Worklist: 2656

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-1574	1	123570	Alcohol Analysis
C2018-1575	1	123571	Alcohol Analysis
C2018-1588	1	123772	Alcohol Analysis
C2018-1596	1	123795	Alcohol Analysis
C2018-1612	1	123916	Alcohol Analysis
C2018-1682	1	124637	Alcohol Analysis
C2018-1692	1	124769	Alcohol Analysis
C2018-1693	1	124775	Alcohol Analysis
C2018-1694	1	124778	Alcohol Analysis
C2018-1711	1	124897	Alcohol Analysis
C2018-1712	1	124900	Alcohol Analysis
C2018-1723	1	124977	Alcohol Analysis
C2018-1724	1	124980	Alcohol Analysis
C2018-1738	1	125061	Alcohol Analysis
C2018-1739	1	125062	Alcohol Analysis
C2018-1751	1	125376	Alcohol Analysis
C2018-1752	1	125377	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~~ JJ
8/24/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0788 g/100cc
					0.0807 g/100cc
					g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1975 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	0.0489	0.0006	0.0492
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0991	0.0982	0.0009	0.0986
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1992	0.1983	0.0009	0.1987
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3012	0.3003	0.0009	0.3007
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4999	0.5010	0.0011	0.5004

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	May-22	FN04171701	0.08000	0.076 - 0.084	0.081 g/100cc

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

JJ

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_24.08.2018_04.03.08\8-24-2018.S
Data directory path: C:\Chem32\1\Data\8-24-2018-JJ
Logbook: C:\Chem32\1\Data\8-24-2018-JJ\8-24-2018.LOG
Sequence start: 8/24/2018 4:16:53 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 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2018-1574-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-1574-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-1575-1-A	-	1.0000	010F1001.D		2
11	11	1	C2018-1575-1-B	-	1.0000	011F1101.D		2
12	12	1	C2018-1588-1-A	-	1.0000	012F1201.D		5
13	13	1	C2018-1588-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-1596-1-A	-	1.0000	014F1401.D		2
15	15	1	C2018-1596-1-B	-	1.0000	015F1501.D		2
16	16	1	C2018-1612-1-A	-	1.0000	016F1601.D		2
17	17	1	C2018-1612-1-B	-	1.0000	017F1701.D		2
18	18	1	C2018-1682-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-1682-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-1692-1-A	-	1.0000	020F2001.D		2
21	21	1	C2018-1692-1-B	-	1.0000	021F2101.D		2
22	22	1	C2018-1693-1-A	-	1.0000	022F2201.D		2
23	23	1	C2018-1693-1-B	-	1.0000	023F2301.D		2
24	24	1	C2018-1694-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-1694-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2018-1711-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-1711-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-1712-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-1712-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-1723-1-A	-	1.0000	032F3201.D		4
33	33	1	C2018-1723-1-B	-	1.0000	033F3301.D		4
34	34	1	C2018-1724-1-A	-	1.0000	034F3401.D		2
35	35	1	C2018-1724-1-B	-	1.0000	035F3501.D		2
36	36	1	C2018-1738-1-A	-	1.0000	036F3601.D		2
37	37	1	C2018-1738-1-B	-	1.0000	037F3701.D		2
38	38	1	C2018-1739-1-A	-	1.0000	038F3801.D		4
39	39	1	C2018-1739-1-B	-	1.0000	039F3901.D		4
40	40	1	C2018-1751-1-A	-	1.0000	040F4001.D		4
41	41	1	C2018-1751-1-B	-	1.0000	041F4101.D		4
42	42	1	C2018-1752-1-A	-	1.0000	042F4201.D		4
43	43	1	C2018-1752-1-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_24.08.2018_04.03.08\8-24-2018.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

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Calibration Table

General Calibration Setting

Calib. Data Modified : Friday, August 24, 2018 3:13:51 PM ✓
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Forced
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-Propanol
2	1.00000	n-Propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

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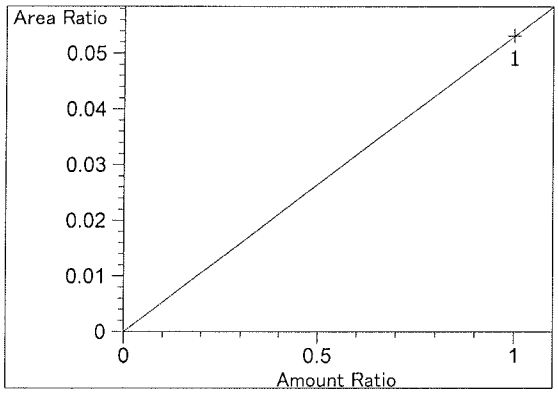
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.105	1	1	5.00000e-2	8.59590	5.81672e-3	No	No	1	Ethanol
		2	1.00000e-1	17.59534	5.68332e-3				
		3	2.00000e-1	34.87433	5.73488e-3				
		4	3.00000e-1	52.59850	5.70358e-3				
		5	5.00000e-1	87.09547	5.74083e-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	8.58320	5.82534e-3	No	No	2	Ethanol
		2	1.00000e-1	17.55935	5.69497e-3				
		3	2.00000e-1	34.80719	5.74594e-3				
		4	3.00000e-1	52.54598	5.70929e-3				
		5	5.00000e-1	87.12742	5.73872e-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	95.11187	1.05139e-2	No	Yes	1	n-Propanol
		2	1.00000	97.24590	1.02832e-2				
		3	1.00000	95.83653	1.04344e-2				
		4	1.00000	95.61269	1.04589e-2				
		5	1.00000	95.38827	1.04835e-2				
7.614	2	1	1.00000	94.16016	1.06202e-2	No	Yes	2	n-Propanol
		2	1.00000	95.95084	1.04220e-2				
		3	1.00000	94.16950	1.06191e-2				
		4	1.00000	93.86506	1.06536e-2				
		5	1.00000	93.30717	1.07173e-2				

Peak Sum Table

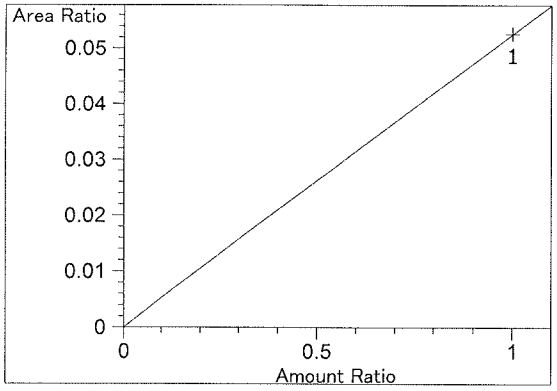
No Entries in table

Calibration Curves

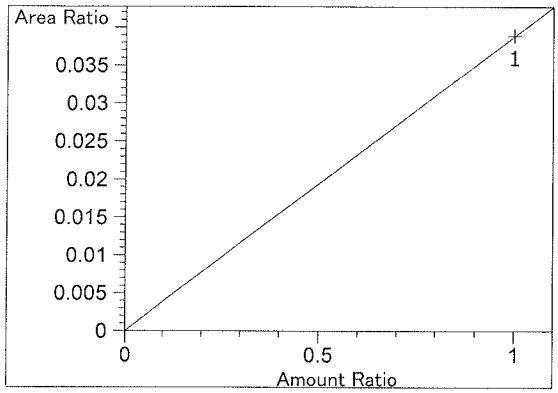


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.31010e-2
x: Amount Ratio
y: Area Ratio

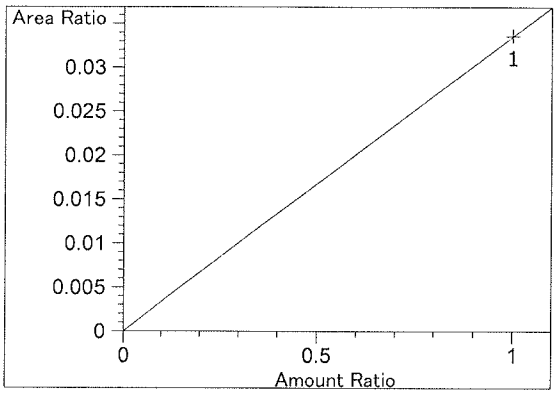
99



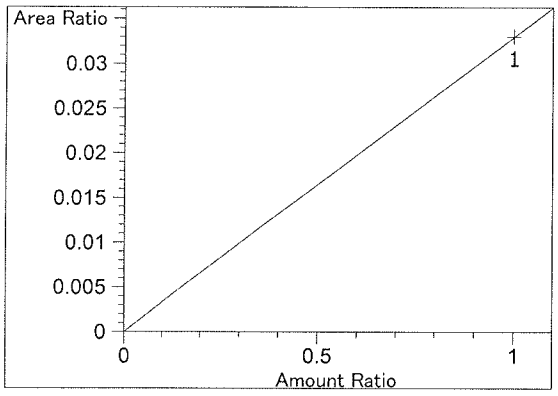
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.25697e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.88668e-2
x: Amount Ratio
y: Area Ratio

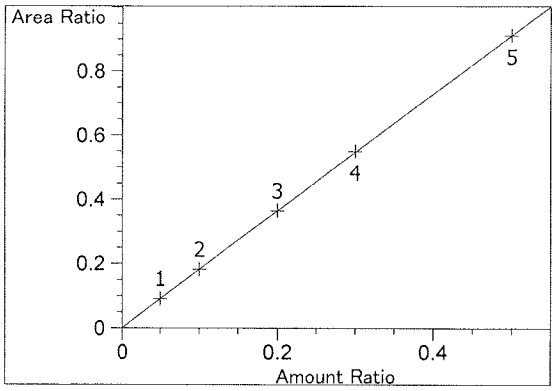


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.35722e-2
x: Amount Ratio
y: Area Ratio

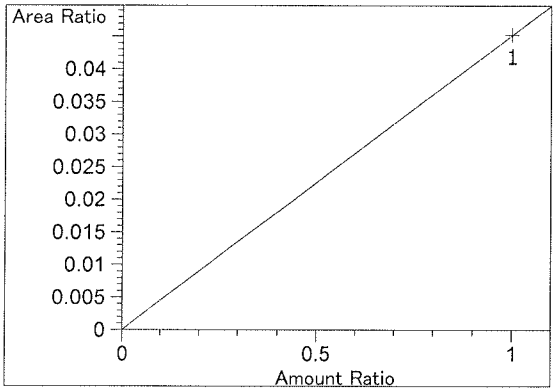


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.29837e-2
x: Amount Ratio
y: Area Ratio

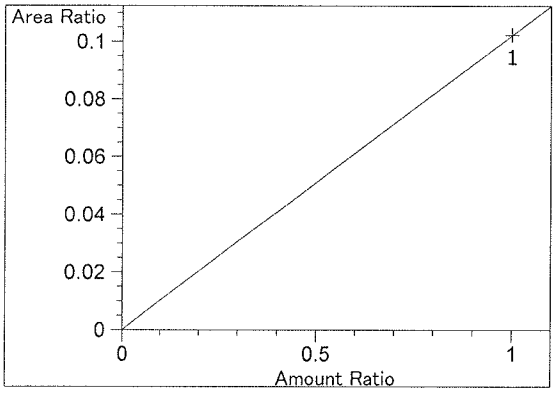
99



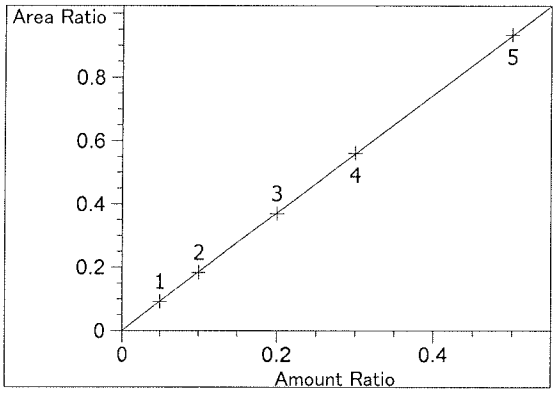
Ethanol at exp. RT: 3.105
FID1 A, Front Signal
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00162
Formula: y = mx
m: 1.82665
x: Amount Ratio
y: Area Ratio



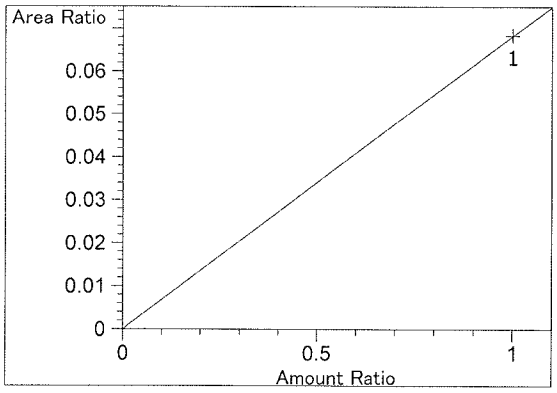
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.52487e-2
x: Amount Ratio
y: Area Ratio



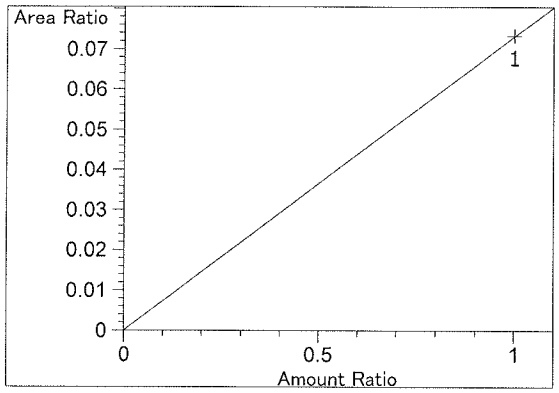
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.02306e-1
x: Amount Ratio
y: Area Ratio



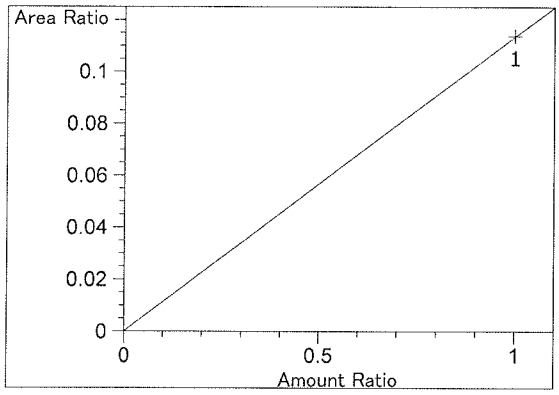
Ethanol at exp. RT: 4.176
FID2 B, Back Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00271
Formula: y = mx
m: 1.86397
x: Amount Ratio
y: Area Ratio



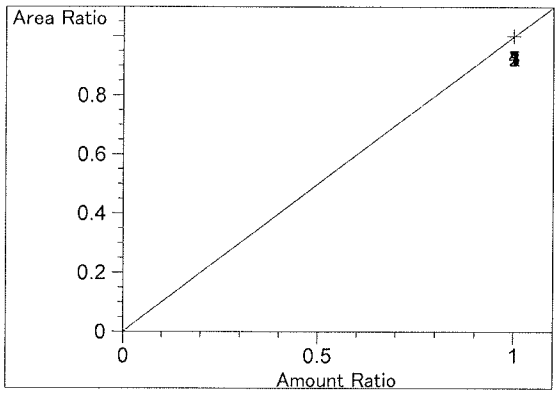
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.83343e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.32052e-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: 1.13704e-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

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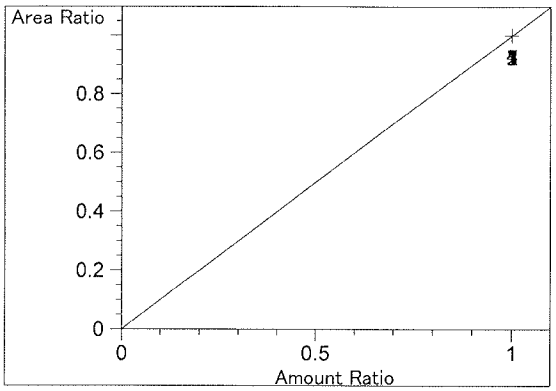

n-Propanol at exp. RT: 7.614
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_24.08.2018_12.54.30\8-24-18cal.S
Data directory path: C:\Chem32\1\Data\8-24-18calJJ
Logbook: C:\Chem32\1\Data\8-24-18calJJ\8-24-18cal.LOG
Sequence start: 8/24/2018 1:08:13 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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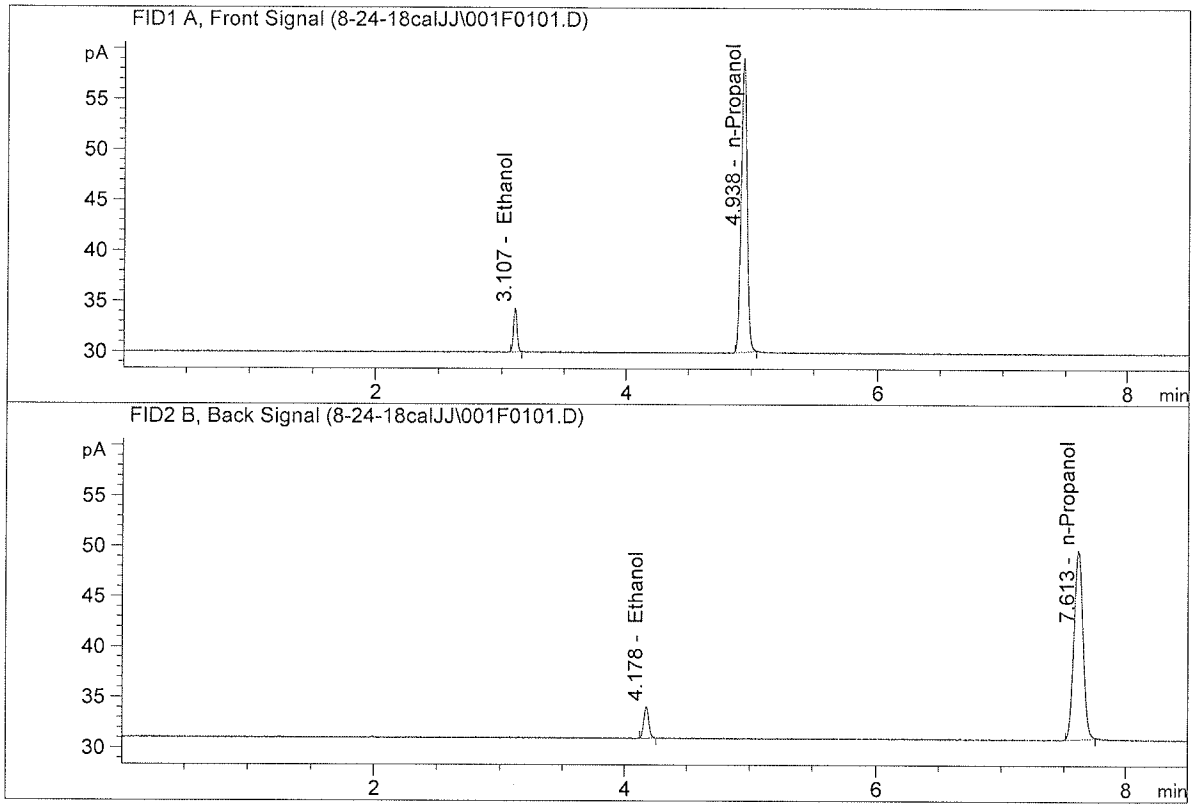
ISP Forensic Services Blood Alcohol Report

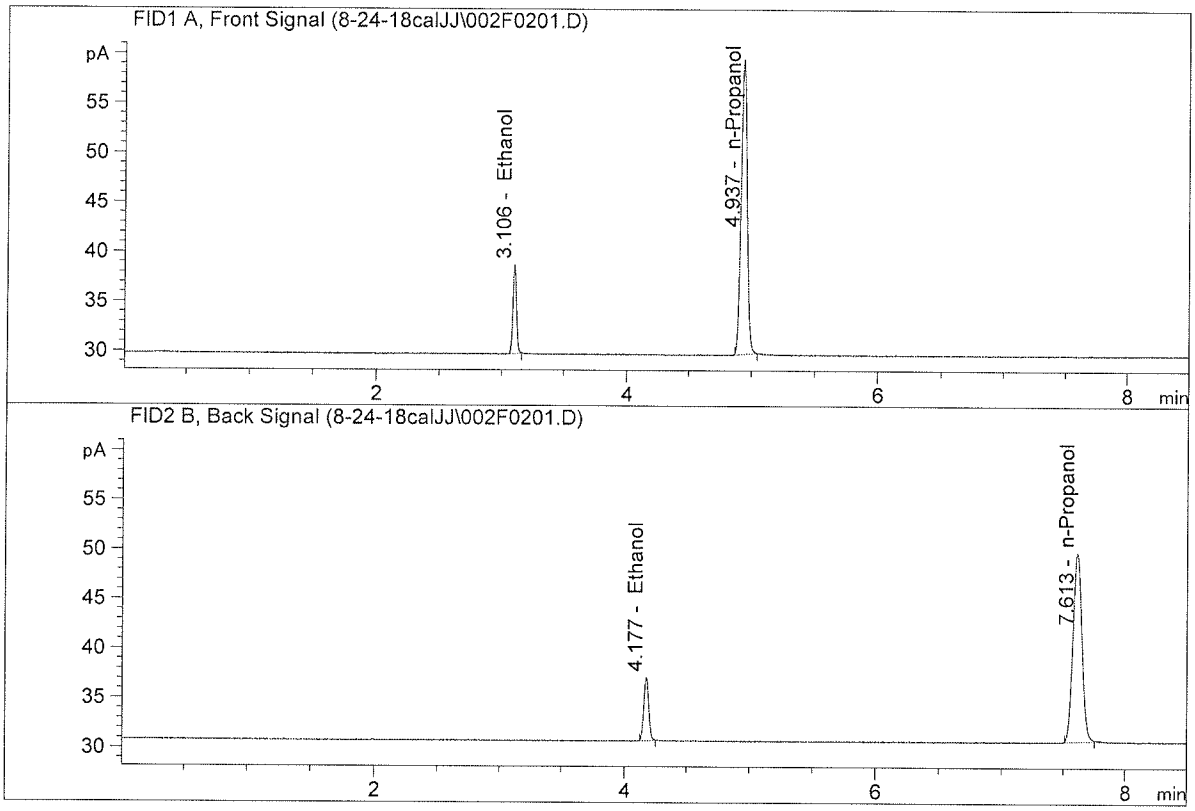
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.59590	0.0495	g/100cc
2.	Ethanol	Column 2:	8.58320	0.0489	g/100cc
3.	n-Propanol	Column 1:	95.11187	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.16016	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

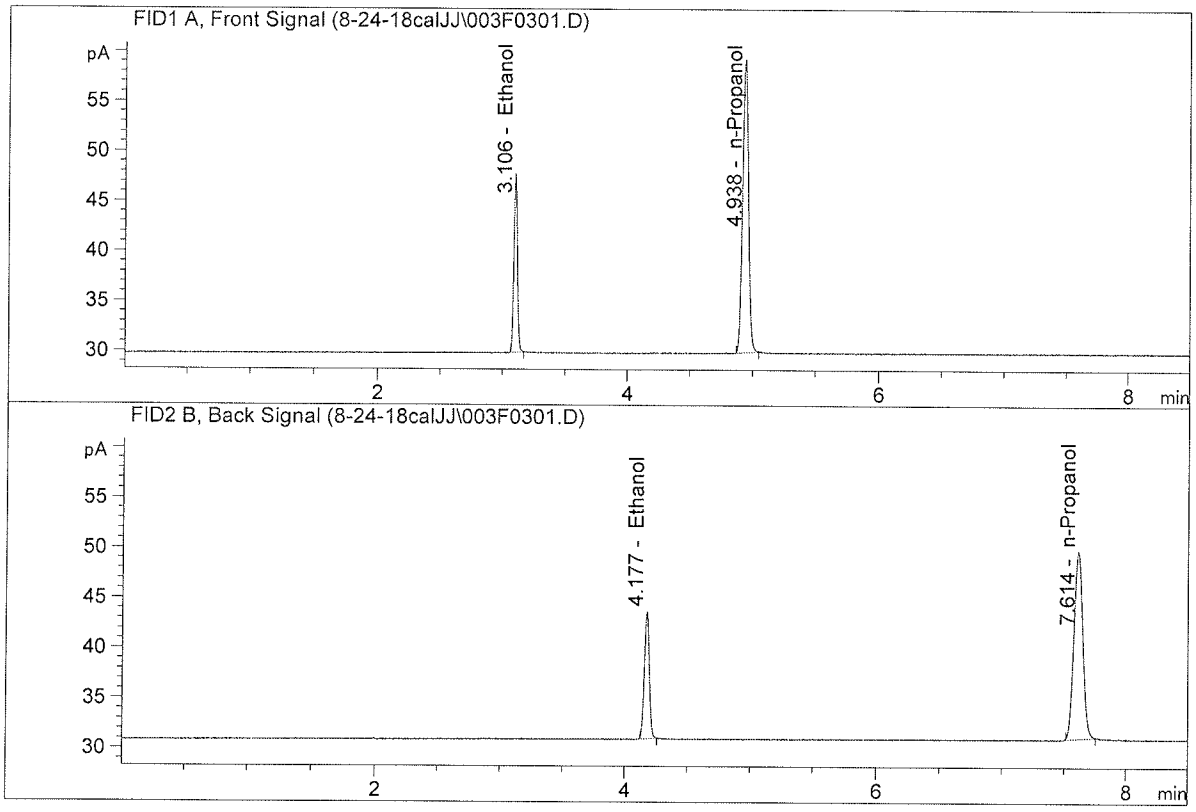
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.59534	0.0991	g/100cc
2.	Ethanol	Column 2:	17.55935	0.0982	g/100cc
3.	n-Propanol	Column 1:	97.24590	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.95084	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

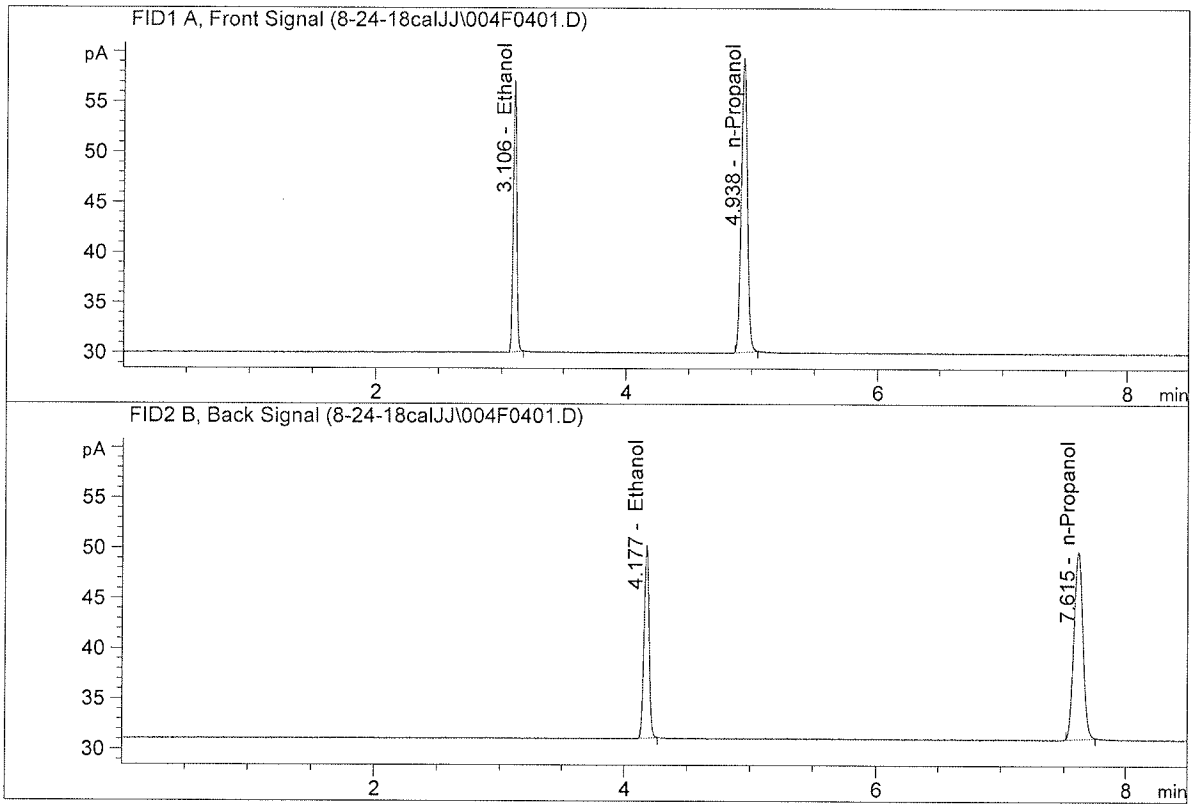
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.87433	0.1992	g/100cc
2.	Ethanol	Column 2:	34.80719	0.1983	g/100cc
3.	n-Propanol	Column 1:	95.83653	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.16950	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

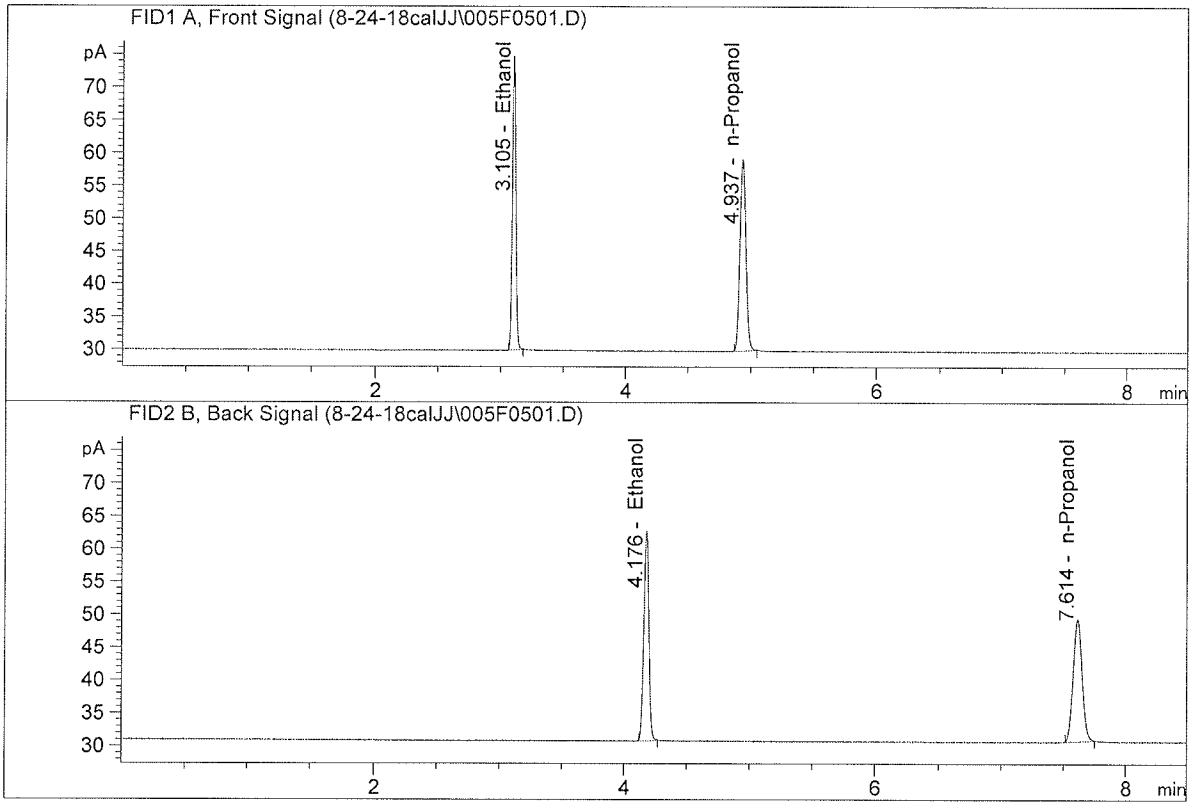
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	52.59850	0.3012	g/100cc
2.	Ethanol	Column 2:	52.54598	0.3003	g/100cc
3.	n-Propanol	Column 1:	95.61269	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.86506	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

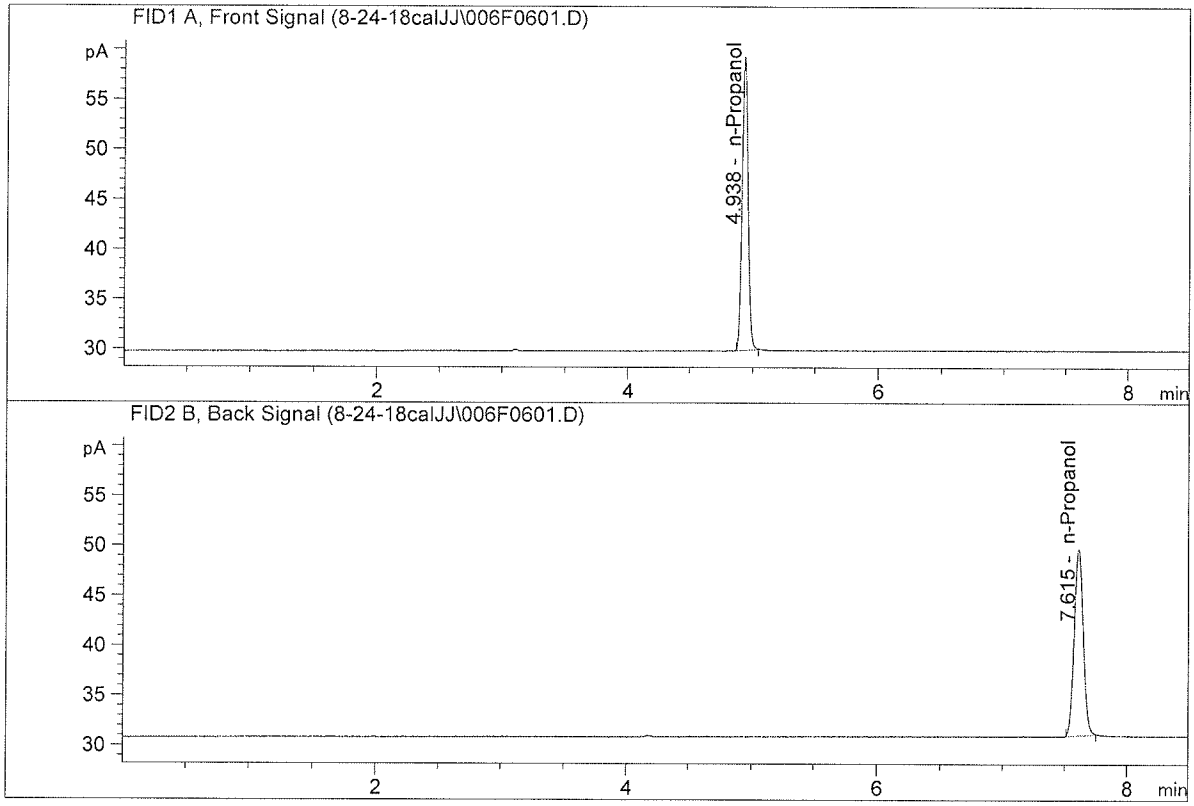


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.09547	0.4999	g/100cc
2.	Ethanol	Column 2:	87.12742	0.5010	g/100cc
3.	n-Propanol	Column 1:	95.38827	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.30717	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

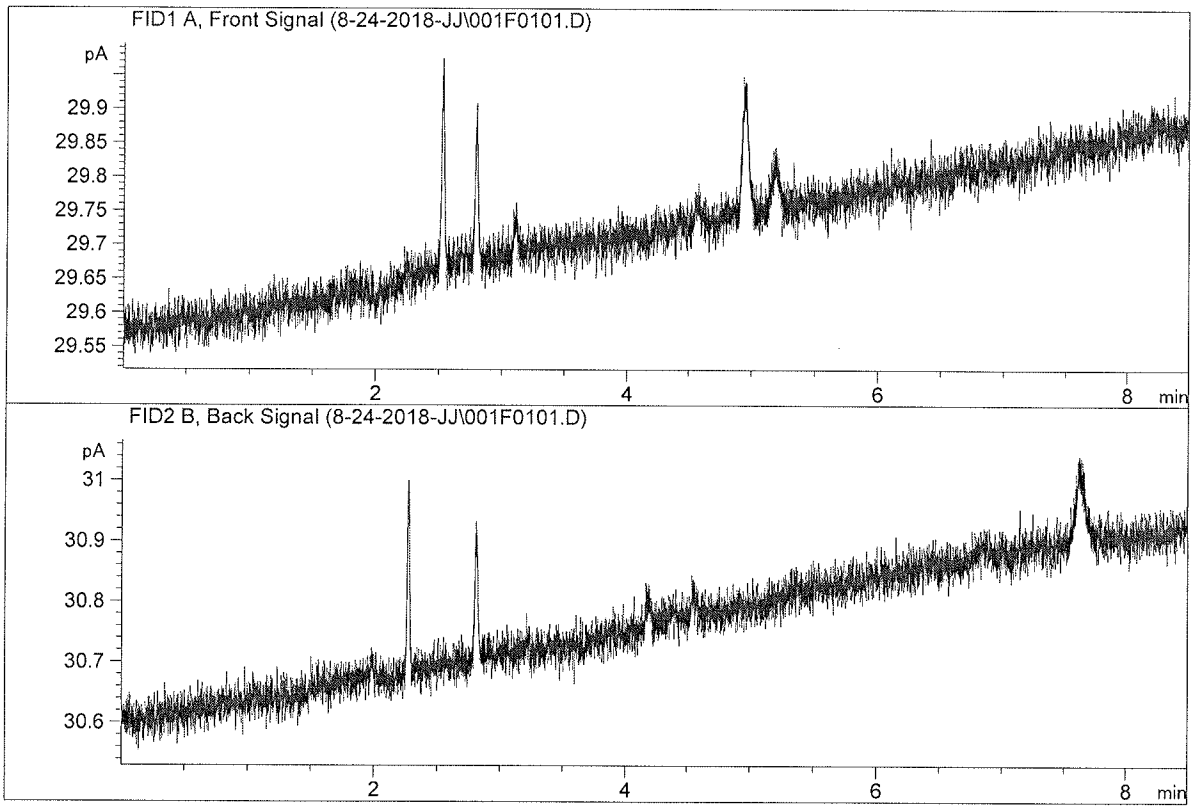


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	95.89942	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.20358	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

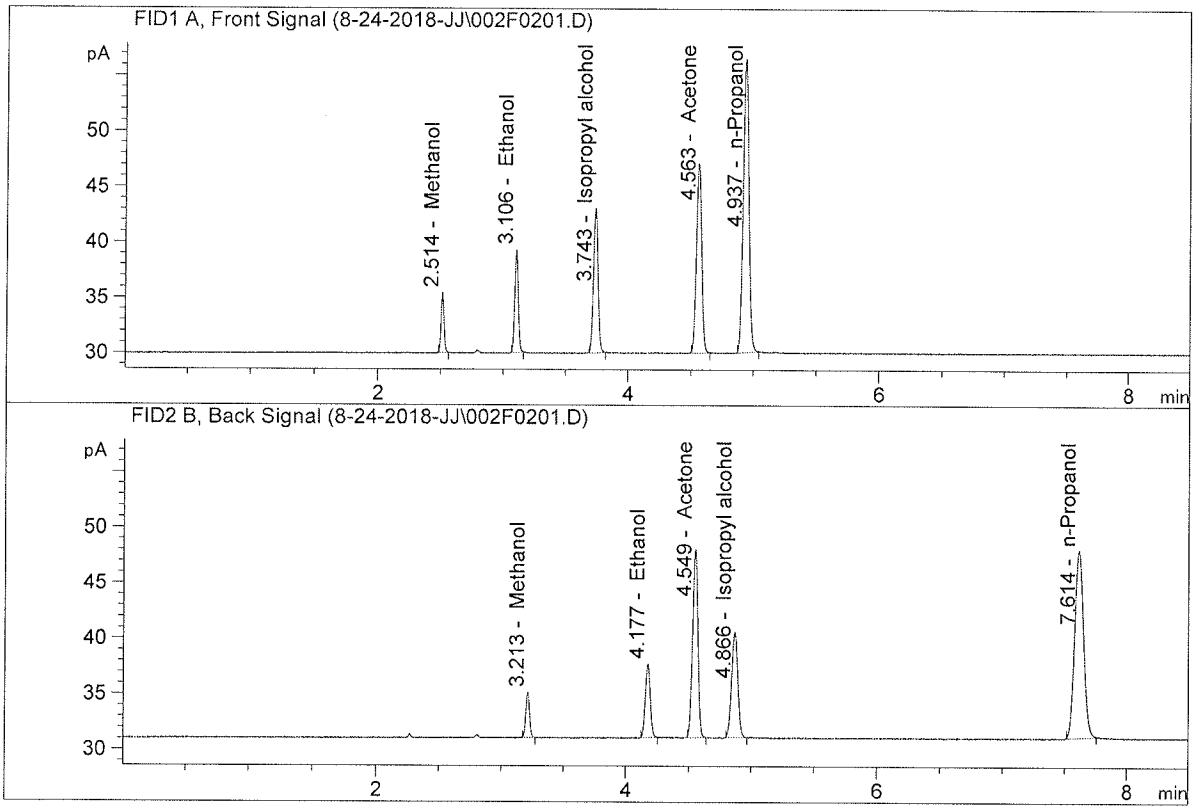
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

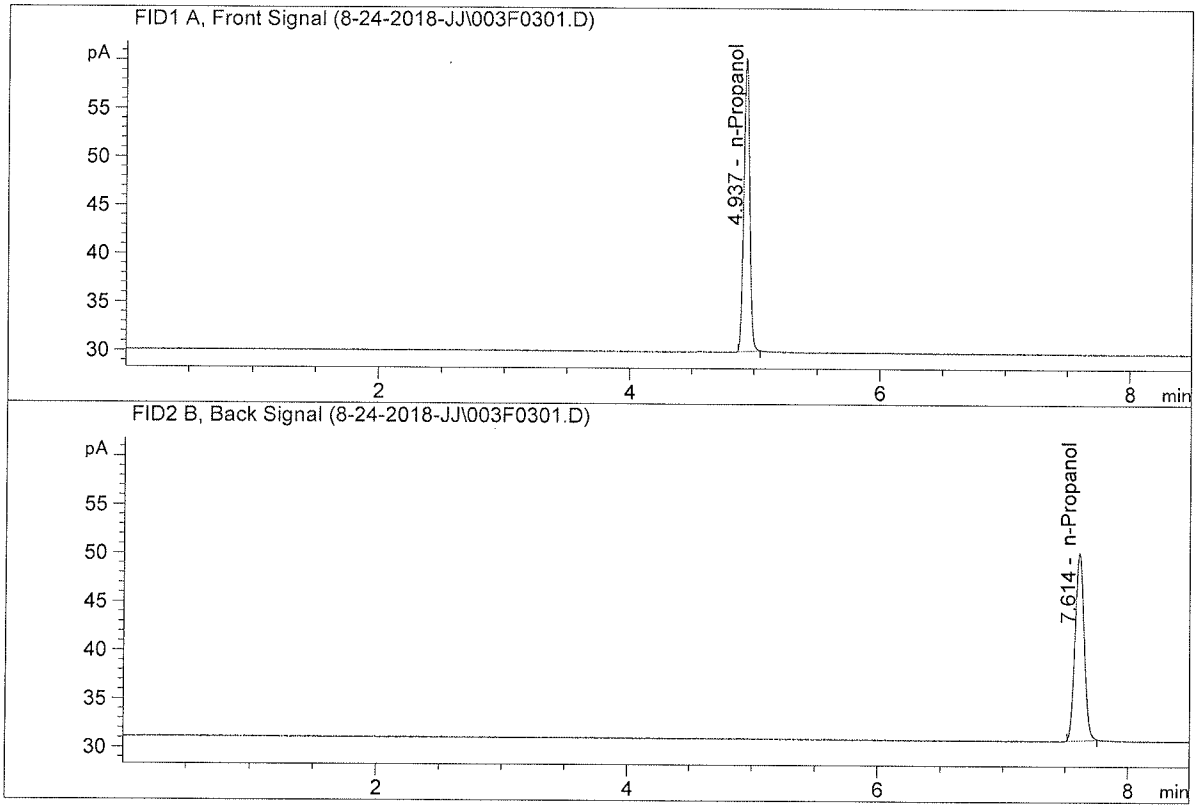
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.11781	0.1149	g/100cc
2.	Ethanol	Column 2:	18.14492	0.1147	g/100cc
3.	n-Propanol	Column 1:	86.35003	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.84776	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	98.90791	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.35547	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 24 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0789	0.0787	0.0002	0.0788	0.0788	
(g/100cc)	0.0792	0.0784	0.0008	0.0788		

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%

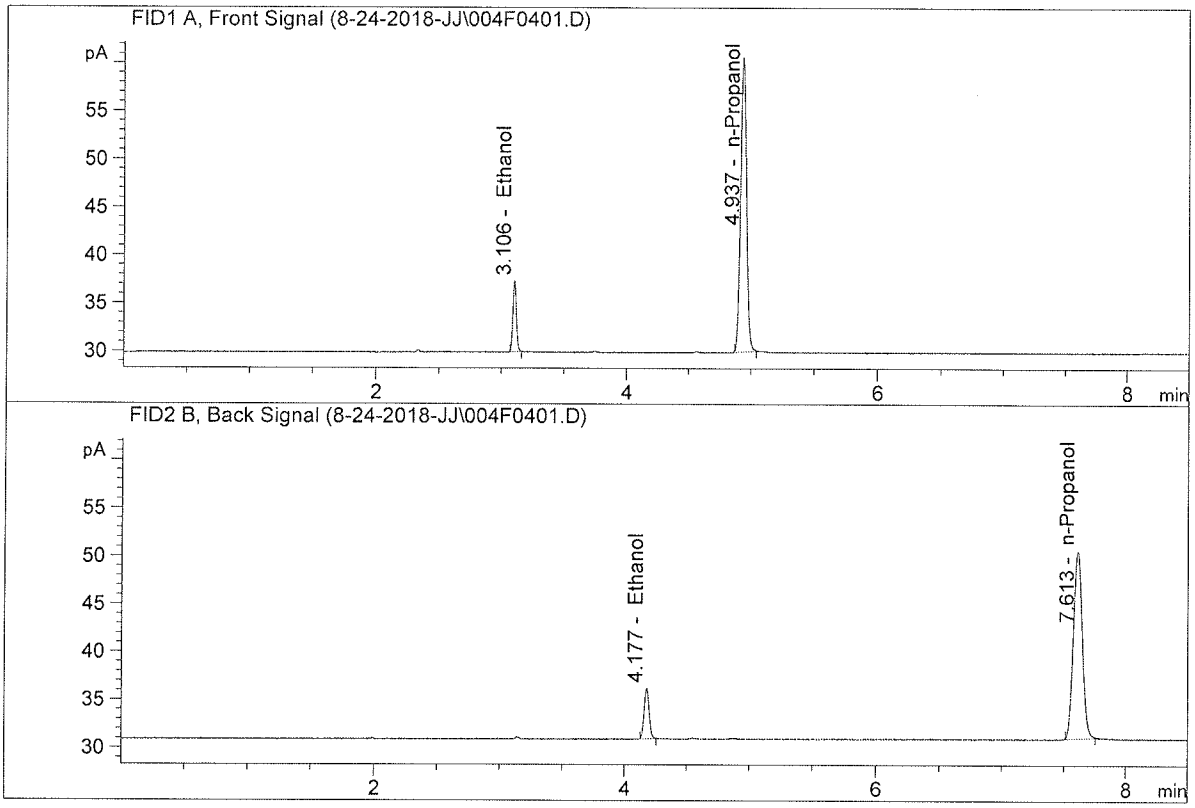
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

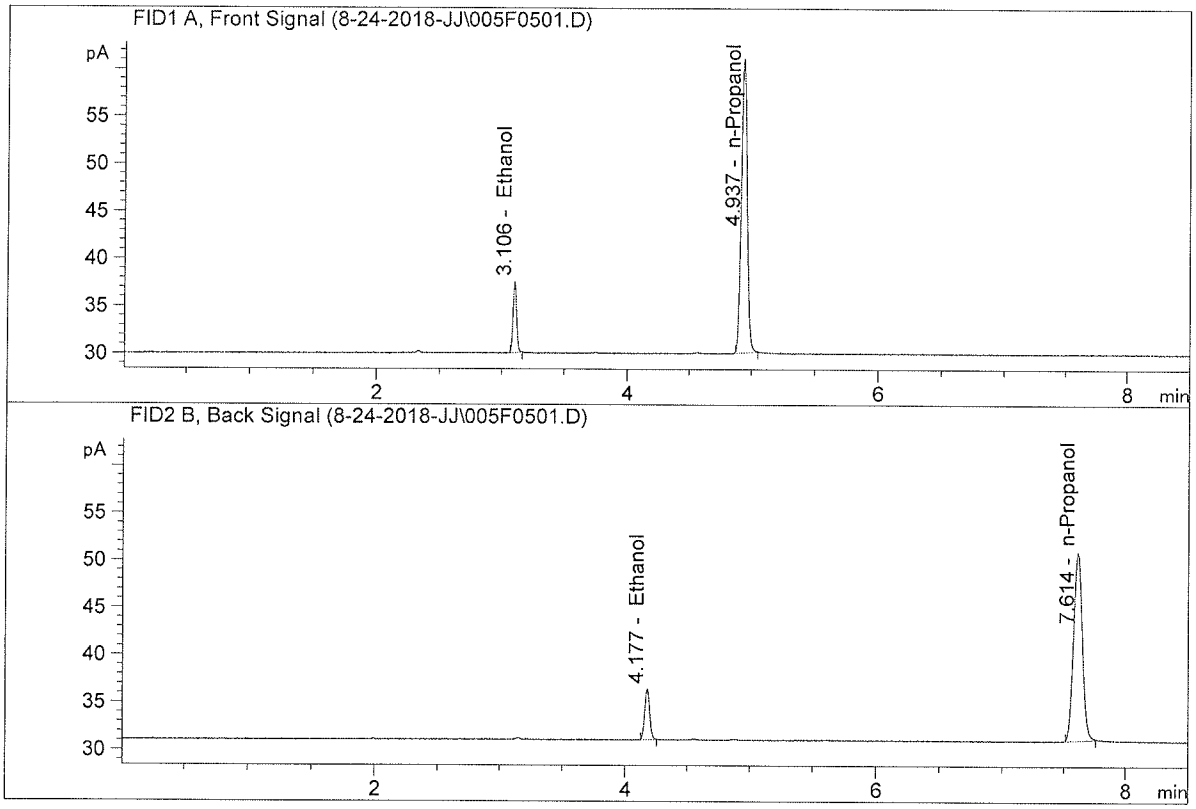
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.41380	0.0789	g/100cc
2.	Ethanol	Column 2:	14.44467	0.0787	g/100cc
3.	n-Propanol	Column 1:	100.04563	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.40943	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.70150	0.0792	g/100cc
2.	Ethanol	Column 2:	14.61616	0.0784	g/100cc
3.	n-Propanol	Column 1:	101.66383	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.01115	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 24 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0797	0.0792	0.0005	0.0794	0.0812	
(g/100cc)	0.0832	0.0829	0.0003	0.0830		

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%**

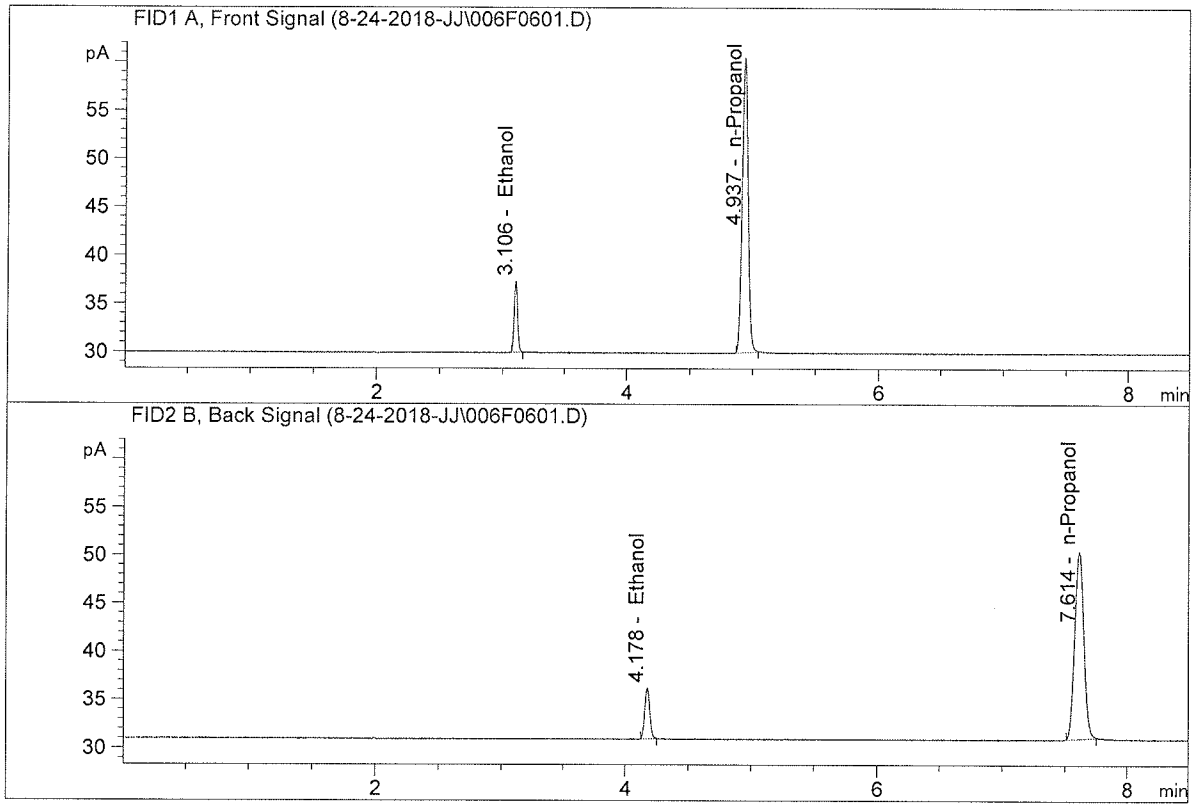
Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

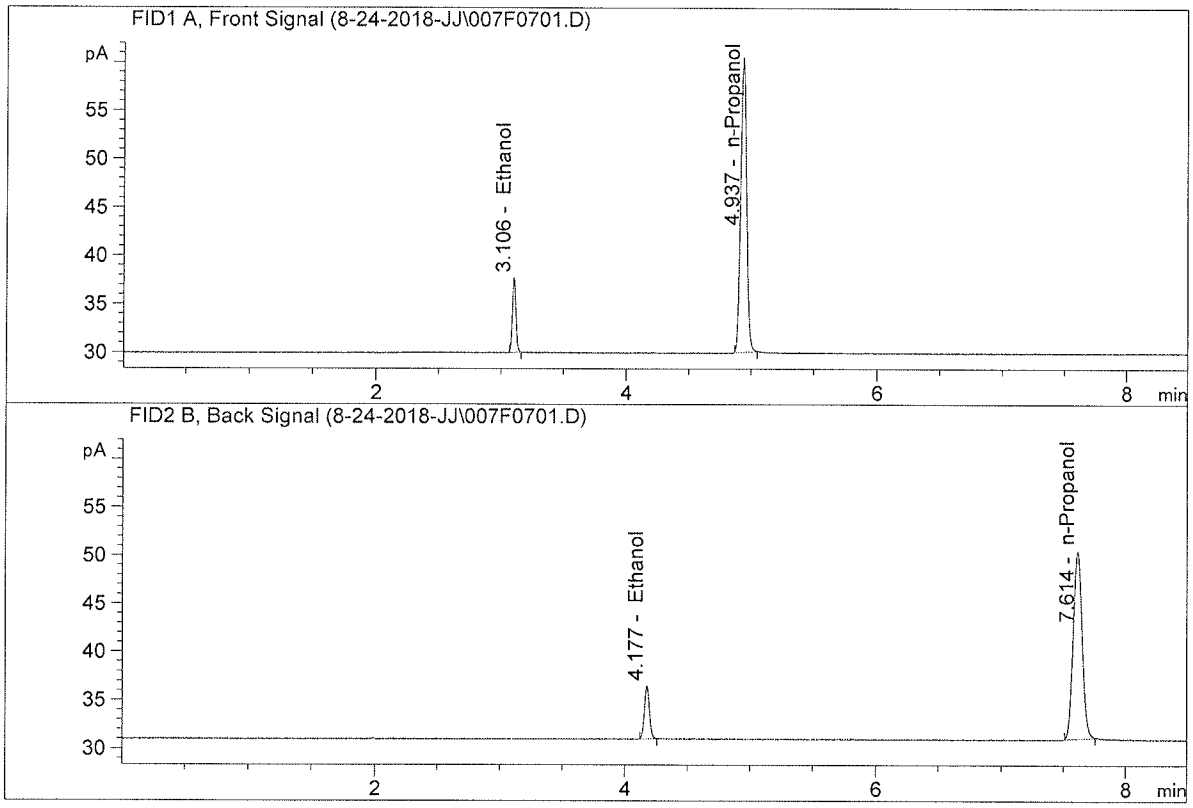
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.49481	0.0797	g/100cc
2.	Ethanol	Column 2:	14.44232	0.0792	g/100cc
3.	n-Propanol	Column 1:	99.54224	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.82627	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.08012	0.0832	g/100cc
2.	Ethanol	Column 2:	15.09110	0.0829	g/100cc
3.	n-Propanol	Column 1:	99.26146	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.60460	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 24 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1974	0.1968	0.0006	0.1971	0.1975	
(g/100cc)	0.1982	0.1977	0.0005	0.1979		

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
0.197	**0.187**	**0.207**	**0.010**

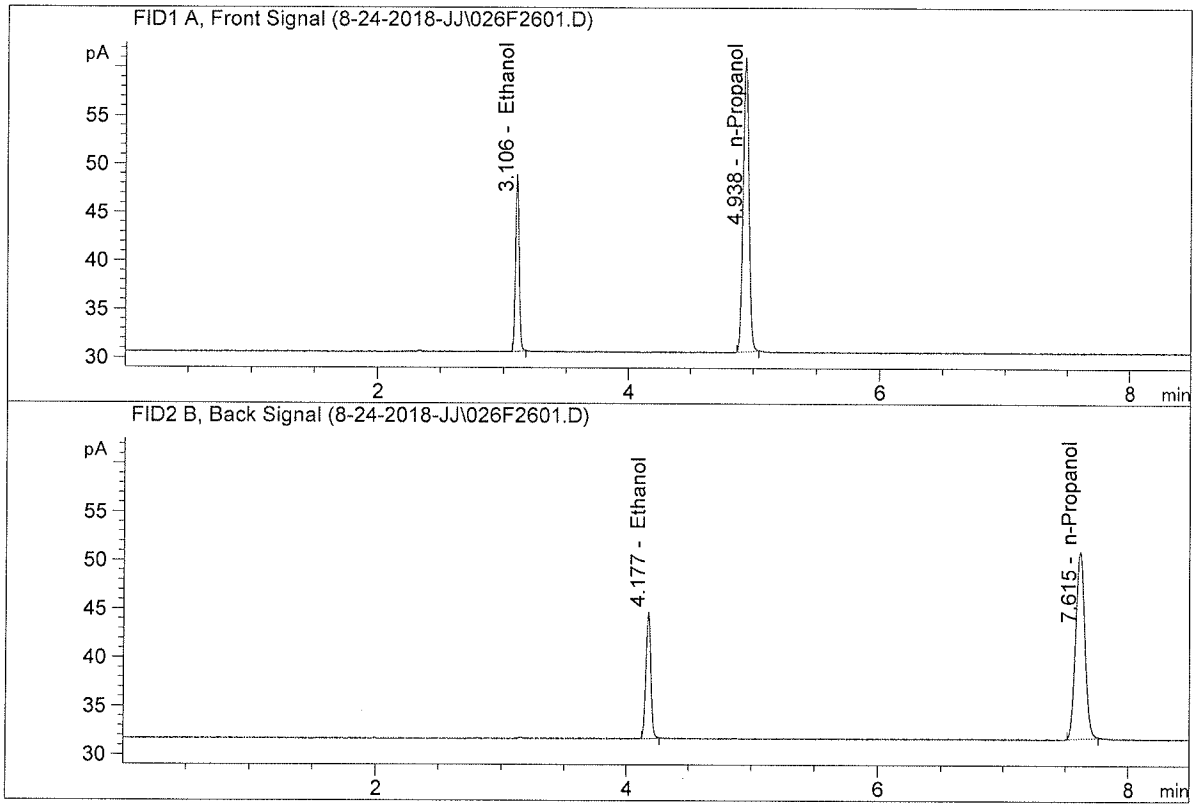
Reported Result

0.197

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

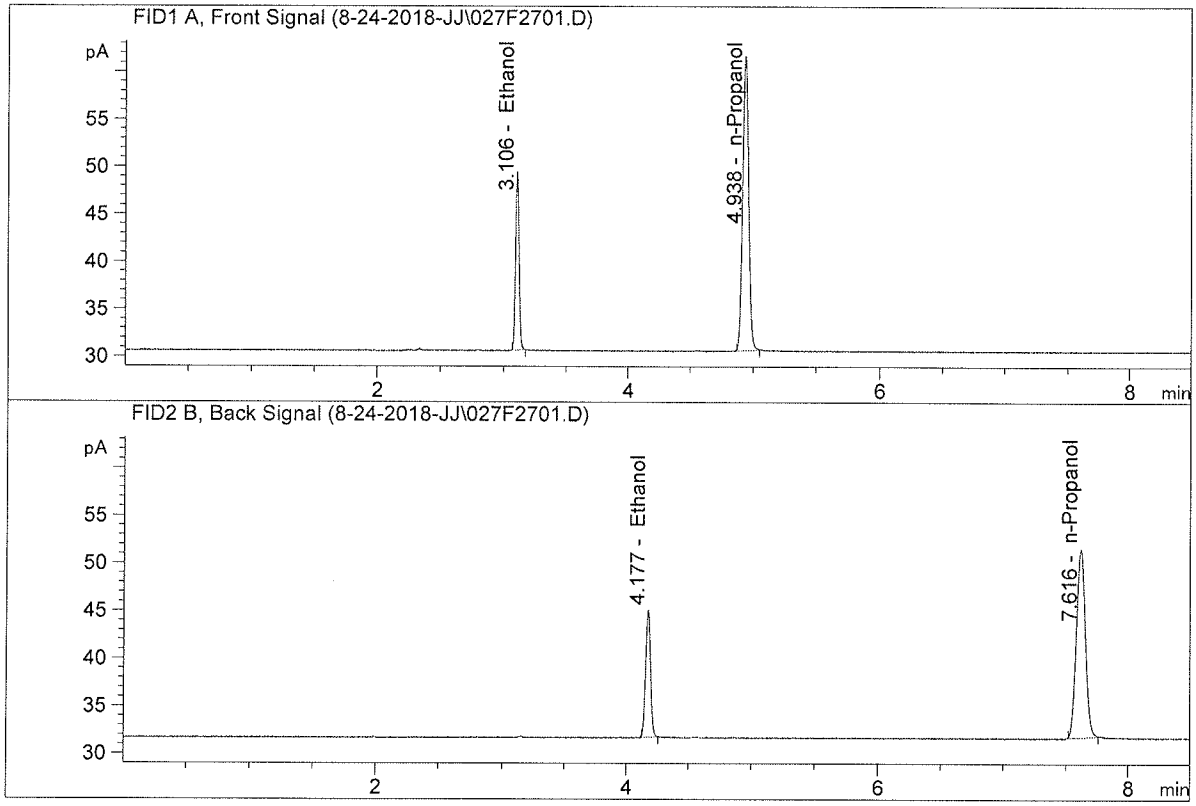
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.69025	0.1974	g/100cc
2.	Ethanol	Column 2:	35.63536	0.1968	g/100cc
3.	n-Propanol	Column 1:	98.98383	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.12268	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.69683	0.1982	g/100cc
2.	Ethanol	Column 2:	36.54752	0.1977	g/100cc
3.	n-Propanol	Column 1:	101.37121	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.17099	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 25 Aug 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0814	0.0810	0.0004	0.0812	0.0807	
(g/100cc)	0.0804	0.0802	0.0002	0.0803		

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

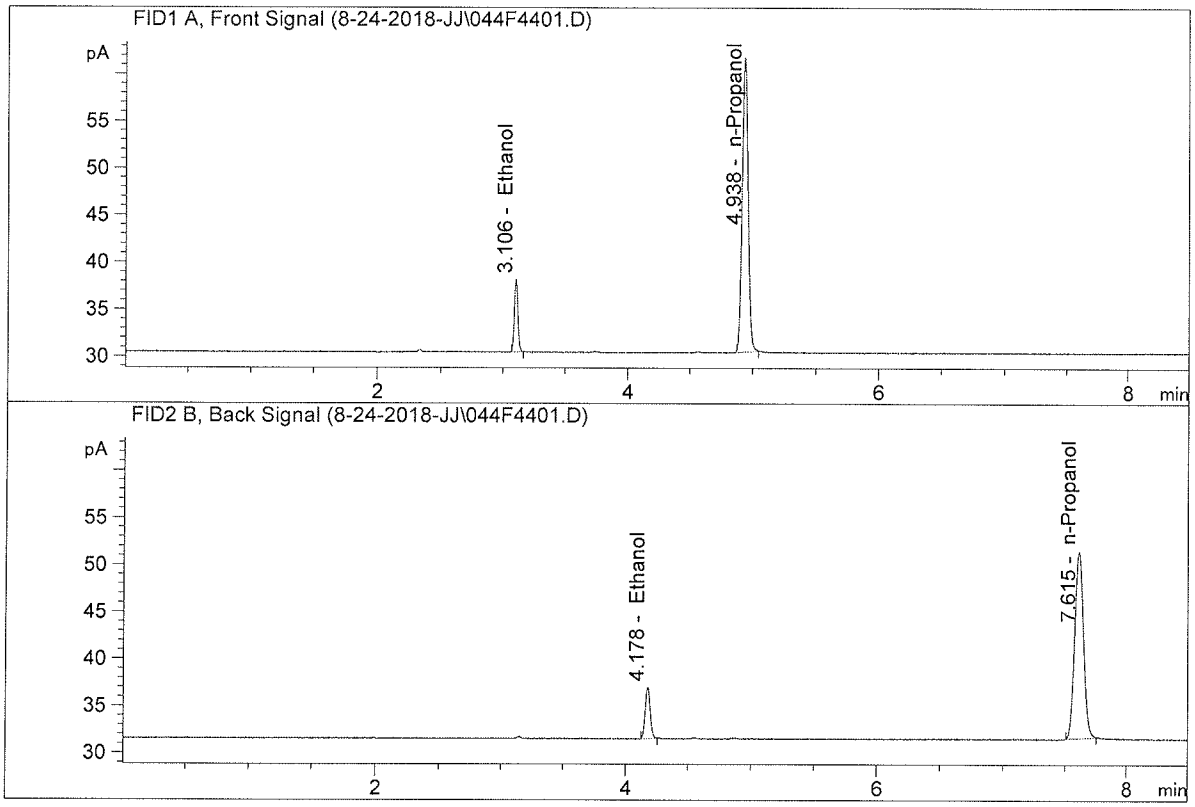
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

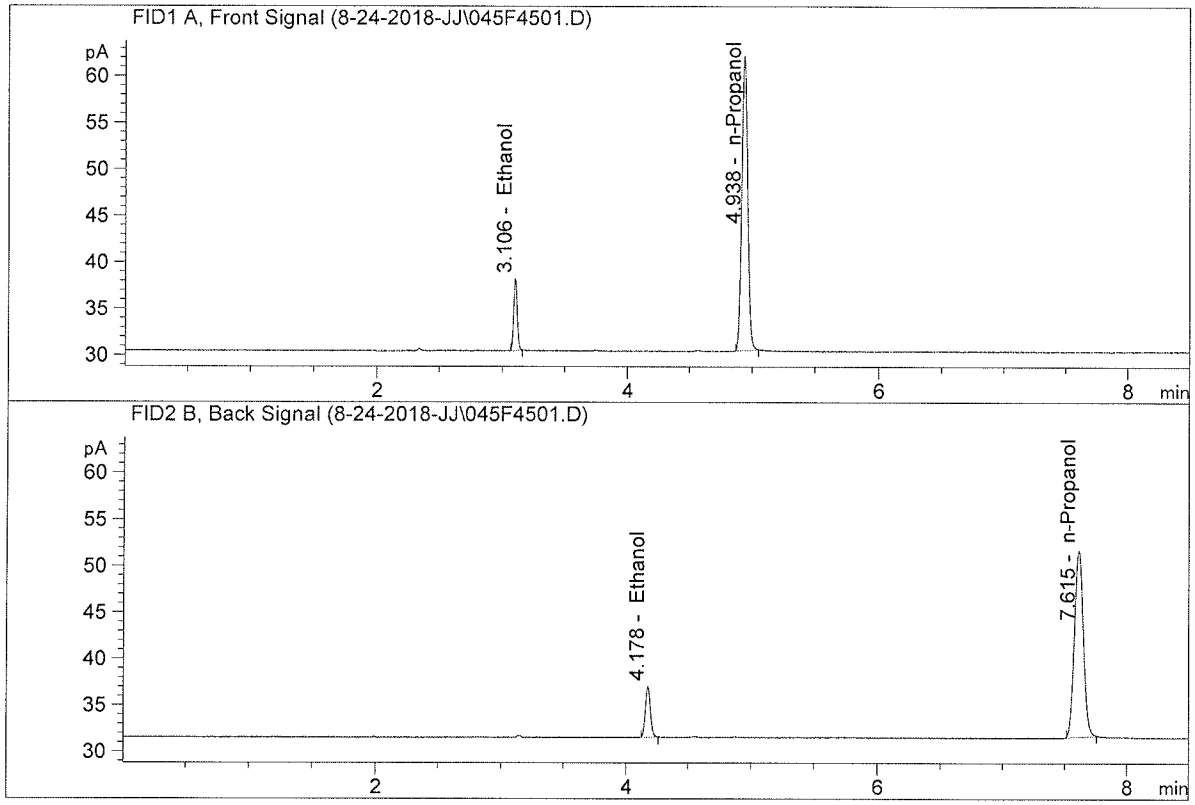
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.17170	0.0814	g/100cc
2.	Ethanol	Column 2:	15.12566	0.0810	g/100cc
3.	n-Propanol	Column 1:	101.97999	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.22080	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

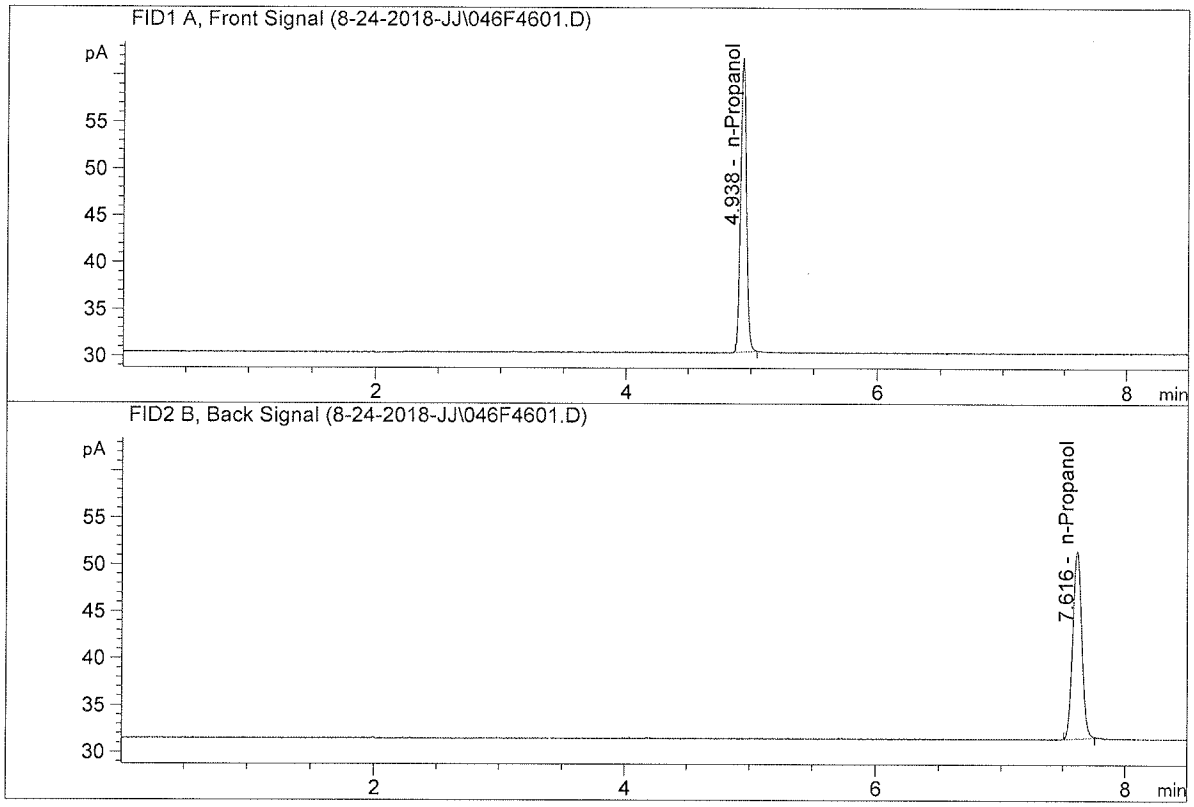
Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.17308	0.0804	g/100cc
2.	Ethanol	Column 2:	15.14820	0.0802	g/100cc
3.	n-Propanol	Column 1:	103.26565	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.28867	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

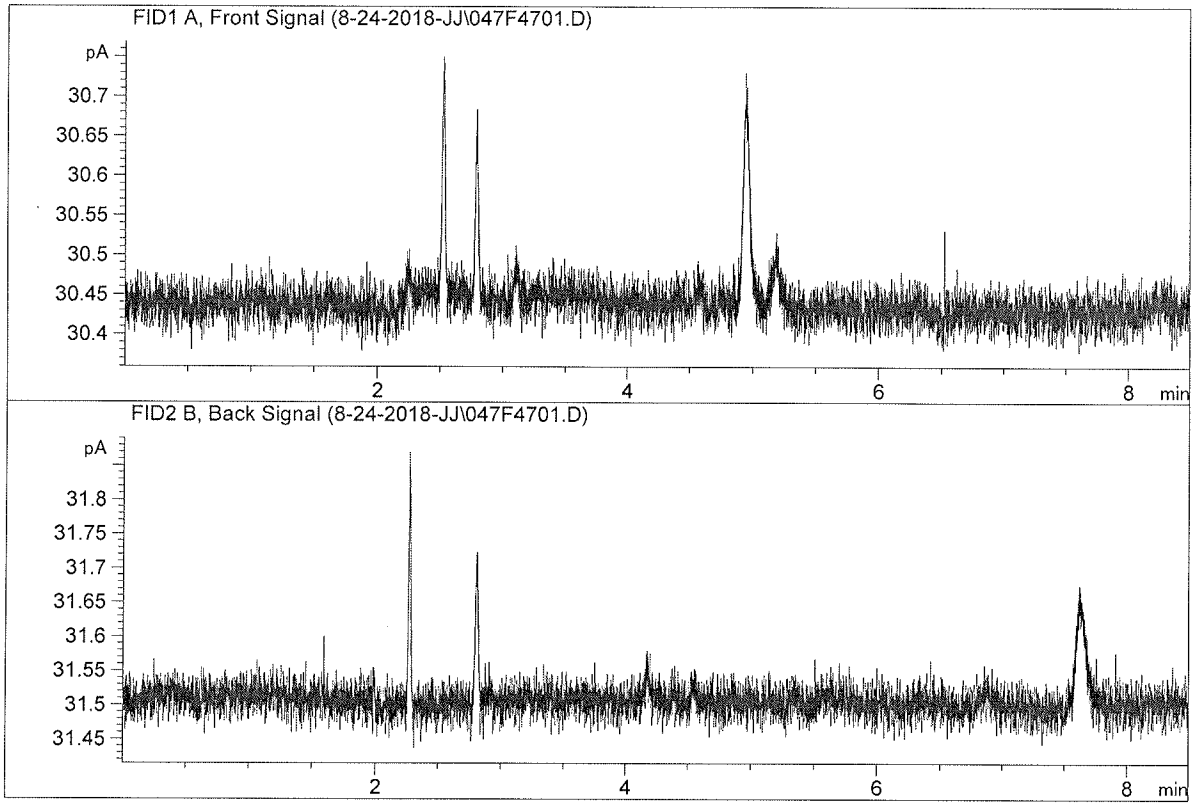


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	102.45406	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.72092	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 25, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



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

99