Worklist: 2055

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-2265	1	99427	Alcohol Analysis
C2017-2266	1	99430	Alcohol Analysis
C2017-2269	1	99470	Alcohol Analysis
C2017-2278	1	99508	Alcohol Analysis
C2017-2282	1	99572	Alcohol Analysis
C2017-2291	1	99602	Alcohol Analysis
C2017-2299	1	99644	Alcohol Analysis
C2017-2303	1	99956	Alcohol Analysis
C2017-2307	1	100045	Alcohol Analysis
C2017-2392	1	100823	Alcohol Analysis
C2017-2410	1	101032	Alcohol Analysis
C2017-2411	1	101033	Alcohol Analysis
C2017-2420	1	101064	Alcohol Analysis
C2017-2431	1	101145	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): 12/1/2017**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0767 g/100cc
					0.0770 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1992 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	1.00000	**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	0.0495	0.0490	0.0005	0.0492
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0999	0.0989	0.001	0.0994
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1992	0.1981	0.0011	0.1986
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3011	0.3001	0.001	0.3006
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4997	0.5010	0.0013	0.5003

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.080 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 : Friday, December 01, 2017 2:08:33 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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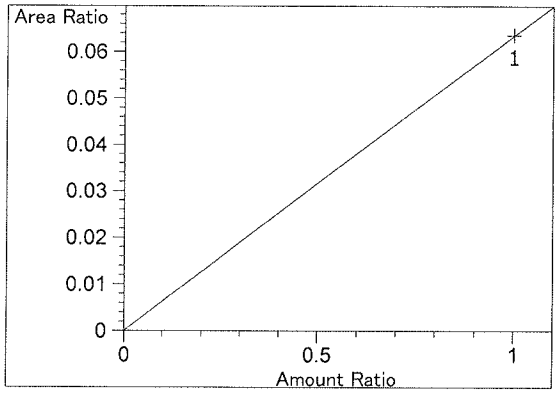
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.103	1	1	5.00000e-2	7.60243	6.57684e-3	No	No	1	Ethanol
		2	1.00000e-1	15.55947	6.42695e-3				
		3	2.00000e-1	31.18666	6.41300e-3				
		4	3.00000e-1	47.99673	6.25043e-3				
		5	5.00000e-1	79.88114	6.25930e-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	7.56755	6.60716e-3	No	No	2	Ethanol
		2	1.00000e-1	15.46626	6.46569e-3				
		3	2.00000e-1	30.94820	6.46241e-3				
		4	3.00000e-1	47.79300	6.27707e-3				
		5	5.00000e-1	79.68874	6.27441e-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
4.933	1	1	1.00000	79.42340	1.25907e-2	No	Yes	1	n-Propanol
		2	1.00000	80.54182	1.24159e-2				
		3	1.00000	80.93969	1.23549e-2				
		4	1.00000	82.40980	1.21345e-2				
		5	1.00000	82.64787	1.20995e-2				
7.606	2	1	1.00000	78.74364	1.26994e-2	No	Yes	2	n-Propanol
		2	1.00000	79.80138	1.25311e-2				
		3	1.00000	79.68917	1.25488e-2				
		4	1.00000	81.23093	1.23106e-2				
		5	1.00000	81.14034	1.23243e-2				

Peak Sum Table

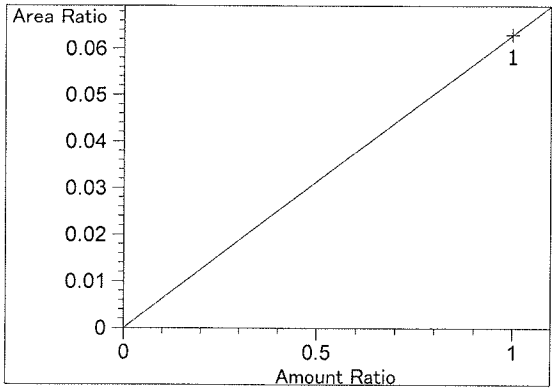
No Entries in table

Calibration Curves

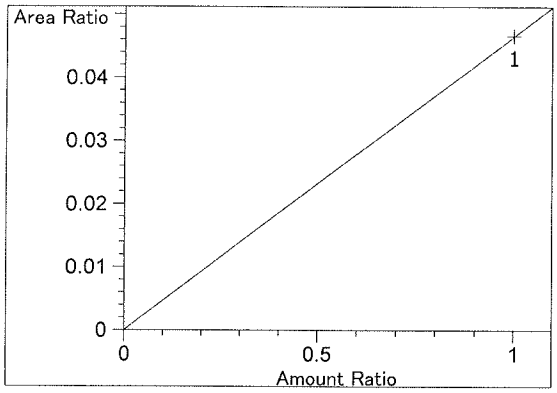


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.34972e-2
x: Amount Ratio
y: Area Ratio

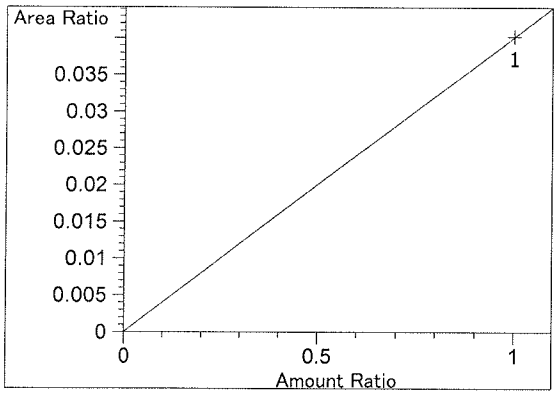
99



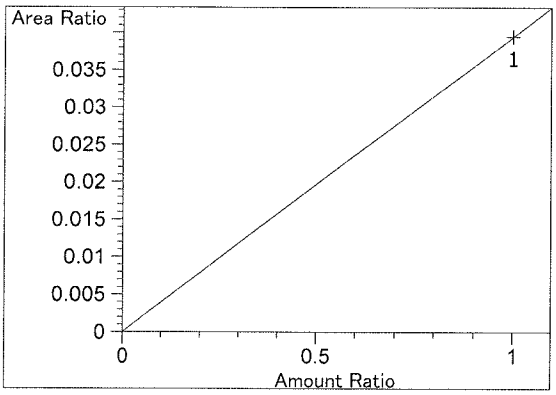
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.29537e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.65442e-2
x: Amount Ratio
y: Area Ratio

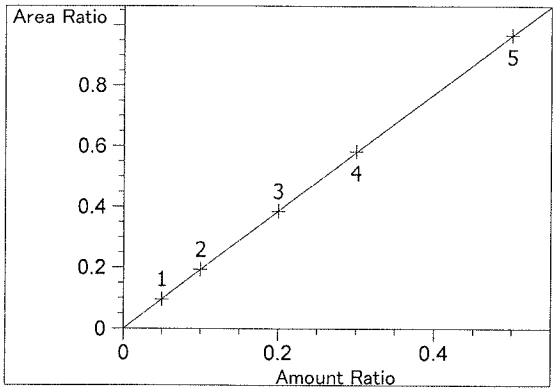


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.02036e-2
x: Amount Ratio
y: Area Ratio

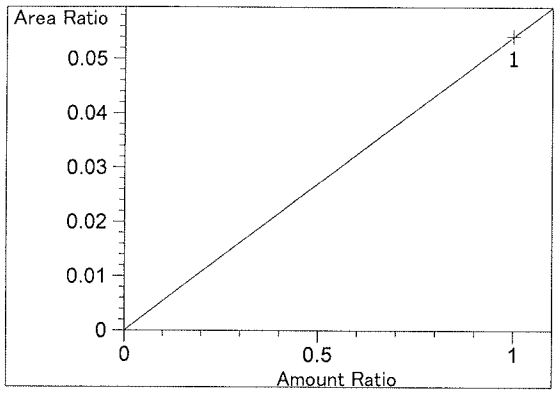


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.94413e-2
x: Amount Ratio
y: Area Ratio

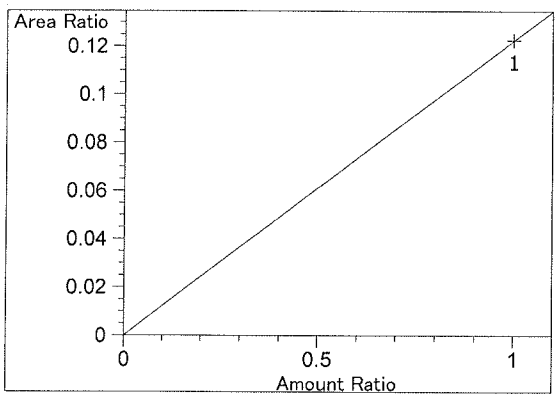
99



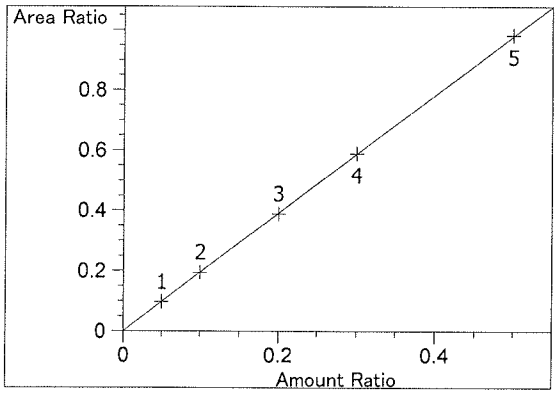
Ethanol at exp. RT: 3.103
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00145
Formula: y = mx
m: 1.93415
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.41075e-2
x: Amount Ratio
y: Area Ratio

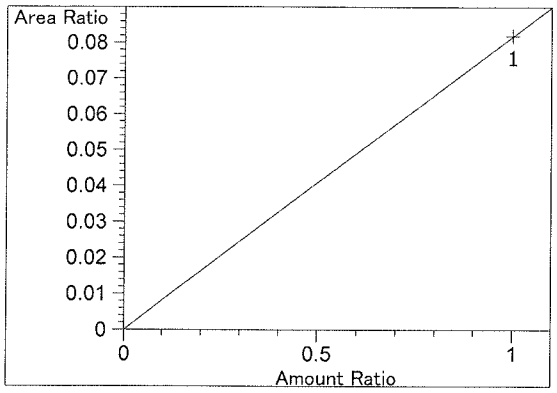


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.22515e-1
x: Amount Ratio
y: Area Ratio

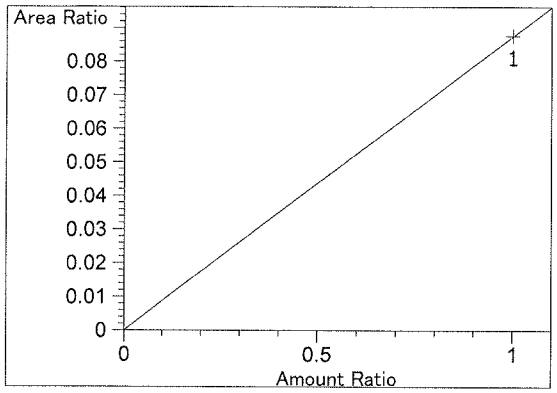


Ethanol at exp. RT: 4.173
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00256
Formula: y = mx
m: 1.96031
x: Amount Ratio
y: Area Ratio

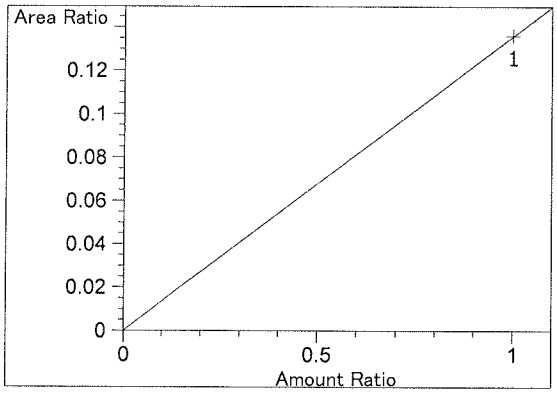
99



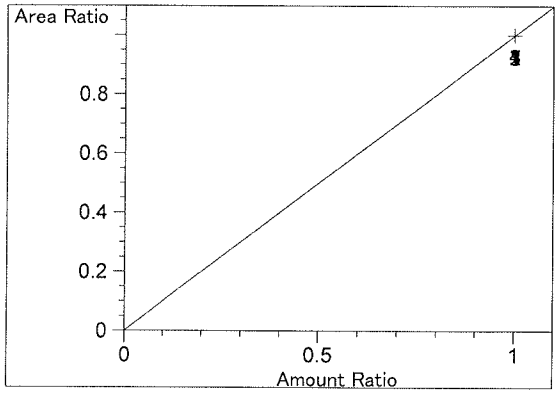
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.18323e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.75373e-2
x: Amount Ratio
y: Area Ratio

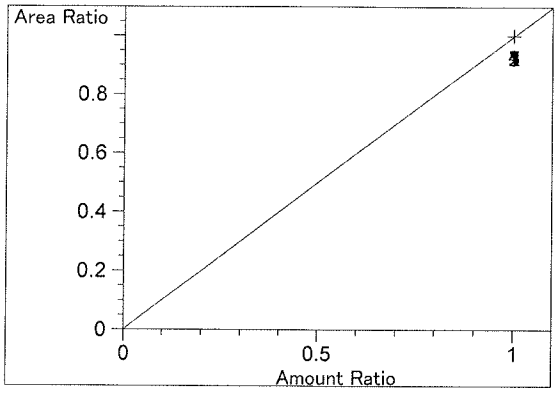


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.35965e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.933
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: 7.606
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.12.2017_11.55.39\12-1-17cal.S
Data directory path: C:\Chem32\1\Data\12-1-17calJJ
Logbook: C:\Chem32\1\Data\12-1-17calJJ\12-1-17cal.LOG
Sequence start: 12/1/2017 12:09:25 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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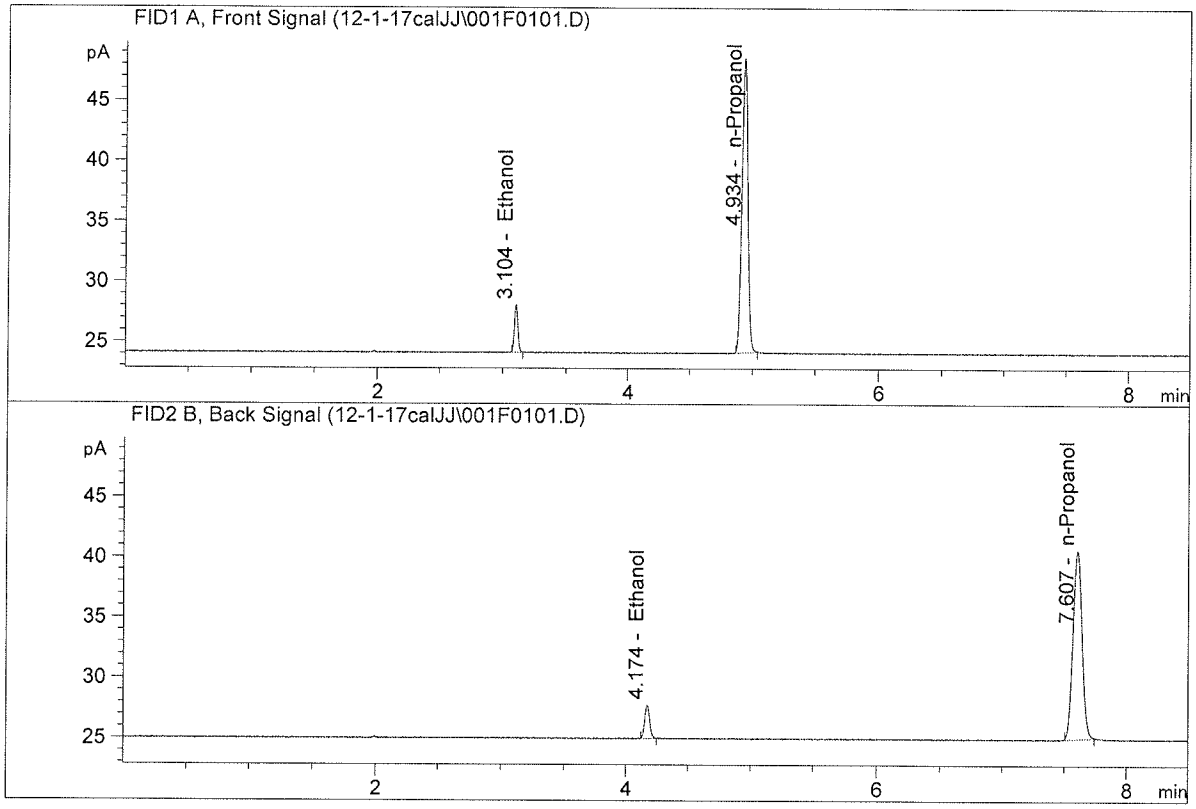
ISP Forensic Services Blood Alcohol Report

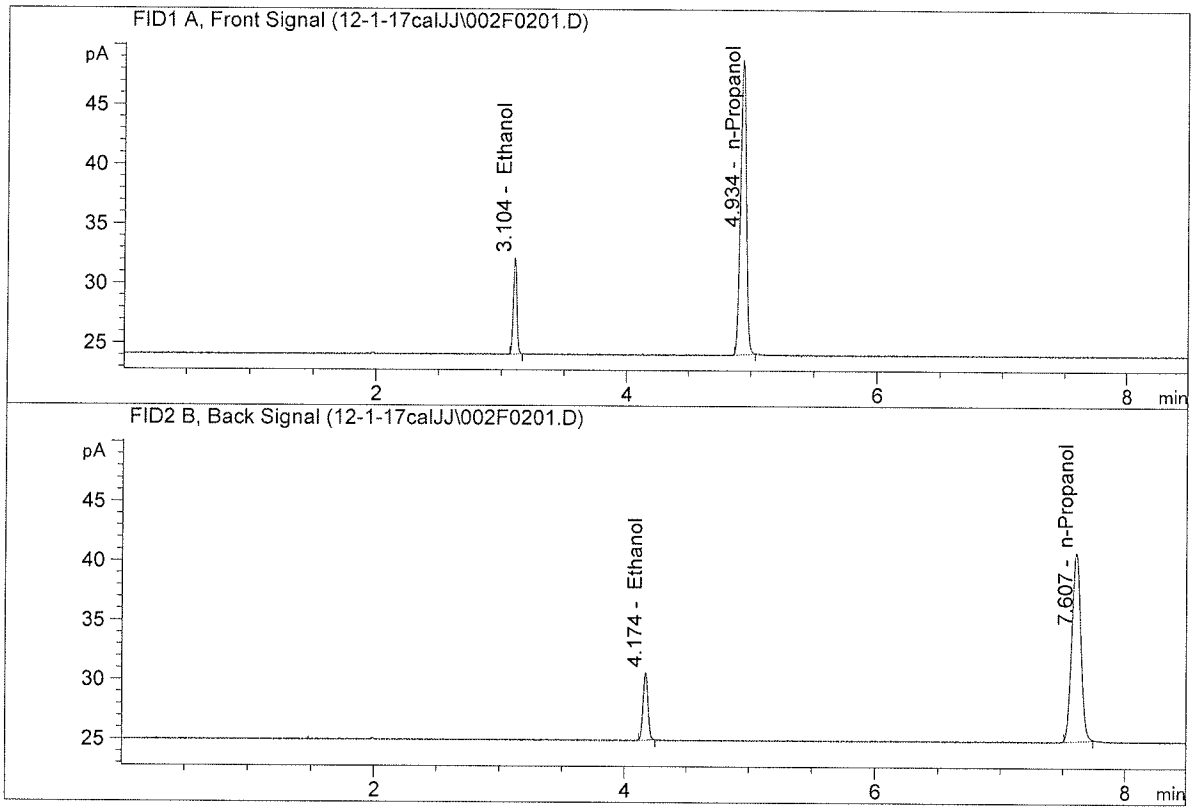
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.60243	0.0495	g/100cc
2.	Ethanol	Column 2:	7.56755	0.0490	g/100cc
3.	n-Propanol	Column 1:	79.42340	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.74364	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

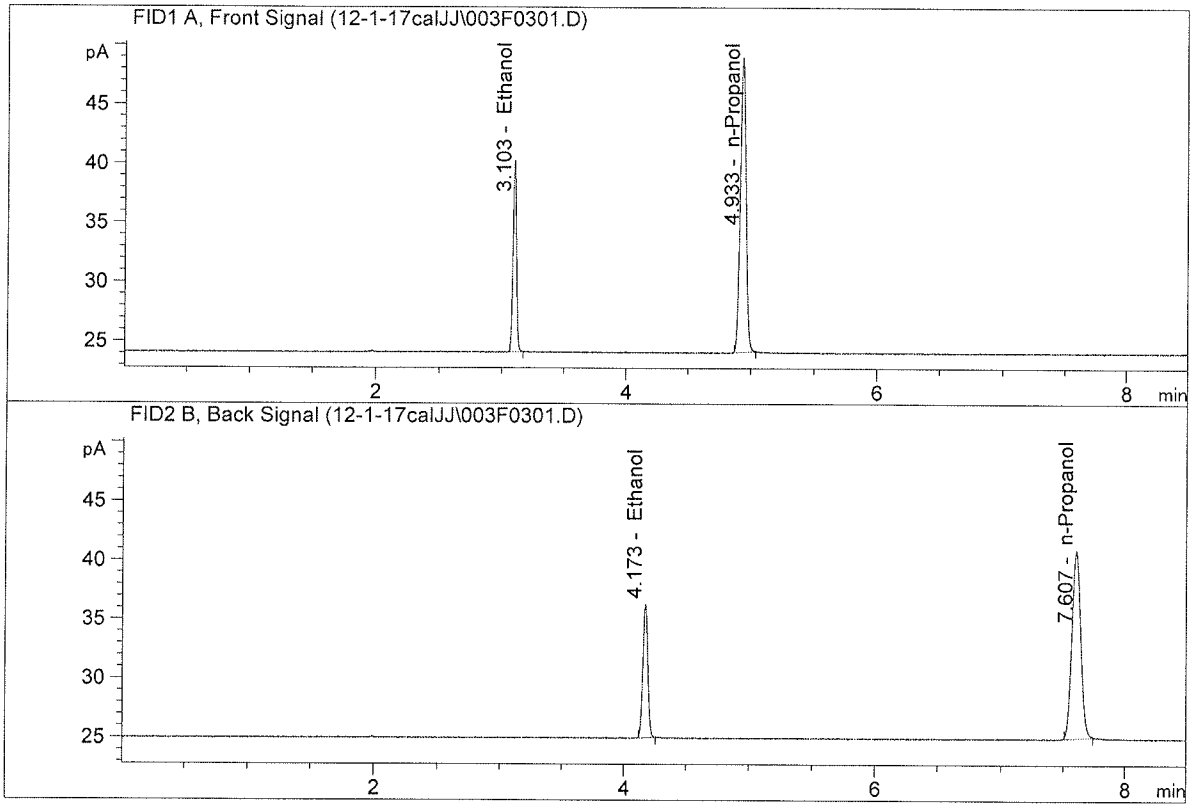
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.55947	0.0999	g/100cc
2.	Ethanol	Column 2:	15.46626	0.0989	g/100cc
3.	n-Propanol	Column 1:	80.54182	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.80138	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

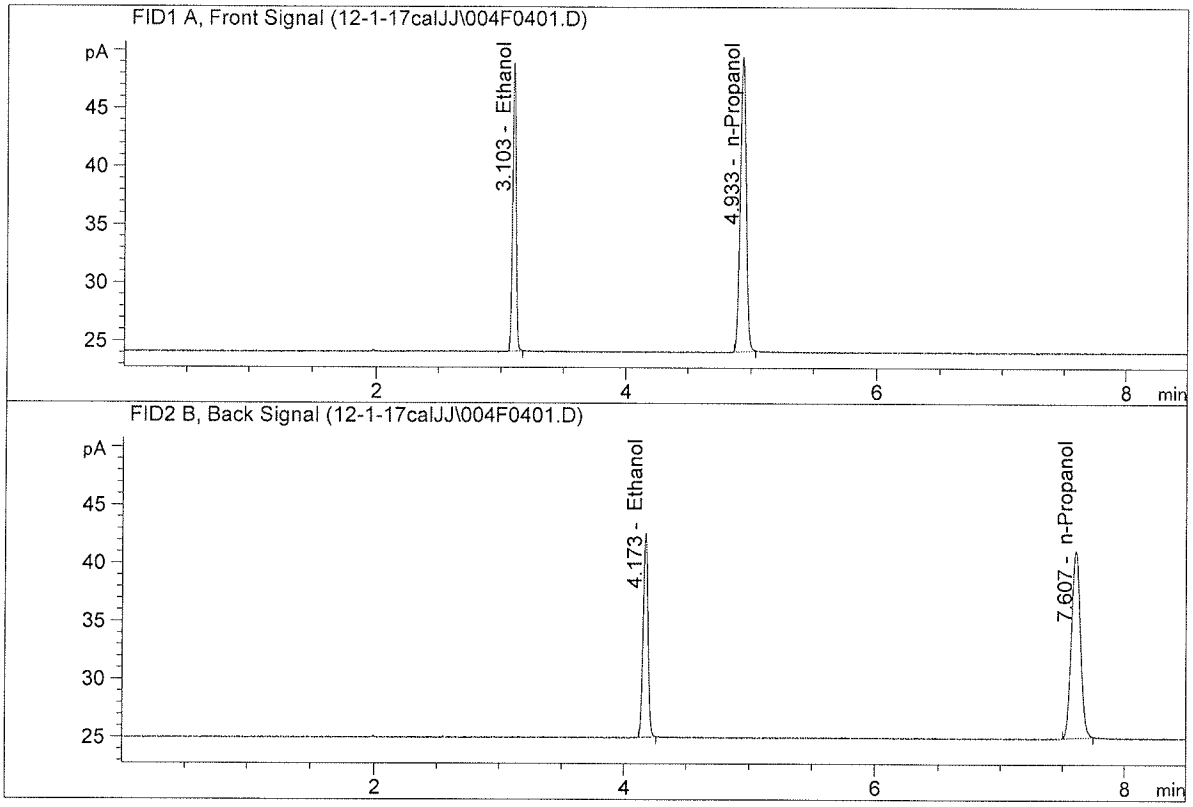
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	31.18666	0.1992	g/100cc
2.	Ethanol	Column 2:	30.94820	0.1981	g/100cc
3.	n-Propanol	Column 1:	80.93969	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.68917	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	47.99673	0.3011	g/100cc
2.	Ethanol	Column 2:	47.79300	0.3001	g/100cc
3.	n-Propanol	Column 1:	82.40980	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.23093	1.0000	g/100cc

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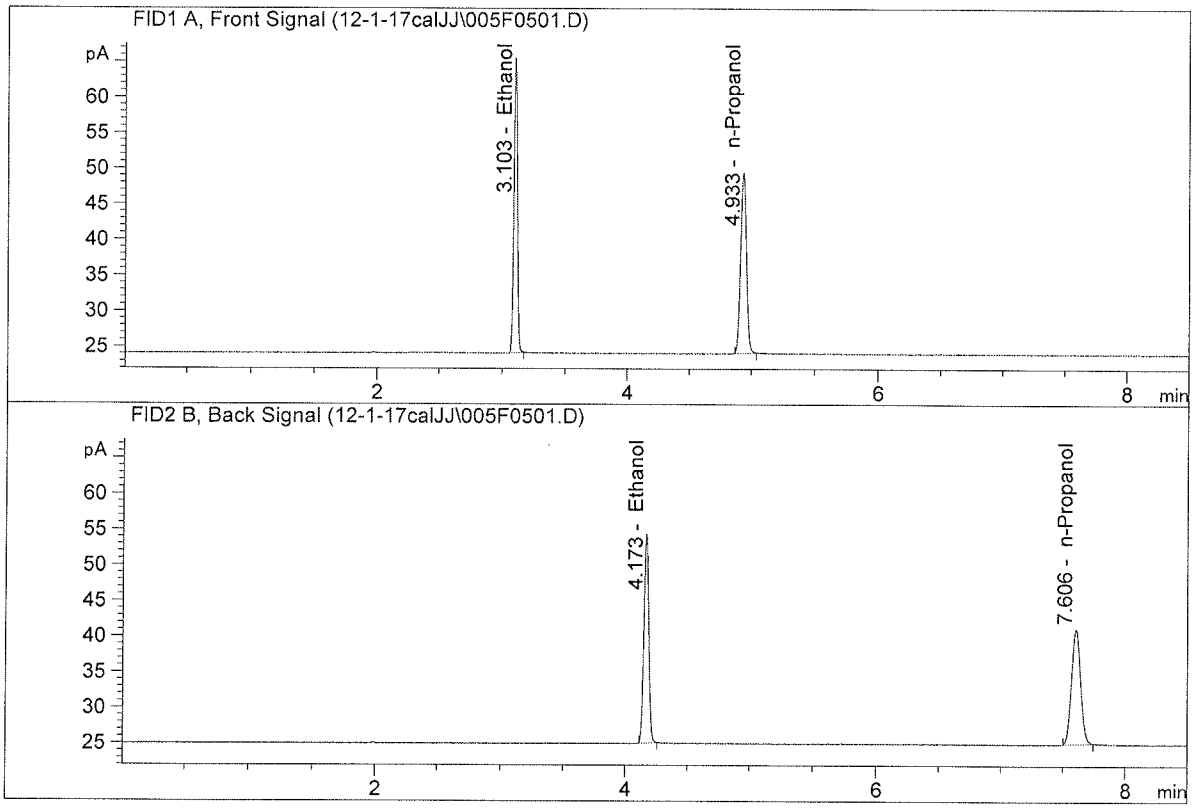
ISP Forensic Services Blood Alcohol Report

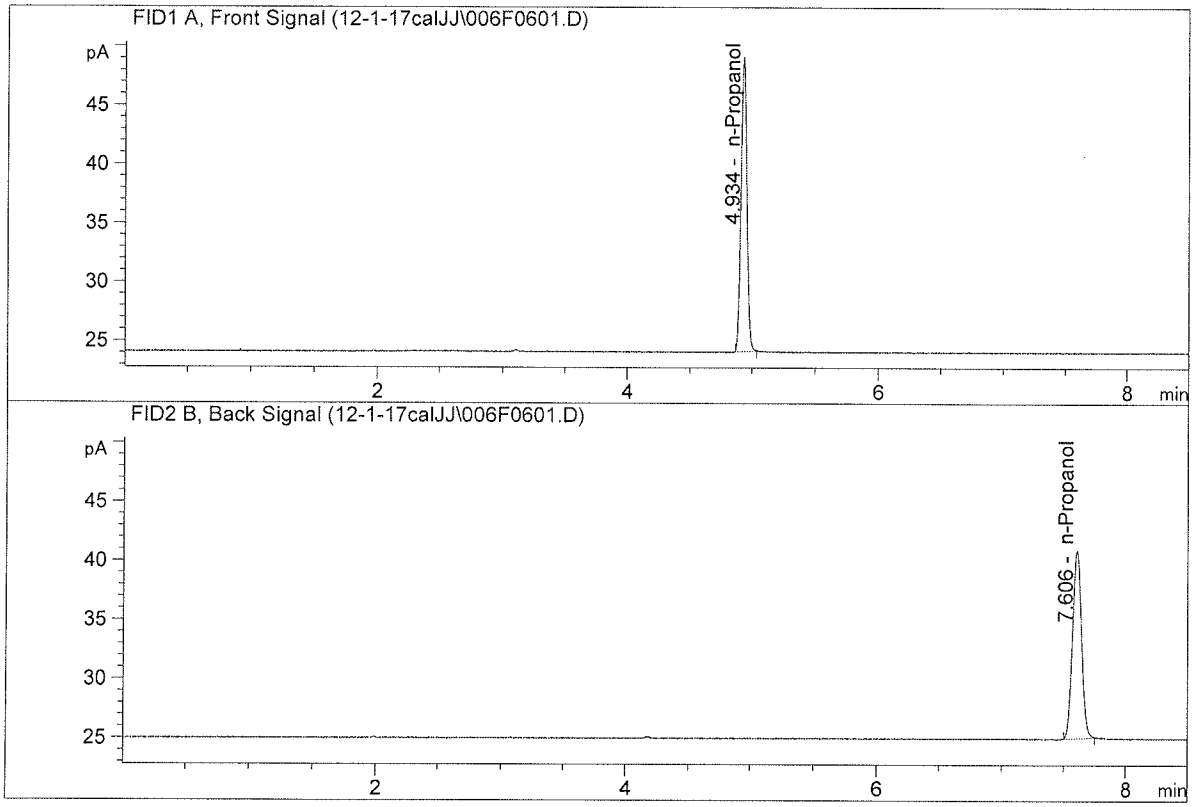
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	79.88114	0.4997	g/100cc
2.	Ethanol	Column 2:	79.68874	0.5010	g/100cc
3.	n-Propanol	Column 1:	82.64787	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.14034	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	blank
Laboratory	:	Coeur d' Alene
Injection Date	:	Dec 1, 2017
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:	81.16914	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.28496	1.0000	g/100cc

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_01.12.2017_02.18.18\12-1-2017.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.12.2017_02.18.18\12-1-2017.S
Data directory path: C:\Chem32\1\Data\12-1-2017-JTJ
Logbook: C:\Chem32\1\Data\12-1-2017-JTJ\12-1-2017.LOG
Sequence start: 12/1/2017 2:32:04 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 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	C2017-2265-1-A	-	1.0000	008F0801.D		2
9	9	1	C2017-2265-1-B	-	1.0000	009F0901.D		2
10	10	1	C2017-2266-1-A	-	1.0000	010F1001.D		2
11	11	1	C2017-2266-1-B	-	1.0000	011F1101.D		2
12	12	1	C2017-2269-1-A	-	1.0000	012F1201.D		4
13	13	1	C2017-2269-1-B	-	1.0000	013F1301.D		4
14	14	1	C2017-2278-1-A	-	1.0000	014F1401.D		2
15	15	1	C2017-2278-1-B	-	1.0000	015F1501.D		2
16	16	1	C2017-2282-1-A	-	1.0000	016F1601.D		4
17	17	1	C2017-2282-1-B	-	1.0000	017F1701.D		4
18	18	1	C2017-2291-1-A	-	1.0000	018F1801.D		4
19	19	1	C2017-2291-1-B	-	1.0000	019F1901.D		4
20	20	1	C2017-2299-1-A	-	1.0000	020F2001.D		4
21	21	1	C2017-2299-1-B	-	1.0000	021F2101.D		4
22	22	1	C2017-2303-1-A	-	1.0000	022F2201.D		4
23	23	1	C2017-2303-1-B	-	1.0000	023F2301.D		4
24	24	1	C2017-2307-1-A	-	1.0000	024F2401.D		2
25	25	1	C2017-2307-1-B	-	1.0000	025F2501.D		2
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	C2017-2392-1-A	-	1.0000	028F2801.D		4
29	29	1	C2017-2392-1-B	-	1.0000	029F2901.D		4
30	30	1	C2017-2410-1-A	-	1.0000	030F3001.D		4
31	31	1	C2017-2410-1-B	-	1.0000	031F3101.D		4
32	32	1	C2017-2411-1-A	-	1.0000	032F3201.D		2
33	33	1	C2017-2411-1-B	-	1.0000	033F3301.D		2
34	34	1	C2017-2420-1-A	-	1.0000	034F3401.D		4
35	35	1	C2017-2420-1-B	-	1.0000	035F3501.D		4
36	36	1	C2017-2431-1-A	-	1.0000	036F3601.D		4
37	37	1	C2017-2431-1-B	-	1.0000	037F3701.D		4
38	38	1	QC-2-A	-	1.0000	038F3801.D		4
39	39	1	QC-2-B	-	1.0000	039F3901.D		4
40	40	1	ISTD BLANK	-	1.0000	040F4001.D		2
41	41	1	water	-	1.0000	041F4101.D		0

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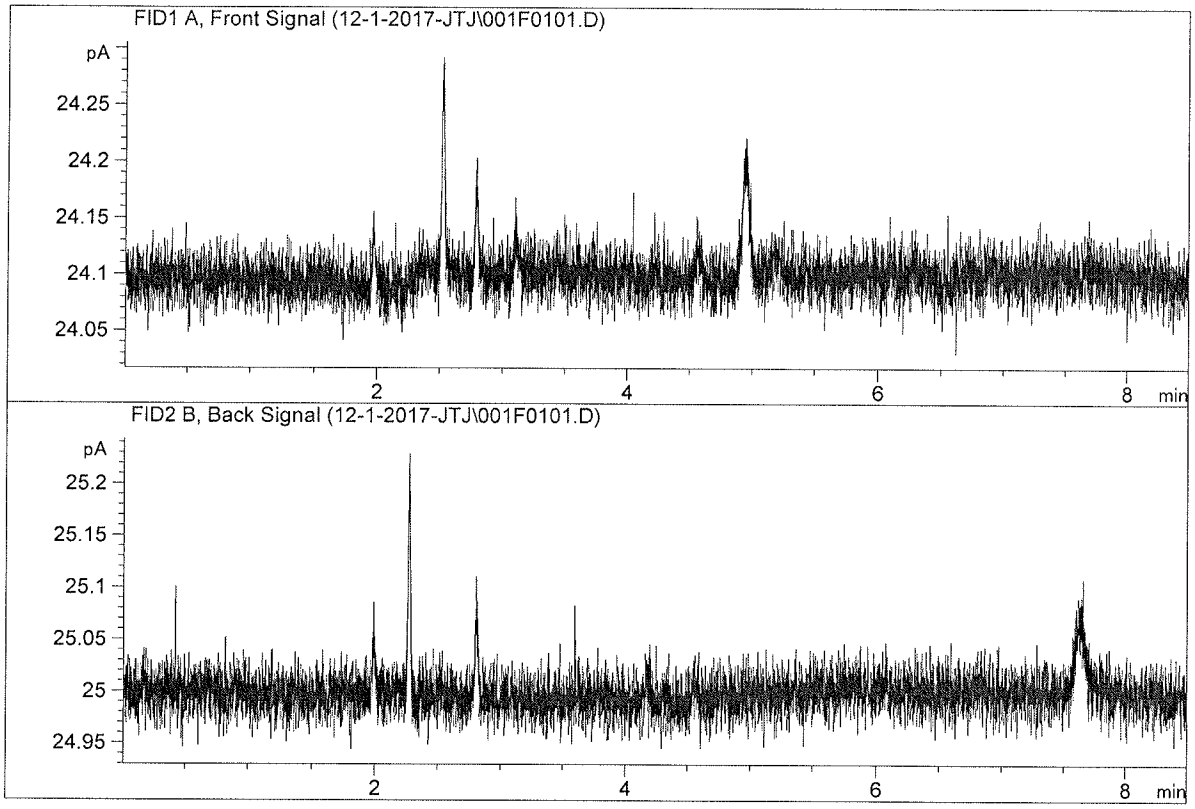
ISP Forensic Services Blood Alcohol Report

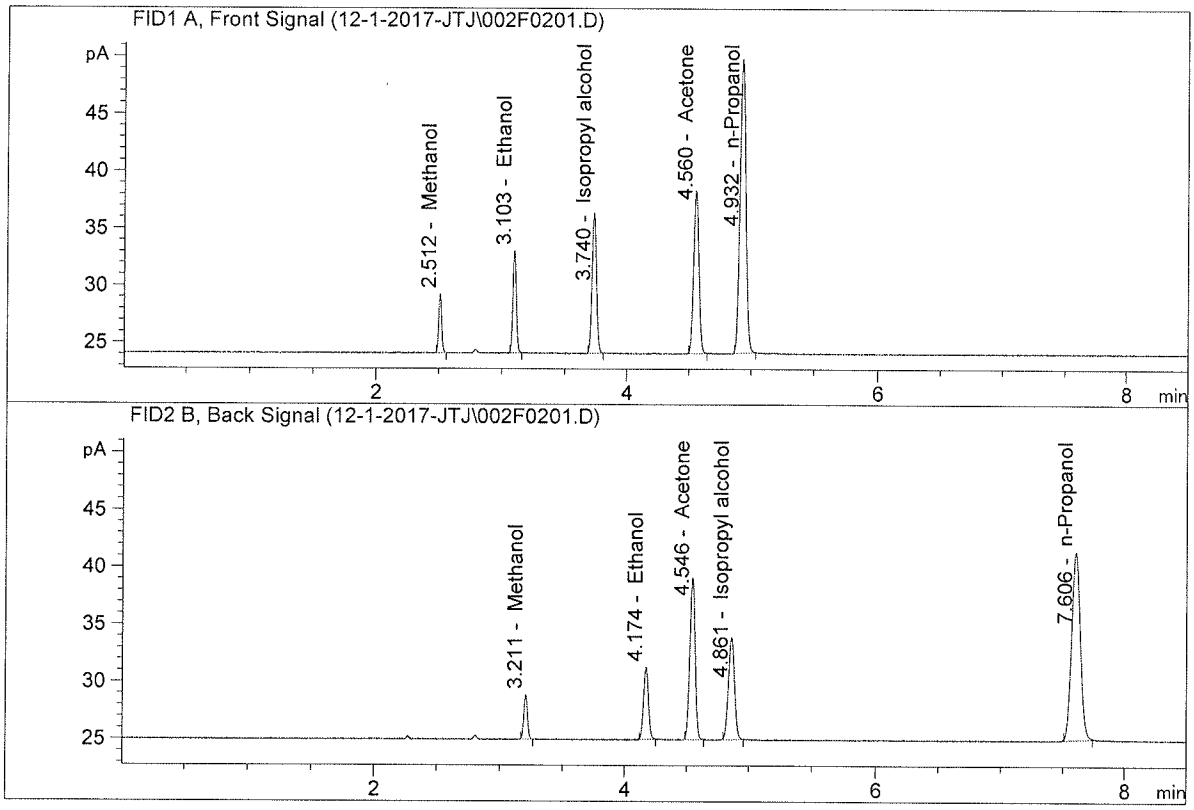
Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Dec 1, 2017
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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

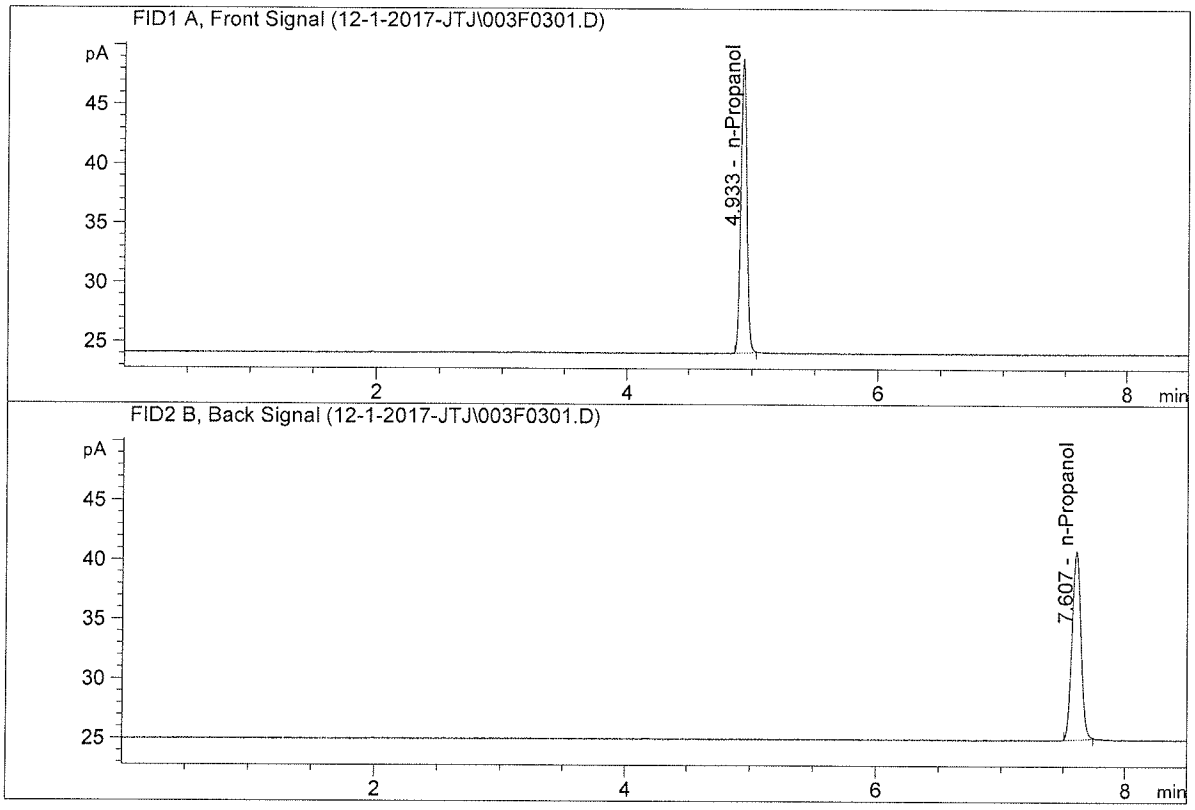
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.30246	0.1070	g/100cc
2.	Ethanol	Column 2:	17.29951	0.1072	g/100cc
3.	n-Propanol	Column 1:	83.56738	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.35666	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
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:	80.65208	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.62534	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 01 Dec 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0769	0.0764	0.0005	0.0766	0.0767	
(g/100cc)	0.0770	0.0765	0.0005	0.0767		

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**

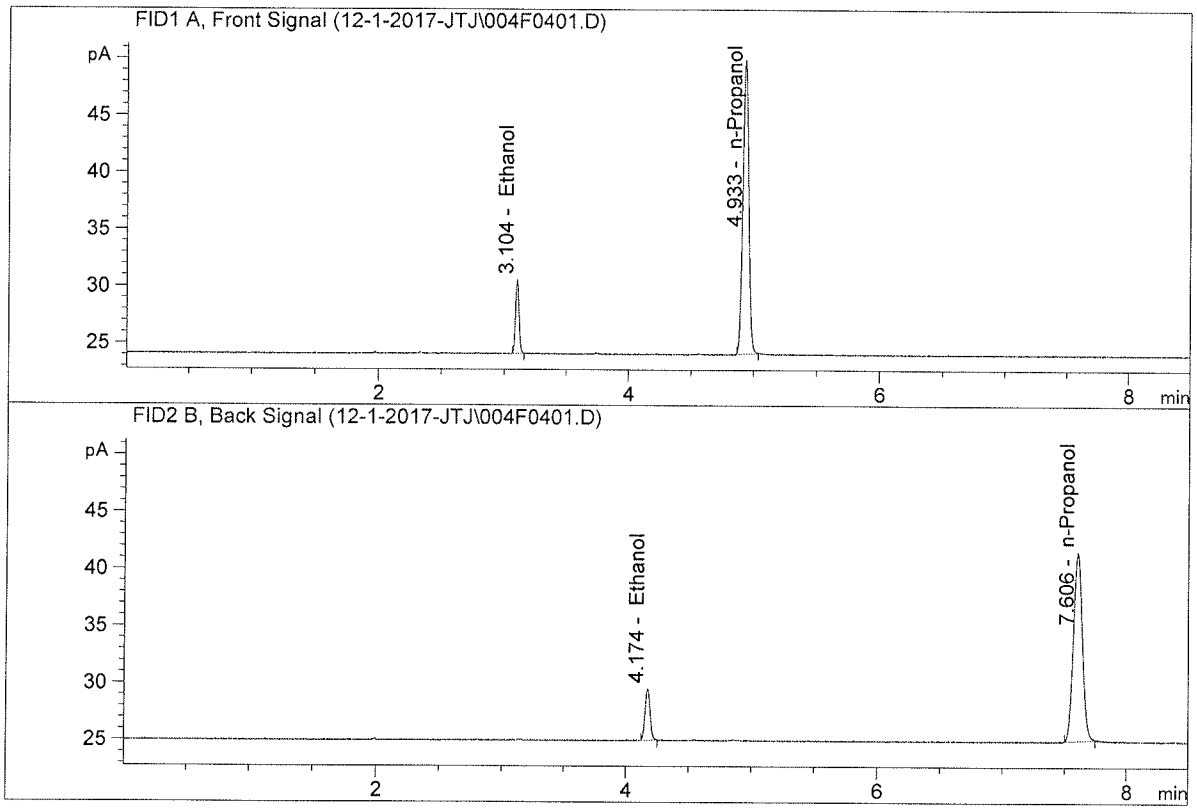
Reported Result

0.076

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

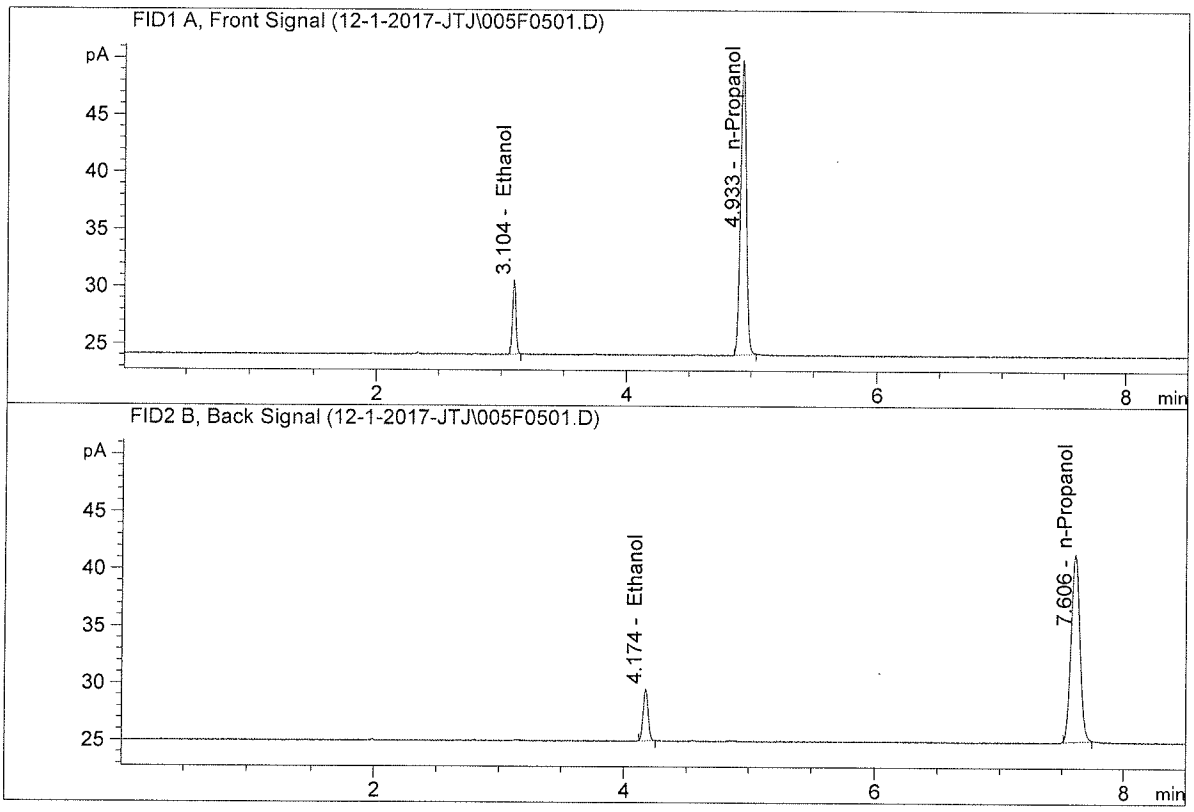
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.50686	0.0769	g/100cc
2.	Ethanol	Column 2:	12.42708	0.0764	g/100cc
3.	n-Propanol	Column 1:	84.12028	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.95557	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.48619	0.0770	g/100cc
2.	Ethanol	Column 2:	12.36221	0.0765	g/100cc
3.	n-Propanol	Column 1:	83.78805	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.41582	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 01 Dec 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0805	0.0799	0.0006	0.0802	0.0802	
(g/100cc)	0.0805	0.0800	0.0005	0.0802		

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%**

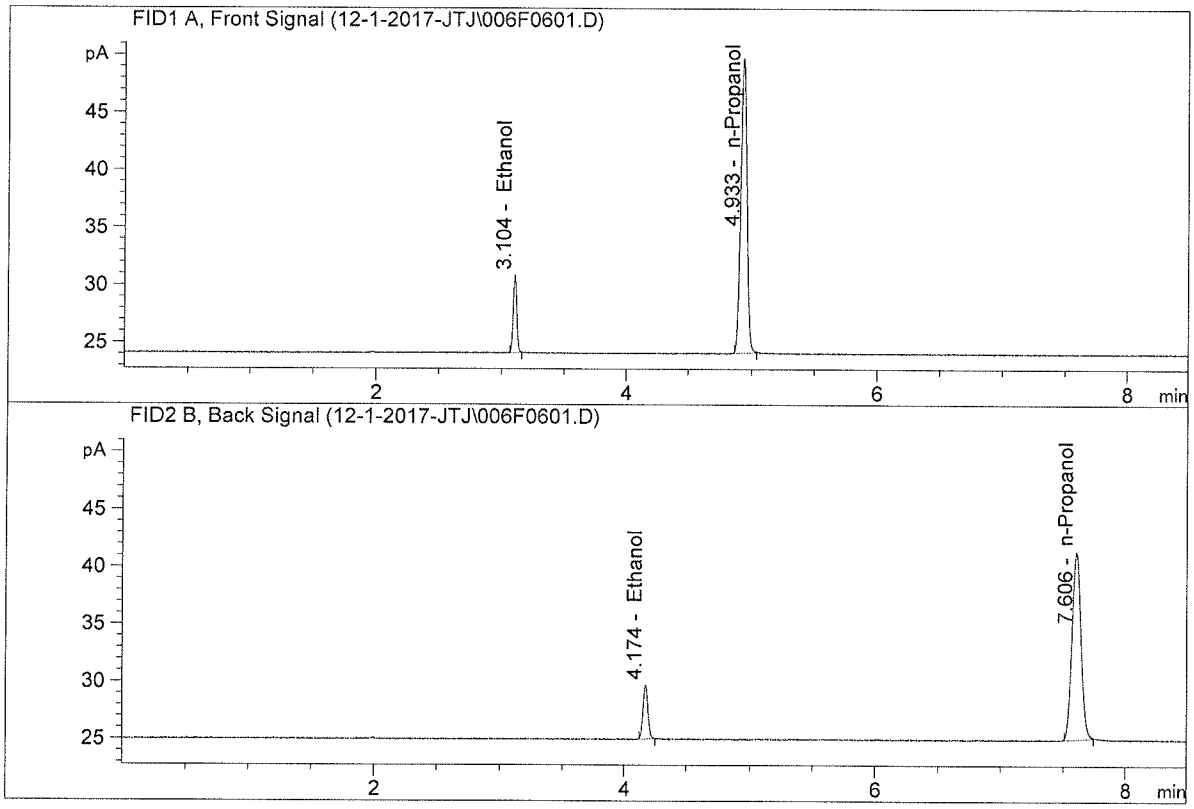
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

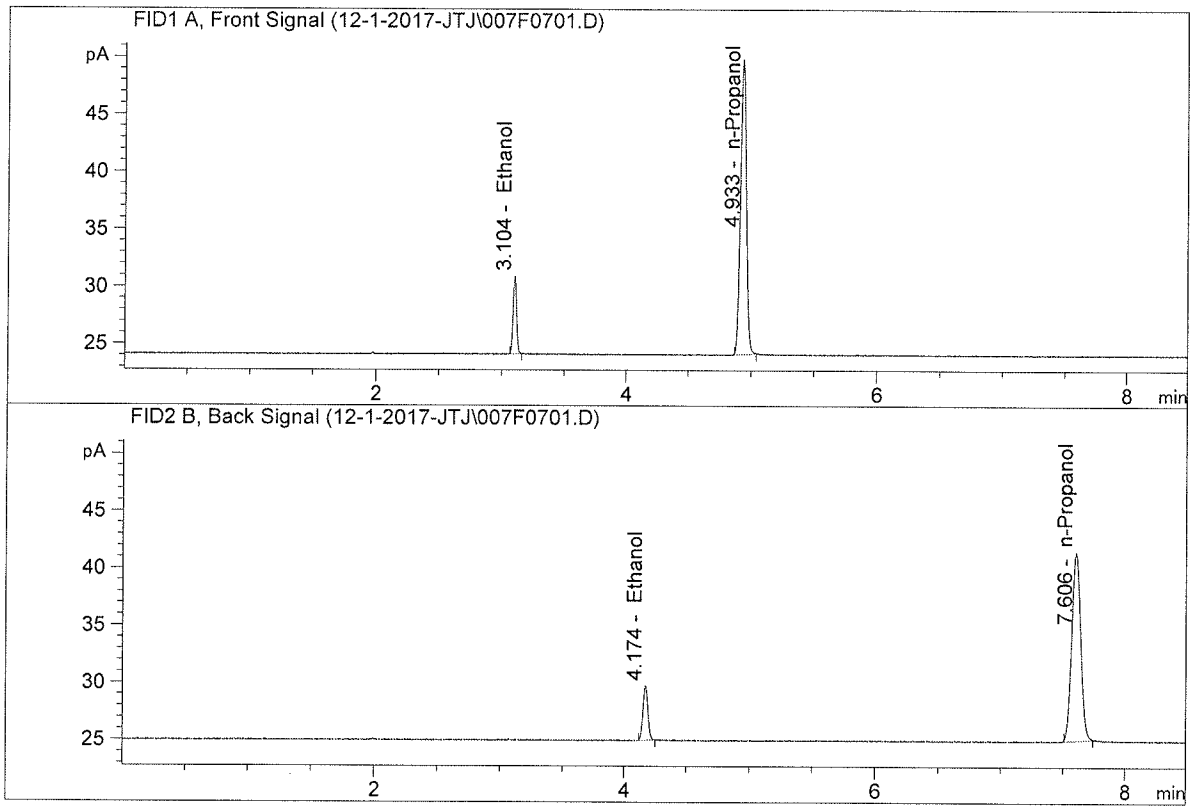
Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.99411	0.0805	g/100cc
2.	Ethanol	Column 2:	12.87544	0.0799	g/100cc
3.	n-Propanol	Column 1:	83.41850	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.15511	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.05416	0.0805	g/100cc
2.	Ethanol	Column 2:	12.94380	0.0800	g/100cc
3.	n-Propanol	Column 1:	83.83182	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.50414	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 01 Dec 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0769	0.0003	0.0770	0.0770	
(g/100cc)	0.0771	0.0769	0.0002	0.0770		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

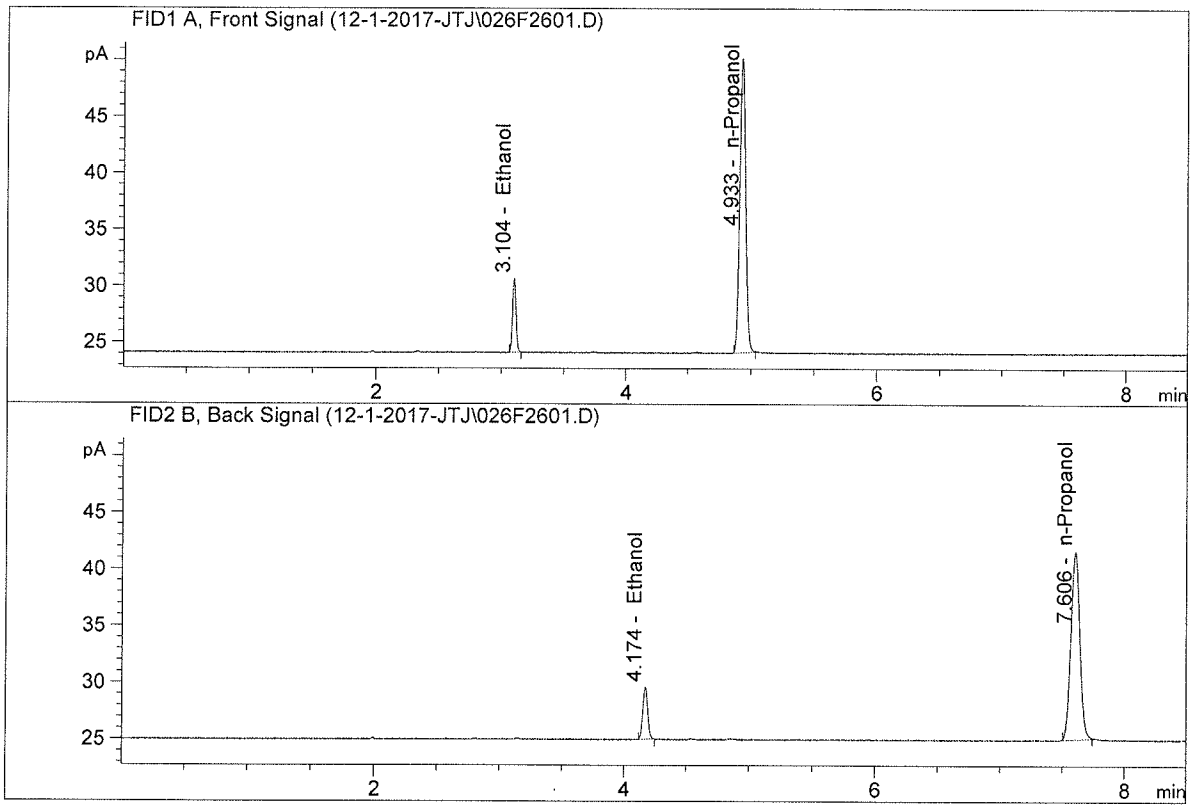
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.64085	0.0772	g/100cc
2.	Ethanol	Column 2:	12.55466	0.0769	g/100cc
3.	n-Propanol	Column 1:	84.62162	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.28133	1.0000	g/100cc

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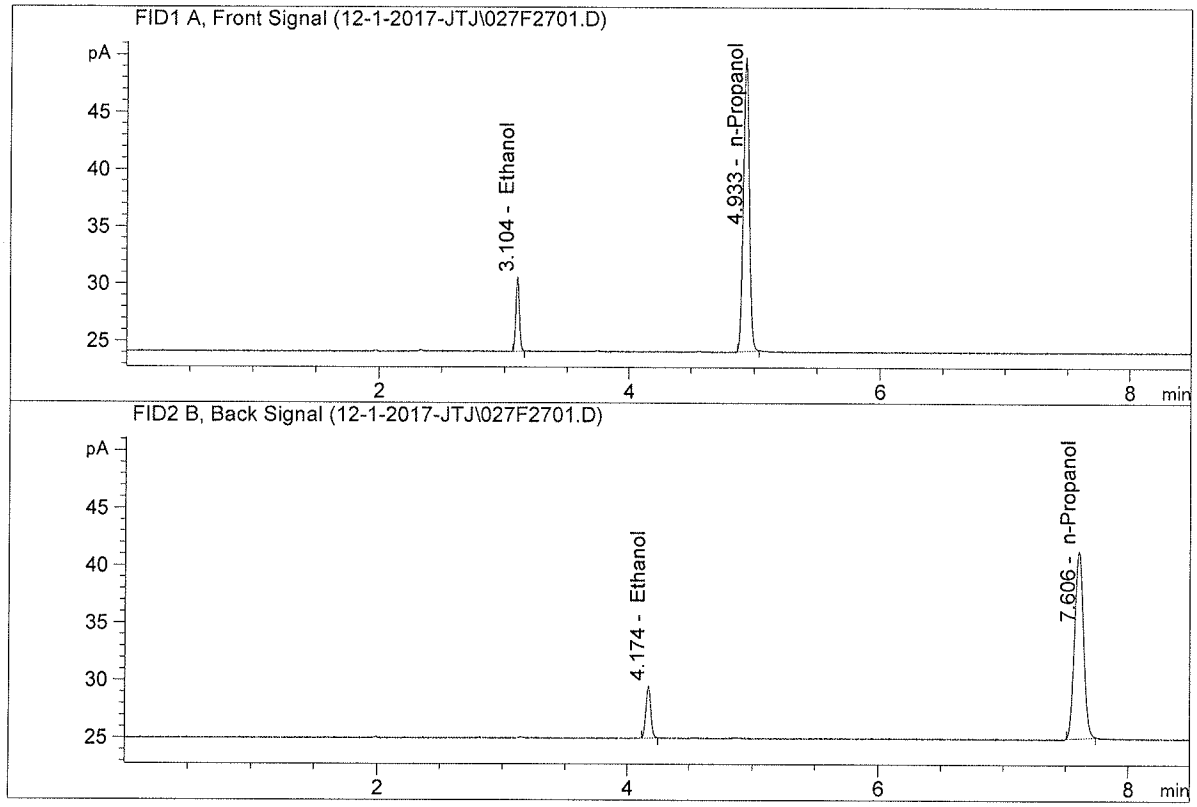
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.44579	0.0771	g/100cc
2.	Ethanol	Column 2:	12.37902	0.0769	g/100cc
3.	n-Propanol	Column 1:	83.50347	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.08897	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 01 Dec 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1998	0.1996	0.0002	0.1997	0.1992	
(g/100cc)	0.1989	0.1985	0.0004	0.1987		

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%**

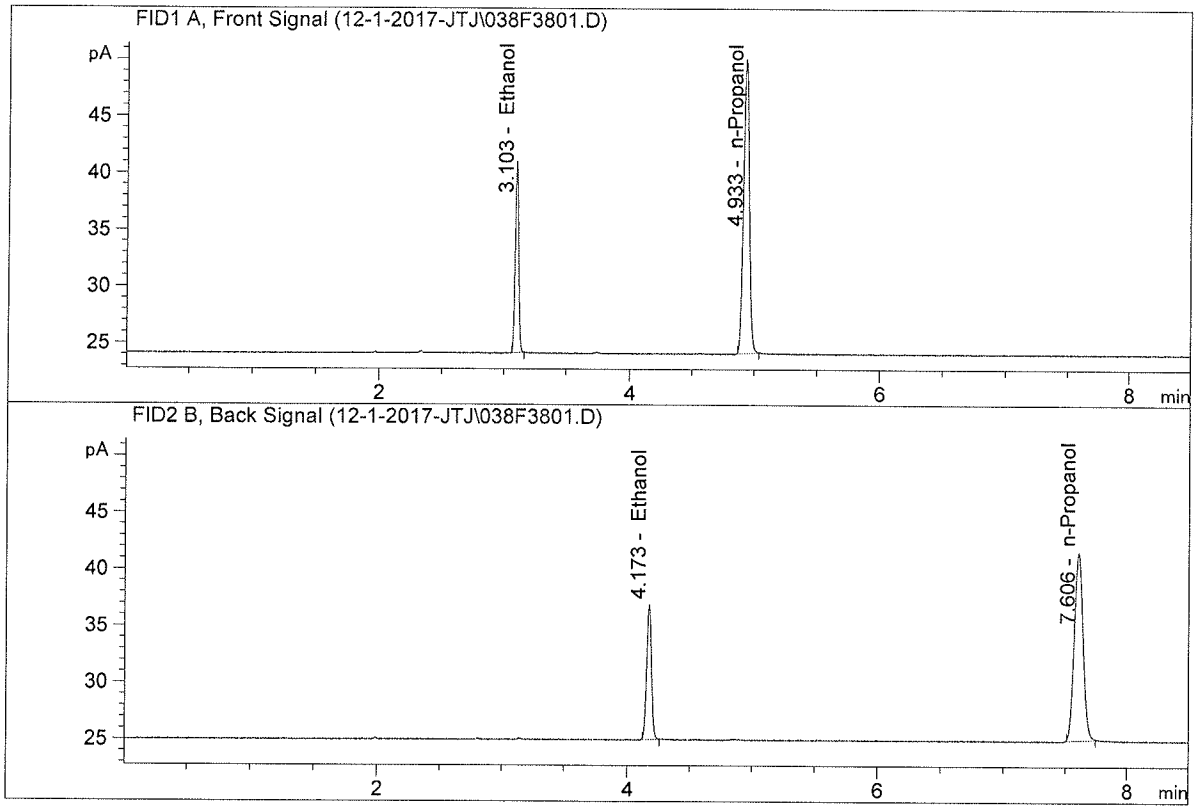
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

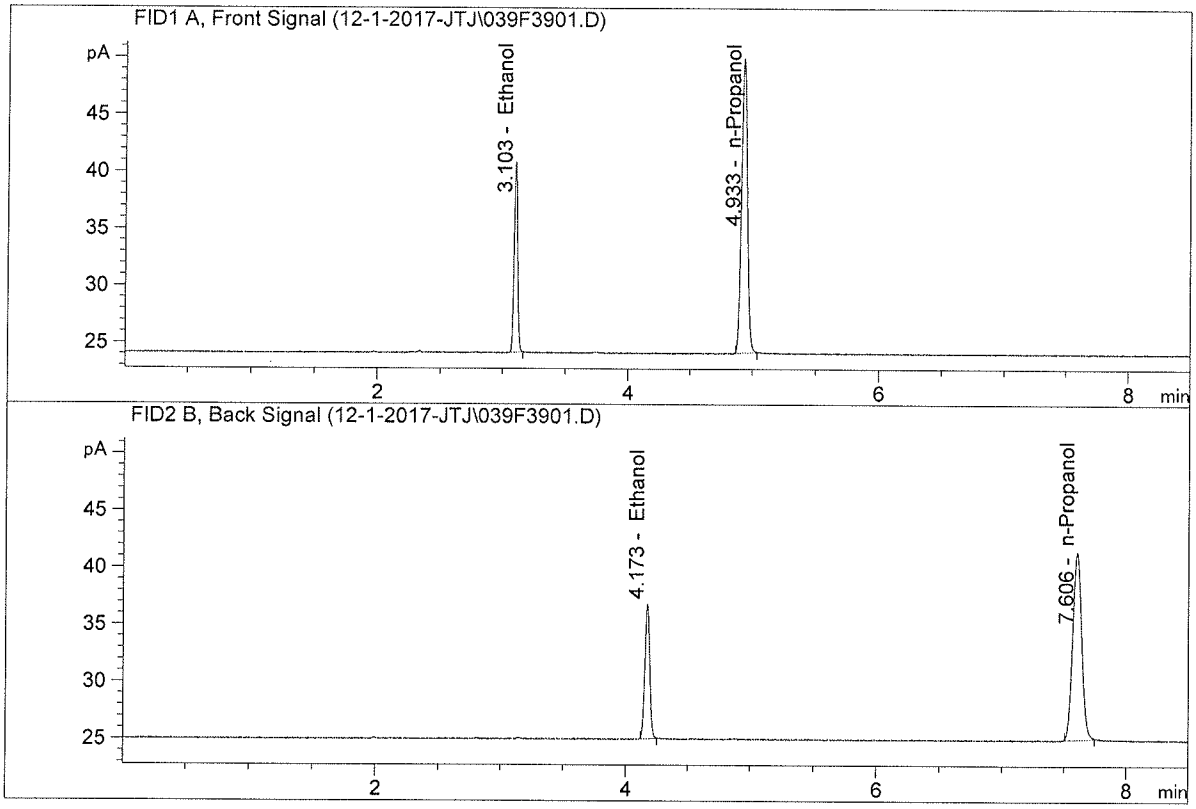
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.68302	0.1998	g/100cc
2.	Ethanol	Column 2:	32.53466	0.1996	g/100cc
3.	n-Propanol	Column 1:	84.58858	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.13680	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

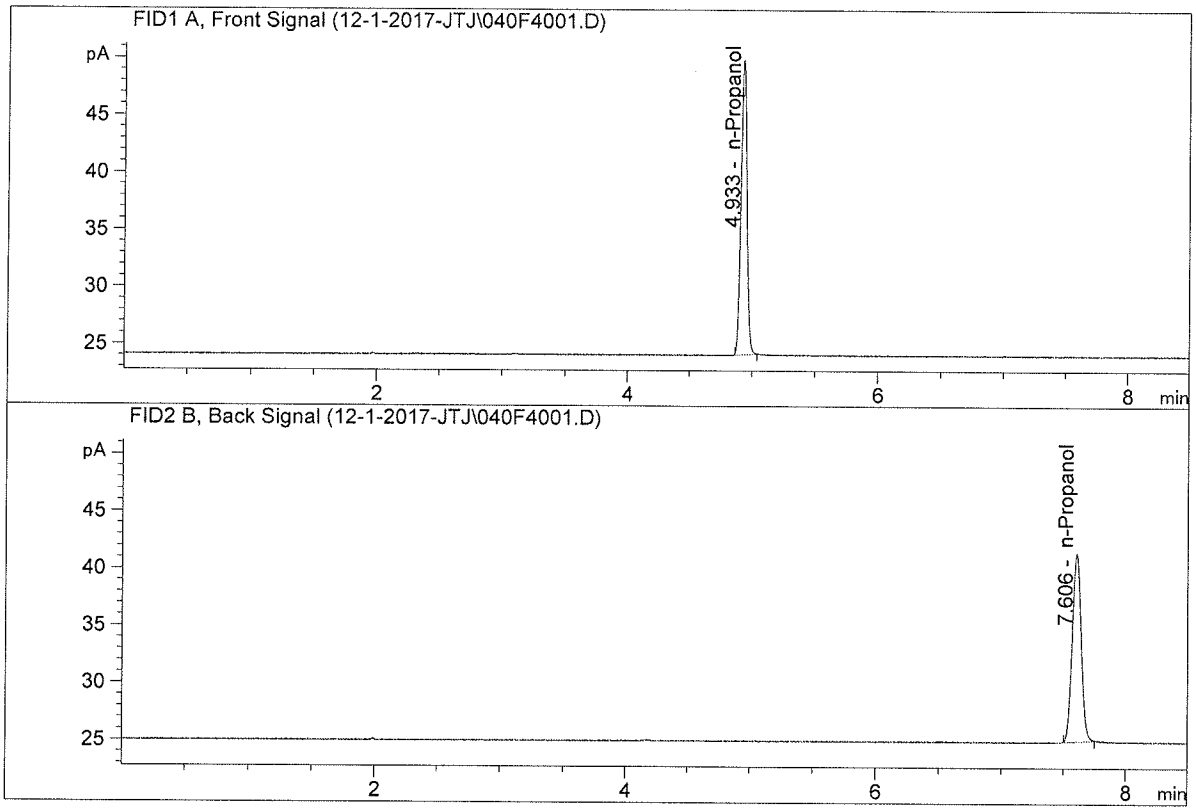
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.32335	0.1989	g/100cc
2.	Ethanol	Column 2:	32.13099	0.1985	g/100cc
3.	n-Propanol	Column 1:	84.03916	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.56769	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

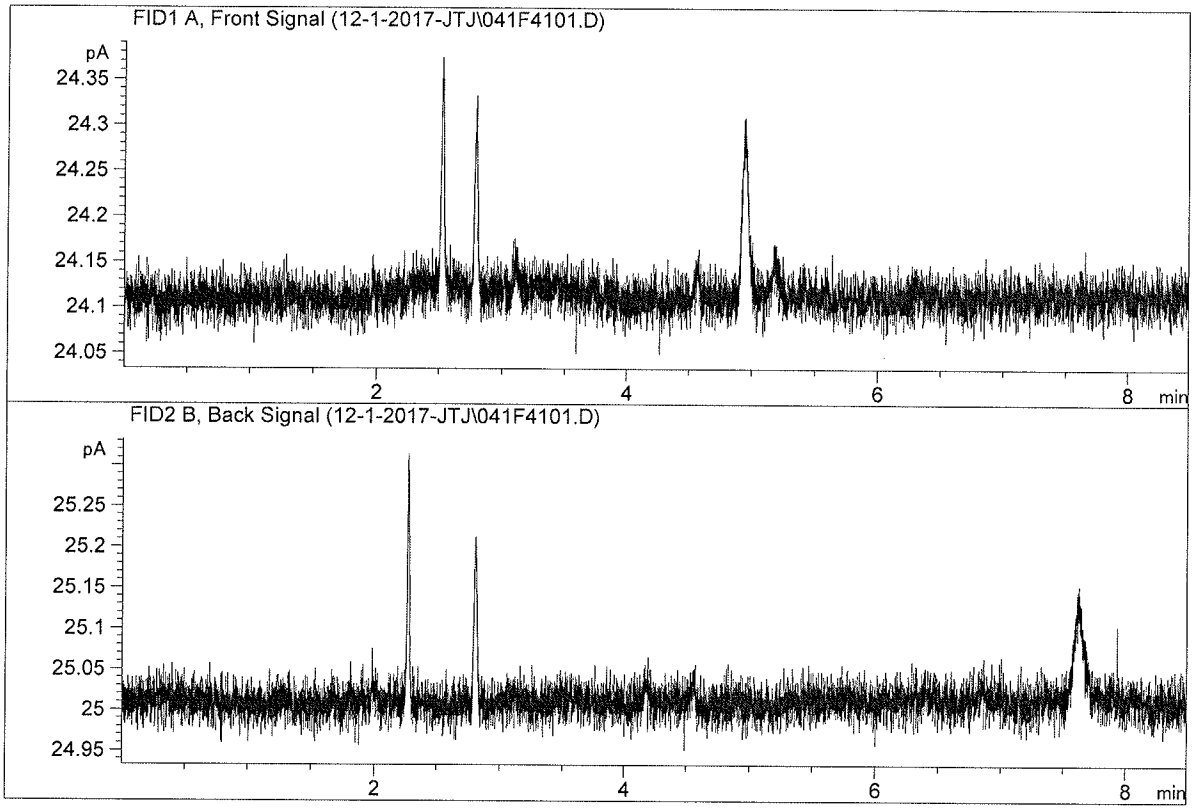
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	84.00399	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.80807	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Dec 1, 2017
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