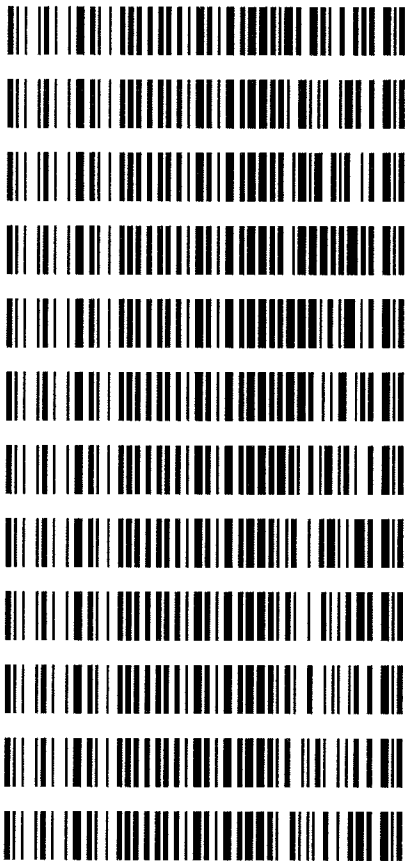
7/1/2019

Worklist: 3518

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2019-1111	1	154324	Alcohol Analysis
C2019-1136	1	154575	Alcohol Analysis
C2019-1138	2	154619	Alcohol Analysis
C2019-1139	1	154620	Alcohol Analysis
C2019-1140	1	154871	Alcohol Analysis
C2019-1141	1	154872	Alcohol Analysis
C2019-1174	1	155222	Alcohol Analysis
C2019-1189	1	155573	Alcohol Analysis
C2019-1218	1	156035	Alcohol Analysis
C2019-1219	1	156042	Alcohol Analysis
C2019-1220	1	156116	Alcohol Analysis
C2019-1221	1	156144	Alcohol Analysis



REVIEWED
By Jeremy Johnston at 7:01 am, Jul 03, 2019

MM

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): 07-01-2019**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0783 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1957 g/100cc
					0.1962 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN-06041502		OK
Curve Fit:	**Column 1**	0.99996	**Column2**		0.99996

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0492	0.0489	0.0003	0.049
100	0.100	0.090 - 0.110	0.0990	0.0984	0.0006	0.0987
200	0.200	0.180 - 0.220	0.1972	0.1962	0.001	0.1967
300	0.300	0.270 - 0.330	0.3042	0.3033	0.0009	0.3037
500	0.500	0.450 - 0.550	0.4989	0.5000	0.0011	0.4994

Aqueous Controls

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

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.07.2019_11.20.25\7-1-19cal.S
Data directory path: C:\Chem32\1\Data\7-1-19calSVJ
Logbook: C:\Chem32\1\Data\7-1-19calSVJ\7-1-19cal.LOG
Sequence start: 7/1/2019 11:34:08 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 : Monday, July 01, 2019 1:10:45 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

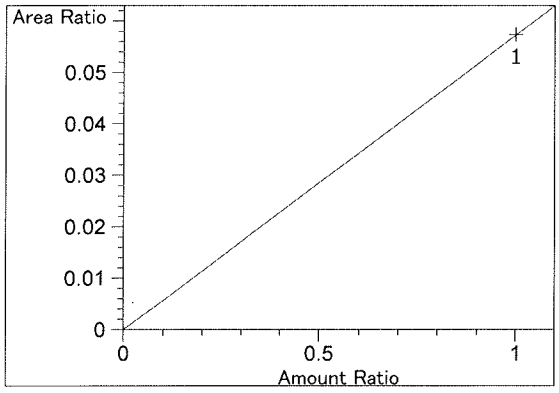
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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
3.107	1	1	5.00000e-2	8.88020	5.63050e-3	No	No	1	Ethanol
		2	1.00000e-1	18.21957	5.48860e-3				
		3	2.00000e-1	35.71378	5.60008e-3				
		4	3.00000e-1	55.72780	5.38331e-3				
		5	5.00000e-1	90.57432	5.52033e-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
4.178	2	1	5.00000e-2	8.89215	5.62293e-3	No	No	2	Ethanol
		2	1.00000e-1	18.22833	5.48597e-3				
		3	2.00000e-1	35.71154	5.60043e-3				
		4	3.00000e-1	55.89278	5.36742e-3				
		5	5.00000e-1	90.70636	5.51229e-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
4.940	1	1	1.00000	87.47198	1.14322e-2	No	Yes	1	n-Propanol
		2	1.00000	89.17600	1.12138e-2				
		3	1.00000	87.78249	1.13918e-2				
		4	1.00000	88.78128	1.12636e-2				
		5	1.00000	88.00028	1.13636e-2				
7.619	2	1	1.00000	87.22714	1.14643e-2	No	Yes	2	n-Propanol
		2	1.00000	88.77745	1.12641e-2				
		3	1.00000	87.26111	1.14599e-2				
		4	1.00000	88.33372	1.13207e-2				
		5	1.00000	86.96790	1.14985e-2				

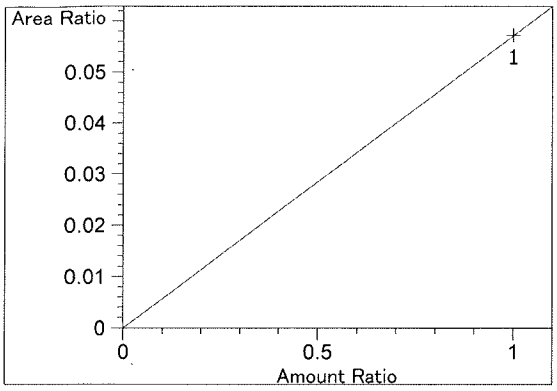
Peak Sum Table

No Entries in table

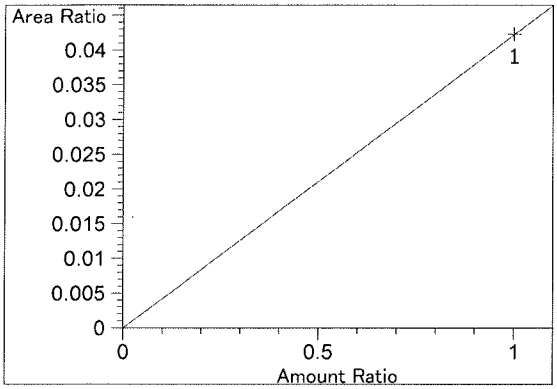
Calibration Curves



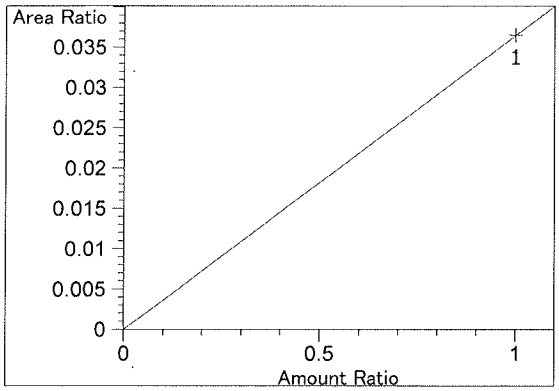
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.73216e-2
x: Amount Ratio
y: Area Ratio



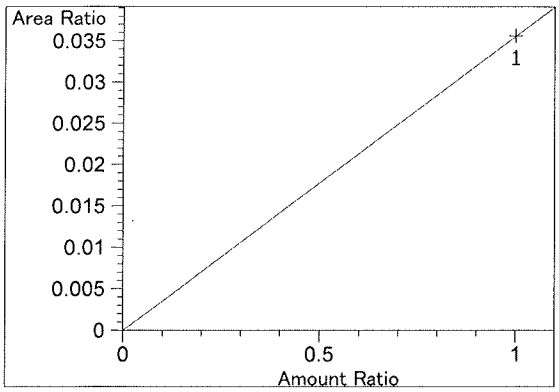
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.71612e-2
x: Amount Ratio
y: Area Ratio



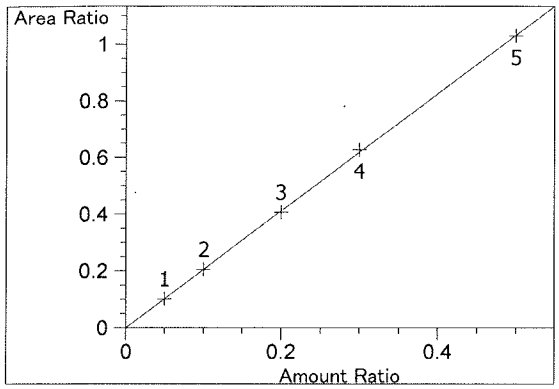
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.22615e-2
x: Amount Ratio
y: Area Ratio



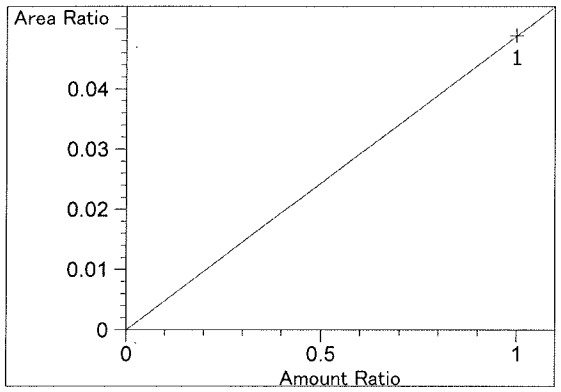
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.65044e-2
x: Amount Ratio
y: Area Ratio



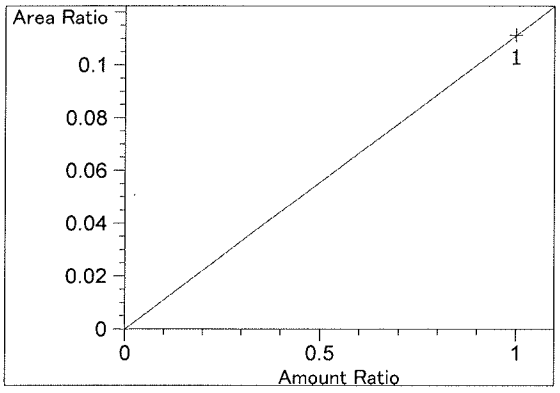
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.56053e-2
x: Amount Ratio
y: Area Ratio



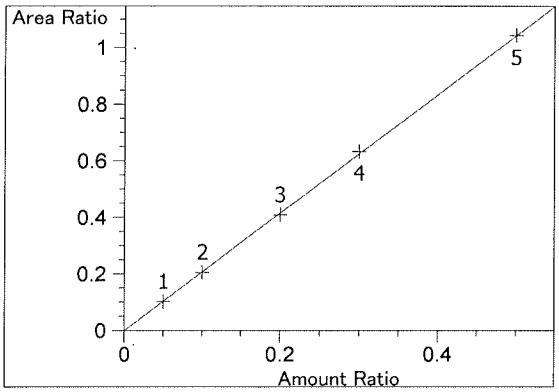
Ethanol at exp. RT: 3.107
FID1 A, Front Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00553
Formula: y = mx
m: 2.06321
x: Amount Ratio
y: Area Ratio



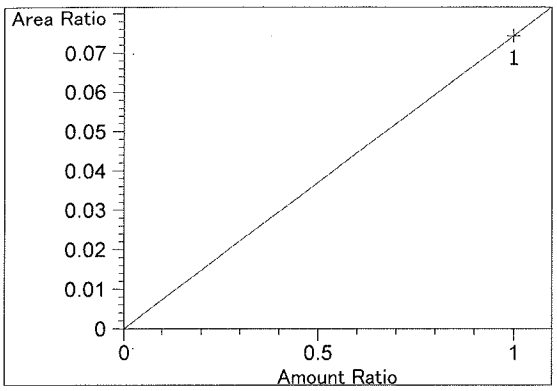
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.88452e-2
x: Amount Ratio
y: Area Ratio



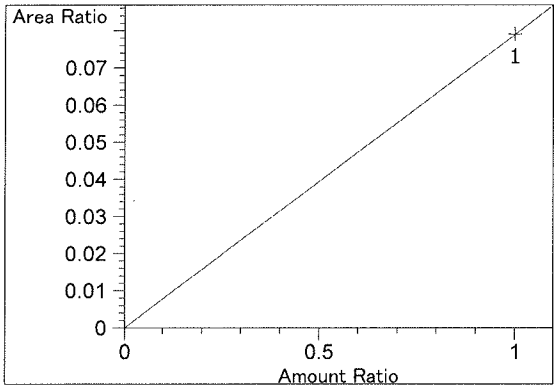
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.11242e-1
x: Amount Ratio
y: Area Ratio



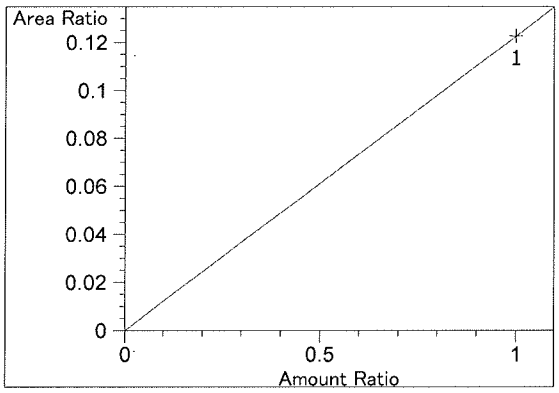
Ethanol at exp. RT: 4.178
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00565
Formula: y = mx
m: 2.08611
x: Amount Ratio
y: Area Ratio



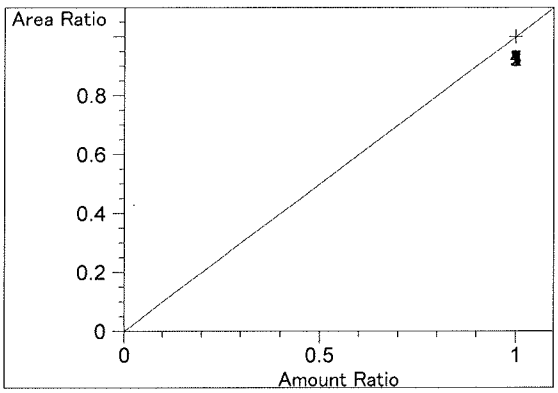
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.43027e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.90237e-2
x: Amount Ratio
y: Area Ratio

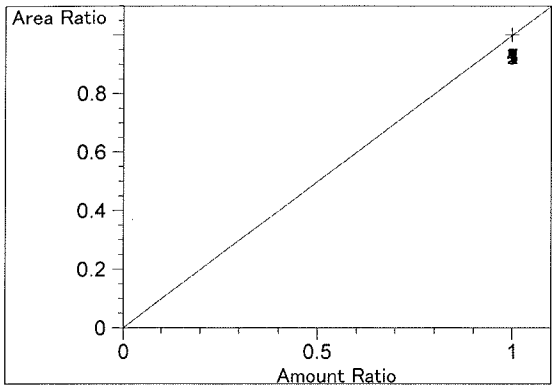


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.22742e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.940
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

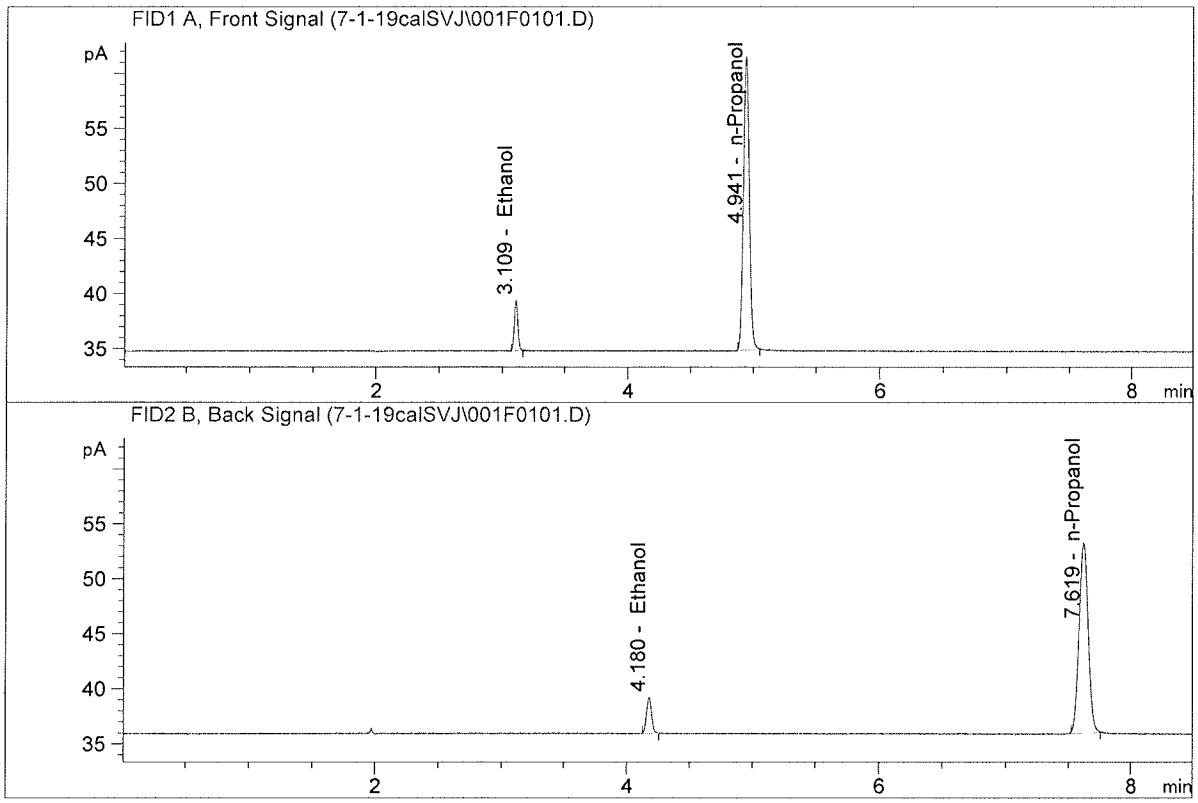


n-Propanol at exp. RT: 7.619
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

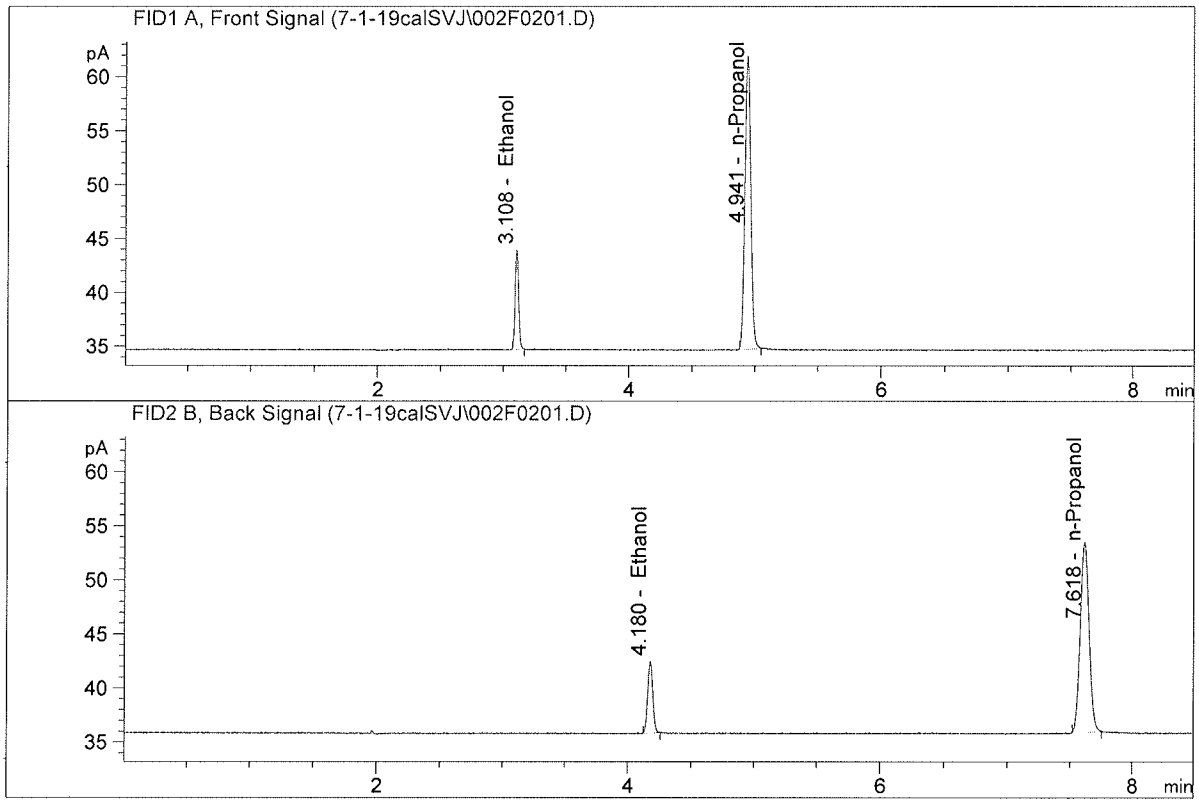
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.88020	0.0492	g/100cc
2.	Ethanol	Column 2:	8.89215	0.0489	g/100cc
3.	n-Propanol	Column 1:	87.47198	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.22714	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

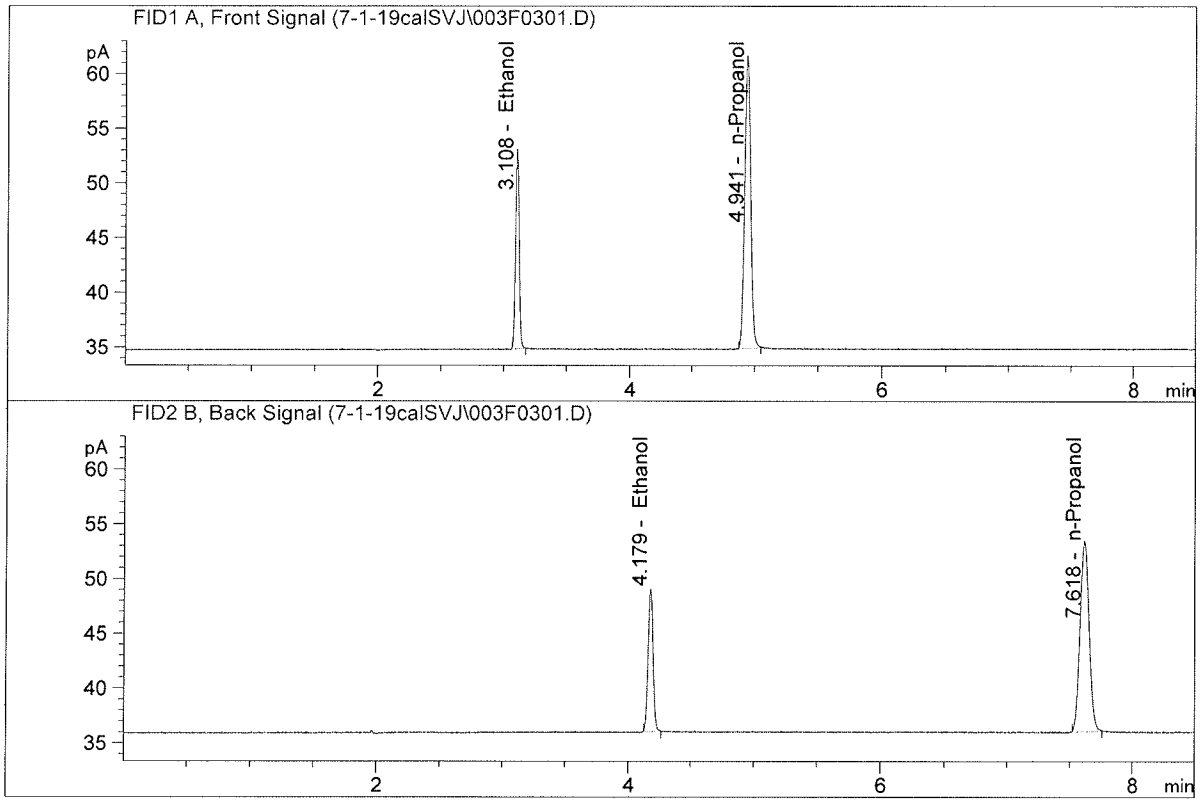


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.21957	0.0990	g/100cc
2.	Ethanol	Column 2:	18.22833	0.0984	g/100cc
3.	n-Propanol	Column 1:	89.17600	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.77745	1.0000	g/100cc

SNA

ISP Forensic Services Blood Alcohol Report

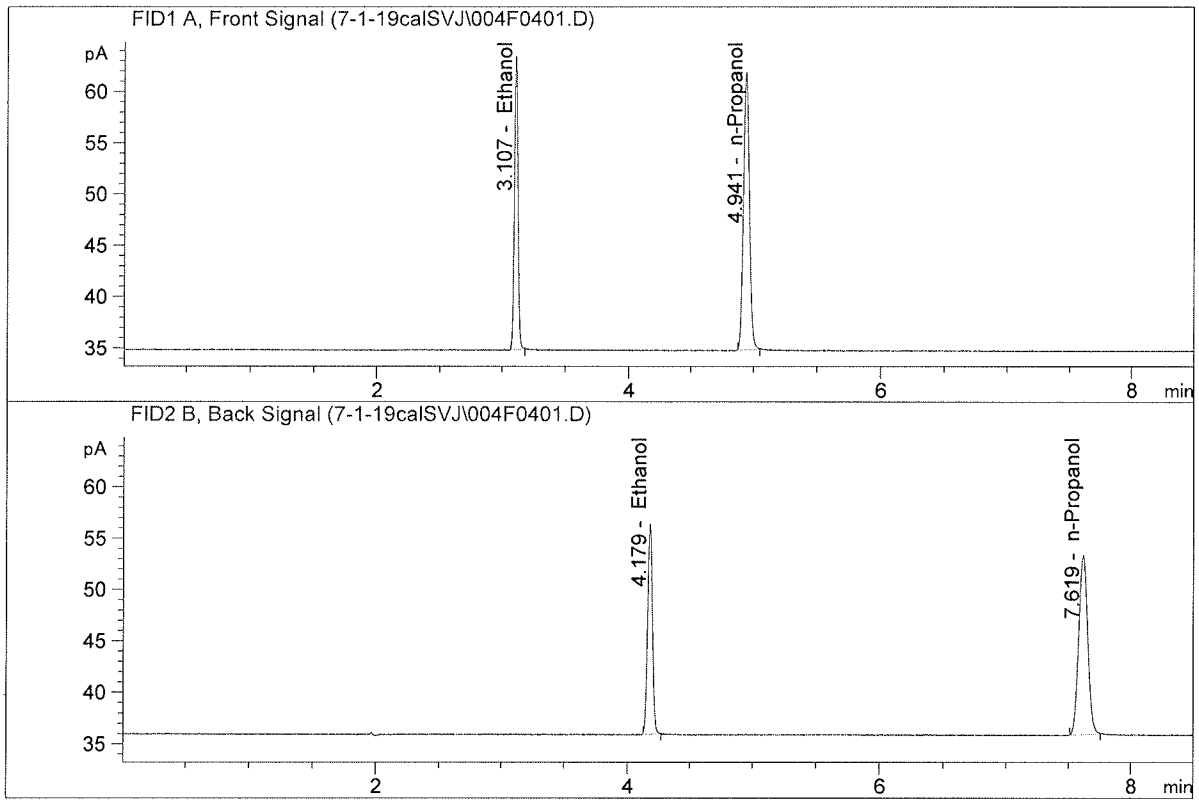
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.71378	0.1972	g/100cc
2.	Ethanol	Column 2:	35.71154	0.1962	g/100cc
3.	n-Propanol	Column 1:	87.78249	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.26111	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

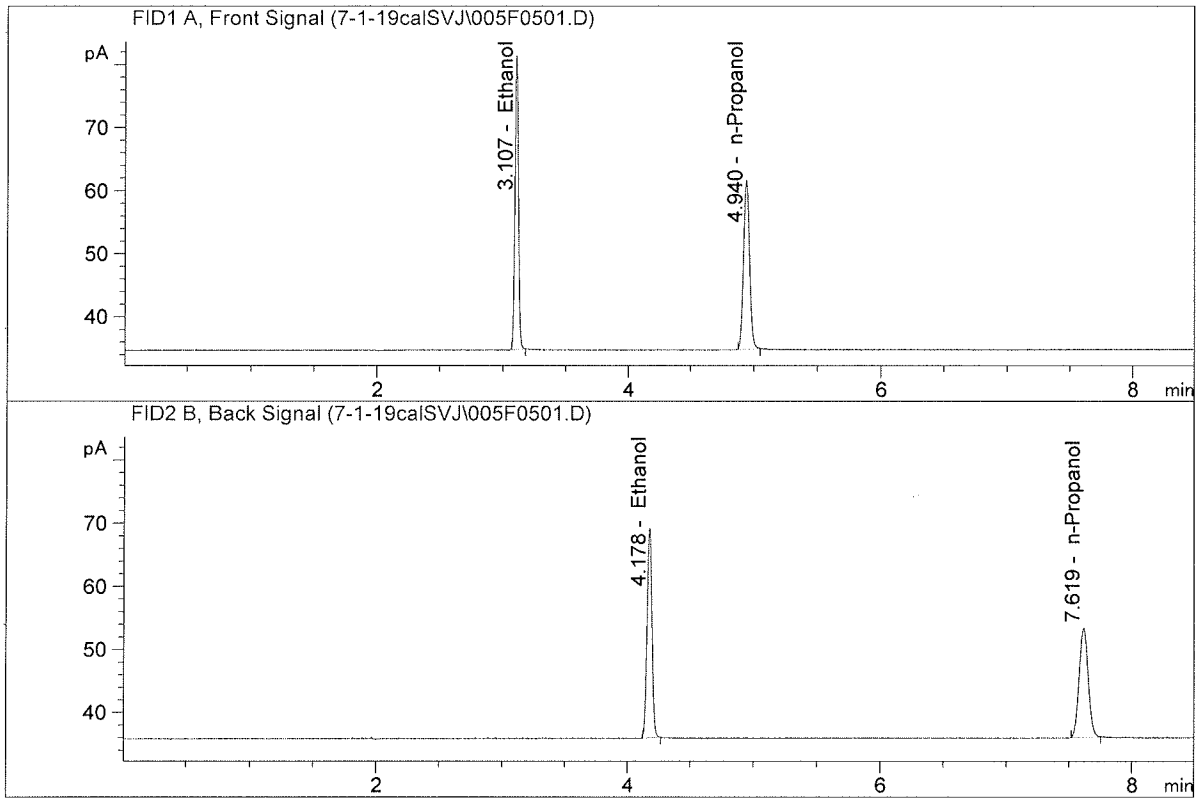
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.72780	0.3042	g/100cc
2.	Ethanol	Column 2:	55.89278	0.3033	g/100cc
3.	n-Propanol	Column 1:	88.78128	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.33372	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

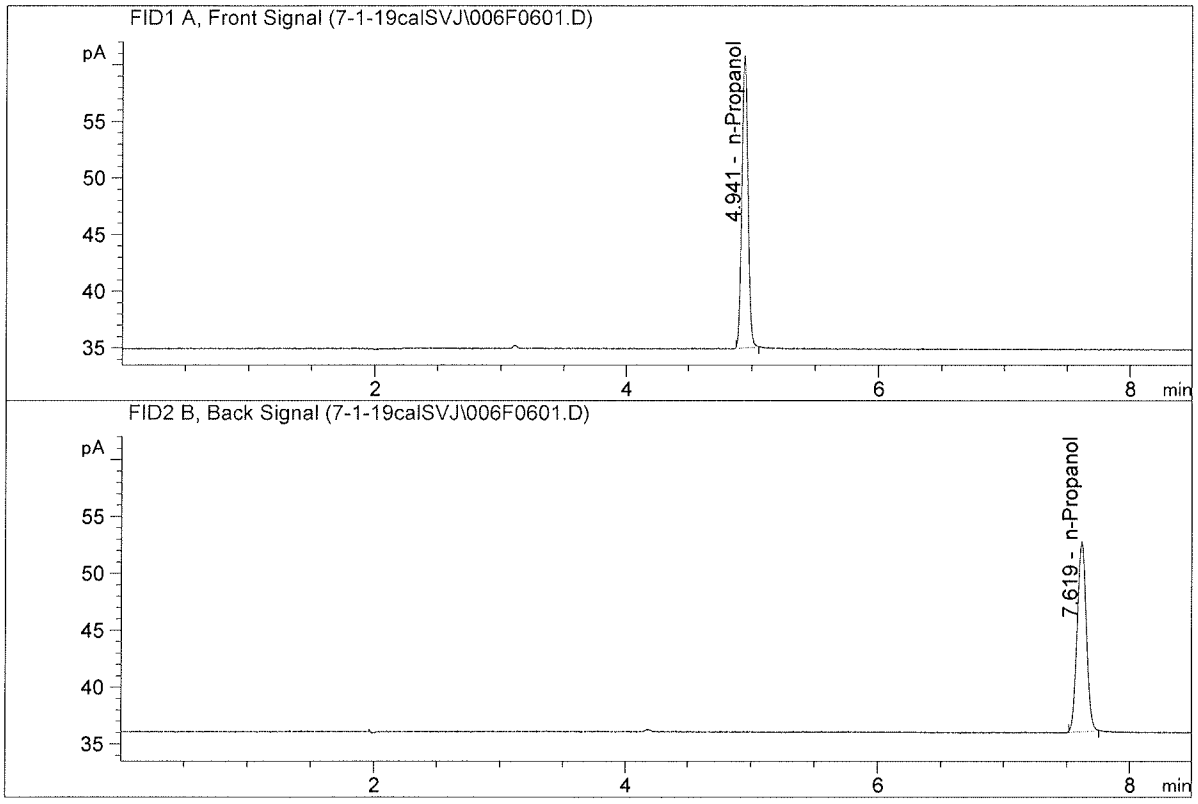
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.57432	0.4989	g/100cc
2.	Ethanol	Column 2:	90.70636	0.5000	g/100cc
3.	n-Propanol	Column 1:	88.00028	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.96790	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 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:	84.81055	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.23917	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_01.07.2019_01.27.10\7-1-2019.S

Sample Summary

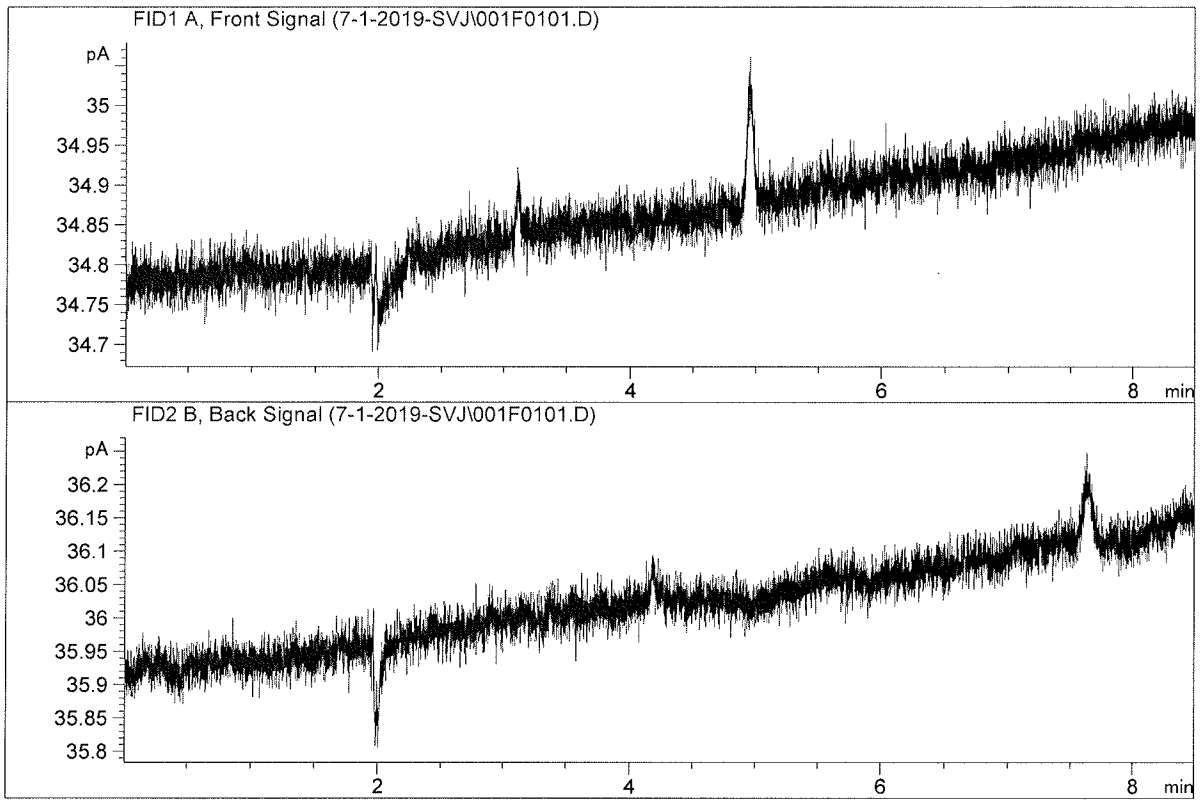
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.07.2019_01.27.10\7-1-2019.S
Data directory path: C:\Chem32\1\Data\7-1-2019-SVJ
Logbook: C:\Chem32\1\Data\7-1-2019-SVJ\7-1-2019.LOG
Sequence start: 7/1/2019 1:40:57 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	C2019-1111-1-A	-	1.0000	008F0801.D	2
9	9	1	C2019-1111-1-B	-	1.0000	009F0901.D	2
10	10	1	C2019-1136-1-A	-	1.0000	010F1001.D	2
11	11	1	C2019-1136-1-B	-	1.0000	011F1101.D	2
12	12	1	C2019-1138-2-A	-	1.0000	012F1201.D	6
13	13	1	C2019-1138-2-B	-	1.0000	013F1301.D	6
14	14	1	C2019-1139-1-A	-	1.0000	014F1401.D	4
15	15	1	C2019-1139-1-B	-	1.0000	015F1501.D	4
16	16	1	C2019-1140-1-A	-	1.0000	016F1601.D	4
17	17	1	C2019-1140-1-B	-	1.0000	017F1701.D	4
18	18	1	C2019-1141-1-A	-	1.0000	018F1801.D	4
19	19	1	C2019-1141-1-B	-	1.0000	019F1901.D	4
20	20	1	C2019-1174-1-A	-	1.0000	020F2001.D	2
21	21	1	C2019-1174-1-B	-	1.0000	021F2101.D	2
22	22	1	C2019-1189-1-A	-	1.0000	022F2201.D	5
23	23	1	C2019-1189-1-B	-	1.0000	023F2301.D	4
24	24	1	C2019-1218-1-A	-	1.0000	024F2401.D	2
25	25	1	C2019-1218-1-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	C2019-1219-1-A	-	1.0000	028F2801.D	4
29	29	1	C2019-1219-1-B	-	1.0000	029F2901.D	4
30	30	1	C2019-1220-1-A	-	1.0000	030F3001.D	2
31	31	1	C2019-1220-1-B	-	1.0000	031F3101.D	2
32	32	1	C2019-1221-1-A	-	1.0000	032F3201.D	2
33	33	1	C2019-1221-1-B	-	1.0000	033F3301.D	2
34	34	1	QC-2-A	-	1.0000	034F3401.D	4
35	35	1	QC-2-B	-	1.0000	035F3501.D	4
36	36	1	ISTD BLANK	-	1.0000	036F3601.D	2
37	37	1	water	-	1.0000	037F3701.D	0
38	38	1	0.05	-	1.0000	038F3801.D	4
39	39	1	0.100	-	1.0000	039F3901.D	4
40	40	1	0.200	-	1.0000	040F4001.D	4
41	41	1	0.300	-	1.0000	041F4101.D	4
42	42	1	.0500	-	1.0000	042F4201.D	4

ISP Forensic Services Blood Alcohol Report

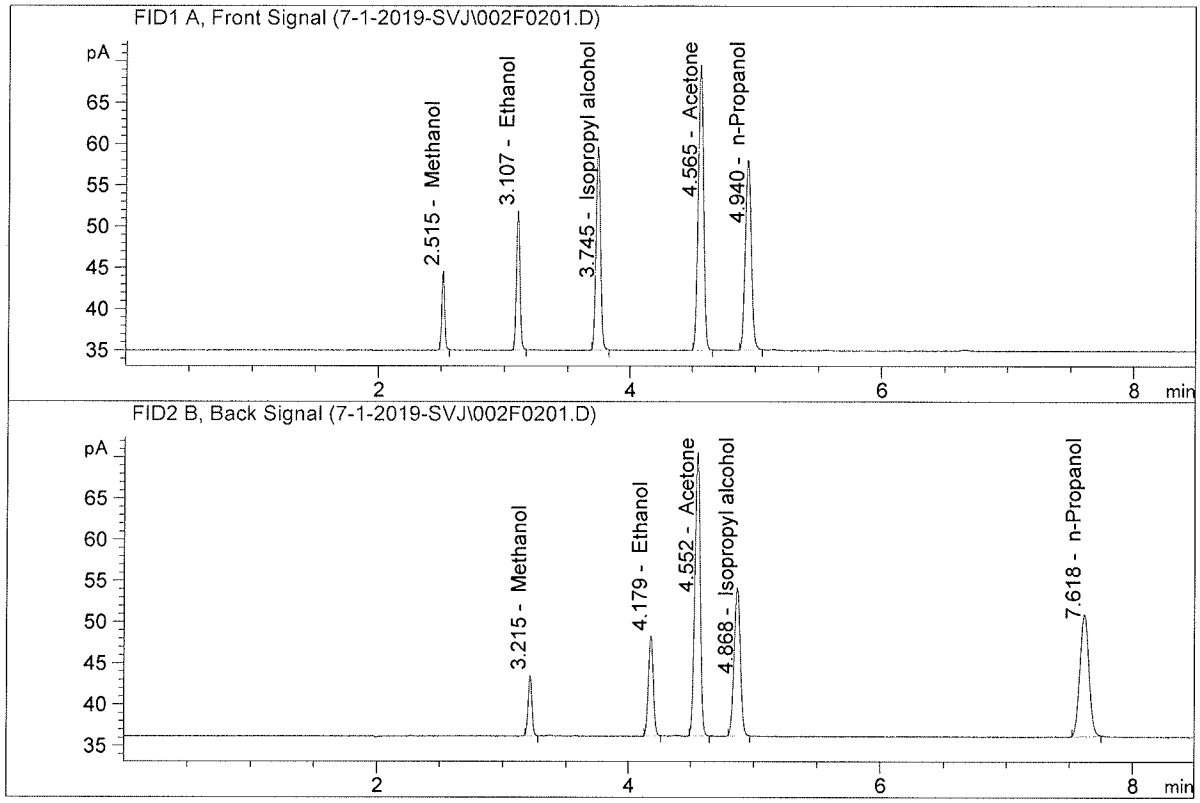
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

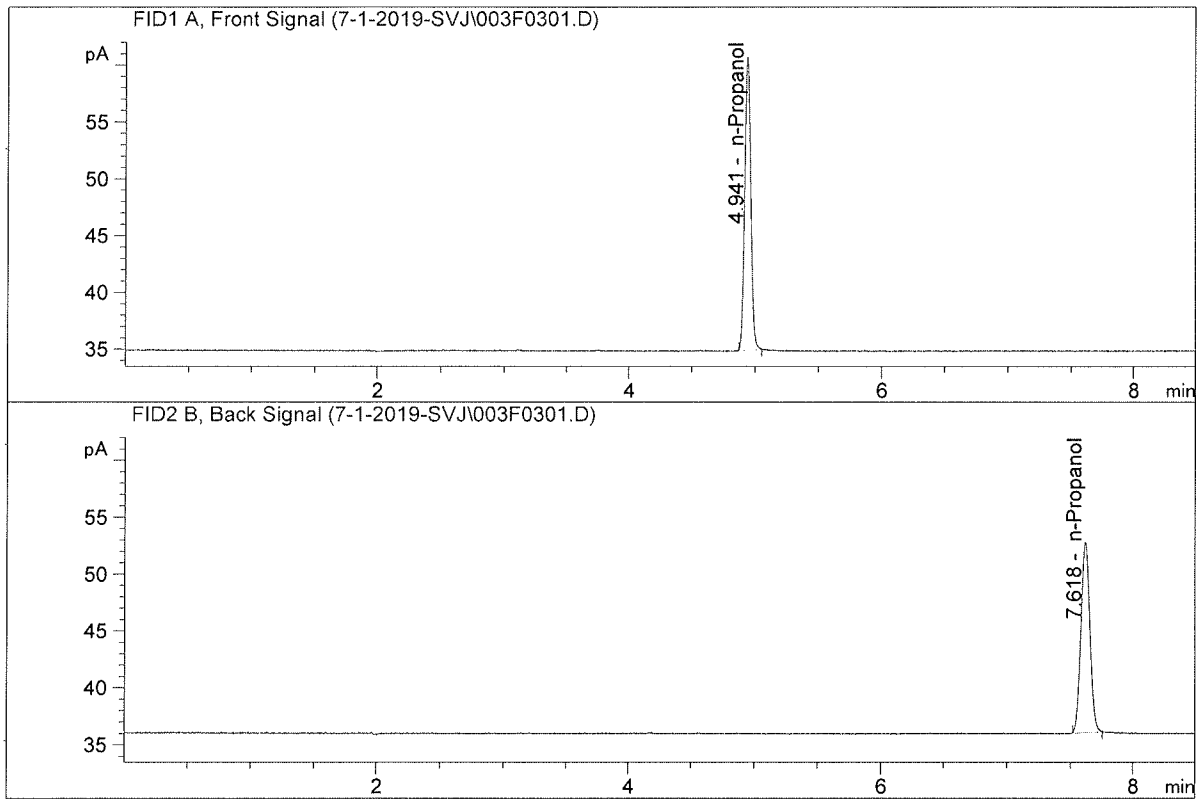
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.01899	0.2118	g/100cc
2.	Ethanol	Column 2:	33.01177	0.2119	g/100cc
3.	n-Propanol	Column 1:	75.55902	1.0000	g/100cc
4.	n-Propanol	Column 2:	74.68721	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 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:	84.74869	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.27954	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 01 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0782	0.0004	0.0784	0.0783	
(g/100cc)	0.0786	0.0781	0.0005	0.0783		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

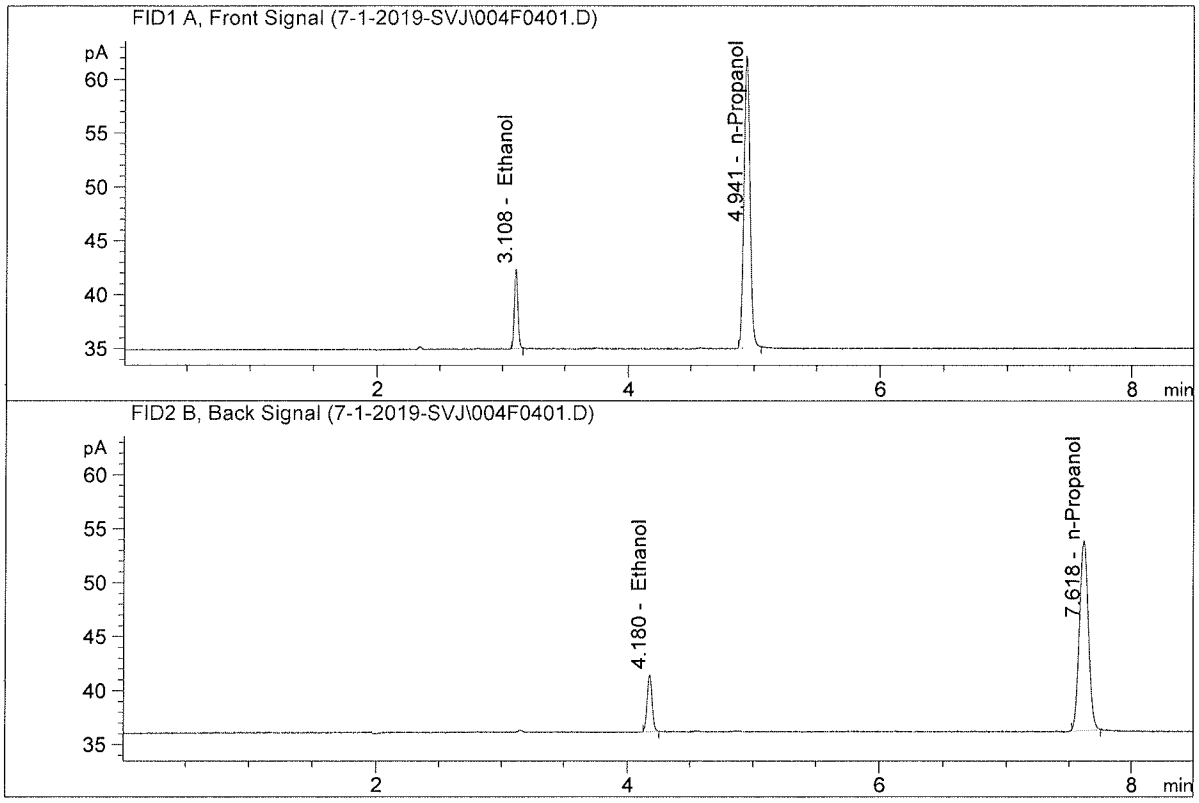
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

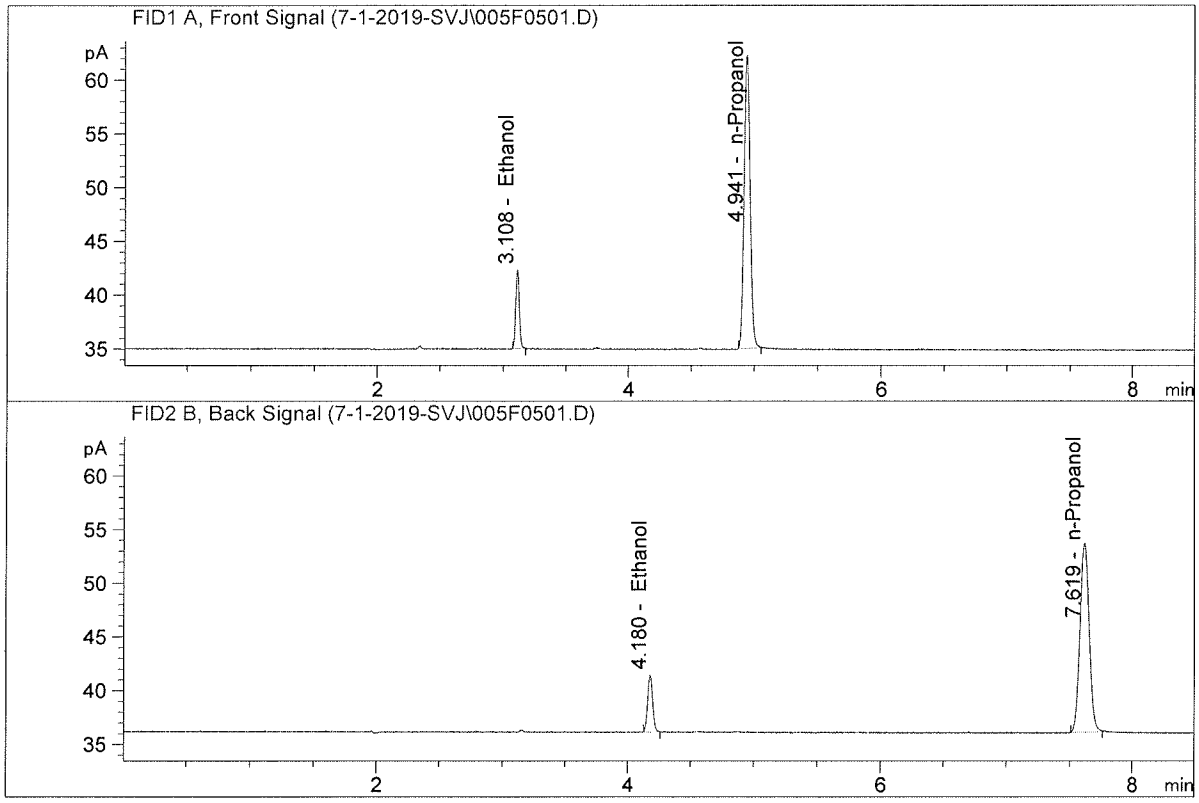
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.44385	0.0786	g/100cc
2.	Ethanol	Column 2:	14.43014	0.0782	g/100cc
3.	n-Propanol	Column 1:	89.11105	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.43082	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.50436	0.0786	g/100cc
2.	Ethanol	Column 2:	14.51711	0.0781	g/100cc
3.	n-Propanol	Column 1:	89.45711	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.05830	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 01 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0797	0.0004	0.0799	0.0794	
(g/100cc)	0.0788	0.0791	0.0003	0.0789		

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**

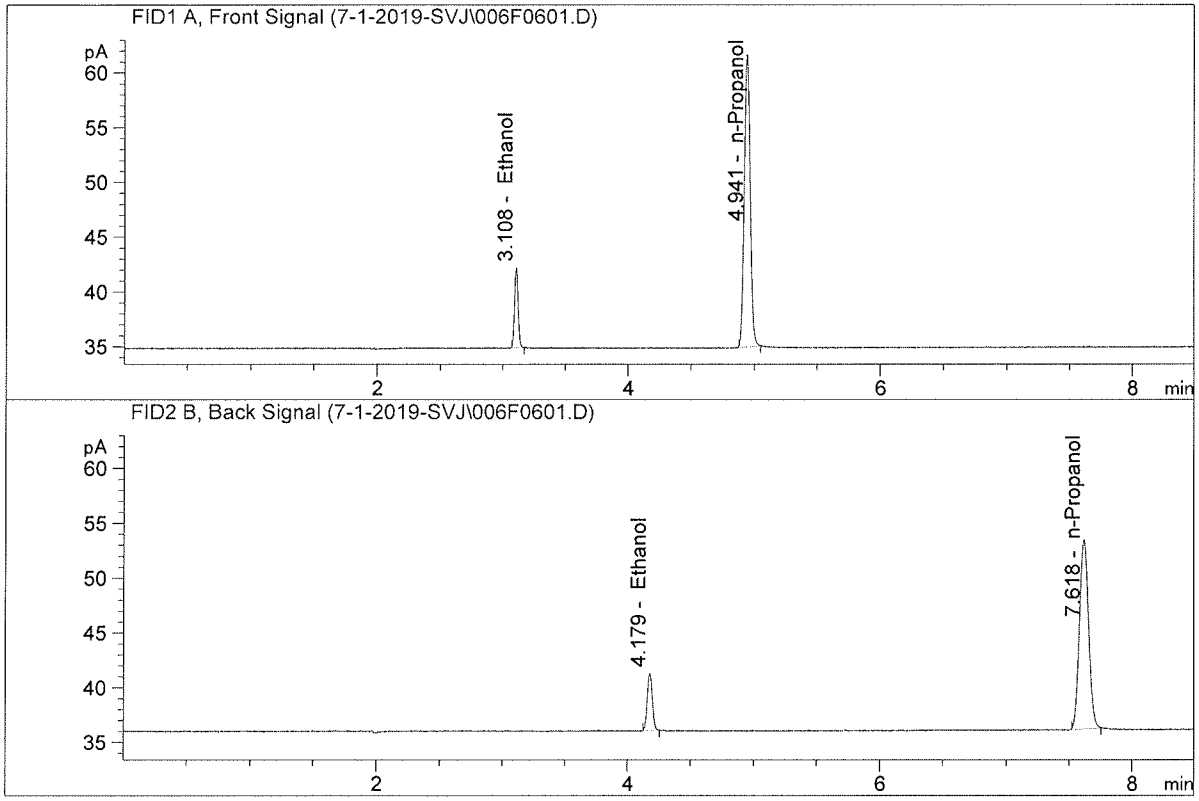
	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019

ISP Forensic Services Blood Alcohol Report

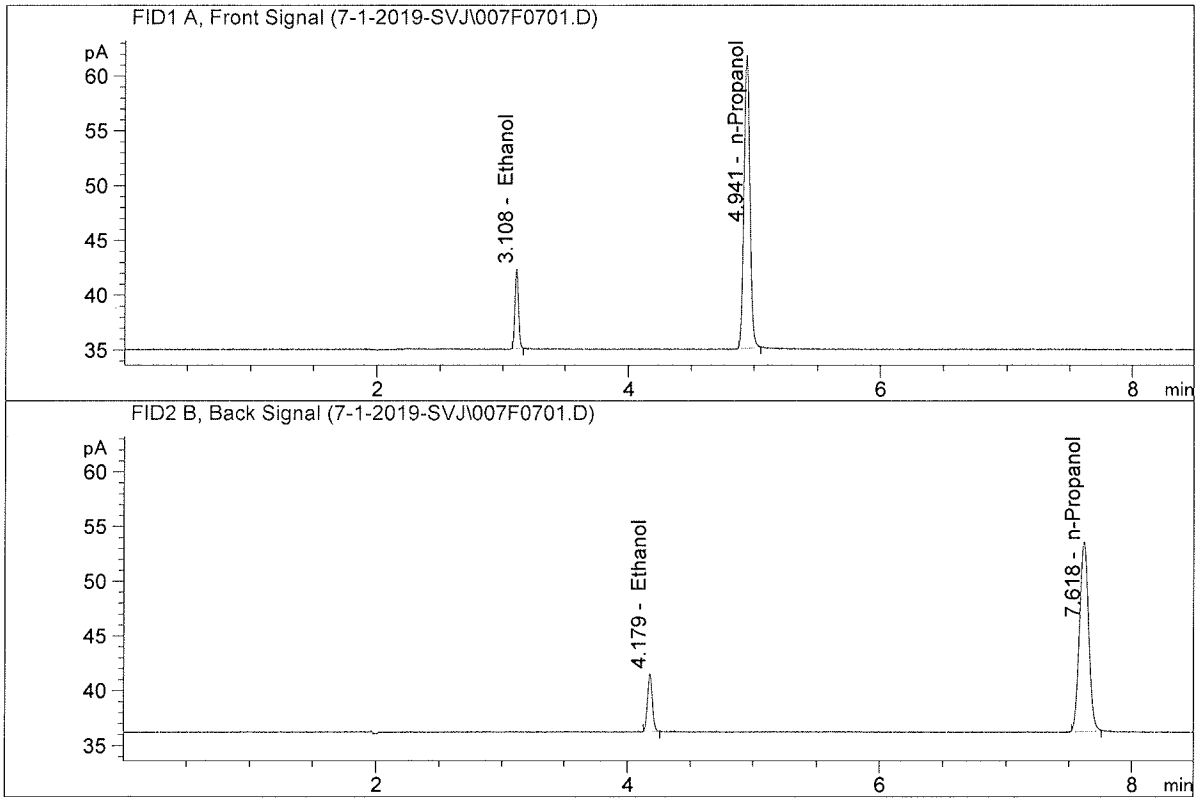
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.48600	0.0801	g/100cc
2.	Ethanol	Column 2:	14.45388	0.0797	g/100cc
3.	n-Propanol	Column 1:	87.70527	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.92535	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.29496	0.0788	g/100cc
2.	Ethanol	Column 2:	14.39235	0.0791	g/100cc
3.	n-Propanol	Column 1:	87.87991	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.22158	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 01 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1978	0.1973	0.0005	0.1975	0.1957	
(g/100cc)	0.1937	0.1942	0.0005	0.1939		

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%**

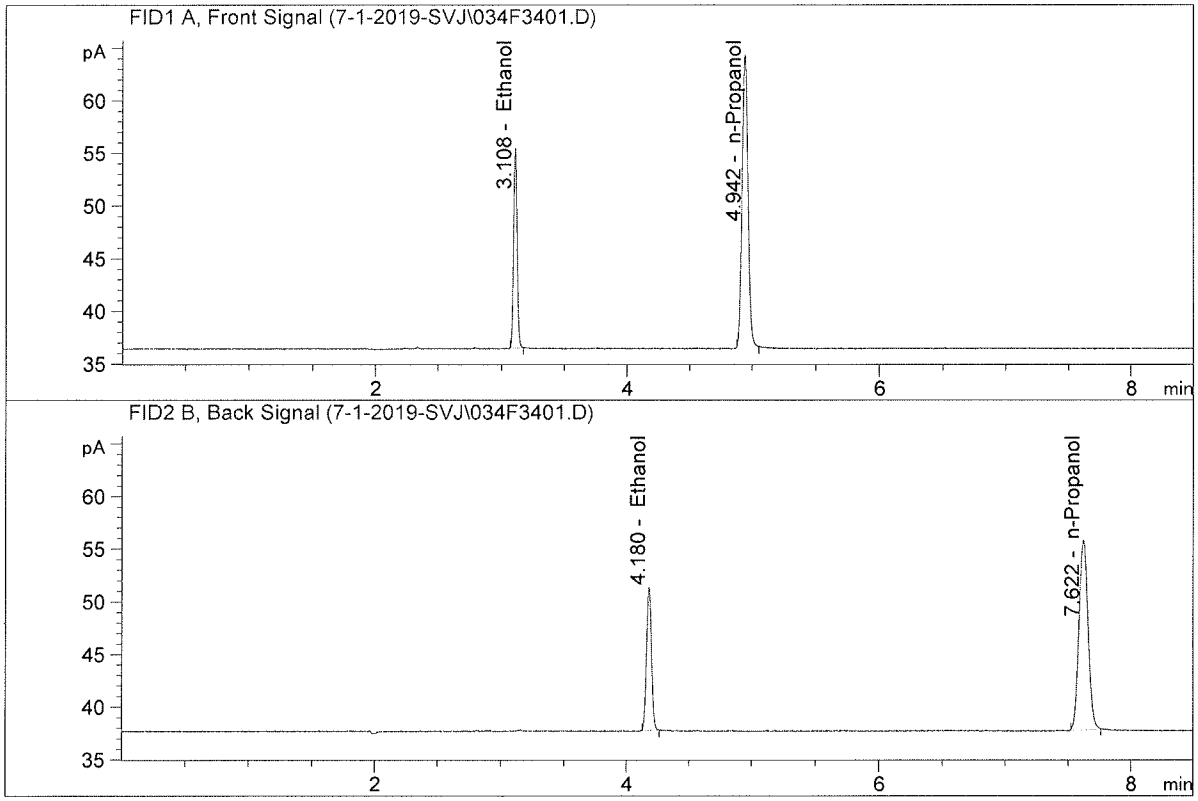
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	**0.185**	**0.205**	**0.010**

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

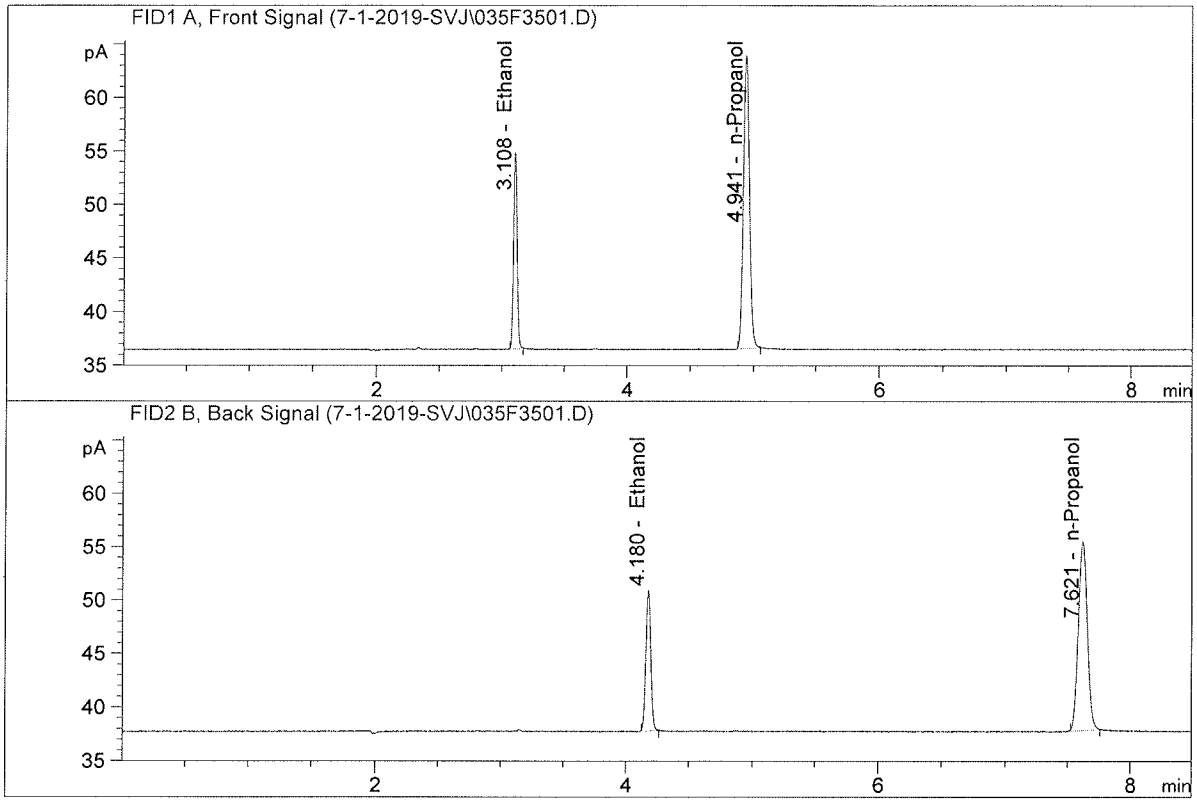
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.28437	0.1978	g/100cc
2.	Ethanol	Column 2:	37.33057	0.1973	g/100cc
3.	n-Propanol	Column 1:	91.34898	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.69522	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.98297	0.1937	g/100cc
2.	Ethanol	Column 2:	36.11516	0.1942	g/100cc
3.	n-Propanol	Column 1:	90.02116	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.16141	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 01 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1946	0.1946	0.0000	0.1946	0.1962	
(g/100cc)	0.1973	0.1984	0.0011	0.1978		

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
0.196	0.186	0.206	0.010

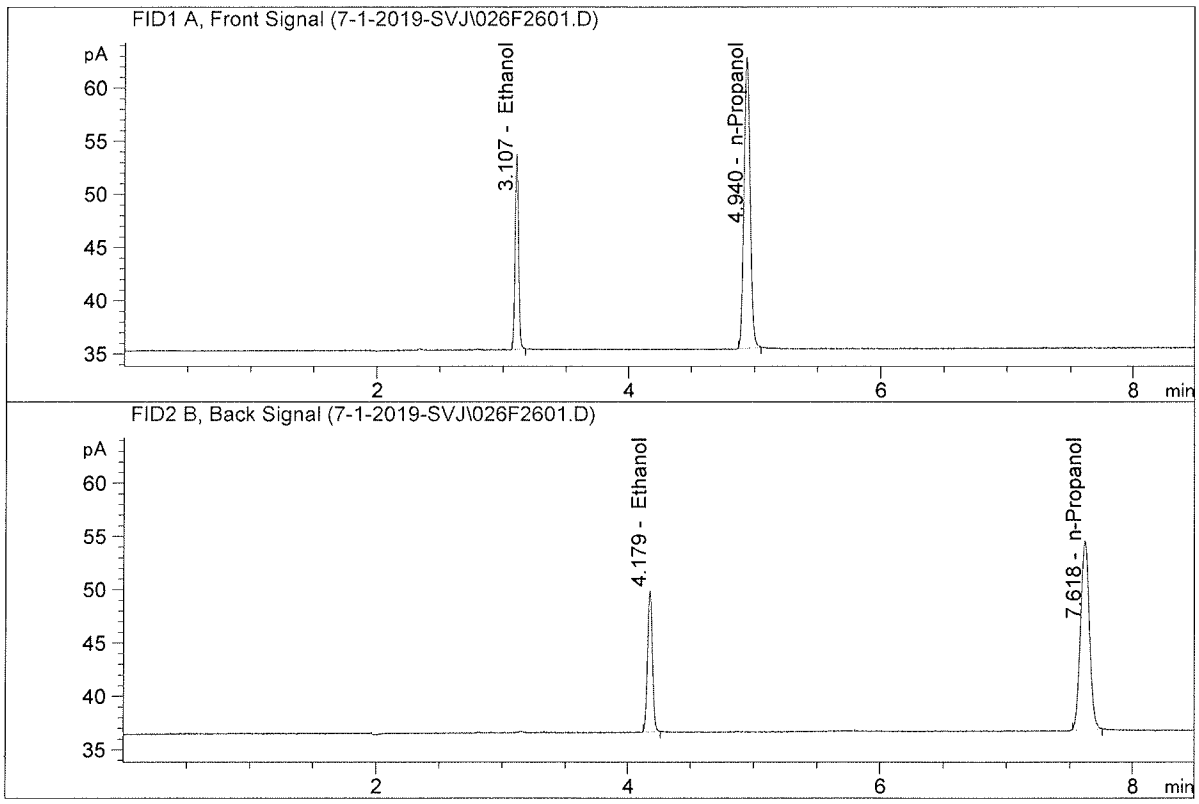
Reported Result

0.196

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

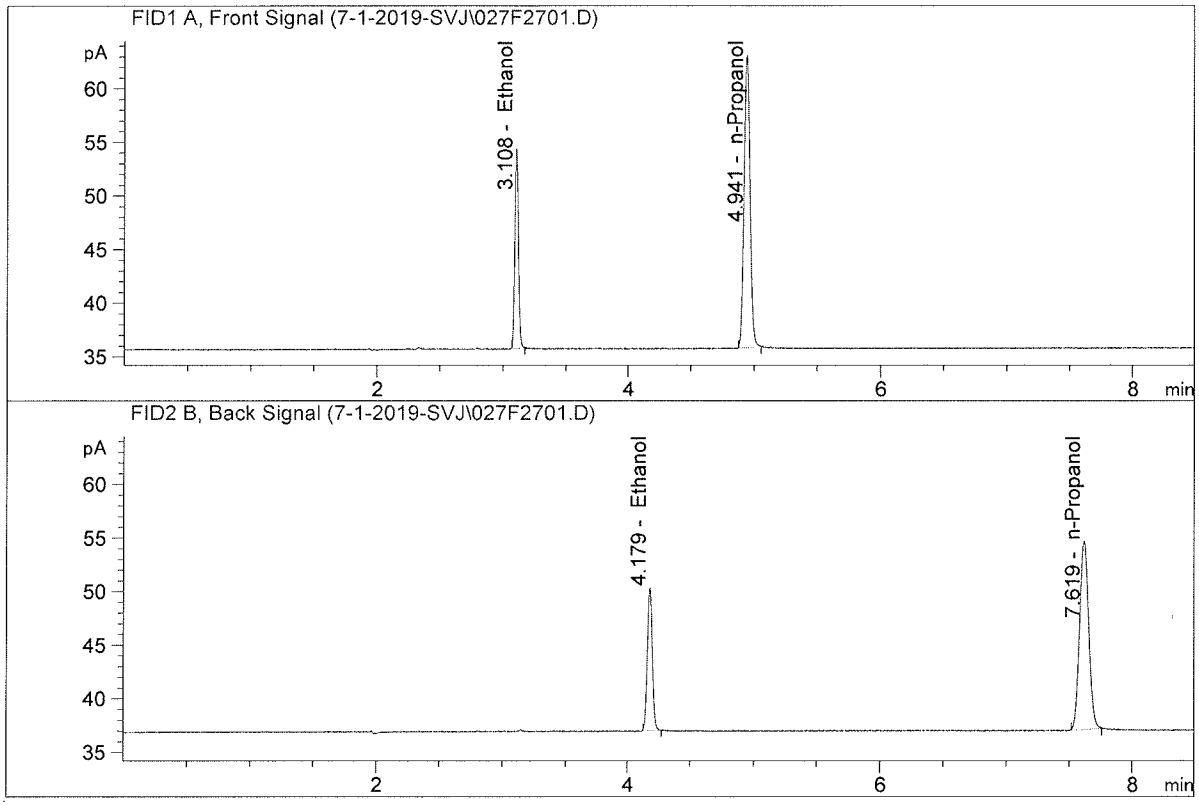
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.05863	0.1946	g/100cc
2.	Ethanol	Column 2:	36.15610	0.1946	g/100cc
3.	n-Propanol	Column 1:	89.83112	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.08415	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

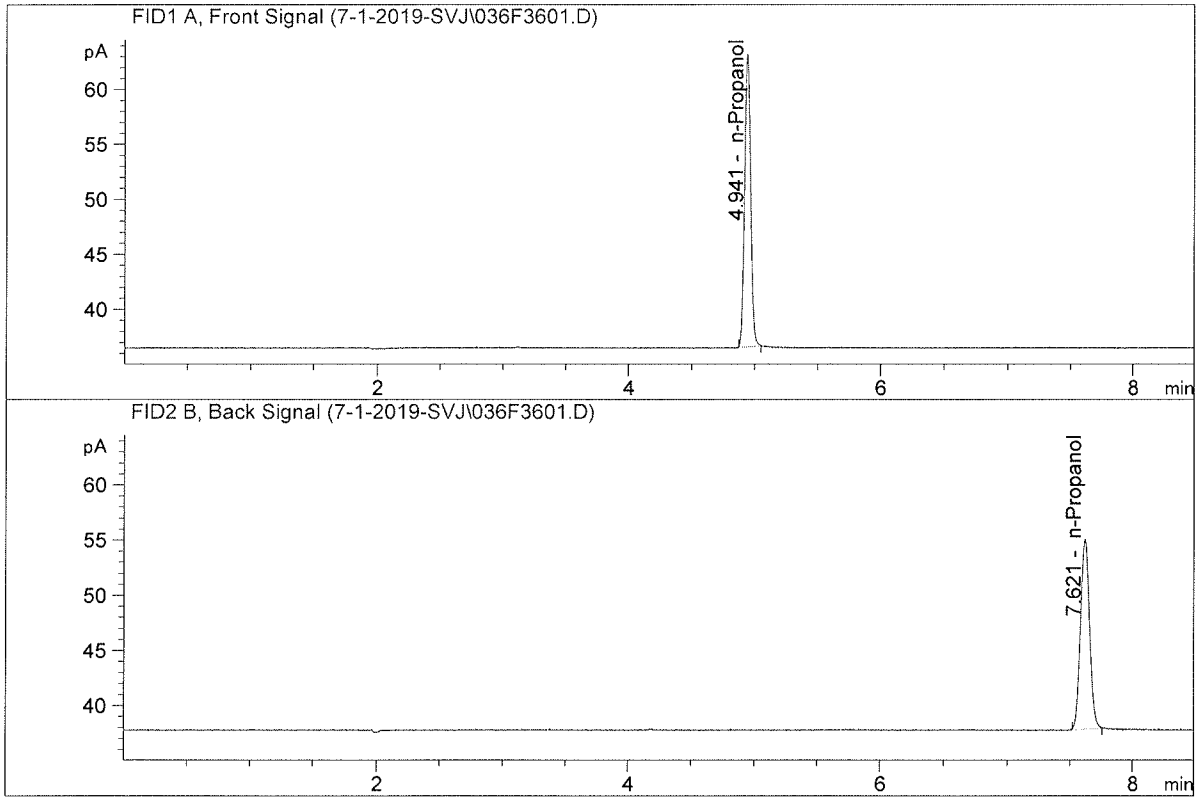
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.47226	0.1973	g/100cc
2.	Ethanol	Column 2:	36.76474	0.1984	g/100cc
3.	n-Propanol	Column 1:	89.60478	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.80849	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

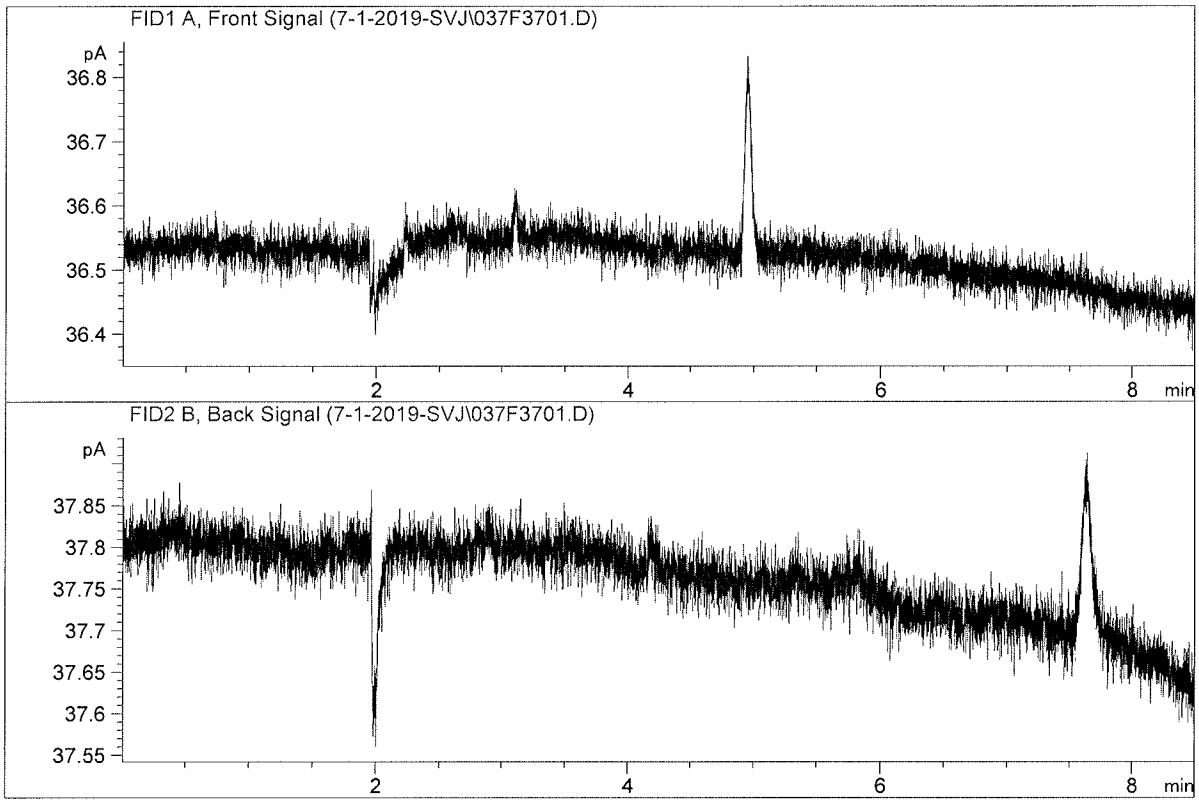
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	87.28250	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.66515	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

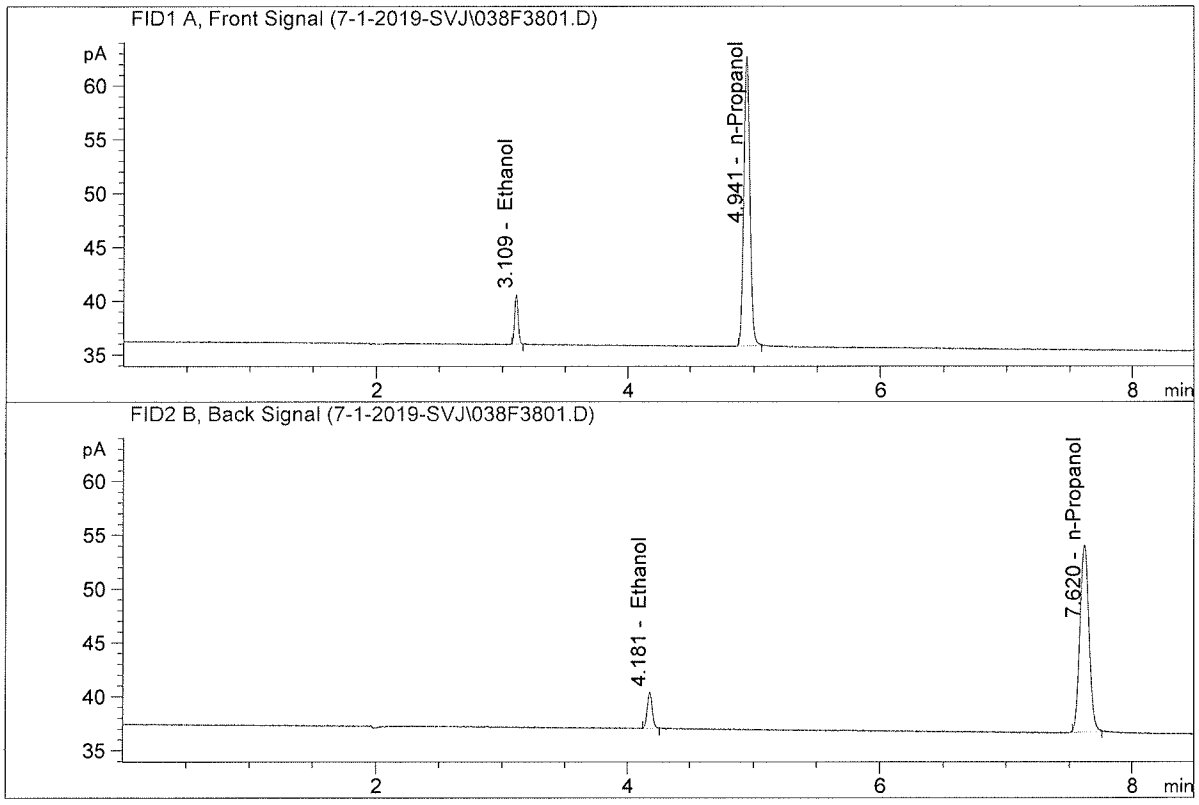
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

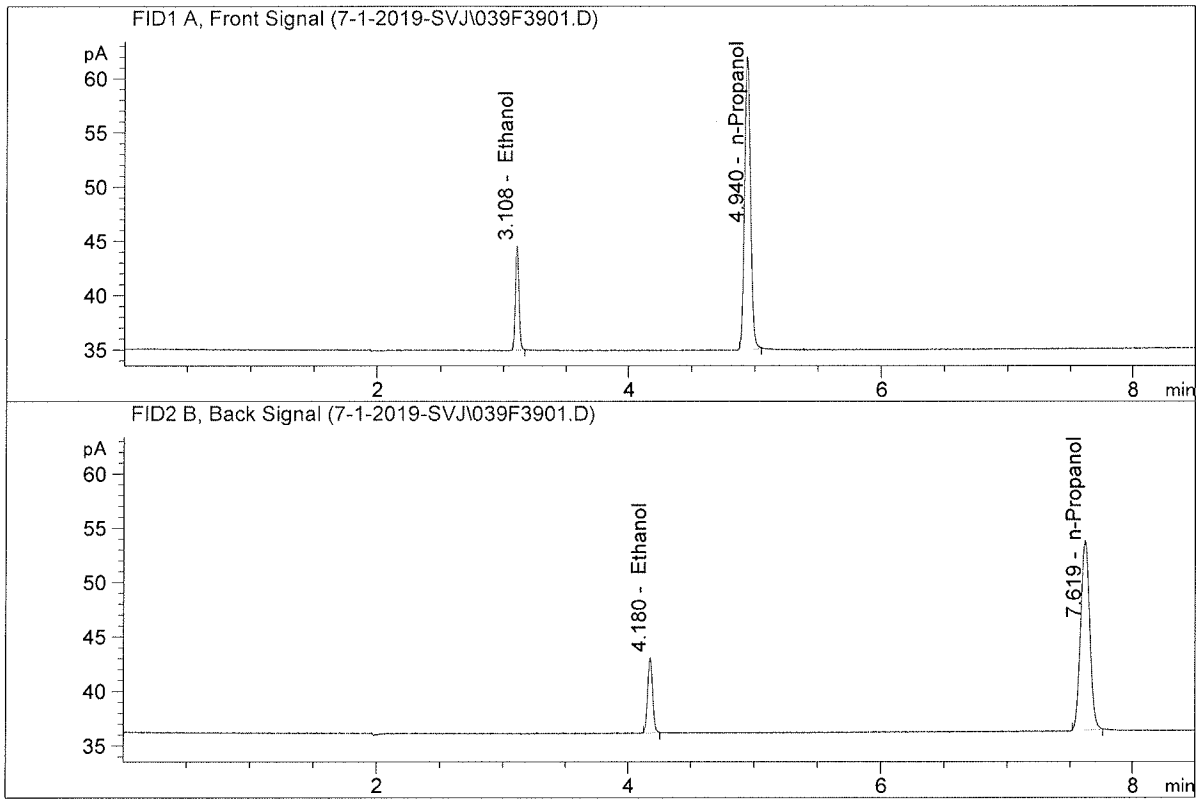
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.14433	0.0502	g/100cc
2.	Ethanol	Column 2:	9.18529	0.0502	g/100cc
3.	n-Propanol	Column 1:	88.34712	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.64233	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

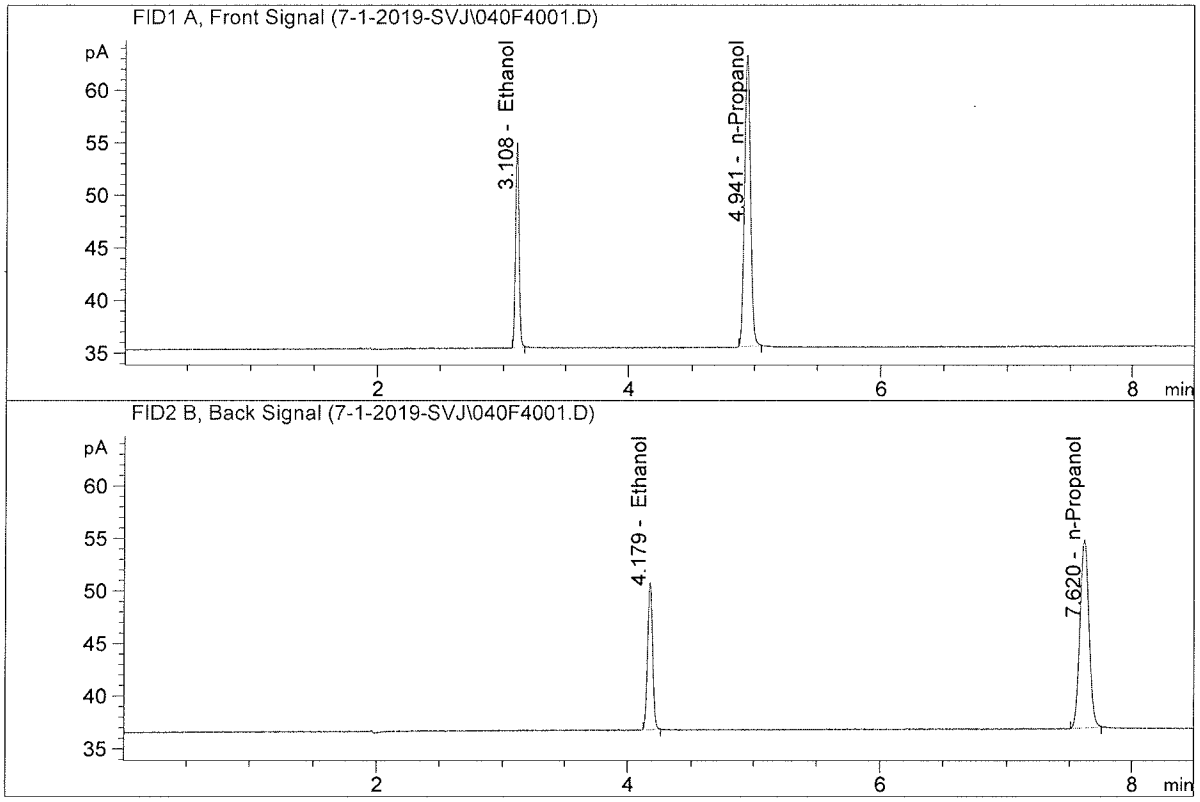
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.86164	0.1032	g/100cc
2.	Ethanol	Column 2:	18.96426	0.1034	g/100cc
3.	n-Propanol	Column 1:	88.59125	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.89070	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

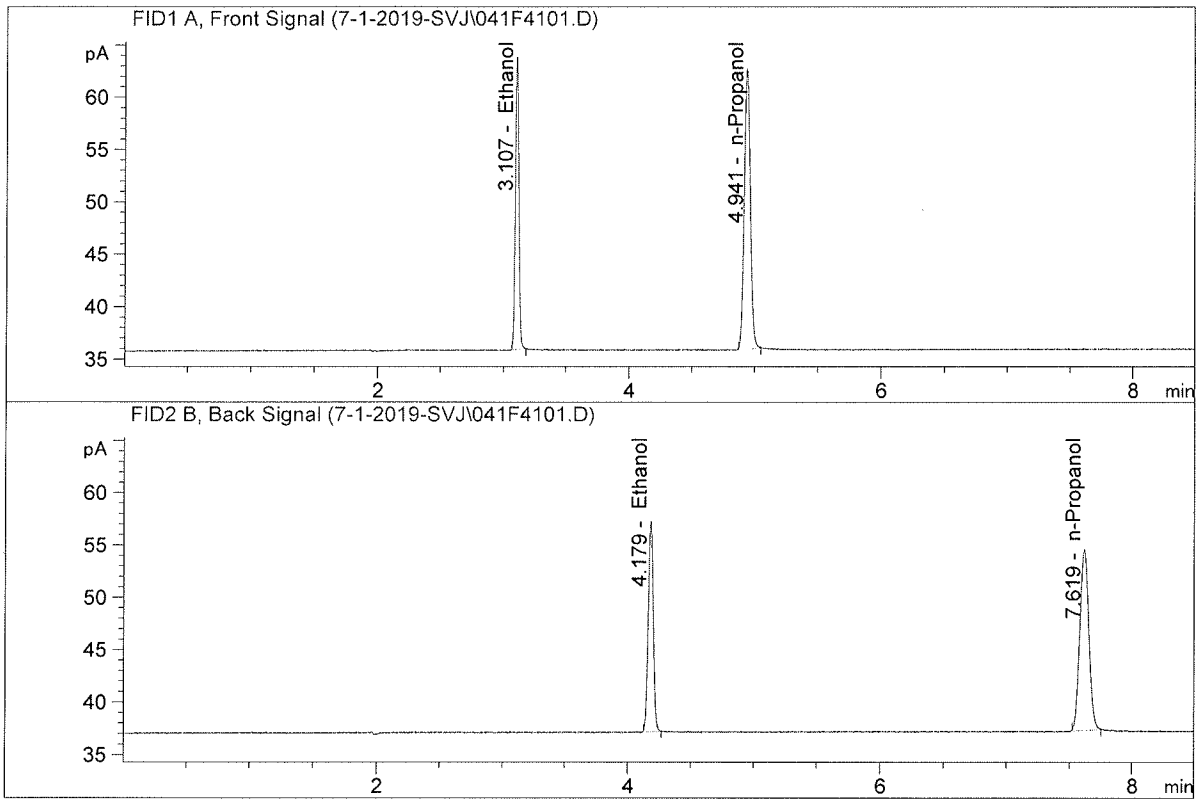
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.11794	0.2027	g/100cc
2.	Ethanol	Column 2:	38.35658	0.2035	g/100cc
3.	n-Propanol	Column 1:	91.14375	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.34681	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

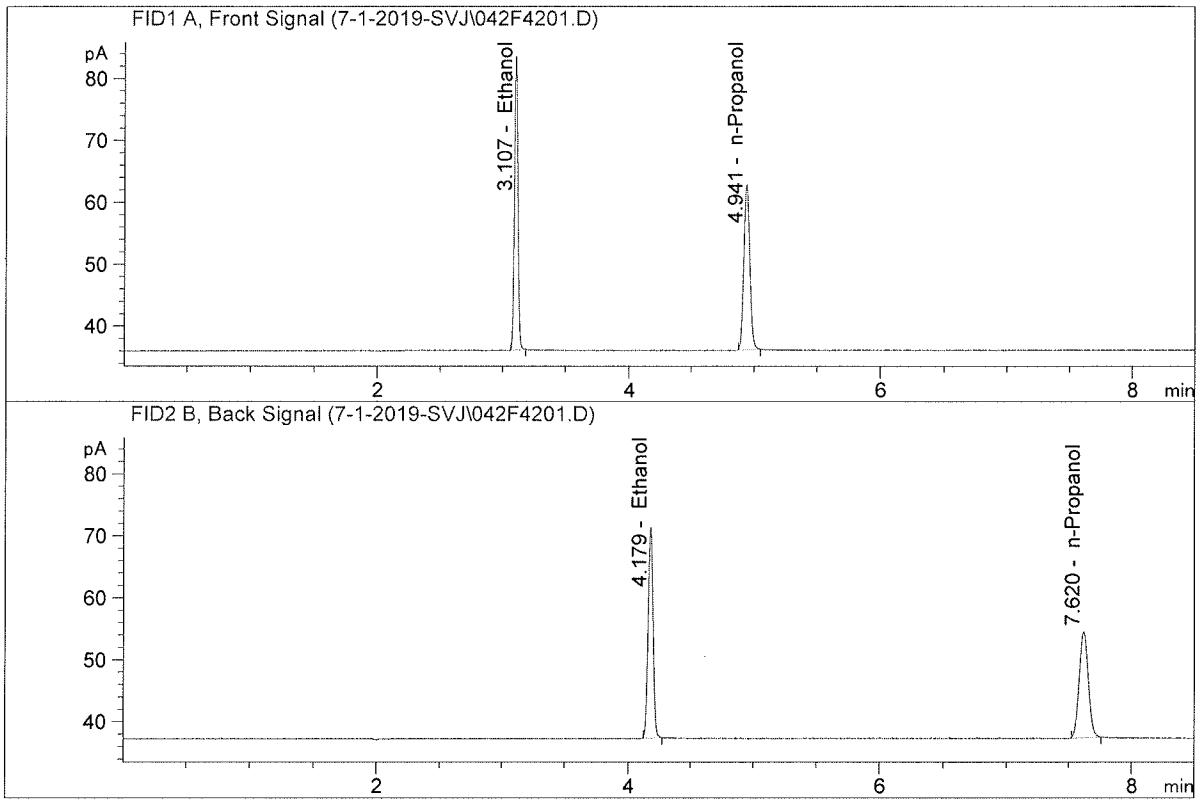
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.65766	0.3013	g/100cc
2.	Ethanol	Column 2:	54.90874	0.3025	g/100cc
3.	n-Propanol	Column 1:	87.91068	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.00847	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : .0500
Laboratory : Coeur d' Alene
Injection Date : Jul 1, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	92.34393	0.5105	g/100cc
2.	Ethanol	Column 2:	92.74050	0.5136	g/100cc
3.	n-Propanol	Column 1:	87.67953	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.55077	1.0000	g/100cc