Worklist: 1727 CDA 05152017 JTJ

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-0732	1	82222	Alcohol Analysis
C2017-0740	1	82235	Alcohol Analysis
C2017-0759	1	82398	Alcohol Analysis
C2017-0761	1	82402	Alcohol Analysis
C2017-0765	1	82421	Alcohol Analysis
C2017-0797	1	83129	Alcohol Analysis
C2017-0844	1	83756	Alcohol Analysis
C2017-0854	1	84017	Alcohol Analysis
C2017-0857	1	84027	Alcohol Analysis
C2017-0869	1	84126	Alcohol Analysis
C2017-0893	1	84391	Alcohol Analysis
C2017-0909	1	84518	Alcohol Analysis
C2017-0921	1	84627	Alcohol Analysis
M2017-1121	1.1	84809	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96GF641

Volatiles Quality Assurance Controls **Run Date(s): 5/15/2017**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0759 g/100cc
					g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1945 g/100cc
					0.1965 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	0.0496	0.0488	0.0008	0.0492
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0997	0.0984	0.0013	0.099
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1998	0.1989	0.0009	0.1993
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3009	0.3001	0.0008	0.3005
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4996	0.5009	0.0013	0.5002

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.

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_15.05.2017_02.54.27\5-15-2017.S
Data directory path: C:\Chem32\1\Data\5-15-2017JTJ
Logbook: C:\Chem32\1\Data\5-15-2017JTJ\5-15-2017.LOG
Sequence start: 5/15/2017 3:08:13 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

work list # 1727

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-0604502	-	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	C2017-0732-1-A	-	1.0000	008F0801.D		4
9	9	1	C2017-0732-1-B	-	1.0000	009F0901.D		4
10	10	1	C2017-0740-1-A	-	1.0000	010F1001.D		4
11	11	1	C2017-0740-1-B	-	1.0000	011F1101.D		4
12	12	1	C2017-0759-1-A	-	1.0000	012F1201.D		4
13	13	1	C2017-0759-1-B	-	1.0000	013F1301.D		6
14	14	1	C2017-0761-1-A	-	1.0000	014F1401.D		4
15	15	1	C2017-0761-1-B	-	1.0000	015F1501.D		4
16	16	1	C2017-0765-1-A	-	1.0000	016F1601.D		6
17	17	1	C2017-0765-1-B	-	1.0000	017F1701.D		6
18	18	1	C2017-0797-1-A	-	1.0000	018F1801.D		4
19	19	1	C2017-0797-1-B	-	1.0000	019F1901.D		4
20	20	1	C2017-0844-1-A	-	1.0000	020F2001.D		3
21	21	1	C2017-0844-1-B	-	1.0000	021F2101.D		2
22	22	1	C2017-0854-1-A	-	1.0000	022F2201.D		4
23	23	1	C2017-0854-1-B	-	1.0000	023F2301.D		4
24	24	1	C2017-0857-1-A	-	1.0000	024F2401.D		2
25	25	1	C2017-0857-1-B	-	1.0000	025F2501.D		2
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	C2017-0869-1-A	-	1.0000	028F2801.D		6
29	29	1	C2017-0869-1-B	-	1.0000	029F2901.D		6
30	30	1	C2017-0893-1-A	-	1.0000	030F3001.D		4
31	31	1	C2017-0893-1-B	-	1.0000	031F3101.D		4
32	32	1	C2017-0909-1-A	-	1.0000	032F3201.D		4
33	33	1	C2017-0909-1-B	-	1.0000	033F3301.D		4
34	34	1	C2017-0921-1-A	-	1.0000	034F3401.D		4
35	35	1	C2017-0921-1-B	-	1.0000	035F3501.D		4
36	36	1	M2017-1121-1.1-A	-	1.0000	036F3601.D		4
37	37	1	M2017-1121-1.1-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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Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, May 15, 2017 2:02:34 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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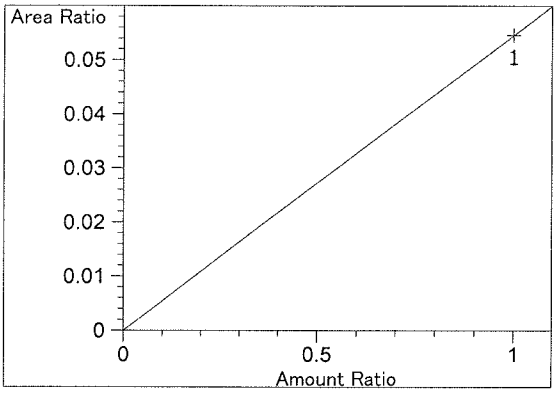
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.101	1	1	5.00000e-2	8.38805	5.96086e-3	No	No	1	Ethanol
		2	1.00000e-1	16.94314	5.90209e-3				
		3	2.00000e-1	34.34659	5.82299e-3				
		4	3.00000e-1	51.85009	5.78591e-3				
		5	5.00000e-1	87.46716	5.71643e-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
4.170	2	1	5.00000e-2	8.28354	6.03606e-3	No	No	2	Ethanol
		2	1.00000e-1	16.71355	5.98317e-3				
		3	2.00000e-1	34.08756	5.86724e-3				
		4	3.00000e-1	51.47373	5.82822e-3				
		5	5.00000e-1	86.96229	5.74962e-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
4.929	1	1	1.00000	92.65210	1.07931e-2	No	Yes	1	n-Propanol
		2	1.00000	93.03214	1.07490e-2				
		3	1.00000	94.11920	1.06248e-2				
		4	1.00000	94.35122	1.05987e-2				
		5	1.00000	95.86955	1.04308e-2				
7.602	2	1	1.00000	91.66407	1.09094e-2	No	Yes	2	n-Propanol
		2	1.00000	91.69930	1.09052e-2				
		3	1.00000	92.54256	1.08058e-2				
		4	1.00000	92.61725	1.07971e-2				
		5	1.00000	93.73792	1.06680e-2				

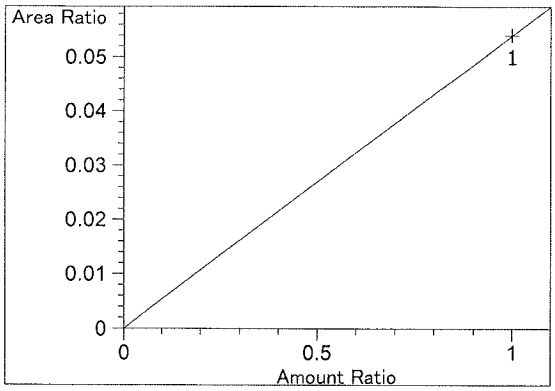
Peak Sum Table

No Entries in table

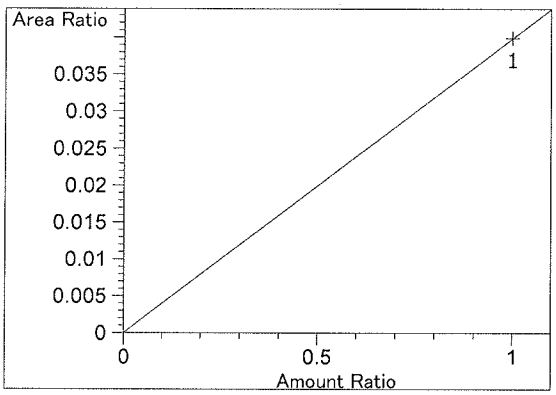
Calibration Curves



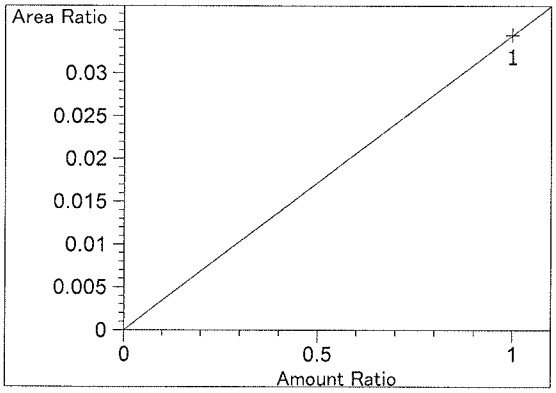
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.45470e-2
x: Amount Ratio
y: Area Ratio



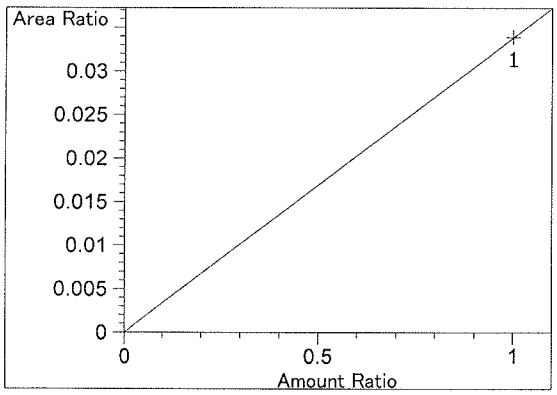
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.39653e-2
x: Amount Ratio
y: Area Ratio



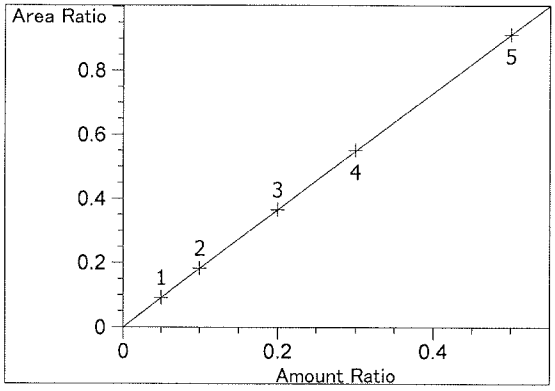
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.98987e-2
x: Amount Ratio
y: Area Ratio



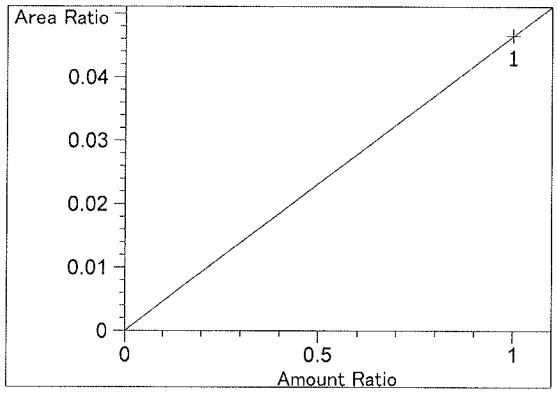
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.44634e-2
x: Amount Ratio
y: Area Ratio



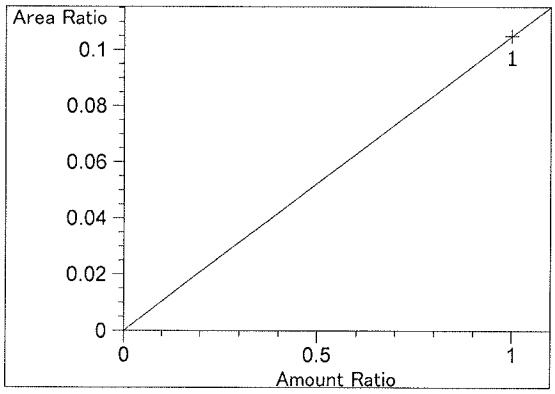
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.38819e-2
x: Amount Ratio
y: Area Ratio



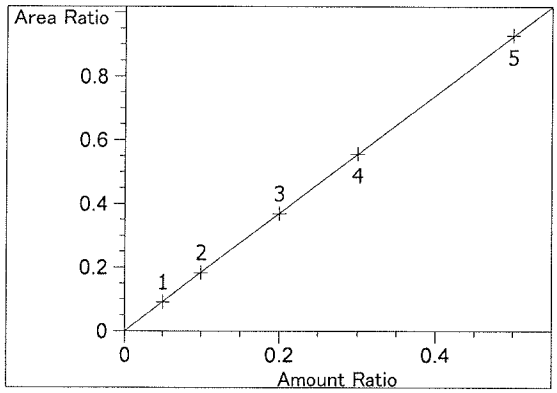
Ethanol at exp. RT: 3.101
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00104
Formula: y = mx
m: 1.82615
x: Amount Ratio
y: Area Ratio



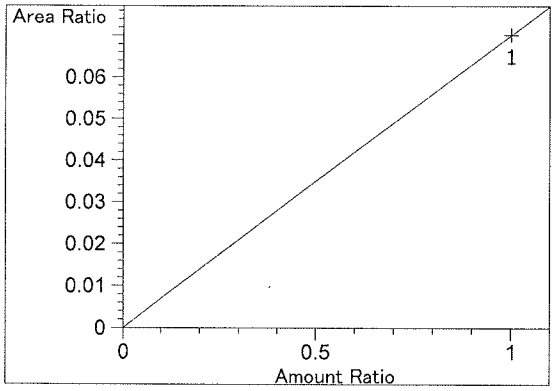
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.64809e-2
x: Amount Ratio
y: Area Ratio



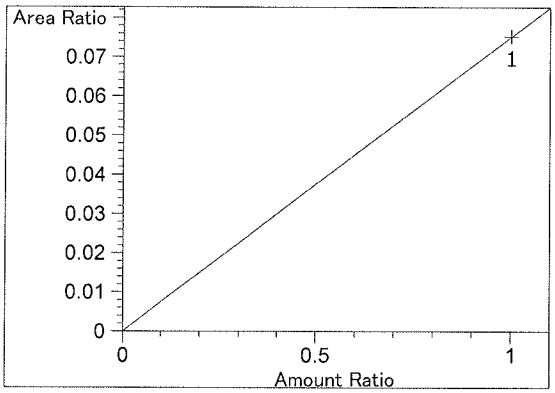
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.05022e-1
x: Amount Ratio
y: Area Ratio



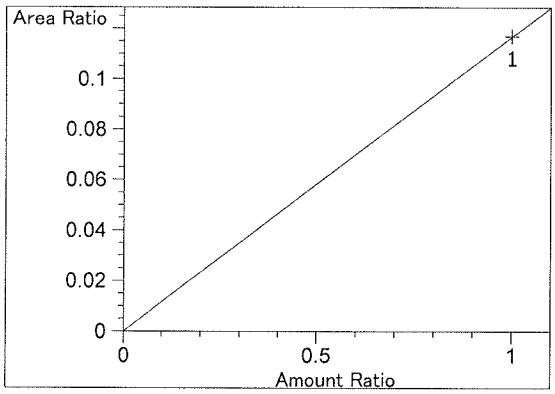
Ethanol at exp. RT: 4.170
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00228
Formula: y = mx
m: 1.85224
x: Amount Ratio
y: Area Ratio



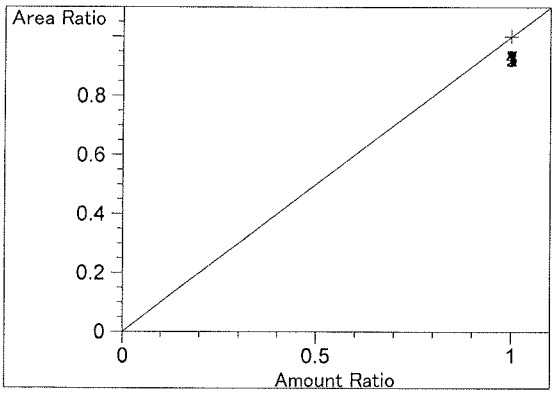
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.01484e-2
x: Amount Ratio
y: Area Ratio



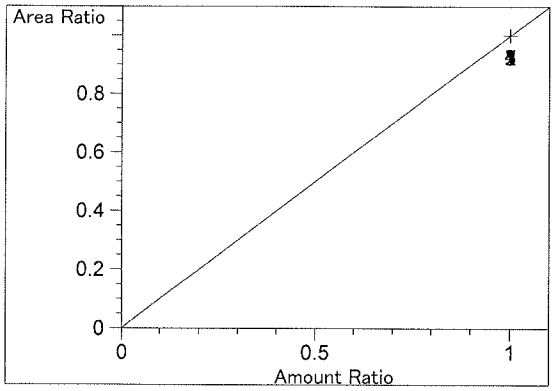
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.51986e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.16801e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.929
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: 7.602
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

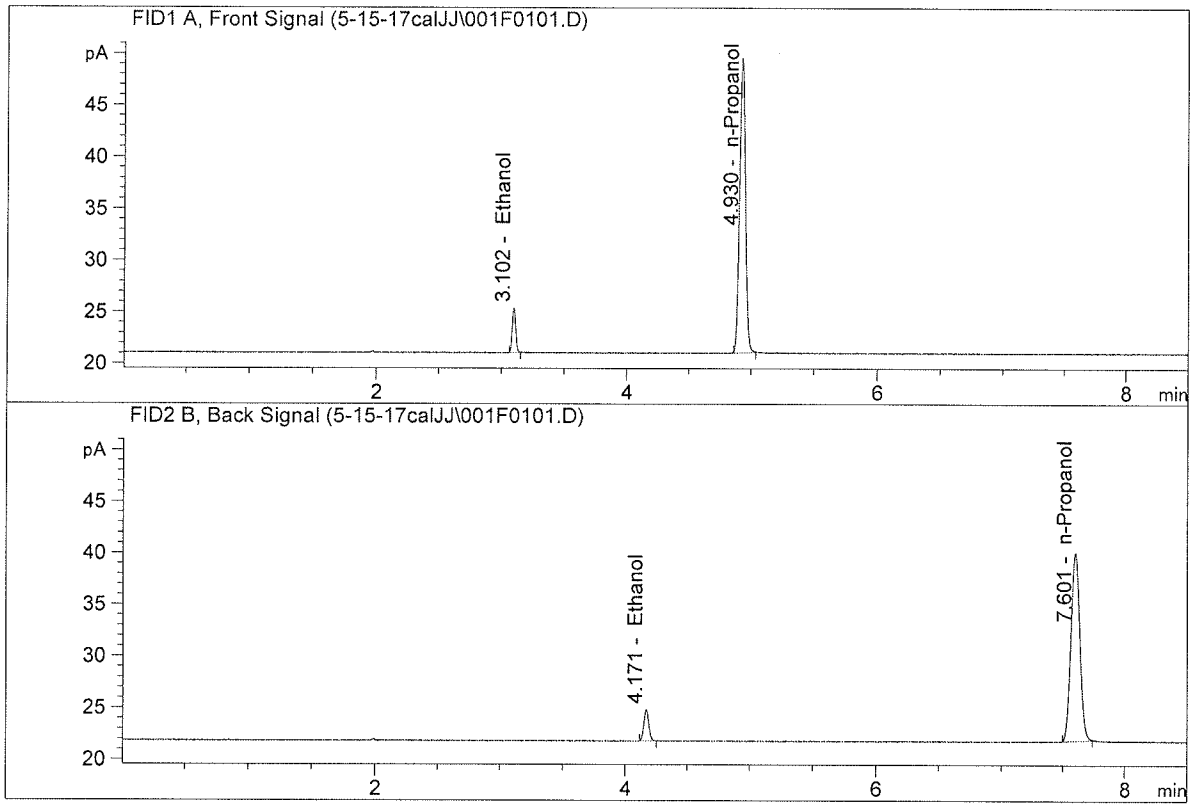
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_15.05.2017_12.02.11\5-15-17cal.S
Data directory path: C:\Chem32\1\Data\5-15-17calJJ
Logbook: C:\Chem32\1\Data\5-15-17calJJ\5-15-17cal.LOG
Sequence start: 5/15/2017 12:15:56 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

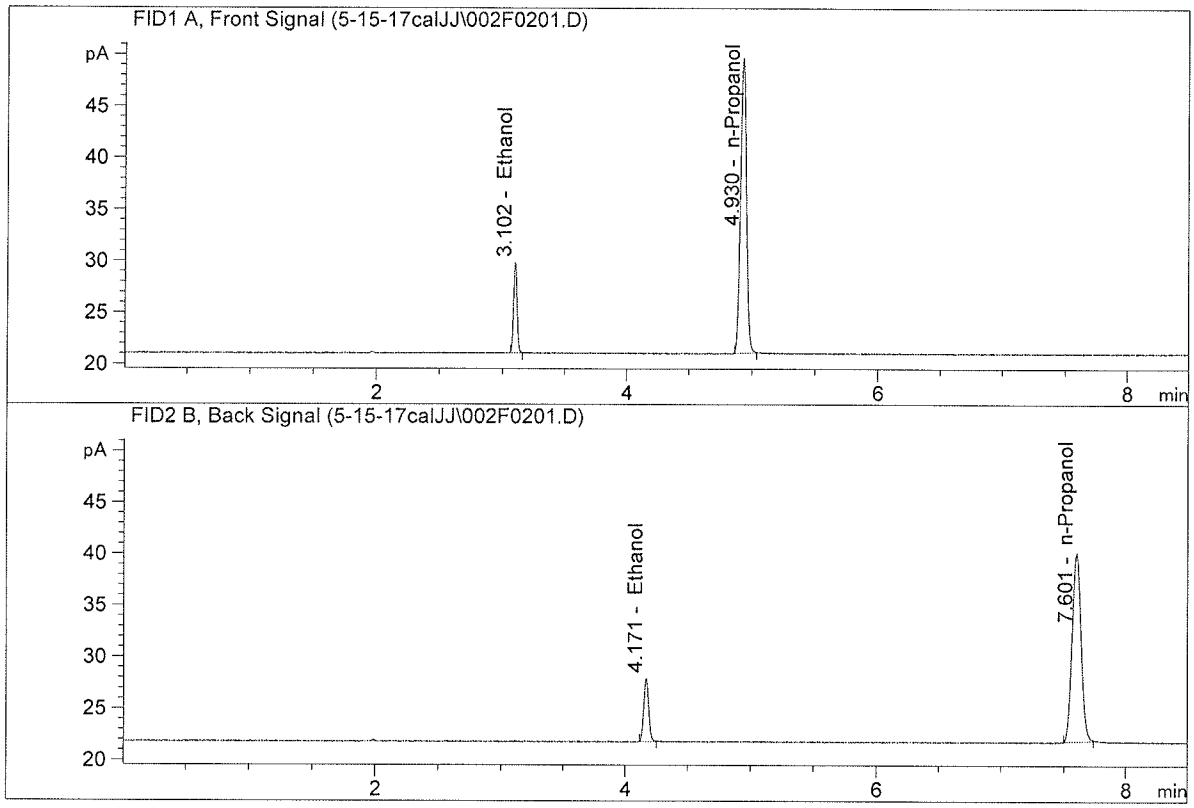
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.38805	0.0496	g/100cc
2.	Ethanol	Column 2:	8.28354	0.0488	g/100cc
3.	n-Propanol	Column 1:	92.65210	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.66407	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.94314	0.0997	g/100cc
2.	Ethanol	Column 2:	16.71355	0.0984	g/100cc
3.	n-Propanol	Column 1:	93.03214	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.69930	1.0000	g/100cc

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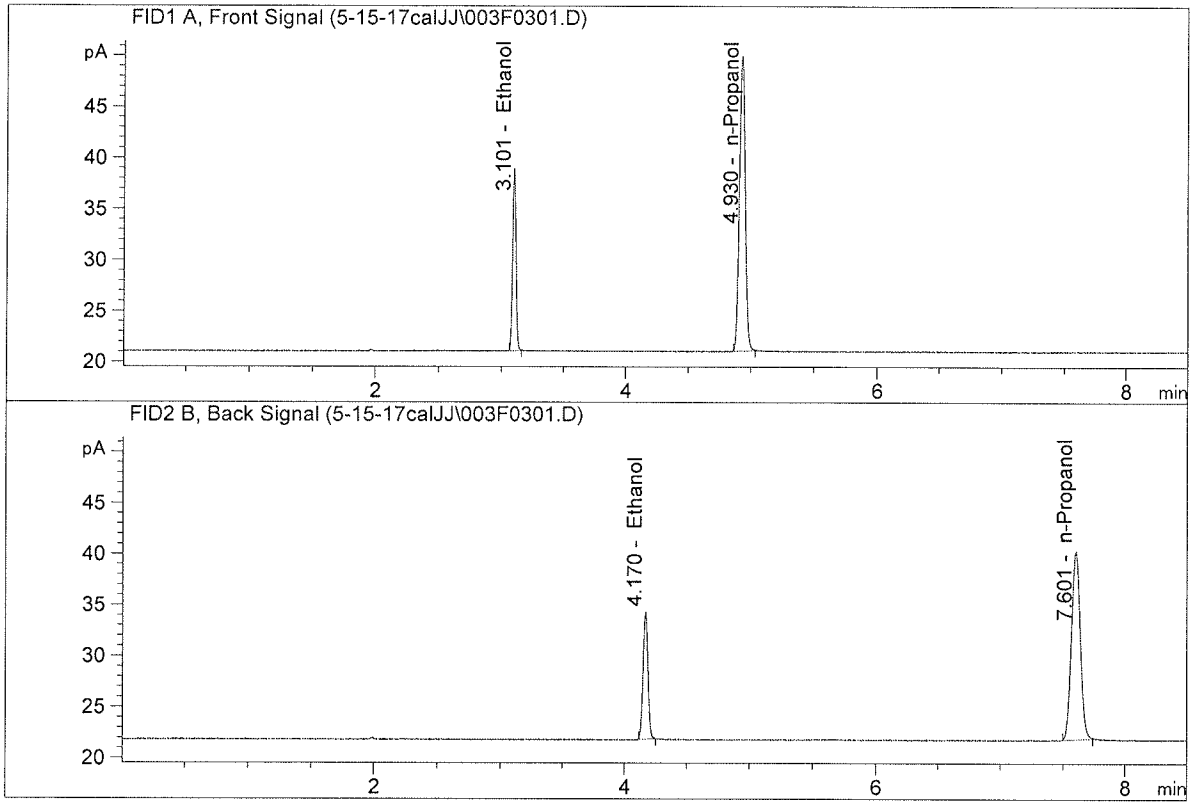
ISP Forensic Services Blood Alcohol Report

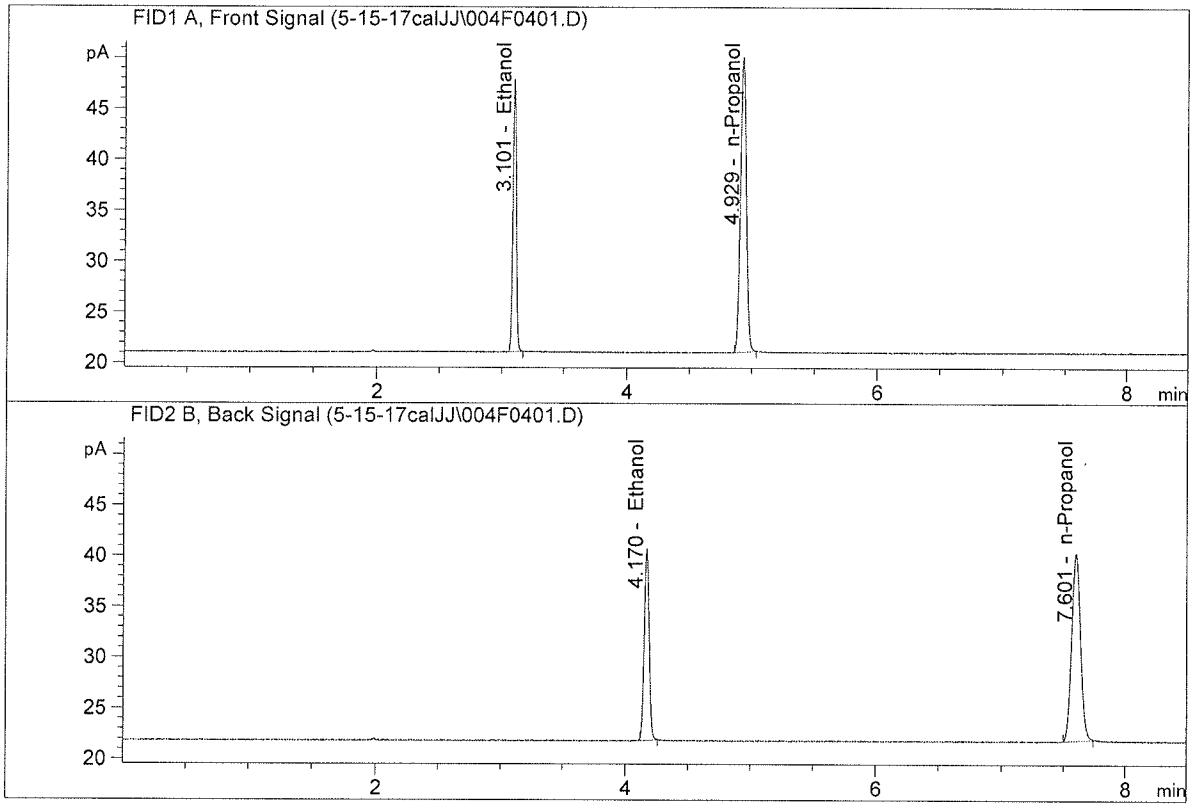
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.34659	0.1998	g/100cc
2.	Ethanol	Column 2:	34.08756	0.1989	g/100cc
3.	n-Propanol	Column 1:	94.11920	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.54256	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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

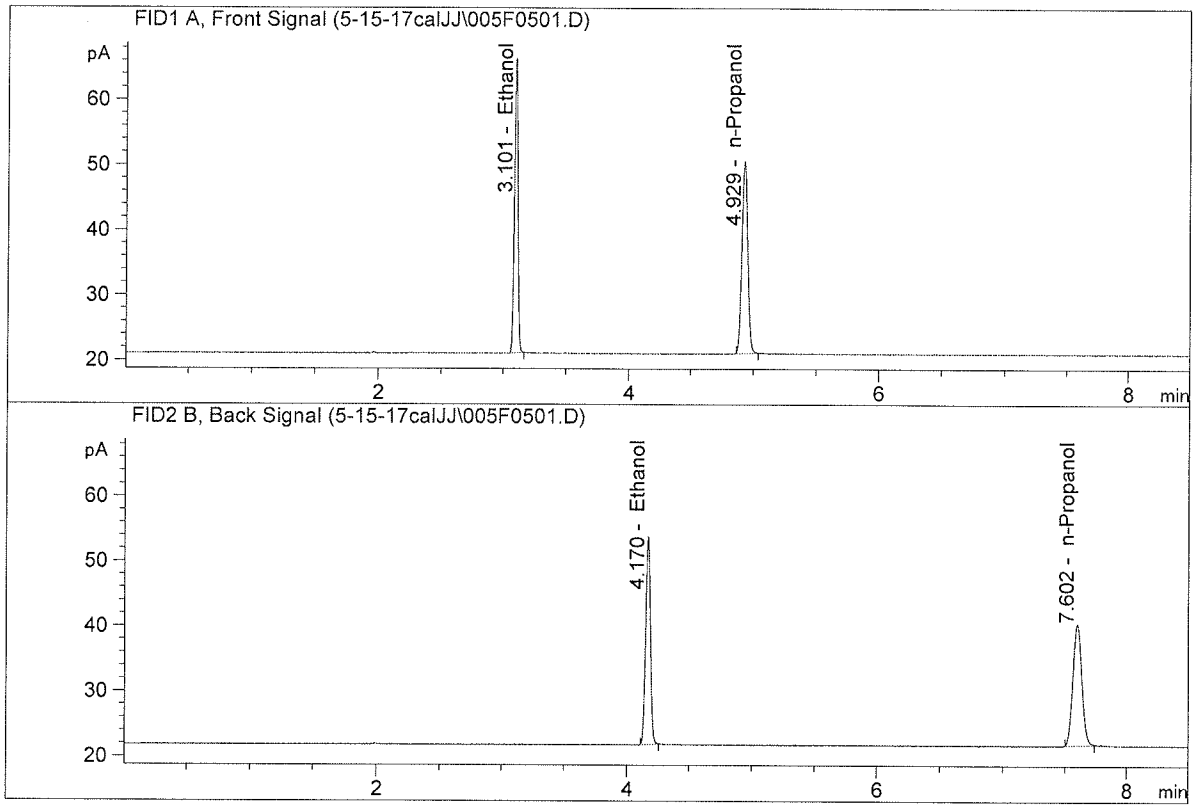


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.85009	0.3009	g/100cc
2.	Ethanol	Column 2:	51.47373	0.3001	g/100cc
3.	n-Propanol	Column 1:	94.35122	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.61725	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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

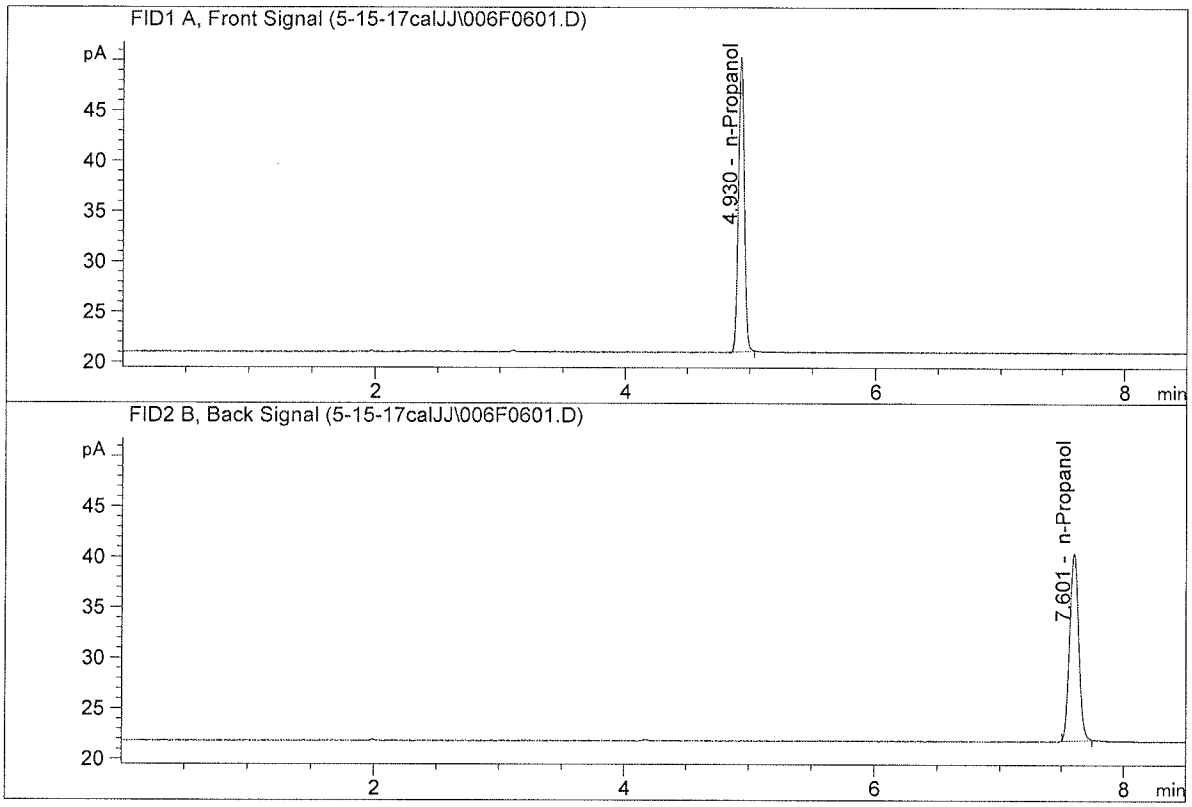


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.46716	0.4996	g/100cc
2.	Ethanol	Column 2:	86.96229	0.5009	g/100cc
3.	n-Propanol	Column 1:	95.86955	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.73792	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

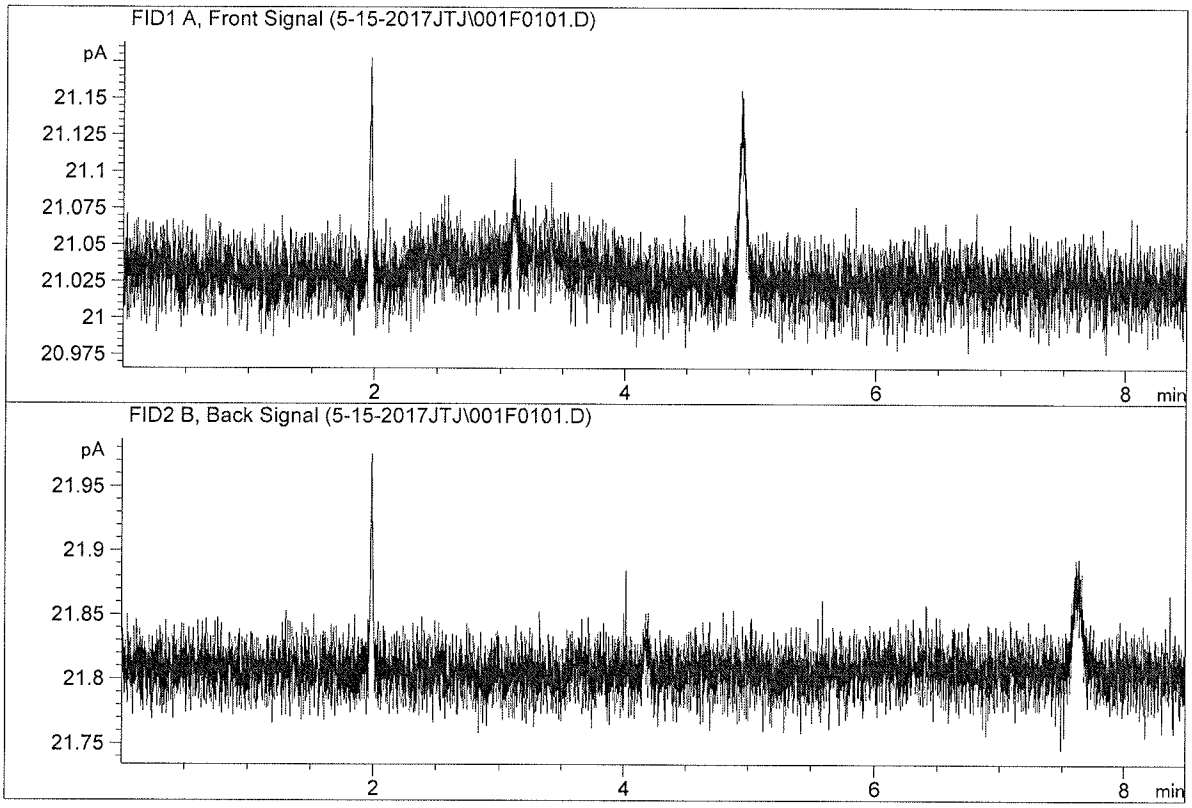
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	95.12767	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.74163	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

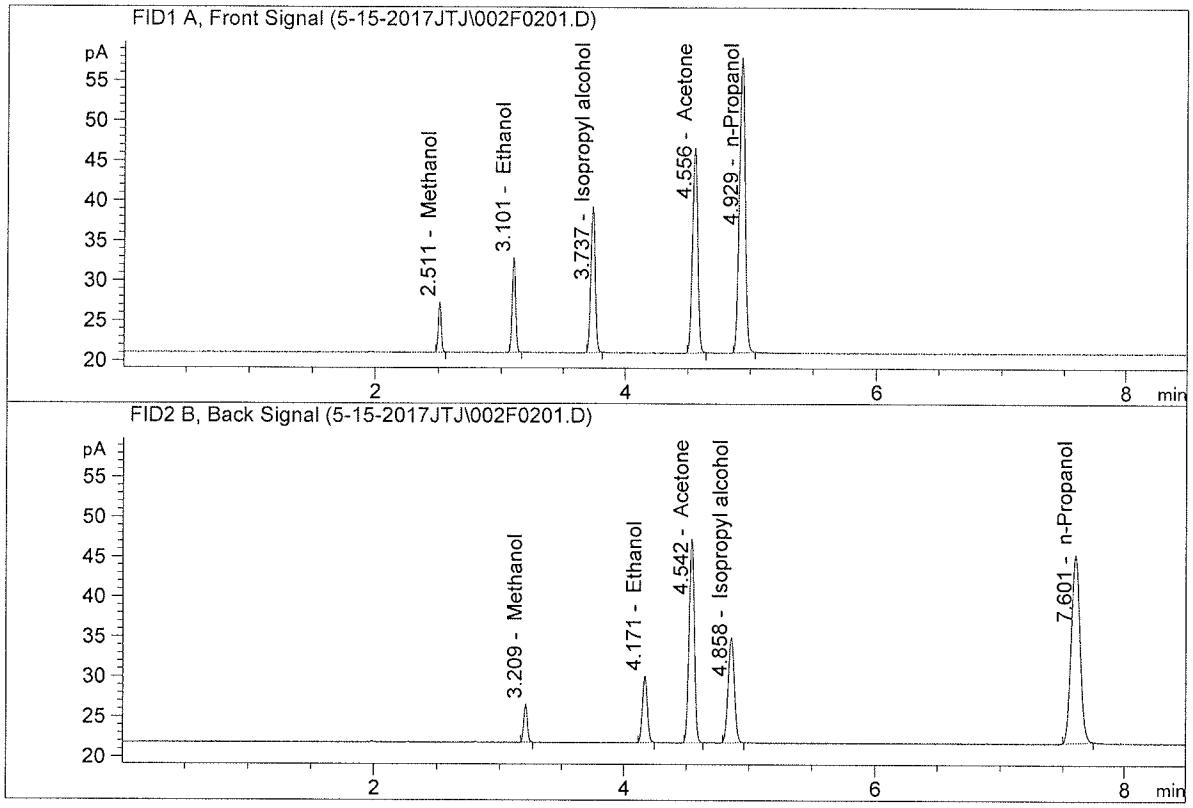
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

ISP Forensic Services Blood Alcohol Report

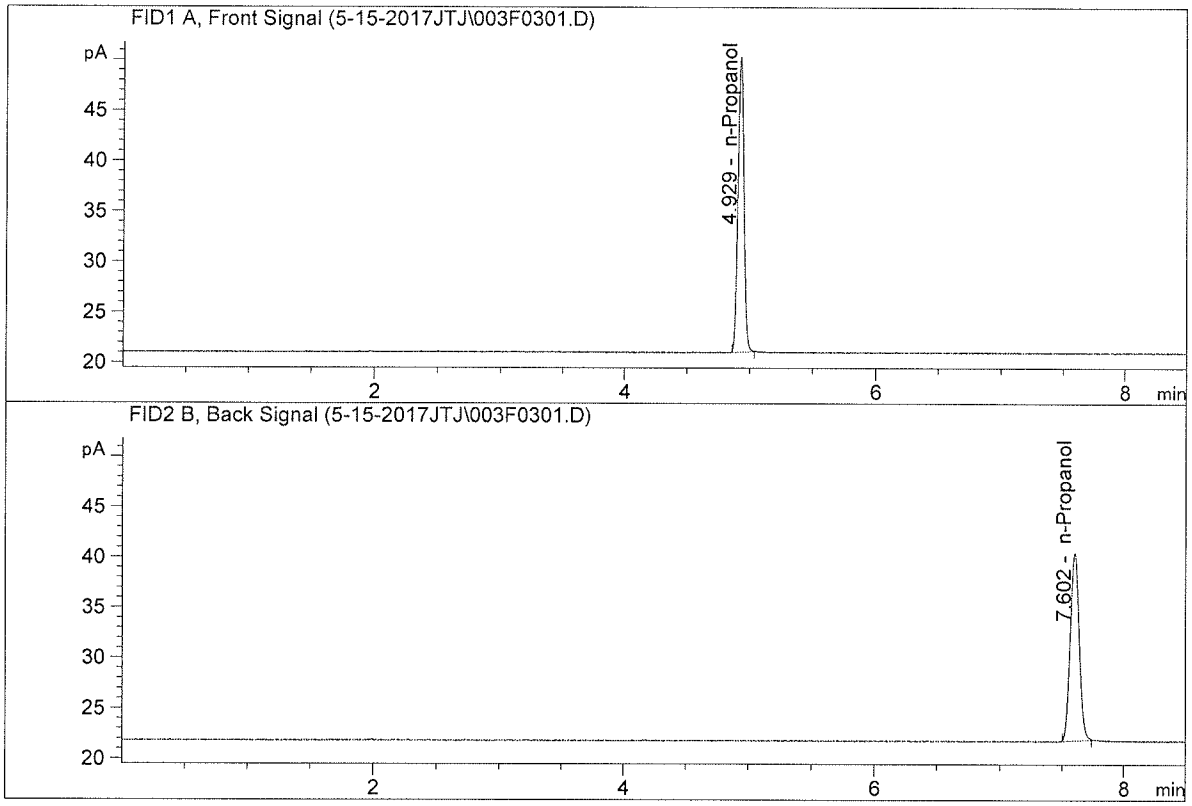
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.89815	0.1045	g/100cc
2.	Ethanol	Column 2:	22.66308	0.1036	g/100cc
3.	n-Propanol	Column 1:	119.94327	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.15886	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : May 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:	95.11268	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.59120	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0753	0.0747	0.0006	0.0750	0.0759	
(g/100cc)	0.0772	0.0766	0.0006	0.0769		

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: MD-96GF641

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

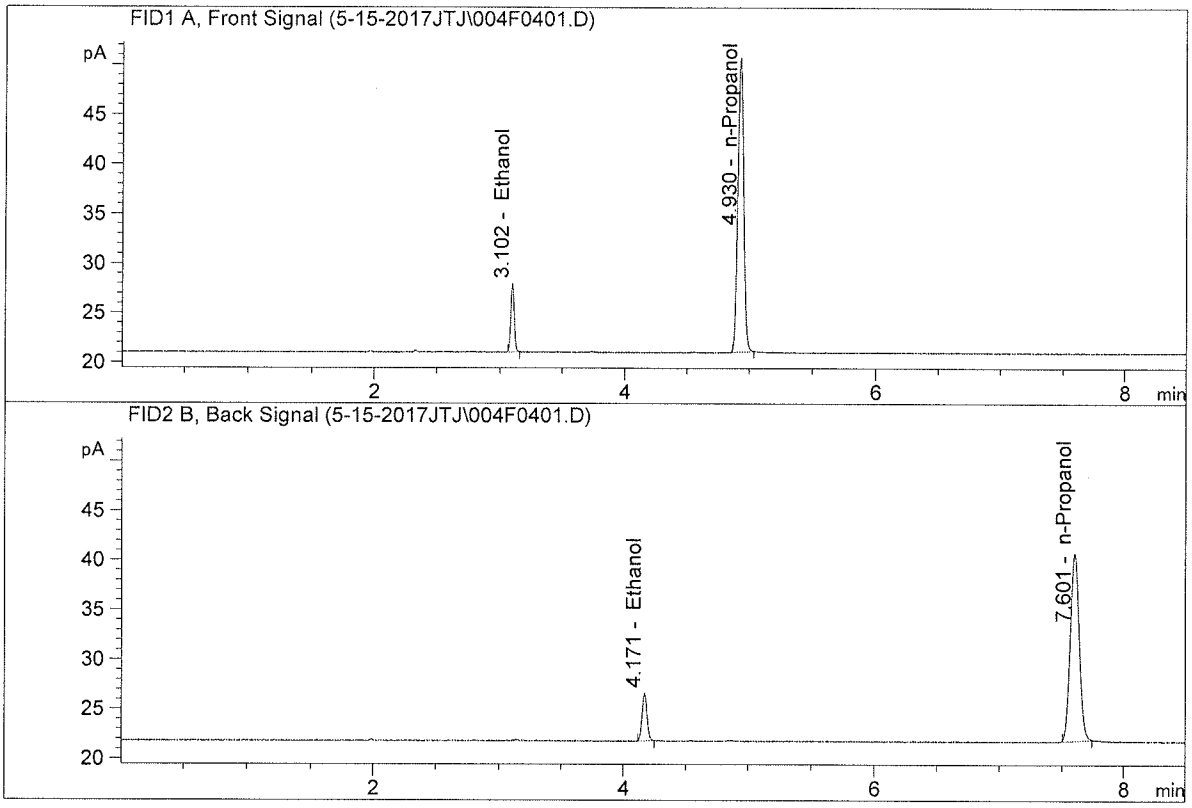
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

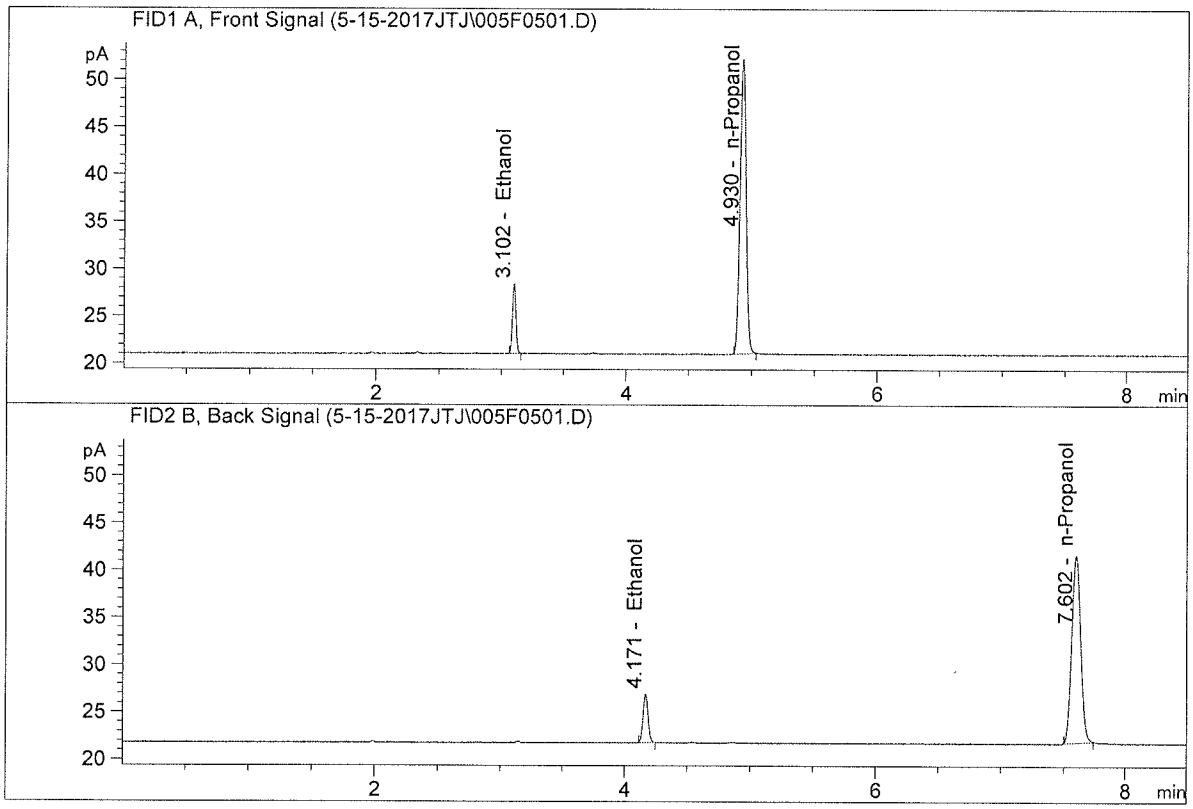
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.27370	0.0753	g/100cc
2.	Ethanol	Column 2:	13.11818	0.0747	g/100cc
3.	n-Propanol	Column 1:	96.51408	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.79510	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.26768	0.0772	g/100cc
2.	Ethanol	Column 2:	14.11653	0.0766	g/100cc
3.	n-Propanol	Column 1:	101.20390	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.48569	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0794	0.0007	0.0797	0.0801	
(g/100cc)	0.0808	0.0801	0.0007	0.0804		

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: MD-96GF641

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

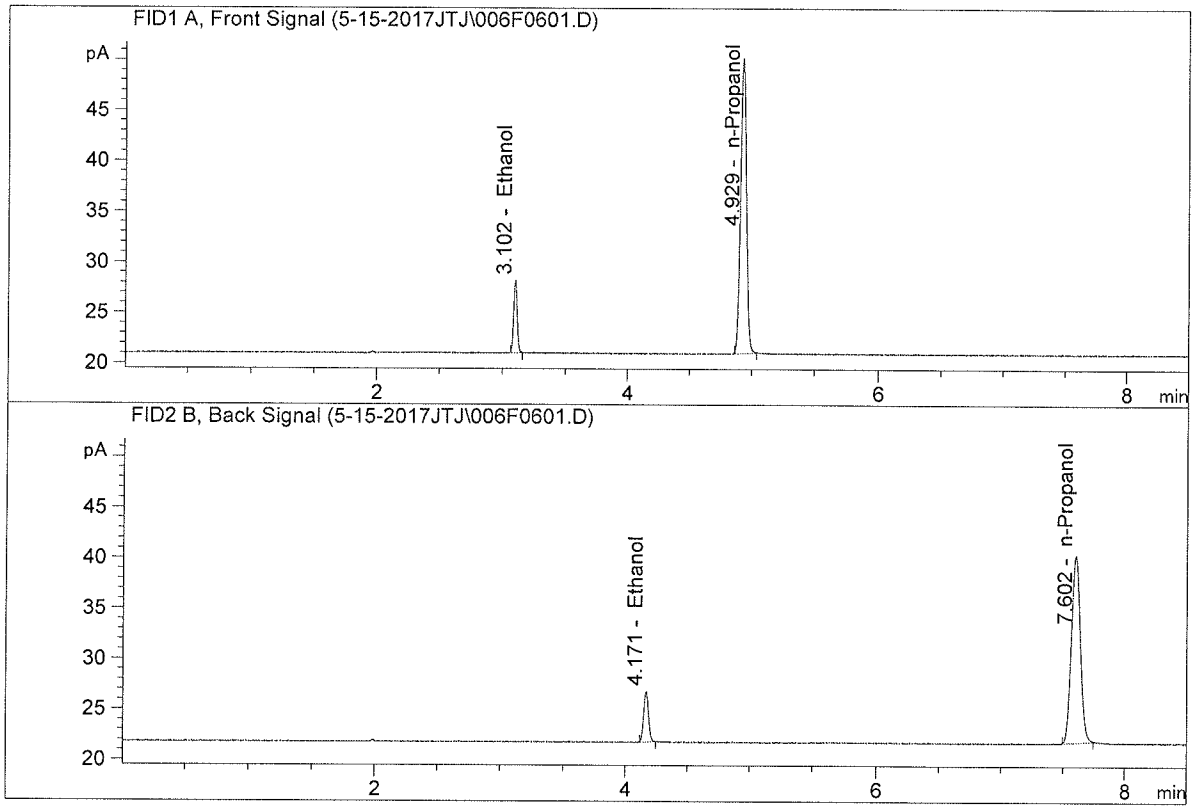
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

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

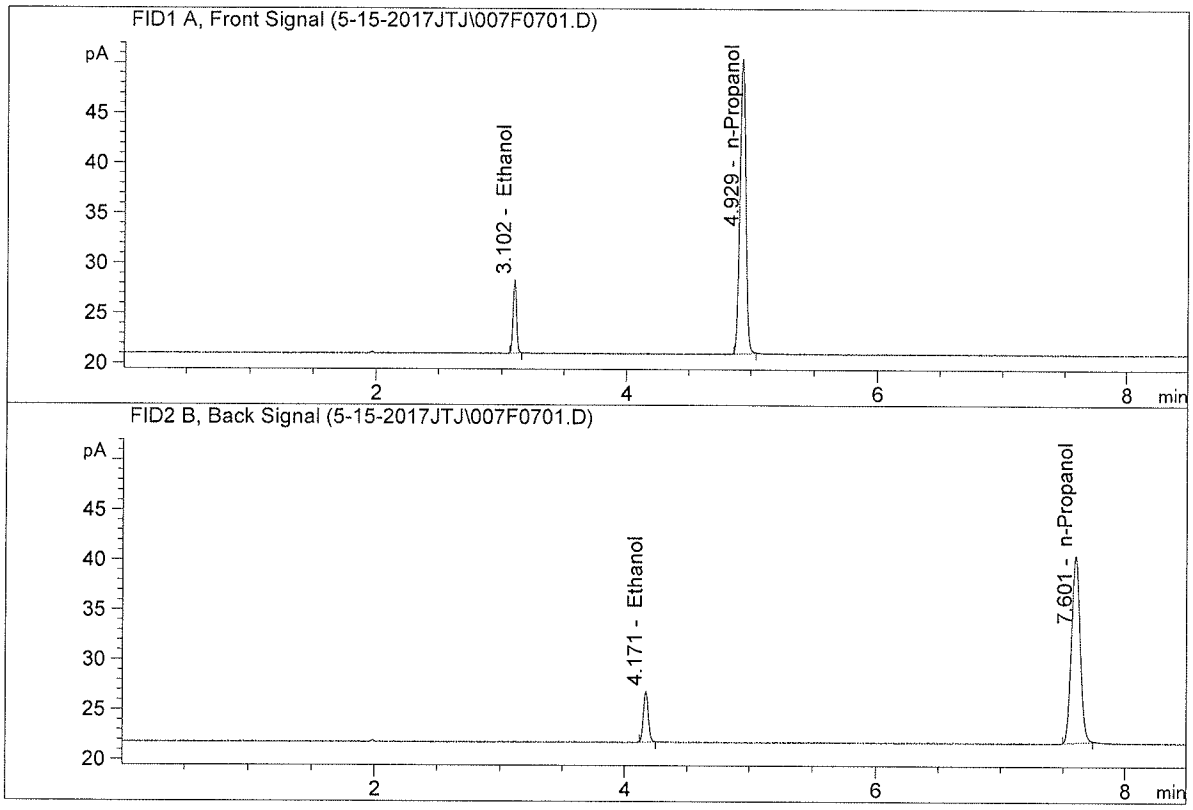


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.87535	0.0801	g/100cc
2.	Ethanol	Column 2:	13.69508	0.0794	g/100cc
3.	n-Propanol	Column 1:	94.83459	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.10751	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.14069	0.0808	g/100cc
2.	Ethanol	Column 2:	13.94521	0.0801	g/100cc
3.	n-Propanol	Column 1:	95.79592	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.96550	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1942	0.1940	0.0002	0.1941	0.1945	
(g/100cc)	0.1951	0.1948	0.0003	0.1949		

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: MD-96GF641

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

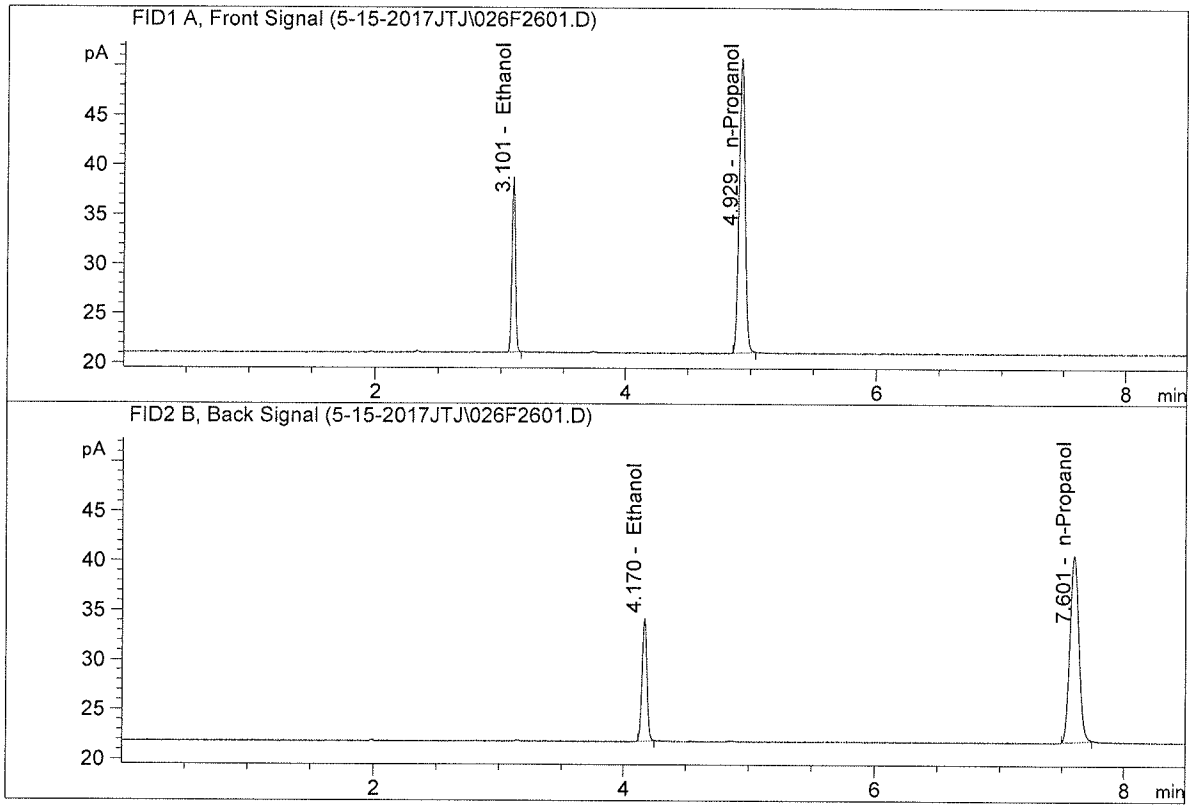
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

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

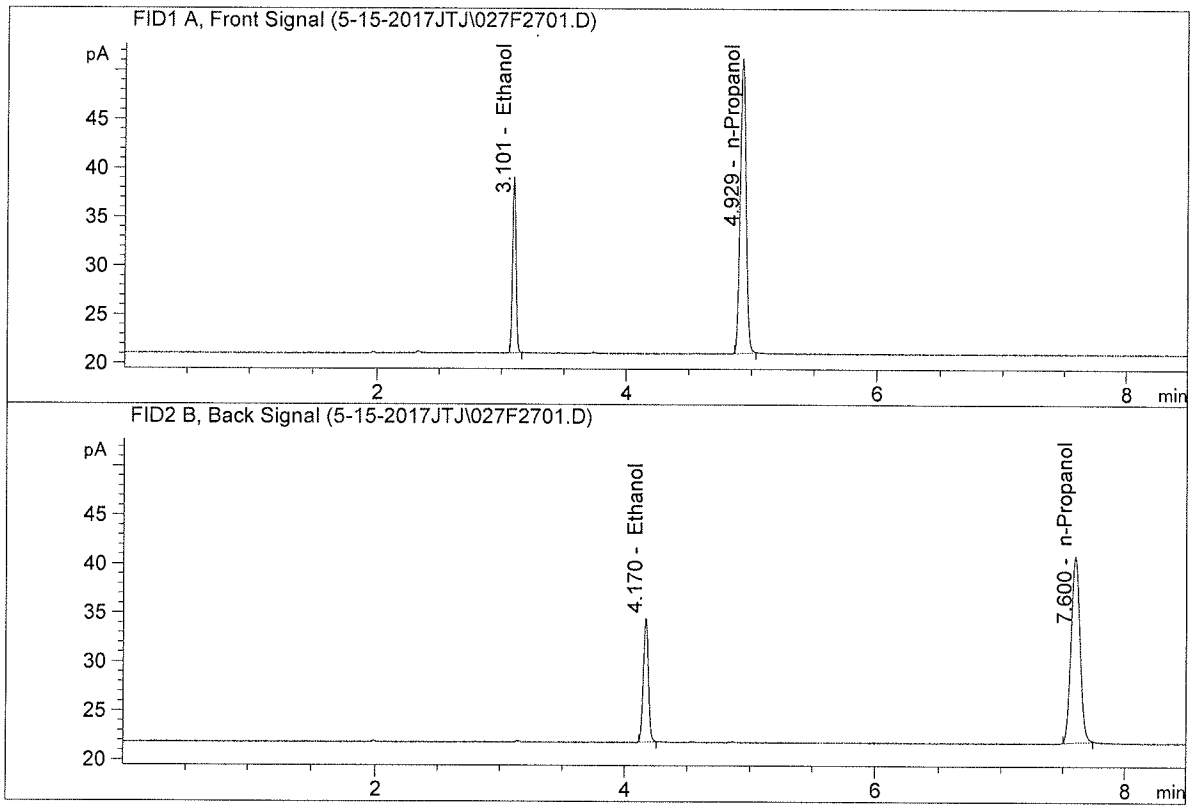


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.29083	0.1942	g/100cc
2.	Ethanol	Column 2:	33.94601	0.1940	g/100cc
3.	n-Propanol	Column 1:	96.70349	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.47274	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.88236	0.1951	g/100cc
2.	Ethanol	Column 2:	34.59840	0.1948	g/100cc
3.	n-Propanol	Column 1:	97.90450	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.86693	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1970	0.1964	0.0006	0.1967	0.1965	
(g/100cc)	0.1963	0.1965	0.0002	0.1964		

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: MD-96GF641

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

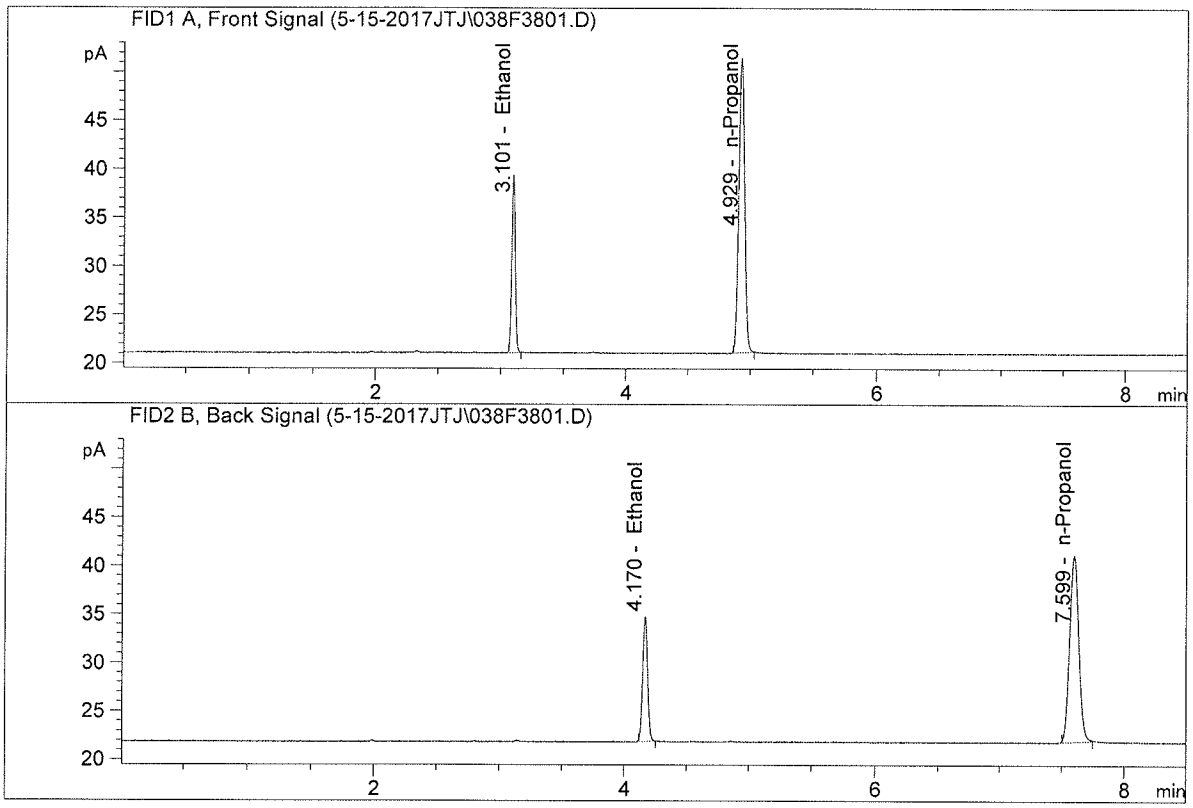
Overall Mean (g/100cc)	Low	High	5% of Mean
0.196	**0.186**	**0.206**	**0.010**

Reported Result
0.196

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

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

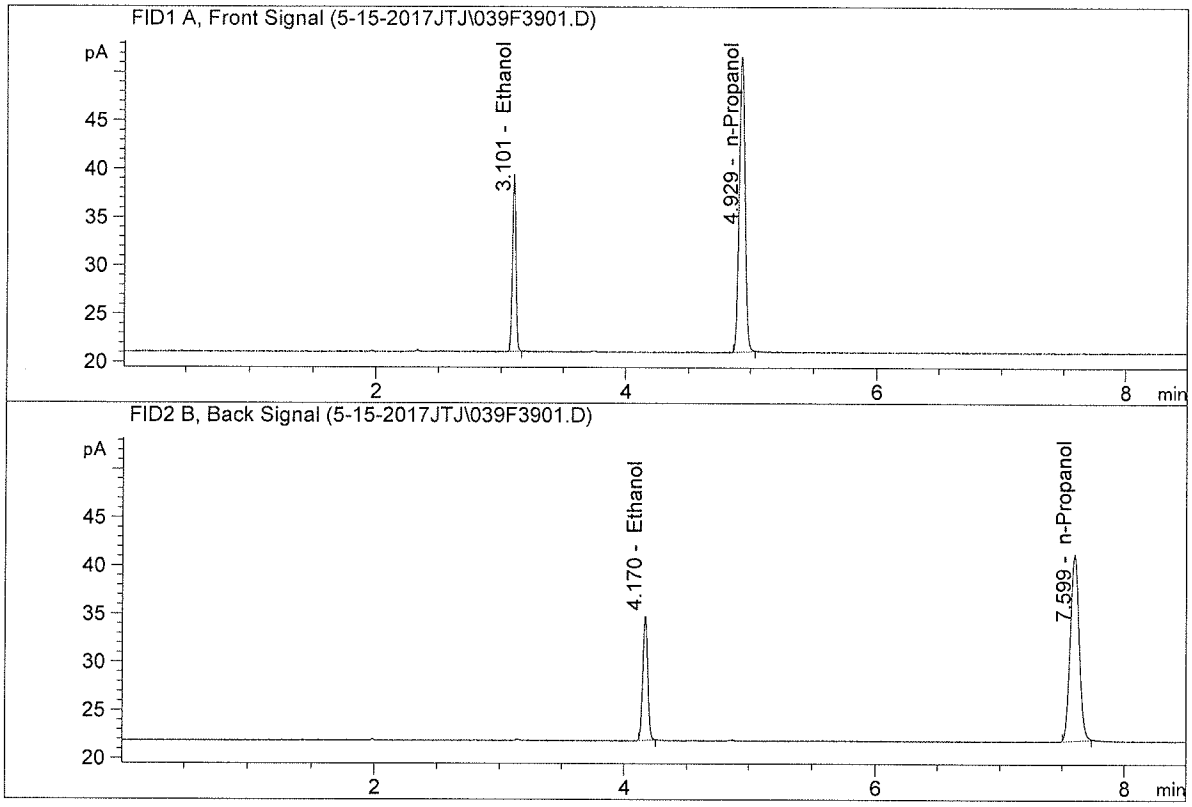


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.50888	0.1970	g/100cc
2.	Ethanol	Column 2:	35.22159	0.1964	g/100cc
3.	n-Propanol	Column 1:	98.68700	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.81095	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

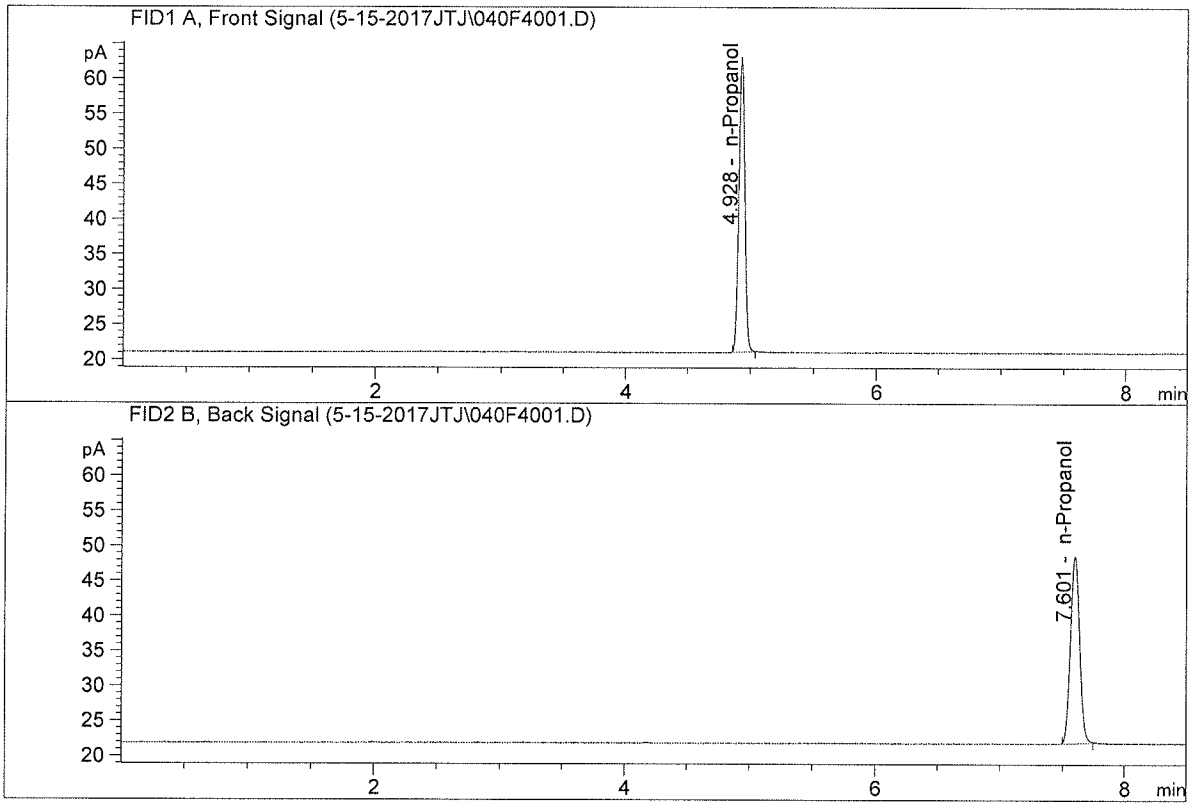
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : May 15, 2017
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.56311	0.1963	g/100cc
2.	Ethanol	Column 2:	35.26086	0.1965	g/100cc
3.	n-Propanol	Column 1:	99.20154	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.89259	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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

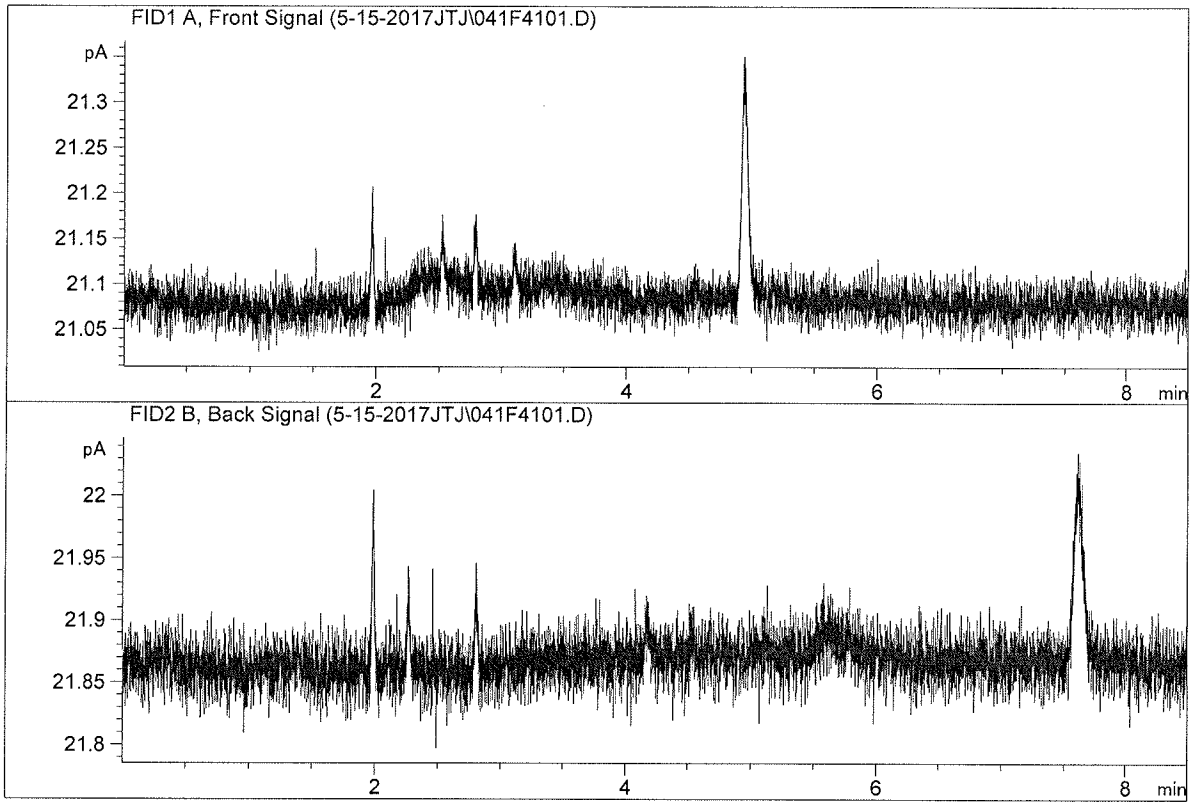


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	136.43448	1.0000	g/100cc
4.	n-Propanol	Column 2:	134.52902	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : May 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