3/8/2019

Worklist: 3020

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2019-0255	1	138930	Alcohol Analysis
C2019-0263	1	138994	Alcohol Analysis
C2019-0276	1	139138	Alcohol Analysis
C2019-0278	1	139140	Alcohol Analysis
C2019-0306	1	139663	Alcohol Analysis
C2019-0325	1	142032	Alcohol Analysis
C2019-0330	1	142059	Alcohol Analysis
C2019-0343	1	142285	Alcohol Analysis
C2019-0344	1	142286	Alcohol Analysis
C2019-0385	1	143262	Alcohol Analysis
C2019-0386	1	143263	Alcohol Analysis
C2019-0411	1	143879	Alcohol Analysis
C2019-0411	2	143880	Alcohol Analysis
C2019-0411	3	143881	Alcohol Analysis
C2019-0411	4	143882	Alcohol Analysis
C2019-0425	1	143628	Alcohol Analysis
C2019-0436	1	143652	Alcohol Analysis
C2019-0445	1	143860	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 03-07-2019**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-19	1801036	0.0812	0.0731-0.0893	0.0773 g/100cc
					0.0784 g/100cc
					g/100cc
Level 2	Jan-19	1803028	0.2035	0.1832-0.2238	0.1998 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN-06041502		OK
Curve Fit:	**Column 1**	1.00000	**Column2**		0.99999

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0499	0.0493	0.0006	0.0496
100	0.100	0.090 - 0.110	0.1005	0.0992	0.0013	0.0998
200	0.200	0.180 - 0.220	0.1996	0.1990	0.0006	0.1993
300	0.300	0.270 - 0.330	0.2990	0.2991	1E-04	0.299
500	0.500	0.450 - 0.550	0.5006	0.5012	0.0006	0.5009

Aqueous Controls

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_07.03.2019_11.30.49\3-7-19cal.S

Sample Summary

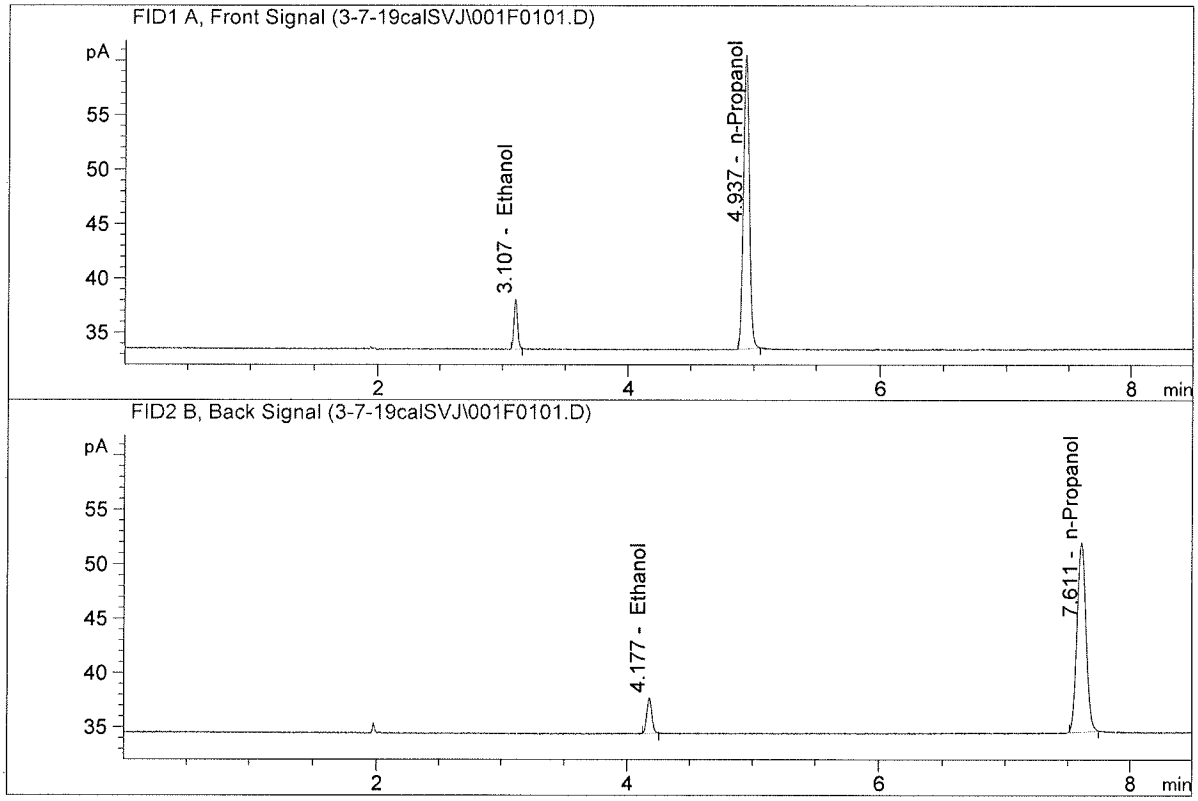
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_07.03.2019_11.30.49\3-7-19cal.S
Data directory path: C:\Chem32\1\Data\3-7-19calSVJ
Logbook: C:\Chem32\1\Data\3-7-19calSVJ\3-7-19cal.LOG
Sequence start: 3/7/2019 11:44:31 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

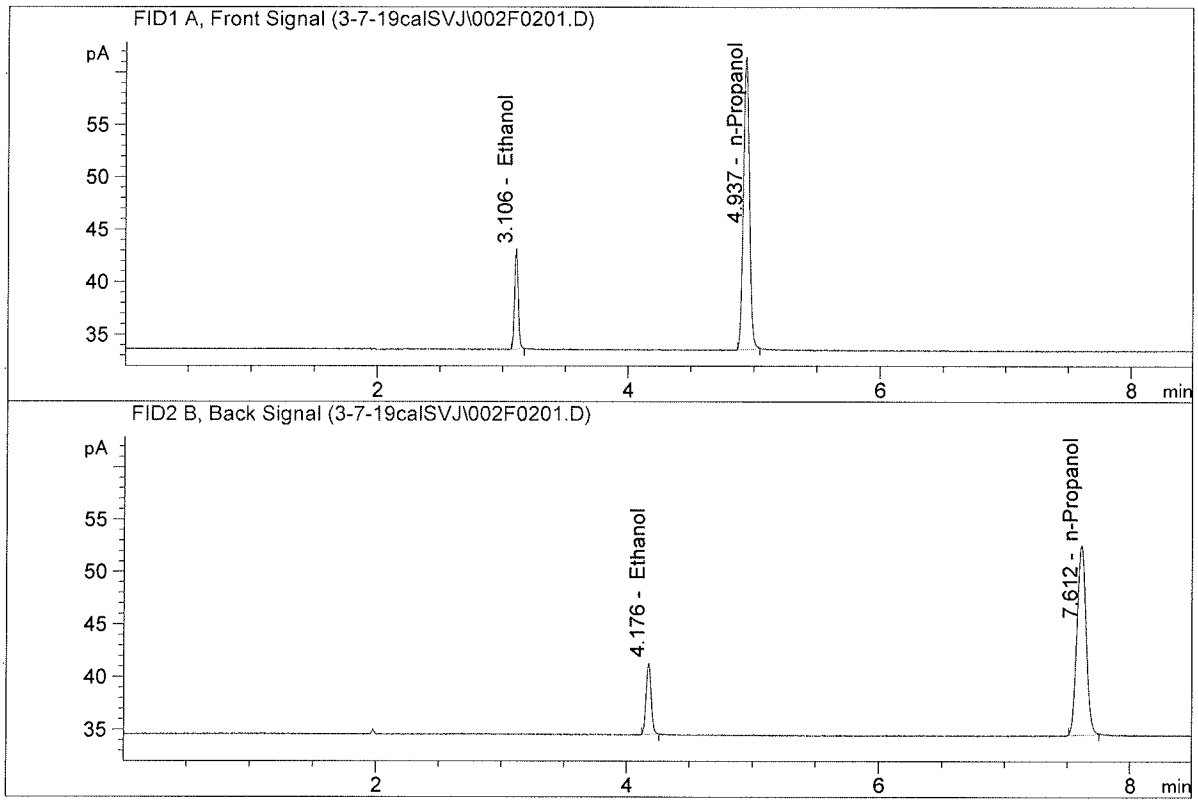
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.02339	0.0499	g/100cc
2.	Ethanol	Column 2:	8.99402	0.0493	g/100cc
3.	n-Propanol	Column 1:	88.77082	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.03778	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

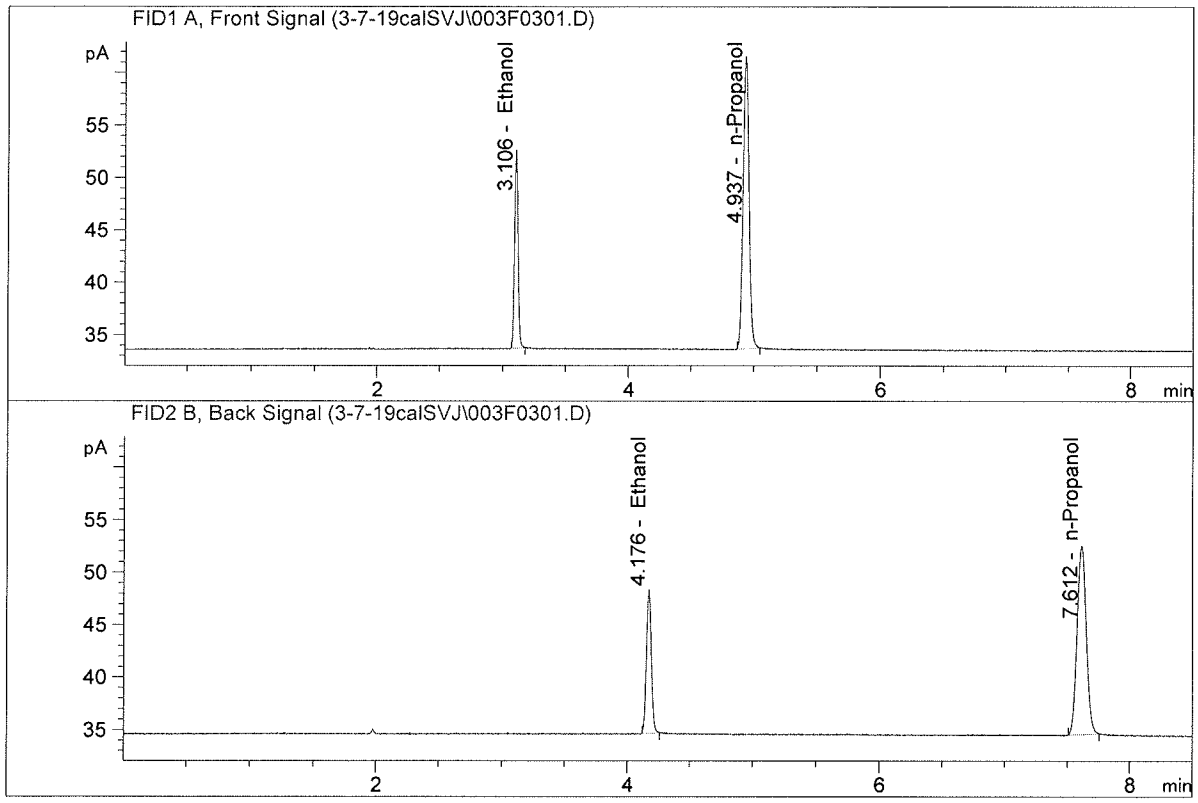
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.77789	0.1005	g/100cc
2.	Ethanol	Column 2:	18.77674	0.0992	g/100cc
3.	n-Propanol	Column 1:	91.77457	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.30949	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

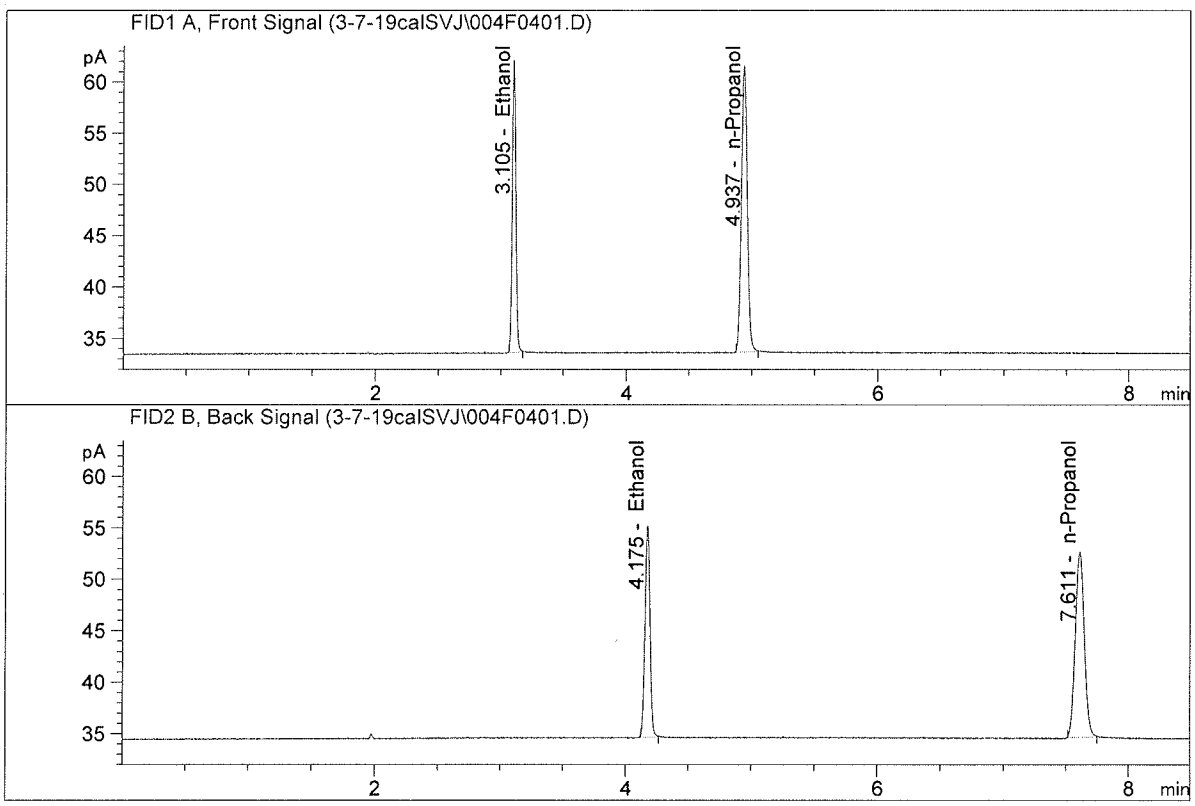
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.38088	0.1996	g/100cc
2.	Ethanol	Column 2:	37.60673	0.1990	g/100cc
3.	n-Propanol	Column 1:	91.94459	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.18295	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

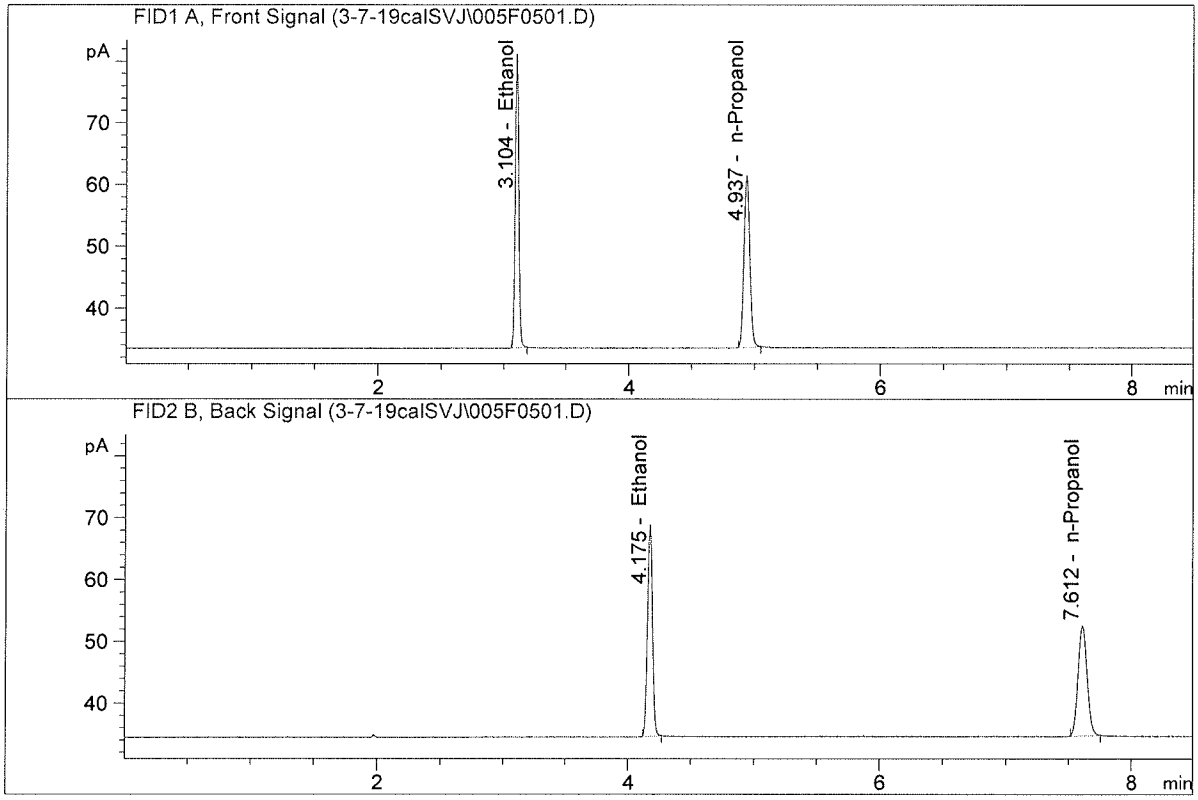
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.91198	0.2990	g/100cc
2.	Ethanol	Column 2:	56.44846	0.2991	g/100cc
3.	n-Propanol	Column 1:	91.81268	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.06414	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

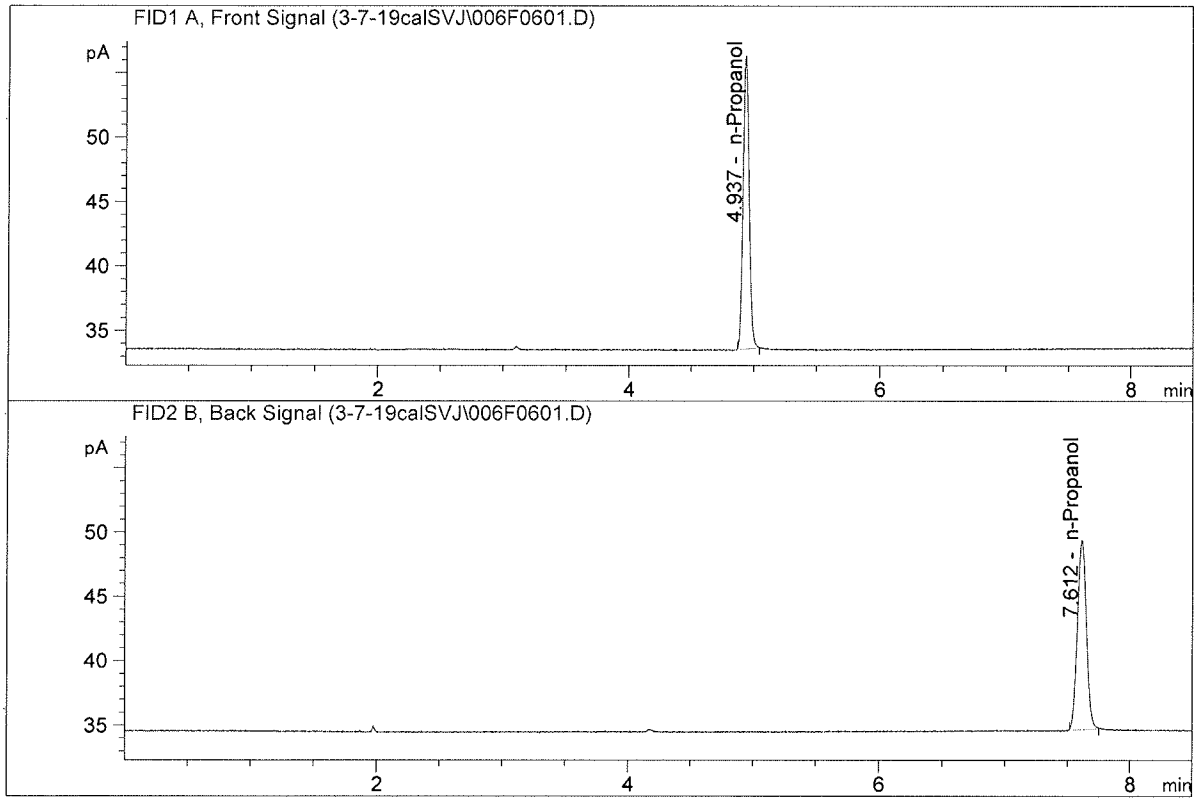
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.17191	0.5006	g/100cc
2.	Ethanol	Column 2:	94.05288	0.5012	g/100cc
3.	n-Propanol	Column 1:	91.38816	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.53922	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 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:	75.11681	1.0000	g/100cc
4.	n-Propanol	Column 2:	74.41045	1.0000	g/100cc

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, March 07, 2019 12:50:36 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

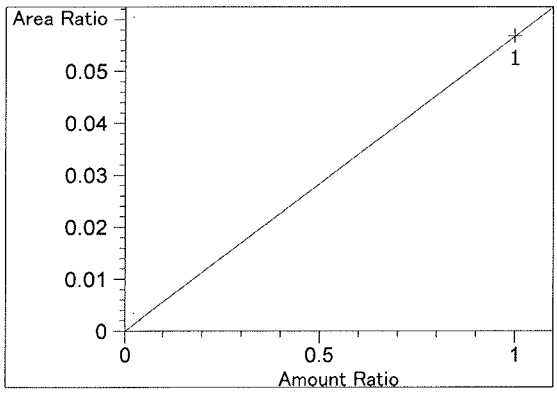
Overview Table

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
3.104	1	1	5.00000e-2	9.02339	5.54116e-3	No	No	1	Ethanol
		2	1.00000e-1	18.77789	5.32541e-3				
		3	2.00000e-1	37.38088	5.35033e-3				
		4	3.00000e-1	55.91198	5.36558e-3				
		5	5.00000e-1	93.17191	5.36642e-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
4.175	2	1	5.00000e-2	8.99402	5.55925e-3	No	No	2	Ethanol
		2	1.00000e-1	18.77674	5.32574e-3				
		3	2.00000e-1	37.60673	5.31820e-3				
		4	3.00000e-1	56.44846	5.31458e-3				
		5	5.00000e-1	94.05288	5.31616e-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	88.77082	1.12650e-2	No	Yes	1	n-Propanol
		2	1.00000	91.77457	1.08963e-2				
		3	1.00000	91.94459	1.08761e-2				
		4	1.00000	91.81268	1.08917e-2				
		5	1.00000	91.38816	1.09423e-2				
7.612	2	1	1.00000	88.03778	1.13588e-2	No	Yes	2	n-Propanol
		2	1.00000	91.30949	1.09518e-2				
		3	1.00000	91.18295	1.09670e-2				
		4	1.00000	91.06414	1.09813e-2				
		5	1.00000	90.53922	1.10449e-2				

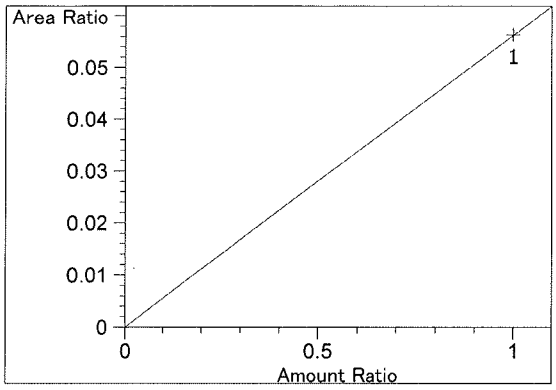
Peak Sum Table

No Entries in table

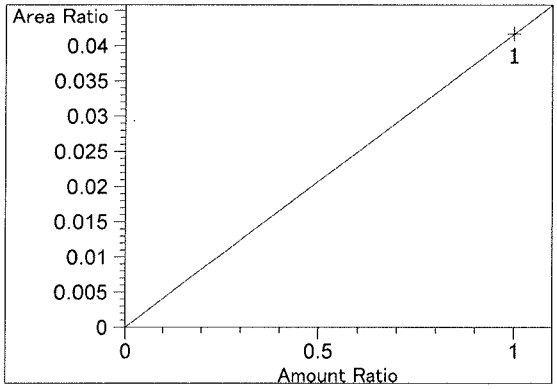
Calibration Curves



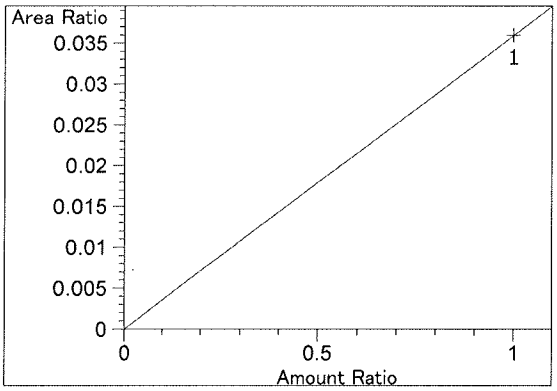
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.67938e-2
x: Amount Ratio
y: Area Ratio



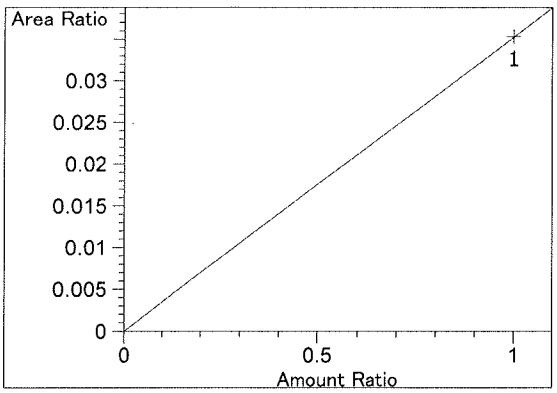
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.63248e-2
x: Amount Ratio
y: Area Ratio



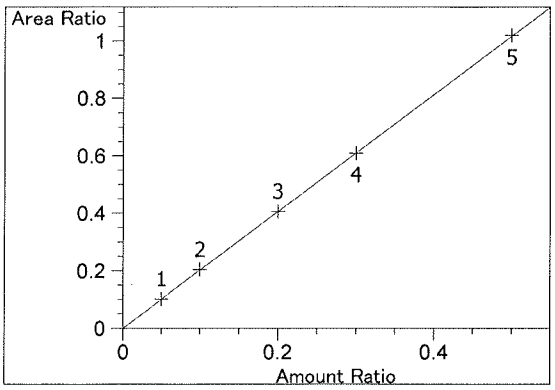
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.16431e-2
x: Amount Ratio
y: Area Ratio



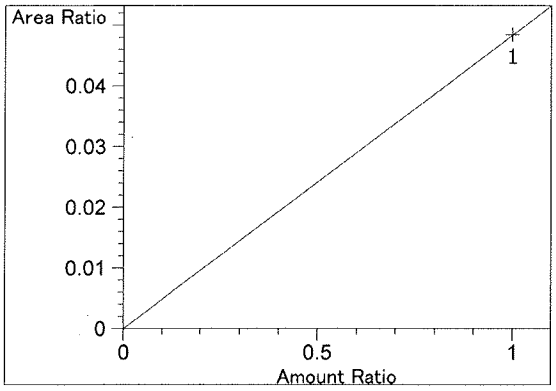
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.59703e-2
x: Amount Ratio
y: Area Ratio



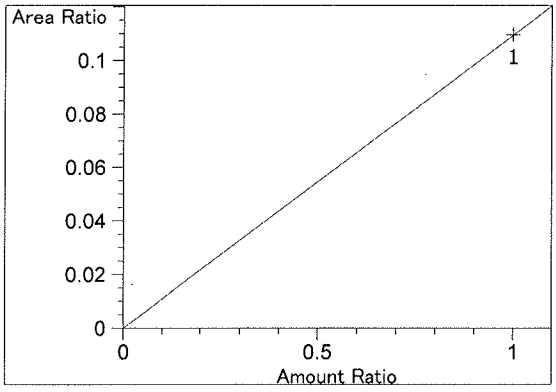
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.52775e-2
x: Amount Ratio
y: Area Ratio



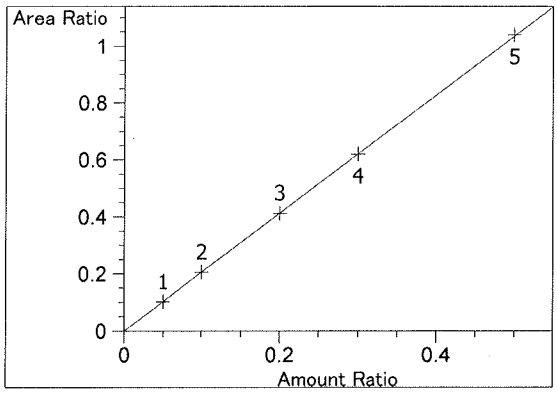
Ethanol at exp. RT: 3.104
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00132
Formula: y = mx
m: 2.03645
x: Amount Ratio
y: Area Ratio



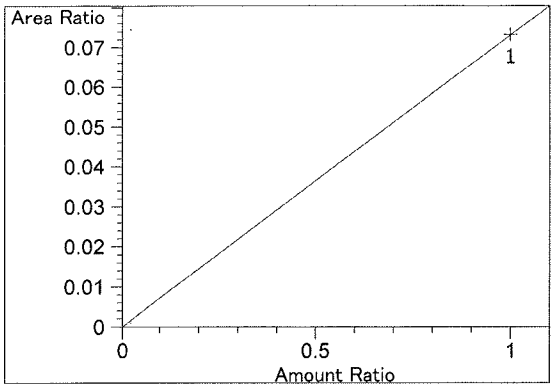
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.83954e-2
x: Amount Ratio
y: Area Ratio



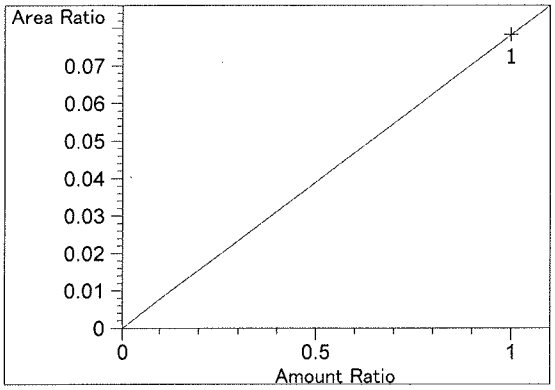
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.09614e-1
x: Amount Ratio
y: Area Ratio



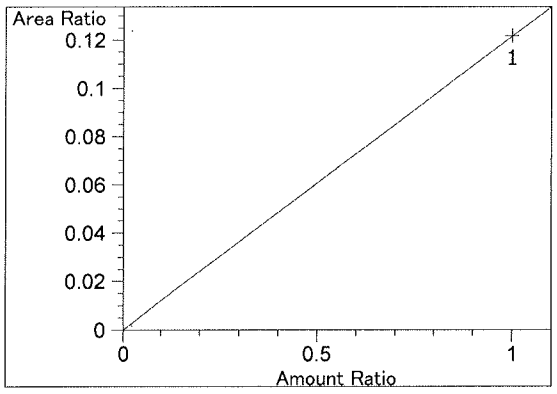
Ethanol at exp. RT: 4.175
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00218
Formula: y = mx
m: 2.07268
x: Amount Ratio
y: Area Ratio



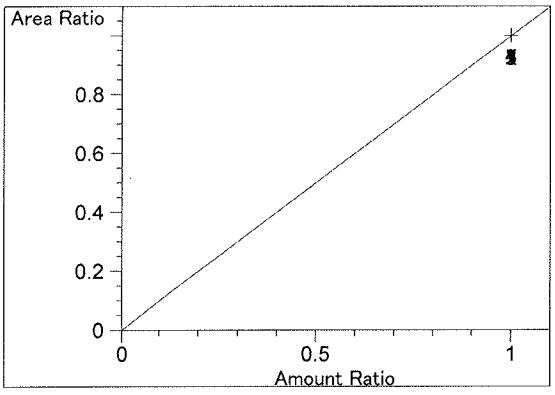
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.32155e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.82960e-2
x: Amount Ratio
y: Area Ratio

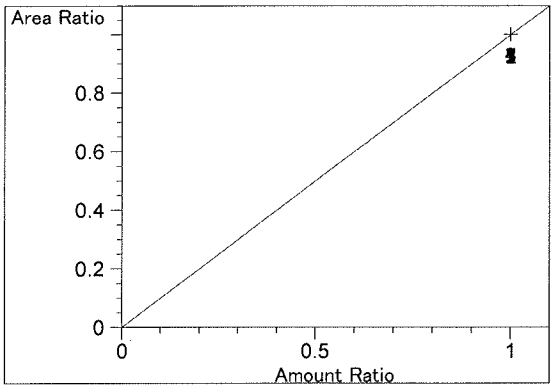


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.21612e-1
x: Amount Ratio
y: Area Ratio



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

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



n-Propanol at exp. RT: 7.612
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_07.03.2019_02.08.04\3-7-2019.S
Data directory path: C:\Chem32\1\Data\3-7-2019-SVJ
Logbook: C:\Chem32\1\Data\3-7-2019-SVJ\3-7-2019.LOG
Sequence start: 3/7/2019 2:21:49 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

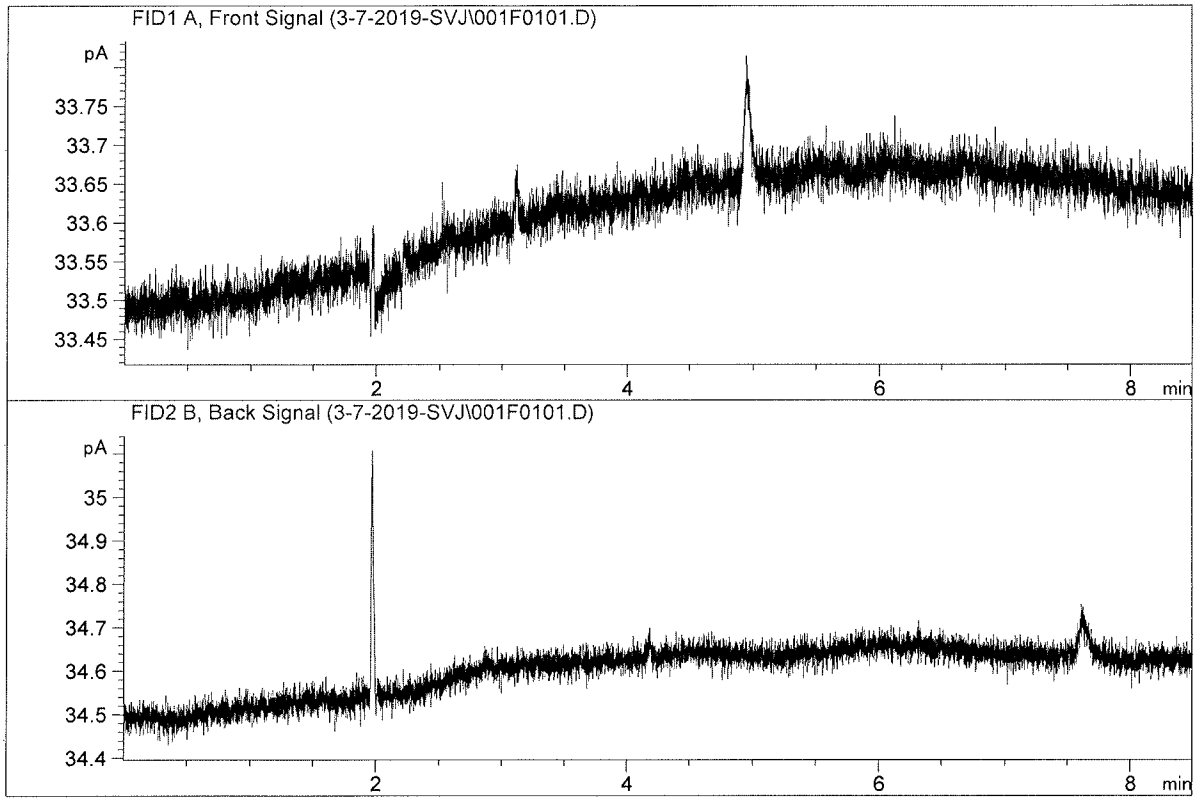
Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-1-A	-	1.0000	004F0401.D		4
5	5	1	QC-1-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2019-0255-1-A	-	1.0000	008F0801.D		2
9	9	1	C2019-0255-1-B	-	1.0000	009F0901.D		2
10	10	1	C2019-0263-1-A	-	1.0000	010F1001.D		2
11	11	1	C2019-0263-1-B	-	1.0000	011F1101.D		2
12	12	1	C2019-0276-1-A	-	1.0000	012F1201.D		6
13	13	1	C2019-0276-1-B	-	1.0000	013F1301.D		6
14	14	1	C2019-0278-1-A	-	1.0000	014F1401.D		2
15	15	1	C2019-0278-1-B	-	1.0000	015F1501.D		2
16	16	1	C2019-0306-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-0306-1-B	-	1.0000	017F1701.D		4
18	18	1	C2019-0325-1-A	-	1.0000	018F1801.D		2
19	19	1	C2019-0325-1-B	-	1.0000	019F1901.D		2
20	20	1	C2019-0330-1-A	-	1.0000	020F2001.D		4
21	21	1	C2019-0330-1-B	-	1.0000	021F2101.D		5
22	22	1	C2019-0343-1-A	-	1.0000	022F2201.D		4
23	23	1	C2019-0343-1-B	-	1.0000	023F2301.D		4
24	24	1	C2019-0344-1-A	-	1.0000	024F2401.D		2
25	25	1	C2019-0344-1-B	-	1.0000	025F2501.D		2
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2019-0385-1-A	-	1.0000	028F2801.D		4
29	29	1	C2019-0385-1-B	-	1.0000	029F2901.D		4
30	30	1	C2019-0386-1-A	-	1.0000	030F3001.D		4
31	31	1	C2019-0386-1-B	-	1.0000	031F3101.D		4
32	32	1	C2019-0425-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-0425-1-B	-	1.0000	033F3301.D		4
34	34	1	C2019-0436-1-A	-	1.0000	034F3401.D		4
35	35	1	C2019-0436-1-B	-	1.0000	035F3501.D		4
36	36	1	C2019-0411-1-A	-	1.0000	036F3601.D		4
37	37	1	C2019-0411-1-B	-	1.0000	037F3701.D		4
38	38	1	C2019-0411-2-A	-	1.0000	038F3801.D		4
39	39	1	C2019-0411-2-B	-	1.0000	039F3901.D		4
40	40	1	C2019-0411-3-A	-	1.0000	040F4001.D		4
41	41	1	C2019-0411-3-B	-	1.0000	041F4101.D		4
42	42	1	C2019-0411-4-A	-	1.0000	042F4201.D		4
43	43	1	C2019-0411-4-B	-	1.0000	043F4301.D		4
44	44	1	C2019-0445-1-A	-	1.0000	044F4401.D		4
45	45	1	C2019-0445-1-B	-	1.0000	045F4501.D		4
46	46	1	QC-1-A	-	1.0000	046F4601.D		4

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_07.03.2019_02.08.04\3-7-2019.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	QC-1-B	-	1.0000	047F4701.D		4
48	48	1	ISTD BLANK	-	1.0000	048F4801.D		2
49	49	1	0.05	-	1.0000	049F4901.D		4
50	50	1	0.100	-	1.0000	050F5001.D		4
51	51	1	0.200	-	1.0000	051F5101.D		4
52	52	1	0.300	-	1.0000	052F5201.D		4
53	53	1	0.500	-	1.0000	053F5301.D		4
54	54	1	water	-	1.0000	054F5401.D		0

ISP Forensic Services Blood Alcohol Report

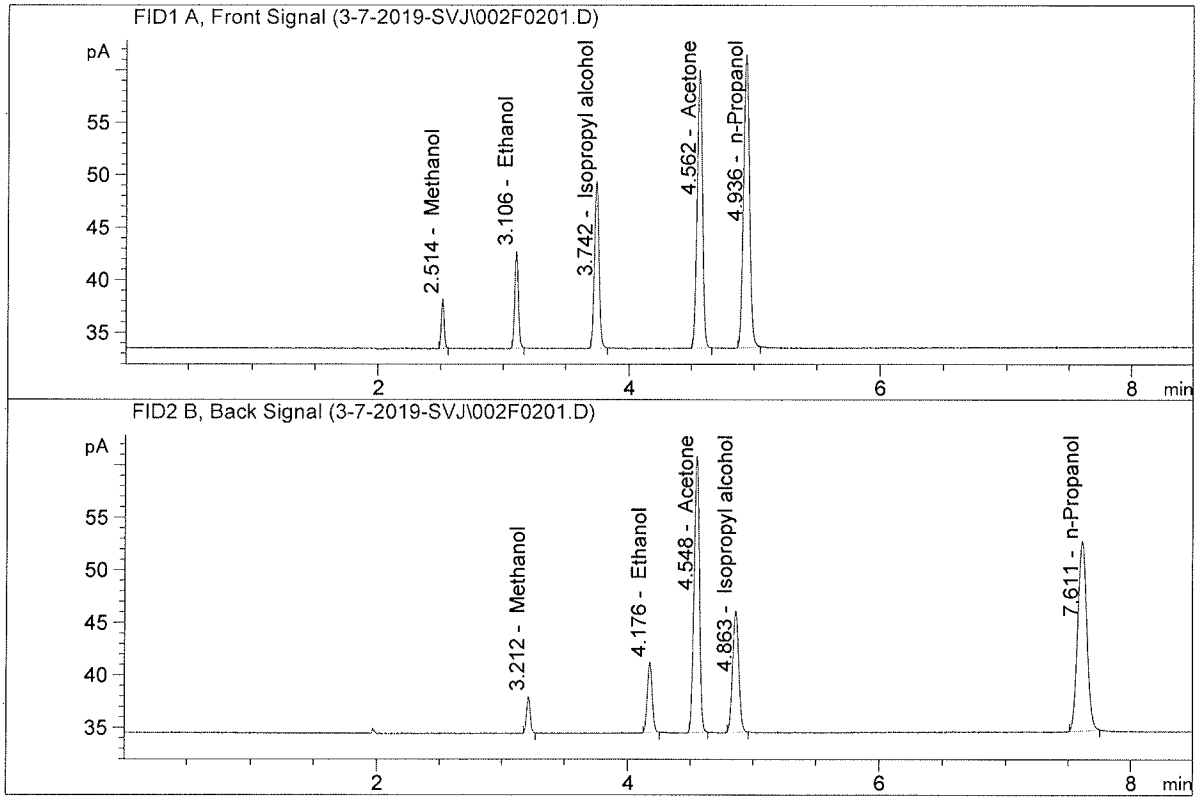
Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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

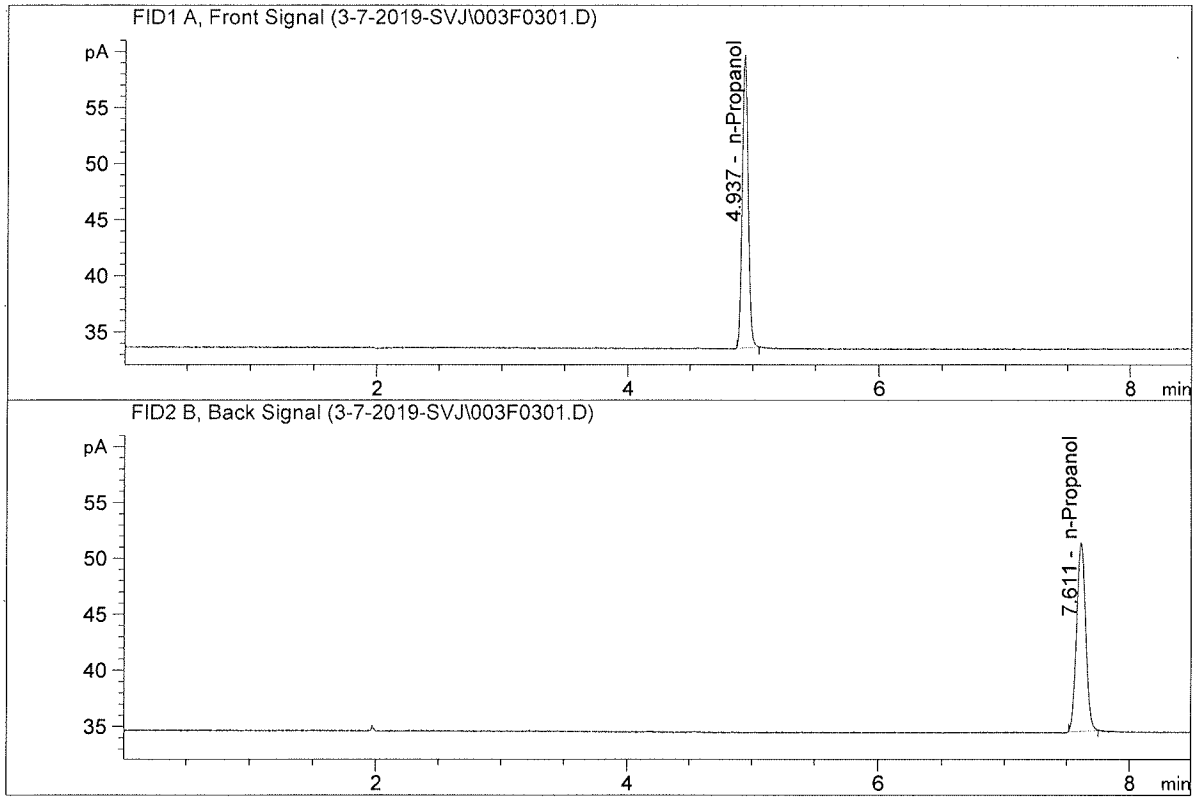
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.27736	0.0980	g/100cc
2.	Ethanol	Column 2:	18.37890	0.0976	g/100cc
3.	n-Propanol	Column 1:	91.58572	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.80799	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 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:	85.78529	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.11239	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 07 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0768	0.0006	0.0771	0.0773	
(g/100cc)	0.0775	0.0776	0.0001	0.0775		

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

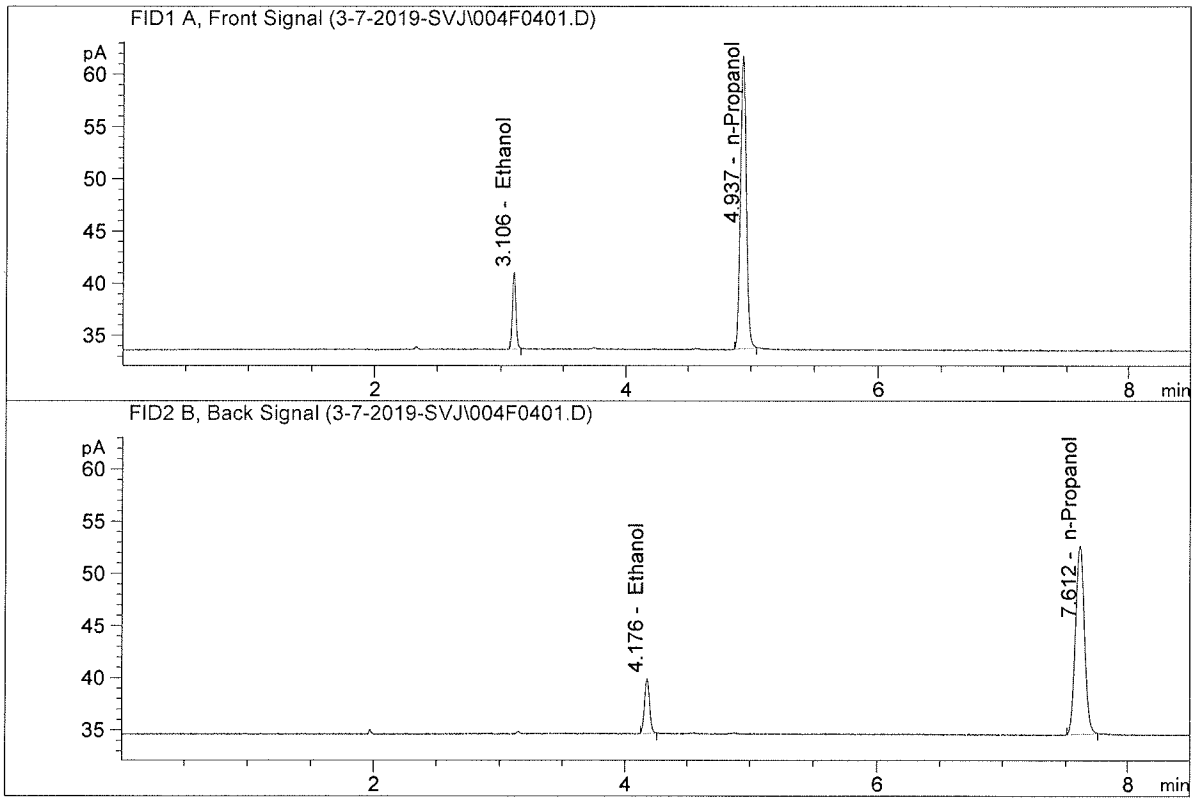
	Reported Result	
	0.077	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

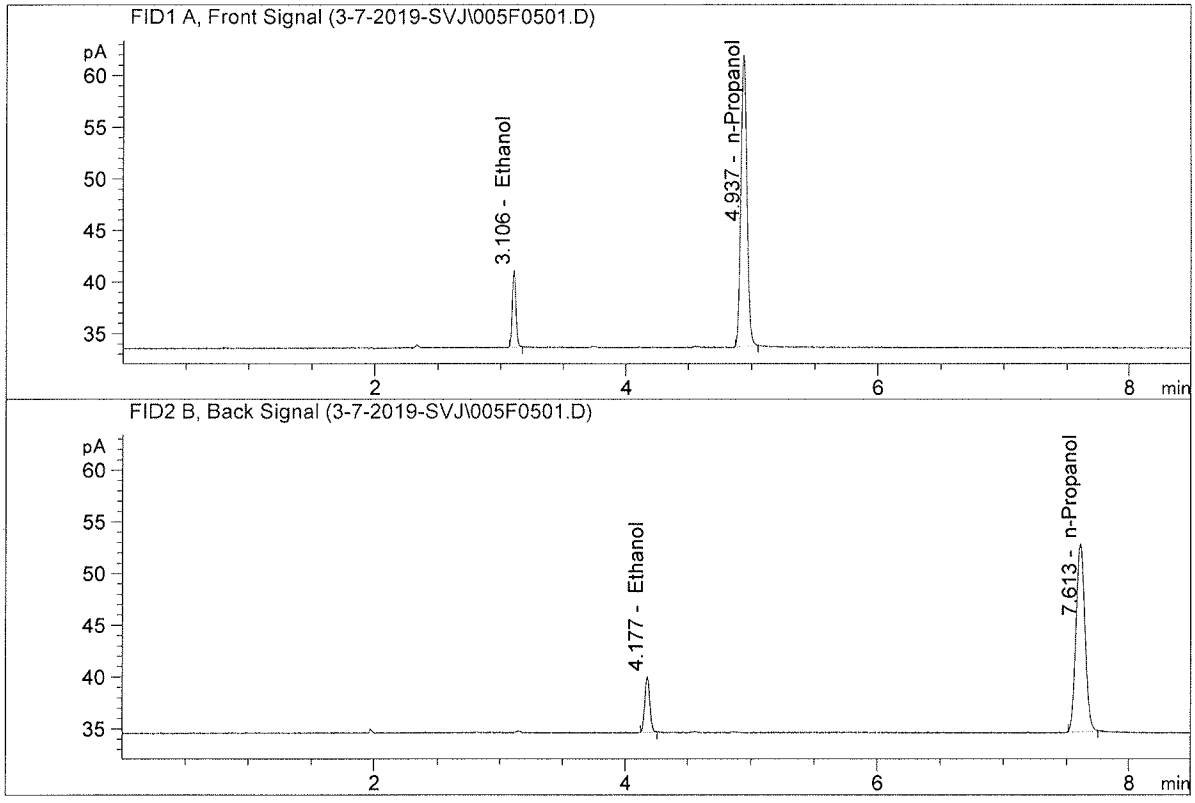
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.51889	0.0774	g/100cc
2.	Ethanol	Column 2:	14.58799	0.0768	g/100cc
3.	n-Propanol	Column 1:	92.15220	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.69653	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.69044	0.0775	g/100cc
2.	Ethanol	Column 2:	14.80668	0.0776	g/100cc
3.	n-Propanol	Column 1:	93.05579	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.10569	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 07 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0809	0.0806	0.0003	0.0807	0.0800	
(g/100cc)	0.0794	0.0791	0.0003	0.0792		

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**

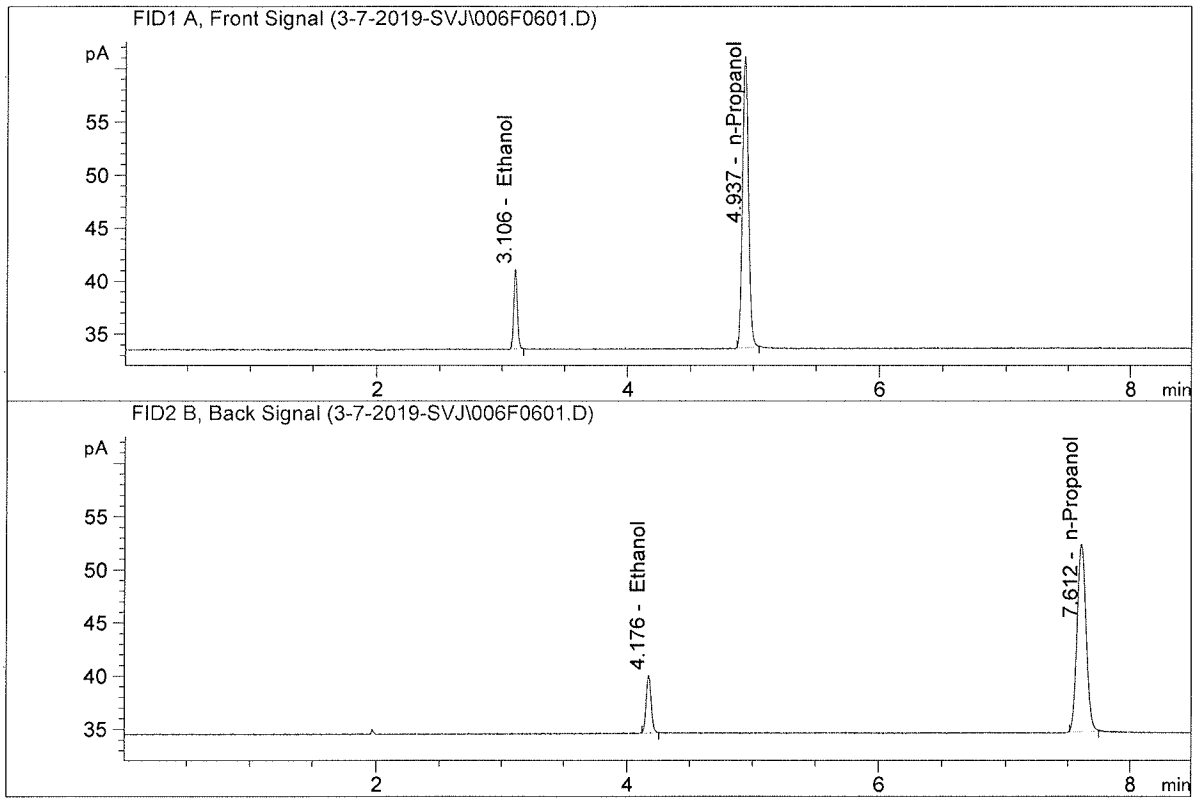
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

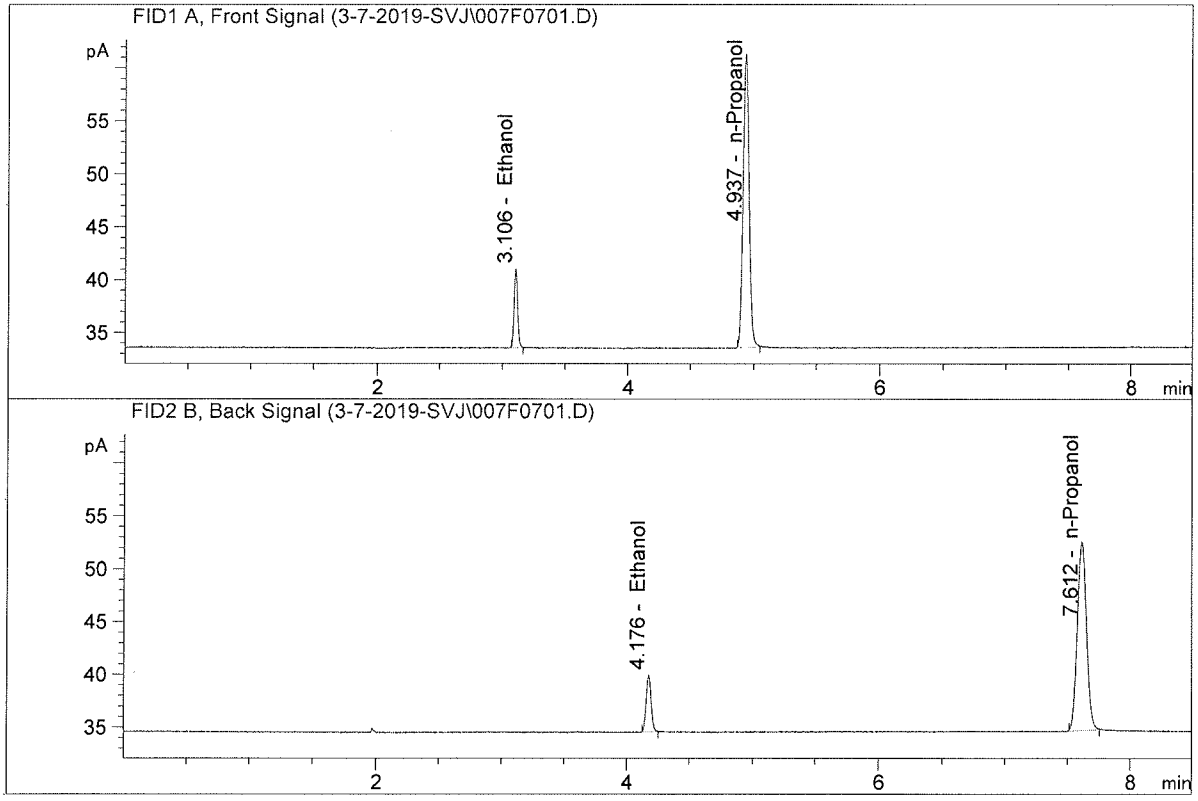
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.88032	0.0809	g/100cc
2.	Ethanol	Column 2:	14.94246	0.0806	g/100cc
3.	n-Propanol	Column 1:	90.34424	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.46737	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.72082	0.0794	g/100cc
2.	Ethanol	Column 2:	14.77644	0.0791	g/100cc
3.	n-Propanol	Column 1:	91.03812	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.17567	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 07 Mar 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1984	0.1987	0.0003	0.1985	0.1998	
(g/100cc)	0.2010	0.2014	0.0004	0.2012		

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%**

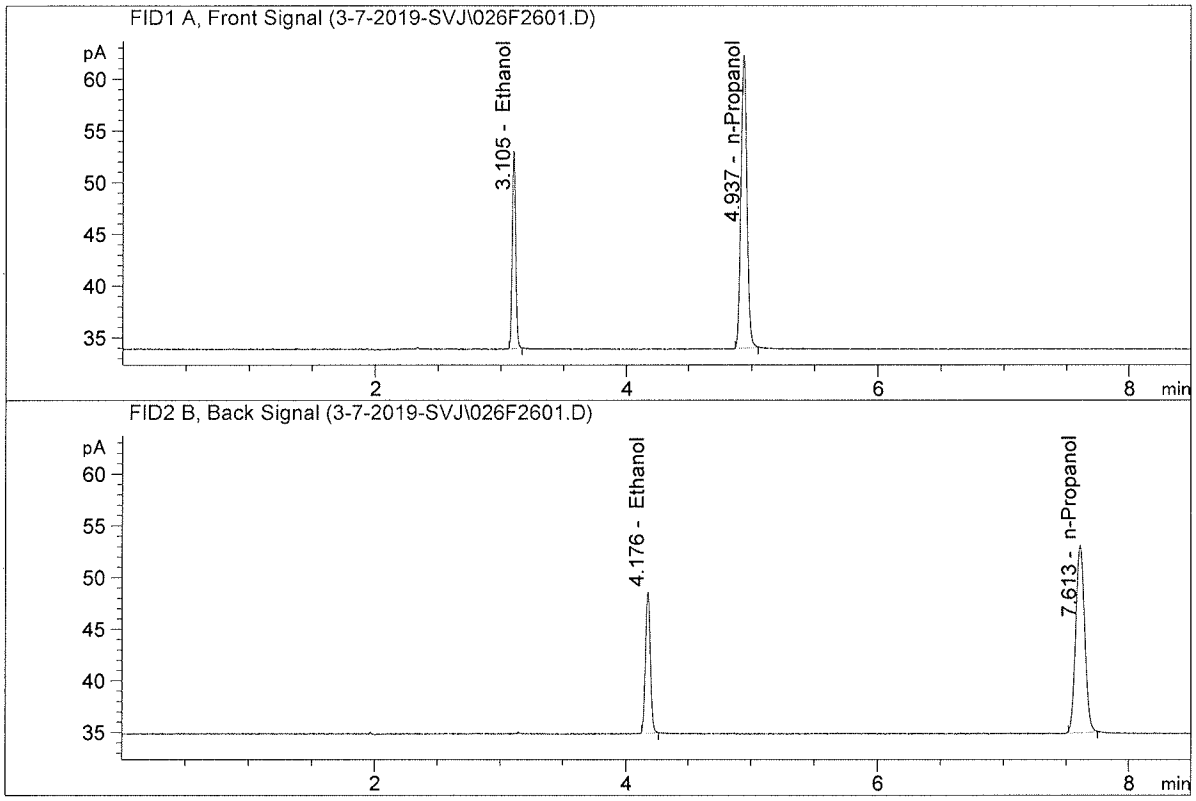
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

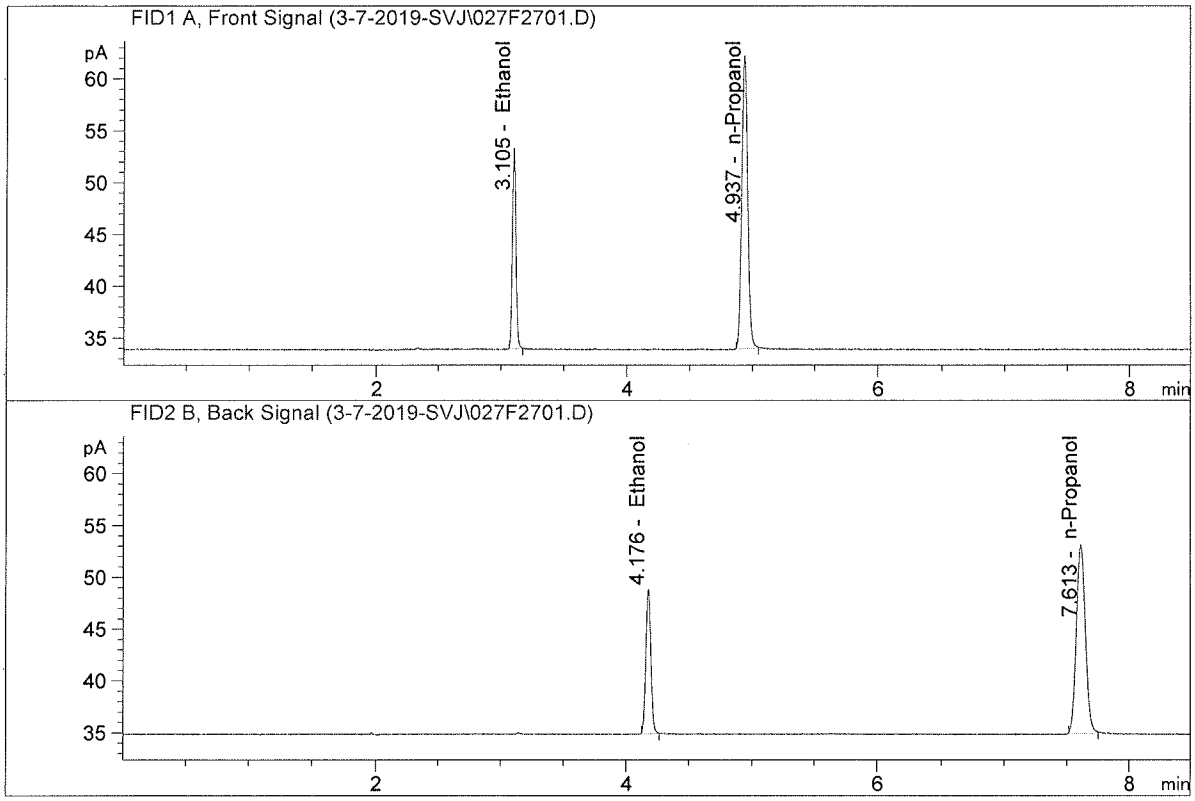
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.55155	0.1984	g/100cc
2.	Ethanol	Column 2:	37.75354	0.1987	g/100cc
3.	n-Propanol	Column 1:	92.93461	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.66304	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.02856	0.2010	g/100cc
2.	Ethanol	Column 2:	38.26013	0.2014	g/100cc
3.	n-Propanol	Column 1:	92.88525	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.67088	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 07 Mar 2019**

	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	0.0784	
(g/100cc)	0.0782	0.0778	0.0004	0.0780		

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%**

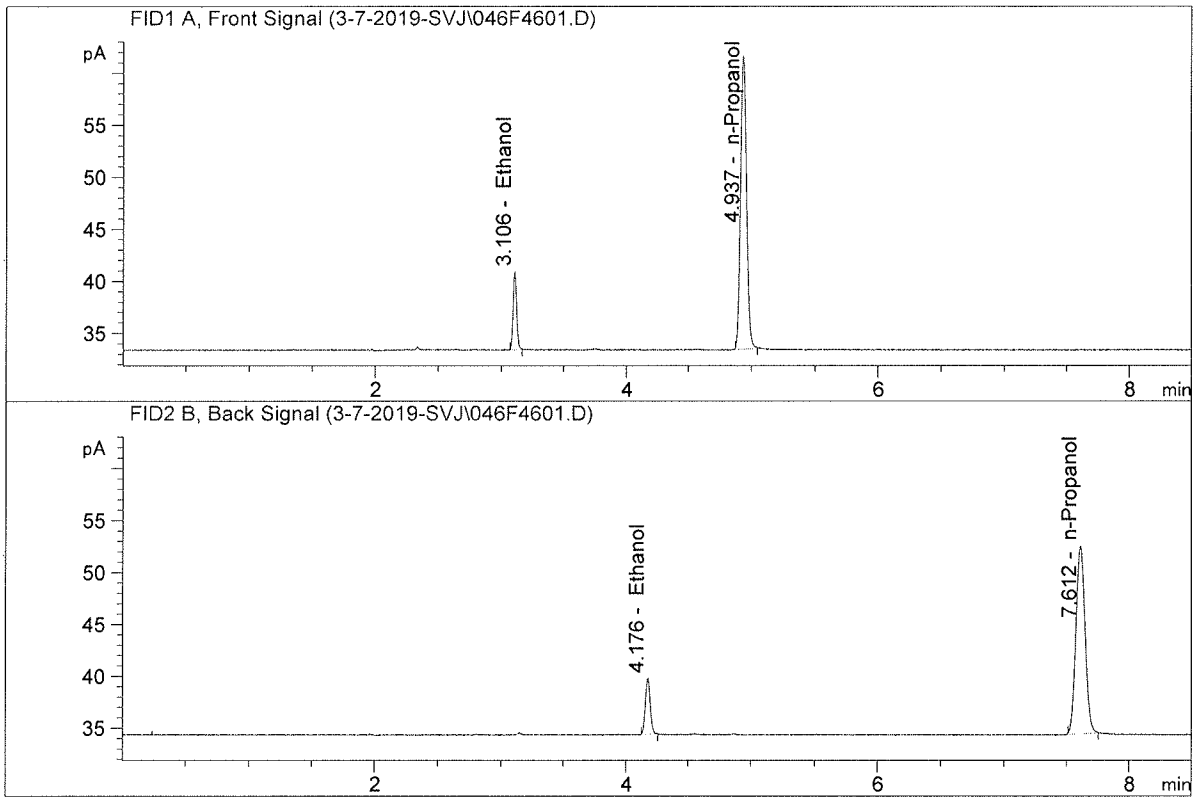
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

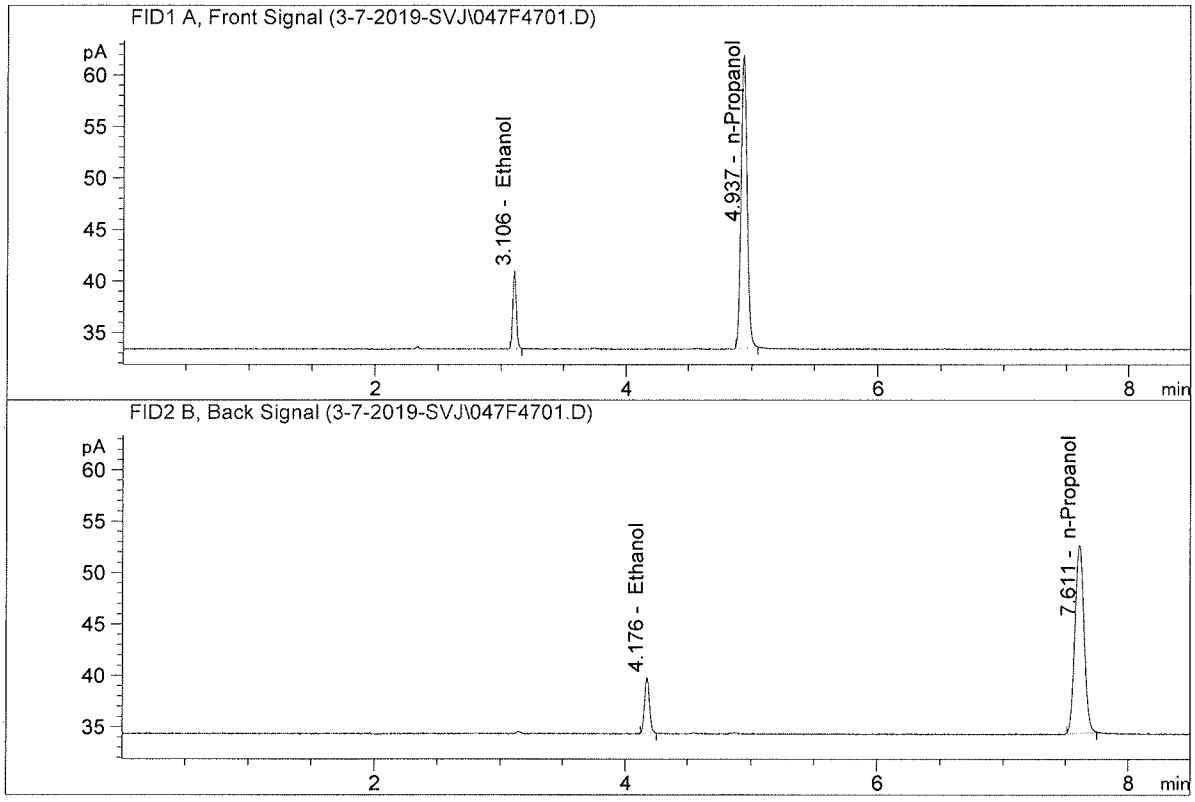
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.86815	0.0789	g/100cc
2.	Ethanol	Column 2:	14.90548	0.0787	g/100cc
3.	n-Propanol	Column 1:	92.59087	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.32673	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

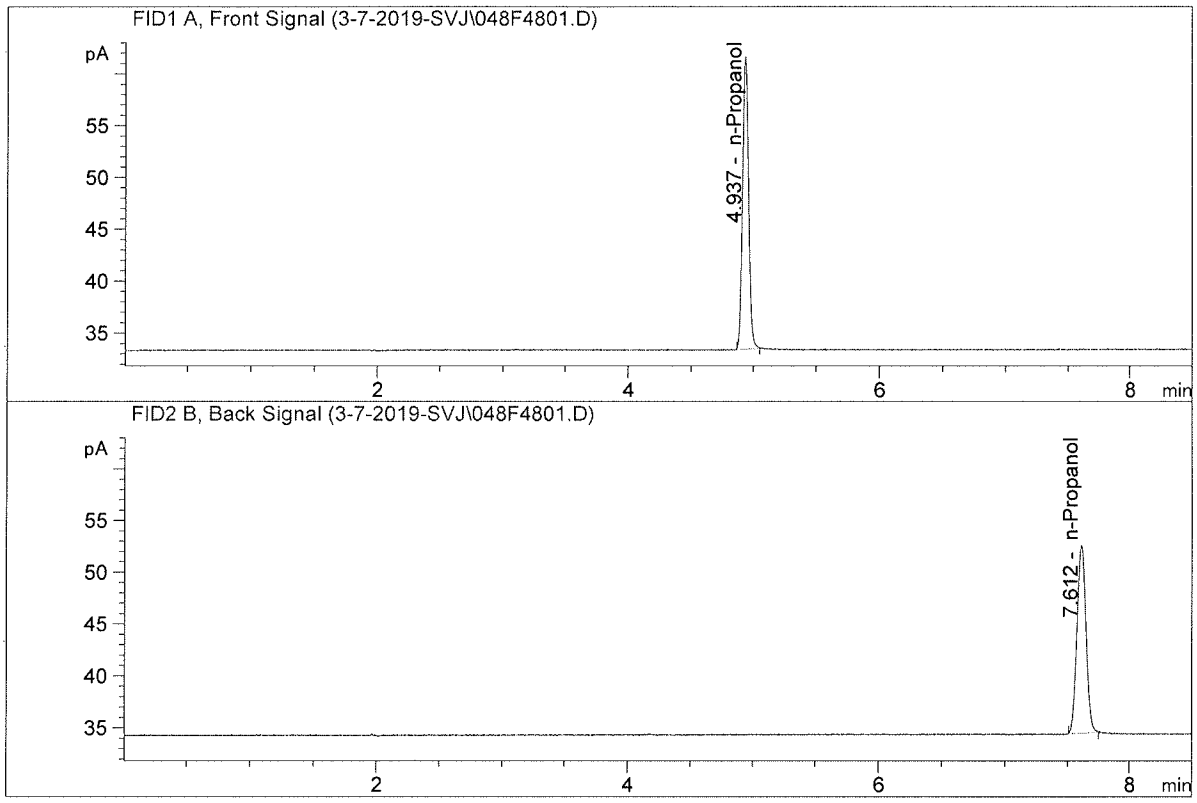
Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.93447	0.0782	g/100cc
2.	Ethanol	Column 2:	14.91456	0.0778	g/100cc
3.	n-Propanol	Column 1:	93.72137	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.45192	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

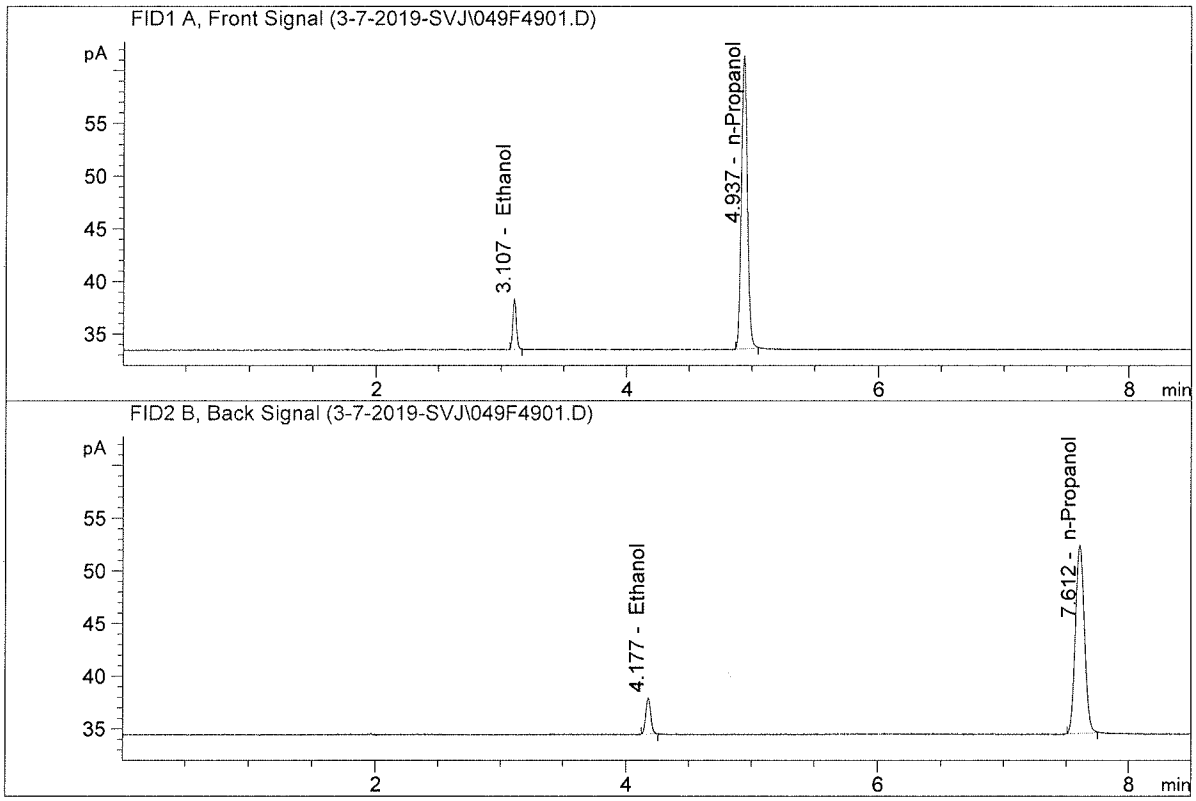
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	92.86328	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.50631	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

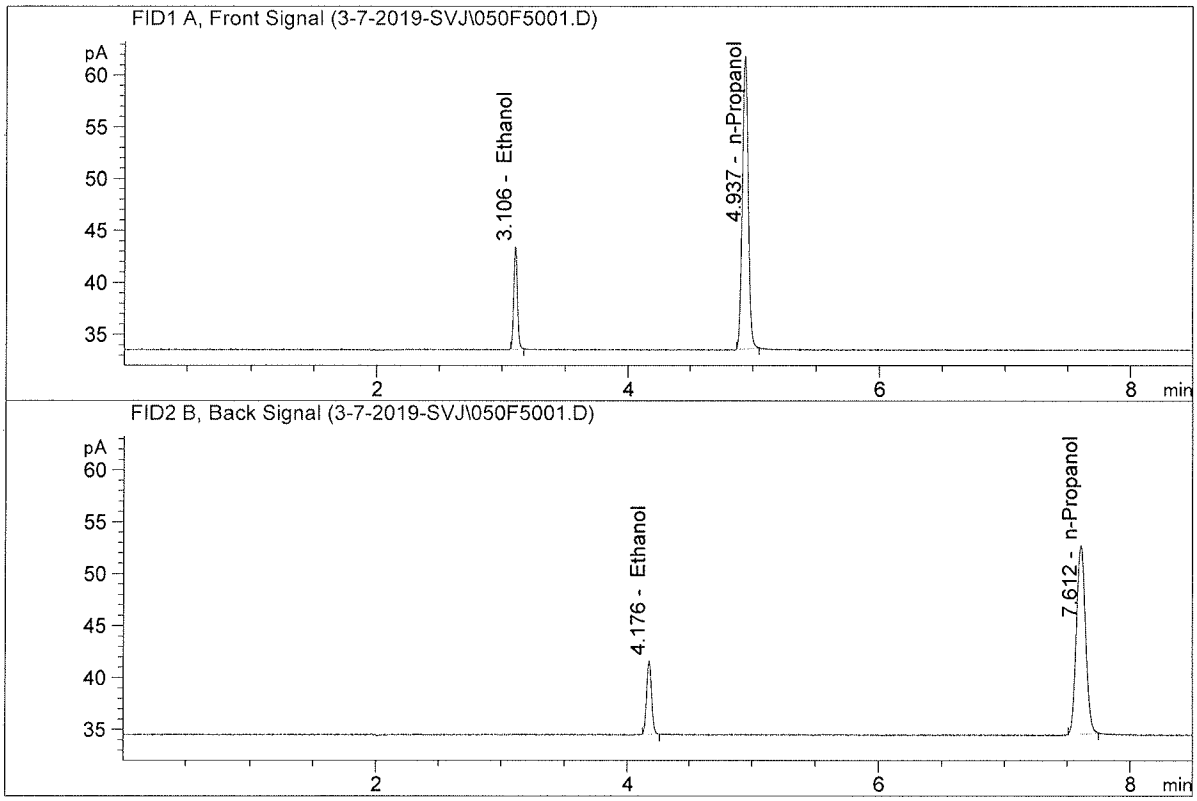
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.57704	0.0514	g/100cc
2.	Ethanol	Column 2:	9.52725	0.0510	g/100cc
3.	n-Propanol	Column 1:	91.46816	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.17411	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

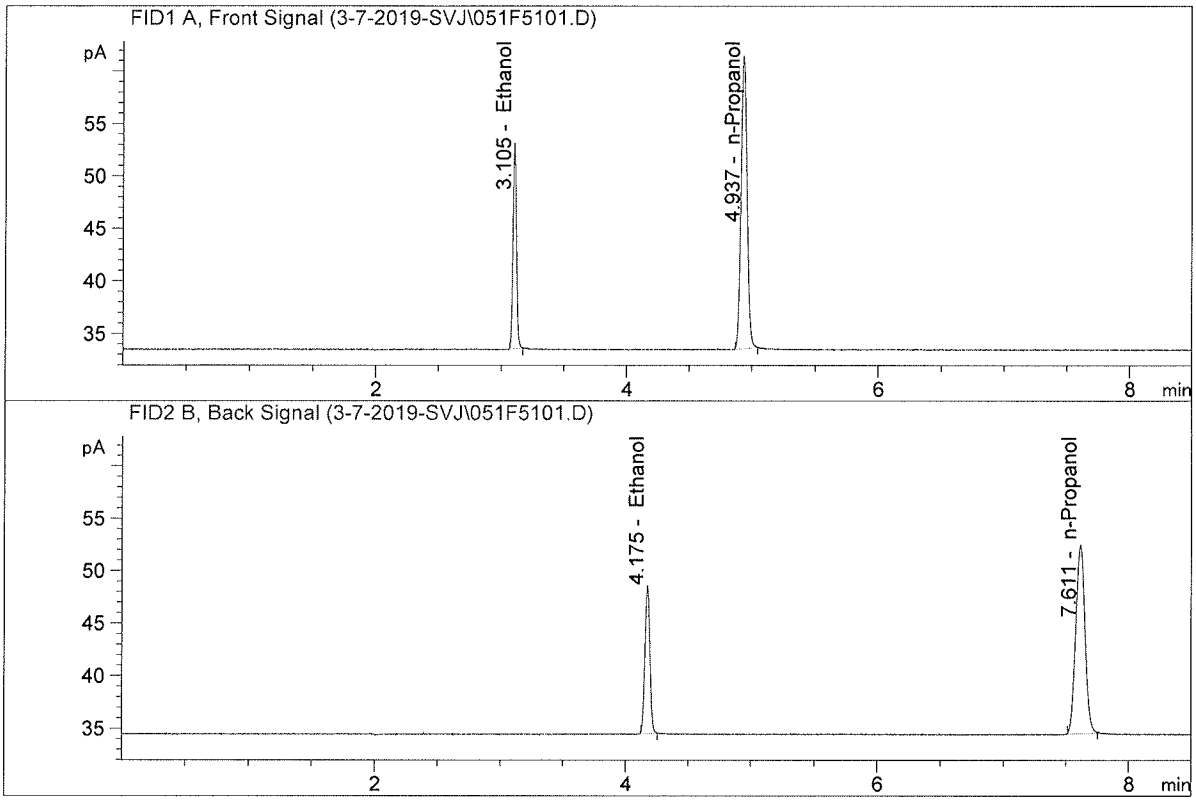
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.62137	0.1035	g/100cc
2.	Ethanol	Column 2:	19.60802	0.1033	g/100cc
3.	n-Propanol	Column 1:	93.10610	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.61749	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

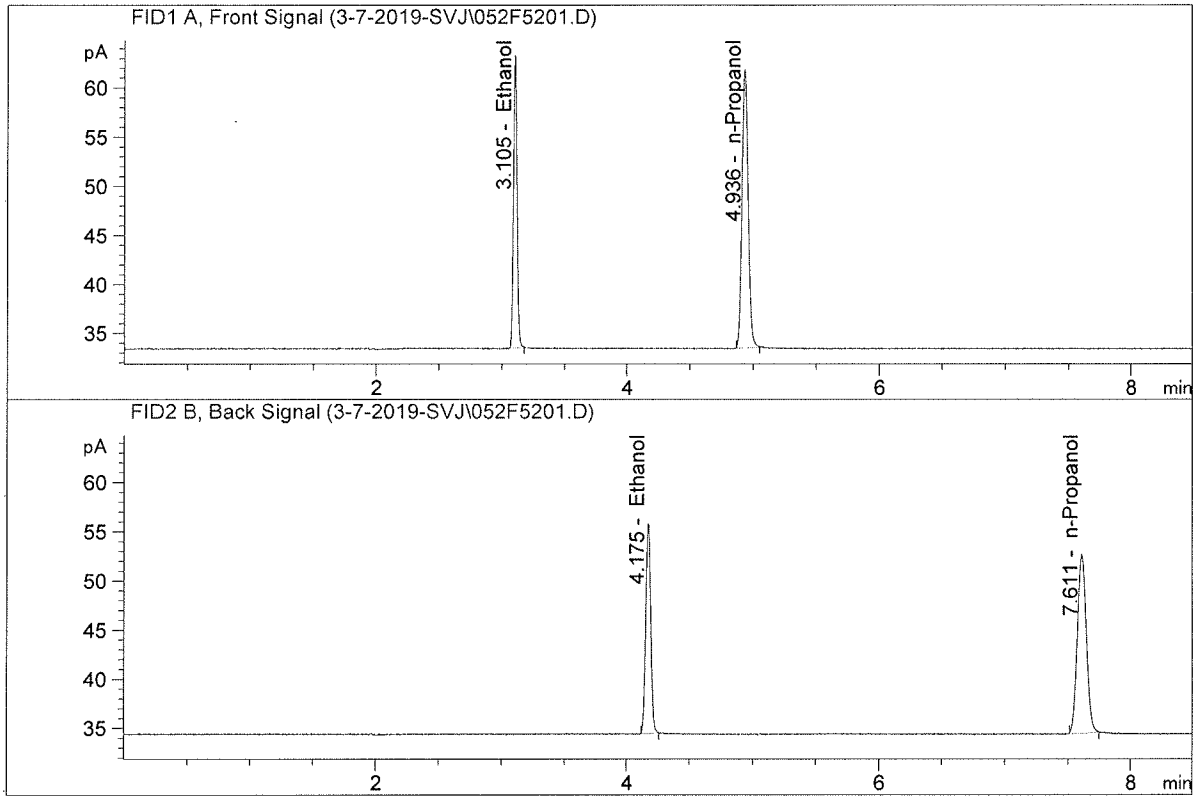
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.62555	0.2062	g/100cc
2.	Ethanol	Column 2:	38.77268	0.2065	g/100cc
3.	n-Propanol	Column 1:	91.97353	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.57618	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

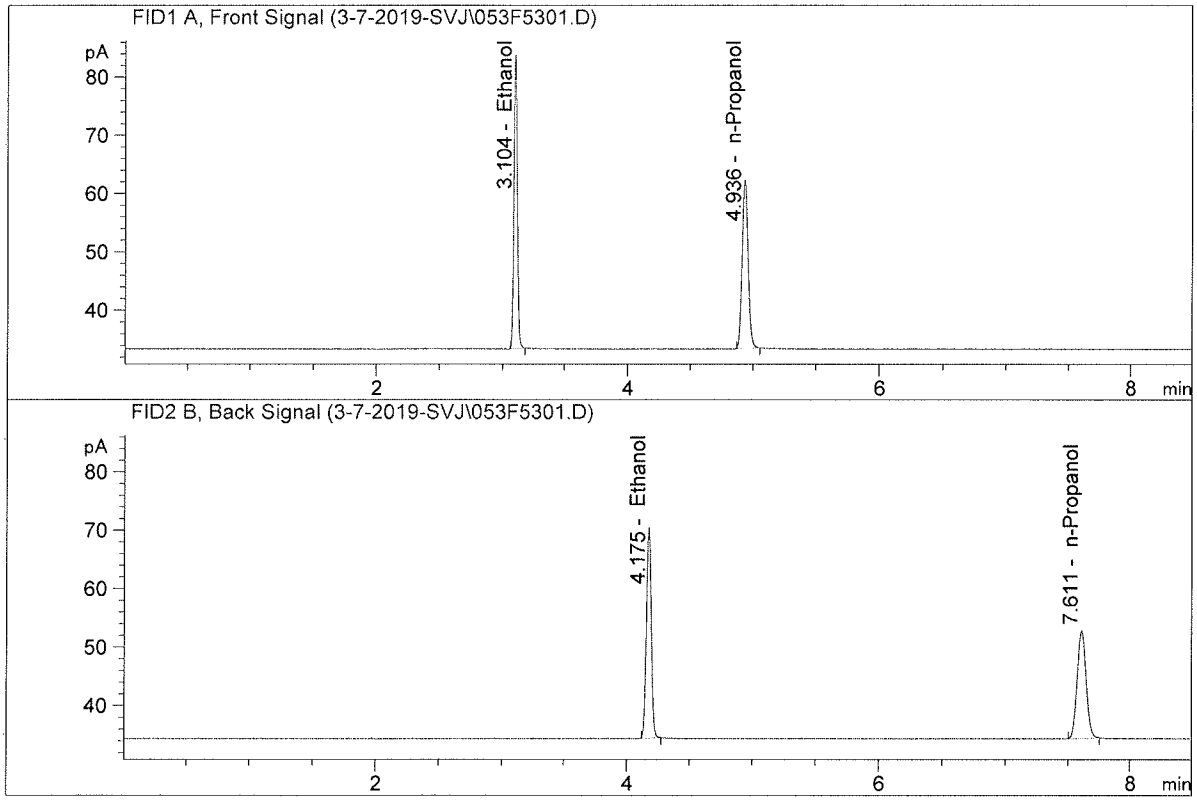


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	58.55676	0.3087	g/100cc
2.	Ethanol	Column 2:	58.74649	0.3099	g/100cc
3.	n-Propanol	Column 1:	93.15691	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.46227	1.0000	g/100cc

NG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Mar 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

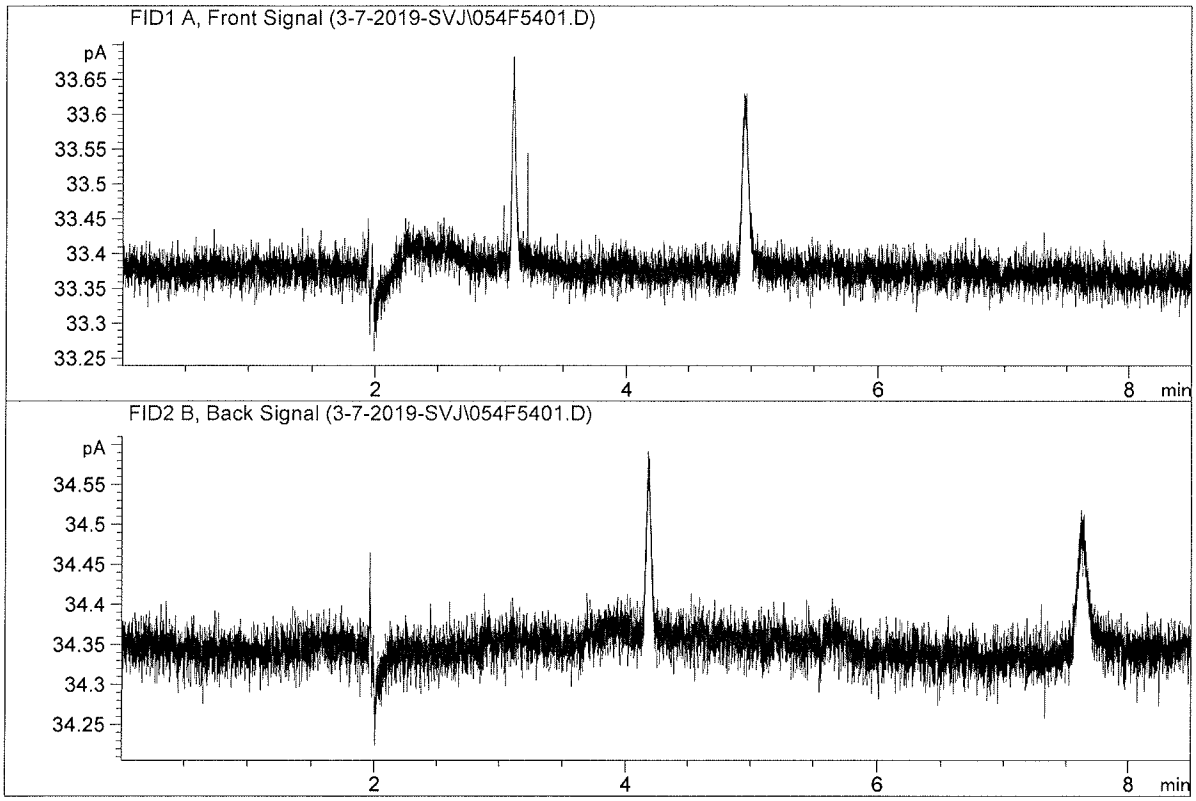


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	98.39885	0.5101	g/100cc
2.	Ethanol	Column 2:	98.95467	0.5135	g/100cc
3.	n-Propanol	Column 1:	94.72554	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.98108	1.0000	g/100cc

RVB

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 7, 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