8/16/2017

Worklist: 1835

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-1468	1	90706	Alcohol Analysis
C2017-1479	1	90759	Alcohol Analysis
C2017-1480	1	90760	Alcohol Analysis
C2017-1481	1	90810	Alcohol Analysis
C2017-1487	1	90863	Alcohol Analysis
C2017-1505	1	90992	Alcohol Analysis
C2017-1520	1	91172	Alcohol Analysis
C2017-1529	1	91255	Alcohol Analysis
C2017-1531	1	91261	Alcohol Analysis
C2017-1554	1	91529	Alcohol Analysis
C2017-1555	1	91530	Alcohol Analysis
C2017-1556	1	91536	Alcohol Analysis
C2017-1603	1	91992	Alcohol Analysis
C2017-1628	1	92510	Alcohol Analysis
C2017-1633	1	92517	Alcohol Analysis
C2017-1636	1	92523	Alcohol Analysis
C2017-1638	1	92525	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):8/15/2017**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0764 g/100cc
					0.0778 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1939 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	0.0497	0.0489	0.0008	0.0493
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.1001	0.0992	0.0009	0.0996
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.2000	0.1989	0.0011	0.1994
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2996	0.2987	0.0009	0.2991
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5003	0.5015	0.0012	0.5009

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_15.08.2017_03.03.35\8-15-2017.S
Data directory path: C:\Chem32\1\Data\8-15-2017-JTJ
Logbook: C:\Chem32\1\Data\8-15-2017-JTJ\8-15-2017.LOG
Sequence start: 8/15/2017 3:17:27 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	C2017-1468-1-A	-	1.0000	008F0801.D		4
9	9	1	C2017-1468-1-B	-	1.0000	009F0901.D		4
10	10	1	C2017-1479-1-A	-	1.0000	010F1001.D		4
11	11	1	C2017-1479-1-B	-	1.0000	011F1101.D		4
12	12	1	C2017-1480-1-A	-	1.0000	012F1201.D		4
13	13	1	C2017-1480-1-B	-	1.0000	013F1301.D		4
14	14	1	C2017-1481-1-A	-	1.0000	014F1401.D		4
15	15	1	C2017-1481-1-B	-	1.0000	015F1501.D		4
16	16	1	C2017-1487-1-A	-	1.0000	016F1601.D		4
17	17	1	C2017-1487-1-B	-	1.0000	017F1701.D		4
18	18	1	C2017-1505-1-A	-	1.0000	018F1801.D		2
19	19	1	C2017-1505-1-B	-	1.0000	019F1901.D		2
20	20	1	C2017-1520-1-A	-	1.0000	020F2001.D		4
21	21	1	C2017-1520-1-B	-	1.0000	021F2101.D		4
22	22	1	C2017-1529-1-A	-	1.0000	022F2201.D		4
23	23	1	C2017-1529-1-B	-	1.0000	023F2301.D		4
24	24	1	C2017-1531-1-A	-	1.0000	024F2401.D		4
25	25	1	C2017-1531-1-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	C2017-1554-1-A	-	1.0000	028F2801.D		4
29	29	1	C2017-1554-1-B	-	1.0000	029F2901.D		4
30	30	1	C2017-1555-1-A	-	1.0000	030F3001.D		2
31	31	1	C2017-1555-1-B	-	1.0000	031F3101.D		2
32	32	1	C2017-1556-1-A	-	1.0000	032F3201.D		4
33	33	1	C2017-1556-1-B	-	1.0000	033F3301.D		4
34	34	1	C2017-1603-1-A	-	1.0000	034F3401.D		2
35	35	1	C2017-1603-1-B	-	1.0000	035F3501.D		2
36	36	1	C2017-1628-1-A	-	1.0000	036F3601.D		4
37	37	1	C2017-1628-1-B	-	1.0000	037F3701.D		4
38	38	1	C2017-1633-1-A	-	1.0000	038F3801.D		4
39	39	1	C2017-1633-1-B	-	1.0000	039F3901.D		4
40	40	1	C2017-1636-1-A	-	1.0000	040F4001.D		4
41	41	1	C2017-1636-1-B	-	1.0000	041F4101.D		4
42	42	1	C2017-1638-1-A	-	1.0000	042F4201.D		4
43	43	1	C2017-1638-1-B	-	1.0000	043F4301.D		4
44	44	1	QC-1-A	-	1.0000	044F4401.D		4
45	45	1	QC-1-B	-	1.0000	045F4501.D		4
46	46	1	ISTD BLANK	-	1.0000	046F4601.D		2

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_15.08.2017_03.03.35\8-15-2017.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	water	-	1.0000	047F4701.D		0

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, August 15, 2017 2:10:23 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

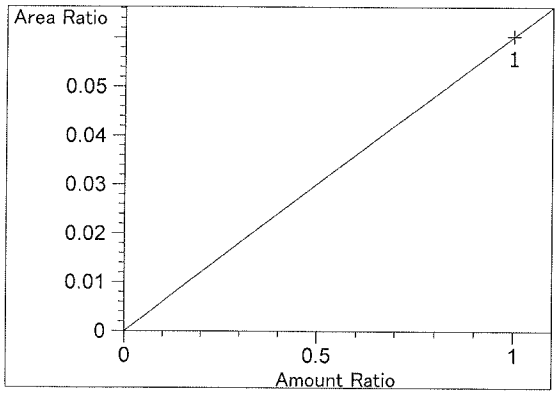
Overview Table

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	7.99729	6.25211e-3	No	No	1	Ethanol
		2	1.00000e-1	16.60269	6.02312e-3				
		3	2.00000e-1	33.43578	5.98162e-3				
		4	3.00000e-1	50.44392	5.94720e-3				
		5	5.00000e-1	83.55392	5.98416e-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
4.171	2	1	5.00000e-2	7.91392	6.31798e-3	No	No	2	Ethanol
		2	1.00000e-1	16.50175	6.05996e-3				
		3	2.00000e-1	33.23151	6.01838e-3				
		4	3.00000e-1	50.10523	5.98740e-3				
		5	5.00000e-1	83.12965	6.01470e-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	83.59604	1.19623e-2	No	Yes	1	n-Propanol
		2	1.00000	86.19714	1.16013e-2				
		3	1.00000	86.87195	1.15112e-2				
		4	1.00000	87.49009	1.14299e-2				
		5	1.00000	86.77995	1.15234e-2				
7.604	2	1	1.00000	82.95087	1.20553e-2	No	Yes	2	n-Propanol
		2	1.00000	85.31829	1.17208e-2				
		3	1.00000	85.68697	1.16704e-2				
		4	1.00000	86.01808	1.16255e-2				
		5	1.00000	84.98611	1.17666e-2				

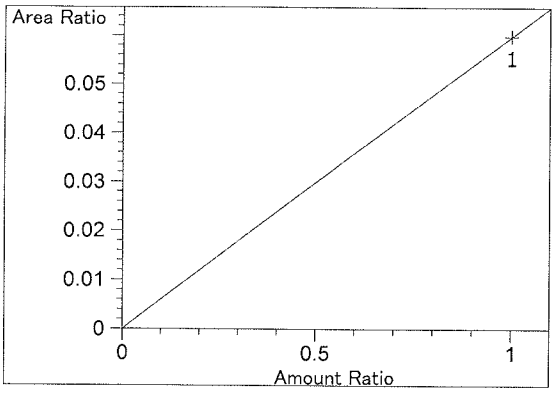
Peak Sum Table

No Entries in table

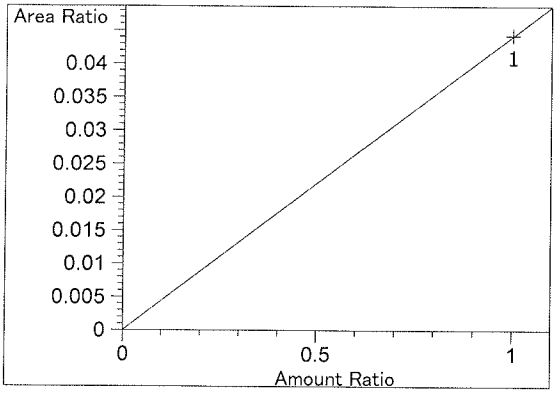
Calibration Curves



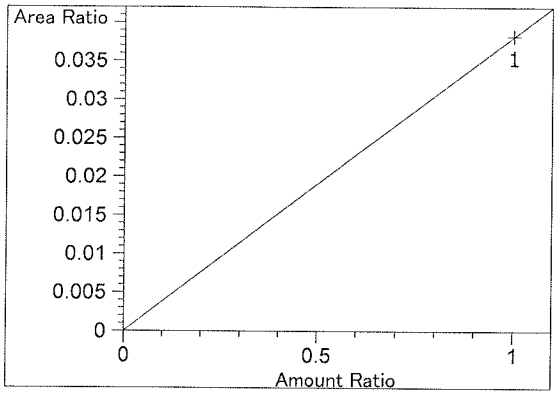
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.02766e-2
x: Amount Ratio
y: Area Ratio



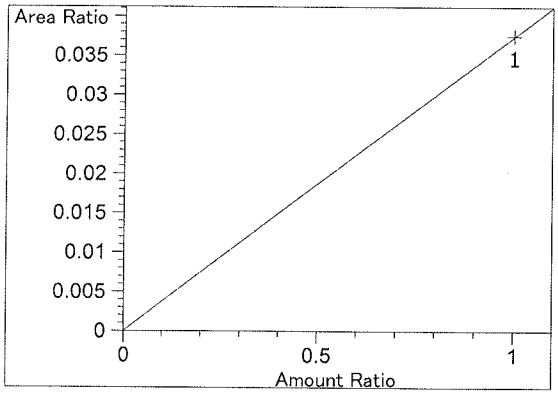
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.98114e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.42209e-2
x: Amount Ratio
y: Area Ratio

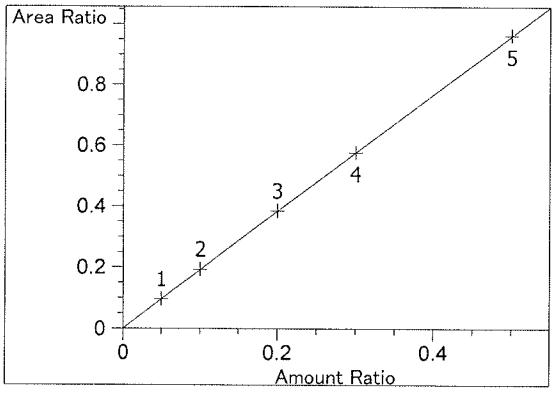


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.81969e-2
x: Amount Ratio
y: Area Ratio

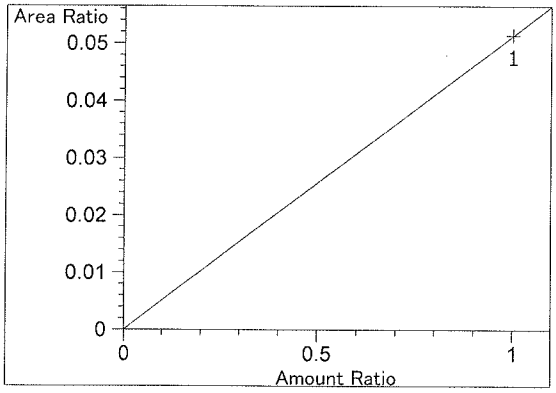


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.74408e-2
x: Amount Ratio
y: Area Ratio

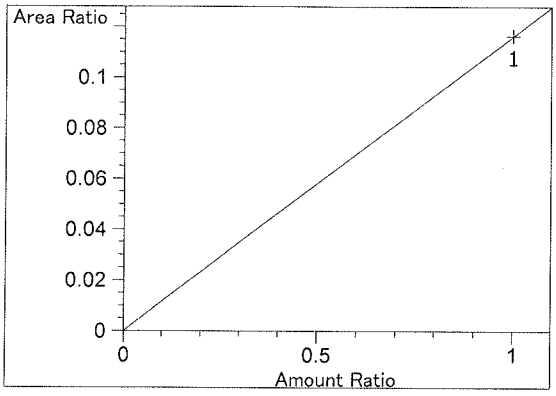
99



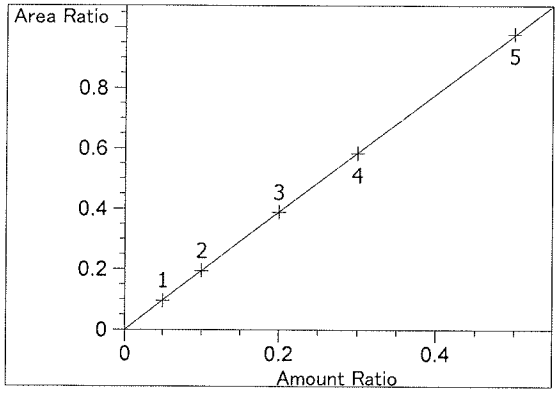
Ethanol at exp. RT: 3.102
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00057
Formula: y = mx
m: 1.92460
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.13632e-2
x: Amount Ratio
y: Area Ratio

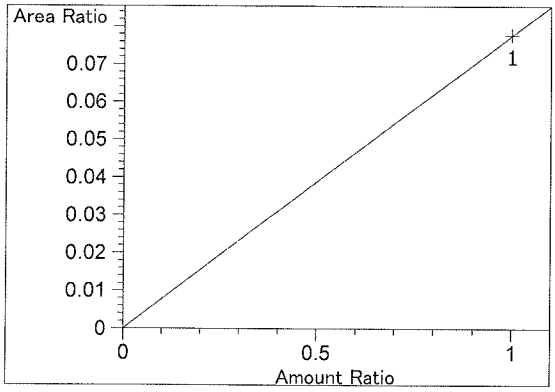


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.16400e-1
x: Amount Ratio
y: Area Ratio

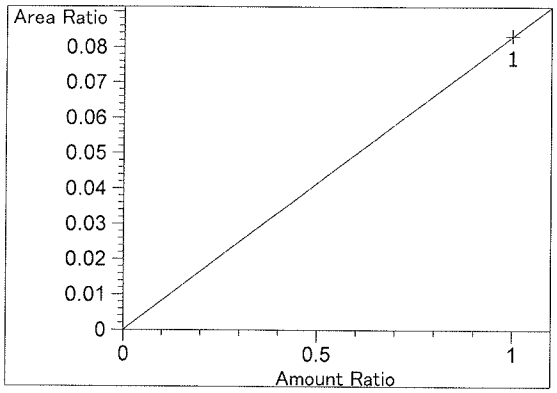


Ethanol at exp. RT: 4.171
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00264
Formula: y = mx
m: 1.95033
x: Amount Ratio
y: Area Ratio

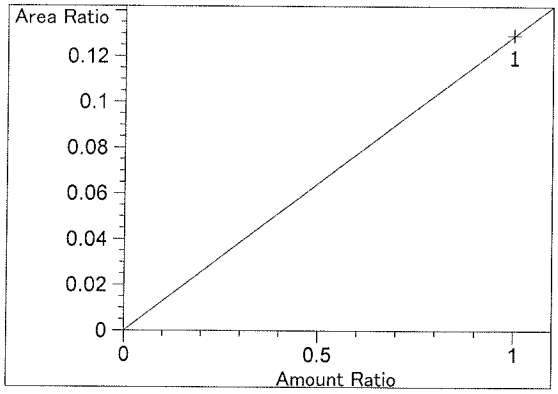
99



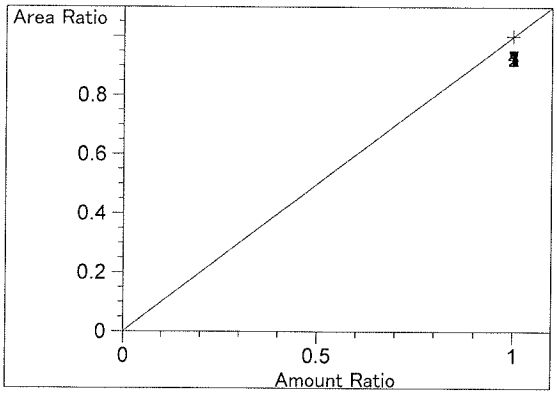
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.77477e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.30975e-2
x: Amount Ratio
y: Area Ratio

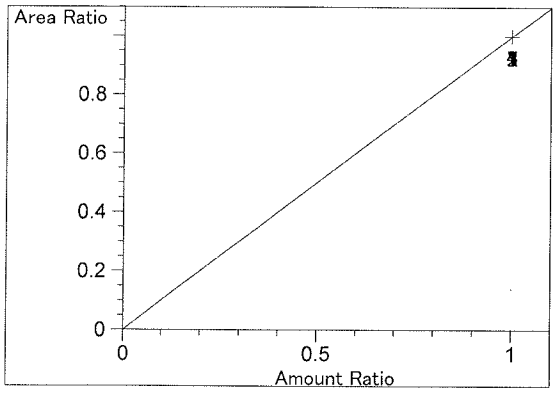


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.29069e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.932
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

99



n-Propanol at exp. RT: 7.604
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

Sample Summary

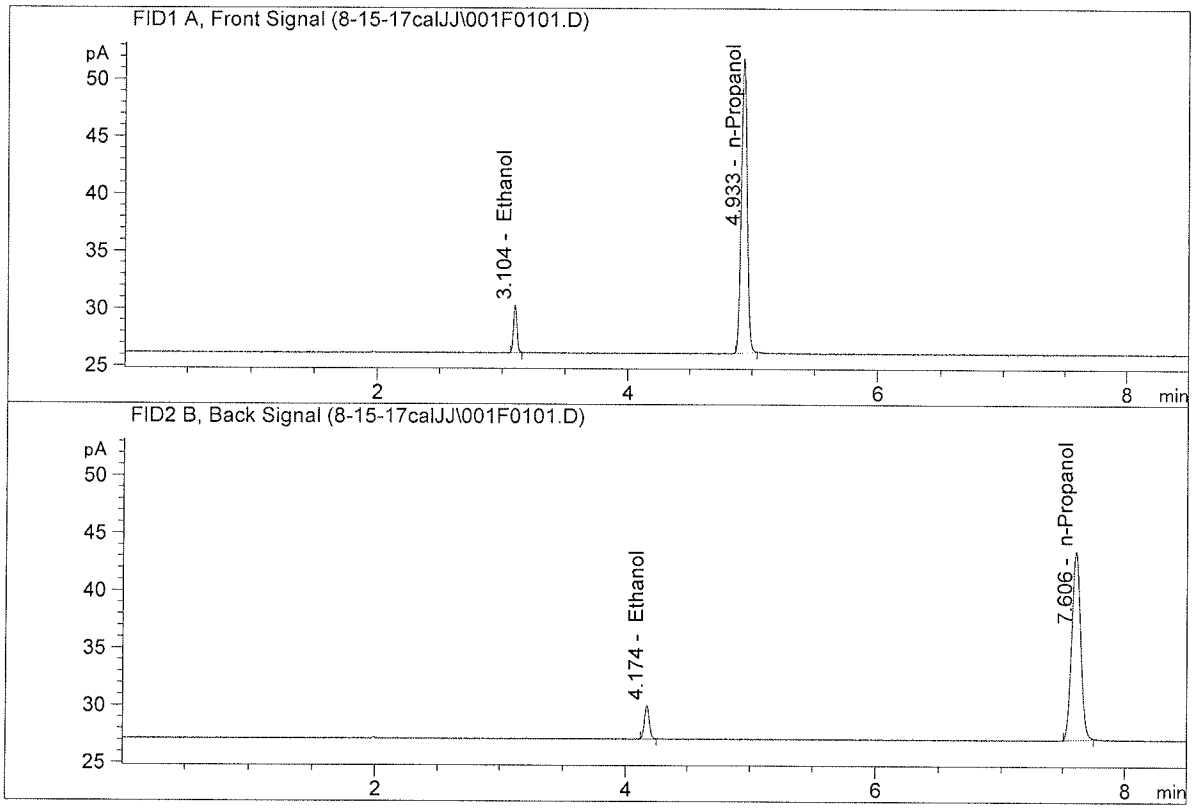
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_15.08.2017_12.51.39\8-15-17cal.S
Data directory path: C:\Chem32\1\Data\8-15-17calJJ
Logbook: C:\Chem32\1\Data\8-15-17calJJ\8-15-17cal.LOG
Sequence start: 8/15/2017 1:05:24 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

ISP Forensic Services Blood Alcohol Report

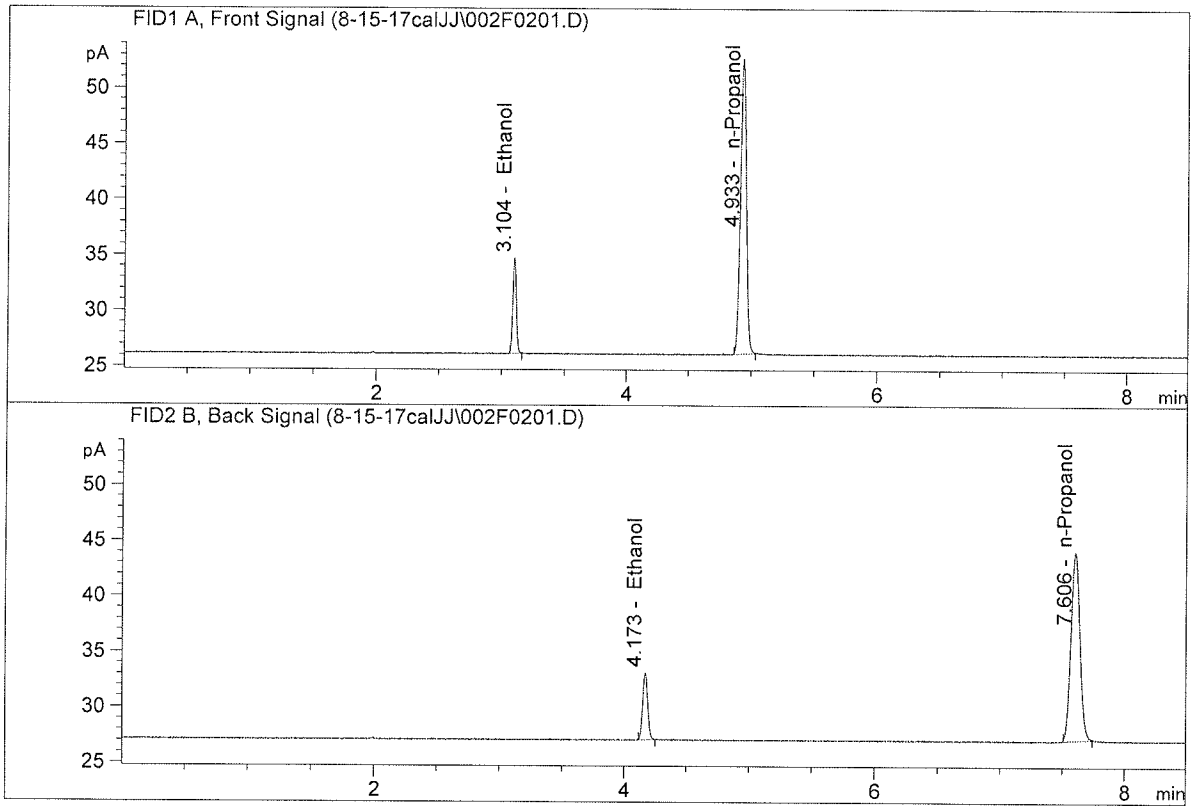
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.99729	0.0497	g/100cc
2.	Ethanol	Column 2:	7.91392	0.0489	g/100cc
3.	n-Propanol	Column 1:	83.59604	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.95087	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

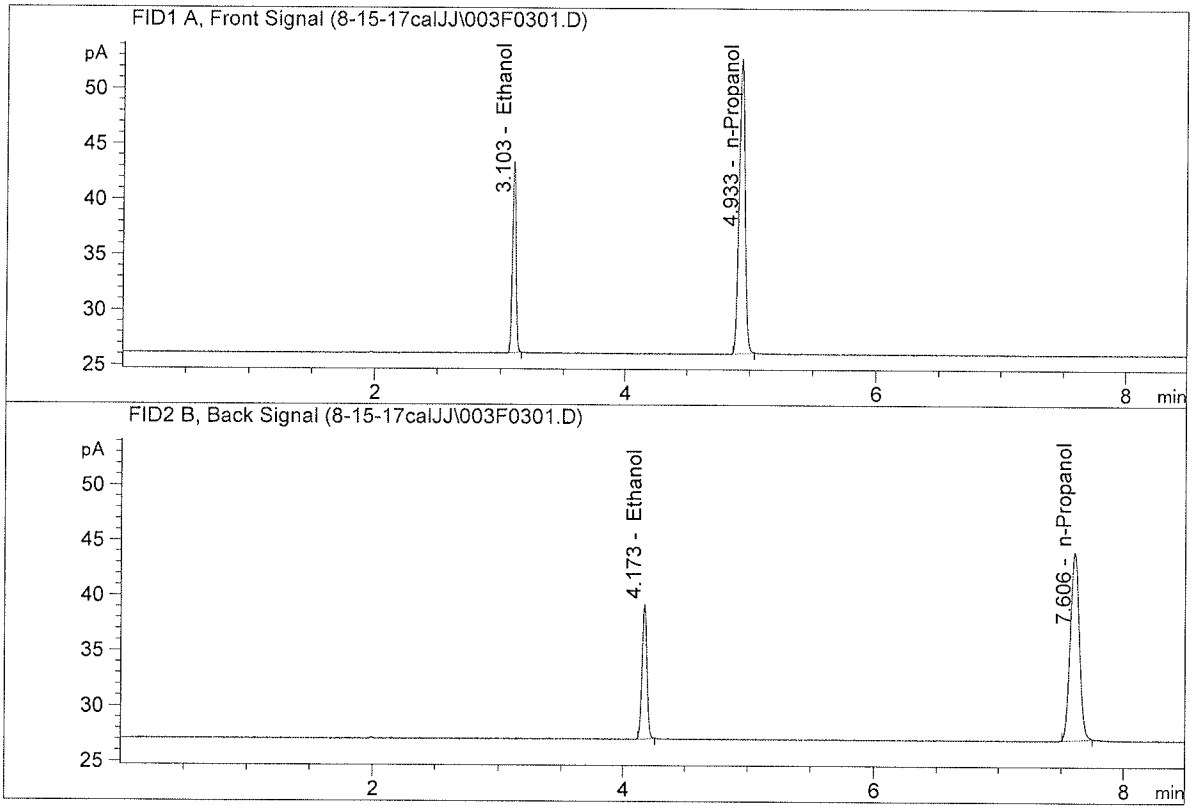


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.60269	0.1001	g/100cc
2.	Ethanol	Column 2:	16.50175	0.0992	g/100cc
3.	n-Propanol	Column 1:	86.19714	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.31829	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

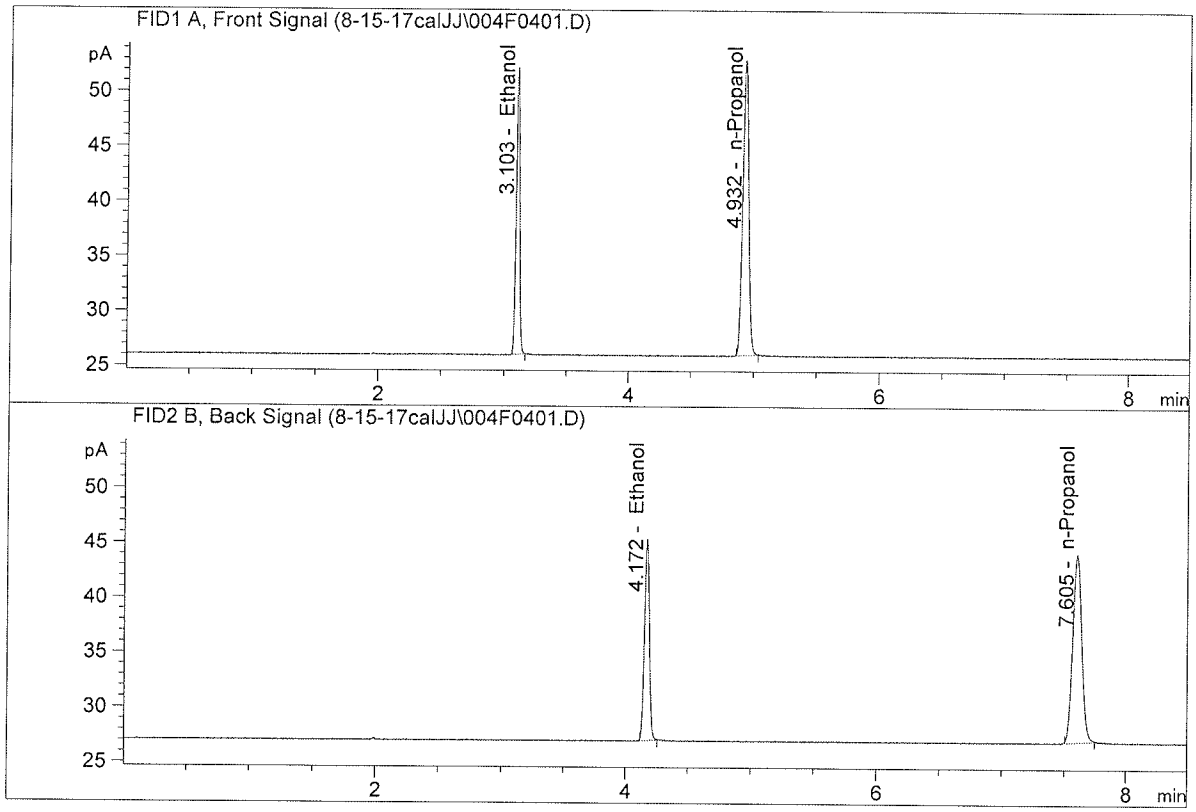


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.43578	0.2000	g/100cc
2.	Ethanol	Column 2:	33.23151	0.1989	g/100cc
3.	n-Propanol	Column 1:	86.87195	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.68697	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

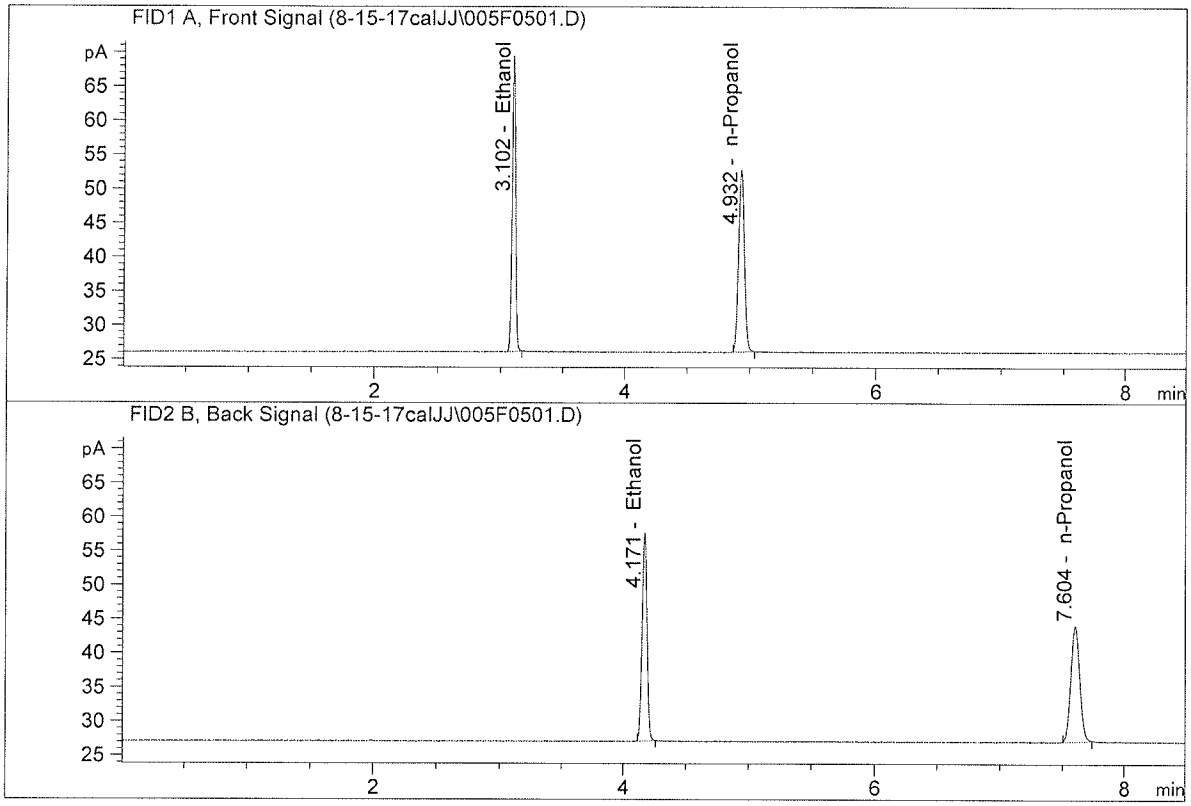
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	50.44392	0.2996	g/100cc
2.	Ethanol	Column 2:	50.10523	0.2987	g/100cc
3.	n-Propanol	Column 1:	87.49009	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.01808	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	83.55392	0.5003	g/100cc
2.	Ethanol	Column 2:	83.12965	0.5015	g/100cc
3.	n-Propanol	Column 1:	86.77995	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.98611	1.0000	g/100cc

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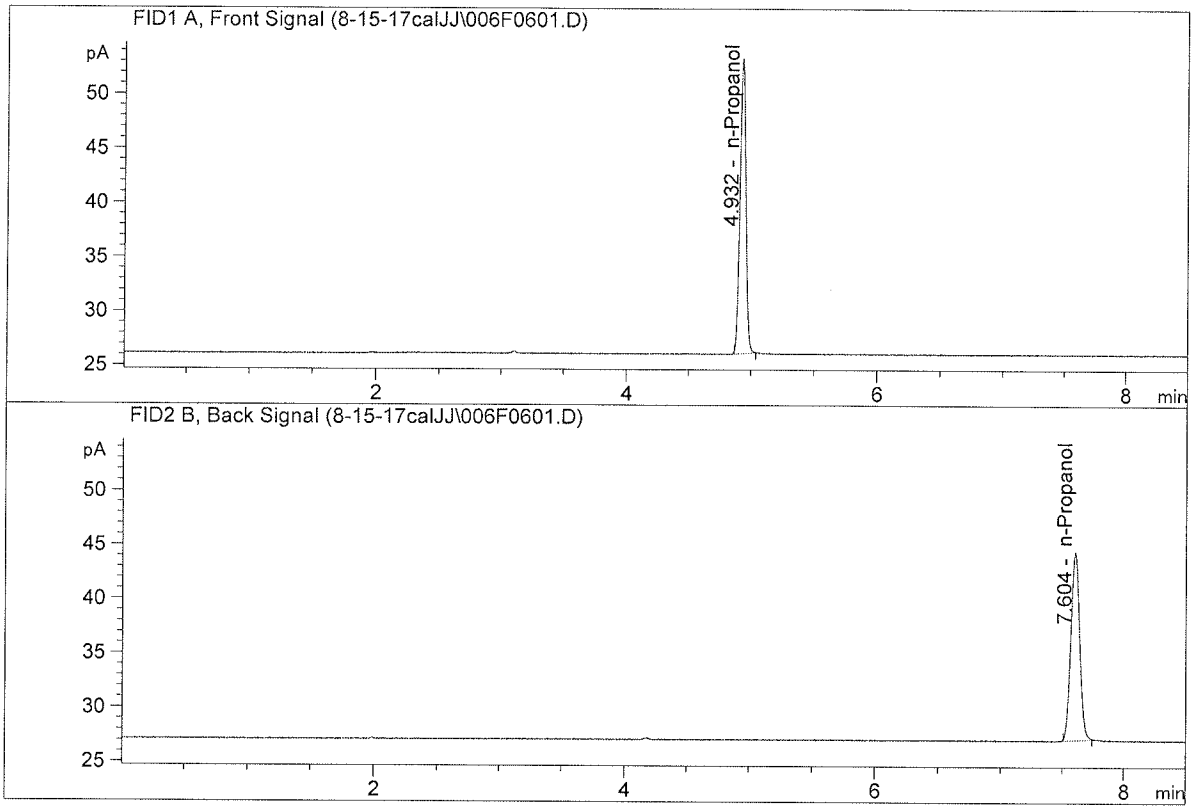
ISP Forensic Services Blood Alcohol Report

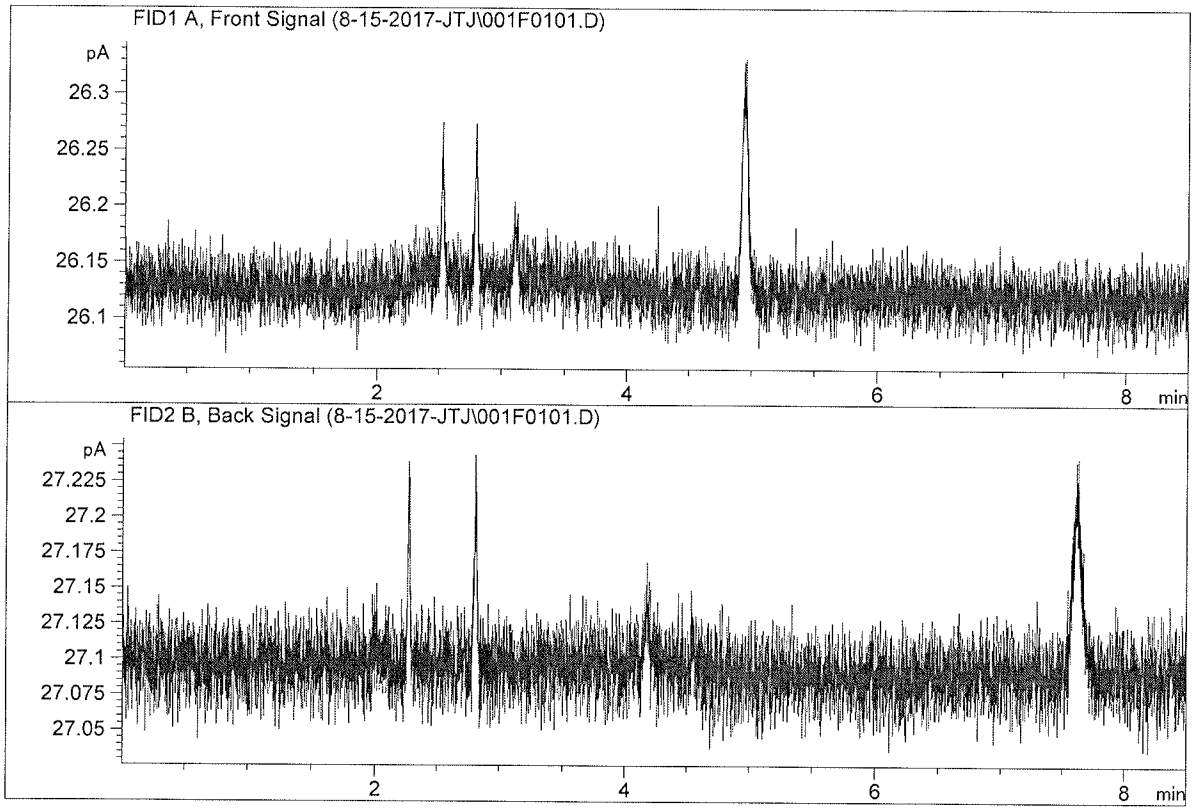
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	88.43048	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.19741	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 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

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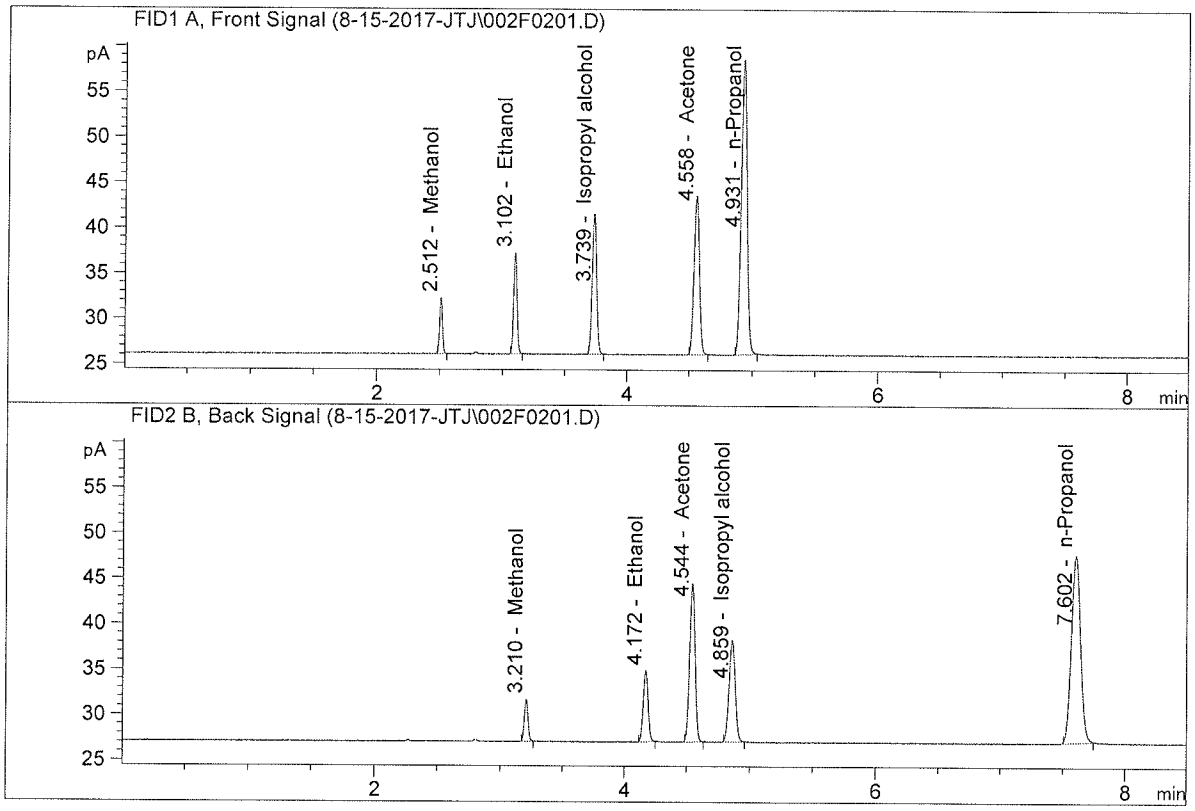
ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.59707	0.1062	g/100cc
2.	Ethanol	Column 2:	21.45468	0.1057	g/100cc
3.	n-Propanol	Column 1:	105.62815	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.05463	1.0000	g/100cc

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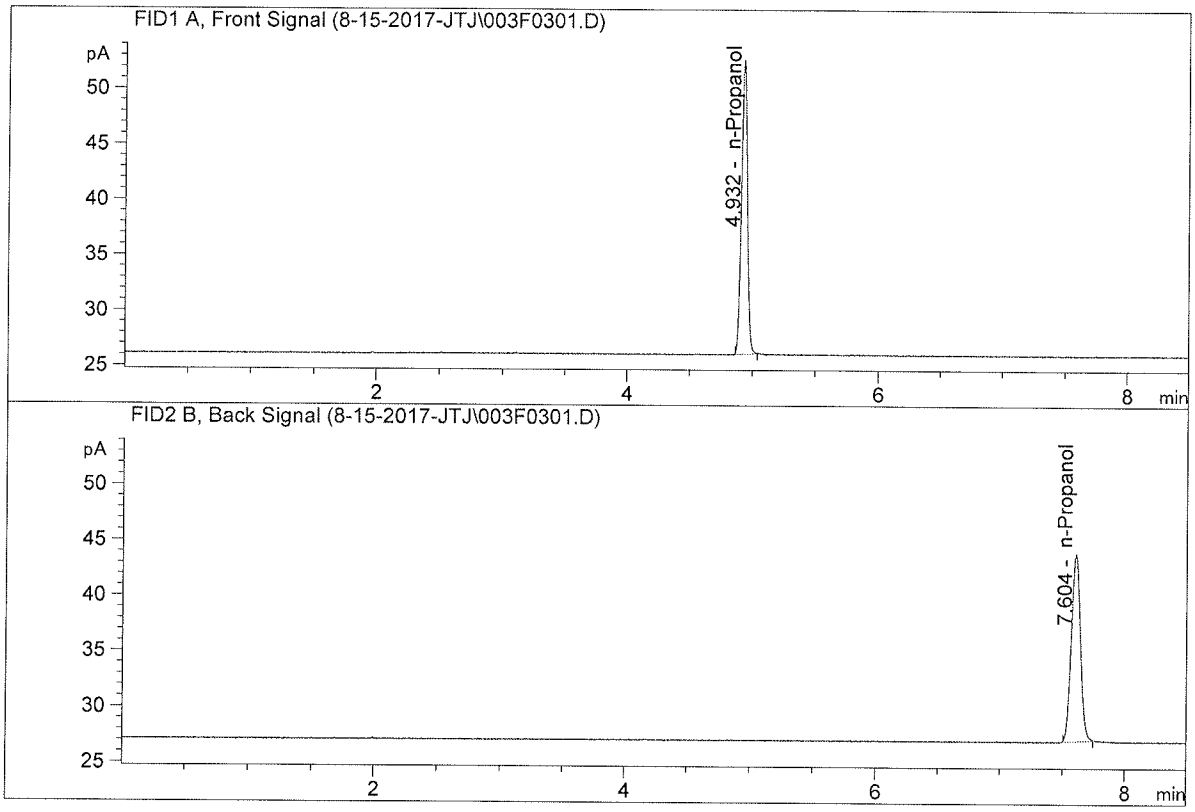
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 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:	86.38871	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.14548	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 15 Aug 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0768	0.0762	0.0006	0.0765	0.0764	
(g/100cc)	0.0769	0.0760	0.0009	0.0764		

Analysis Method

Refer to Volatiles Analytical Method 1.0

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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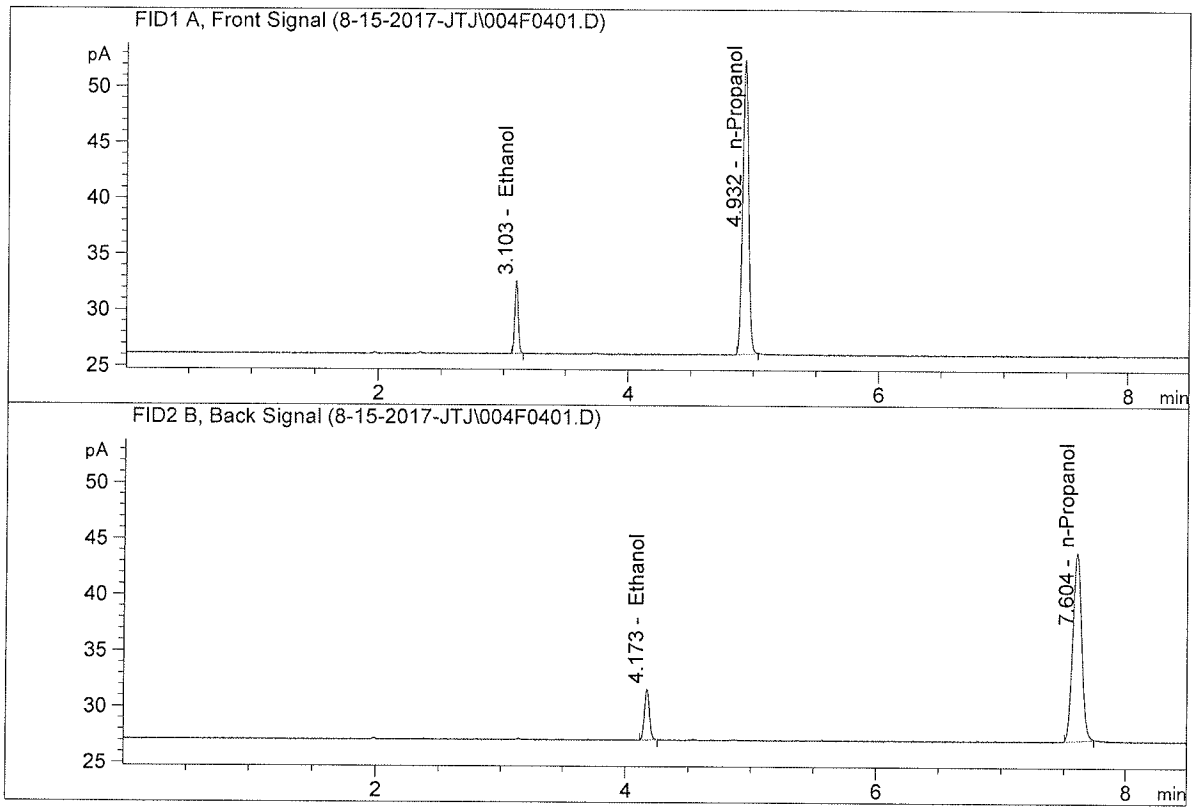
ISP Forensic Services Blood Alcohol Report

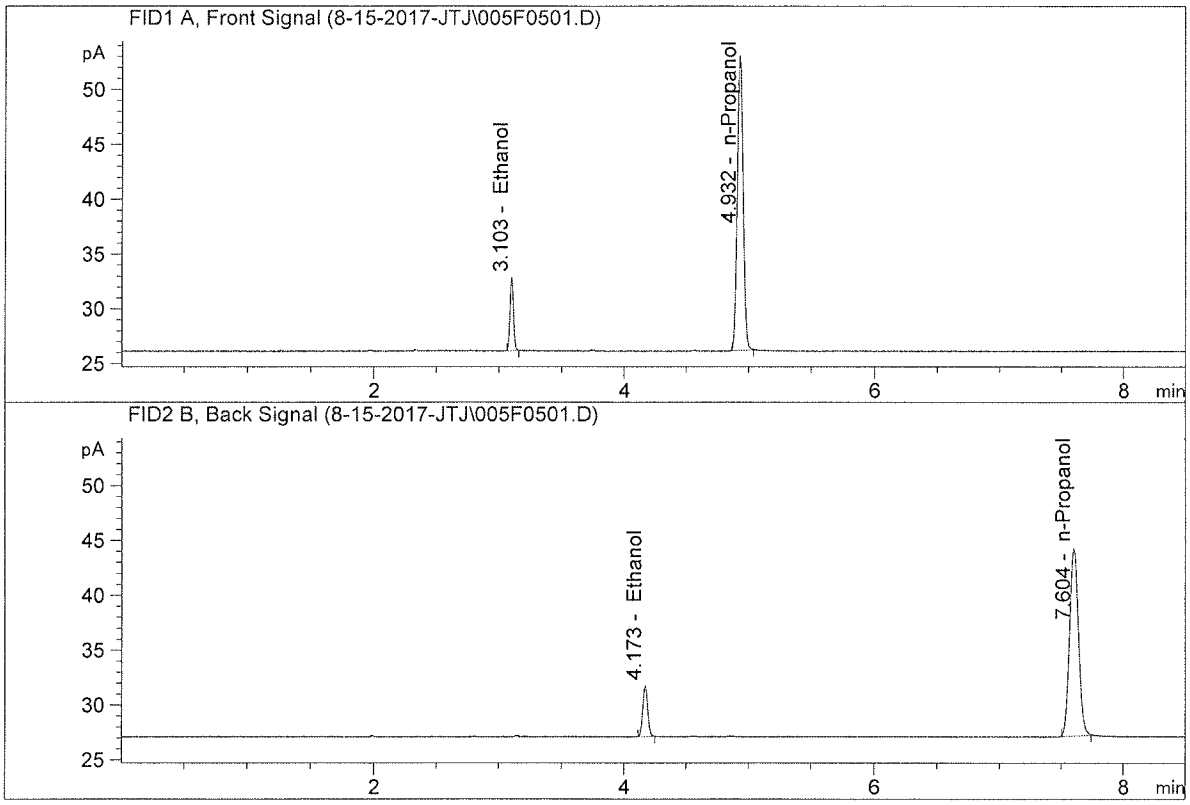
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.66389	0.0768	g/100cc
2.	Ethanol	Column 2:	12.53145	0.0762	g/100cc
3.	n-Propanol	Column 1:	85.67231	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.35175	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.95993	0.0769	g/100cc
2.	Ethanol	Column 2:	12.75197	0.0760	g/100cc
3.	n-Propanol	Column 1:	87.55156	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.05698	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 15 Aug 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0802	0.0798	0.0004	0.0800	0.0799	
(g/100cc)	0.0804	0.0795	0.0009	0.0799		

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

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

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

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

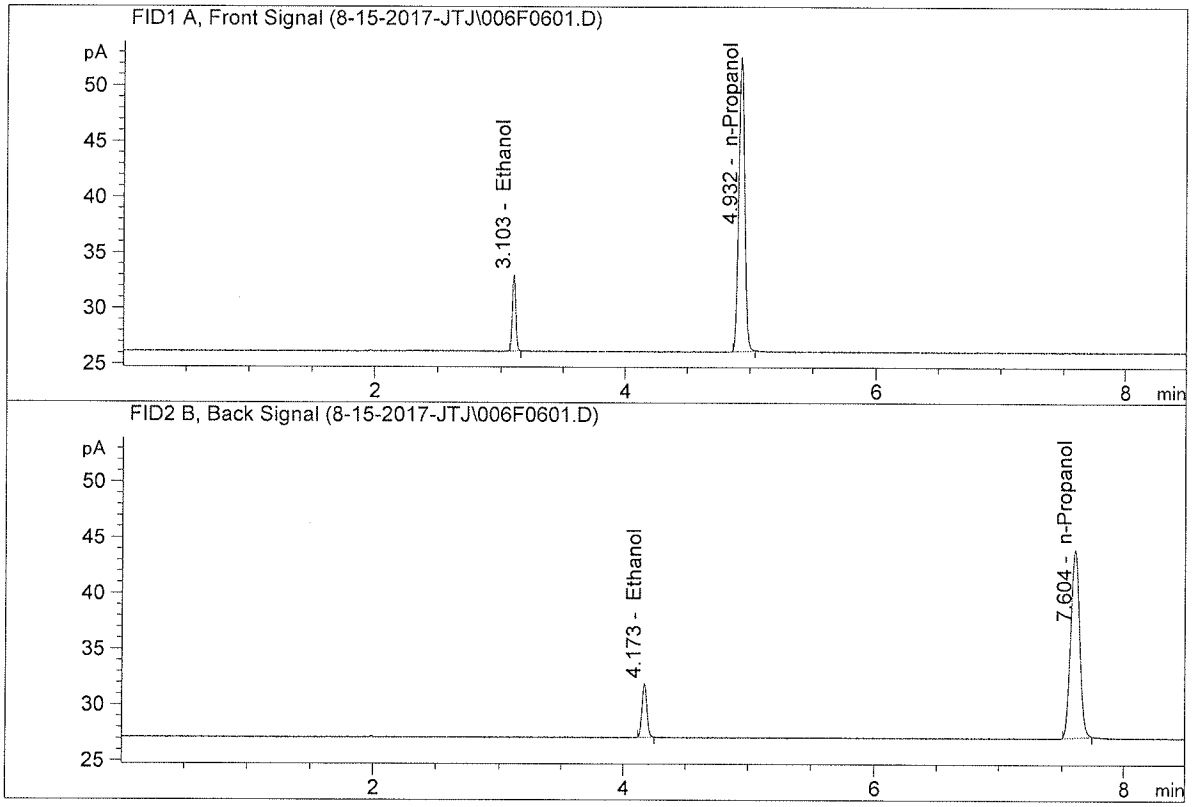
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.28936	0.0802	g/100cc
2.	Ethanol	Column 2:	13.17320	0.0798	g/100cc
3.	n-Propanol	Column 1:	86.11097	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.66744	1.0000	g/100cc

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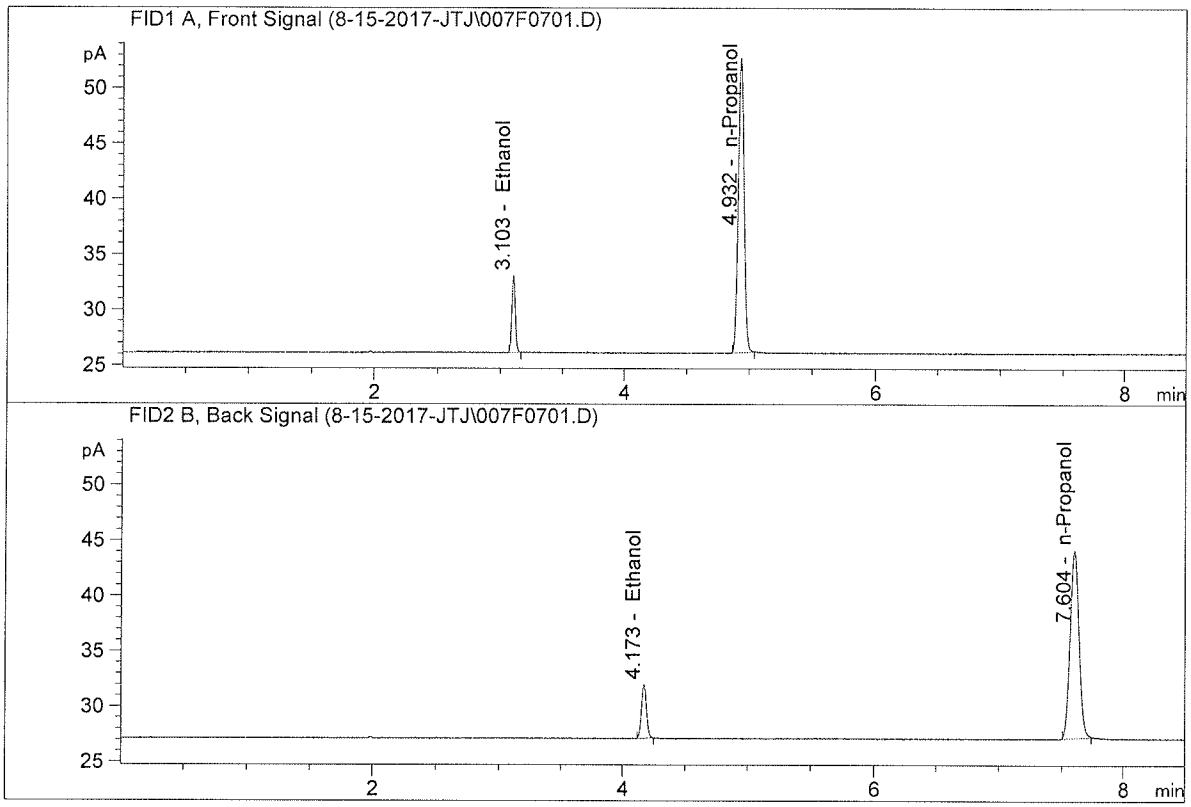
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.41359	0.0804	g/100cc
2.	Ethanol	Column 2:	13.22463	0.0795	g/100cc
3.	n-Propanol	Column 1:	86.71228	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.24587	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 15 Aug 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1937	0.1928	0.0009	0.1932	0.1939	
(g/100cc)	0.1948	0.1943	0.0005	0.1945		

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

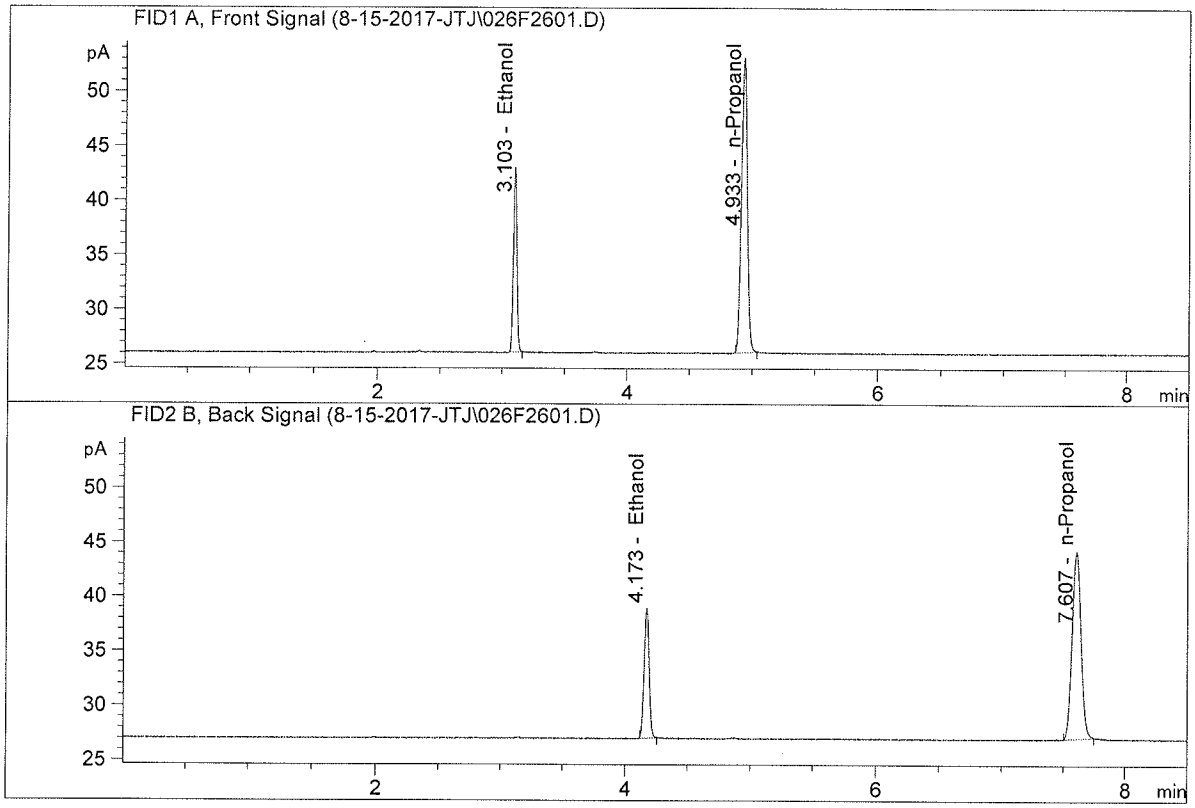
Overall Mean (g/100cc)	Low	High	5% of Mean
0.193	0.183	0.203	0.010

	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 : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.82302	0.1937	g/100cc
2.	Ethanol	Column 2:	32.56472	0.1928	g/100cc
3.	n-Propanol	Column 1:	88.05149	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.59080	1.0000	g/100cc

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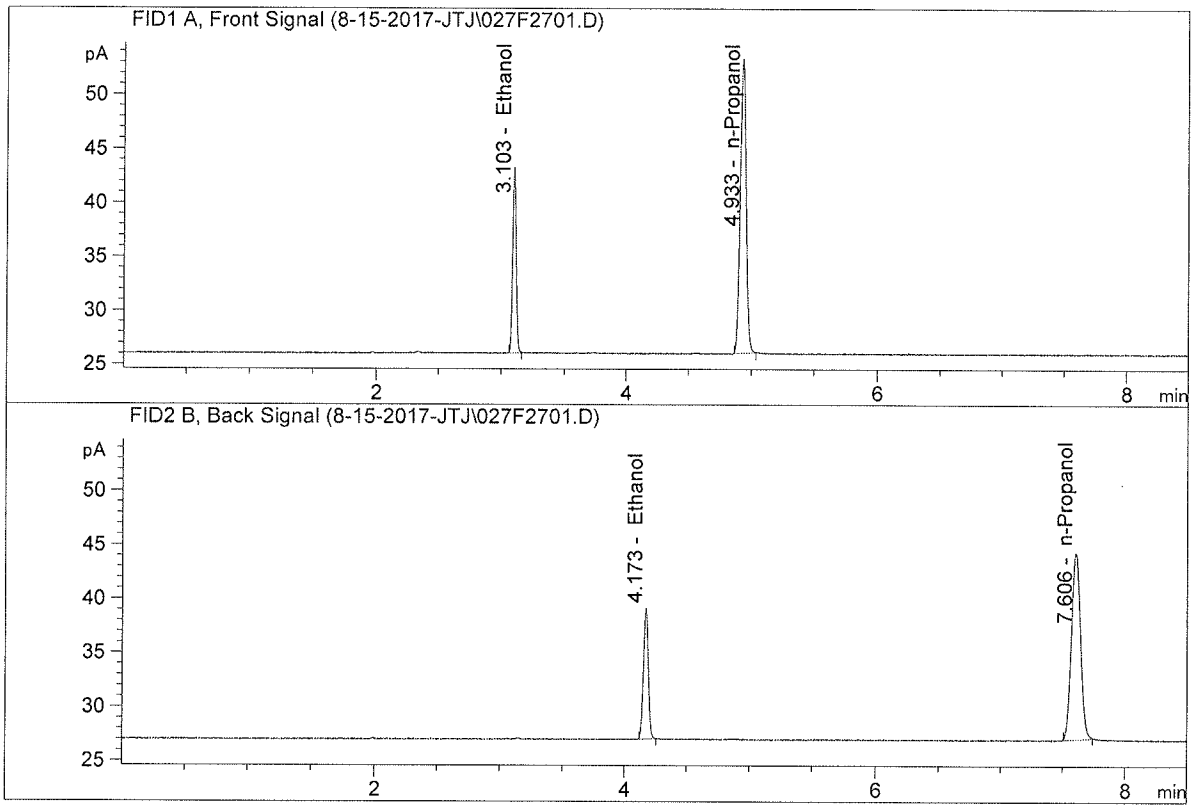
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.28895	0.1948	g/100cc
2.	Ethanol	Column 2:	32.98682	0.1943	g/100cc
3.	n-Propanol	Column 1:	88.79575	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.03775	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 15 Aug 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0775	0.0011	0.0780	0.0778	
(g/100cc)	0.0778	0.0773	0.0005	0.0775		

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

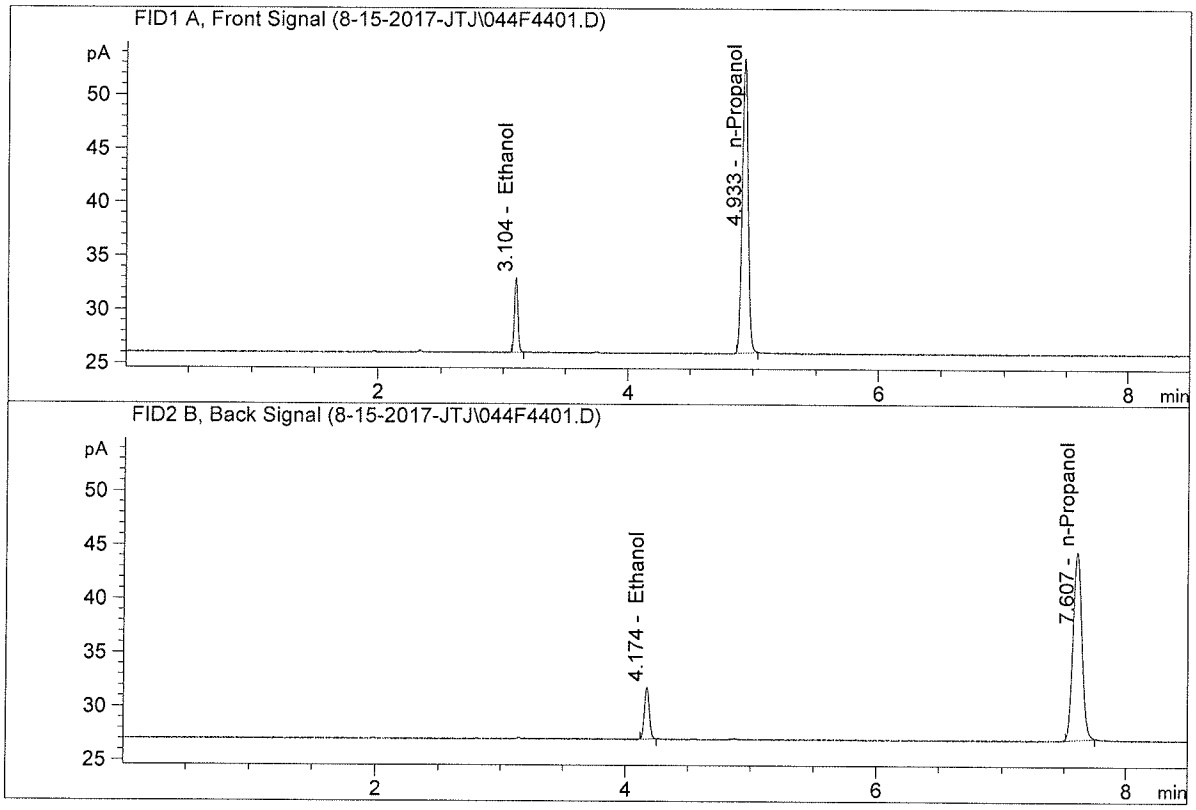
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	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 : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.47147	0.0786	g/100cc
2.	Ethanol	Column 2:	13.25333	0.0775	g/100cc
3.	n-Propanol	Column 1:	89.07798	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.65165	1.0000	g/100cc

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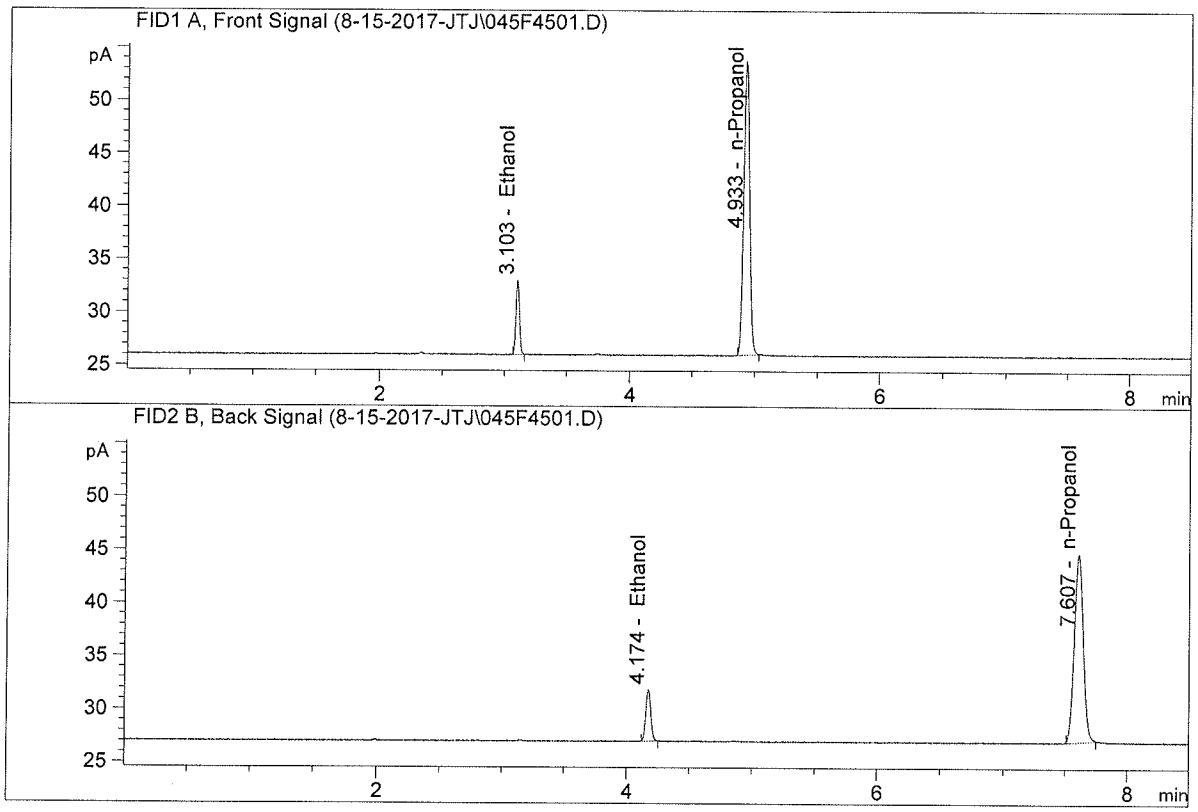
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.48445	0.0778	g/100cc
2.	Ethanol	Column 2:	13.36555	0.0773	g/100cc
3.	n-Propanol	Column 1:	90.03562	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.65799	1.0000	g/100cc

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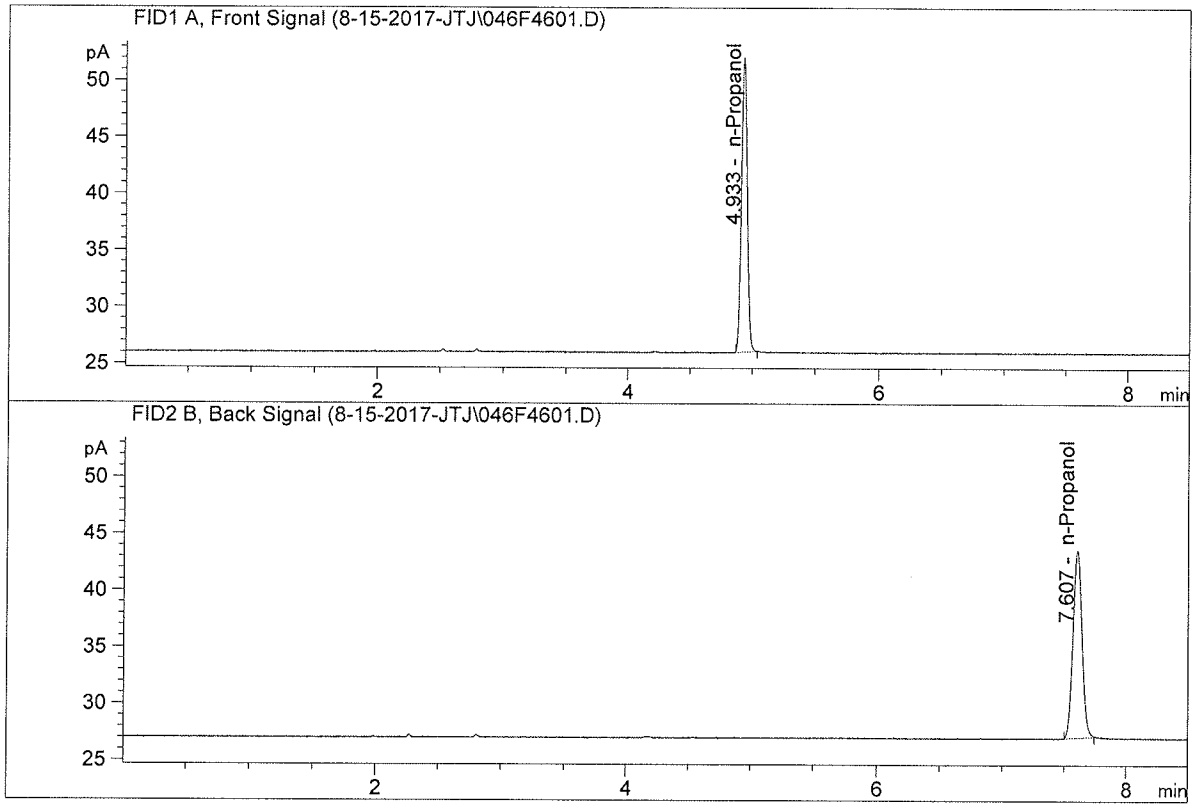
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 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:	84.81962	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.28532	1.0000	g/100cc

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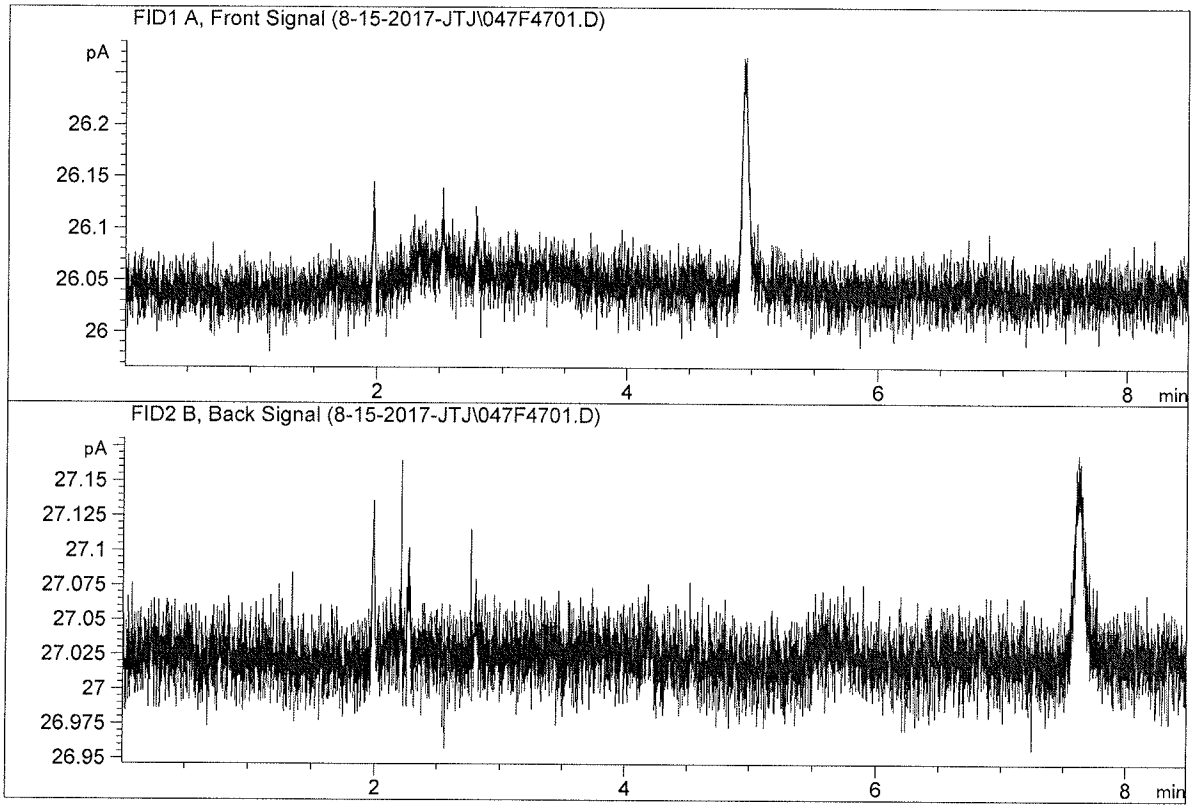
ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Aug 15, 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