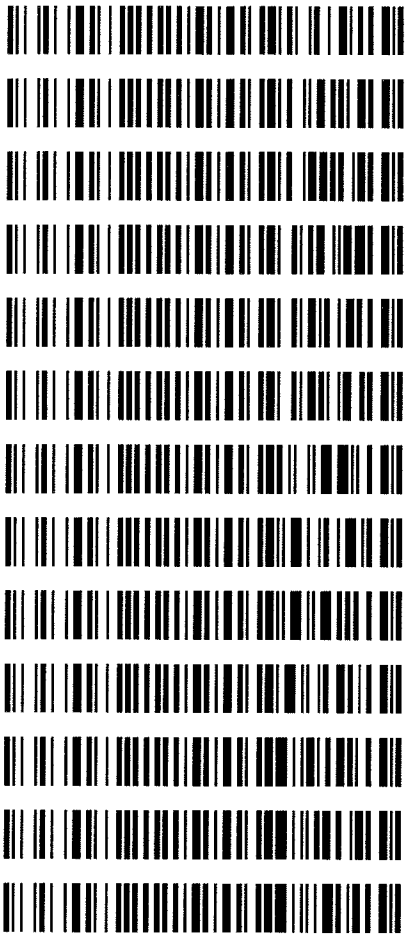
Worklist: 2880

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-2602	1	135722	Alcohol Analysis
C2018-2611	1	135792	Alcohol Analysis
C2019-0001	1	135812	Alcohol Analysis
C2019-0005	1	135865	Alcohol Analysis
C2019-0006	1	135866	Alcohol Analysis
C2019-0007	1	135872	Alcohol Analysis
C2019-0036	1	136116	Alcohol Analysis
C2019-0044	1	136354	Alcohol Analysis
C2019-0054	1	136399	Alcohol Analysis
C2019-0080	1	136640	Alcohol Analysis
C2019-0086	1	136924	Alcohol Analysis
C2019-0096	1	136973	Alcohol Analysis
C2019-0099	1	137006	Alcohol Analysis



99

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls **Run Date(s): 1/11/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0770 g/100cc
					g/100cc
					g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1951 g/100cc
					0.1983 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:	**Column 1**	0.99999	**Column2**		0.99997

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0502	0.0490	0.0012	0.0496
100	0.100	0.090 - 0.110	0.0987	0.0972	0.0015	0.0979
200	0.200	0.180 - 0.220	0.1980	0.1971	0.0009	0.1975
300	0.300	0.270 - 0.330	0.2997	0.2994	0.0003	0.2995
500	0.500	0.450 - 0.550	0.5012	0.5022	0.001	0.5017

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

99

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_11.01.2019_03.40.30\1-11-2019.S
Data directory path: C:\Chem32\1\Data\1-11-2019-JJ
Logbook: C:\Chem32\1\Data\1-11-2019-JJ\1-11-2019.LOG
Sequence start: 1/11/2019 3:54:16 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 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2018-2602-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-2602-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-2611-1-A	-	1.0000	010F1001.D		6
11	11	1	C2018-2611-1-B	-	1.0000	011F1101.D		6
12	12	1	C2019-0001-1-A	-	1.0000	012F1201.D		4
13	13	1	C2019-0001-1-B	-	1.0000	013F1301.D		4
14	14	1	C2019-0005-1-A	-	1.0000	014F1401.D		4
15	15	1	C2019-0005-1-B	-	1.0000	015F1501.D		4
16	16	1	C2019-0006-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-0006-1-B	-	1.0000	017F1701.D		4
18	18	1	C2019-0007-1-A	-	1.0000	018F1801.D		2
19	19	1	C2019-0007-1-B	-	1.0000	019F1901.D		2
20	20	1	C2019-0036-1-A	-	1.0000	020F2001.D		6
21	21	1	C2019-0036-1-B	-	1.0000	021F2101.D		6
22	22	1	C2019-0044-1-A	-	1.0000	022F2201.D		2
23	23	1	C2019-0044-1-B	-	1.0000	023F2301.D		2
24	24	1	C2019-0054-1-A	-	1.0000	024F2401.D		4
25	25	1	C2019-0054-1-B	-	1.0000	025F2501.D		4
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	C2019-0080-1-A	-	1.0000	028F2801.D		2
29	29	1	C2019-0080-1-B	-	1.0000	029F2901.D		2
30	30	1	C2019-0086-1-A	-	1.0000	030F3001.D		4
31	31	1	C2019-0086-1-B	-	1.0000	031F3101.D		4
32	32	1	C2019-0096-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-0096-1-B	-	1.0000	033F3301.D		6
34	34	1	C2019-0099-1-A	-	1.0000	034F3401.D		4
35	35	1	C2019-0099-1-B	-	1.0000	035F3501.D		4
36	36	1	QC-2-A	-	1.0000	036F3601.D		4
37	37	1	QC-2-B	-	1.0000	037F3701.D		4
38	38	1	ISTD BLANK	-	1.0000	038F3801.D		2
39	39	1	wipe-A	-	1.0000	039F3901.D		2
40	40	1	wipe-B	-	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 : Friday, January 11, 2019 3:24:25 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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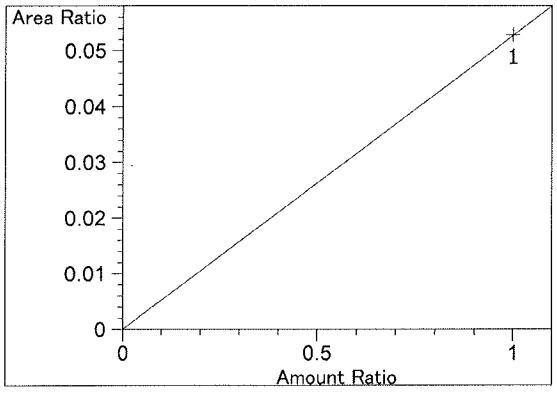
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.106	1	1	5.00000e-2	9.10308	5.49265e-3	No	No	1	Ethanol
		2	1.00000e-1	18.10551	5.52318e-3				
		3	2.00000e-1	36.66178	5.45527e-3				
		4	3.00000e-1	55.89143	5.36755e-3				
		5	5.00000e-1	92.89666	5.38232e-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	9.02641	5.53930e-3	No	No	2	Ethanol
		2	1.00000e-1	18.13193	5.51513e-3				
		3	2.00000e-1	36.98161	5.40809e-3				
		4	3.00000e-1	56.59264	5.30104e-3				
		5	5.00000e-1	94.25864	5.30455e-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
4.938	1	1	1.00000	95.10295	1.05149e-2	No	Yes	1	n-Propanol
		2	1.00000	96.27563	1.03868e-2				
		3	1.00000	97.16865	1.02914e-2				
		4	1.00000	97.89060	1.02155e-2				
		5	1.00000	97.28366	1.02792e-2				
7.614	2	1	1.00000	94.69247	1.05605e-2	No	Yes	2	n-Propanol
		2	1.00000	95.82741	1.04354e-2				
		3	1.00000	96.42460	1.03708e-2				
		4	1.00000	97.12131	1.02964e-2				
		5	1.00000	96.45580	1.03674e-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: 5.28025e-2
x: Amount Ratio
y: Area Ratio

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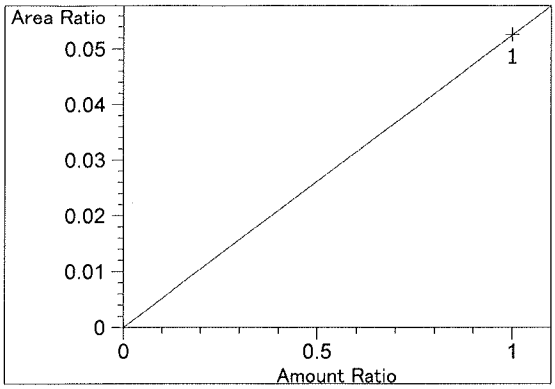
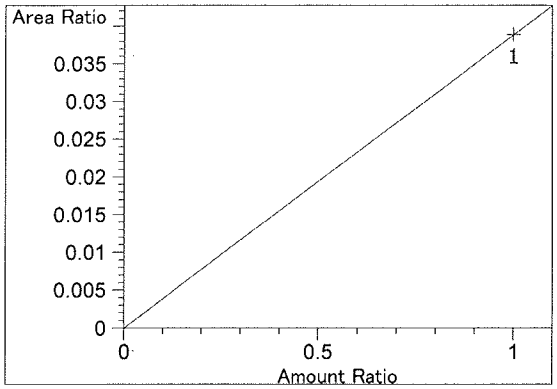
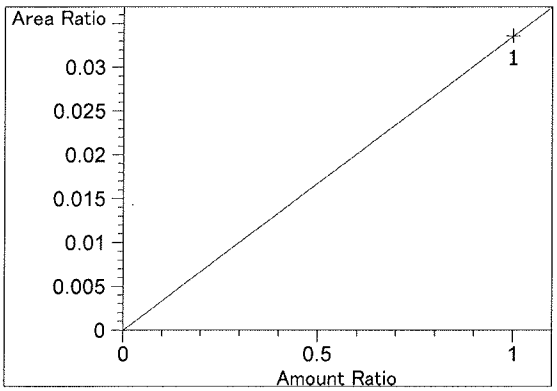


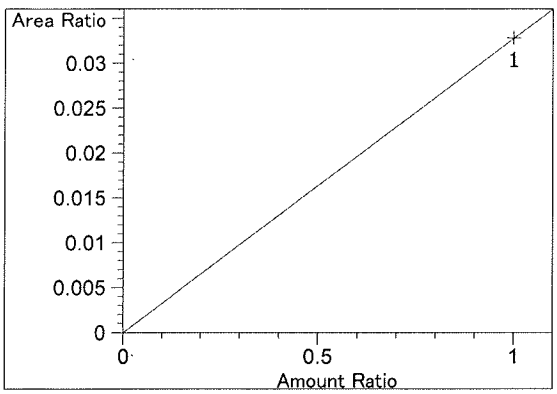
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.25746e-2
x: Amount Ratio
y: Area Ratio



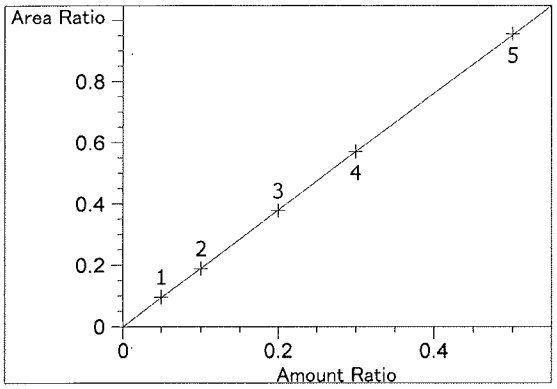
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.88705e-2
x: Amount Ratio
y: Area Ratio



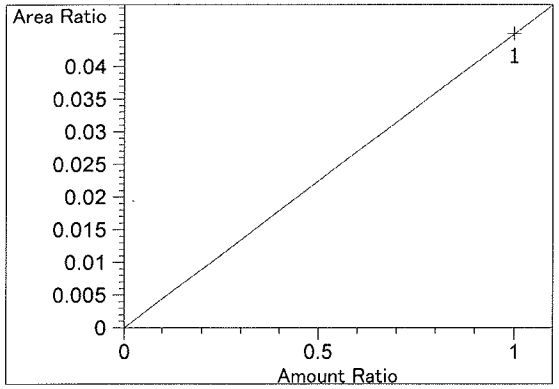
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.35753e-2
x: Amount Ratio
y: Area Ratio



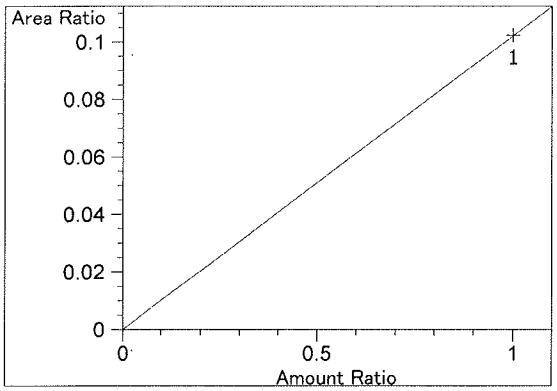
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.27983e-2
x: Amount Ratio
y: Area Ratio



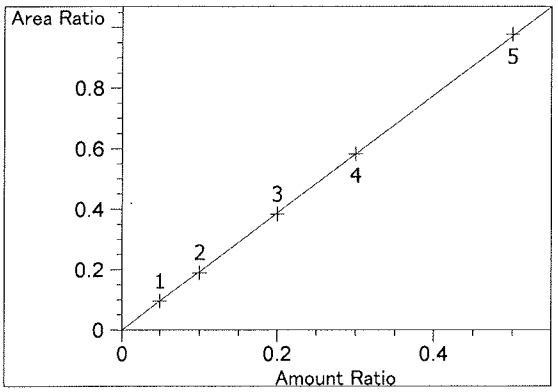
Ethanol at exp. RT: 3.106
FID1 A, Front Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00255
Formula: y = mx
m: 1.90520
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.49943e-2
x: Amount Ratio
y: Area Ratio

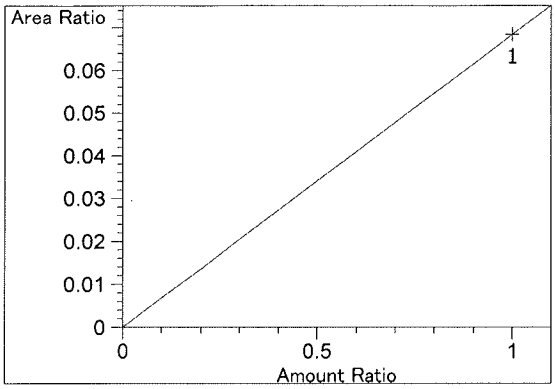


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.02316e-1
x: Amount Ratio
y: Area Ratio

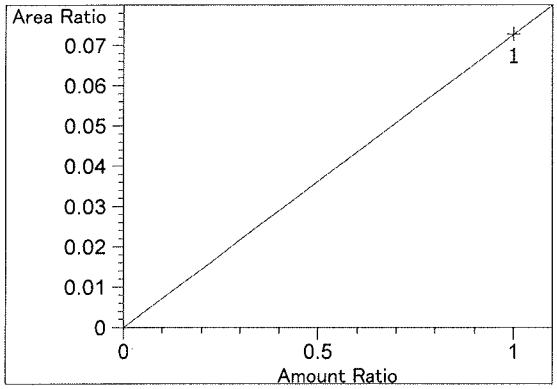


Ethanol at exp. RT: 4.176
FID2 B, Back Signal
Correlation: 0.99997 ✓
Residual Std. Dev.: 0.00459
Formula: y = mx
m: 1.94602
x: Amount Ratio
y: Area Ratio

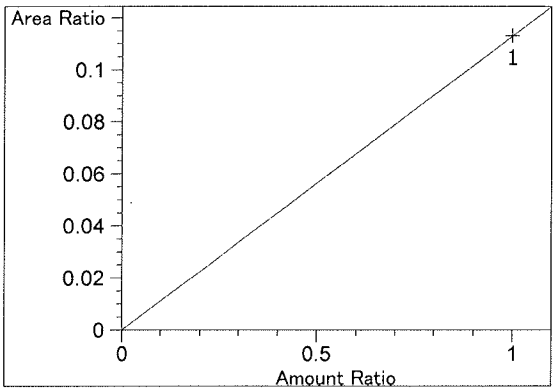
91



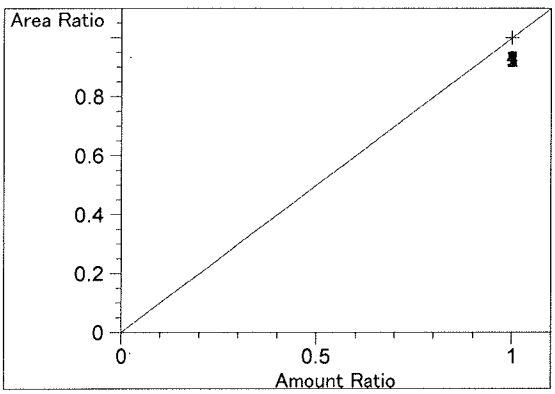
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.83407e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.27936e-2
x: Amount Ratio
y: Area Ratio

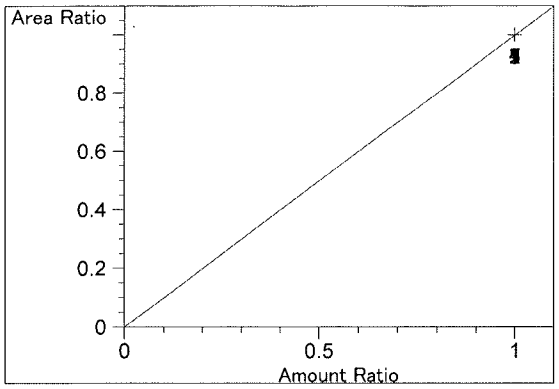


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.13065e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.938
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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



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

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_11.01.2019_01.58.00\1-11-19cal.S

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_11.01.2019_01.58.00\1-11-19cal.S
Data directory path: C:\Chem32\1\Data\1-11-19calJJ
Logbook: C:\Chem32\1\Data\1-11-19calJJ\1-11-19cal.LOG
Sequence start: 1/11/2019 2:11:41 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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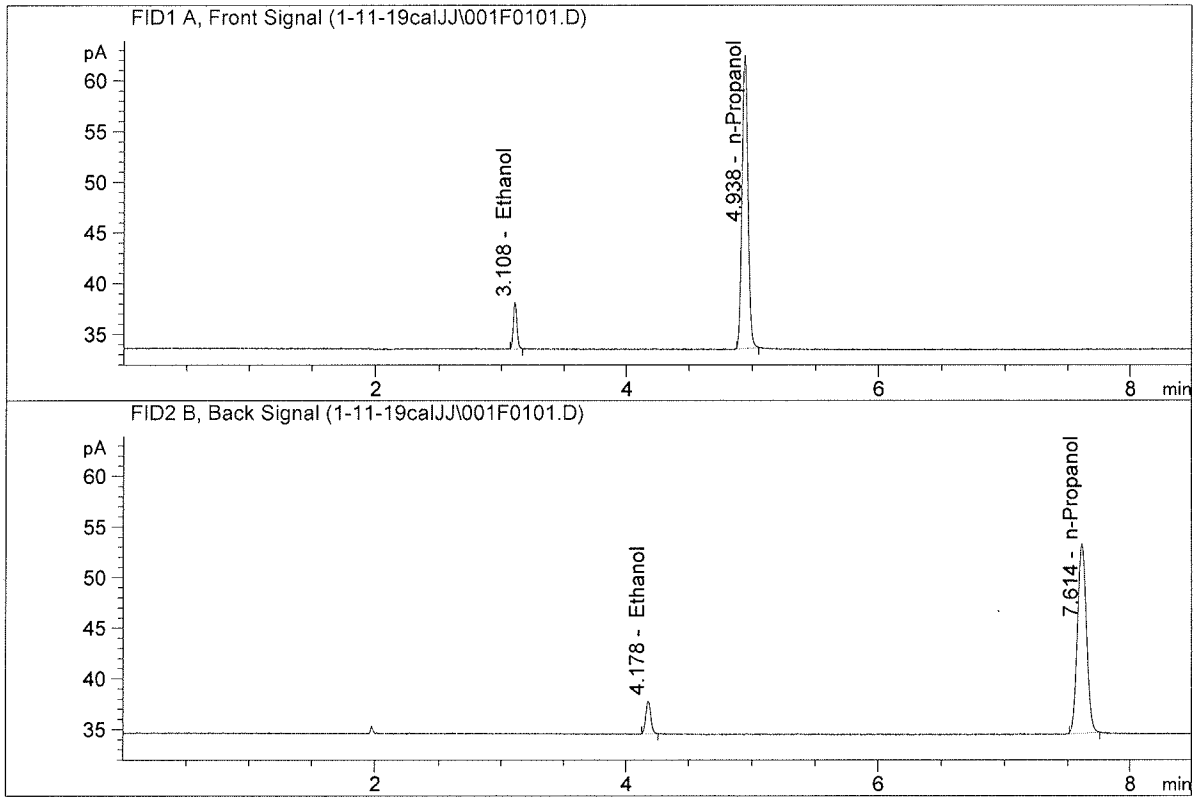
ISP Forensic Services Blood Alcohol Report

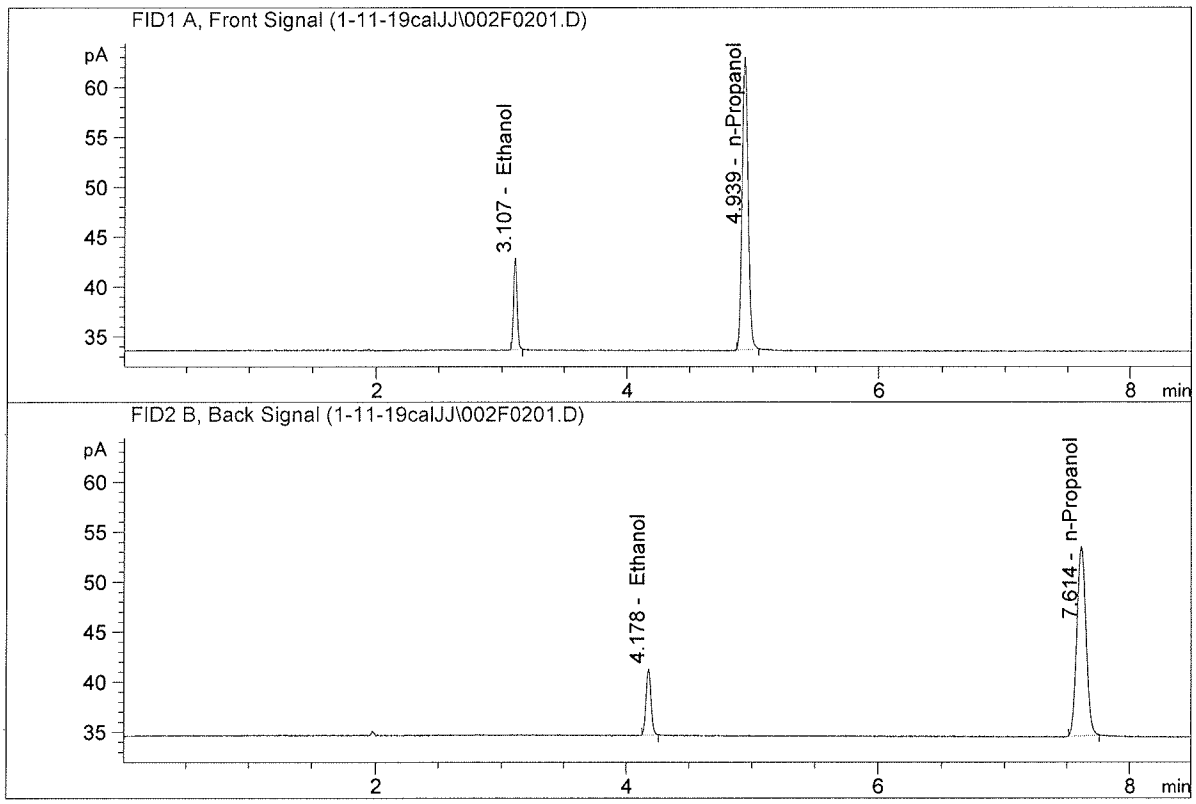
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.10308	0.0502	g/100cc
2.	Ethanol	Column 2:	9.02641	0.0490	g/100cc
3.	n-Propanol	Column 1:	95.10295	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.69247	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

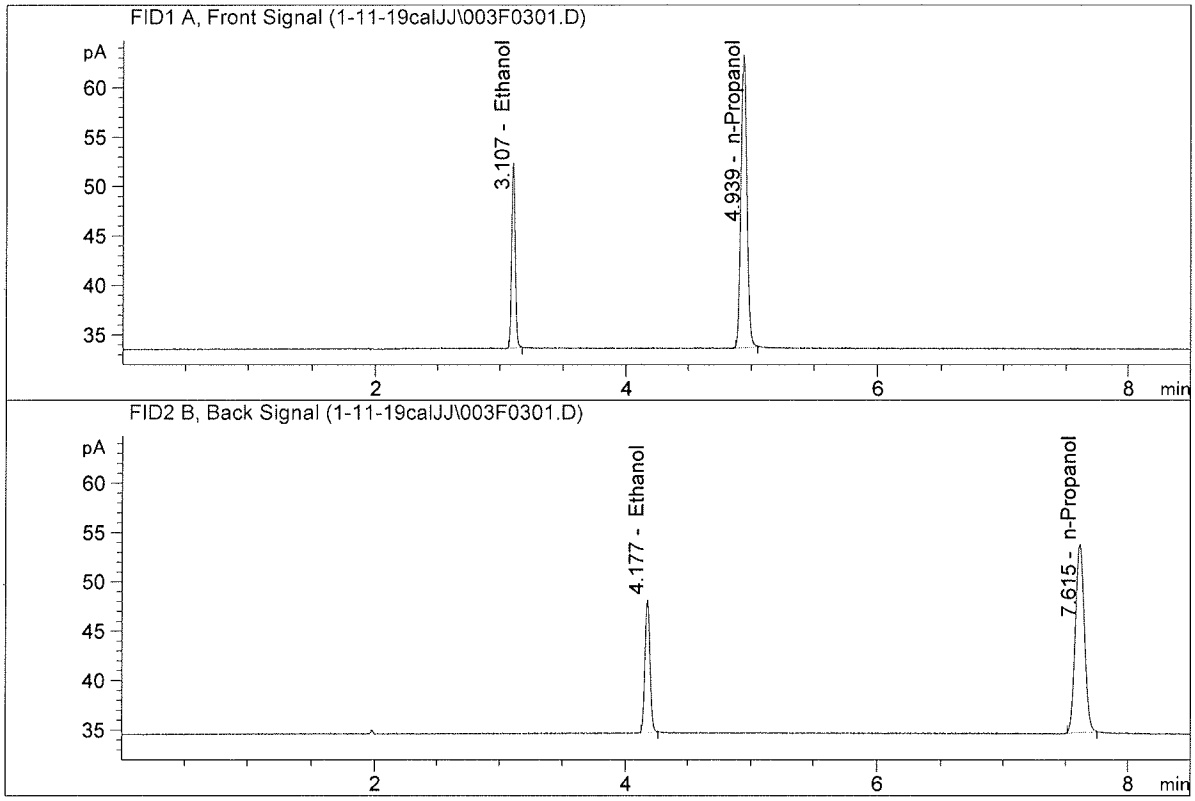
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.10551	0.0987	g/100cc
2.	Ethanol	Column 2:	18.13193	0.0972	g/100cc
3.	n-Propanol	Column 1:	96.27563	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.82741	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

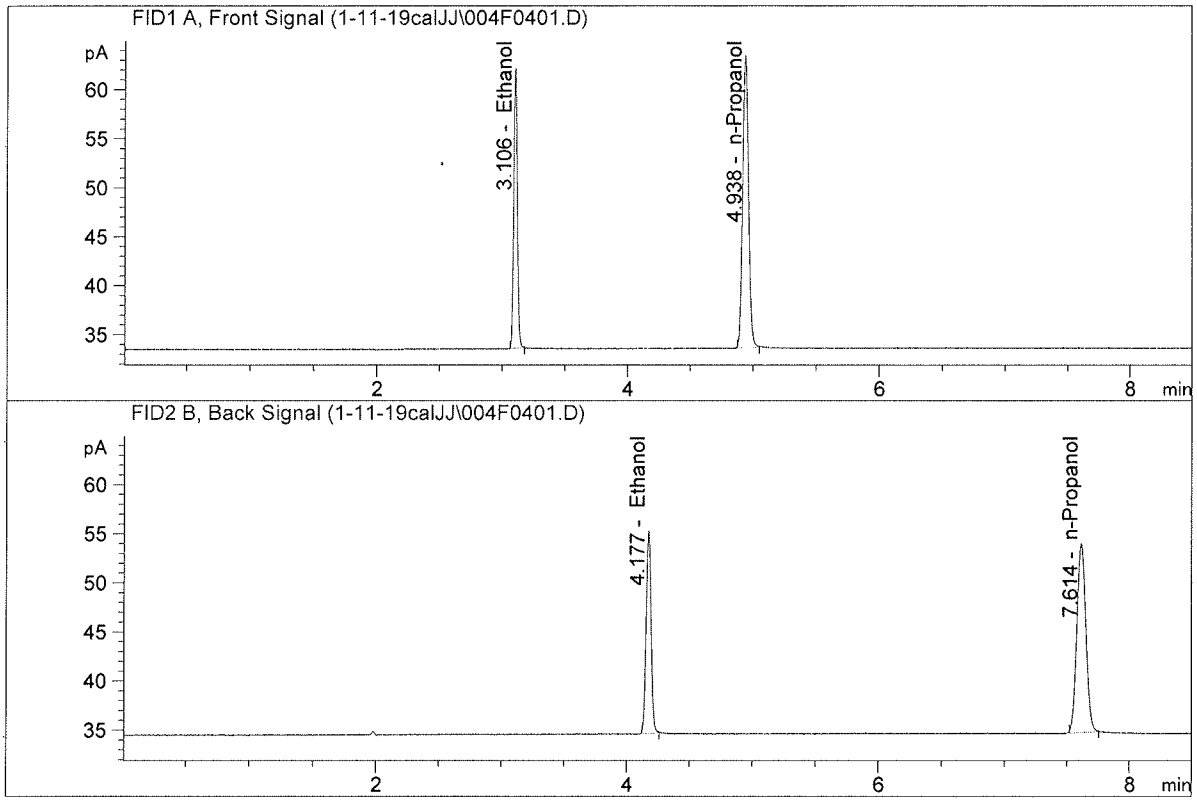
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.66178	0.1980	g/100cc
2.	Ethanol	Column 2:	36.98161	0.1971	g/100cc
3.	n-Propanol	Column 1:	97.16865	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.42460	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

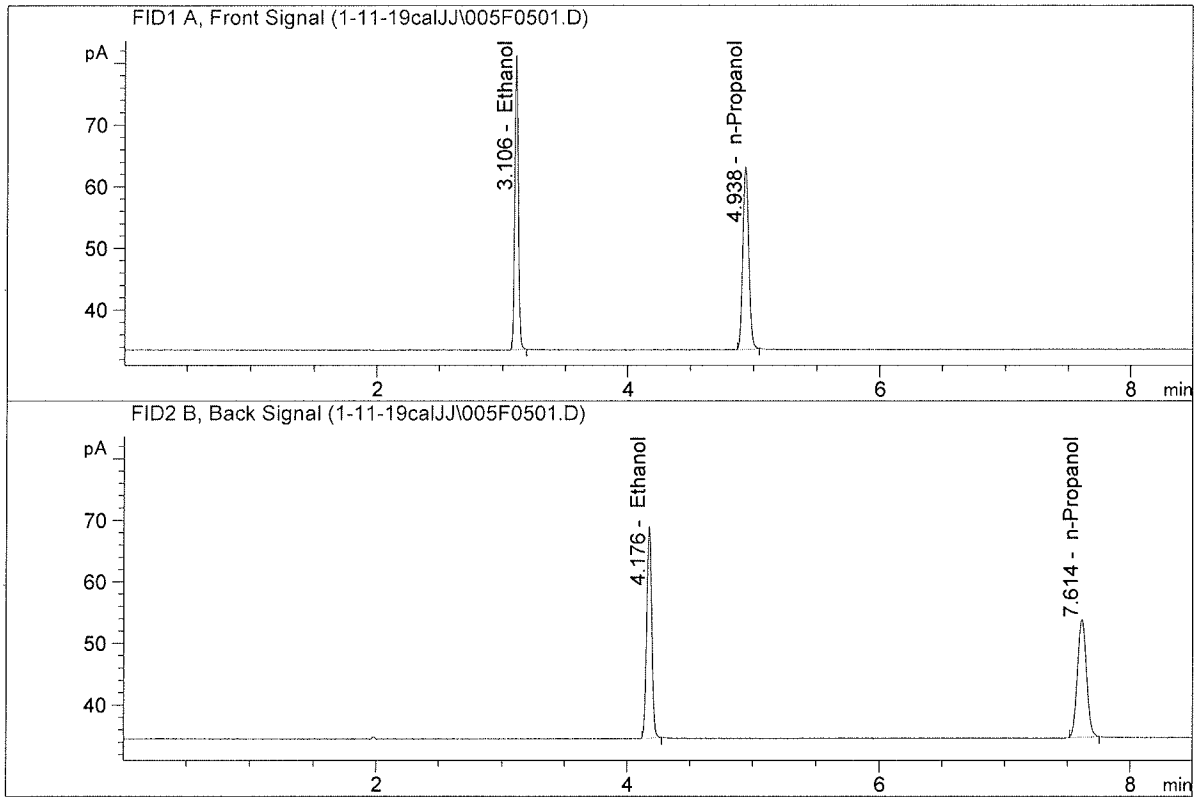
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.89143	0.2997	g/100cc
2.	Ethanol	Column 2:	56.59264	0.2994	g/100cc
3.	n-Propanol	Column 1:	97.89060	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.12131	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

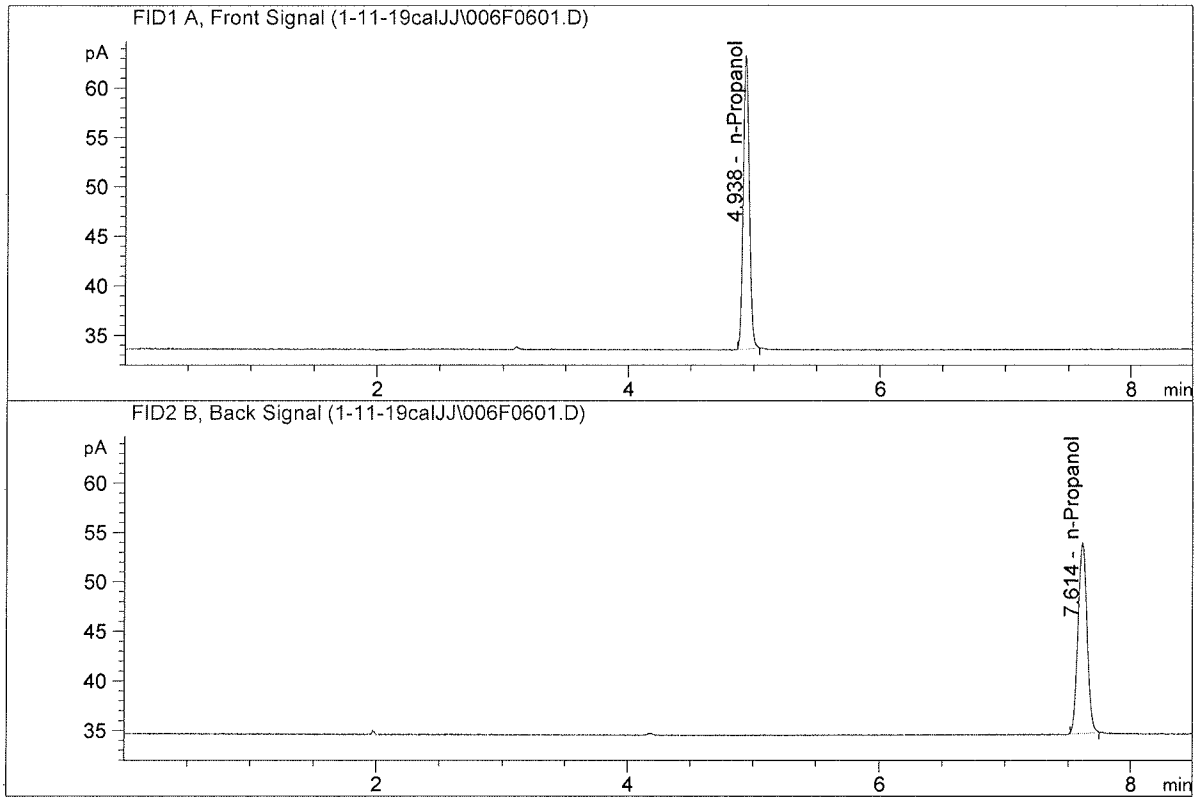
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	92.89666	0.5012	g/100cc
2.	Ethanol	Column 2:	94.25864	0.5022	g/100cc
3.	n-Propanol	Column 1:	97.28366	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.45580	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

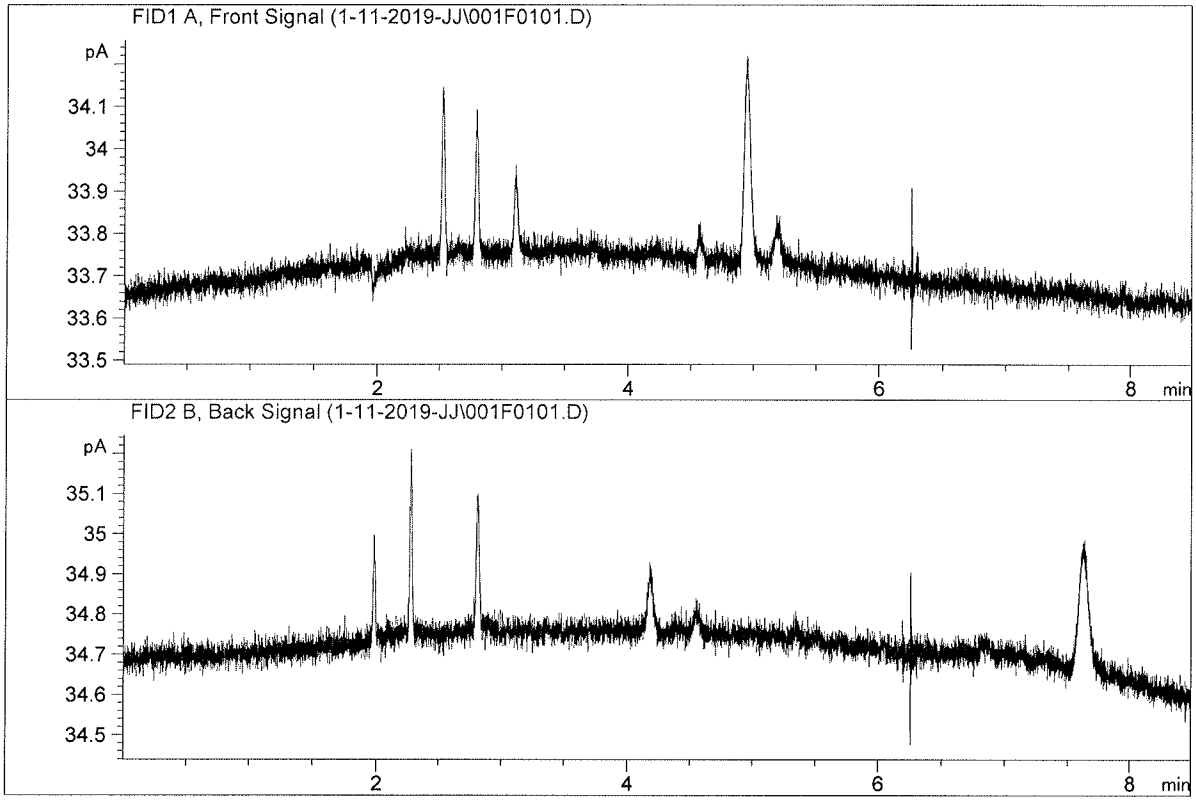
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	97.36970	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.92765	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

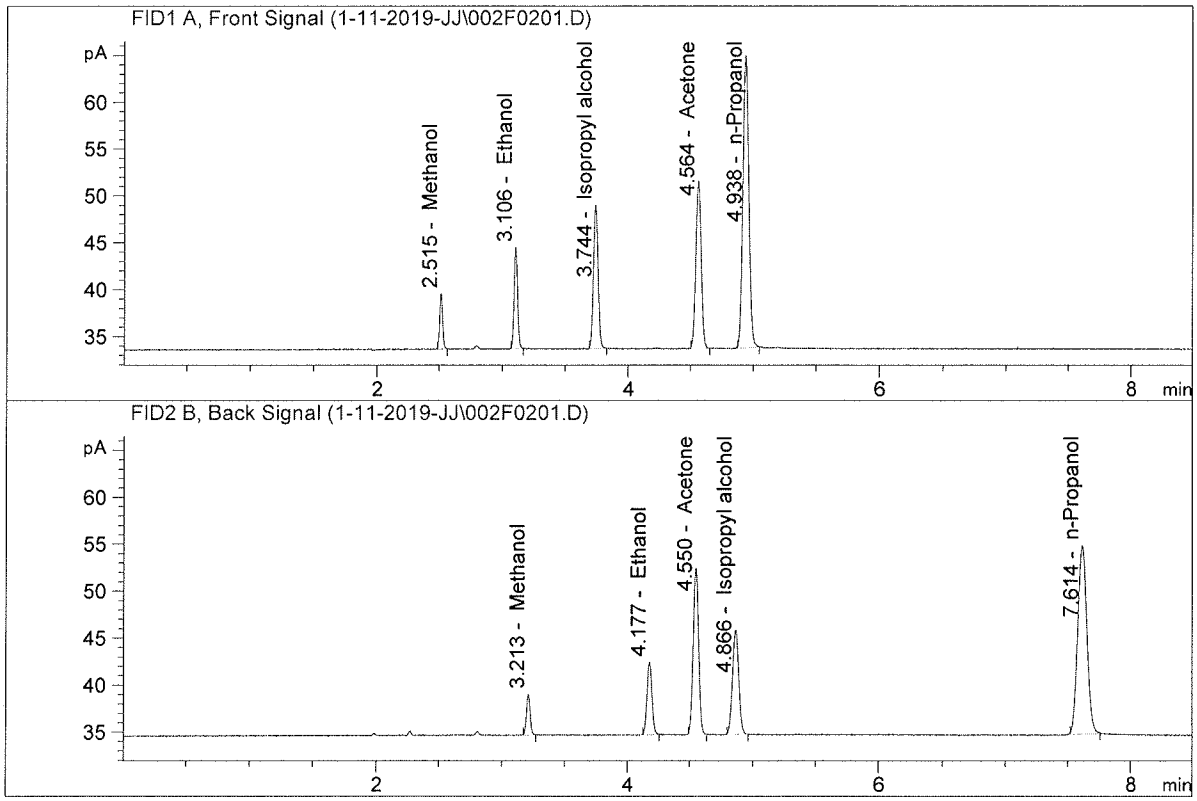
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

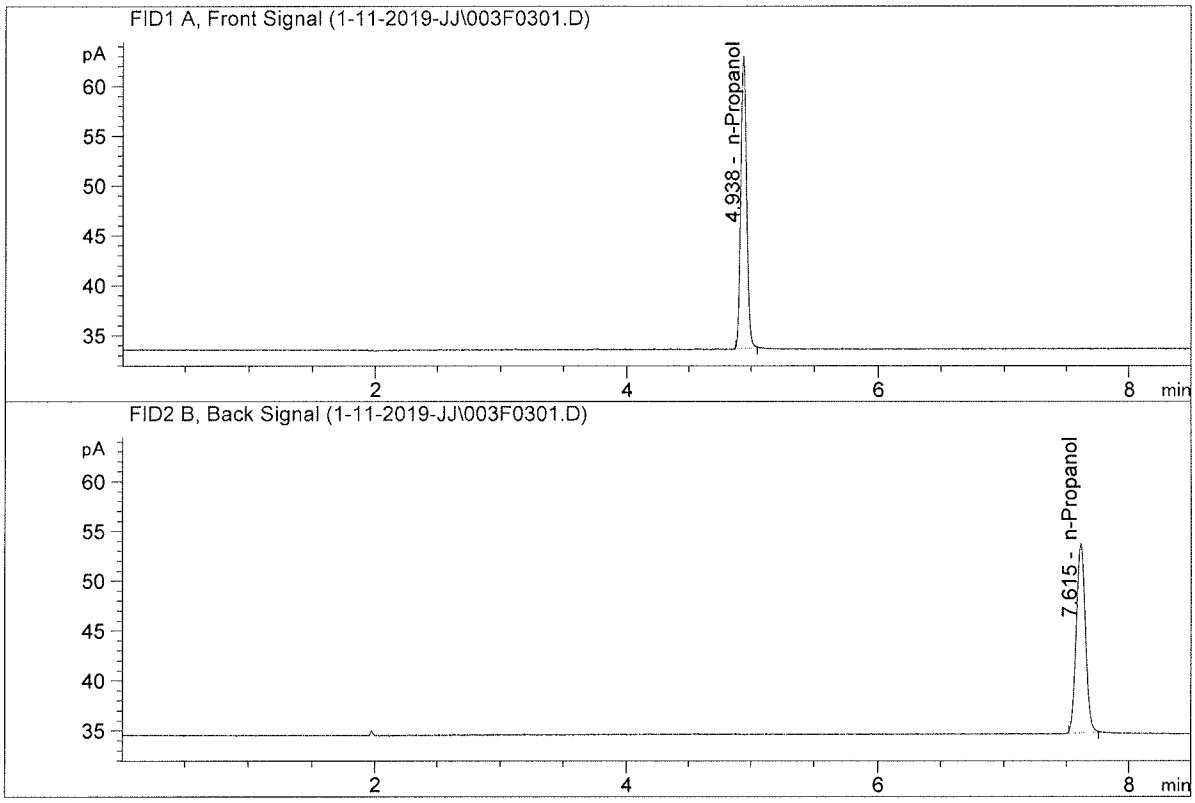
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.10352	0.1087	g/100cc
2.	Ethanol	Column 2:	21.26335	0.1080	g/100cc
3.	n-Propanol	Column 1:	101.89414	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.21786	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
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:	96.23671	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.70930	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 11 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1955	0.1949	0.0006	0.1952	0.1951	
(g/100cc)	0.1953	0.1950	0.0003	0.1951		

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%**

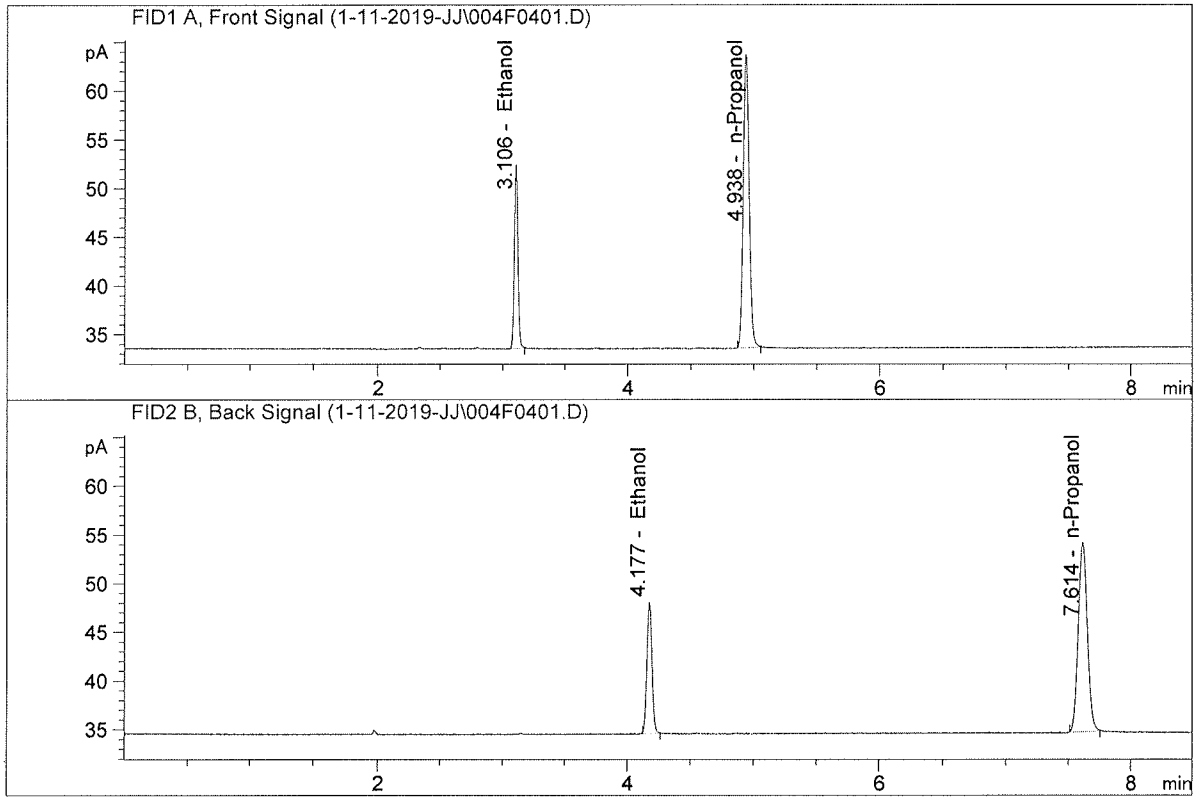
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	0.185	0.205	0.010

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

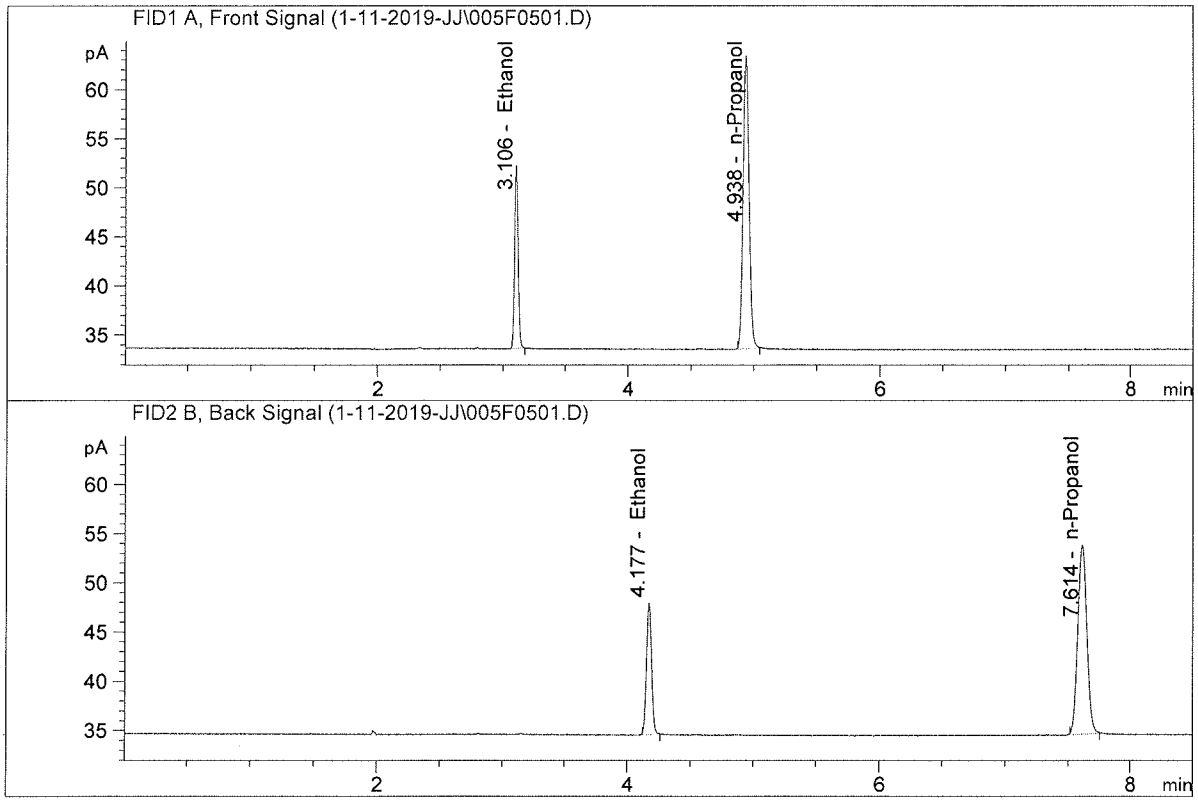
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.81572	0.1955	g/100cc
2.	Ethanol	Column 2:	37.10306	0.1949	g/100cc
3.	n-Propanol	Column 1:	98.85327	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.84705	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.39963	0.1953	g/100cc
2.	Ethanol	Column 2:	36.70531	0.1950	g/100cc
3.	n-Propanol	Column 1:	97.84983	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.70571	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 11 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0809	0.0800	0.0009	0.0804	0.0798	
(g/100cc)	0.0793	0.0790	0.0003	0.0791		

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
0.079	**0.075**	**0.083**	**0.004**

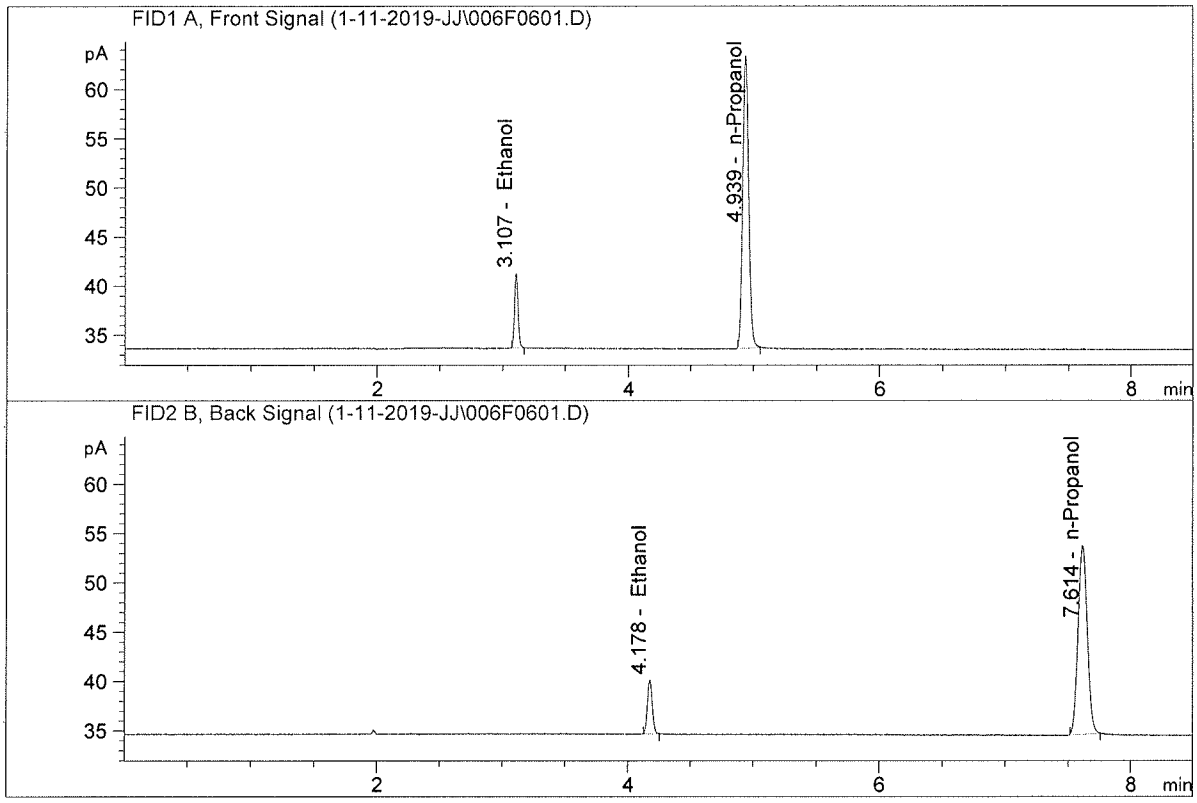
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

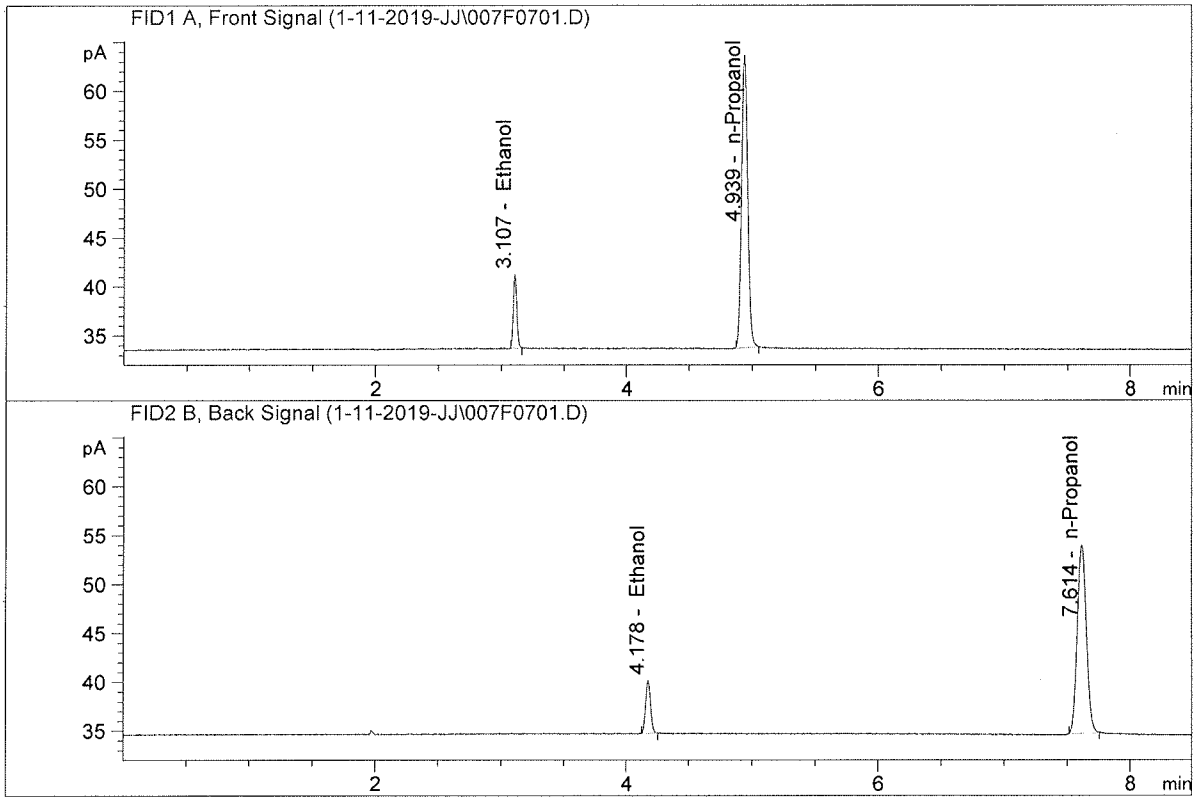
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.03723	0.0809	g/100cc
2.	Ethanol	Column 2:	15.02276	0.0800	g/100cc
3.	n-Propanol	Column 1:	97.54845	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.54733	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.84497	0.0793	g/100cc
2.	Ethanol	Column 2:	14.95809	0.0790	g/100cc
3.	n-Propanol	Column 1:	98.22177	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.29991	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 11 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0768	0.0004	0.0770	0.0770	
(g/100cc)	0.0775	0.0768	0.0007	0.0771		

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%**

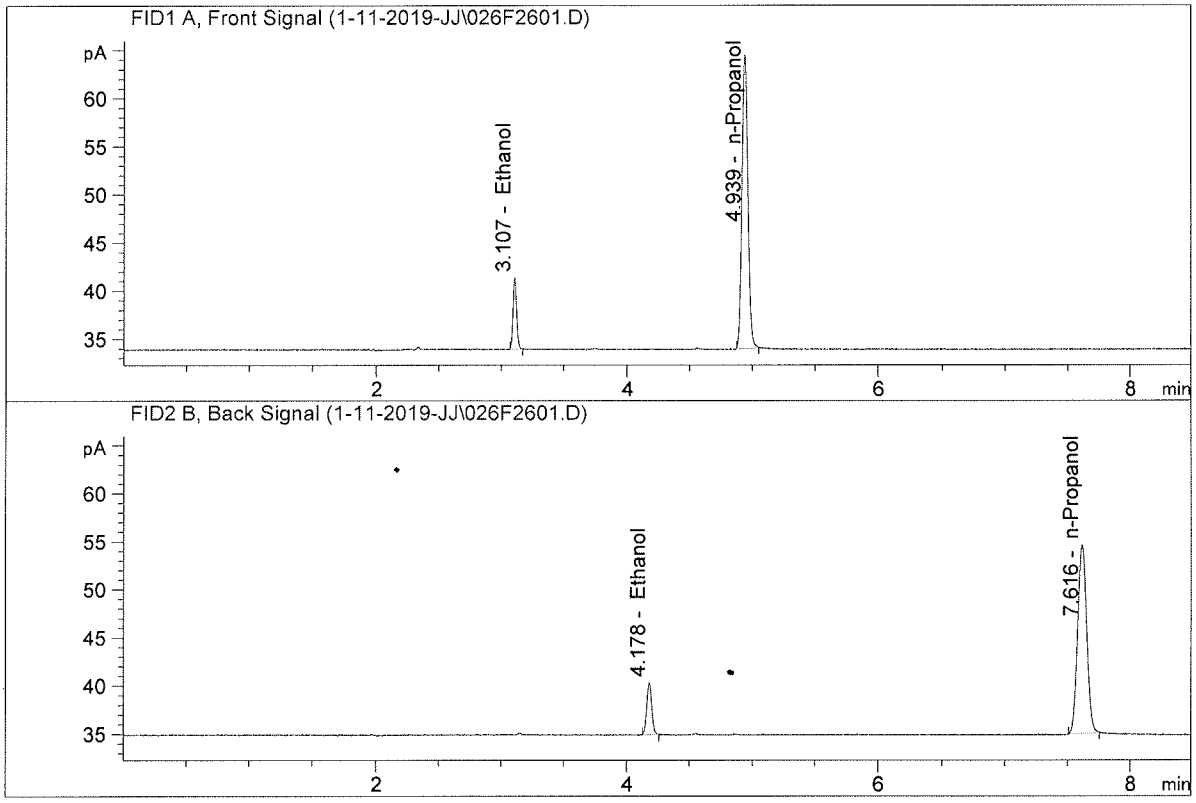
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

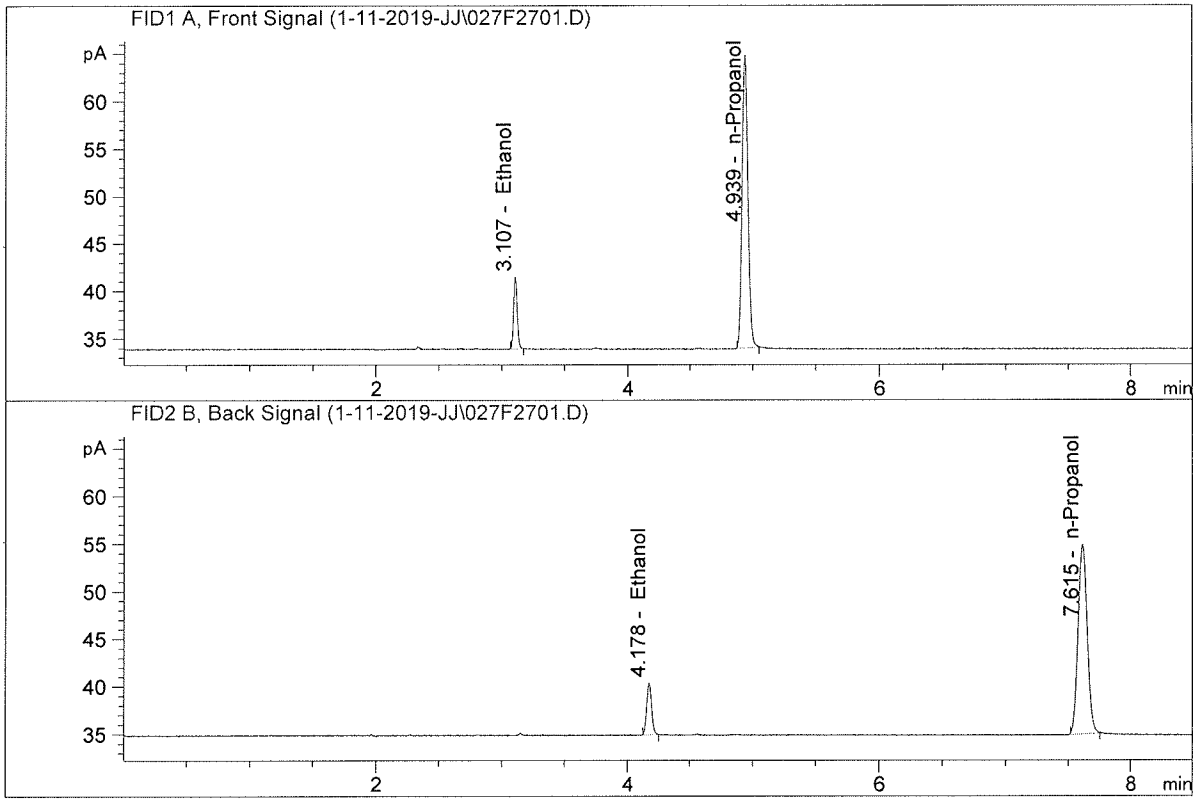
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.70953	0.0772	g/100cc
2.	Ethanol	Column 2:	14.79002	0.0768	g/100cc
3.	n-Propanol	Column 1:	99.96671	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.00781	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.95539	0.0775	g/100cc
2.	Ethanol	Column 2:	14.96923	0.0768	g/100cc
3.	n-Propanol	Column 1:	101.22977	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.18083	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 11 Jan 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1987	0.1982	0.0005	0.1984	0.1983	
(g/100cc)	0.1987	0.1979	0.0008	0.1983		

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%**

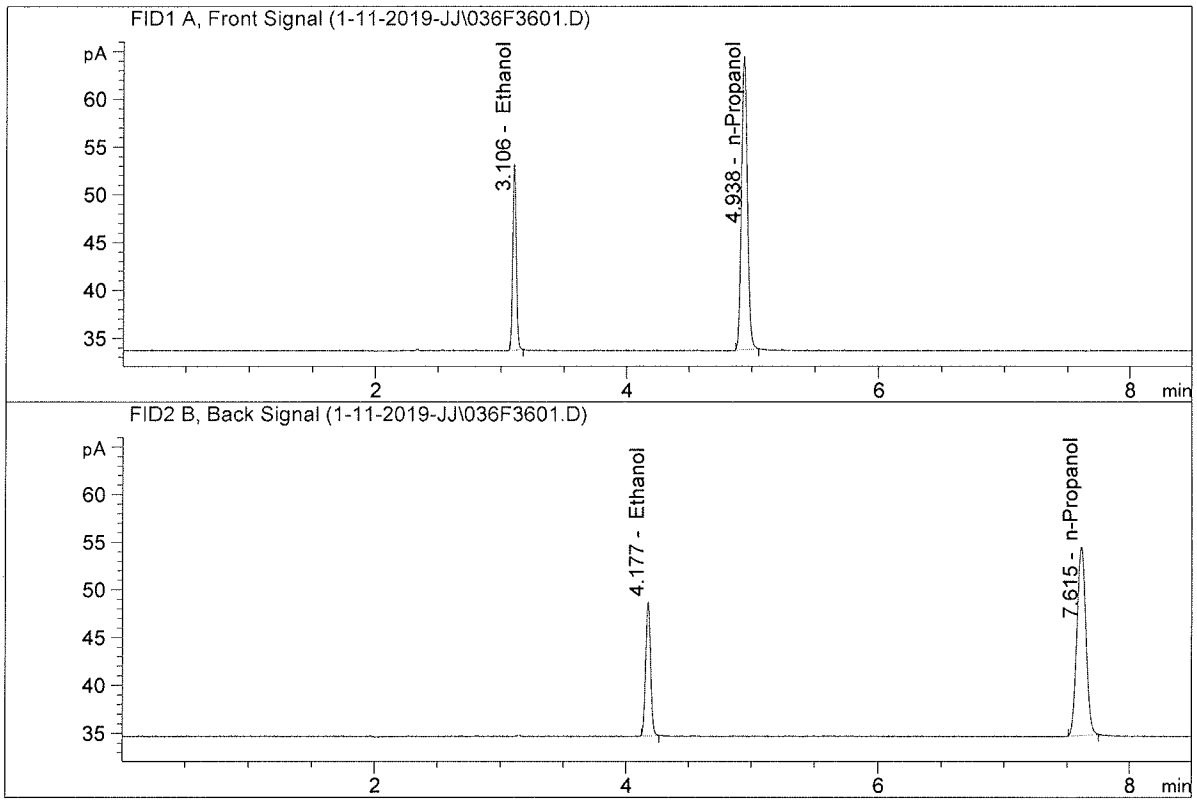
Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	**0.188**	**0.208**	**0.010**

	Reported Result	
	0.198	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

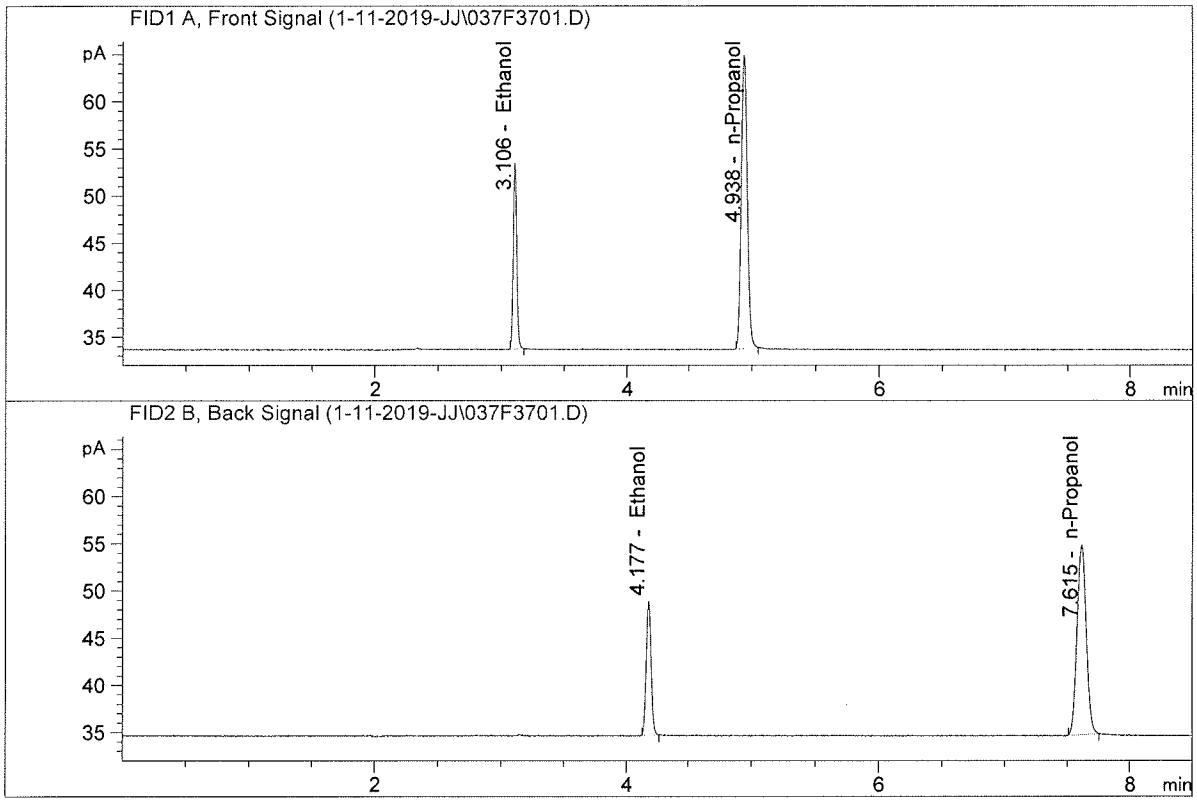
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.22512	0.1987	g/100cc
2.	Ethanol	Column 2:	38.44905	0.1982	g/100cc
3.	n-Propanol	Column 1:	100.96198	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.68226	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

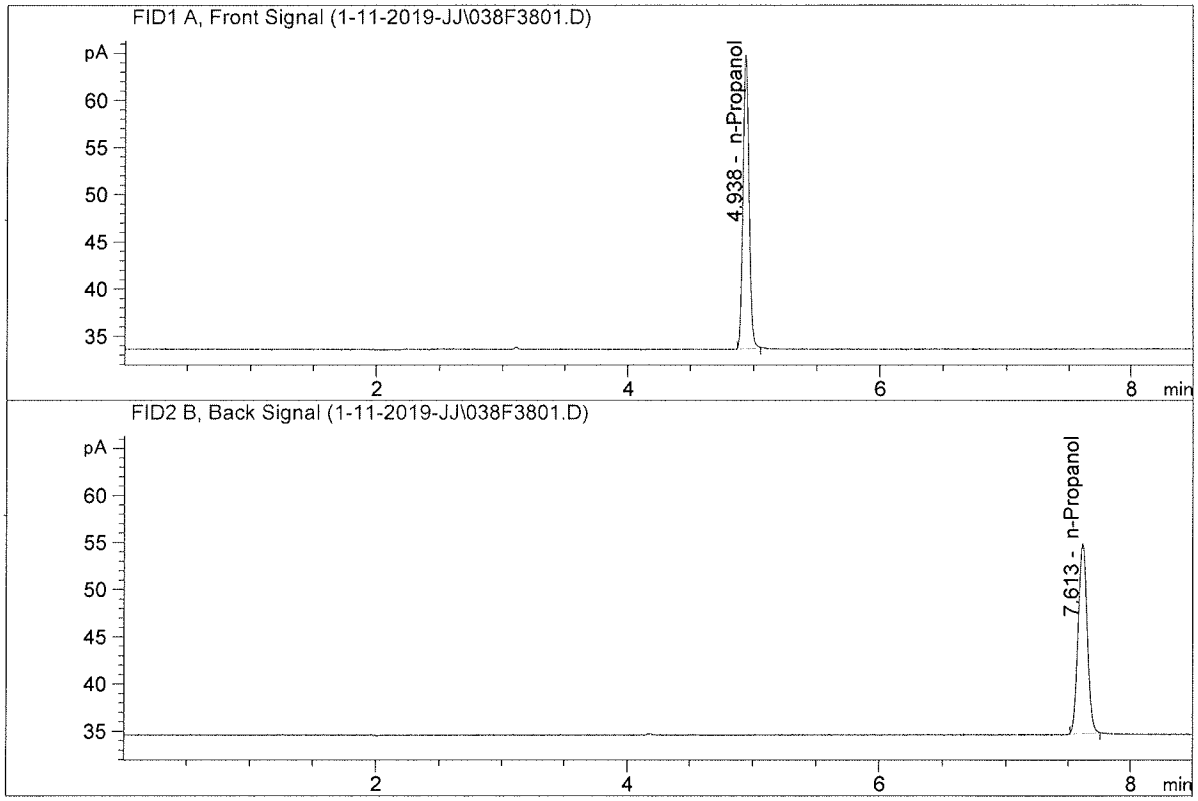
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.76057	0.1987	g/100cc
2.	Ethanol	Column 2:	38.88366	0.1979	g/100cc
3.	n-Propanol	Column 1:	102.38802	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.97980	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

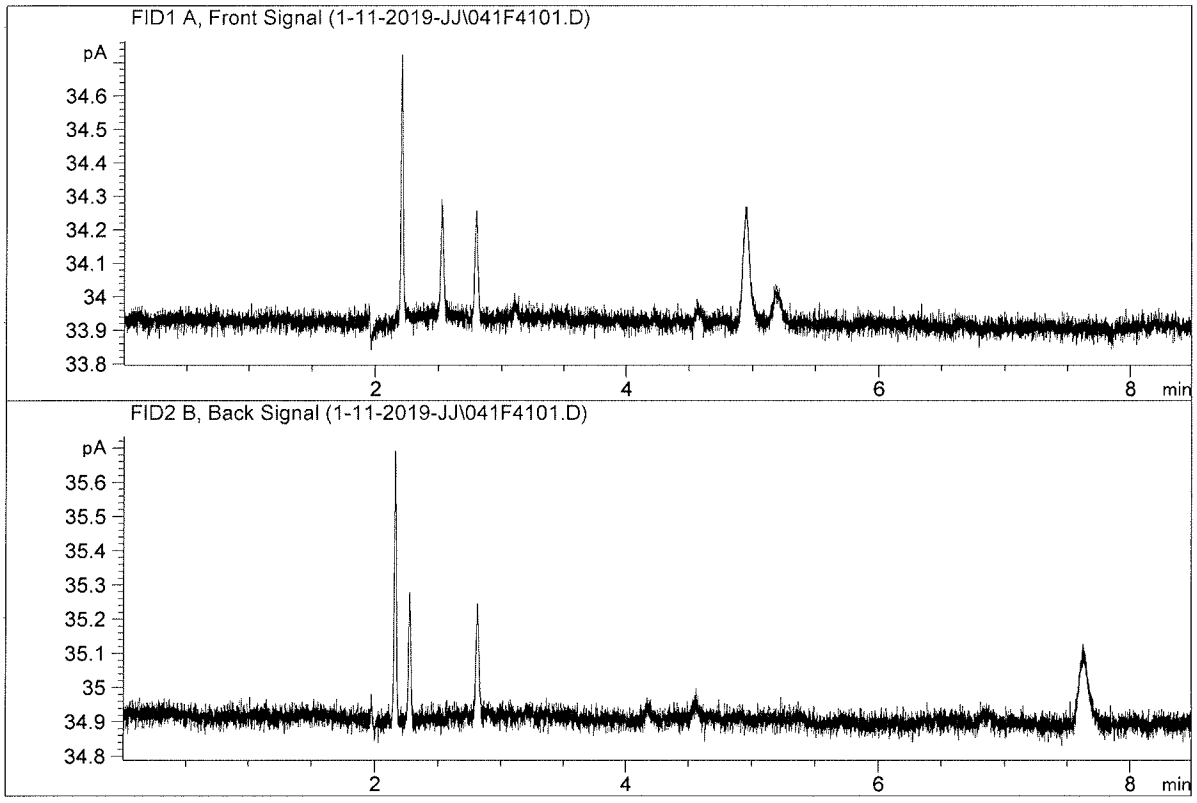
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	102.30425	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.21524	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jan 11, 2019
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