Worklist: 3581

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2019-1217	1	158634	Alcohol Analysis
C2019-1225	1	156231	Alcohol Analysis
C2019-1233	1	156311	Alcohol Analysis
C2019-1242	1	156335	Alcohol Analysis
C2019-1270	1	156653	Alcohol Analysis
C2019-1297	1	156899	Alcohol Analysis
C2019-1299	1	156915	Alcohol Analysis
C2019-1306	1	156926	Alcohol Analysis
C2019-1307	1	156927	Alcohol Analysis
C2019-1308	1	156928	Alcohol Analysis
C2019-1309	1	156929	Alcohol Analysis
C2019-1312	1	156938	Alcohol Analysis
C2019-1431	1	157853	Alcohol Analysis
C2019-1432	1	157869	Alcohol Analysis
C2019-1433	1	157898	Alcohol Analysis
C2019-1437	1	157933	Alcohol Analysis
C2019-1469	1	158261	Alcohol Analysis
C2019-1470	1	158267	Alcohol Analysis
C2019-1474	1	158624	Alcohol Analysis

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls **Run Date(s): 7/29/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0774 g/100cc
					g/100cc
					g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1918 g/100cc
					0.1942 g/100cc
					g/100cc

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

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0493	0.0008	0.0497
100	0.100	0.090 - 0.110	0.0999	0.0982	0.0017	0.099
200	0.200	0.180 - 0.220	0.2038	0.2029	0.0009	0.2033
300	0.300	0.270 - 0.330	0.2987	0.2993	0.0006	0.299
500	0.500	0.450 - 0.550	0.4993	0.4997	0.0004	0.4995

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_29.07.2019_03.35.56\7-29-2019.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.07.2019_03.35.56\7-29-2019.S
Data directory path: C:\Chem32\1\Data\7-29-2019-SVJ
Logbook: C:\Chem32\1\Data\7-29-2019-SVJ\7-29-2019.LOG
Sequence start: 7/29/2019 3:49:42 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	C2019-1217-1-A	-	1.0000	008F0801.D	4
9	9	1	C2019-1217-1-B	-	1.0000	009F0901.D	4
10	10	1	C2019-1225-1-A	-	1.0000	010F1001.D	6
11	11	1	C2019-1225-1-B	-	1.0000	011F1101.D	6
12	12	1	C2019-1233-1-A	-	1.0000	012F1201.D	6
13	13	1	C2019-1233-1-B	-	1.0000	013F1301.D	6
14	14	1	C2019-1242-1-A	-	1.0000	014F1401.D	2
15	15	1	C2019-1242-1-B	-	1.0000	015F1501.D	2
16	16	1	C2019-1270-1-A	-	1.0000	016F1601.D	6
17	17	1	C2019-1270-1-B	-	1.0000	017F1701.D	6
18	18	1	C2019-1297-1-A	-	1.0000	018F1801.D	2
19	19	1	C2019-1297-1-B	-	1.0000	019F1901.D	2
20	20	1	C2019-1299-1-A	-	1.0000	020F2001.D	4
21	21	1	C2019-1299-1-B	-	1.0000	021F2101.D	4
22	22	1	C2019-1306-1-A	-	1.0000	022F2201.D	4
23	23	1	C2019-1306-1-B	-	1.0000	023F2301.D	4
24	24	1	C2019-1307-1-A	-	1.0000	024F2401.D	4
25	25	1	C2019-1307-1-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	C2019-1308-1-A	-	1.0000	028F2801.D	6
29	29	1	C2019-1308-1-B	-	1.0000	029F2901.D	4
30	30	1	C2019-1309-1-A	-	1.0000	030F3001.D	4
31	31	1	C2019-1309-1-B	-	1.0000	031F3101.D	4
32	32	1	C2019-1312-1-A	-	1.0000	032F3201.D	4
33	33	1	C2019-1312-1-B	-	1.0000	033F3301.D	4
34	34	1	C2019-1431-1-A	-	1.0000	034F3401.D	4
35	35	1	C2019-1431-1-B	-	1.0000	035F3501.D	4
36	36	1	C2019-1432-1-A	-	1.0000	036F3601.D	6
37	37	1	C2019-1432-1-B	-	1.0000	037F3701.D	6
38	38	1	C2019-1433-1-A	-	1.0000	038F3801.D	4
39	39	1	C2019-1433-1-B	-	1.0000	039F3901.D	4
40	40	1	C2019-1437-1-A	-	1.0000	040F4001.D	4
41	41	1	C2019-1437-1-B	-	1.0000	041F4101.D	4
42	42	1	C2019-1469-1-A	-	1.0000	042F4201.D	4
43	43	1	C2019-1469-1-B	-	1.0000	043F4301.D	4
44	44	1	C2019-1470-1-A	-	1.0000	044F4401.D	6
45	45	1	C2019-1470-1-B	-	1.0000	045F4501.D	6
46	46	1	C2019-1474-1-A	-	1.0000	046F4601.D	4

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_29.07.2019_03.35.56\7-29-2019.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
47	47	1	C2019-1474-1-B	-	1.0000	047F4701.D	4
48	48	1	QC-2-A	-	1.0000	048F4801.D	4
49	49	1	QC-2-B	-	1.0000	049F4901.D	4
50	50	1	ISTD BLANK	-	1.0000	050F5001.D	2
51	51	1	water	-	1.0000	051F5101.D	0
52	52	1	0.05	-	1.0000	052F5201.D	4
53	53	1	0.100	-	1.0000	053F5301.D	4
54	54	1	0.200	-	1.0000	054F5401.D	4
55	55	1	0.300	-	1.0000	055F5501.D	4
56	56	1	~~.0500~~ 0.500	-	1.0000	056F5601.D	4

99

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Calibration Table

General Calibration Setting

Calib. Data Modified : Monday, July 29, 2019 3:19:53 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Forced
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-Propanol
2	1.00000	n-Propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

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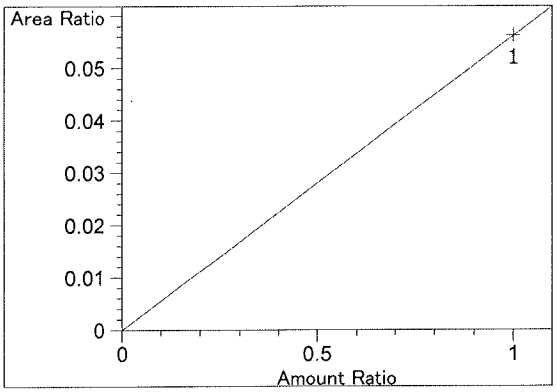
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.107	1	1	5.00000e-2	9.10653	5.49056e-3	No	No	1	Ethanol
		2	1.00000e-1	18.63084	5.36744e-3				
		3	2.00000e-1	37.23952	5.37064e-3				
		4	3.00000e-1	55.28444	5.42648e-3				
		5	5.00000e-1	92.41039	5.41065e-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
4.179	2	1	5.00000e-2	8.97166	5.57310e-3	No	No	2	Ethanol
		2	1.00000e-1	18.28162	5.46997e-3				
		3	2.00000e-1	36.90694	5.41904e-3				
		4	3.00000e-1	54.99275	5.45526e-3				
		5	5.00000e-1	92.14597	5.42617e-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
4.941	1	1	1.00000	89.68454	1.11502e-2	No	Yes	1	n-Propanol
		2	1.00000	91.94078	1.08766e-2				
		3	1.00000	90.09595	1.10993e-2				
		4	1.00000	91.25370	1.09585e-2				
		5	1.00000	91.25426	1.09584e-2				
7.619	2	1	1.00000	88.89230	1.12496e-2	No	Yes	2	n-Propanol
		2	1.00000	90.86374	1.10055e-2				
		3	1.00000	88.81472	1.12594e-2				
		4	1.00000	89.72786	1.11448e-2				
		5	1.00000	90.04483	1.11056e-2				

Peak Sum Table

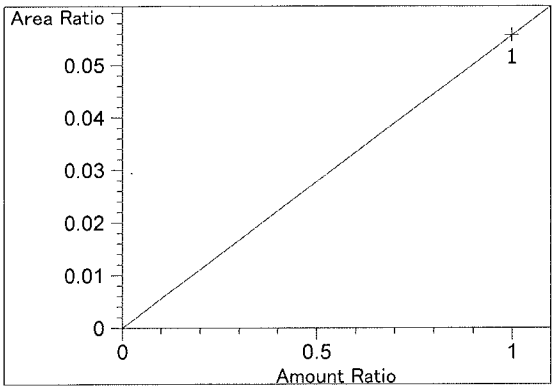
No Entries in table

Calibration Curves

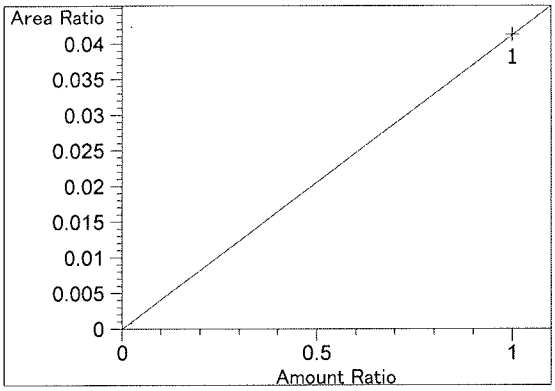


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.62478e-2
x: Amount Ratio
y: Area Ratio

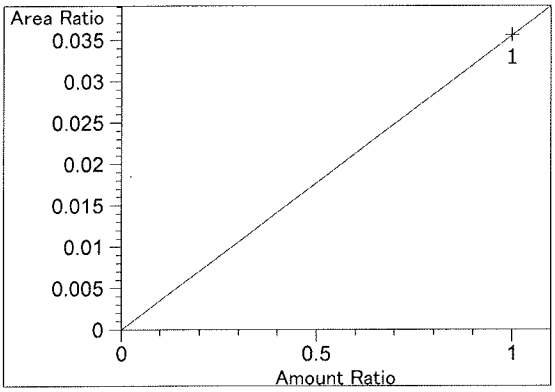
99



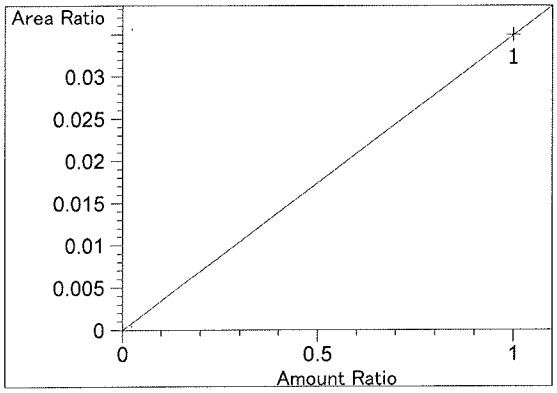
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.57510e-2
x: Amount Ratio
y: Area Ratio



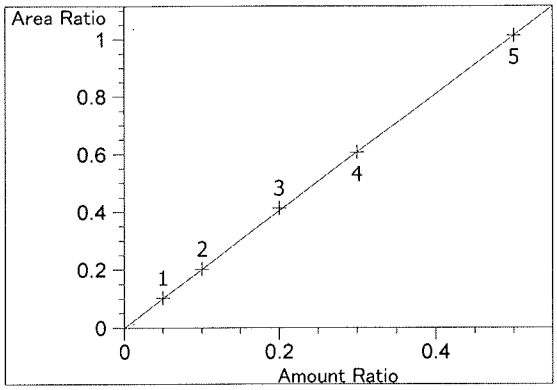
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.12189e-2
x: Amount Ratio
y: Area Ratio



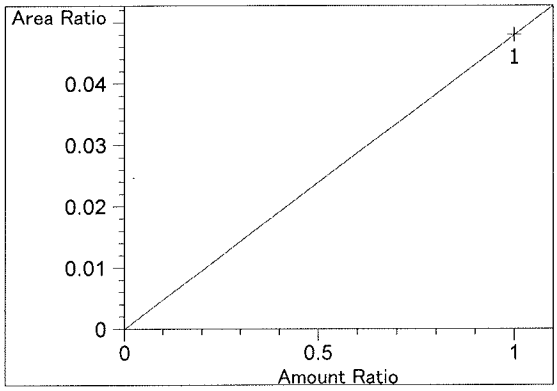
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.56038e-2
x: Amount Ratio
y: Area Ratio



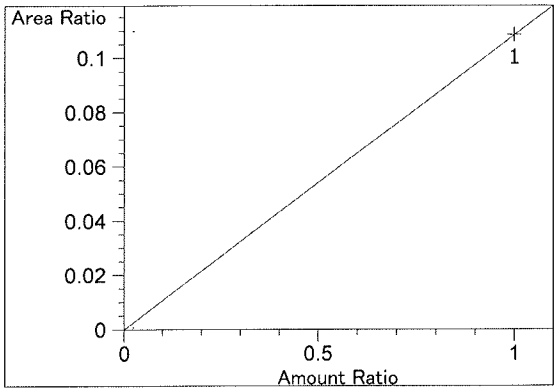
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.49383e-2
x: Amount Ratio
y: Area Ratio



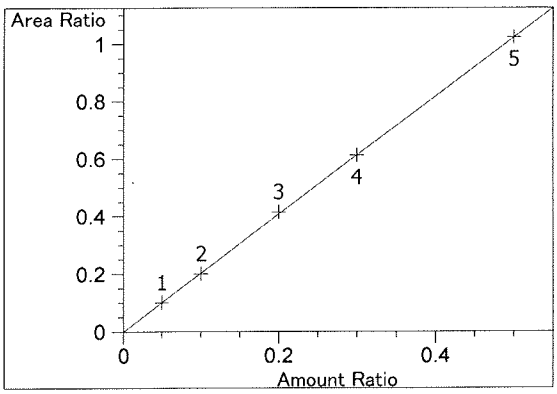
Ethanol at exp. RT: 3.107
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00413
Formula: y = mx
m: 2.02826
x: Amount Ratio
y: Area Ratio



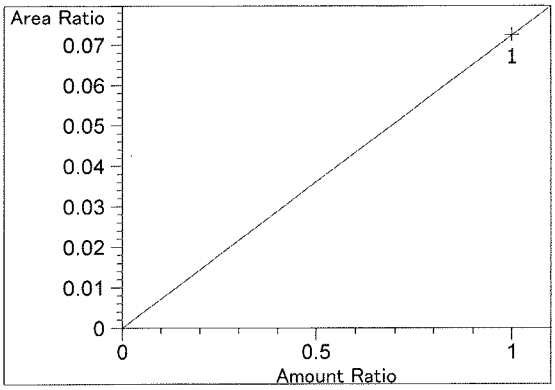
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.79302e-2
x: Amount Ratio
y: Area Ratio



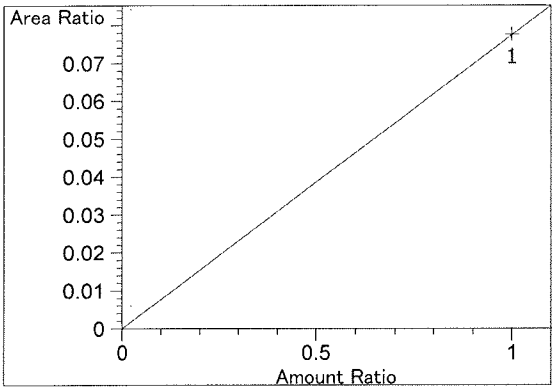
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.08498e-1
x: Amount Ratio
y: Area Ratio



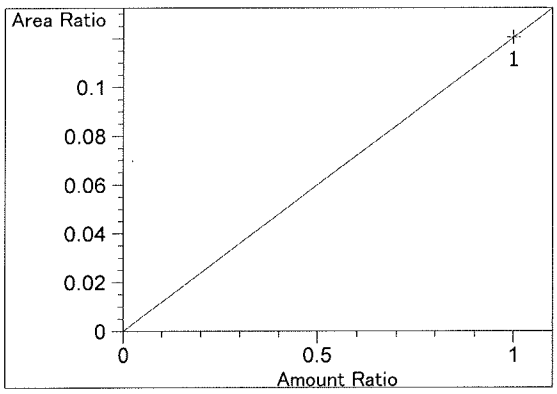
Ethanol at exp. RT: 4.179
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00365
Formula: y = mx
m: 2.04792
x: Amount Ratio
y: Area Ratio



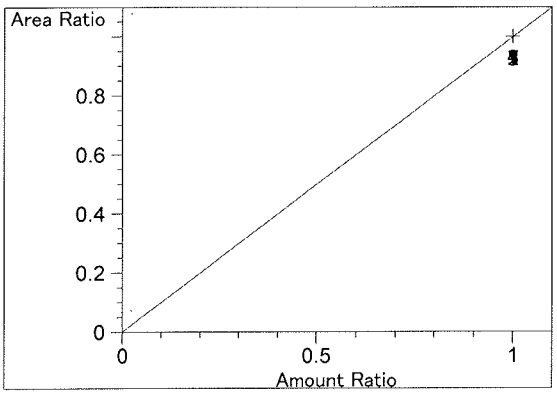
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.24696e-2
x: Amount Ratio
y: Area Ratio



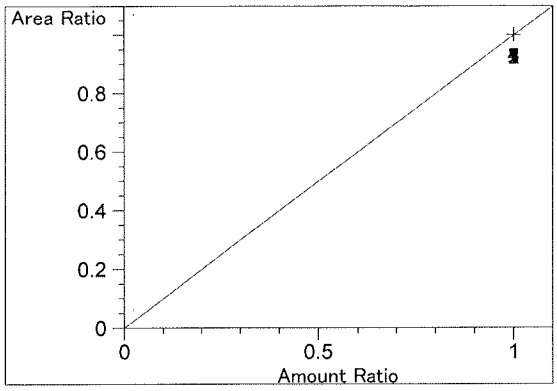
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.75434e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.20443e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.941
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: 7.619
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_29.07.2019_01.25.03\7-29-19cal.S

Sample Summary

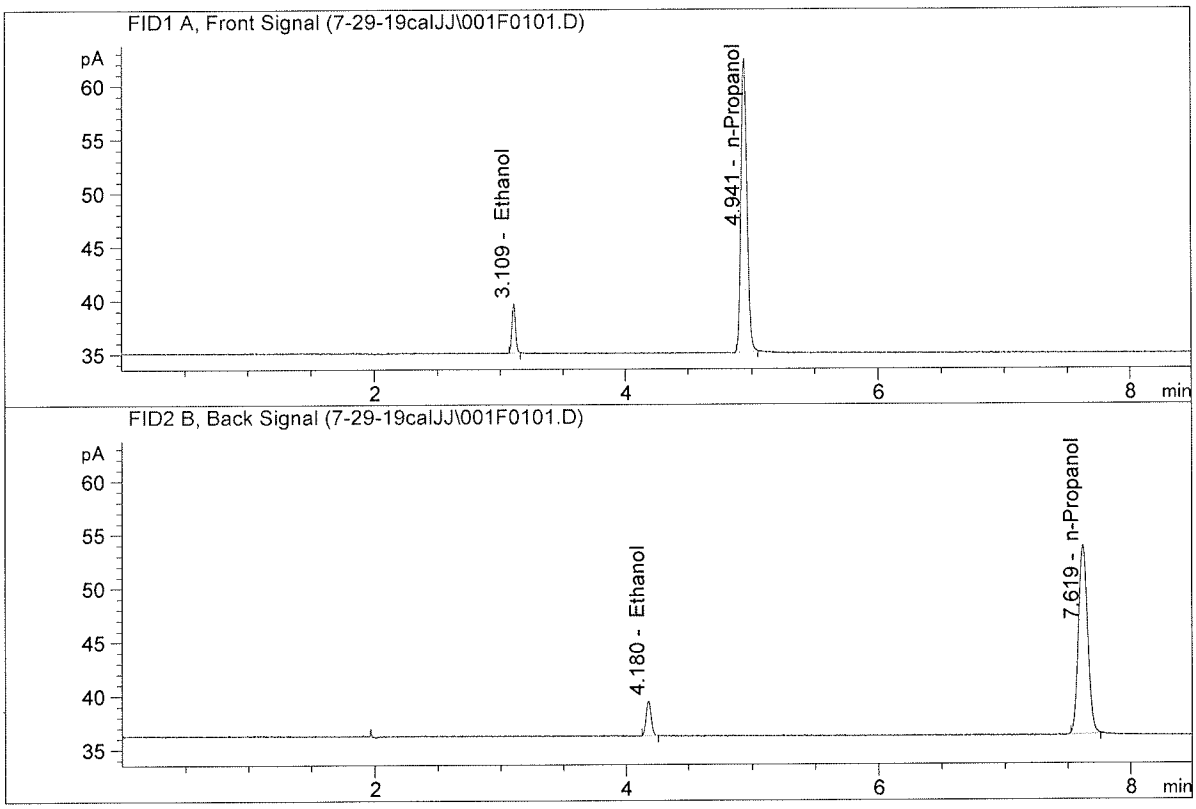
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.07.2019_01.25.03\7-29-19cal.S
Data directory path: C:\Chem32\1\Data\7-29-19calJJ
Logbook: C:\Chem32\1\Data\7-29-19calJJ\7-29-19cal.LOG
Sequence start: 7/29/2019 1:38:45 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

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

ISP Forensic Services Blood Alcohol Report

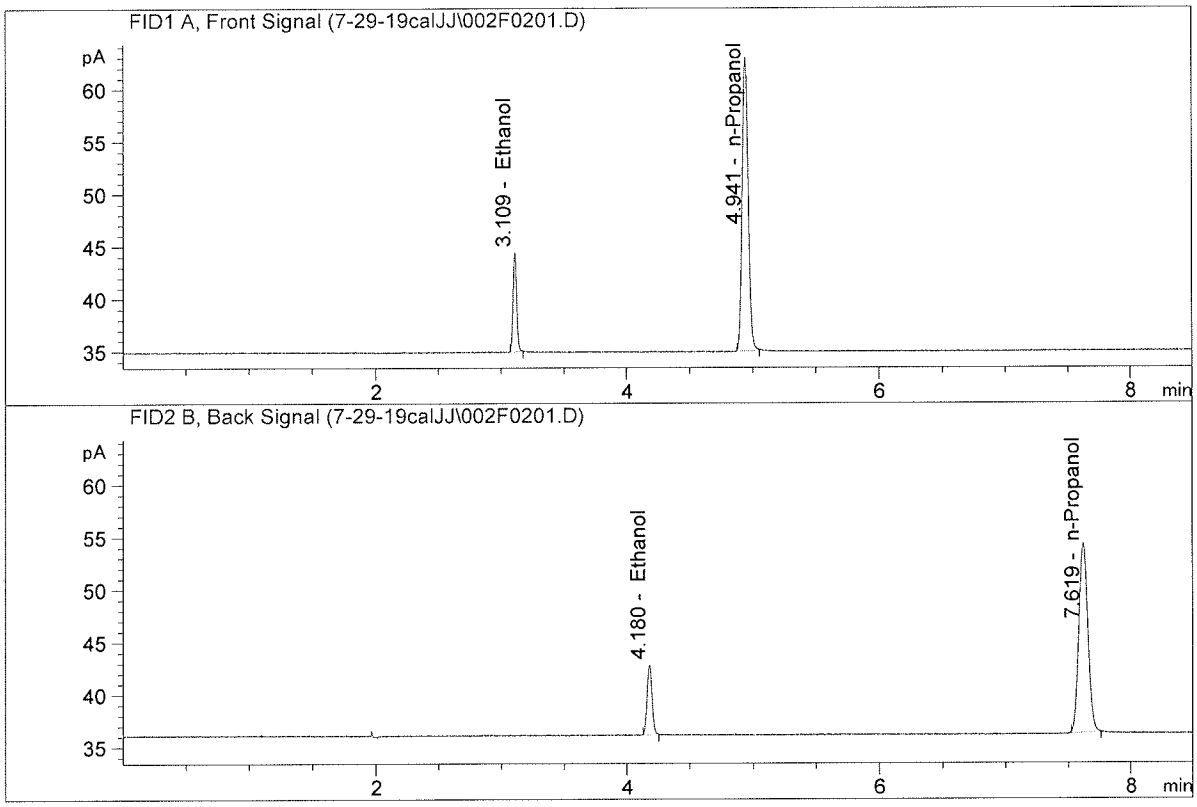
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.10653	0.0501	g/100cc
2.	Ethanol	Column 2:	8.97166	0.0493	g/100cc
3.	n-Propanol	Column 1:	89.68454	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.89230	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

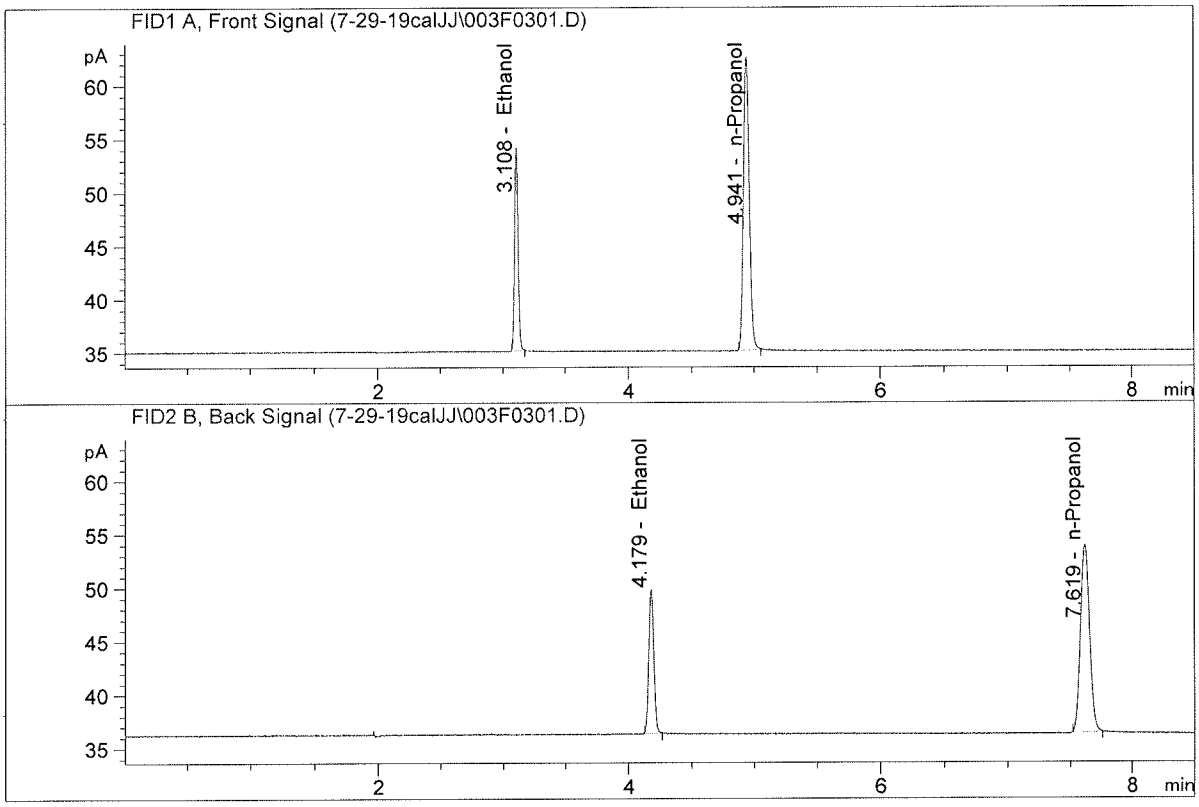
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.63084	0.0999	g/100cc
2.	Ethanol	Column 2:	18.28162	0.0982	g/100cc
3.	n-Propanol	Column 1:	91.94078	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.86374	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

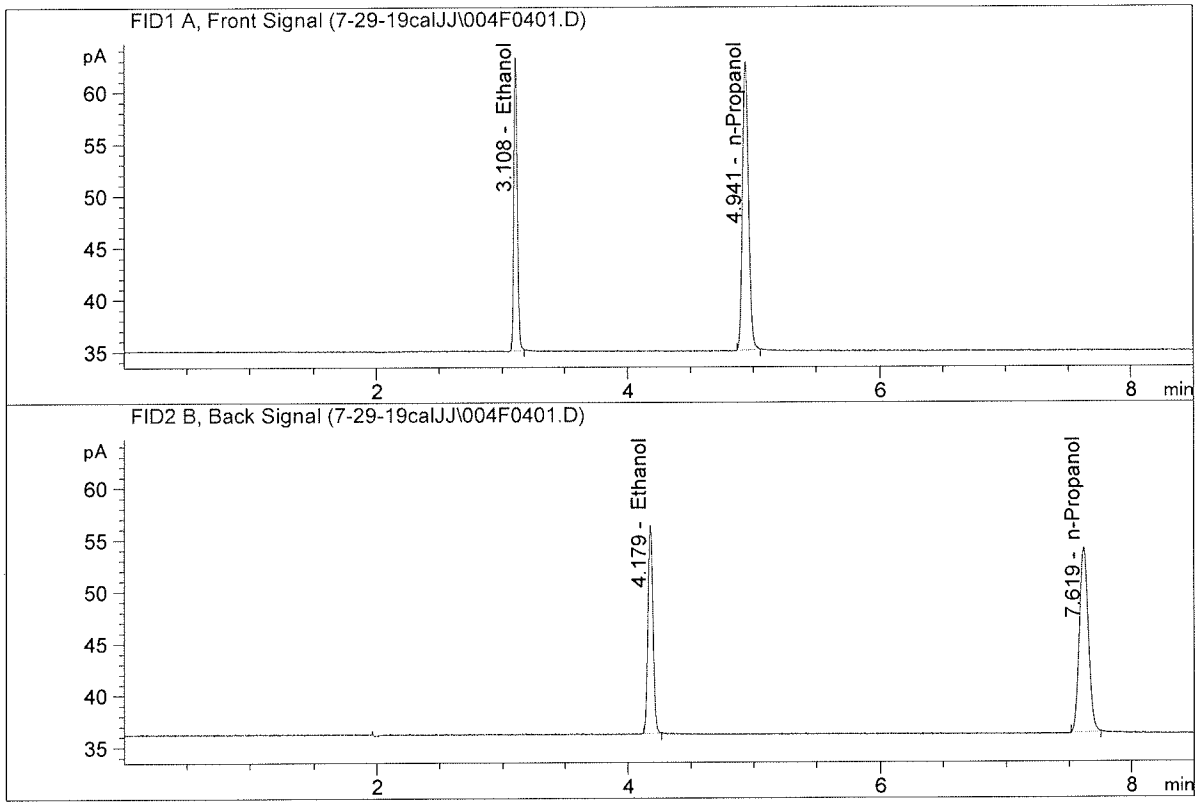
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.23952	0.2038	g/100cc
2.	Ethanol	Column 2:	36.90694	0.2029	g/100cc
3.	n-Propanol	Column 1:	90.09595	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.81472	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

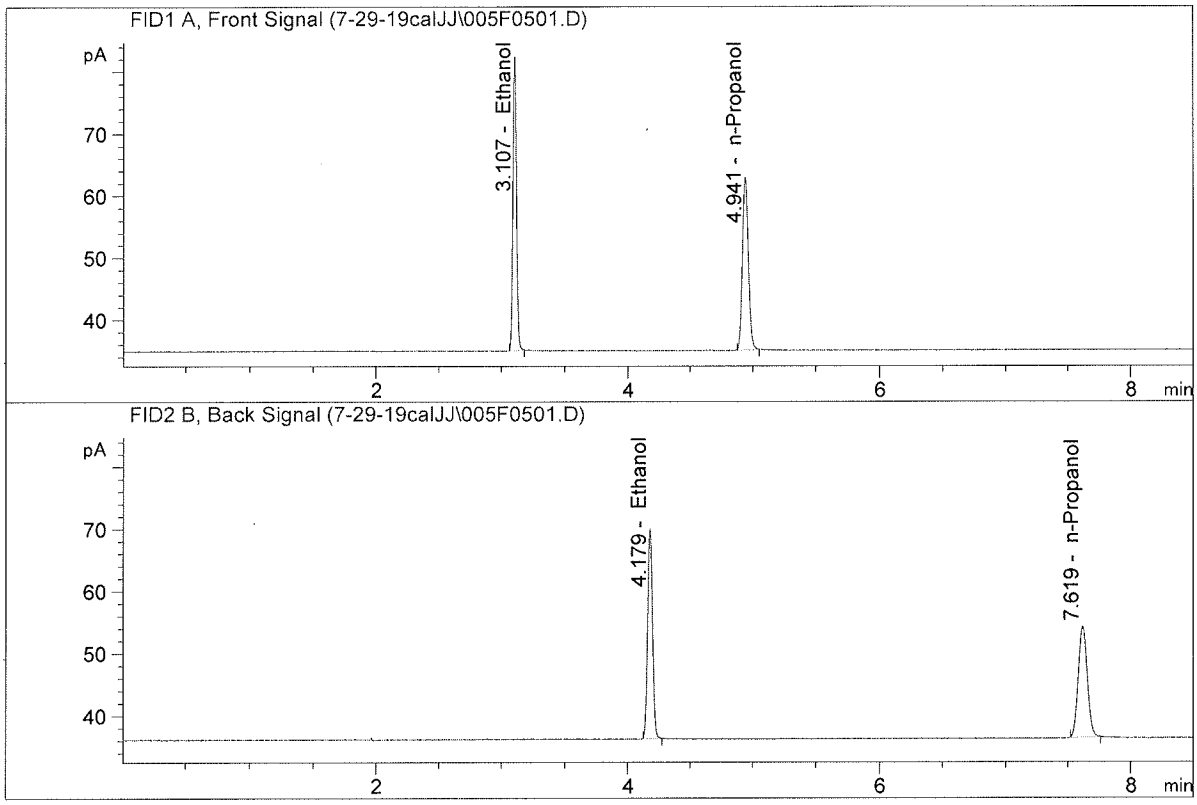
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.28444	0.2987	g/100cc
2.	Ethanol	Column 2:	54.99275	0.2993	g/100cc
3.	n-Propanol	Column 1:	91.25370	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.72786	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

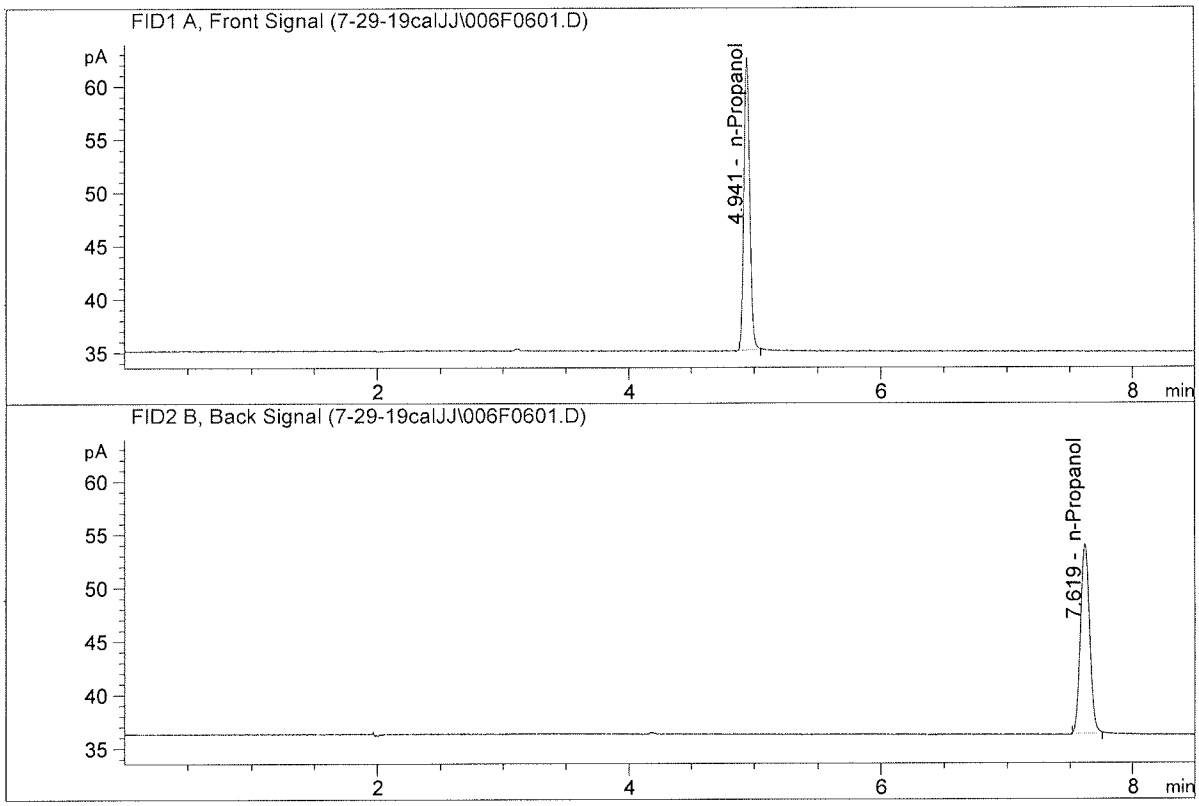
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	92.41039	0.4993	g/100cc
2.	Ethanol	Column 2:	92.14597	0.4997	g/100cc
3.	n-Propanol	Column 1:	91.25426	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.04483	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

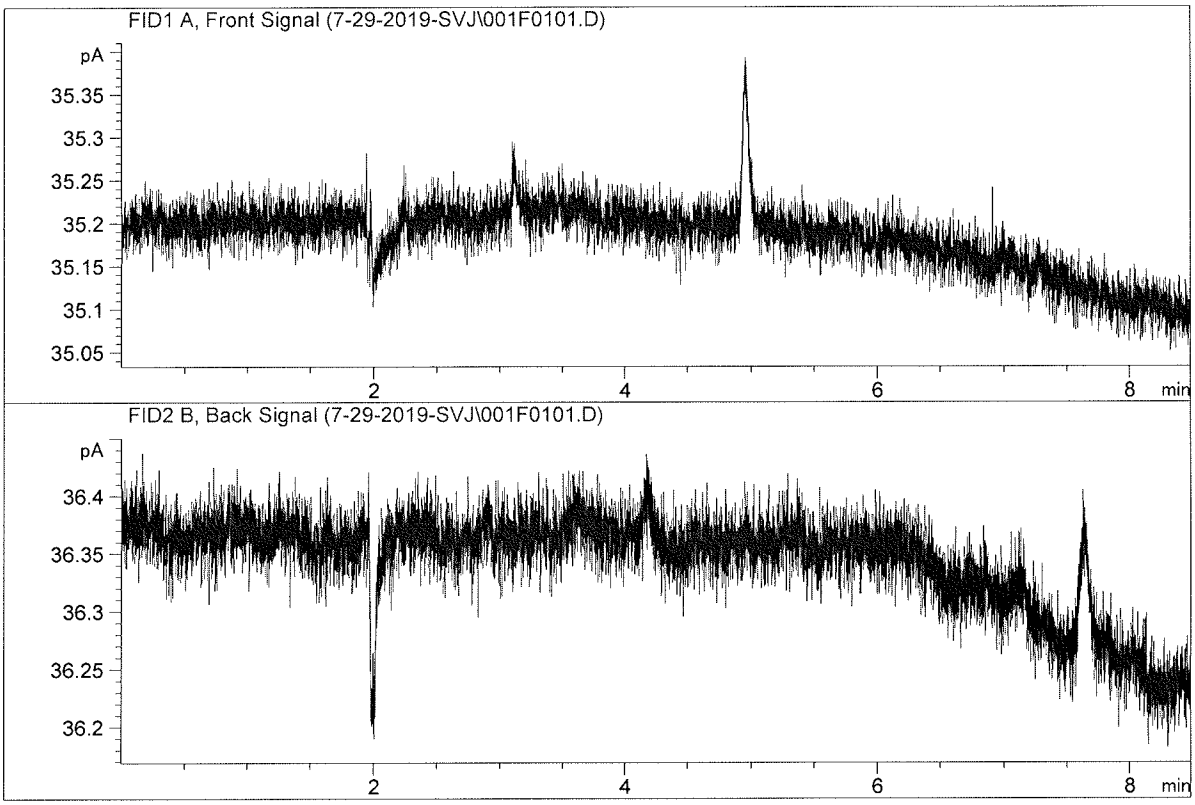
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	90.28020	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.44556	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

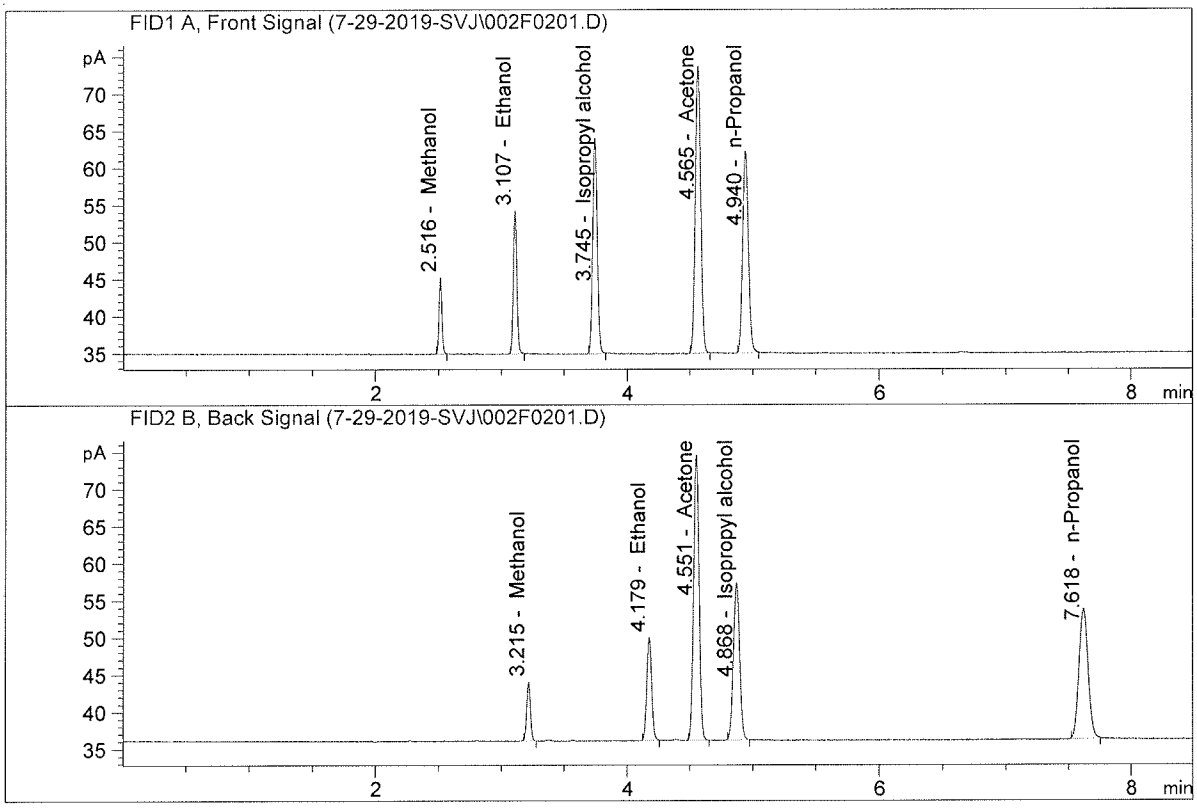
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

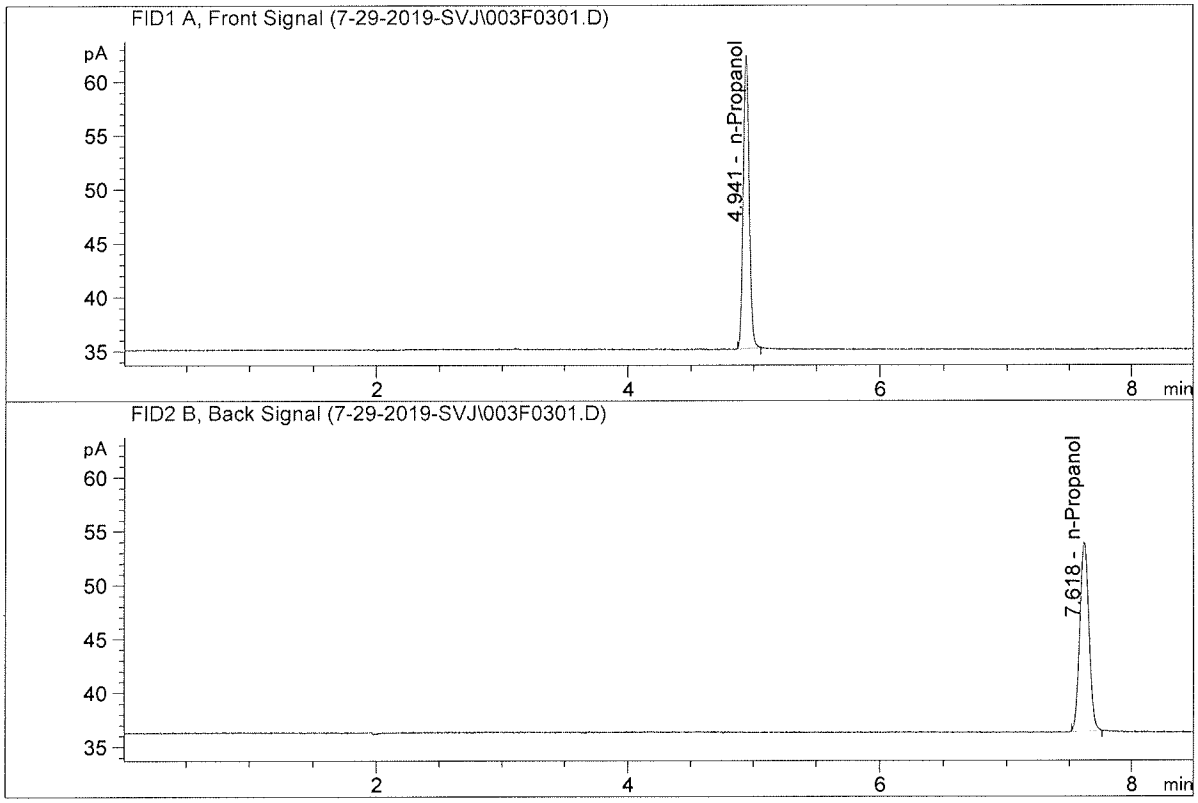
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.80025	0.2093	g/100cc
2.	Ethanol	Column 2:	37.91808	0.2103	g/100cc
3.	n-Propanol	Column 1:	89.02804	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.02663	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 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:	89.42825	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.72582	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 29 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0778	0.0778	0.0000	0.0778	0.0774	
(g/100cc)	0.0771	0.0770	0.0001	0.0770		

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%

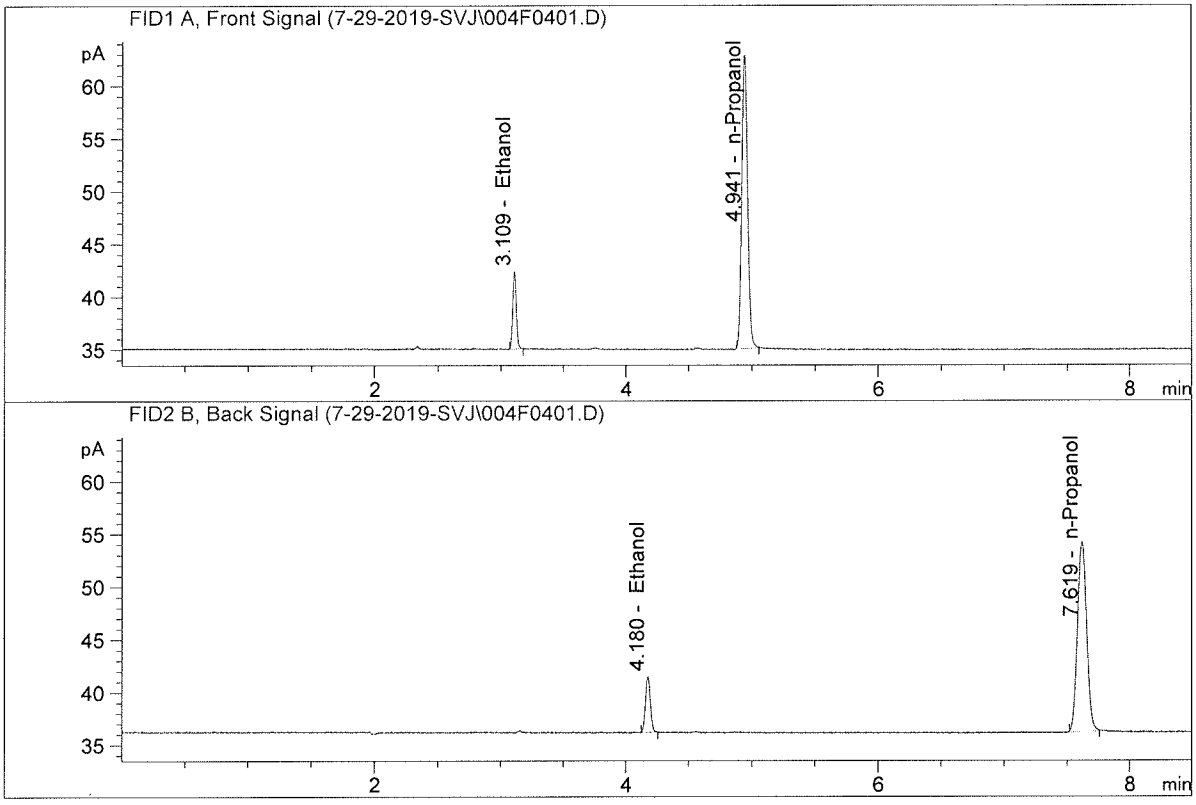
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

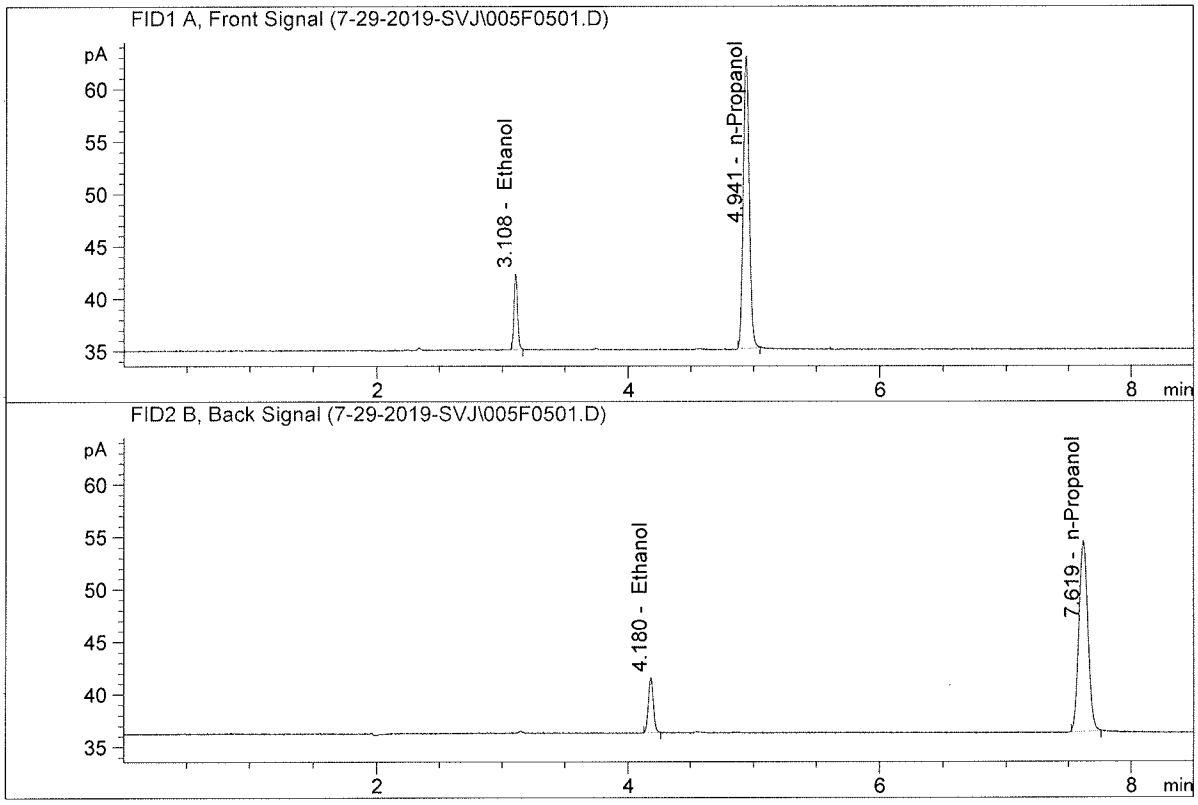
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.45624	0.0778	g/100cc
2.	Ethanol	Column 2:	14.47580	0.0778	g/100cc
3.	n-Propanol	Column 1:	91.57446	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.80908	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.30436	0.0771	g/100cc
2.	Ethanol	Column 2:	14.36052	0.0770	g/100cc
3.	n-Propanol	Column 1:	91.44267	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.07568	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 29 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0804	0.0806	0.0002	0.0805	0.0801	
(g/100cc)	0.0797	0.0799	0.0002	0.0798		

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%

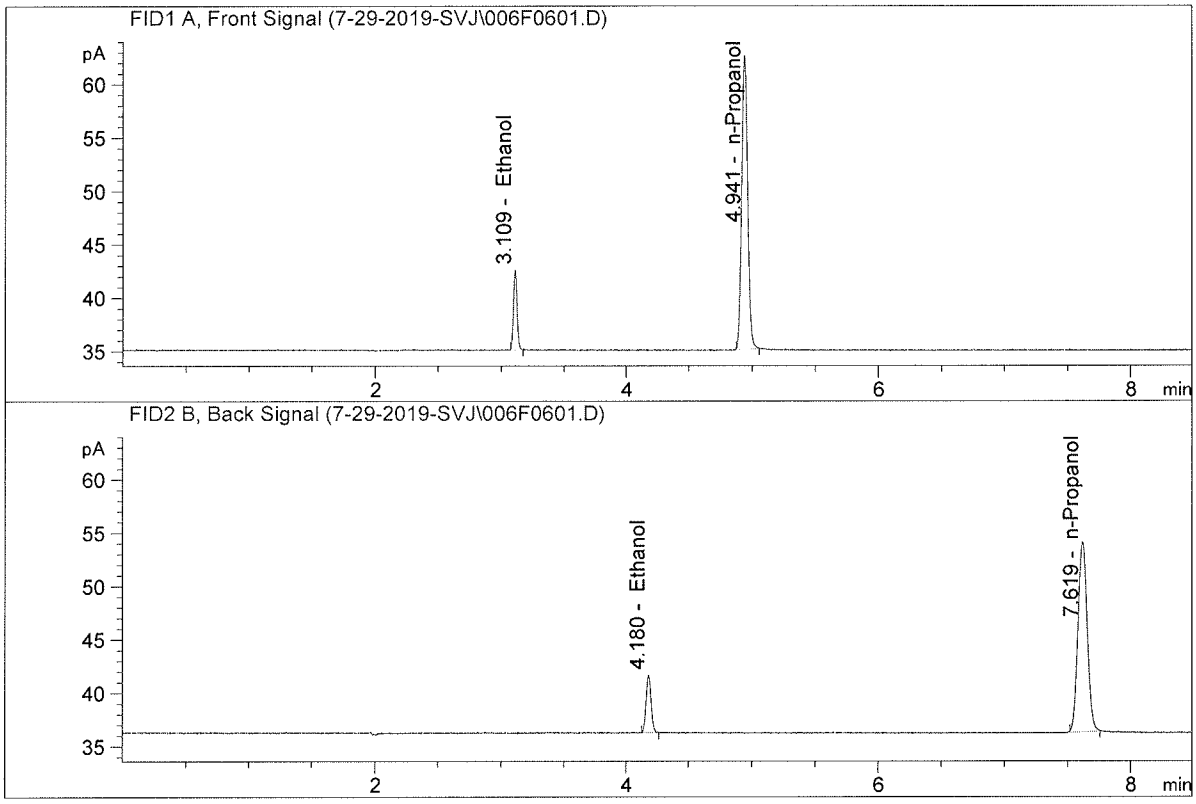
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

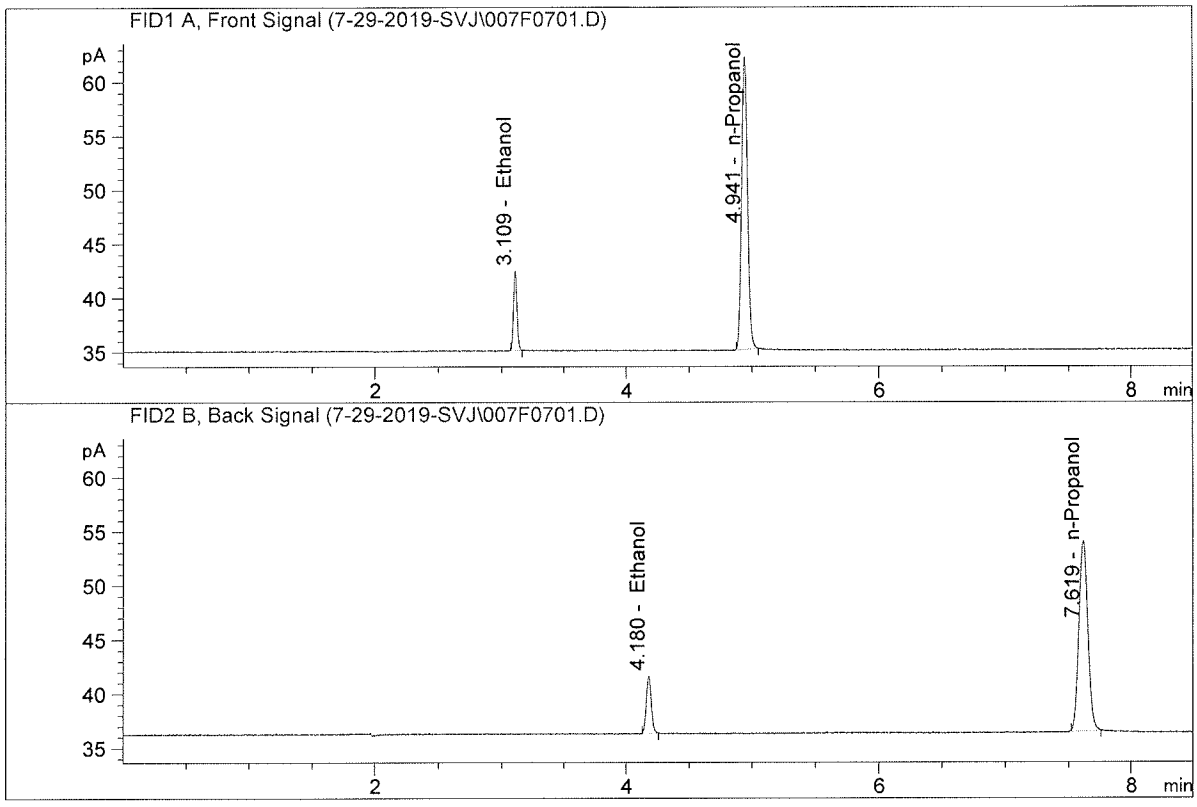
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.73286	0.0804	g/100cc
2.	Ethanol	Column 2:	14.80102	0.0806	g/100cc
3.	n-Propanol	Column 1:	90.37981	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.61854	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.39513	0.0797	g/100cc
2.	Ethanol	Column 2:	14.50000	0.0799	g/100cc
3.	n-Propanol	Column 1:	89.08218	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.66053	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 29 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1907	0.1914	0.0007	0.1910	0.1918	
(g/100cc)	0.1925	0.1929	0.0004	0.1927		

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%

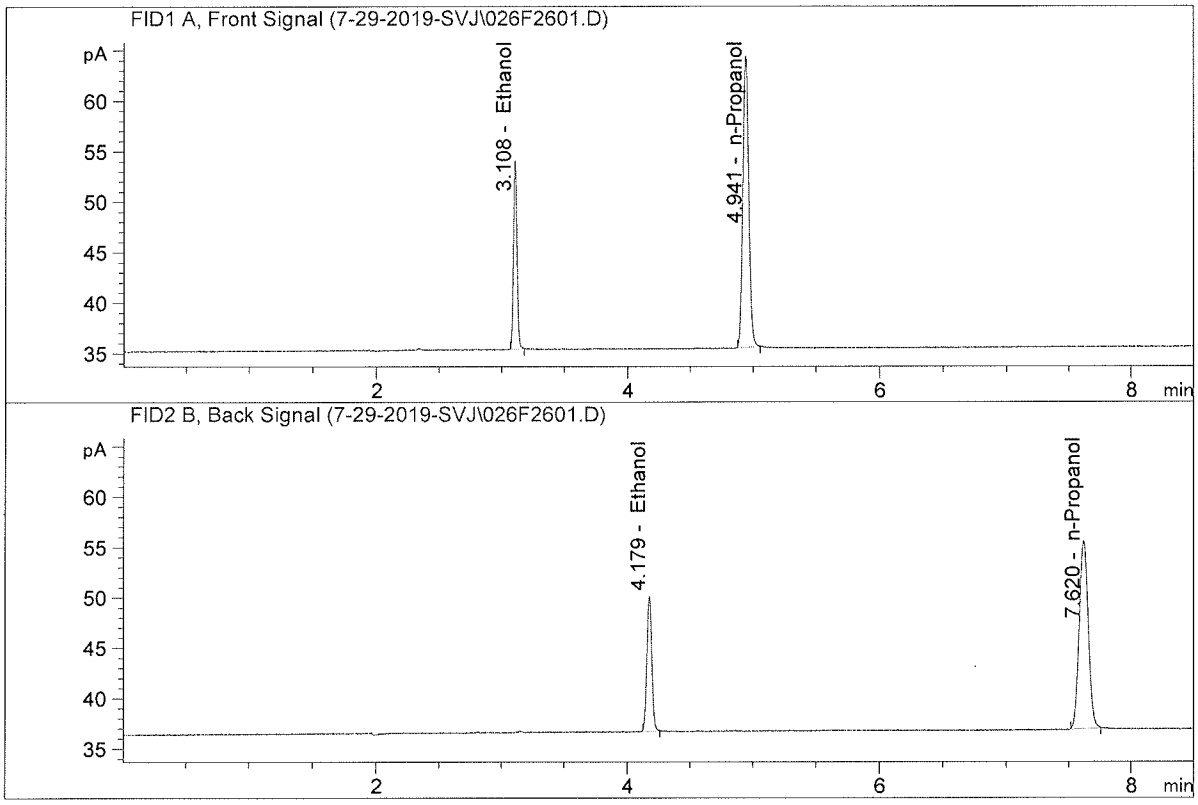
Overall Mean (g/100cc)	Low	High	5% of Mean
0.191	**0.181**	**0.201**	**0.010**

	Reported Result	
	0.191	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

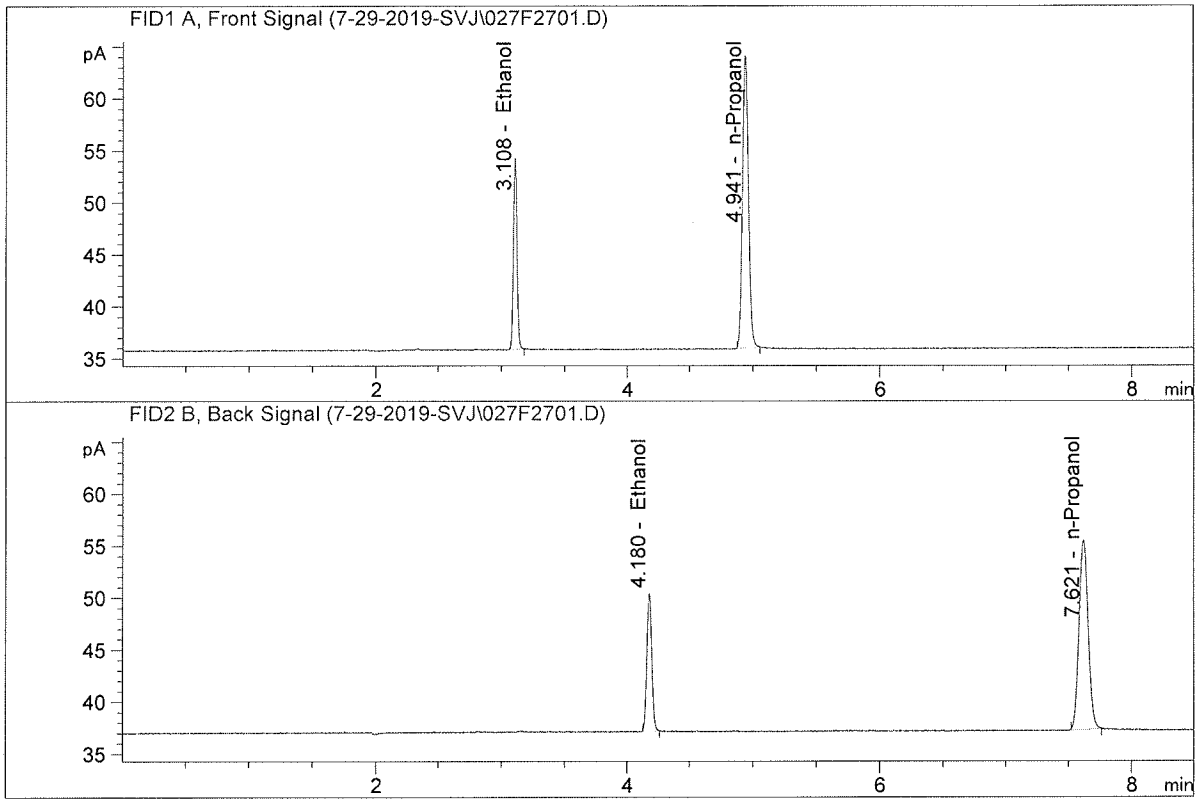
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.62015	0.1907	g/100cc
2.	Ethanol	Column 2:	36.82498	0.1914	g/100cc
3.	n-Propanol	Column 1:	94.69177	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.96045	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jul 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.06964	0.1925	g/100cc
2.	Ethanol	Column 2:	36.23634	0.1929	g/100cc
3.	n-Propanol	Column 1:	92.39319	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.70832	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 30 Jul 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1939	0.1953	0.0014	0.1946	0.1942	
(g/100cc)	0.1935	0.1944	0.0009	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
0.194	**0.184**	**0.204**	**0.010**

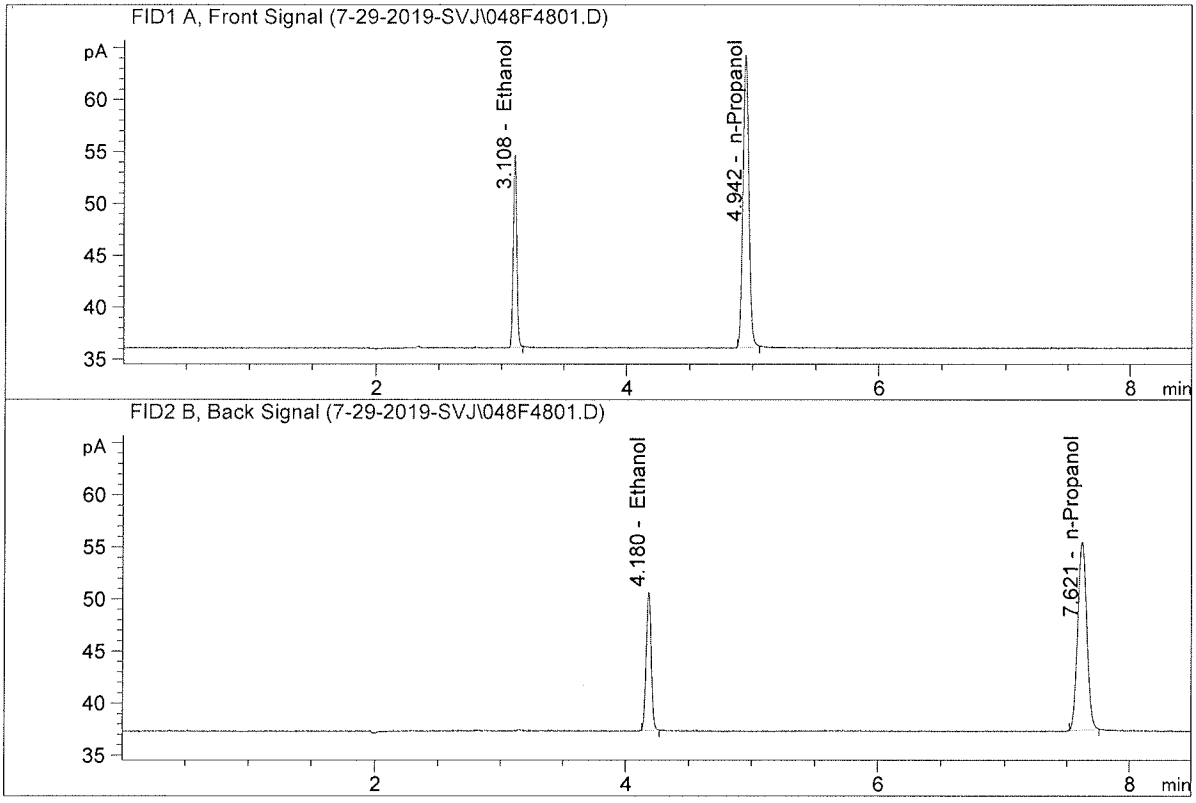
	Reported Result	
	0.194	

Calibration and control data are stored centrally.

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

ISP Forensic Services Blood Alcohol Report

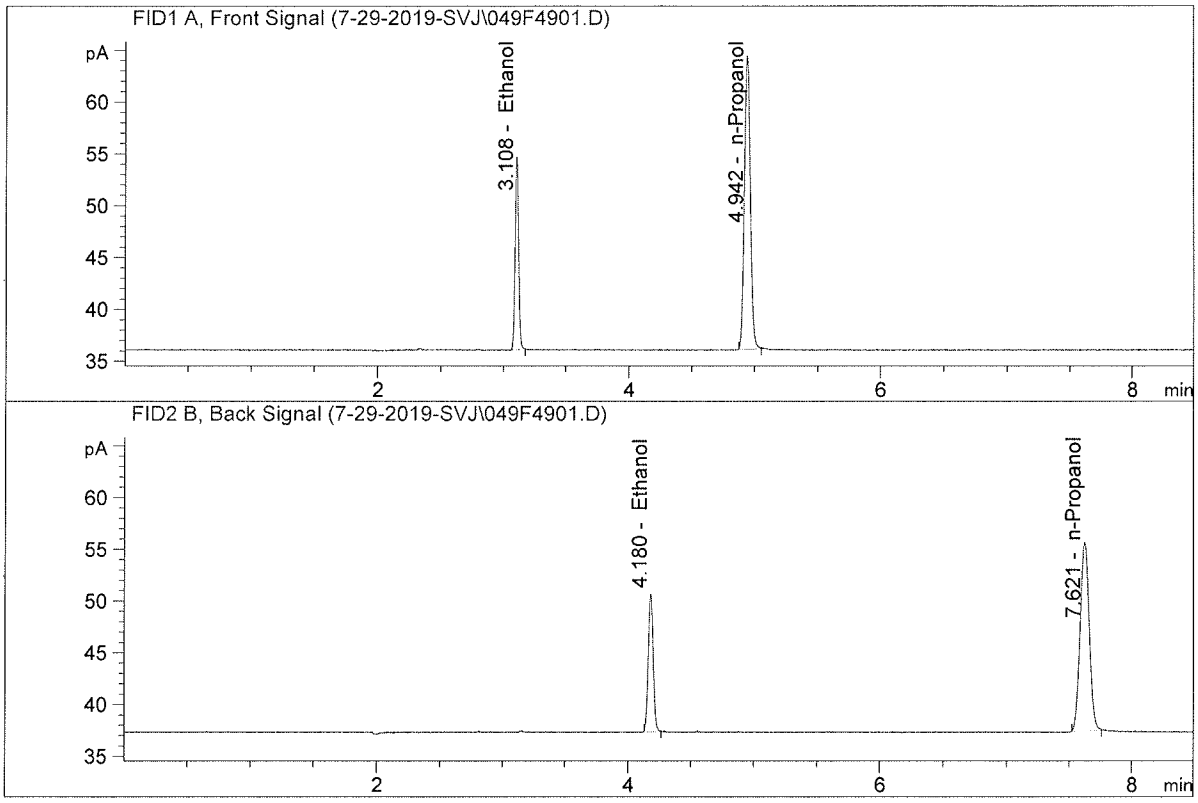
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.29609	0.1939	g/100cc
2.	Ethanol	Column 2:	36.51068	0.1953	g/100cc
3.	n-Propanol	Column 1:	92.31181	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.29322	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

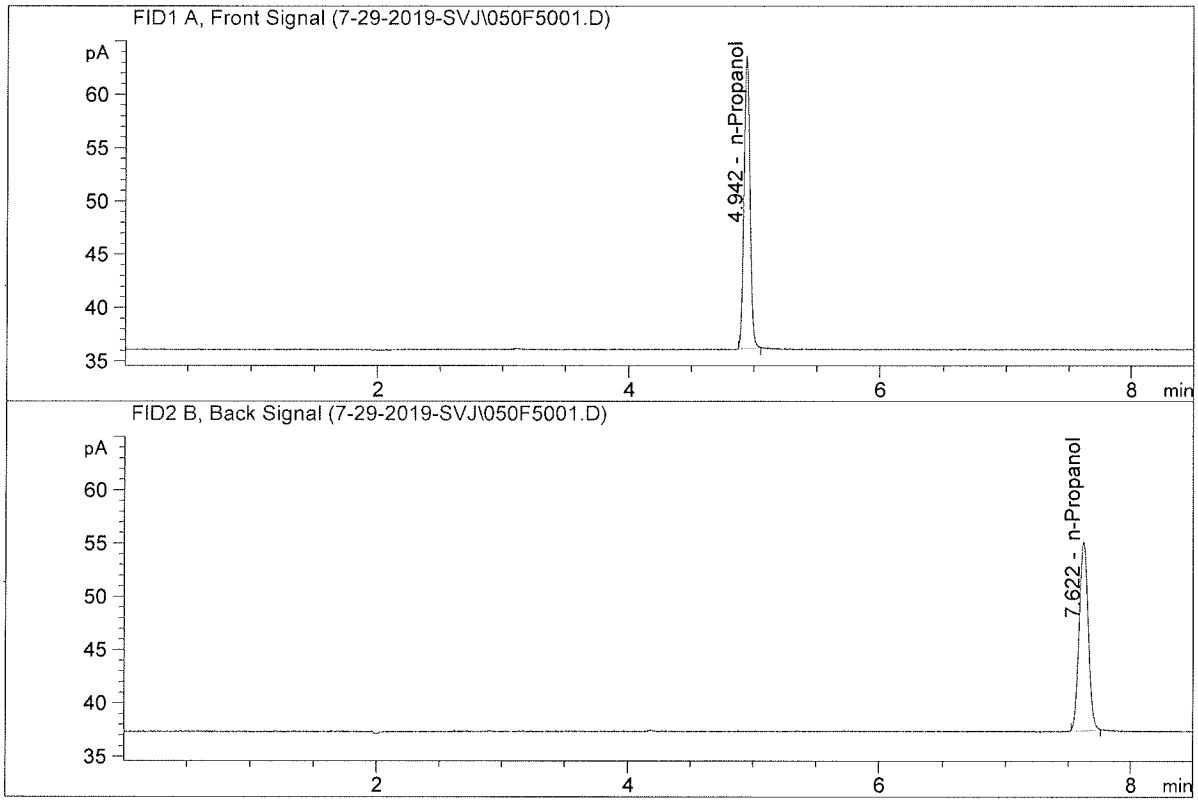
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.47803	0.1935	g/100cc
2.	Ethanol	Column 2:	36.62199	0.1944	g/100cc
3.	n-Propanol	Column 1:	92.93026	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.99879	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

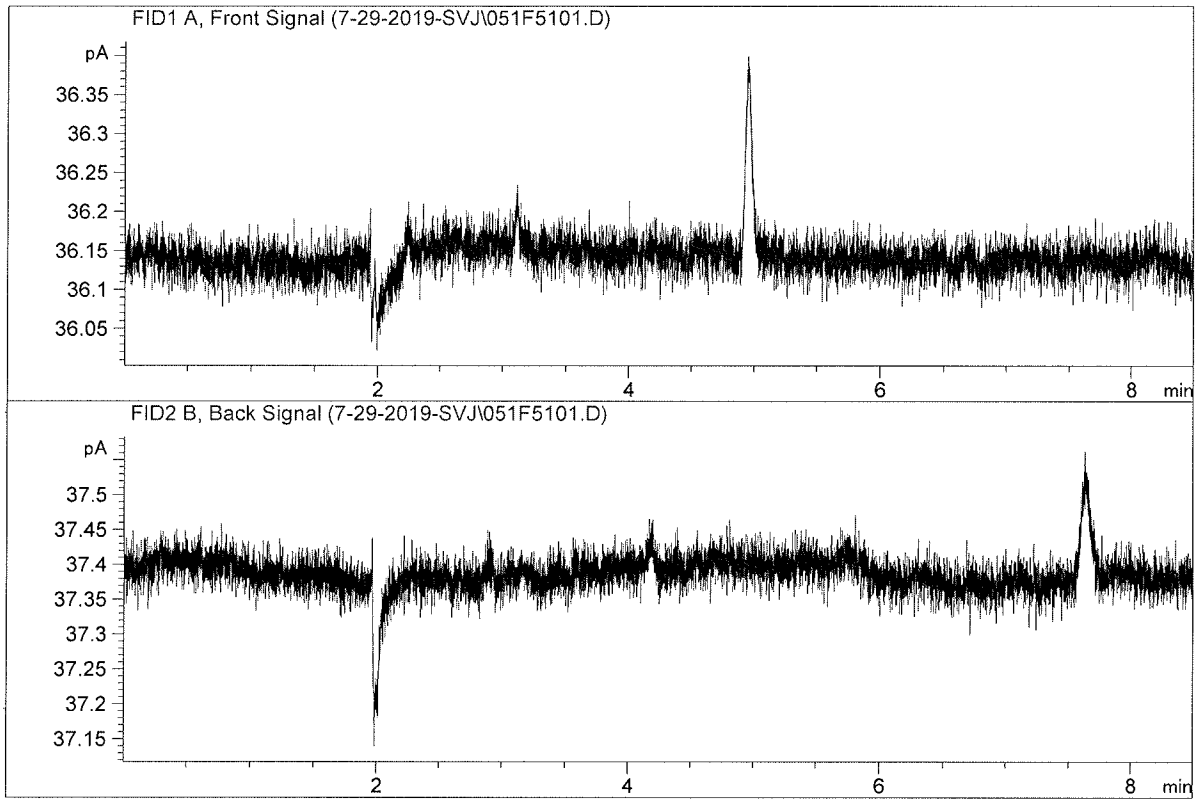
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	90.13357	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.50655	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

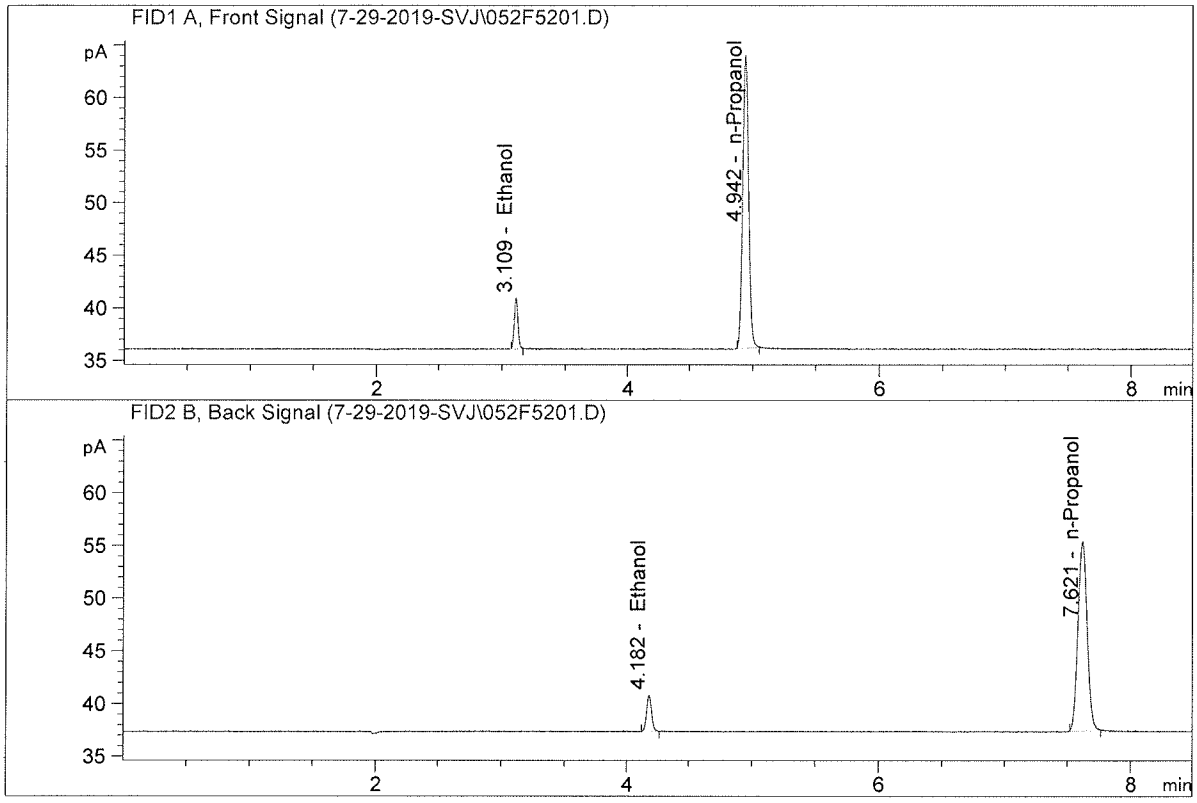
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

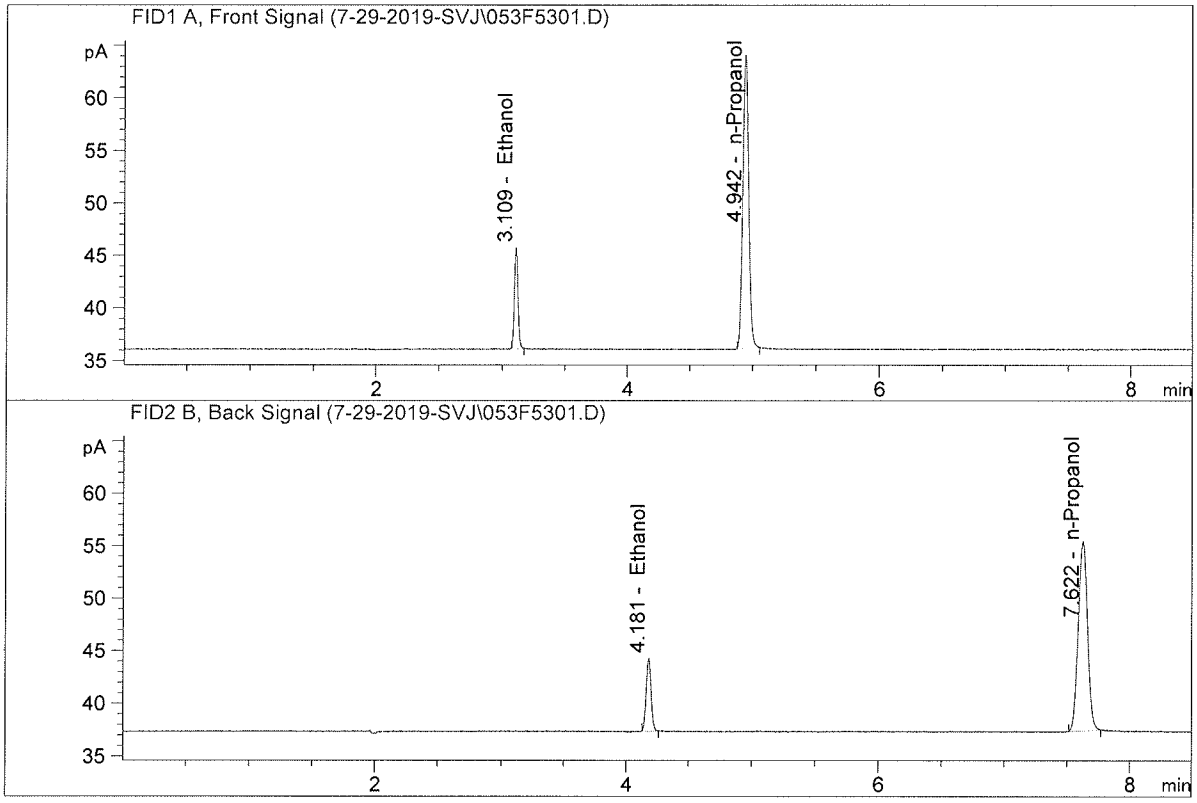


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.41445	0.0509	g/100cc
2.	Ethanol	Column 2:	9.52729	0.0514	g/100cc
3.	n-Propanol	Column 1:	91.19904	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.57018	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

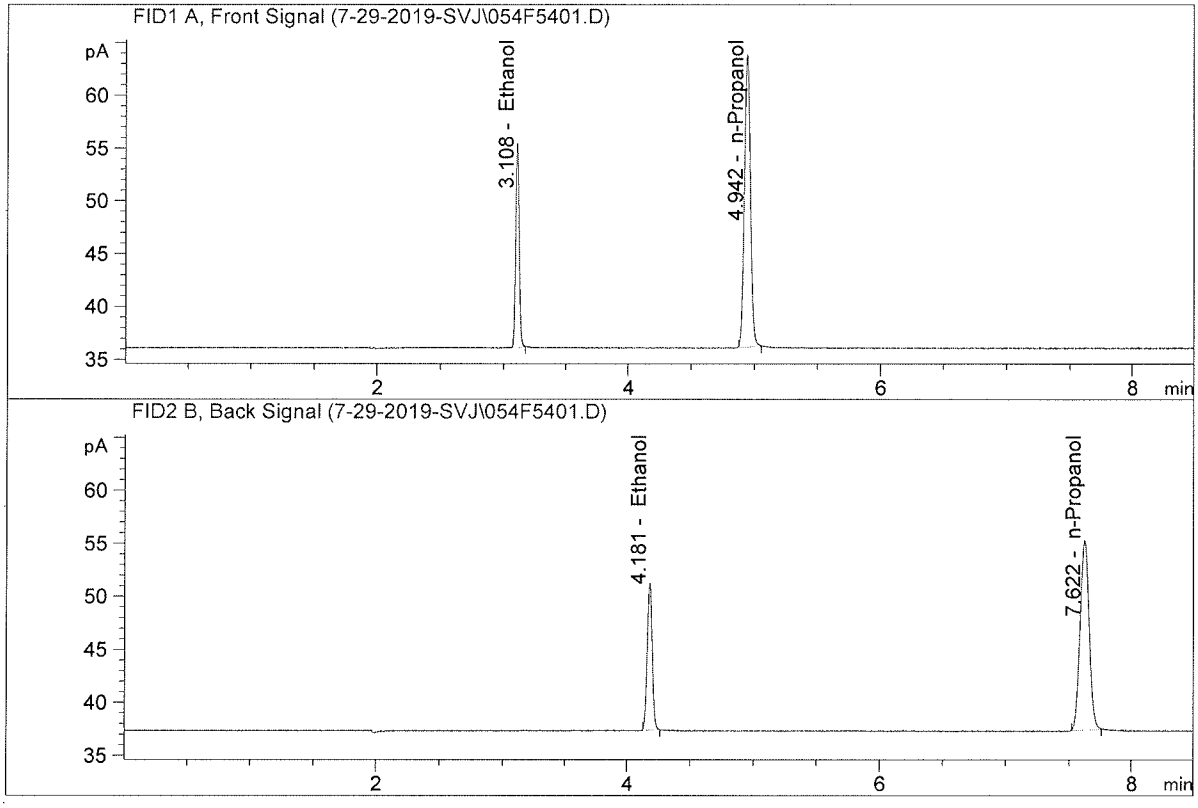
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.94904	0.1019	g/100cc
2.	Ethanol	Column 2:	18.96173	0.1017	g/100cc
3.	n-Propanol	Column 1:	91.65114	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.03646	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

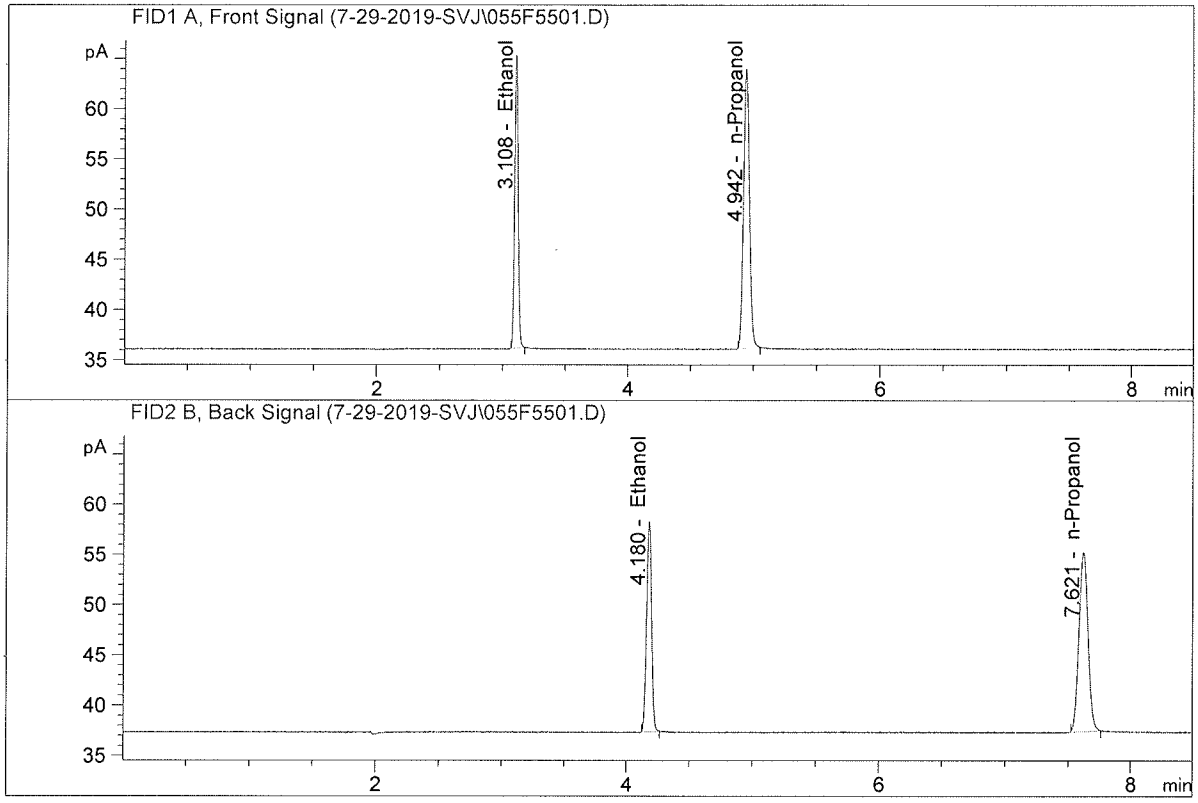
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.87340	0.2052	g/100cc
2.	Ethanol	Column 2:	37.99178	0.2058	g/100cc
3.	n-Propanol	Column 1:	91.00891	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.15602	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

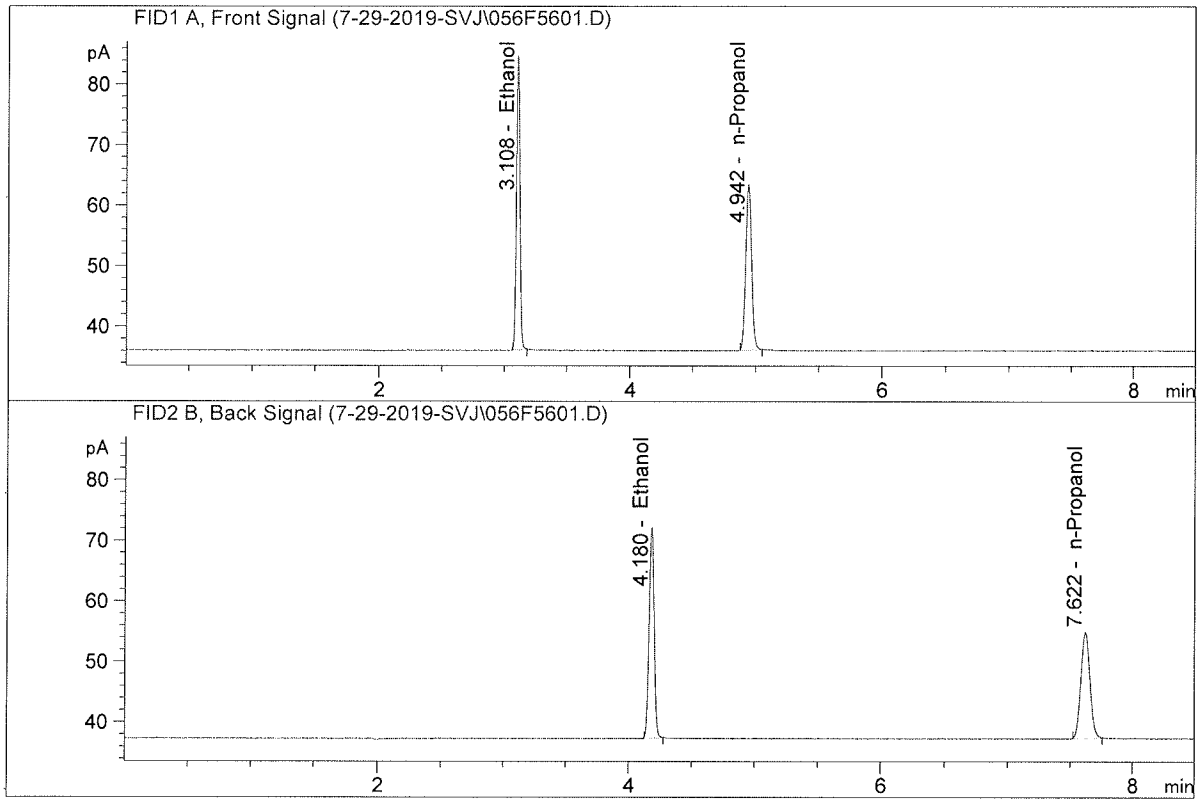


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	57.16467	0.3085	g/100cc
2.	Ethanol	Column 2:	57.39656	0.3104	g/100cc
3.	n-Propanol	Column 1:	91.35312	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.30235	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

99 0.500

Sample Name : ~~0500~~
Laboratory : Coeur d' Alene
Injection Date : Jul 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	94.49831	0.5197	g/100cc
2.	Ethanol	Column 2:	94.96318	0.5248	g/100cc
3.	n-Propanol	Column 1:	89.65388	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.36302	1.0000	g/100cc

99