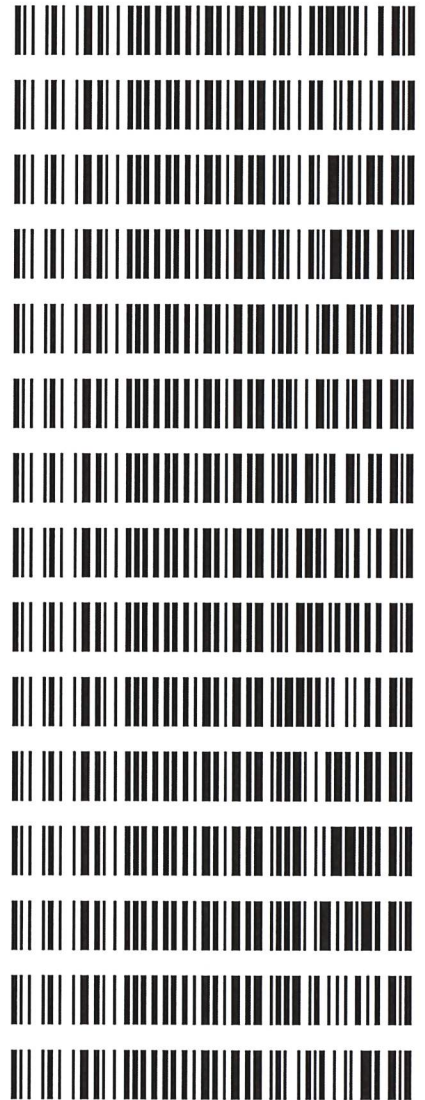


**Worklist: 4482**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-1568	1	AVK	Alcohol Analysis
C2020-1574	1	BCK	Alcohol Analysis
C2020-1574	2	BCK	Alcohol Analysis
C2020-1574	3	BCK	Alcohol Analysis
C2020-1593	1	BCK	Alcohol Analysis
C2020-1597	2	BCK	Alcohol Analysis
C2020-1616	1	BCK	Alcohol Analysis
C2020-1621	1	BCK	Alcohol Analysis
C2020-1640	1	BCK	Alcohol Analysis
C2020-1650	1	BCK	Alcohol Analysis
C2020-1663	1	BCK	Alcohol Analysis
C2020-1666	1	BCK	Alcohol Analysis
C2020-1666	2	BCK	Alcohol Analysis
C2020-1672	1	BCK	Alcohol Analysis
C2020-1722	1	BCK	Alcohol Analysis



99

**Worklist: 4485**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
C2020-1723	1	BCK	Alcohol Analysis



99

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): 9-1-20

Worksheet #4482+85

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0773 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1964 g/100cc
					0.1996 g/100cc
Multi-Component mixture: 9/31/2020					OK
Curve Fit:			Column 1	Lot # FN06041502	0.99998
			Column 2	0.99999	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	0.0490	0.0488	0.0002	0.0489
100	0.100	0.090 - 0.110	0.0989	0.0984	0.0005	0.0986
200	0.200	0.180 - 0.220	0.1979	0.1973	0.0006	0.1976
300	0.300	0.270 - 0.330	0.3018	0.3017	1E-04	0.3017
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5001	0.5005	0.0004	0.5003

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

**REVIEWED**  
By Rachel Cutler at 3:49 pm, Sep 08, 2020

Revision: 2

Issue Date: 12/23/2019

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_01.09.2020\_05.58.17\9-1-2020.S  
 Data directory path: C:\Chem32\1\Data\9-1-20jj  
 Logbook: C:\Chem32\1\Data\9-1-20jj\9-1-2020.LOG  
 Sequence start: 9/1/2020 6:12:05 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		9
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	C2020-1568-1-A	-	1.0000	008F0801.D		2
9	9	1	C2020-1568-1-B	-	1.0000	009F0901.D		2
10	10	1	C2020-1574-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-1574-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-1574-2-A	-	1.0000	012F1201.D		2
13	13	1	C2020-1574-2-B	-	1.0000	013F1301.D		2
14	14	1	C2020-1574-3-A	-	1.0000	014F1401.D		4
15	15	1	C2020-1574-3-B	-	1.0000	015F1501.D		4
16	16	1	C2020-1597-2-A	-	1.0000	016F1601.D		4
17	17	1	C2020-1597-2-B	-	1.0000	017F1701.D		4
18	18	1	C2020-1616-1-A	-	1.0000	018F1801.D		2
19	19	1	C2020-1616-1-B	-	1.0000	019F1901.D		2
20	20	1	C2020-1621-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-1621-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-1640-1-A	-	1.0000	022F2201.D		4
23	23	1	C2020-1640-1-B	-	1.0000	023F2301.D		4
24	24	1	C2020-1650-1-A	-	1.0000	024F2401.D		2
25	25	1	C2020-1650-1-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	C2020-1663-1-A	-	1.0000	028F2801.D		4
29	29	1	C2020-1663-1-B	-	1.0000	029F2901.D		4
30	30	1	C2020-1666-1-A	-	1.0000	030F3001.D		4
31	31	1	C2020-1666-1-B	-	1.0000	031F3101.D		4
32	32	1	C2020-1672-1-A	-	1.0000	032F3201.D		4
33	33	1	C2020-1672-1-B	-	1.0000	033F3301.D		4
34	34	1	C2020-1722-1-A	-	1.0000	034F3401.D		4
35	35	1	C2020-1722-1-B	-	1.0000	035F3501.D		4
36	36	1	C2020-1723-1-A	-	1.0000	036F3601.D		4
37	37	1	C2020-1723-1-B	-	1.0000	037F3701.D		4
38	38	1	QC-2(2)-A	-	1.0000	038F3801.D		4
39	39	1	QC-2(2)-B	-	1.0000	039F3901.D		4
40	40	1	ISTD BLANK-2	-	1.0000	040F4001.D		2
41	41	1	0.05 CHECK	-	1.0000	041F4101.D		4
42	42	1	0.100 CHECK	-	1.0000	042F4201.D		4
43	43	1	0.200 CHECK	-	1.0000	043F4301.D		4
44	44	1	0.300 CHECK	-	1.0000	044F4401.D		4
45	45	1	0.500 CHECK	-	1.0000	045F4501.D		4

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

-----  
General Calibration Setting  
-----

Calib. Data Modified : Tuesday, September 01, 2020 5:55:45 PM  
Signals calculated separately : No

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

Curve Type : Linear  
Origin : Forced  
Weight : Equal

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

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

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

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

-----  
Signal Details  
-----

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

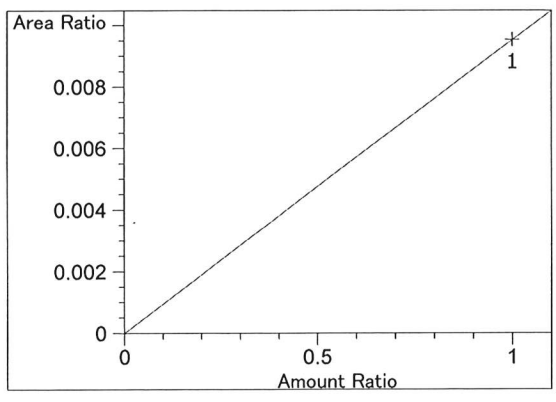
-----  
Overview Table  
-----

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
3.111	1	1	5.00000e-2	8.57565	5.83046e-3	No	No	1 Ethanol
		2	1.00000e-1	17.45856	5.72785e-3			
		3	2.00000e-1	34.96803	5.71951e-3			
		4	3.00000e-1	53.43444	5.61436e-3			
		5	5.00000e-1	88.51913	5.64850e-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
4.185	2	1	5.00000e-2	8.60915	5.80778e-3	No	No	2 Ethanol
		2	1.00000e-1	17.49312	5.71653e-3			
		3	2.00000e-1	34.98688	5.71643e-3			
		4	3.00000e-1	53.48943	5.60858e-3			
		5	5.00000e-1	88.69687	5.63718e-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
4.946	1	1	1.00000	113.48564	8.81169e-3	No	Yes	1 n-Propanol
		2	1.00000	114.36767	8.74373e-3			
		3	1.00000	114.47387	8.73562e-3			
		4	1.00000	114.72053	8.71684e-3			
		5	1.00000	114.70625	8.71792e-3			
7.629	2	1	1.00000	112.07280	8.92277e-3	No	Yes	2 n-Propanol
		2	1.00000	112.98865	8.85045e-3			
		3	1.00000	112.77687	8.86707e-3			
		4	1.00000	112.73951	8.87000e-3			
		5	1.00000	112.67157	8.87535e-3			

Peak Sum Table

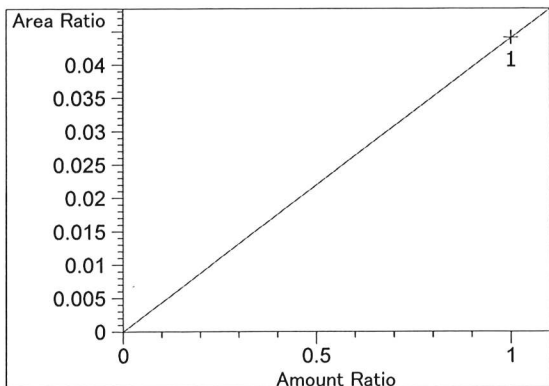
\*\*\*No Entries in table\*\*\*

Calibration Curves

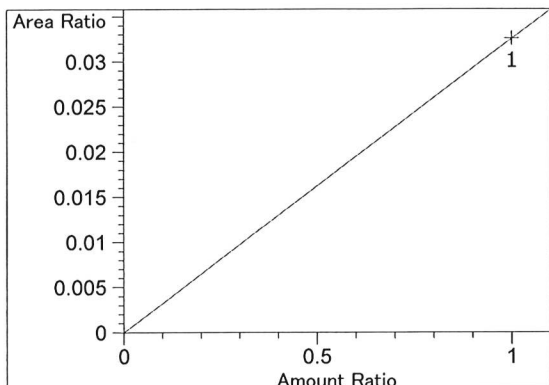


Difluoroethane at exp. RT: 1.977  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 9.52900e-3  
 x: Amount Ratio  
 y: Area Ratio

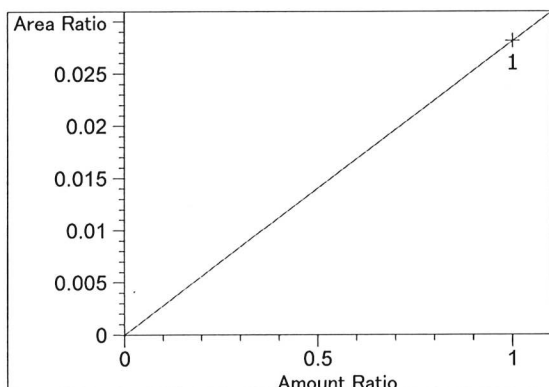
99



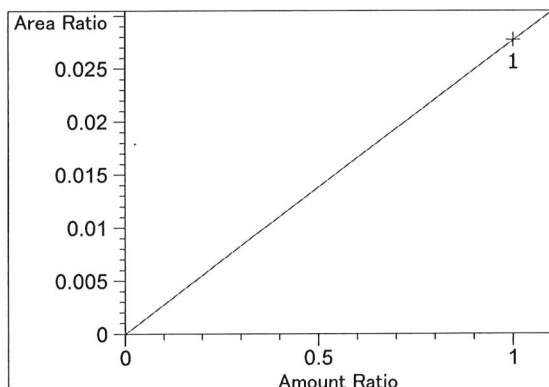
Difluoroethane at exp. RT: 2.000  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $4.40584e-2$   
 x: Amount Ratio  
 y: Area Ratio



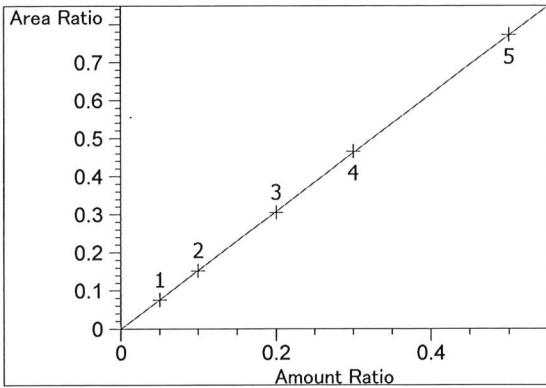
Methanol at exp. RT: 2.494  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $3.25741e-2$   
 x: Amount Ratio  
 y: Area Ratio



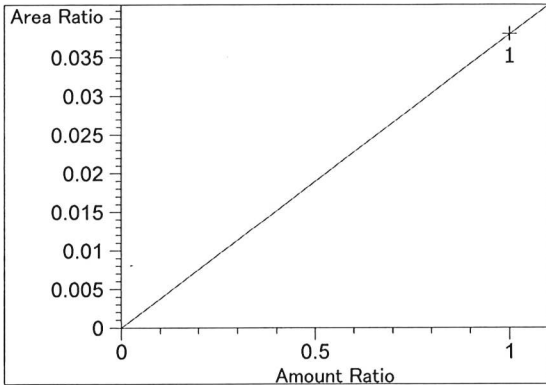
Acetaldehyde at exp. RT: 2.772  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $2.81367e-2$   
 x: Amount Ratio  
 y: Area Ratio



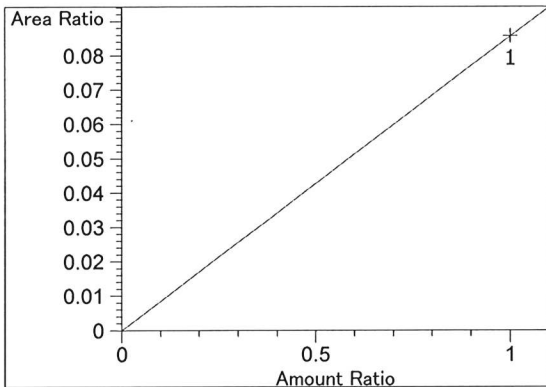
Acetaldehyde at exp. RT: 2.797  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $2.77119e-2$   
 x: Amount Ratio  
 y: Area Ratio



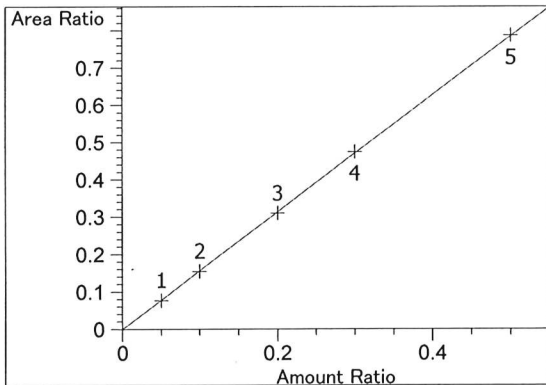
Ethanol at exp. RT: 3.111  
 FID1 A, Front Signal  
 Correlation: 0.99999  
 Residual Std. Dev.: 0.00242  
 Formula:  $y = mx$   
 m: 1.54324  
 x: Amount Ratio  
 y: Area Ratio



Methanol at exp. RT: 3.211  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 3.80166e-2  
 x: Amount Ratio  
 y: Area Ratio

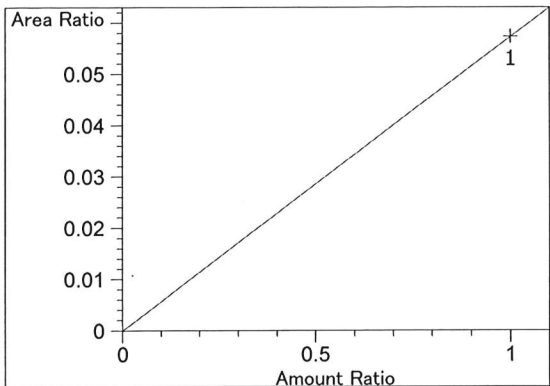


Isopropyl alcohol at exp. RT: 3.715  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 8.57426e-2  
 x: Amount Ratio  
 y: Area Ratio

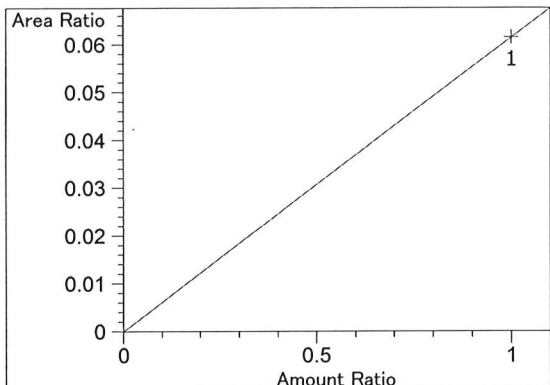


Ethanol at exp. RT: 4.185  
 FID2 B, Back Signal  
 Correlation: 0.99998  
 Residual Std. Dev.: 0.00298  
 Formula:  $y = mx$   
 m: 1.57277  
 x: Amount Ratio  
 y: Area Ratio

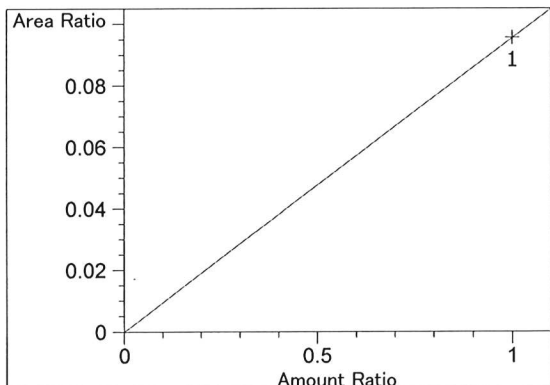




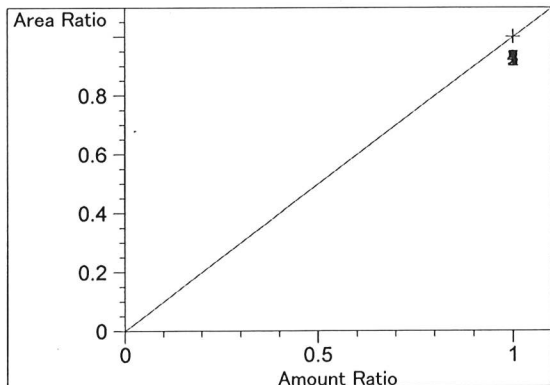
Acetone at exp. RT: 4.530  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $5.72707e-2$   
x: Amount Ratio  
y: Area Ratio



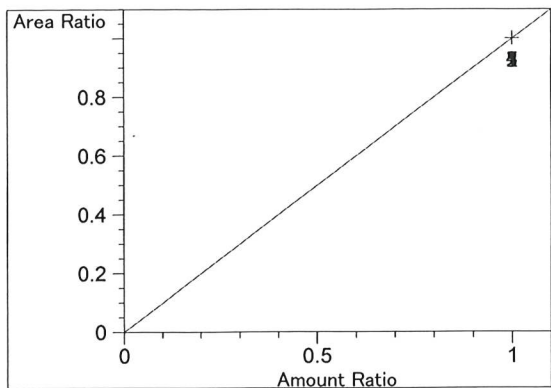
Acetone at exp. RT: 4.549  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $6.15048e-2$   
x: Amount Ratio  
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m:  $9.55309e-2$   
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 4.946  
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: 7.629  
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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99

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

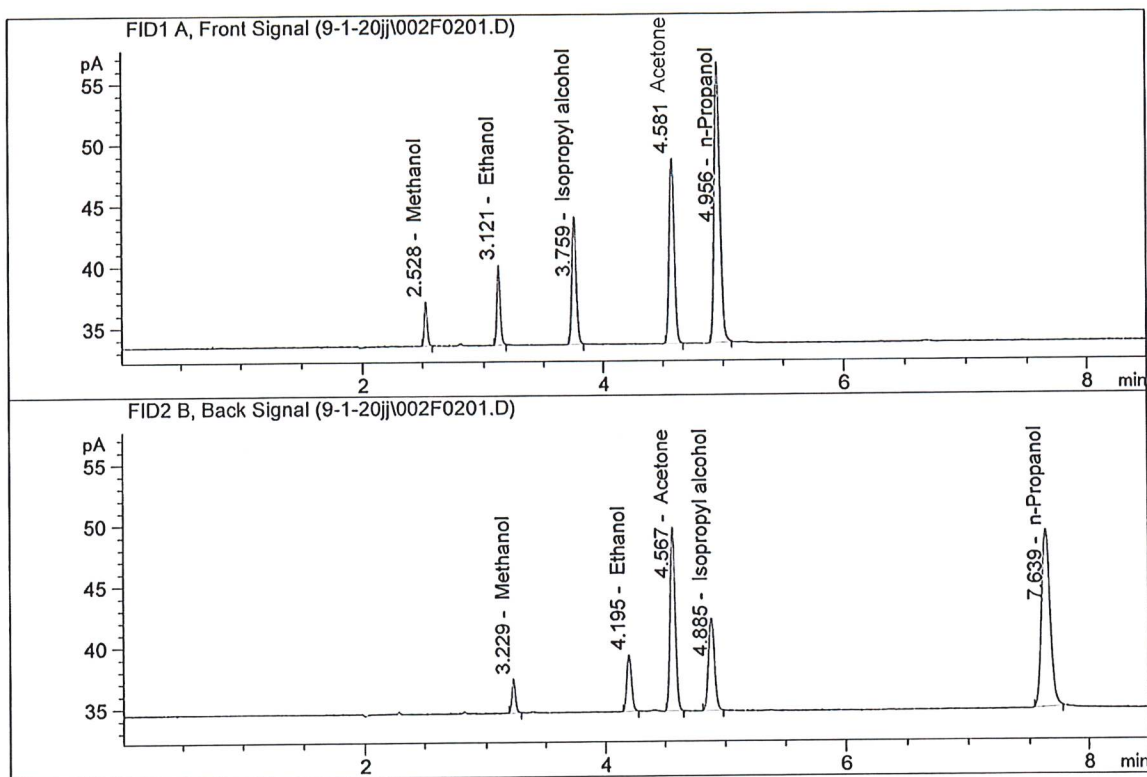
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 Data directory path: C:\Chem32\1\Data\9-1-20calJJ  
 Logbook: C:\Chem32\1\Data\9-1-20calJJ\9-1-20cal.LOG  
 Sequence start: 9/1/2020 4:24:37 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	WATER	-	1.0000	001F0101.D		0
2	2	1	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

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

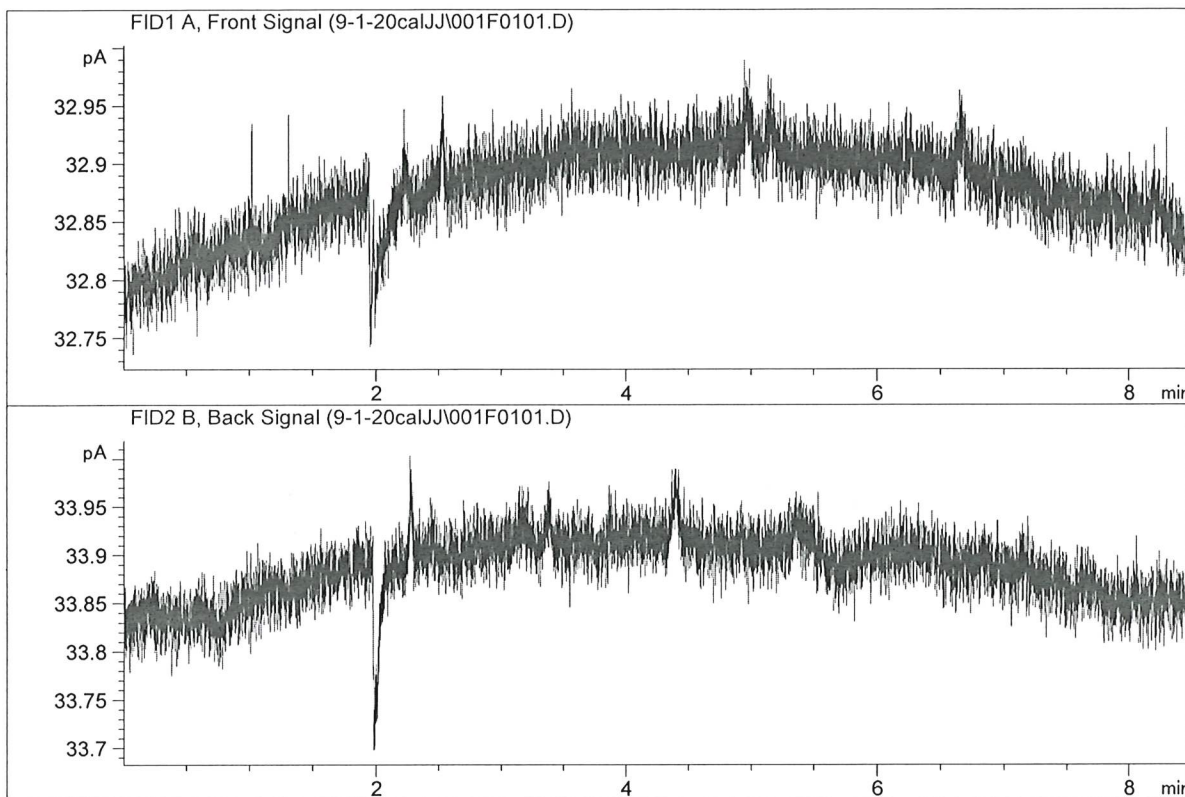


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.88974	0.1107	g/100cc
2.	Ethanol	Column 2:	12.82145	0.1104	g/100cc
3.	n-Propanol	Column 1:	75.42405	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.81176	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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

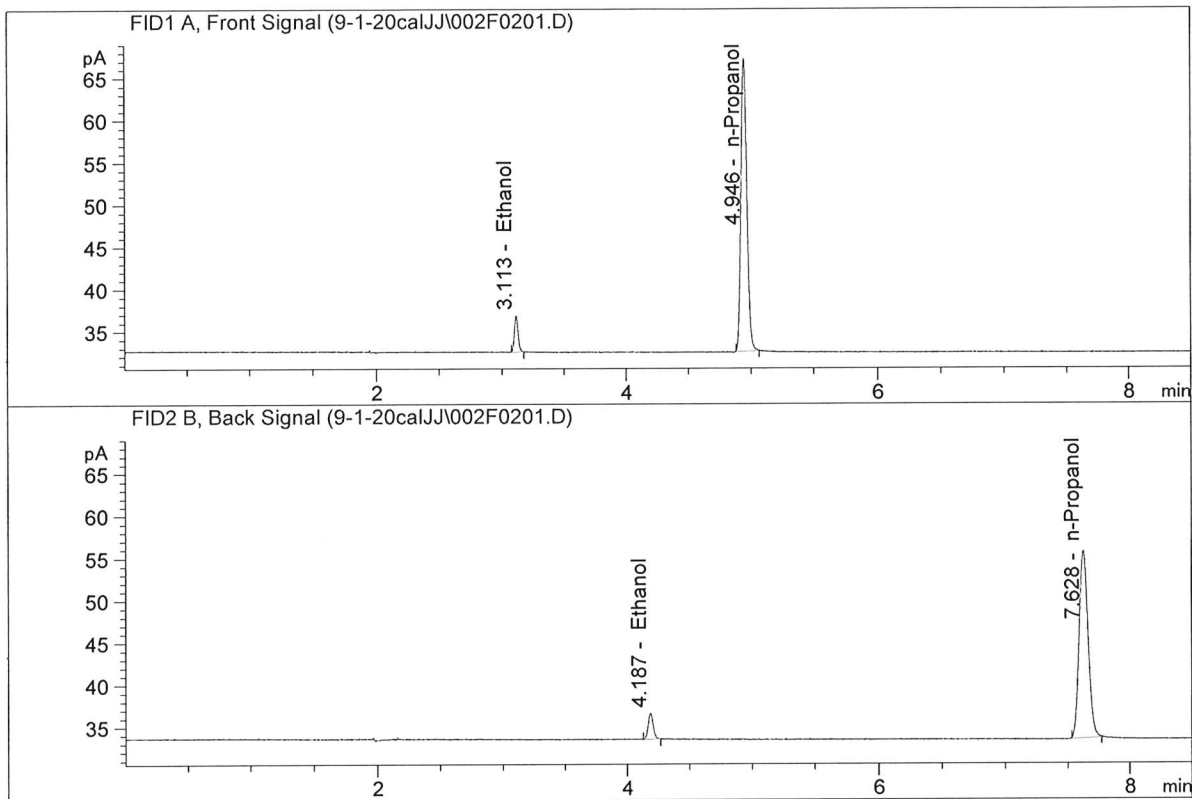


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

*JA*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

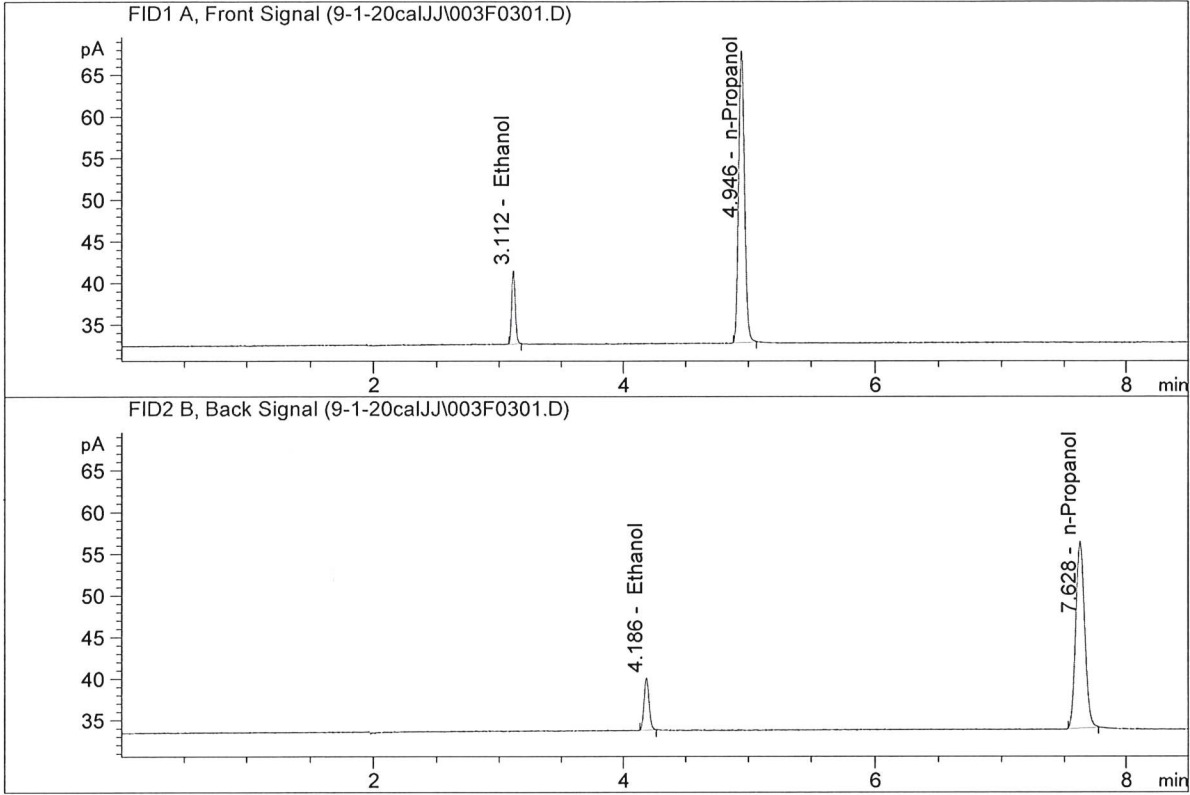


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.57565	0.0490	g/100cc
2.	Ethanol	Column 2:	8.60915	0.0488	g/100cc
3.	n-Propanol	Column 1:	113.48564	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.07280	1.0000	g/100cc

*JA*

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

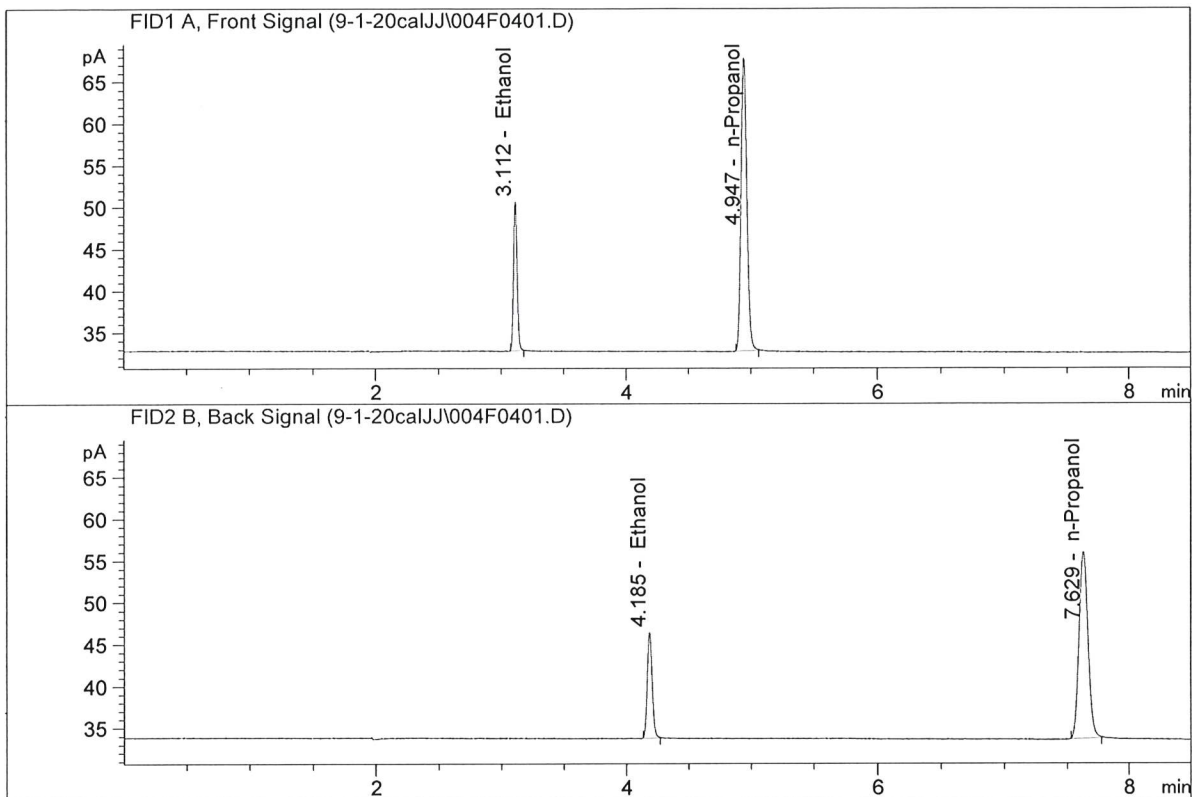


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.45856	0.0989	g/100cc
2.	Ethanol	Column 2:	17.49312	0.0984	g/100cc
3.	n-Propanol	Column 1:	114.36767	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.98865	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

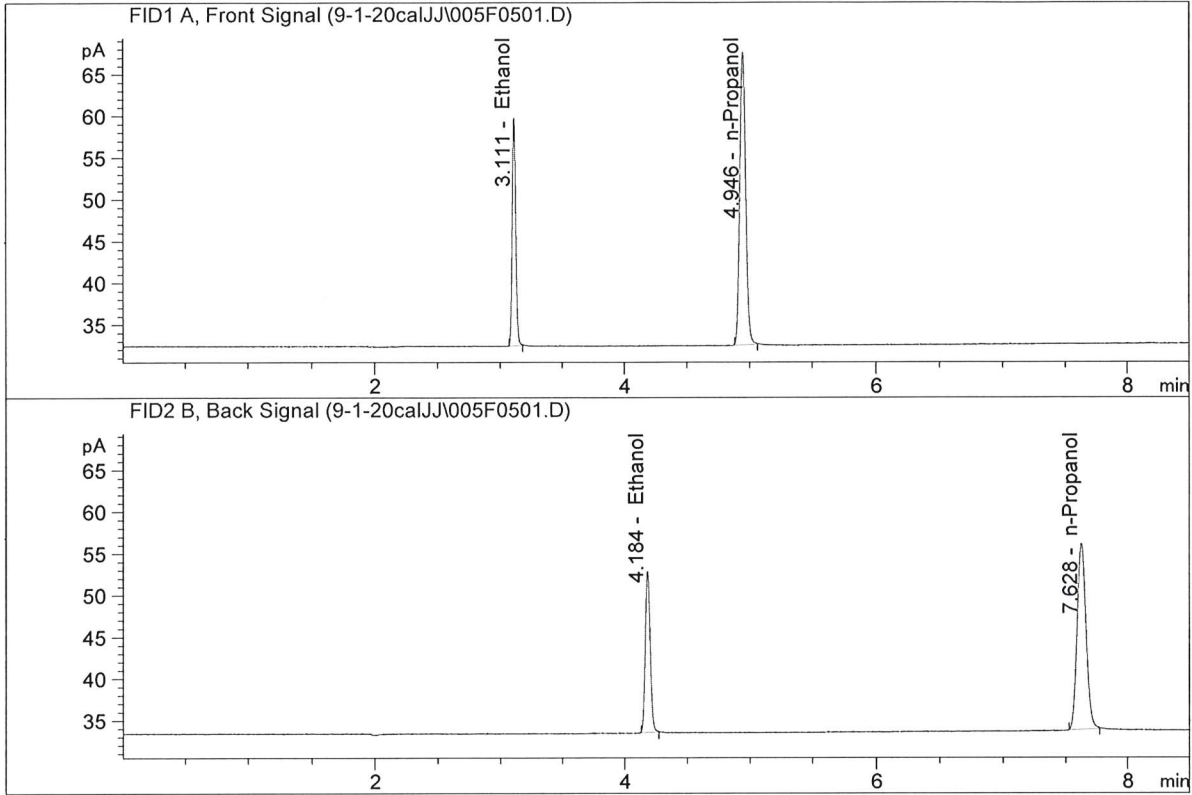


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.96803	0.1979	g/100cc
2.	Ethanol	Column 2:	34.98688	0.1973	g/100cc
3.	n-Propanol	Column 1:	114.47387	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.77687	1.0000	g/100cc



ISP Forensic Services Blood Alcohol Report

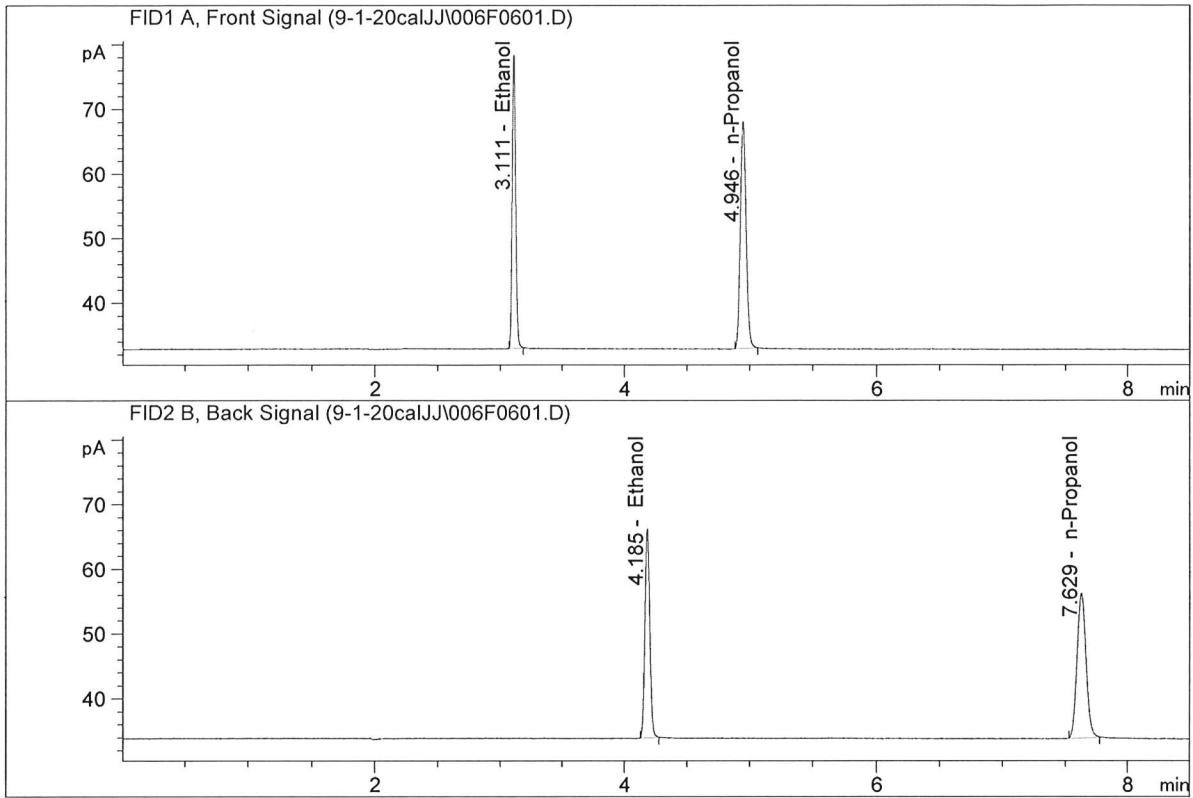
Sample Name : 0.300  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.43444	0.3018	g/100cc
2.	Ethanol	Column 2:	53.48943	0.3017	g/100cc
3.	n-Propanol	Column 1:	114.72053	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.73951	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

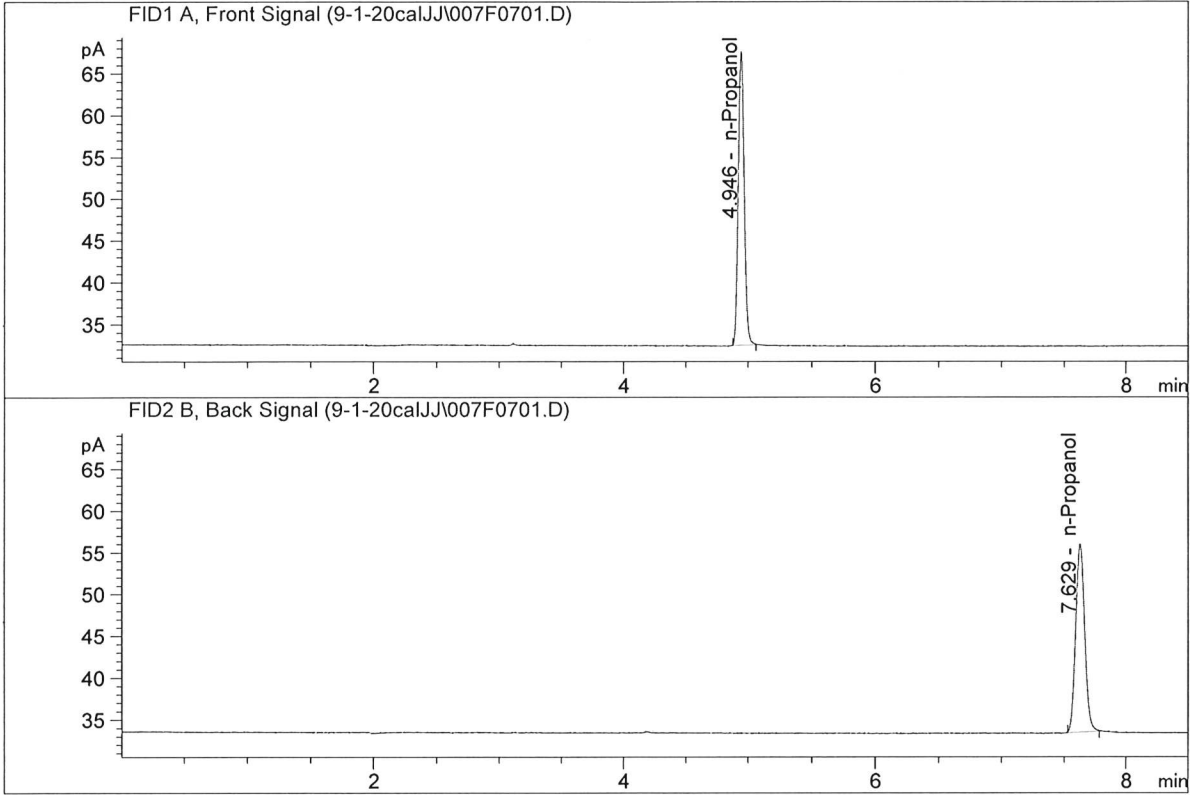


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	88.51913	0.5001	g/100cc
2.	Ethanol	Column 2:	88.69687	0.5005	g/100cc
3.	n-Propanol	Column 1:	114.70625	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.67157	1.0000	g/100cc

*Handwritten signature*

ISP Forensic Services Blood Alcohol Report

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

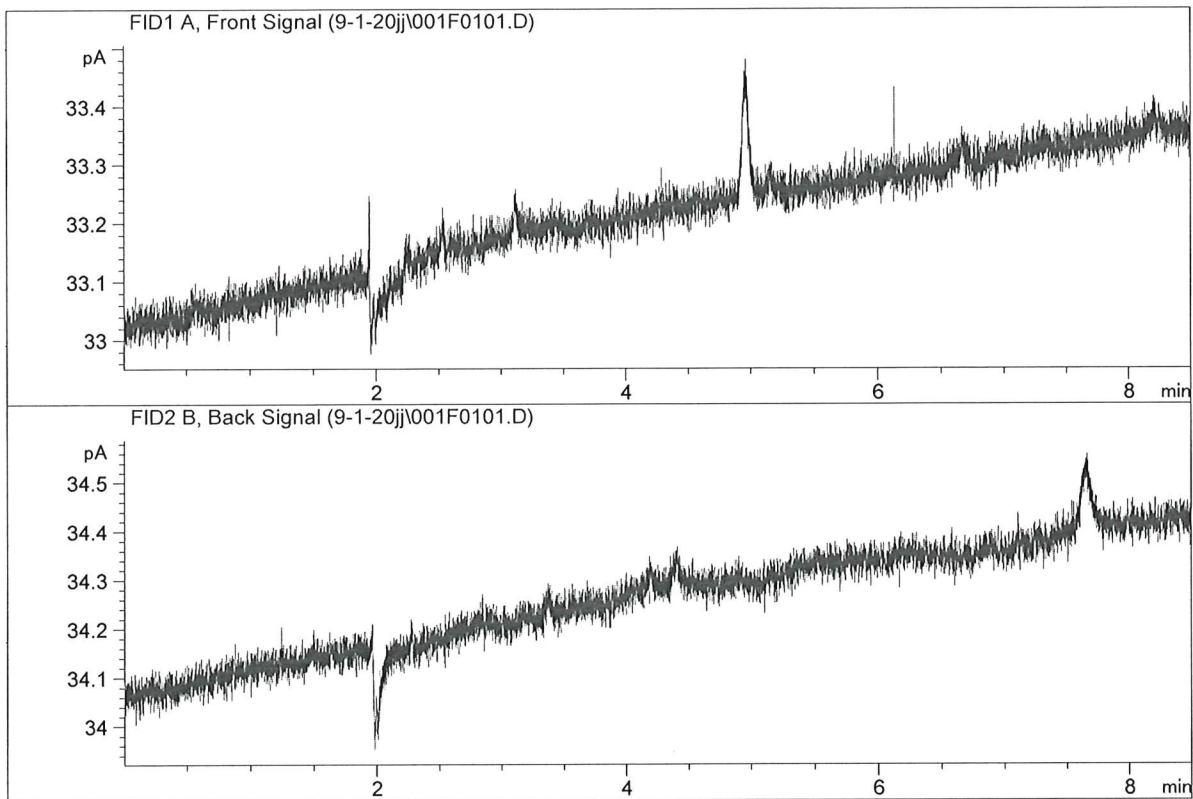


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	114.61320	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.49605	1.0000	g/100cc

*JA*

ISP Forensic Services Blood Alcohol Report

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

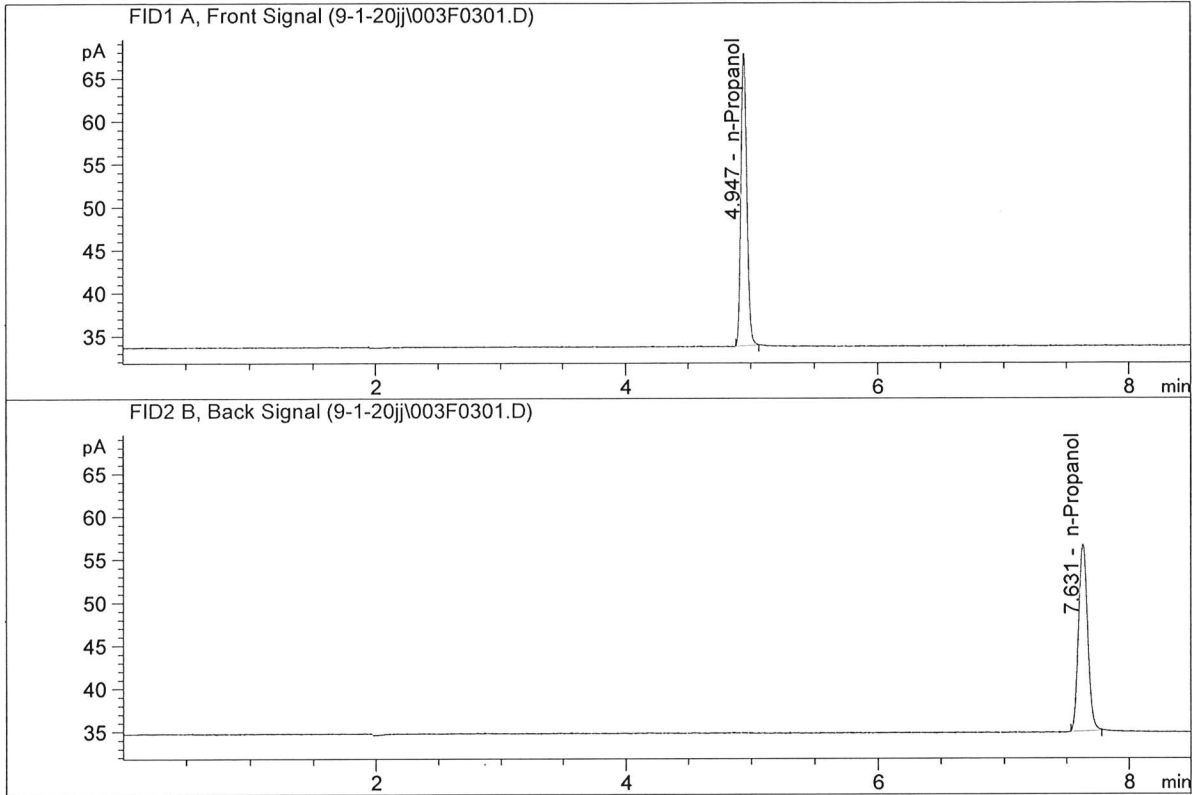


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

*JA*

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 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:	111.42929	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.86809	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 01 Sep 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0799	0.0791	0.0008	0.0795	0.0007	0.0791
(g/100cc)	0.0793	0.0783	0.0010	0.0788		

**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.*

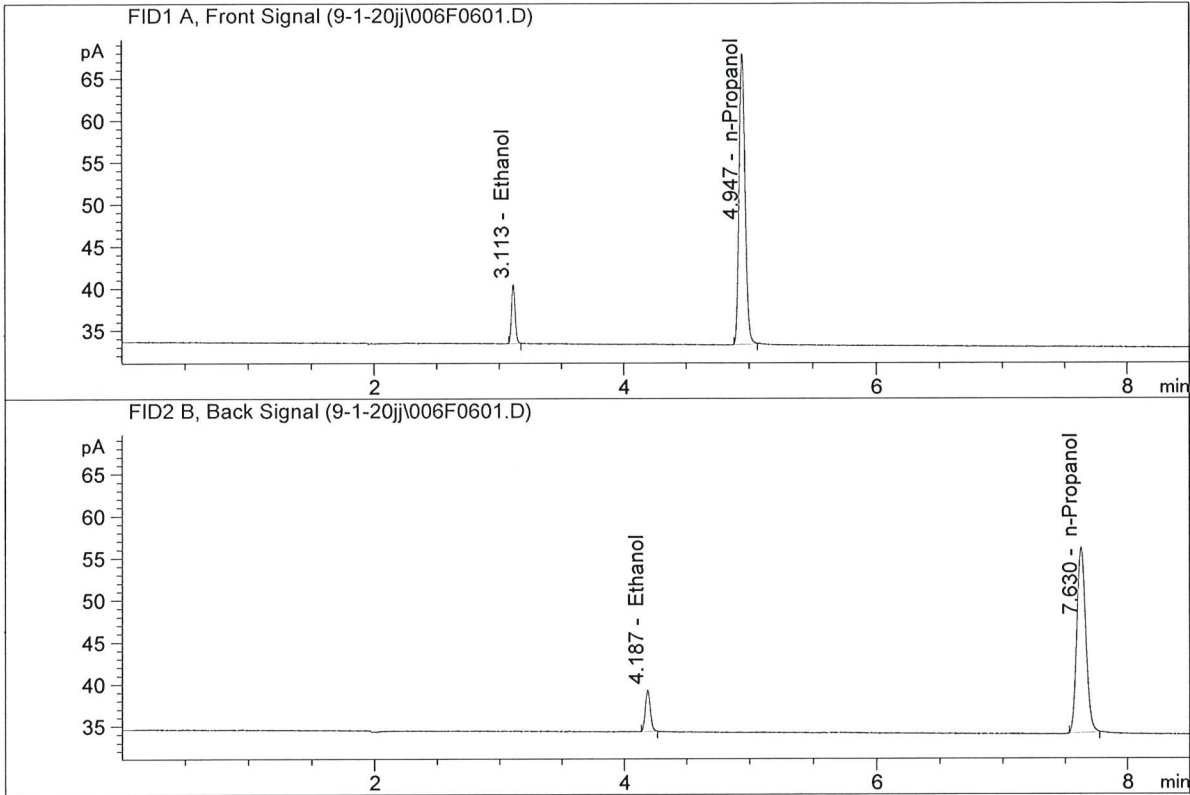
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

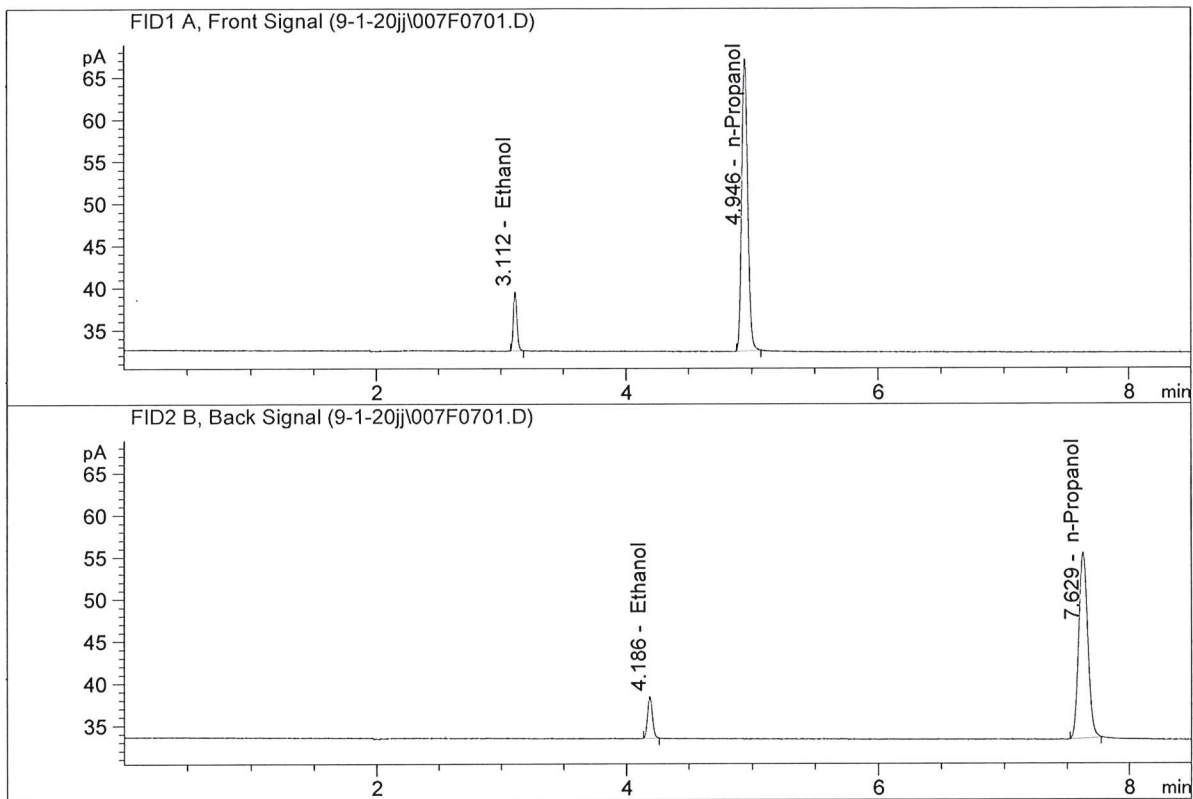
Sample Name : 0.08 FN09181807-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.96067	0.0799	g/100cc
2.	Ethanol	Column 2:	13.86425	0.0791	g/100cc
3.	n-Propanol	Column 1:	113.21663	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.45551	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 1, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.92791	0.0793	g/100cc
2.	Ethanol	Column 2:	13.78072	0.0783	g/100cc
3.	n-Propanol	Column 1:	113.81851	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.97164	1.0000	g/100cc

*gf*



**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(1)

Analysis Date(s): 01 Sep 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0780	0.0768	0.0012	0.0774	0.0002	0.0773
(g/100cc)	0.0777	0.0767	0.0010	0.0772		

**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.*

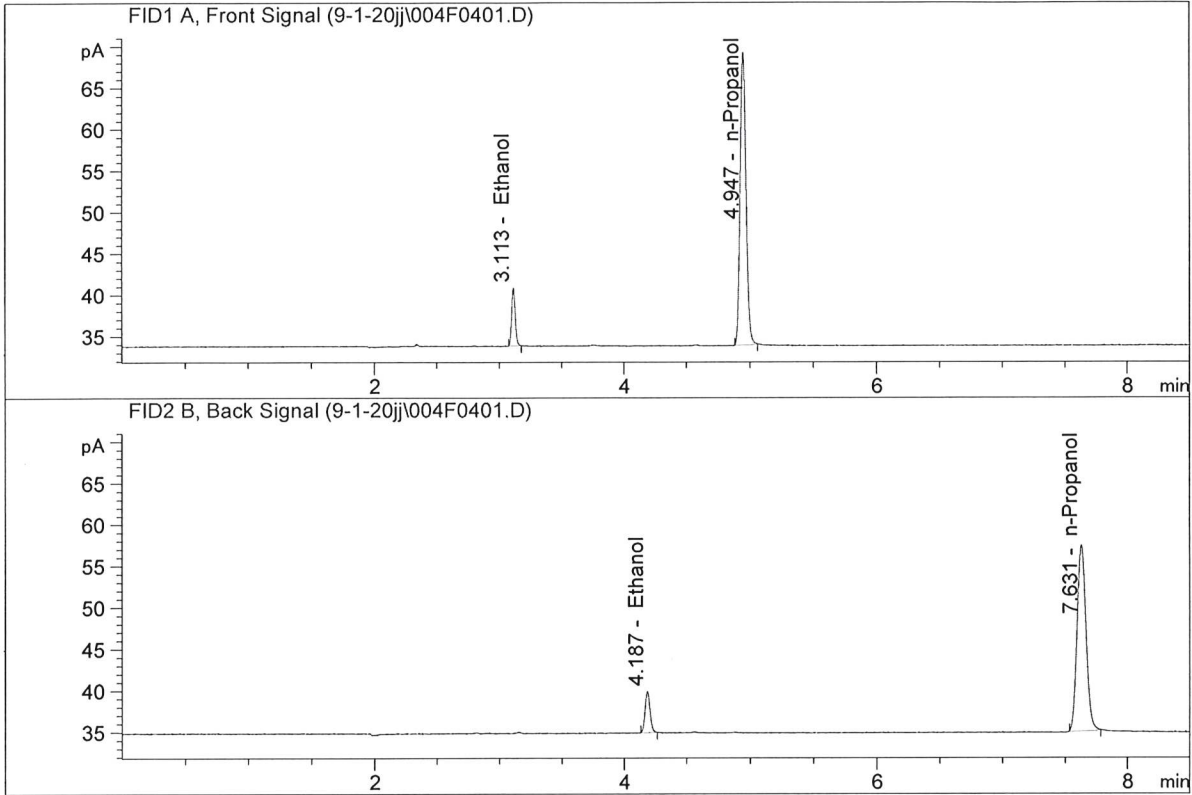
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

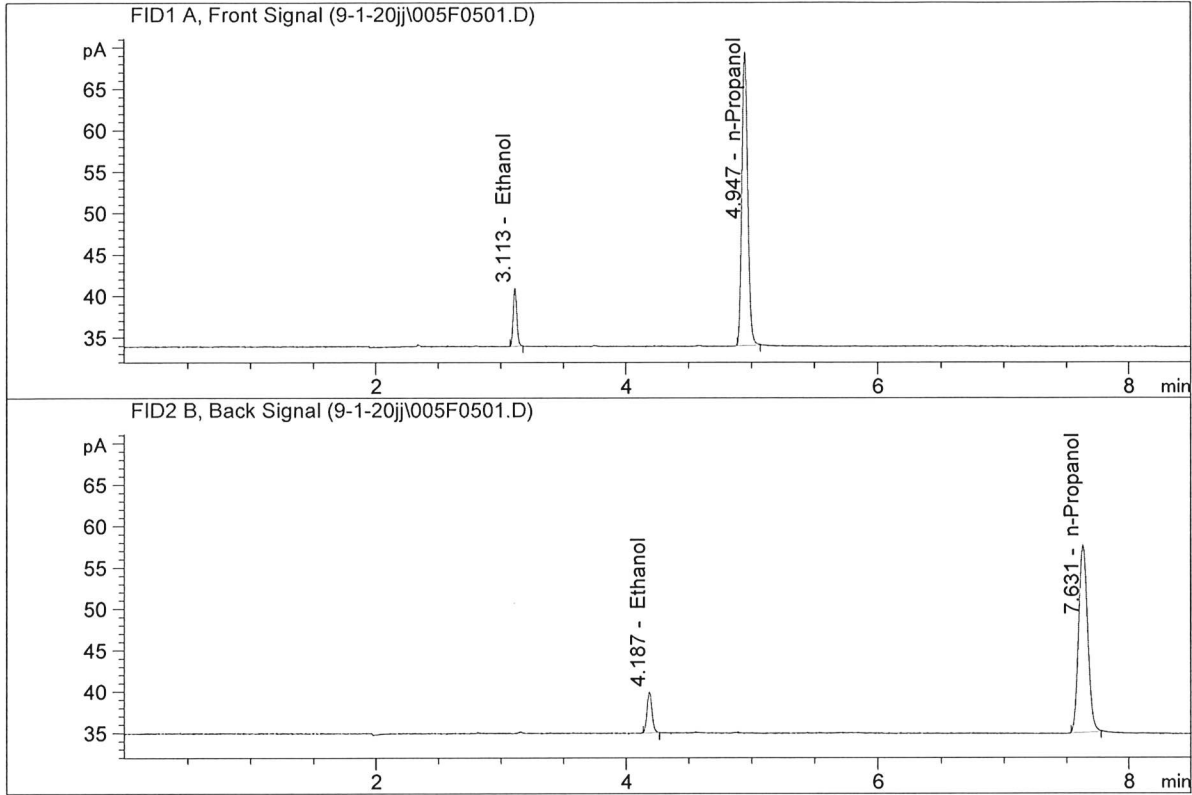


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.85020	0.0780	g/100cc
2.	Ethanol	Column 2:	13.73792	0.0768	g/100cc
3.	n-Propanol	Column 1:	115.12893	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.70068	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.88116	0.0777	g/100cc
2.	Ethanol	Column 2:	13.75296	0.0767	g/100cc
3.	n-Propanol	Column 1:	115.74623	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.97684	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(1)

Analysis Date(s): 01 Sep 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1949	0.1955	0.0006	0.1952	0.0025	0.1964
(g/100cc)	0.1977	0.1977	0.0000	0.1977		

**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
0.196	0.186	0.206	0.010

Reported Result	
0.196	

*Calibration and control data are stored centrally.*

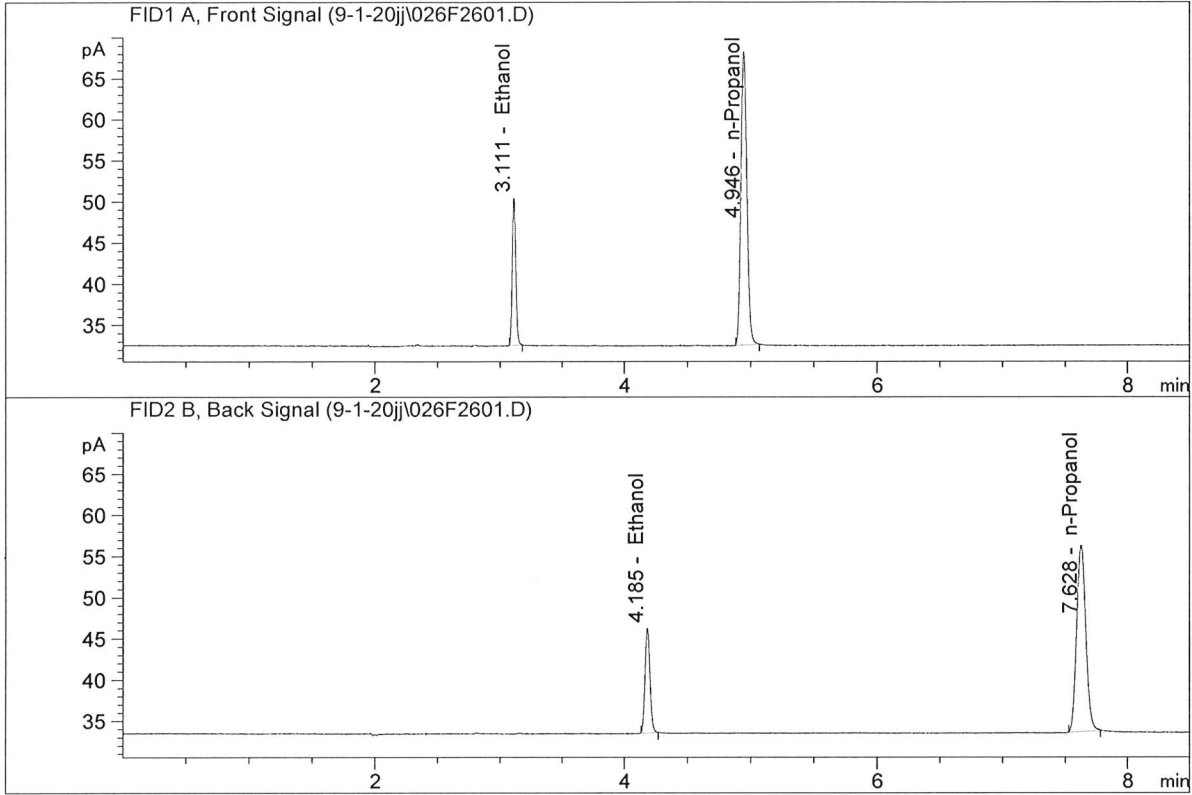
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

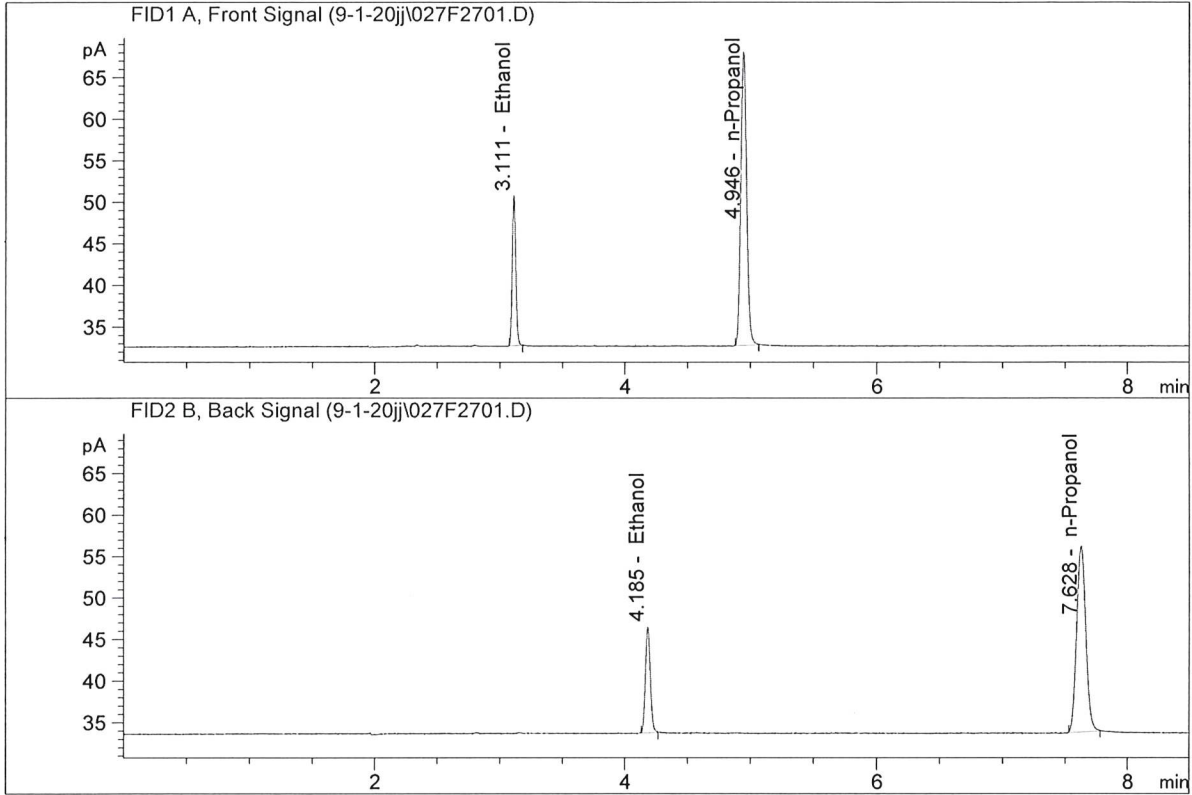


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.19887	0.1949	g/100cc
2.	Ethanol	Column 2:	35.26196	0.1955	g/100cc
3.	n-Propanol	Column 1:	117.00712	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.67873	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.23058	0.1977	g/100cc
2.	Ethanol	Column 2:	35.21865	0.1977	g/100cc
3.	n-Propanol	Column 1:	115.48586	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.27048	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(2)

Analysis Date(s): 02 Sep 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1998	0.2004	0.0006	0.2001	0.0010	0.1996
(g/100cc)	0.1988	0.1994	0.0006	0.1991		

**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

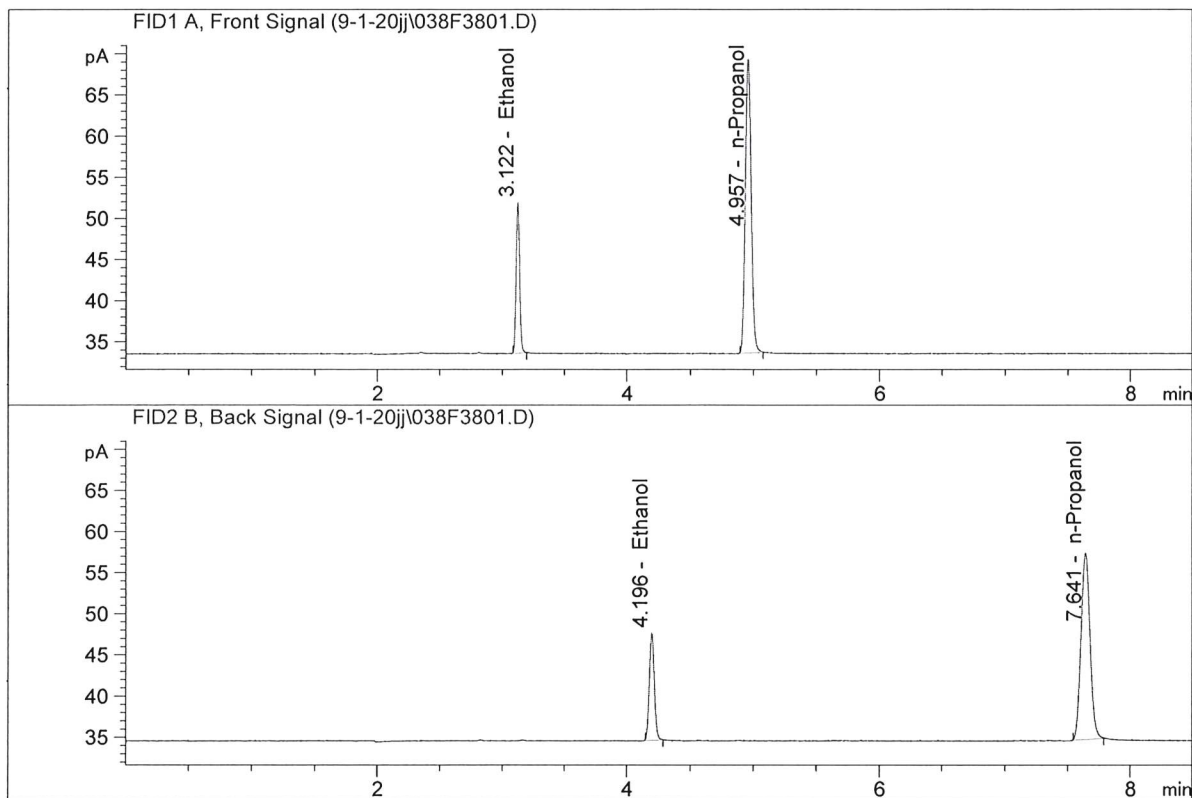
Issue Date: 12/23/2019

Issuing Authority: Quality Manager

99

ISP Forensic Services Blood Alcohol Report

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



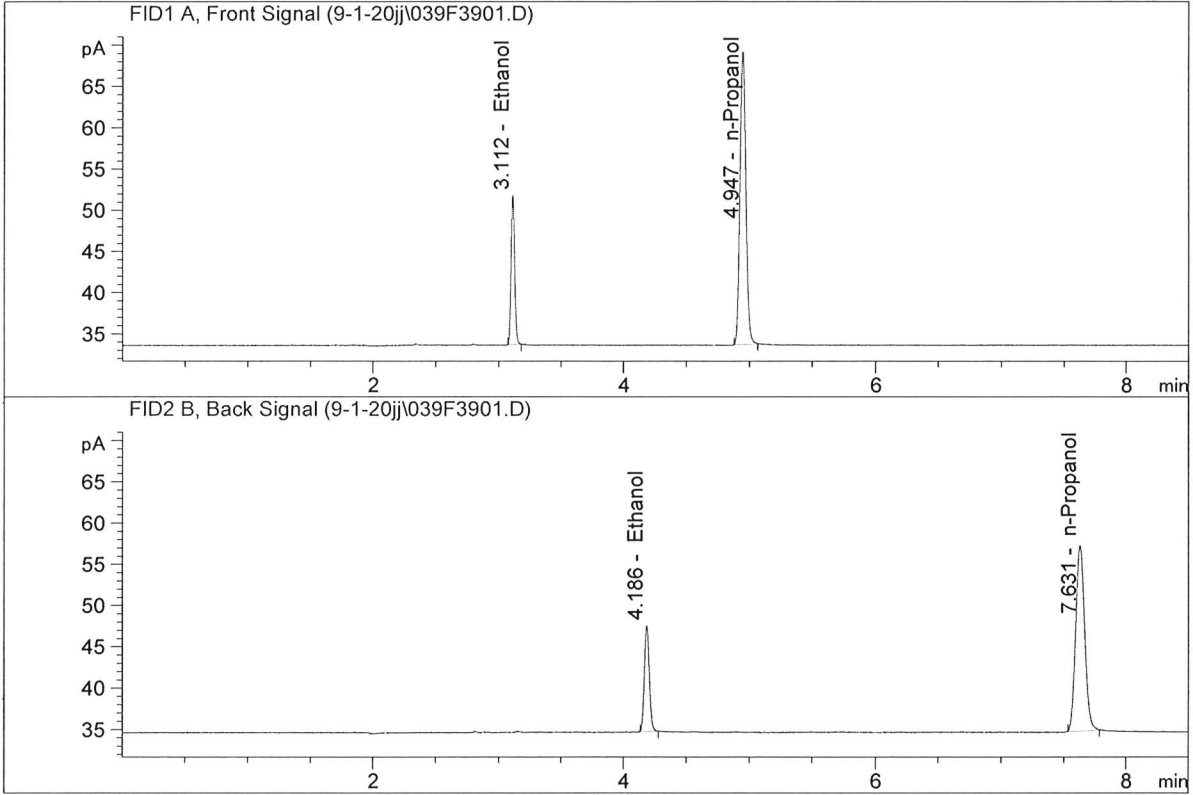
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.97176	0.1998	g/100cc
2.	Ethanol	Column 2:	36.01396	0.2004	g/100cc
3.	n-Propanol	Column 1:	116.63737	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.25808	1.0000	g/100cc

99



ISP Forensic Services Blood Alcohol Report

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

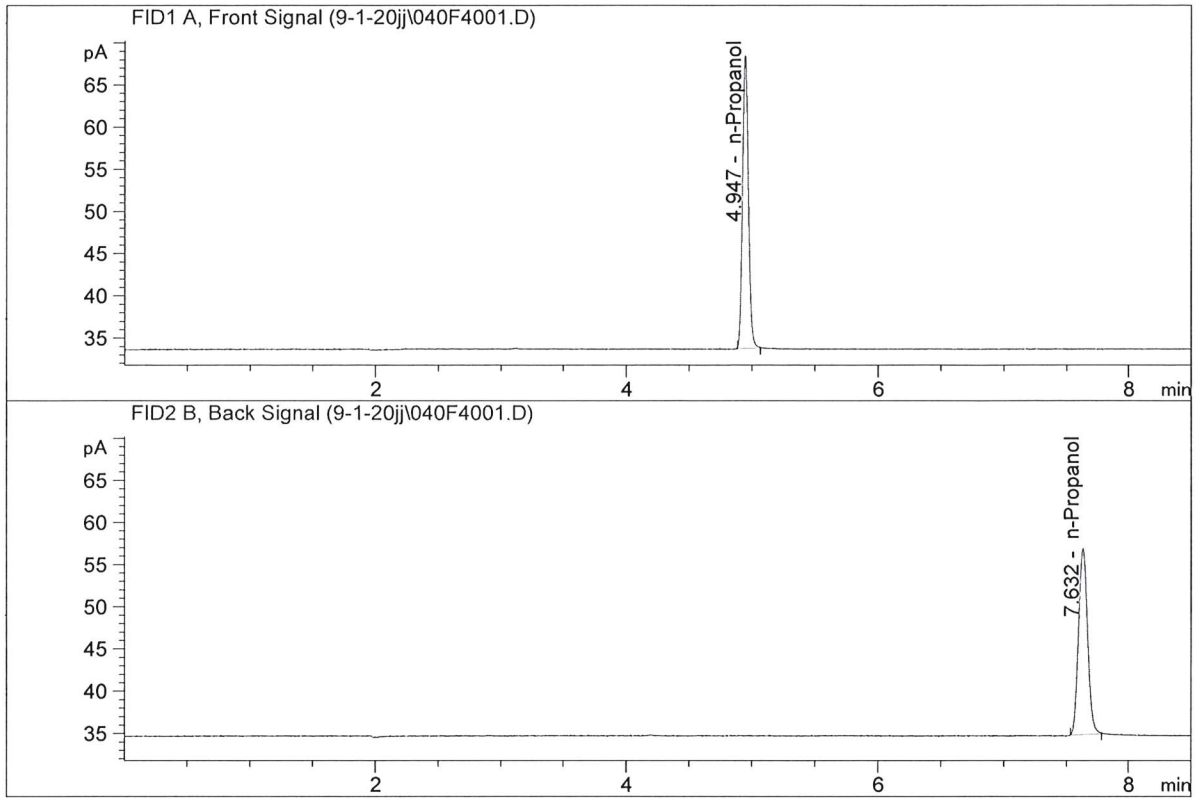


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.63052	0.1988	g/100cc
2.	Ethanol	Column 2:	35.70645	0.1994	g/100cc
3.	n-Propanol	Column 1:	116.15729	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.83852	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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

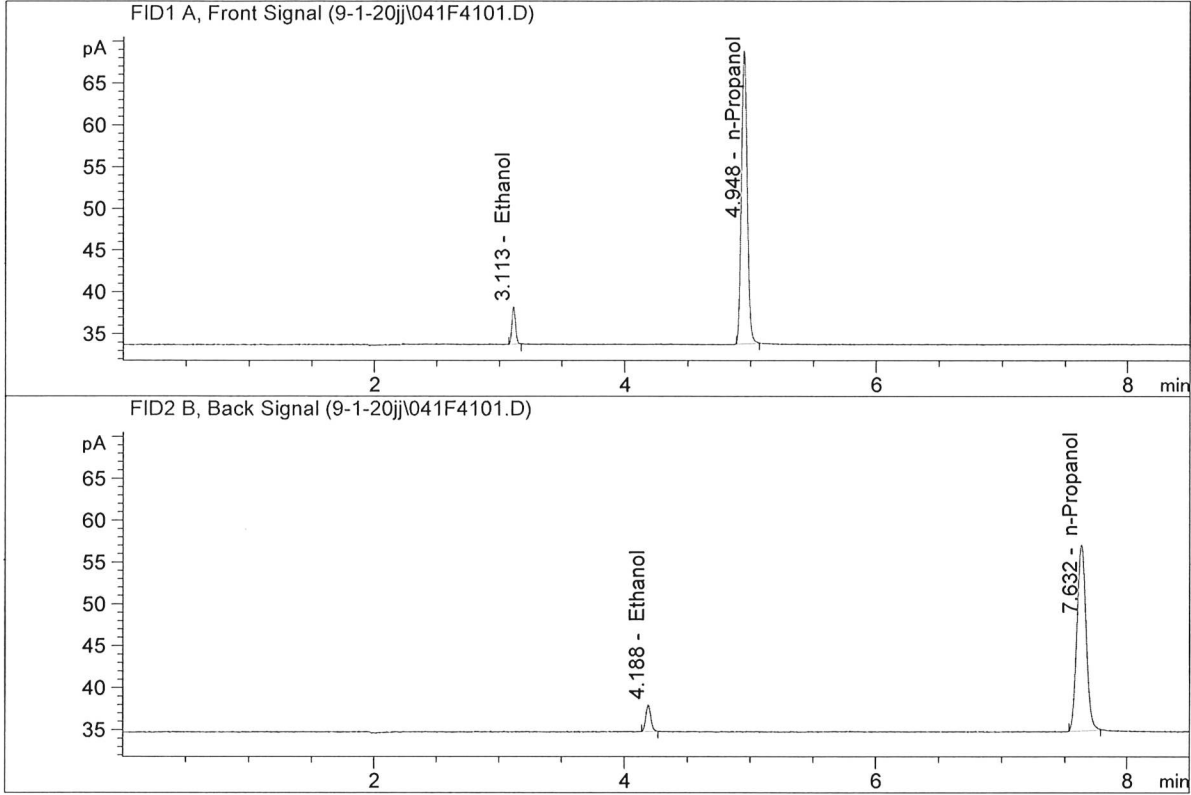


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	113.37150	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.38788	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 2, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

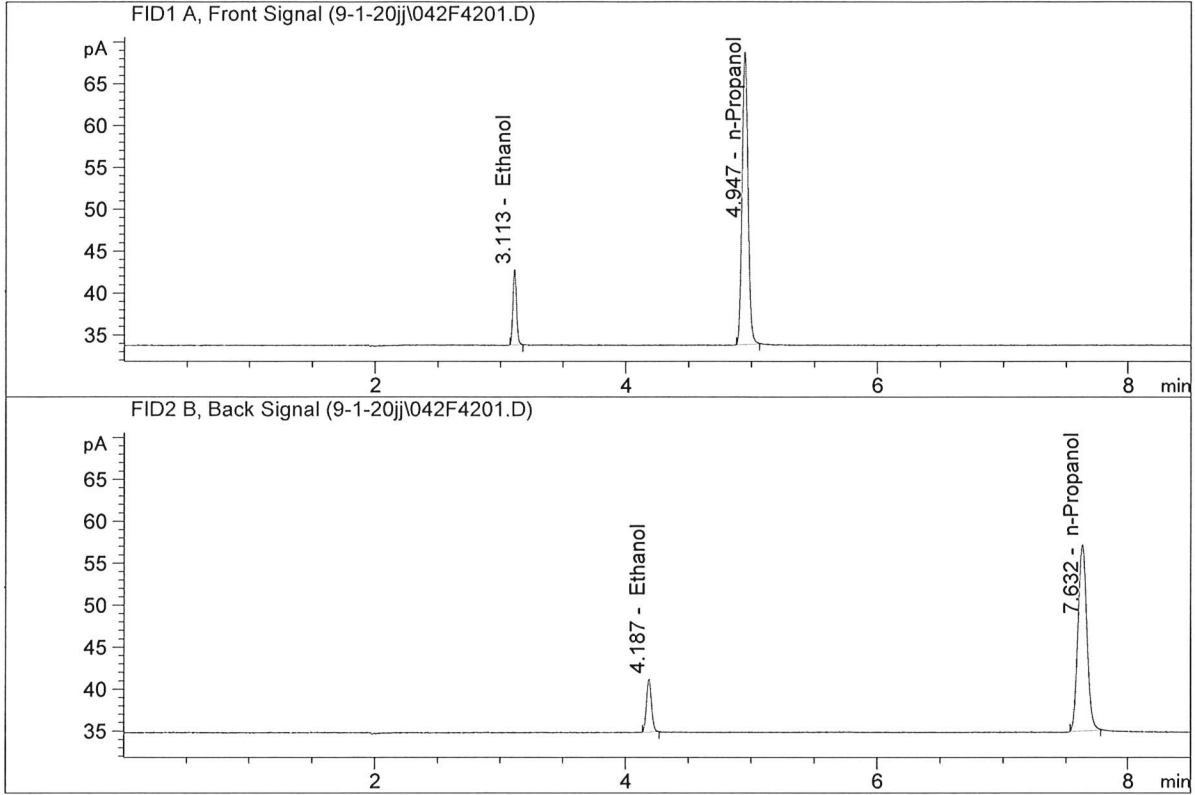


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.92305	0.0505	g/100cc
2.	Ethanol	Column 2:	8.85949	0.0500	g/100cc
3.	n-Propanol	Column 1:	114.42114	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.59633	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 2, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

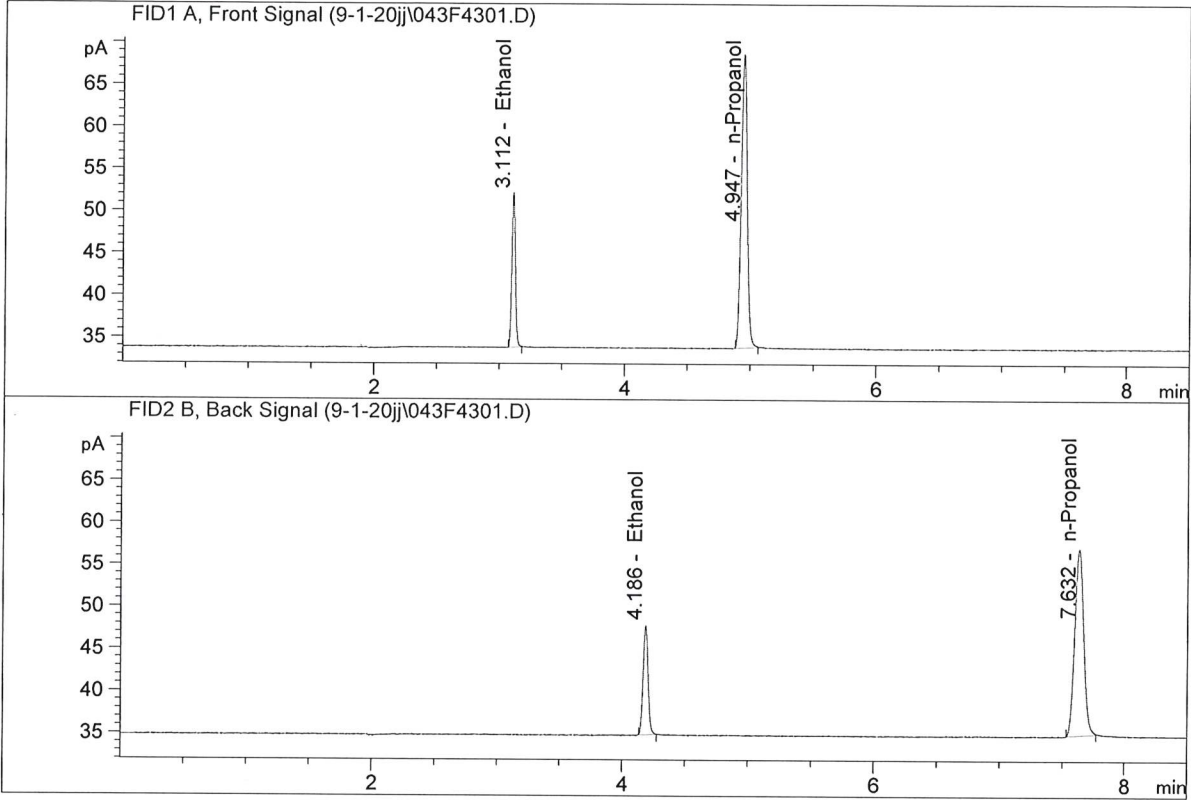


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.76433	0.1007	g/100cc
2.	Ethanol	Column 2:	17.61590	0.0998	g/100cc
3.	n-Propanol	Column 1:	114.36282	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.26951	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 2, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

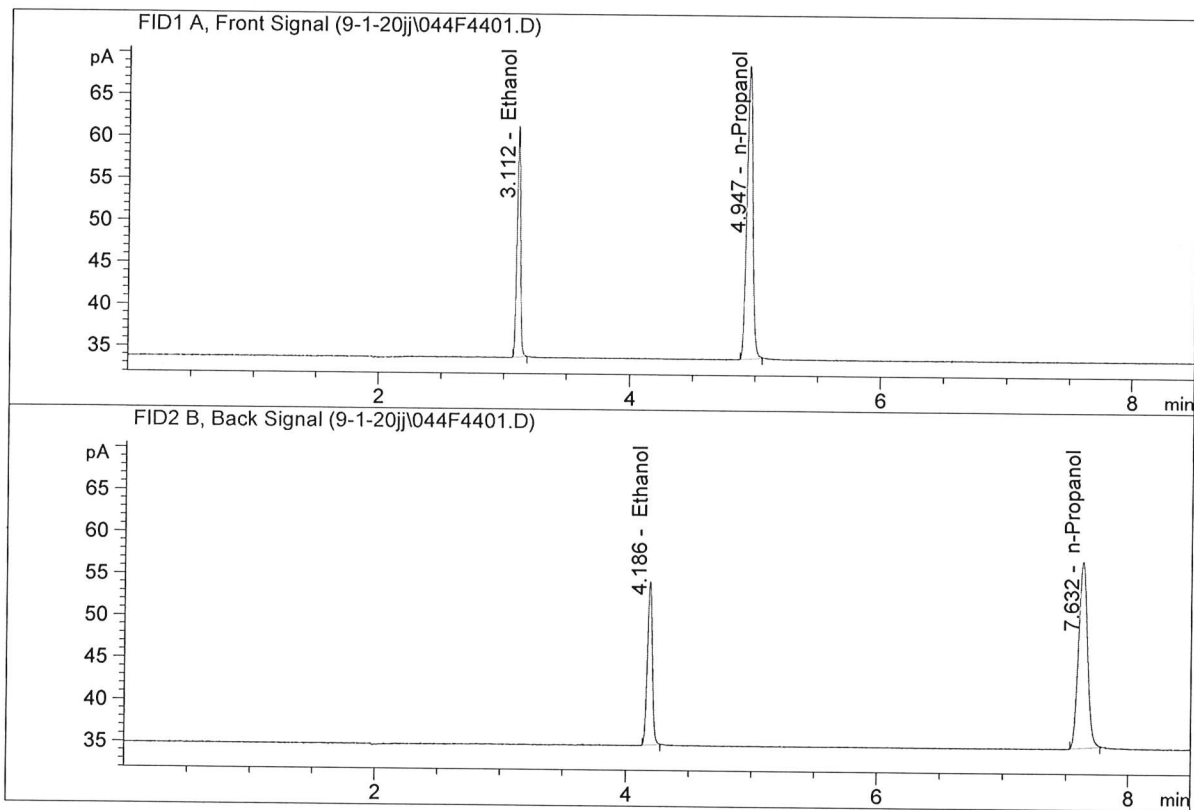


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.92023	0.2042	g/100cc
2.	Ethanol	Column 2:	35.89148	0.2047	g/100cc
3.	n-Propanol	Column 1:	113.98925	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.46850	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 2, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

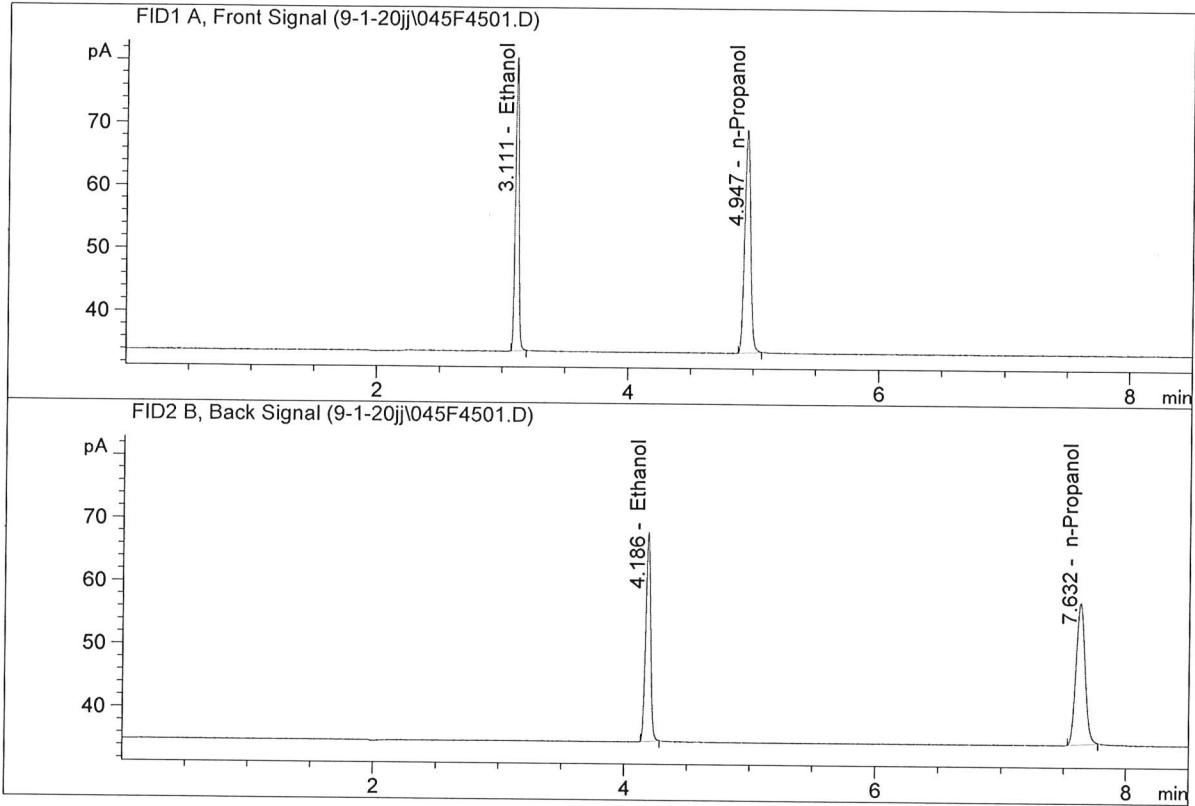


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.64122	0.3046	g/100cc
2.	Ethanol	Column 2:	53.64496	0.3055	g/100cc
3.	n-Propanol	Column 1:	114.12109	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.66035	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Sep 2, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.94927	0.5082	g/100cc
2.	Ethanol	Column 2:	90.94122	0.5114	g/100cc
3.	n-Propanol	Column 1:	115.95896	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.06269	1.0000	g/100cc

99