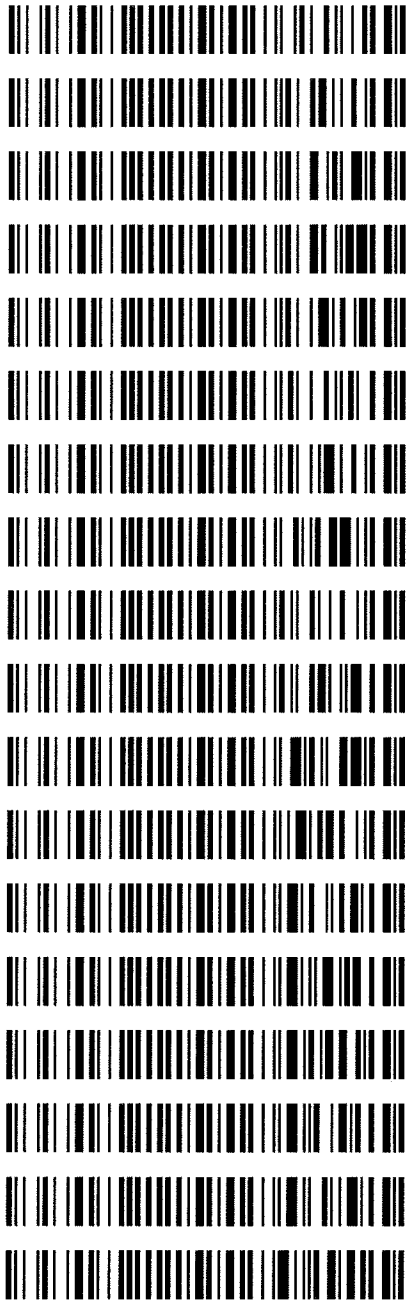
Worklist: 2609

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-1394	1	121479	Alcohol Analysis
C2018-1397	1	121608	Alcohol Analysis
C2018-1410	1	121622	Alcohol Analysis
C2018-1411	1	121625	Alcohol Analysis
C2018-1413	1	121648	Alcohol Analysis
C2018-1426	1	121784	Alcohol Analysis
C2018-1429	1	121788	Alcohol Analysis
C2018-1443	1	121902	Alcohol Analysis
C2018-1454	1	122111	Alcohol Analysis
C2018-1455	1	122159	Alcohol Analysis
C2018-1470	1	122463	Alcohol Analysis
C2018-1492	1	122628	Alcohol Analysis
C2018-1503	2	122836	Alcohol Analysis
C2018-1504	1	122837	Alcohol Analysis
C2018-1505	1	122875	Alcohol Analysis
C2018-1510	1	122910	Alcohol Analysis
C2018-1511	1	122914	Alcohol Analysis
C2018-1525	1	123071	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):8/2/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0805 g/100cc
					g/100cc
					g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1997 g/100cc
					0.2013 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	0.0502	0.0497	0.0005	0.0499
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0995	0.0988	0.0007	0.0991
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1999	0.1993	0.0006	0.1996
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3011	0.3017	0.0006	0.3014
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5058	0.5063	0.0005	0.506

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_02.08.2018_04.00.31\8-2-2018.S
Data directory path: C:\Chem32\1\Data\8-2-2018-JJ
Logbook: C:\Chem32\1\Data\8-2-2018-JJ\8-2-2018.LOG
Sequence start: 8/2/2018 4:14:15 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-2-A	-	1.0000	004F0401.D		4
5	5	1	QC-2-B	-	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	C2018-1394-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-1394-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-1397-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-1397-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-1410-1-A	-	1.0000	012F1201.D		4
13	13	1	C2018-1410-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-1411-1-A	-	1.0000	014F1401.D		6
15	15	1	C2018-1411-1-B	-	1.0000	015F1501.D		6
16	16	1	C2018-1413-1-A	-	1.0000	016F1601.D		2
17	17	1	C2018-1413-1-B	-	1.0000	017F1701.D		2
18	18	1	C2018-1426-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-1426-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-1429-1-A	-	1.0000	020F2001.D		4
21	21	1	C2018-1429-1-B	-	1.0000	021F2101.D		4
22	22	1	C2018-1443-1-A	-	1.0000	022F2201.D		6
23	23	1	C2018-1443-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-1455-1-A	-	1.0000	024F2401.D		2
25	25	1	C2018-1455-1-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	C2018-1470-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-1470-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-1492-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-1492-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-1503-2-A	-	1.0000	032F3201.D		2
33	33	1	C2018-1503-2-B	-	1.0000	033F3301.D		2
34	34	1	C2018-1504-1-A	-	1.0000	034F3401.D		6
35	35	1	C2018-1505-1-B	-	1.0000	035F3501.D		6
36	36	1	C2018-1505-1-A	-	1.0000	036F3601.D		6
37	37	1	C2018-~~1510-1-B~~ 1505-1-B	- 99	1.0000	037F3701.D		6
38	38	1	C2018-1510-1-A	-	1.0000	038F3801.D		2
39	39	1	C2018-~~1511-1-B~~ 1510-1-B	- 99	1.0000	039F3901.D		2
40	40	1	C2018-1511-1-A	-	1.0000	040F4001.D		4
41	41	1	C2018-~~1505-1-B~~ 1511-1-B	- 99	1.0000	041F4101.D		4
42	42	1	QC-2-A	-	1.0000	042F4201.D		4
43	43	1	QC-2-B	-	1.0000	043F4301.D		4
44	44	1	ISTD BLANK	-	1.0000	044F4401.D		2
45	45	1	C2018-1454-1-A	-	1.0000	045F4501.D		2
46	46	1	ISTD BLANK	-	1.0000	046F4601.D		2

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_02.08.2018_04.00.31\8-2-2018.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	C2018-1525-1-A	-	1.0000	047F4701.D		2
48	48	1	ISTD BLANK	-	1.0000	048F4801.D		2
49	49	1	water	-	1.0000	049F4901.D		0

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, August 02, 2018 2:06:46 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

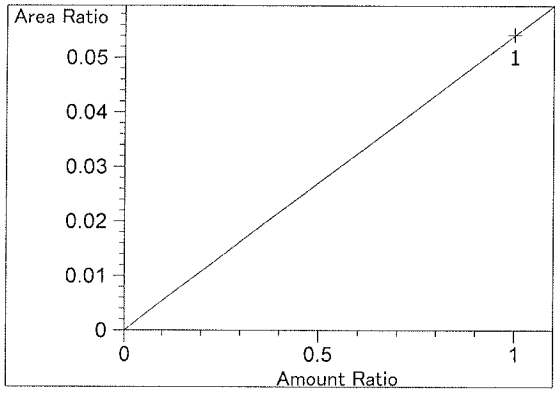
97

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	8.39977	5.95254e-3	No	No	1	Ethanol
		2	1.00000e-1	16.92489	5.90846e-3				
		3	2.00000e-1	33.73718	5.92818e-3				
		4	3.00000e-1	51.68620	5.80426e-3				
		5	5.00000e-1	85.79845	5.82761e-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	8.39622	5.95506e-3	No	No	2	Ethanol
		2	1.00000e-1	16.89034	5.92054e-3				
		3	2.00000e-1	33.66010	5.94175e-3				
		4	3.00000e-1	51.79897	5.79162e-3				
		5	5.00000e-1	85.82817	5.82559e-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	93.25887	1.07228e-2	No	Yes	1	n-Propanol
		2	1.00000	94.79370	1.05492e-2				
		3	1.00000	94.11018	1.06258e-2				
		4	1.00000	95.70208	1.04491e-2				
		5	1.00000	95.76163	1.04426e-2				
7.613	2	1	1.00000	92.47140	1.08142e-2	No	Yes	2	n-Propanol
		2	1.00000	93.58947	1.06850e-2				
		3	1.00000	92.46433	1.08150e-2				
		4	1.00000	94.02006	1.06360e-2				
		5	1.00000	94.08681	1.06285e-2				

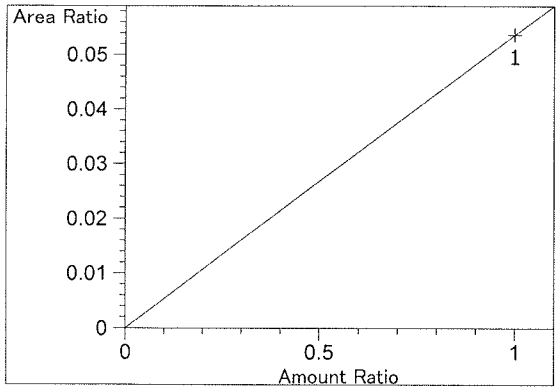
Peak Sum Table

No Entries in table

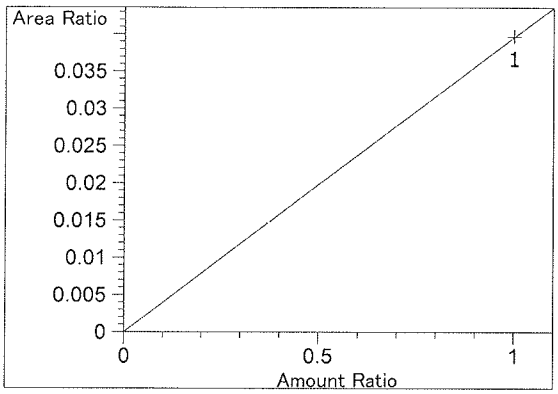
Calibration Curves



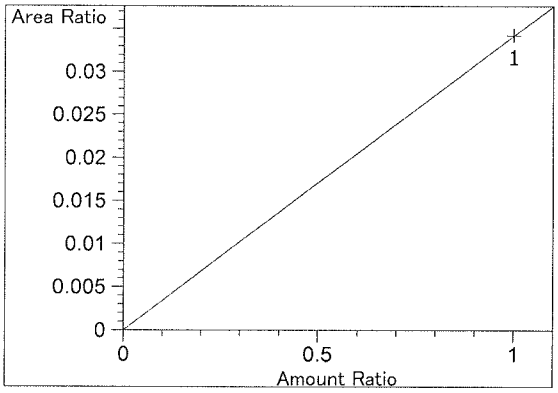
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.40708e-2
x: Amount Ratio
y: Area Ratio



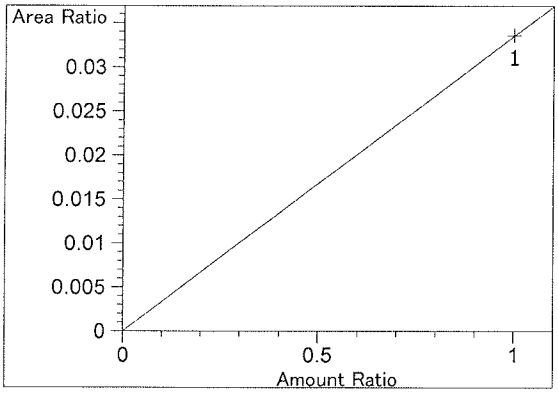
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.36142e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.96391e-2
x: Amount Ratio
y: Area Ratio

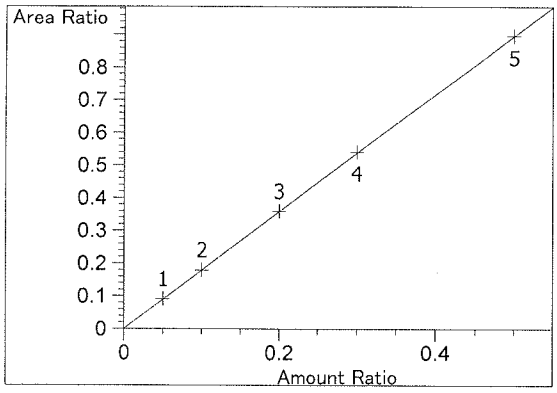


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.42392e-2
x: Amount Ratio
y: Area Ratio

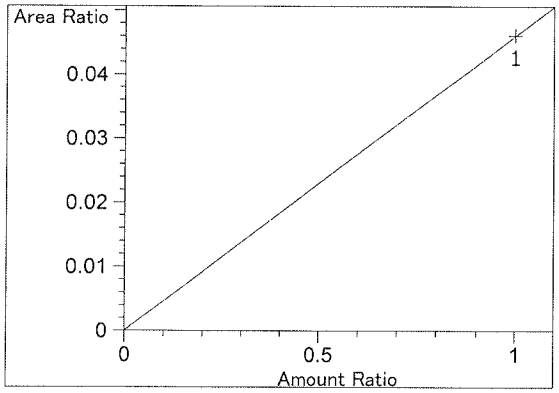


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.35861e-2
x: Amount Ratio
y: Area Ratio

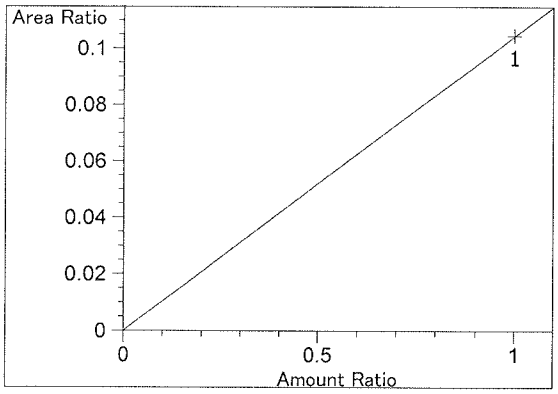
99



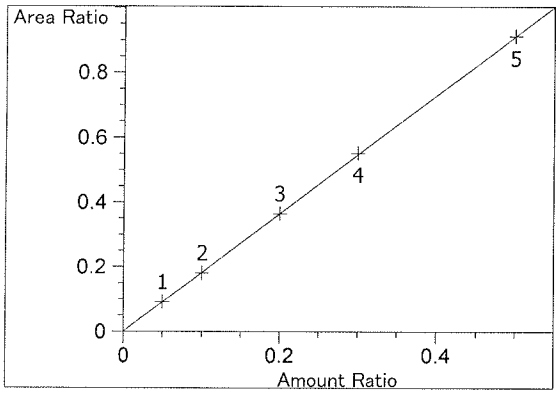
Ethanol at exp. RT: 3.105
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00118
Formula: y = mx
m: 1.79377
x: Amount Ratio
y: Area Ratio



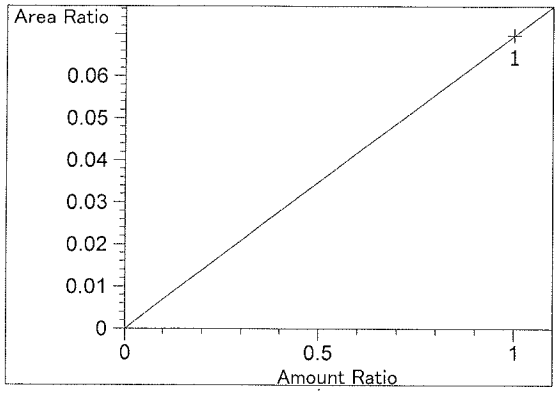
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.60751e-2
x: Amount Ratio
y: Area Ratio



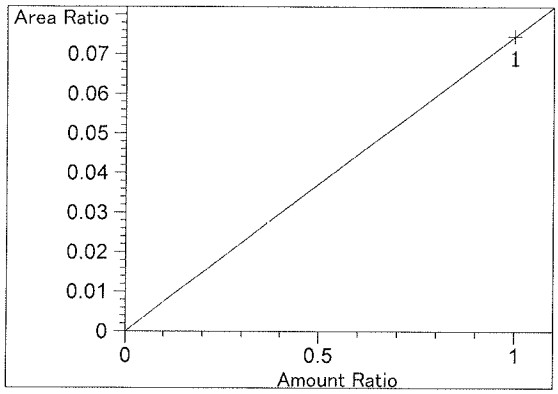
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.04339e-1
x: Amount Ratio
y: Area Ratio



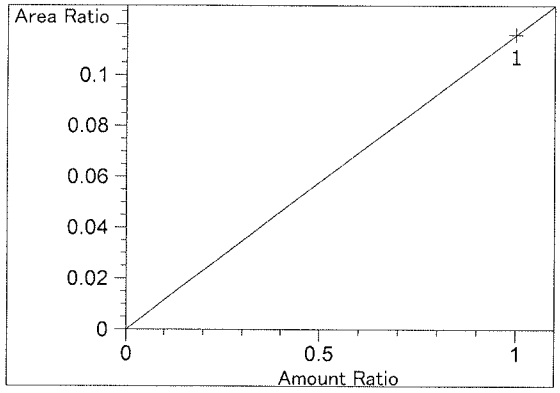
Ethanol at exp. RT: 4.176
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00203
Formula: y = mx
m: 1.82621
x: Amount Ratio
y: Area Ratio



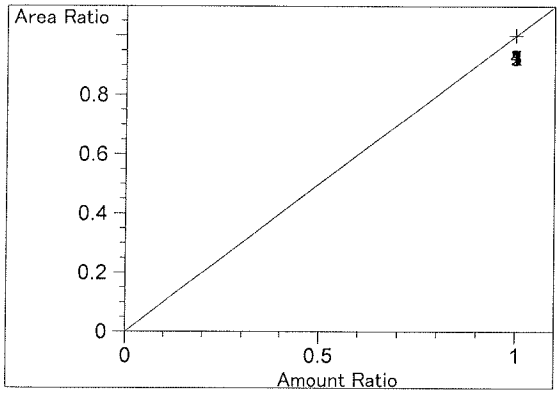
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.96920e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.45421e-2
x: Amount Ratio
y: Area Ratio

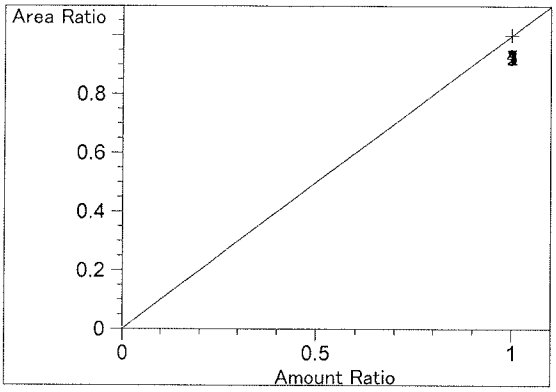


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.15781e-1
x: Amount Ratio
y: Area Ratio



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

97



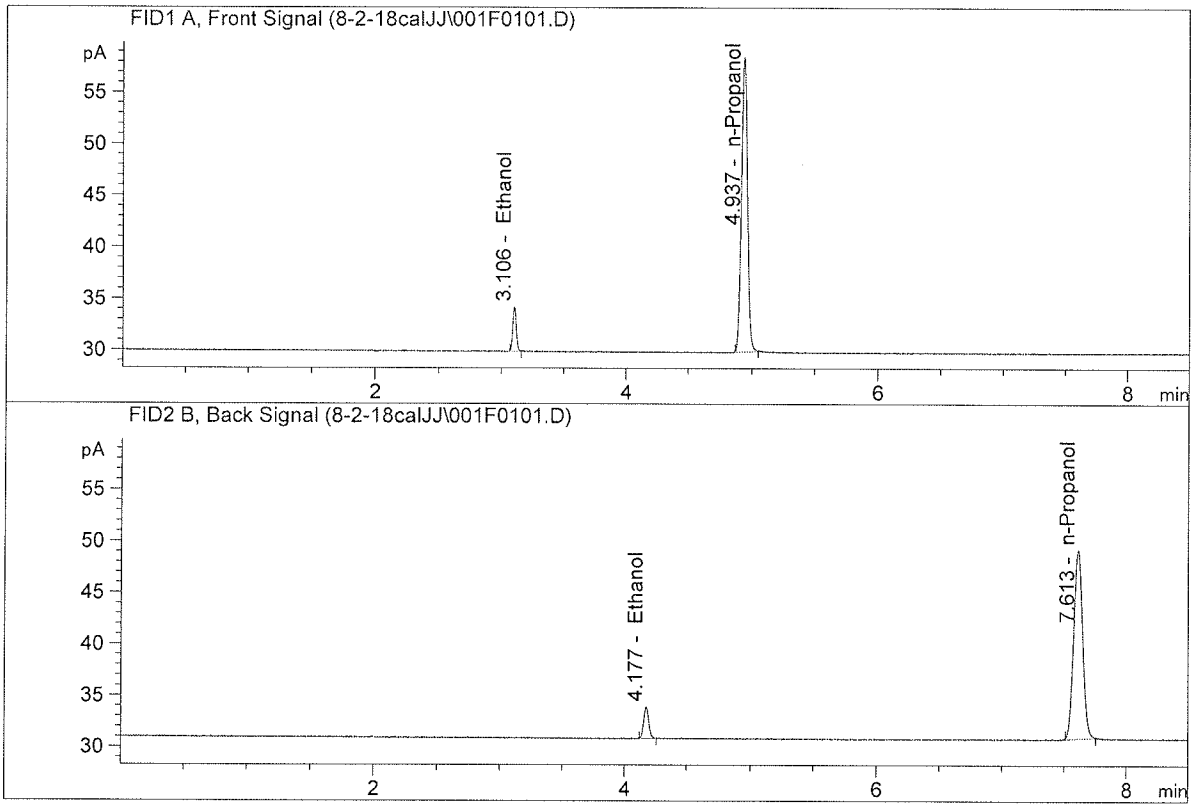
n-Propanol at exp. RT: 7.613
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

99

ISP Forensic Services Blood Alcohol Report

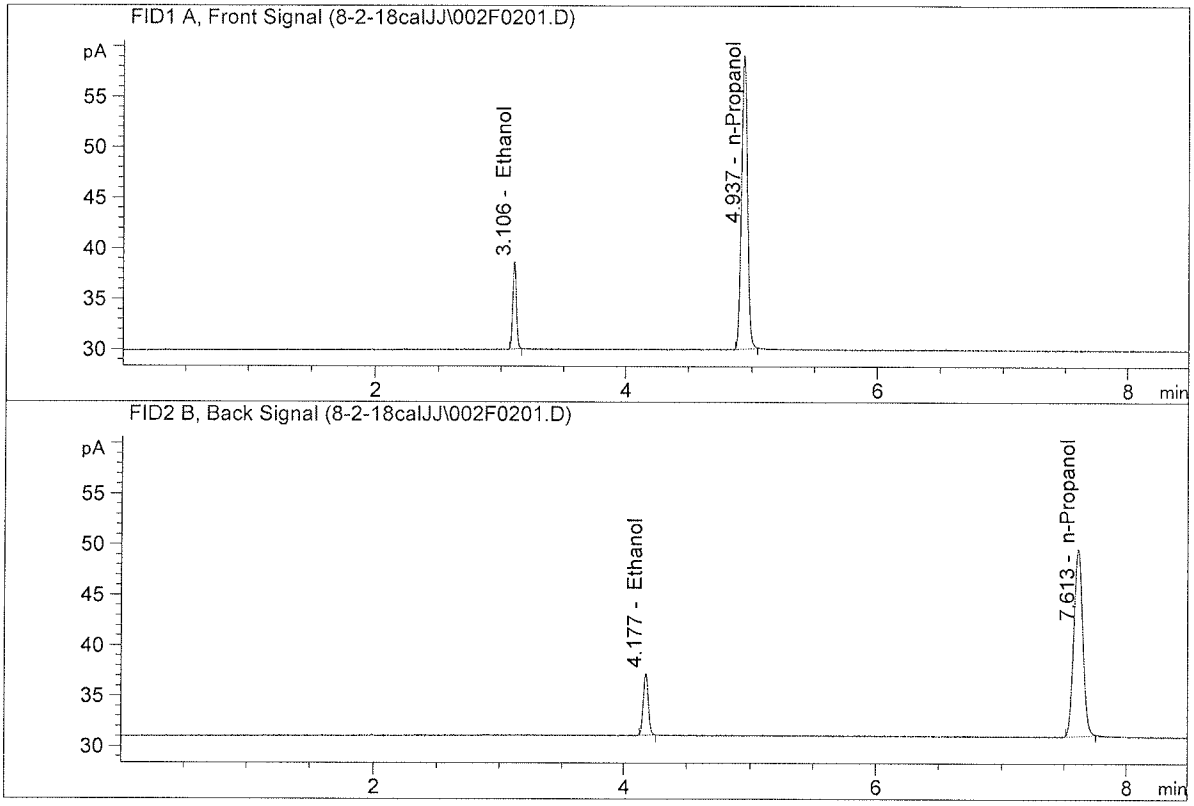
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.39977	0.0502	g/100cc
2.	Ethanol	Column 2:	8.39622	0.0497	g/100cc
3.	n-Propanol	Column 1:	93.25887	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.47140	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

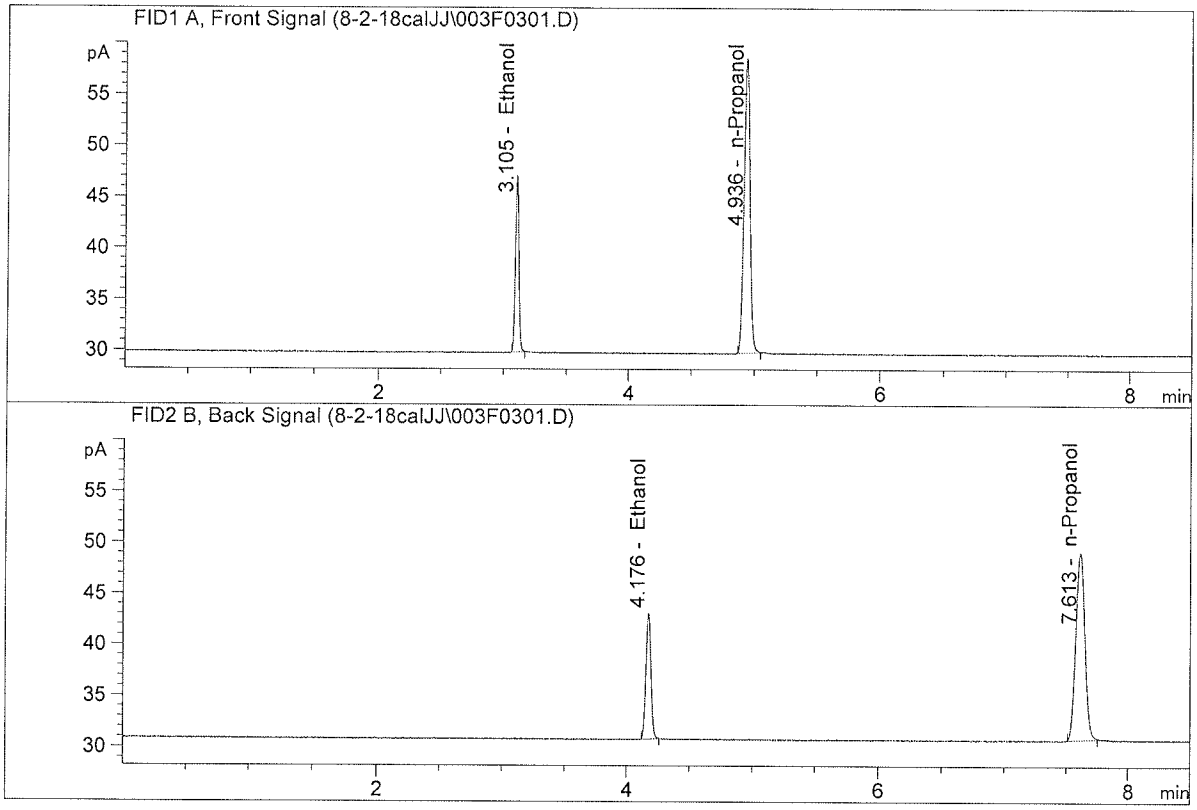
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.92489	0.0995	g/100cc
2.	Ethanol	Column 2:	16.89034	0.0988	g/100cc
3.	n-Propanol	Column 1:	94.79370	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.58947	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

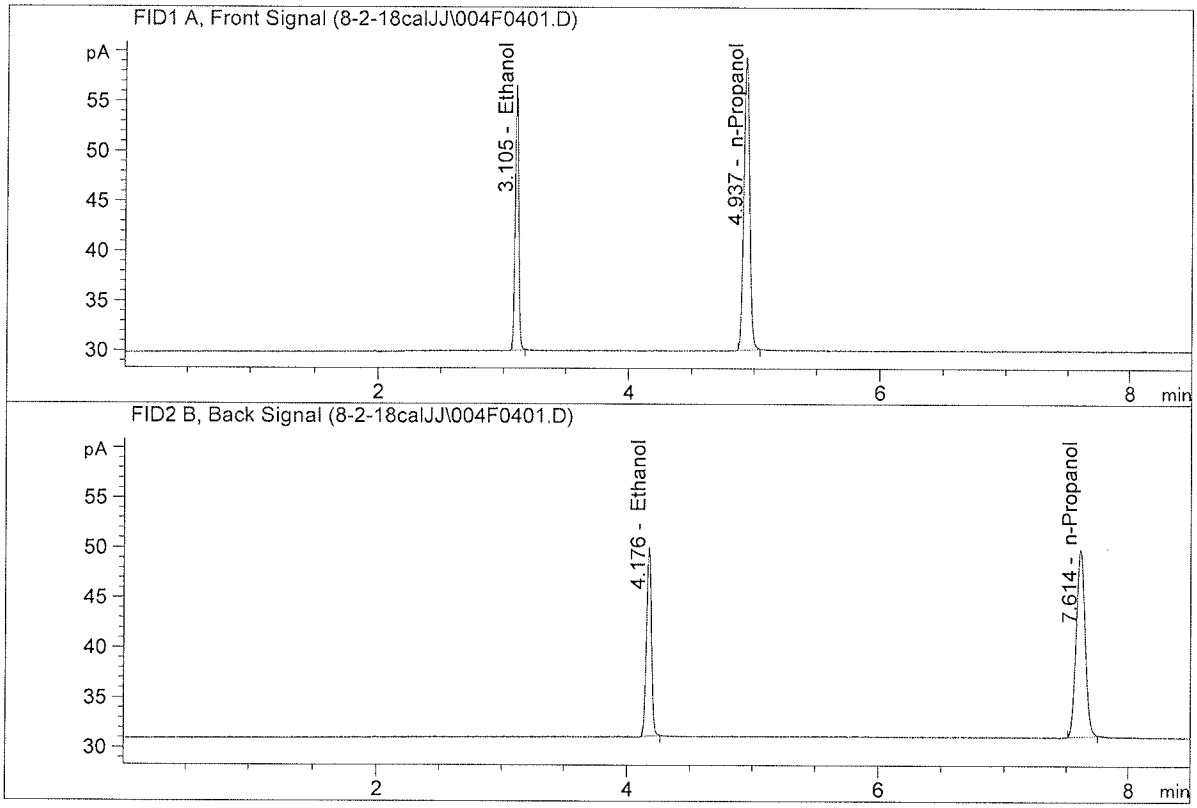


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.73718	0.1999	g/100cc
2.	Ethanol	Column 2:	33.66010	0.1993	g/100cc
3.	n-Propanol	Column 1:	94.11018	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.46433	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

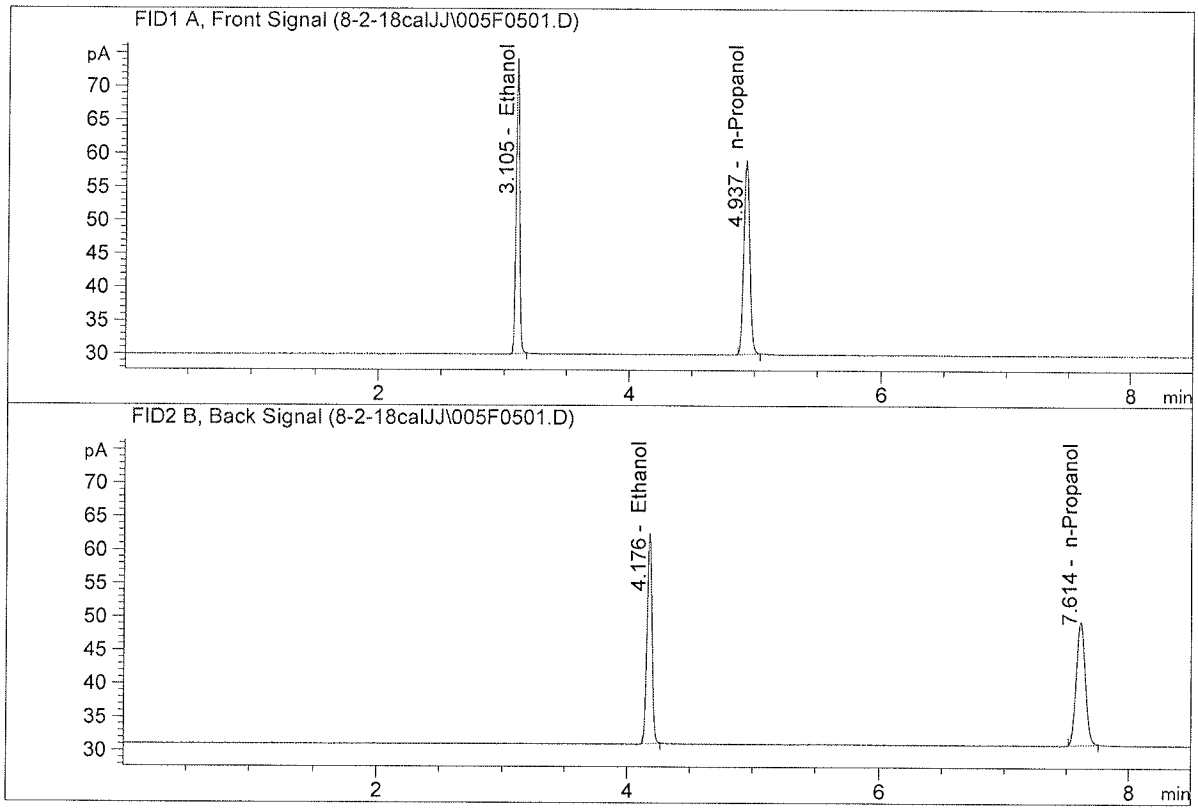


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.68620	0.3011	g/100cc
2.	Ethanol	Column 2:	51.79897	0.3017	g/100cc
3.	n-Propanol	Column 1:	95.70208	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.02006	1.0000	g/100cc

91

ISP Forensic Services Blood Alcohol Report

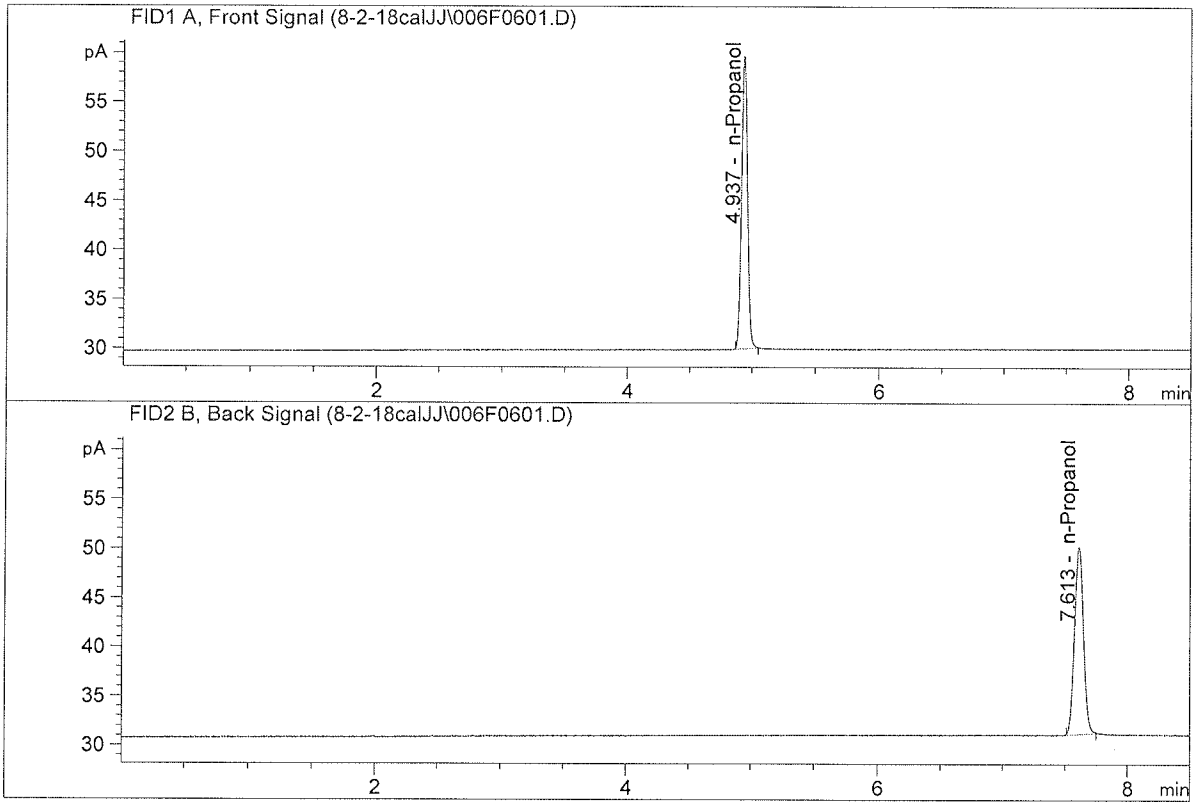
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	85.79845	0.5058	g/100cc
2.	Ethanol	Column 2:	85.82817	0.5063	g/100cc
3.	n-Propanol	Column 1:	94.56126	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.83036	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

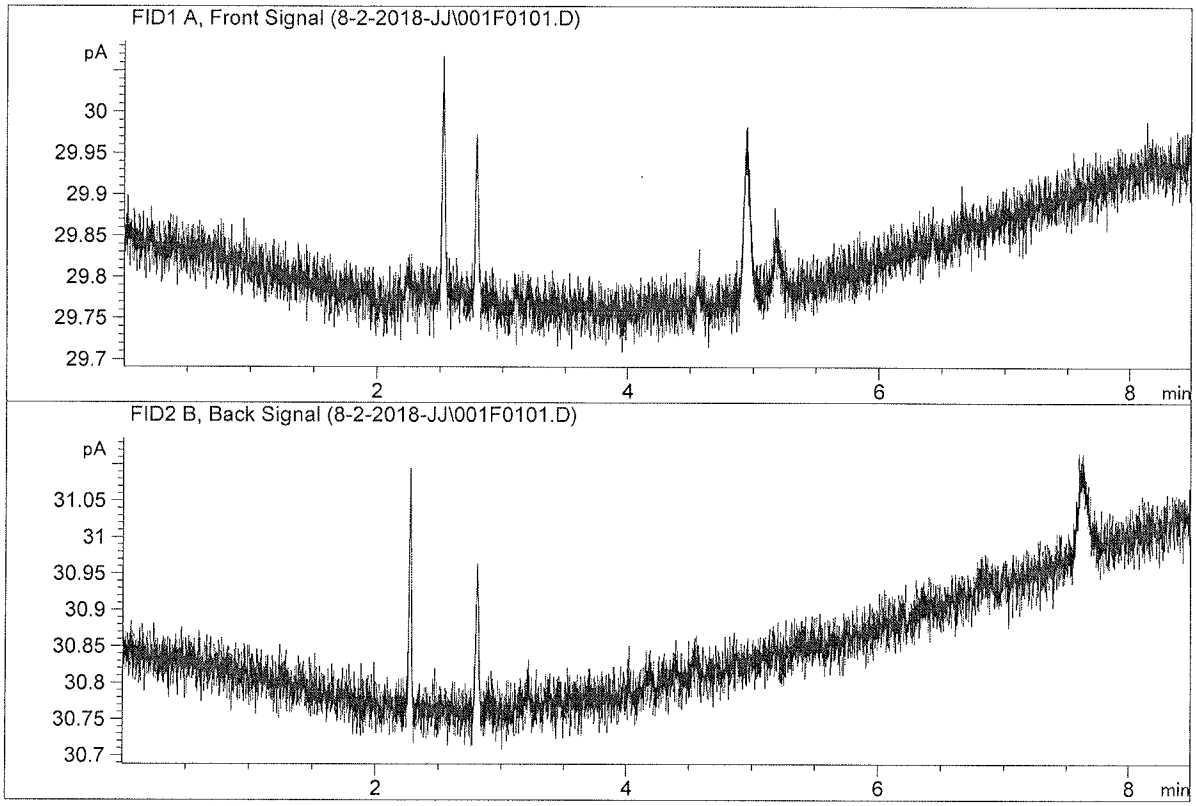


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	97.05000	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.57619	1.0000	g/100cc

97

ISP Forensic Services Blood Alcohol Report

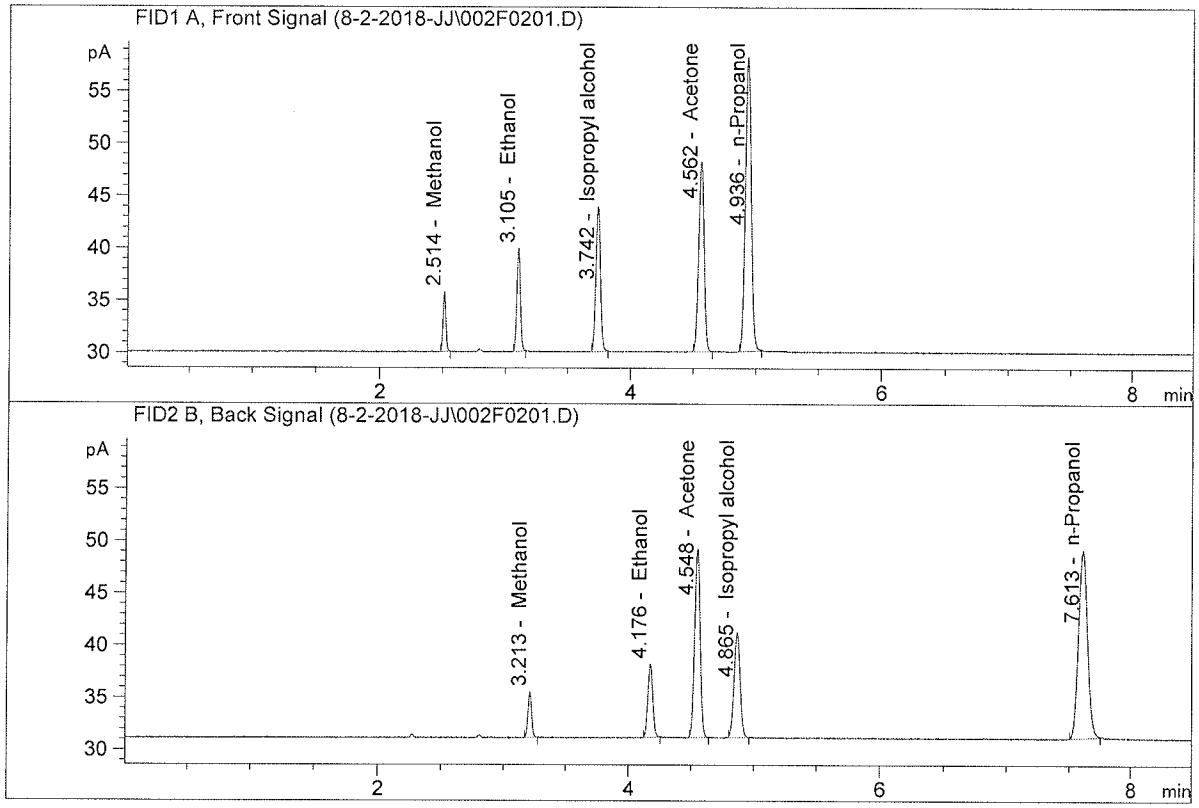
Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 2, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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

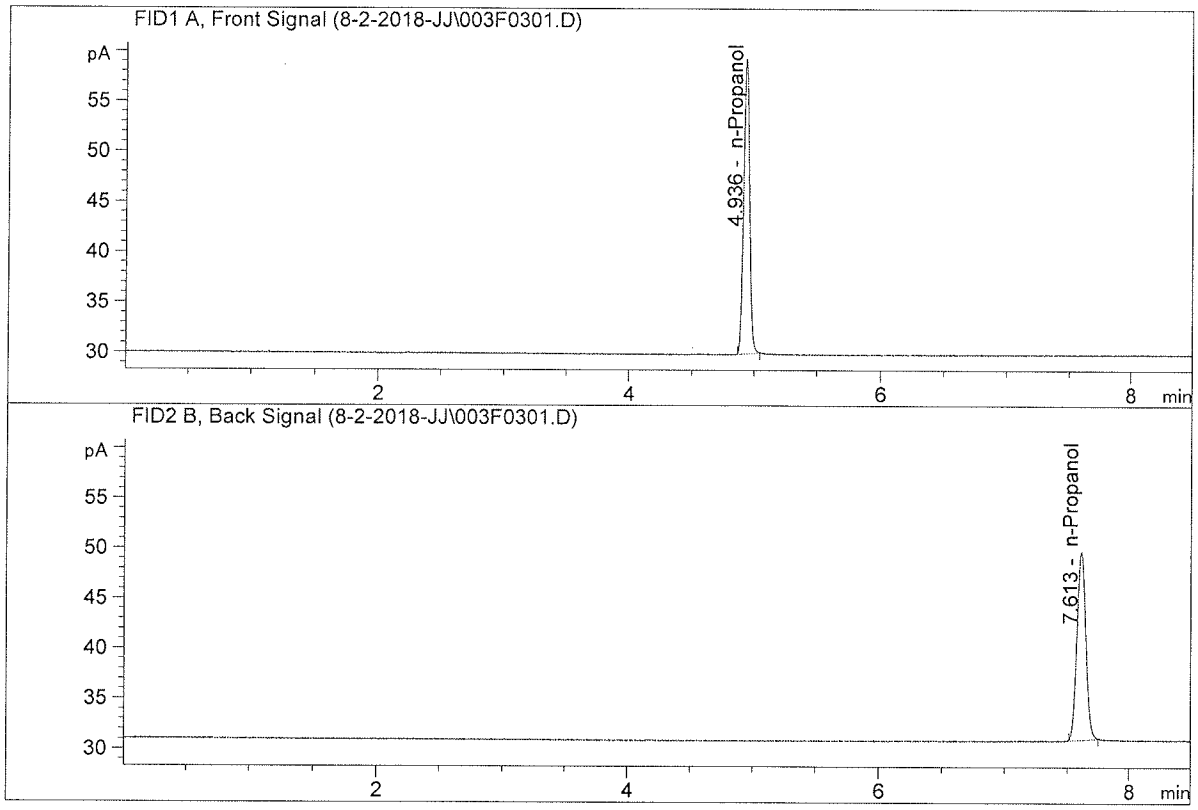
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.29133	0.1170	g/100cc
2.	Ethanol	Column 2:	19.35747	0.1171	g/100cc
3.	n-Propanol	Column 1:	91.89335	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.53941	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 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:	95.91656	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.38487	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 02 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1995	0.1987	0.0008	0.1991	0.1997	
(g/100cc)	0.2005	0.2002	0.0003	0.2003		

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%**

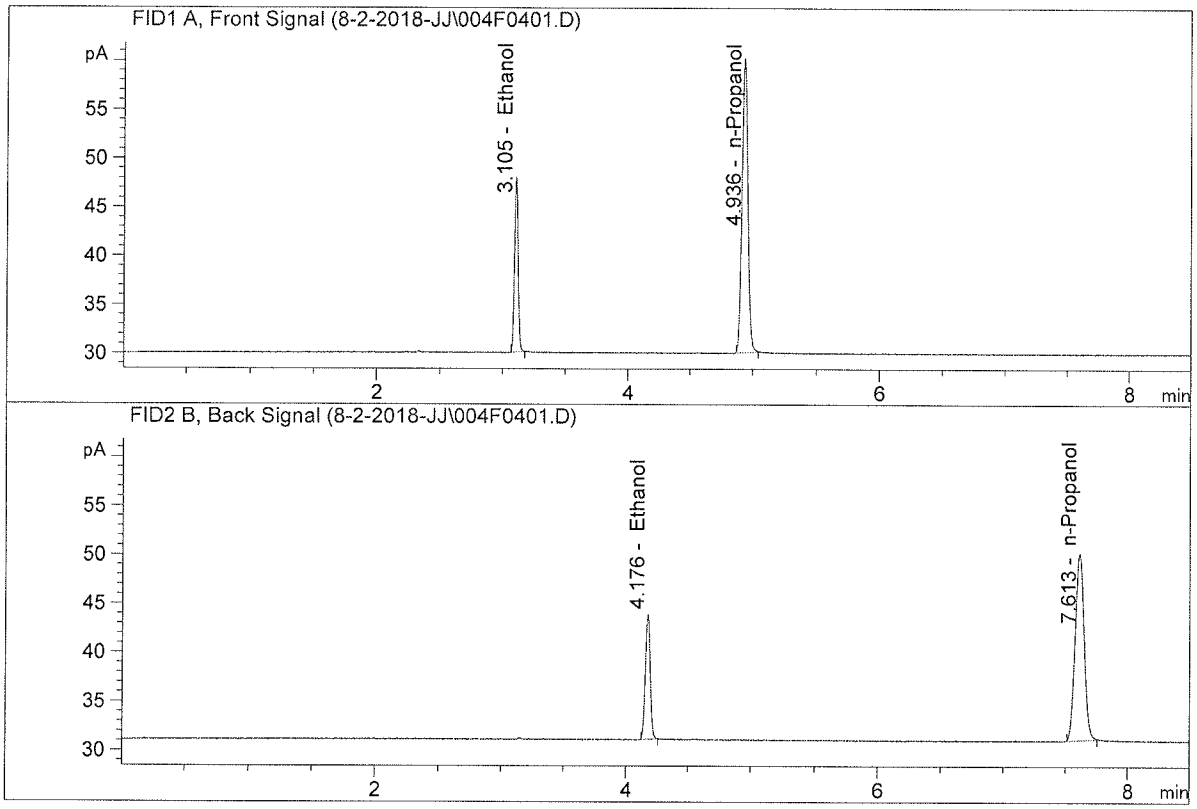
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

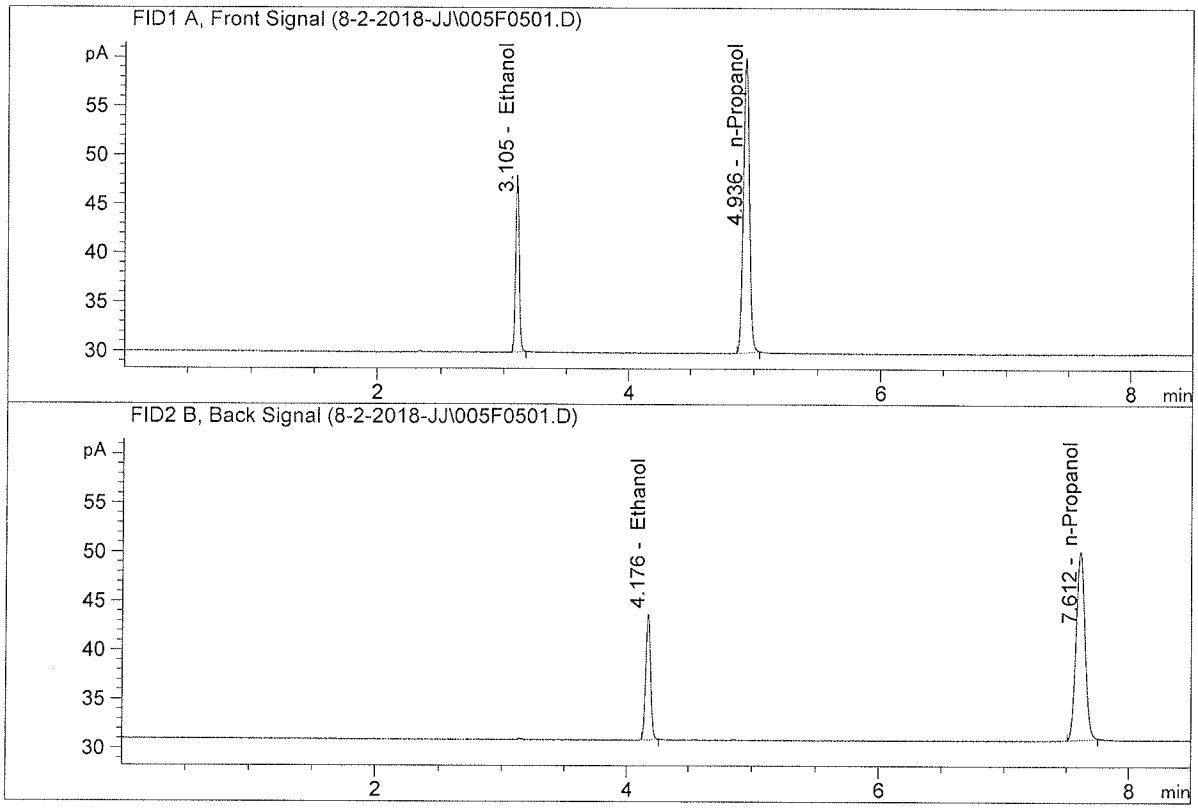
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.15923	0.1995	g/100cc
2.	Ethanol	Column 2:	35.08727	0.1987	g/100cc
3.	n-Propanol	Column 1:	98.22714	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.71259	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.32872	0.2005	g/100cc
2.	Ethanol	Column 2:	35.31824	0.2002	g/100cc
3.	n-Propanol	Column 1:	98.23816	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.58898	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 02 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0807	0.0801	0.0006	0.0804	0.0805	
(g/100cc)	0.0806	0.0808	0.0002	0.0807		

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**

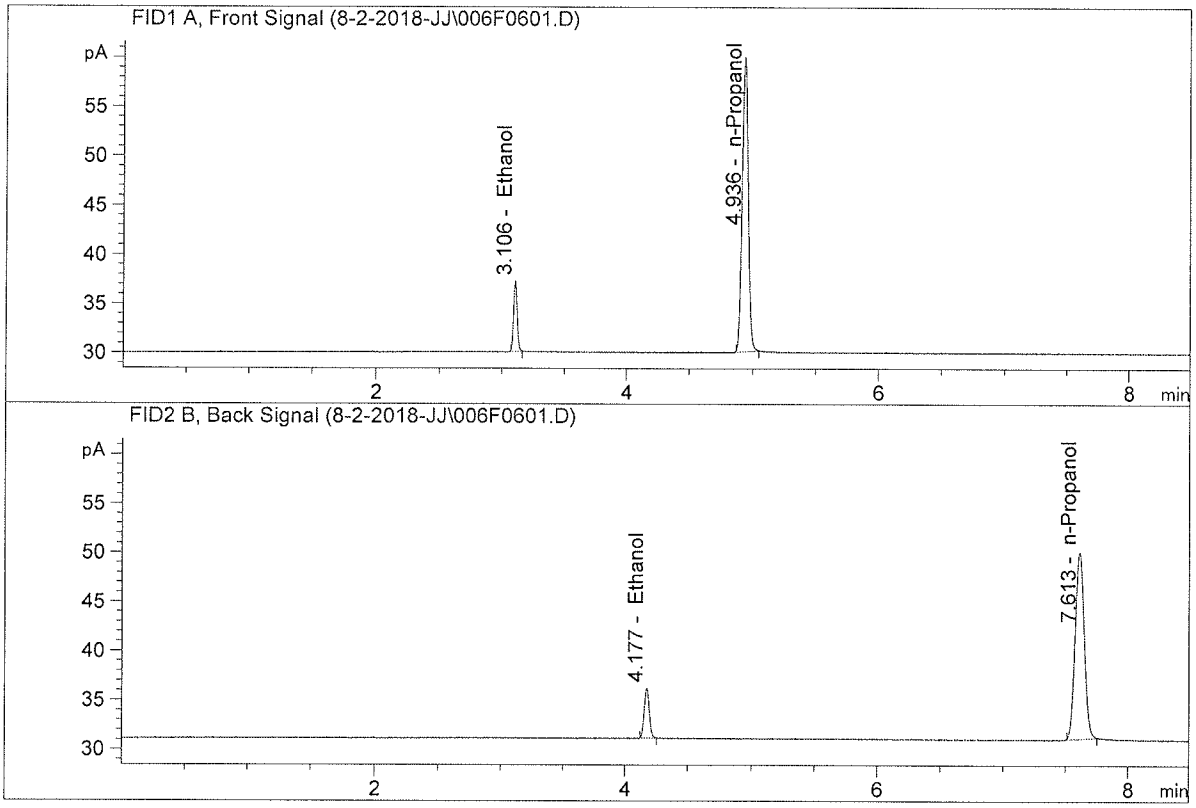
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

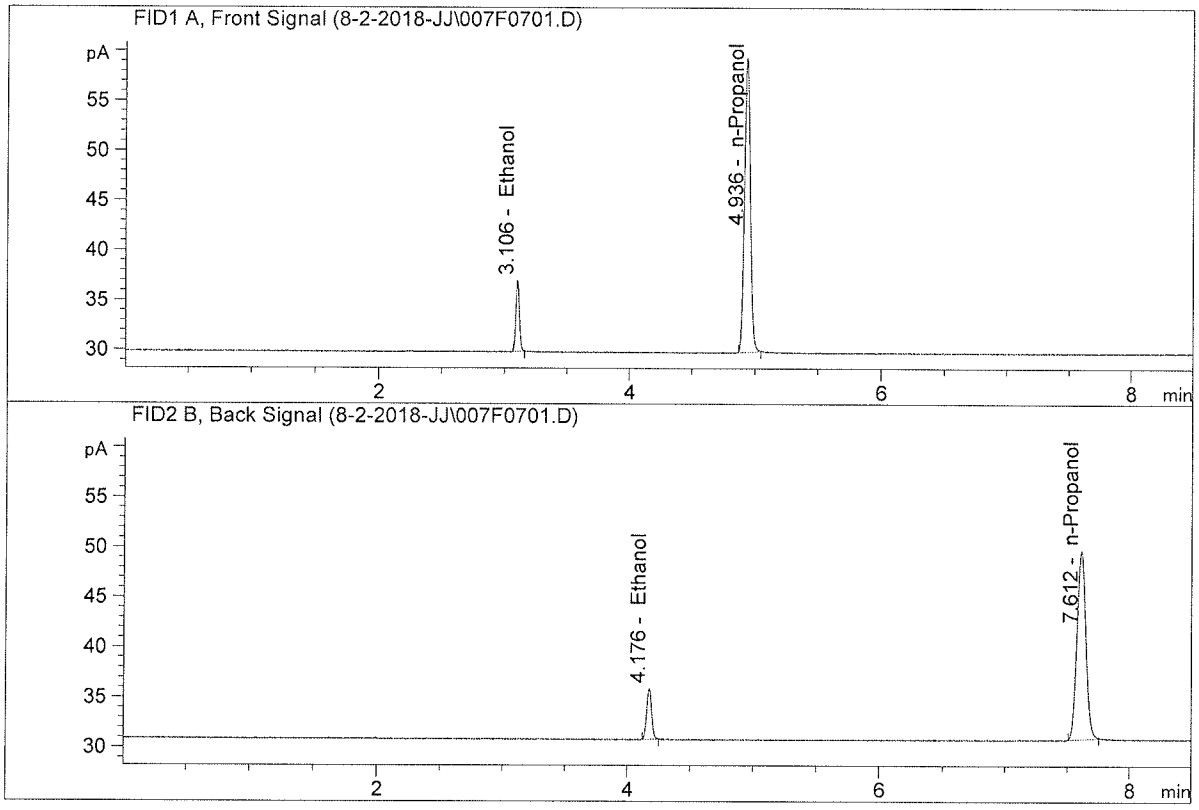
Sample Name : 0.08 FN10281510-A
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.12397	0.0807	g/100cc
2.	Ethanol	Column 2:	14.04541	0.0801	g/100cc
3.	n-Propanol	Column 1:	97.59540	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.97281	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.96384	0.0806	g/100cc
2.	Ethanol	Column 2:	13.97358	0.0808	g/100cc
3.	n-Propanol	Column 1:	96.53210	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.72832	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 02 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0802	0.0800	0.0002	0.0801	0.0805	
(g/100cc)	0.0810	0.0808	0.0002	0.0809		

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%**

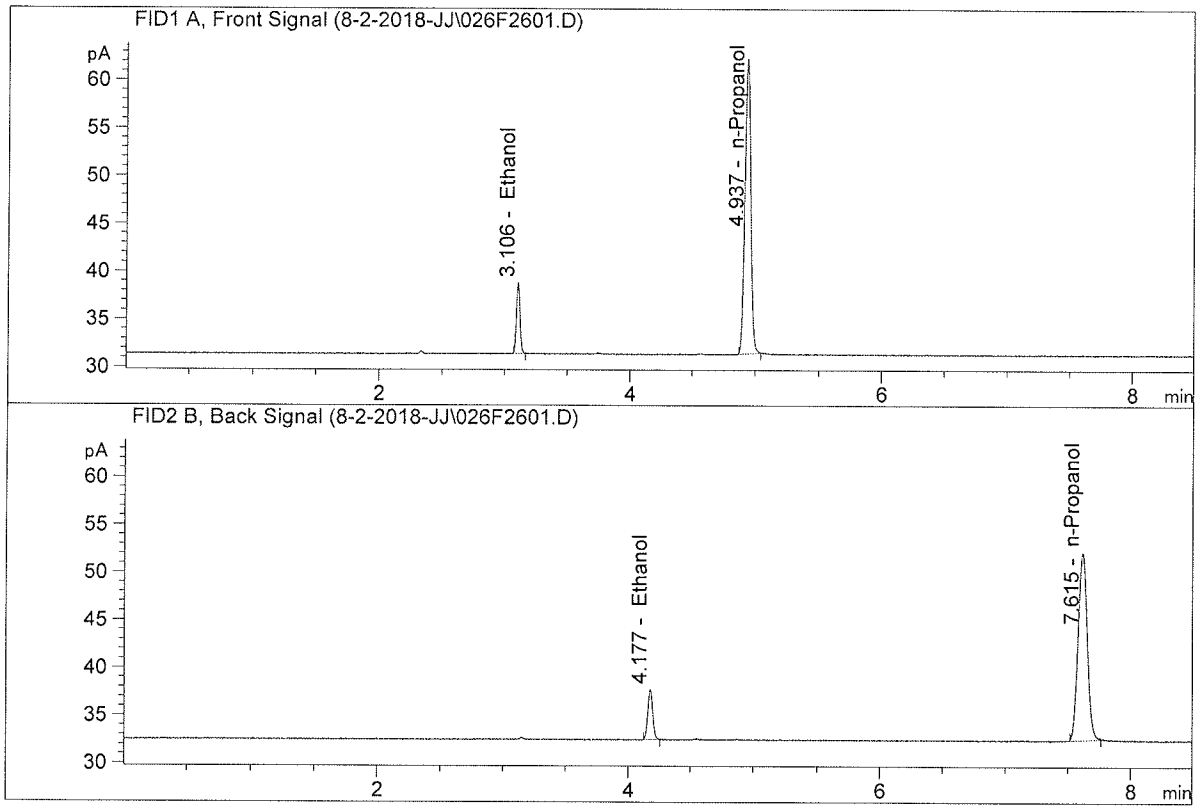
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

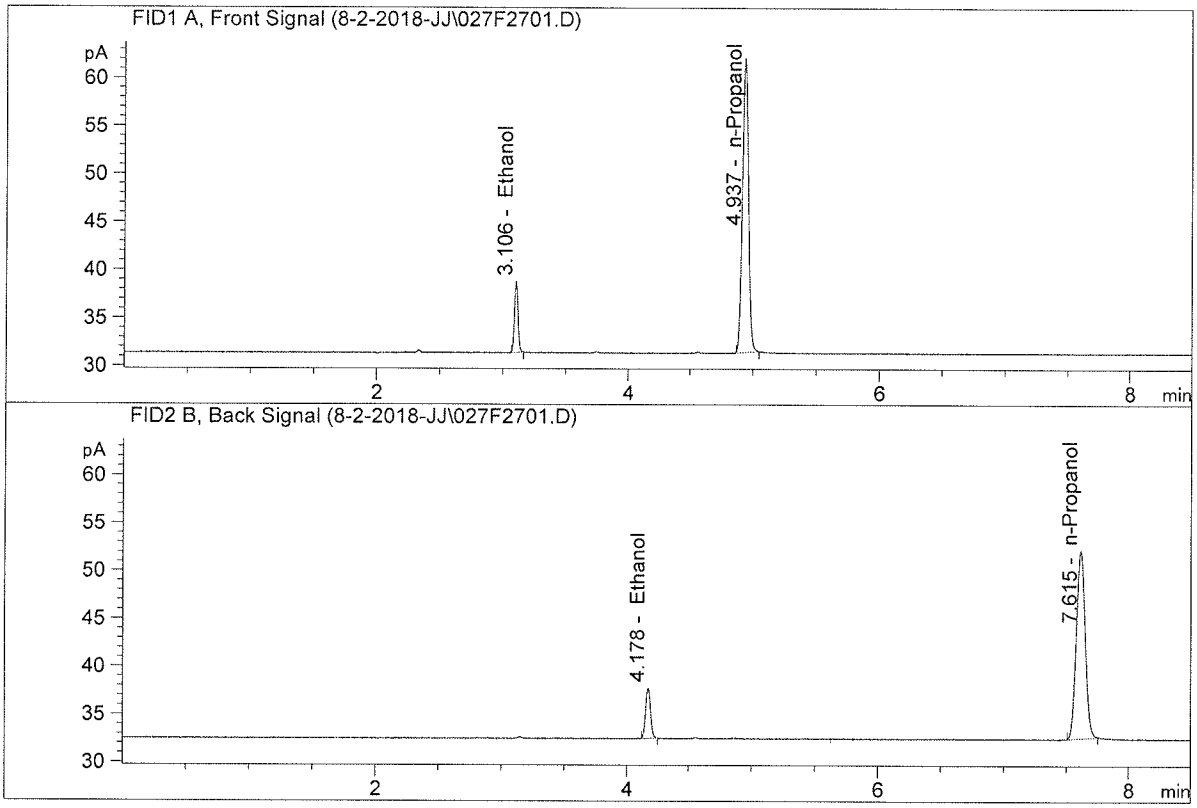


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.46733	0.0802	g/100cc
2.	Ethanol	Column 2:	14.44666	0.0800	g/100cc
3.	n-Propanol	Column 1:	100.55592	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.91628	1.0000	g/100cc

97

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.58504	0.0810	g/100cc
2.	Ethanol	Column 2:	14.52374	0.0808	g/100cc
3.	n-Propanol	Column 1:	100.32246	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.45413	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 02 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2015	0.2018	0.0003	0.2016	0.2013	
(g/100cc)	0.2007	0.2012	0.0005	0.2009		

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
0.201	**0.190**	**0.212**	**0.011**

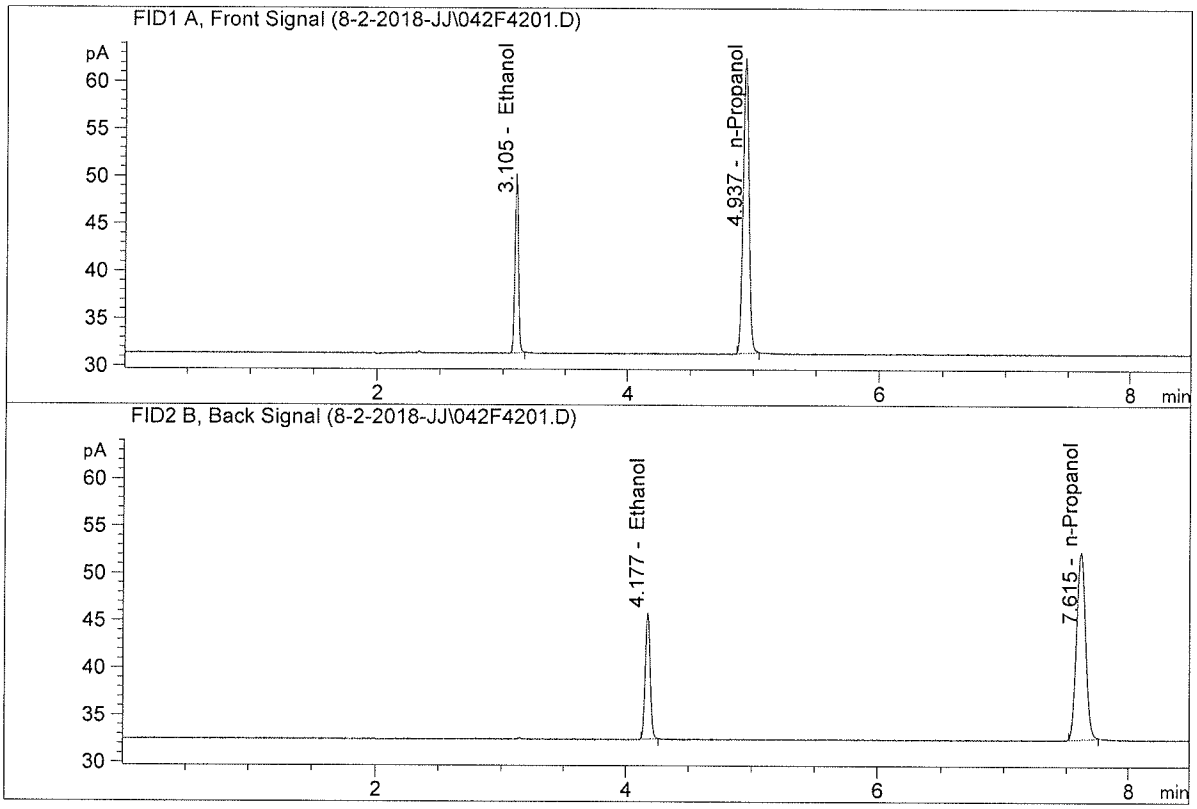
Reported Result

0.201

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

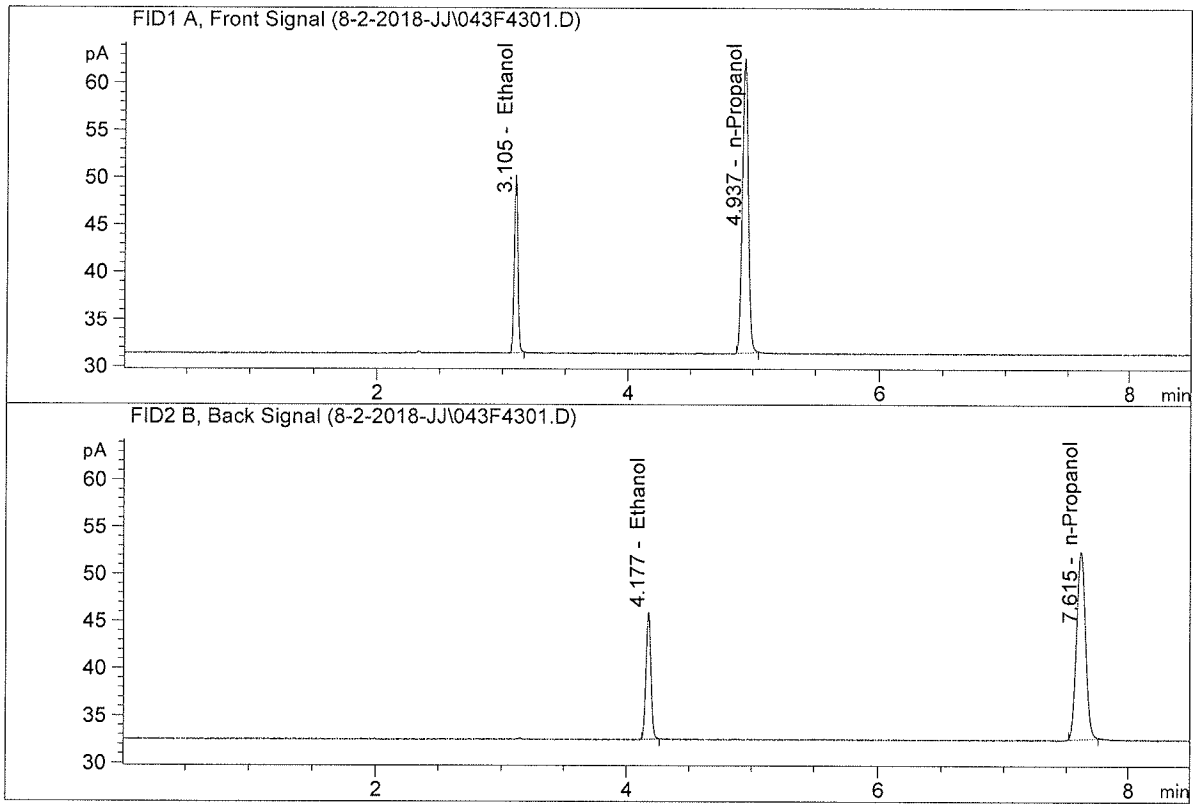
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.77398	0.2015	g/100cc
2.	Ethanol	Column 2:	36.72410	0.2018	g/100cc
3.	n-Propanol	Column 1:	101.72389	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.63137	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

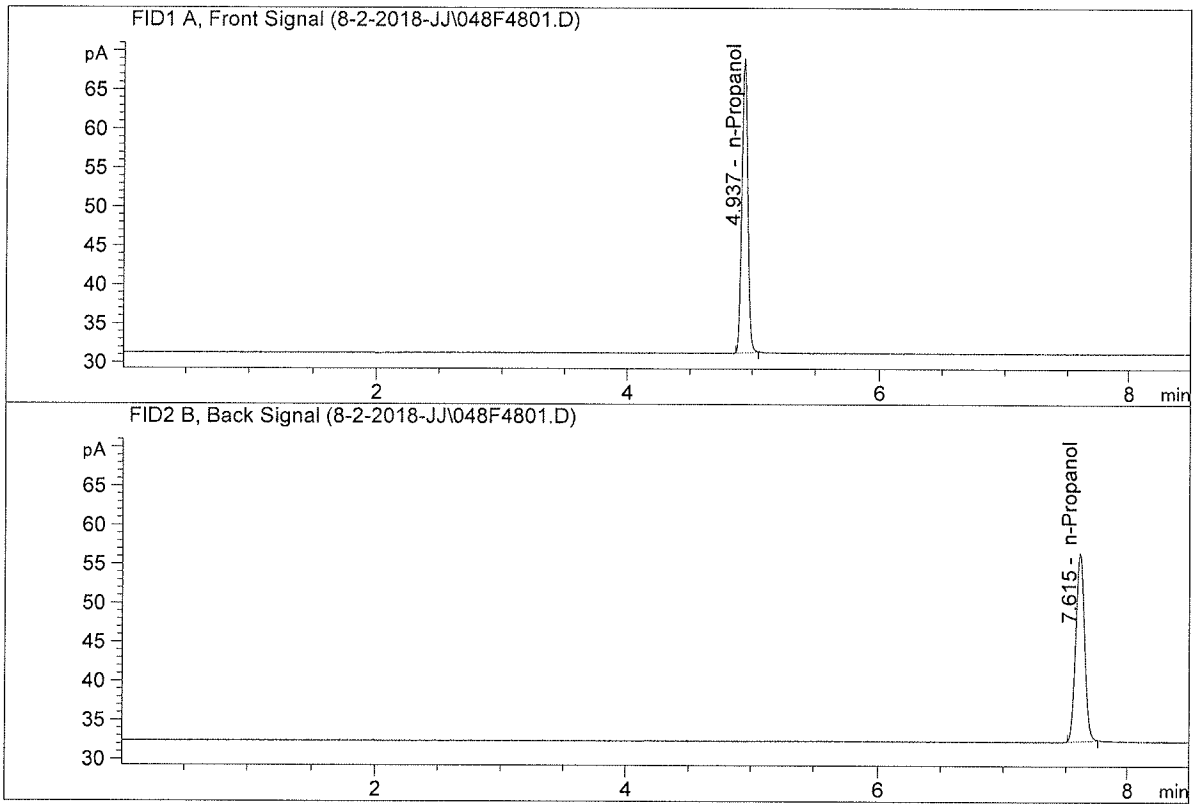
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.74956	0.2007	g/100cc
2.	Ethanol	Column 2:	36.71459	0.2012	g/100cc
3.	n-Propanol	Column 1:	102.09064	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.93266	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

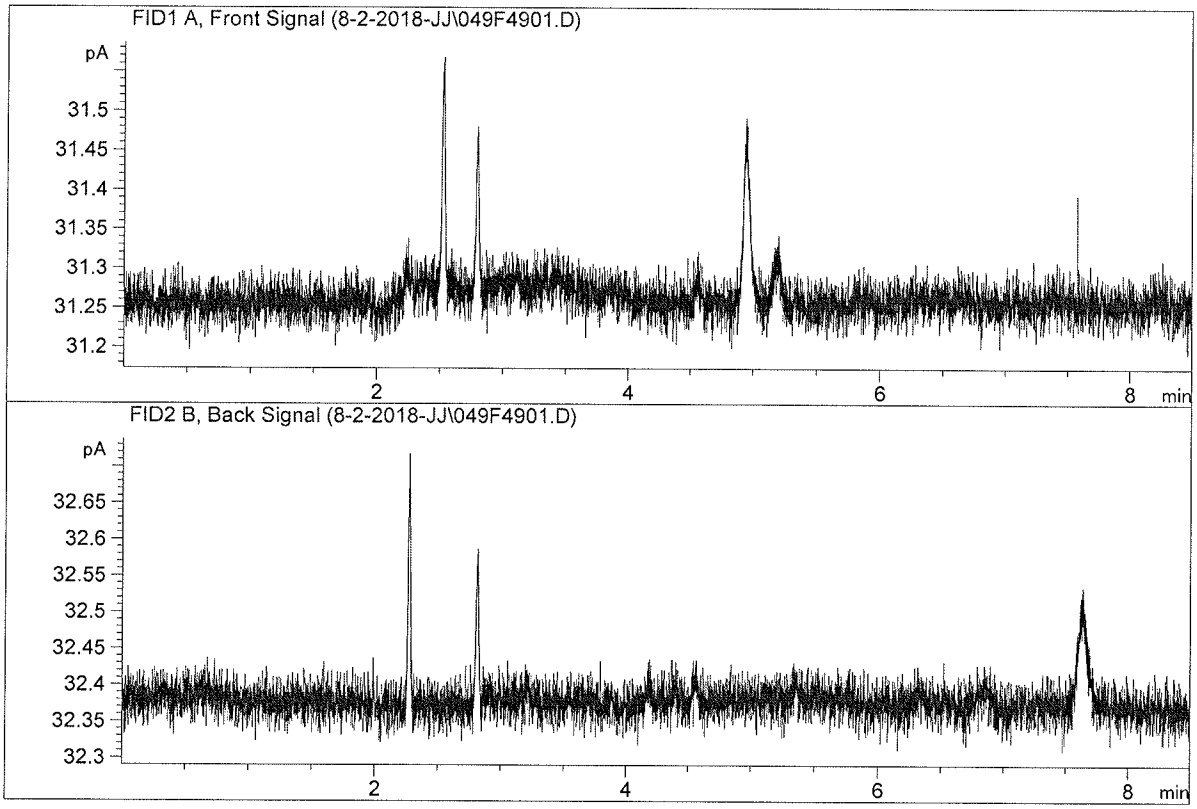
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	123.28055	1.0000	g/100cc
4.	n-Propanol	Column 2:	121.43399	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 3, 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