APPROVED
By Rachel Cutler at 10:16 am, Oct 17, 2018

10/4/2018

Worklist: 2718

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2018-1903	1	127072	Alcohol Analysis
C2018-1904	1	127076	Alcohol Analysis
C2018-1905	1	127077	Alcohol Analysis
C2018-1906	1	127103	Alcohol Analysis
C2018-1915	1	127146	Alcohol Analysis
C2018-1928	1	127191	Alcohol Analysis
C2018-1931	1	127203	Alcohol Analysis
C2018-1932	1	127206	Alcohol Analysis
C2018-1933	1	127209	Alcohol Analysis
C2018-1946	1	127298	Alcohol Analysis
C2018-1947	1	127299	Alcohol Analysis
C2018-1960	1	127676	Alcohol Analysis
C2018-1973	1	127752	Alcohol Analysis
C2018-1997	1	128016	Alcohol Analysis
C2018-1998	1	128019	Alcohol Analysis
C2018-2002	1	128065	Alcohol Analysis
C2018-2008	1	128132	Alcohol Analysis
C2018-2018	1	128161	Alcohol Analysis
C2018-2019	1	128166	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s):10/8/2018**

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	Jan-22	1803028	0.2035	0.1832-0.2238	0.1899 g/100cc
					0.1928 g/100cc
					g/100cc
Multi-Component mixture:		**Sep-20**	**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	0.99999	**Column2**	0.99999

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jun-21	FN04271601	0.050	0.045 - 0.055	0.0490	0.0494	0.0004	0.0492
0.080							0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.0996	0.0994	0.0002	0.0995
0.200	Apr-21	FN03301601	0.200	0.180 - 0.220	0.1985	0.1985	0	0.1985
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2981	0.2992	0.0011	0.2986
0.400							0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5019	0.5013	0.0006	0.5016

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	May-22	FN04171701	0.08000	0.076 - 0.084	0.078 g/100cc

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

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_08.10.2018_02.13.53\10-8-2018.S
Data directory path: C:\Chem32\1\Data\10-8-2018-JJ
Logbook: C:\Chem32\1\Data\10-8-2018-JJ\10-8-2018.LOG
Sequence start: 10/8/2018 2:27:39 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-2-A	-	1.0000	004F0401.D		4
5	5	1	QC-2-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2018-1903-1-A	-	1.0000	008F0801.D		4
9	9	1	C2018-1903-1-B	-	1.0000	009F0901.D		4
10	10	1	C2018-1904-1-A	-	1.0000	010F1001.D		4
11	11	1	C2018-1904-1-B	-	1.0000	011F1101.D		4
12	12	1	C2018-1905-1-A	-	1.0000	012F1201.D		6
13	13	1	C2018-1905-1-B	-	1.0000	013F1301.D		6
14	14	1	C2018-1906-1-A	-	1.0000	014F1401.D		4
15	15	1	C2018-1906-1-B	-	1.0000	015F1501.D		4
16	16	1	C2018-1915-1-A	-	1.0000	016F1601.D		6
17	17	1	C2018-1915-1-B	-	1.0000	017F1701.D		4
18	18	1	C2018-1928-1-A	-	1.0000	018F1801.D		4
19	19	1	C2018-1928-1-B	-	1.0000	019F1901.D		4
20	20	1	C2018-1931-1-A	-	1.0000	020F2001.D		2
21	21	1	C2018-1931-1-B	-	1.0000	021F2101.D		2
22	22	1	C2018-1932-1-A	-	1.0000	022F2201.D		4
23	23	1	C2018-1932-1-B	-	1.0000	023F2301.D		4
24	24	1	C2018-1933-1-A	-	1.0000	024F2401.D		4
25	25	1	C2018-1933-1-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	C2018-1946-1-A	-	1.0000	028F2801.D		4
29	29	1	C2018-1946-1-B	-	1.0000	029F2901.D		4
30	30	1	C2018-1947-1-A	-	1.0000	030F3001.D		4
31	31	1	C2018-1947-1-B	-	1.0000	031F3101.D		4
32	32	1	C2018-1960-1-A	-	1.0000	032F3201.D		2
33	33	1	C2018-1960-1-B	-	1.0000	033F3301.D		2
34	34	1	C2018-1973-1-A	-	1.0000	034F3401.D		4
35	35	1	C2018-1973-1-B	-	1.0000	035F3501.D		4
36	36	1	C2018-1997-1-A	-	1.0000	036F3601.D		2
37	37	1	C2018-1997-1-B	-	1.0000	037F3701.D		2
38	38	1	C2018-1998-1-A	-	1.0000	038F3801.D		4
39	39	1	C2018-1998-1-B	-	1.0000	039F3901.D		4
40	40	1	C2018-2008-1-A	-	1.0000	040F4001.D		4
41	41	1	C2018-2008-1-B	-	1.0000	041F4101.D		4
42	42	1	C2018-2018-1-A	-	1.0000	042F4201.D		2
43	43	1	C2018-2018-1-B	-	1.0000	043F4301.D		2
44	44	1	C2018-2019-1-A	-	1.0000	044F4401.D		2
45	45	1	C2018-2019-1-B	-	1.0000	045F4501.D		2
46	46	1	C2018-2002-1-A	-	1.0000	046F4601.D		2

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_08.10.2018_02.13.53\10-8-2018.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	C2018-2002-1-B	-	1.0000	047F4701.D		2
48	48	1	QC-1-A	-	1.0000	048F4801.D		4
49	49	1	QC-1-B	-	1.0000	049F4901.D		4
50	50	1	ISTD BLANK	-	1.0000	050F5001.D		2
51	51	1	DFE STD lot#11-4	-	1.0000	051F5101.D		2
52	52	1	water	-	1.0000	052F5201.D		0

99

Calibration Table

General Calibration Setting

Calib. Data Modified : 10/8/2018 1:59:46 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

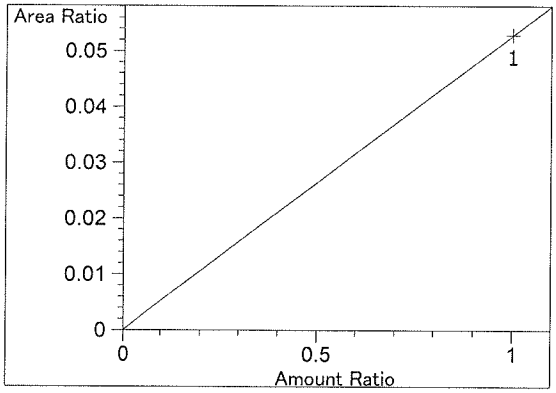
99

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.106	1	1	5.00000e-2	8.81646	5.67121e-3	No	No	1	Ethanol
		2	1.00000e-1	17.97179	5.56428e-3				
		3	2.00000e-1	35.73475	5.59679e-3				
		4	3.00000e-1	54.06088	5.54930e-3				
		5	5.00000e-1	90.70760	5.51222e-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
4.177	2	1	5.00000e-2	8.96350	5.57818e-3	No	No	2	Ethanol
		2	1.00000e-1	18.06368	5.53597e-3				
		3	2.00000e-1	35.91046	5.56941e-3				
		4	3.00000e-1	54.36005	5.51876e-3				
		5	5.00000e-1	90.75629	5.50926e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.938	1	1	1.00000	96.16935	1.03983e-2	No	Yes	1	n-Propanol
		2	1.00000	96.31005	1.03831e-2				
		3	1.00000	96.11288	1.04044e-2				
		4	1.00000	96.82870	1.03275e-2				
		5	1.00000	96.50804	1.03618e-2				
7.614	2	1	1.00000	94.61269	1.05694e-2	No	Yes	2	n-Propanol
		2	1.00000	94.81976	1.05463e-2				
		3	1.00000	94.37733	1.05958e-2				
		4	1.00000	94.80029	1.05485e-2				
		5	1.00000	94.46941	1.05854e-2				

Peak Sum Table

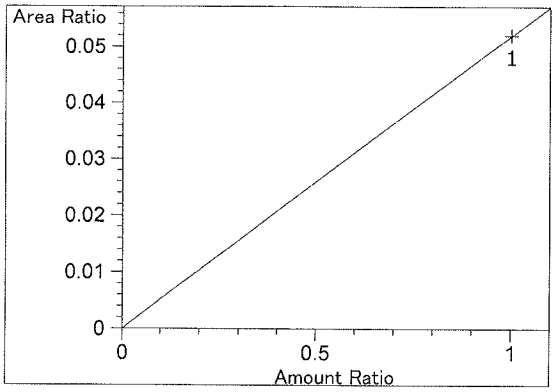
No Entries in table

Calibration Curves

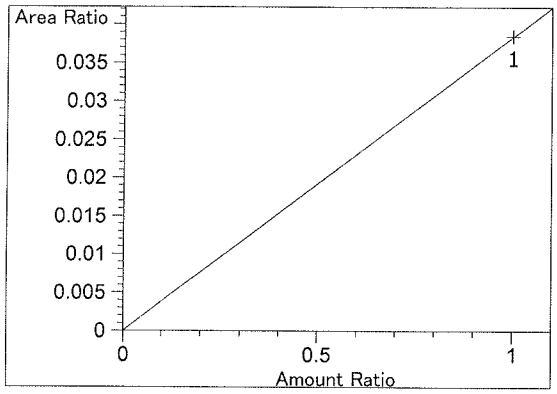


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.28470e-2
x: Amount Ratio
y: Area Ratio

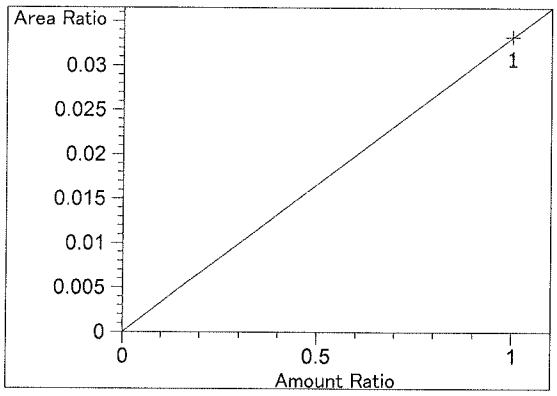
99



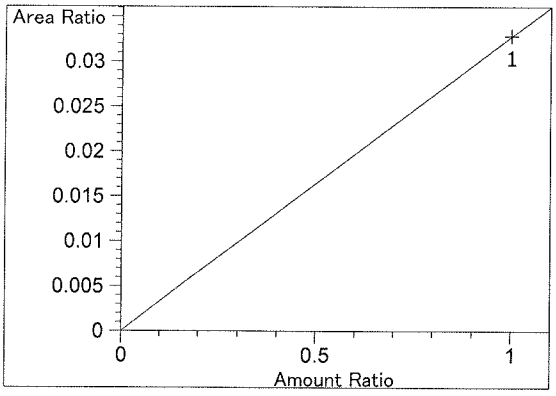
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.19916e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.84394e-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: 3.32030e-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: 3.28259e-2
x: Amount Ratio
y: Area Ratio

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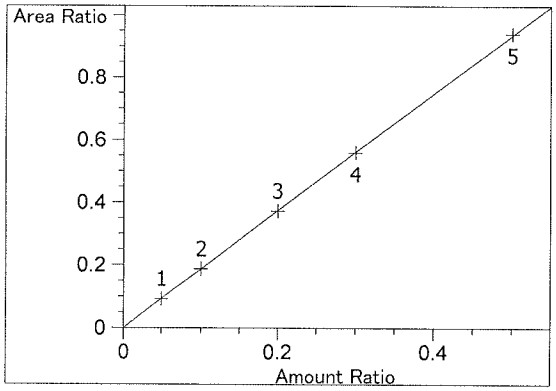
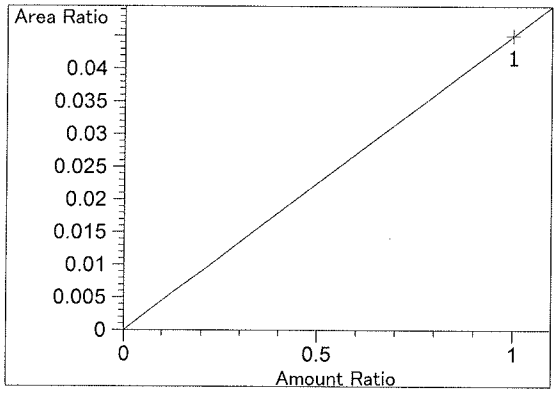
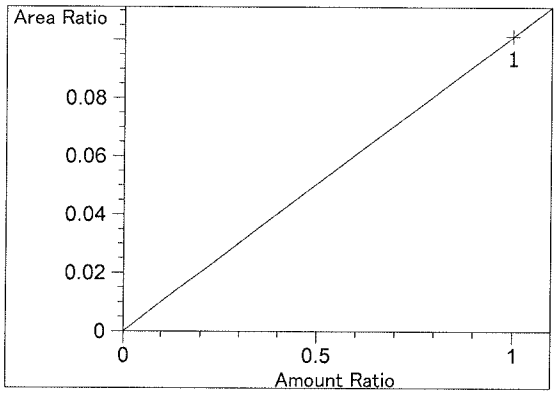


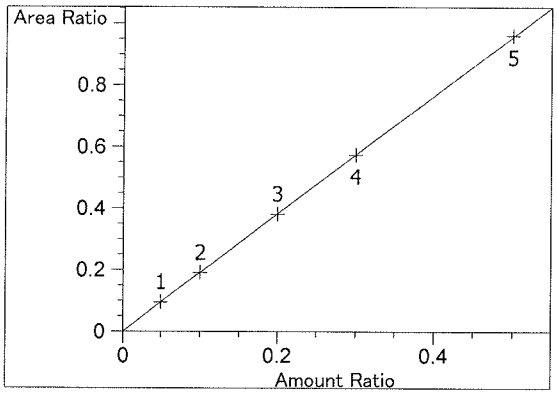
Ethanol at exp. RT: 3.106
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00302
Formula: y = mx
m: 1.87273
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.50323e-2
x: Amount Ratio
y: Area Ratio

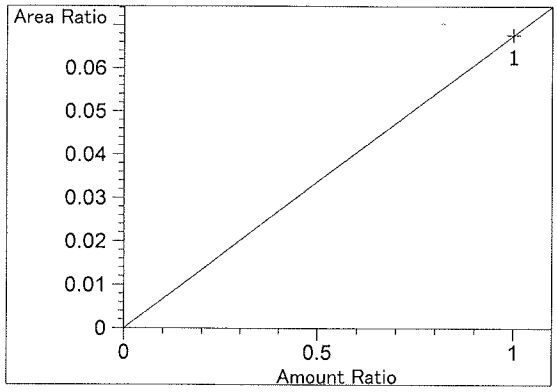


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.01181e-1
x: Amount Ratio
y: Area Ratio

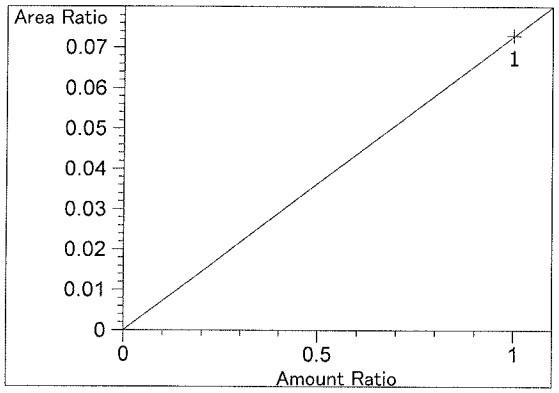


Ethanol at exp. RT: 4.177
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00216
Formula: y = mx
m: 1.91659
x: Amount Ratio
y: Area Ratio

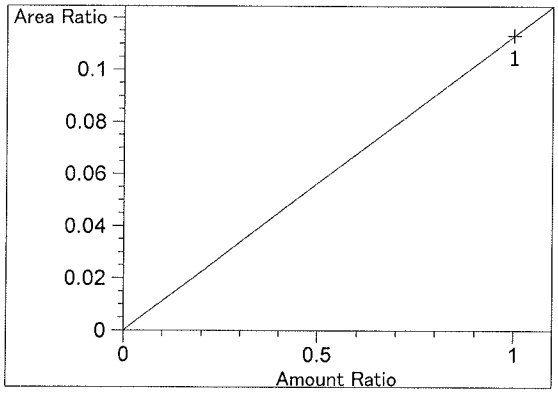
99



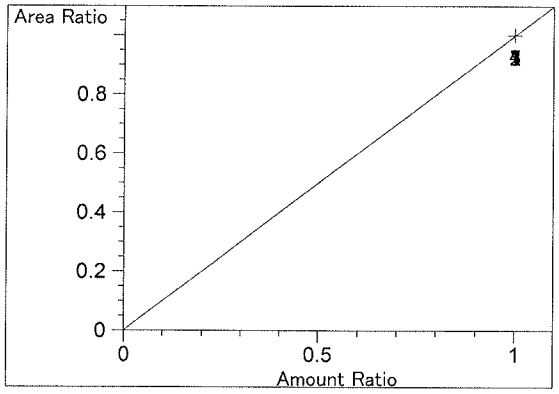
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.75829e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.28550e-2
x: Amount Ratio
y: Area Ratio

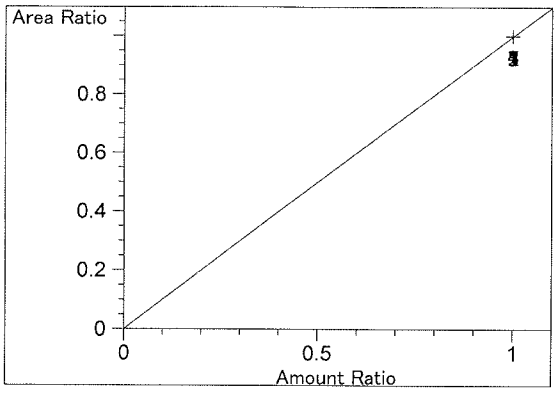


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.13160e-1
x: Amount Ratio
y: Area Ratio



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

99



n-Propanol at exp. RT: 7.614
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_08.10.2018_08.22.14\10-8-18cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_08.10.2018_08.22.14\10-8-18cal.S
Data directory path: C:\Chem32\1\Data\10-8-18calJJ
Logbook: C:\Chem32\1\Data\10-8-18calJJ\10-8-18cal.LOG
Sequence start: 10/8/2018 8:36:00 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
7	7	1	blank	-	1.0000	007F0701.D		2
8	8	1	blank	-	1.0000	008F0801.D		6
9	9	1	blank	-	1.0000	009F0901.D		6
10	10	1	blank	-	1.0000	010F1001.D		3
11	11	1	blank	-	1.0000	011F1101.D		6
12	12	1	blank	-	1.0000	012F1201.D		6
13	13	1	blank	-	1.0000	013F1301.D		6
14	14	1	blank	-	1.0000	014F1401.D		4
15	15	1	blank	-	1.0000	015F1501.D		4
16	16	1	blank	-	1.0000	016F1601.D		4
17	17	1	blank	-	1.0000	017F1701.D		4
18	18	1	blank	-	1.0000	018F1801.D		4
19	19	1	blank	-	1.0000	019F1901.D		2
20	20	1	0.05	-	1.0000	020F2001.D	*	4
21	21	1	0.100	-	1.0000	021F2101.D	*	4
22	22	1	0.200	-	1.0000	022F2201.D	*	4
23	23	1	0.300	-	1.0000	023F2301.D	*	4
24	24	1	0.500	-	1.0000	024F2401.D	*	4
25	25	1	blank	-	1.0000	025F2501.D		2

new H_2 Tank

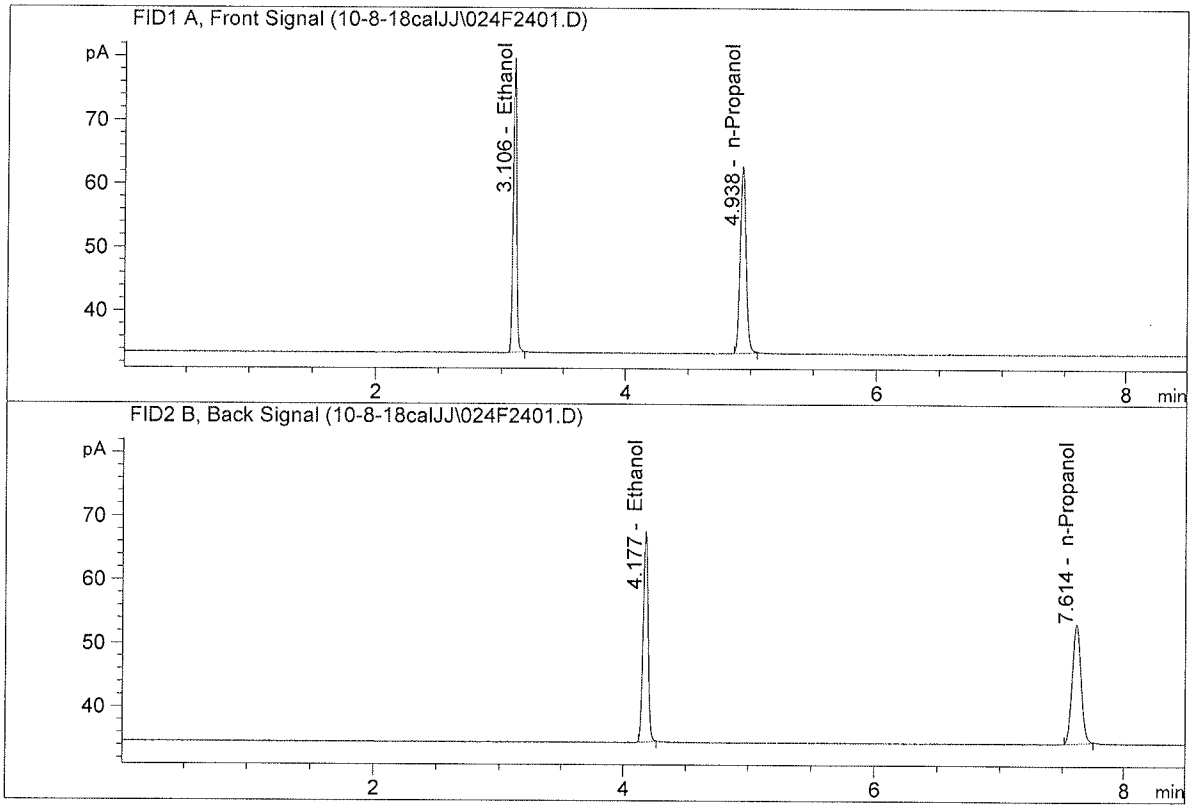
equilibration Samples

99

99

ISP Forensic Services Blood Alcohol Report

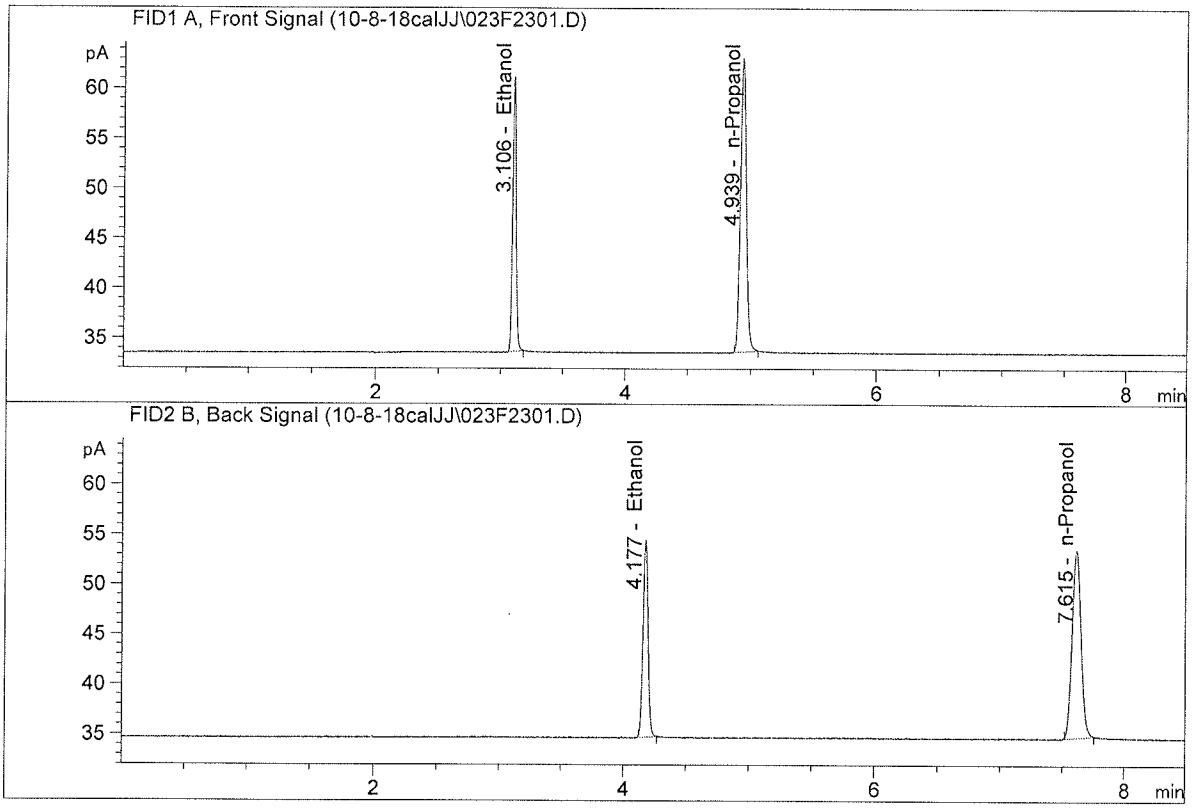
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.70760	0.5019	g/100cc
2.	Ethanol	Column 2:	90.75629	0.5013	g/100cc
3.	n-Propanol	Column 1:	96.50804	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.46941	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

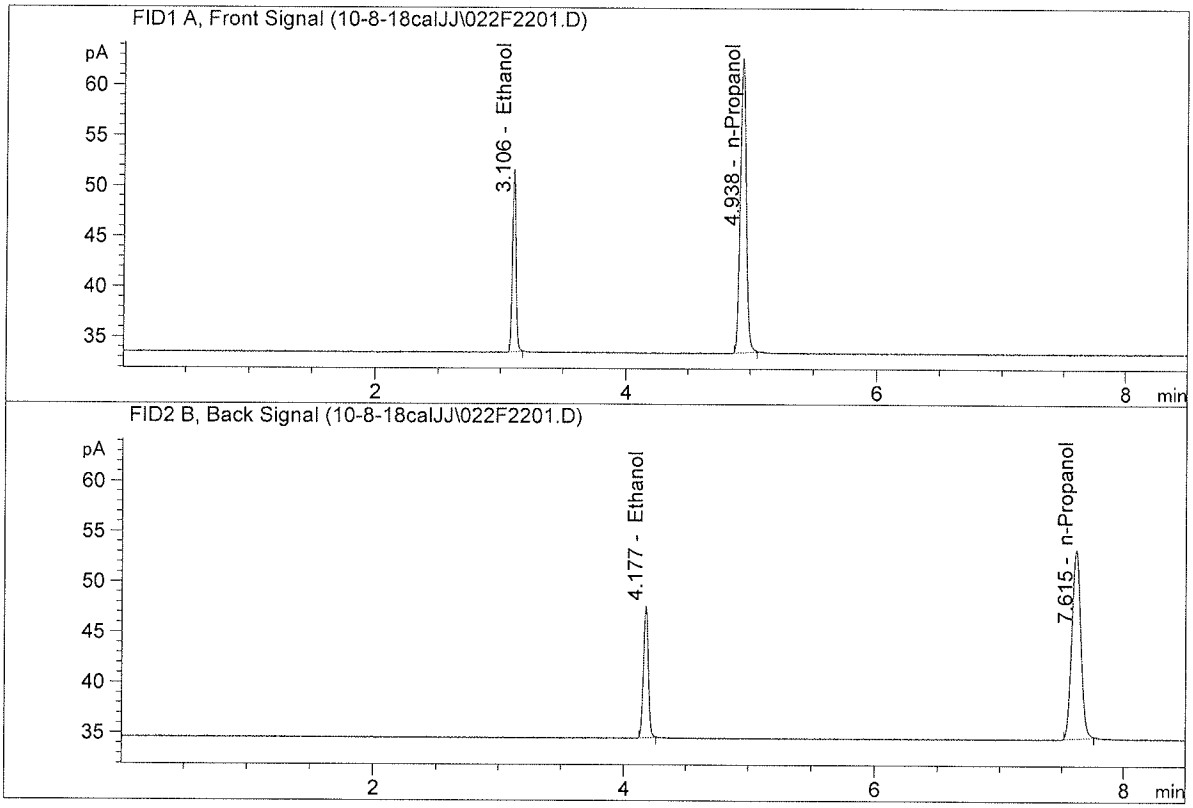
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.06088	0.2981	g/100cc
2.	Ethanol	Column 2:	54.36005	0.2992	g/100cc
3.	n-Propanol	Column 1:	96.82870	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.80029	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

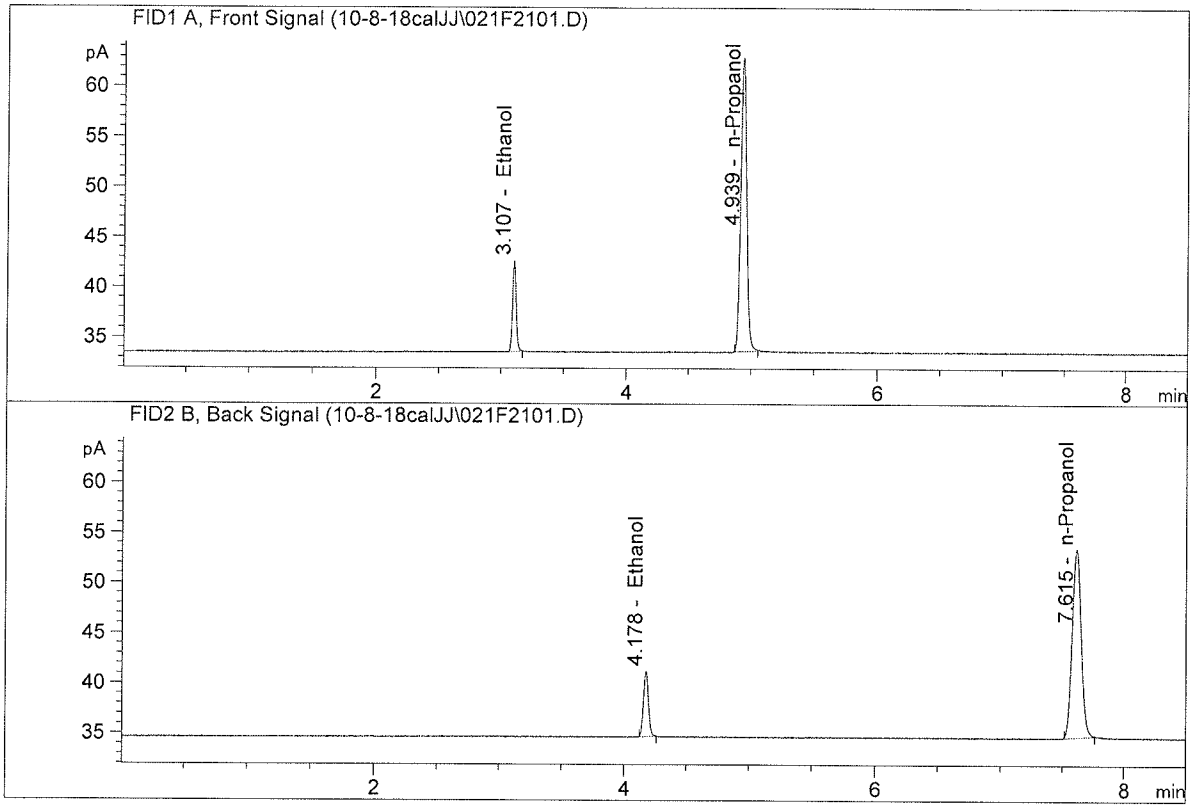


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.73475	0.1985	g/100cc
2.	Ethanol	Column 2:	35.91046	0.1985	g/100cc
3.	n-Propanol	Column 1:	96.11288	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.37733	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

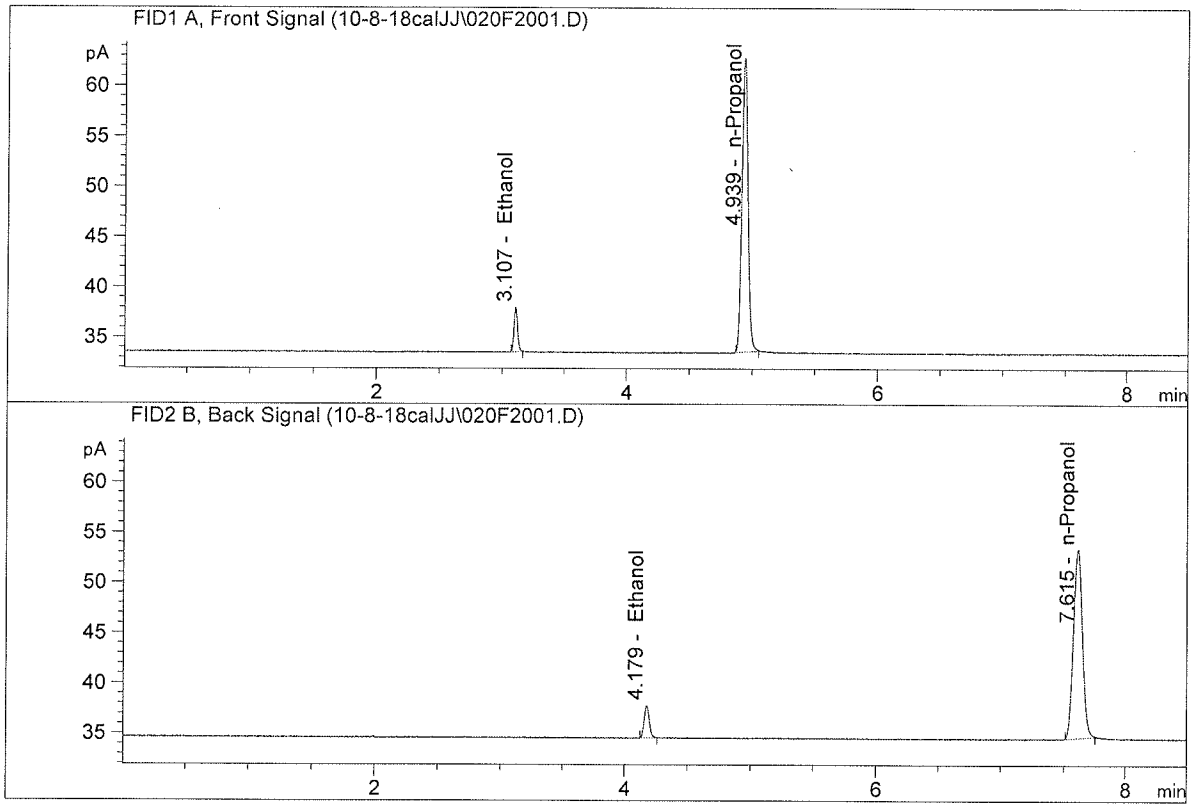


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.97179	0.0996	g/100cc
2.	Ethanol	Column 2:	18.06368	0.0994	g/100cc
3.	n-Propanol	Column 1:	96.31005	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.81976	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

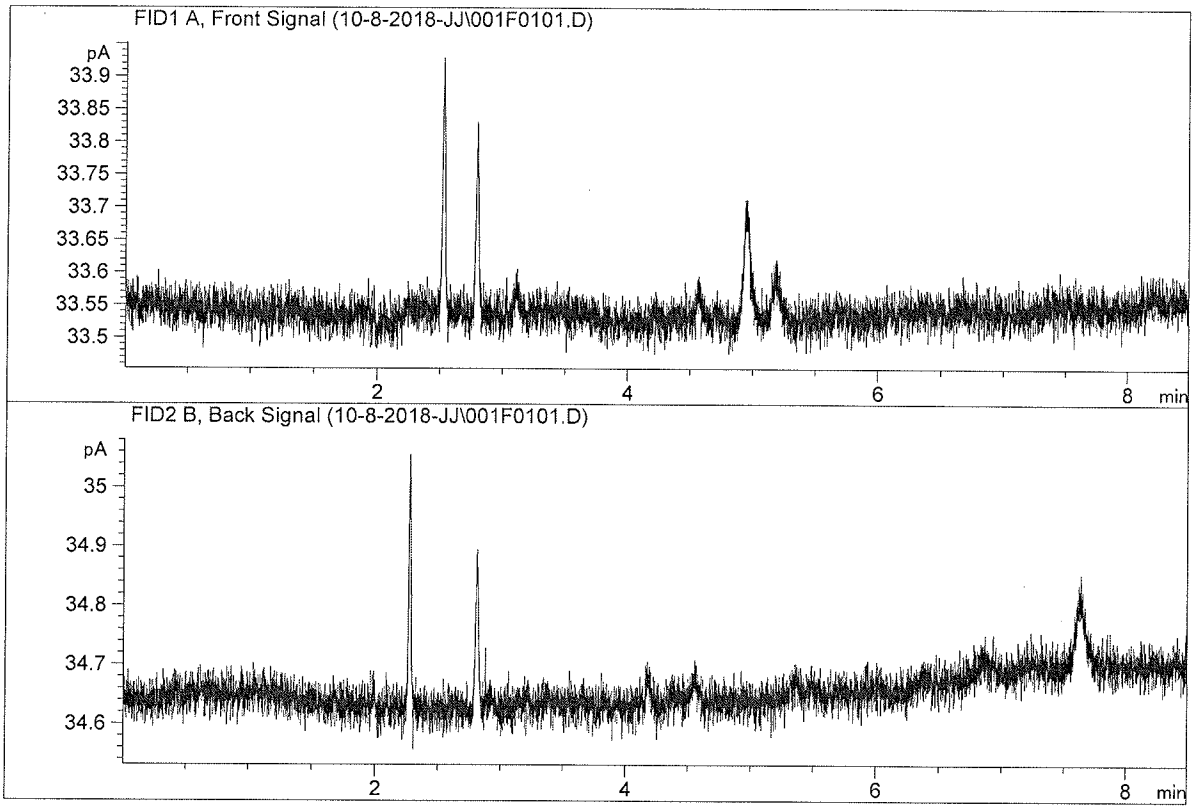


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.81646	0.0490	g/100cc
2.	Ethanol	Column 2:	8.96350	0.0494	g/100cc
3.	n-Propanol	Column 1:	96.16935	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.61269	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

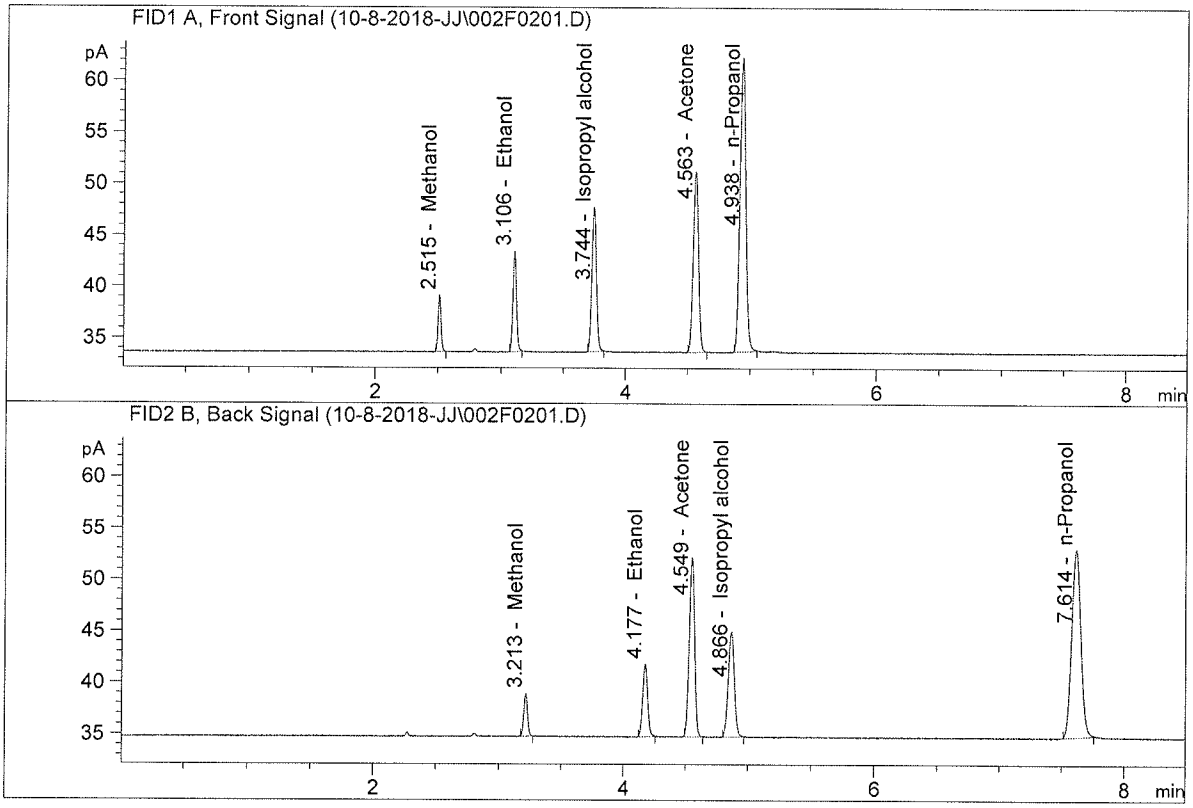


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

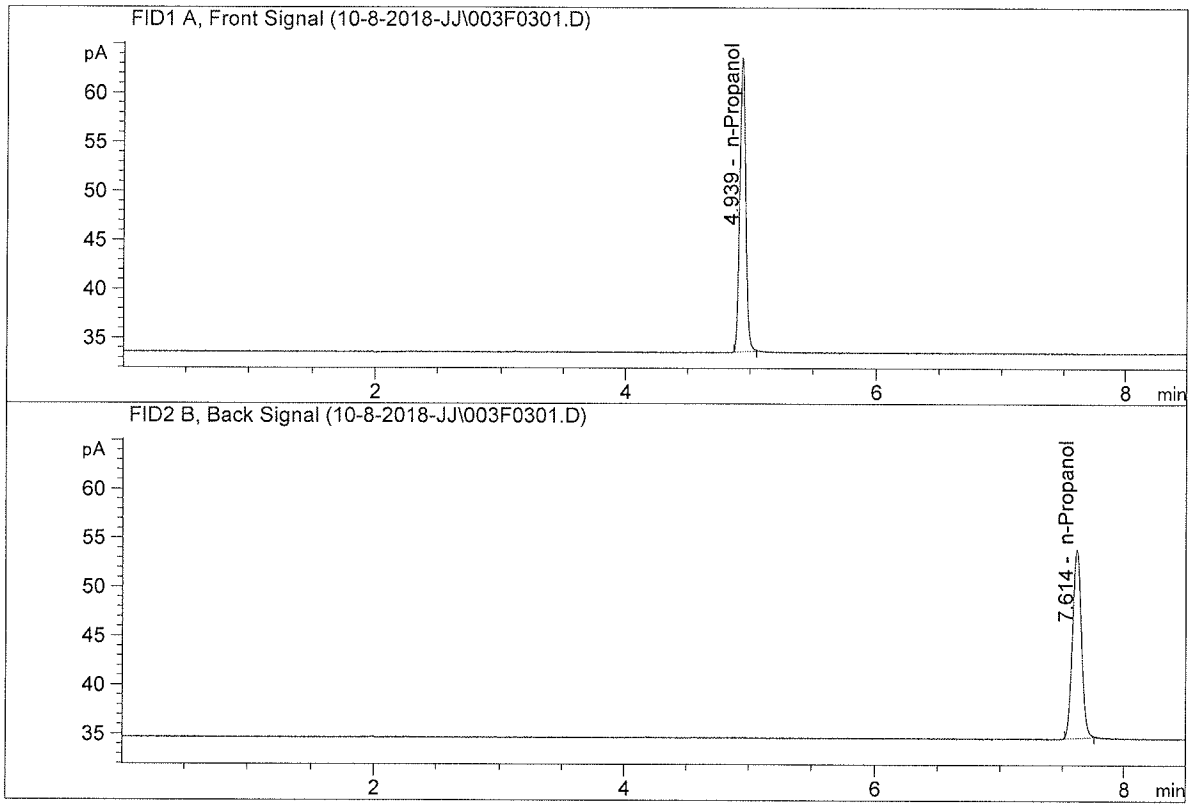
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.29244	0.1098	g/100cc
2.	Ethanol	Column 2:	19.47397	0.1103	g/100cc
3.	n-Propanol	Column 1:	93.78285	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.14766	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 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:	98.65409	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.26777	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 08 Oct 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1898	0.1896	0.0002	0.1897	0.1899	
(g/100cc)	0.1903	0.1899	0.0004	0.1901		

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
0.189	**0.179**	**0.199**	**0.010**

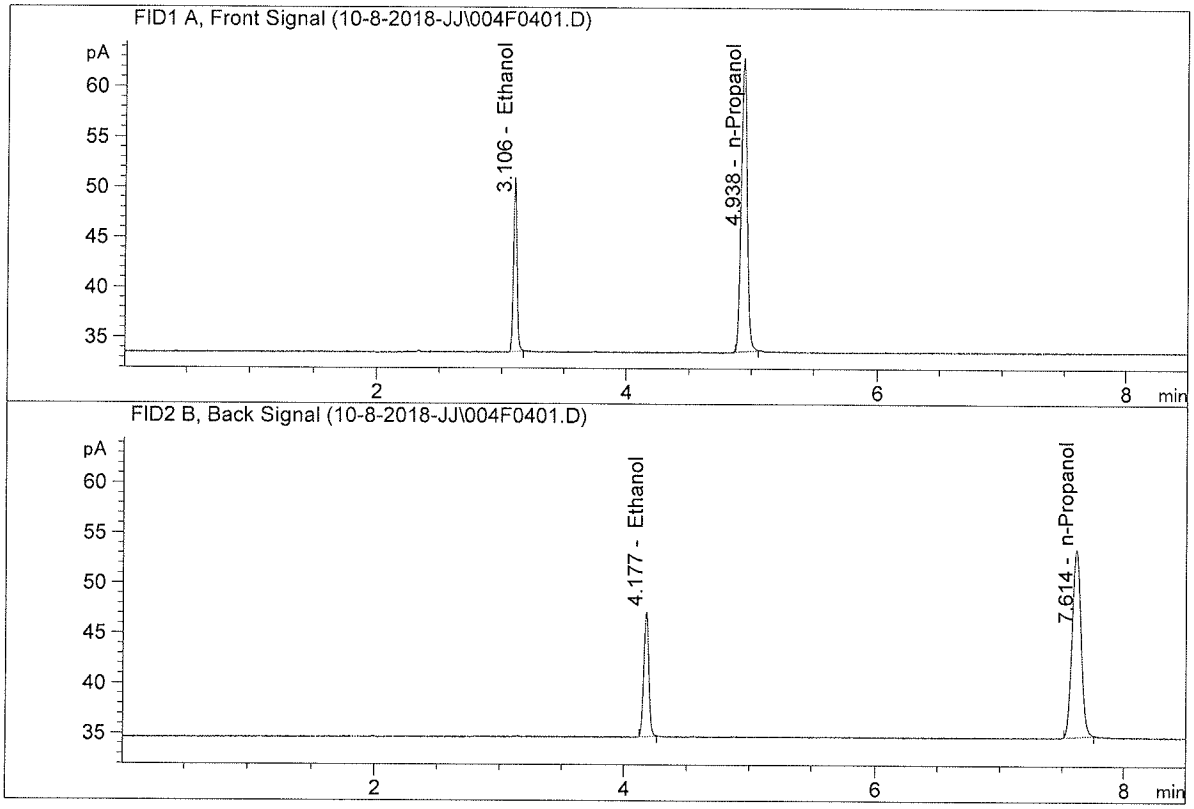
Reported Result

0.189

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

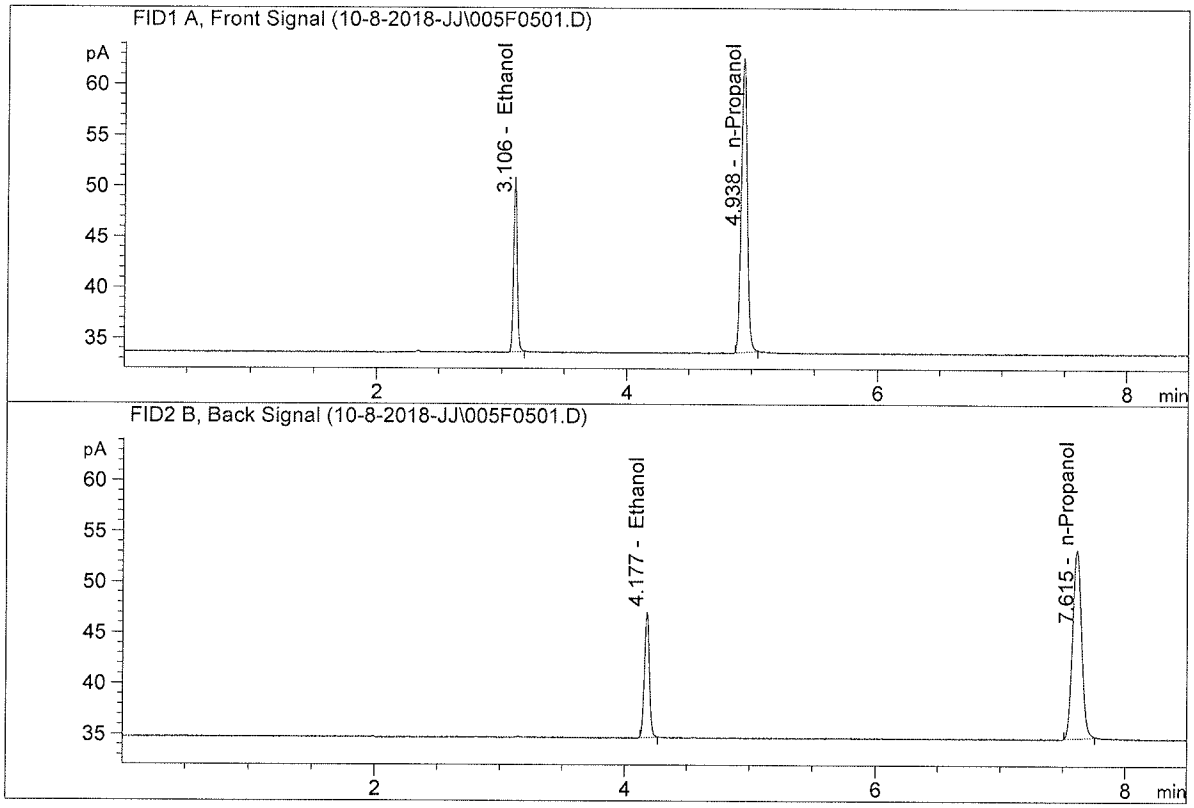
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.24696	0.1898	g/100cc
2.	Ethanol	Column 2:	34.39608	0.1896	g/100cc
3.	n-Propanol	Column 1:	96.36875	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.65554	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.98283	0.1903	g/100cc
2.	Ethanol	Column 2:	34.10875	0.1899	g/100cc
3.	n-Propanol	Column 1:	95.37468	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.71201	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 08 Oct 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0786	0.0000	0.0786	0.0782	
(g/100cc)	0.0779	0.0777	0.0002	0.0778		

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%

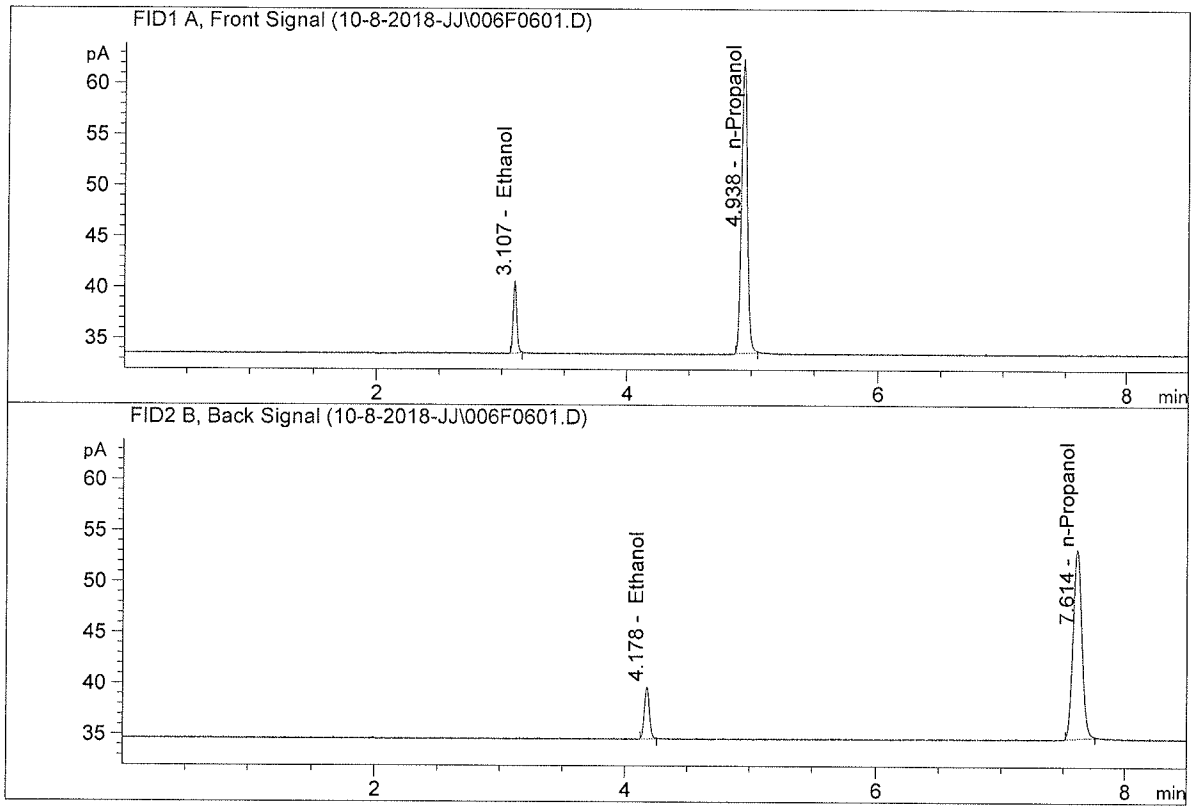
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	**0.074**	**0.082**	**0.004**

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

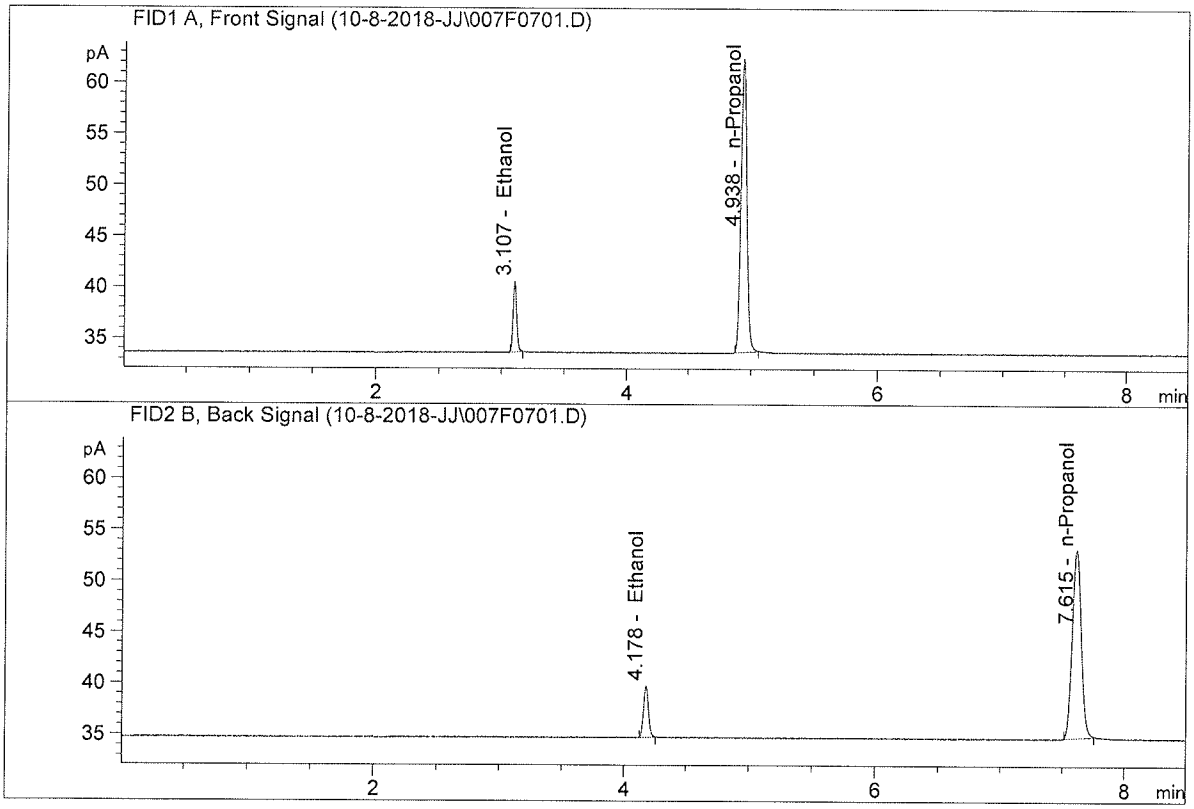
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.98157	0.0786	g/100cc
2.	Ethanol	Column 2:	14.08140	0.0786	g/100cc
3.	n-Propanol	Column 1:	95.02217	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.53015	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.80416	0.0779	g/100cc
2.	Ethanol	Column 2:	13.84504	0.0777	g/100cc
3.	n-Propanol	Column 1:	94.61356	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.96838	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 08 Oct 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1936	0.1926	0.0010	0.1931	0.1928	
(g/100cc)	0.1929	0.1921	0.0008	0.1925		

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
0.192	**0.182**	**0.202**	**0.010**

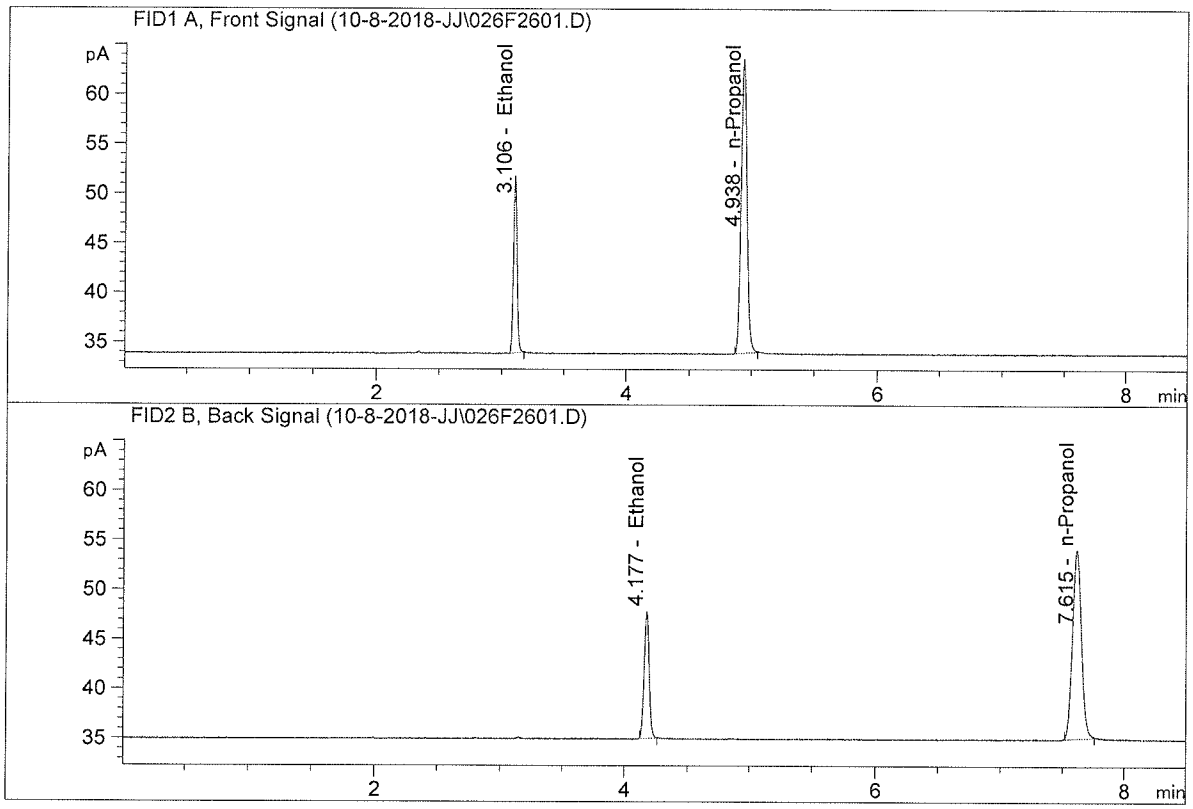
Reported Result

0.192

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

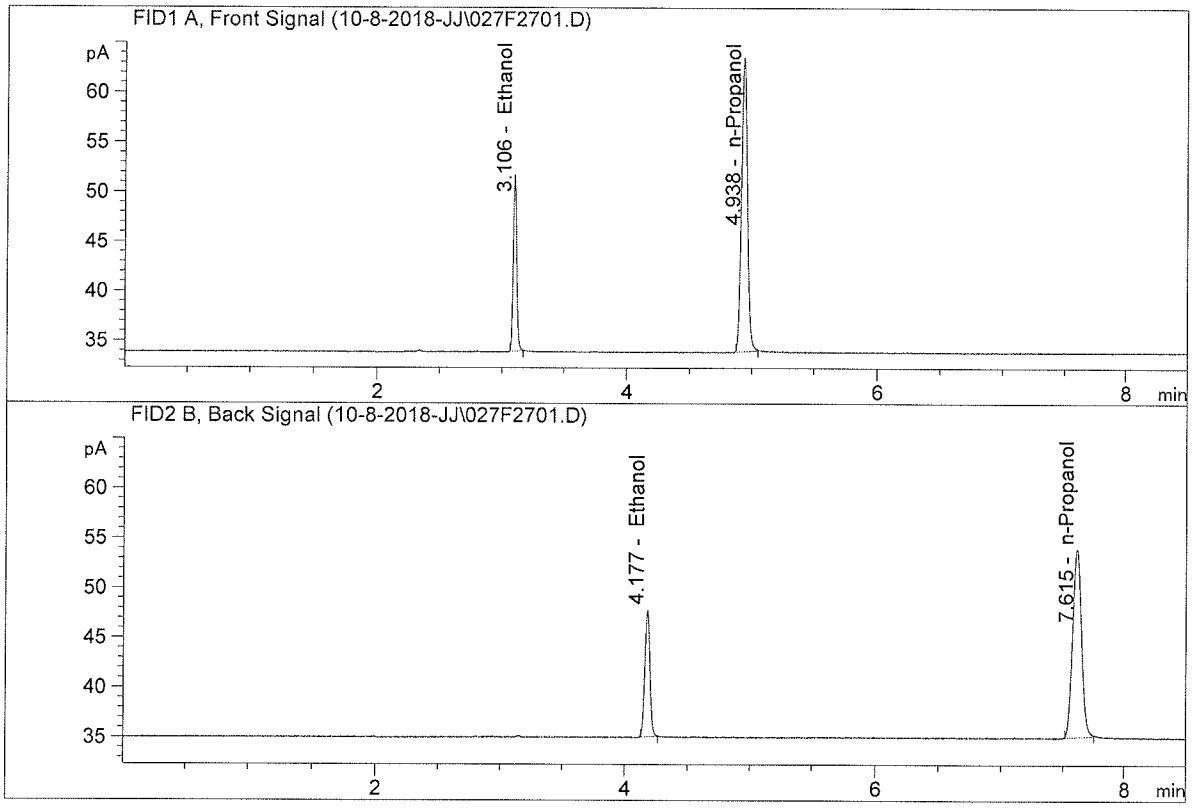


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.32177	0.1936	g/100cc
2.	Ethanol	Column 2:	35.39890	0.1926	g/100cc
3.	n-Propanol	Column 1:	97.41742	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.91479	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.09951	0.1929	g/100cc
2.	Ethanol	Column 2:	35.17746	0.1921	g/100cc
3.	n-Propanol	Column 1:	97.14158	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.54166	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 08 Oct 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0787	0.0784	0.0003	0.0785	0.0783	
(g/100cc)	0.0784	0.0777	0.0007	0.0780		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

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

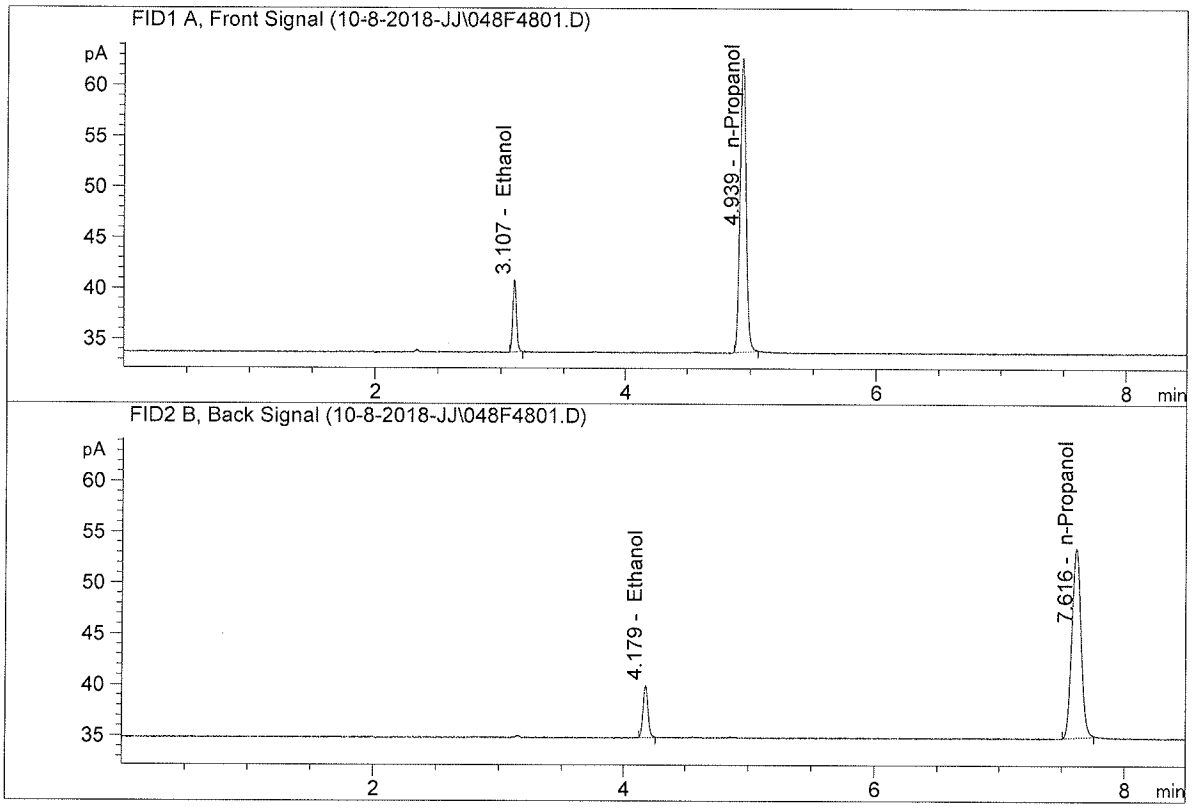
Reported Result

0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

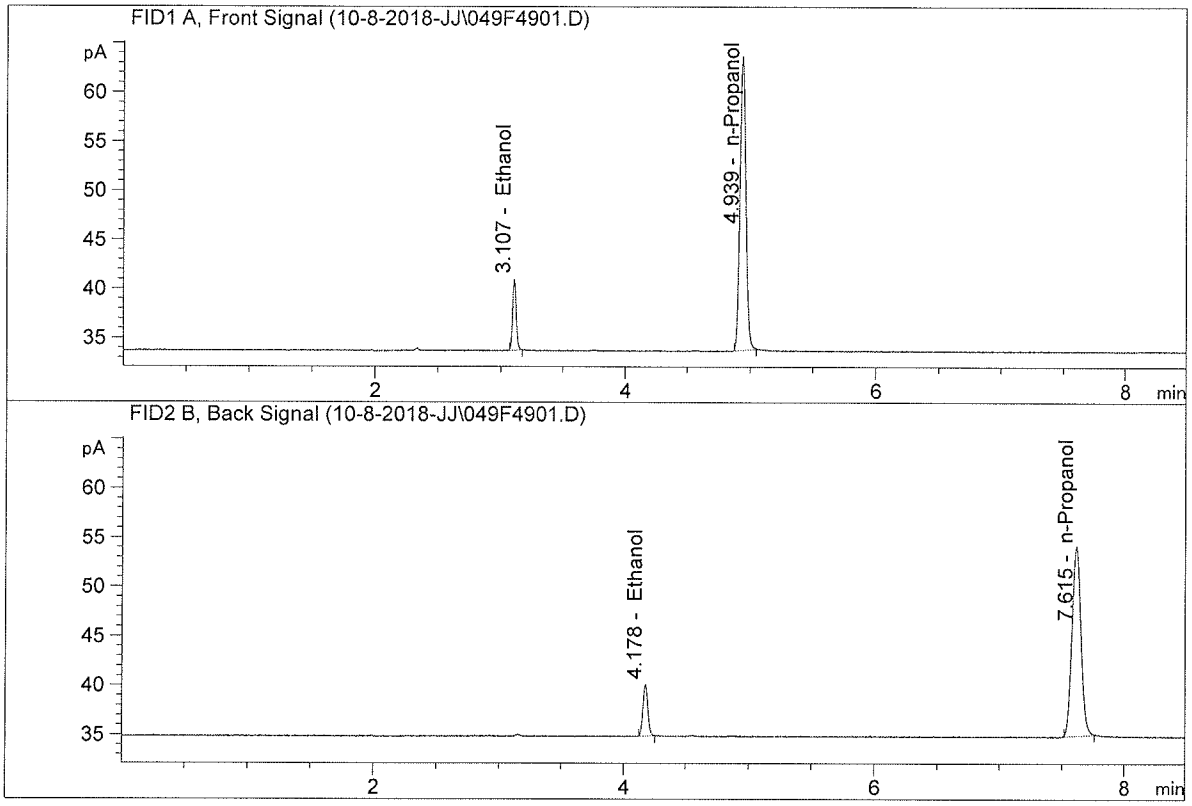


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.09629	0.0787	g/100cc
2.	Ethanol	Column 2:	14.15035	0.0784	g/100cc
3.	n-Propanol	Column 1:	95.63763	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.11277	1.0000	g/100cc

97

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

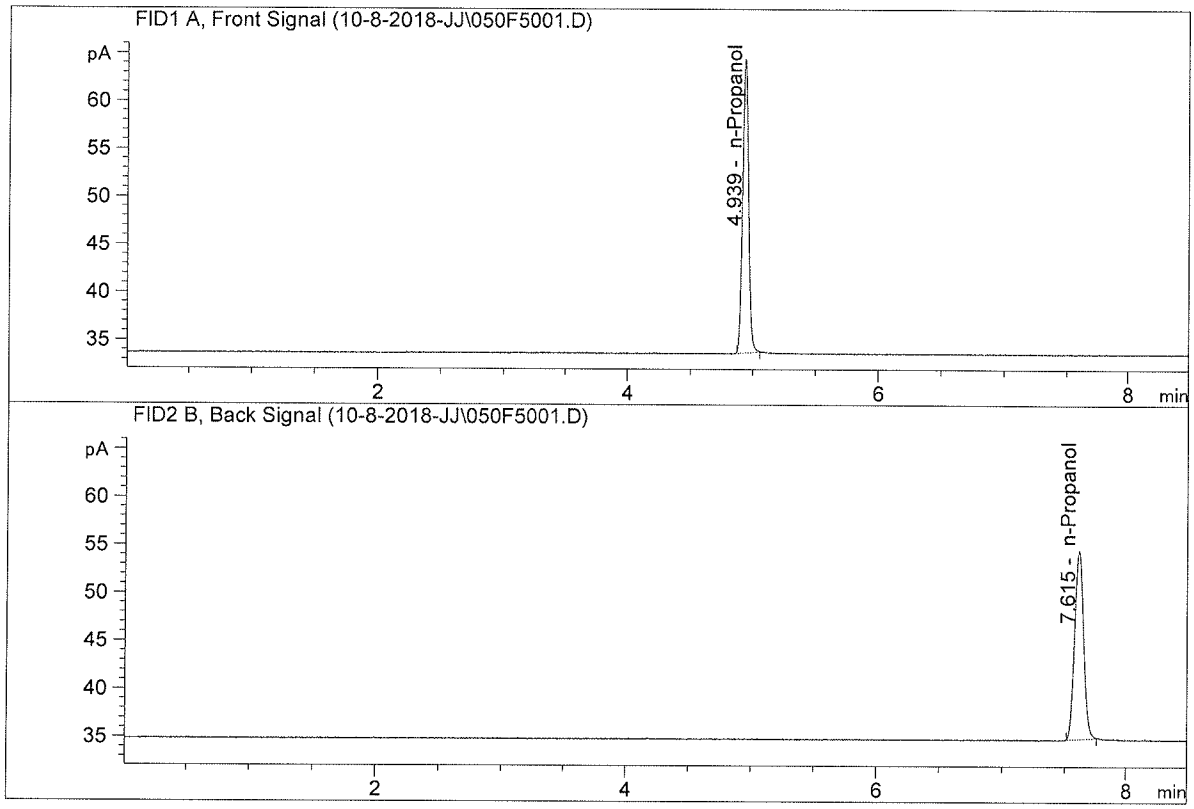


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.41253	0.0784	g/100cc
2.	Ethanol	Column 2:	14.42027	0.0777	g/100cc
3.	n-Propanol	Column 1:	98.15109	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.86533	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

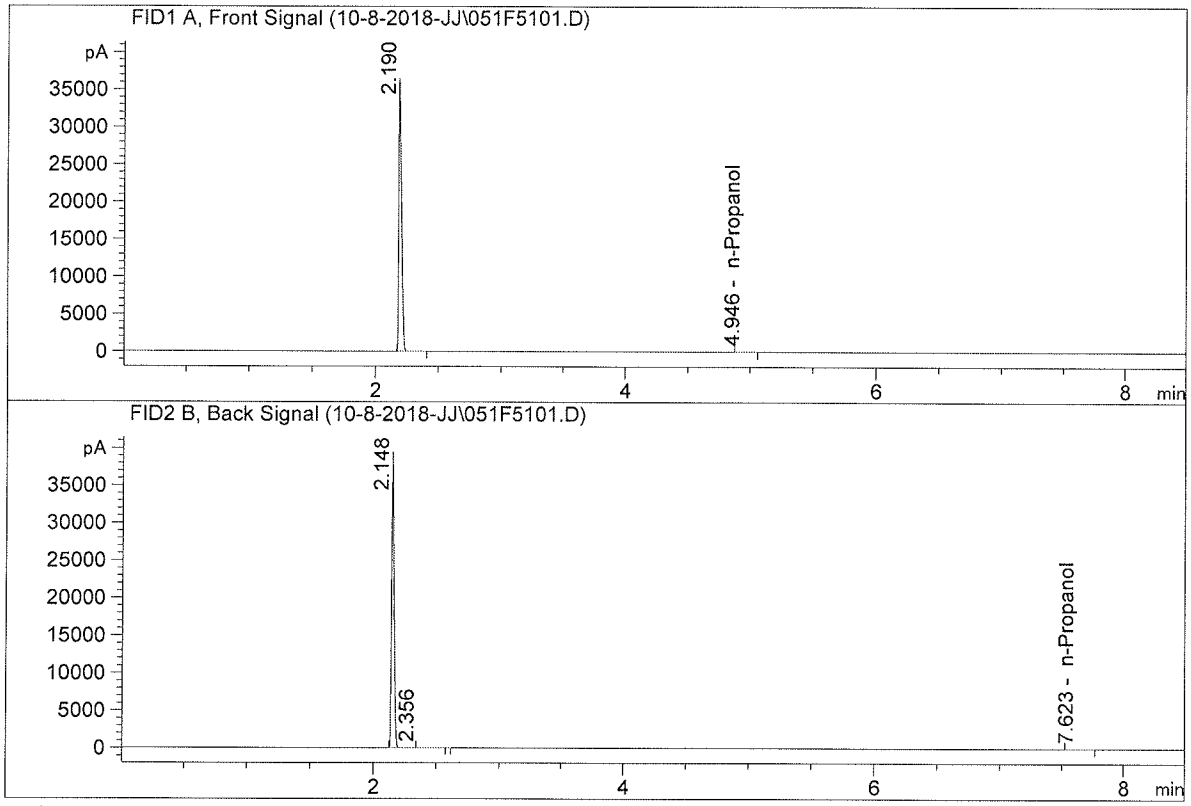
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	101.01259	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.63245	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE STD lot#11-4-10
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 2018
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

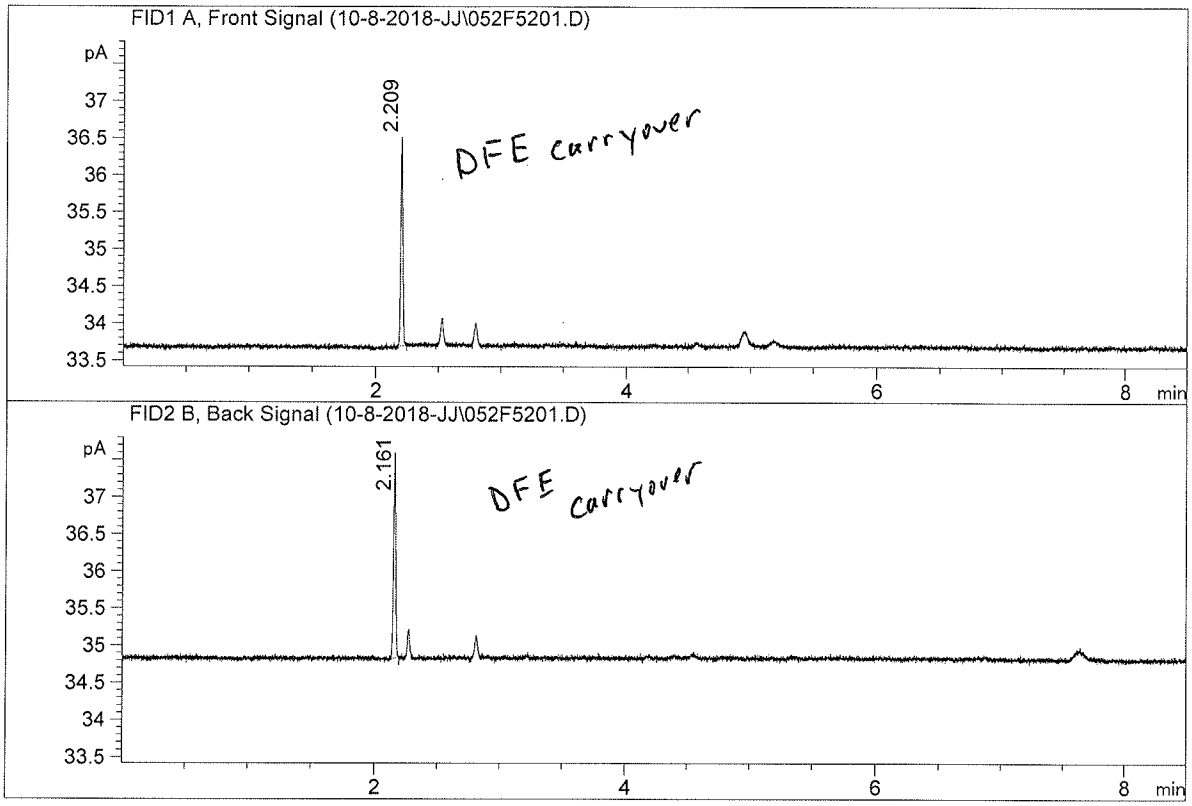


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	124.08002	1.0000	g/100cc
4.	n-Propanol	Column 2:	121.77782	1.0000	g/100cc

89

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Oct 8, 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