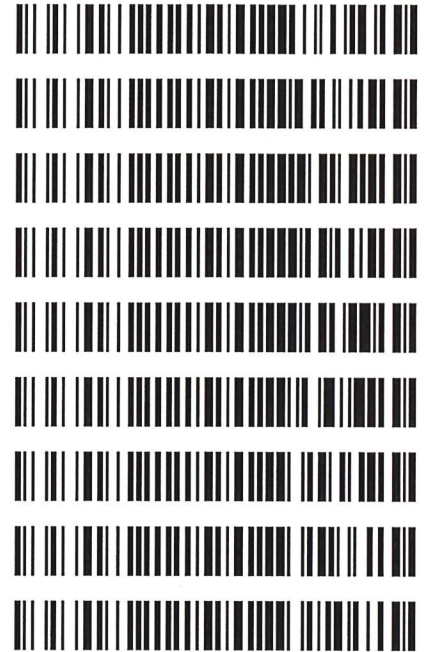


**Worklist: 4119**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-0439	1	BCK	Alcohol Analysis
C2020-0474	1	BCK	Alcohol Analysis
C2020-0492	1	BCK	Alcohol Analysis
C2020-0513	1	BCK	Alcohol Analysis
C2020-0515	1	BCK	Alcohol Analysis
C2020-0553	1	BCK	Alcohol Analysis
C2020-0561	1	BCK	Alcohol Analysis
C2020-0562	1	BCK	Alcohol Analysis
C2020-0563	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): 3-29-20**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0769 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1978 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Sep-20	Lot #	FN06041502	OK
Curve Fit:		Column 1	0.99999	Column2	0.99999

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0516	0.0510	0.0006	0.0513
100	0.100	0.090 - 0.110	0.1023	0.1019	0.0004	0.1021
200	0.200	0.180 - 0.220	0.2009	0.2004	0.0005	0.2006
300	0.300	0.270 - 0.330	0.2985	0.2980	0.0005	0.2982
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4999	0.5006	0.0007	0.5002

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

**REVIEWED**  
By Rachel Cutler at 10:50 am, Mar 31, 2020

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_29.03.2020\_12.56.41\3-29-2020.S  
 Data directory path: C:\Chem32\1\Data\3-29-20jj  
 Logbook: C:\Chem32\1\Data\3-29-20jj\3-29-2020.LOG  
 Sequence start: 3/29/2020 1:10:27 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	water-1	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-1(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-1(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09181807-	-	1.0000	007F0701.D		4
8	8	1	C2020-0439-1-A	-	1.0000	008F0801.D		4
9	9	1	C2020-0439-1-B	-	1.0000	009F0901.D		4
10	10	1	C2020-0474-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-0474-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-0492-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-0492-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-0513-1-A	-	1.0000	014F1401.D		4
15	15	1	C2020-0513-1-B	-	1.0000	015F1501.D		4
16	16	1	C2020-0515-1-A	-	1.0000	016F1601.D		4
17	17	1	C2020-0515-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-0553-1-A	-	1.0000	018F1801.D		2
19	19	1	C2020-0553-1-B	-	1.0000	019F1901.D		2
20	20	1	C2020-0561-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-0561-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-0562-1-A	-	1.0000	022F2201.D		6
23	23	1	C2020-0562-1-B	-	1.0000	023F2301.D		6
24	24	1	C2020-0563-1-A	-	1.0000	024F2401.D		4
25	25	1	C2020-0563-1-B	-	1.0000	025F2501.D		4
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	ISTD BLANK-2	-	1.0000	028F2801.D		2
29	29	1	water-2	-	1.0000	029F2901.D		0
30	30	1	0.05 CHECK	-	1.0000	030F3001.D		4
31	31	1	0.100 CHECK	-	1.0000	031F3101.D		4
32	32	1	0.200 CHECK	-	1.0000	032F3201.D		4
33	33	1	0.300 CHECK	-	1.0000	033F3301.D		4
34	34	1	0.500 CHECK	-	1.0000	034F3401.D		4

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

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

Calib. Data Modified : Sunday, March 29, 2020 12:42:27 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  
-----

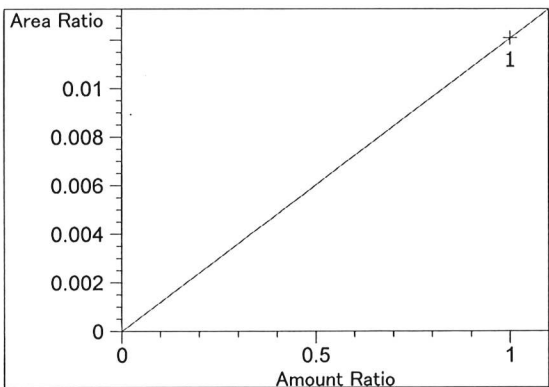
-----  
Overview Table  
-----

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
3.108	1	1	5.00000e-2	9.16906	5.45312e-3	No	No 1	Ethanol
		2	1.00000e-1	18.18116	5.50020e-3			
		3	2.00000e-1	37.27114	5.36608e-3			
		4	3.00000e-1	55.22546	5.43228e-3			
		5	5.00000e-1	91.66923	5.45439e-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
4.179	2	1	5.00000e-2	9.15221	5.46316e-3	No	No 2	Ethanol
		2	1.00000e-1	18.29614	5.46563e-3			
		3	2.00000e-1	37.53439	5.32845e-3			
		4	3.00000e-1	55.73003	5.38309e-3			
		5	5.00000e-1	92.44417	5.40867e-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
4.941	1	1	1.00000	89.31126	1.11968e-2	No	Yes 1	n-Propanol
		2	1.00000	89.36076	1.11906e-2			
		3	1.00000	93.28240	1.07201e-2			
		4	1.00000	93.02847	1.07494e-2			
		5	1.00000	92.20192	1.08458e-2			
7.619	2	1	1.00000	88.35625	1.13178e-2	No	Yes 2	n-Propanol
		2	1.00000	88.36952	1.13161e-2			
		3	1.00000	92.19834	1.08462e-2			
		4	1.00000	92.04875	1.08638e-2			
		5	1.00000	90.89801	1.10013e-2			

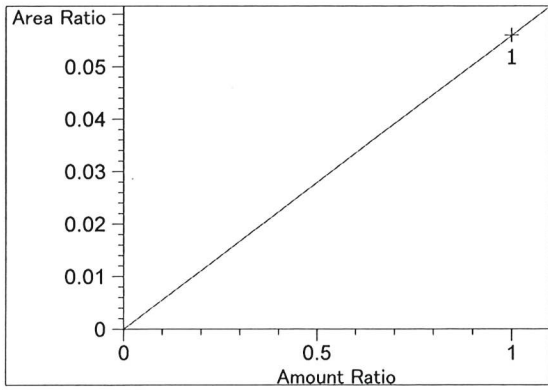
Peak Sum Table

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

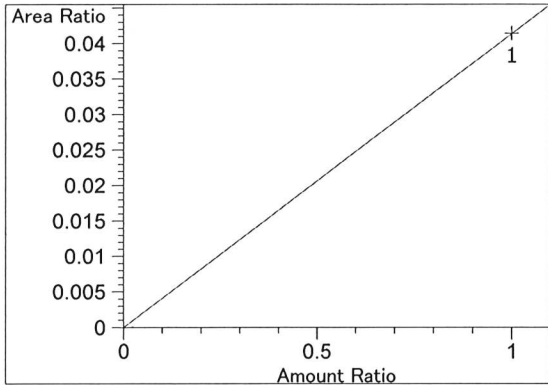
Calibration Curves



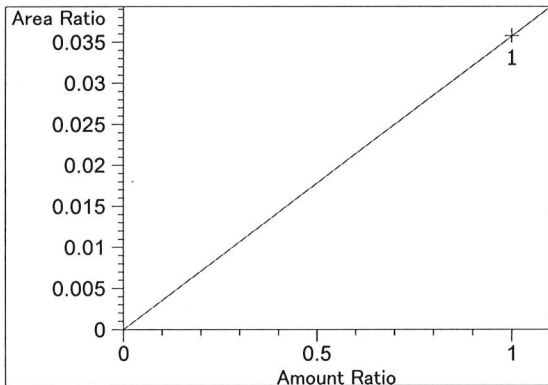
Difluoroethane at exp. RT: 1.977  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.20868e-2  
 x: Amount Ratio  
 y: Area Ratio



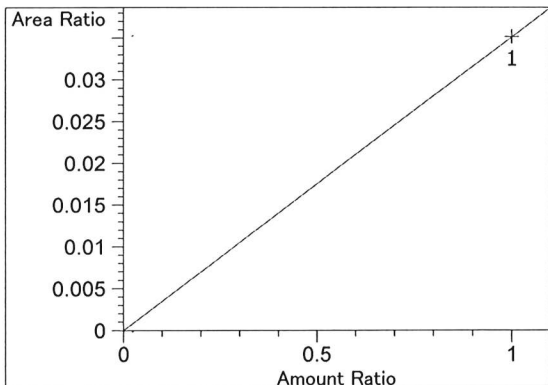
Difluoroethane at exp. RT: 2.000  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 5.59840e-2  
 x: Amount Ratio  
 y: Area Ratio



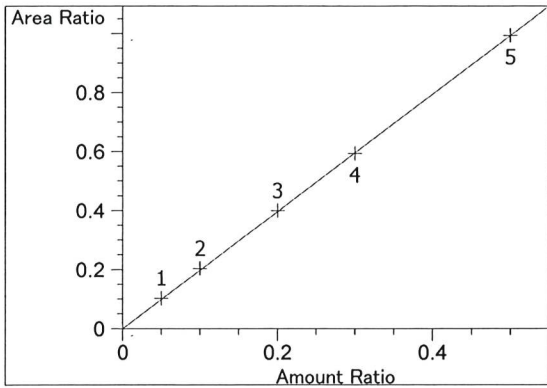
Methanol at exp. RT: 2.494  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 4.13911e-2  
 x: Amount Ratio  
 y: Area Ratio



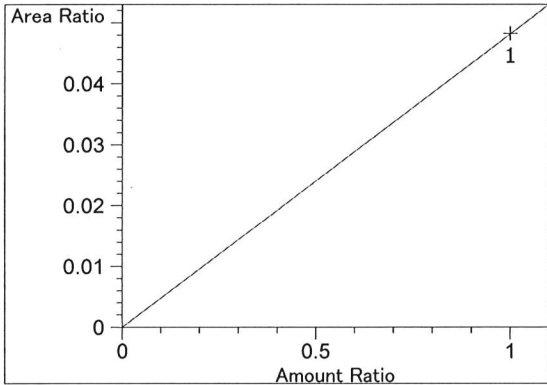
Acetaldehyde at exp. RT: 2.772  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 3.57526e-2  
 x: Amount Ratio  
 y: Area Ratio



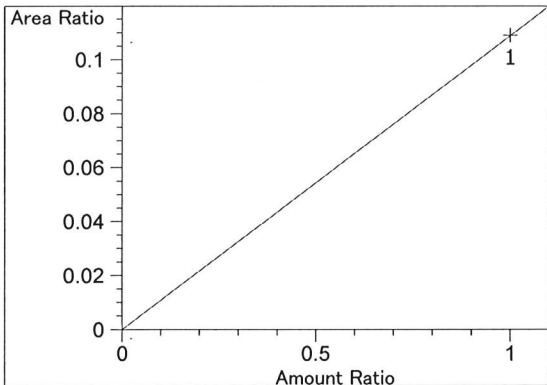
Acetaldehyde at exp. RT: 2.797  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 3.51503e-2  
 x: Amount Ratio  
 y: Area Ratio



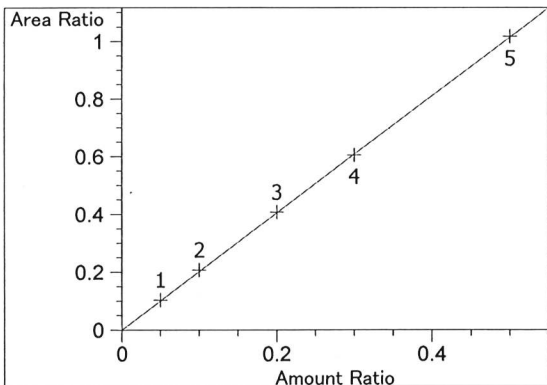
Ethanol at exp. RT: 3.108  
 FID1 A, Front Signal  
 Correlation: 0.99999 ✓  
 Residual Std. Dev.: 0.00330  
 Formula:  $y = mx$   
 m: 1.98877  
 x: Amount Ratio  
 y: Area Ratio



Methanol at exp. RT: 3.211  
 FID2 B, Back Signal  
 Correlation: 1.00000 ✓  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 4.82210e-2  
 x: Amount Ratio  
 y: Area Ratio

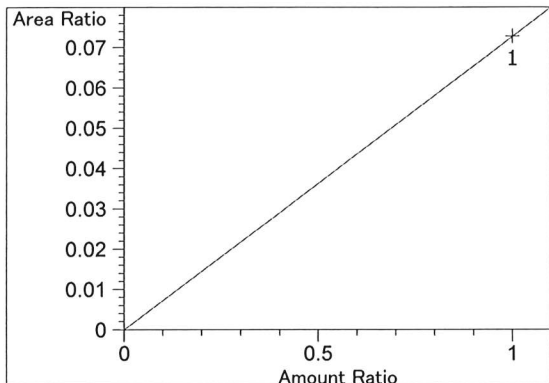


Isopropyl alcohol at exp. RT: 3.715  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 1.08951e-1  
 x: Amount Ratio  
 y: Area Ratio

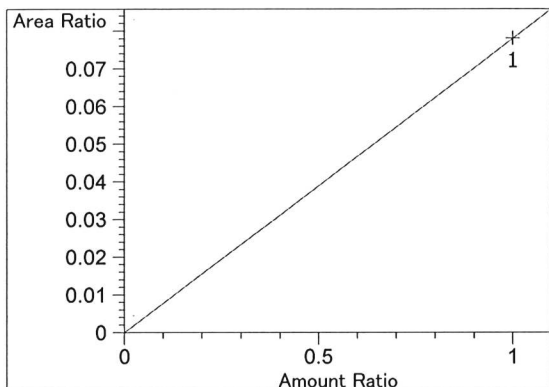


Ethanol at exp. RT: 4.179  
 FID2 B, Back Signal  
 Correlation: 0.99999 ✓  
 Residual Std. Dev.: 0.00306  
 Formula:  $y = mx$   
 m: 2.03170  
 x: Amount Ratio  
 y: Area Ratio

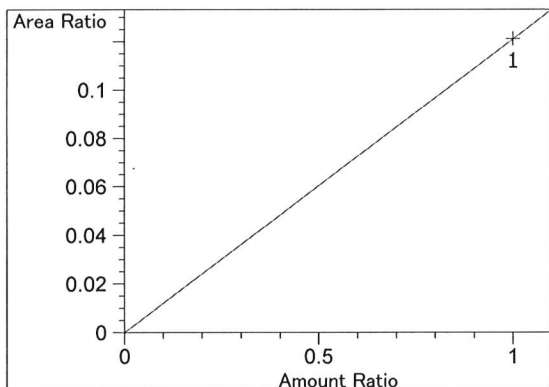
99



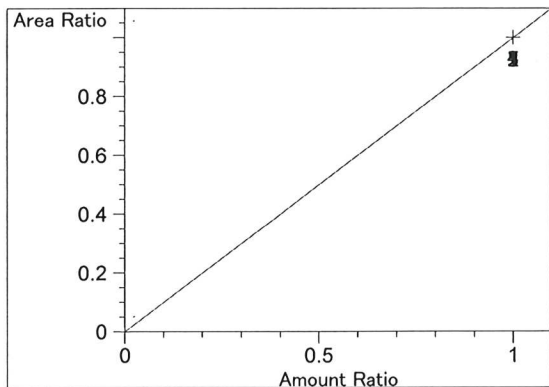
Acetone at exp. RT: 4.530  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 7.27725e-2  
x: Amount Ratio  
y: Area Ratio



Acetone at exp. RT: 4.549  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 7.80138e-2  
x: Amount Ratio  
y: Area Ratio

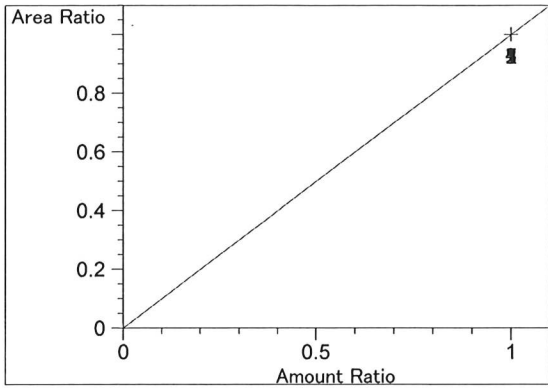


Isopropyl alcohol at exp. RT: 4.870  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.21173e-1  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 4.941  
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: 7.619  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00000  
x: Amount Ratio  
y: Area Ratio

=====

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

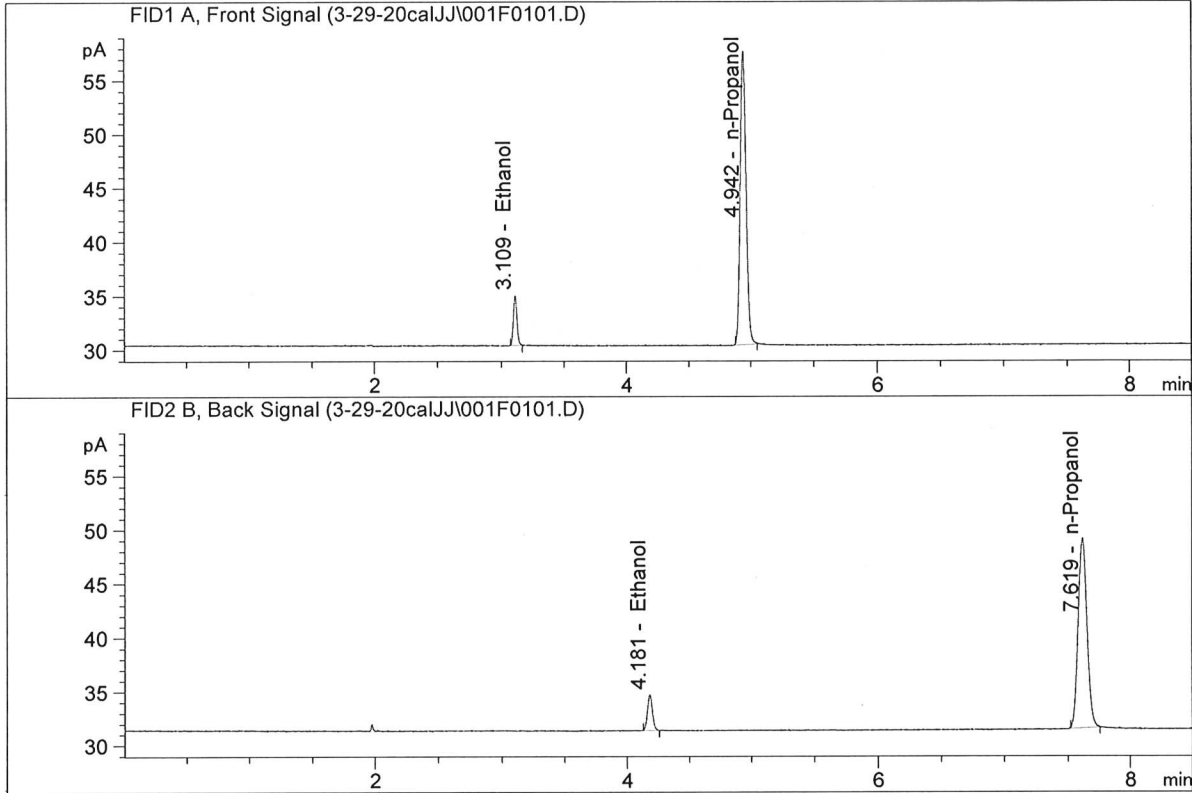
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_29.03.2020\_11.23.37\3-29-19cal.S  
 Data directory path: C:\Chem32\1\Data\3-29-19calJJ  
 Logbook: C:\Chem32\1\Data\3-29-19calJJ\3-29-19cal.LOG  
 Sequence start: 3/29/2020 11:37:24 AM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

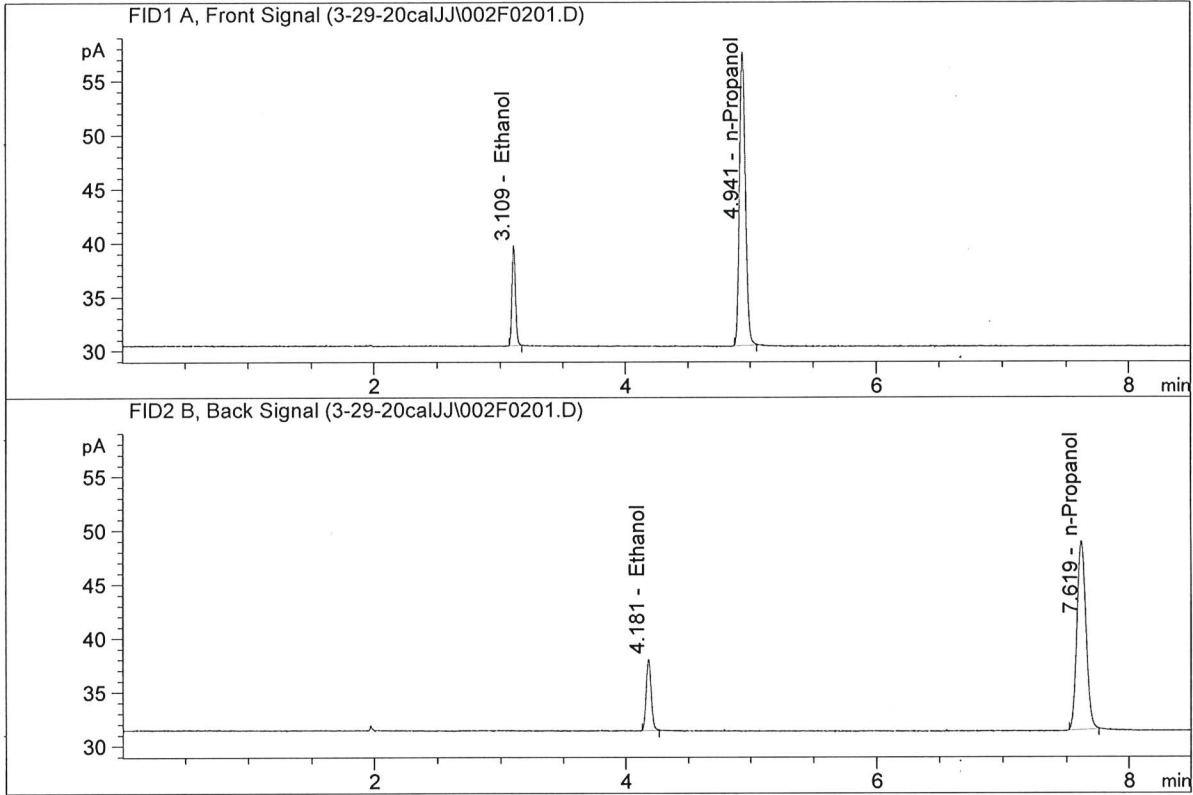


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.16906	0.0516	g/100cc
2.	Ethanol	Column 2:	9.15221	0.0510	g/100cc
3.	n-Propanol	Column 1:	89.31126	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.35625	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

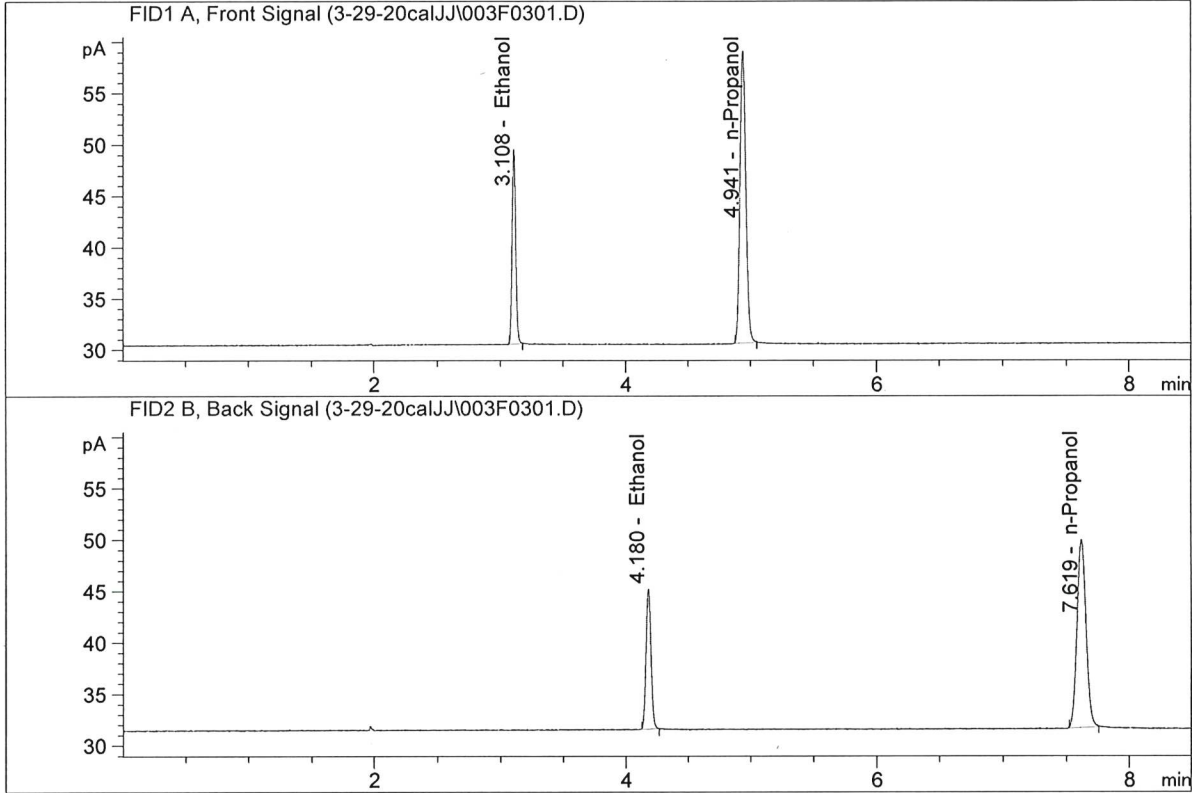


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.18116	0.1023	g/100cc
2.	Ethanol	Column 2:	18.29614	0.1019	g/100cc
3.	n-Propanol	Column 1:	89.36076	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.36952	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

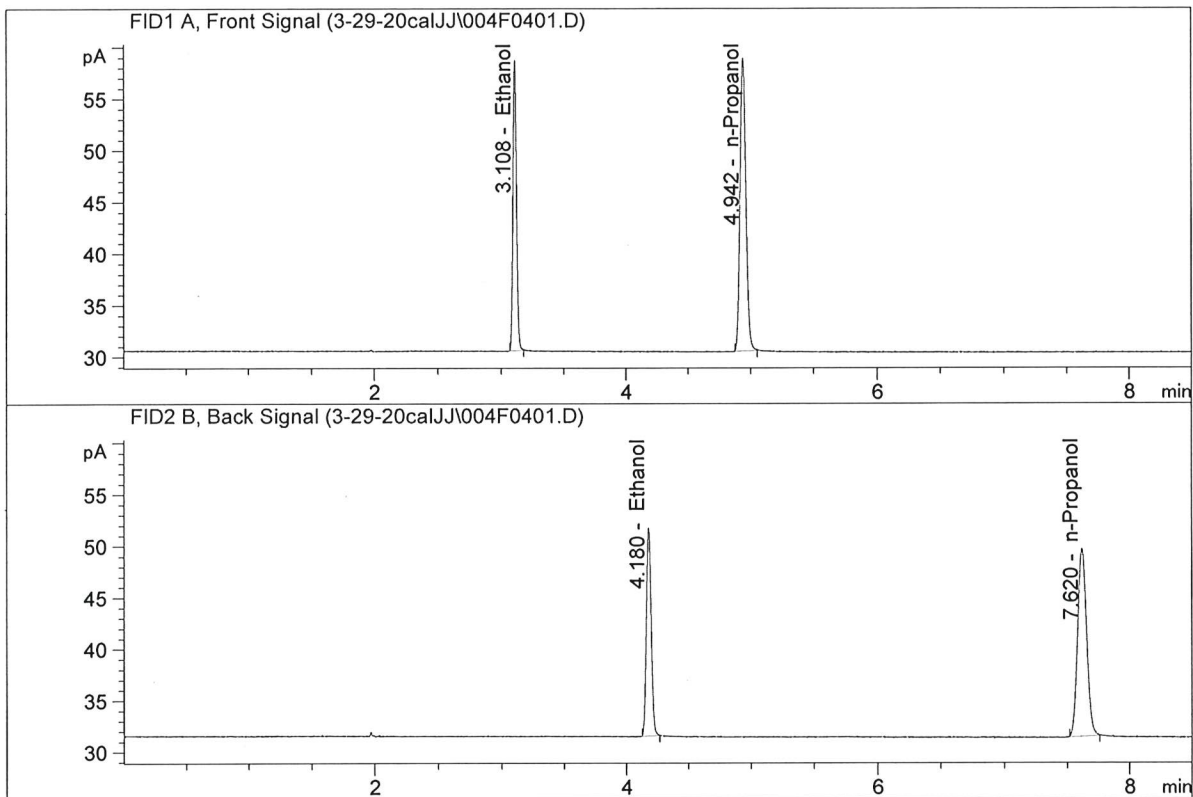


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.27114	0.2009	g/100cc
2.	Ethanol	Column 2:	37.53439	0.2004	g/100cc
3.	n-Propanol	Column 1:	93.28240	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.19834	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

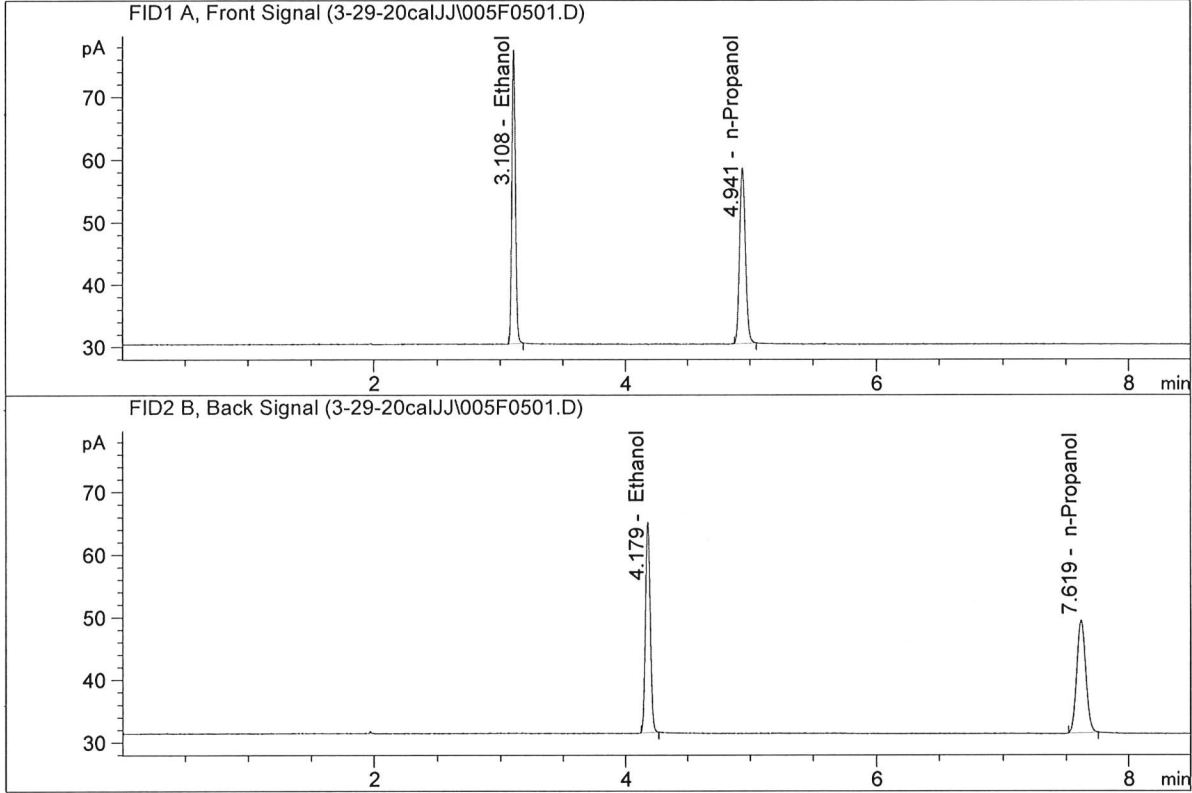


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.22546	0.2985	g/100cc
2.	Ethanol	Column 2:	55.73003	0.2980	g/100cc
3.	n-Propanol	Column 1:	93.02847	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.04875	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

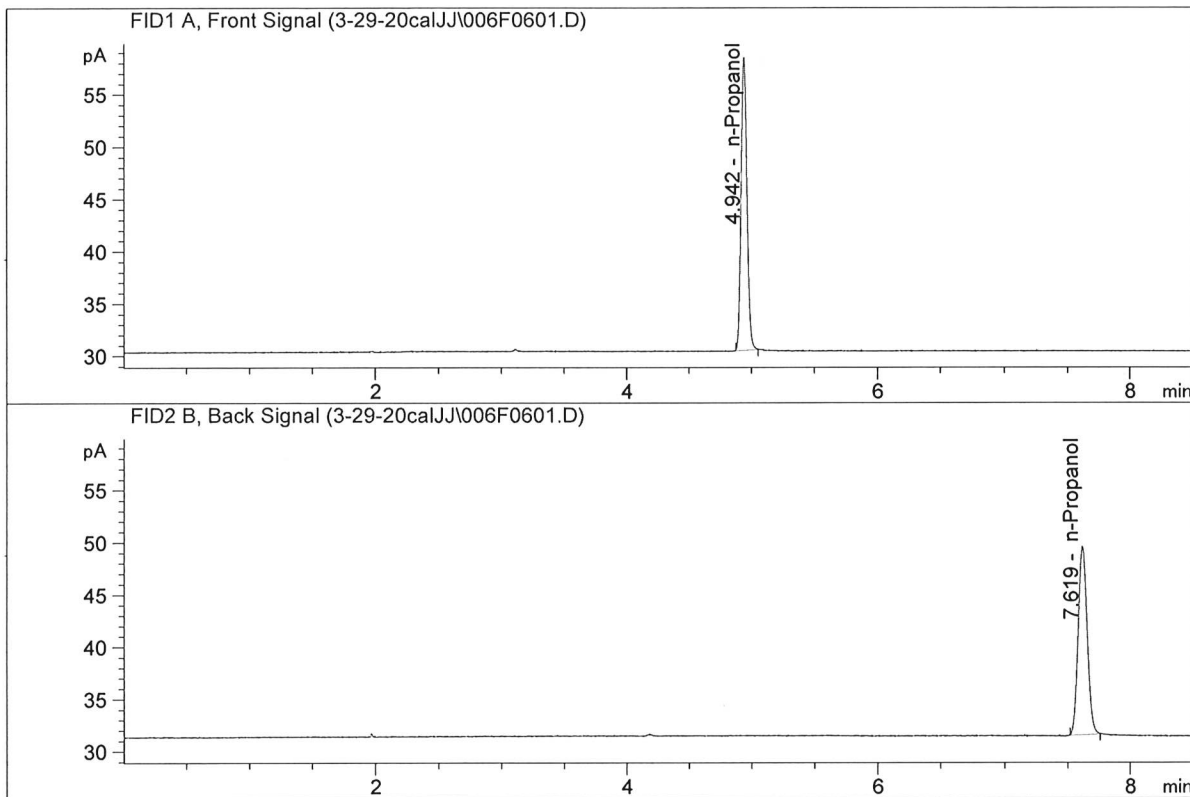


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	91.66923	0.4999	g/100cc
2.	Ethanol	Column 2:	92.44417	0.5006	g/100cc
3.	n-Propanol	Column 1:	92.20192	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.89801	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : blank  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



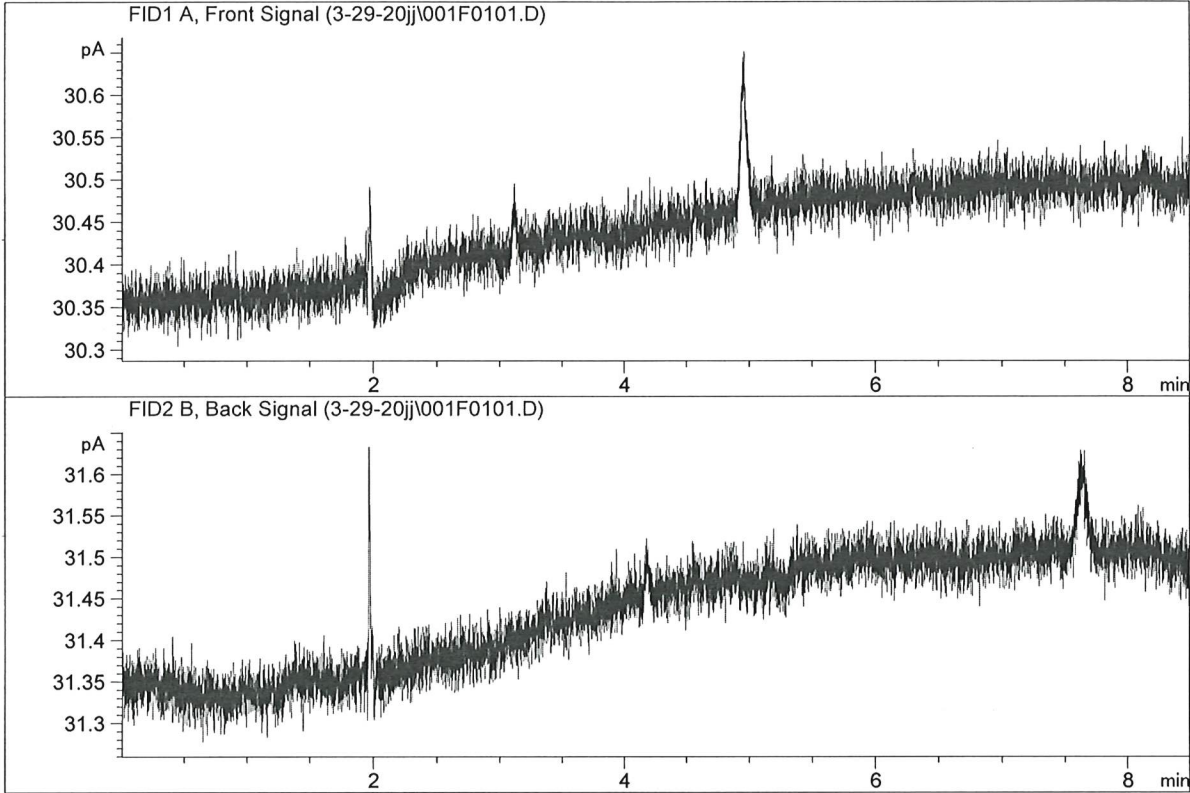
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	91.80823	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.92638	1.0000	g/100cc

99



ISP Forensic Services Blood Alcohol Report

Sample Name : water-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

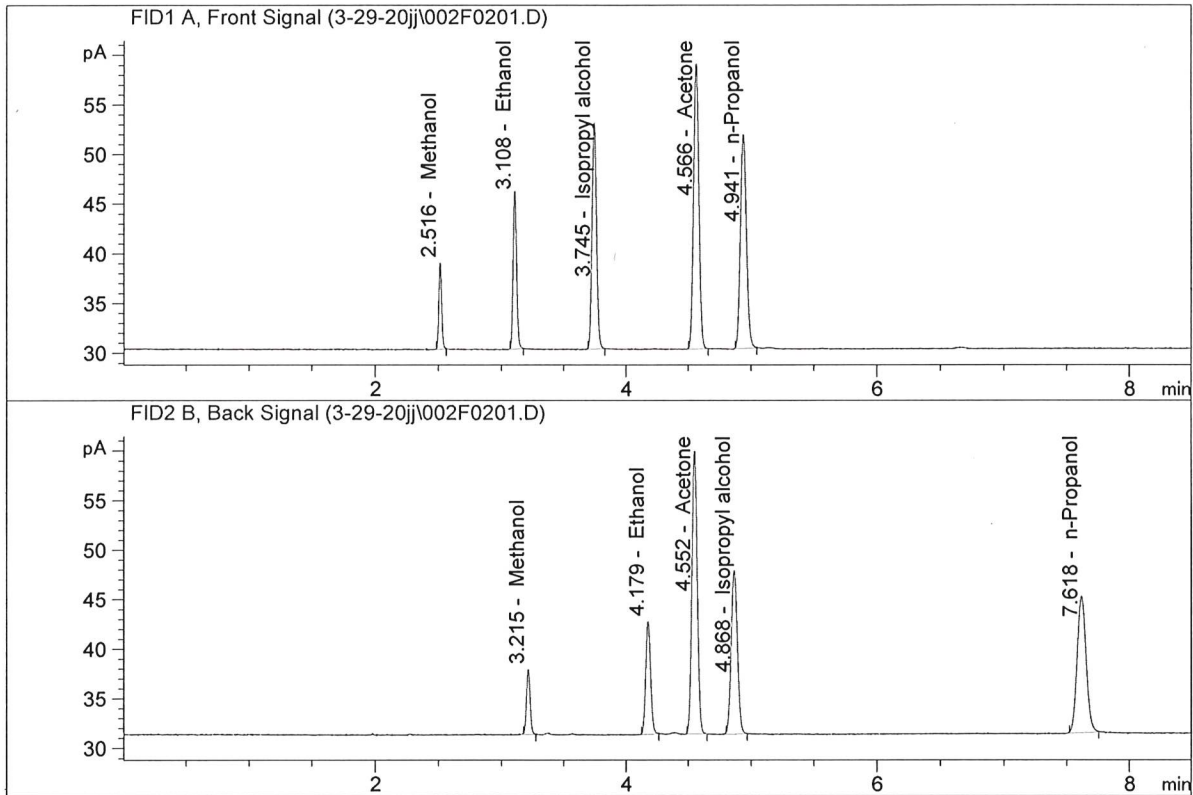


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

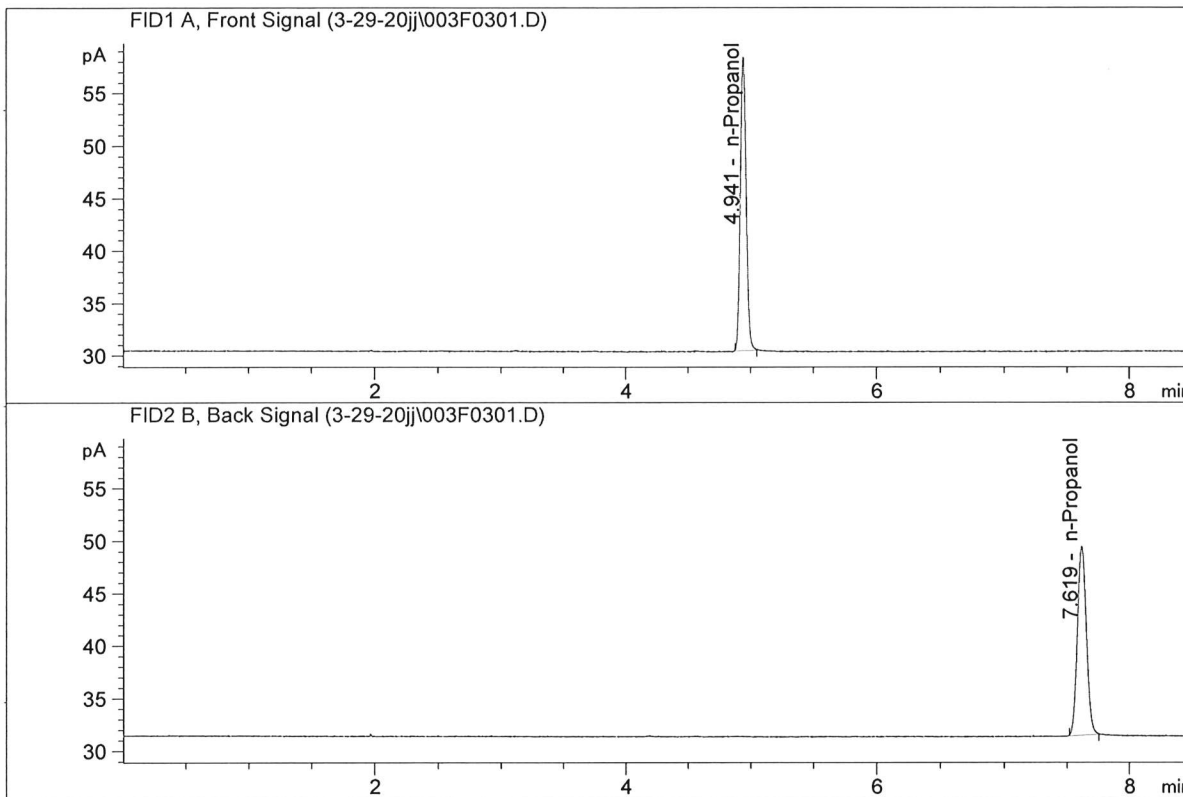


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	31.11108	0.2218	g/100cc
2.	Ethanol	Column 2:	31.34636	0.2217	g/100cc
3.	n-Propanol	Column 1:	70.54156	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.58324	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 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:	91.51514	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.61381	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1(1)

Analysis Date(s): 29 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0764	0.0763	0.0001	0.0763	0.0012	0.0769
(g/100cc)	0.0776	0.0774	0.0002	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
0.076	0.072	0.080	0.004

Reported Result	
0.076	

*Calibration and control data are stored centrally.*

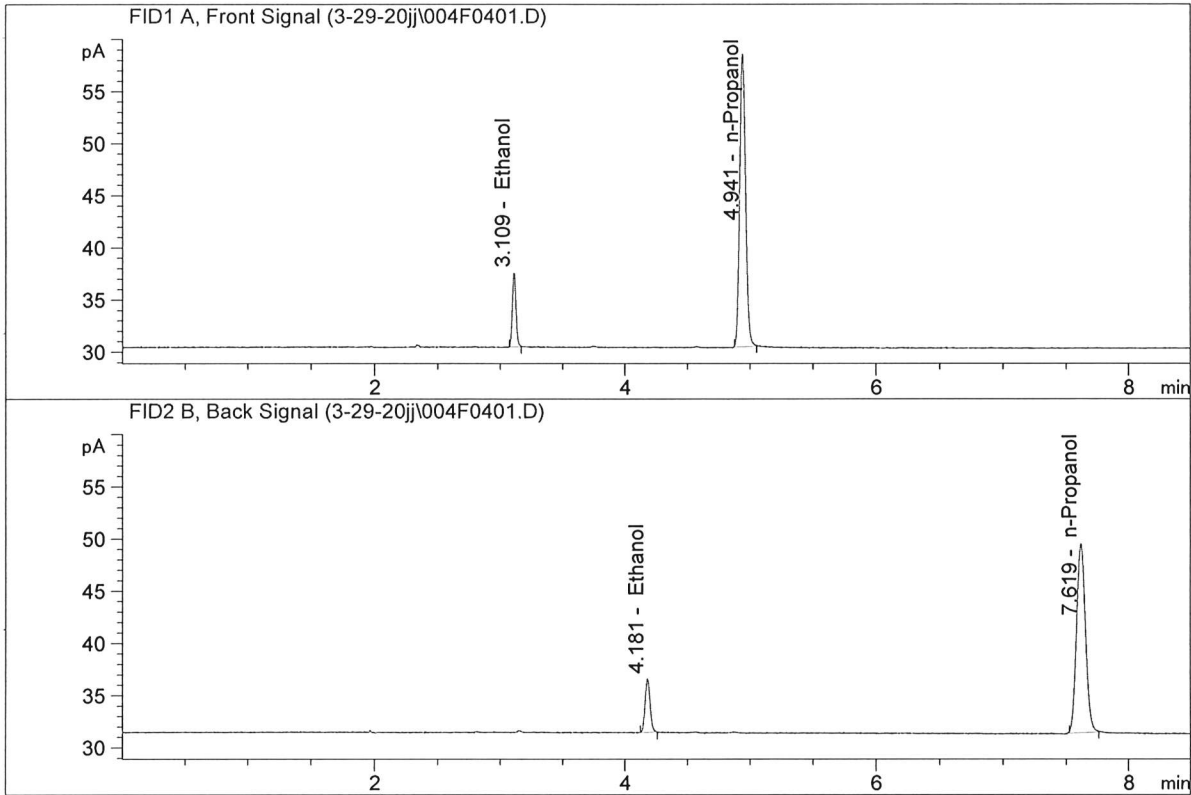
Revision: 2

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 : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

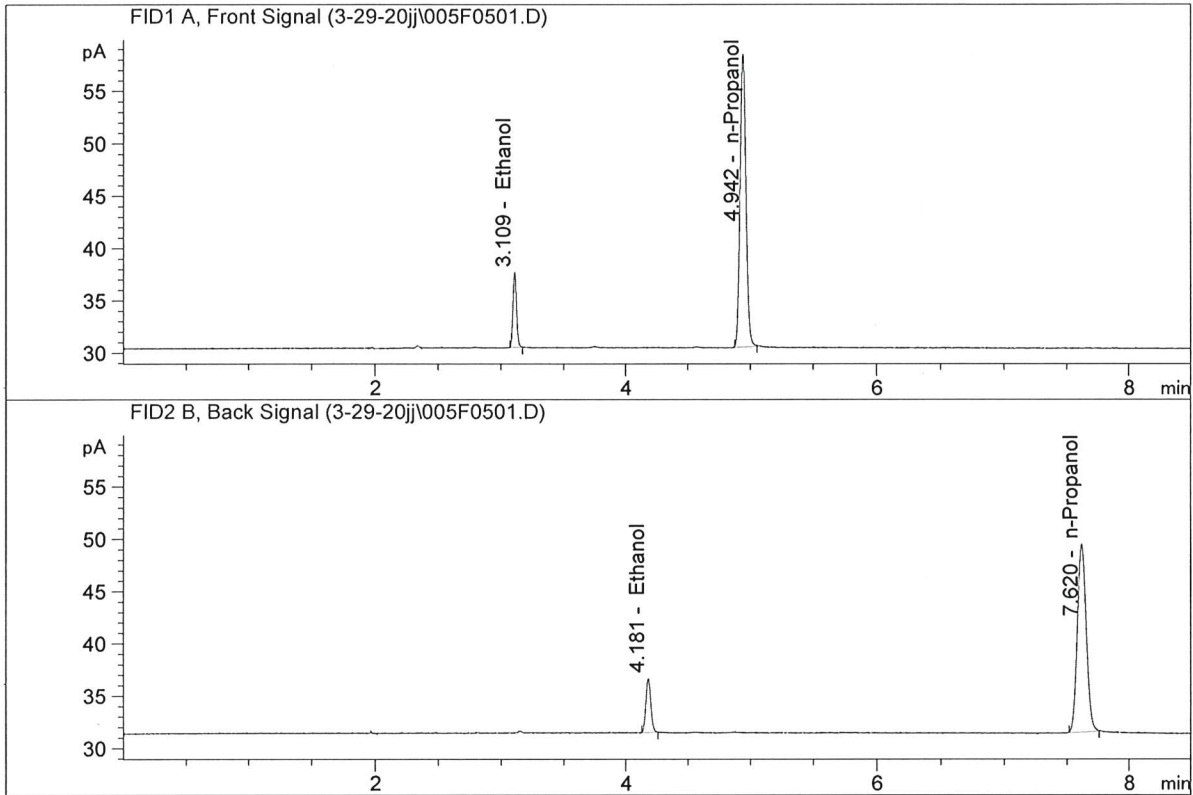


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.97117	0.0764	g/100cc
2.	Ethanol	Column 2:	14.12077	0.0763	g/100cc
3.	n-Propanol	Column 1:	91.93133	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.10414	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.15941	0.0776	g/100cc
2.	Ethanol	Column 2:	14.24332	0.0774	g/100cc
3.	n-Propanol	Column 1:	91.72632	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.52213	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 29 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0804	0.0001	0.0804	0.0002	0.0803
(g/100cc)	0.0803	0.0801	0.0002	0.0802		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

	Reported Result
	0.080

*Calibration and control data are stored centrally.*

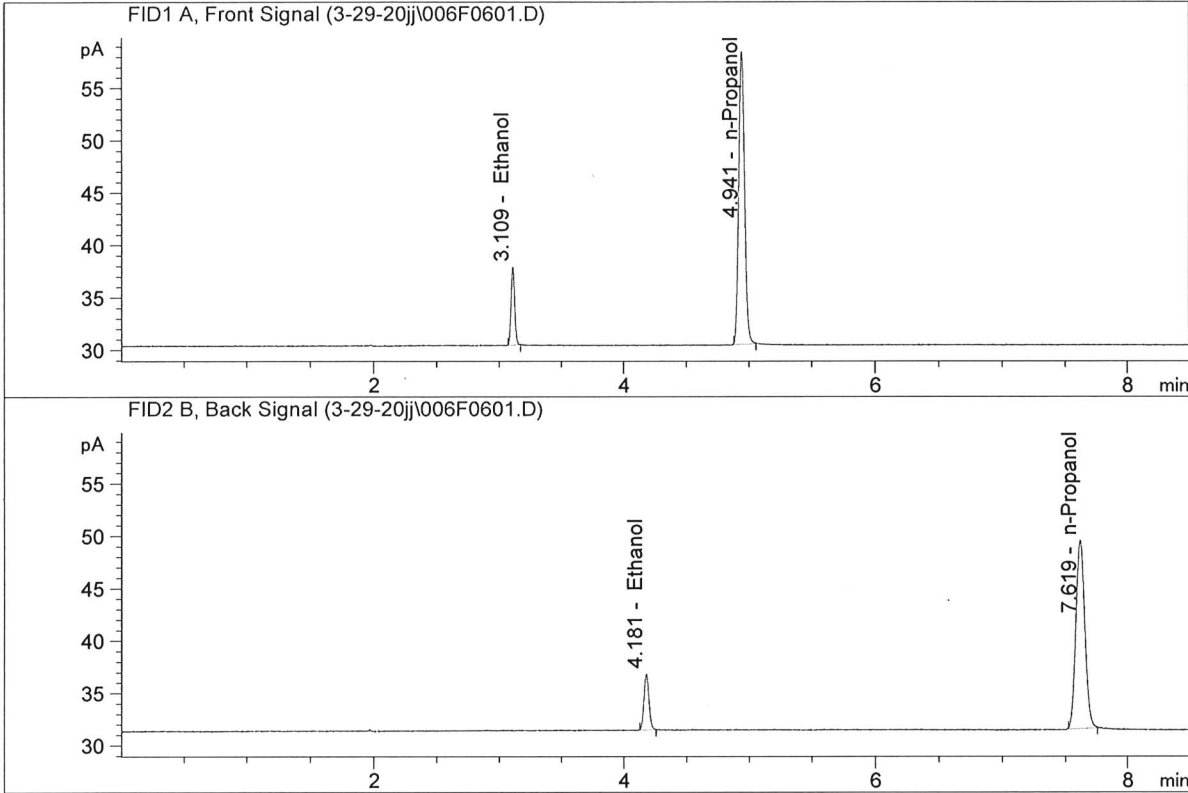
Revision: 2

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 : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



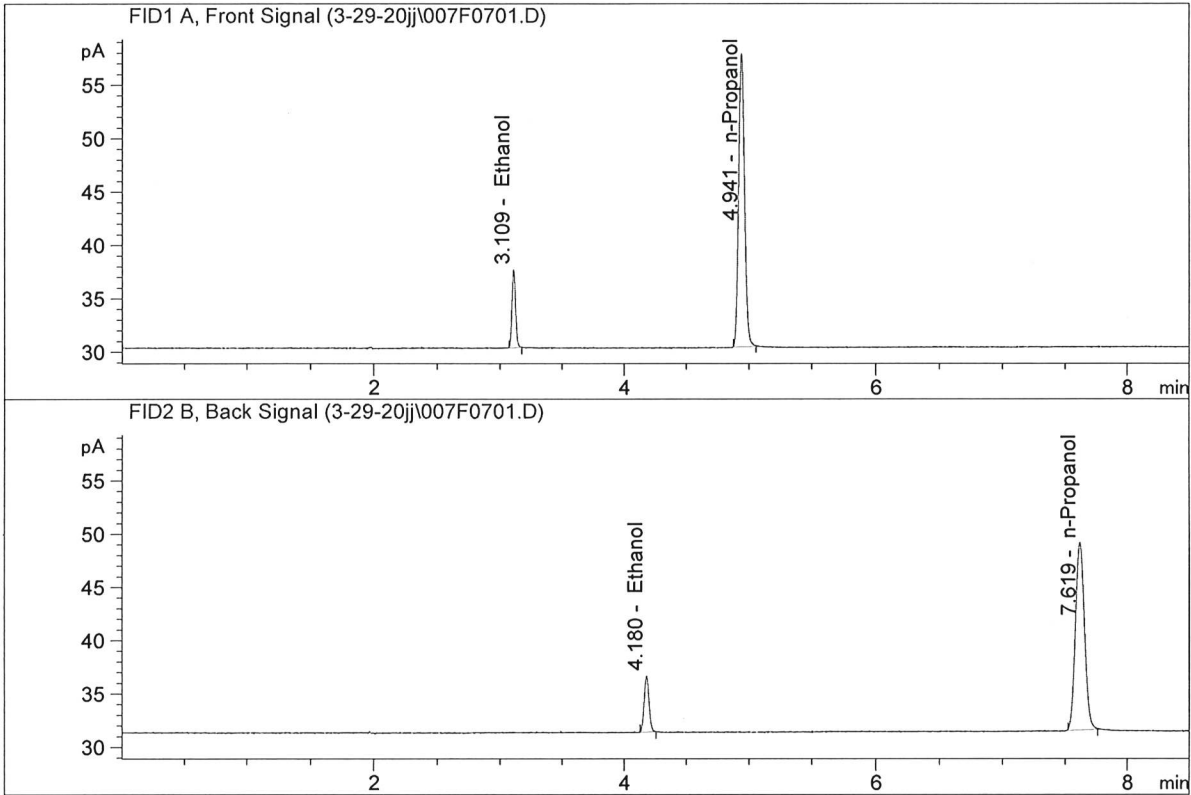
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.68775	0.0805	g/100cc
2.	Ethanol	Column 2:	14.77641	0.0804	g/100cc
3.	n-Propanol	Column 1:	91.75121	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.44763	1.0000	g/100cc

99



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.41908	0.0803	g/100cc
2.	Ethanol	Column 2:	14.51291	0.0801	g/100cc
3.	n-Propanol	Column 1:	90.24313	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.16887	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(1)

Analysis Date(s): 29 Mar 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1968	0.1973	0.0005	0.1970	0.0016	0.1978
(g/100cc)	0.1986	0.1987	0.0001	0.1986		

**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
0.197	0.187	0.207	0.010

Reported Result	
0.197	

*Calibration and control data are stored centrally.*

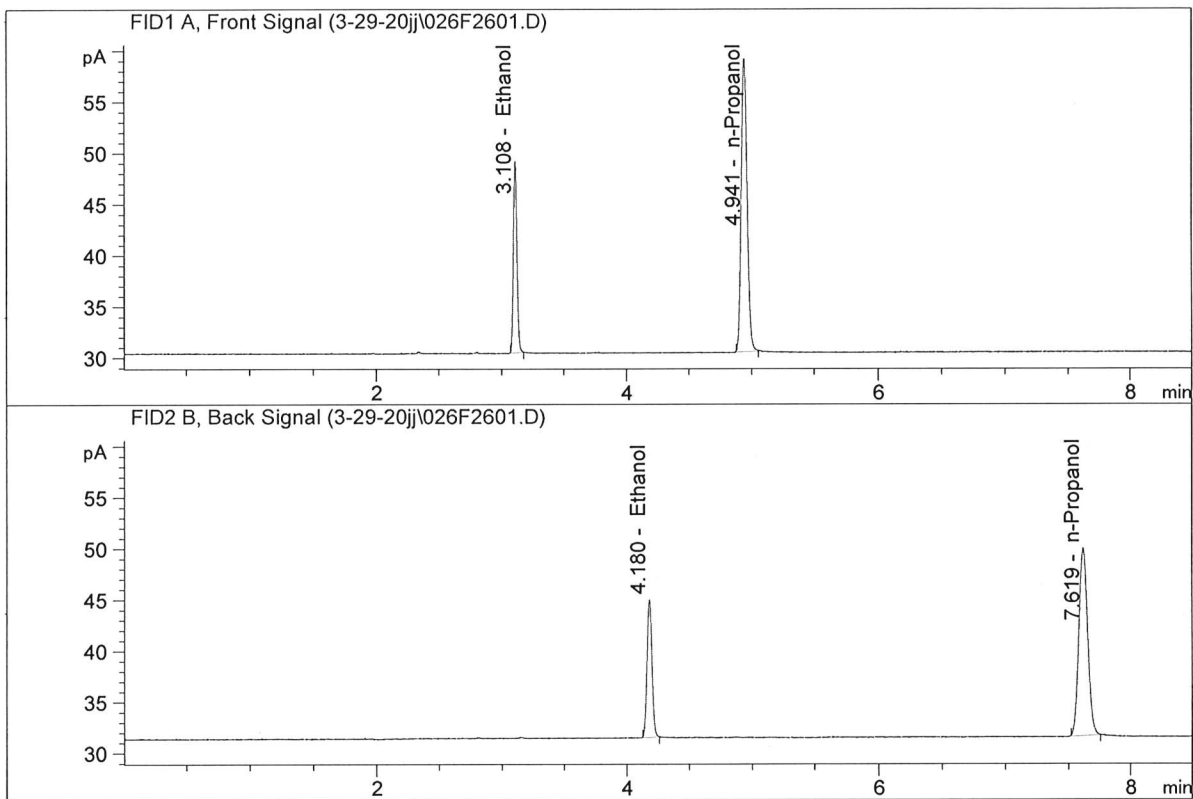
Revision: 2

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 : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

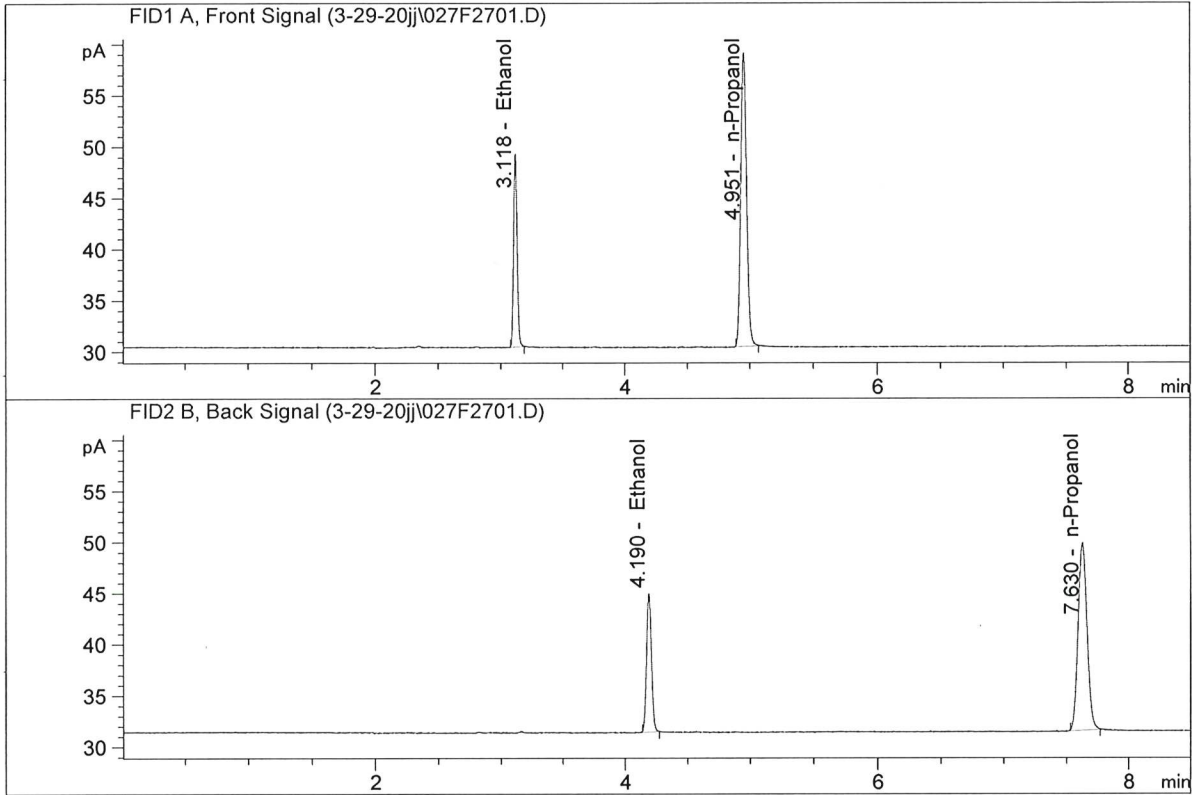


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.83368	0.1968	g/100cc
2.	Ethanol	Column 2:	37.05767	0.1973	g/100cc
3.	n-Propanol	Column 1:	94.11410	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.46783	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

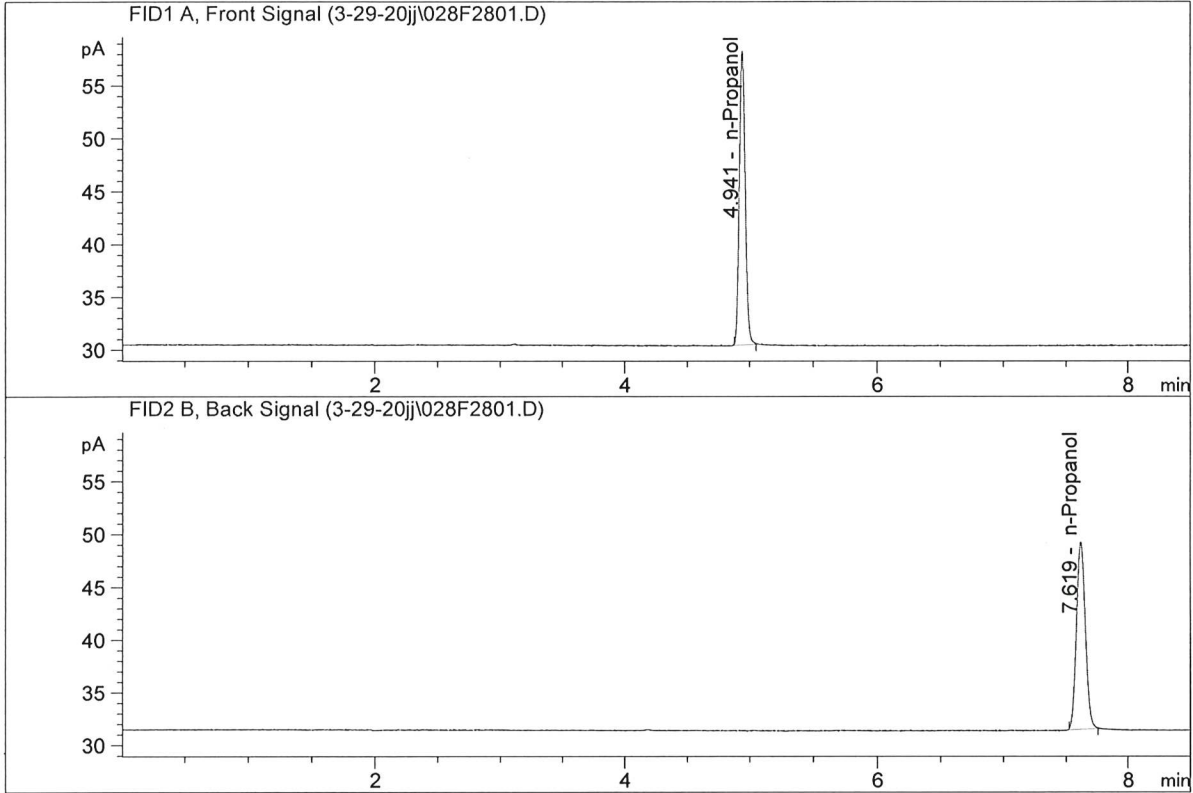


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.10622	0.1986	g/100cc
2.	Ethanol	Column 2:	37.27453	0.1987	g/100cc
3.	n-Propanol	Column 1:	93.93170	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.32240	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

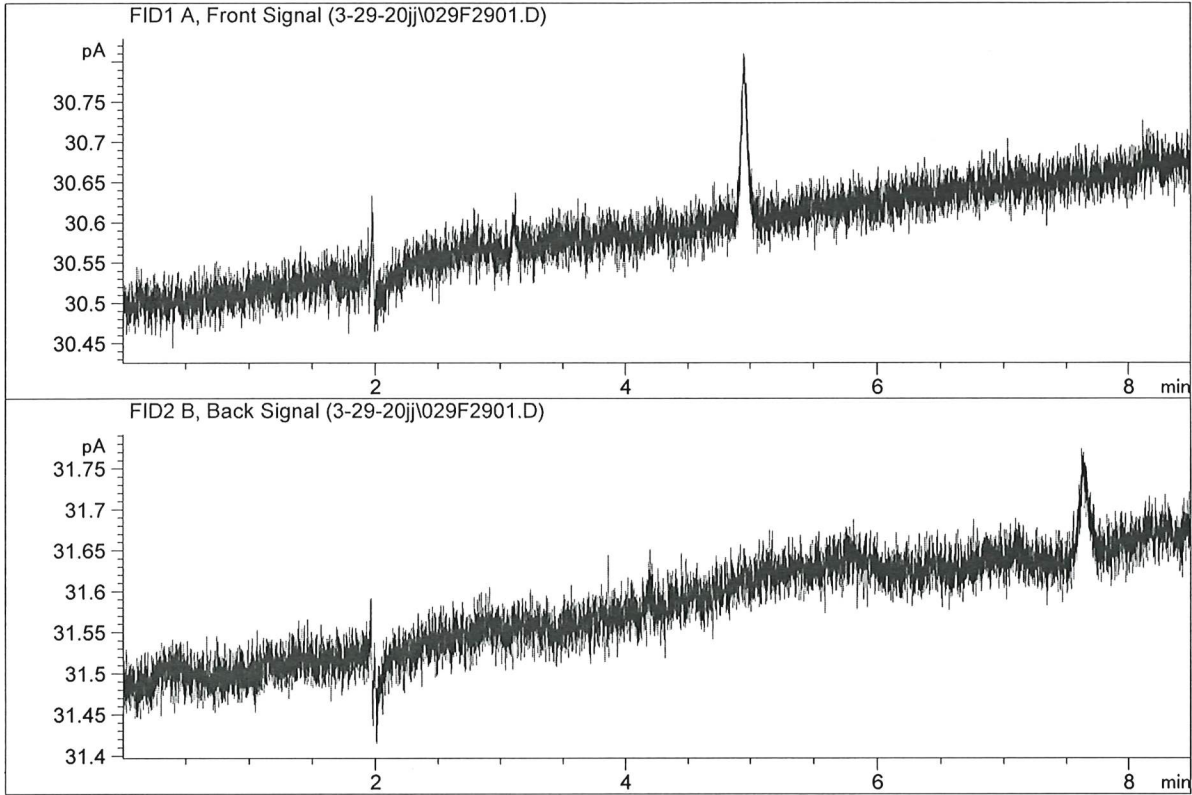


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	90.94616	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.53182	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

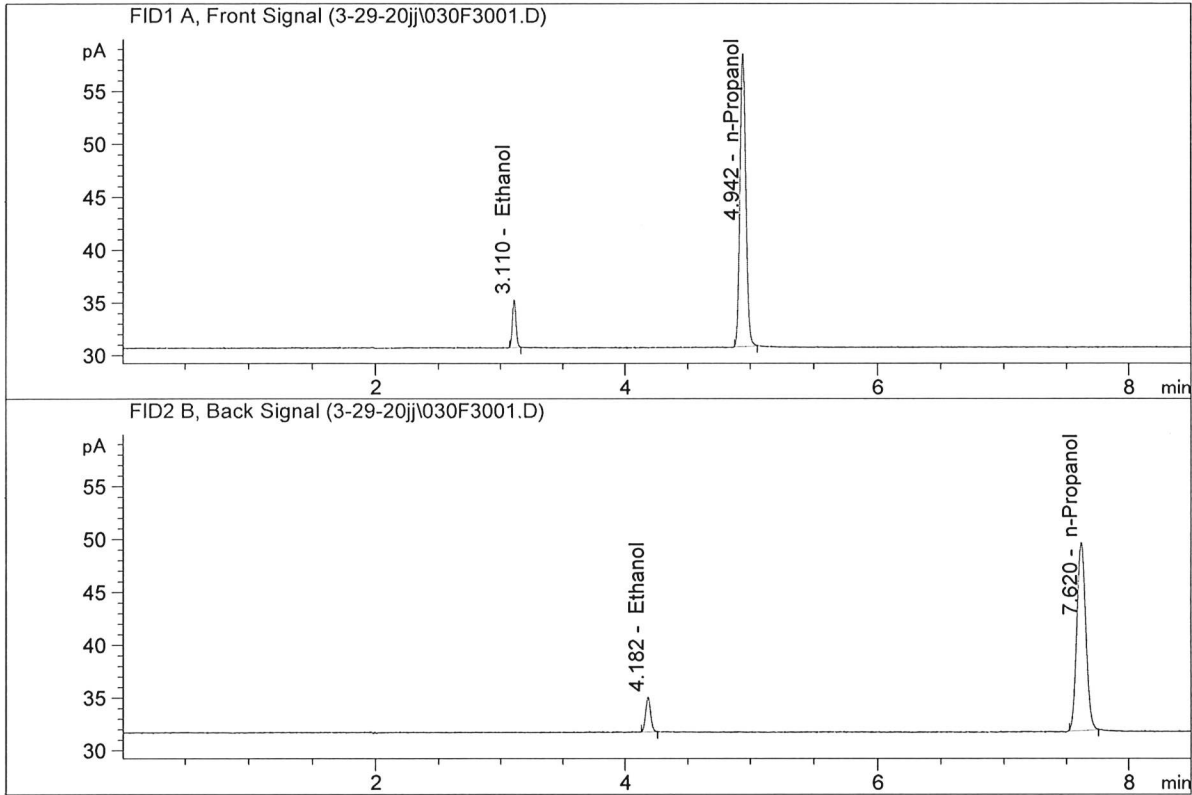


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

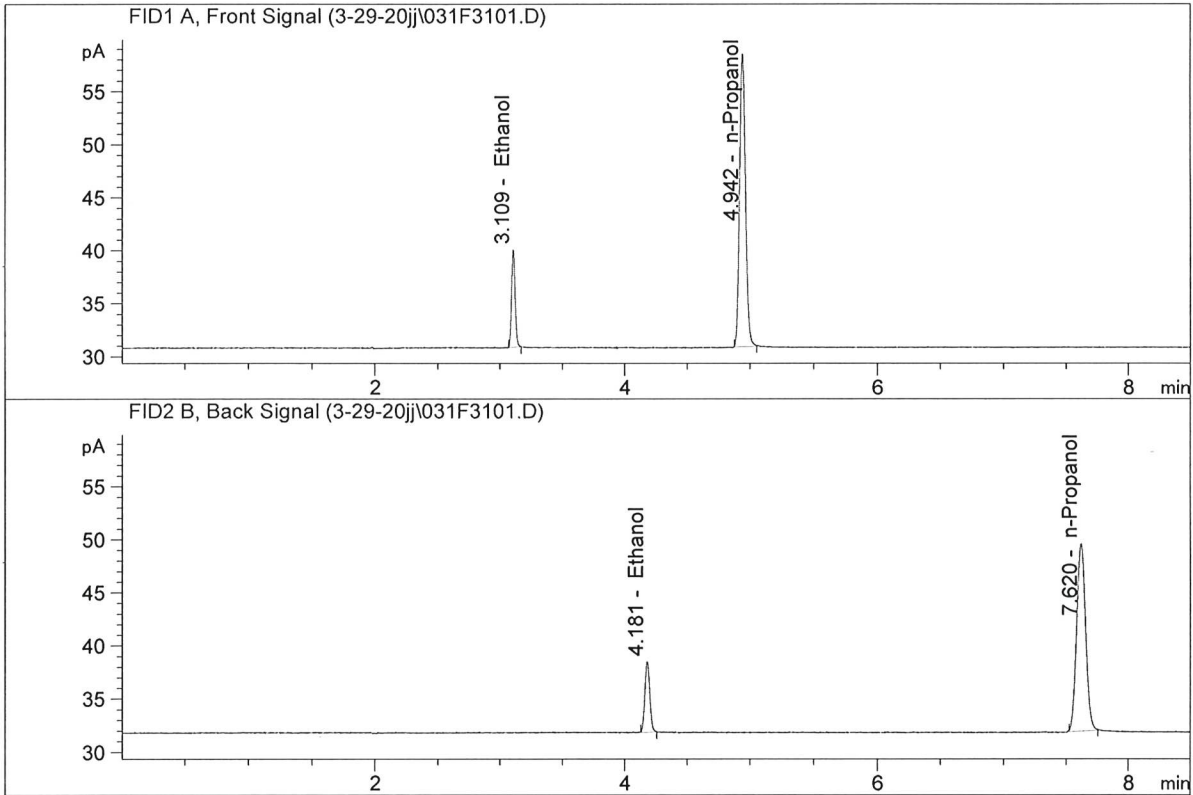


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.96035	0.0495	g/100cc
2.	Ethanol	Column 2:	9.06457	0.0499	g/100cc
3.	n-Propanol	Column 1:	90.94710	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.46540	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



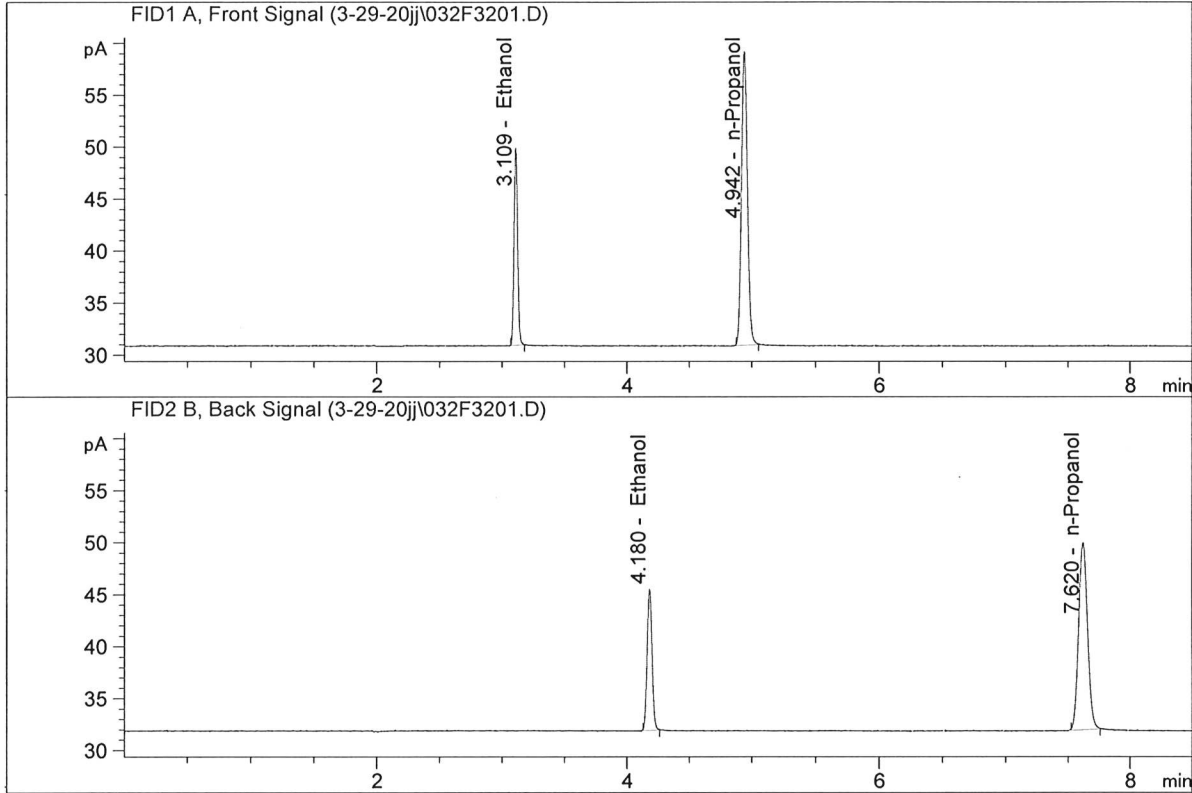
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.20937	0.1012	g/100cc
2.	Ethanol	Column 2:	18.33864	0.1015	g/100cc
3.	n-Propanol	Column 1:	90.46876	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.90525	1.0000	g/100cc

99



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

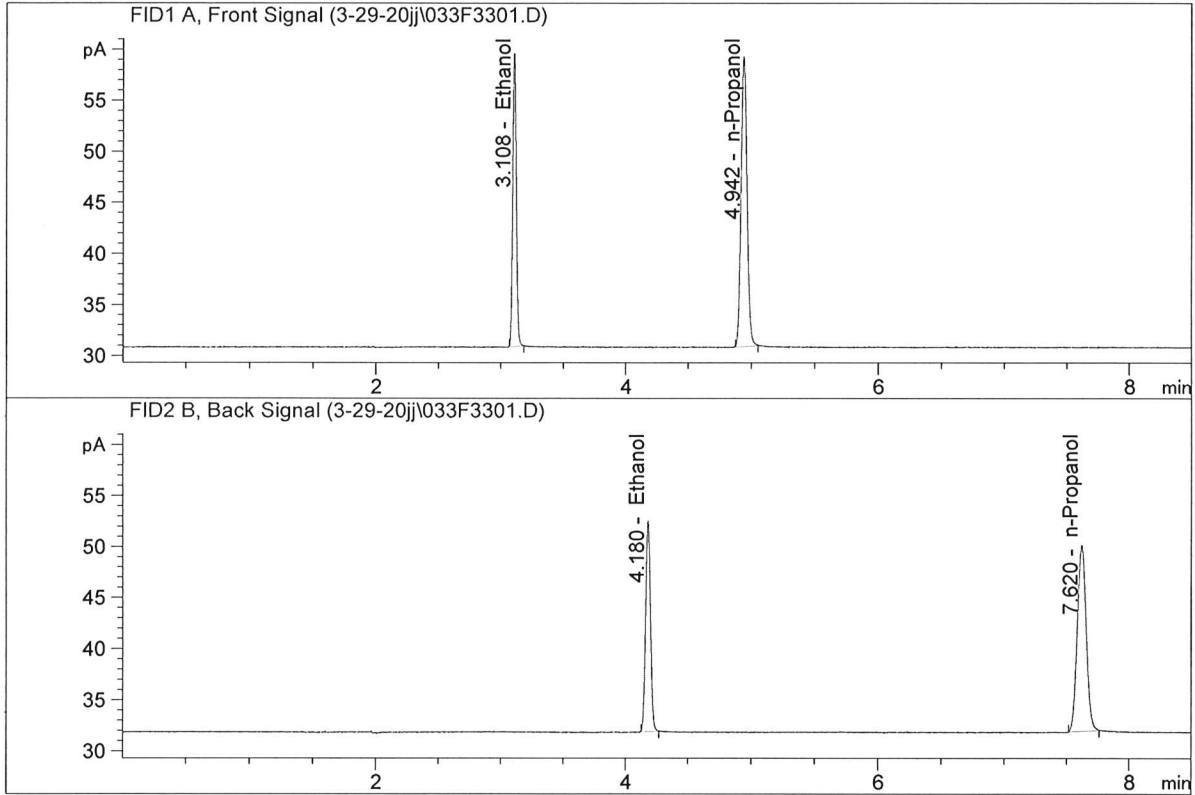


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.27393	0.2022	g/100cc
2.	Ethanol	Column 2:	37.38318	0.2023	g/100cc
3.	n-Propanol	Column 1:	92.68993	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.96646	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044 - IT00725005

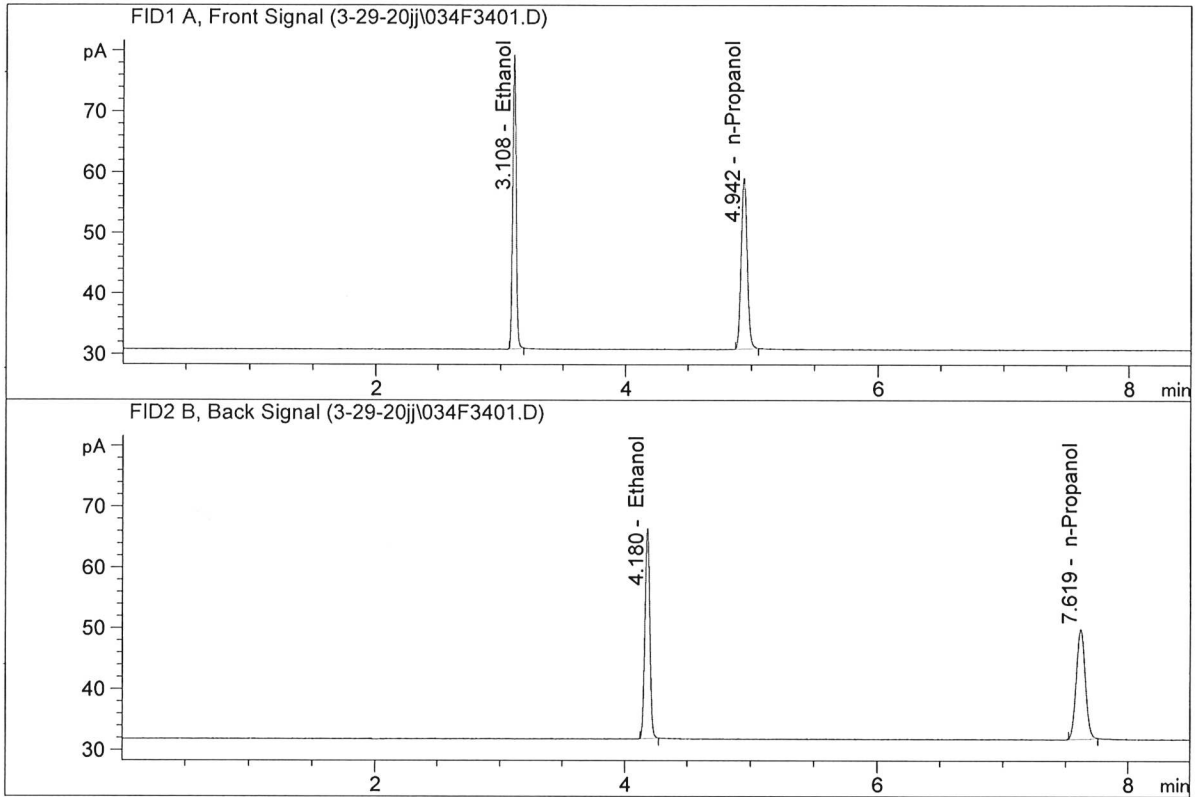


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.34975	0.3045	g/100cc
2.	Ethanol	Column 2:	56.70023	0.3053	g/100cc
3.	n-Propanol	Column 1:	93.04523	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.41978	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 29, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	94.20740	0.5123	g/100cc
2.	Ethanol	Column 2:	94.64645	0.5141	g/100cc
3.	n-Propanol	Column 1:	92.46660	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.62293	1.0000	g/100cc

99