



















Worklist: 4065

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2019-2063	1	BCK	Alcohol Analysis	
C2020-0300	1	BCK	Alcohol Analysis	
C2020-0310	1	BCK	Alcohol Analysis	
C2020-0334	1	BCK	Alcohol Analysis	
C2020-0336	1	BCK	Alcohol Analysis	
C2020-0336	2	BCK	Alcohol Analysis	
C2020-0336	3	BCK	Alcohol Analysis	
C2020-0336	4	BCK	Alcohol Analysis	
C2020-0342	1	BCK	Alcohol Analysis	
C2020-0352	1	BCK	Alcohol Analysis	
C2020-0357	1	BCK	Alcohol Analysis	
C2020-0382	1	BCK	Alcohol Analysis	
C2020-0384	1	BCK	Alcohol Analysis	
C2020-0385	1	BCK	Alcohol Analysis	
C2020-0401	1	BCK	Alcohol Analysis	
C2020-0402	1	BCK	Alcohol Analysis	
C2020-0406	1	BCK	Alcohol Analysis	
C2020-0422	1	BCK	Alcohol Analysis	

REVIEWEDBy *Jeremy Johnston* at 2:59 pm, Mar 11, 2020

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): 3-5-2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0753 g/100cc g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1929 g/100cc 0.1989 g/100cc g/100cc
Multi-Component mixture:		Sep-20	Lot #	FN06041502	OK
Curve Fit:		Column 1	0.99993	Column2	0.99993

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0496	0.0492	0.0004	0.0494
100	0.100	0.090 - 0.110	0.0968	0.0957	0.0011	0.0962
200	0.200	0.180 - 0.220	0.1947	0.1950	0.0003	0.1948
300	0.300	0.270 - 0.330	0.2989	0.2995	0.0006	0.2992
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5035	0.5033	0.0002	0.5034

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_05.03.2020_10.40.08\3-5-20cal.S
 Data directory path: C:\Chem32\1\Data\3-5-20calSVJ
 Logbook: C:\Chem32\1\Data\3-5-20calSVJ\3-5-20cal.LOG
 Sequence start: 3/5/2020 10:53:47 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

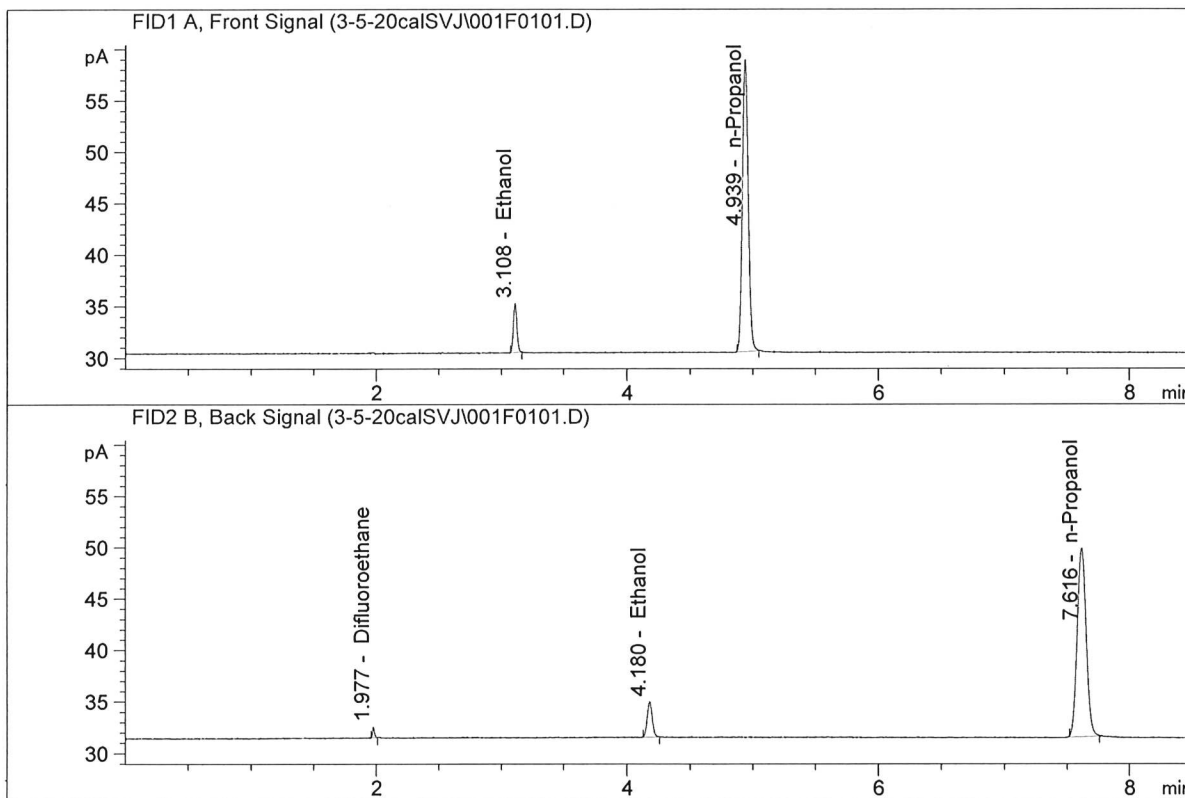
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	5
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 : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

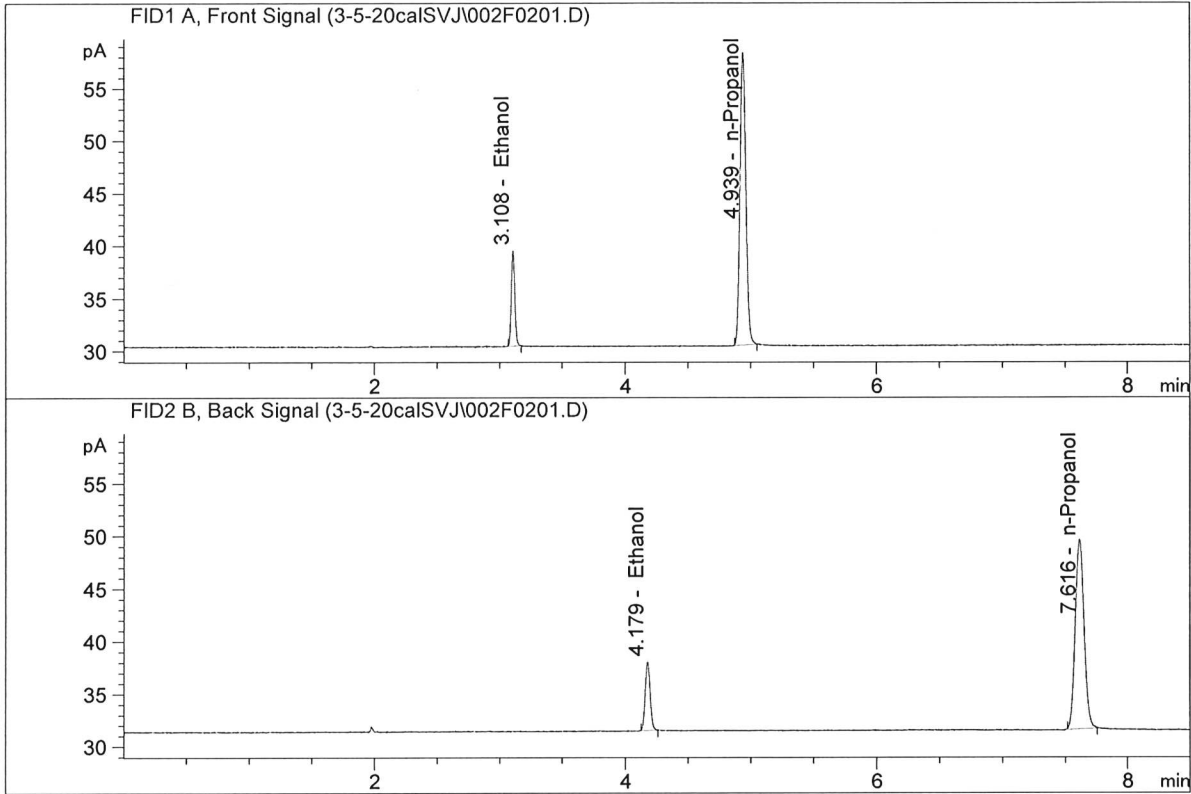


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.39152	0.0496	g/100cc
2.	Ethanol	Column 2:	9.44847	0.0492	g/100cc
3.	n-Propanol	Column 1:	93.15646	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.69814	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

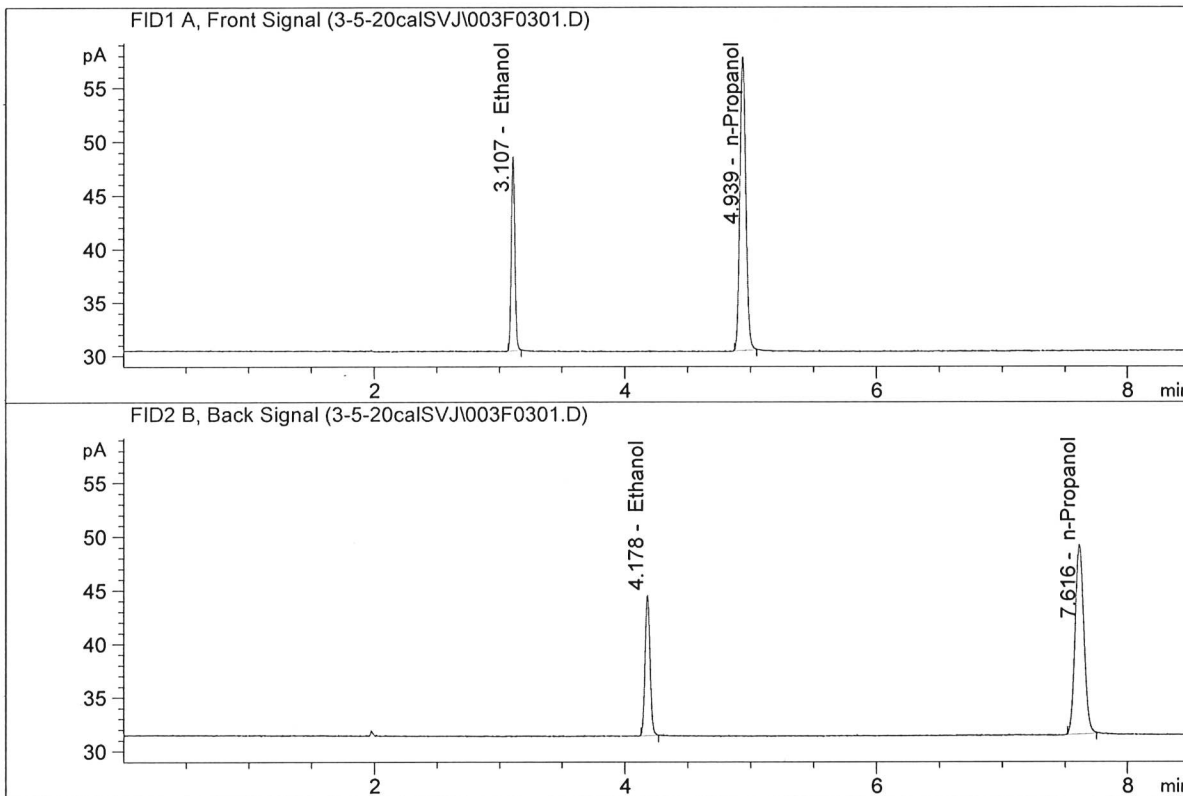


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.94076	0.0968	g/100cc
2.	Ethanol	Column 2:	17.99685	0.0957	g/100cc
3.	n-Propanol	Column 1:	91.26556	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.75005	1.0000	g/100cc

ML

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

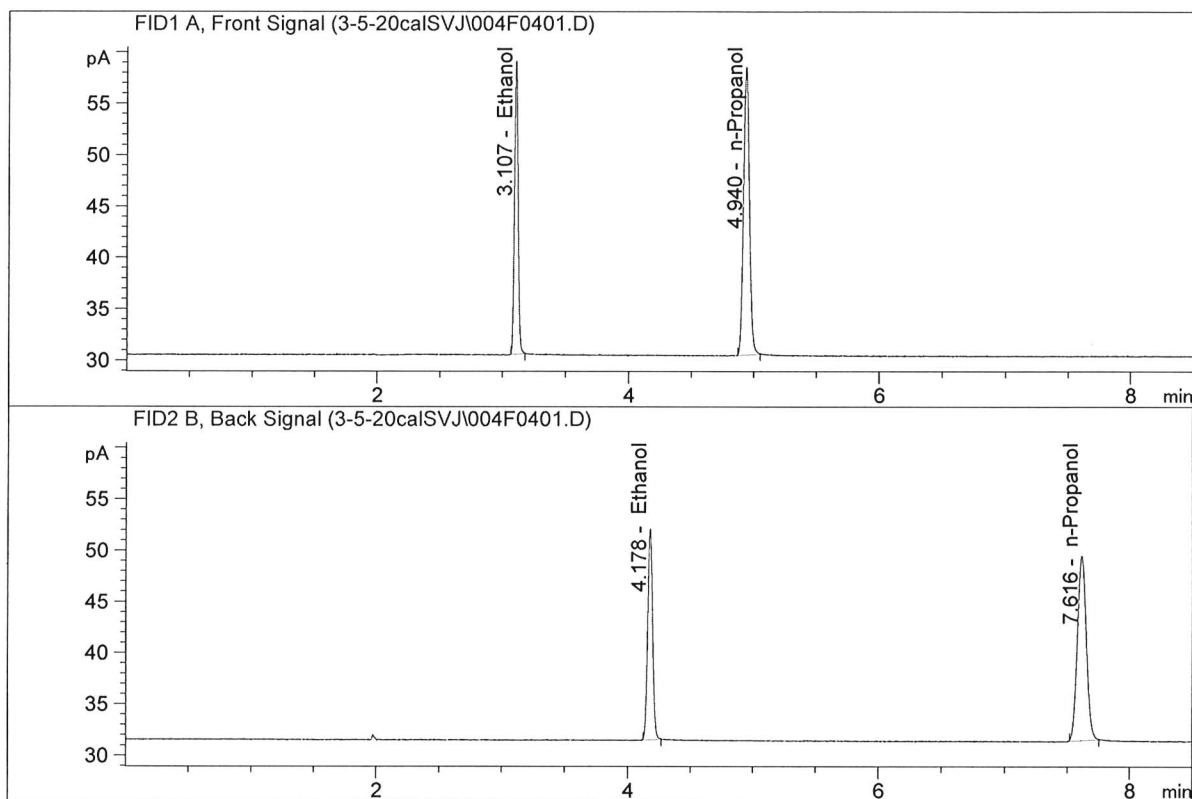


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.47419	0.1947	g/100cc
2.	Ethanol	Column 2:	35.96029	0.1950	g/100cc
3.	n-Propanol	Column 1:	89.70927	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.96784	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

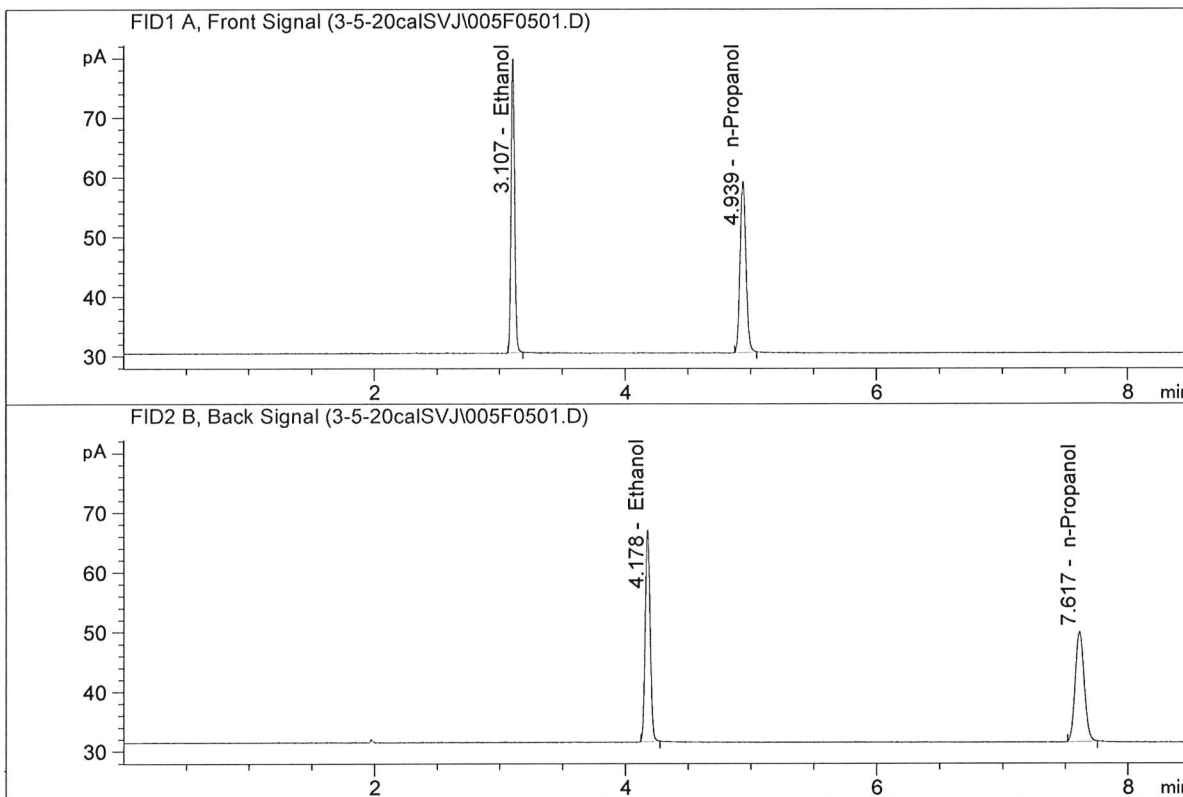


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.65358	0.2989	g/100cc
2.	Ethanol	Column 2:	56.43635	0.2995	g/100cc
3.	n-Propanol	Column 1:	91.66029	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.91262	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

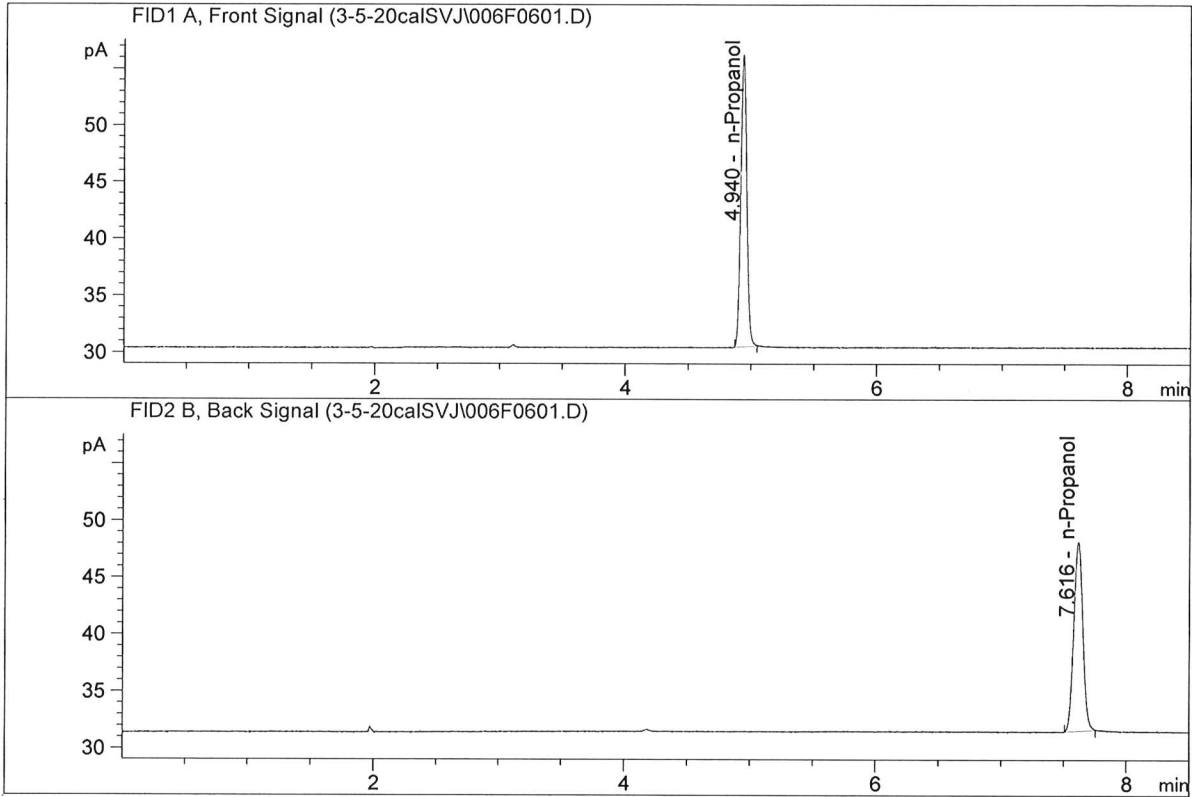


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	95.98539	0.5035	g/100cc
2.	Ethanol	Column 2:	97.13798	0.5033	g/100cc
3.	n-Propanol	Column 1:	93.86426	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.12114	1.0000	g/100cc

SWA

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 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:	84.32757	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.91442	1.0000	g/100cc

MS

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Thursday, March 05, 2020 11:59:59 AM
Signals calculated separately : No

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

Curve Type : Linear
Origin : Forced
Weight : Equal

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

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

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

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

Signal Details

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

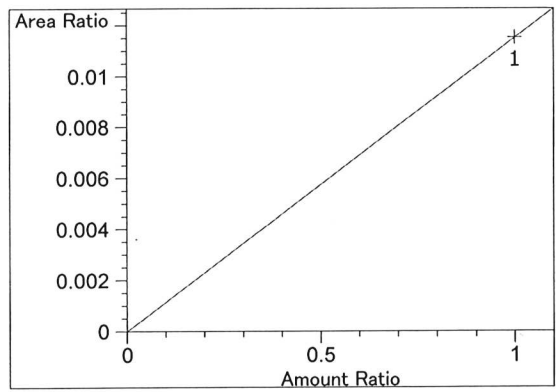
Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
1.977	2	1	1.00000	1.06794	9.36380e-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	9.39152	5.32395e-3	No	No	1 Ethanol
			1.00000e-1	17.94076	5.57390e-3			
			2.00000e-1	35.47419	5.63790e-3			
			3.00000e-1	55.65358	5.39049e-3			
			5.00000e-1	95.98539	5.20913e-3			
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2 Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1 Isopropyl alcohol
4.178	2	1	5.00000e-2	9.44847	5.29186e-3	No	No	2 Ethanol
			1.00000e-1	17.99685	5.55653e-3			
			2.00000e-1	35.96029	5.56169e-3			
			3.00000e-1	56.43635	5.31572e-3			
			5.00000e-1	97.13798	5.14732e-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
4.939	1	1	1.00000	93.15646	1.07346e-2	No	Yes	1 n-Propanol
			1.00000	91.26556	1.09570e-2			
			1.00000	89.70927	1.11471e-2			
			1.00000	91.66029	1.09099e-2			
			1.00000	93.86426	1.06537e-2			
7.617	2	1	1.00000	92.69814	1.07877e-2	No	Yes	2 n-Propanol
			1.00000	90.75005	1.10193e-2			
			1.00000	88.96784	1.12400e-2			
			1.00000	90.91262	1.09996e-2			
			1.00000	93.12114	1.07387e-2			

Peak Sum Table

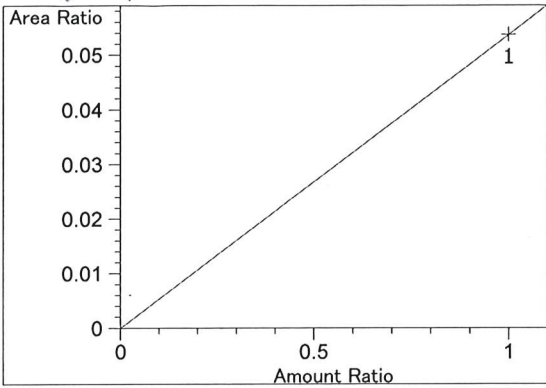
No Entries in table

Calibration Curves

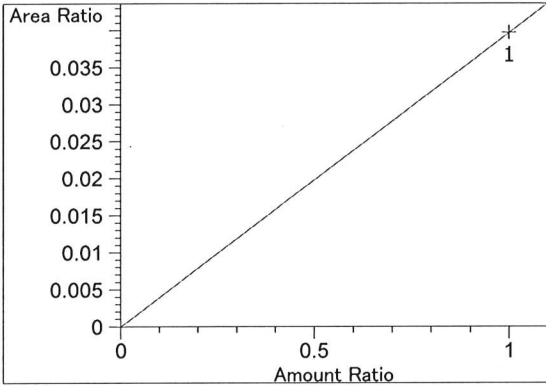


Difluoroethane at exp. RT: 1.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.15206e-2
 x: Amount Ratio
 y: Area Ratio

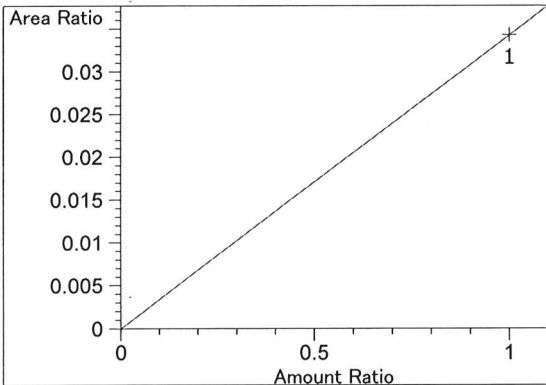
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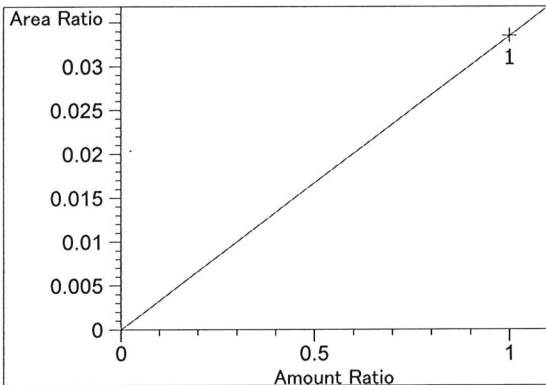
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 5.36731e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.96826e-2
x: Amount Ratio
y: Area Ratio

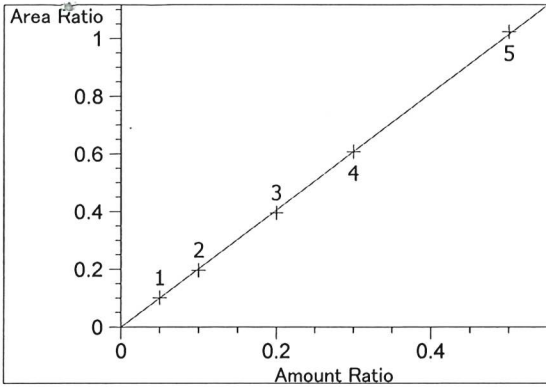


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.42768e-2
x: Amount Ratio
y: Area Ratio

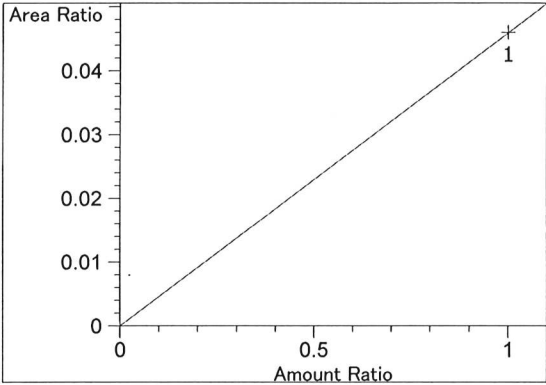


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.35039e-2
x: Amount Ratio
y: Area Ratio

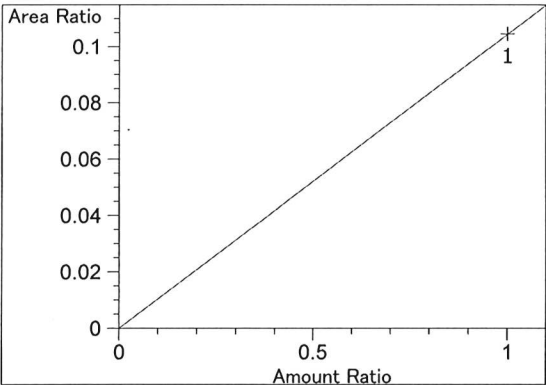
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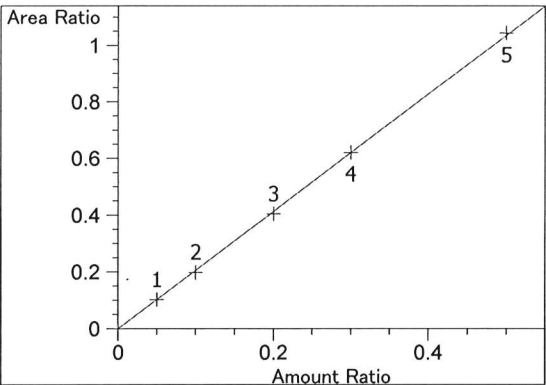
Ethanol at exp. RT: 3.107
 FID1 A, Front Signal
 Correlation: 0.99993
 Residual Std. Dev.: 0.00731
 Formula: $y = mx$
 m: 2.03117
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.211
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 4.59624e-2
 x: Amount Ratio
 y: Area Ratio

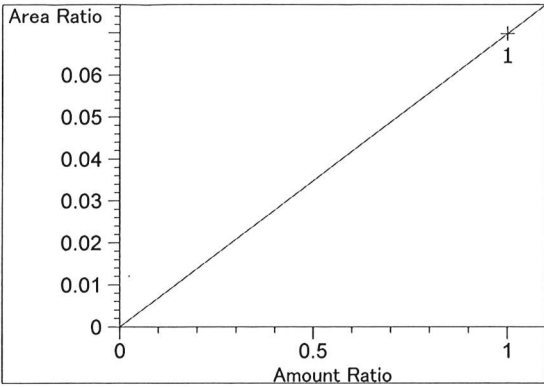


Isopropyl alcohol at exp. RT: 3.715
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.04454e-1
 x: Amount Ratio
 y: Area Ratio

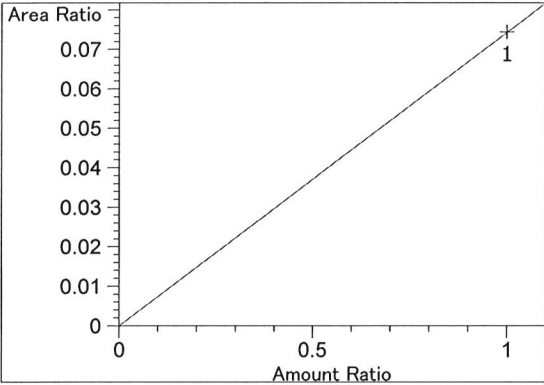


Ethanol at exp. RT: 4.178
 FID2 B, Back Signal
 Correlation: 0.99993
 Residual Std. Dev.: 0.00770
 Formula: $y = mx$
 m: 2.07278
 x: Amount Ratio
 y: Area Ratio

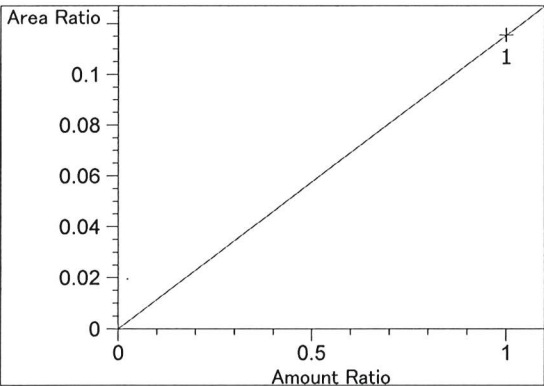
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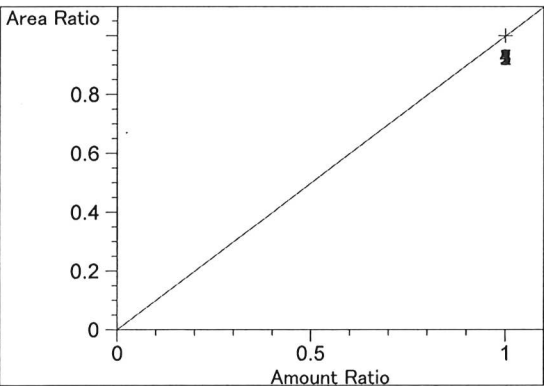
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: $6.97687e-2$
x: Amount Ratio
y: Area Ratio



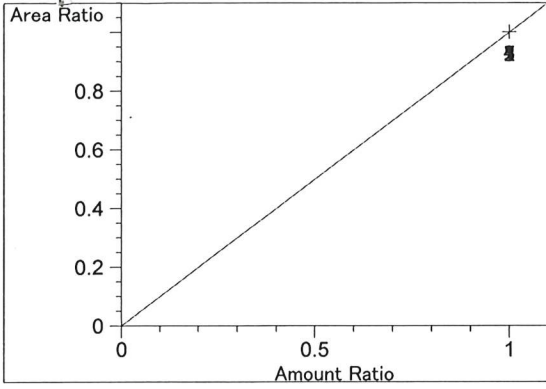
Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: $7.43597e-2$
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: $1.15498e-1$
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.939
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: 7.617
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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Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_05.03.2020_02.37.21\3-5-20.S
 Data directory path: C:\Chem32\1\Data\3-5-2020SVJ
 Logbook: C:\Chem32\1\Data\3-5-2020SVJ\3-5-20.LOG
 Sequence start: 3/5/2020 2:51:08 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

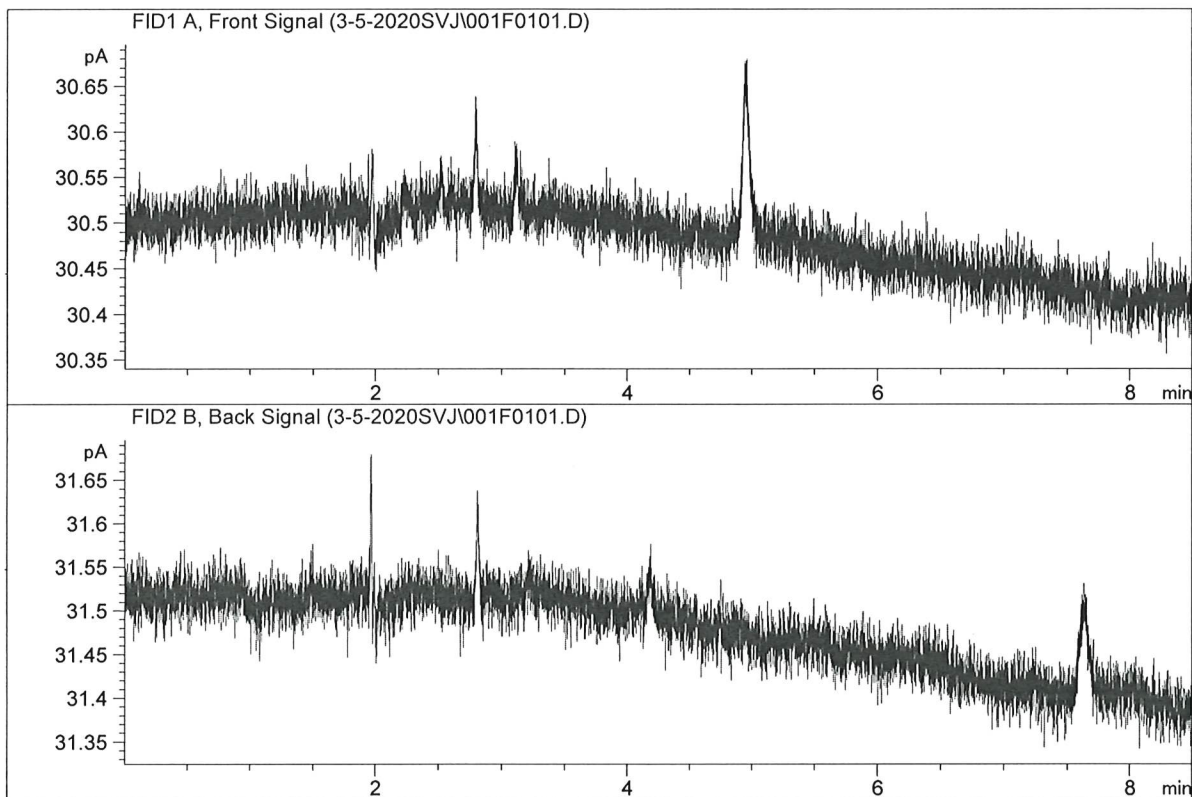
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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-2(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-2(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09181807-	-	1.0000	007F0701.D		4
8	8	1	C2019-2063-1-A	-	1.0000	008F0801.D		6
9	9	1	C2019-2063-1-B	-	1.0000	009F0901.D		6
10	10	1	C2020-0300-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-0300-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-0310-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-0310-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-0334-1-A	-	1.0000	014F1401.D		4
15	15	1	C2020-0334-1-B	-	1.0000	015F1501.D		4
16	16	1	C2020-0336-1-A	-	1.0000	016F1601.D		4
17	17	1	C2020-0336-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-0336-2-A	-	1.0000	018F1801.D		4
19	19	1	C2020-0336-2-B	-	1.0000	019F1901.D		4
20	20	1	C2020-0336-3-A	-	1.0000	020F2001.D		4
21	21	1	C2020-0336-3-B	-	1.0000	021F2101.D		4
22	22	1	C2020-0336-4-A	-	1.0000	022F2201.D		4
23	23	1	C2020-0336-4-B	-	1.0000	023F2301.D		4
24	24	1	C2020-0342-1-A	-	1.0000	024F2401.D		4
25	25	1	C2020-0342-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-1(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-1(1)-B	-	1.0000	027F2701.D		4
28	28	1	C2020-0352-1-A	-	1.0000	028F2801.D		4
29	29	1	C2020-0352-1-B	-	1.0000	029F2901.D		4
30	30	1	C2020-0357-1-A	-	1.0000	030F3001.D		4
31	31	1	C2020-0357-1-B	-	1.0000	031F3101.D		4
32	32	1	C2020-0382-1-A	-	1.0000	032F3201.D		2
33	33	1	C2020-0382-1-B	-	1.0000	033F3301.D		2
34	34	1	C2020-0384-1-A	-	1.0000	034F3401.D		4
35	35	1	C2020-0384-1-B	-	1.0000	035F3501.D		4
36	36	1	C2020-0385-1-A	-	1.0000	036F3601.D		4
37	37	1	C2020-0385-1-B	-	1.0000	037F3701.D		4
38	38	1	C2020-0401-1-A	-	1.0000	038F3801.D		4
39	39	1	C2020-0401-1-B	-	1.0000	039F3901.D		4
40	40	1	C2020-0402-1-A	-	1.0000	040F4001.D		4
41	41	1	C2020-0402-1-B	-	1.0000	041F4101.D		4
42	42	1	C2020-0406-1-A	-	1.0000	042F4201.D		4
43	43	1	C2020-0406-1-B	-	1.0000	043F4301.D		4
44	44	1	C2020-0422-1-A	-	1.0000	044F4401.D		4
45	45	1	C2020-0422-1-B	-	1.0000	045F4501.D		4
46	46	1	QC-2(2)-A	-	1.0000	046F4601.D		4

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	QC-2(2)-B	-	1.0000	047F4701.D	4	4
48	48	1	0.050	-	1.0000	048F4801.D	4	4
49	49	1	0.100	-	1.0000	049F4901.D	4	4
50	50	1	0.200	-	1.0000	050F5001.D	4	4
51	51	1	0.300	-	1.0000	051F5101.D	4	4
52	52	1	0.500	-	1.0000	052F5201.D	4	4
53	53	1	ISTD BLANK-2	-	1.0000	053F5301.D	2	2
54	54	1	water-2	-	1.0000	054F5401.D	0	0

ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

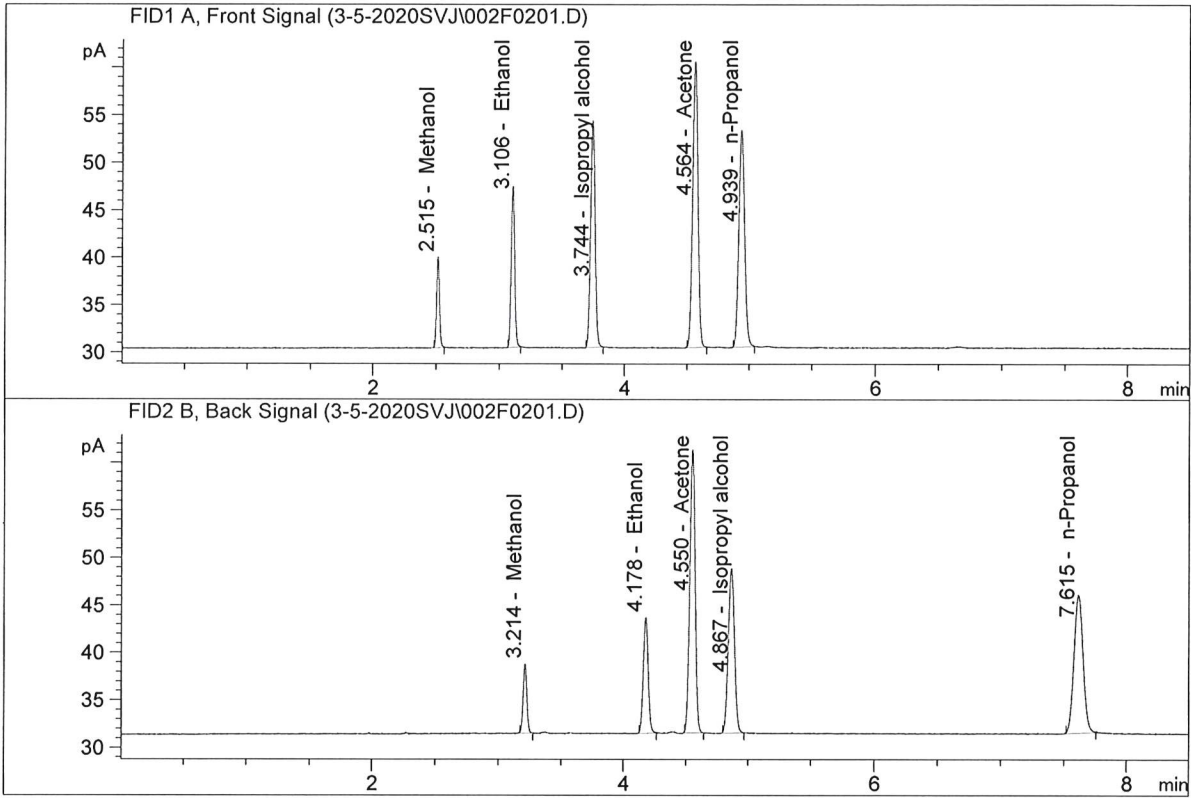


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

AWX

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

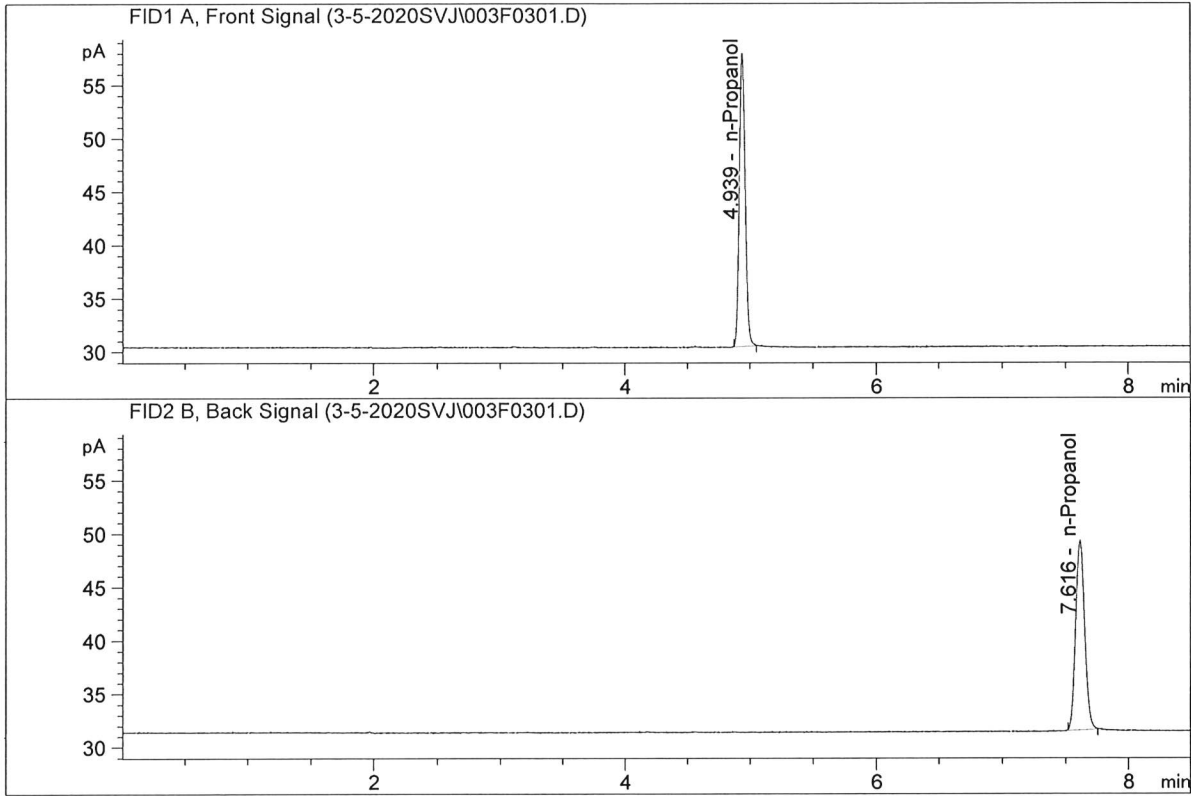


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.29843	0.2201	g/100cc
2.	Ethanol	Column 2:	33.53454	0.2210	g/100cc
3.	n-Propanol	Column 1:	74.47117	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.20286	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

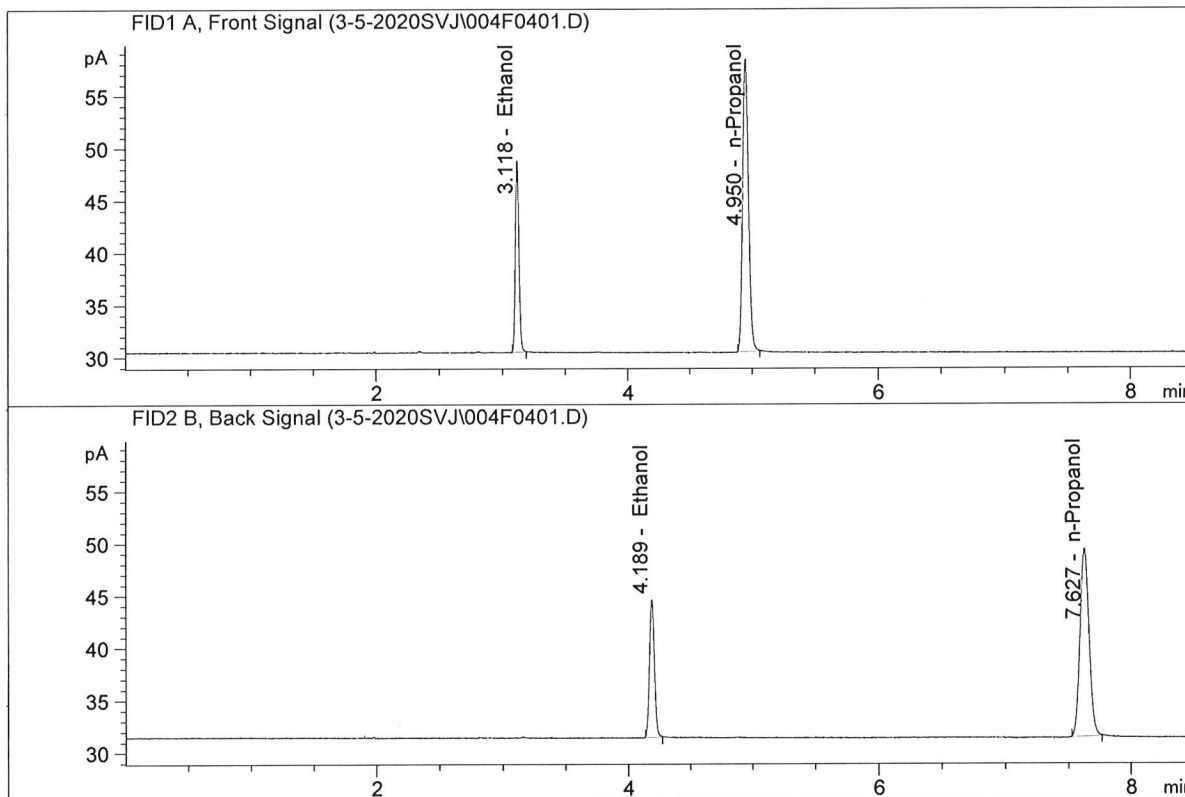


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	90.26582	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.10166	1.0000	g/100cc

SW

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

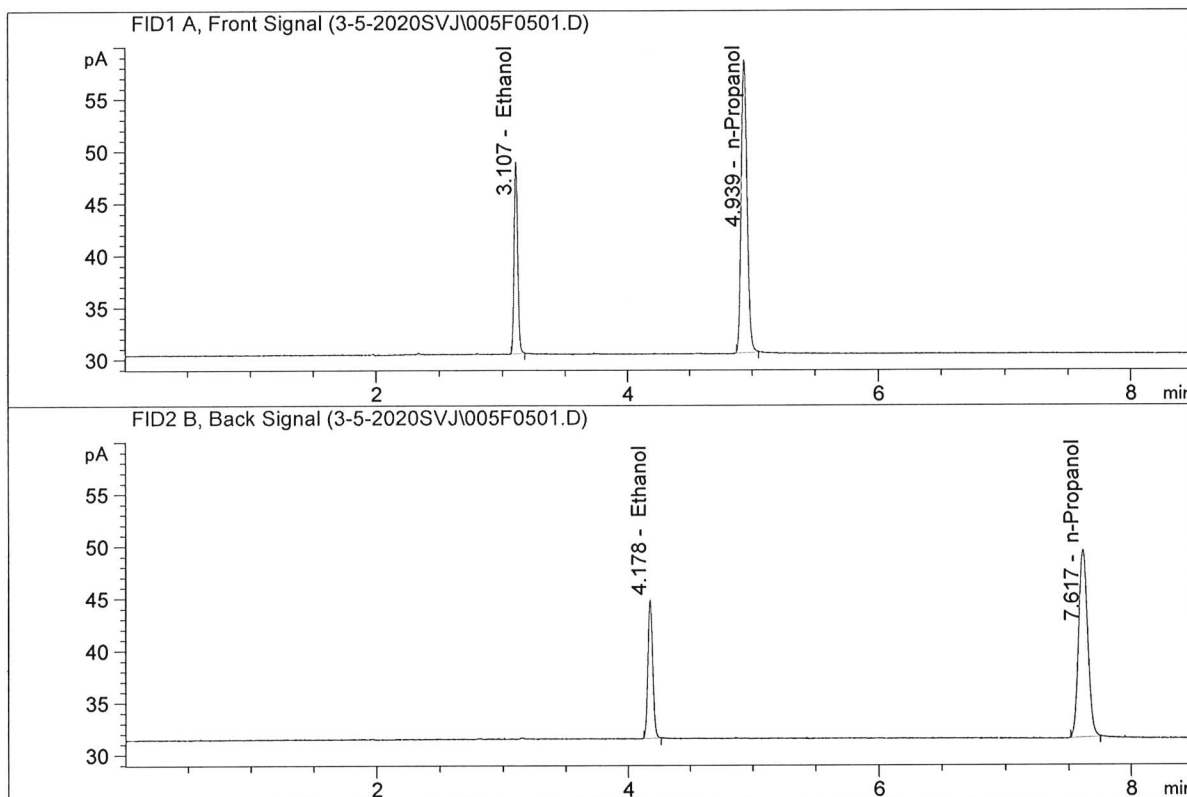


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.92535	0.1931	g/100cc
2.	Ethanol	Column 2:	36.14924	0.1934	g/100cc
3.	n-Propanol	Column 1:	91.61839	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.16853	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.99255	0.1924	g/100cc
2.	Ethanol	Column 2:	36.23530	0.1929	g/100cc
3.	n-Propanol	Column 1:	92.08763	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.62167	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)

Analysis Date(s): 05 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1931	0.1934	0.0003	0.1932	0.0006	0.1929
(g/100cc)	0.1924	0.1929	0.0005	0.1926		

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%

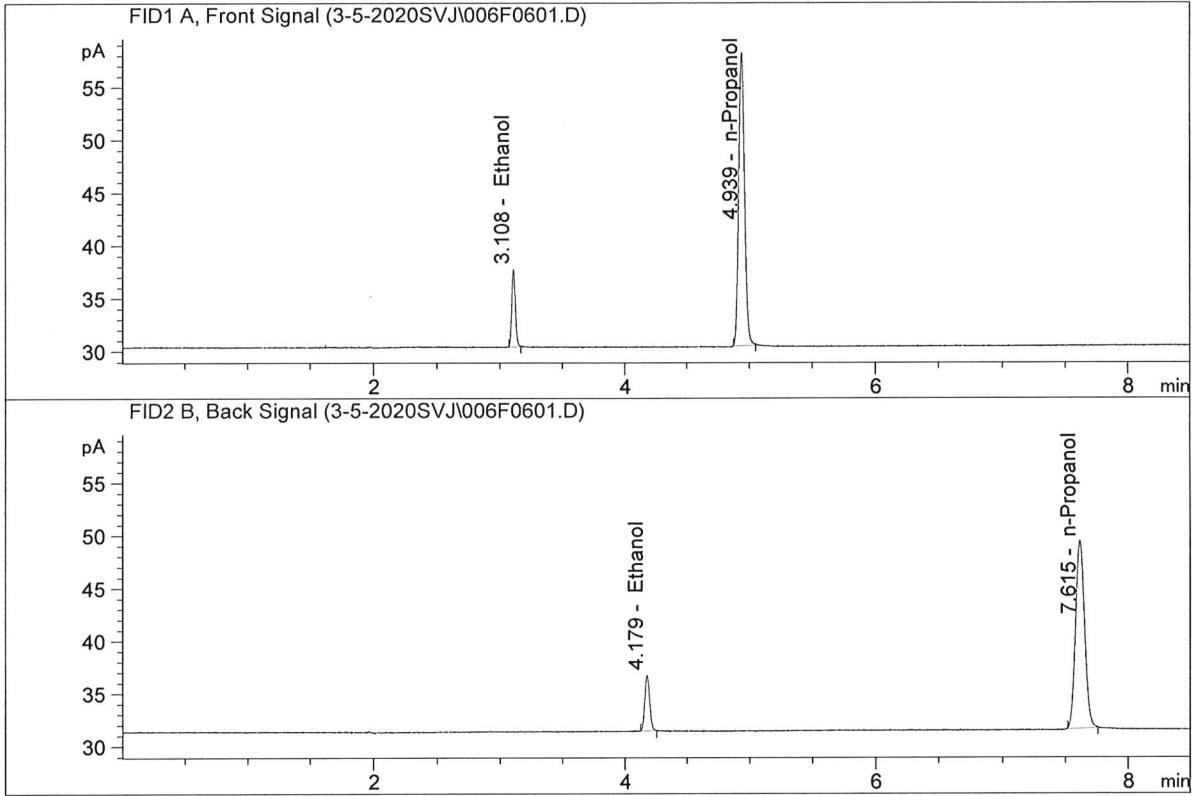
Overall Mean (g/100cc)	Low	High	5% of Mean
0.192	0.182	0.202	0.010

Reported Result	
0.192	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

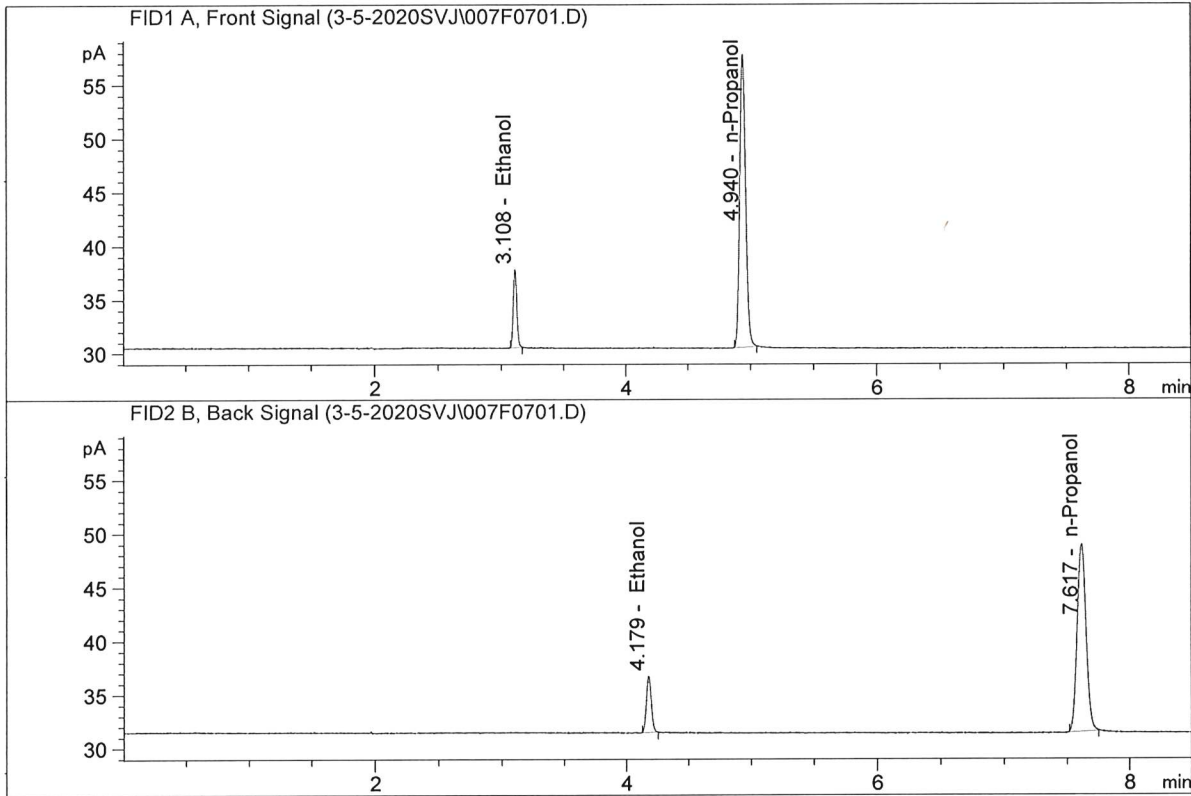


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.42578	0.0781	g/100cc
2.	Ethanol	Column 2:	14.53247	0.0779	g/100cc
3.	n-Propanol	Column 1:	90.89638	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.96939	1.0000	g/100cc

[Handwritten signature]

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.38245	0.0792	g/100cc
2.	Ethanol	Column 2:	14.56232	0.0797	g/100cc
3.	n-Propanol	Column 1:	89.40116	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.13723	1.0000	g/100cc

[Handwritten signature]

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 05 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0781	0.0779	0.0002	0.0780	0.0014	0.0787
(g/100cc)	0.0792	0.0797	0.0005	0.0794		

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.

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 05 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0752	0.0755	0.0003	0.0753	0.0000	0.0753
(g/100cc)	0.0752	0.0754	0.0002	0.0753		

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%

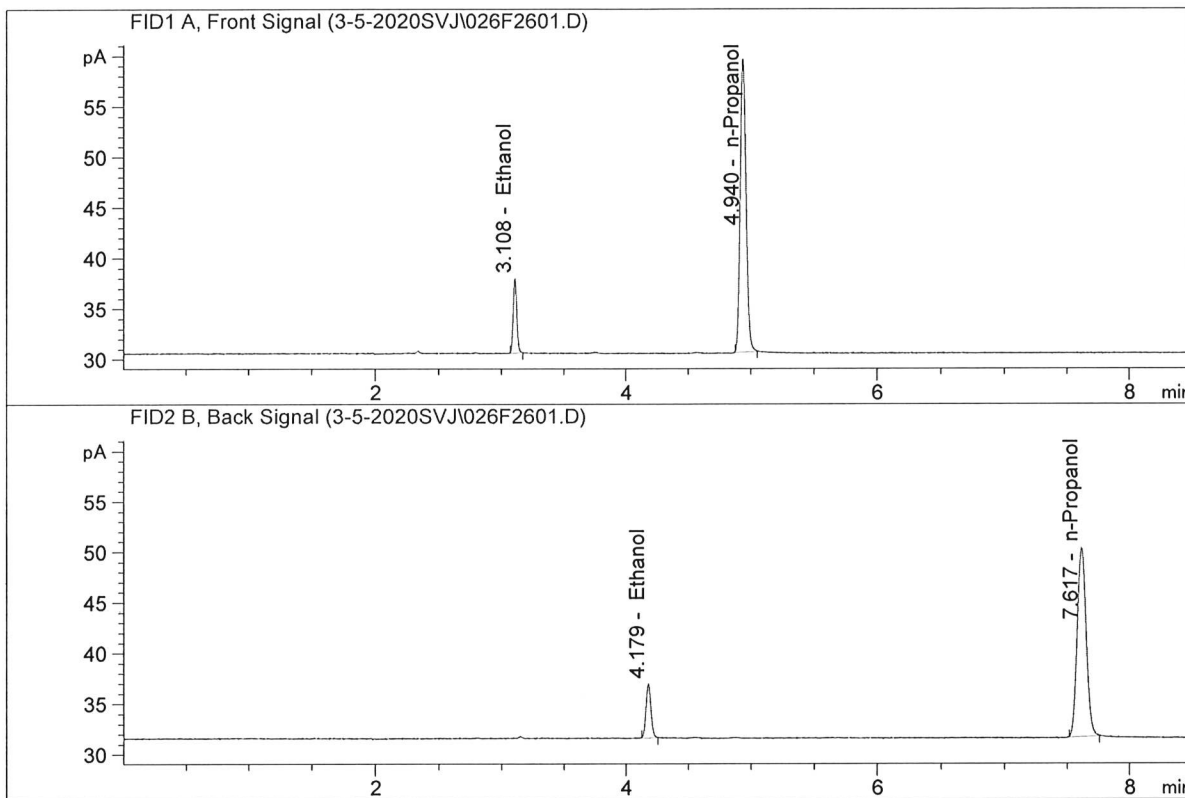
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	0.071	0.079	0.004

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

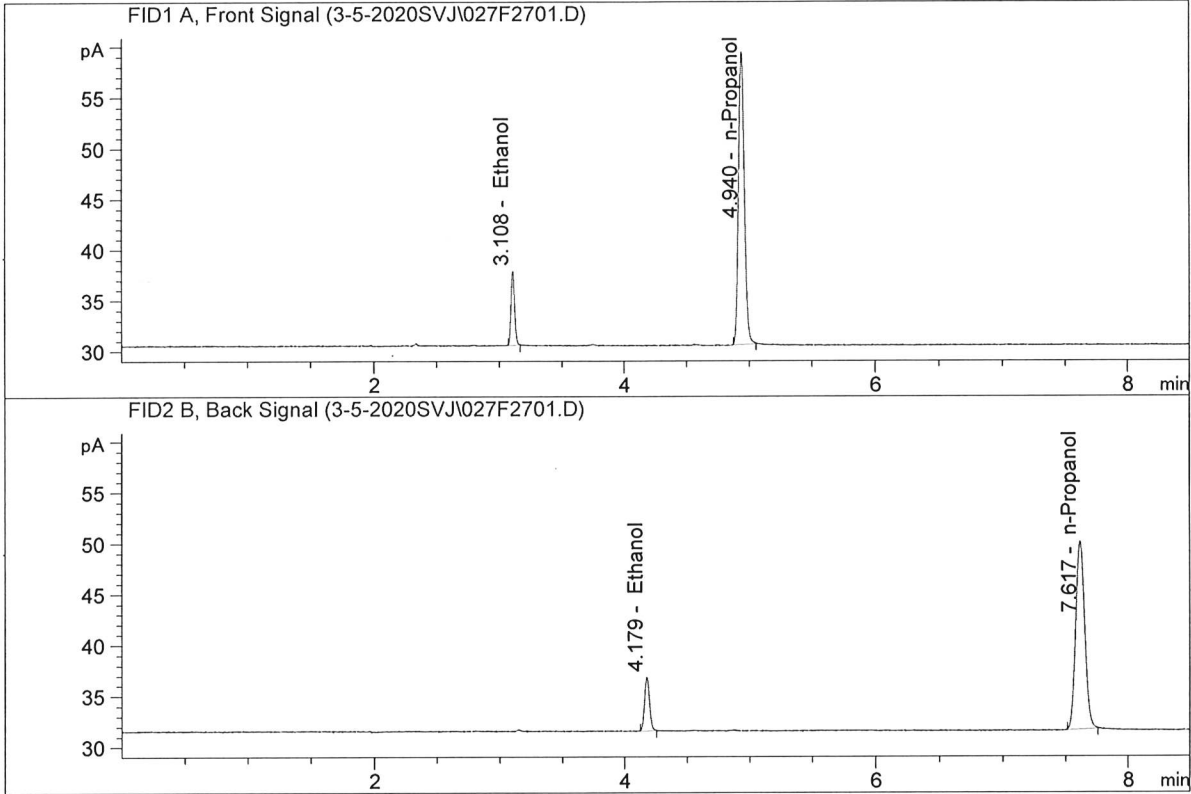


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.53173	0.0752	g/100cc
2.	Ethanol	Column 2:	14.67823	0.0755	g/100cc
3.	n-Propanol	Column 1:	95.08201	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.83074	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.43889	0.0752	g/100cc
2.	Ethanol	Column 2:	14.56262	0.0754	g/100cc
3.	n-Propanol	Column 1:	94.53718	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.17052	1.0000	g/100cc

AD

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2)

Analysis Date(s): 05 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1979	0.1985	0.0006	0.1982	0.0014	0.1989
(g/100cc)	0.1991	0.2001	0.0010	0.1996		

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%

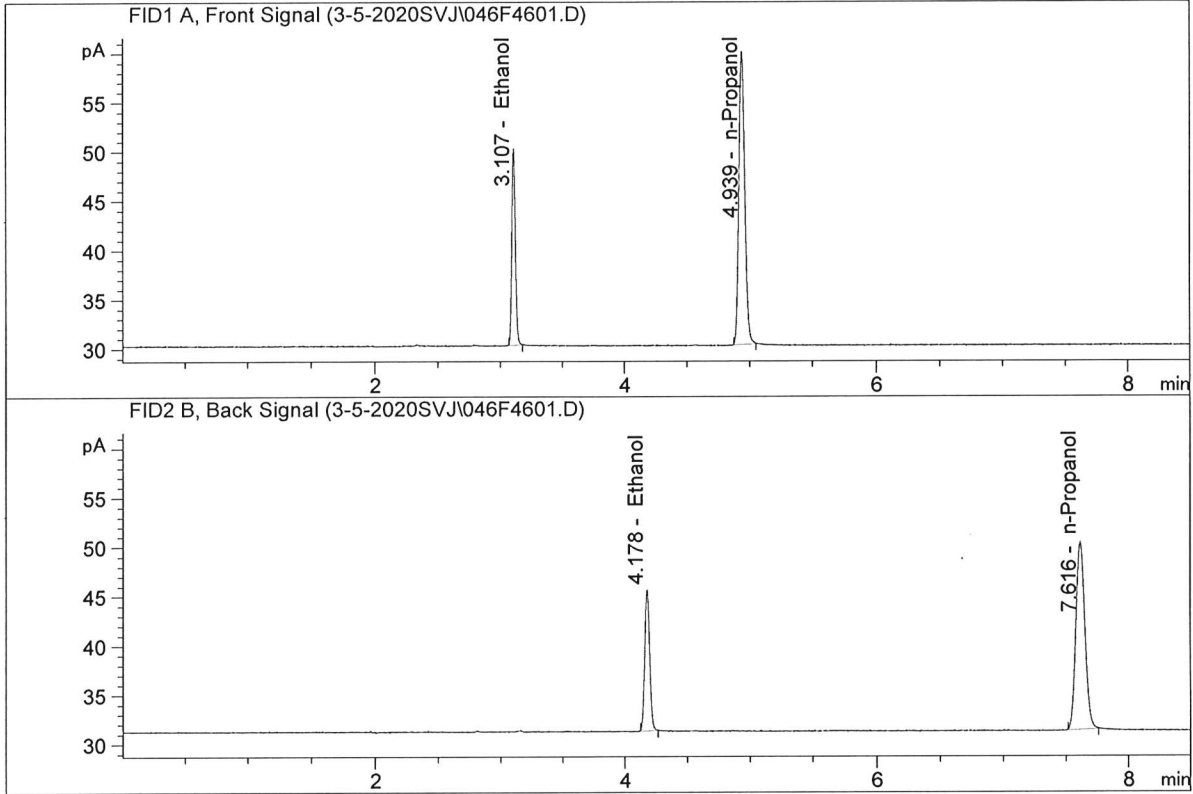
Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

Reported Result	
0.198	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2 (2) -A
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

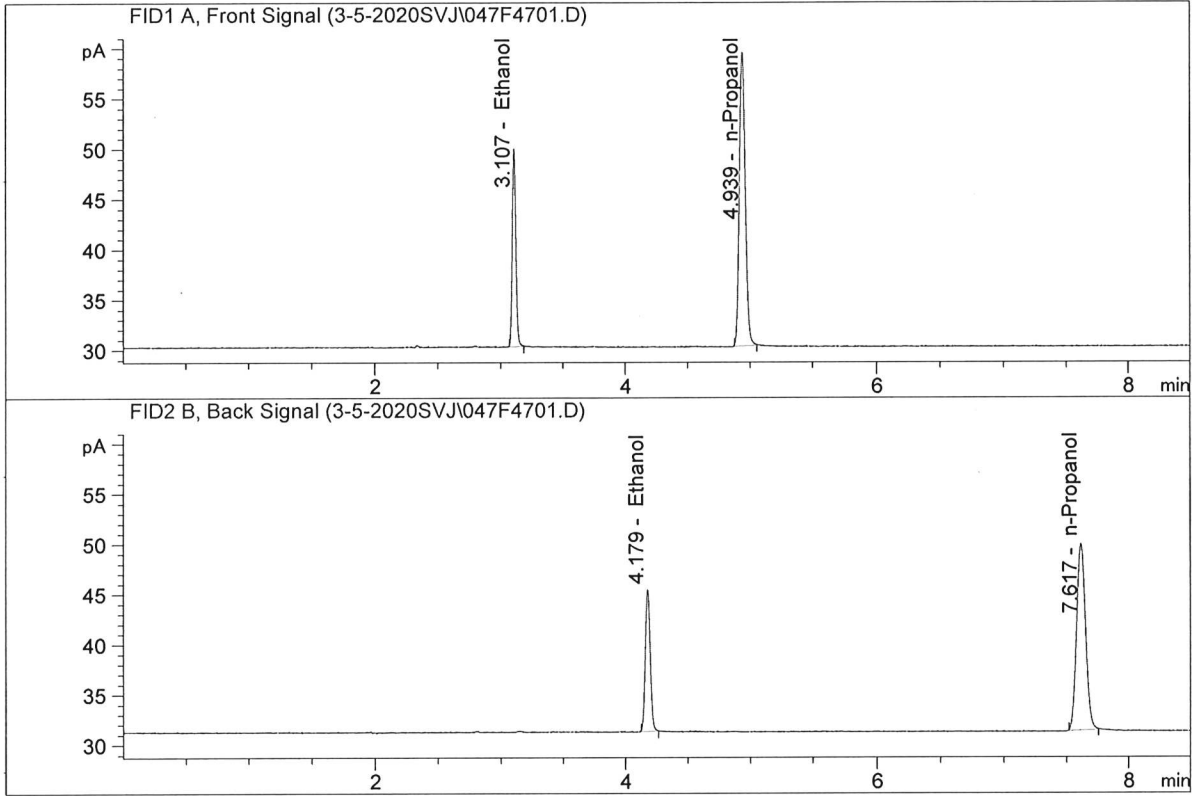


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	39.25485	0.1979	g/100cc
2.	Ethanol	Column 2:	39.41054	0.1985	g/100cc
3.	n-Propanol	Column 1:	97.63406	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.78557	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

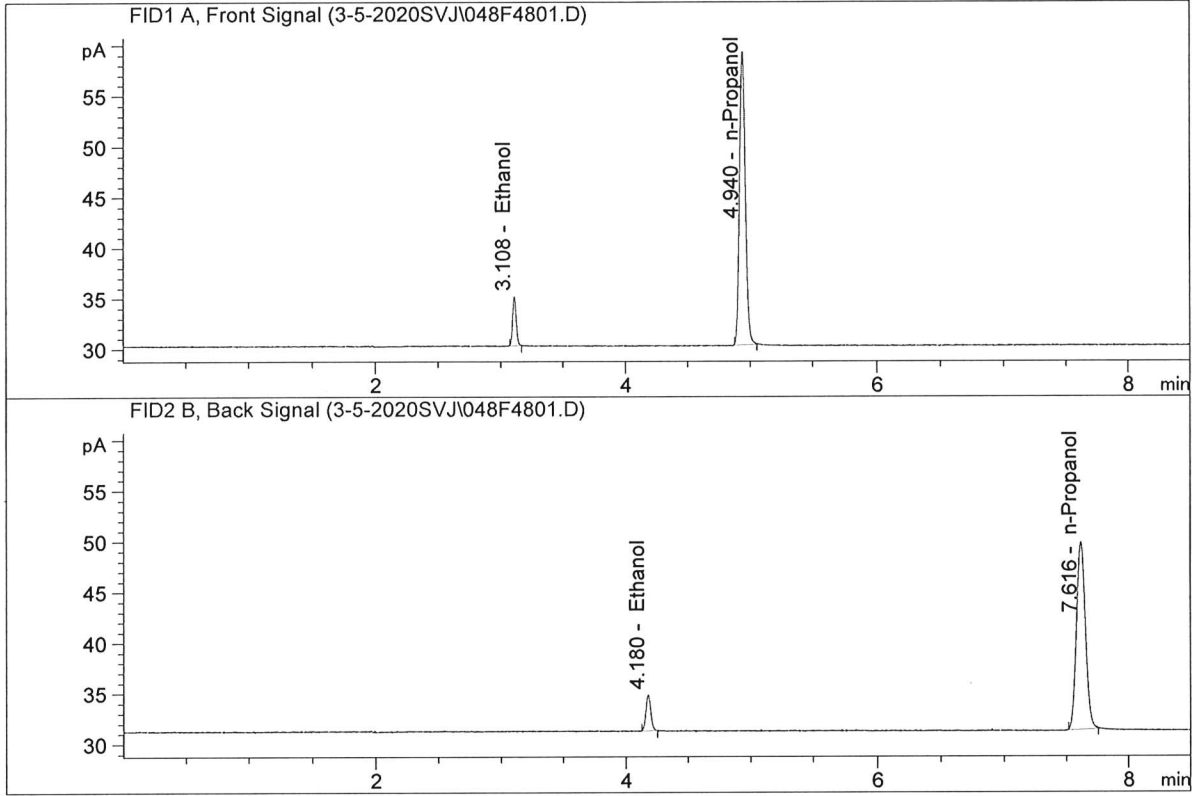


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.84174	0.1991	g/100cc
2.	Ethanol	Column 2:	38.89633	0.2001	g/100cc
3.	n-Propanol	Column 1:	96.04658	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.76493	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

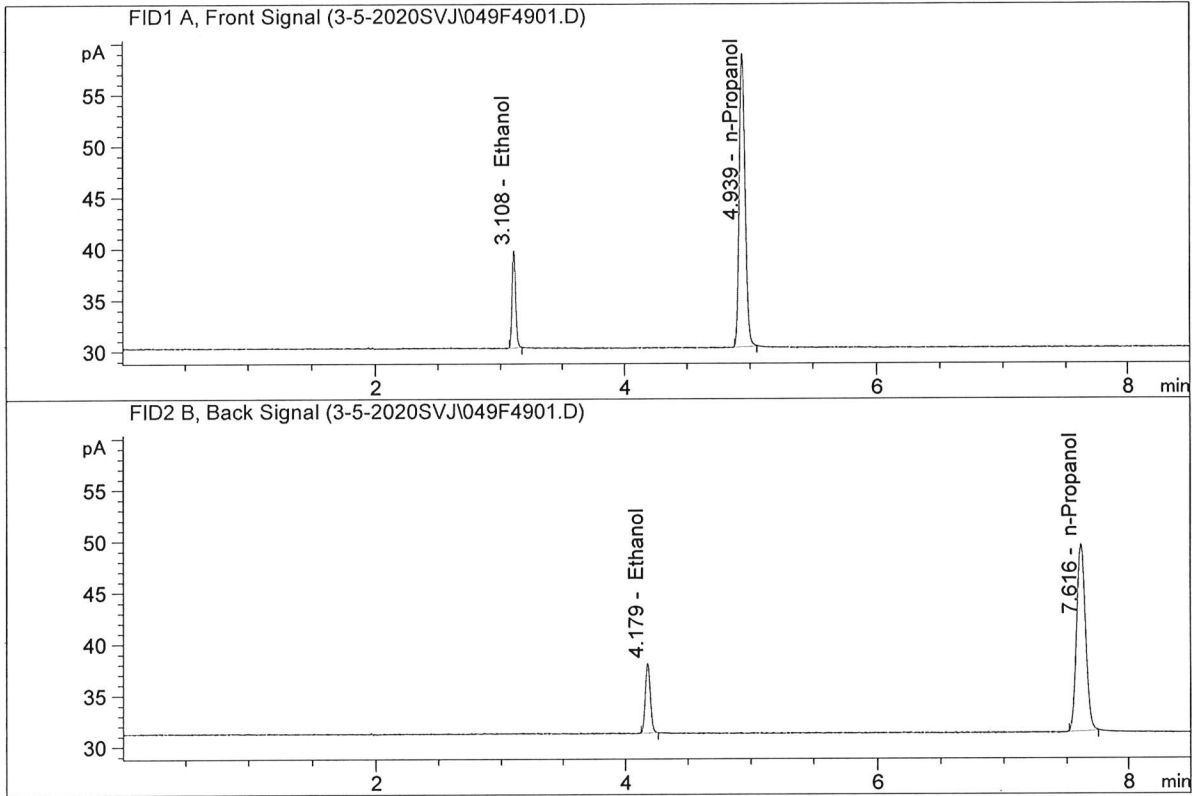


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.74326	0.0504	g/100cc
2.	Ethanol	Column 2:	9.73467	0.0504	g/100cc
3.	n-Propanol	Column 1:	95.12397	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.11985	1.0000	g/100cc

AM

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

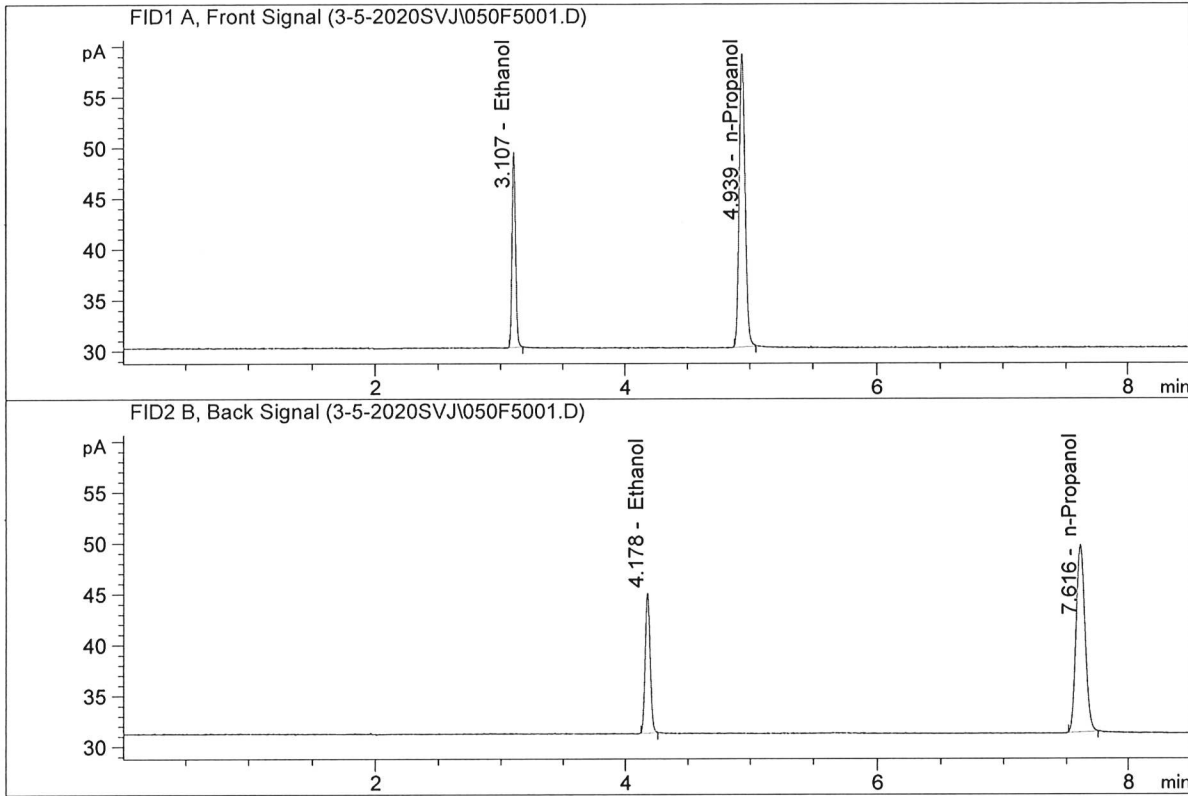


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.77154	0.0983	g/100cc
2.	Ethanol	Column 2:	18.75166	0.0986	g/100cc
3.	n-Propanol	Column 1:	93.97282	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.71398	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

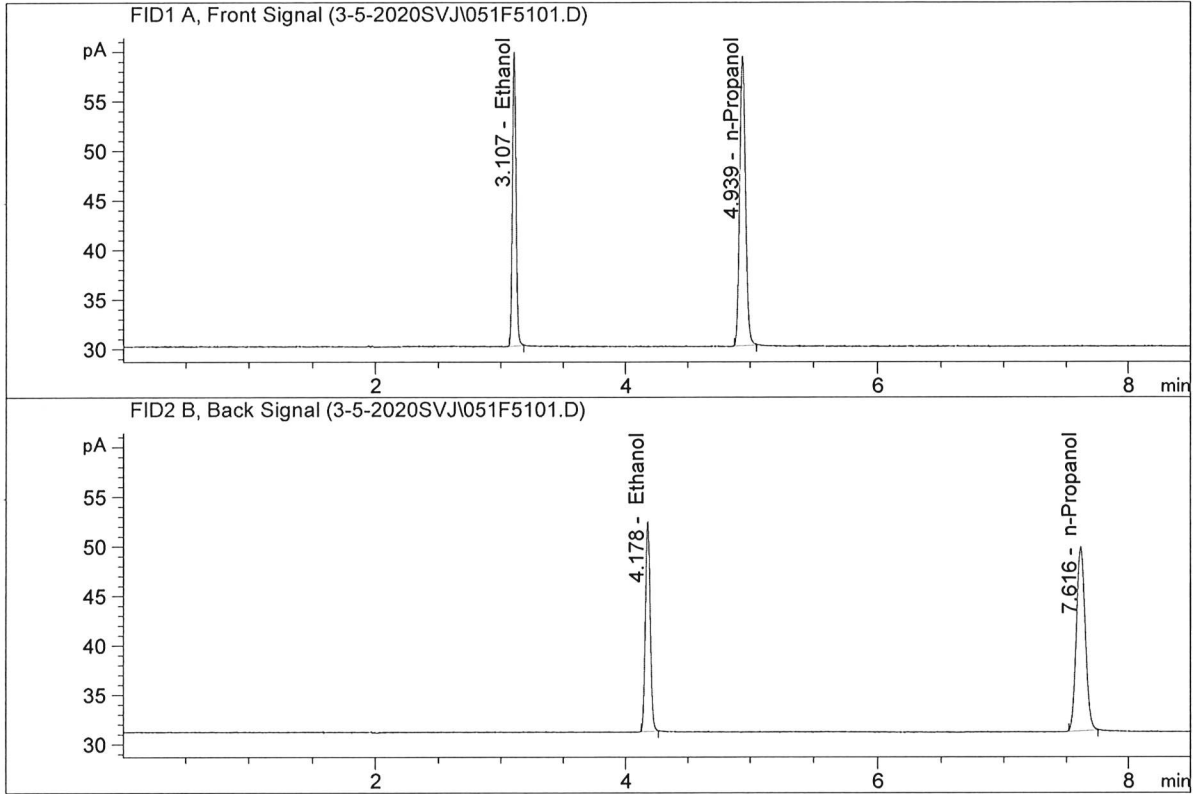


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.83263	0.1966	g/100cc
2.	Ethanol	Column 2:	37.73402	0.1971	g/100cc
3.	n-Propanol	Column 1:	94.72456	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.37545	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Mar 5, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

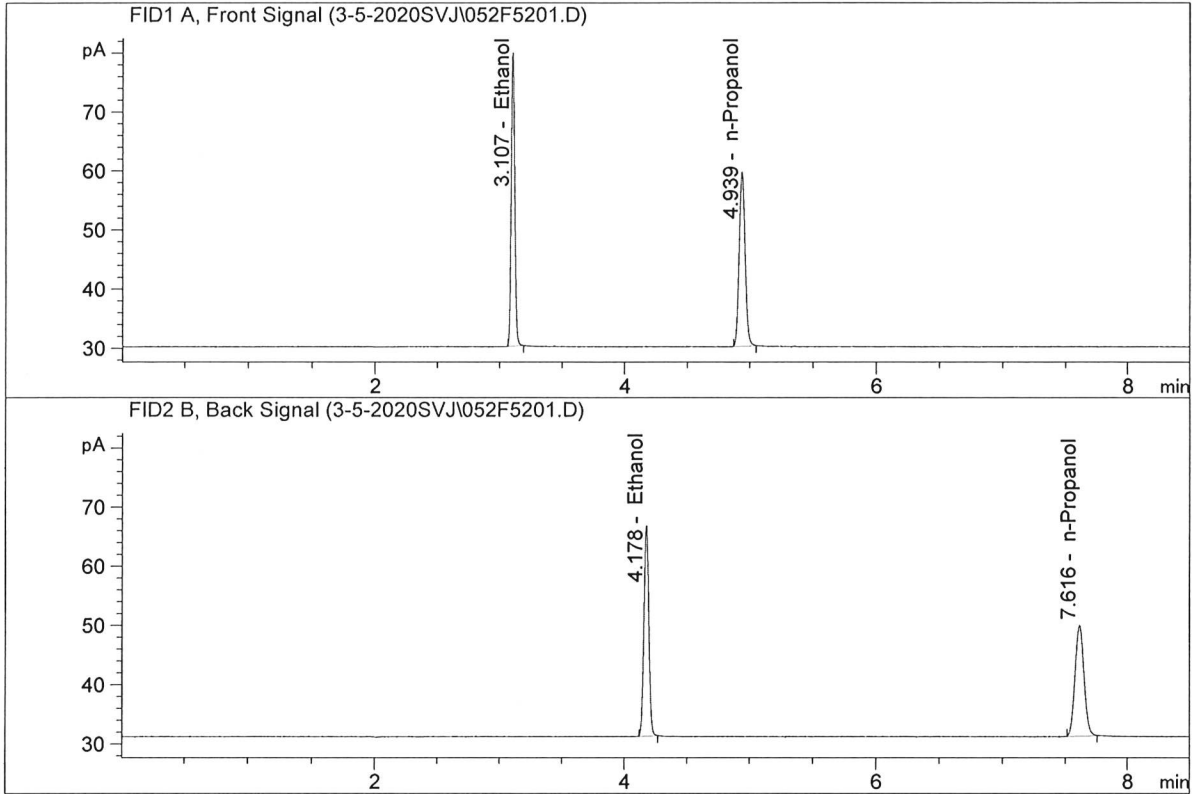


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	58.24709	0.2984	g/100cc
2.	Ethanol	Column 2:	58.13154	0.3000	g/100cc
3.	n-Propanol	Column 1:	96.08619	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.47984	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Mar 6, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

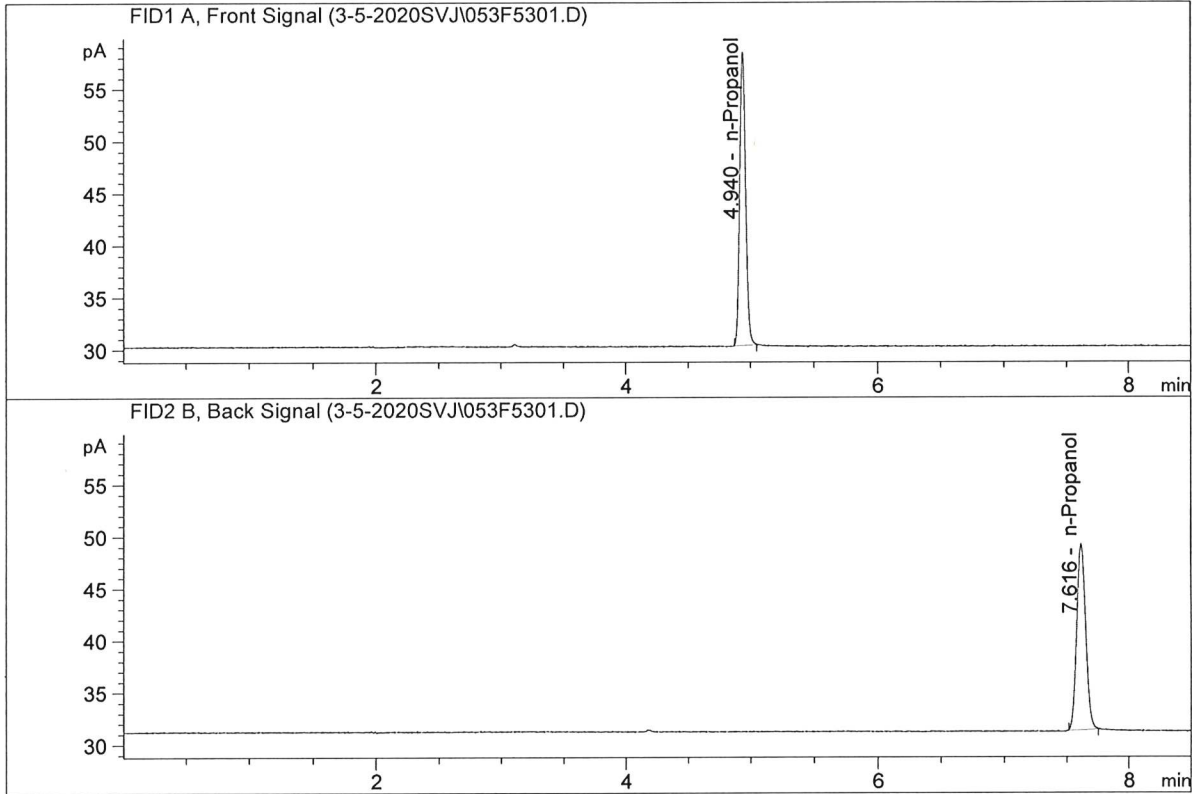


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	97.33117	0.4964	g/100cc
2.	Ethanol	Column 2:	97.29594	0.5010	g/100cc
3.	n-Propanol	Column 1:	96.52959	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.69443	1.0000	g/100cc

AN

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
 Laboratory : Coeur d' Alene
 Injection Date : Mar 6, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

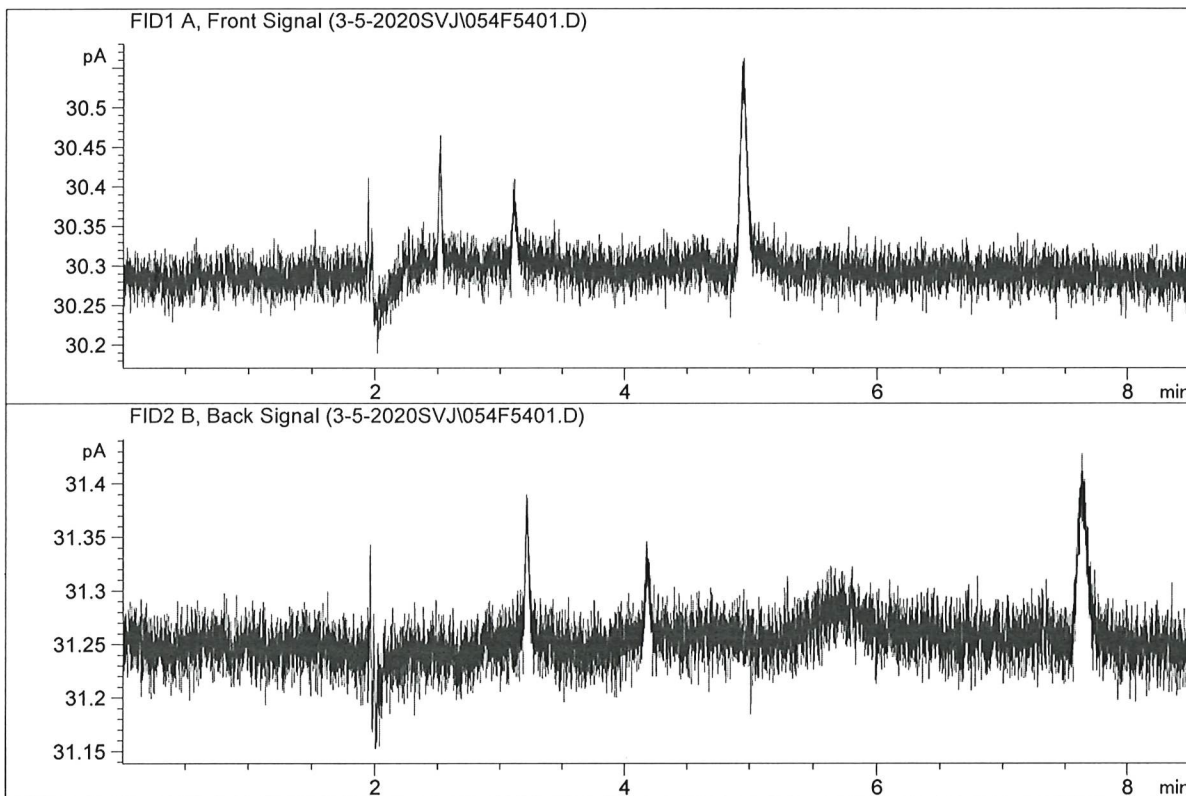


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	92.50416	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.04122	1.0000	g/100cc

MSD

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
 Laboratory : Coeur d' Alene
 Injection Date : Mar 6, 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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