


















Worklist: 3938

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2019-2335	2	BCK	Alcohol Analysis	
C2019-2345	1	BCK	Alcohol Analysis	
C2019-2351	1	BCK	Alcohol Analysis	
C2019-2358	1	BCK	Alcohol Analysis	
C2019-2394	1	BCK	Alcohol Analysis	
C2019-2408	1	BCK	Alcohol Analysis	
C2019-2409	1	BCK	Alcohol Analysis	
C2019-2423	1	BCK	Alcohol Analysis	
C2019-2429	1	BCK	Alcohol Analysis	
C2019-2454	1	BCK	Alcohol Analysis	
C2019-2459	1	BCK	Alcohol Analysis	
C2019-2465	1	BCK	Alcohol Analysis	
C2020-0008	1	BCK	Alcohol Analysis	
C2020-0020	1	BCK	Alcohol Analysis	
C2020-0021	1	BCK	Alcohol Analysis	
C2020-0031	1	BCK	Alcohol Analysis	
C2020-0032	1	BCK	Alcohol Analysis	
C2020-0054	1	BCK	Alcohol Analysis	
C2020-0055	1	BCK	Alcohol Analysis	
C2020-0056	1	BCK	Alcohol Analysis	
C2020-0074	1	BCK	Alcohol Analysis	

99<sup>1</sup>

**Worklist: 3938**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
C2020-0075	1	BCK	Alcohol Analysis
C2020-0079	1	BCK	Alcohol Analysis



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls

Run Date(s): 1-12-20

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0787 g/100cc
					0.0807 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1994 g/100cc
					0.2012 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	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0500	0.0494	0.0006	0.0497
100	0.100	0.090 - 0.110	0.1001	0.0994	0.0007	0.0997
200	0.200	0.180 - 0.220	0.1986	0.1990	0.0004	0.1988
300	0.300	0.270 - 0.330	0.3017	0.3021	0.0004	0.3019
400	0.400	0.360 - 0.440			0	#DTV/01
500	0.500	0.450 - 0.550	0.4995	0.4993	0.0002	0.4994

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

**REVIEWED**  
By Rachel Cutler at 1:04 pm, Jan 23, 2020

Revision: 2 

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_12.01.2020\_09.00.08\1-12-2020.S  
 Data directory path: C:\Chem32\1\Data\1-12-20jj  
 Logbook: C:\Chem32\1\Data\1-12-20jj\1-12-2020.LOG  
 Sequence start: 1/12/2020 9:13:54 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	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-1(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-1(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 <del>FN01171701</del>	-	1.0000	006F0601.D		4
7	7	1	0.08 <del>FN01171701</del> <i>FN09181807</i>	-	1.0000	007F0701.D		4
8	8	1	C2019-2335-1-A	-	1.0000	008F0801.D		4
9	9	1	C2019-2335-1-B	-	1.0000	009F0901.D		4
10	10	1	C2019-2345-1-A	-	1.0000	010F1001.D		6
11	11	1	C2019-2345-1-B	-	1.0000	011F1101.D		6
12	12	1	C2019-2351-1-A	-	1.0000	012F1201.D		6
13	13	1	C2019-2351-1-B	-	1.0000	013F1301.D		6
14	14	1	C2019-2358-1-A	-	1.0000	014F1401.D		4
15	15	1	C2019-2358-1-B	-	1.0000	015F1501.D		4
16	16	1	C2019-2394-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-2394-1-B	-	1.0000	017F1701.D		6
18	18	1	C2019-2408-1-A	-	1.0000	018F1801.D		2
19	19	1	C2019-2408-1-B	-	1.0000	019F1901.D		2
20	20	1	C2019-2409-1-A	-	1.0000	020F2001.D		2
21	21	1	C2019-2409-1-B	-	1.0000	021F2101.D		2
22	22	1	C2019-2423-1-A	-	1.0000	022F2201.D		4
23	23	1	C2019-2423-1-B	-	1.0000	023F2301.D		4
24	24	1	C2019-2429-1-A	-	1.0000	024F2401.D		2
25	25	1	C2019-2429-1-B	-	1.0000	025F2501.D		2
26	26	1	QC-2(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-2(1)-B	-	1.0000	027F2701.D		4
28	28	1	C2019-2454-1-A	-	1.0000	028F2801.D		4
29	29	1	C2019-2454-1-B	-	1.0000	029F2901.D		4
30	30	1	C2019-2459-1-A	-	1.0000	030F3001.D		2
31	31	1	C2019-2459-1-B	-	1.0000	031F3101.D		2
32	32	1	C2019-2465-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-2465-1-B	-	1.0000	033F3301.D		4
34	34	1	C2020-0008-1-A	-	1.0000	034F3401.D		2
35	35	1	C2020-0008-1-B	-	1.0000	035F3501.D		2
36	36	1	C2020-0020-1-A	-	1.0000	036F3601.D		2
37	37	1	C2020-0020-1-B	-	1.0000	037F3701.D		2
38	38	1	C2020-0021-1-A	-	1.0000	038F3801.D		4
39	39	1	C2020-0021-1-B	-	1.0000	039F3901.D		4
40	40	1	C2020-0031-1-A	-	1.0000	040F4001.D		4
41	41	1	C2020-0031-1-B	-	1.0000	041F4101.D		4
42	42	1	C2020-0032-1-A	-	1.0000	042F4201.D		4
43	43	1	C2020-0032-1-B	-	1.0000	043F4301.D		4
44	44	1	C2020-0054-1-A	-	1.0000	044F4401.D		4
45	45	1	C2020-0054-1-B	-	1.0000	045F4501.D		4
46	46	1	C2020-0055-1-A	-	1.0000	046F4601.D		2

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	C2020-0055-1-B	-	1.0000	047F4701.D		2
48	48	1	QC-1(2)-A	-	1.0000	048F4801.D		4
49	49	1	QC-1(2)-B	-	1.0000	049F4901.D		4
50	50	1	C2020-0056-1-A	-	1.0000	050F5001.D		2
51	51	1	C2020-0056-1-B	-	1.0000	051F5101.D		2
52	52	1	C2020-0074-1-A	-	1.0000	052F5201.D		4
53	53	1	C2020-0074-1-B	-	1.0000	053F5301.D		4
54	54	1	C2020-0075-1-A	-	1.0000	054F5401.D		4
55	55	1	C2020-0075-1-B	-	1.0000	055F5501.D		4
56	56	1	C2020-0079-1-A	-	1.0000	056F5601.D		4
57	57	1	C2020-0079-1-B	-	1.0000	057F5701.D		4
58	58	1	QC-2(2)-A	-	1.0000	058F5801.D		4
59	59	1	QC-2(2)-B	-	1.0000	059F5901.D		4
60	60	1	ISTD BLANK-2	-	1.0000	060F6001.D		2
61	61	1	water-2	-	1.0000	061F6101.D		0

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Calibration Table  
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General Calibration Setting  
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Calib. Data Modified : Sunday, January 12, 2020 8:35:30 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

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Signal Details  
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Signal 1: FID1 A, Front Signal  
Signal 2: FID2 B, Back Signal  
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Overview Table  
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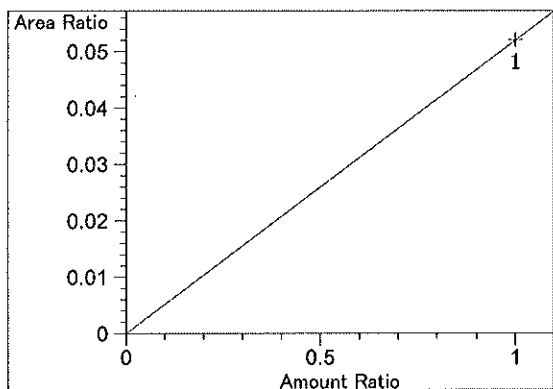
99

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
3.109	1	1	5.00000e-2	9.33351	5.35704e-3	No	No 1	Ethanol
		2	1.00000e-1	18.72660	5.34000e-3			
		3	2.00000e-1	37.05907	5.39679e-3			
		4	3.00000e-1	57.36328	5.22983e-3			
		5	5.00000e-1	93.29688	5.35924e-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
4.180	2	1	5.00000e-2	9.30842	5.37148e-3	No	No 2	Ethanol
		2	1.00000e-1	18.75998	5.33050e-3			
		3	2.00000e-1	37.42754	5.34366e-3			
		4	3.00000e-1	57.84256	5.18649e-3			
		5	5.00000e-1	93.70728	5.33576e-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	97.20007	1.02881e-2	No	Yes 1	n-Propanol
		2	1.00000	97.39626	1.02673e-2			
		3	1.00000	97.10094	1.02986e-2			
		4	1.00000	98.92330	1.01088e-2			
		5	1.00000	97.19091	1.02890e-2			
7.617	2	1	1.00000	95.97260	1.04196e-2	No	Yes 2	n-Propanol
		2	1.00000	96.14803	1.04006e-2			
		3	1.00000	95.82384	1.04358e-2			
		4	1.00000	97.56306	1.02498e-2			
		5	1.00000	95.63459	1.04565e-2			

Peak Sum Table

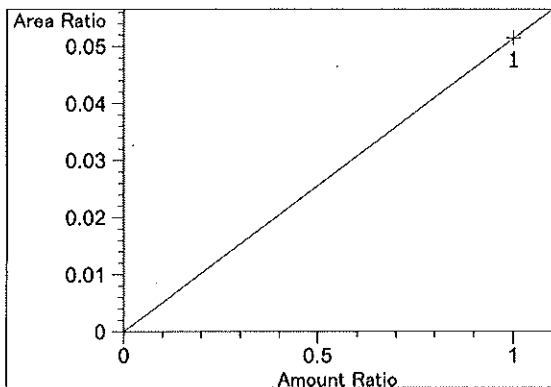
\*\*\*No Entries in table\*\*\*

Calibration Curves

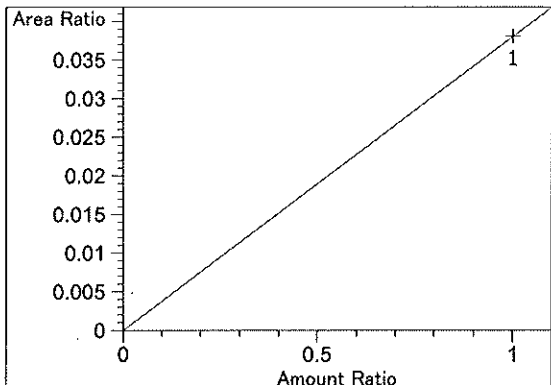


Difluoroethane at exp. RT: 2.000  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 5.20982e-2  
 x: Amount Ratio  
 y: Area Ratio

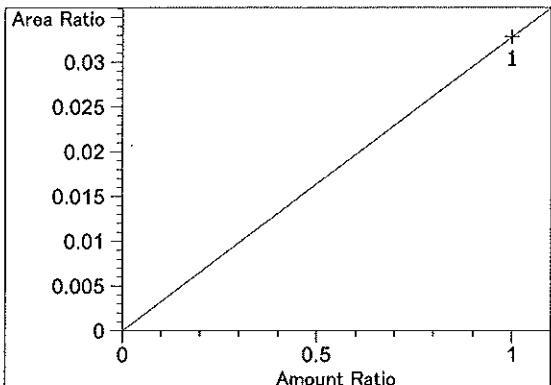
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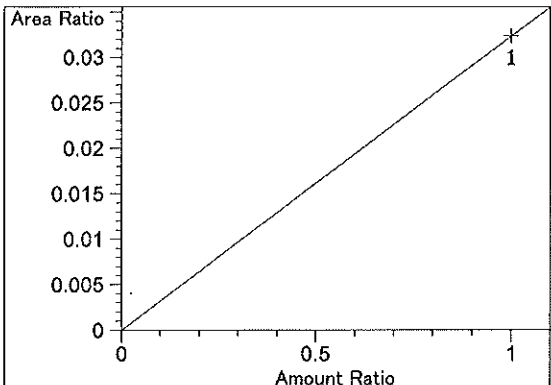
Difluoroethane at exp. RT: 2.000  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 5.14403e-2  
x: Amount Ratio  
y: Area Ratio



Methanol at exp. RT: 2.494  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.80318e-2  
x: Amount Ratio  
y: Area Ratio



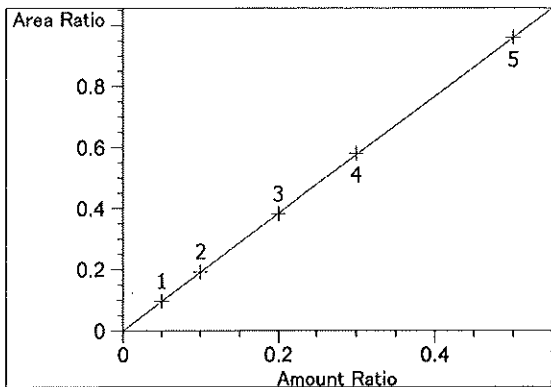
Acetaldehyde at exp. RT: 2.772  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.28509e-2  
x: Amount Ratio  
y: Area Ratio



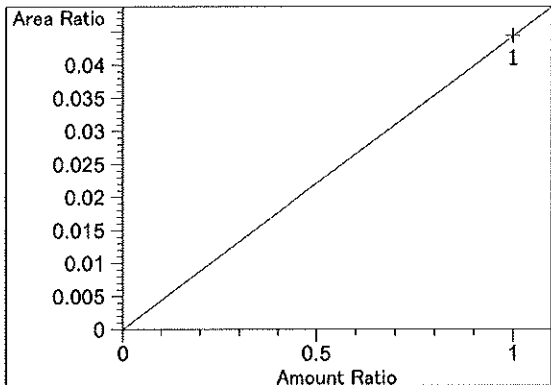
Acetaldehyde at exp. RT: 2.797  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.23608e-2  
x: Amount Ratio  
y: Area Ratio

99

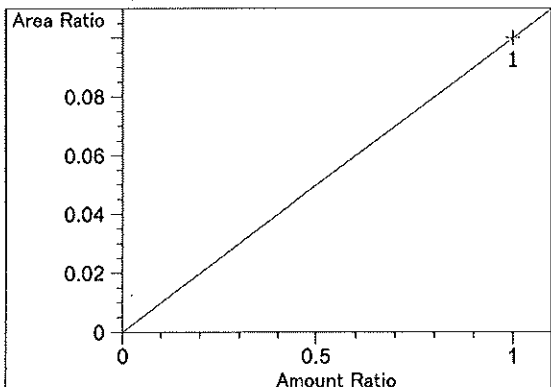




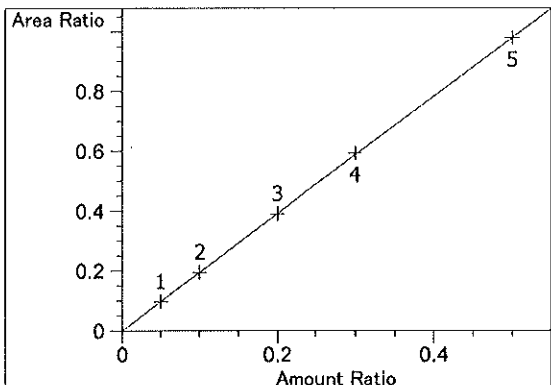
Ethanol at exp. RT: 3.109  
FID1 A, Front Signal  
Correlation: 0.99999  
Residual Std. Dev.: 0.00220  
Formula:  $y = mx$   
m: 1.92176  
x: Amount Ratio  
y: Area Ratio



Methanol at exp. RT: 3.211  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 4.43942e-2  
x: Amount Ratio  
y: Area Ratio

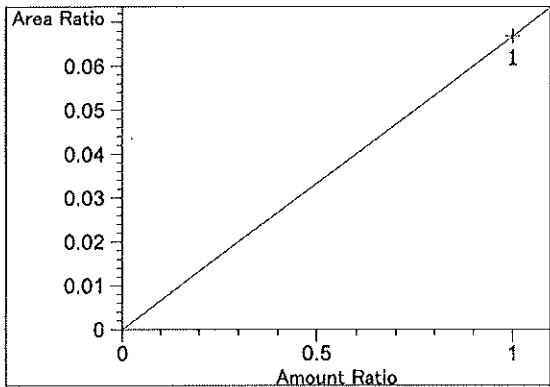


Isopropyl alcohol at exp. RT: 3.715  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00108e-1  
x: Amount Ratio  
y: Area Ratio

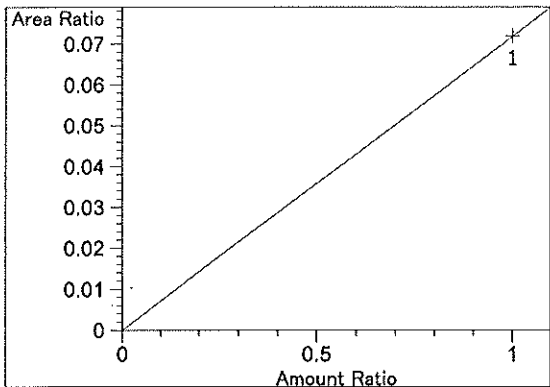


Ethanol at exp. RT: 4.180  
FID2 B, Back Signal  
Correlation: 0.99999  
Residual Std. Dev.: 0.00251  
Formula:  $y = mx$   
m: 1.96246  
x: Amount Ratio  
y: Area Ratio

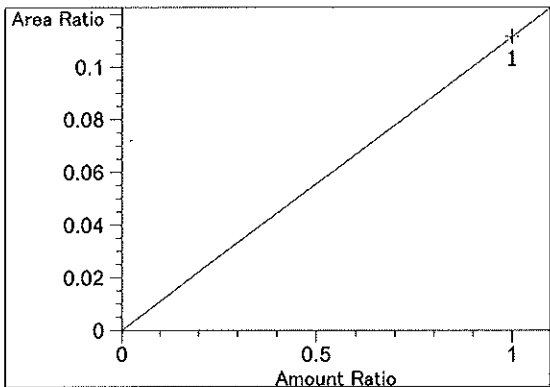
96



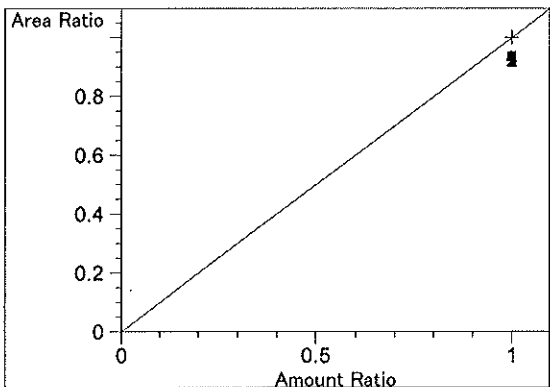
Acetone at exp. RT: 4.530  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $6.68662e-2$   
x: Amount Ratio  
y: Area Ratio



Acetone at exp. RT: 4.549  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $7.18227e-2$   
x: Amount Ratio  
y: Area Ratio

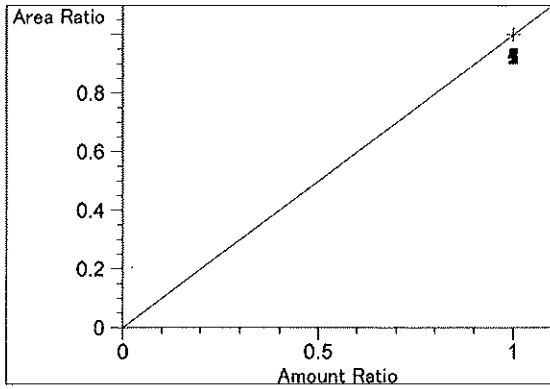


Isopropyl alcohol at exp. RT: 4.870  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $1.11557e-1$   
x: Amount Ratio  
y: Area Ratio



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

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n-Propanol at exp. RT: 7.617  
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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S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_12.01.2020\_06.31.16\1-12-20cal.S  
 Data directory path: C:\Chem32\1\Data\1-12-20calJJ  
 Logbook: C:\Chem32\1\Data\1-12-20calJJ\1-12-20cal.LOG  
 Sequence start: 1/12/2020 6:44:59 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

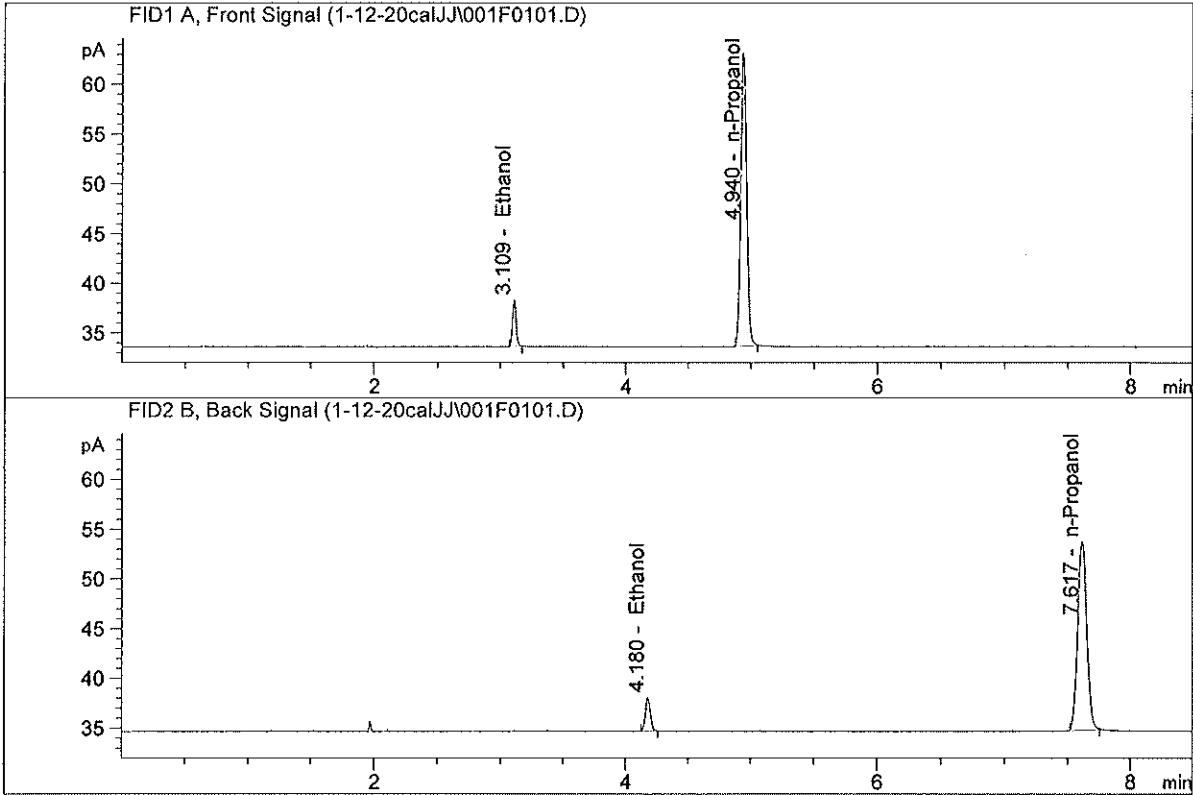
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

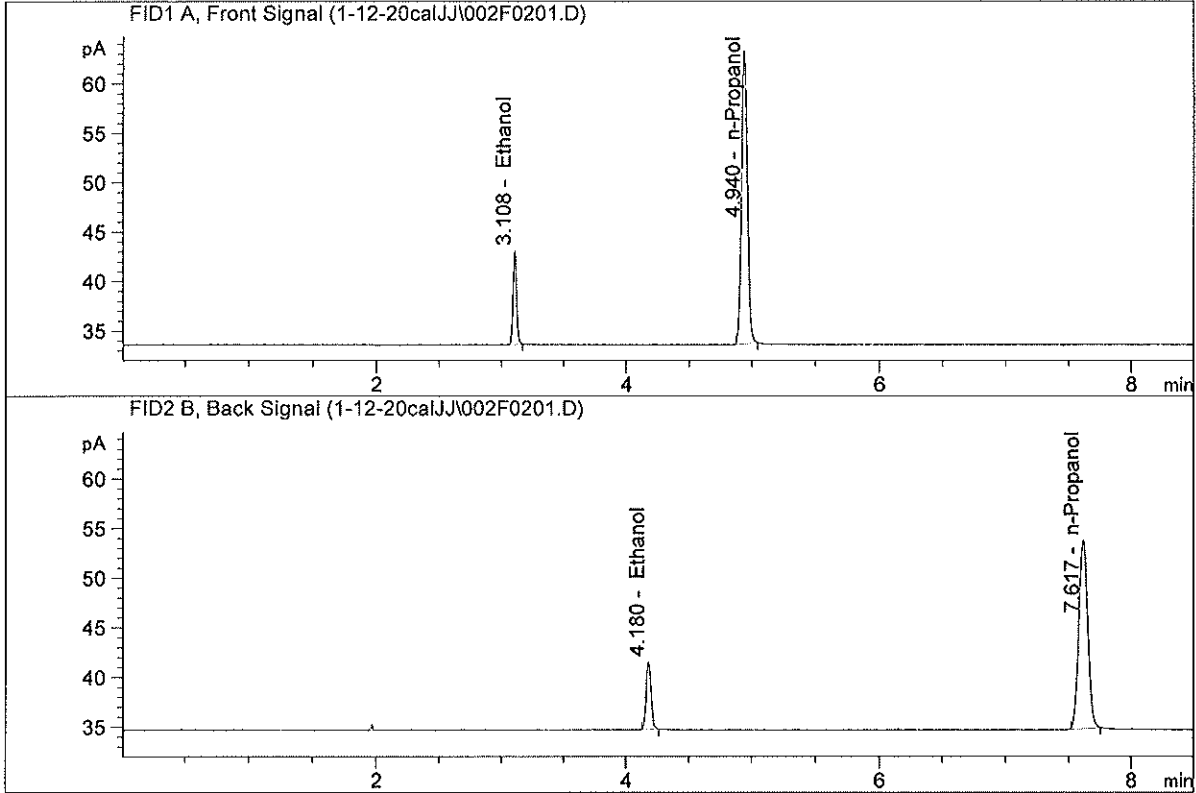


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.33351	0.0500	g/100cc
2.	Ethanol	Column 2:	9.30842	0.0494	g/100cc
3.	n-Propanol	Column 1:	97.20007	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.97260	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

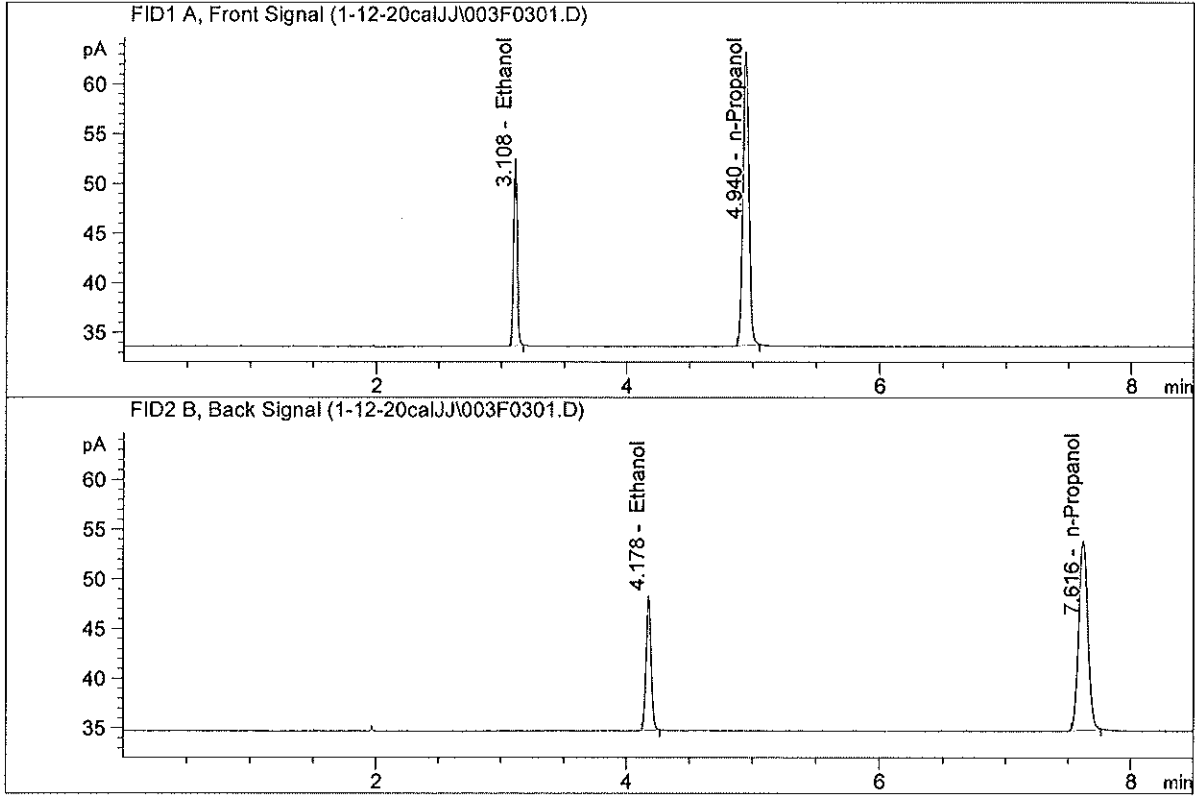


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.72660	0.1001	g/100cc
2.	Ethanol	Column 2:	18.75998	0.0994	g/100cc
3.	n-Propanol	Column 1:	97.39626	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.14803	1.0000	g/100cc

*Handwritten signature or initials.*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

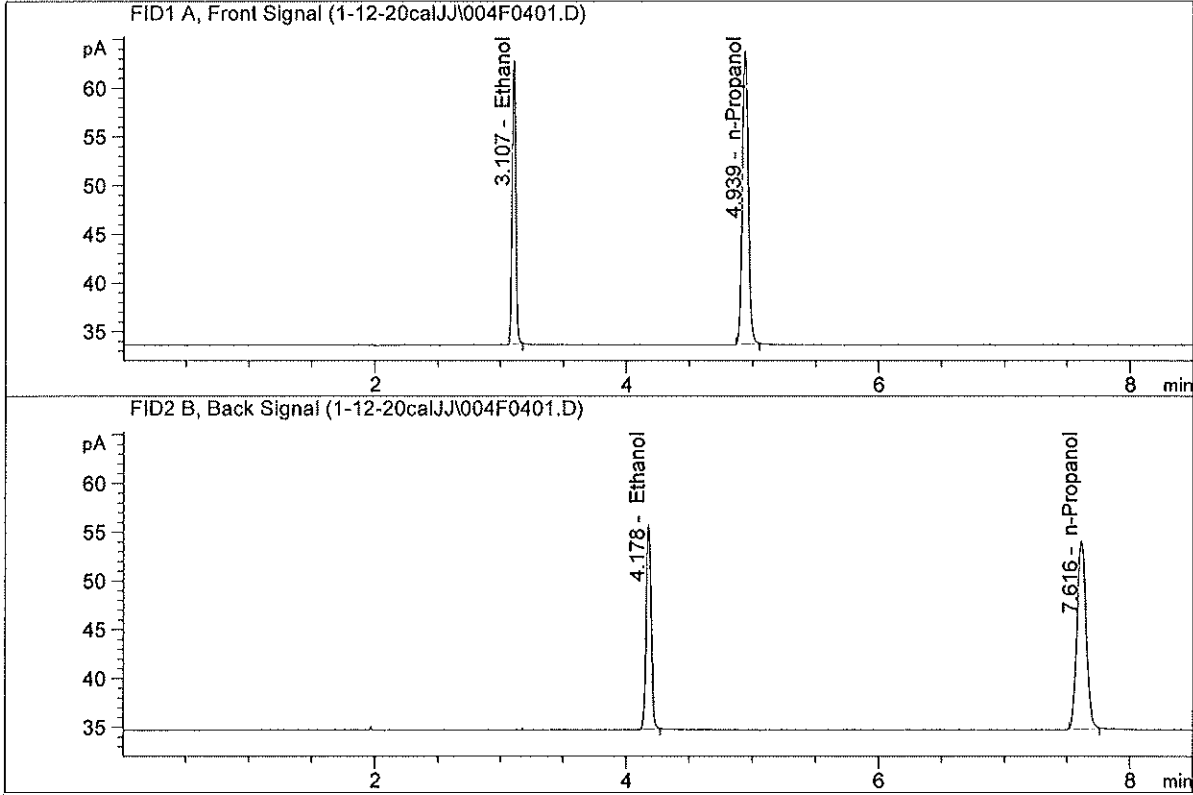


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.05907	0.1986	g/100cc
2.	Ethanol	Column 2:	37.42754	0.1990	g/100cc
3.	n-Propanol	Column 1:	97.10094	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.82384	1.0000	g/100cc

*Handwritten signature or initials*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



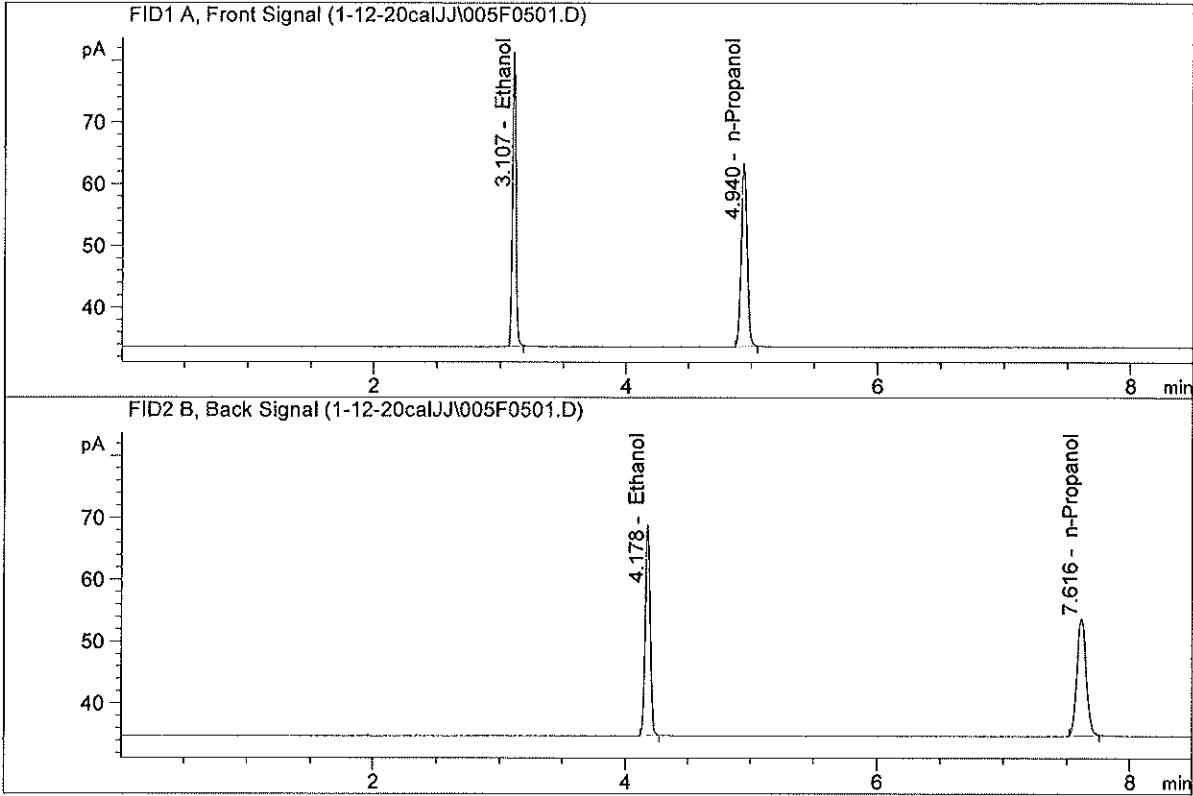
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	57.36328	0.3017	g/100cc
2.	Ethanol	Column 2:	57.84256	0.3021	g/100cc
3.	n-Propanol	Column 1:	98.92330	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.56306	1.0000	g/100cc

*[Handwritten signature]*



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN1.0742044-IT00725005

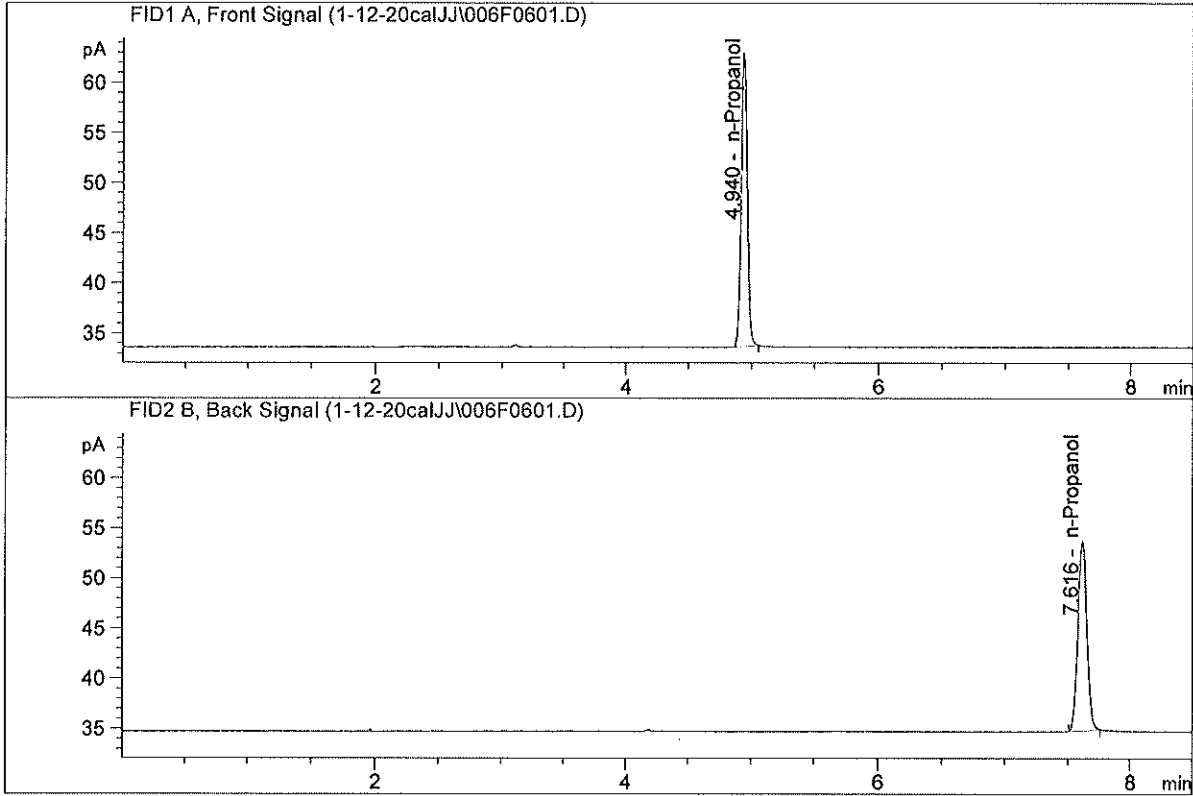


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.29688	0.4995	g/100cc
2.	Ethanol	Column 2:	93.70728	0.4993	g/100cc
3.	n-Propanol	Column 1:	97.19091	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.63459	1.0000	g/100cc

59

ISP Forensic Services Blood Alcohol Report

Sample Name : blank  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

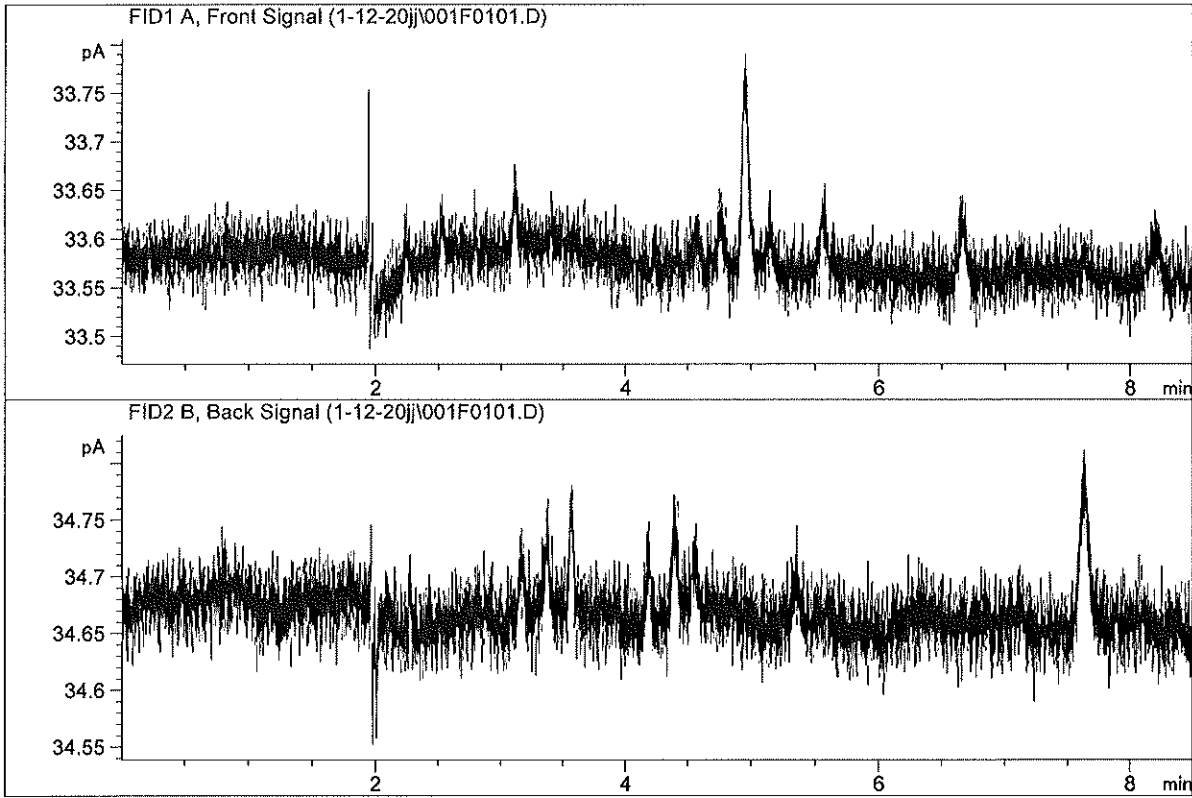


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	96.19121	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.12553	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

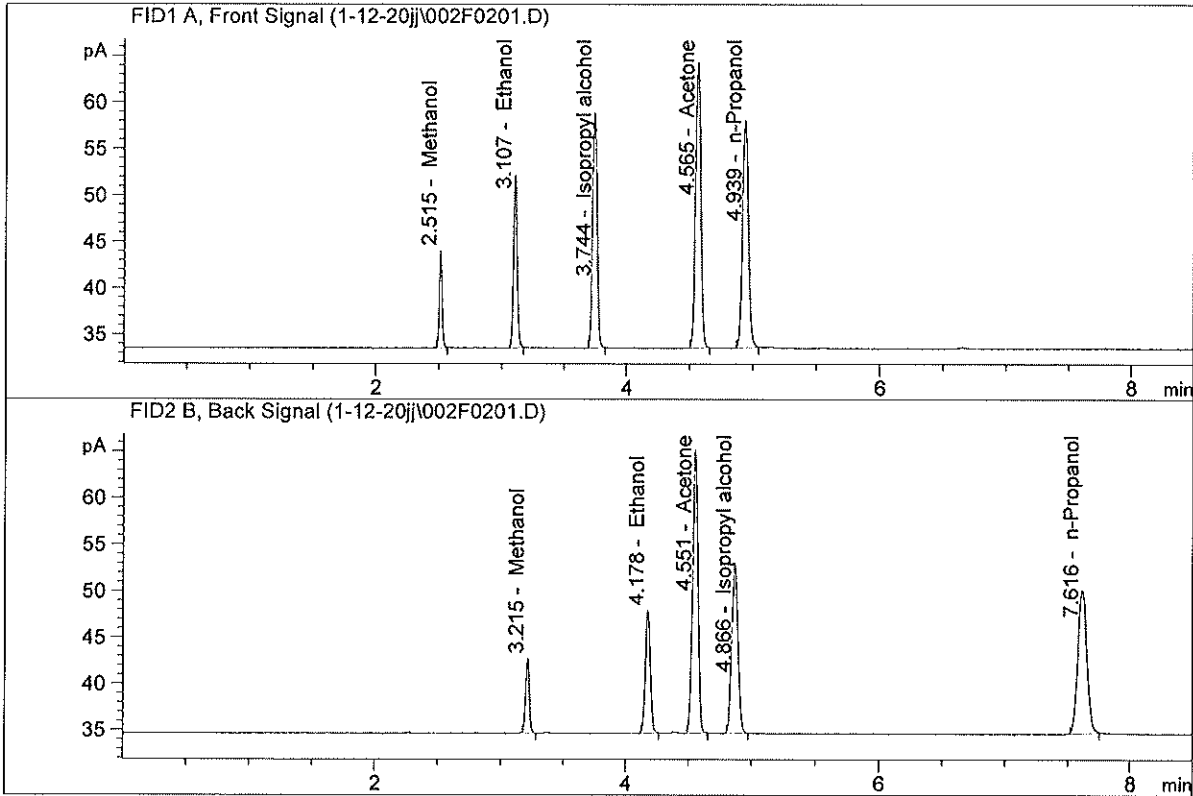


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

59

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

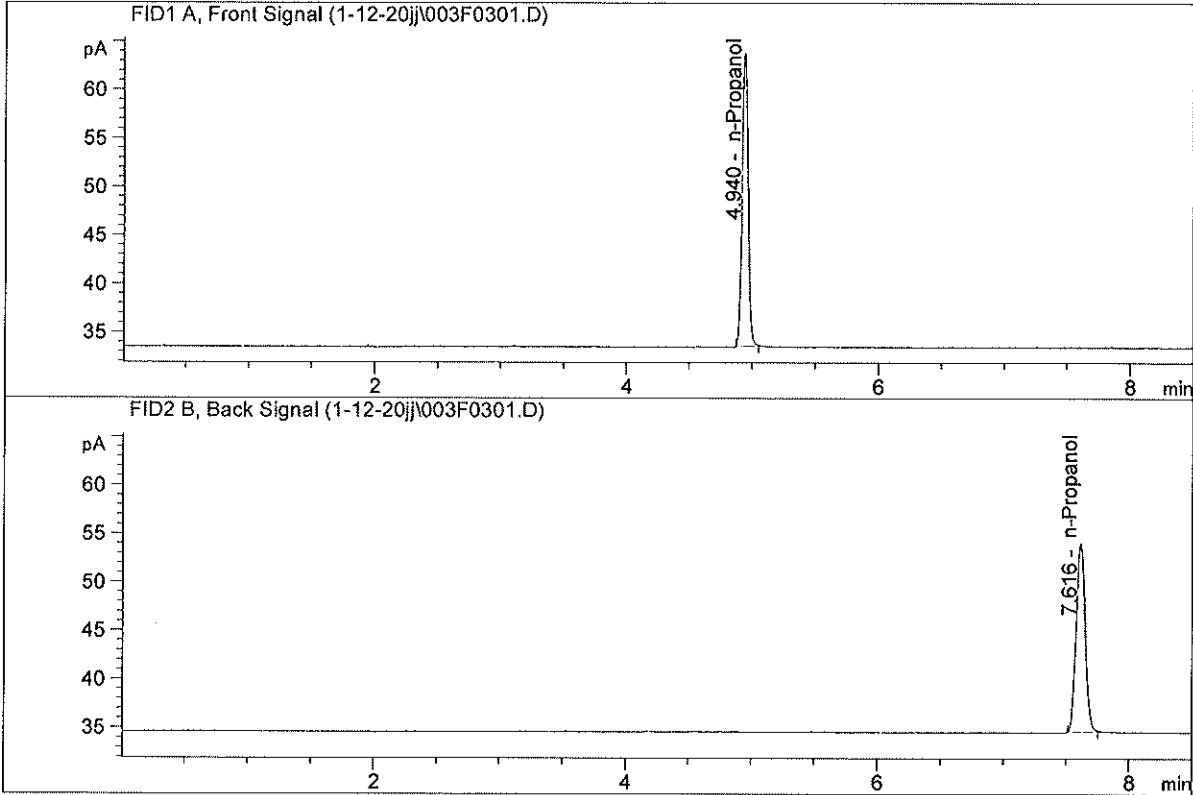


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.52993	0.2368	g/100cc
2.	Ethanol	Column 2:	36.40304	0.2369	g/100cc
3.	n-Propanol	Column 1:	80.26926	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.30582	1.0000	g/100cc

89

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 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:	99.50063	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.69593	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(1)-A

Analysis Date(s): 12 Jan 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0789	0.0001	0.0789	0.0004	0.0787
(g/100cc)	0.0786	0.0784	0.0002	0.0785		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**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.*

Revision: 2

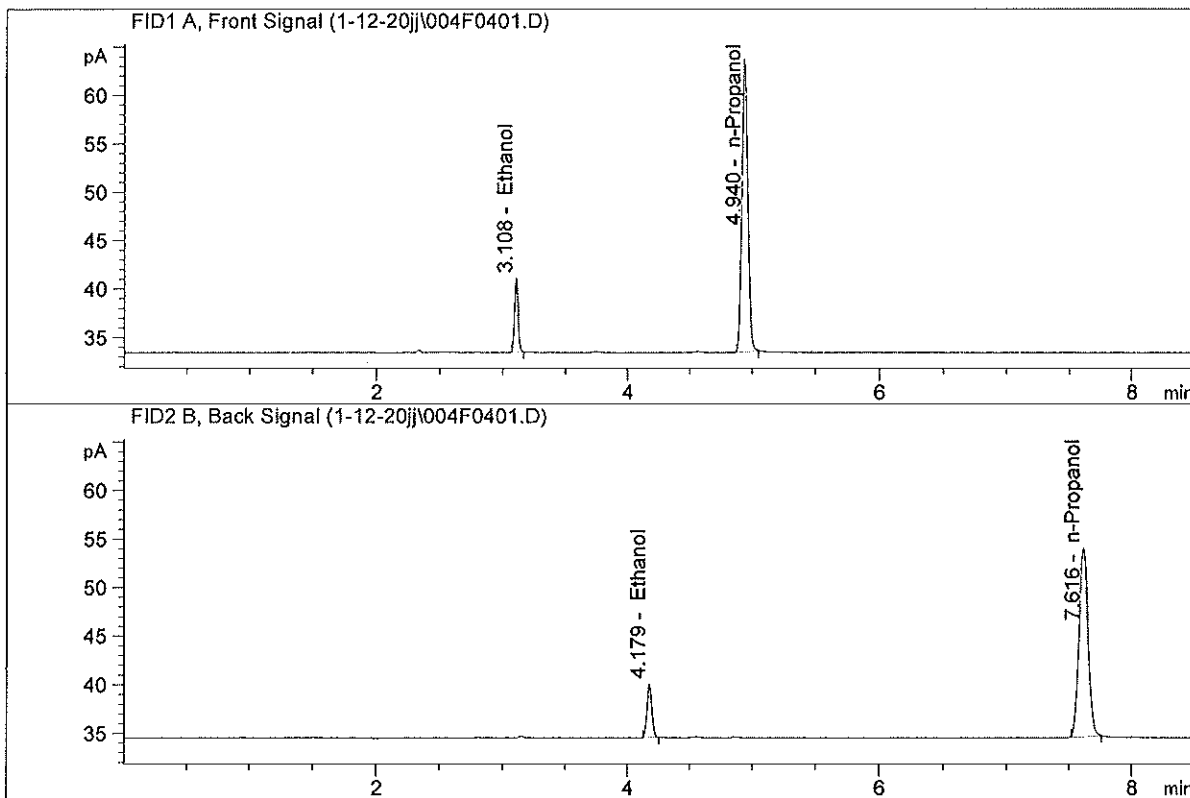
Issue Date: 12/23/2019

Issuing Authority: Quality Manager

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

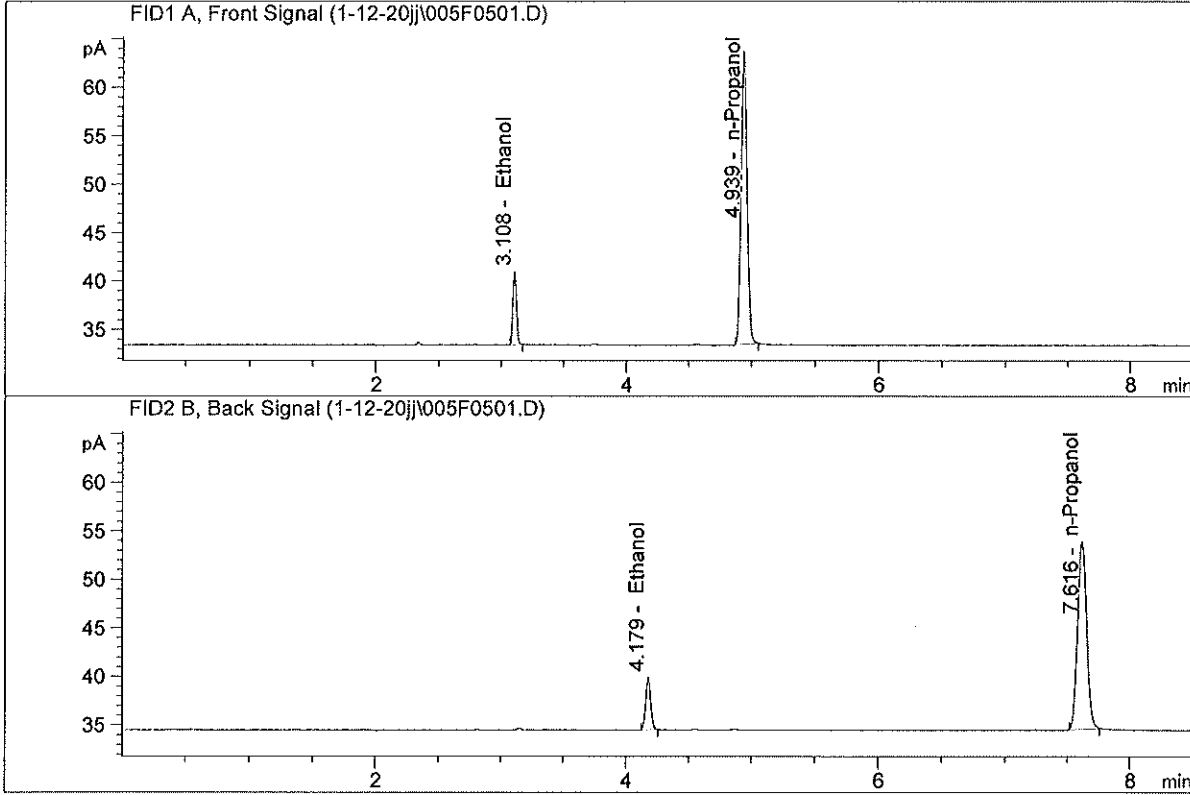


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.09639	0.0790	g/100cc
2.	Ethanol	Column 2:	15.13390	0.0789	g/100cc
3.	n-Propanol	Column 1:	99.38953	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.71095	1.0000	g/100cc

59

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.02904	0.0786	g/100cc
2.	Ethanol	Column 2:	15.02367	0.0784	g/100cc
3.	n-Propanol	Column 1:	99.49164	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.60002	1.0000	g/100cc

99



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

FN09181807 *99* 1/23/20

Laboratory No.: 0.08 ~~FN04171701-A~~

Analysis Date(s): 12 Jan 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0804	0.0001	0.0804	0.0007	0.0800
(g/100cc)	0.0796	0.0798	0.0002	0.0797		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**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	

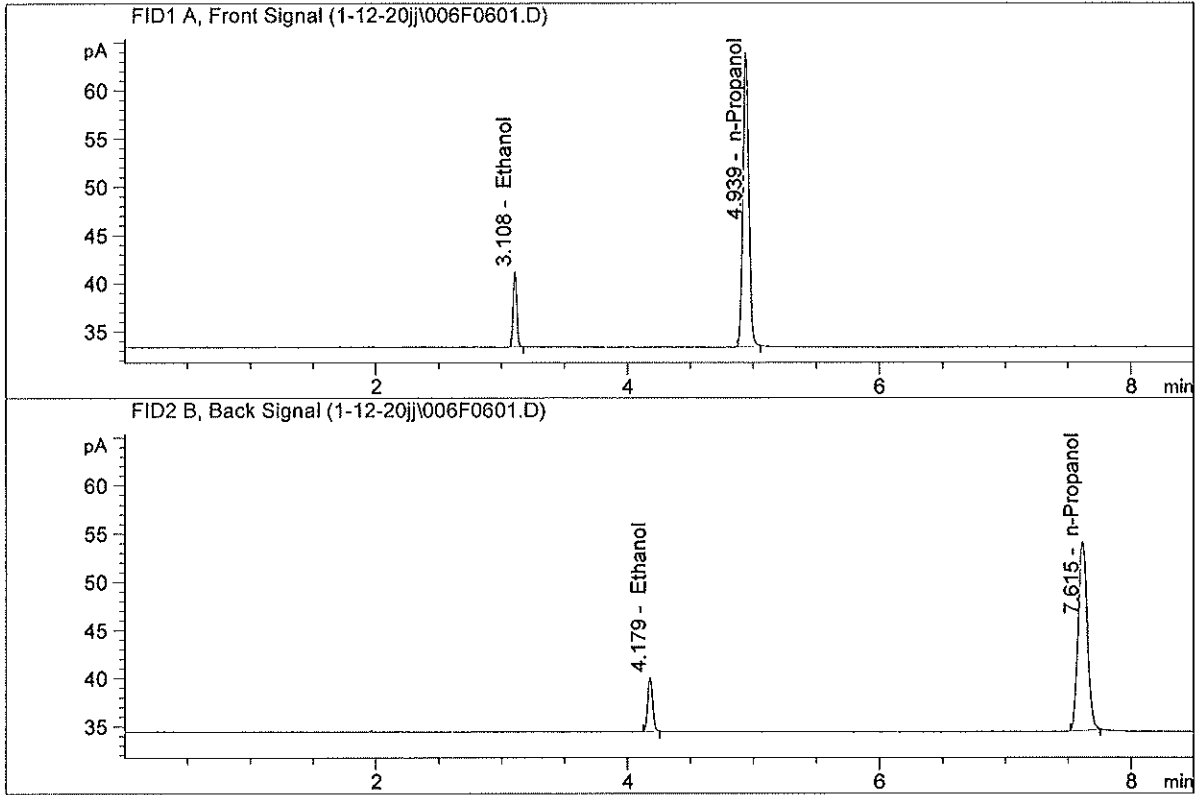
*Calibration and control data are stored centrally.*

*99*

ISP Forensic Services Blood Alcohol Report

FN09181807 *JS* 1/23/20

Sample Name : 0.08 ~~FN01171701~~-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



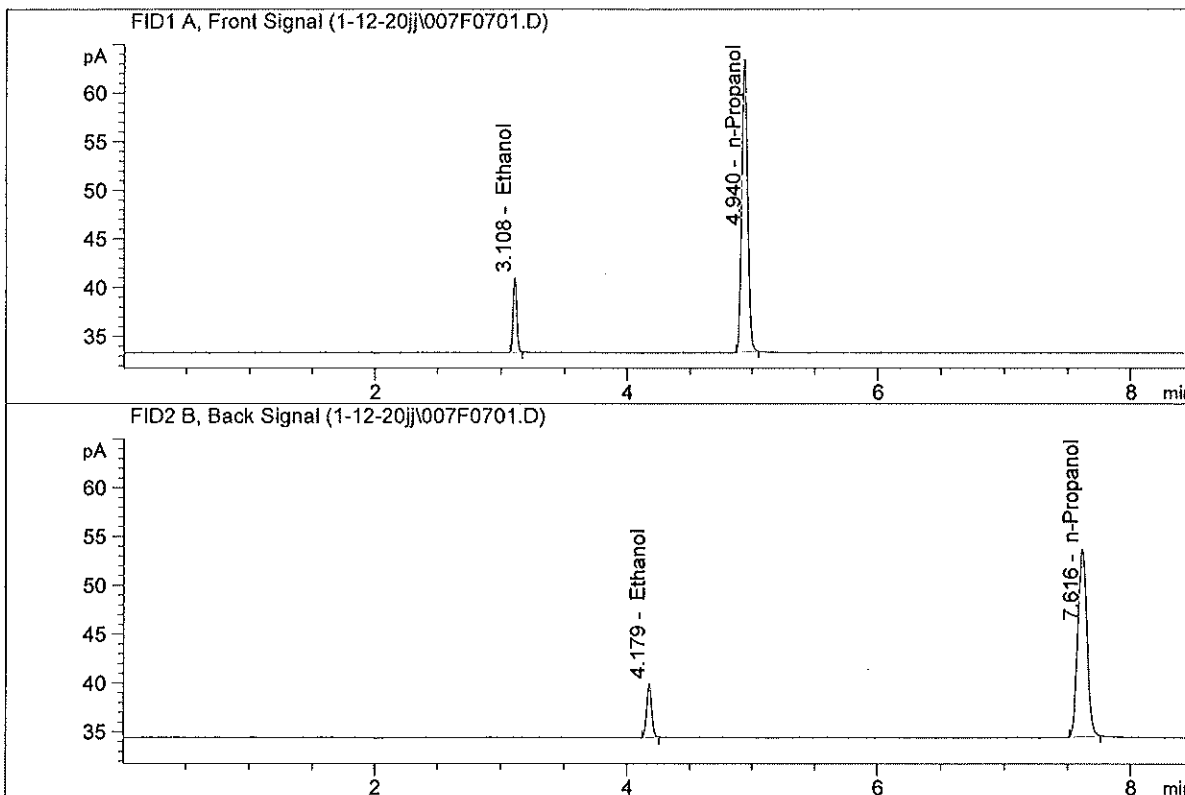
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.51698	0.0805	g/100cc
2.	Ethanol	Column 2:	15.53749	0.0804	g/100cc
3.	n-Propanol	Column 1:	100.35546	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.49191	1.0000	g/100cc

*JS*

ISP Forensic Services Blood Alcohol Report

FN09181807 *SP* 1/23/20

Sample Name : 0.08 ~~FN01171701~~-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 12, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.14372	0.0796	g/100cc
2.	Ethanol	Column 2:	15.18864	0.0798	g/100cc
3.	n-Propanol	Column 1:	98.93564	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.04468	1.0000	g/100cc

*99*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(1)-A

Analysis Date(s): 13 Jan 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1971	0.1977	0.0006	0.1974	0.0041	0.1994
(g/100cc)	0.2006	0.2024	0.0018	0.2015		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

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

Reported Result	
0.199	

*Calibration and control data are stored centrally.*

Revision: 2

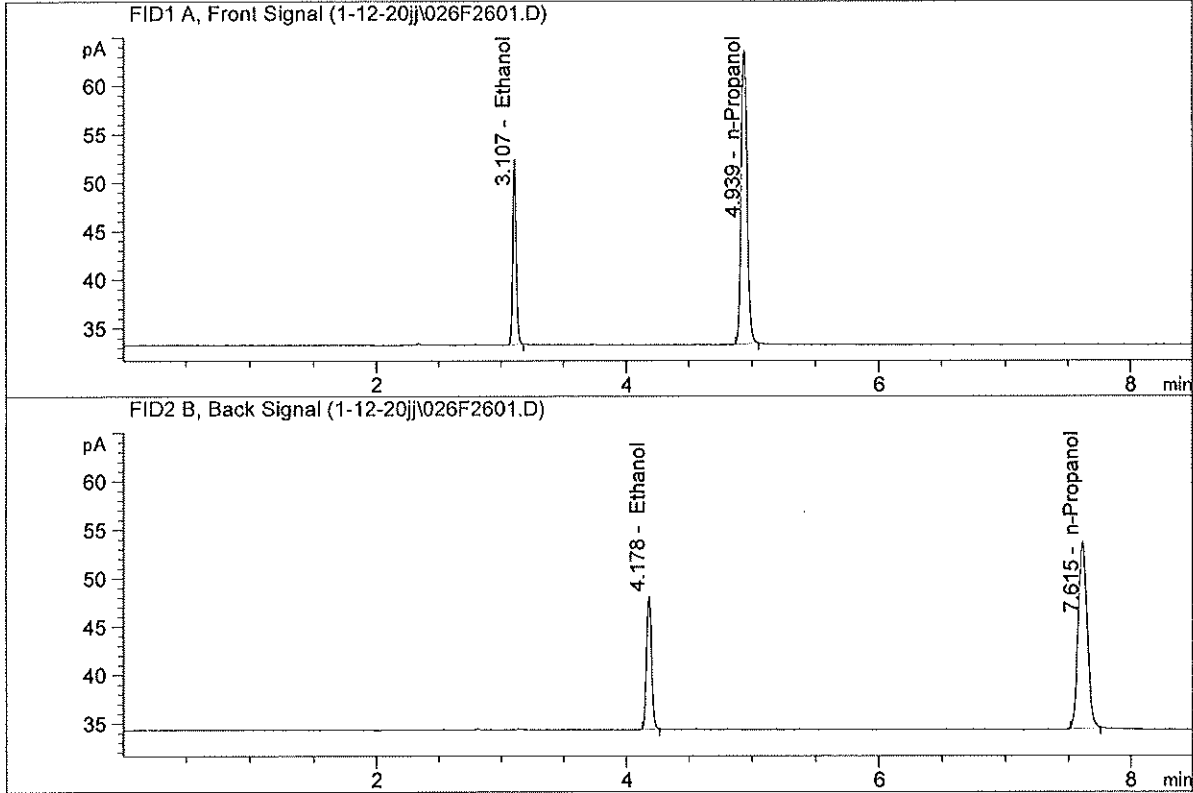
Issue Date: 12/23/2019

Issuing Authority: Quality Manager

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

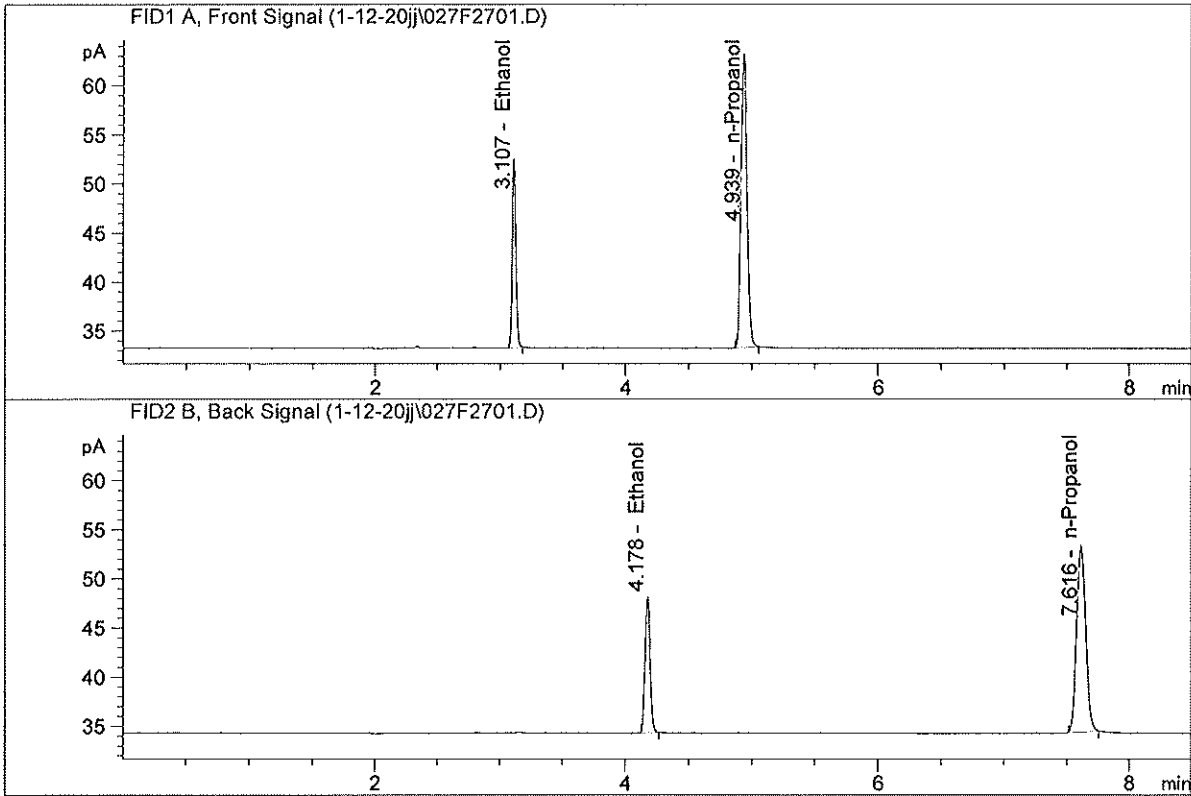


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.71312	0.1971	g/100cc
2.	Ethanol	Column 2:	37.72305	0.1977	g/100cc
3.	n-Propanol	Column 1:	99.54327	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.22462	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.02936	0.2006	g/100cc
2.	Ethanol	Column 2:	38.18827	0.2024	g/100cc
3.	n-Propanol	Column 1:	98.66218	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.15026	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(2)-A

Analysis Date(s): 13 Jan 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0806	0.0805	0.0001	0.0805	0.0003	0.0807
(g/100cc)	0.0808	0.0809	0.0001	0.0808		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**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

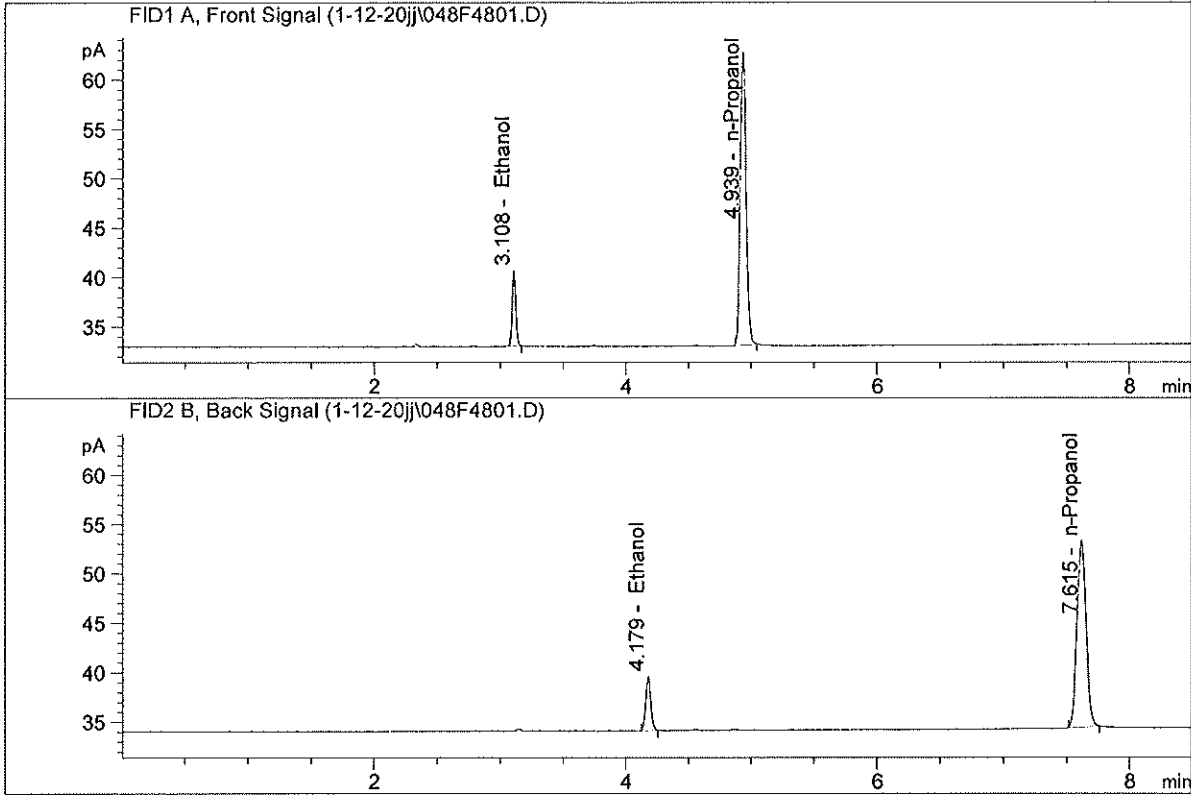
Reported Result	
0.080	

*Calibration and control data are stored centrally.*

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



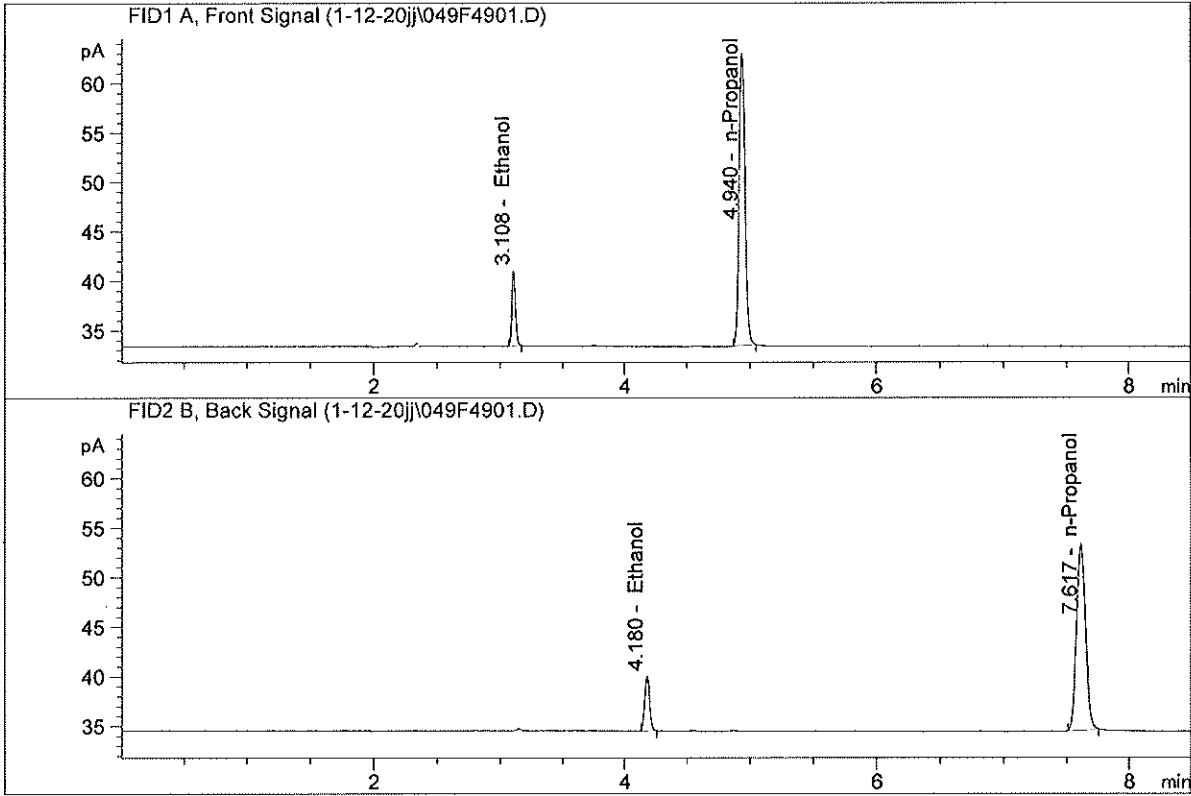
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.08883	0.0806	g/100cc
2.	Ethanol	Column 2:	15.07323	0.0805	g/100cc
3.	n-Propanol	Column 1:	97.40888	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.38271	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.09229	0.0808	g/100cc
2.	Ethanol	Column 2:	15.11167	0.0809	g/100cc
3.	n-Propanol	Column 1:	97.17959	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.20460	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(2)-A

Analysis Date(s): 13 Jan 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2005	0.2015	0.0010	0.2010	0.0004	0.2012
(g/100cc)	0.2007	0.2021	0.0014	0.2014		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**Reporting of Results**

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.201	0.190	0.212	0.011

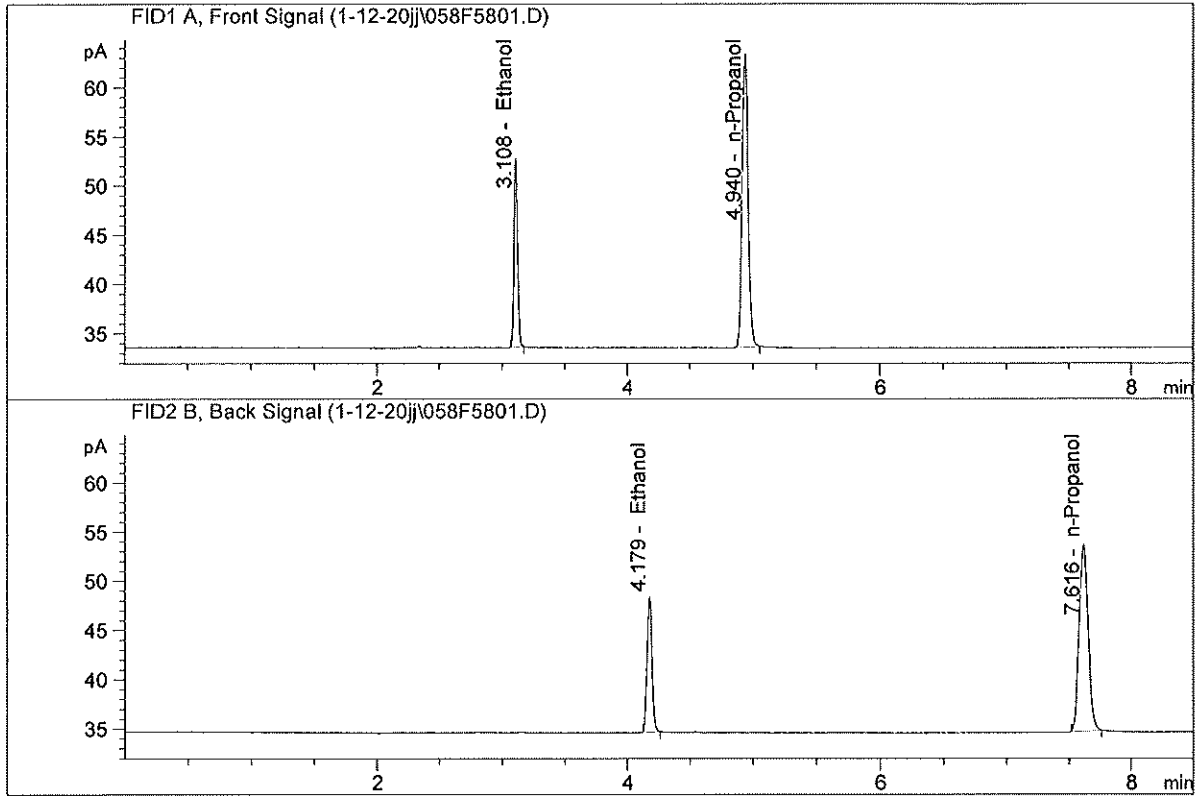
Reported Result	
0.201	

*Calibration and control data are stored centrally.*

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

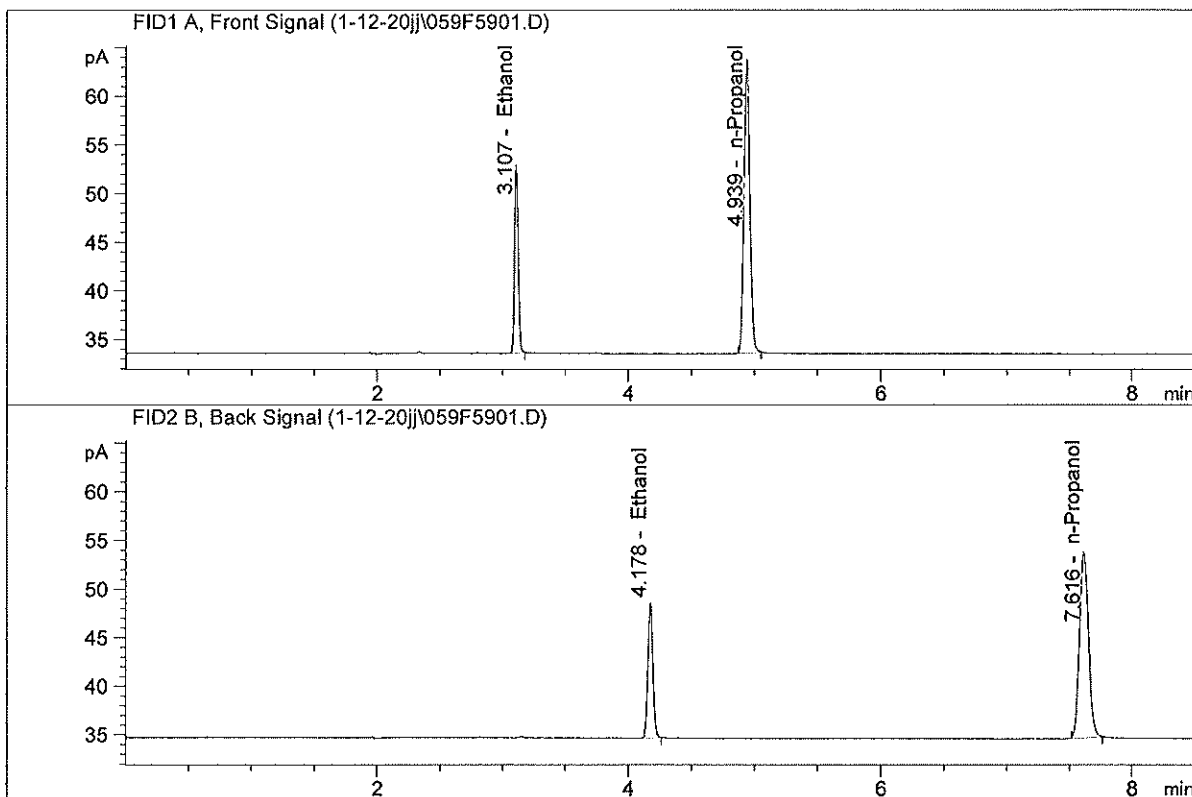


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.73615	0.2005	g/100cc
2.	Ethanol	Column 2:	37.86516	0.2015	g/100cc
3.	n-Propanol	Column 1:	97.92279	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.76279	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

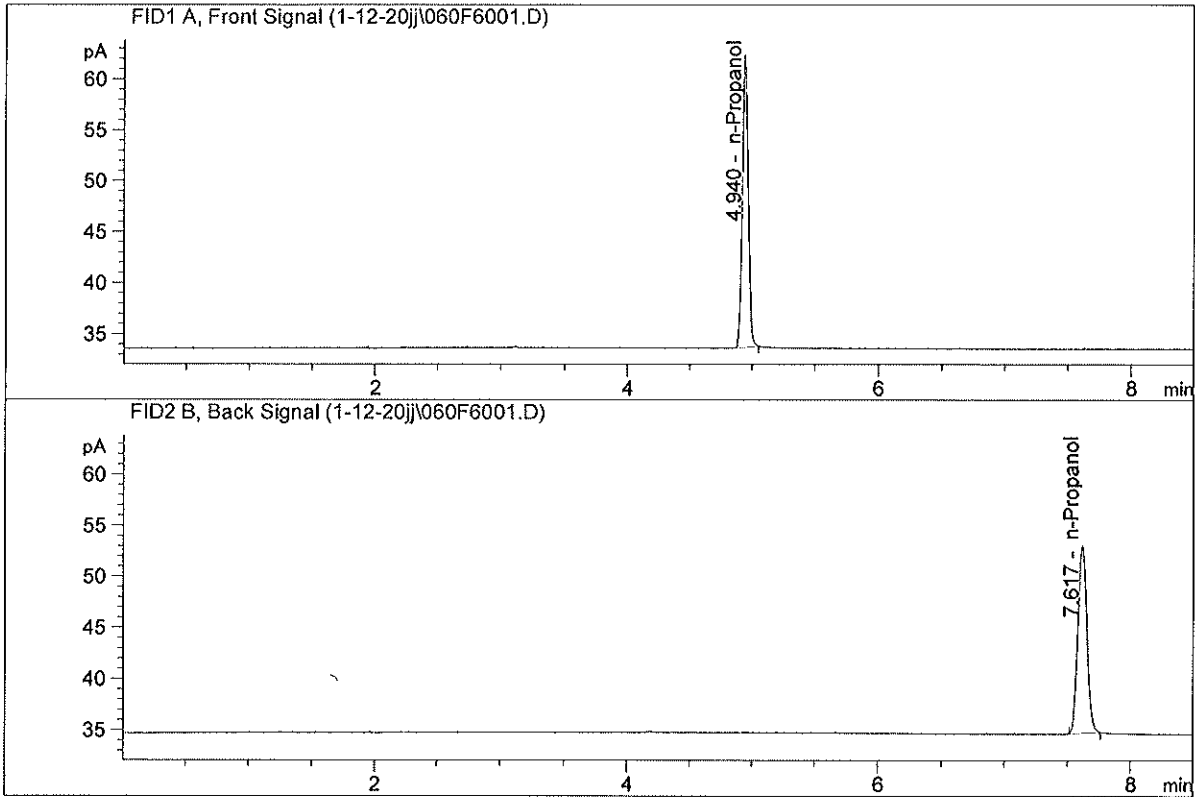


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.18878	0.2007	g/100cc
2.	Ethanol	Column 2:	38.33601	0.2021	g/100cc
3.	n-Propanol	Column 1:	99.00233	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.67567	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

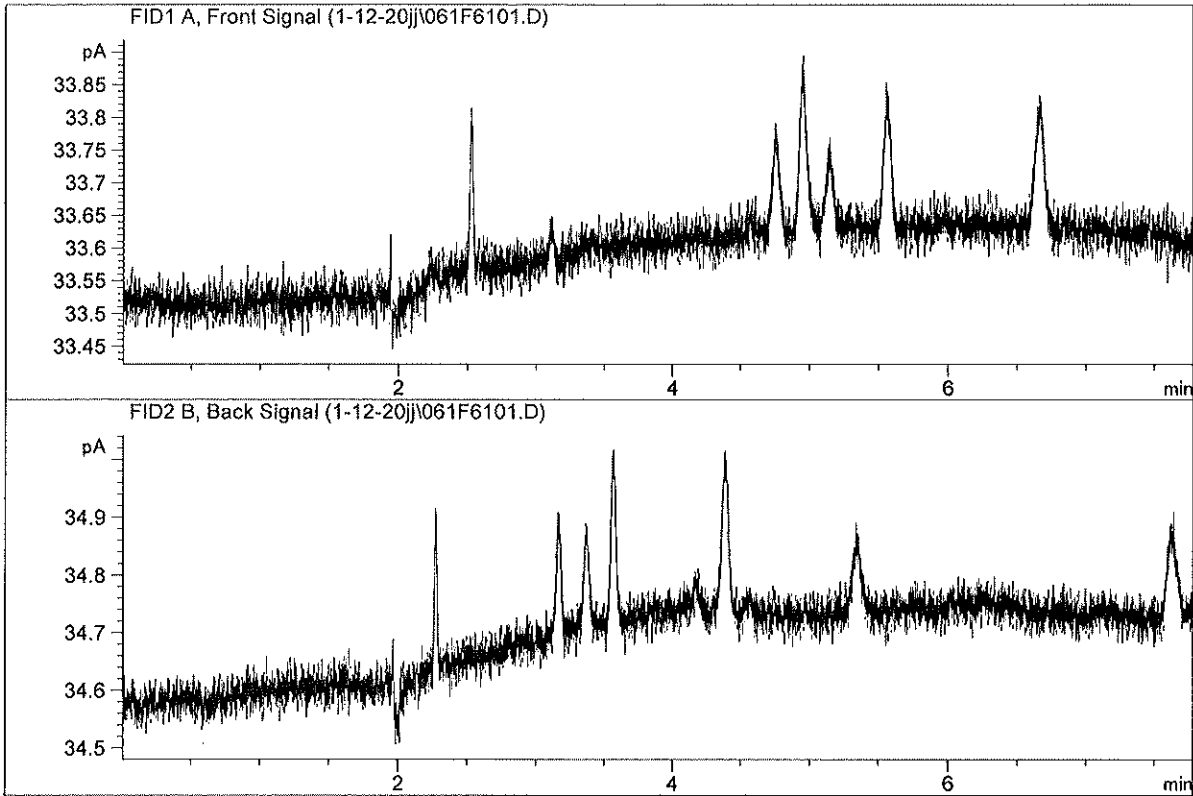


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	94.16433	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.32492	1.0000	g/100cc

*Handwritten signature*

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Jan 13, 2020  
 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

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