0.1940	0.0006	0.1937		

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
0.193	**0.183**	**0.203**	**0.010**

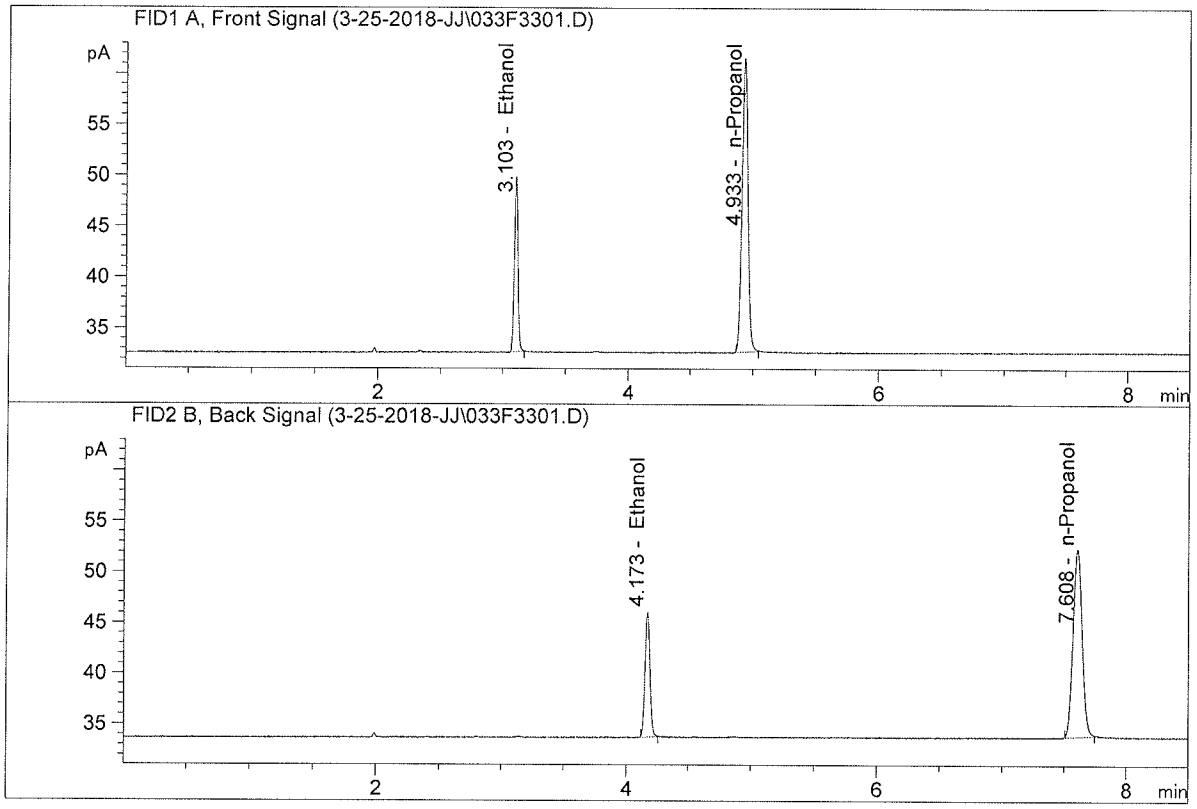
Reported Result

0.193

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

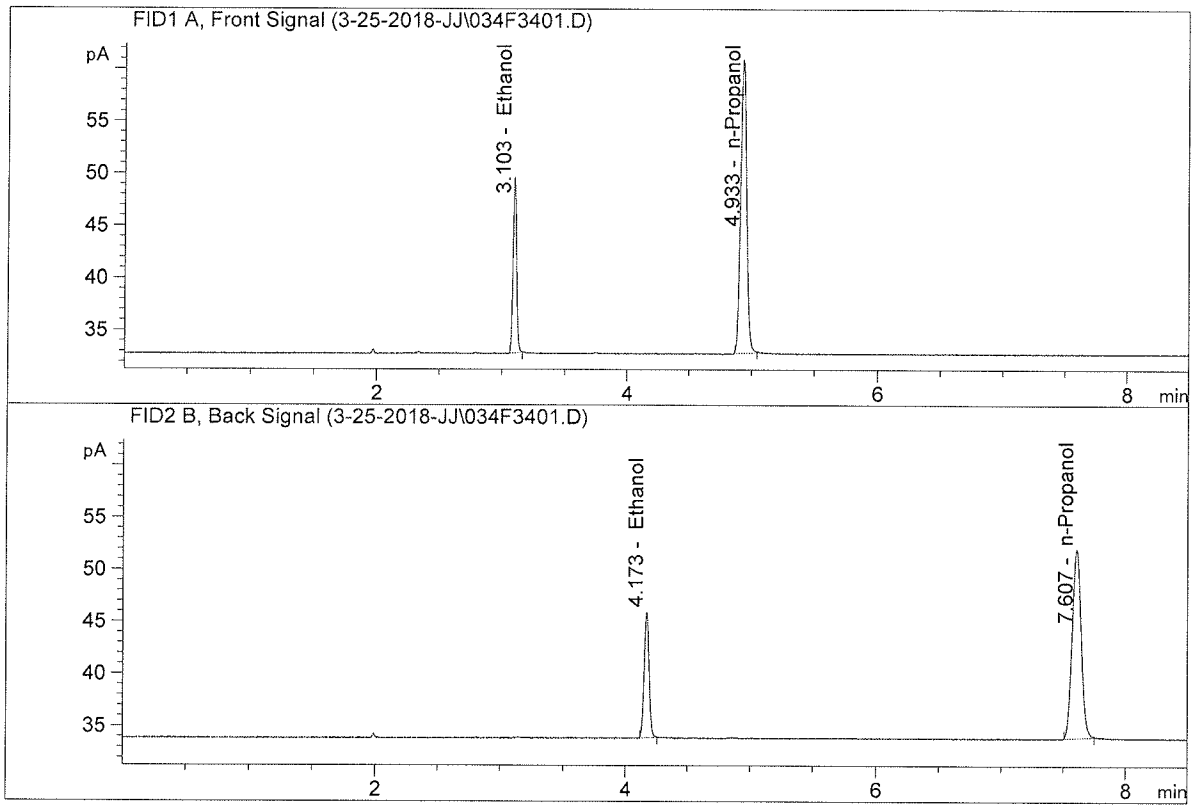
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.69957	0.1938	g/100cc
2.	Ethanol	Column 2:	33.74729	0.1943	g/100cc
3.	n-Propanol	Column 1:	94.59682	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.22530	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

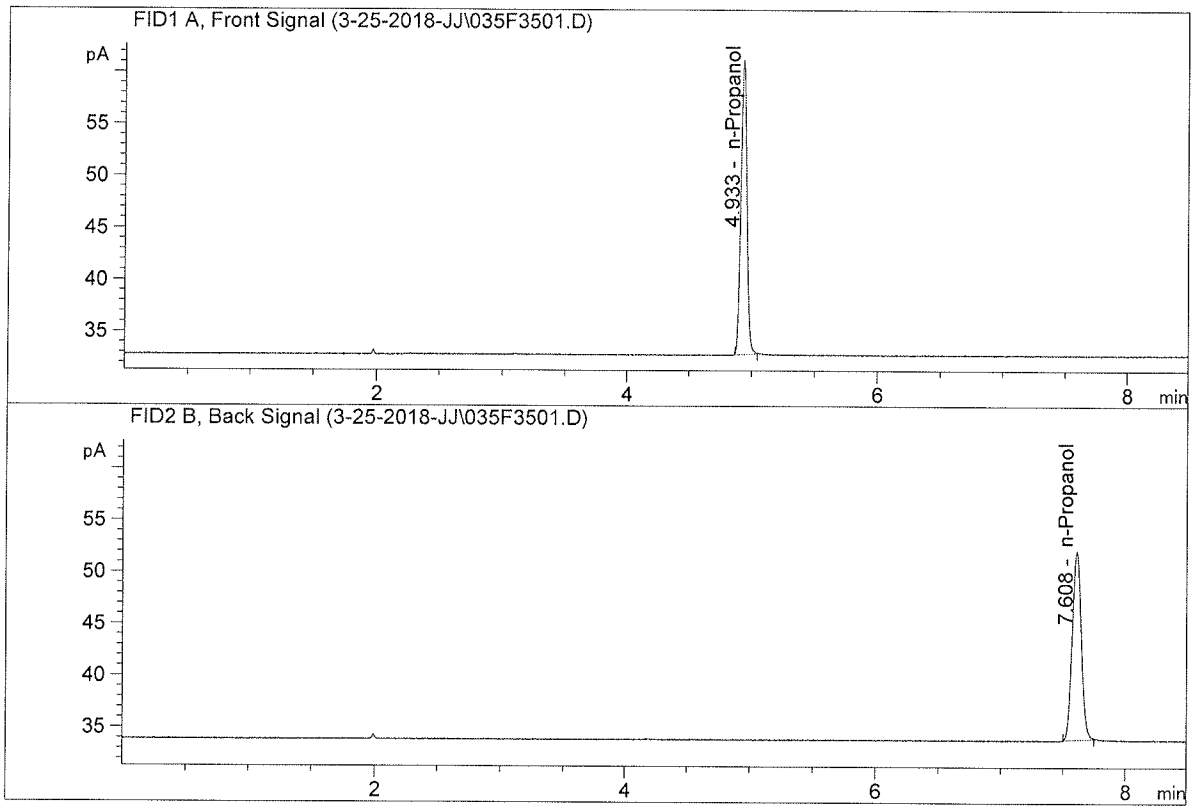
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.80733	0.1934	g/100cc
2.	Ethanol	Column 2:	32.92255	0.1940	g/100cc
3.	n-Propanol	Column 1:	92.31420	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.06197	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

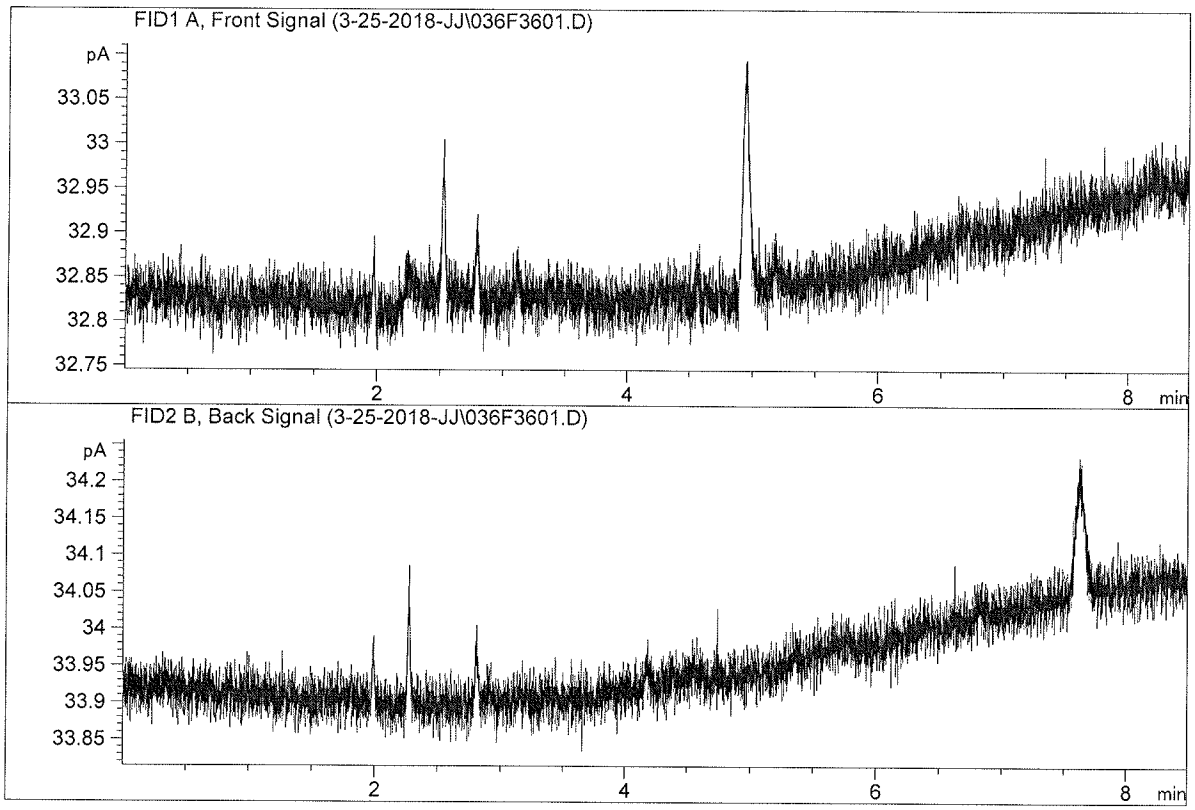
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	92.87234	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.64541	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 25, 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