REVIEWED
By Rachel Cutler at 11:12 am, Nov 08, 2018

11/6/2018

Worklist: 2758

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-2051	1	128580	Alcohol Analysis
C2018-2059	1	128601	Alcohol Analysis
C2018-2060	1	128602	Alcohol Analysis
C2018-2077	1	128817	Alcohol Analysis
C2018-2083	1	128832	Alcohol Analysis
C2018-2090	1	128956	Alcohol Analysis
C2018-2098	1	129150	Alcohol Analysis
C2018-2116	1	129306	Alcohol Analysis
C2018-2167	1	129888	Alcohol Analysis
C2018-2172	1	129929	Alcohol Analysis
C2018-2173	1	129932	Alcohol Analysis
C2018-2182	1	130367	Alcohol Analysis
C2018-2195	1	130546	Alcohol Analysis
C2018-2203	1	130617	Alcohol Analysis
C2018-2204	1	130626	Alcohol Analysis
C2018-2205	1	130632	Alcohol Analysis
C2018-2221	1	130994	Alcohol Analysis

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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):11/6/2018**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0756 g/100cc
					0.0789 g/100cc
					0.0786 g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1897 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	0.99998	**Column2**	0.99998

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jun-21	FN04271601	0.050	0.045 - 0.055	0.0481	0.0477	0.0004	0.0479
0.080							0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0994	0.0981	0.0013	0.0987
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.2029	0.2006	0.0023	0.2017
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.3000	0.2987	0.0013	0.2993
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.4992	~~0.5001~~	~~0.0009~~	~~0.4996~~
						0.5011	0.0019	0.5001

JJ

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	May-22	FN04171701	0.08000	0.076 - 0.084	0.077 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_06.11.2018_03.08.26\11-6-2018.S
Data directory path: C:\Chem32\1\Data\11-6-2018-JJ
Logbook: C:\Chem32\1\Data\11-6-2018-JJ\11-6-2018.LOG
Sequence start: 11/6/2018 3:22:09 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	18803-1-A	-	1.0000	008F0801.D		4
9	9	1	18803-1-B	-	1.0000	009F0901.D		4
10	10	1	18803-2-A	-	1.0000	010F1001.D		4
11	11	1	18803-2-B	-	1.0000	011F1101.D		4
12	12	1	18110-1-A	-	1.0000	012F1201.D		4
13	13	1	18110-1-B	-	1.0000	013F1301.D		4
14	14	1	18110-2-A	-	1.0000	014F1401.D		4
15	15	1	18110-2-B	-	1.0000	015F1501.D		4
16	16	1	C2018-2051-1-A	-	1.0000	016F1601.D		4
17	17	1	C2018-2051-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-2059-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-2059-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-2077-1-A	-	1.0000	020F2001.D		4
21	21	1	C2018-2077-1-B	-	1.0000	021F2101.D		4
22	22	1	C2018-2116-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-2116-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-2173-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-2173-1-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	C2018-2167-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-2167-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-2060-1-A	-	1.0000	030F3001.D		2
31	31	1	C2018-2060-1-B	-	1.0000	031F3101.D		2
32	32	1	C2018-2090-1-A	-	1.0000	032F3201.D		4
33	33	1	C2018-2090-1-B	-	1.0000	033F3301.D		4
34	34	1	C2018-2098-1-A	-	1.0000	034F3401.D		2
35	35	1	C2018-2098-1-B	-	1.0000	035F3501.D		2
36	36	1	C2018-2172-1-A	-	1.0000	036F3601.D		2
37	37	1	C2018-2172-1-B	-	1.0000	037F3701.D		2
38	38	1	C2018-2195-1-A	-	1.0000	038F3801.D		4
39	39	1	C2018-2195-1-B	-	1.0000	039F3901.D		4
40	40	1	C2018-2203-1-A	-	1.0000	040F4001.D		4
41	41	1	C2018-2203-1-B	-	1.0000	041F4101.D		4
42	42	1	C2018-2204-1-A	-	1.0000	042F4201.D		2
43	43	1	C2018-2204-1-B	-	1.0000	043F4301.D		2
44	44	1	C2018-2205-1-A	-	1.0000	044F4401.D		2
45	45	1	C2018-2205-1-B	-	1.0000	045F4501.D		2
46	46	1	C2018-2221-1-A	-	1.0000	046F4601.D		4

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Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	C2018-2221-1-B	-	1.0000	047F4701.D		4
48	48	1	QC-1-A	-	1.0000	048F4801.D		4
49	49	1	QC-1-B	-	1.0000	049F4901.D		4
50	50	1	C2018-2182-1-A	-	1.0000	050F5001.D		2
51	51	1	C2018-2182-1-B	-	1.0000	051F5101.D		2
52	52	1	C2018-2083-1-A	-	1.0000	052F5201.D		4
53	53	1	C2018-2083-1-B	-	1.0000	053F5301.D		4
54	54	1	QC-1-A	-	1.0000	054F5401.D		4
55	55	1	QC-1-B	-	1.0000	055F5501.D		4
56	56	1	ISTD BLANK	-	1.0000	056F5601.D		2
57	57	1	water	-	1.0000	057F5701.D		0

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, November 06, 2018 2:54:31 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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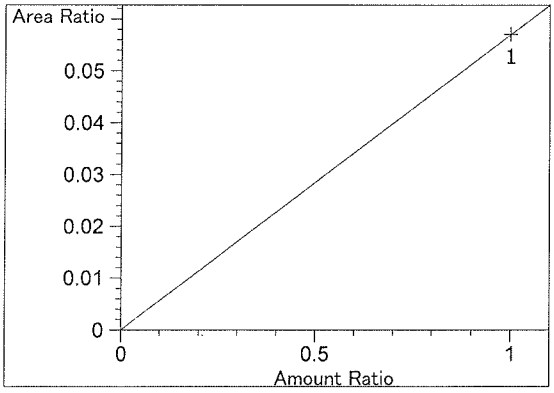
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.106	1	1	5.00000e-2	8.20262	6.09561e-3	No	No	1	Ethanol
		2	1.00000e-1	17.72319	5.64233e-3				
		3	2.00000e-1	35.66634	5.60753e-3				
		4	3.00000e-1	53.06878	5.65304e-3				
		5	5.00000e-1	89.25224	5.60210e-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
4.177	2	1	5.00000e-2	8.03943	6.21935e-3	No	No	2	Ethanol
		2	1.00000e-1	17.14713	5.83188e-3				
		3	2.00000e-1	34.52151	5.79349e-3				
		4	3.00000e-1	51.70463	5.80219e-3				
		5	5.00000e-1	87.61684	5.70667e-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
4.939	1	1	1.00000	90.93419	1.09970e-2	No	Yes	1	n-Propanol
		2	1.00000	94.97462	1.05291e-2				
		3	1.00000	93.64862	1.06782e-2				
		4	1.00000	94.24678	1.06104e-2				
		5	1.00000	95.25841	1.04978e-2				
7.615	2	1	1.00000	87.67545	1.14057e-2	No	Yes	2	n-Propanol
		2	1.00000	90.89621	1.10016e-2				
		3	1.00000	89.49412	1.11739e-2				
		4	1.00000	89.99078	1.11122e-2				
		5	1.00000	90.90382	1.10006e-2				

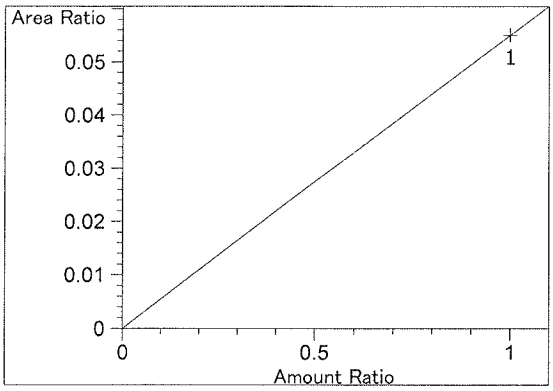
Peak Sum Table

No Entries in table

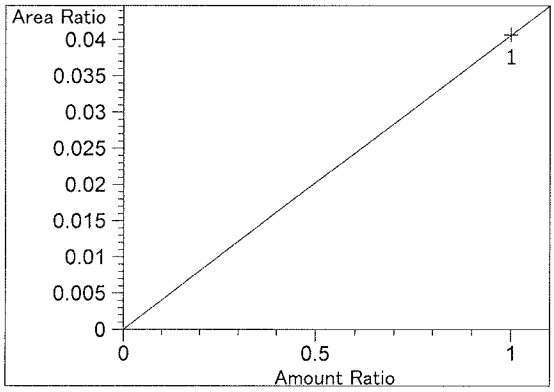
Calibration Curves



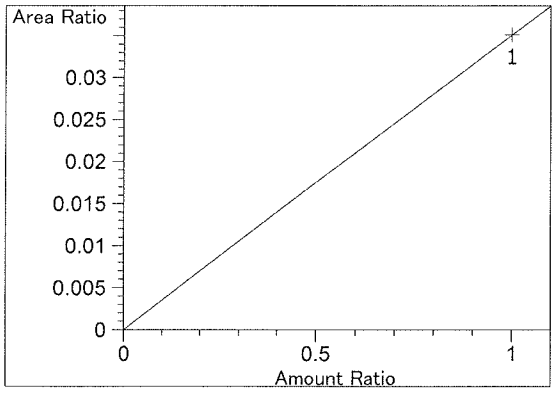
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.70285e-2
x: Amount Ratio
y: Area Ratio



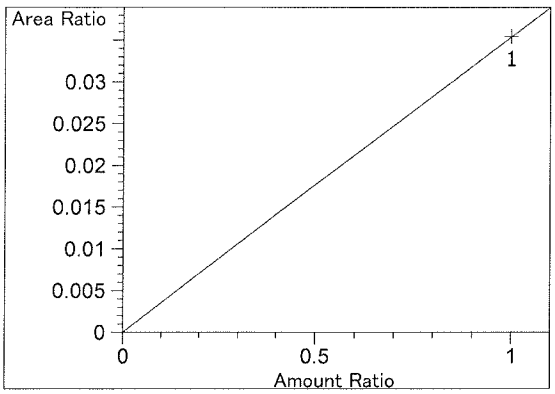
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.49848e-2
x: Amount Ratio
y: Area Ratio



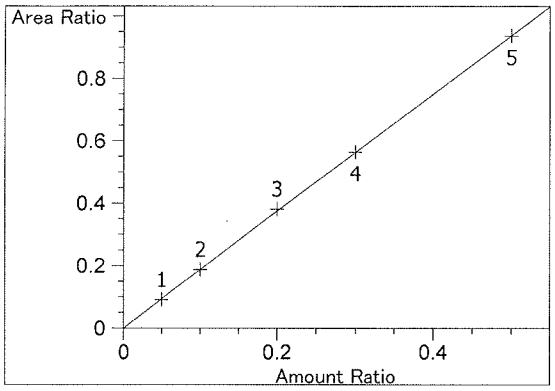
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.06524e-2
x: Amount Ratio
y: Area Ratio



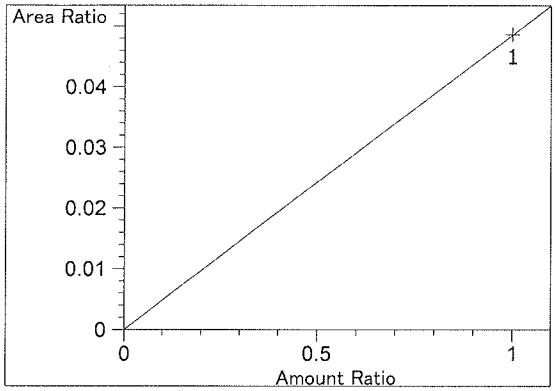
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.51145e-2
x: Amount Ratio
y: Area Ratio



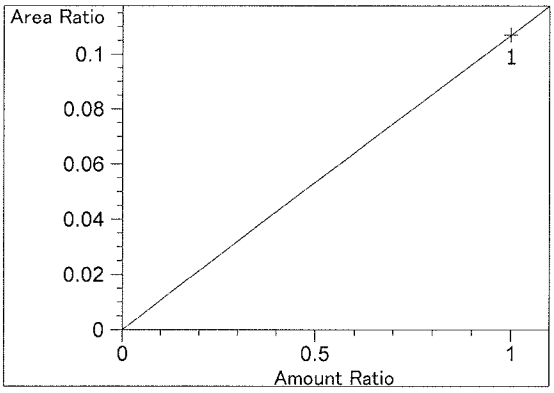
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.54233e-2
x: Amount Ratio
y: Area Ratio



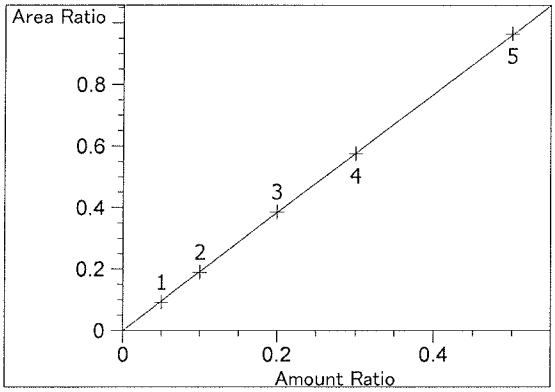
Ethanol at exp. RT: 3.106
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00341
Formula: y = mx
m: 1.87705
x: Amount Ratio
y: Area Ratio



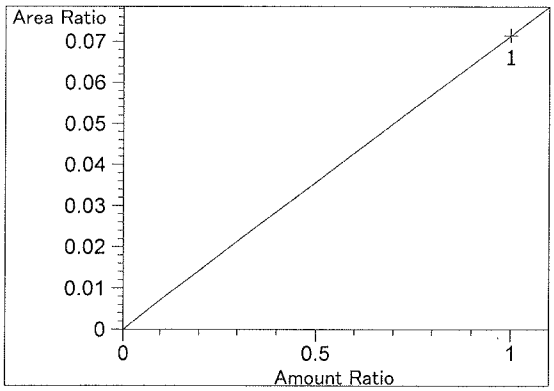
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.85954e-2
x: Amount Ratio
y: Area Ratio



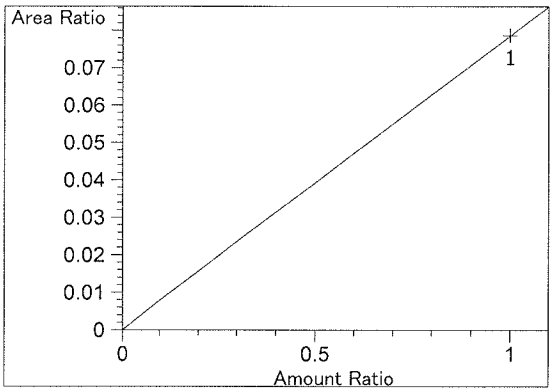
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.07007e-1
x: Amount Ratio
y: Area Ratio



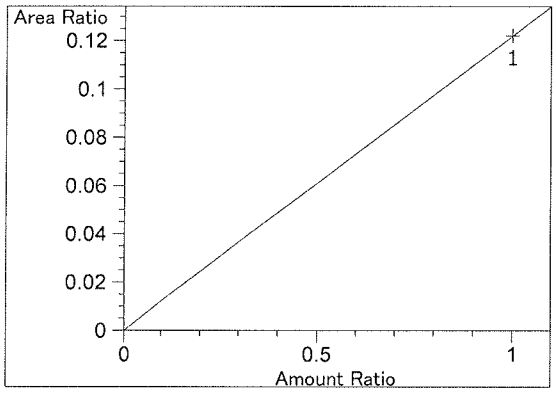
Ethanol at exp. RT: 4.177
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00337
Formula: y = mx
m: 1.92327
x: Amount Ratio
y: Area Ratio



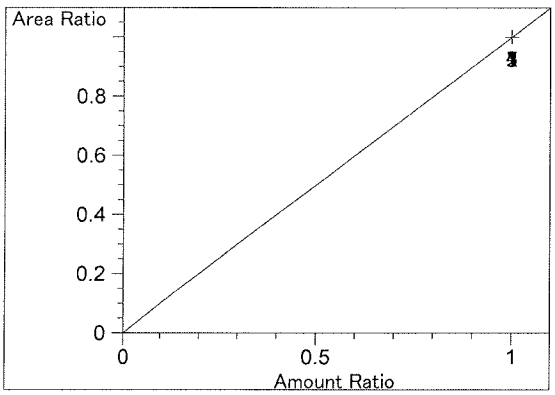
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.14737e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.86196e-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: 1.22114e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.939
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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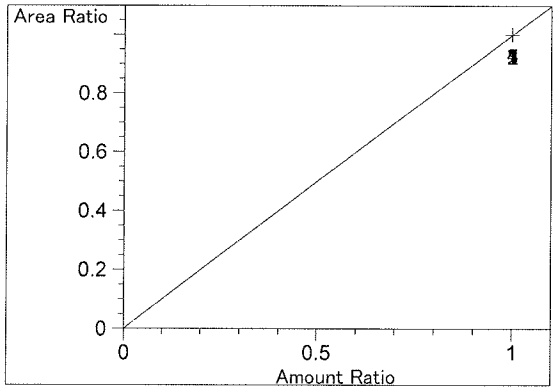

n-Propanol at exp. RT: 7.615
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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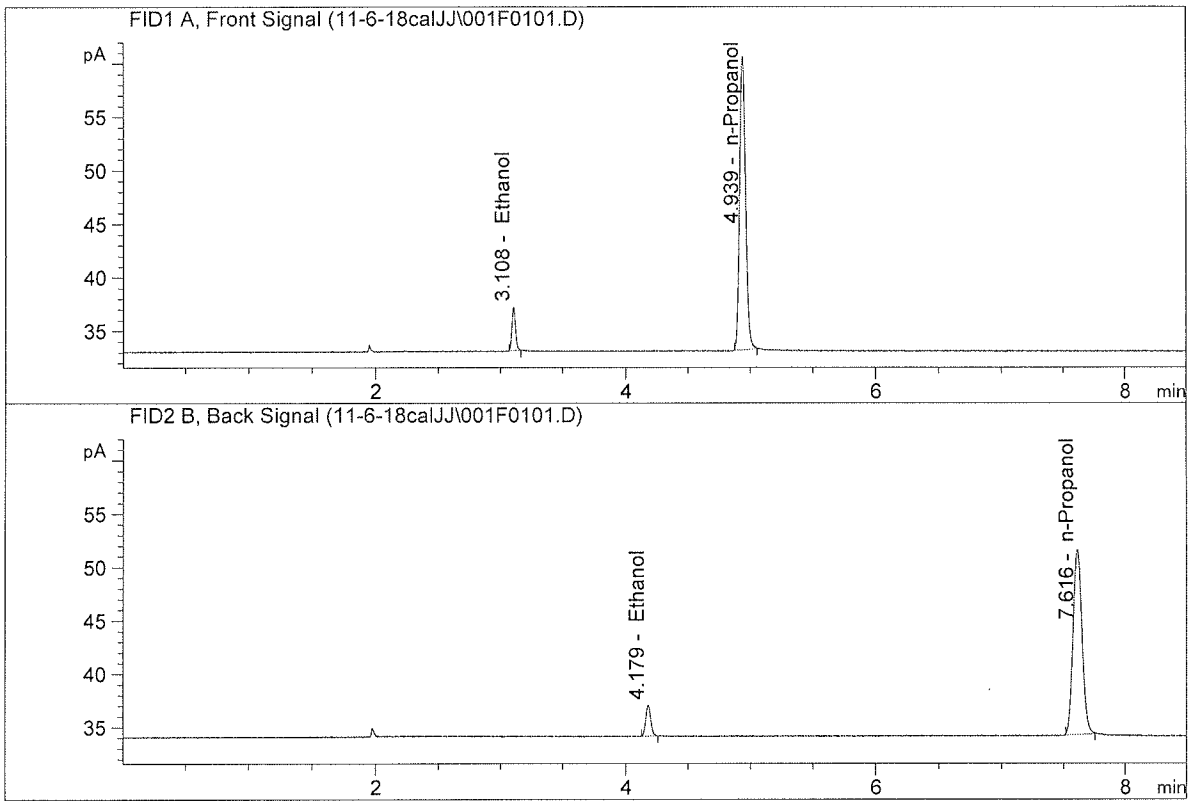
ISP Forensic Services Blood Alcohol Report

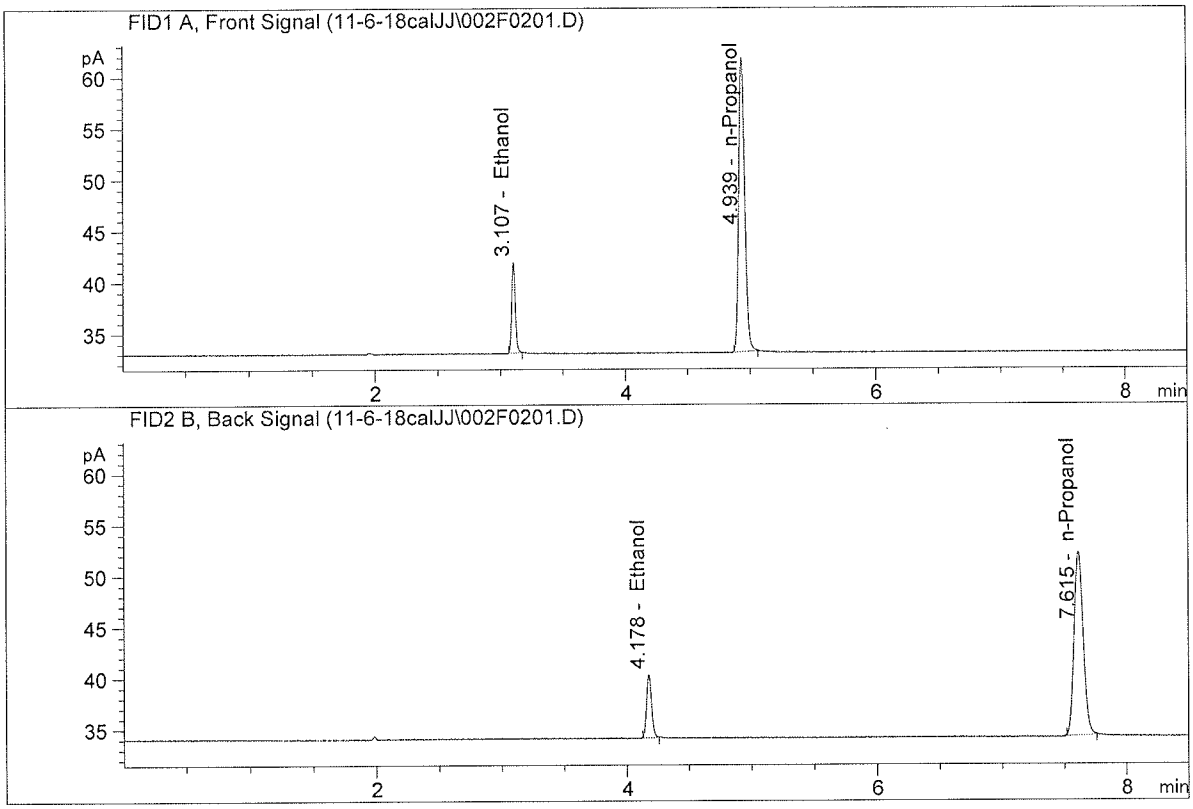
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.20262	0.0481	g/100cc
2.	Ethanol	Column 2:	8.03943	0.0477	g/100cc
3.	n-Propanol	Column 1:	90.93419	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.67545	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

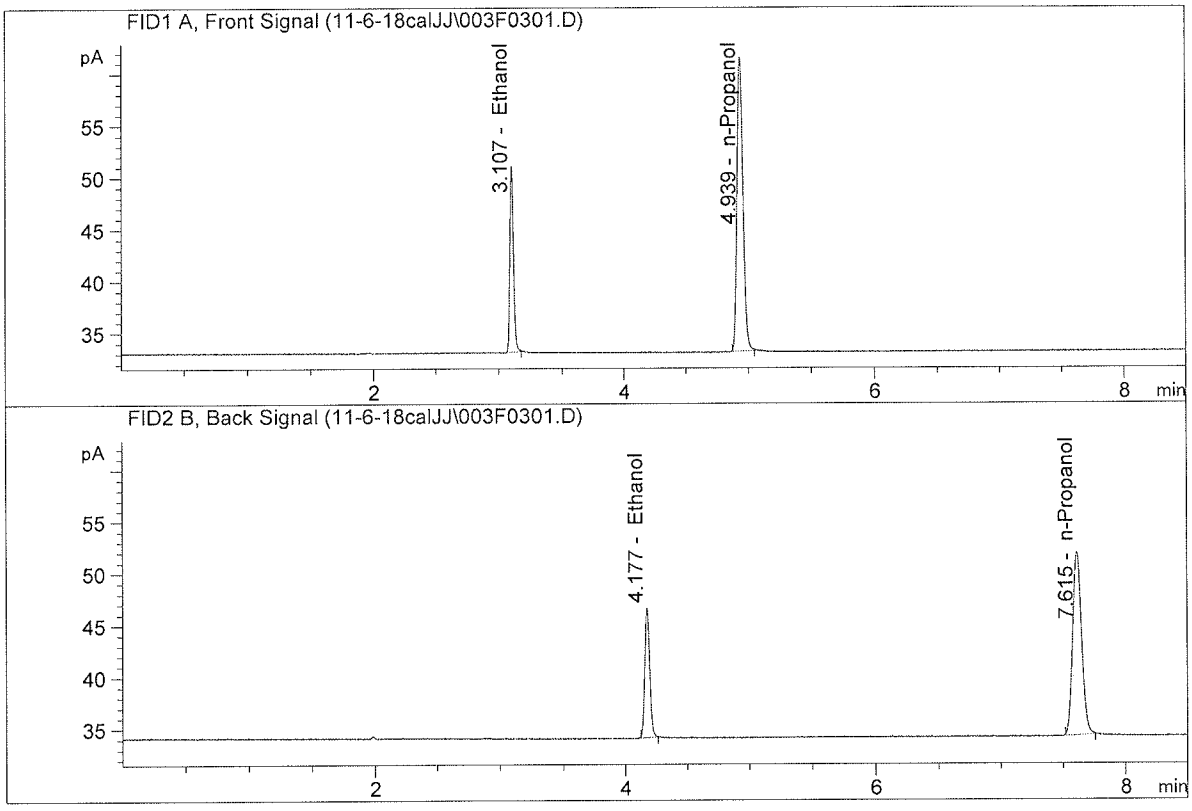
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.72319	0.0994	g/100cc
2.	Ethanol	Column 2:	17.14713	0.0981	g/100cc
3.	n-Propanol	Column 1:	94.97462	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.89621	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

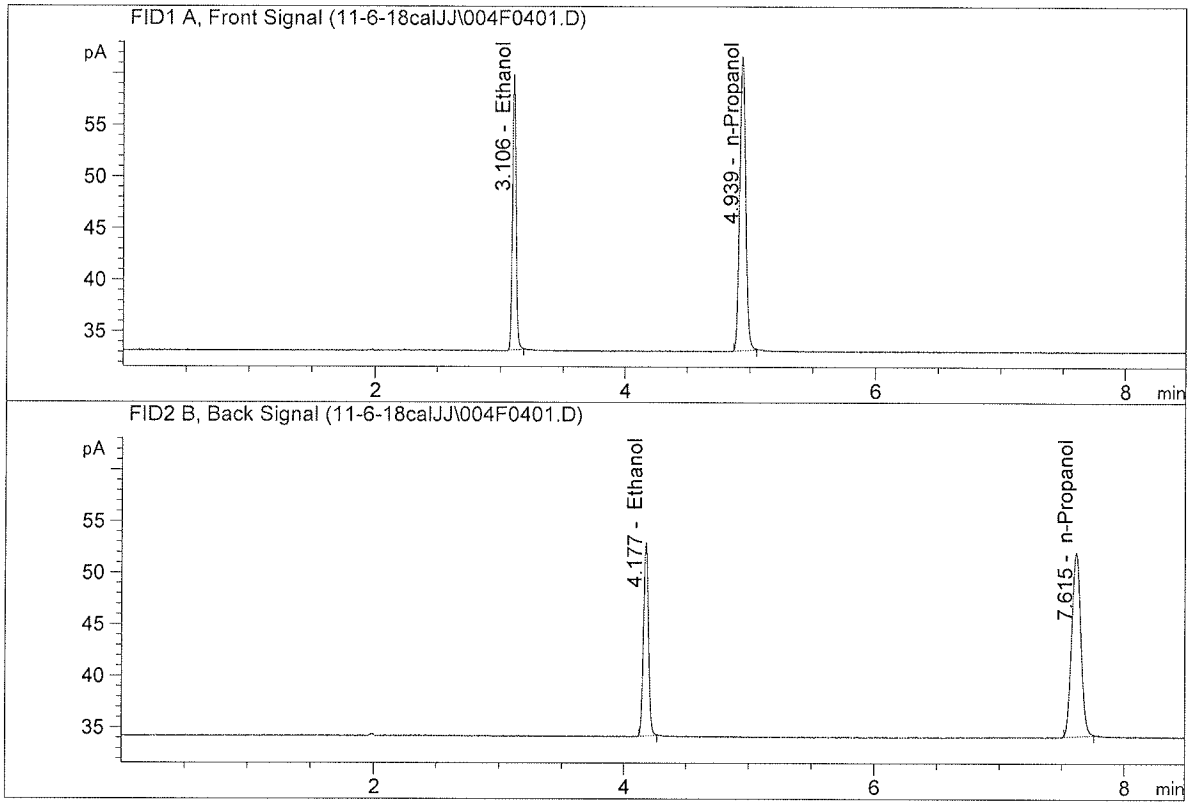
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.66634	0.2029	g/100cc
2.	Ethanol	Column 2:	34.52151	0.2006	g/100cc
3.	n-Propanol	Column 1:	93.64862	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.49412	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

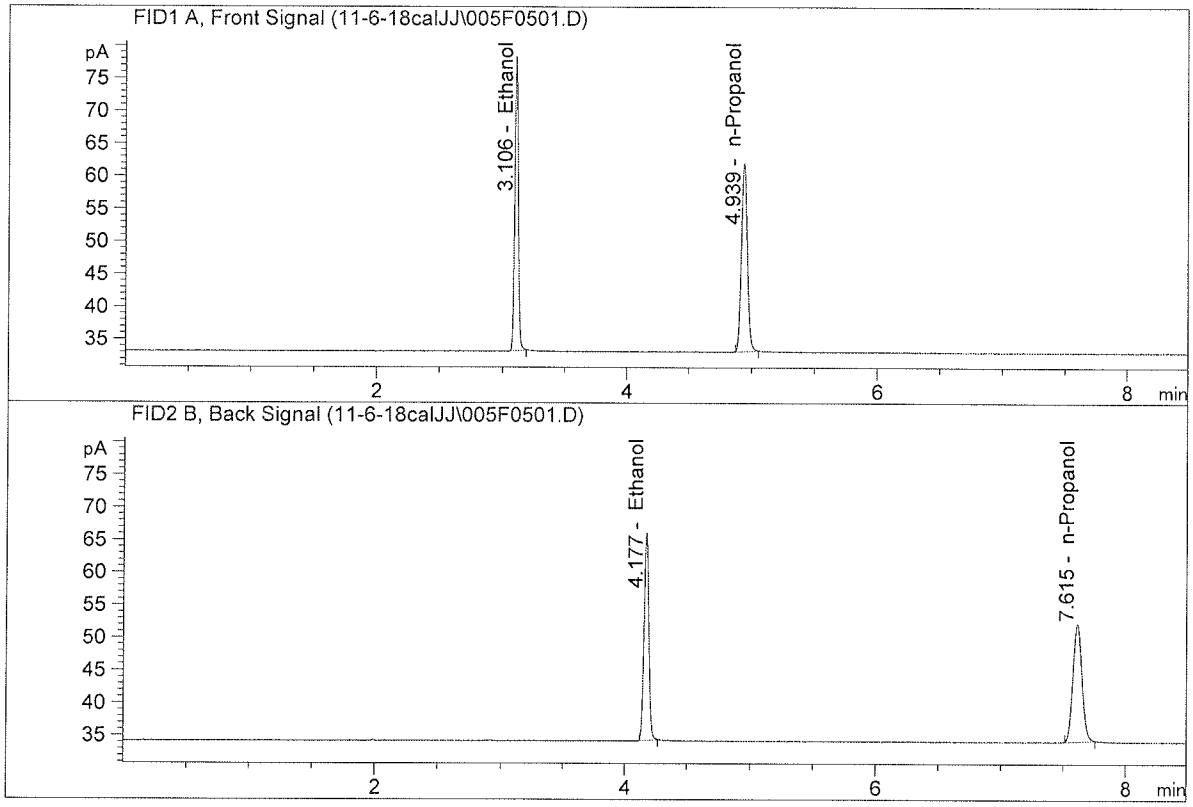
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.06878	0.3000	g/100cc
2.	Ethanol	Column 2:	51.70463	0.2987	g/100cc
3.	n-Propanol	Column 1:	94.24678	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.99078	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

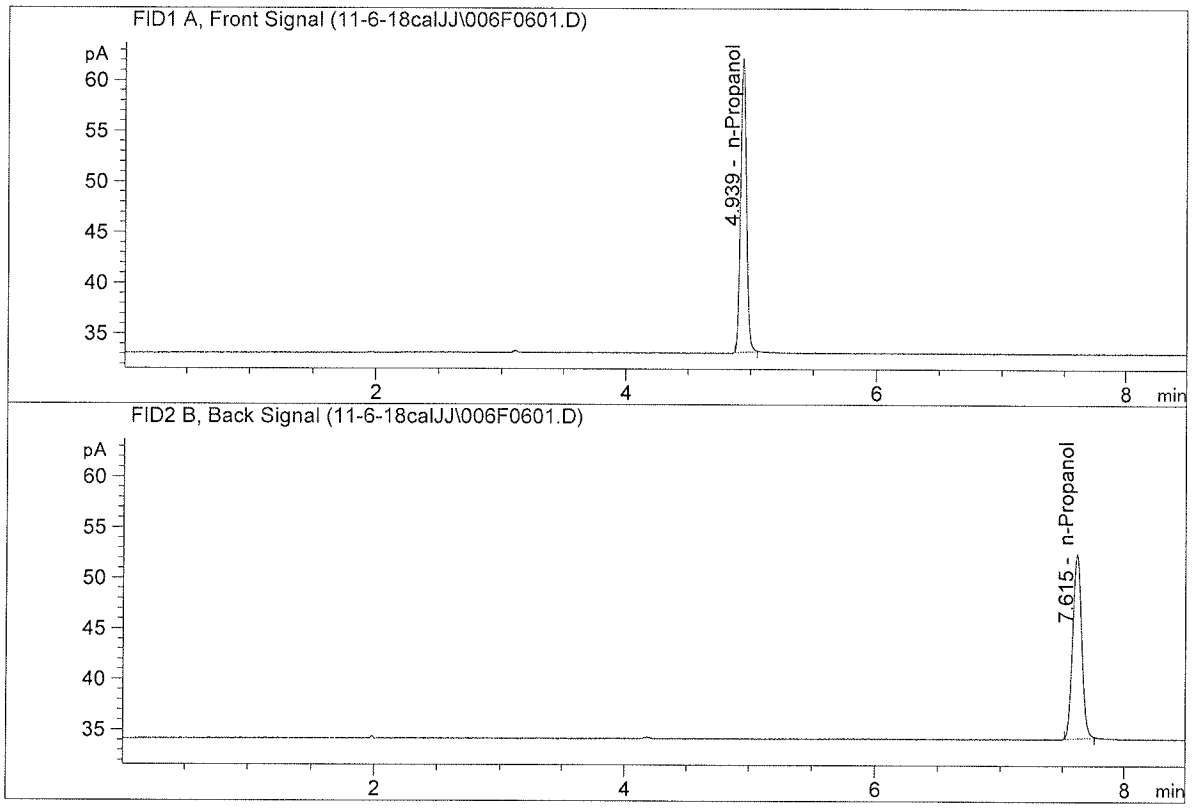
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	89.25224	0.4992	g/100cc
2.	Ethanol	Column 2:	87.61684	0.5011	g/100cc
3.	n-Propanol	Column 1:	95.25841	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.90382	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

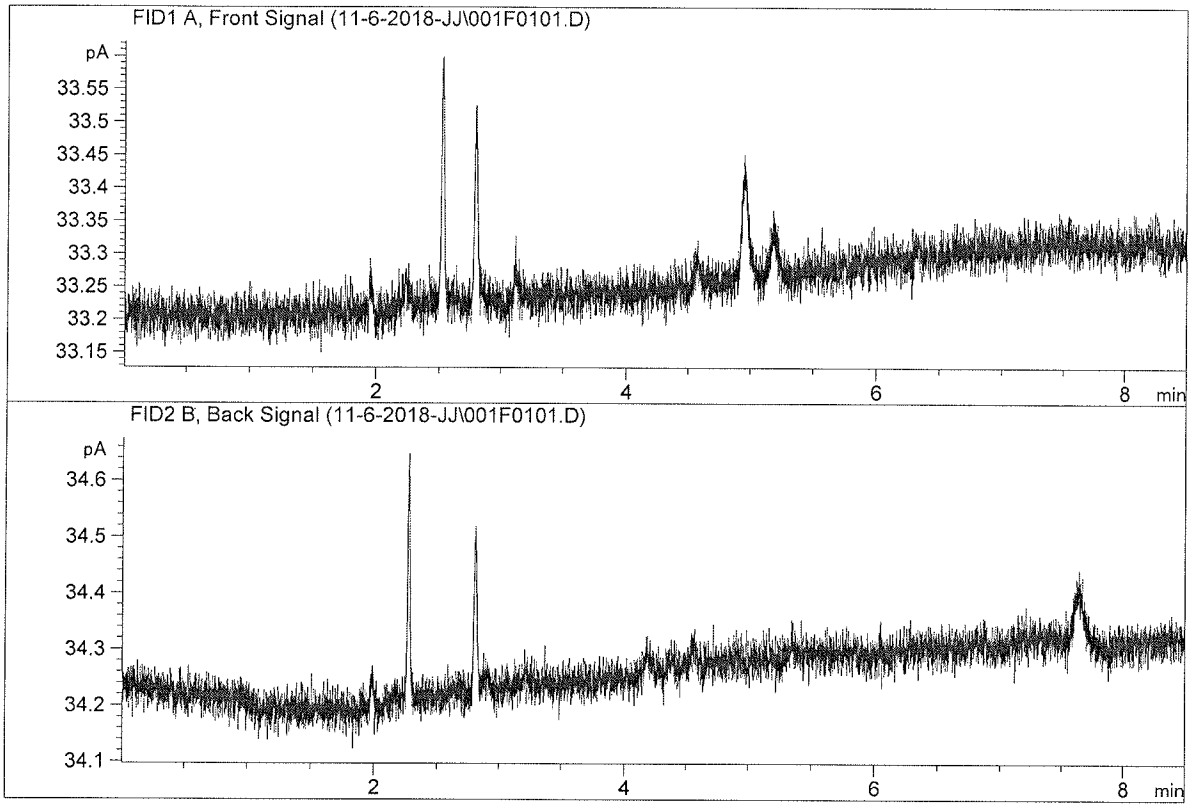
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	95.73525	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.95830	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

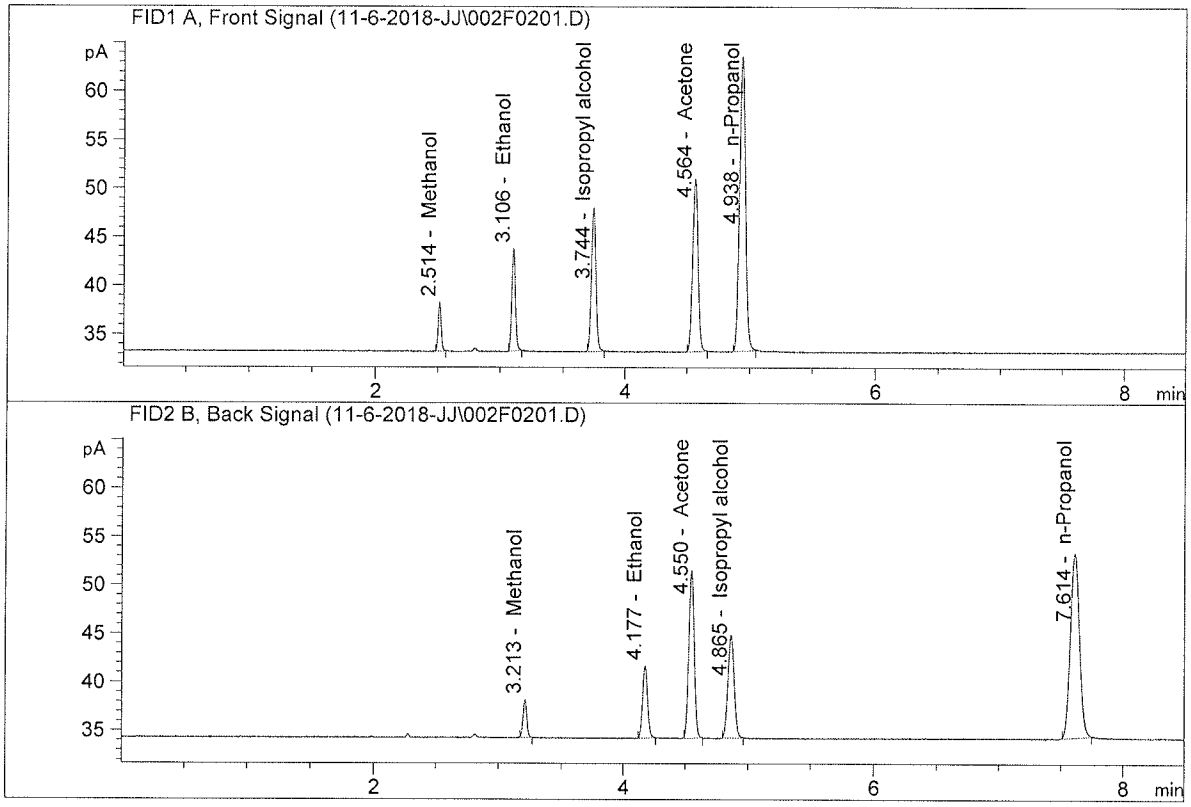
Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Nov 6, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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

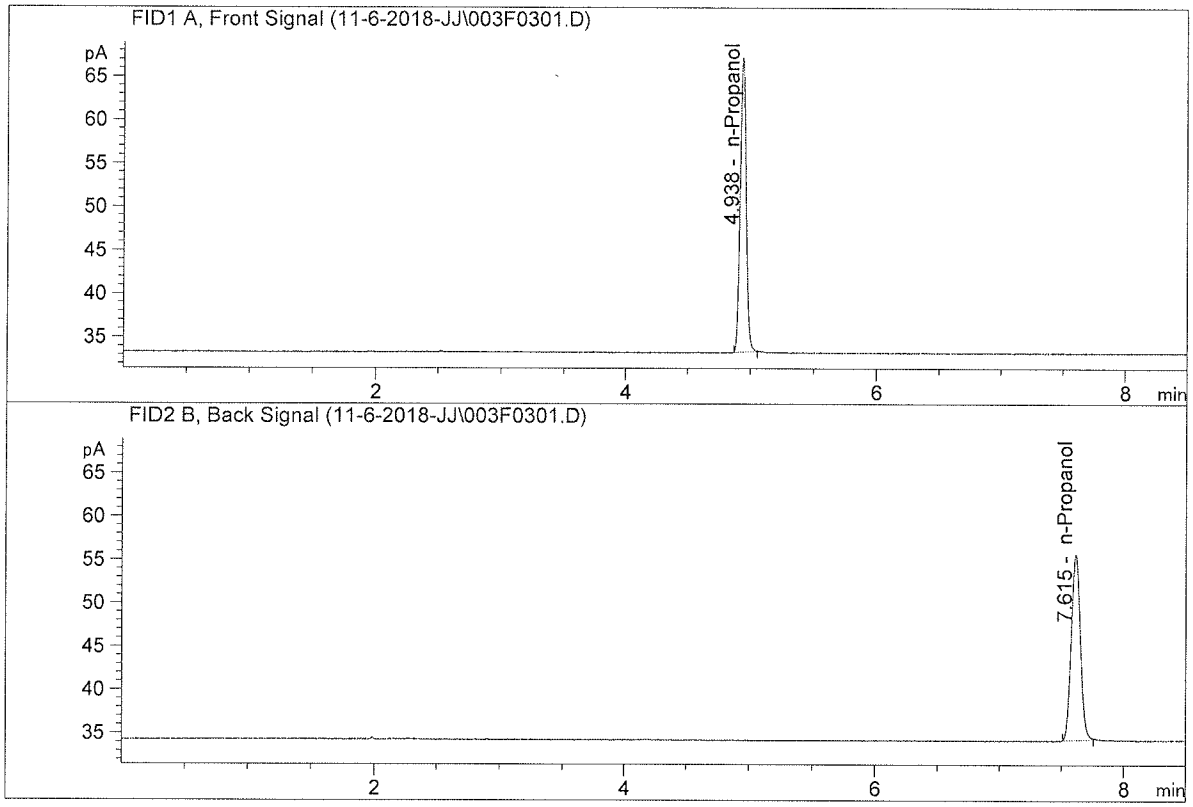
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.02606	0.1121	g/100cc
2.	Ethanol	Column 2:	20.69314	0.1121	g/100cc
3.	n-Propanol	Column 1:	99.96780	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.01791	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 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:	111.84824	1.0000	g/100cc
4.	n-Propanol	Column 2:	108.32774	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 06 Nov 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0765	0.0746	0.0019	0.0755	0.0756	
(g/100cc)	0.0762	0.0752	0.0010	0.0757		

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
0.075	**0.071**	**0.079**	**0.004**

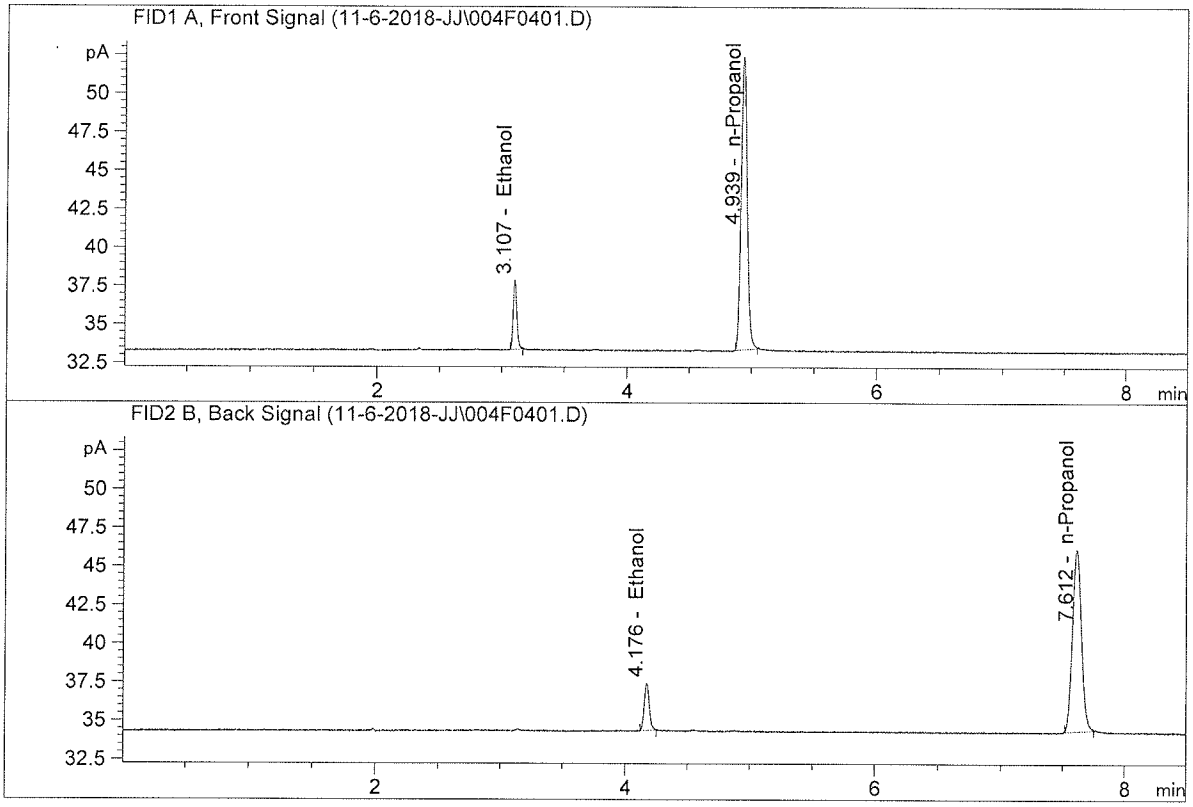
Reported Result

0.075

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

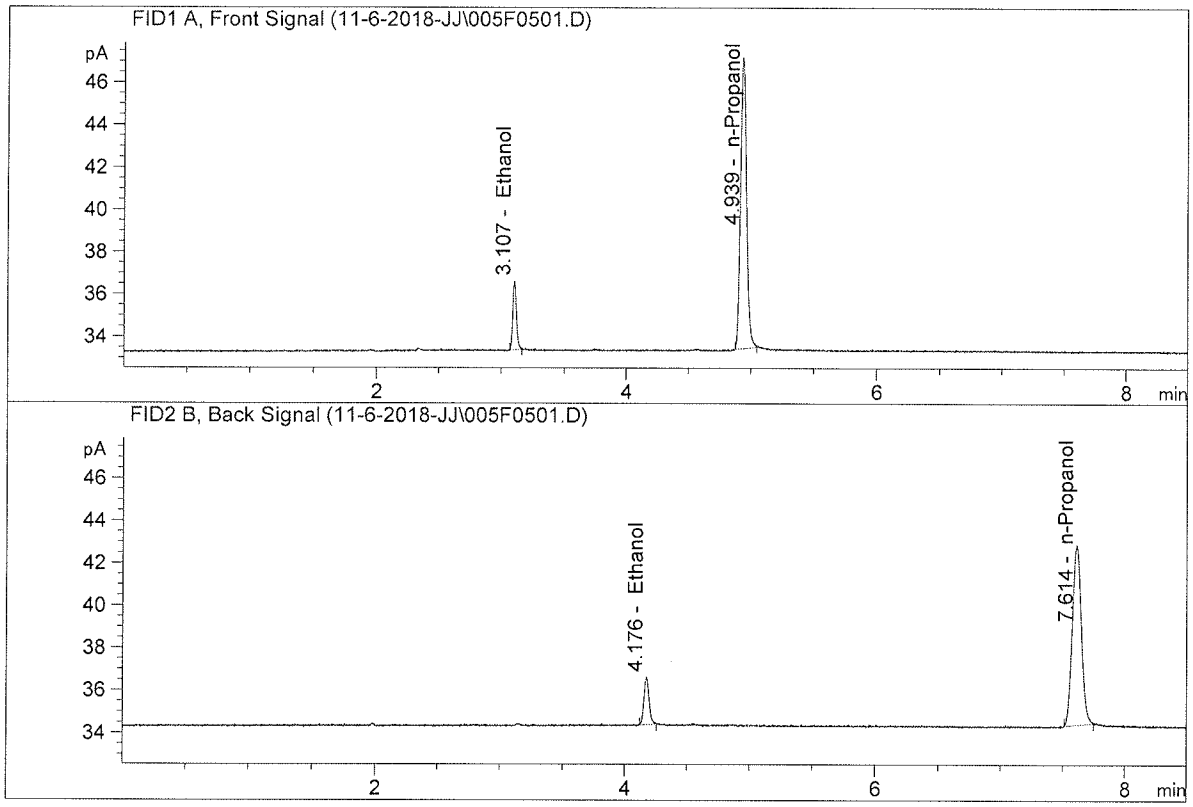
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.07283	0.0765	g/100cc
2.	Ethanol	Column 2:	8.57450	0.0746	g/100cc
3.	n-Propanol	Column 1:	63.17148	1.0000	g/100cc
4.	n-Propanol	Column 2:	59.74426	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.56948	0.0762	g/100cc
2.	Ethanol	Column 2:	6.23416	0.0752	g/100cc
3.	n-Propanol	Column 1:	45.91785	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.08077	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 06 Nov 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0781	0.0766	0.0015	0.0773	0.0777	
(g/100cc)	0.0789	0.0775	0.0014	0.0782		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

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

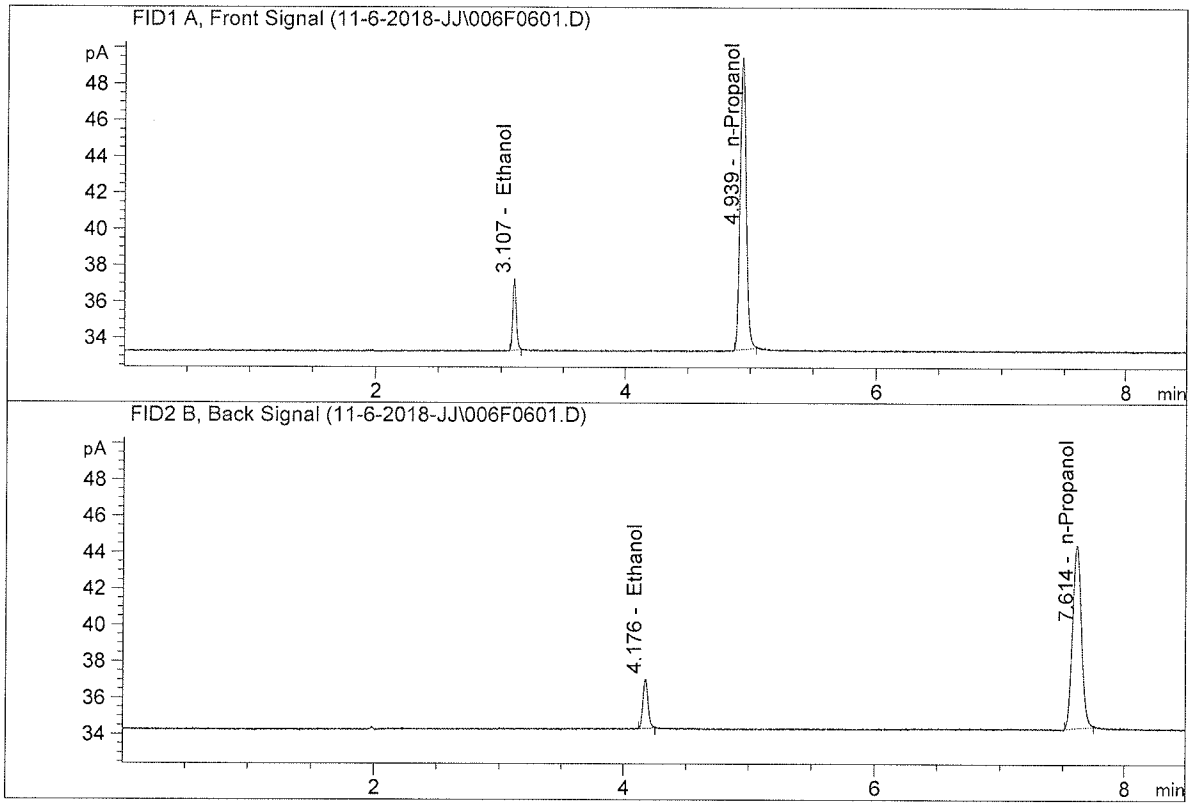
Reported Result

0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

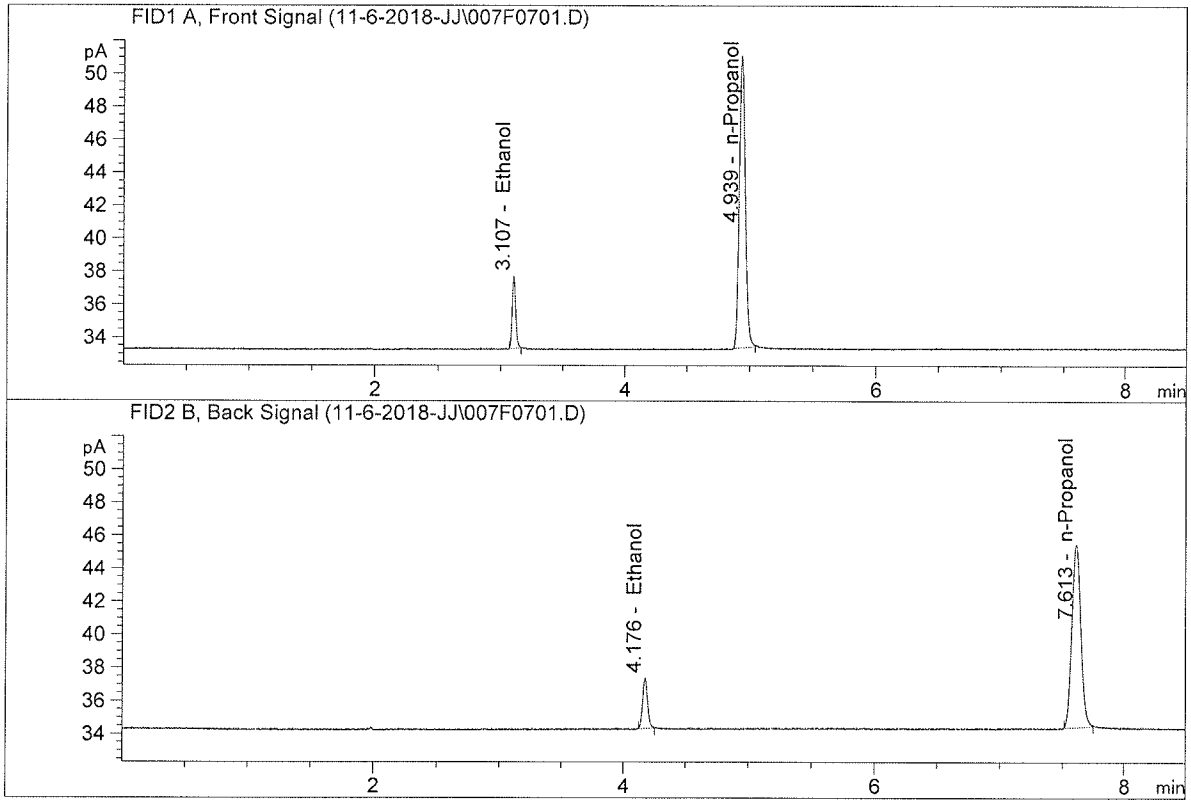
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.86330	0.0781	g/100cc
2.	Ethanol	Column 2:	7.50846	0.0766	g/100cc
3.	n-Propanol	Column 1:	53.62405	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.94521	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.71659	0.0789	g/100cc
2.	Ethanol	Column 2:	8.37449	0.0775	g/100cc
3.	n-Propanol	Column 1:	58.82808	1.0000	g/100cc
4.	n-Propanol	Column 2:	56.15338	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 06 Nov 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0790	0.0011	0.0795	0.0789	
(g/100cc)	0.0787	0.0780	0.0007	0.0783		

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%**

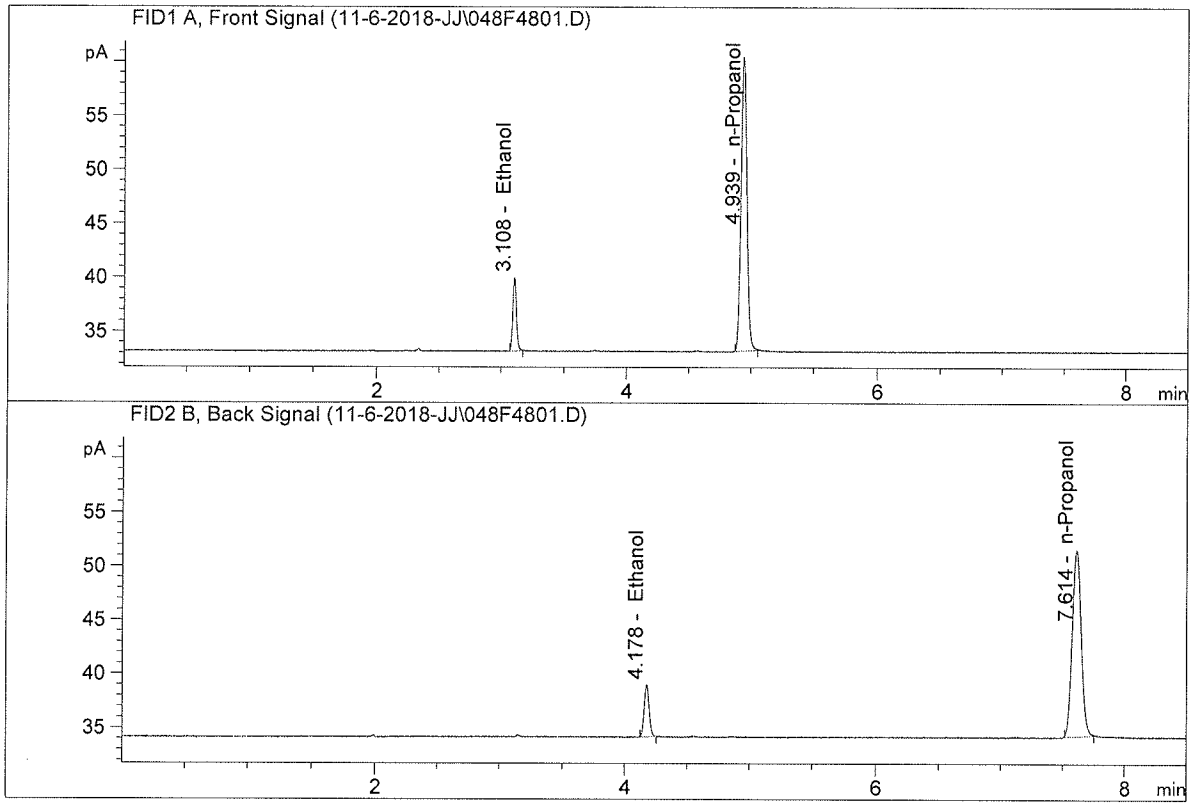
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

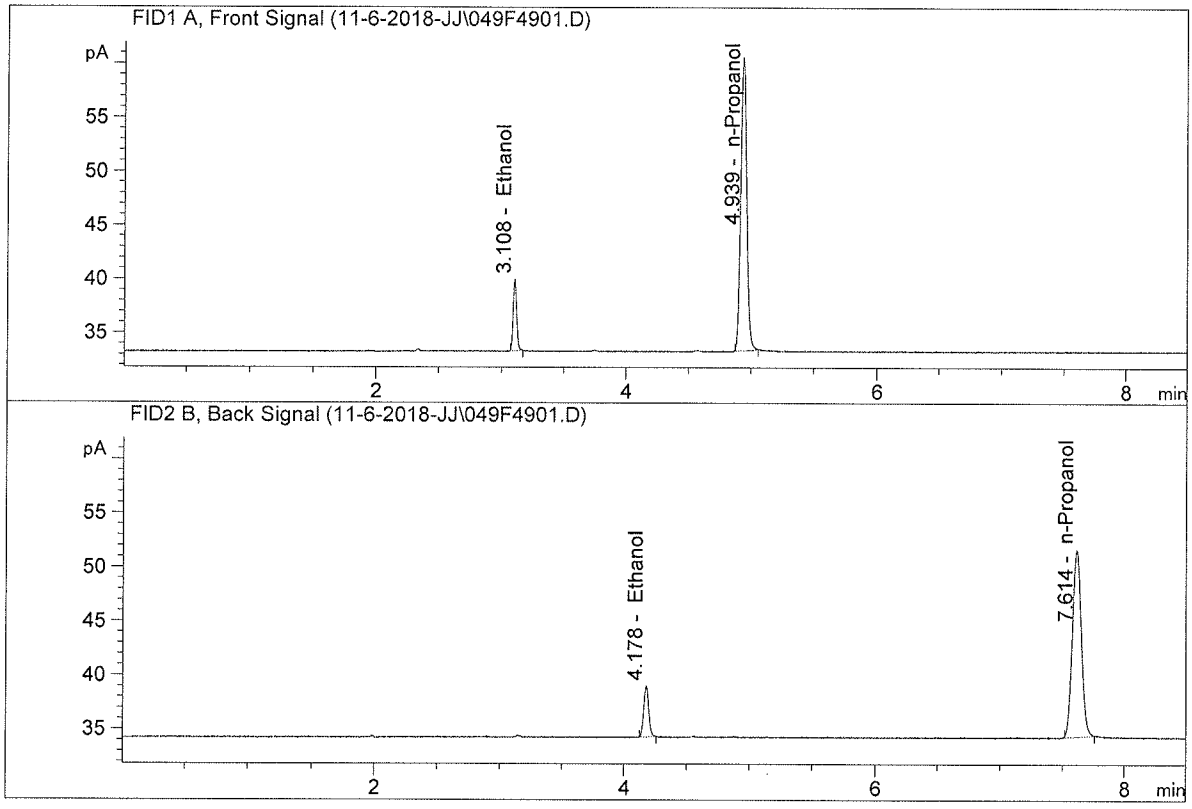
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.49275	0.0801	g/100cc
2.	Ethanol	Column 2:	13.27429	0.0790	g/100cc
3.	n-Propanol	Column 1:	89.72742	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.38314	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Nov 7, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.24620	0.0787	g/100cc
2.	Ethanol	Column 2:	13.10266	0.0780	g/100cc
3.	n-Propanol	Column 1:	89.63160	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.33528	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 06 Nov 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1885	0.1889	0.0004	0.1887	0.1897	
(g/100cc)	0.1902	0.1913	0.0011	0.1907		

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
0.189	**0.179**	**0.199**	**0.010**

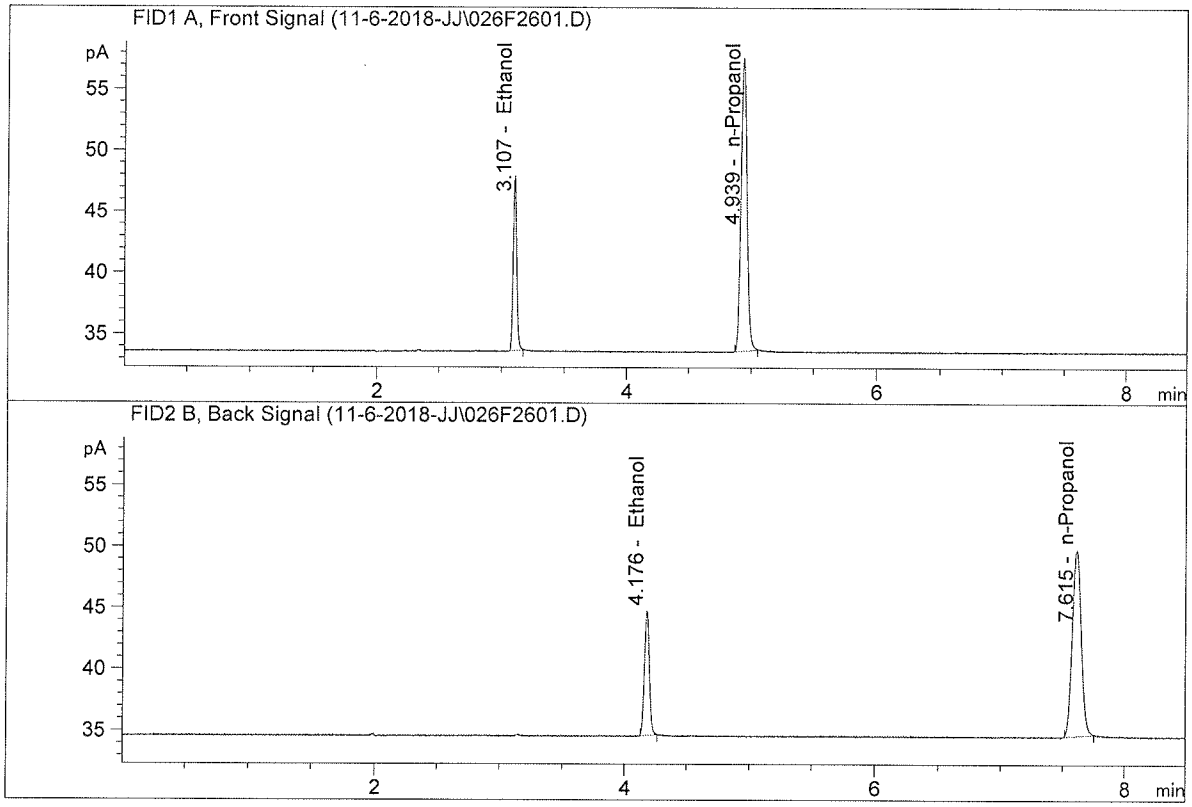
Reported Result

0.189

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

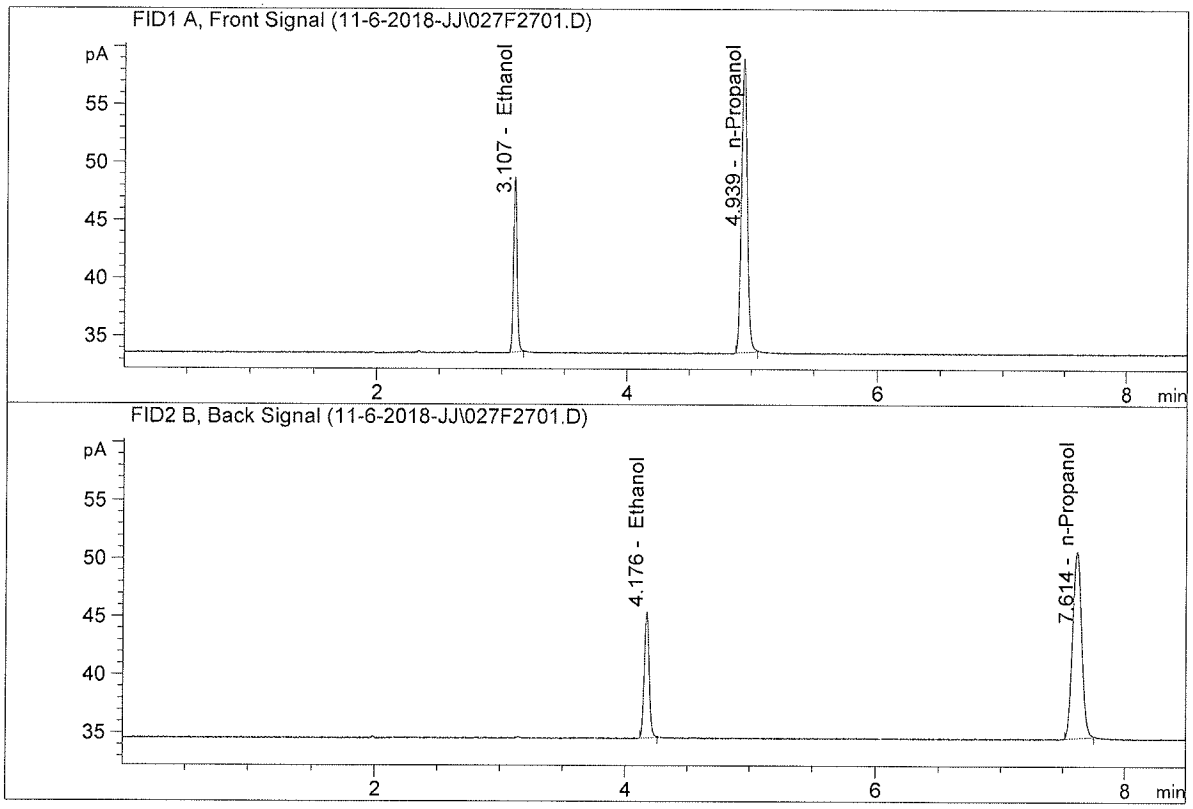
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Nov 6, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.91166	0.1885	g/100cc
2.	Ethanol	Column 2:	27.90581	0.1889	g/100cc
3.	n-Propanol	Column 1:	78.87096	1.0000	g/100cc
4.	n-Propanol	Column 2:	76.82357	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC-2-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Nov 6, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	29.78315	0.1902	g/100cc
2.	Ethanol	Column 2:	29.89887	0.1913	g/100cc
3.	n-Propanol	Column 1:	83.42262	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.28196	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 07 Nov 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0794	0.0788	0.0006	0.0791	0.0786	
(g/100cc)	0.0785	0.0778	0.0007	0.0781		

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%

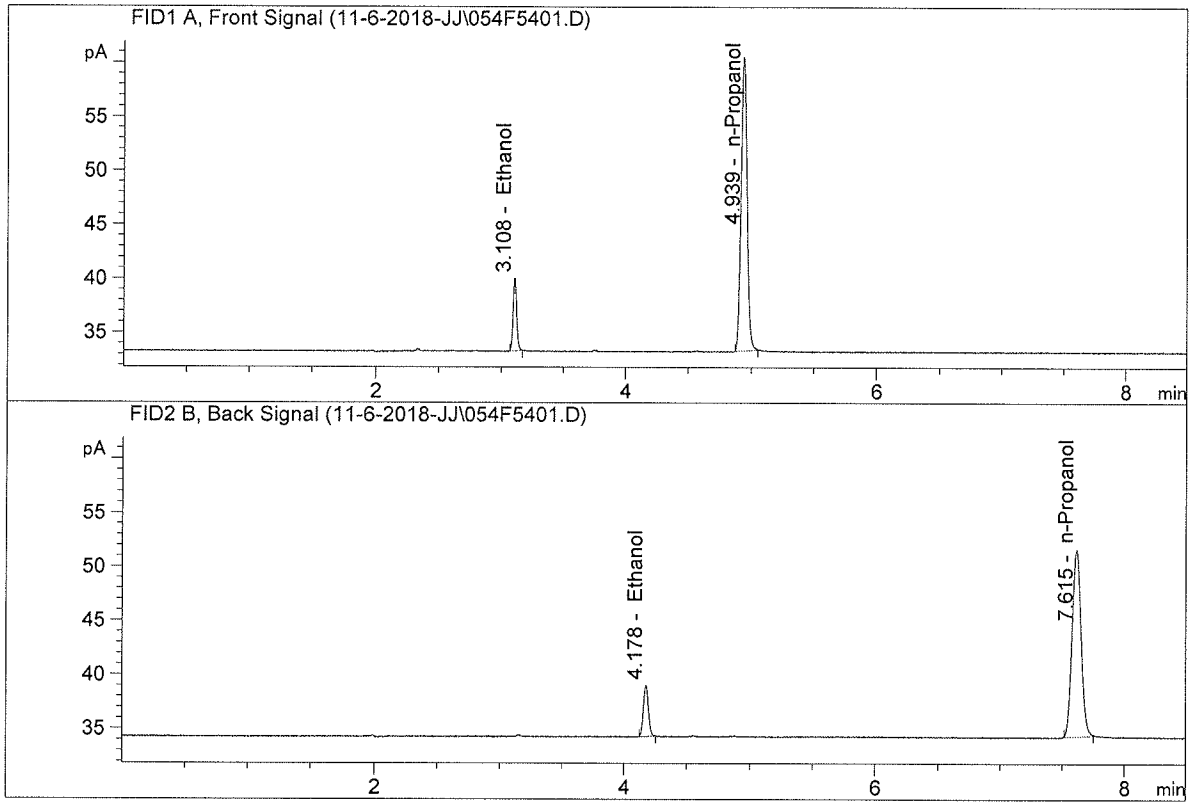
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

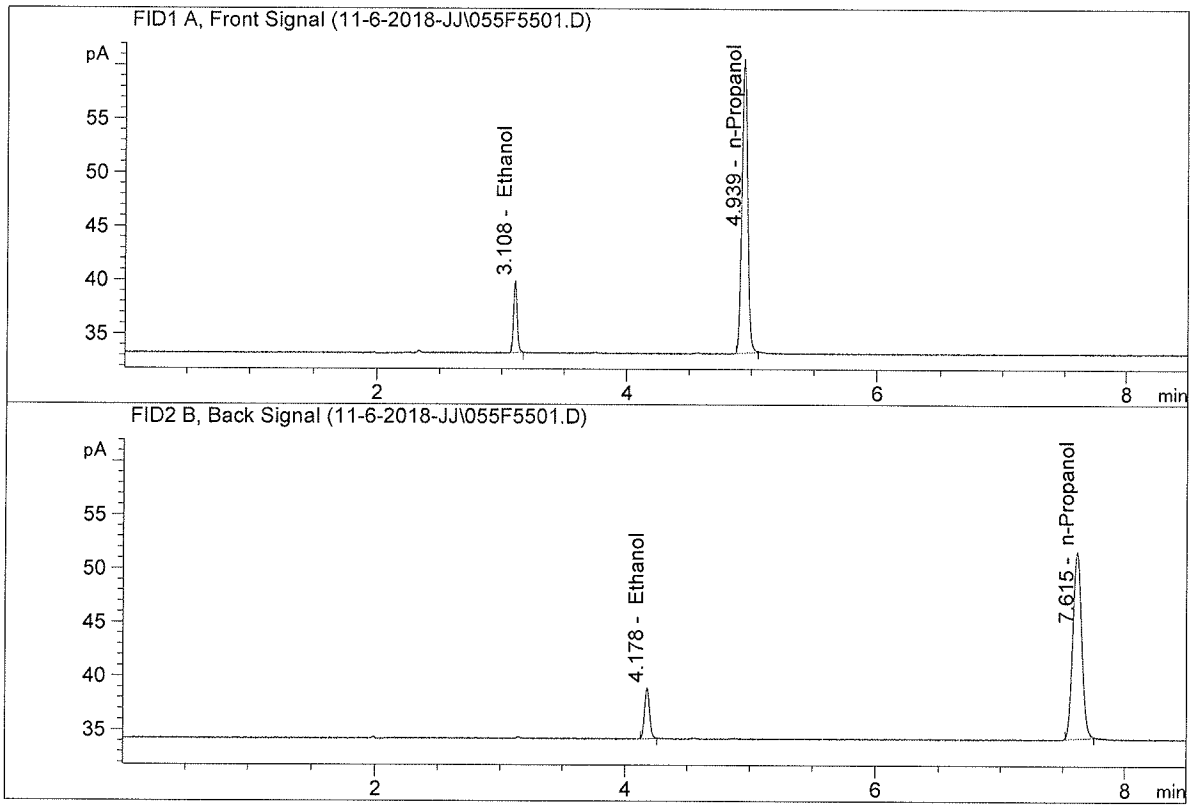
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Nov 7, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.35897	0.0794	g/100cc
2.	Ethanol	Column 2:	13.20460	0.0788	g/100cc
3.	n-Propanol	Column 1:	89.65527	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.16324	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

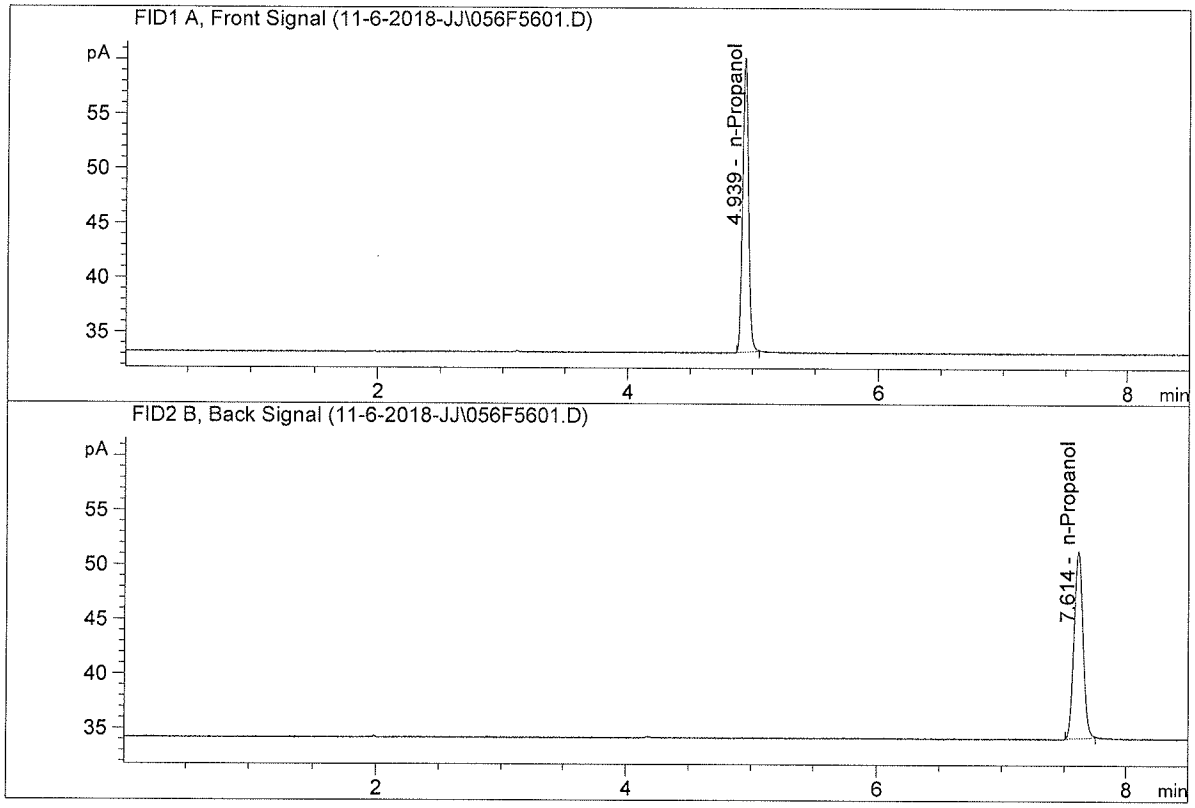
Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Nov 7, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.26820	0.0785	g/100cc
2.	Ethanol	Column 2:	13.08087	0.0778	g/100cc
3.	n-Propanol	Column 1:	90.10372	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.46494	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Nov 7, 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:	88.65314	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.29763	1.0000	g/100cc