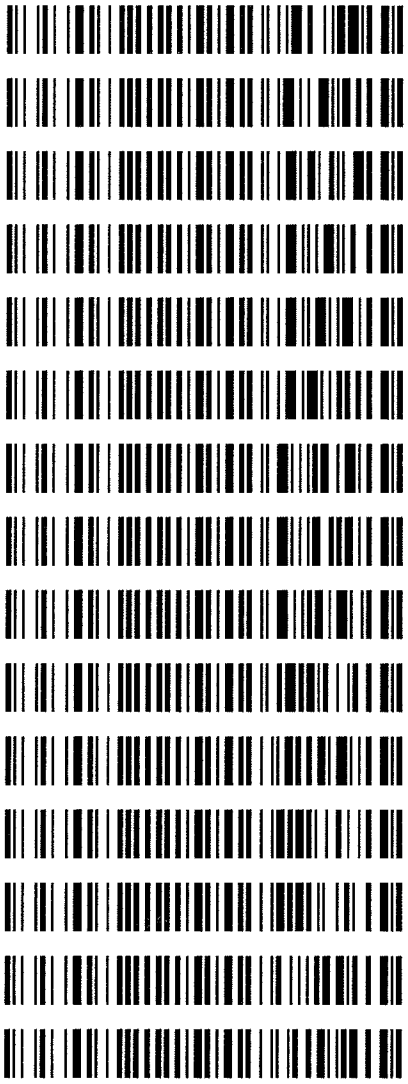
6/25/2018

Worklist: 2508

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-1063	1	117464	Alcohol Analysis
C2018-1082	1	117654	Alcohol Analysis
C2018-1086	1	117702	Alcohol Analysis
C2018-1091	1	117777	Alcohol Analysis
C2018-1092	1	117778	Alcohol Analysis
C2018-1093	1	117779	Alcohol Analysis
C2018-1094	1	117798	Alcohol Analysis
C2018-1095	1	117803	Alcohol Analysis
C2018-1111	1	117895	Alcohol Analysis
C2018-1120	1	117996	Alcohol Analysis
C2018-1123	1	118070	Alcohol Analysis
C2018-1170	1	118739	Alcohol Analysis
C2018-1171	1	118768	Alcohol Analysis
C2018-1203	1	119048	Alcohol Analysis
C2018-1205	1	119156	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):6/22/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0748 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1935 g/100cc
					0.1947 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	0.99999	**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	0.0488	0.0483	0.0005	0.0485
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	0.2002	0.1994	0.0008	0.1998
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2979	0.2982	0.0003	0.298
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5016	0.5018	0.0002	0.5017

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.080 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_22.06.2018_03.28.48\6-22-2018.S
Data directory path: C:\Chem32\1\Data\6-22-2018-JJ
Logbook: C:\Chem32\1\Data\6-22-2018-JJ\6-22-2018.LOG
Sequence start: 6/22/2018 3:42:33 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	C2018-1063-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-1063-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-1082-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-1082-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-1086-1-A	-	1.0000	012F1201.D		4
13	13	1	C2018-1086-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-1091-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-1091-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-1092-1-A	-	1.0000	016F1601.D		4
17	17	1	C2018-1092-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-1093-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-1093-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-1094-1-A	-	1.0000	020F2001.D		4
21	21	1	C2018-1094-1-B	-	1.0000	021F2101.D		4
22	22	1	C2018-1095-1-A	-	1.0000	022F2201.D		6
23	23	1	C2018-1095-1-B	-	1.0000	023F2301.D		6
24	24	1	C2018-1111-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-1111-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2018-1120-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-1120-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-1123-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-1123-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-1170-1-A	-	1.0000	032F3201.D		4
33	33	1	C2018-1170-1-B	-	1.0000	033F3301.D		4
34	34	1	C2018-1171-1-A	-	1.0000	034F3401.D		4
35	35	1	C2018-1171-1-B	-	1.0000	035F3501.D		4
36	36	1	C2018-1203-1-A	-	1.0000	036F3601.D		4
37	37	1	C2018-1203-1-B	-	1.0000	037F3701.D		4
38	38	1	C2018-1205-1-A	-	1.0000	038F3801.D		4
39	39	1	C2018-1205-1-B	-	1.0000	039F3901.D		4
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 : Friday, June 22, 2018 3:19:48 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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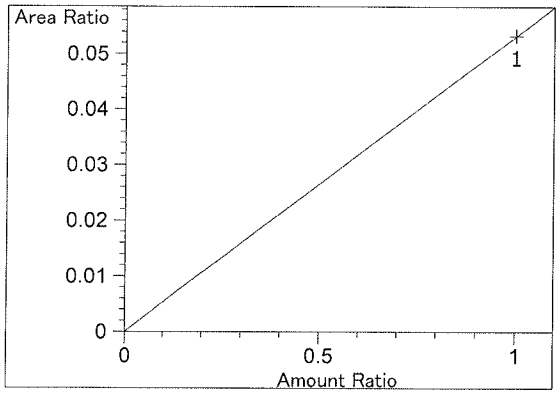
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.105	1	1	5.00000e-2	8.40061	5.95195e-3	No	No	1	Ethanol
		2	1.00000e-1	17.69045	5.65277e-3				
		3	2.00000e-1	34.67598	5.76768e-3				
		4	3.00000e-1	52.11992	5.75596e-3				
		5	5.00000e-1	88.57643	5.64484e-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	8.40230	5.95075e-3	No	No	2	Ethanol
		2	1.00000e-1	17.73607	5.63823e-3				
		3	2.00000e-1	34.63629	5.77429e-3				
		4	3.00000e-1	52.24097	5.74262e-3				
		5	5.00000e-1	88.52242	5.64829e-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	94.83491	1.05446e-2	No	Yes	1	n-Propanol
		2	1.00000	98.73940	1.01277e-2				
		3	1.00000	95.38924	1.04834e-2				
		4	1.00000	96.33651	1.03803e-2				
		5	1.00000	97.24219	1.02836e-2				
7.614	2	1	1.00000	93.98316	1.06402e-2	No	Yes	2	n-Propanol
		2	1.00000	97.54499	1.02517e-2				
		3	1.00000	93.87460	1.06525e-2				
		4	1.00000	94.67295	1.05627e-2				
		5	1.00000	95.33459	1.04894e-2				

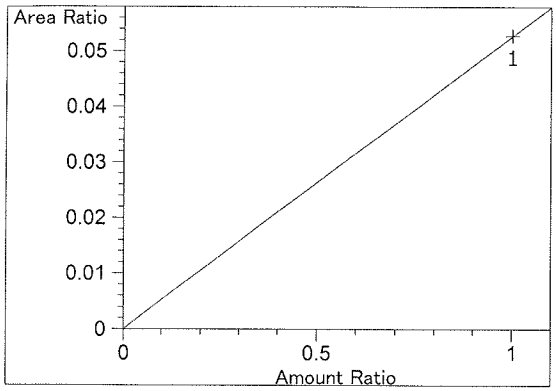
Peak Sum Table

No Entries in table

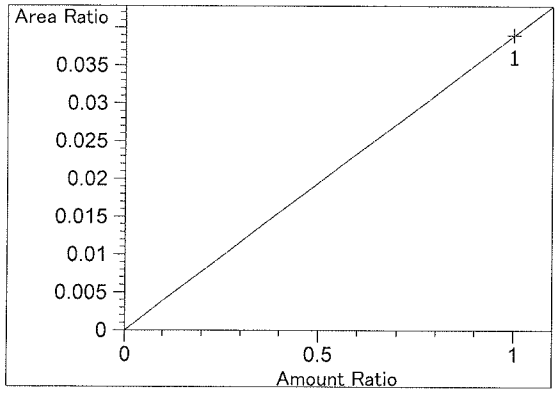
Calibration Curves



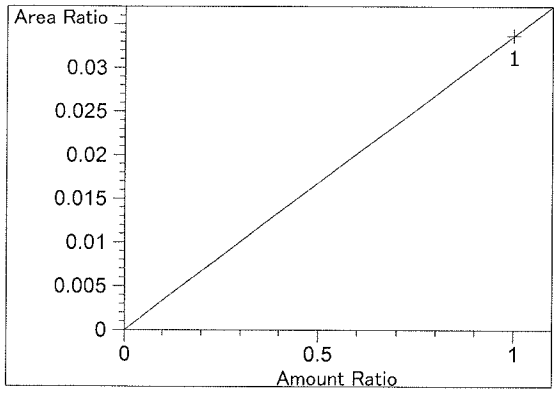
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.32010e-2
x: Amount Ratio
y: Area Ratio



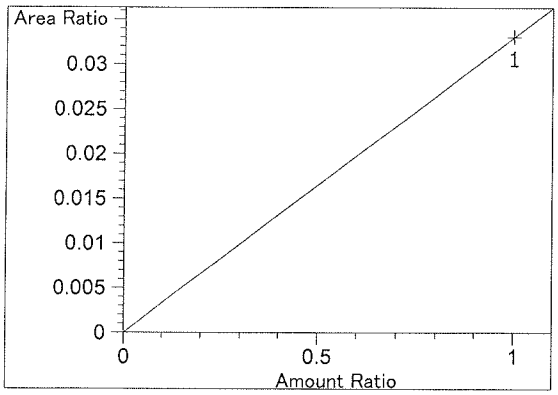
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.27232e-2
x: Amount Ratio
y: Area Ratio



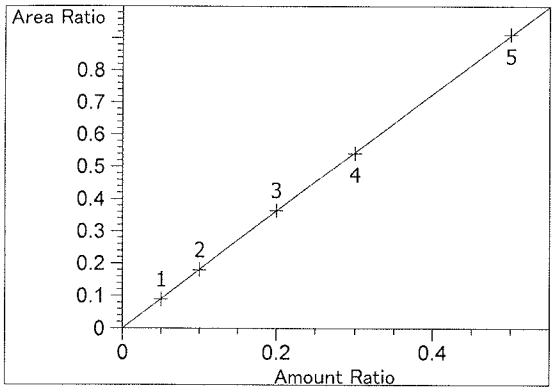
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.89803e-2
x: Amount Ratio
y: Area Ratio



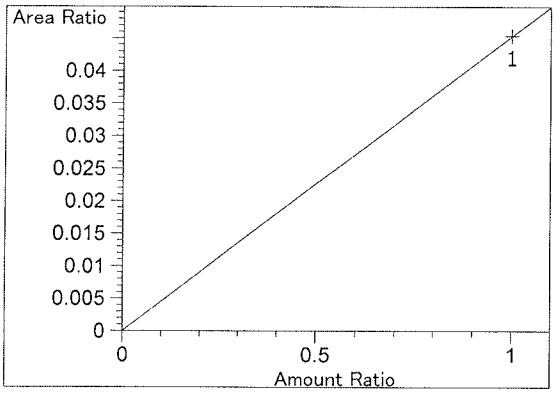
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.36702e-2
x: Amount Ratio
y: Area Ratio



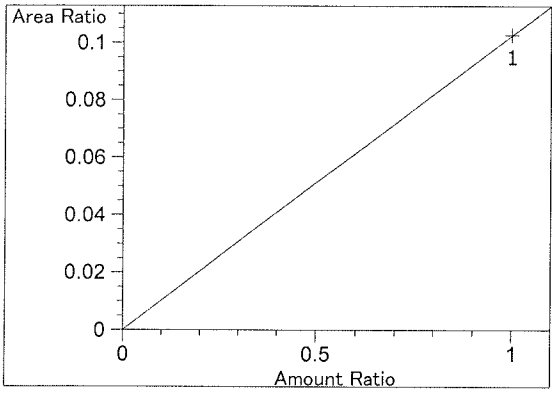
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.30458e-2
x: Amount Ratio
y: Area Ratio



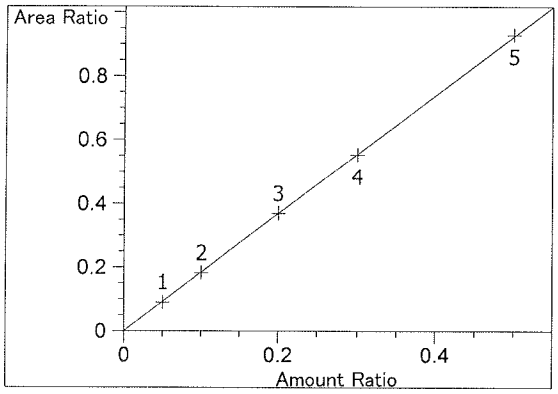
Ethanol at exp. RT: 3.105
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00290
Formula: y = mx
m: 1.81605
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.53339e-2
x: Amount Ratio
y: Area Ratio

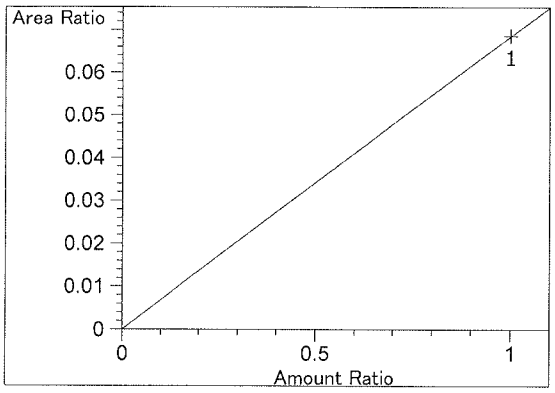


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.02605e-1
x: Amount Ratio
y: Area Ratio

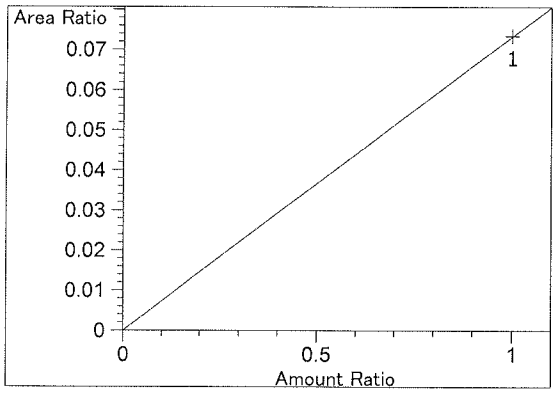


Ethanol at exp. RT: 4.176
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00330
Formula: y = mx
m: 1.85034
x: Amount Ratio
y: Area Ratio

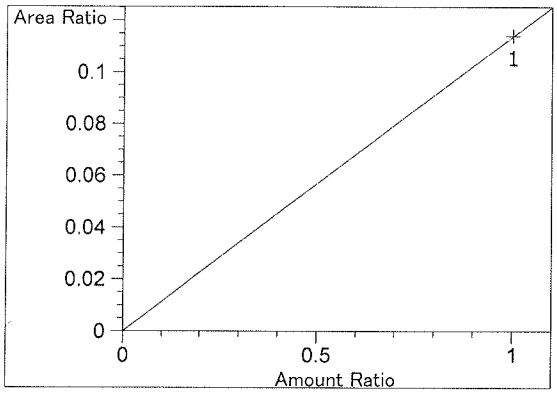
99



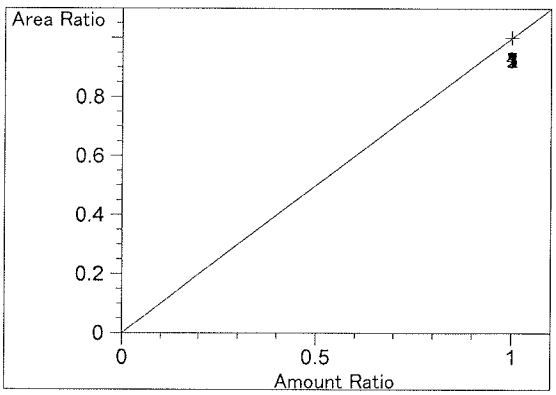
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.85338e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.33430e-2
x: Amount Ratio
y: Area Ratio

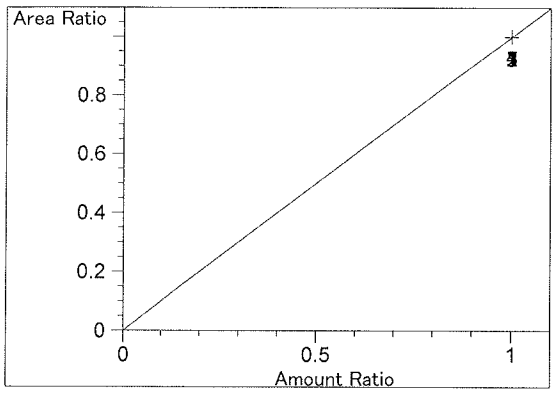


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.13918e-1
x: Amount Ratio
y: Area Ratio



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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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_22.06.2018_01.56.09\6-22-18cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_22.06.2018_01.56.09\6-22-18cal.S
Data directory path: C:\Chem32\1\Data\6-22-18calJJ
Logbook: C:\Chem32\1\Data\6-22-18calJJ\6-22-18cal.LOG
Sequence start: 6/22/2018 2:09:51 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	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

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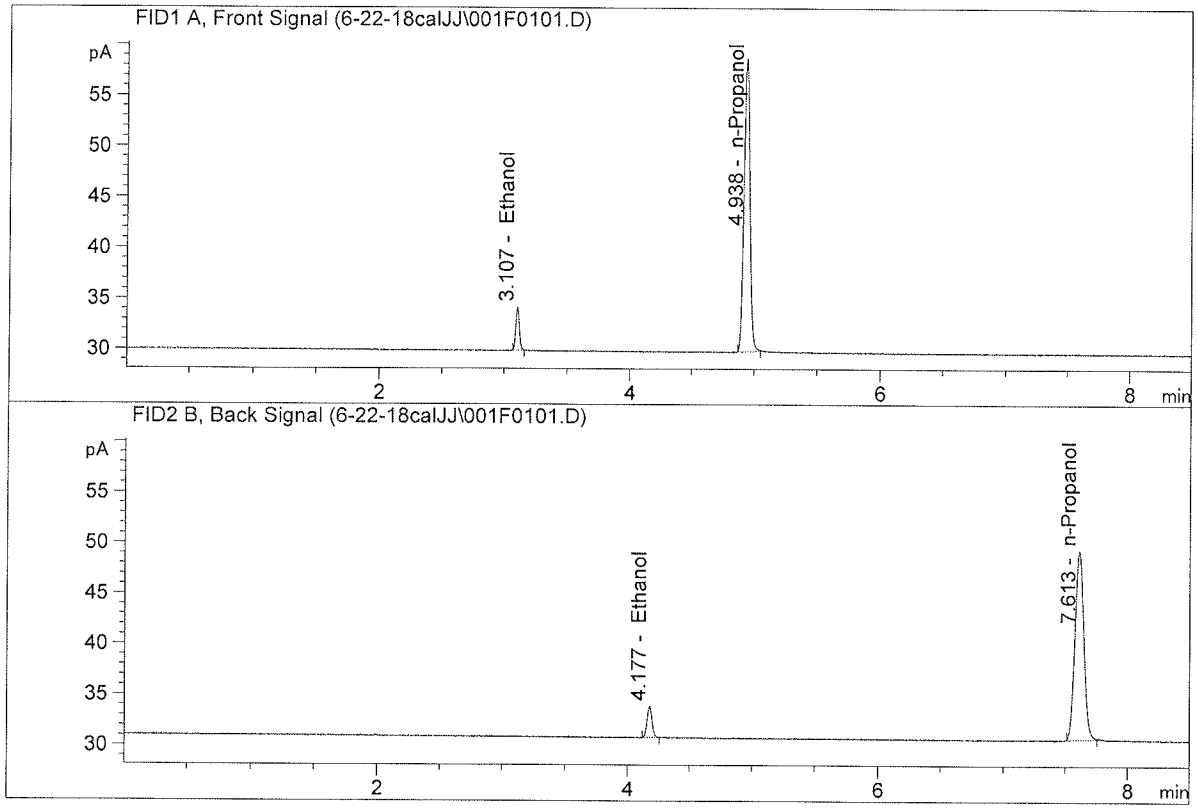
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.40061	0.0488	g/100cc
2.	Ethanol	Column 2:	8.40230	0.0483	g/100cc
3.	n-Propanol	Column 1:	94.83491	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.98316	1.0000	g/100cc

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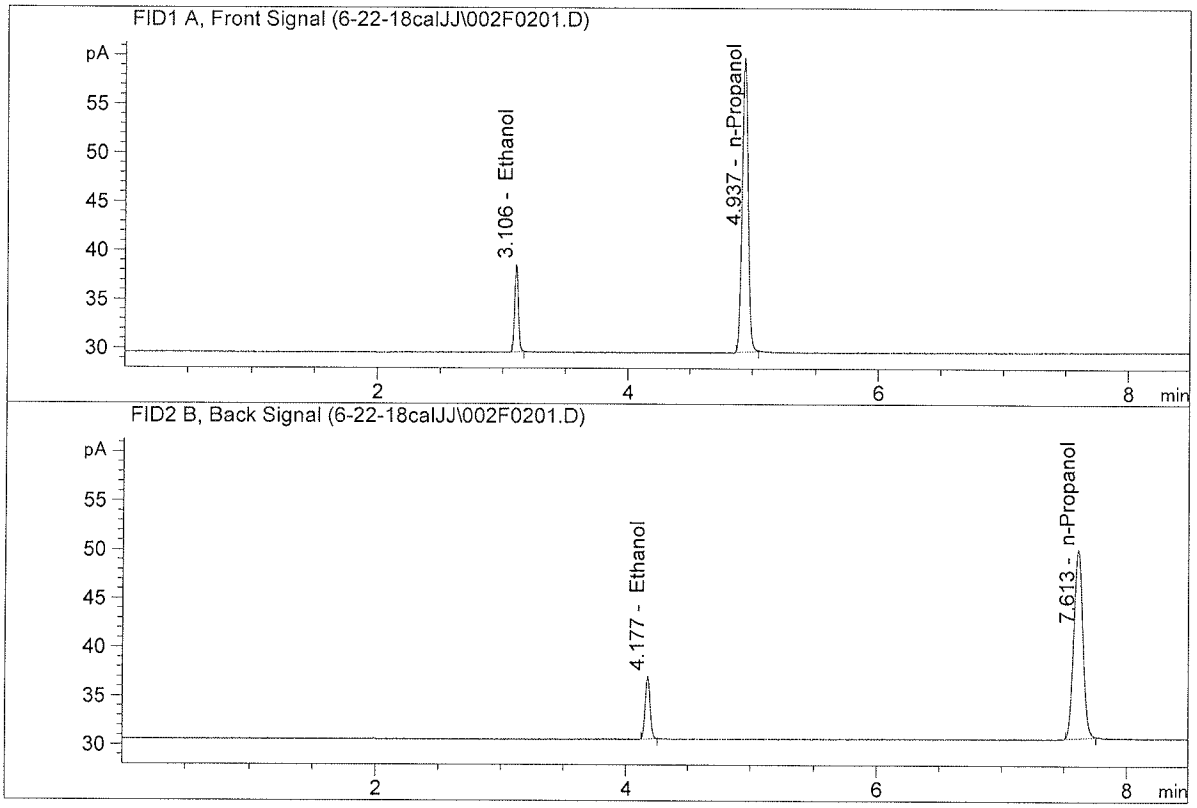
ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.100
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.69045	0.0987	g/100cc
2.	Ethanol	Column 2:	17.73607	0.0983	g/100cc
3.	n-Propanol	Column 1:	98.73940	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.54499	1.0000	g/100cc

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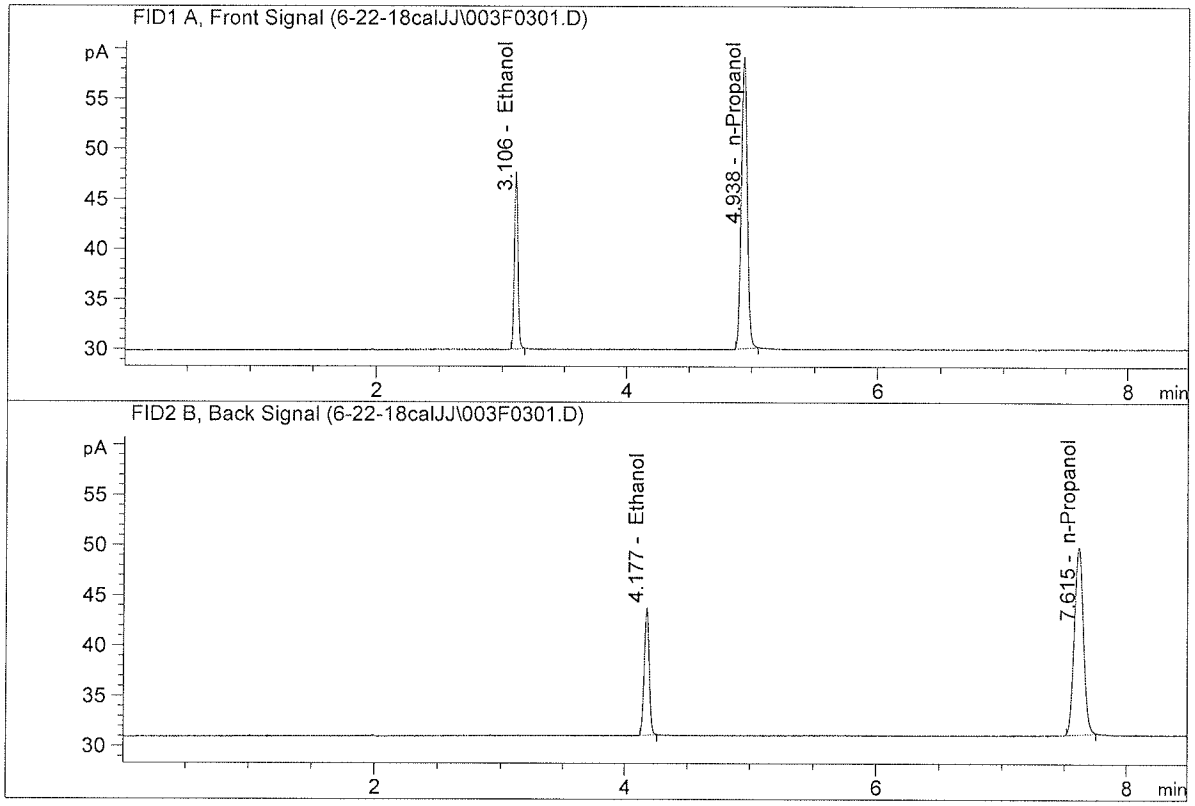
ISP Forensic Services Blood Alcohol Report

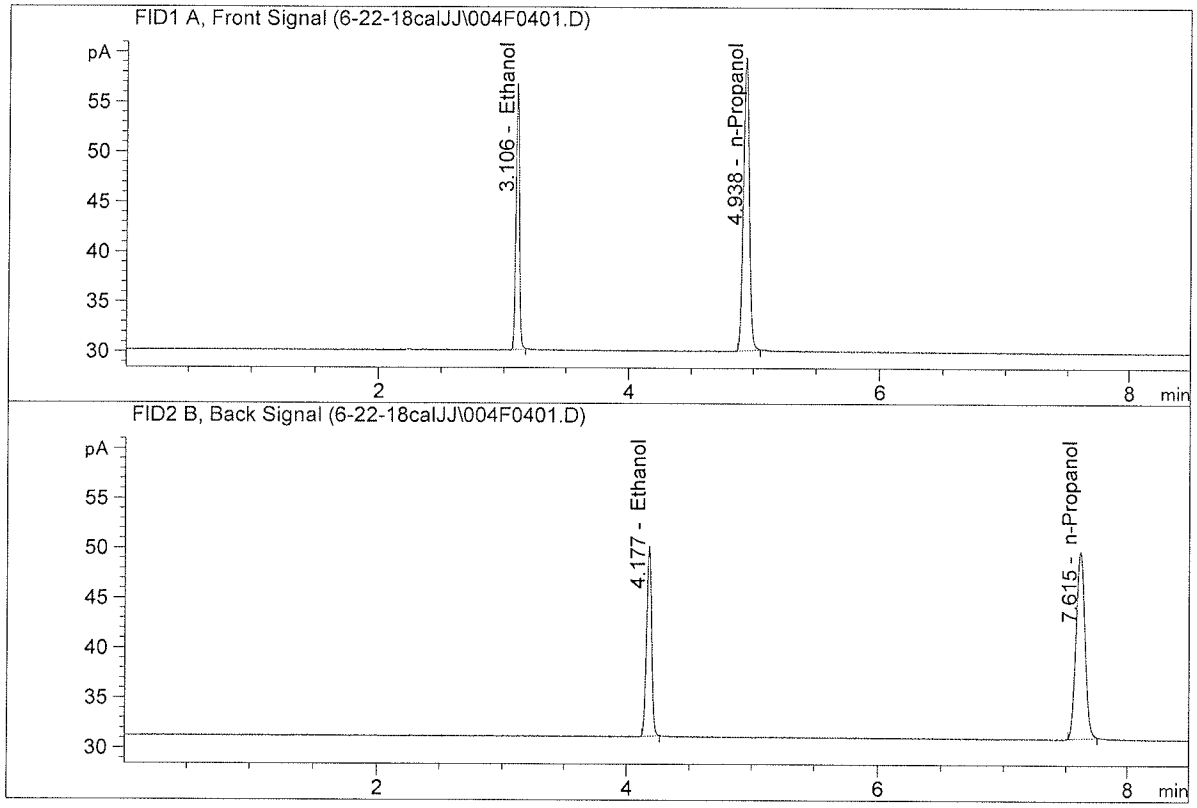
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.67598	0.2002	g/100cc
2.	Ethanol	Column 2:	34.63629	0.1994	g/100cc
3.	n-Propanol	Column 1:	95.38924	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.87460	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.300
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

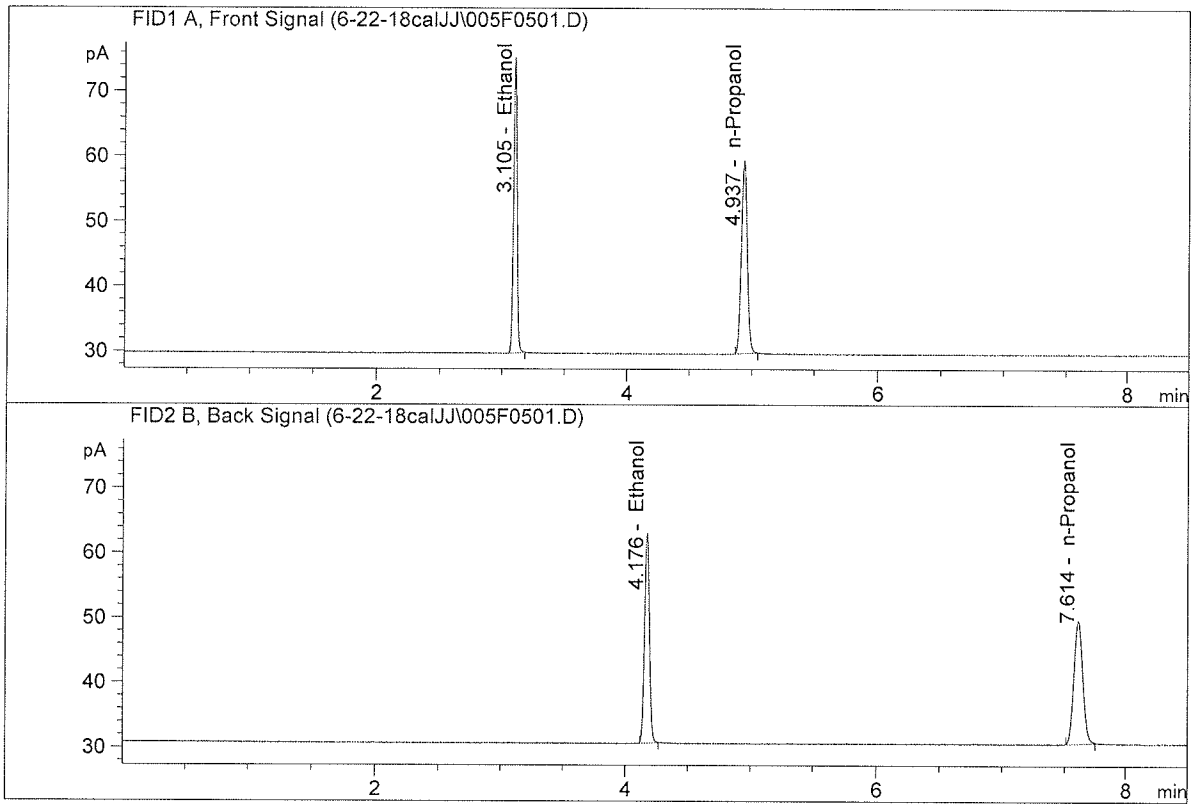


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	52.11992	0.2979	g/100cc
2.	Ethanol	Column 2:	52.24097	0.2982	g/100cc
3.	n-Propanol	Column 1:	96.33651	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.67295	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

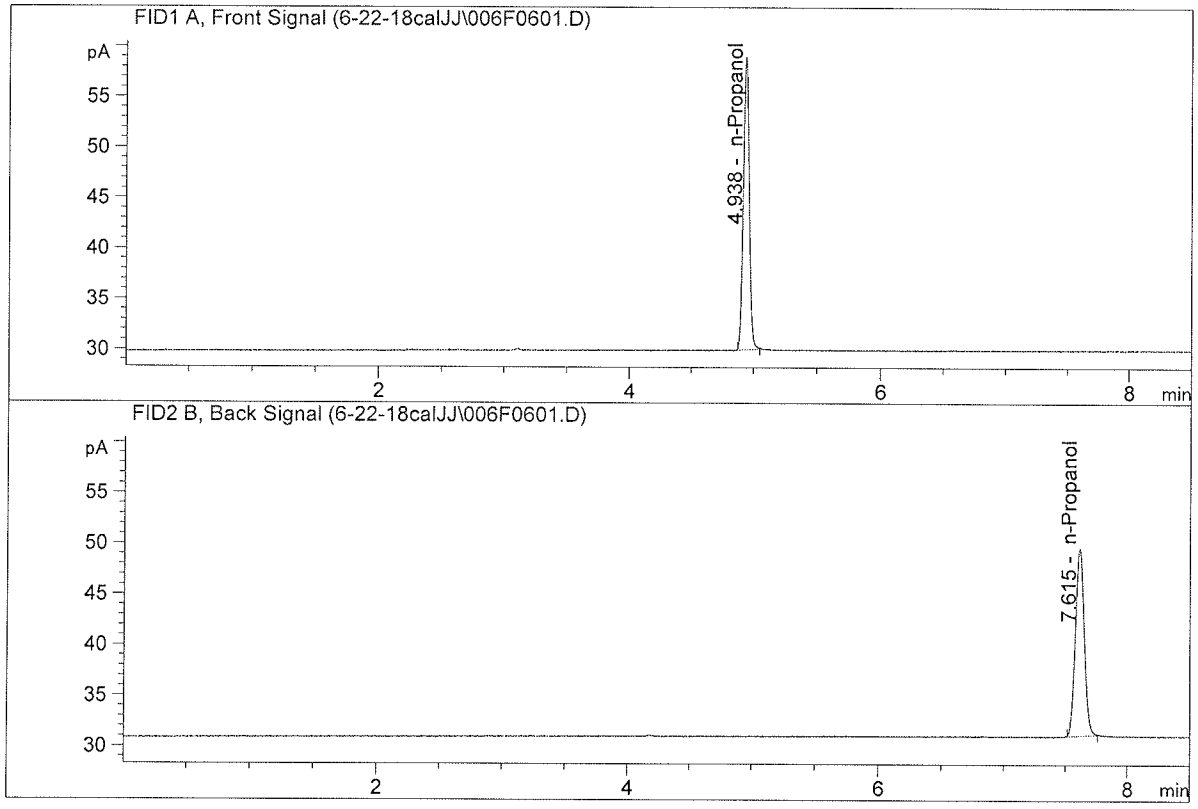
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	88.57643	0.5016	g/100cc
2.	Ethanol	Column 2:	88.52242	0.5018	g/100cc
3.	n-Propanol	Column 1:	97.24219	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.33459	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

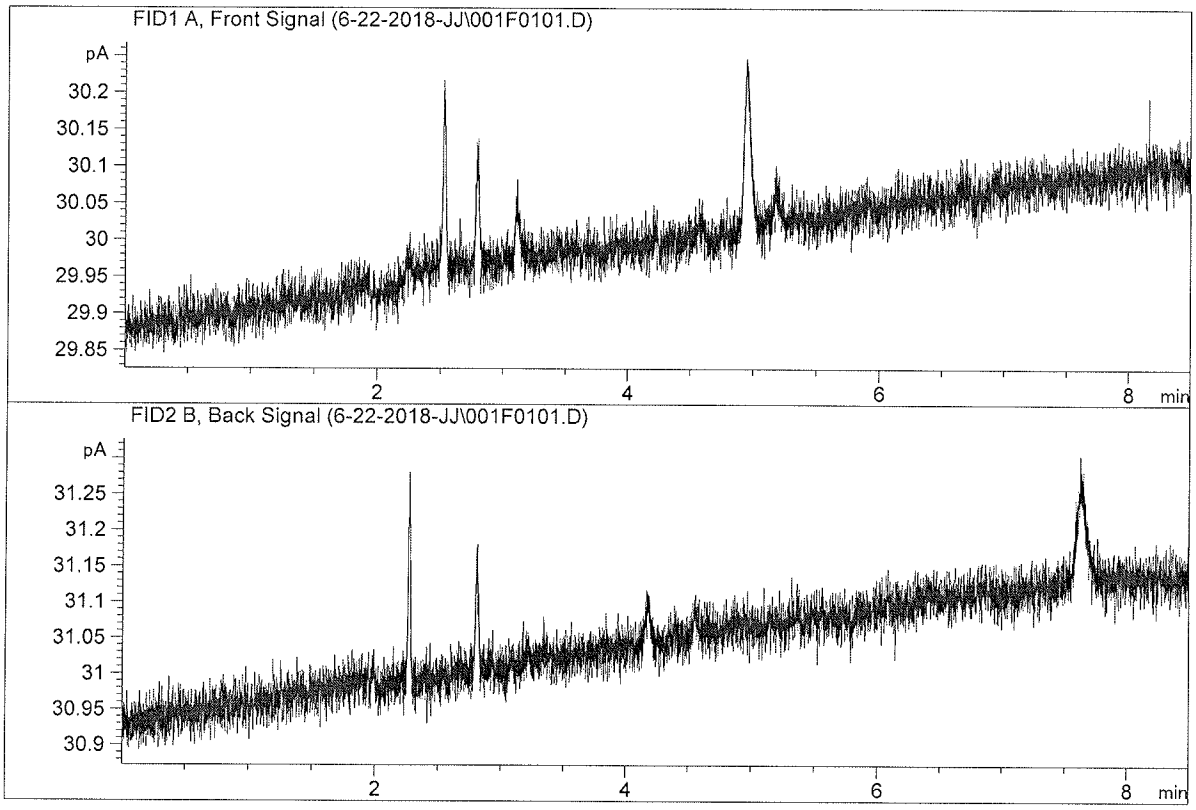


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	94.63706	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.40878	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

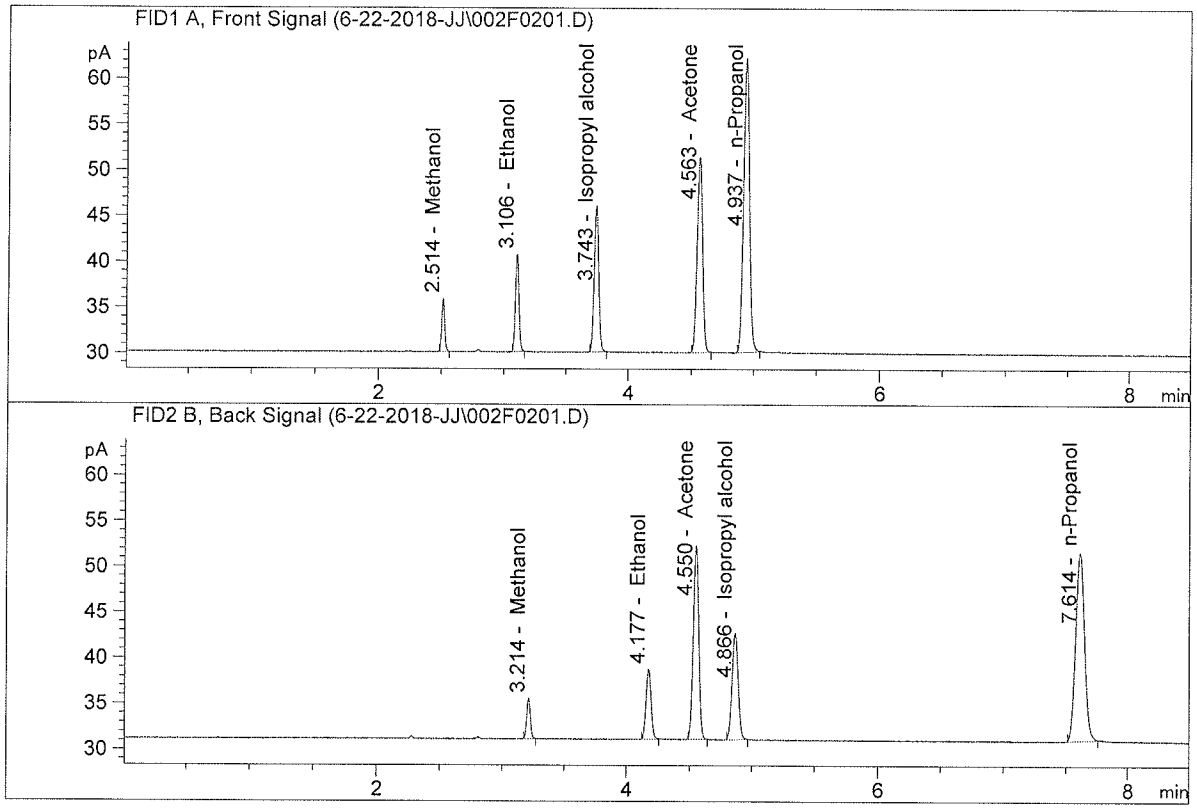
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

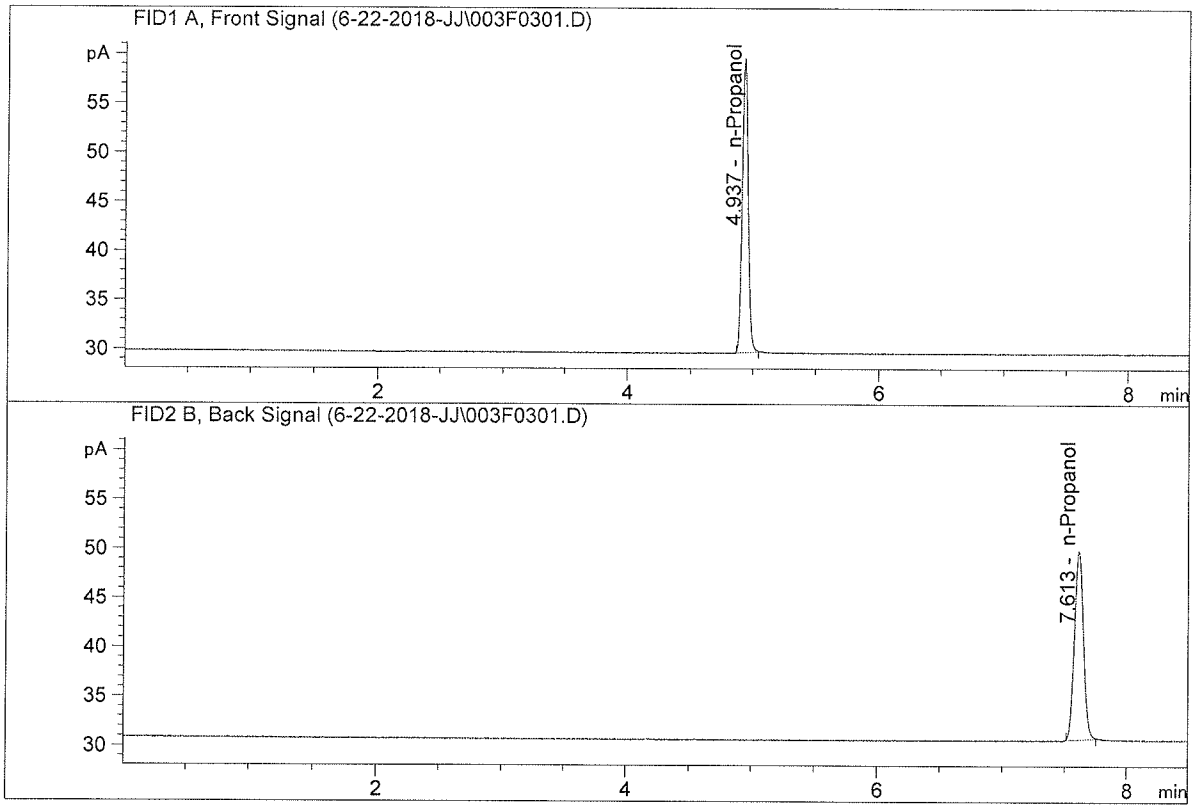


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.94167	0.1098	g/100cc
2.	Ethanol	Column 2:	21.03345	0.1097	g/100cc
3.	n-Propanol	Column 1:	105.01361	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.66387	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 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:	97.94432	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.49676	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 22 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0749	0.0748	0.0001	0.0748	0.0748	
(g/100cc)	0.0749	0.0749	0.0000	0.0749		

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%**

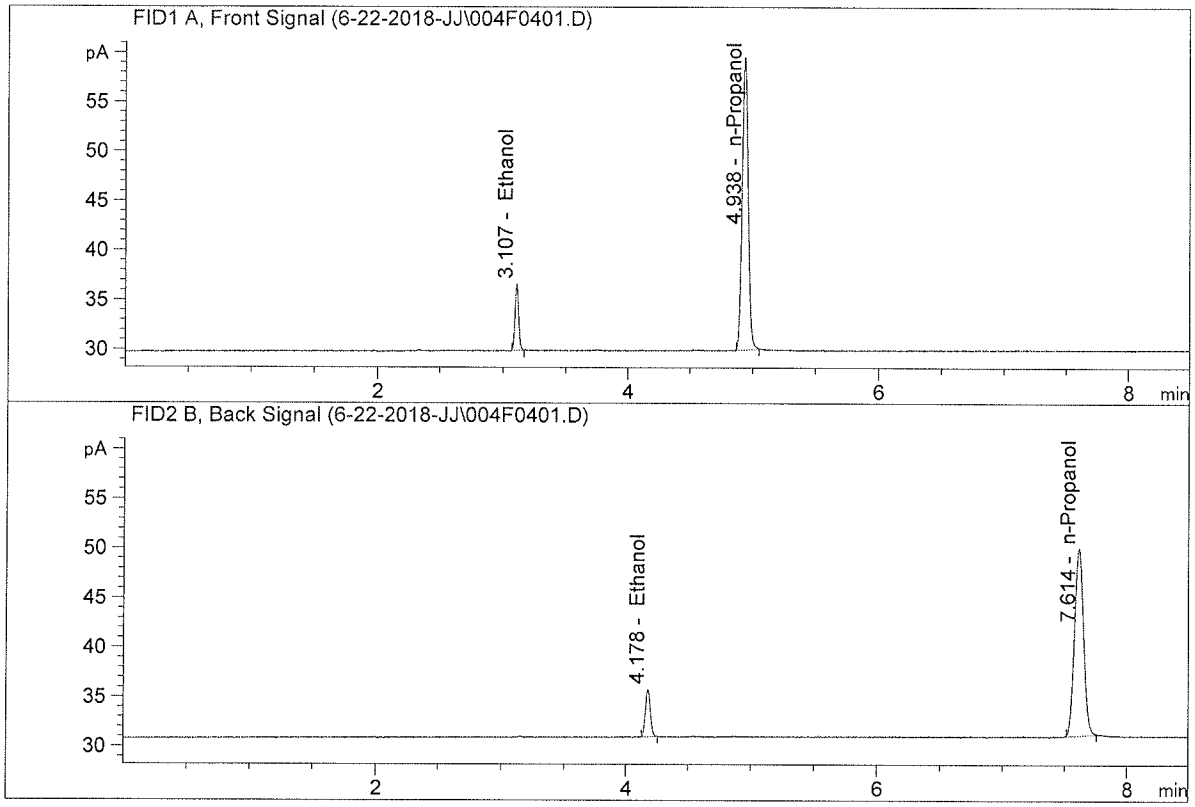
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	0.070	0.078	0.004

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 : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

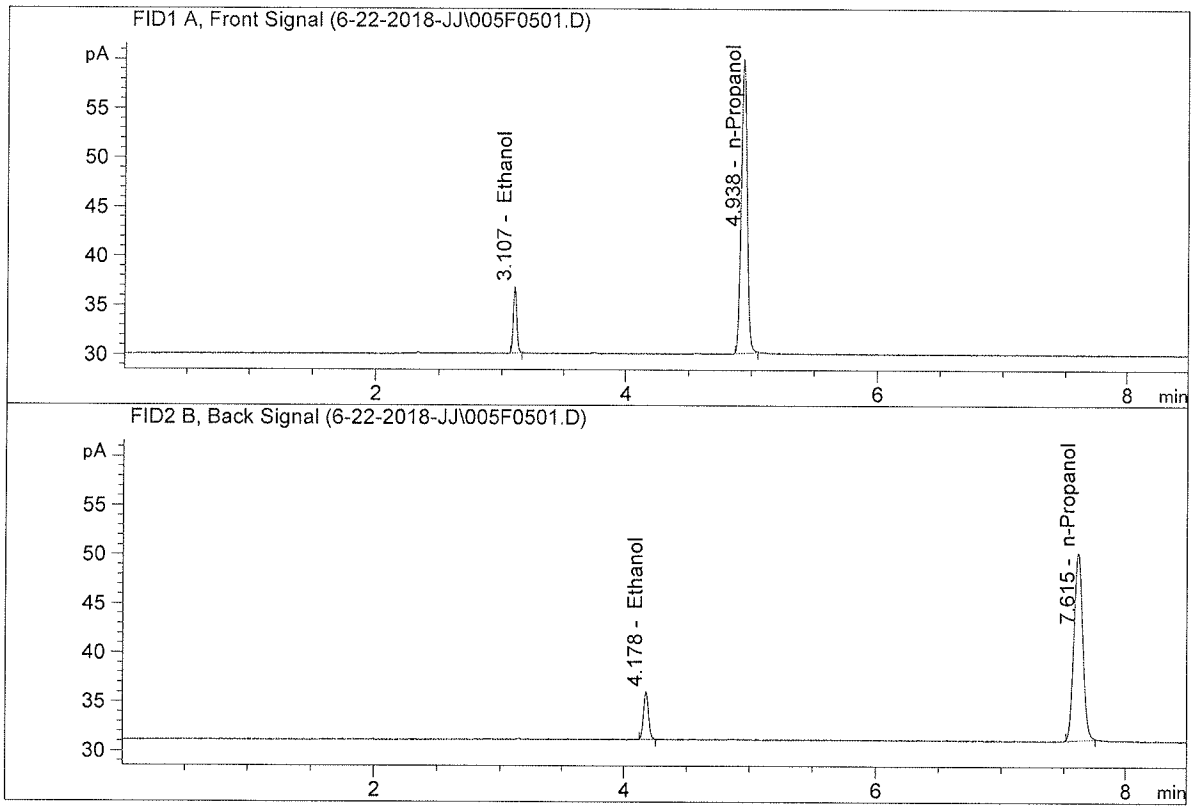


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.18467	0.0749	g/100cc
2.	Ethanol	Column 2:	13.20073	0.0748	g/100cc
3.	n-Propanol	Column 1:	96.91426	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.37667	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC-1-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.28726	0.0749	g/100cc
2.	Ethanol	Column 2:	13.32470	0.0749	g/100cc
3.	n-Propanol	Column 1:	97.70271	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.13797	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 22 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0796	0.0793	0.0003	0.0794	0.0809	
(g/100cc)	0.0823	0.0824	0.0001	0.0823		

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
0.080	0.076	0.084	0.004

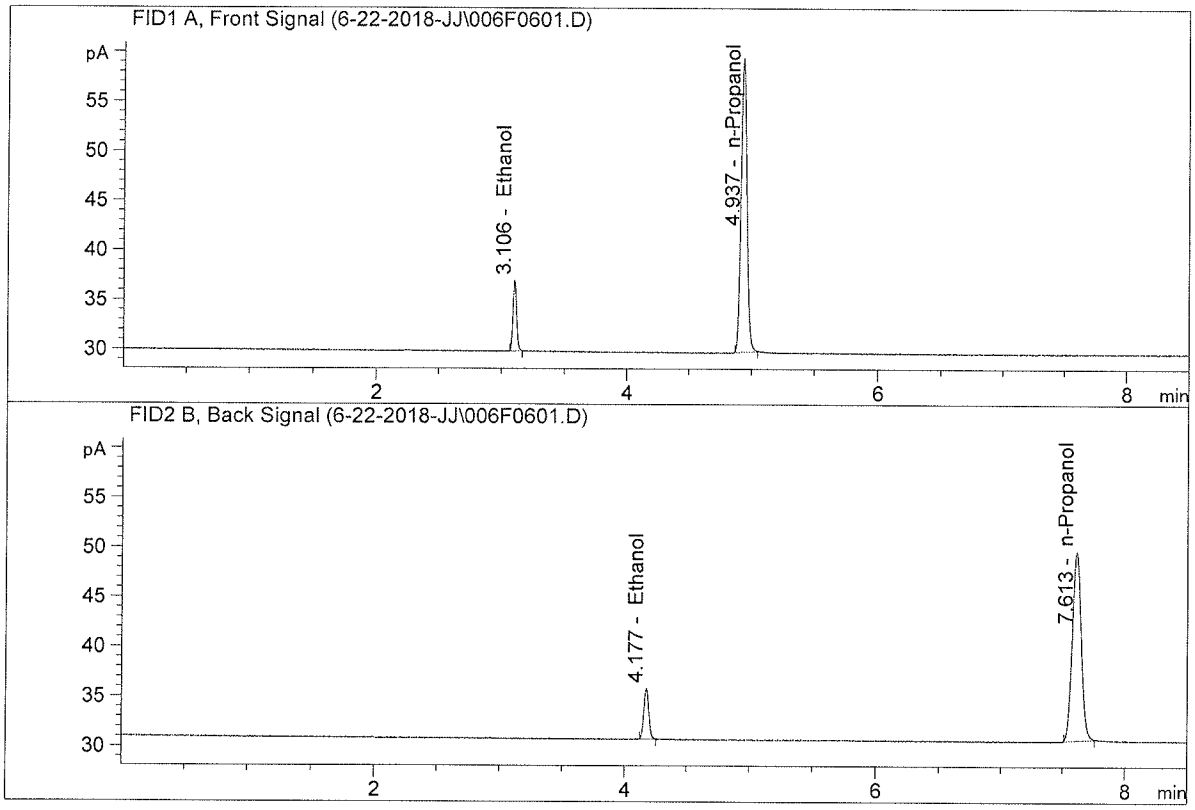
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

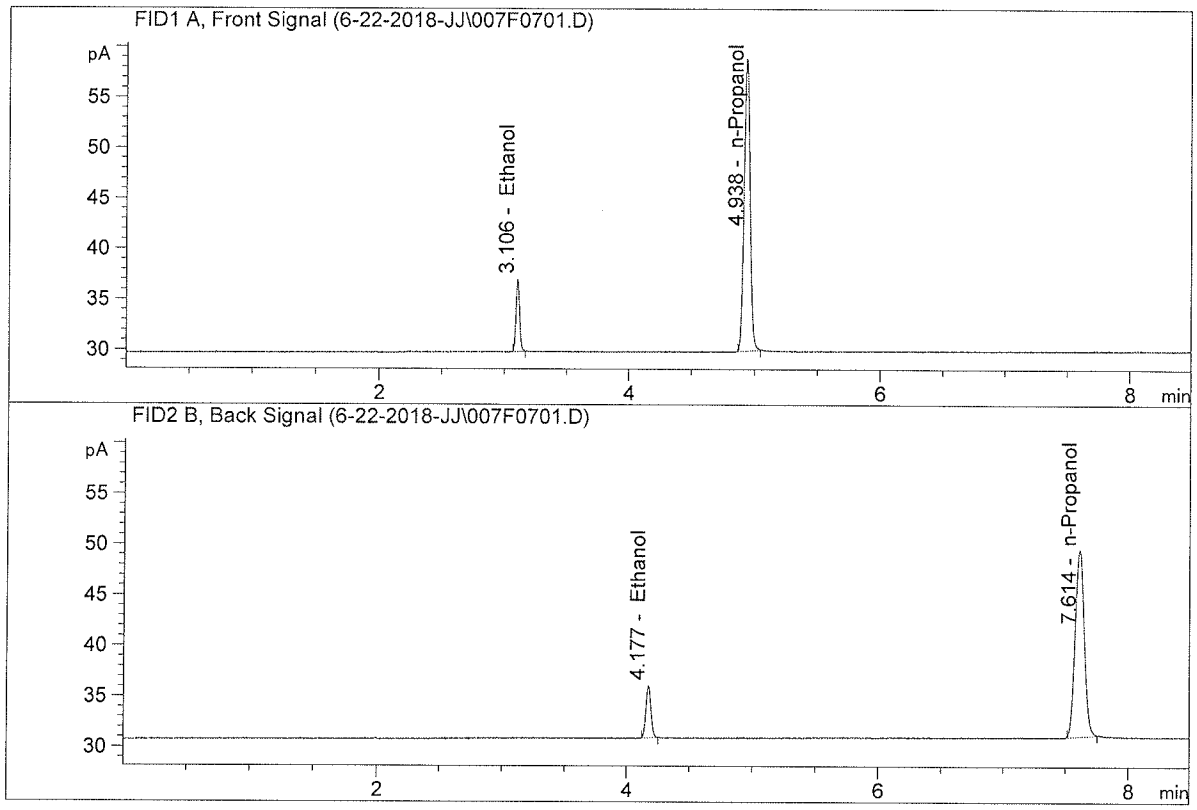
Sample Name	:	0.08 FN10281510-A
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.05043	0.0796	g/100cc
2.	Ethanol	Column 2:	14.06529	0.0793	g/100cc
3.	n-Propanol	Column 1:	97.19003	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.83035	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.14849	0.0823	g/100cc
2.	Ethanol	Column 2:	14.17487	0.0824	g/100cc
3.	n-Propanol	Column 1:	94.65870	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.01710	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 22 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1936	0.1930	0.0006	0.1933	0.1935	
(g/100cc)	0.1938	0.1938	0.0000	0.1938		

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**

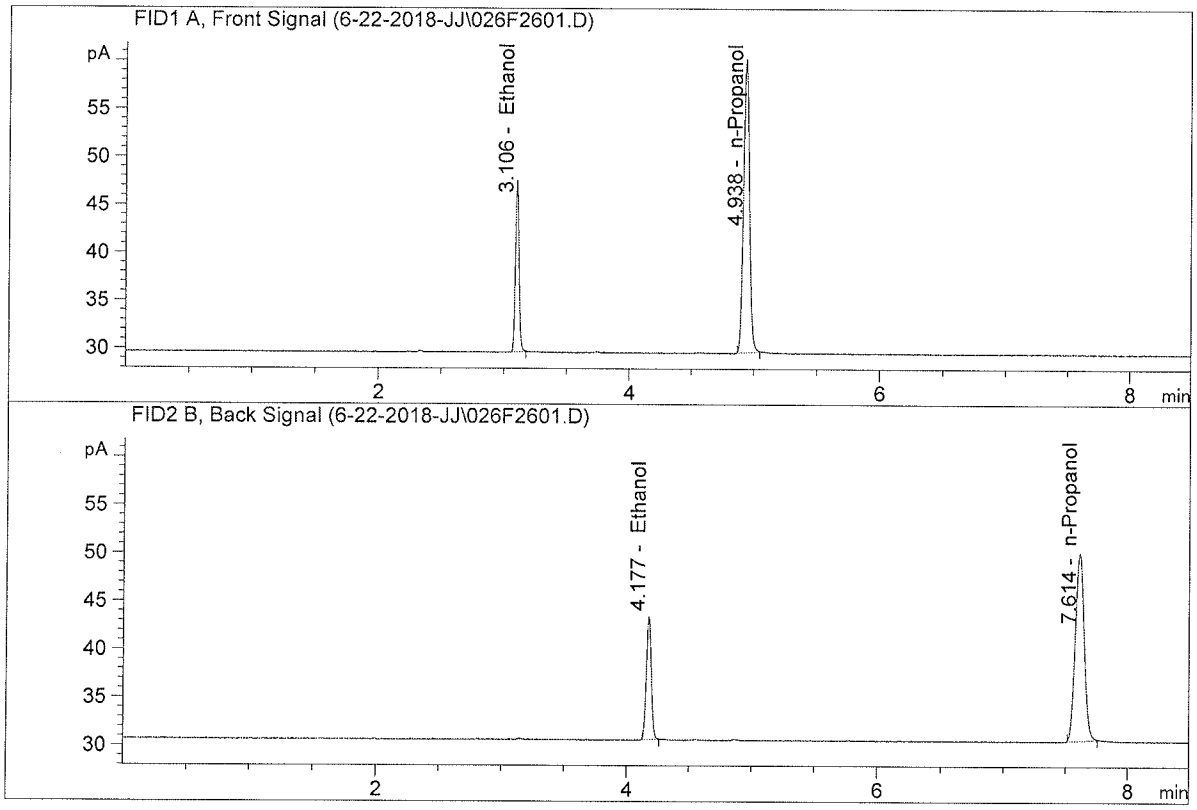
Reported Result

0.193

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

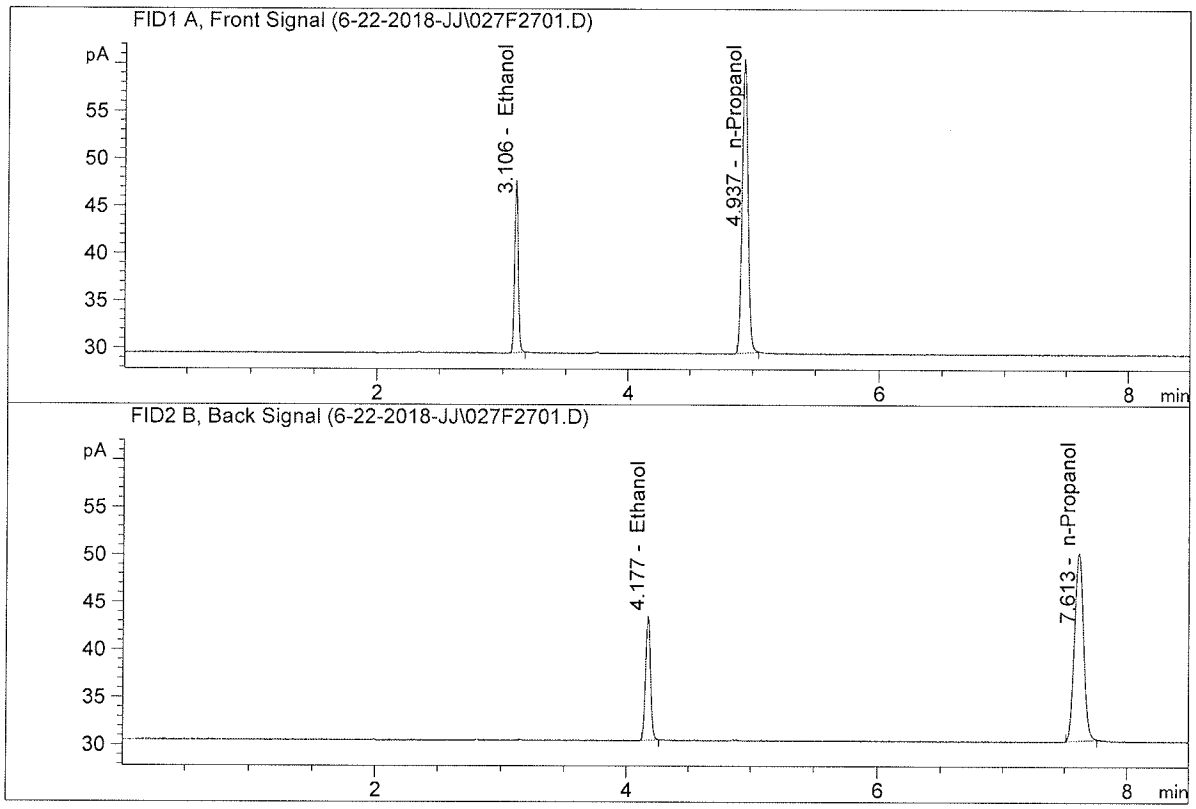
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.18156	0.1936	g/100cc
2.	Ethanol	Column 2:	35.20412	0.1930	g/100cc
3.	n-Propanol	Column 1:	100.06123	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.58795	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC-2-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.76151	0.1938	g/100cc
2.	Ethanol	Column 2:	35.83105	0.1938	g/100cc
3.	n-Propanol	Column 1:	101.59077	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.92257	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 22 Jun 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1945	0.1942	0.0003	0.1943	0.1947	
(g/100cc)	0.1949	0.1953	0.0004	0.1951		

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%**

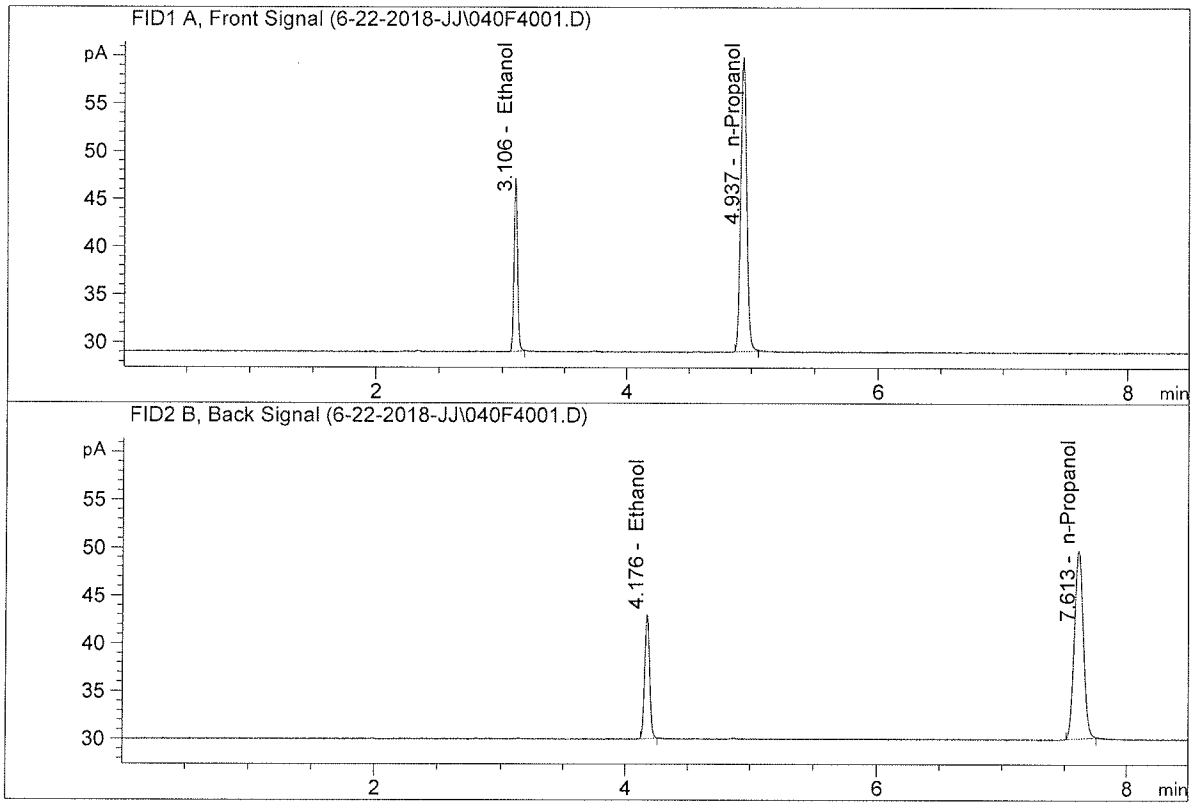
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

	Reported Result	
	0.194	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

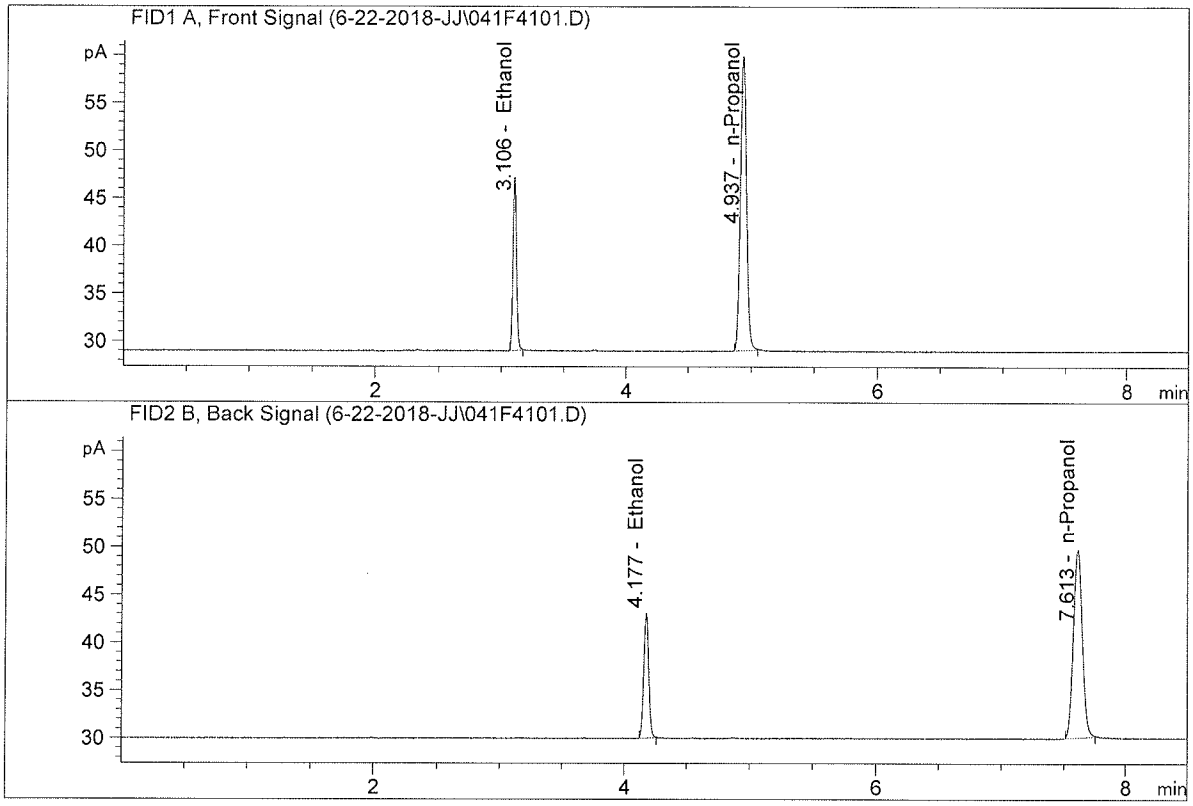
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.75502	0.1945	g/100cc
2.	Ethanol	Column 2:	35.69729	0.1942	g/100cc
3.	n-Propanol	Column 1:	101.24023	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.34032	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

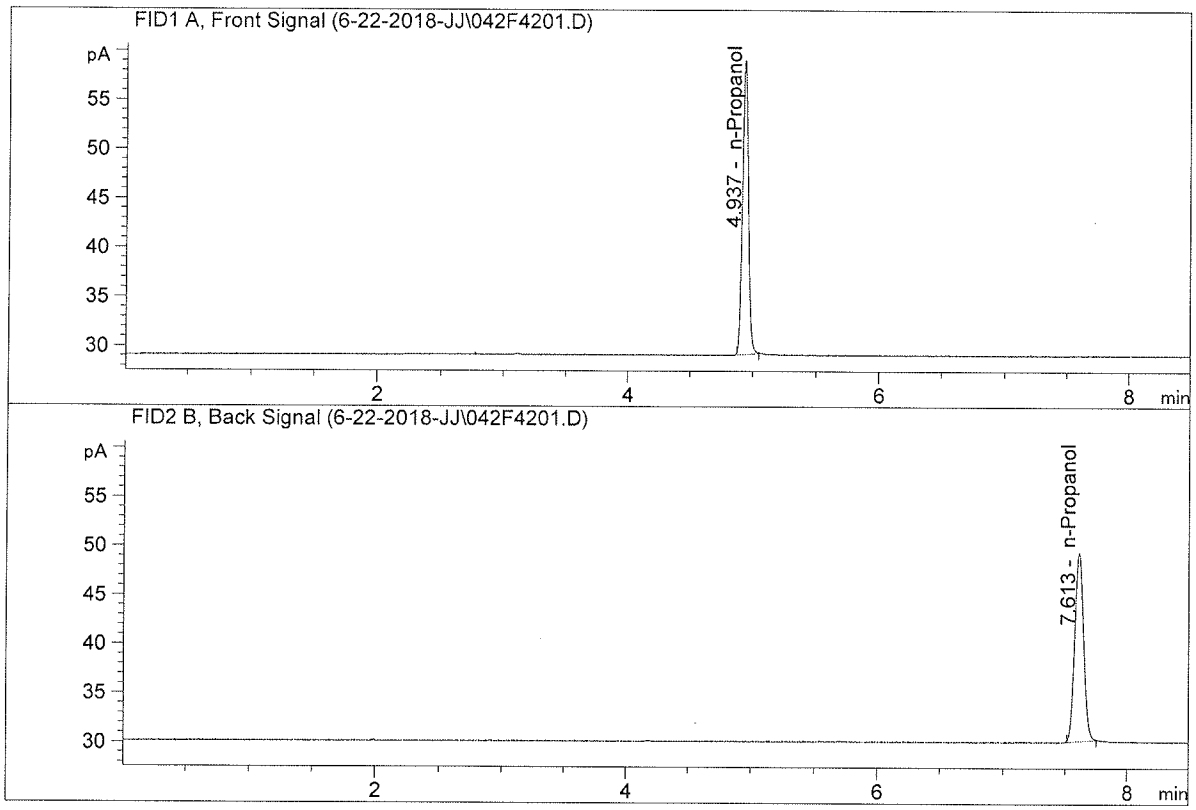


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.80427	0.1949	g/100cc
2.	Ethanol	Column 2:	35.92661	0.1953	g/100cc
3.	n-Propanol	Column 1:	101.16463	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.44265	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Jun 22, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

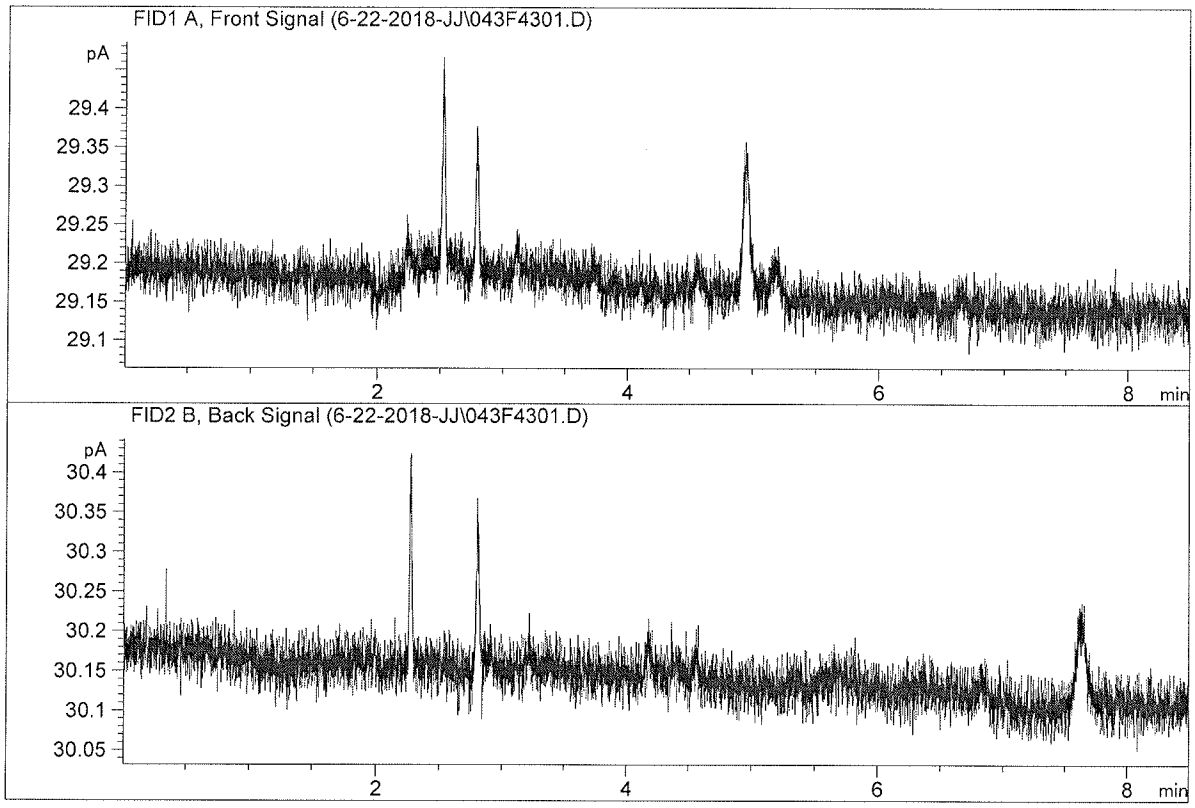


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	98.13422	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.72311	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jun 22, 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

99