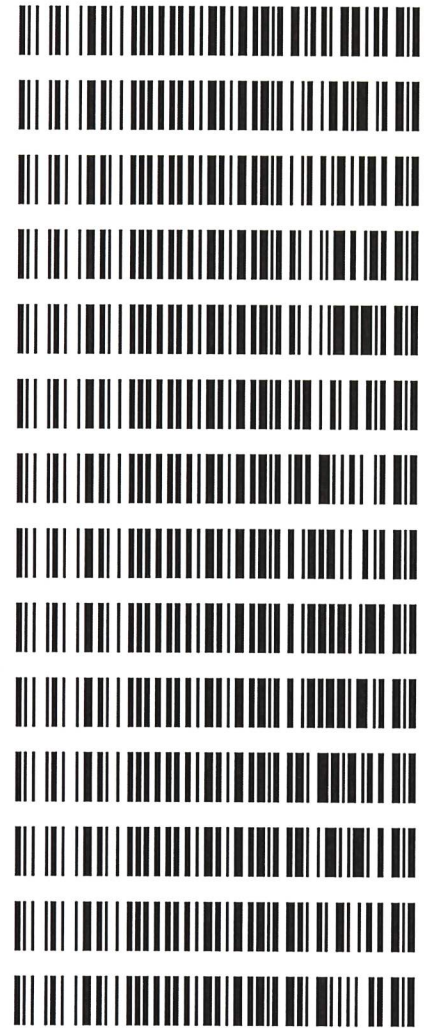


Worklist: 4239

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
C2020-0757	1	BCK	Alcohol Analysis
C2020-0771	1	BCK	Alcohol Analysis
C2020-0772	1	BCK	Alcohol Analysis
C2020-0793	1	BCK	Alcohol Analysis
C2020-0793	2	BCK	Alcohol Analysis
C2020-0808	1	BCK	Alcohol Analysis
C2020-0836	1	BCK	Alcohol Analysis
C2020-0871	1	BCK	Alcohol Analysis
C2020-0872	1	BCK	Alcohol Analysis
C2020-0877	1	BCK	Alcohol Analysis
C2020-0888	1	BCK	Alcohol Analysis
C2020-0891	1	BCK	Alcohol Analysis
C2020-0910	1	BCK	Alcohol Analysis
C2020-0916	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): 5-17-20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results	
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0768 g/100cc	
					0.0777 g/100cc	
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1980 g/100cc	
					0.1996 g/100cc	
Multi-Component mixture:		Sep-20	Lot #	FN06041502	OK	
Curve Fit:			Column 1	1.00000	Column 2	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	0.0503	0.0492	0.0011	0.0497
100	0.100	0.090 - 0.110	0.1004	0.0992	0.0012	0.0998
200	0.200	0.180 - 0.220	0.1991	0.1976	0.0015	0.1983
300	0.300	0.270 - 0.330	0.3015	0.3007	0.0008	0.3011
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4993	0.5008	0.0015	0.5

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

REVIEWED

By Rachel Cutler at 12:51 pm, May 19, 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_17.05.2020_12.22.54\5-17-2020.S
 Data directory path: C:\Chem32\1\Data\5-17-20jj
 Logbook: C:\Chem32\1\Data\5-17-20jj\5-17-2020.LOG
 Sequence start: 5/17/2020 12:36:39 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 C2020-0757-1-A	-	1.0000	008F0801.D		4
9	9		1 C2020-0757-1-B	-	1.0000	009F0901.D		4
10	10		1 C2020-0771-1-A	-	1.0000	010F1001.D		4
11	11		1 C2020-0771-1-B	-	1.0000	011F1101.D		4
12	12		1 C2020-0772-1-A	-	1.0000	012F1201.D		2
13	13		1 C2020-0772-1-B	-	1.0000	013F1301.D		2
14	14		1 C2020-0793-1-A	-	1.0000	014F1401.D		2
15	15		1 C2020-0793-1-B	-	1.0000	015F1501.D		2
16	16		1 C2020-0793-2-A	-	1.0000	016F1601.D		2
17	17		1 C2020-0793-2-B	-	1.0000	017F1701.D		2
18	18		1 C2020-0808-1-A	-	1.0000	018F1801.D		4
19	19		1 C2020-0808-1-B	-	1.0000	019F1901.D		4
20	20		1 C2020-0836-1-A	-	1.0000	020F2001.D		4
21	21		1 C2020-0836-1-B	-	1.0000	021F2101.D		4
22	22		1 C2020-0871-1-A	-	1.0000	022F2201.D		4
23	23		1 C2020-0871-1-B	-	1.0000	023F2301.D		4
24	24		1 C2020-0872-1-A	-	1.0000	024F2401.D		4
25	25		1 C2020-0872-1-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 C2020-0877-1-A	-	1.0000	028F2801.D		2
29	29		1 C2020-0877-1-B	-	1.0000	029F2901.D		2
30	30		1 C2020-0888-1-A	-	1.0000	030F3001.D		4
31	31		1 C2020-0888-1-B	-	1.0000	031F3101.D		4
32	32		1 C2020-0891-1-A	-	1.0000	032F3201.D		4
33	33		1 C2020-0891-1-B	-	1.0000	033F3301.D		4
34	34		1 C2020-0910-1-A	-	1.0000	034F3401.D		4
35	35		1 C2020-0910-1-B	-	1.0000	035F3501.D		4
36	36		1 C2020-0916-1-A	-	1.0000	036F3601.D		2
37	37		1 C2020-0916-1-B	-	1.0000	037F3701.D		2
38	38		1 QC-1(1)-A	-	1.0000	038F3801.D		4
39	39		1 QC-1(1)-B	-	1.0000	039F3901.D		4
40	40		1 QC-2(1)-A	-	1.0000	040F4001.D		4
41	41		1 QC-2(1)-B	-	1.0000	041F4101.D		4
42	42		1 ISTD BLANK-2	-	1.0000	042F4201.D		2
43	43		1 water-2	-	1.0000	043F4301.D		0
44	44		1 0.05 CHECK	-	1.0000	044F4401.D		4
45	45		1 0.100 CHECK	-	1.0000	045F4501.D		4
46	46		1 0.200 CHECK	-	1.0000	046F4601.D		4

99

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
47	47	1	0.300 CHECK	-	1.0000	047F4701.D	4
48	48	1	0.500 CHECK	-	1.0000	048F4801.D	4

99

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Calibration Table
=====

General Calibration Setting

Calib. Data Modified : Sunday, May 17, 2020 12:12:37 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

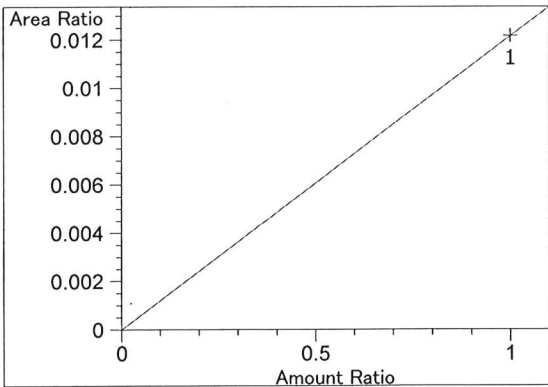
Overview Table

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	8.96129	5.57955e-3	No	No 1	Ethanol
		2	1.00000e-1	18.48170	5.41076e-3			
		3	2.00000e-1	36.29431	5.51051e-3			
		4	3.00000e-1	54.88569	5.46591e-3			
		5	5.00000e-1	90.81027	5.50599e-3			
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No 2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No 1	Isopropyl alcohol
4.180	2	1	5.00000e-2	8.79152	5.68730e-3	No	No 2	Ethanol
		2	1.00000e-1	18.36772	5.44434e-3			
		3	2.00000e-1	36.14946	5.53259e-3			
		4	3.00000e-1	54.91810	5.46268e-3			
		5	5.00000e-1	91.08638	5.48929e-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
4.942	1	1	1.00000	90.23399	1.10823e-2	No	Yes 1	n-Propanol
		2	1.00000	93.27819	1.07206e-2			
		3	1.00000	92.39086	1.08236e-2			
		4	1.00000	92.26163	1.08387e-2			
		5	1.00000	92.17155	1.08493e-2			
7.620	2	1	1.00000	87.74480	1.13967e-2	No	Yes 2	n-Propanol
		2	1.00000	90.87115	1.10046e-2			
		3	1.00000	89.80752	1.11349e-2			
		4	1.00000	89.67657	1.11512e-2			
		5	1.00000	89.29379	1.11990e-2			

Peak Sum Table

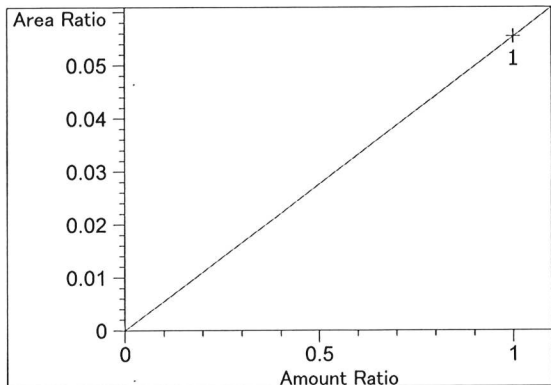
No Entries in table

Calibration Curves

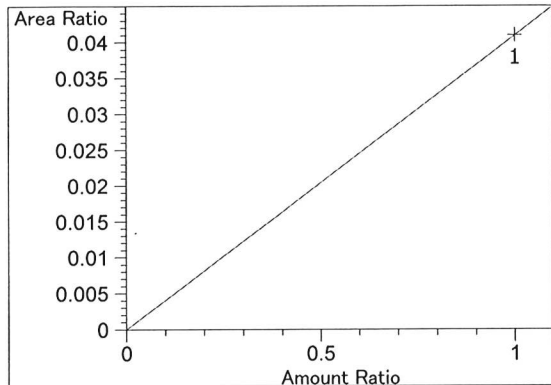


Difluoroethane at exp. RT: 1.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.21710e-2
 x: Amount Ratio
 y: Area Ratio

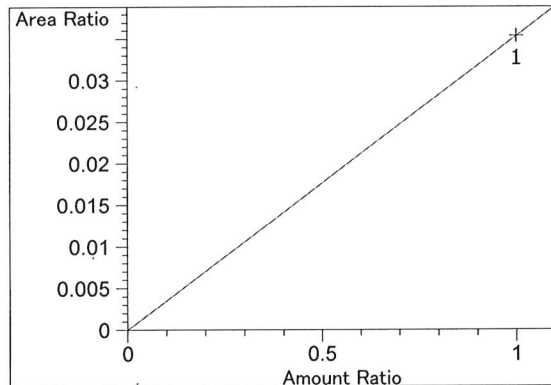
99



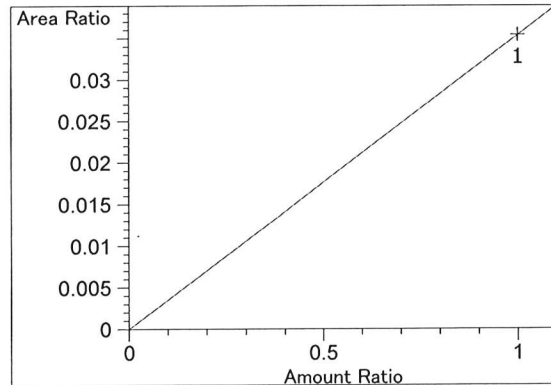
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 5.54115e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 4.09679e-2
x: Amount Ratio
y: Area Ratio

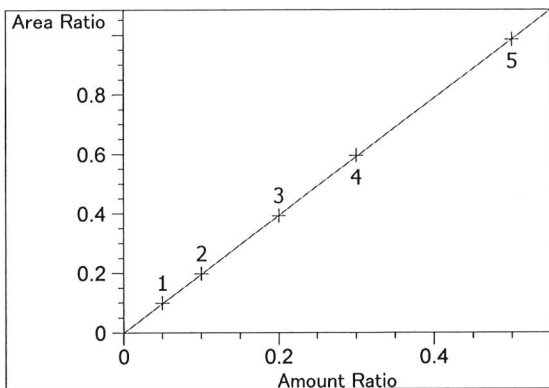


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.53870e-2
x: Amount Ratio
y: Area Ratio

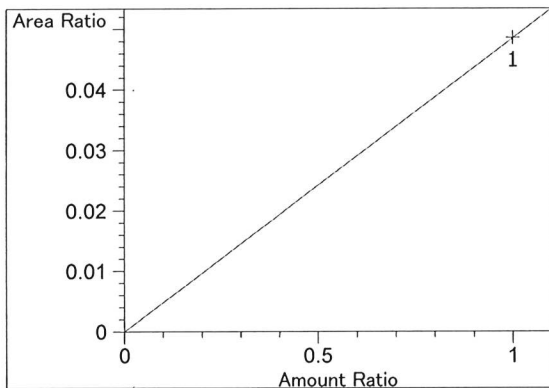


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.53953e-2
x: Amount Ratio
y: Area Ratio

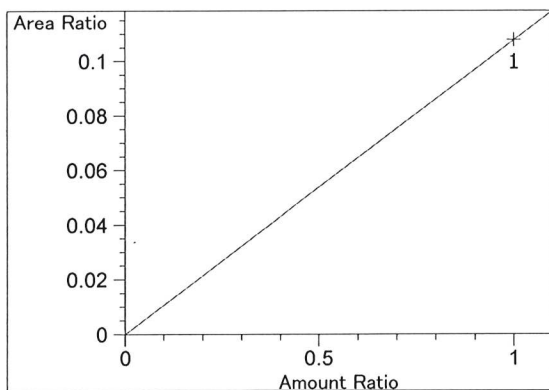
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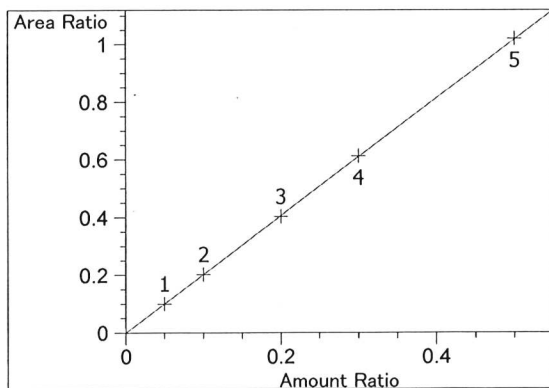
Ethanol at exp. RT: 3.108
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00192
 Formula: $y = mx$
 m: 1.97307
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.211
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 4.85570e-2
 x: Amount Ratio
 y: Area Ratio

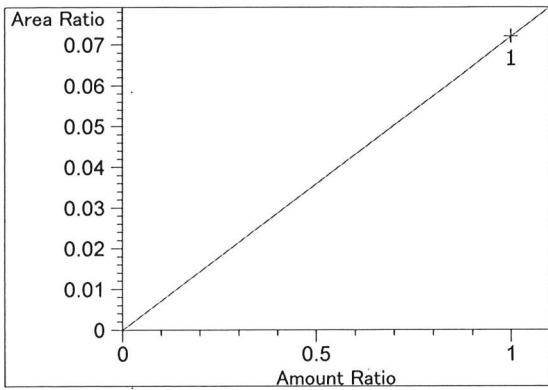


Isopropyl alcohol at exp. RT: 3.715
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.07837e-1
 x: Amount Ratio
 y: Area Ratio

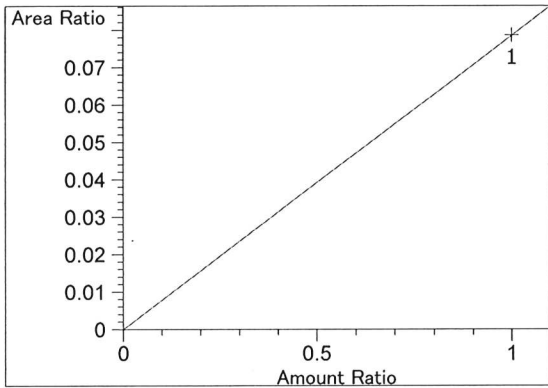


Ethanol at exp. RT: 4.180
 FID2 B, Back Signal
 Correlation: 0.99999
 Residual Std. Dev.: 0.00288
 Formula: $y = mx$
 m: 2.03690
 x: Amount Ratio
 y: Area Ratio

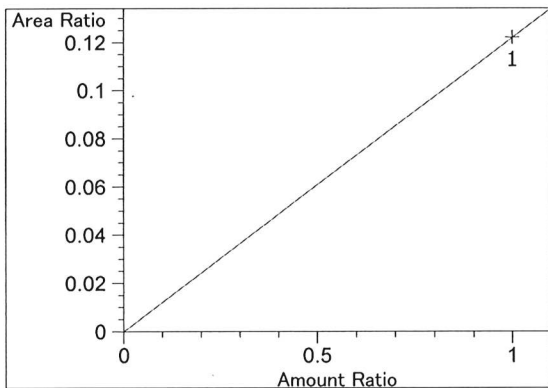
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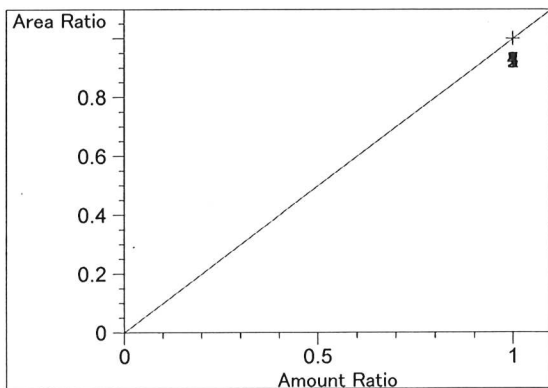
Acetone at exp. RT: 4.530
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.20283e-2
 x: Amount Ratio
 y: Area Ratio



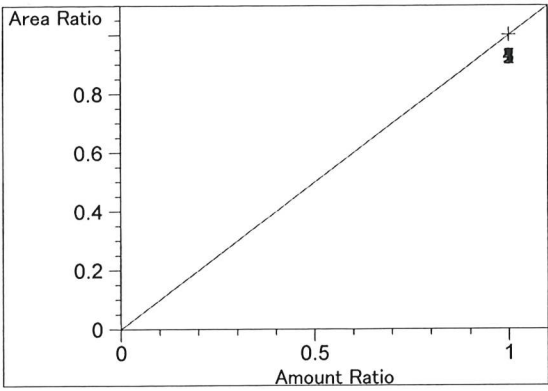
Acetone at exp. RT: 4.549
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.85575e-2
 x: Amount Ratio
 y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.22018e-1
 x: Amount Ratio
 y: Area Ratio



n-Propanol at exp. RT: 4.942
 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: 7.620
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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.05.2020_10.37.01\5-17-20cal.S
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 Logbook: C:\Chem32\1\Data\5-17-20calJJ\5-17-20cal.LOG
 Sequence start: 5/17/2020 10:50:43 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

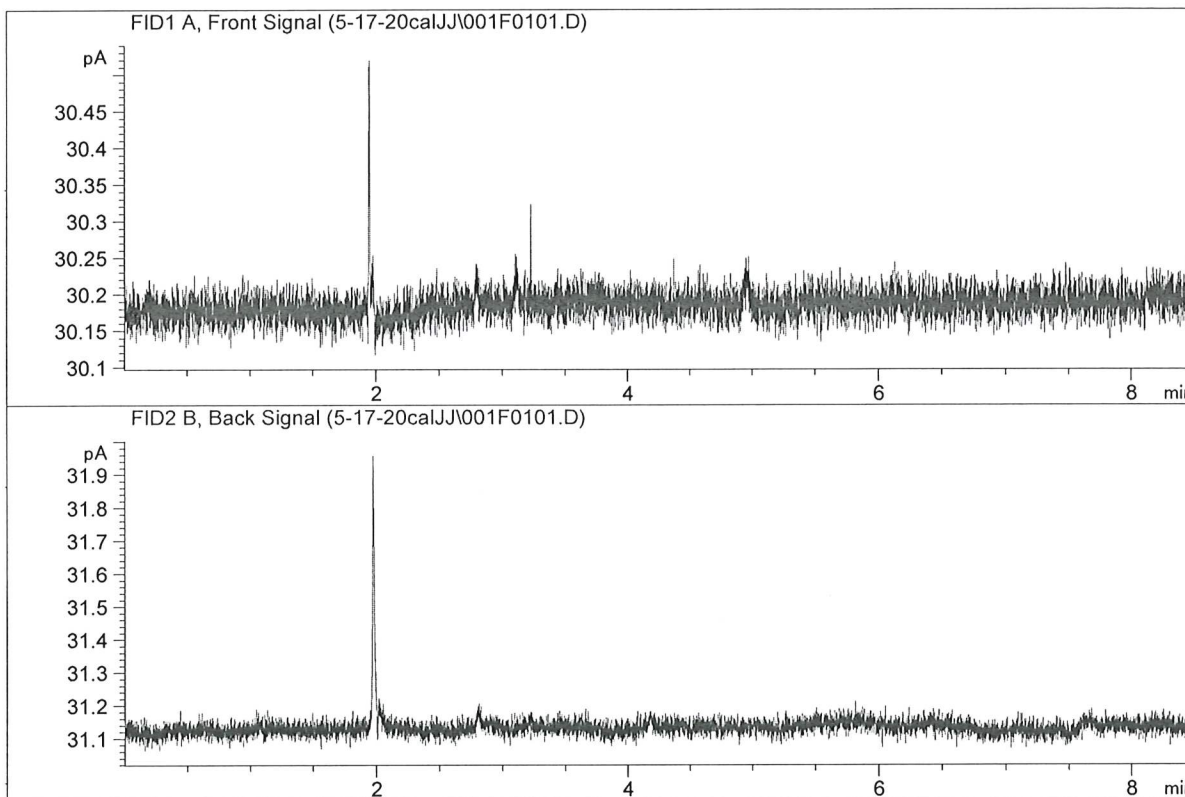
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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	blank	-	1.0000	007F0701.D		2

99

ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

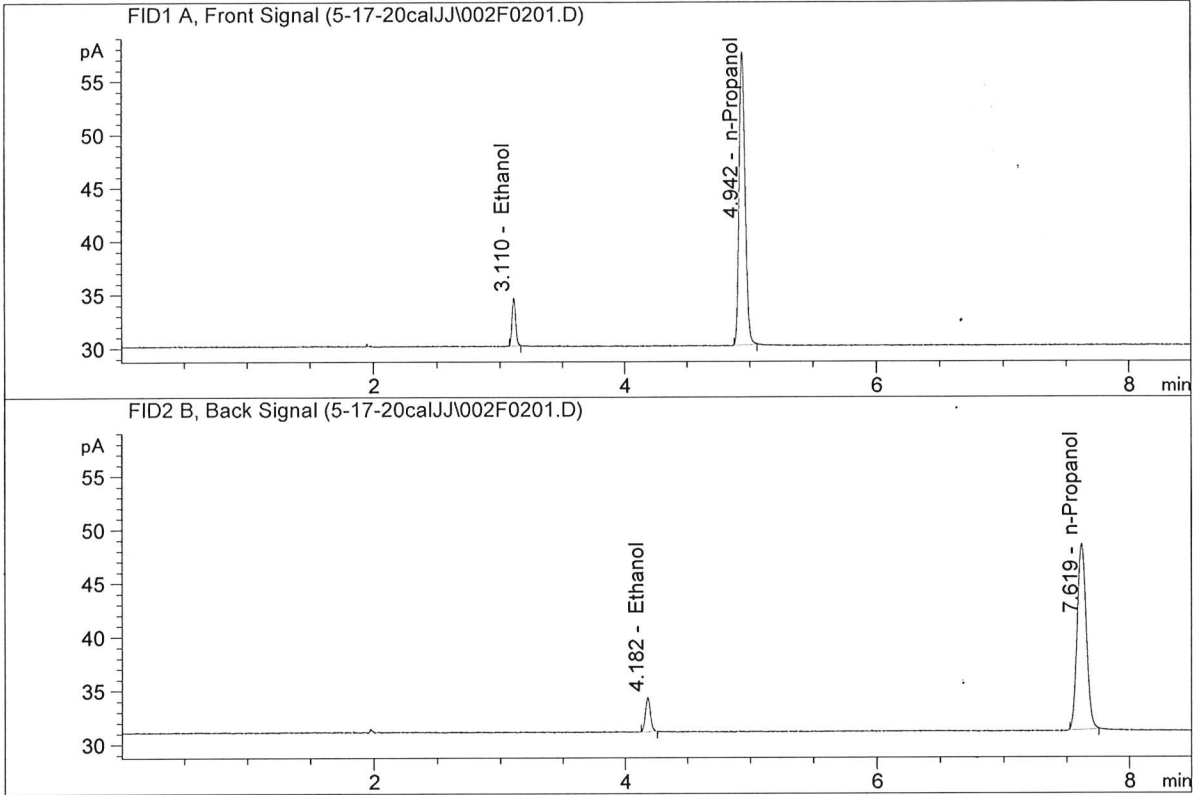


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument : CN10742044-IT00725005

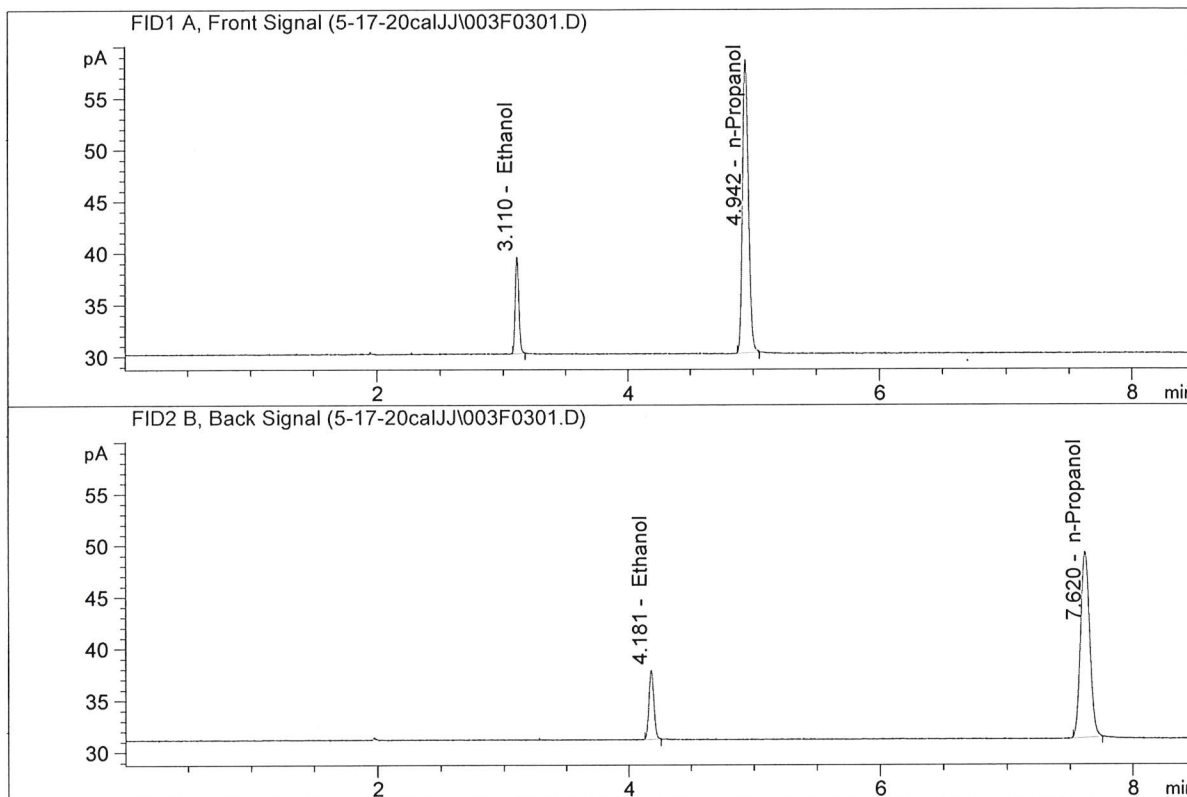


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.96129	0.0503	g/100cc
2.	Ethanol	Column 2:	8.79152	0.0492	g/100cc
3.	n-Propanol	Column 1:	90.23399	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.74480	1.0000	g/100cc

59

ISP Forensic Services Blood Alcohol Report

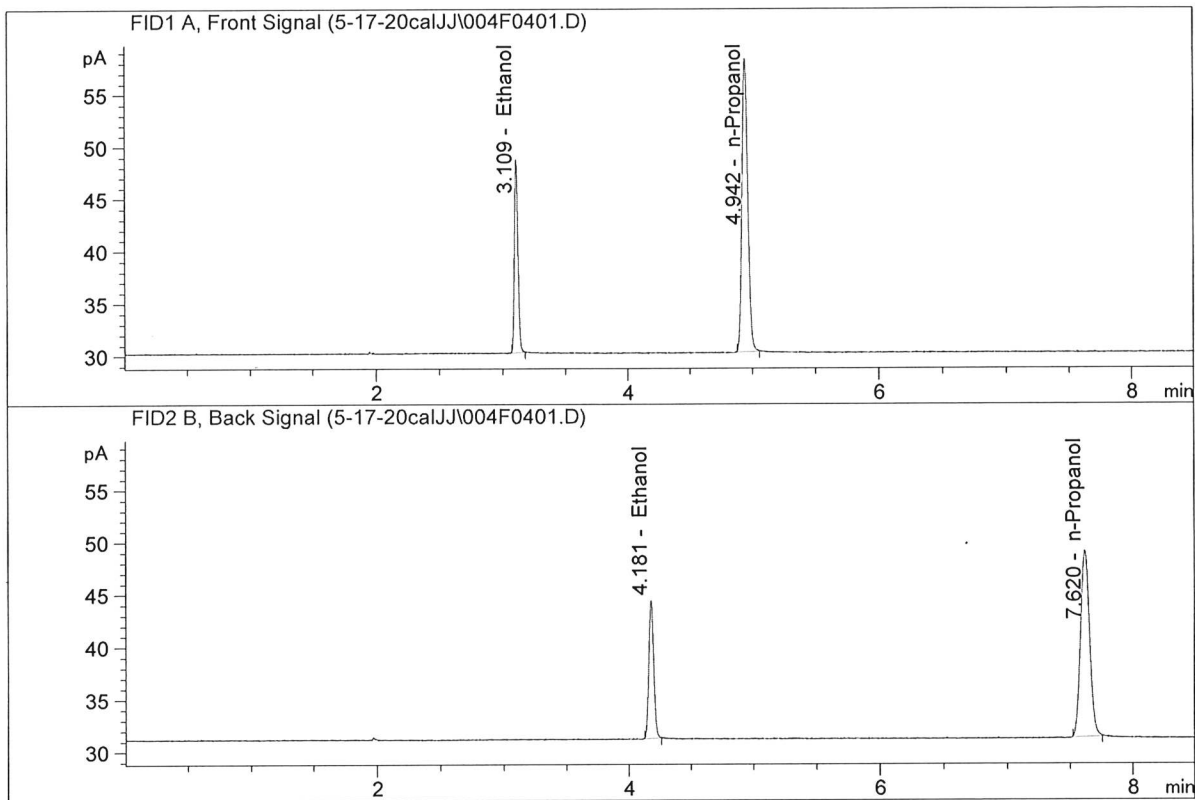
Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.48170	0.1004	g/100cc
2.	Ethanol	Column 2:	18.36772	0.0992	g/100cc
3.	n-Propanol	Column 1:	93.27819	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.87115	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

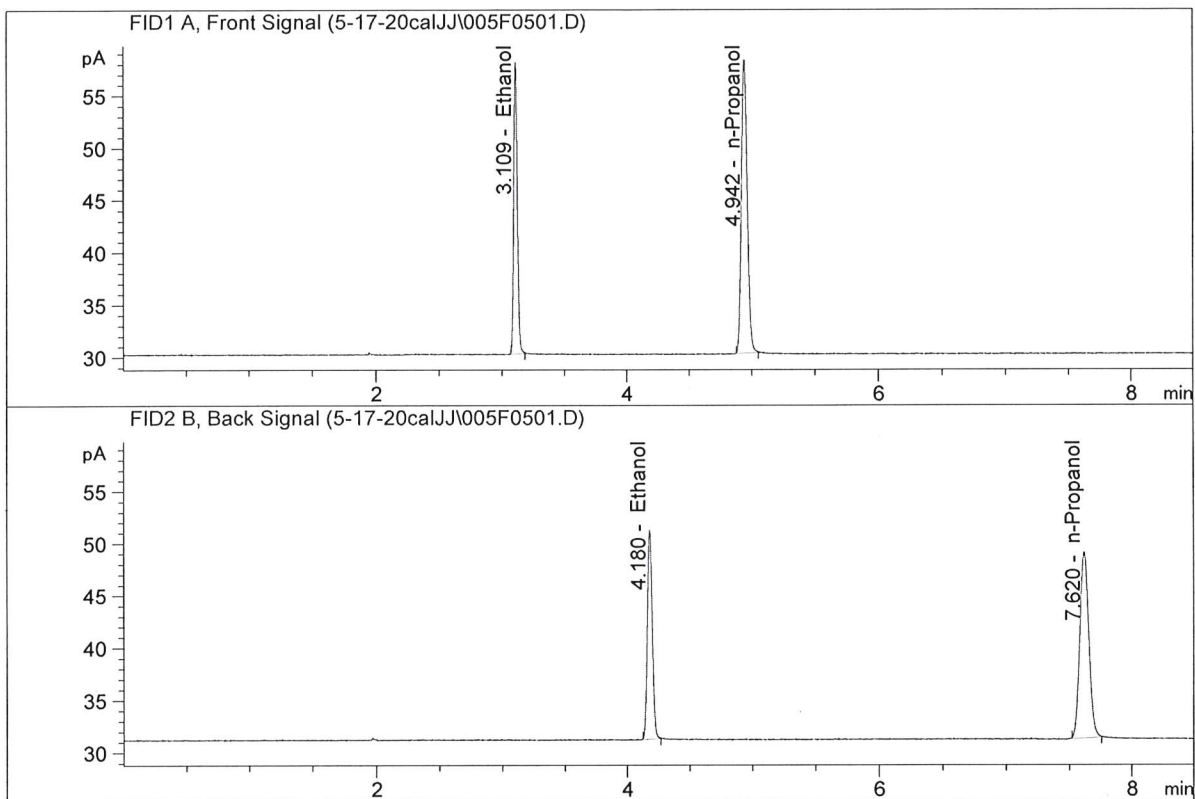
Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.29431	0.1991	g/100cc
2.	Ethanol	Column 2:	36.14946	0.1976	g/100cc
3.	n-Propanol	Column 1:	92.39086	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.80752	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

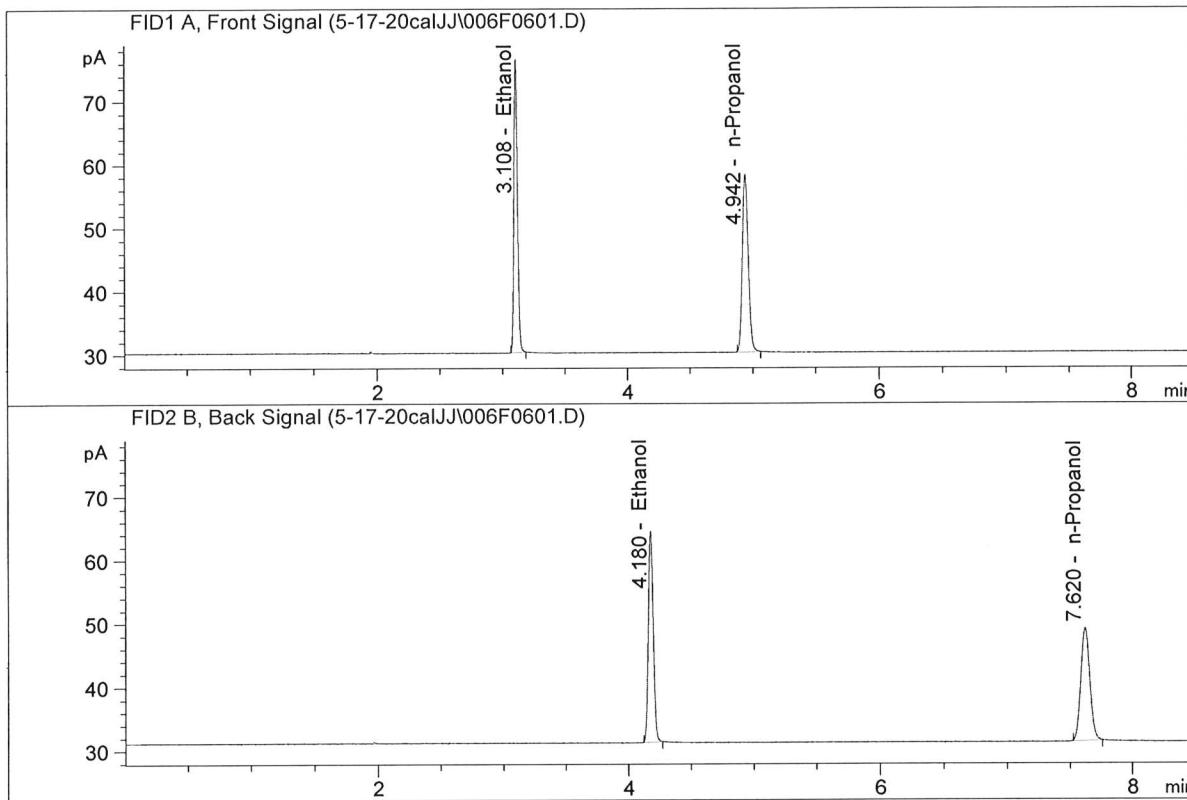


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.88569	0.3015	g/100cc
2.	Ethanol	Column 2:	54.91810	0.3007	g/100cc
3.	n-Propanol	Column 1:	92.26163	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.67657	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

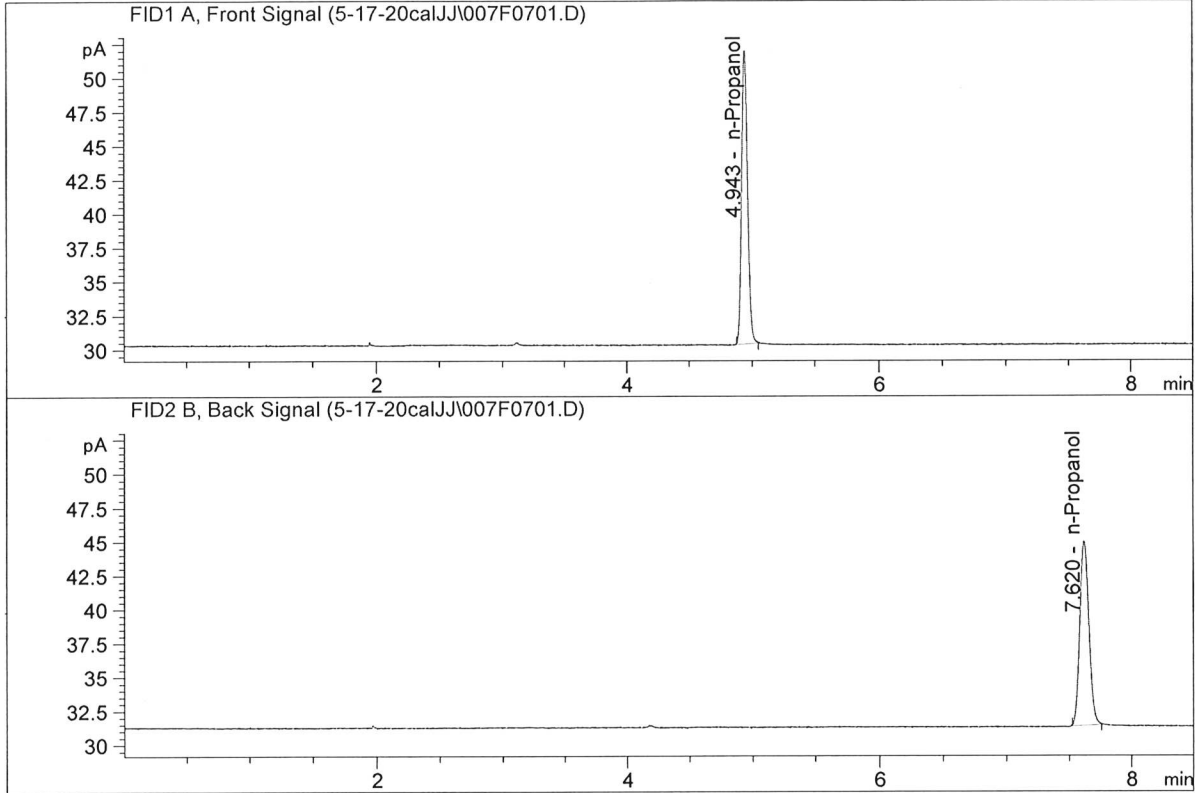


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.81027	0.4993	g/100cc
2.	Ethanol	Column 2:	91.08638	0.5008	g/100cc
3.	n-Propanol	Column 1:	92.17155	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.29379	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

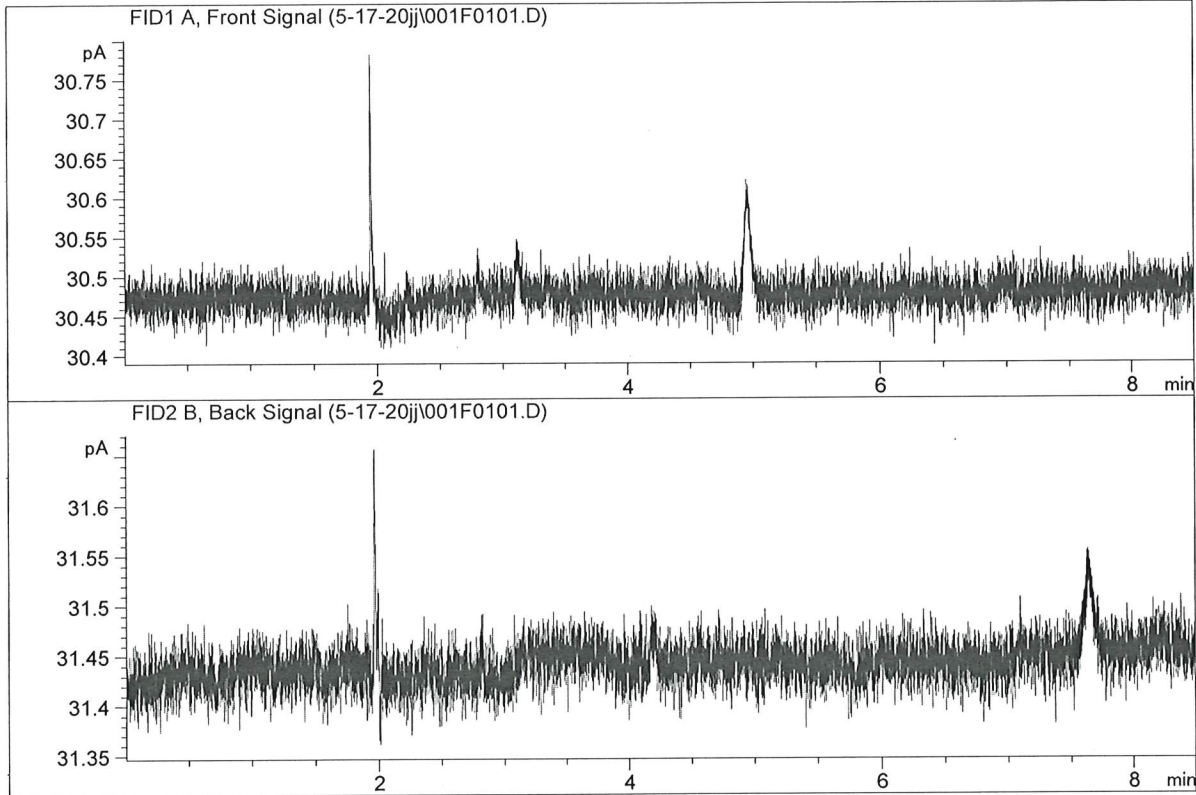
Sample Name : blank
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	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:	71.01272	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.93850	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

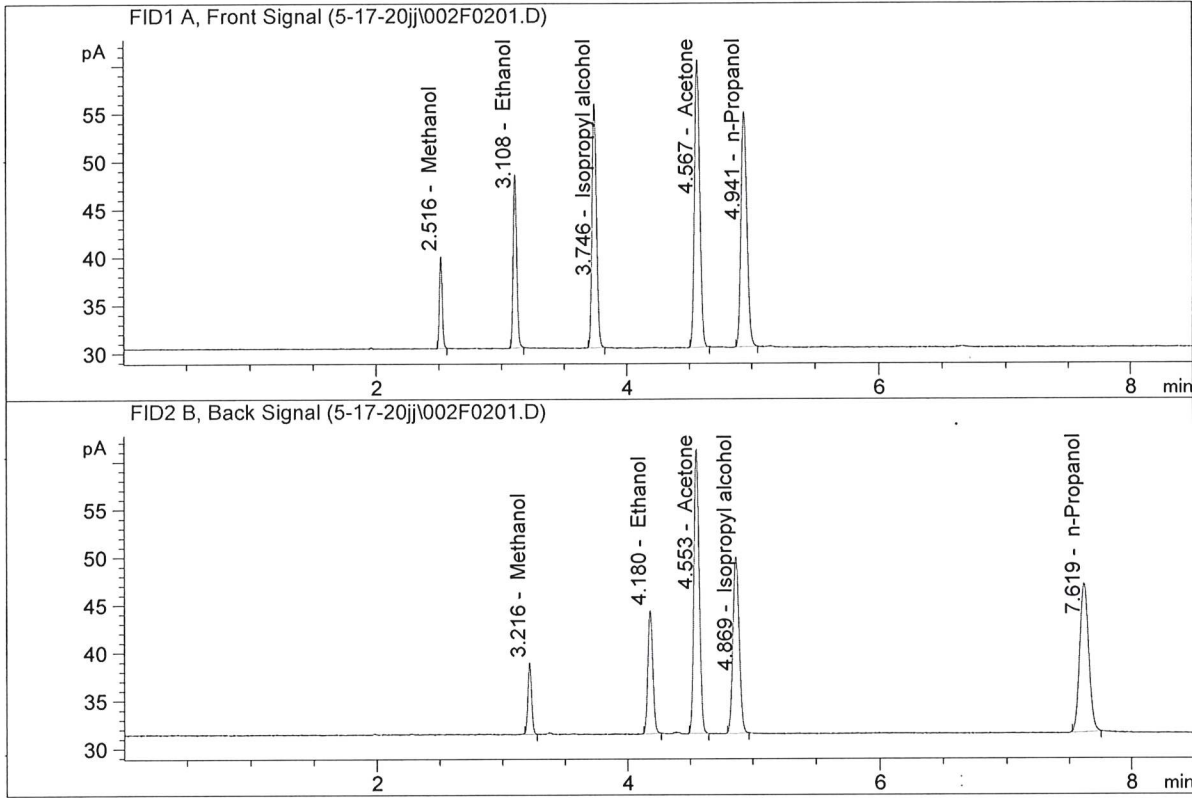


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

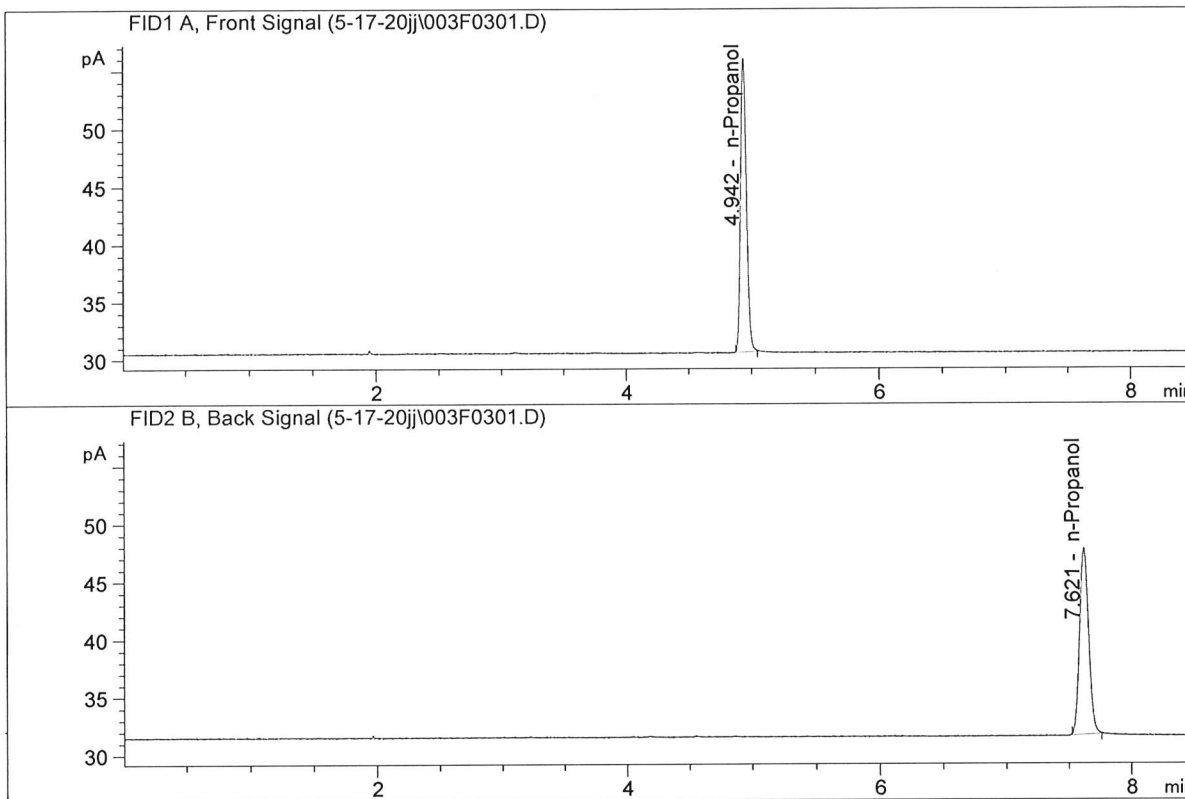


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.54260	0.2239	g/100cc
2.	Ethanol	Column 2:	35.43030	0.2222	g/100cc
3.	n-Propanol	Column 1:	80.44317	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.28680	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 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:	83.24142	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.45840	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 17 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0774	0.0770	0.0004	0.0772	0.0007	0.0768
(g/100cc)	0.0770	0.0761	0.0009	0.0765		

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.

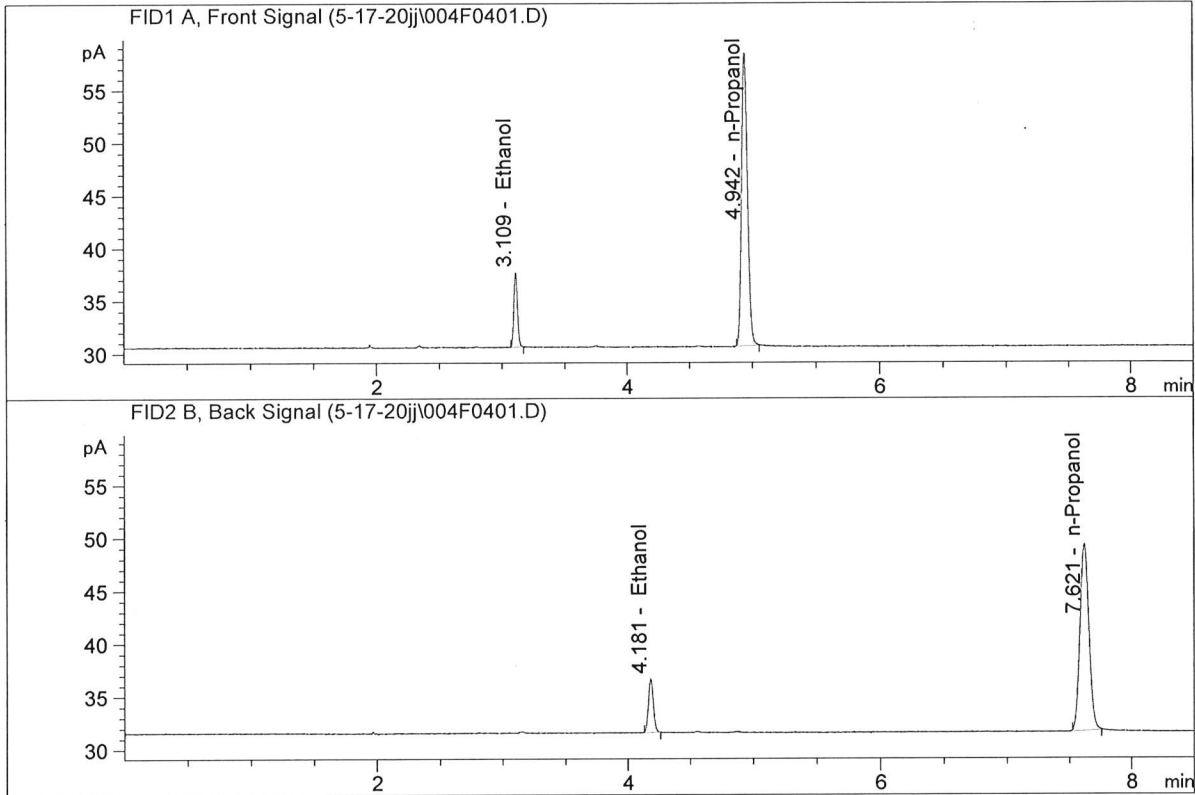
Revision: 2

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 : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

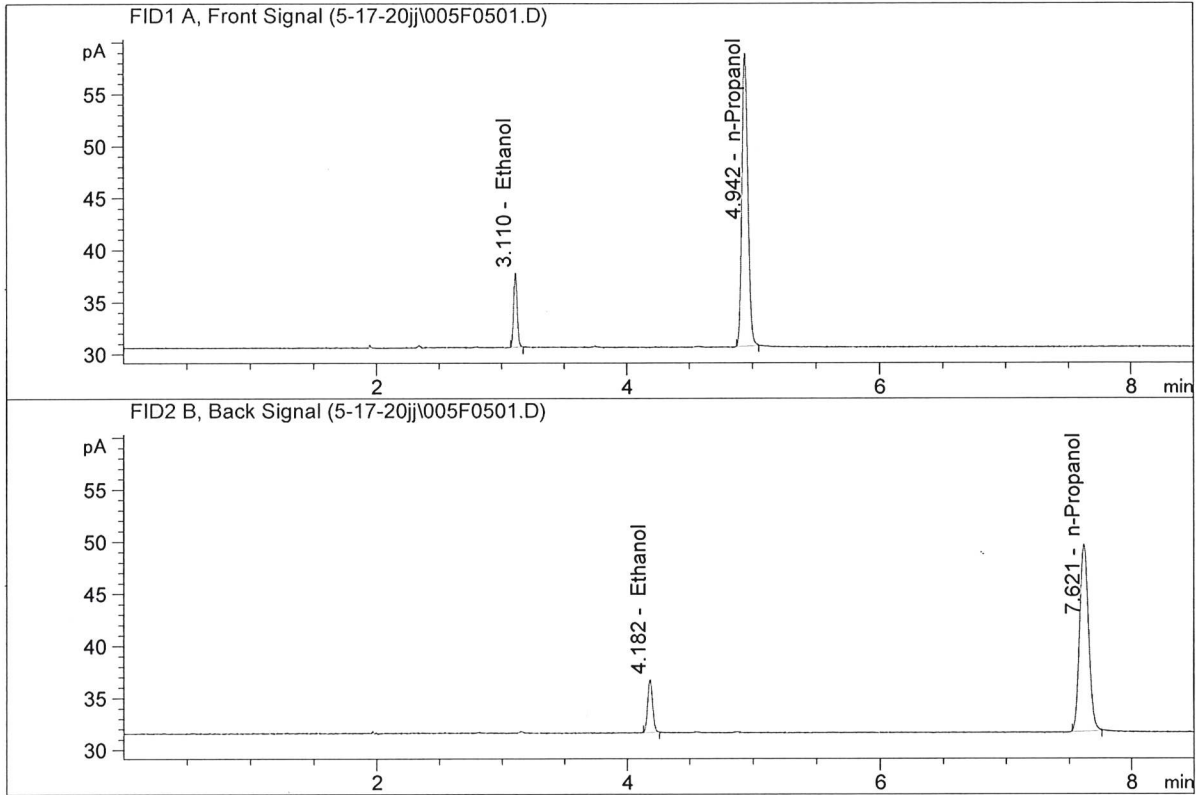


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.92392	0.0774	g/100cc
2.	Ethanol	Column 2:	13.97892	0.0770	g/100cc
3.	n-Propanol	Column 1:	91.17107	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.09113	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.02260	0.0770	g/100cc
2.	Ethanol	Column 2:	14.00550	0.0761	g/100cc
3.	n-Propanol	Column 1:	92.27897	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.38429	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807-A

Analysis Date(s): 17 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0817	0.0809	0.0008	0.0813	0.0003	0.0811
(g/100cc)	0.0816	0.0805	0.0011	0.0810		

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
0.081	0.076	0.086	0.005

	Reported Result	
	0.081	

Calibration and control data are stored centrally.

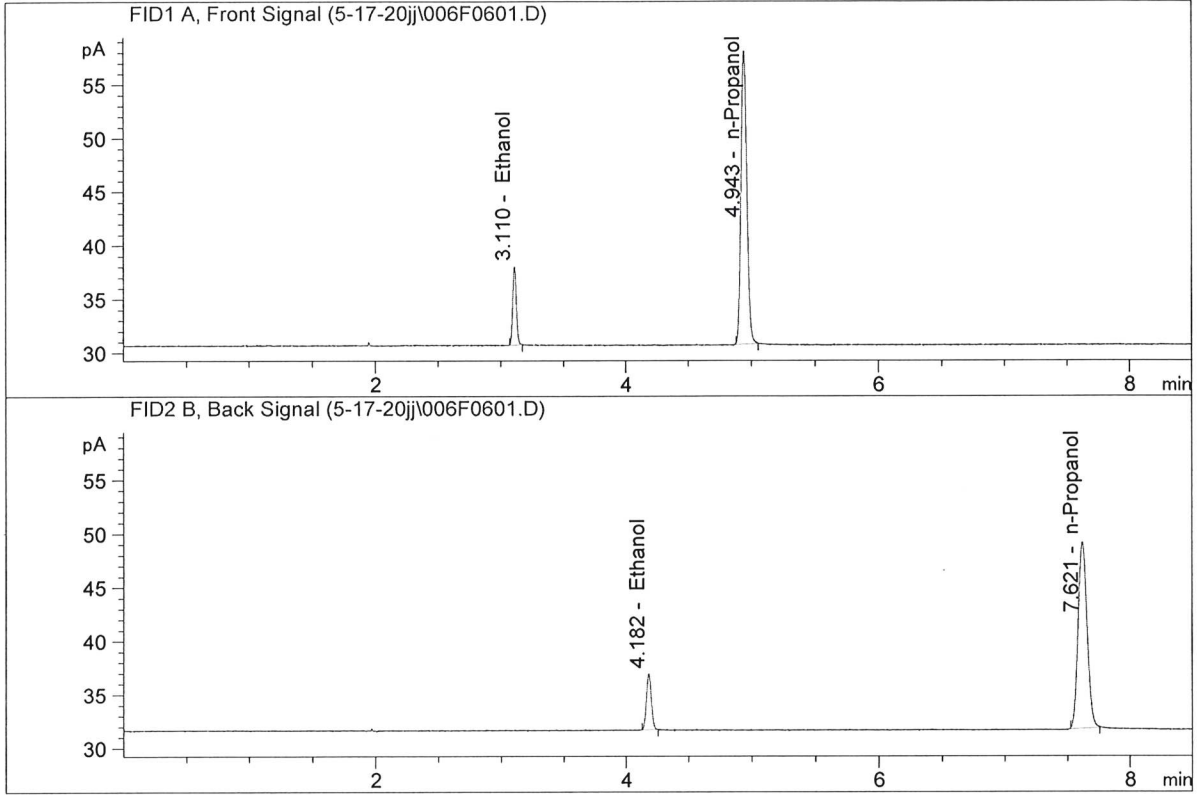
Revision: 2

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 : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

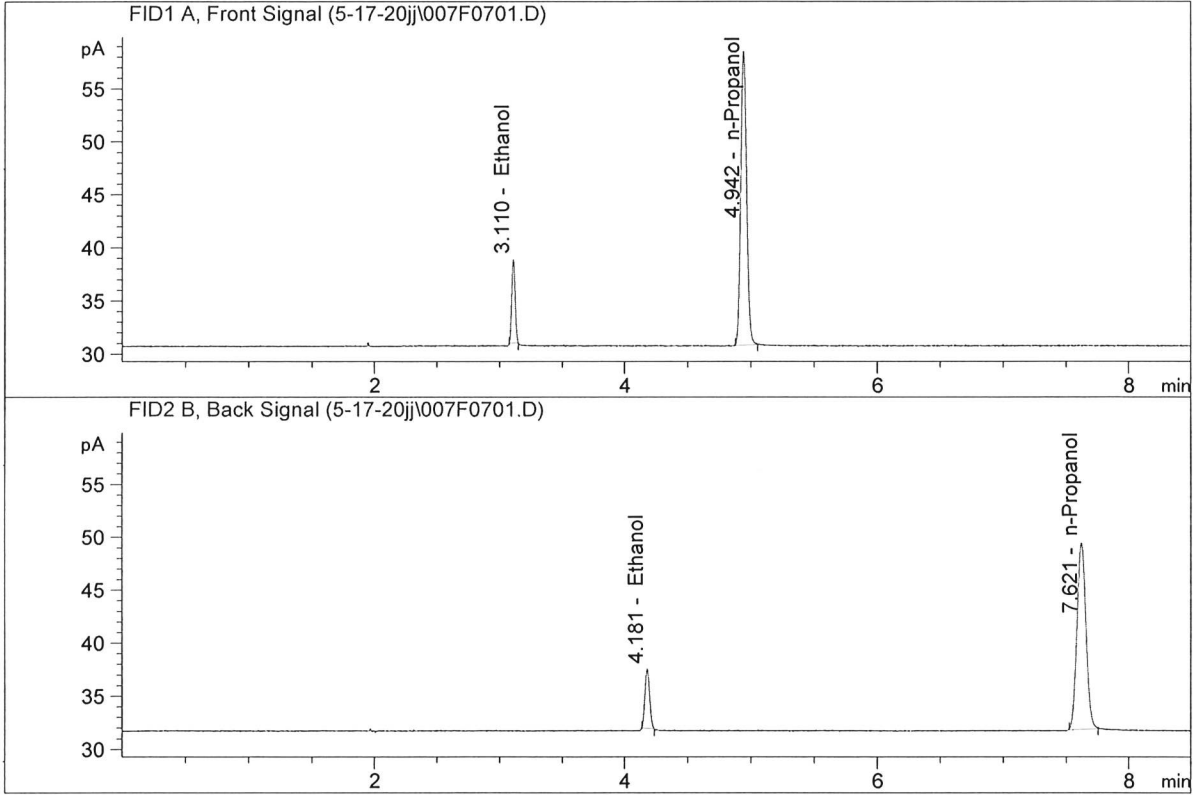


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.47303	0.0817	g/100cc
2.	Ethanol	Column 2:	14.43563	0.0809	g/100cc
3.	n-Propanol	Column 1:	89.80374	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.63979	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.62971	0.0816	g/100cc
2.	Ethanol	Column 2:	14.52552	0.0805	g/100cc
3.	n-Propanol	Column 1:	90.90074	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.60638	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)

Analysis Date(s): 17 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1997	0.1979	0.0018	0.1988	0.0016	0.1980
(g/100cc)	0.1977	0.1967	0.0010	0.1972		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.198	

Calibration and control data are stored centrally.

99

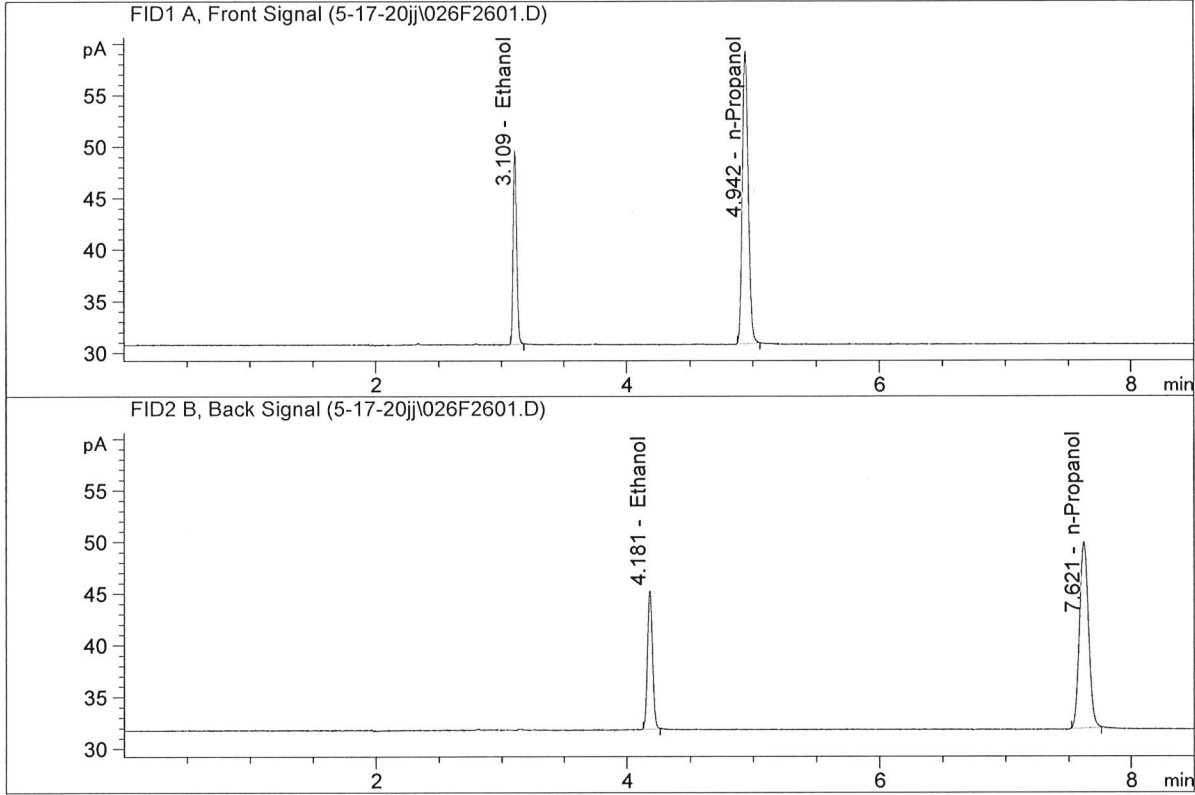
Revision: 2

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 : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

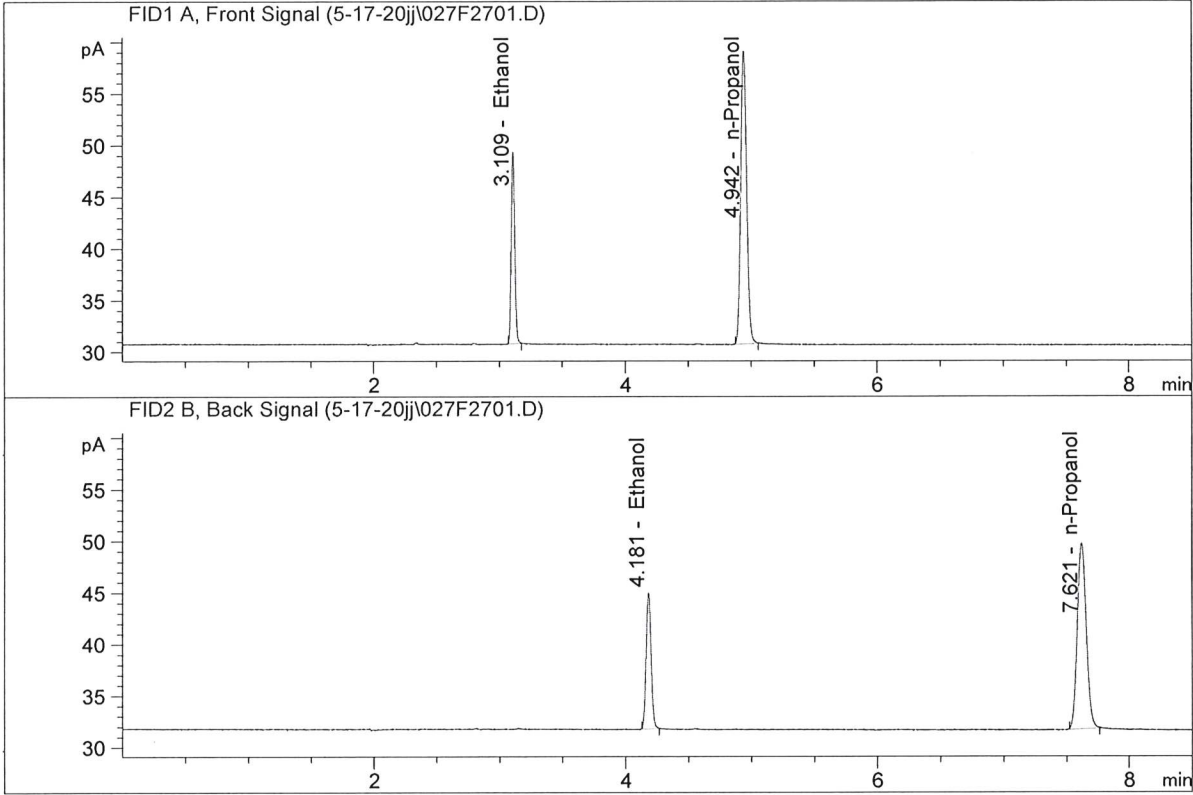


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.71295	0.1997	g/100cc
2.	Ethanol	Column 2:	36.64224	0.1979	g/100cc
3.	n-Propanol	Column 1:	93.16415	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.88364	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.29335	0.1977	g/100cc
2.	Ethanol	Column 2:	36.34470	0.1967	g/100cc
3.	n-Propanol	Column 1:	93.03001	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.72159	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 17 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0779	0.0769	0.0010	0.0774	0.0007	0.0777
(g/100cc)	0.0786	0.0777	0.0009	0.0781		

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%

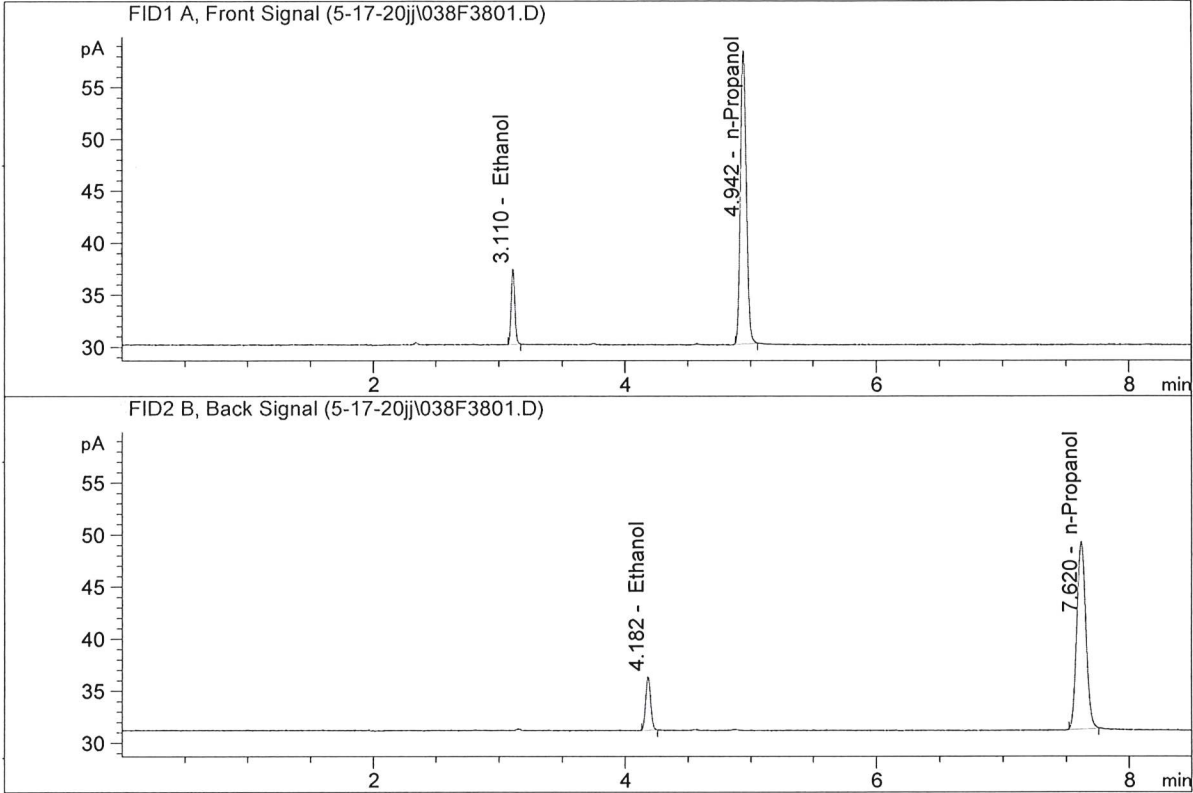
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

Reported Result	
0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

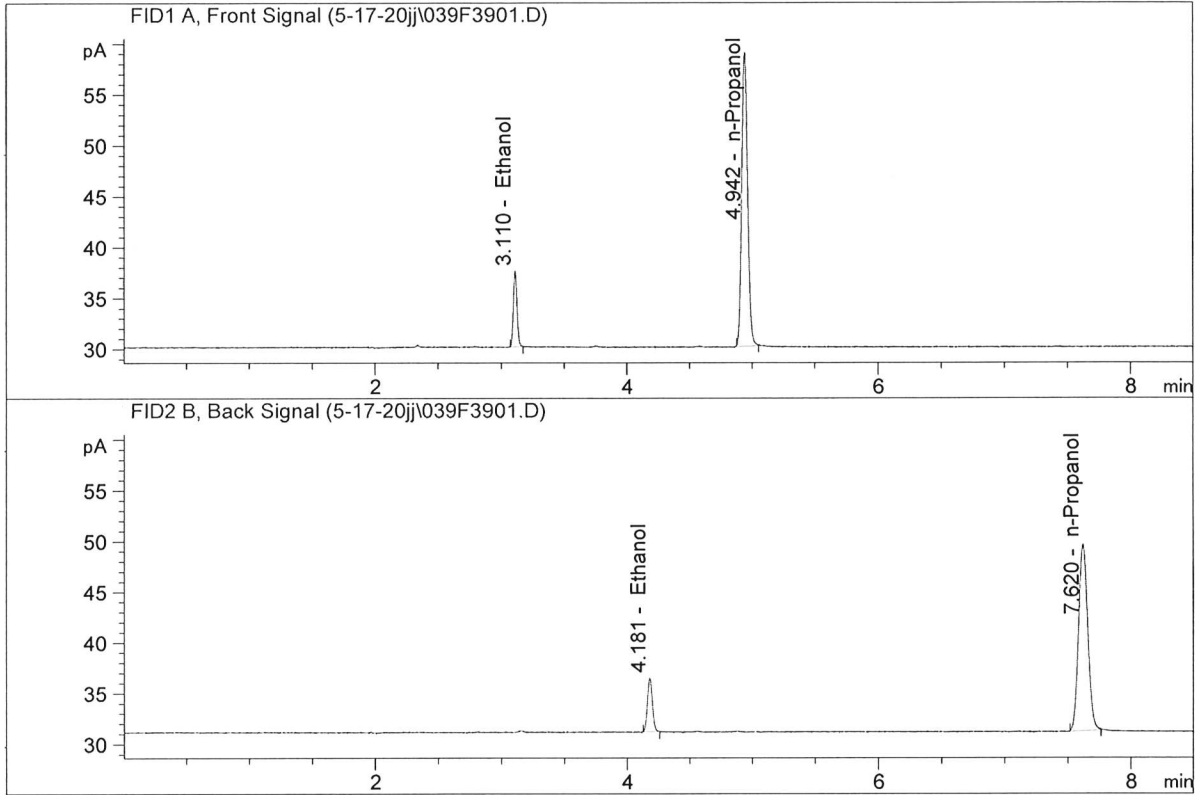


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.26898	0.0779	g/100cc
2.	Ethanol	Column 2:	14.19210	0.0769	g/100cc
3.	n-Propanol	Column 1:	92.79623	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.59156	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.70954	0.0786	g/100cc
2.	Ethanol	Column 2:	14.67007	0.0777	g/100cc
3.	n-Propanol	Column 1:	94.79135	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.64909	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)

Analysis Date(s): 17 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2003	0.1994	0.0009	0.1998	0.0003	0.1996
(g/100cc)	0.2002	0.1988	0.0014	0.1995		

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.

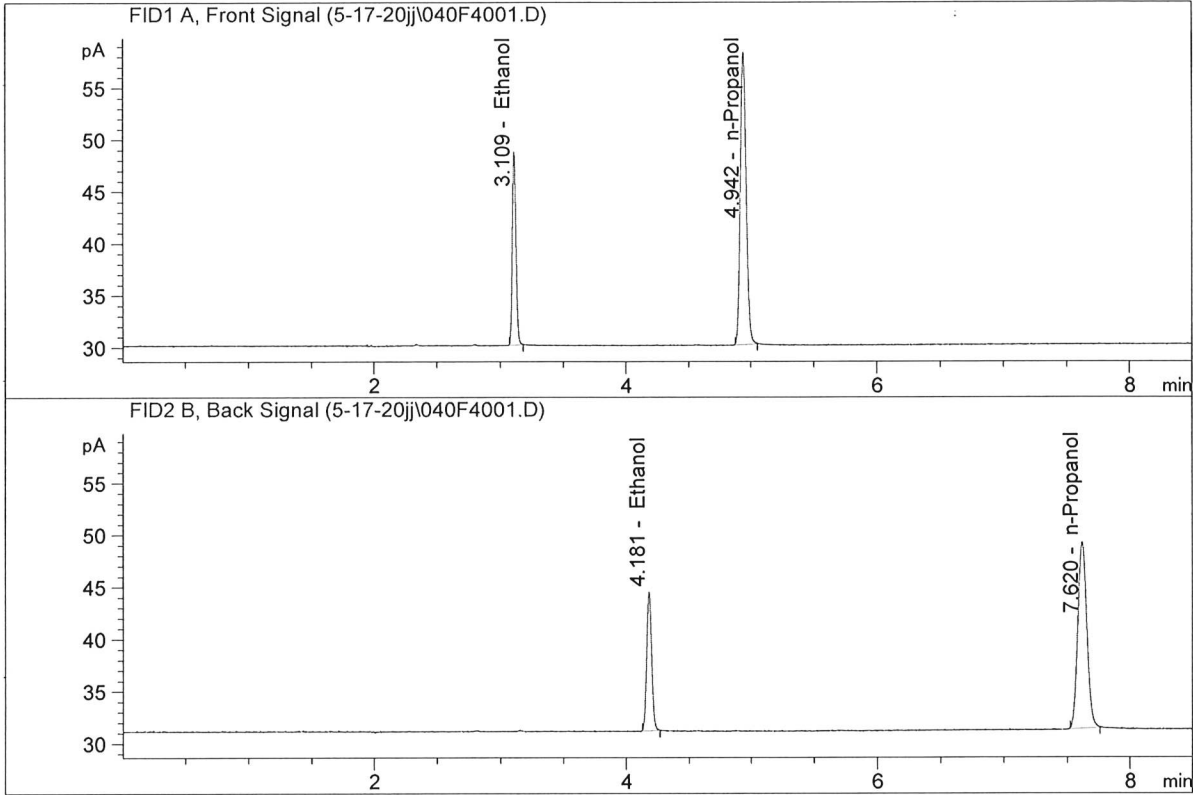
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

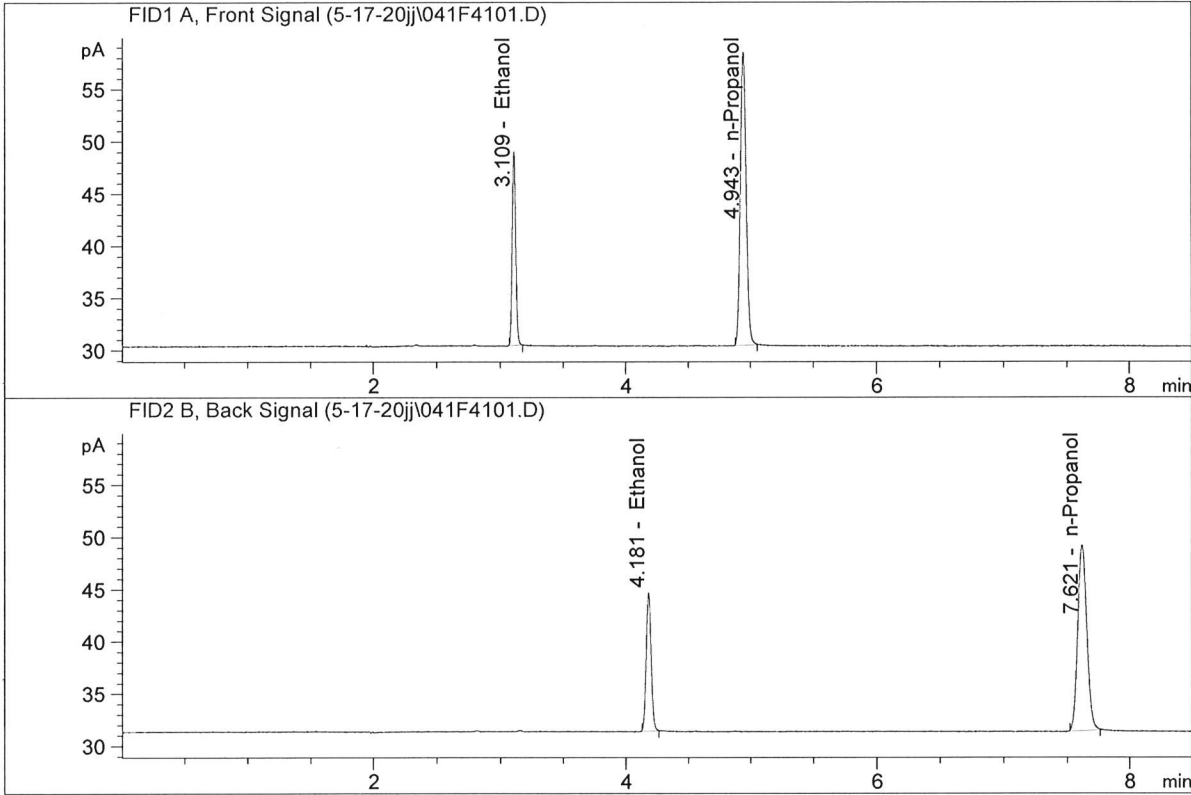


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.58096	0.2003	g/100cc
2.	Ethanol	Column 2:	36.64567	0.1994	g/100cc
3.	n-Propanol	Column 1:	92.55772	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.20654	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

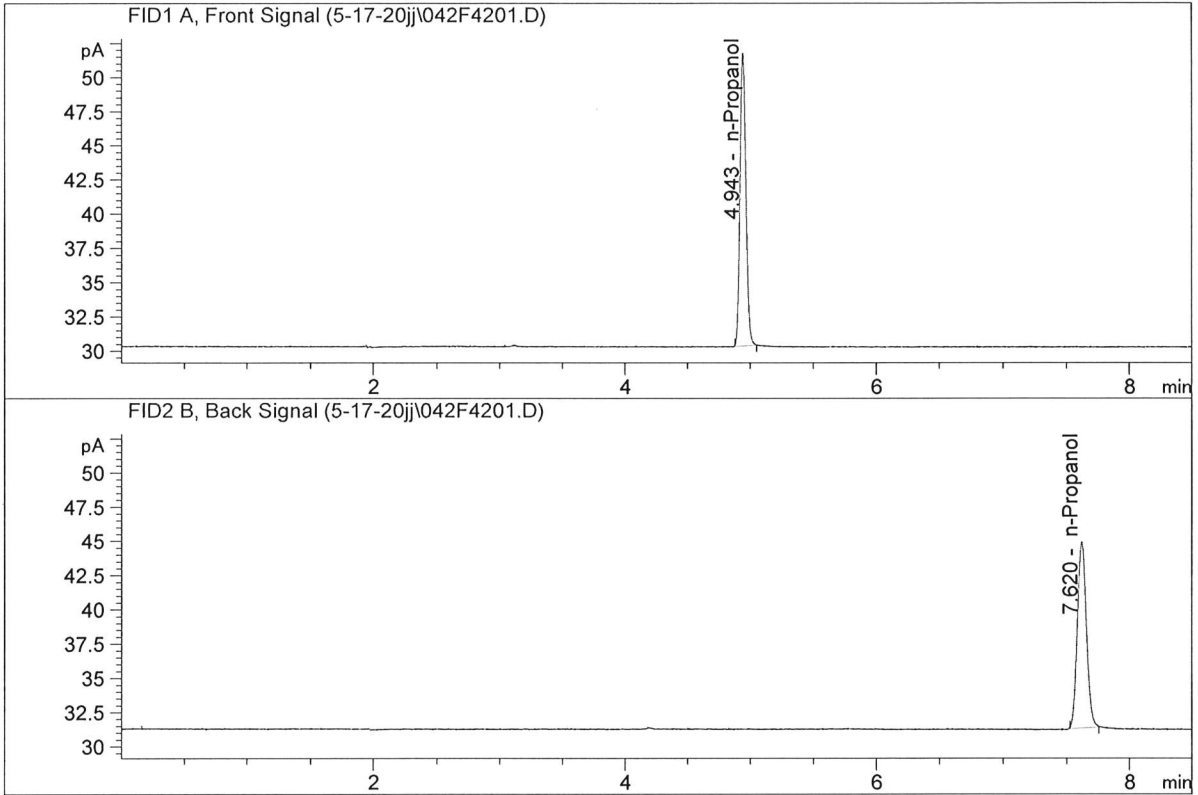


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.41995	0.2002	g/100cc
2.	Ethanol	Column 2:	36.39434	0.1988	g/100cc
3.	n-Propanol	Column 1:	92.18412	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.87830	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

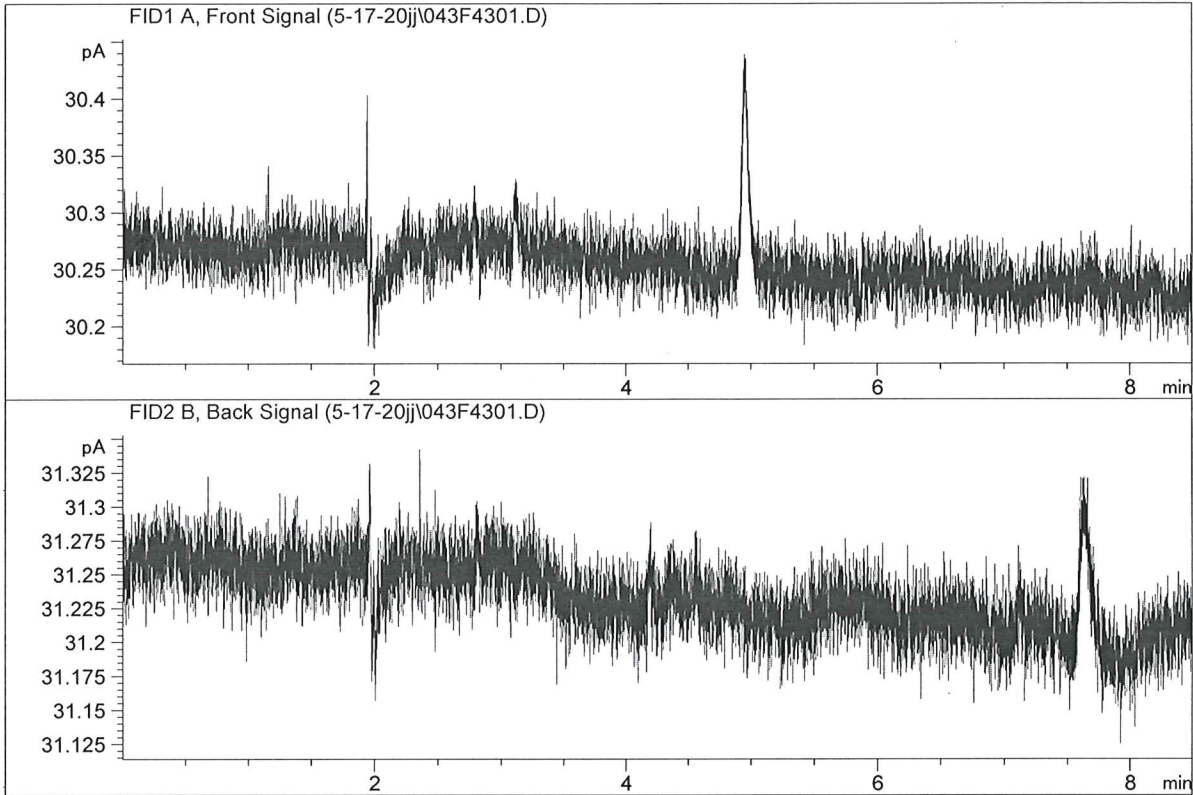


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	70.60184	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.50423	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

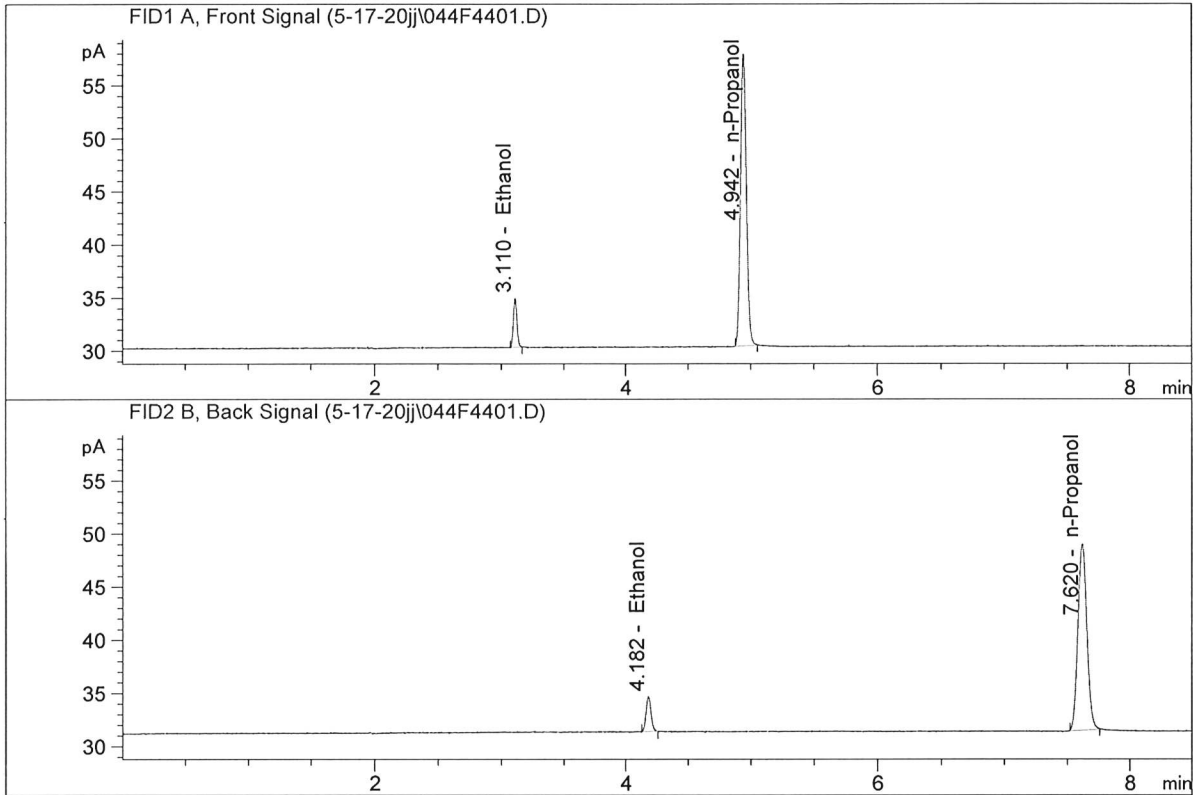


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 CHECK
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

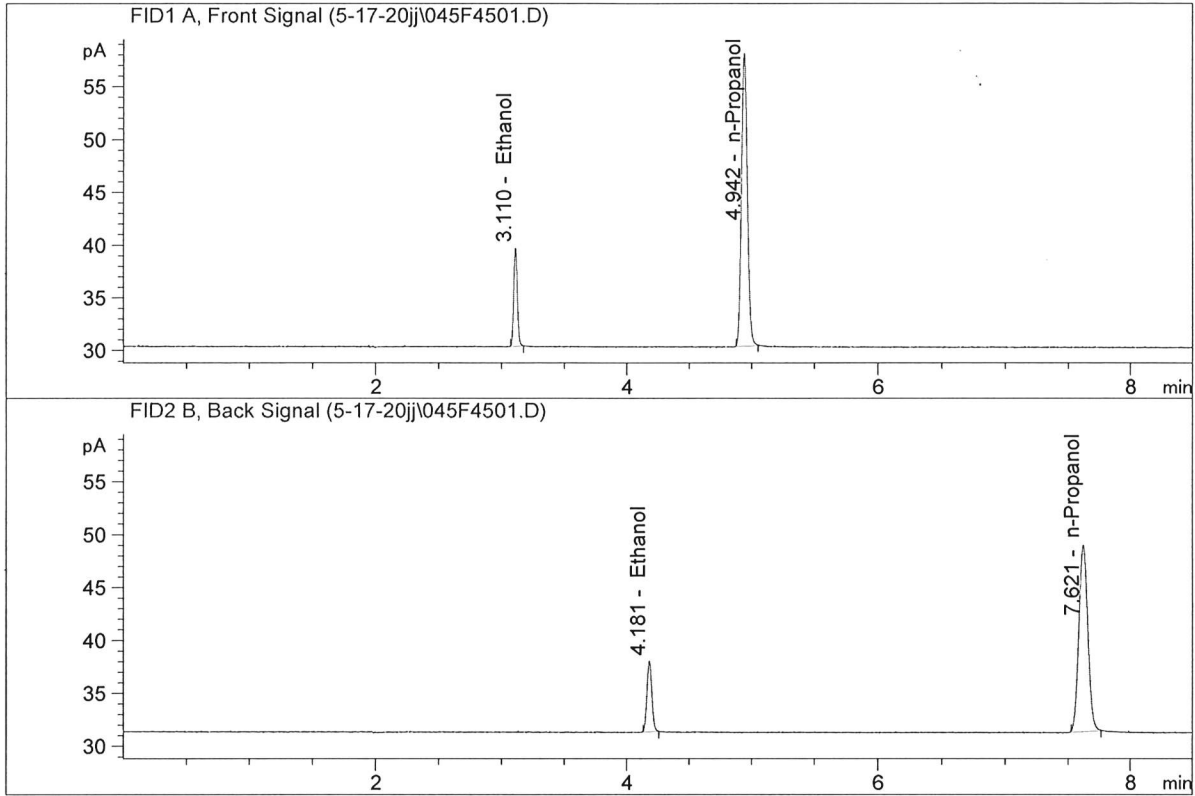


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.15423	0.0514	g/100cc
2.	Ethanol	Column 2:	9.14250	0.0510	g/100cc
3.	n-Propanol	Column 1:	90.19044	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.06733	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

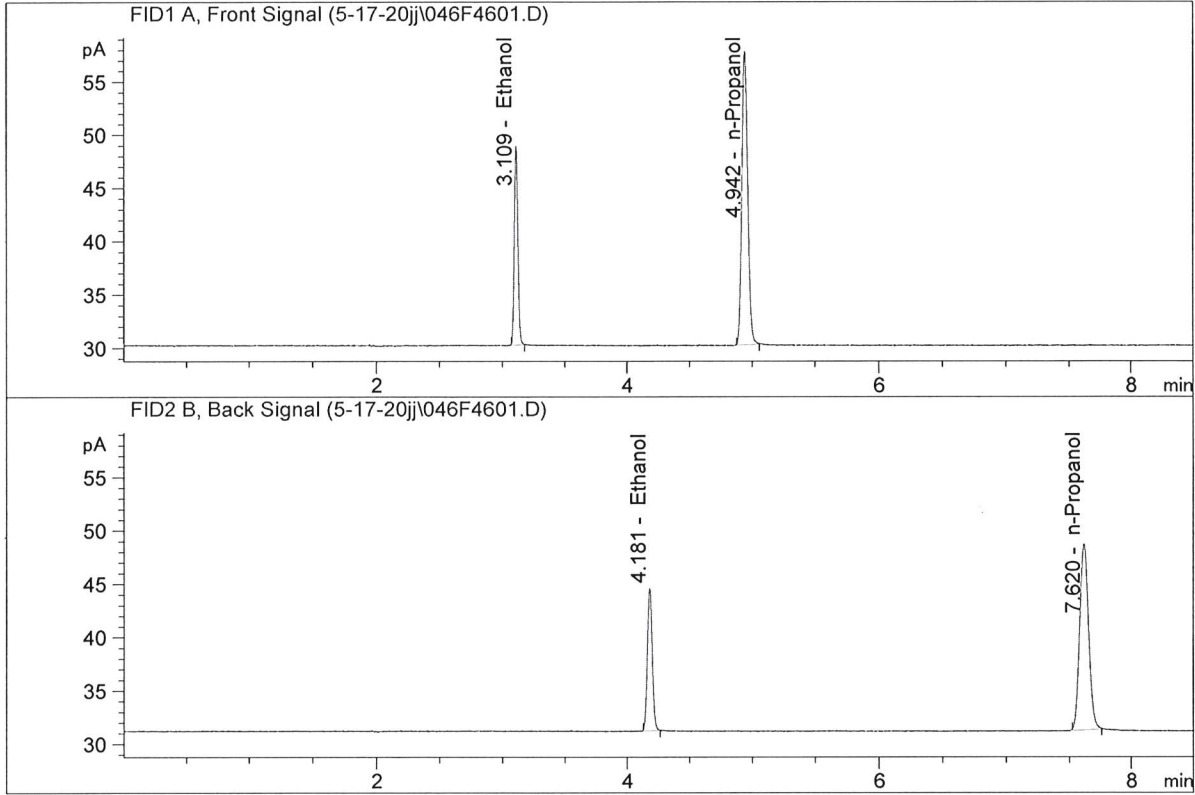


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.50255	0.1032	g/100cc
2.	Ethanol	Column 2:	18.45708	0.1020	g/100cc
3.	n-Propanol	Column 1:	90.84614	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.87326	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

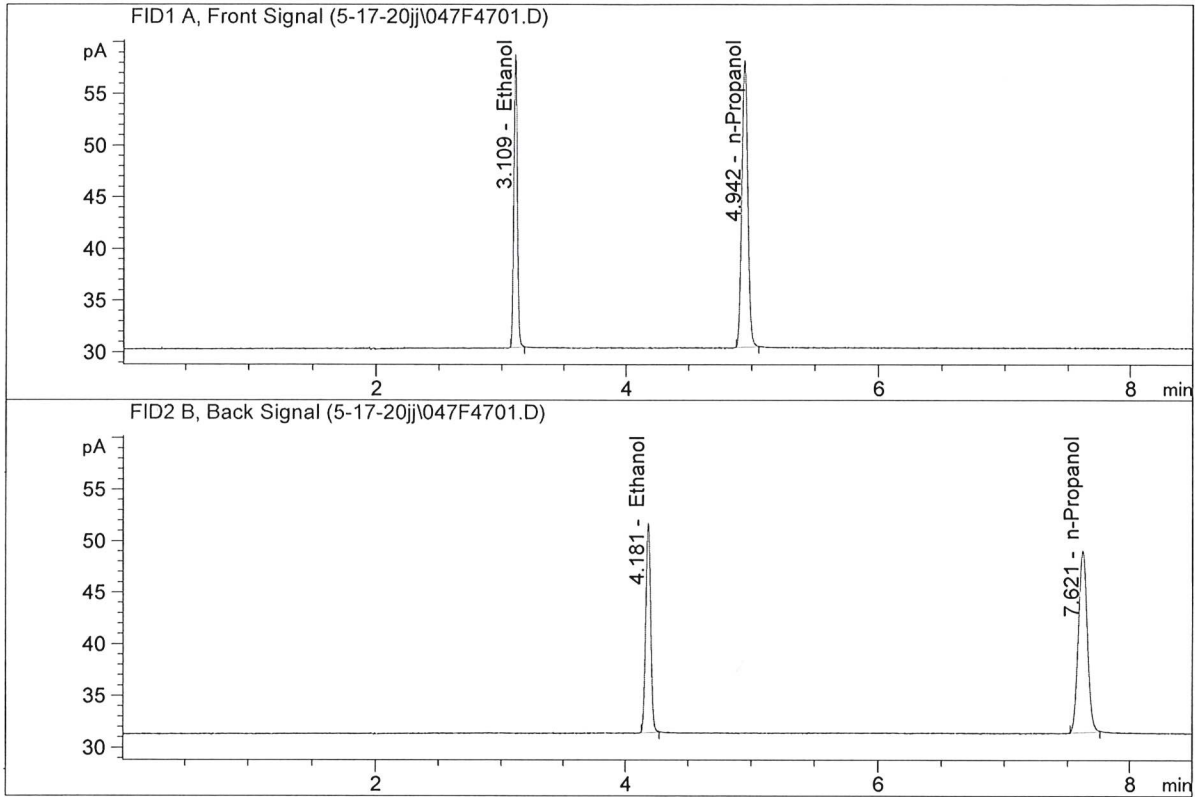


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.72697	0.2061	g/100cc
2.	Ethanol	Column 2:	36.75856	0.2053	g/100cc
3.	n-Propanol	Column 1:	90.30102	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.90143	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

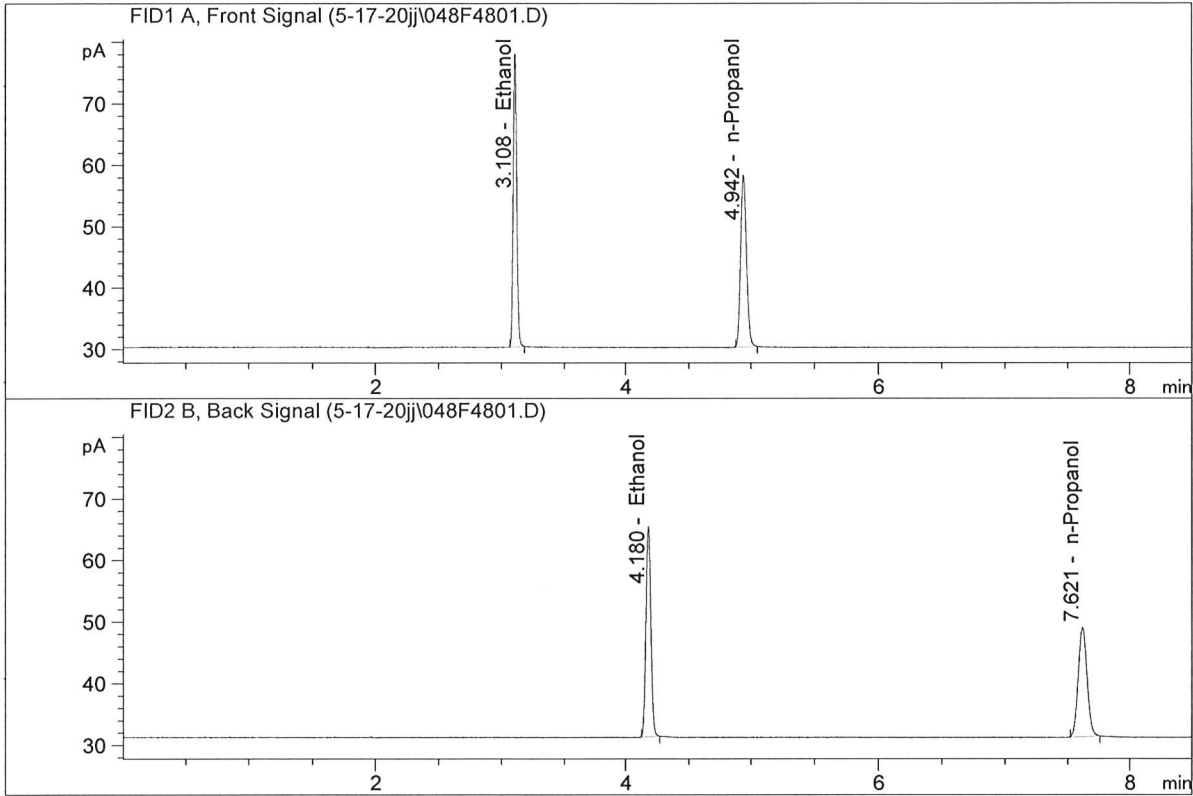
Sample Name : 0.300 CHECK
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.65417	0.3093	g/100cc
2.	Ethanol	Column 2:	55.74089	0.3085	g/100cc
3.	n-Propanol	Column 1:	91.19943	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.69510	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK
 Laboratory : Coeur d' Alene
 Injection Date : May 17, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.32396	0.5143	g/100cc
2.	Ethanol	Column 2:	93.63182	0.5148	g/100cc
3.	n-Propanol	Column 1:	91.96426	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.28941	1.0000	g/100cc

99