

MB

**REVIEWED**

By Melissa (Nikka) Bradley at 9:42 am, Oct 23, 2020

10/22/2020

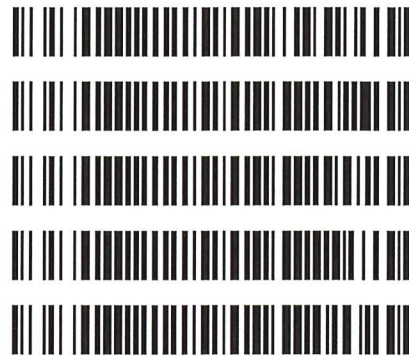
**Worklist: 4574**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-1992	1	AVK	Alcohol Analysis	
C2020-2017	1	BCK	Alcohol Analysis	
C2020-2018	1	BCK	Alcohol Analysis	
C2020-2035	1	BCK	Alcohol Analysis	
C2020-2088	1	BCK	Alcohol Analysis	
M2020-3700	1	BCK	Alcohol Analysis	
P2020-2822	2	BCK	Alcohol Analysis	
P2020-2927	1	BCK	Alcohol Analysis	
P2020-2928	1	BCK	Alcohol Analysis	
P2020-2929	1	BCK	Alcohol Analysis	
P2020-2930	1	BCK	Alcohol Analysis	
P2020-2931	1	BCK	Alcohol Analysis	
P2020-2931	2	BCK	Alcohol Analysis	
P2020-2932	1	BCK	Alcohol Analysis	
P2020-2934	1	BCK	Alcohol Analysis	
P2020-2938	1	BCK	Alcohol Analysis	
P2020-2977	1	BCK	Alcohol Analysis	
P2020-2983	1	BCK	Alcohol Analysis	
P2020-2990	1	BCK	Alcohol Analysis	
P2020-3012	1	BCK	Alcohol Analysis	
P2020-3017	1	BCK	Alcohol Analysis	

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**Worklist: 4574**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-3018	1	BCK	Alcohol Analysis
P2020-3072	1	BCK	Alcohol Analysis
P2020-3074	1	BCK	Alcohol Analysis
P2020-3074	2	BCK	Alcohol Analysis
P2020-3075	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): 10-21-20

Worksheet #4574

Control Level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0764 g/100cc
					0.0776 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1996 g/100cc
					0.2033 g/100cc
Multi-Component mixture:		Jul-22	Lot #	FN07101701	OK
Curve Fit:		Column 1	0.99999	Column2	0.99998

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0491	0.001	0.0496
100	0.100	0.090 - 0.110	0.0998	0.0983	0.0015	0.099
200	0.200	0.180 - 0.220	0.1986	0.1977	0.0009	0.1981
300	0.300	0.270 - 0.330	0.2980	0.2980	0	0.298
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5018	0.5025	0.0007	0.5021

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

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_21.10.2020\_11.31.33\10-21-2020cal.S  
 Data directory path: C:\Chem32\1\Data\10-21-2020CALSVJ  
 Logbook: C:\Chem32\1\Data\10-21-2020CALSVJ\10-21-2020cal.LOG  
 Sequence start: 10/21/2020 11:45:15 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	WATER	-	1.0000	001F0101.D		0
2	2	1	0.05	-	1.0000	002F0201.D	*	4
3	3	1	0.100	-	1.0000	003F0301.D	*	4
4	4	1	0.200	-	1.0000	004F0401.D	*	4
5	5	1	0.300	-	1.0000	005F0501.D	*	4
6	6	1	0.500	-	1.0000	006F0601.D	*	4
7	7	1	ISTD BLANK	-	1.0000	007F0701.D		2



=====  
Calibration Table  
=====

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General Calibration Setting  
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Calib. Data Modified : Wednesday, October 21, 2020 1:04:11 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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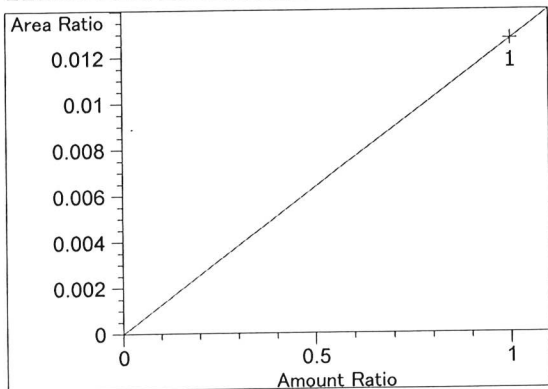


RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.165	2	1	1.00000	1.06794	9.36380e-1	No	No 2	Difluoroethane
2.213	1	1	1.00000	5.00000	2.00000e-1	No	No 1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No 1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No 1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No 2	Acetaldehyde
3.110	1	1	5.00000e-2	8.32730	6.00434e-3	No	No 1	Ethanol
		2	1.00000e-1	16.94399	5.90180e-3			
		3	2.00000e-1	34.14503	5.85737e-3			
		4	3.00000e-1	50.39016	5.95354e-3			
		5	5.00000e-1	87.21152	5.73319e-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
4.183	2	1	5.00000e-2	8.27137	6.04495e-3	No	No 2	Ethanol
		2	1.00000e-1	16.89573	5.91865e-3			
		3	2.00000e-1	34.35252	5.82199e-3			
		4	3.00000e-1	50.68654	5.91873e-3			
		5	5.00000e-1	87.74538	5.69831e-3			
4.567	2	1	1.00000	6.89301	1.45075e-1	No	No 2	Acetone
4.581	1	1	1.00000	6.49940	1.53860e-1	No	No 1	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No 2	Isopropyl alcohol
4.945	1	1	1.00000	87.03506	1.14896e-2	No	Yes 1	n-Propanol
		2	1.00000	88.96774	1.12400e-2			
		3	1.00000	90.07788	1.11015e-2			
		4	1.00000	88.57446	1.12899e-2			
		5	1.00000	91.04491	1.09836e-2			
7.627	2	1	1.00000	83.64700	1.19550e-2	No	Yes 2	n-Propanol
		2	1.00000	85.34971	1.17165e-2			
		3	1.00000	86.26738	1.15919e-2			
		4	1.00000	84.46078	1.18398e-2			
		5	1.00000	86.70728	1.15331e-2			

Peak Sum Table

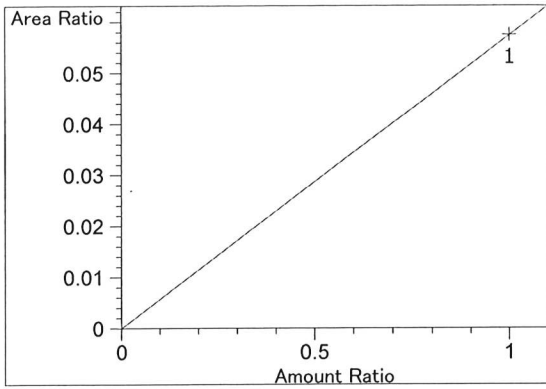
\*\*\*No Entries in table\*\*\*

Calibration Curves

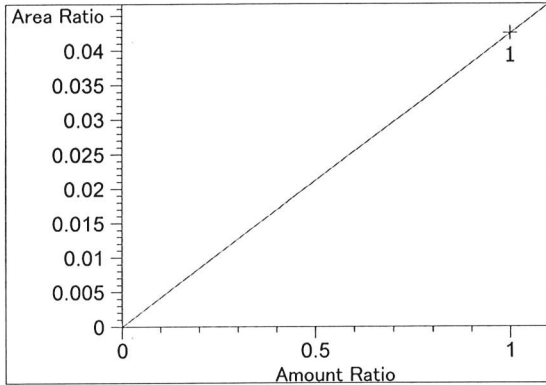


Difluoroethane at exp. RT: 2.165  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.27672e-2  
 x: Amount Ratio  
 y: Area Ratio

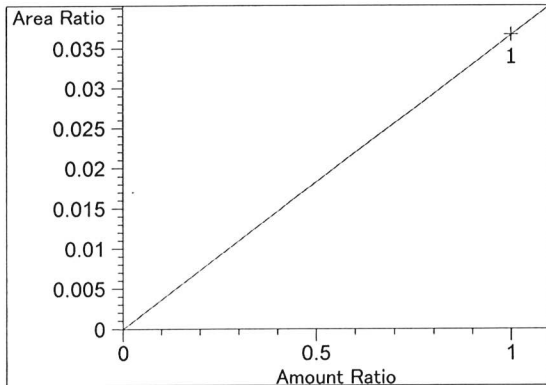
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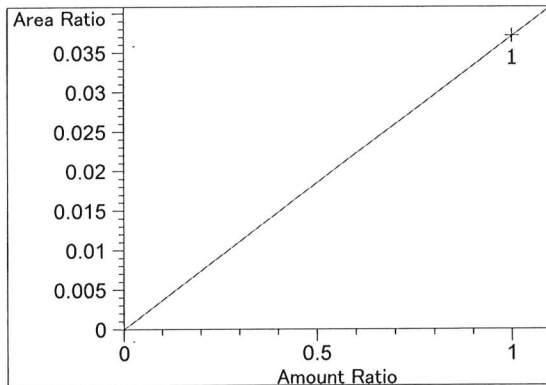
Difluoroethane at exp. RT: 2.213  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 5.74481e-2  
x: Amount Ratio  
y: Area Ratio



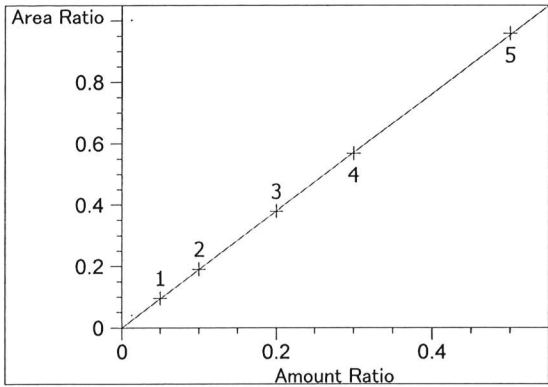
Methanol at exp. RT: 2.494  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 4.24736e-2  
x: Amount Ratio  
y: Area Ratio



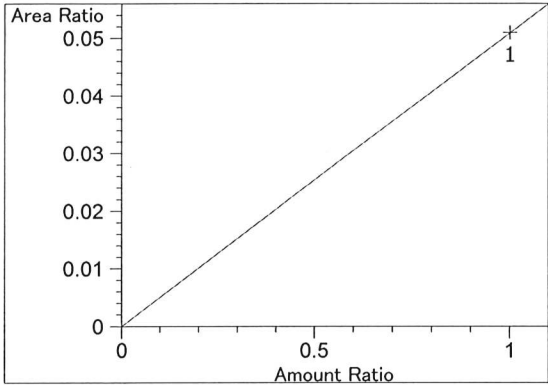
Acetaldehyde at exp. RT: 2.772  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.66876e-2  
x: Amount Ratio  
y: Area Ratio



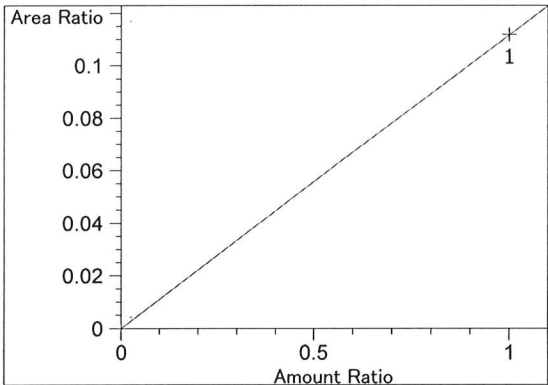
Acetaldehyde at exp. RT: 2.797  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.71292e-2  
x: Amount Ratio  
y: Area Ratio



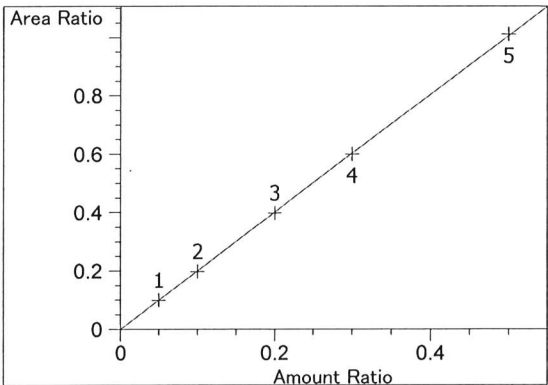
Ethanol at exp. RT: 3.110  
 FID1 A, Front Signal  
 Correlation: 0.99999  
 Residual Std. Dev.: 0.00290  
 Formula:  $y = mx$   
 m: 1.90894  
 x: Amount Ratio  
 y: Area Ratio



Methanol at exp. RT: 3.211  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 5.09358e-2  
 x: Amount Ratio  
 y: Area Ratio



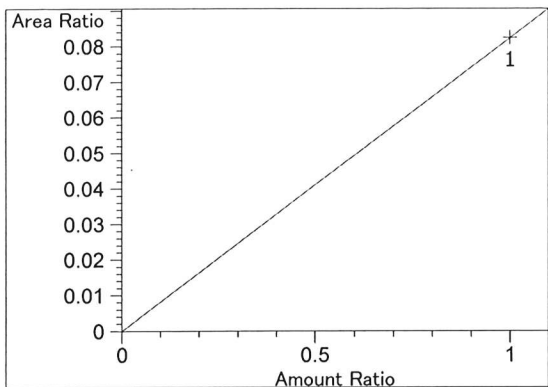
Isopropyl alcohol at exp. RT: 3.715  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.11800e-1  
 x: Amount Ratio  
 y: Area Ratio



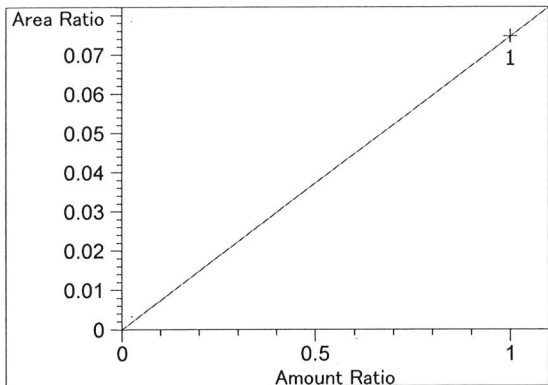
Ethanol at exp. RT: 4.183  
 FID2 B, Back Signal  
 Correlation: 0.99998  
 Residual Std. Dev.: 0.00440  
 Formula:  $y = mx$   
 m: 2.01377  
 x: Amount Ratio  
 y: Area Ratio

*PN*

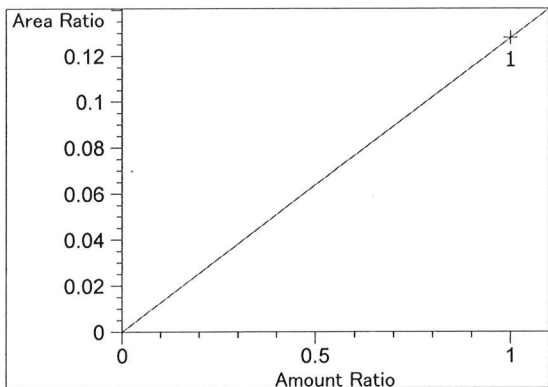




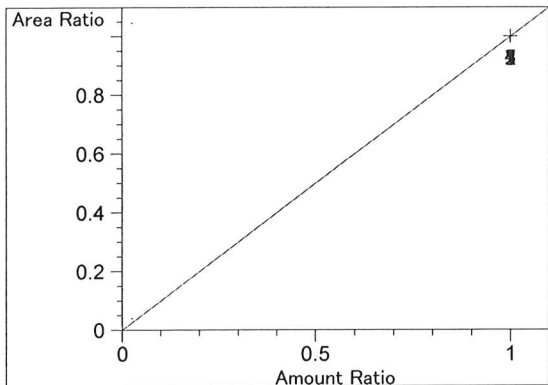
Acetone at exp. RT: 4.567  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 8.24059e-2  
x: Amount Ratio  
y: Area Ratio



Acetone at exp. RT: 4.581  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 7.46757e-2  
x: Amount Ratio  
y: Area Ratio

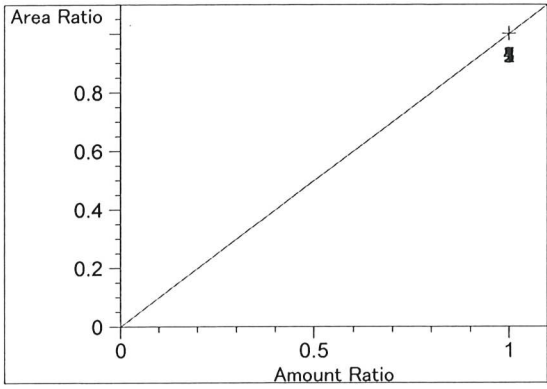


Isopropyl alcohol at exp. RT: 4.870  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.27995e-1  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 4.945  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00000  
x: Amount Ratio  
y: Area Ratio

*PNV*

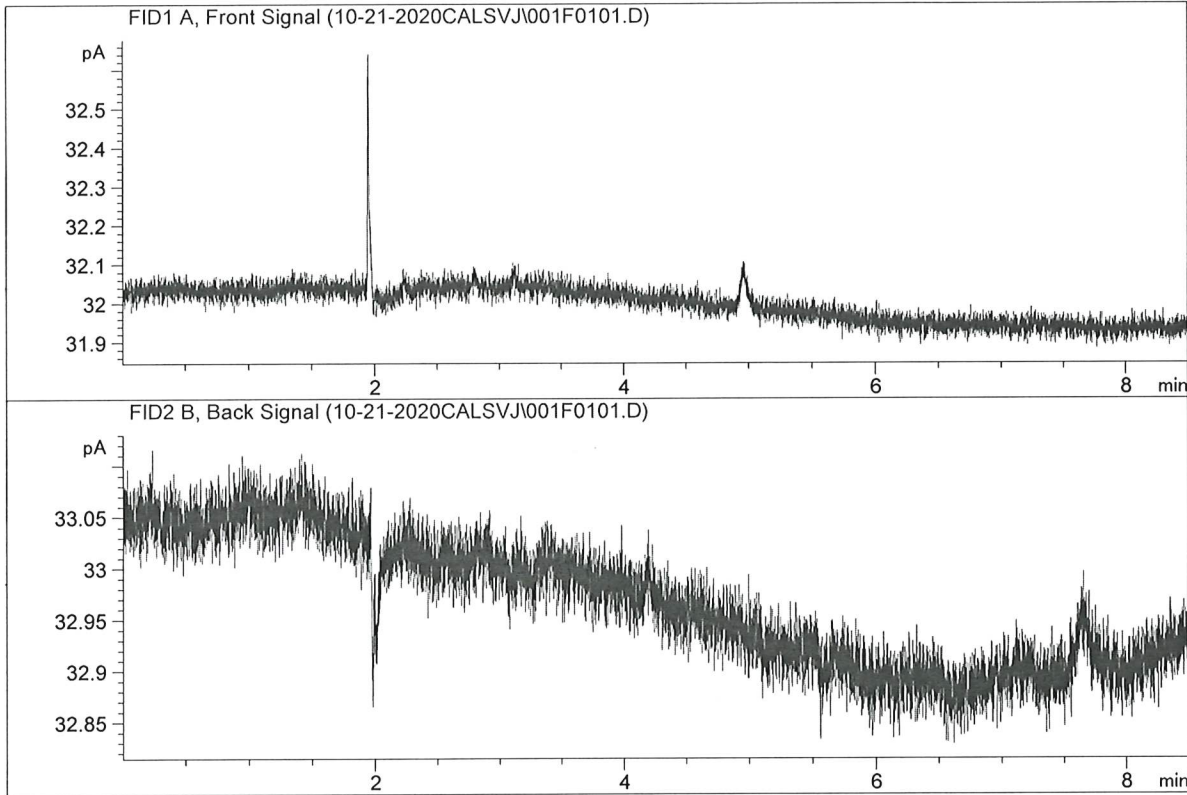


n-Propanol at exp. RT: 7.627  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00000  
x: Amount Ratio  
y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

Sample Name : WATER  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

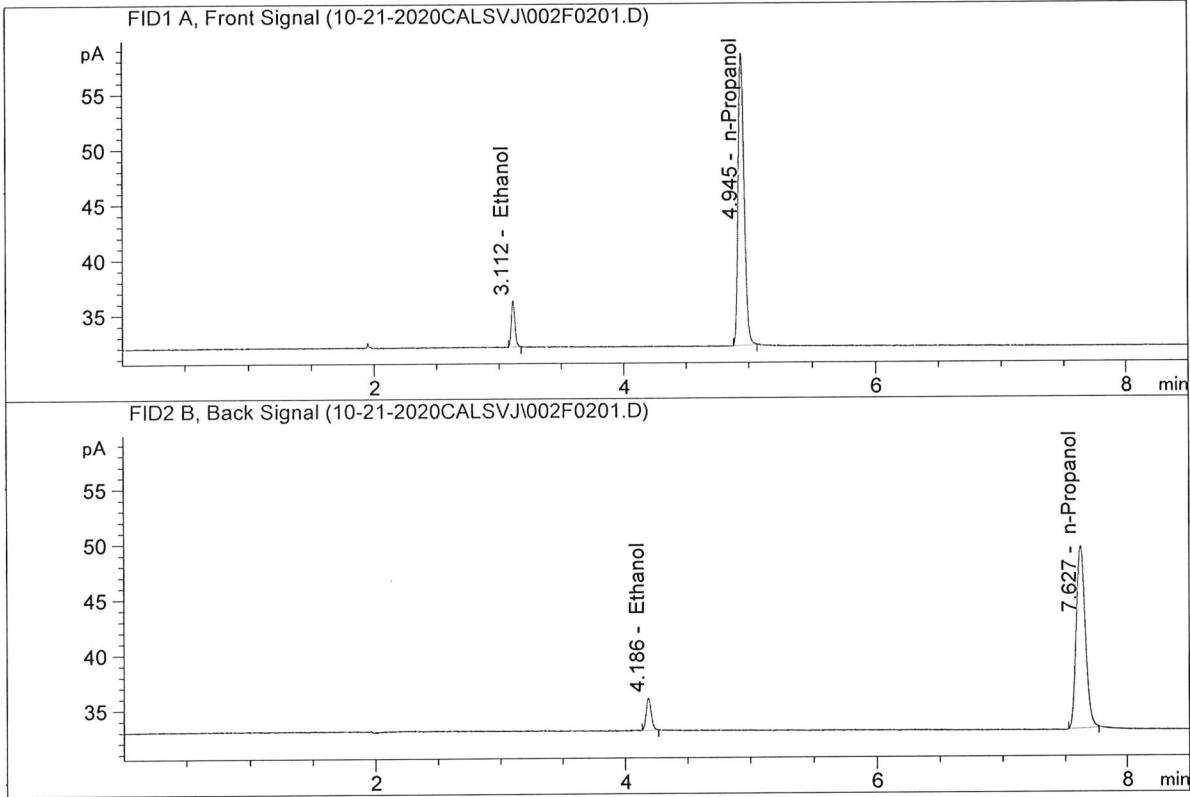


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

*RWA*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

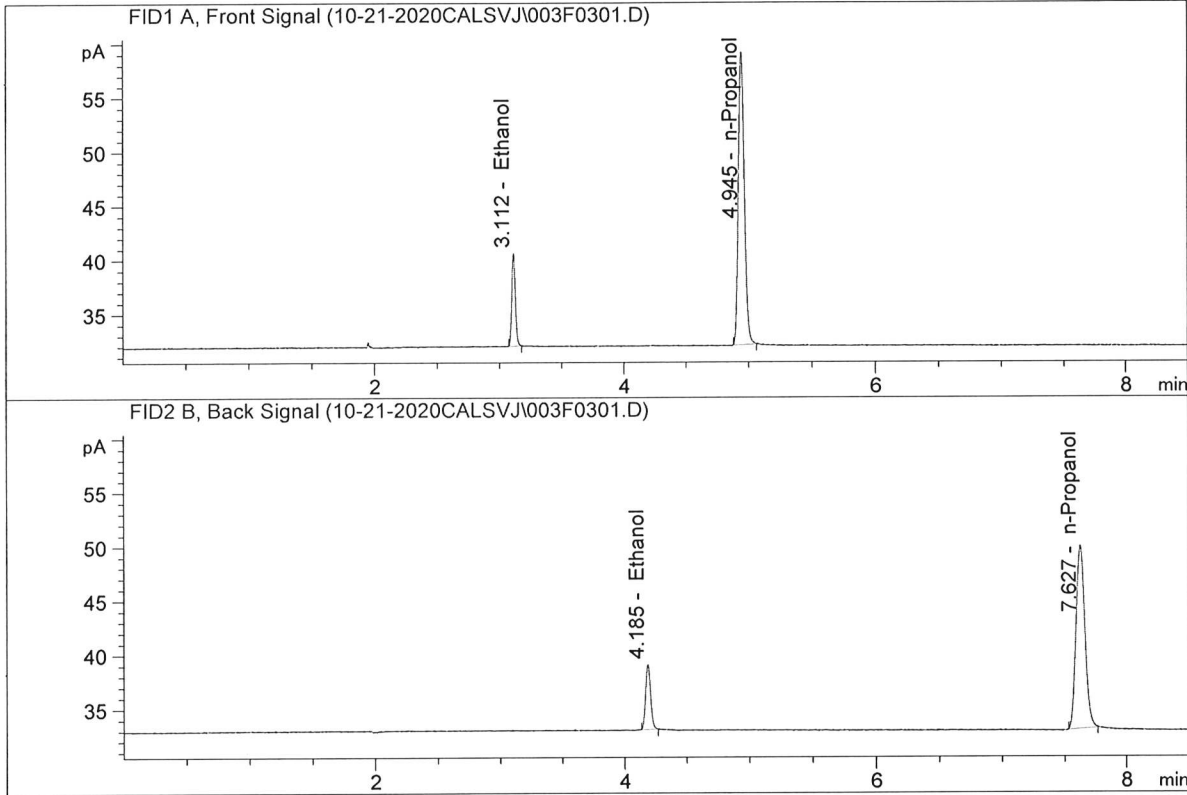


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.32730	0.0501	g/100cc
2.	Ethanol	Column 2:	8.27137	0.0491	g/100cc
3.	n-Propanol	Column 1:	87.03506	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.64700	1.0000	g/100cc

*RWA*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

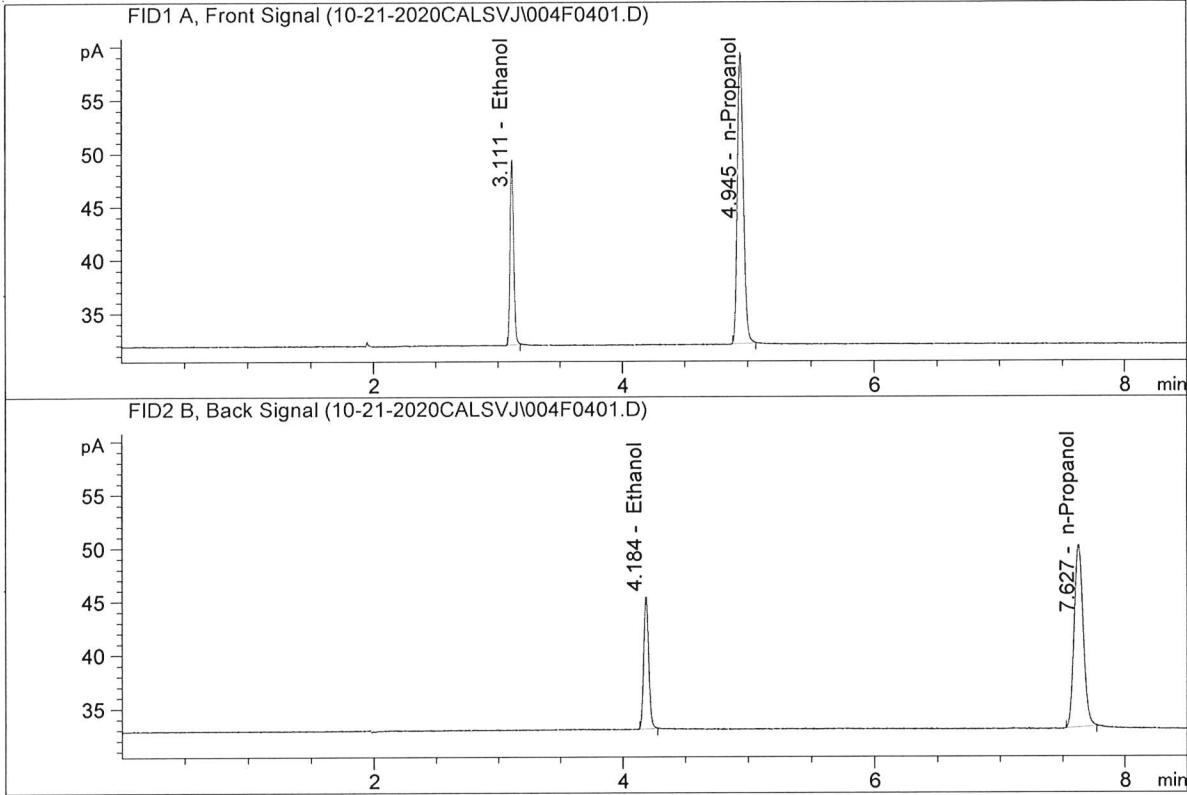


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.94399	0.0998	g/100cc
2.	Ethanol	Column 2:	16.89573	0.0983	g/100cc
3.	n-Propanol	Column 1:	88.96774	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.34971	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

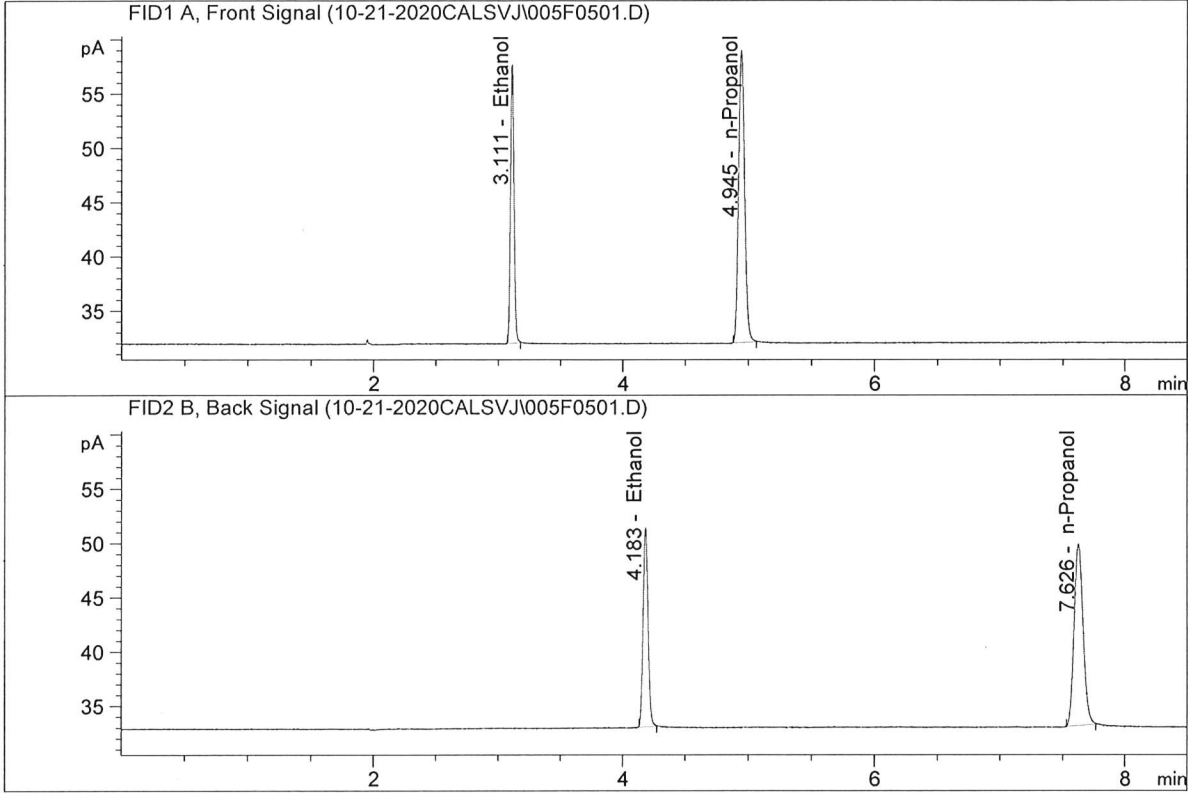


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.14503	0.1986	g/100cc
2.	Ethanol	Column 2:	34.35252	0.1977	g/100cc
3.	n-Propanol	Column 1:	90.07788	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.26738	1.0000	g/100cc

*RWN*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

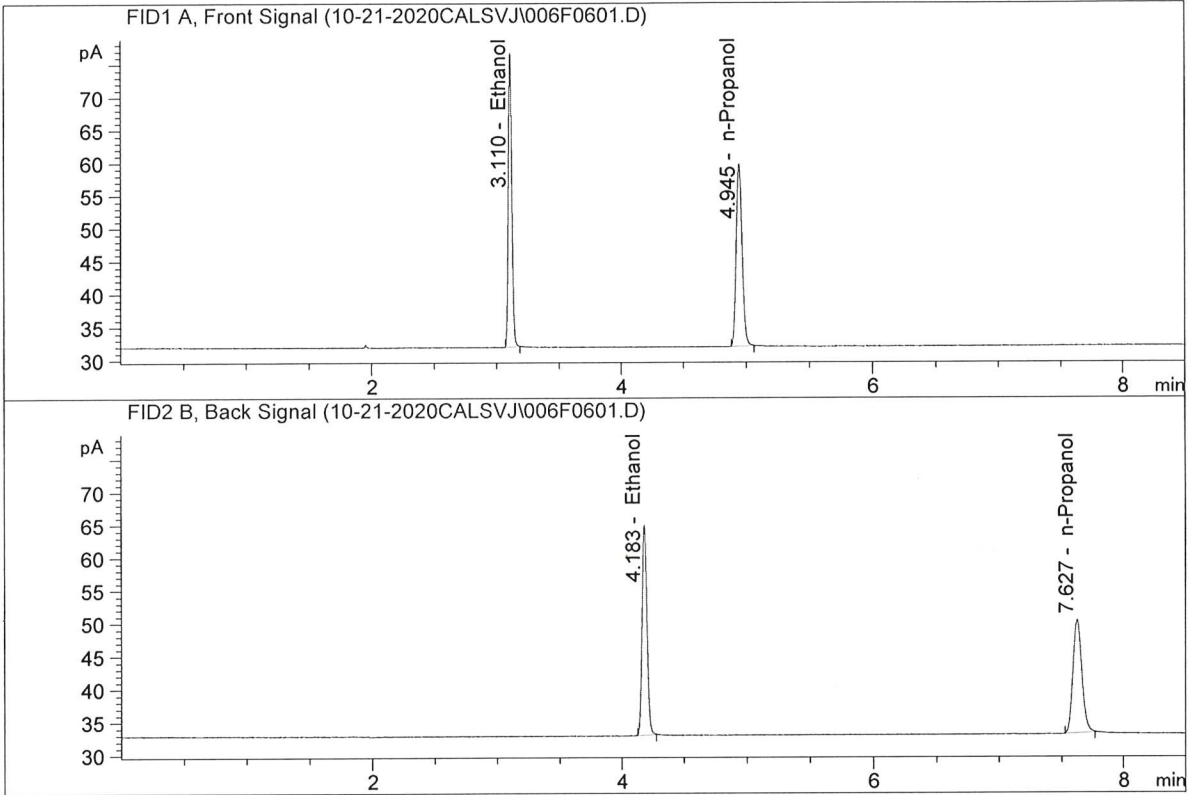


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	50.39016	0.2980	g/100cc
2.	Ethanol	Column 2:	50.68654	0.2980	g/100cc
3.	n-Propanol	Column 1:	88.57446	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.46078	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



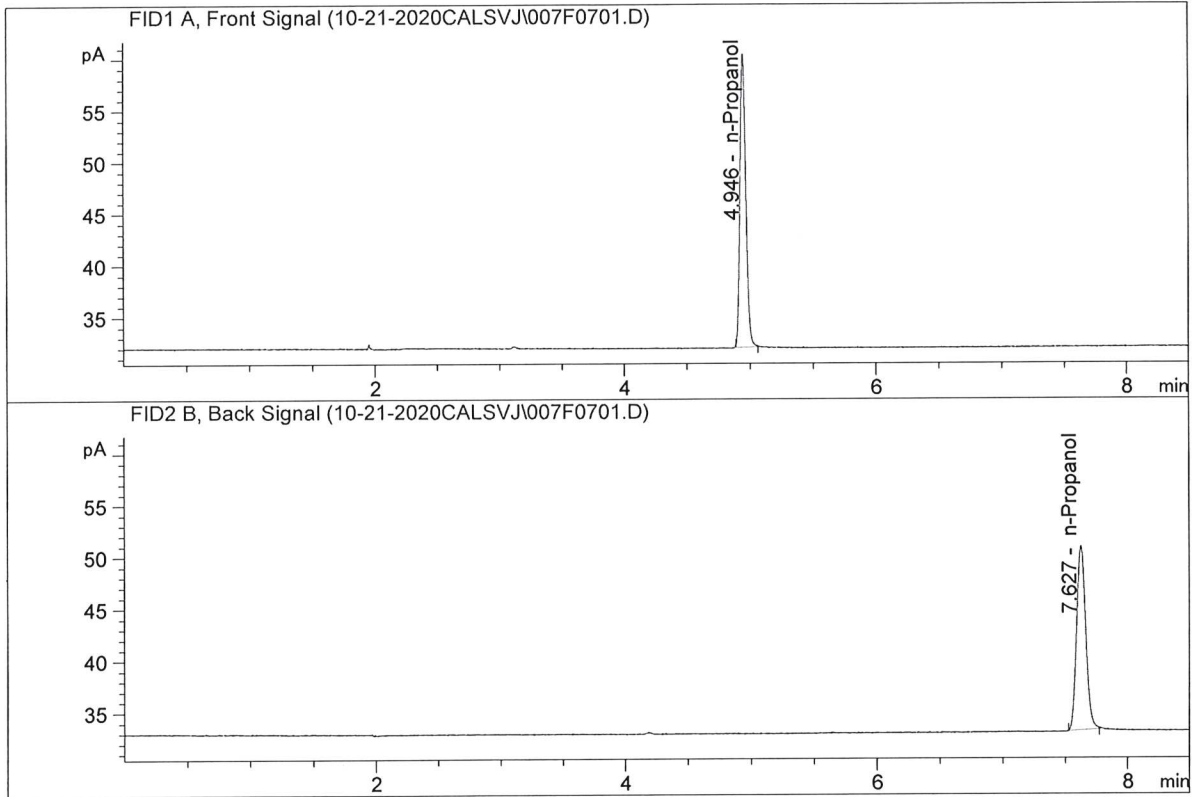
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	87.21152	0.5018	g/100cc
2.	Ethanol	Column 2:	87.74538	0.5025	g/100cc
3.	n-Propanol	Column 1:	91.04491	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.70728	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 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:	93.06692	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.69862	1.0000	g/100cc

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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\_21.10.2020\_01.16.35\10-21-2020.S  
 Data directory path: C:\Chem32\1\Data\10-21-20SVJ  
 Logbook: C:\Chem32\1\Data\10-21-20SVJ\10-21-2020.LOG  
 Sequence start: 10/21/2020 1:31:31 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

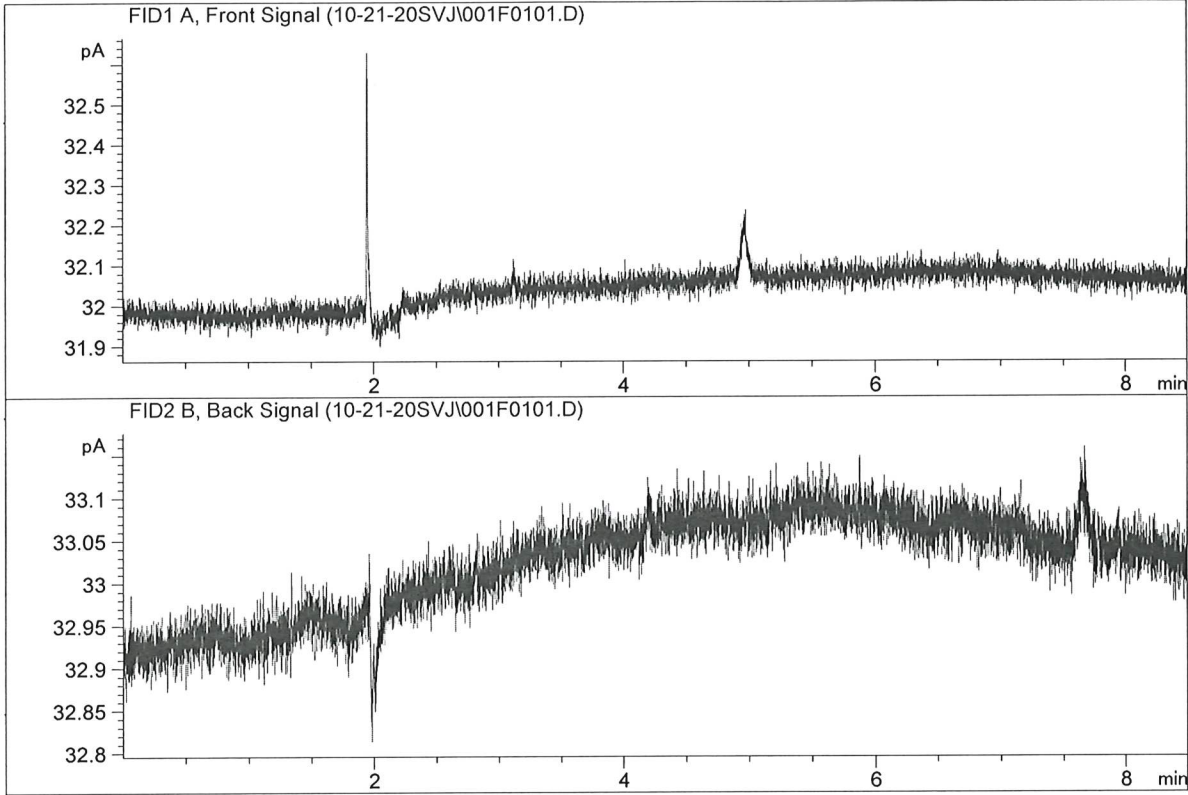
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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	-	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 FN09181807-	-	1.0000	006F0601.D	4
7	7		1 0.08 FN09181807-	-	1.0000	007F0701.D	4
8	8		1 C2020-1992-1-A	-	1.0000	008F0801.D	3
9	9		1 C2020-1992-1-B	-	1.0000	009F0901.D	3
10	10		1 C2020-2017-1-A	-	1.0000	010F1001.D	4
11	11		1 C2020-2017-1-B	-	1.0000	011F1101.D	4
12	12		1 C2020-2018-1-A	-	1.0000	012F1201.D	4
13	13		1 C2020-2018-1-B	-	1.0000	013F1301.D	4
14	14		1 C2020-2035-1-A	-	1.0000	014F1401.D	4
15	15		1 C2020-2035-1-B	-	1.0000	015F1501.D	4
16	16		1 C2020-2088-1-A	-	1.0000	016F1601.D	2
17	17		1 C2020-2088-1-B	-	1.0000	017F1701.D	2
18	18		1 P2020-2822-2-A	-	1.0000	018F1801.D	2
19	19		1 P2020-2822-2-B	-	1.0000	019F1901.D	2
20	20		1 P2020-2927-1-A	-	1.0000	020F2001.D	2
21	21		1 P2020-2927-1-B	-	1.0000	021F2101.D	2
22	22		1 P2020-2928-1-A	-	1.0000	022F2201.D	2
23	23		1 P2020-2928-1-B	-	1.0000	023F2301.D	2
24	24		1 P2020-2929-1-A	-	1.0000	024F2401.D	2
25	25		1 P2020-2929-1-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 P2020-2930-1-A	-	1.0000	028F2801.D	4
29	29		1 P2020-2930-1-B	-	1.0000	029F2901.D	4
30	30		1 P2020-2931-1-A	-	1.0000	030F3001.D	2
31	31		1 P2020-2931-1-B	-	1.0000	031F3101.D	2
32	32		1 P2020-2931-2-A	-	1.0000	032F3201.D	2
33	33		1 P2020-2931-2-B	-	1.0000	033F3301.D	2
34	34		1 P2020-2932-1-A	-	1.0000	034F3401.D	6
35	35		1 P2020-2932-1-B	-	1.0000	035F3501.D	6
36	36		1 P2020-2934-1-A	-	1.0000	036F3601.D	4
37	37		1 P2020-2934-1-B	-	1.0000	037F3701.D	4
38	38		1 P2020-2938-1-A	-	1.0000	038F3801.D	4
39	39		1 P2020-2938-1-B	-	1.0000	039F3901.D	4
40	40		1 P2020-2977-1-A	-	1.0000	040F4001.D	4
41	41		1 P2020-2977-1-B	-	1.0000	041F4101.D	5
42	42		1 P2020-2983-1-A	-	1.0000	042F4201.D	6
43	43		1 P2020-2983-1-B	-	1.0000	043F4301.D	6
44	44		1 P2020-2990-1-A	-	1.0000	044F4401.D	4
45	45		1 P2020-2990-1-B	-	1.0000	045F4501.D	4
46	46		1 P2020-3012-1-A	-	1.0000	046F4601.D	4

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	P2020-3012-1-B	-	1.0000	047F4701.D		5
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	P2020-3017-1-A	-	1.0000	050F5001.D		2
51	51	1	P2020-3017-1-B	-	1.0000	051F5101.D		2
52	52	1	P2020-3018-1-A	-	1.0000	052F5201.D		6
53	53	1	P2020-3018-1-B	-	1.0000	053F5301.D		6
54	54	1	P2020-3072-1-A	-	1.0000	054F5401.D		6
55	55	1	P2020-3072-1-B	-	1.0000	055F5501.D		6
56	56	1	P2020-3074-1-A	-	1.0000	056F5601.D		2
57	57	1	P2020-3074-1-B	-	1.0000	057F5701.D		2
58	58	1	P2020-3074-2-A	-	1.0000	058F5801.D		2
59	59	1	P2020-3074-2-B	-	1.0000	059F5901.D		2
60	60	1	P2020-3075-1-A	-	1.0000	060F6001.D		2
61	61	1	P2020-3075-1-B	-	1.0000	061F6101.D		2
62	62	1	M2020-3700-1-A	-	1.0000	062F6201.D		6
63	63	1	M2020-3700-1-B	-	1.0000	063F6301.D		6
64	64	1	QC-2(2)-A	-	1.0000	064F6401.D		4
65	65	1	QC-2(2)-B	-	1.0000	065F6501.D		4
66	66	1	ISTD BLANK-2	-	1.0000	066F6601.D		2
67	67	1	0.05 CHECK	-	1.0000	067F6701.D		4
68	68	1	0.100 CHECK	-	1.0000	068F6801.D		4
69	69	1	0.200 CHECK	-	1.0000	069F6901.D		4
70	70	1	0.300 CHECK	-	1.0000	070F7001.D		4
71	1	1	0.500 CHECK	-	1.0000	001F7101.D		4
72	2	1	water-2	-	1.0000	002F7201.D		0

ISP Forensic Services Blood Alcohol Report

Sample Name : water-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

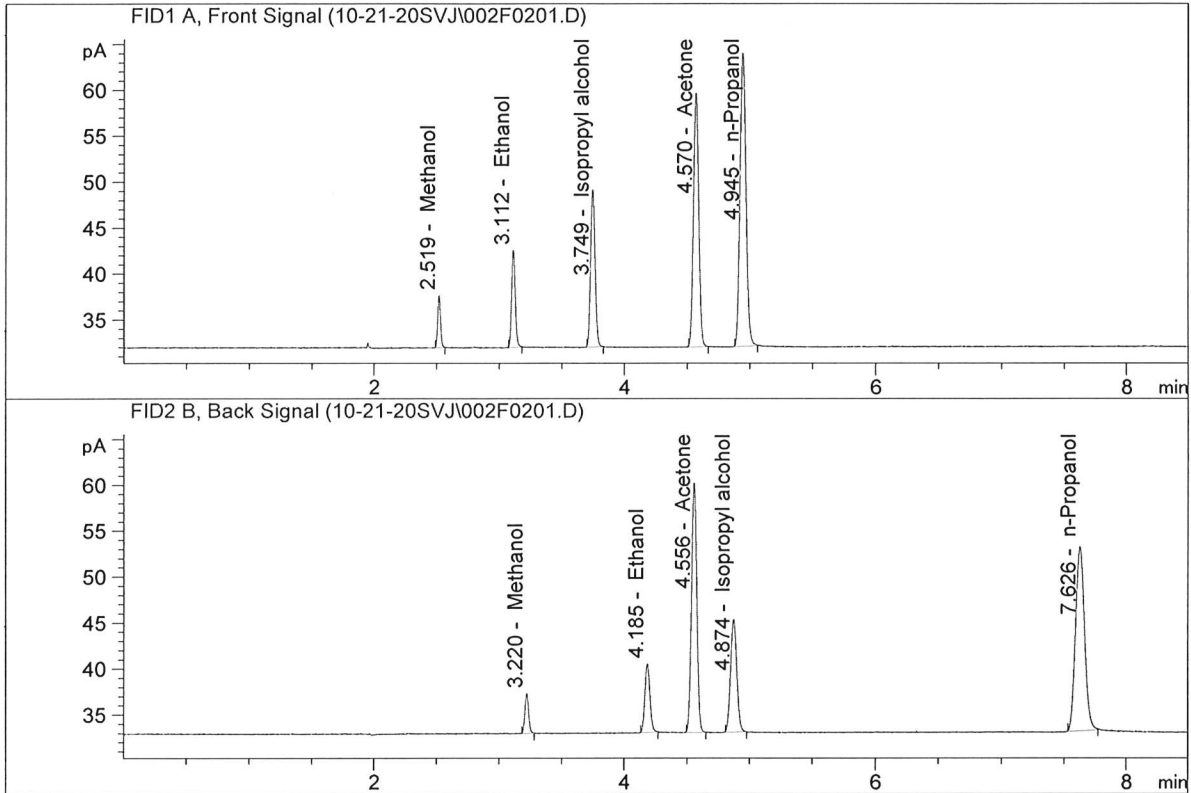


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

*RN*

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

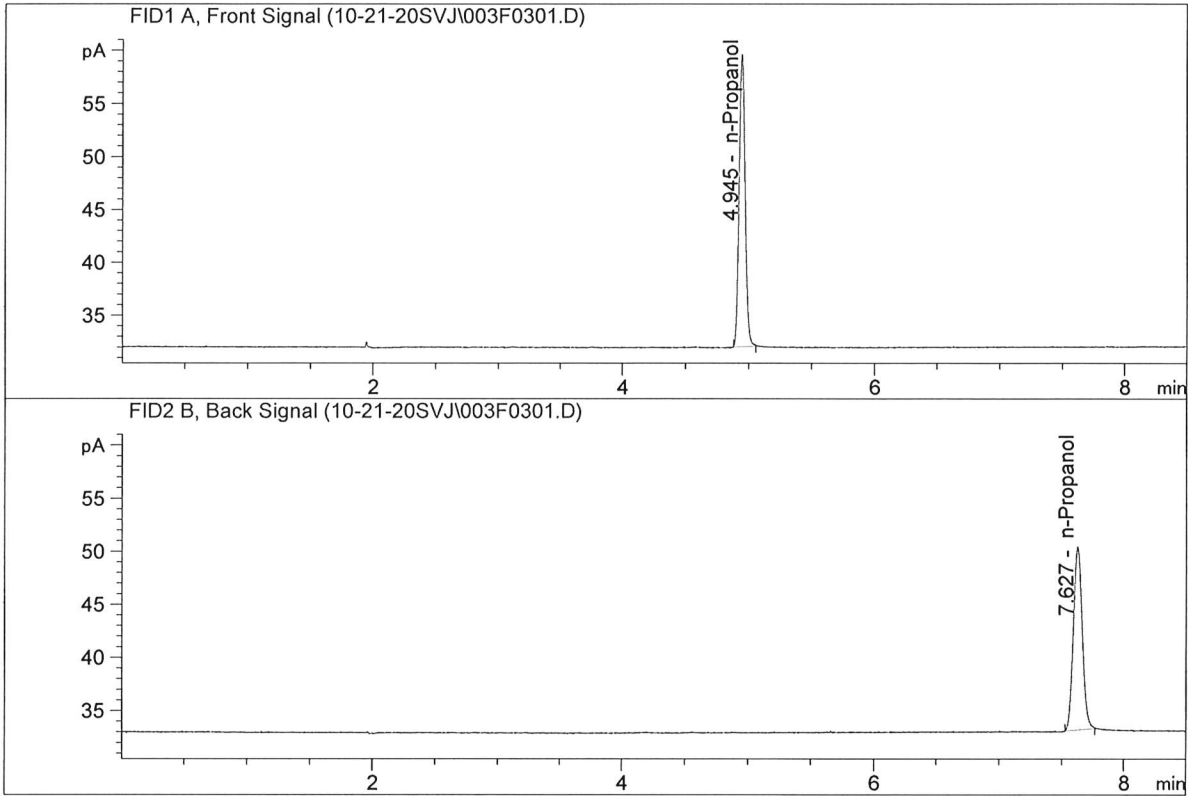


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	20.87299	0.1045	g/100cc
2.	Ethanol	Column 2:	20.80743	0.1024	g/100cc
3.	n-Propanol	Column 1:	104.64177	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.94905	1.0000	g/100cc

*RW*

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 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:	90.71178	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.22945	1.0000	g/100cc

*[Handwritten signature]*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(1)

Analysis Date(s): 21 Oct 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0773	0.0758	0.0015	0.0765	0.0002	0.0764
(g/100cc)	0.0770	0.0757	0.0013	0.0763		

**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
0.076	0.072	0.080	0.004

Reported Result
0.076

*Calibration and control data are stored centrally.*

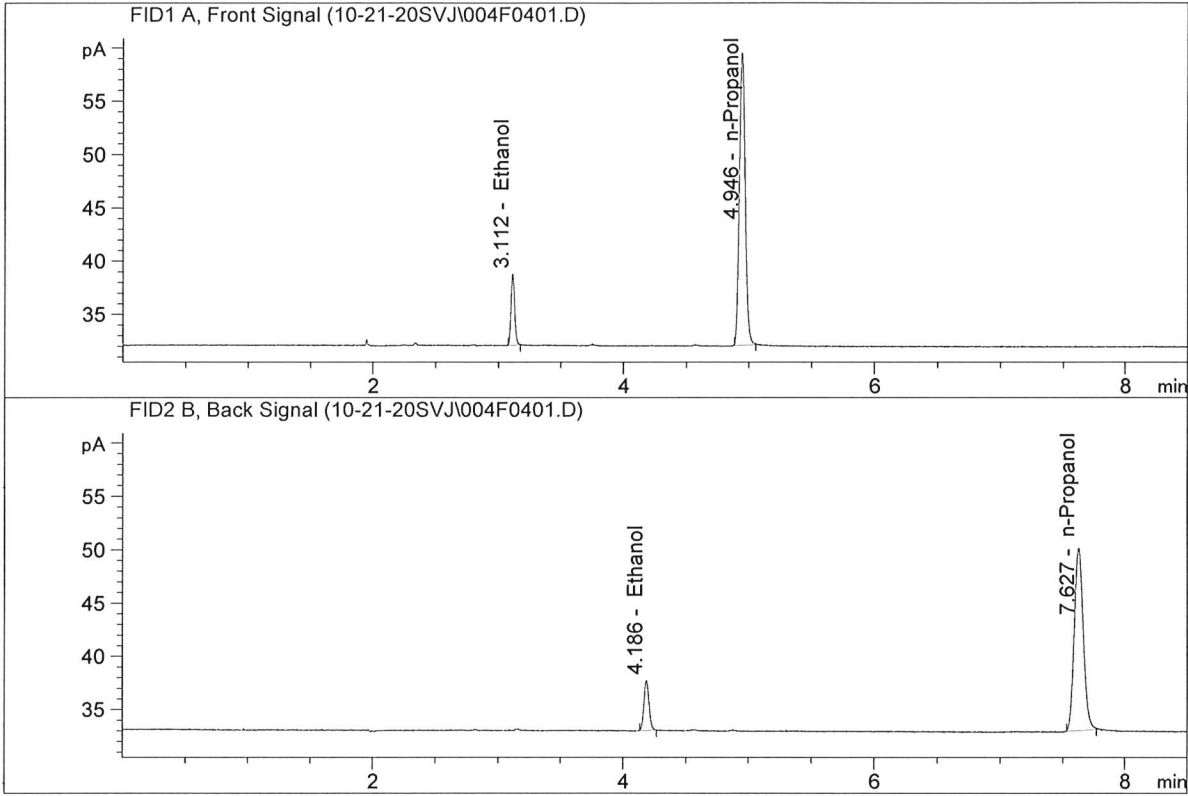
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



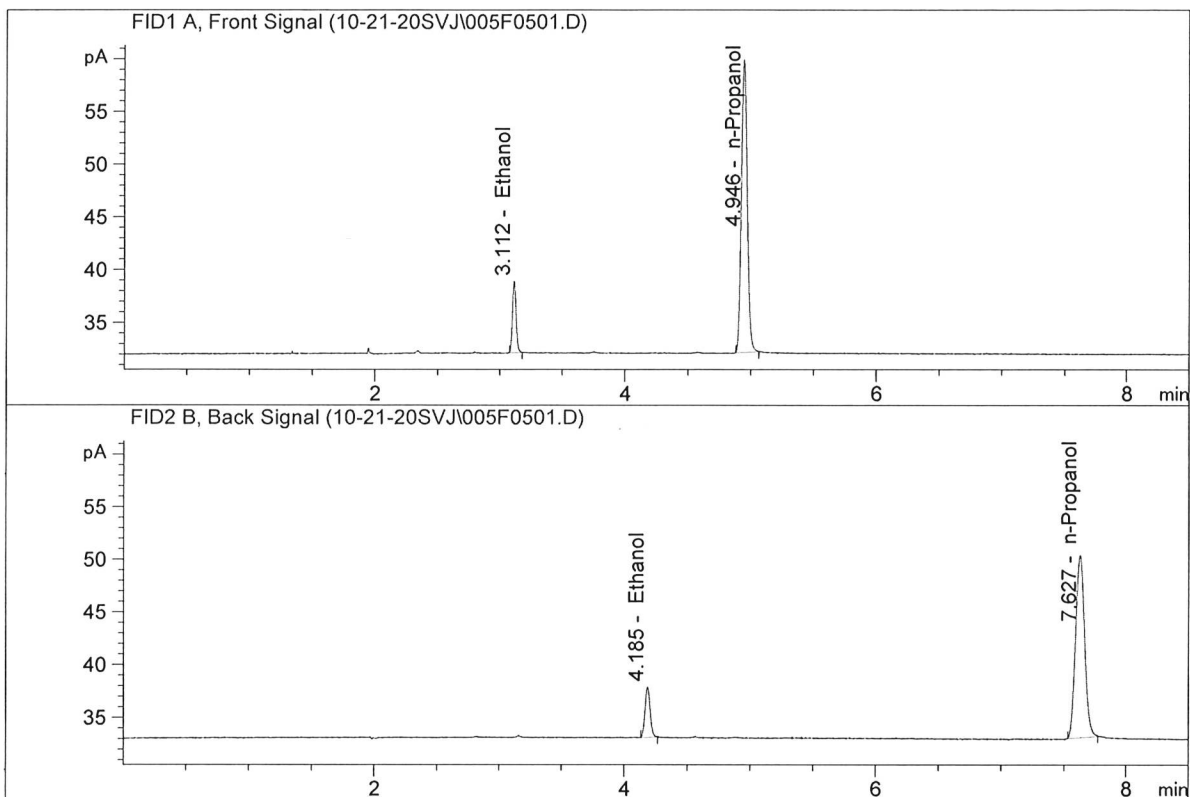
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.30245	0.0773	g/100cc
2.	Ethanol	Column 2:	13.22989	0.0758	g/100cc
3.	n-Propanol	Column 1:	90.10475	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.65675	1.0000	g/100cc

*PWA*



ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.40125	0.0770	g/100cc
2.	Ethanol	Column 2:	13.33940	0.0757	g/100cc
3.	n-Propanol	Column 1:	91.16581	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.49063	1.0000	g/100cc

*RWA*

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 21 Oct 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0792	0.0017	0.0800	0.0007	0.0796
(g/100cc)	0.0800	0.0786	0.0014	0.0793		

### 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
0.079	0.075	0.083	0.004

Reported Result	
0.079	

*Calibration and control data are stored centrally.*

Revision: 2

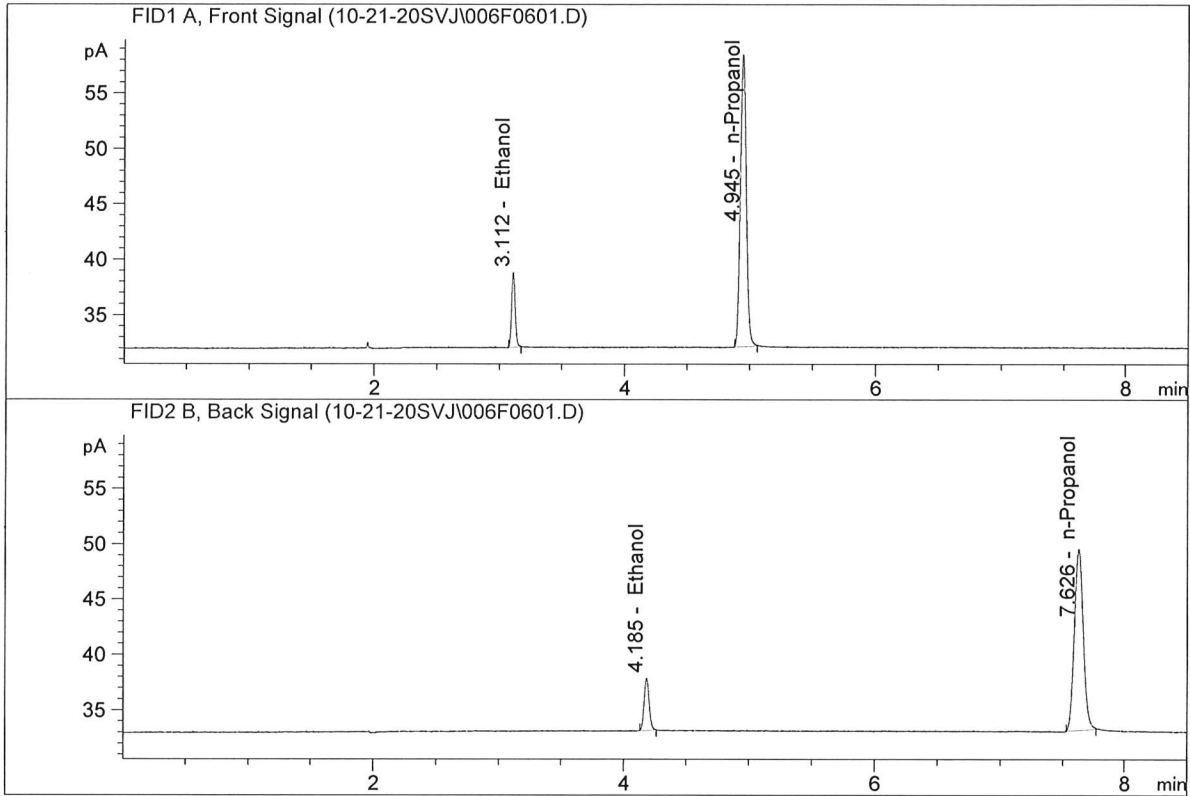
Issue Date: 12/23/2019

Issuing Authority: Quality Manager



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

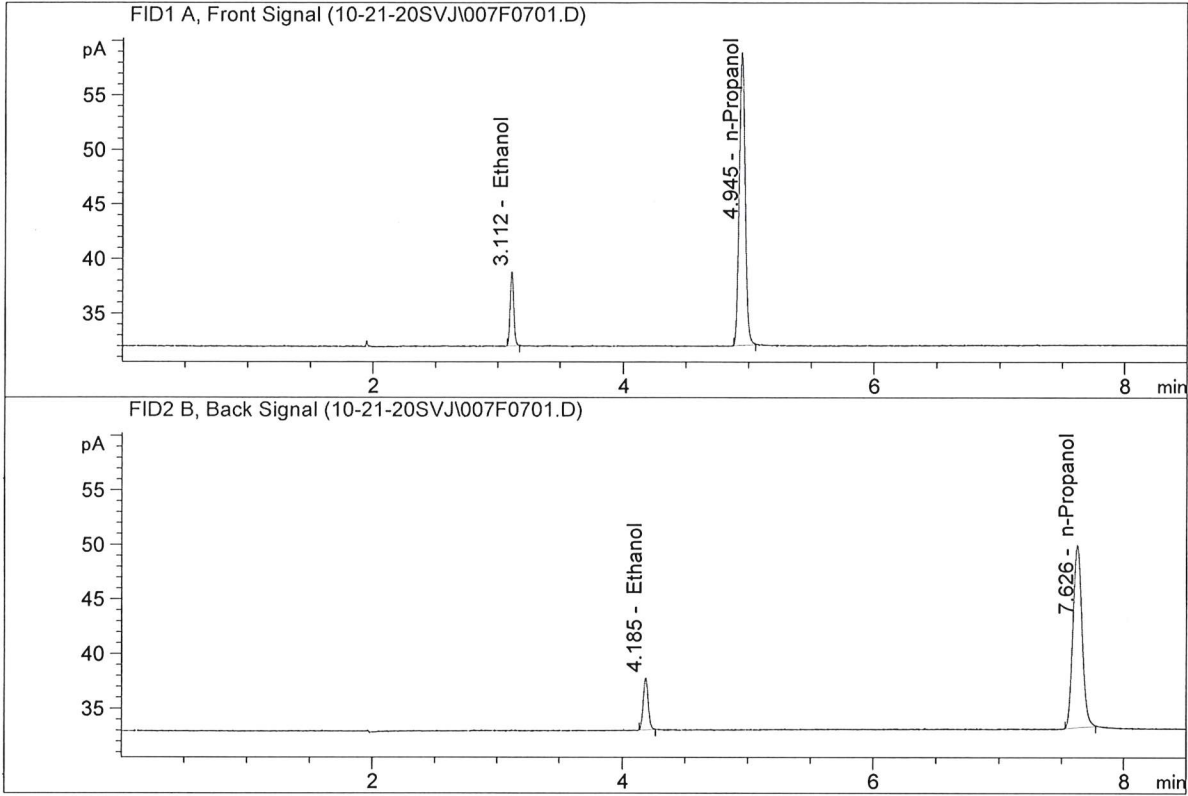


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.36054	0.0809	g/100cc
2.	Ethanol	Column 2:	13.22393	0.0792	g/100cc
3.	n-Propanol	Column 1:	86.51095	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.91638	1.0000	g/100cc

*Handwritten signature*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.47679	0.0800	g/100cc
2.	Ethanol	Column 2:	13.38401	0.0786	g/100cc
3.	n-Propanol	Column 1:	88.23383	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.58419	1.0000	g/100cc

*AW*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(1)

Analysis Date(s): 21 Oct 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1994	0.1983	0.0011	0.1988	0.0015	0.1996
(g/100cc)	0.2012	0.1995	0.0017	0.2003		

**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%

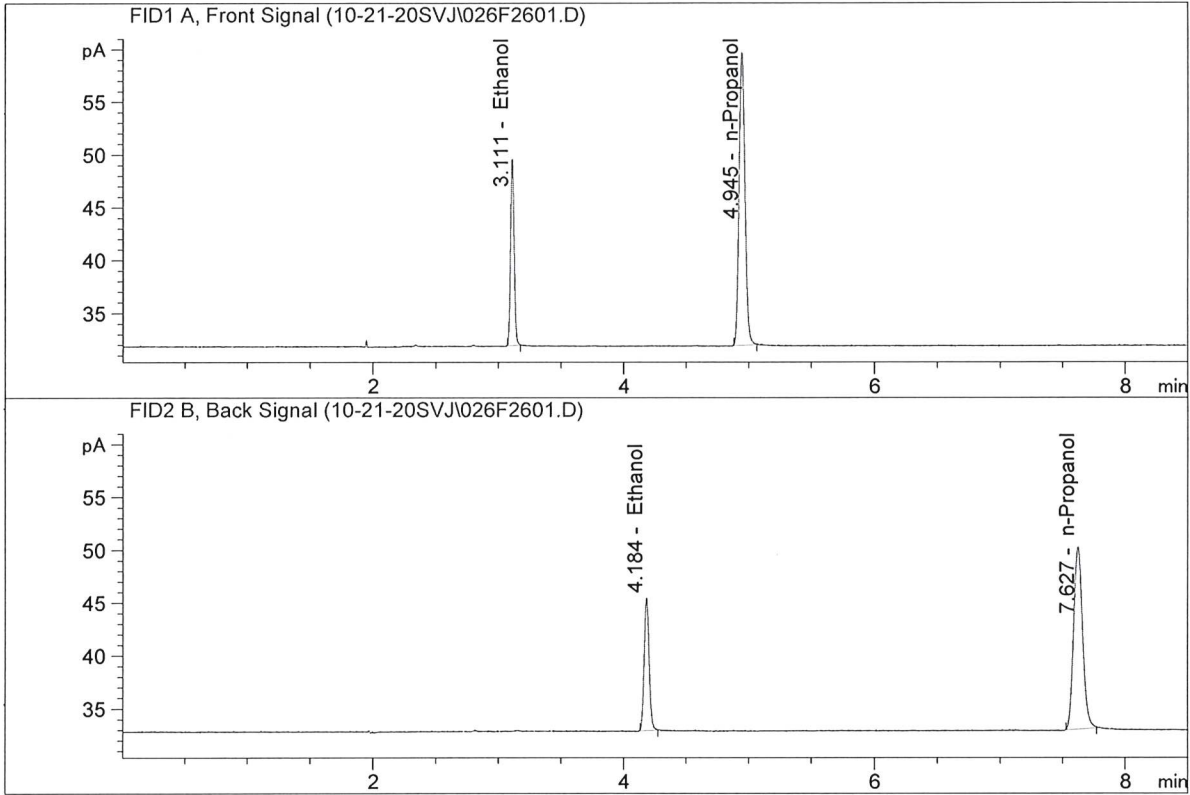
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	0.189	0.209	0.010

Reported Result	
0.199	

*Calibration and control data are stored centrally.*

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

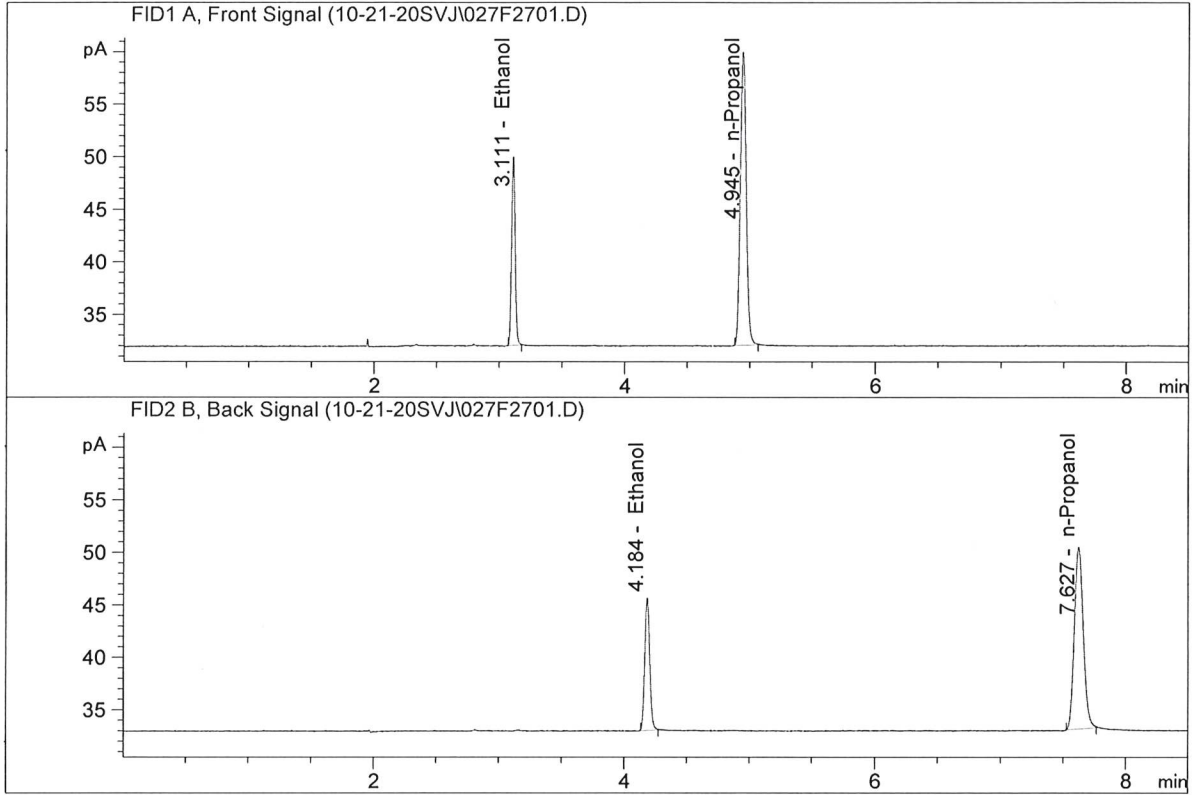


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.75198	0.1994	g/100cc
2.	Ethanol	Column 2:	34.70906	0.1983	g/100cc
3.	n-Propanol	Column 1:	91.27930	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.92715	1.0000	g/100cc

*[Handwritten signature]*

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.26505	0.2012	g/100cc
2.	Ethanol	Column 2:	35.17870	0.1995	g/100cc
3.	n-Propanol	Column 1:	91.82394	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.58282	1.0000	g/100cc

*AWA*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(2)

Analysis Date(s): 21 Oct 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0772	0.0013	0.0778	0.0003	0.0776
(g/100cc)	0.0786	0.0764	0.0022	0.0775		

**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
0.077	0.073	0.081	0.004

Reported Result	
0.077	

*Calibration and control data are stored centrally.*

Revision: 2

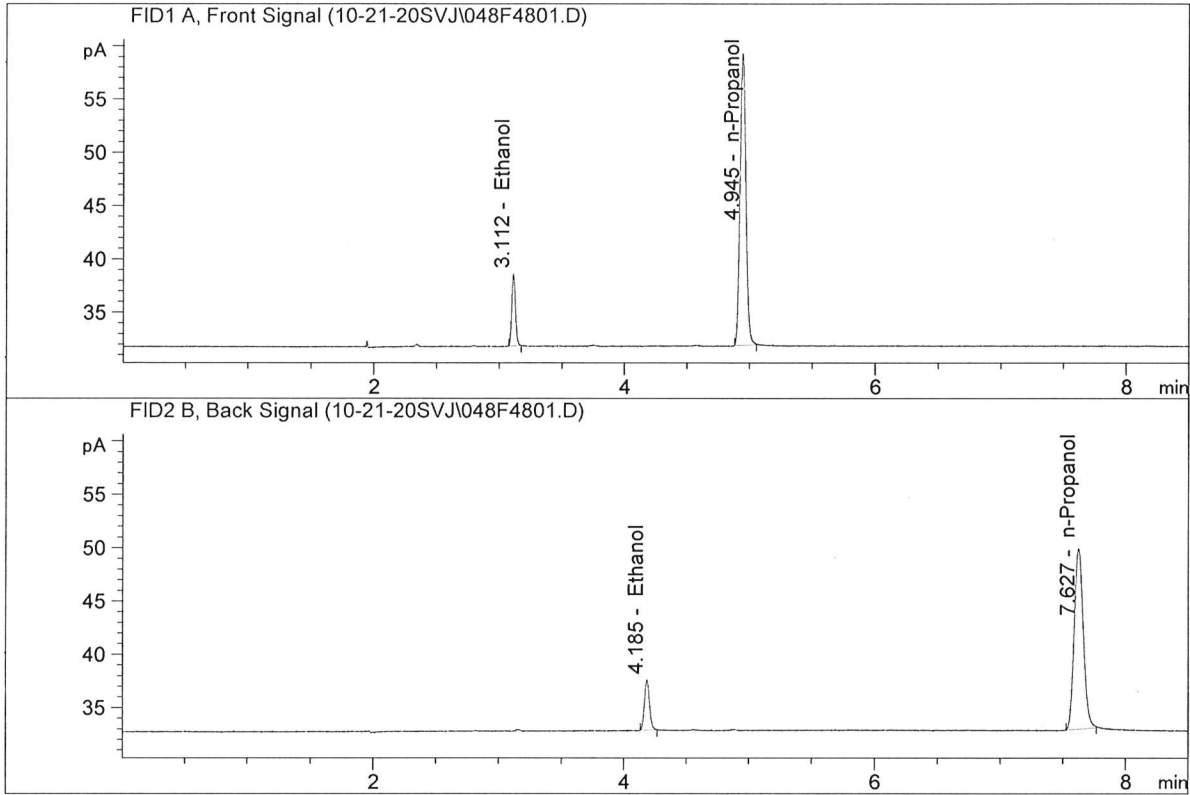
Issue Date: 12/23/2019

Issuing Authority: Quality Manager



ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

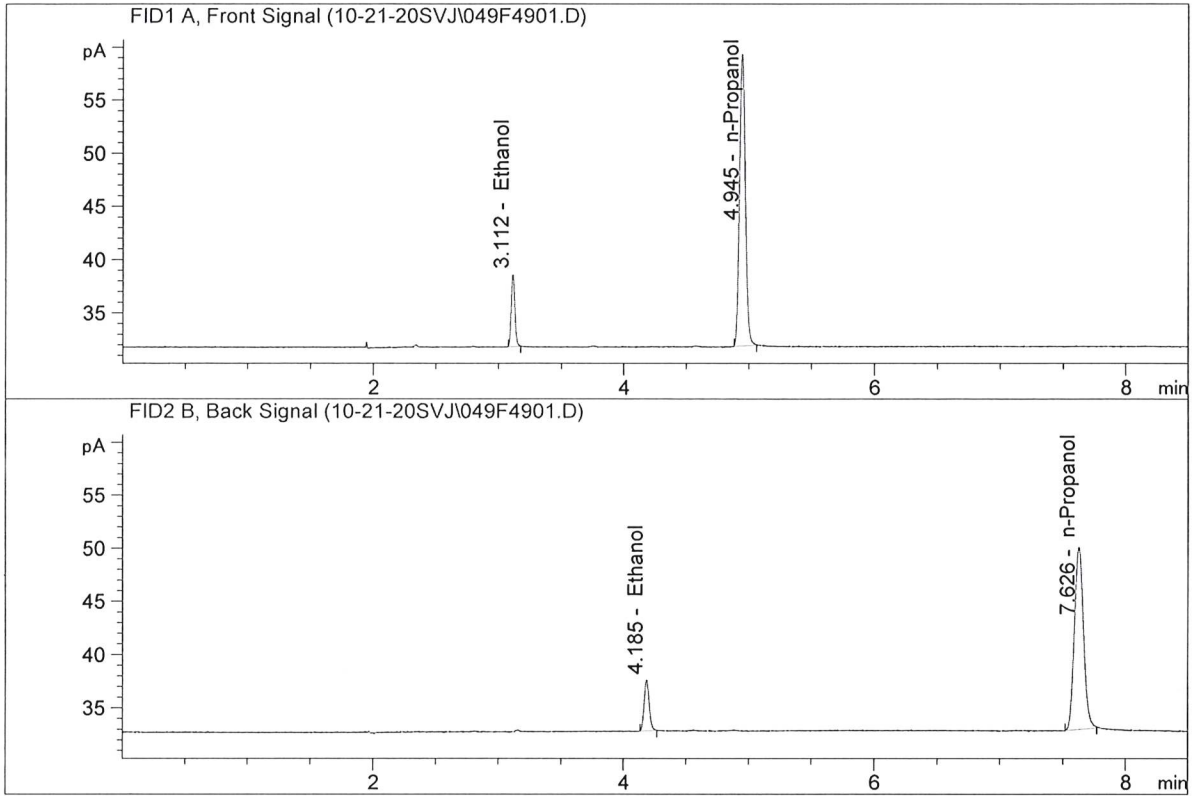


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.45383	0.0785	g/100cc
2.	Ethanol	Column 2:	13.36457	0.0772	g/100cc
3.	n-Propanol	Column 1:	89.80624	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.98607	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.53589	0.0786	g/100cc
2.	Ethanol	Column 2:	13.34713	0.0764	g/100cc
3.	n-Propanol	Column 1:	90.20741	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.74688	1.0000	g/100cc

*ANN*

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(2)

Analysis Date(s): 22 Oct 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2046	0.2024	0.0022	0.2035	0.0003	0.2033
(g/100cc)	0.2052	0.2012	0.0040	0.2032		

**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
0.203	0.192	0.214	0.011

Reported Result	
0.203	

*Calibration and control data are stored centrally.*

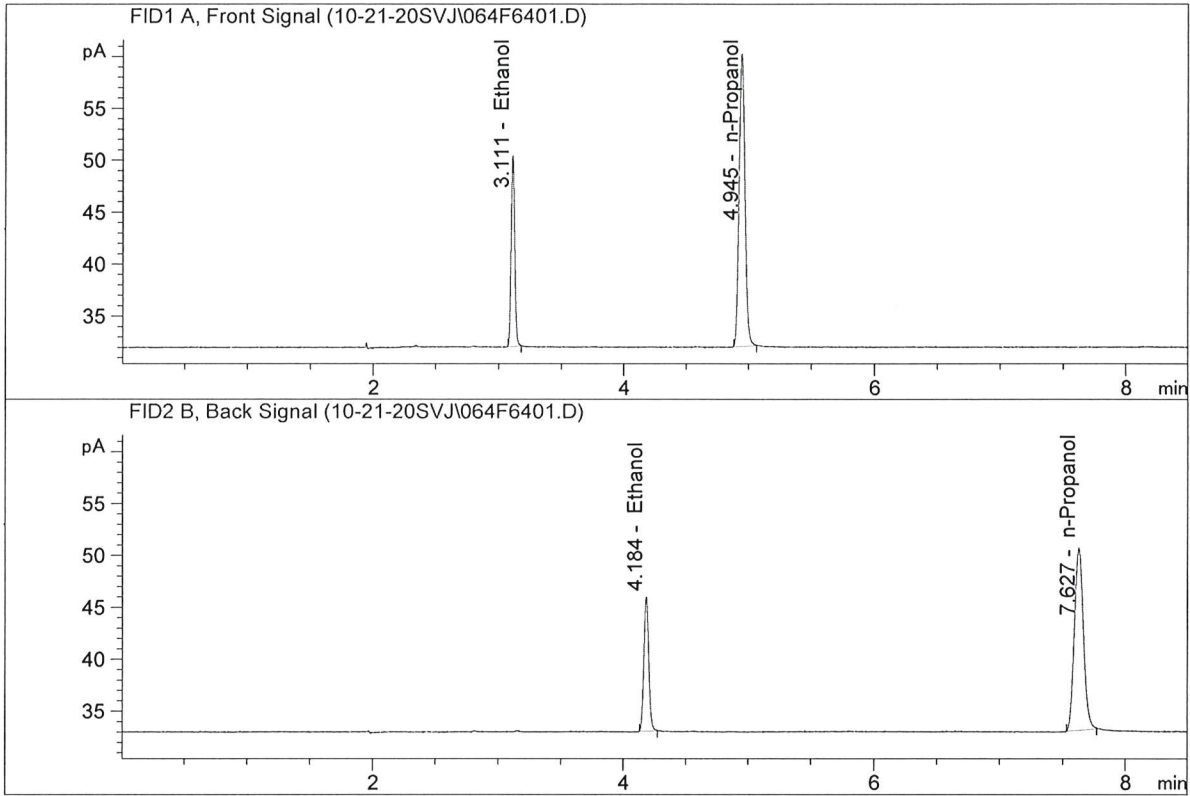
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

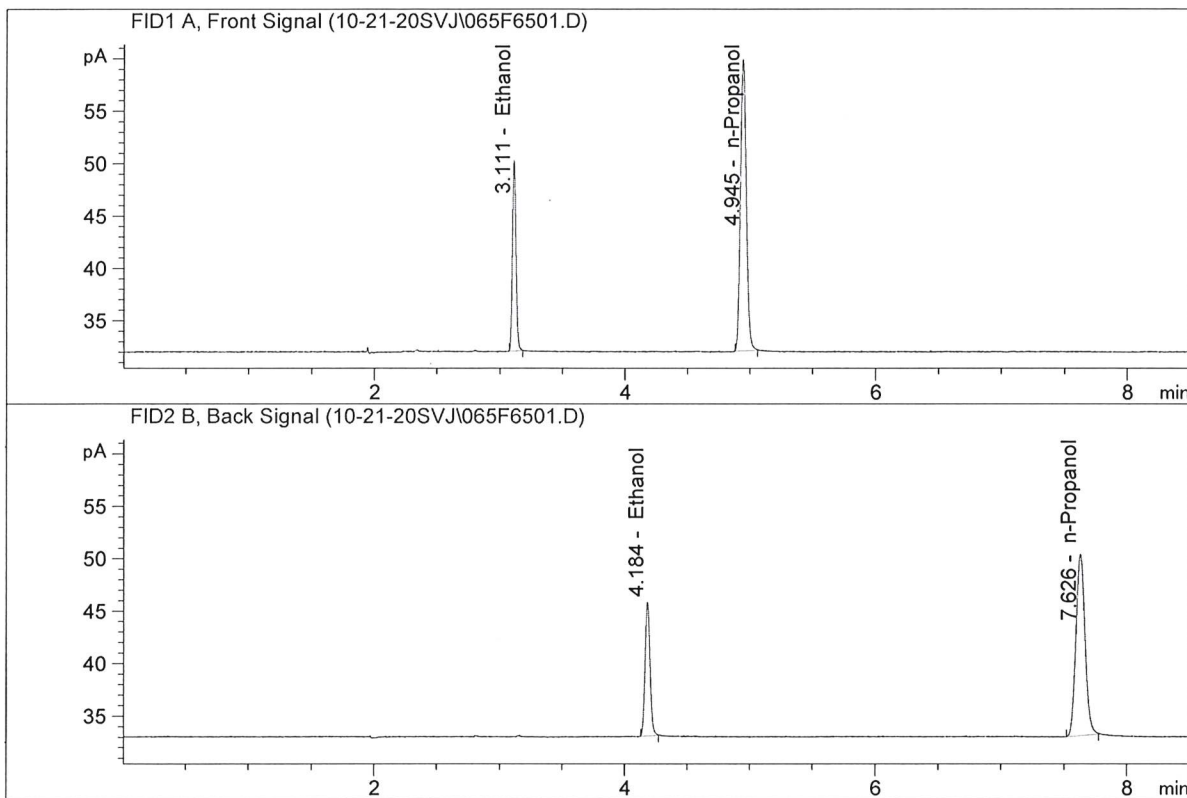


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.09186	0.2046	g/100cc
2.	Ethanol	Column 2:	35.96650	0.2024	g/100cc
3.	n-Propanol	Column 1:	92.42338	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.24662	1.0000	g/100cc

*[Handwritten signature]*

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

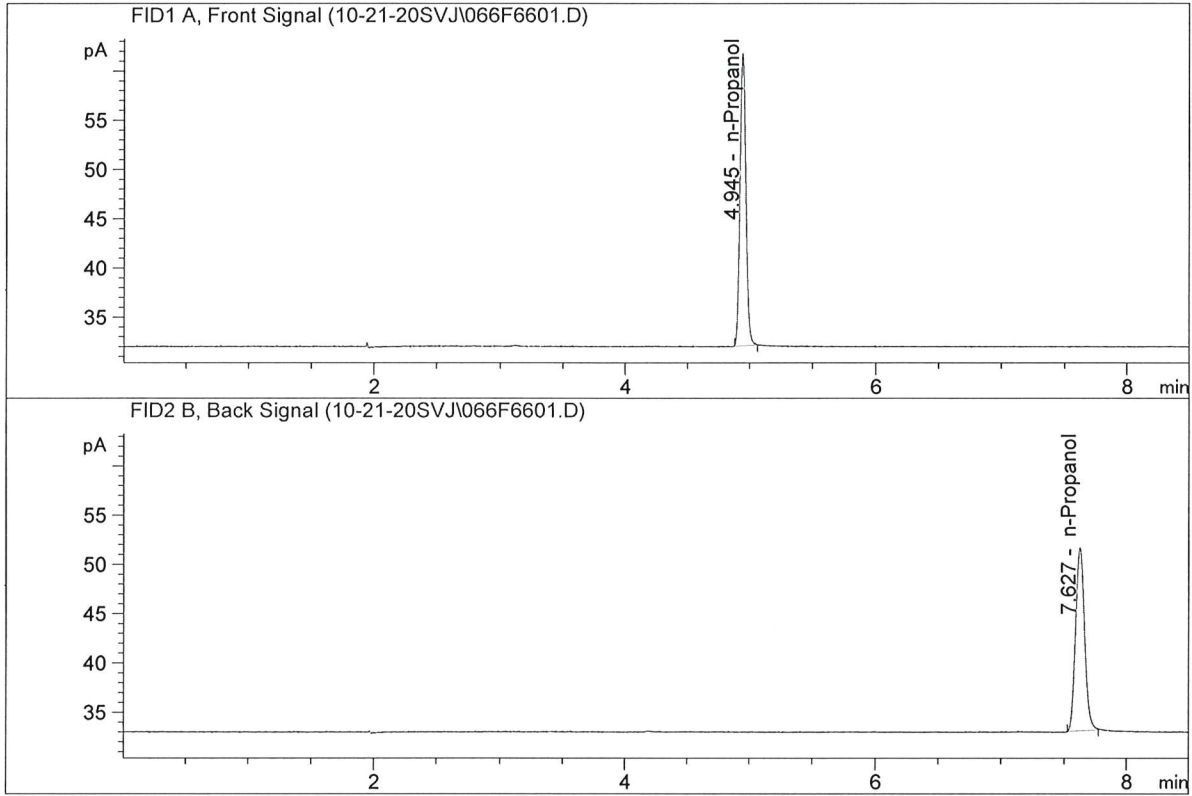


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.77158	0.2052	g/100cc
2.	Ethanol	Column 2:	35.50485	0.2012	g/100cc
3.	n-Propanol	Column 1:	91.30547	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.64365	1.0000	g/100cc

*Handwritten signature*

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

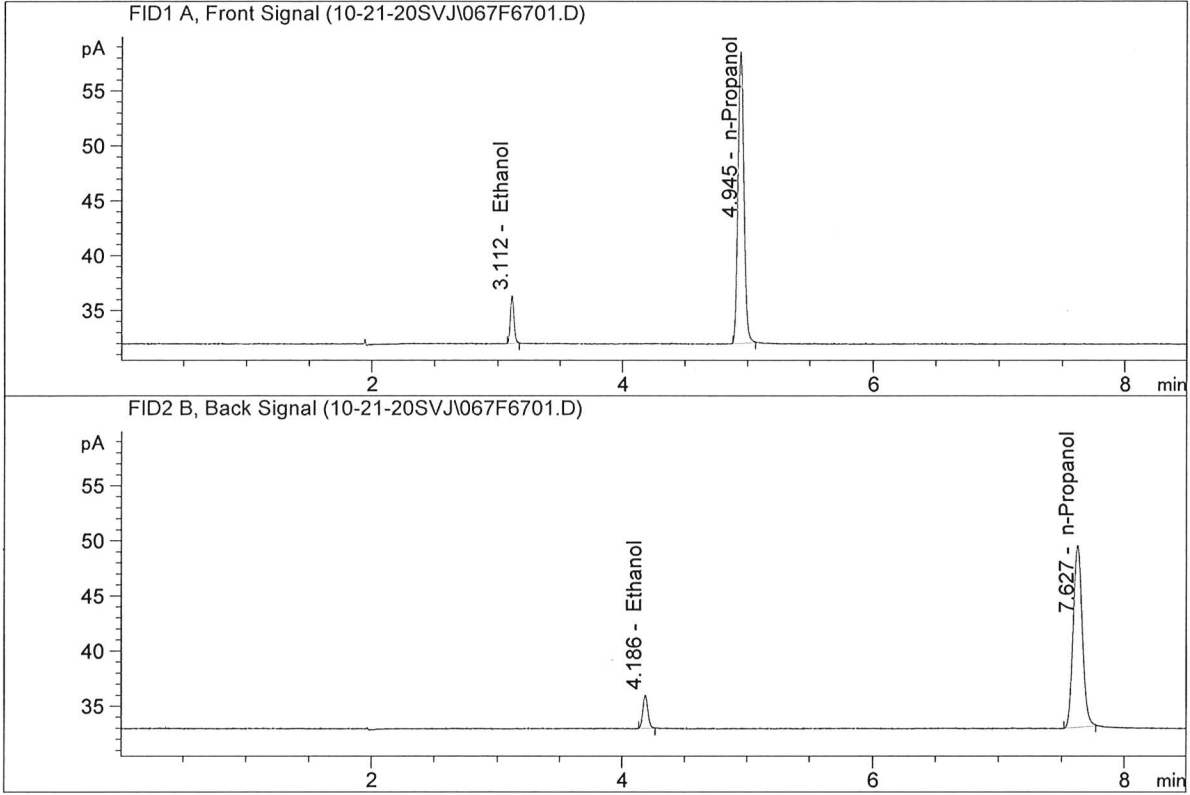


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	97.44496	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.91179	1.0000	g/100cc

*MW*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

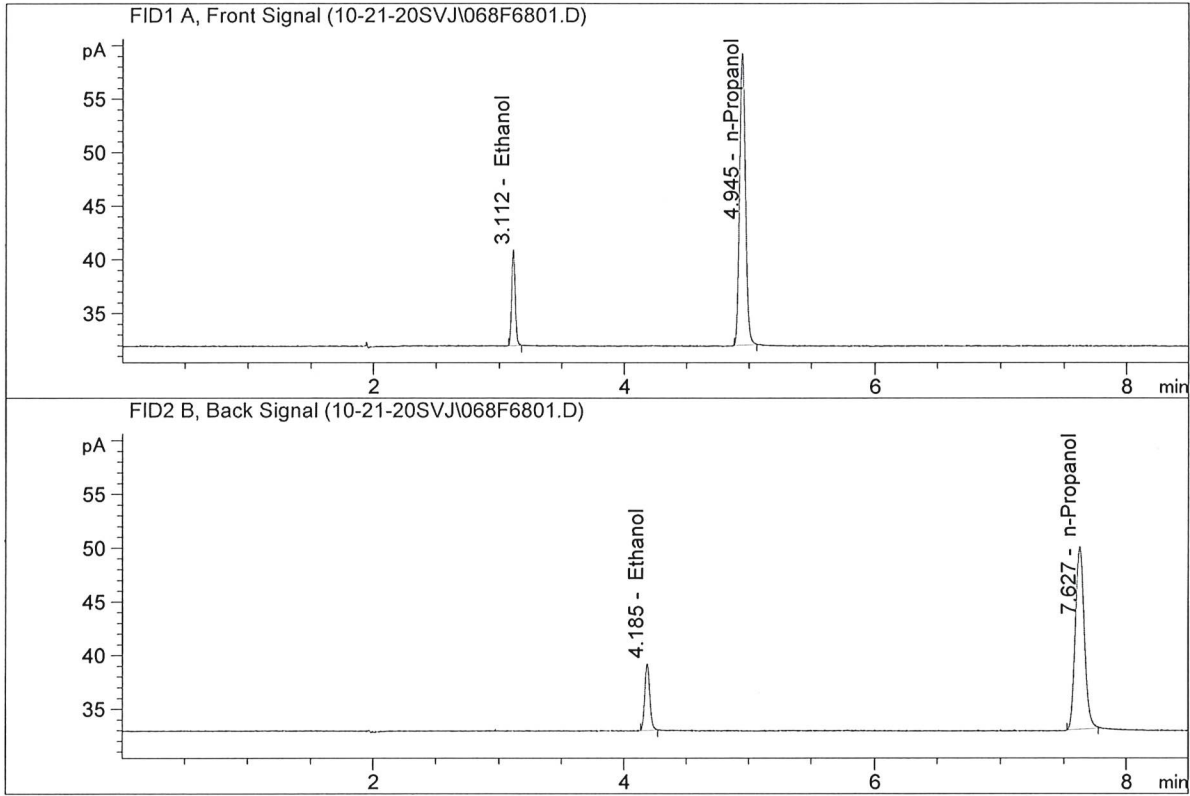


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.62272	0.0518	g/100cc
2.	Ethanol	Column 2:	8.44456	0.0500	g/100cc
3.	n-Propanol	Column 1:	87.23496	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.82382	1.0000	g/100cc

*[Handwritten signature]*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



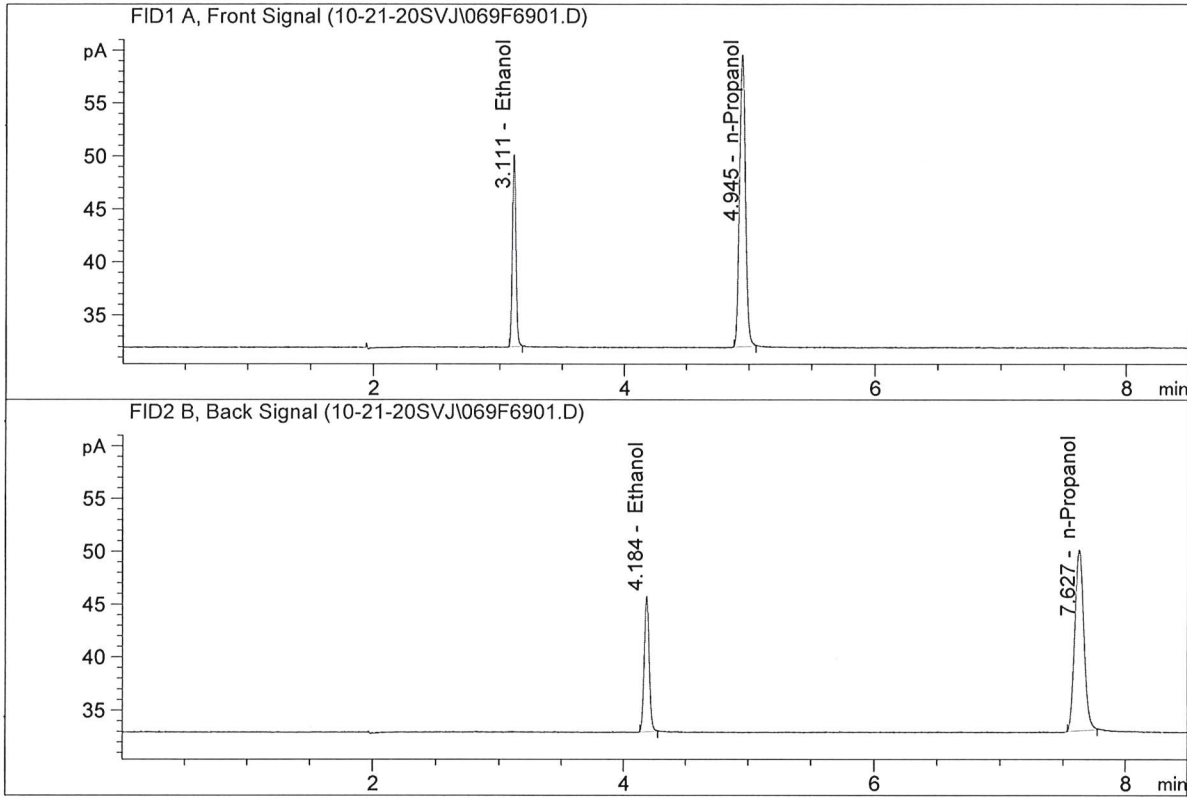
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.64191	0.1033	g/100cc
2.	Ethanol	Column 2:	17.37767	0.1004	g/100cc
3.	n-Propanol	Column 1:	89.47575	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.93796	1.0000	g/100cc

*RW*



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

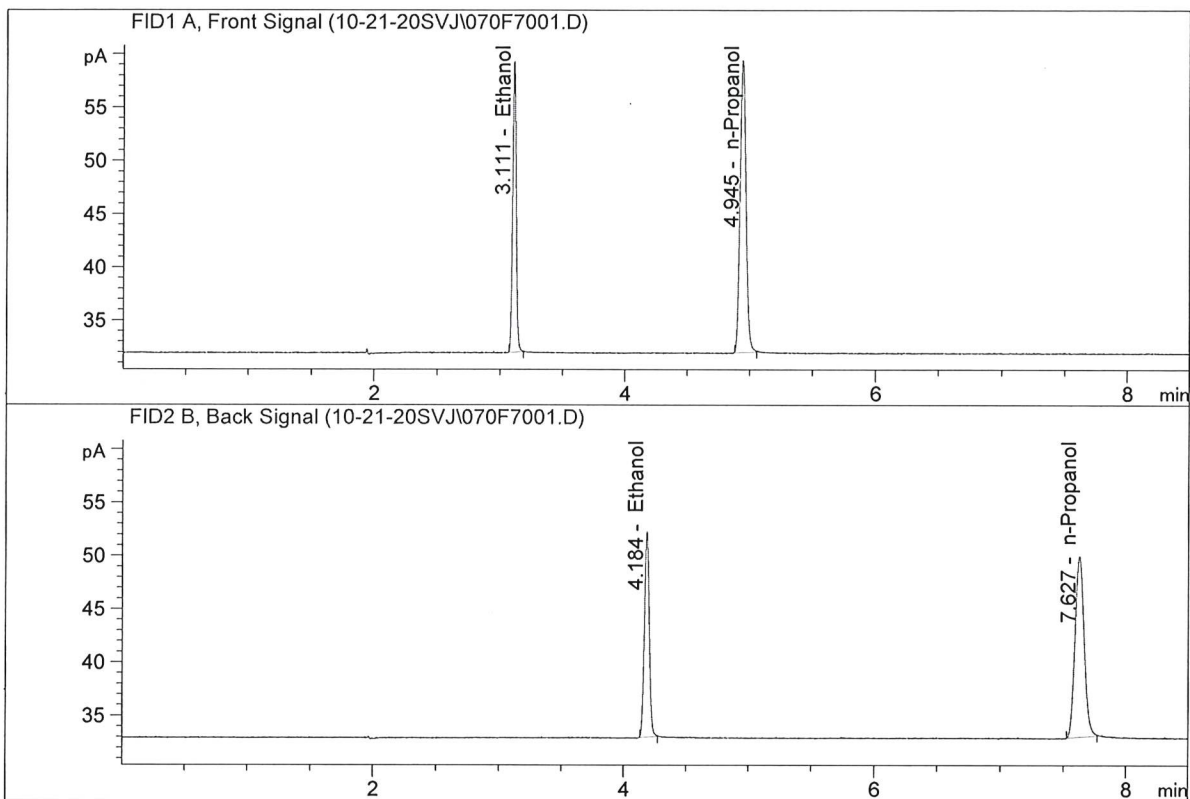


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.67775	0.2064	g/100cc
2.	Ethanol	Column 2:	35.46072	0.2034	g/100cc
3.	n-Propanol	Column 1:	90.54726	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.56249	1.0000	g/100cc

*MW*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

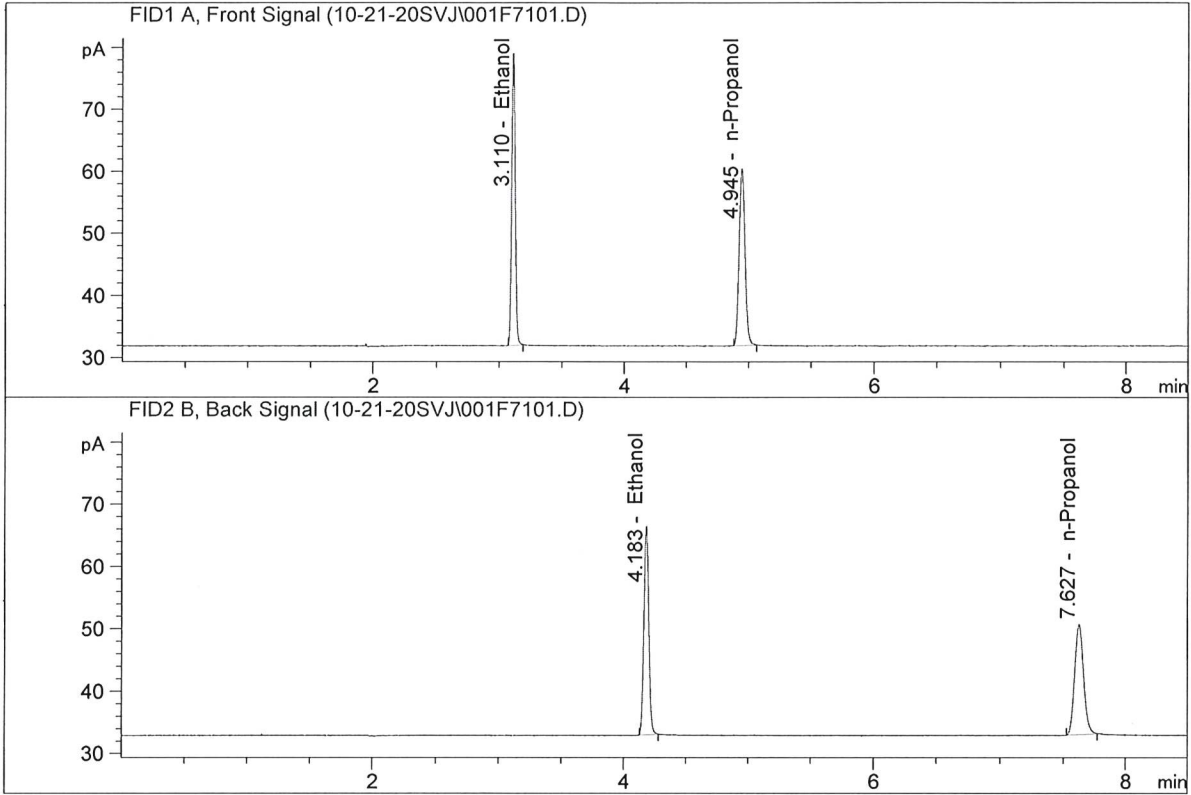


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.67823	0.3122	g/100cc
2.	Ethanol	Column 2:	53.26476	0.3074	g/100cc
3.	n-Propanol	Column 1:	90.05659	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.04217	1.0000	g/100cc

*Handwritten signature*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

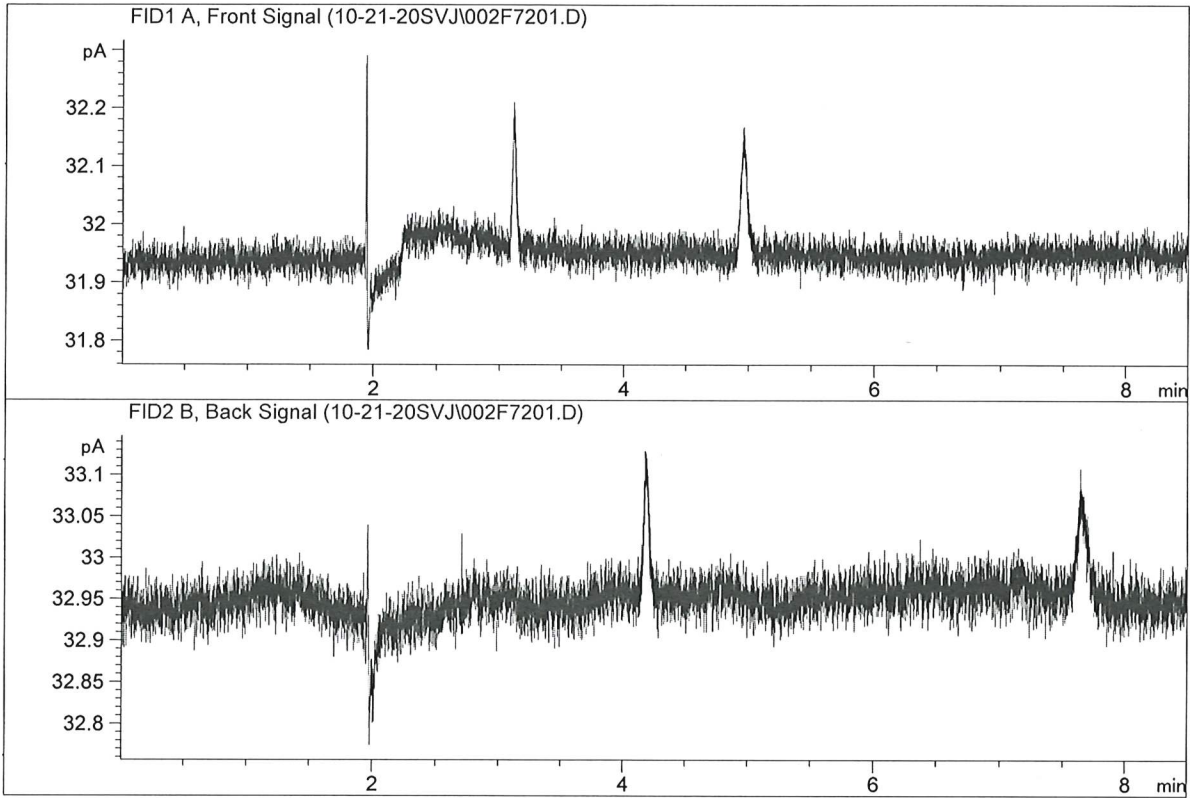


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	92.24801	0.5173	g/100cc
2.	Ethanol	Column 2:	92.09566	0.5142	g/100cc
3.	n-Propanol	Column 1:	93.40988	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.94432	1.0000	g/100cc

*Handwritten signature/initials*

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Oct 22, 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

*SN/A*