Worklist: 2228

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-0251	1	106905	Alcohol Analysis
C2018-0266	1	107233	Alcohol Analysis
C2018-0280	1	107360	Alcohol Analysis
C2018-0309	1	107642	Alcohol Analysis
C2018-0314	1	107648	Alcohol Analysis
C2018-0315	1	107649	Alcohol Analysis
C2018-0317	1	107690	Alcohol Analysis
C2018-0335	1	108013	Alcohol Analysis
C2018-0349	1	108144	Alcohol Analysis
C2018-0350	1	108145	Alcohol Analysis
C2018-0391	1	109029	Alcohol Analysis
C2018-0391	2	109030	Alcohol Analysis
C2018-0391	3	109031	Alcohol Analysis
C2018-0391	4	109032	Alcohol Analysis
C2018-0401	1	108678	Alcohol Analysis
C2018-0406	1	108720	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: MD-96GF641

Volatiles Quality Assurance Controls **Run Date(s): 3/9/2017**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0758 g/100cc
					0.0772 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-0.2222	0.1966 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	0.99998	**Column2**	0.99997

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	0.0493	0.0487	0.0006	0.049
0.080							0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0997	0.0984	0.0013	0.099
0.200	Mar-17	FN032712-01	0.200	0.180 - 0.220	0.1973	0.1965	0.0008	0.1969
0.300	Oct-18	FN09061305	0.300	0.270 - 0.330	0.3023	0.3018	0.0005	0.302
0.400							0	#DIV/0!
0.500	Jan-18	FN012813-01	0.500	0.450 - 0.550	0.4998	0.5008	0.001	0.5003

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.079 g/100cc

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

Issued: 4/22/2015

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.03.2018_08.57.20\3-1-18cal.S
Data directory path: C:\Chem32\1\Data\3-1-18calSVJ
Logbook: C:\Chem32\1\Data\3-1-18calSVJ\3-1-18cal.LOG
Sequence start: 3/1/2018 9:11:11 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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, March 01, 2018 10:16:28 AM
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

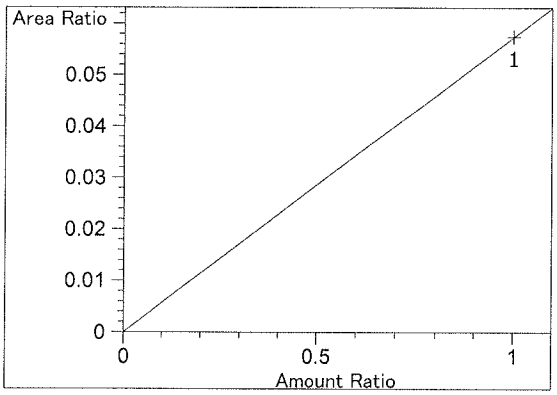
Overview Table

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
3.102	1	1	5.00000e-2	7.88450	6.34156e-3	No	No	1	Ethanol
		2	1.00000e-1	16.27237	6.14539e-3				
		3	2.00000e-1	33.87543	5.90398e-3				
		4	3.00000e-1	51.97524	5.77198e-3				
		5	5.00000e-1	81.99908	6.09763e-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
4.172	2	1	5.00000e-2	7.98009	6.26559e-3	No	No	2	Ethanol
		2	1.00000e-1	16.25319	6.15264e-3				
		3	2.00000e-1	33.86124	5.90646e-3				
		4	3.00000e-1	51.88903	5.78157e-3				
		5	5.00000e-1	82.06849	6.09247e-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
4.933	1	1	1.00000	87.67776	1.14054e-2	No	Yes	1	n-Propanol
		2	1.00000	90.03716	1.11065e-2				
		3	1.00000	92.84892	1.07702e-2				
		4	1.00000	94.03136	1.06348e-2				
		5	1.00000	90.11020	1.10975e-2				
7.606	2	1	1.00000	87.12031	1.14784e-2	No	Yes	2	n-Propanol
		2	1.00000	89.30450	1.11976e-2				
		3	1.00000	91.97377	1.08727e-2				
		4	1.00000	92.89188	1.07652e-2				
		5	1.00000	88.75584	1.12669e-2				

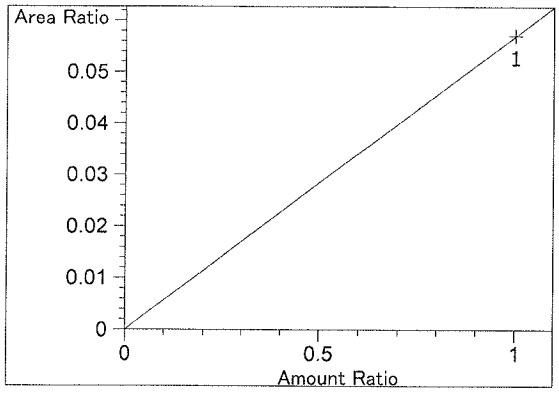
Peak Sum Table

No Entries in table

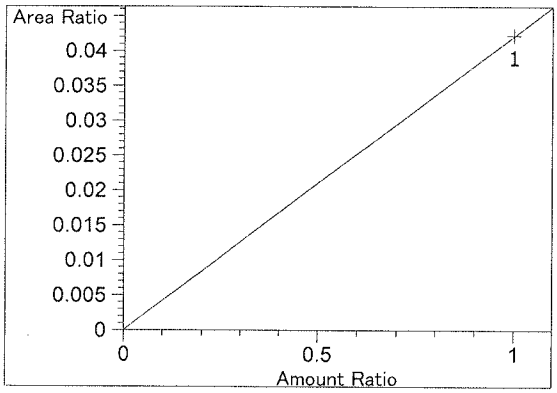
Calibration Curves



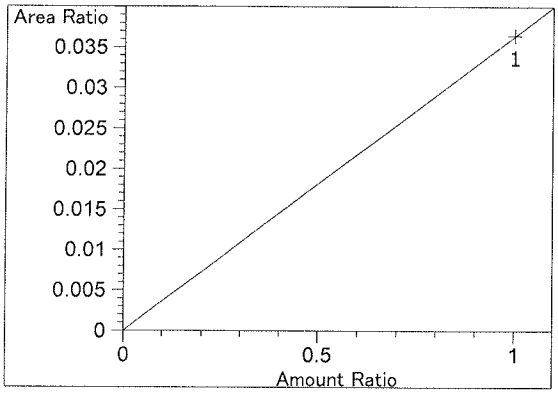
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.73919e-2
x: Amount Ratio
y: Area Ratio



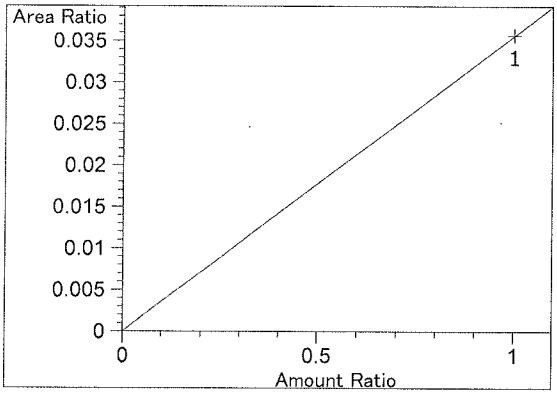
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.70270e-2
x: Amount Ratio
y: Area Ratio



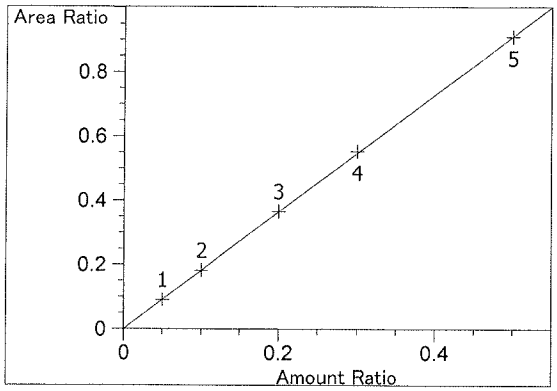
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.21623e-2
x: Amount Ratio
y: Area Ratio



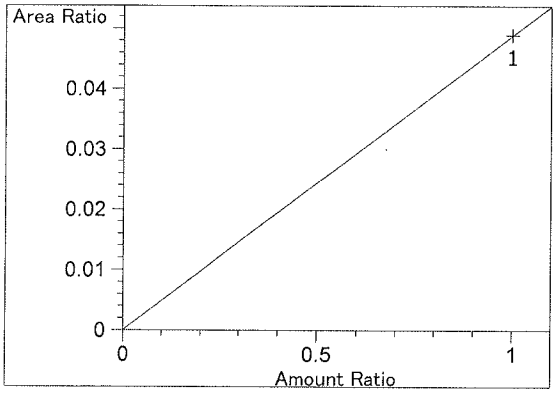
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.64187e-2
x: Amount Ratio
y: Area Ratio



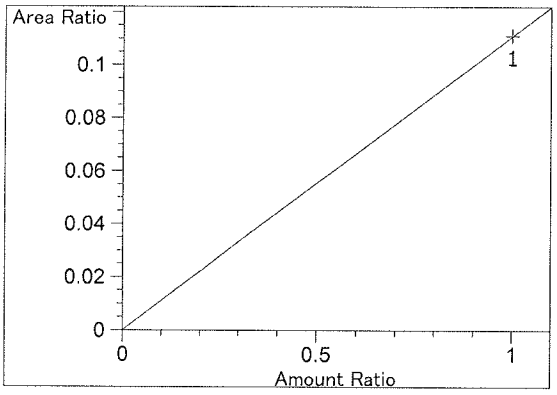
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.56490e-2
x: Amount Ratio
y: Area Ratio



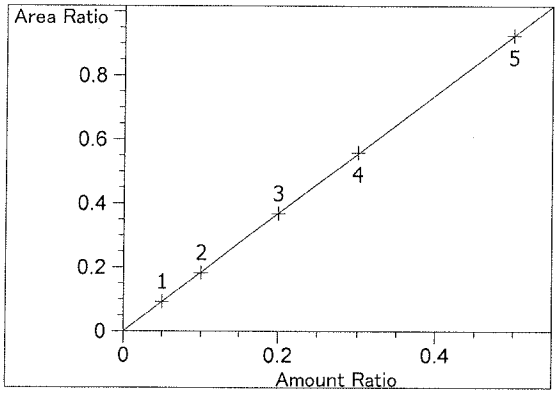
Ethanol at exp. RT: 3.102
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00311
Formula: y = mx
m: 1.82511
x: Amount Ratio
y: Area Ratio



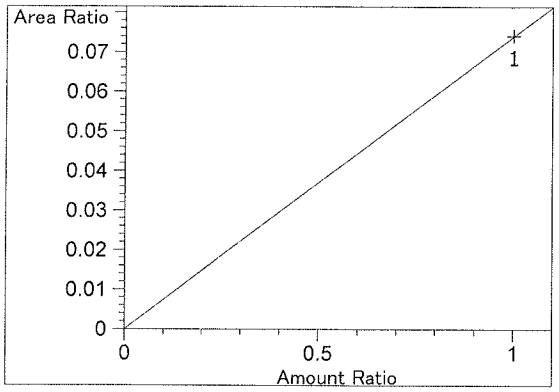
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.89051e-2
x: Amount Ratio
y: Area Ratio



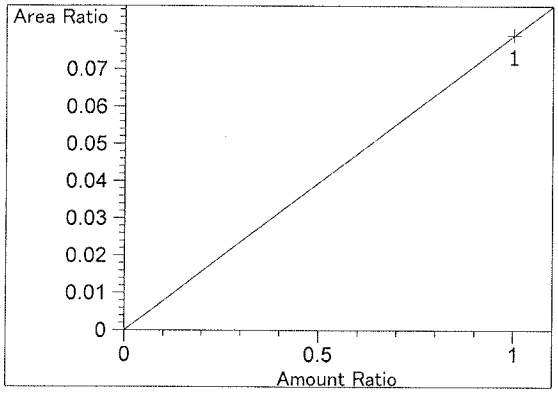
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.10981e-1
x: Amount Ratio
y: Area Ratio



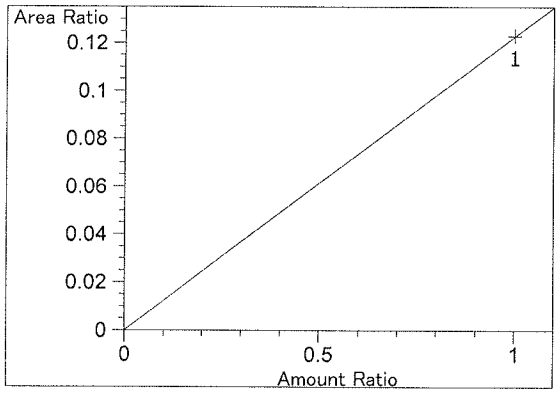
Ethanol at exp. RT: 4.172
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00256
Formula: y = mx
m: 1.85049
x: Amount Ratio
y: Area Ratio



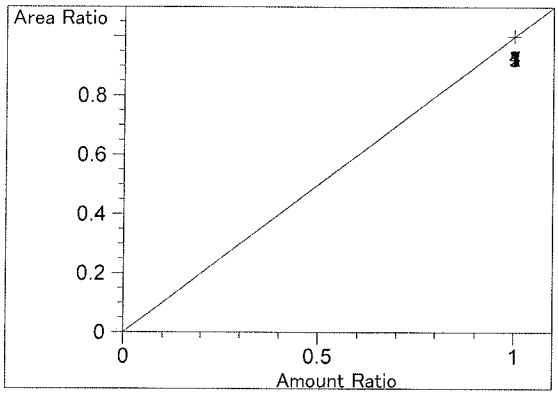
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.41283e-2
x: Amount Ratio
y: Area Ratio



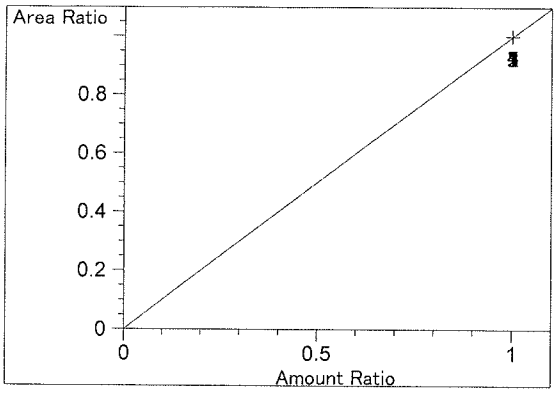
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.91206e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.22892e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.933
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

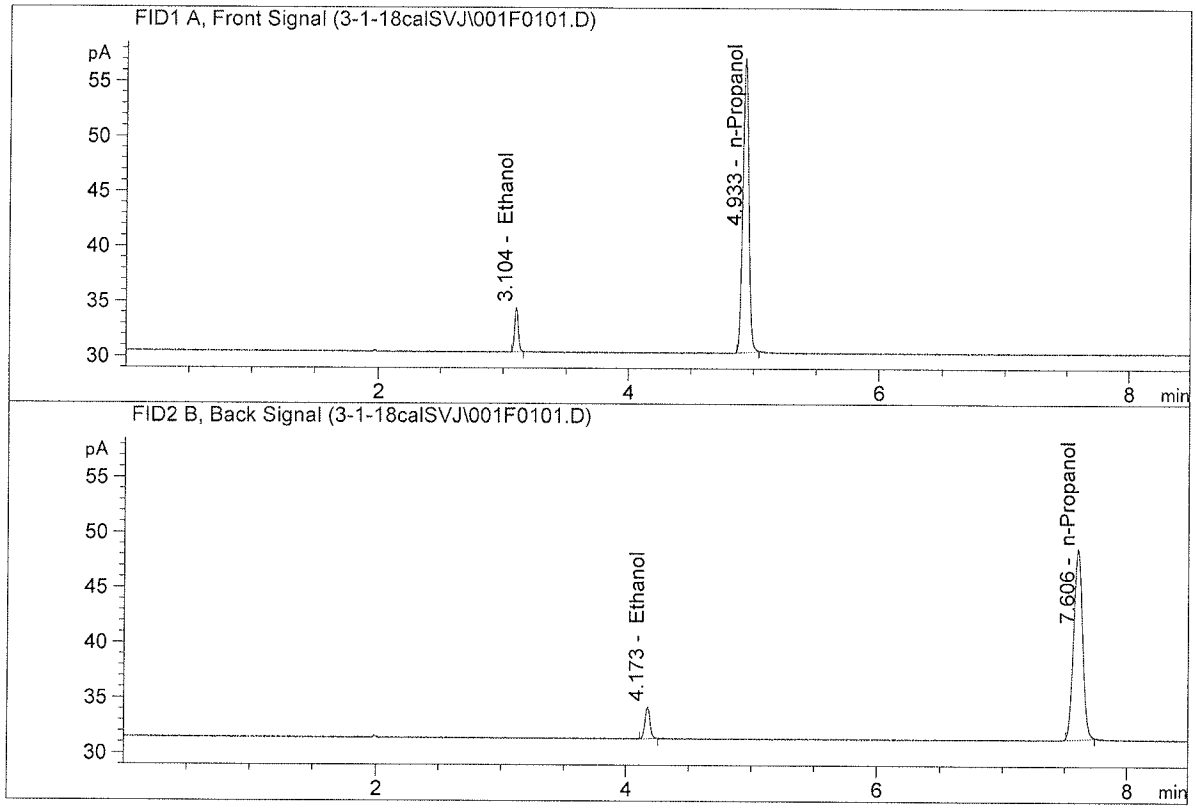


n-Propanol at exp. RT: 7.606
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

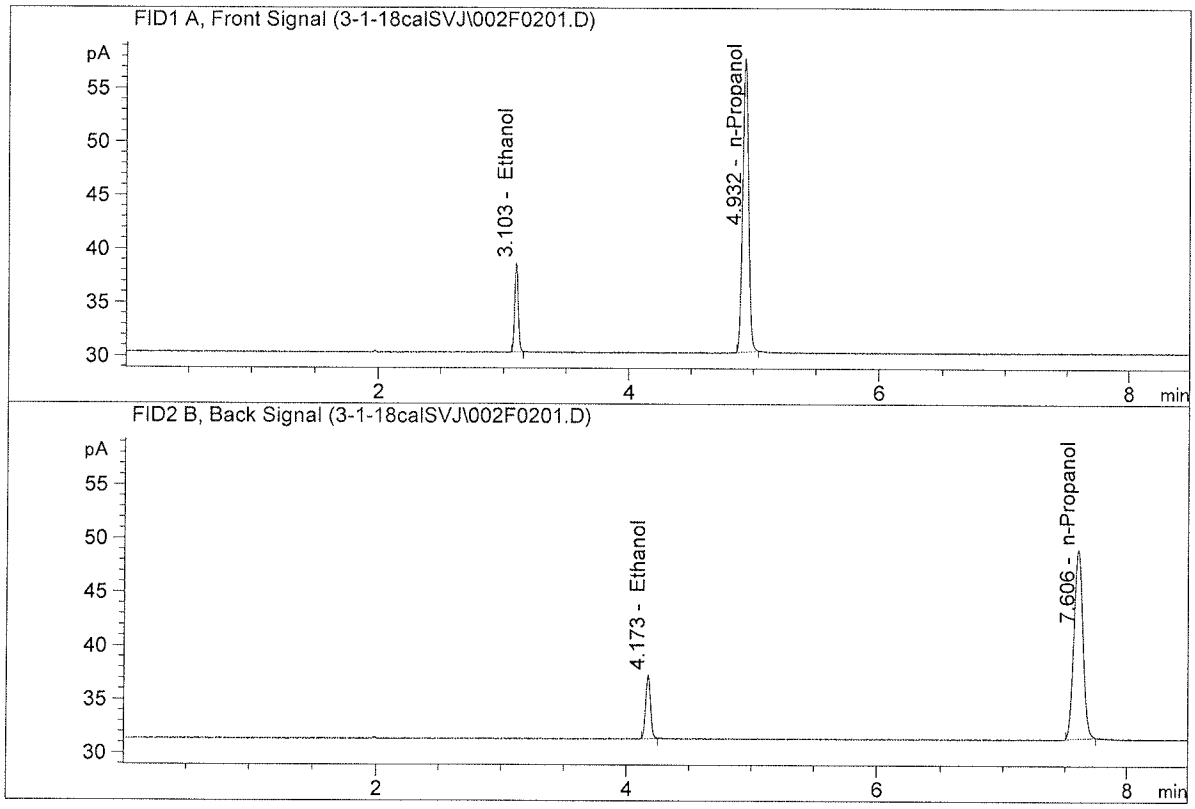
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.88450	0.0493	g/100cc
2.	Ethanol	Column 2:	7.98009	0.0495	g/100cc
3.	n-Propanol	Column 1:	87.67776	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.12031	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

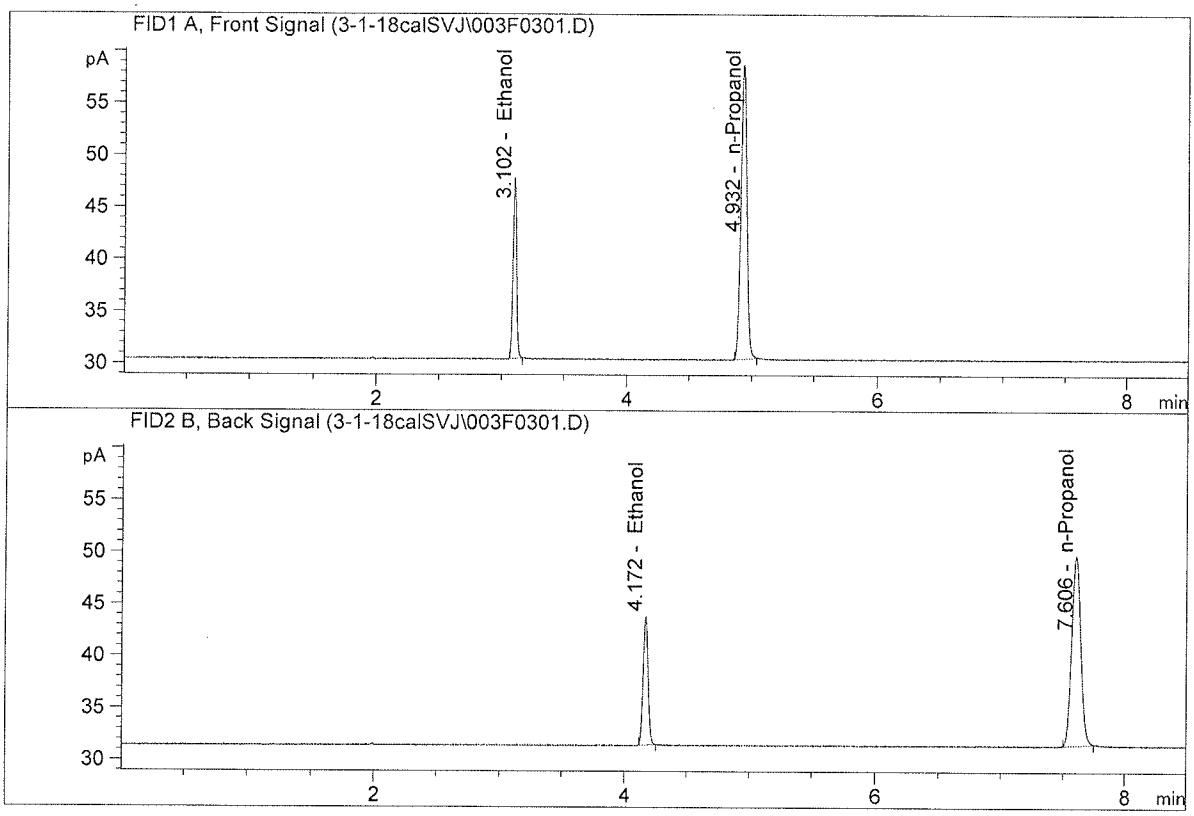
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.27237	0.0990	g/100cc
2.	Ethanol	Column 2:	16.25319	0.0984	g/100cc
3.	n-Propanol	Column 1:	90.03716	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.30450	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

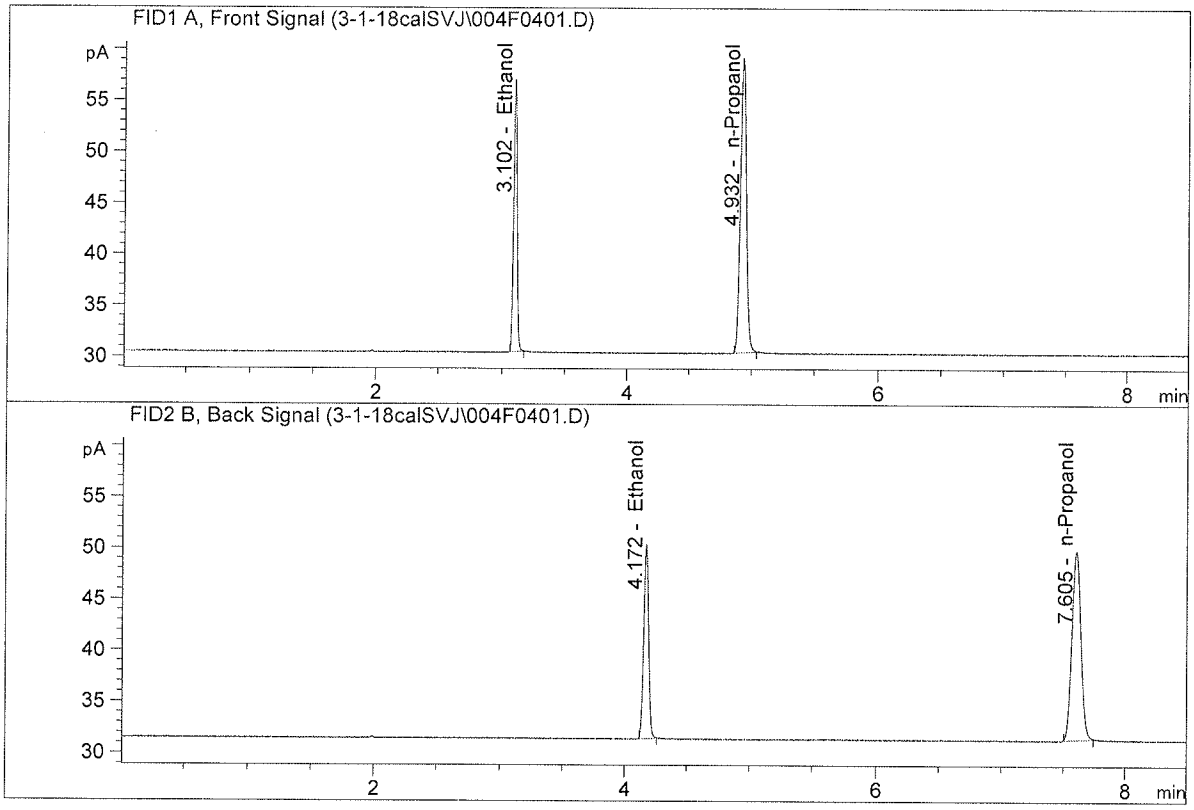
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.87543	0.1999	g/100cc
2.	Ethanol	Column 2:	33.86124	0.1990	g/100cc
3.	n-Propanol	Column 1:	92.84892	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.97377	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

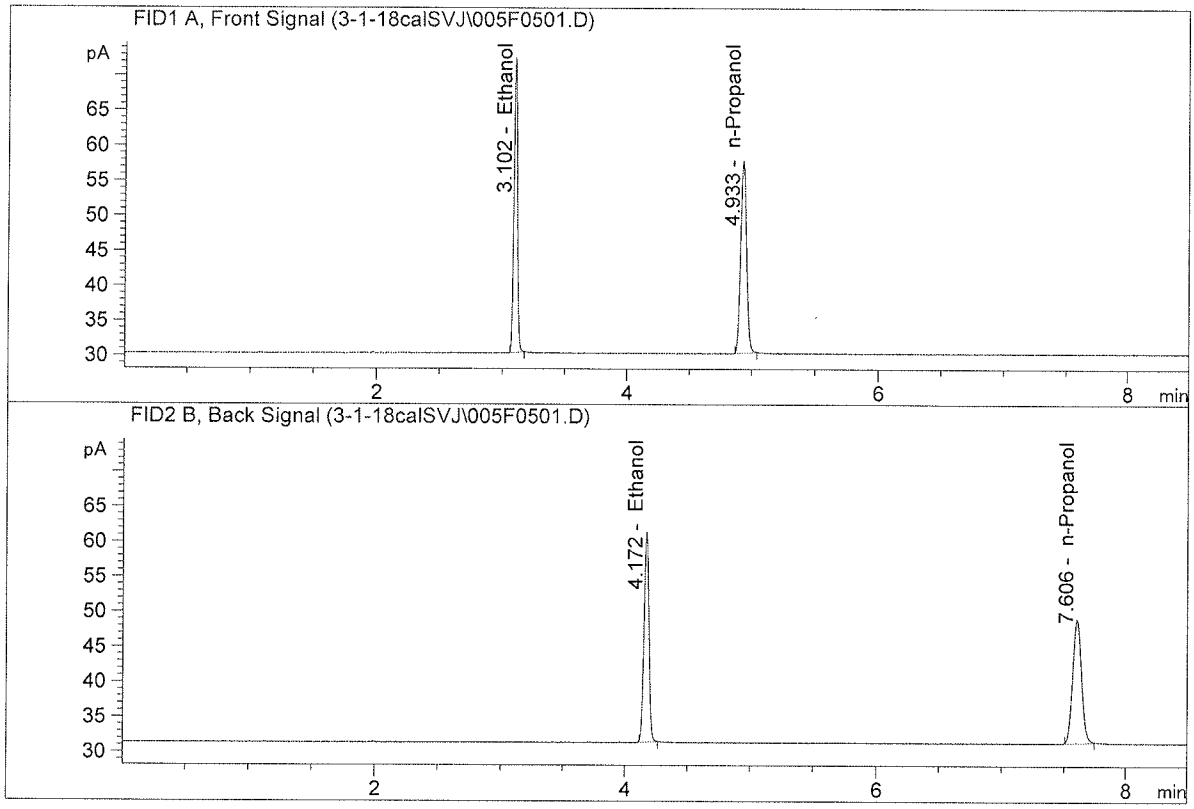
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.97524	0.3029	g/100cc
2.	Ethanol	Column 2:	51.88903	0.3019	g/100cc
3.	n-Propanol	Column 1:	94.03136	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.89188	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

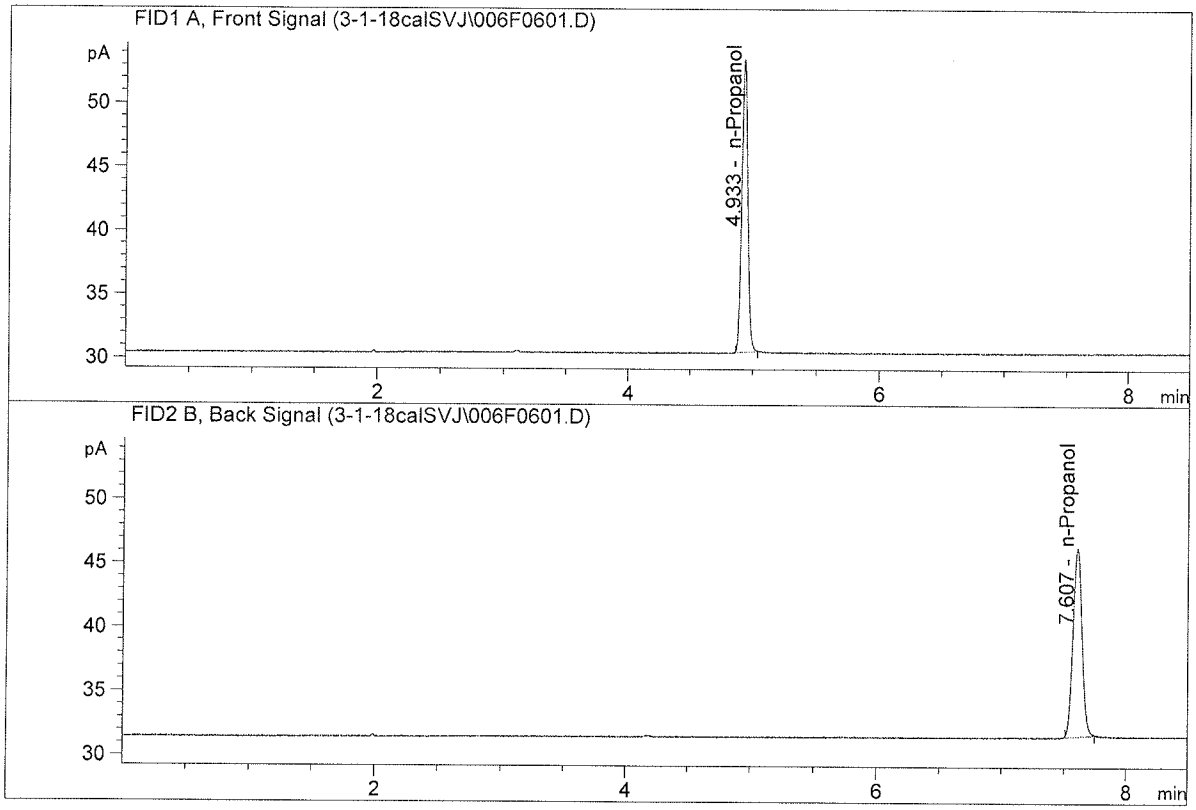
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	81.99908	0.4986	g/100cc
2.	Ethanol	Column 2:	82.06849	0.4997	g/100cc
3.	n-Propanol	Column 1:	90.11020	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.75584	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 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:	75.37610	1.0000	g/100cc
4.	n-Propanol	Column 2:	74.59221	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.03.2018_11.03.26\3-1-2018.S
Data directory path: C:\Chem32\1\Data\3-1-2018-SVJ
Logbook: C:\Chem32\1\Data\3-1-2018-SVJ\3-1-2018.LOG
Sequence start: 3/1/2018 11:17:10 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

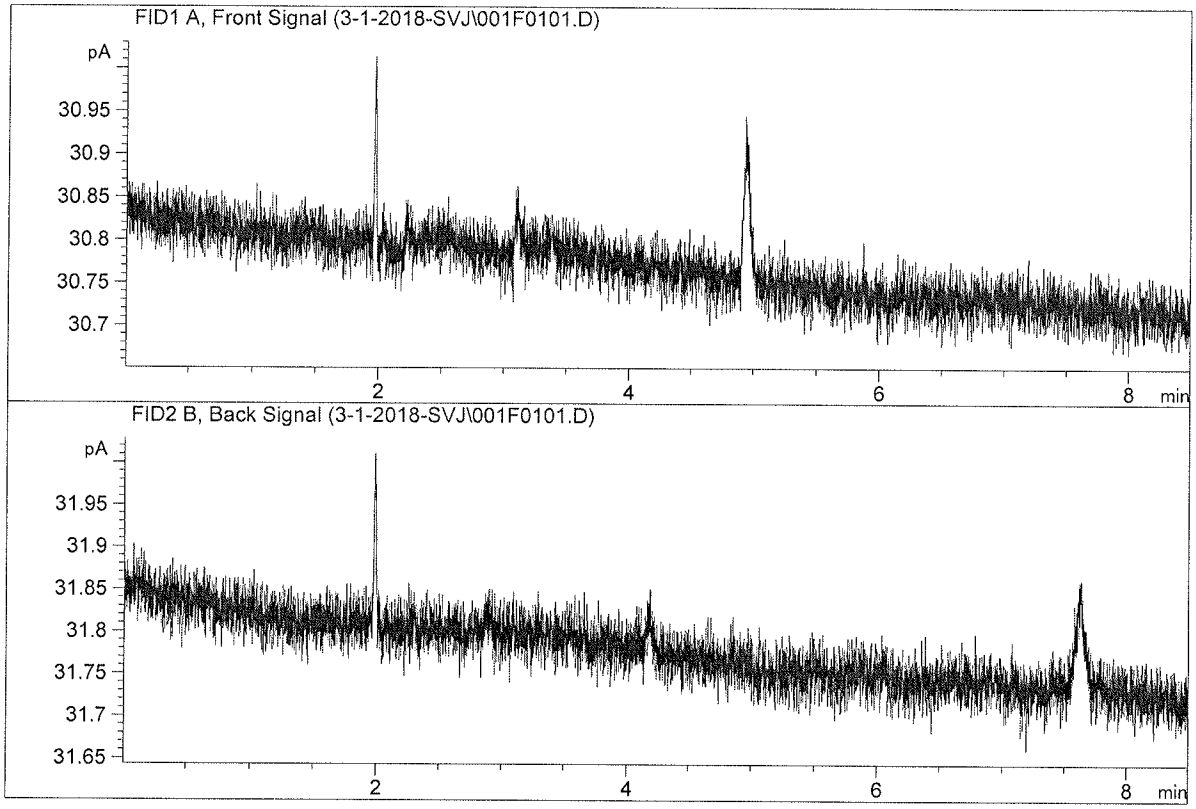
Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-1-A	-	1.0000	004F0401.D		4
5	5	1	QC-1-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	C2018-0251-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-0251-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-0266-1-A	-	1.0000	010F1001.D		2
11	11	1	C2018-0266-1-B	-	1.0000	011F1101.D		2
12	12	1	C2018-0280-1-A	-	1.0000	012F1201.D		4
13	13	1	C2018-0280-1-B	-	1.0000	013F1301.D		4
14	14	1	C2018-0309-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-0309-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-0314-1-A	-	1.0000	016F1601.D		4
17	17	1	C2018-0314-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-0315-1-A	-	1.0000	018F1801.D		2
19	19	1	C2018-0315-1-B	-	1.0000	019F1901.D		2
20	20	1	C2018-0317-1-A	-	1.0000	020F2001.D		2
21	21	1	C2018-0317-1-B	-	1.0000	021F2101.D		2
22	22	1	C2018-0335-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-0335-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-0349-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-0349-1-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	C2018-0350-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-0350-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-0391-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-0391-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-0391-2-A	-	1.0000	032F3201.D		4
33	33	1	C2018-0391-2-B	-	1.0000	033F3301.D		4
34	34	1	C2018-0391-3-A	-	1.0000	034F3401.D		2
35	35	1	C2018-0391-3-B	-	1.0000	035F3501.D		2
36	36	1	C2018-0391-4-A	-	1.0000	036F3601.D		4
37	37	1	C2018-0391-4-B	-	1.0000	037F3701.D		4
38	38	1	C2018-0401-1-A	-	1.0000	038F3801.D		4
39	39	1	C2018-0401-1-B	-	1.0000	039F3901.D		4
40	40	1	C2018-0406-1-A	-	1.0000	040F4001.D		4
41	41	1	C2018-0406-1-B	-	1.0000	041F4101.D		4
42	42	1	QC-1-A	-	1.0000	042F4201.D		4
43	43	1	QC-1-B	-	1.0000	043F4301.D		4
44	44	1	ISTD BLANK	-	1.0000	044F4401.D		2
45	45	1	0.05	-	1.0000	045F4501.D		4
46	46	1	0.10	-	1.0000	046F4601.D		4

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_01.03.2018_11.03.26\3-1-2018.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	0.20	-	1.0000	047F4701.D		4
48	48	1	0.30	-	1.0000	048F4801.D		4
49	49	1	0.50	-	1.0000	049F4901.D		4
50	50	1	water	-	1.0000	050F5001.D		0

ISP Forensic Services Blood Alcohol Report

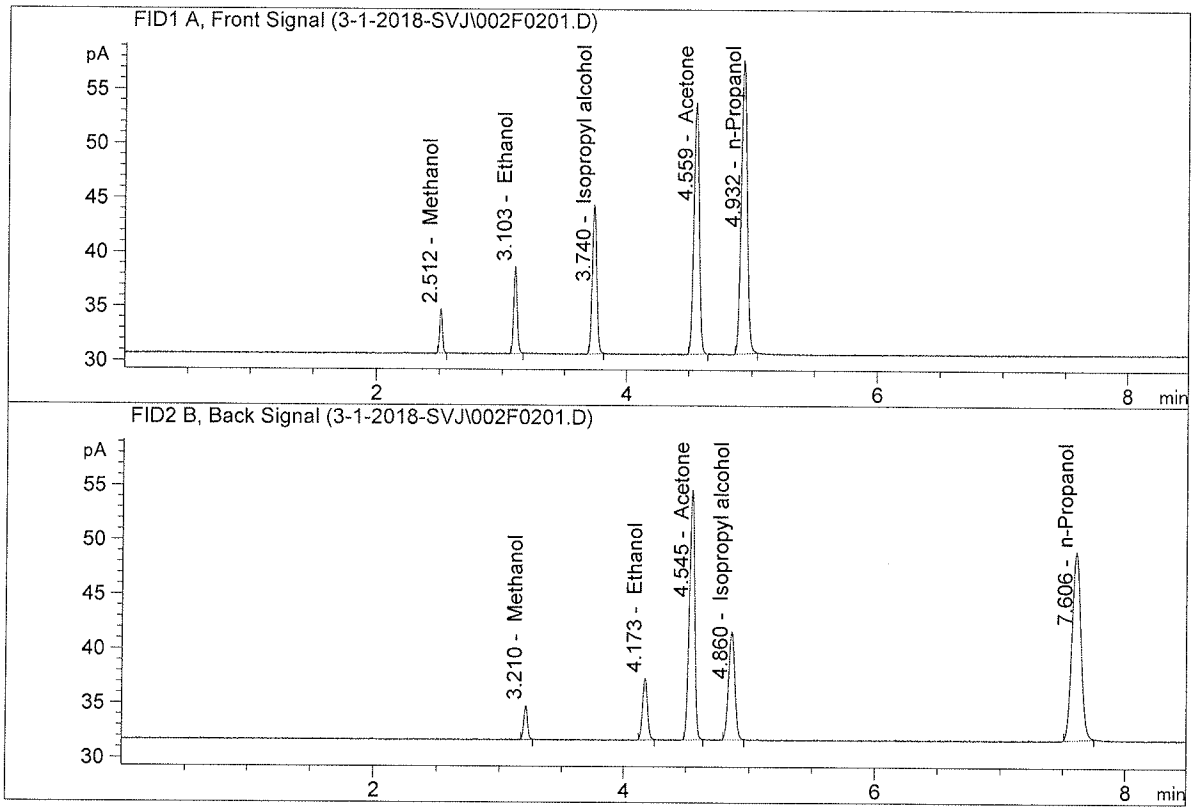
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

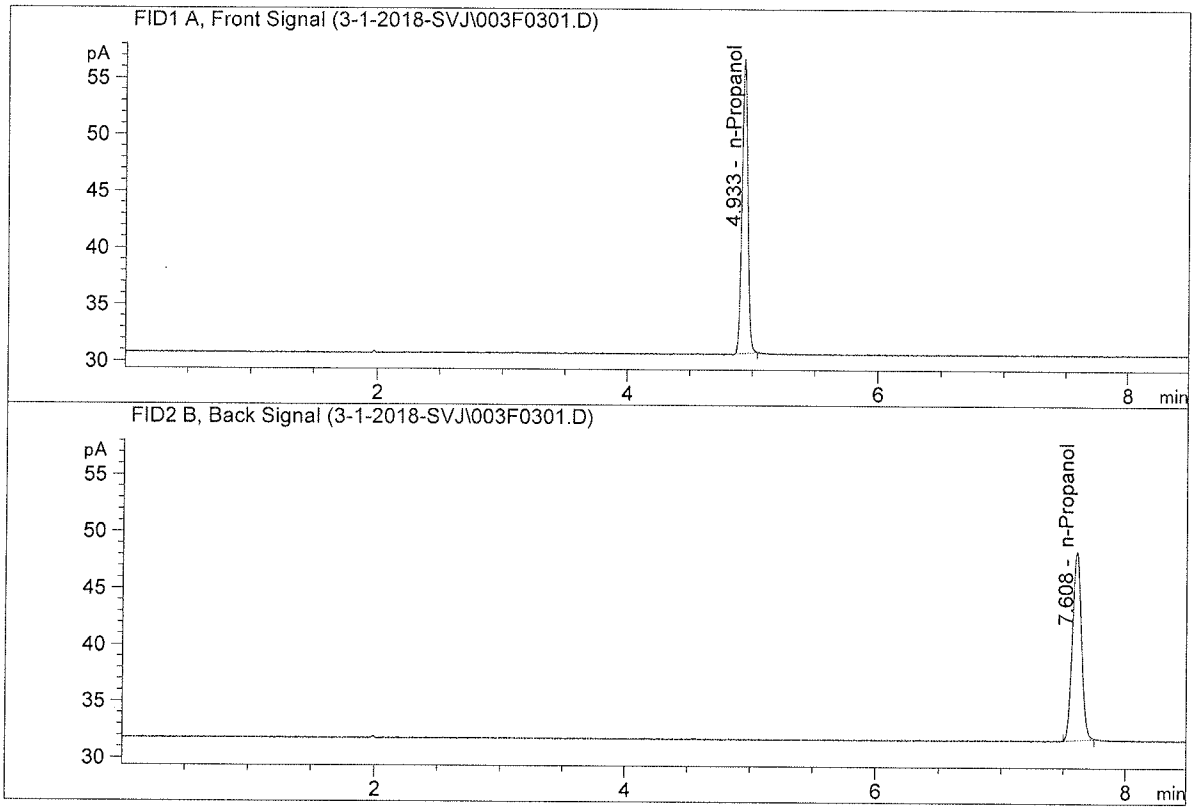
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.75287	0.0977	g/100cc
2.	Ethanol	Column 2:	15.62106	0.0966	g/100cc
3.	n-Propanol	Column 1:	88.32907	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.35439	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 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:	85.10004	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.35948	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 01 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0778	0.0773	0.0005	0.0775	0.0769	
(g/100cc)	0.0764	0.0761	0.0003	0.0762		

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
0.076	**0.072**	**0.080**	**0.004**

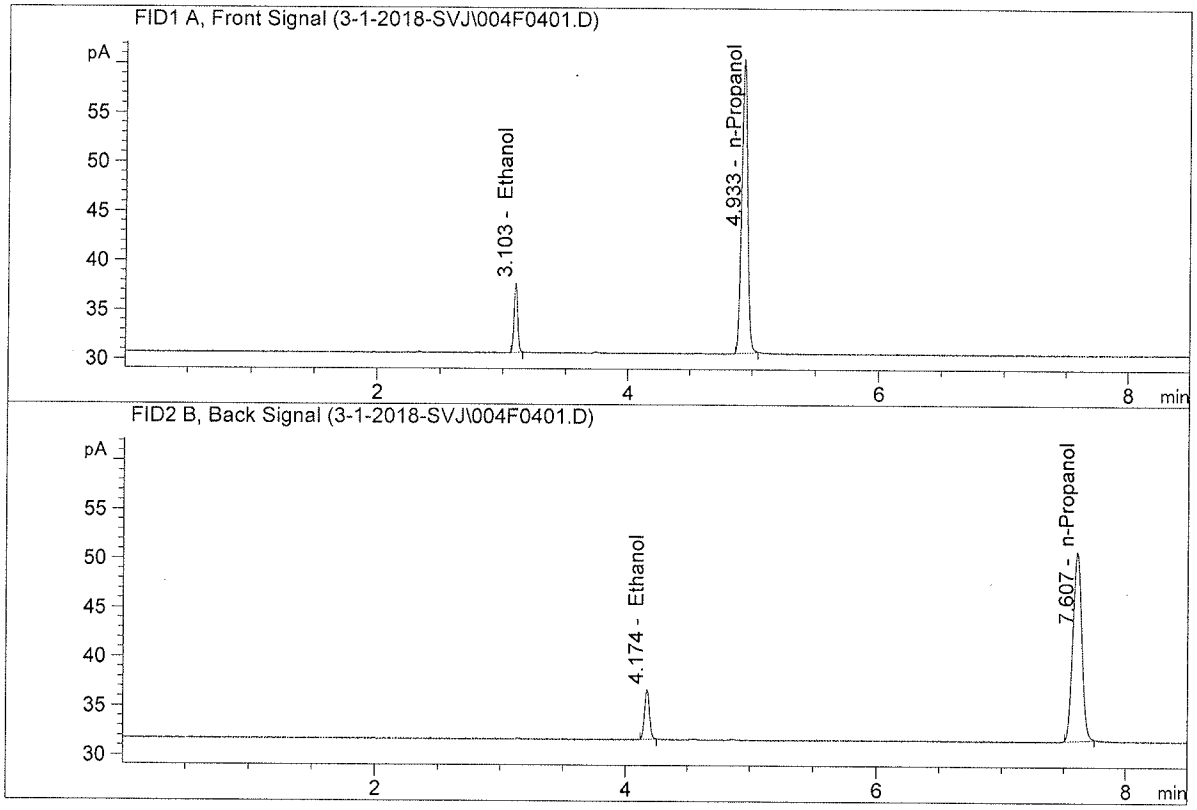
Reported Result

0.076

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

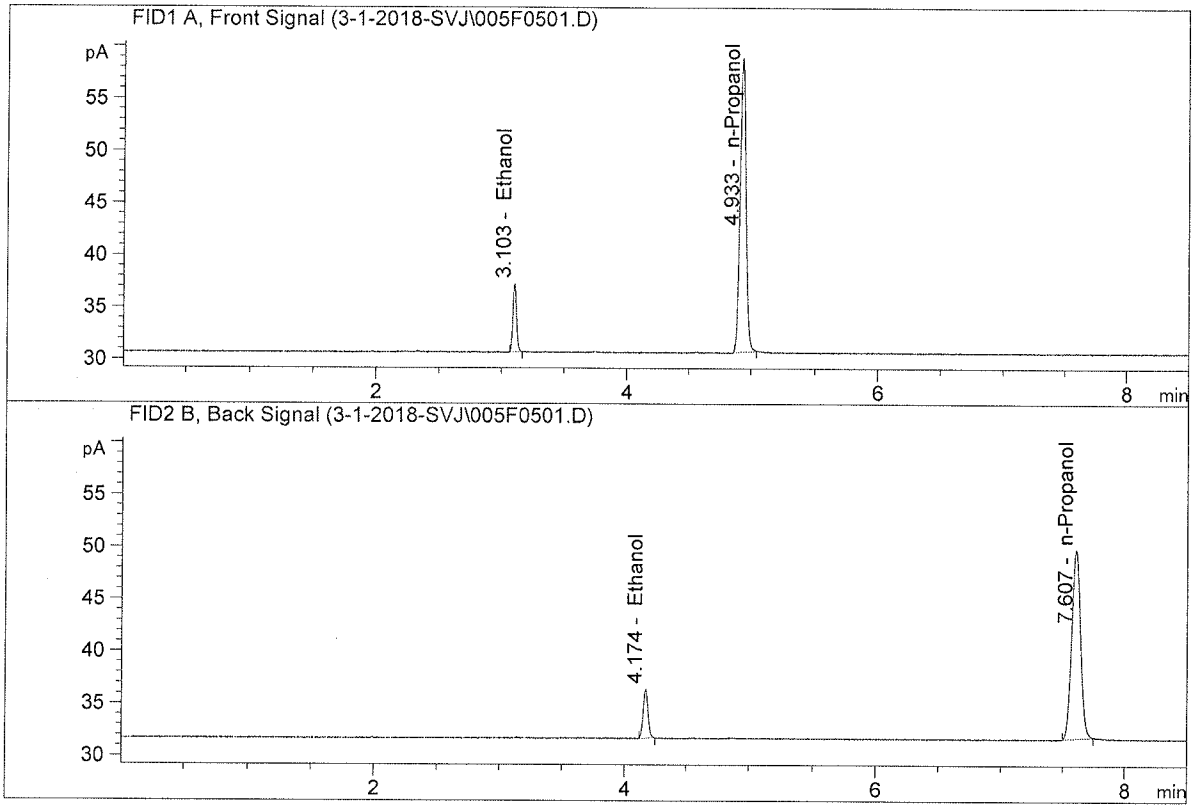
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.89090	0.0778	g/100cc
2.	Ethanol	Column 2:	13.85235	0.0773	g/100cc
3.	n-Propanol	Column 1:	97.87632	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.78821	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.89260	0.0764	g/100cc
2.	Ethanol	Column 2:	12.87401	0.0761	g/100cc
3.	n-Propanol	Column 1:	92.41157	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.41557	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 01 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0788	0.0788	0.0000	0.0788	0.0792	
(g/100cc)	0.0796	0.0796	0.0000	0.0796		

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%

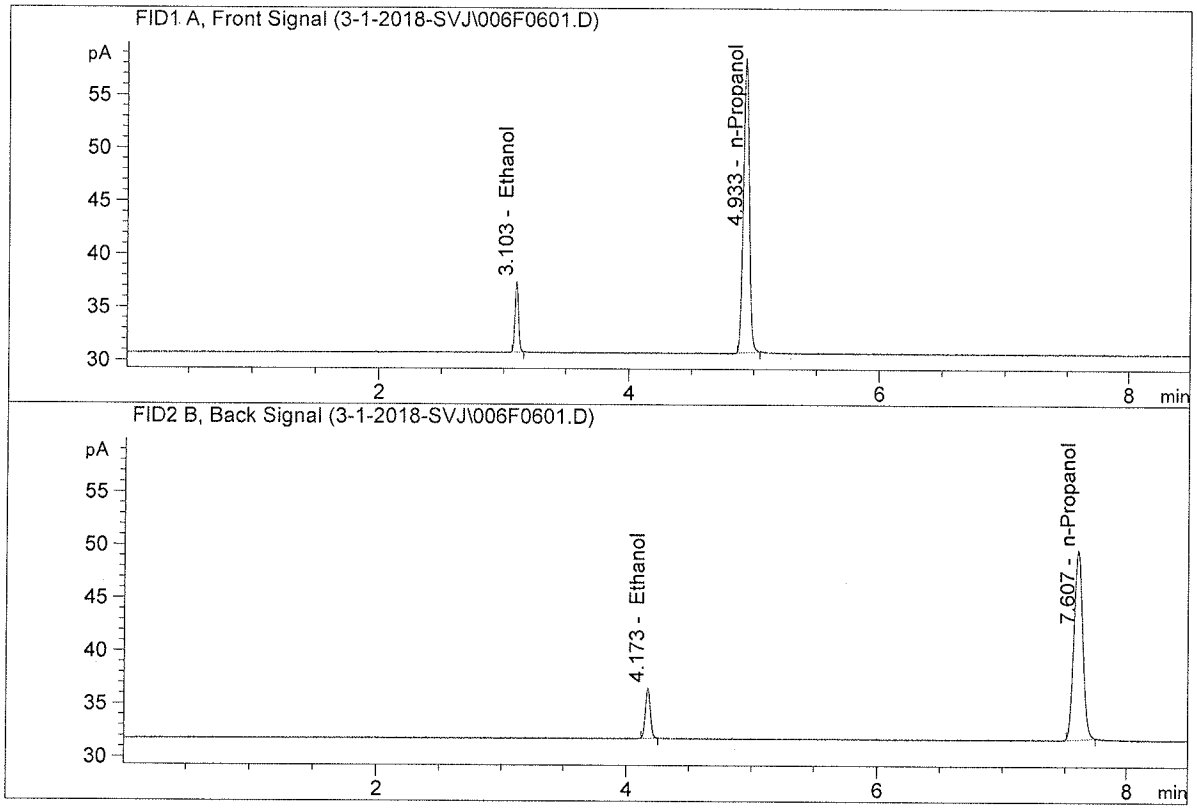
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

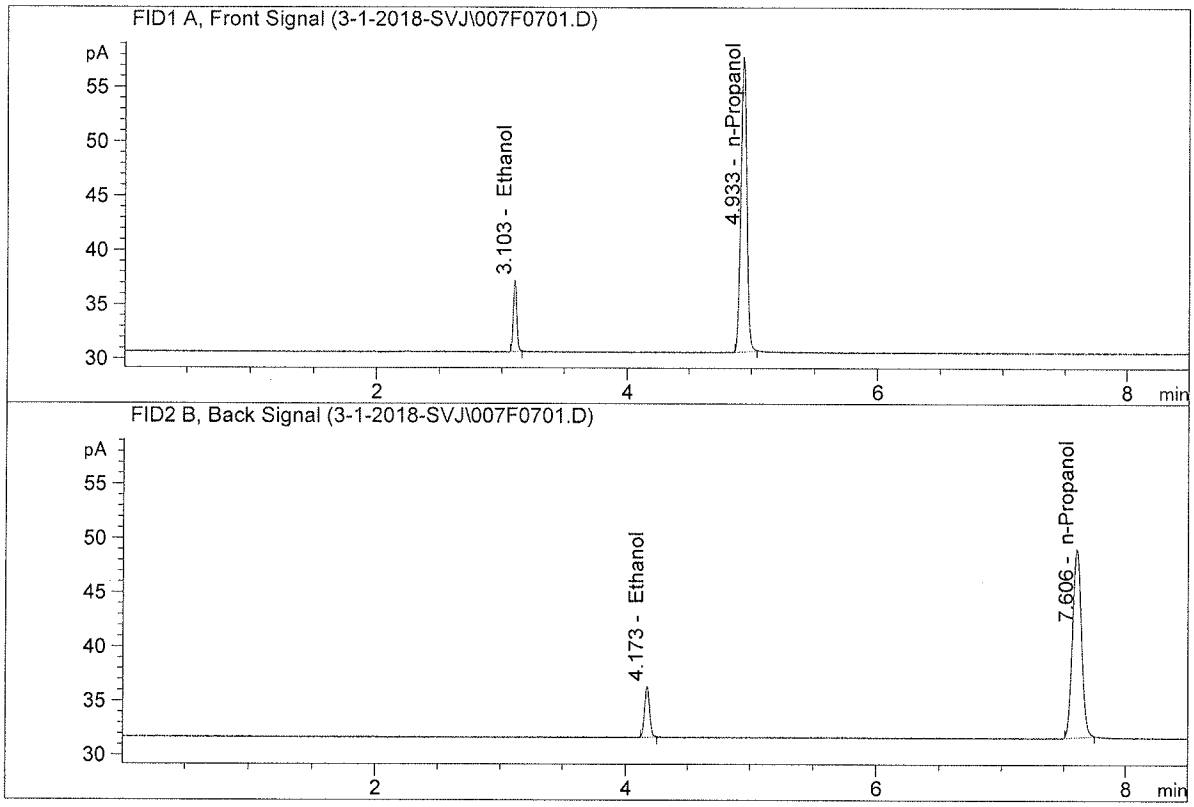
Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.08887	0.0788	g/100cc
2.	Ethanol	Column 2:	13.10974	0.0788	g/100cc
3.	n-Propanol	Column 1:	91.00642	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.95026	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.90319	0.0796	g/100cc
2.	Ethanol	Column 2:	12.90344	0.0796	g/100cc
3.	n-Propanol	Column 1:	88.85172	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.62780	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 01 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1932	0.1938	0.0006	0.1935	0.1941	
(g/100cc)	0.1952	0.1944	0.0008	0.1948		

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%

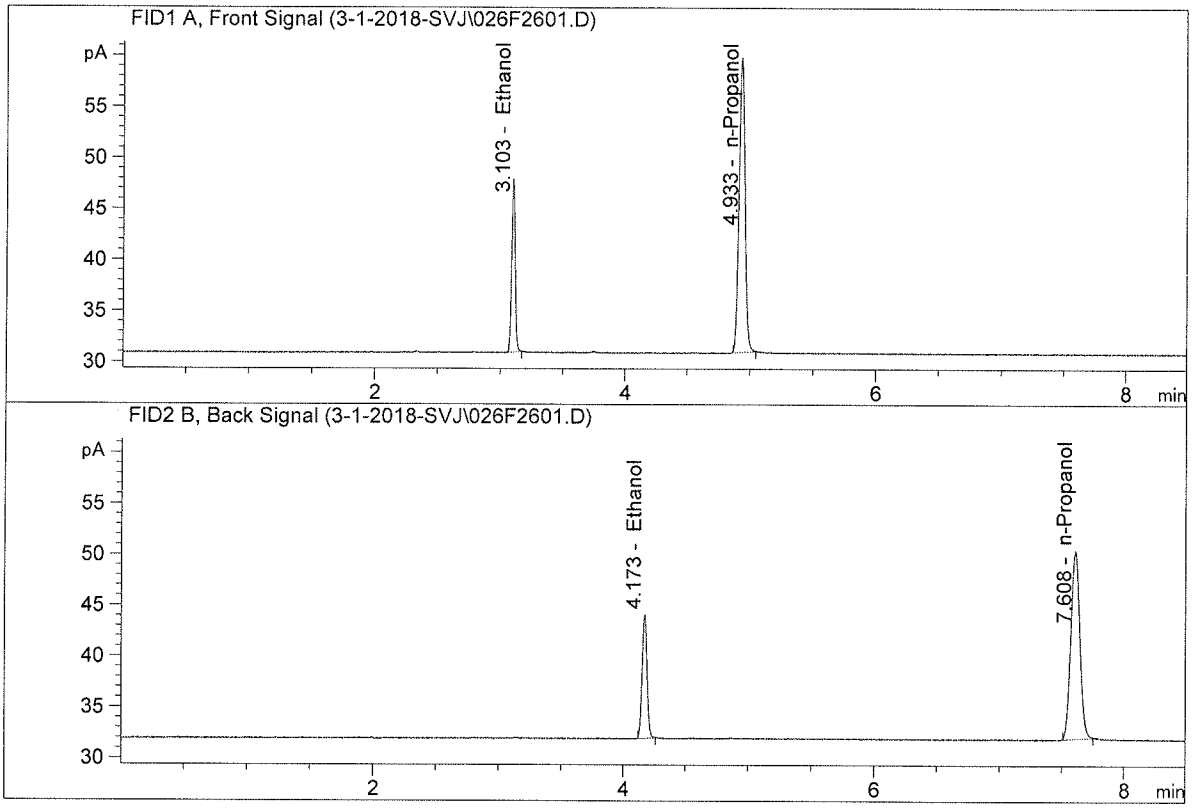
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

Reported Result
0.194

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

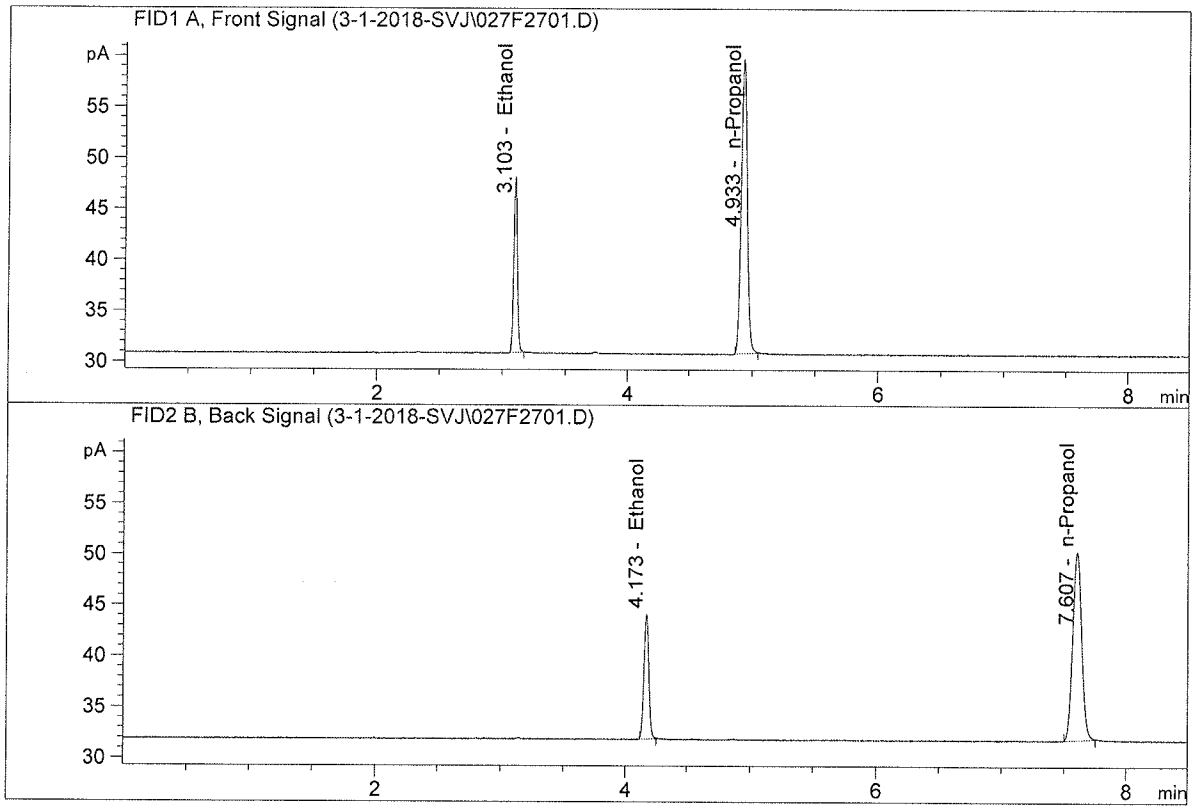
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.35834	0.1932	g/100cc
2.	Ethanol	Column 2:	33.42629	0.1938	g/100cc
3.	n-Propanol	Column 1:	94.58058	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.20125	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.82497	0.1952	g/100cc
2.	Ethanol	Column 2:	33.71319	0.1944	g/100cc
3.	n-Propanol	Column 1:	94.92463	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.73439	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 01 Mar 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0781	0.0781	0.0000	0.0781	0.0772	
(g/100cc)	0.0765	0.0763	0.0002	0.0764		

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**

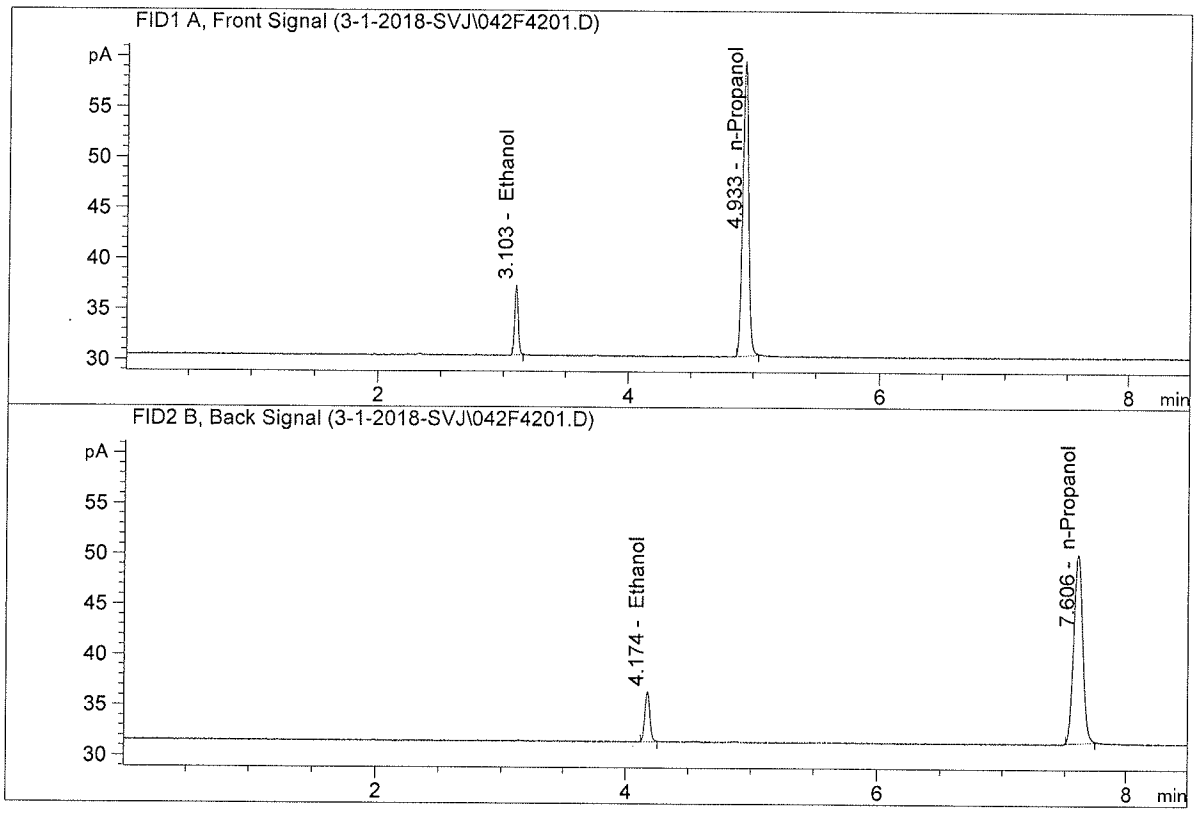
Reported Result

0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

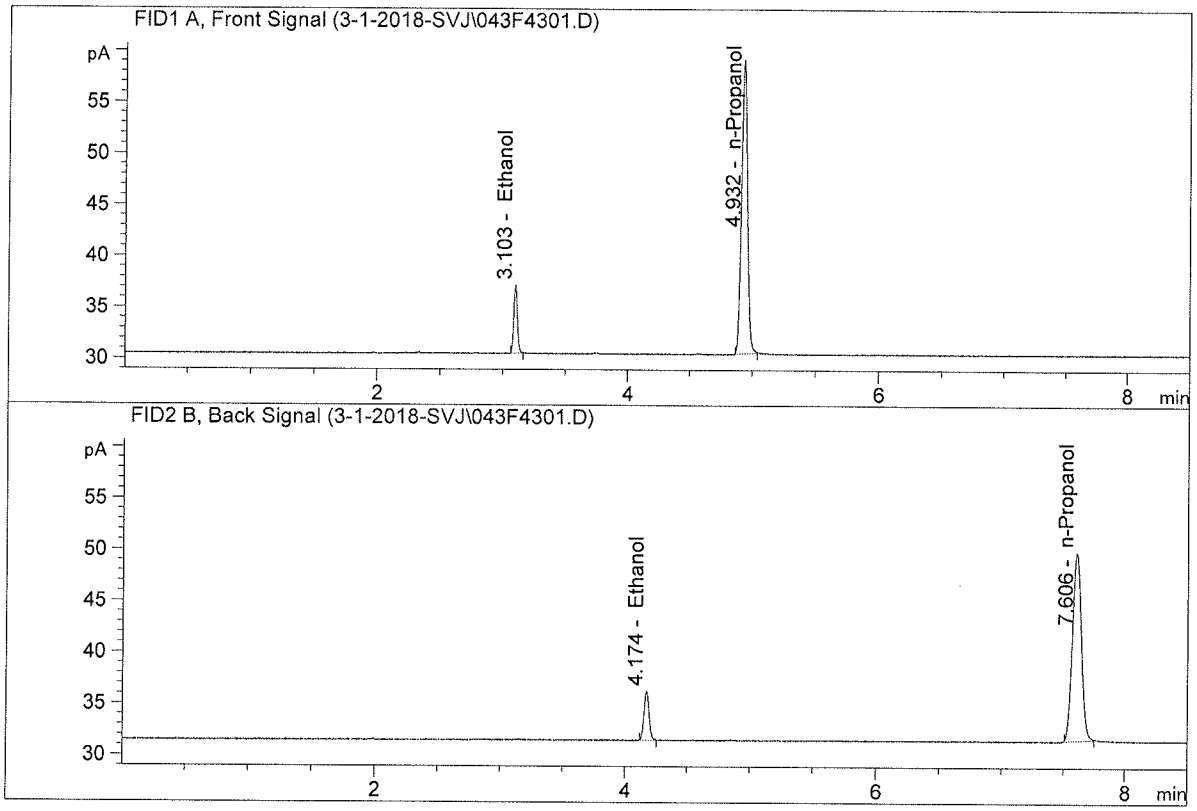
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.66417	0.0781	g/100cc
2.	Ethanol	Column 2:	13.66623	0.0781	g/100cc
3.	n-Propanol	Column 1:	95.84441	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.60833	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

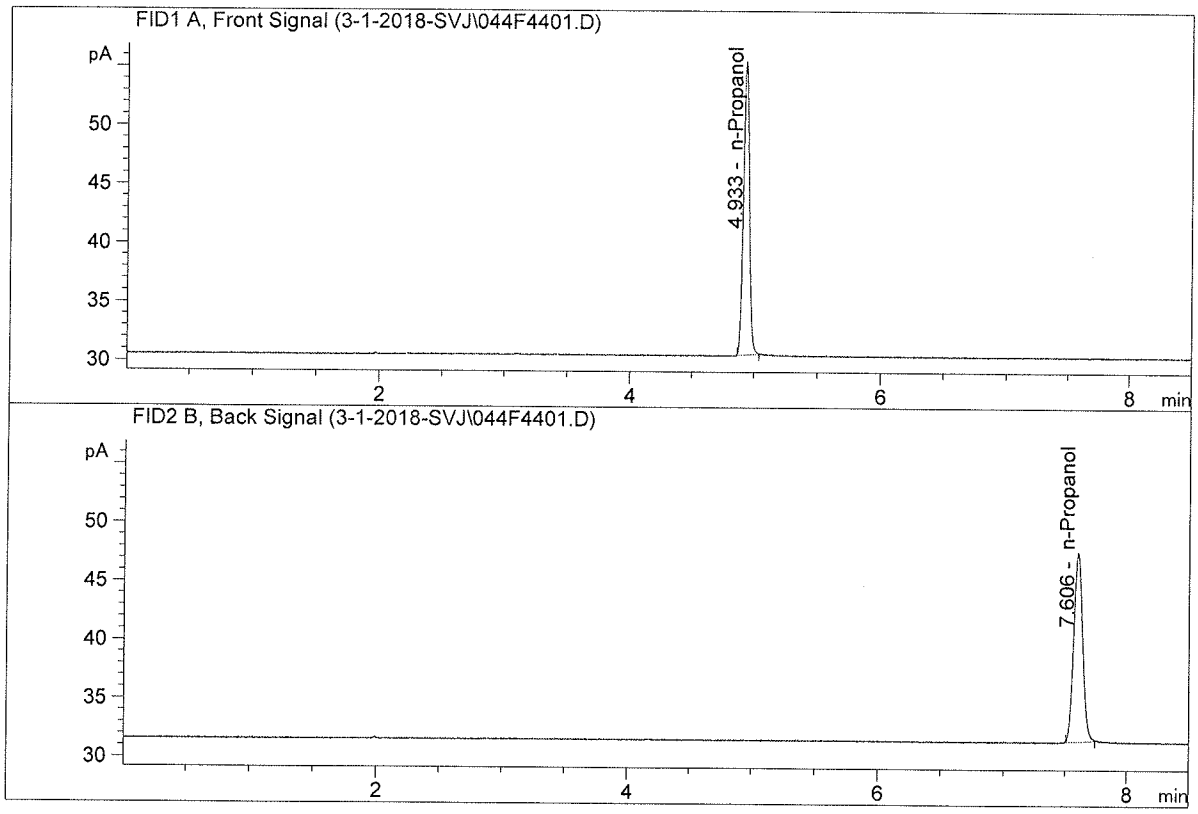
Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.13598	0.0765	g/100cc
2.	Ethanol	Column 2:	13.13797	0.0763	g/100cc
3.	n-Propanol	Column 1:	94.08032	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.99154	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

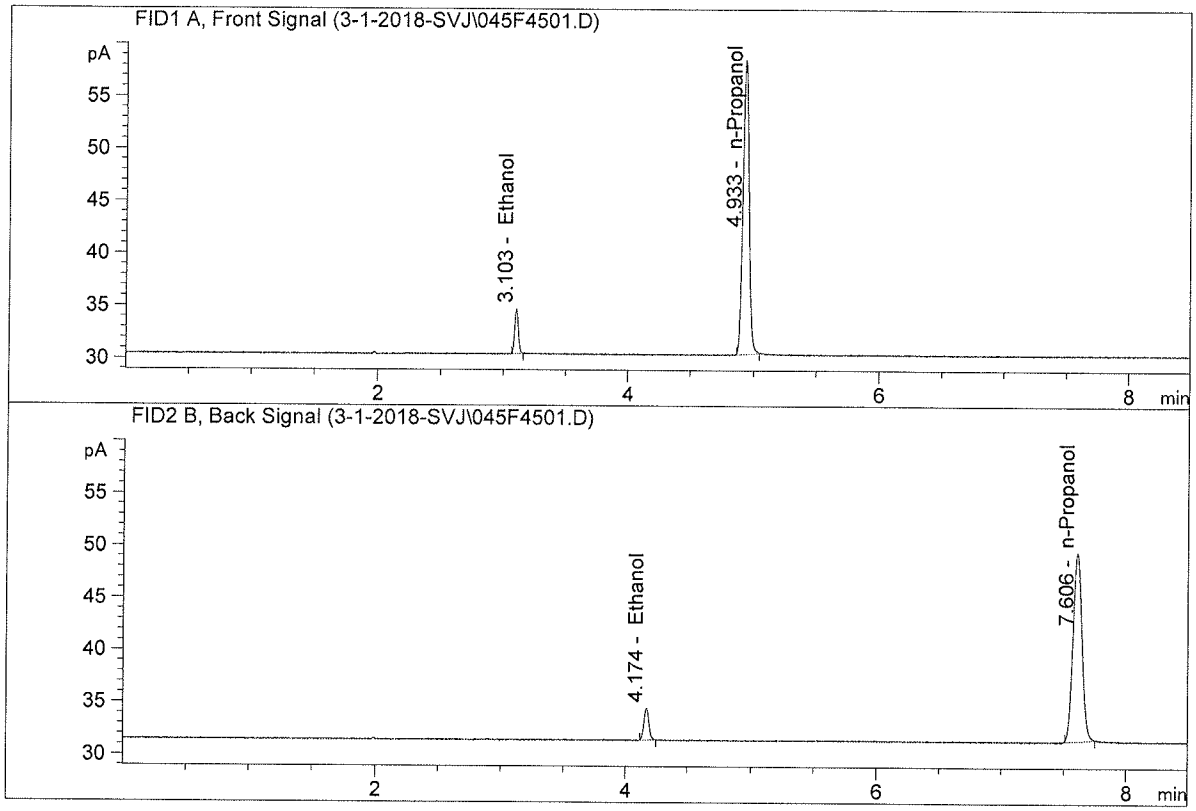
Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 1, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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:	82.27081	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.29644	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

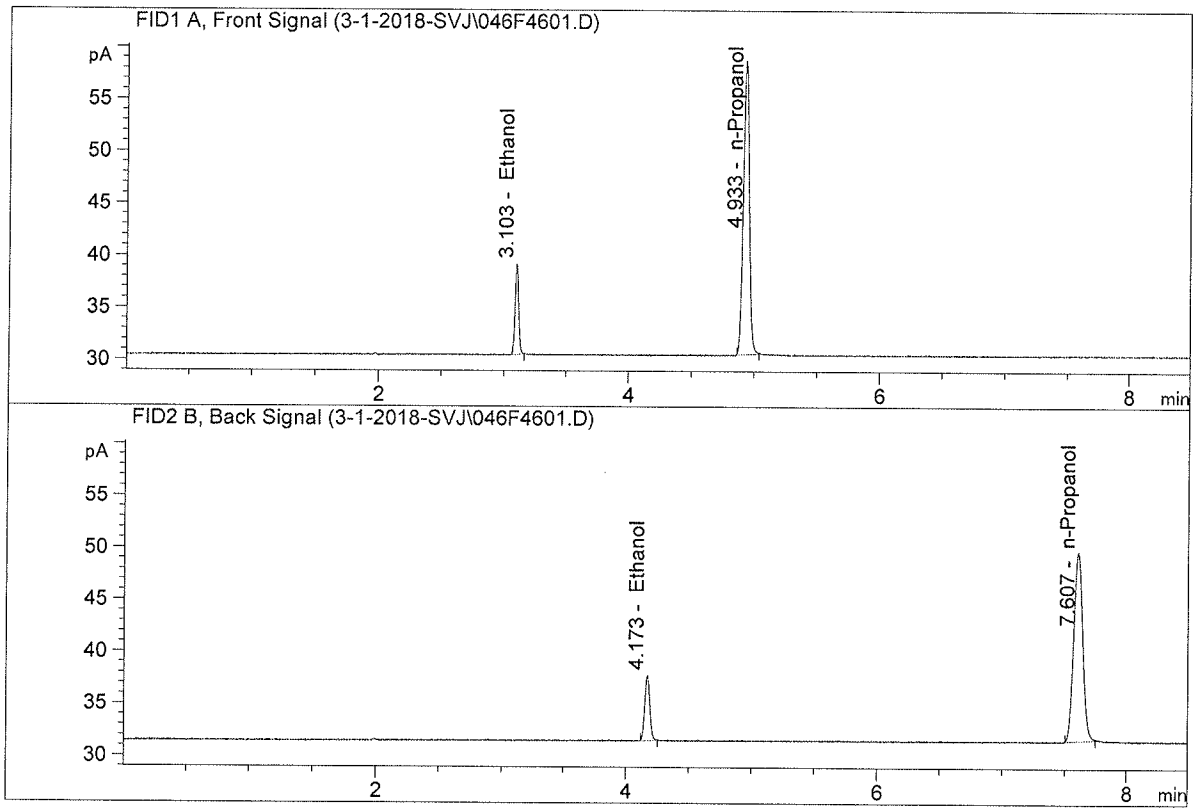
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.45833	0.0502	g/100cc
2.	Ethanol	Column 2:	8.51208	0.0503	g/100cc
3.	n-Propanol	Column 1:	92.38179	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.39258	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

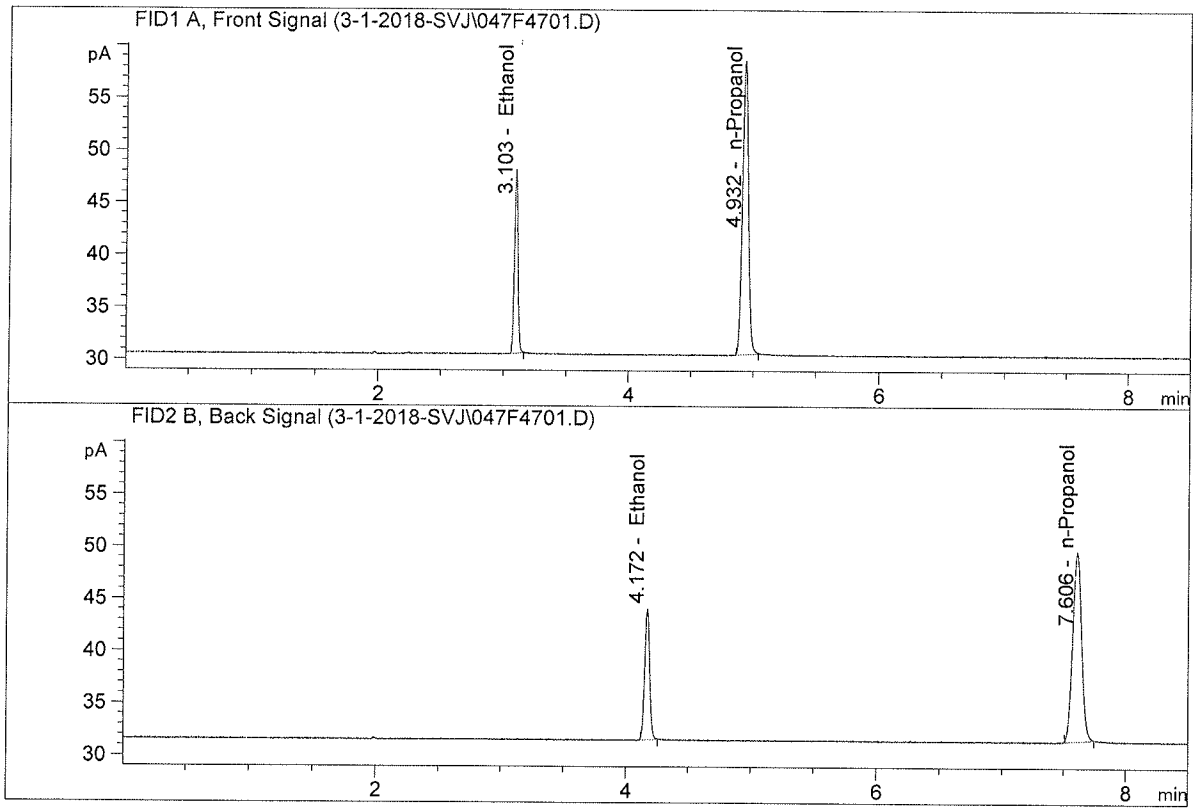
Sample Name : 0.10
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.14260	0.1016	g/100cc
2.	Ethanol	Column 2:	17.12371	0.1012	g/100cc
3.	n-Propanol	Column 1:	92.44711	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.39506	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

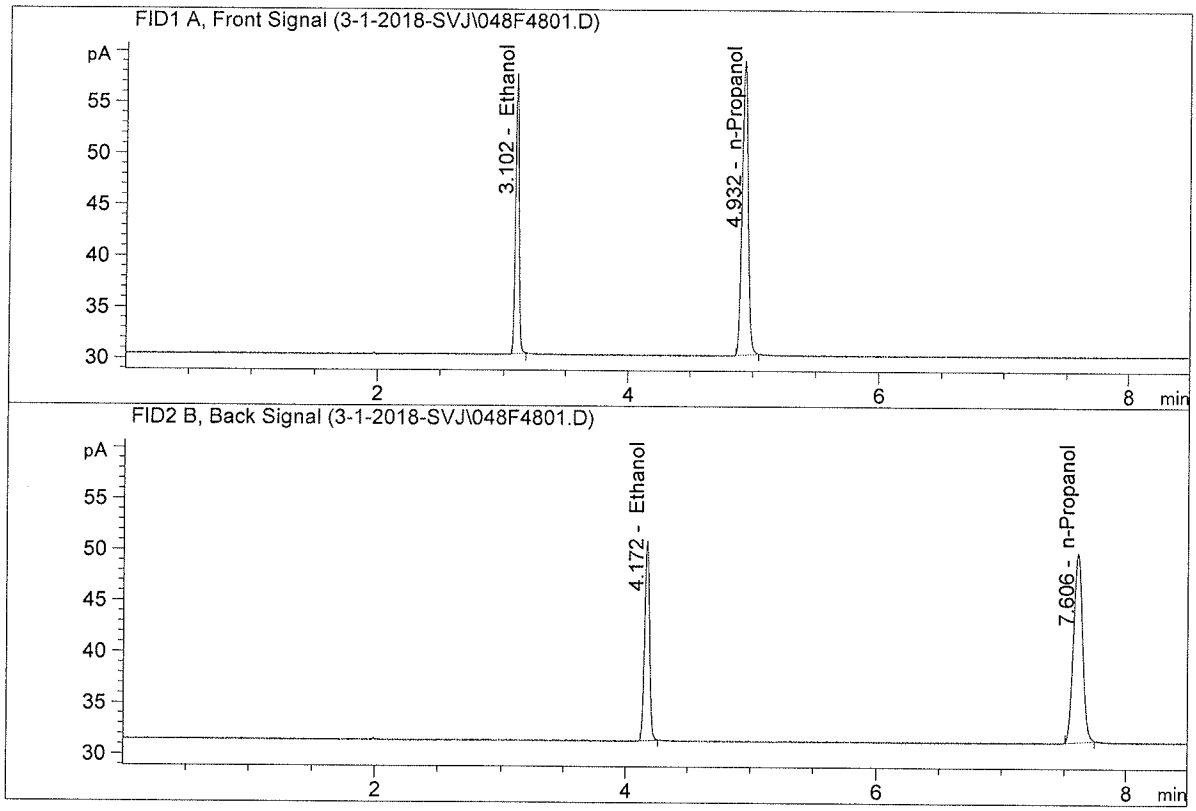
Sample Name : 0.20
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.44627	0.2044	g/100cc
2.	Ethanol	Column 2:	34.57457	0.2052	g/100cc
3.	n-Propanol	Column 1:	92.35235	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.04478	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

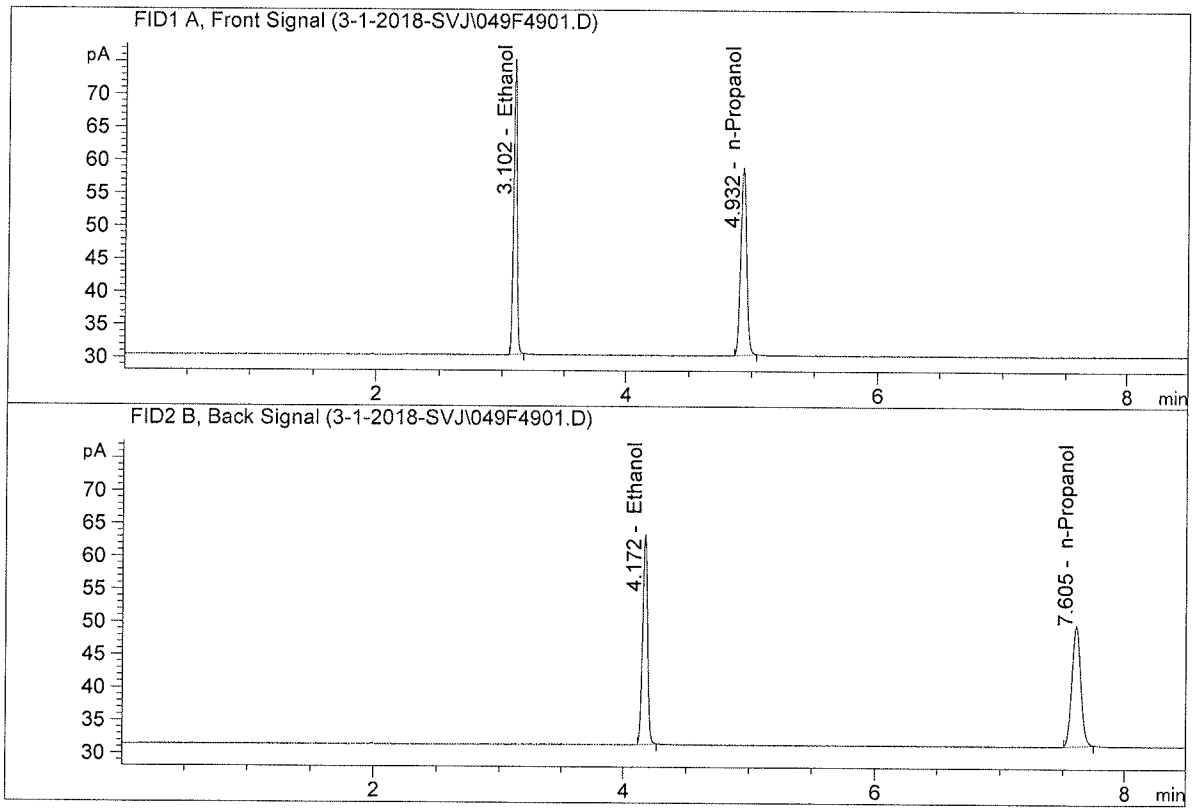
Sample Name : 0.30
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.69624	0.3109	g/100cc
2.	Ethanol	Column 2:	53.79546	0.3122	g/100cc
3.	n-Propanol	Column 1:	94.62744	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.10189	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

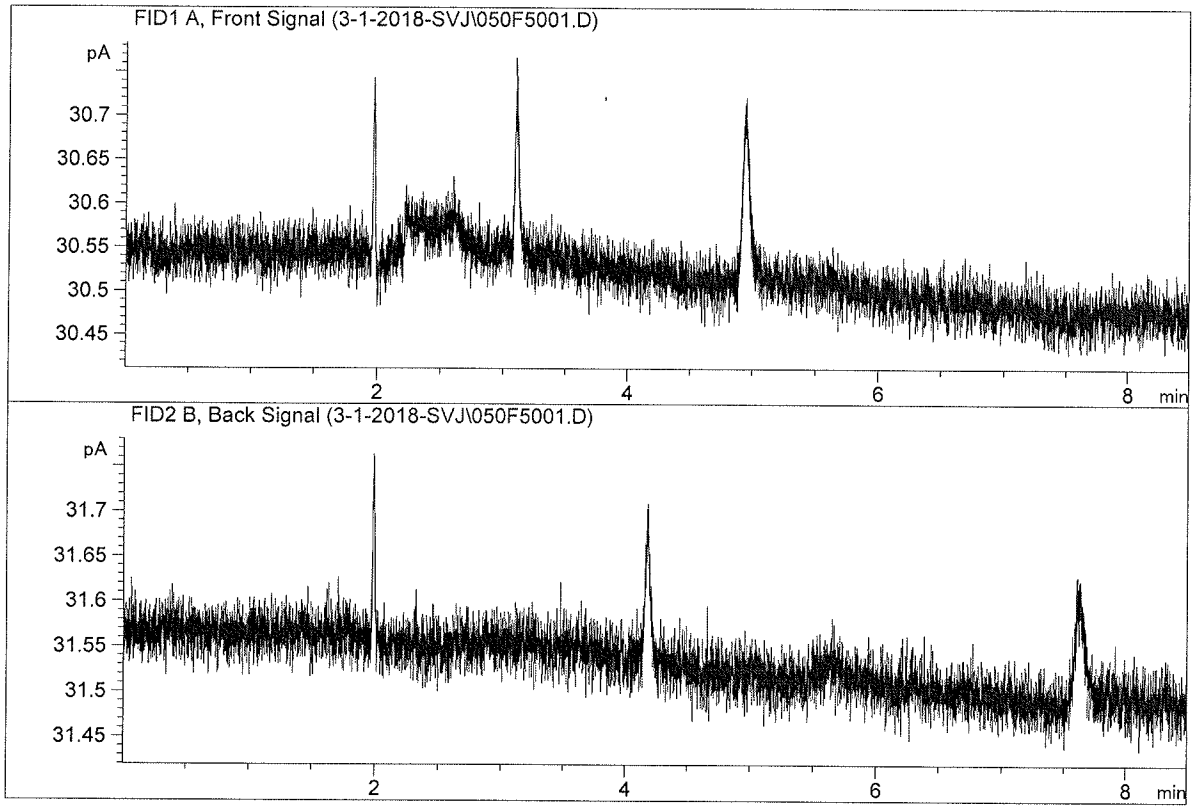
Sample Name : 0.50
Laboratory : Coeur d' Alene
Injection Date : Mar 1, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.48557	0.5121	g/100cc
2.	Ethanol	Column 2:	87.64078	0.5133	g/100cc
3.	n-Propanol	Column 1:	93.60513	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.26424	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Mar 1, 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