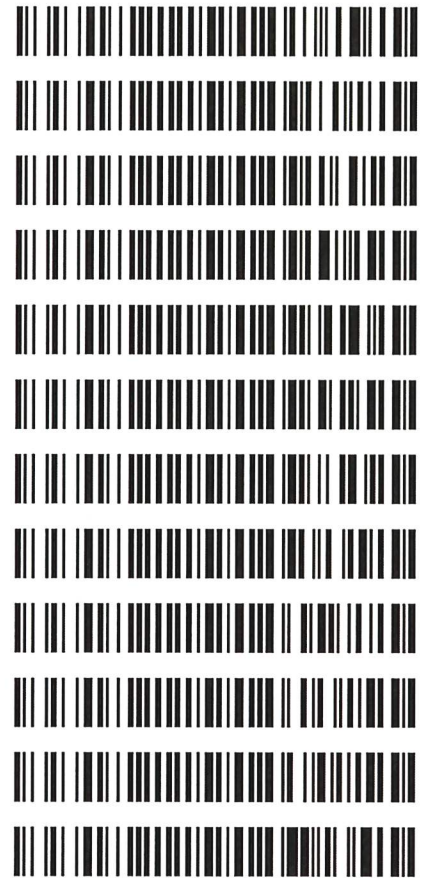


Worklist: 3991

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-0089	1	BCK	Alcohol Analysis
C2020-0157	1	BCK	Alcohol Analysis
C2020-0158	1	BCK	Alcohol Analysis
C2020-0161	1	BCK	Alcohol Analysis
C2020-0170	2	BCK	Alcohol Analysis
C2020-0173	1	BCK	Alcohol Analysis
C2020-0176	1	BCK	Alcohol Analysis
C2020-0185	1	BCK	Alcohol Analysis
C2020-0225	1	AVK	Alcohol Analysis
C2020-0237	1	BCK	Alcohol Analysis
C2020-0241	1	BCK	Alcohol Analysis
C2020-0267	1	BCK	Alcohol Analysis



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls Run Date(s): 2-11-20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0789 g/100cc g/100cc g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1975 g/100cc 0.2001 g/100cc g/100cc
Multi-Component mixture:		Lot #	Column 1	Column 2	OK
Curve Fit:			0.99999	FN06041502	1.00000

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0509	0.0502	0.0007	0.0505
100	0.100	0.090 - 0.110	0.1005	0.0990	0.0015	0.0997
200	0.200	0.180 - 0.220	0.2006	0.1987	0.0019	0.1996
300	0.300	0.270 - 0.330	0.3013	0.2997	0.0016	0.3005
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4988	0.5009	0.0021	0.4998

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 4:02 pm, Feb 13, 2020

99

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_11.02.2020_04.13.20\2-11-2020.S
 Data directory path: C:\Chem32\1\Data\2-11-20jj
 Logbook: C:\Chem32\1\Data\2-11-20jj\2-11-2020.LOG
 Sequence start: 2/11/2020 4:27:04 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	water-1	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-2(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-2(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09181807-	-	1.0000	007F0701.D		4
8	8	1	C2020-0089-1-A	-	1.0000	008F0801.D		6
9	9	1	C2020-0089-1-B	-	1.0000	009F0901.D		6
10	10	1	C2020-0157-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-0157-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-0158-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-0158-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-0161-1-A	-	1.0000	014F1401.D		4
15	15	1	C2020-0161-1-B	-	1.0000	015F1501.D		4
16	16	1	C2020-0170-1-A	-	1.0000	016F1601.D		6
17	17	1	C2020-0170-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-0173-1-A	-	1.0000	018F1801.D		4
19	19	1	C2020-0173-1-B	-	1.0000	019F1901.D		4
20	20	1	C2020-0176-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-0176-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-0185-1-A	-	1.0000	022F2201.D		6
23	23	1	C2020-0185-1-B	-	1.0000	023F2301.D		6
24	24	1	C2020-0225-1-A	-	1.0000	024F2401.D		2
25	25	1	C2020-0225-1-B	-	1.0000	025F2501.D		2
26	26	1	QC-1(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-1(1)-B	-	1.0000	027F2701.D		4
28	28	1	C2020-0237-1-A	-	1.0000	028F2801.D		2
29	29	1	C2020-0237-1-B	-	1.0000	029F2901.D		2
30	30	1	C2020-0241-1-A	-	1.0000	030F3001.D		4
31	31	1	C2020-0241-1-B	-	1.0000	031F3101.D		4
32	32	1	C2020-0267-1-A	-	1.0000	032F3201.D		4
33	33	1	C2020-0267-1-B	-	1.0000	033F3301.D		4
34	34	1	QC-2(2)-A	-	1.0000	034F3401.D		4
35	35	1	QC-2(2)-B	-	1.0000	035F3501.D		4
36	36	1	ISTD BLANK-2	-	1.0000	036F3601.D		2
37	37	1	water-2	-	1.0000	037F3701.D		0

2 2 99 2-12-20

99

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Calibration Table
=====

General Calibration Setting

Calib. Data Modified : Tuesday, February 11, 2020 4:03:17 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

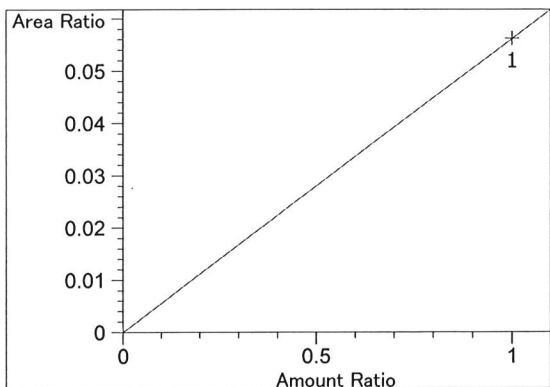
99

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No 2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No 1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No 1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No 1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No 2	Acetaldehyde
3.107	1	1	5.00000e-2	8.80370	5.67943e-3	No	No 1	Ethanol
		2	1.00000e-1	17.95266	5.57021e-3			
		3	2.00000e-1	35.85117	5.57862e-3			
		4	3.00000e-1	52.94275	5.66650e-3			
		5	5.00000e-1	90.67214	5.51437e-3			
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No 2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No 1	Isopropyl alcohol
4.178	2	1	5.00000e-2	8.74030	5.72062e-3	No	No 2	Ethanol
		2	1.00000e-1	17.68733	5.65377e-3			
		3	2.00000e-1	35.33393	5.66028e-3			
		4	3.00000e-1	52.30380	5.73572e-3			
		5	5.00000e-1	90.41725	5.52992e-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
4.940	1	1	1.00000	90.33268	1.10702e-2	No	Yes 1	n-Propanol
		2	1.00000	93.25011	1.07238e-2			
		3	1.00000	93.28976	1.07193e-2			
		4	1.00000	91.71856	1.09029e-2			
		5	1.00000	94.87799	1.05399e-2			
7.617	2	1	1.00000	88.99300	1.12368e-2	No	Yes 2	n-Propanol
		2	1.00000	91.41130	1.09396e-2			
		3	1.00000	90.97267	1.09923e-2			
		4	1.00000	89.28068	1.12006e-2			
		5	1.00000	92.33392	1.08303e-2			

Peak Sum Table

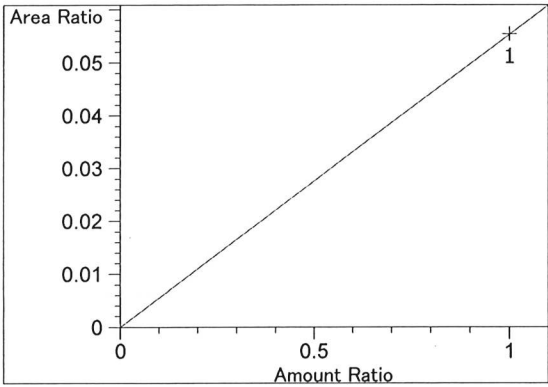
No Entries in table

Calibration Curves

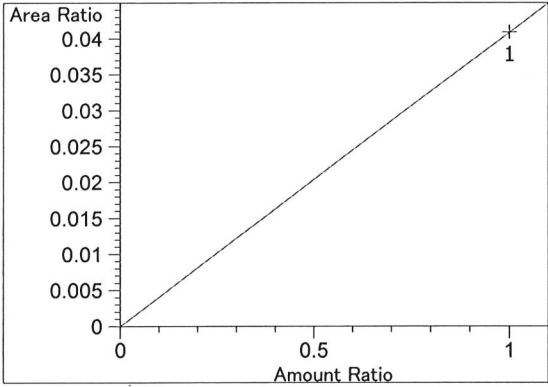


Difluoroethane at exp. RT: 2.000
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 5.61842e-2
 x: Amount Ratio
 y: Area Ratio

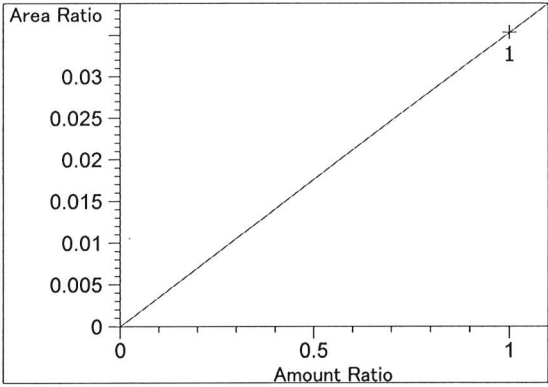
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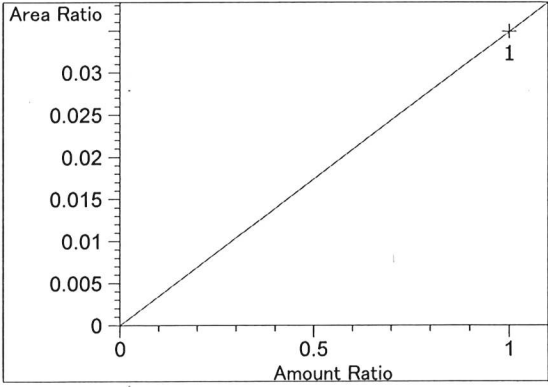
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 5.53510e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 4.09231e-2
x: Amount Ratio
y: Area Ratio

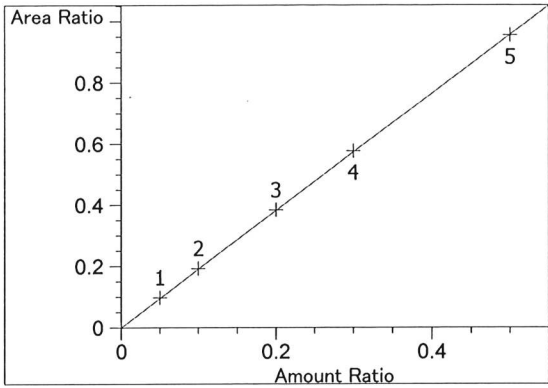


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.53483e-2
x: Amount Ratio
y: Area Ratio

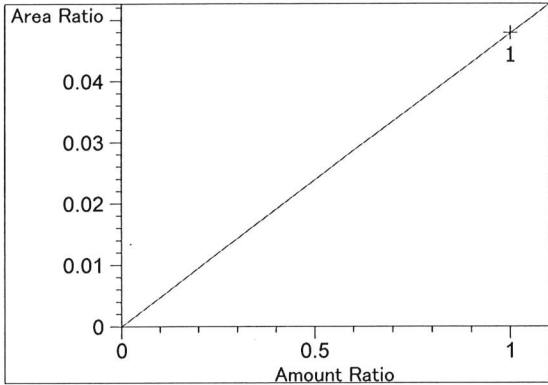


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 3.48988e-2
x: Amount Ratio
y: Area Ratio

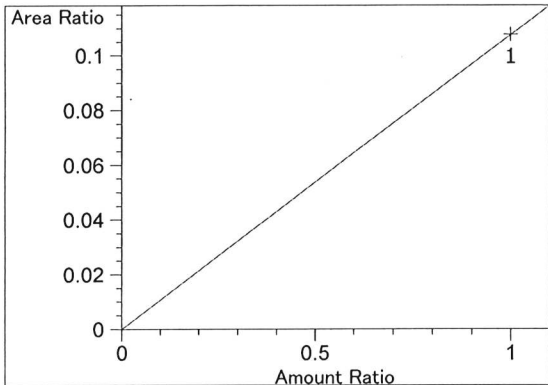
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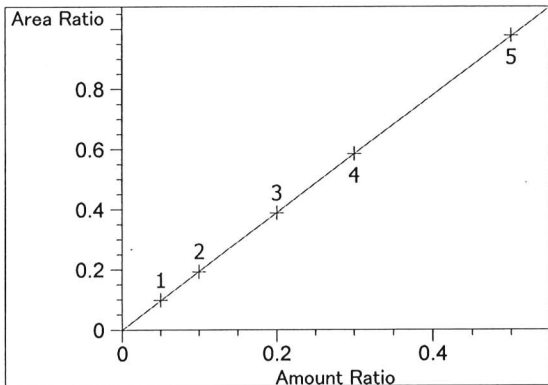
Ethanol at exp. RT: 3.107
 FID1 A, Front Signal
 Correlation: 0.99999 ✓
 Residual Std. Dev.: 0.00201
 Formula: $y = mx$
 m: 1.91590
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.211
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 4.78760e-2
 x: Amount Ratio
 y: Area Ratio

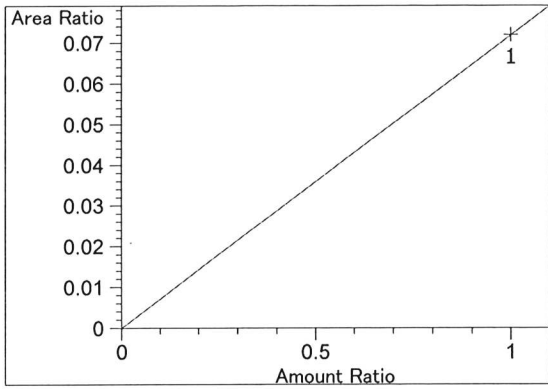


Isopropyl alcohol at exp. RT: 3.715
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.07719e-1
 x: Amount Ratio
 y: Area Ratio

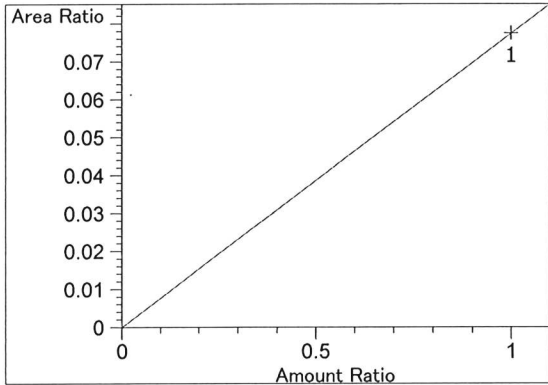


Ethanol at exp. RT: 4.178
 FID2 B, Back Signal
 Correlation: 1.00000 ✓
 Residual Std. Dev.: 0.00190
 Formula: $y = mx$
 m: 1.95493
 x: Amount Ratio
 y: Area Ratio

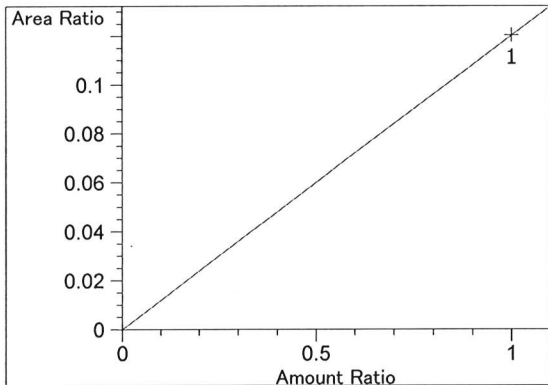
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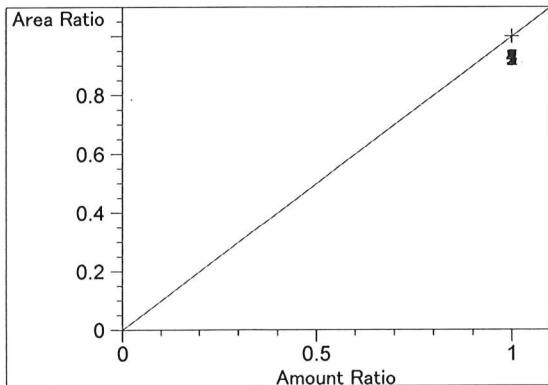
Acetone at exp. RT: 4.530
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.19496e-2
 x: Amount Ratio
 y: Area Ratio



Acetone at exp. RT: 4.549
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 7.74556e-2
 x: Amount Ratio
 y: Area Ratio

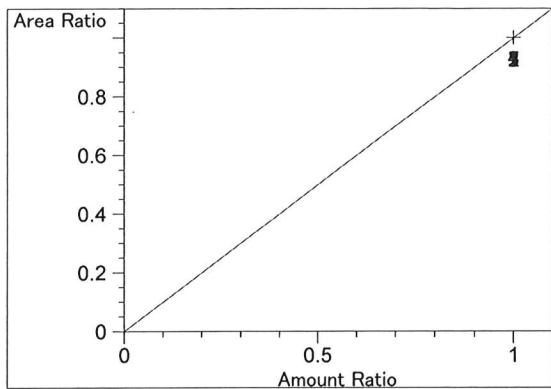


Isopropyl alcohol at exp. RT: 4.870
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.20306e-1
 x: Amount Ratio
 y: Area Ratio



n-Propanol at exp. RT: 4.940
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.00000
 x: Amount Ratio
 y: Area Ratio

99



n-Propanol at exp. RT: 7.617
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio

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

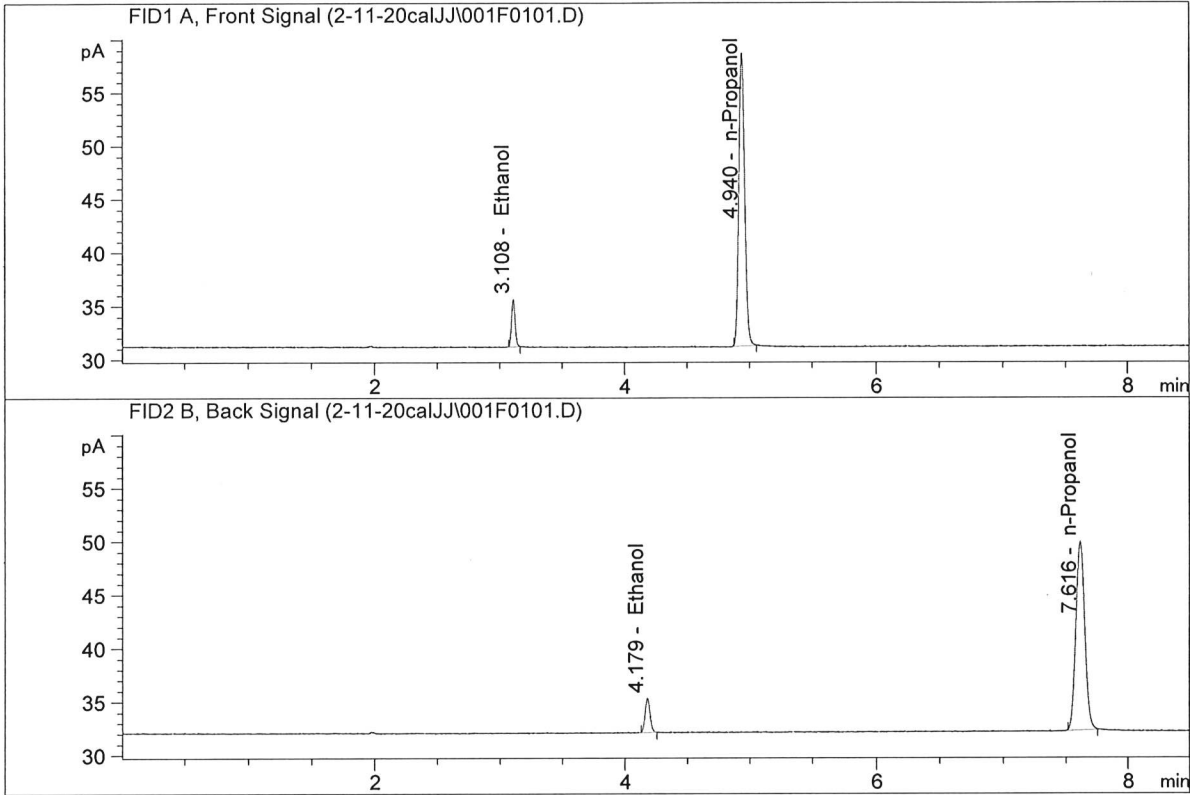
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 Data directory path: C:\Chem32\1\Data\2-11-20calJJ
 Logbook: C:\Chem32\1\Data\2-11-20calJJ\2-11-20cal.LOG
 Sequence start: 2/11/2020 2:58:31 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	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 : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

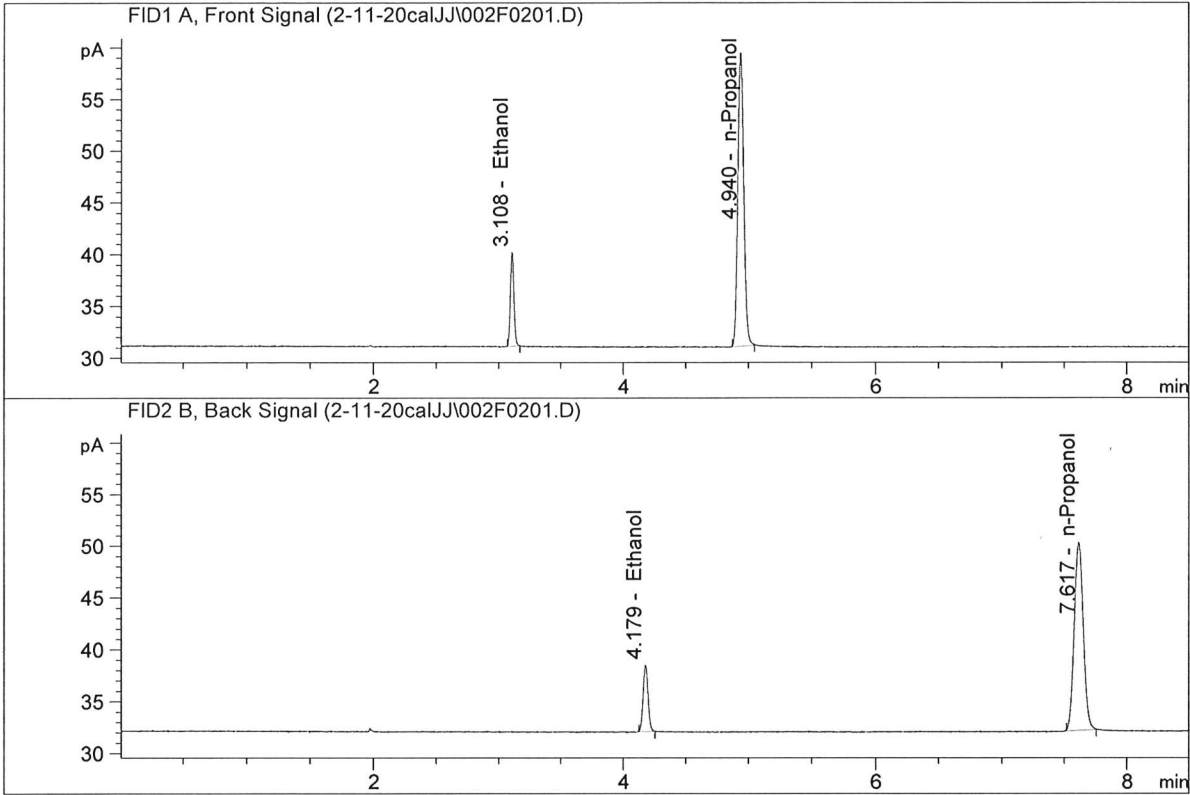


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.80370	0.0509	g/100cc
2.	Ethanol	Column 2:	8.74030	0.0502	g/100cc
3.	n-Propanol	Column 1:	90.33268	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.99300	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

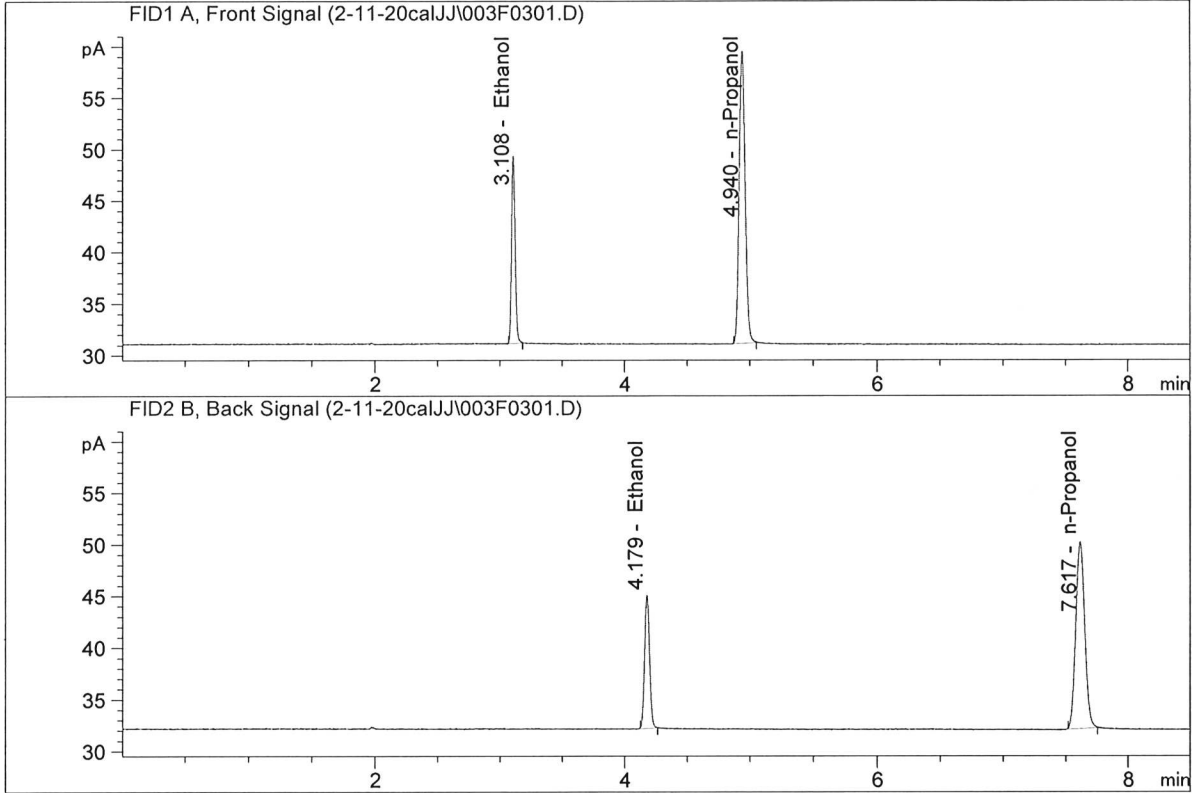


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.95266	0.1005	g/100cc
2.	Ethanol	Column 2:	17.68733	0.0990	g/100cc
3.	n-Propanol	Column 1:	93.25011	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.41130	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

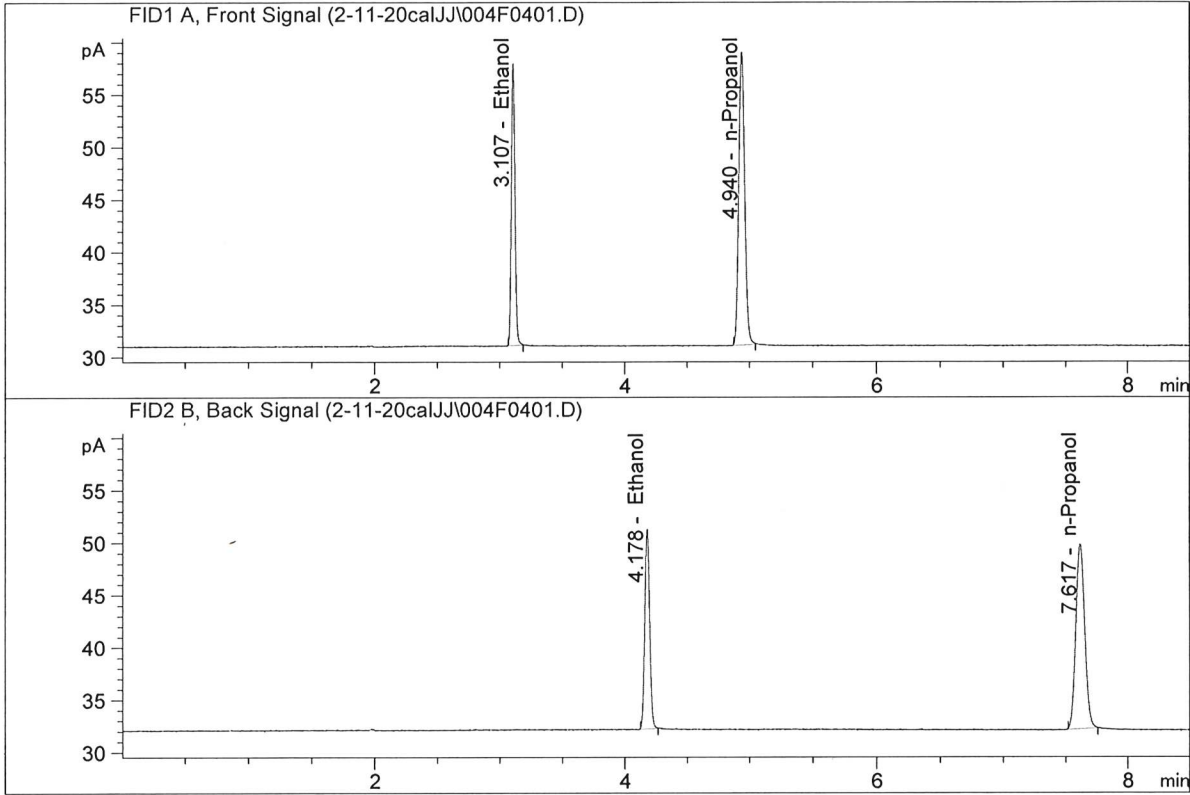


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.85117	0.2006	g/100cc
2.	Ethanol	Column 2:	35.33393	0.1987	g/100cc
3.	n-Propanol	Column 1:	93.28976	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.97267	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

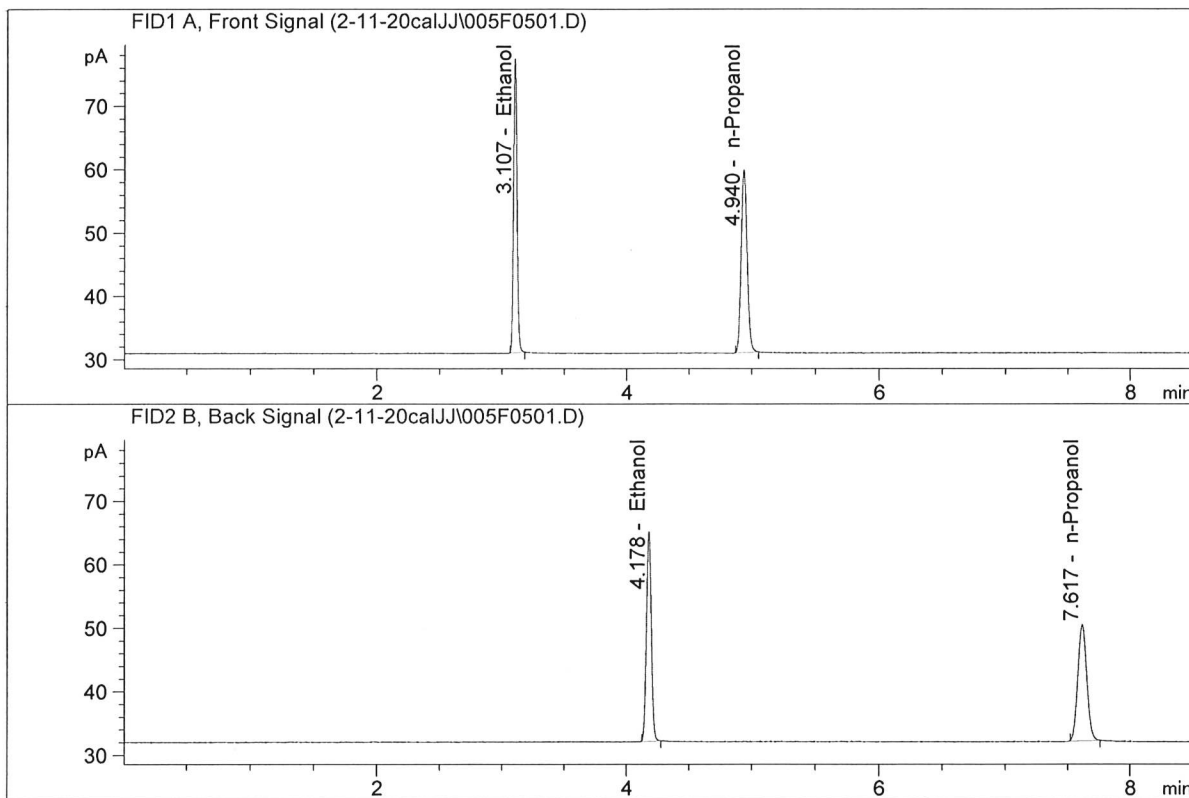


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	52.94275	0.3013	g/100cc
2.	Ethanol	Column 2:	52.30380	0.2997	g/100cc
3.	n-Propanol	Column 1:	91.71856	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.28068	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

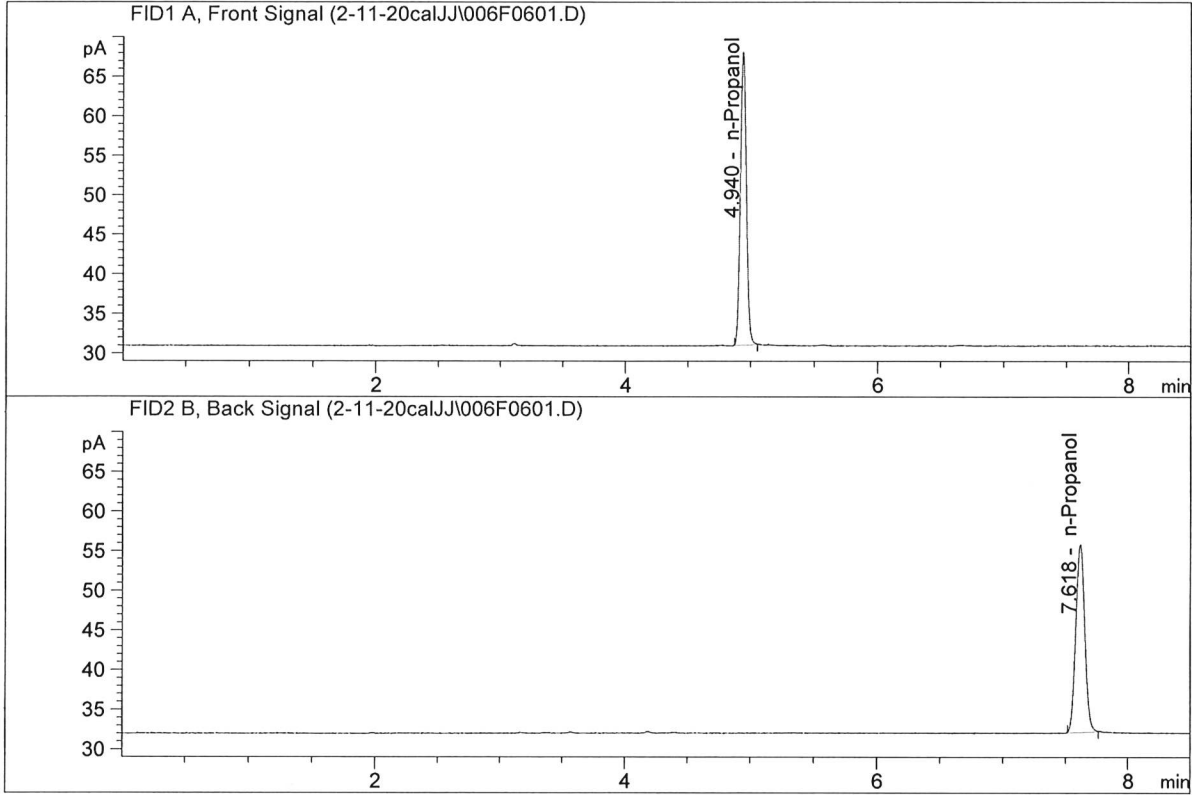


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.67214	0.4988	g/100cc
2.	Ethanol	Column 2:	90.41725	0.5009	g/100cc
3.	n-Propanol	Column 1:	94.87799	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.33392	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

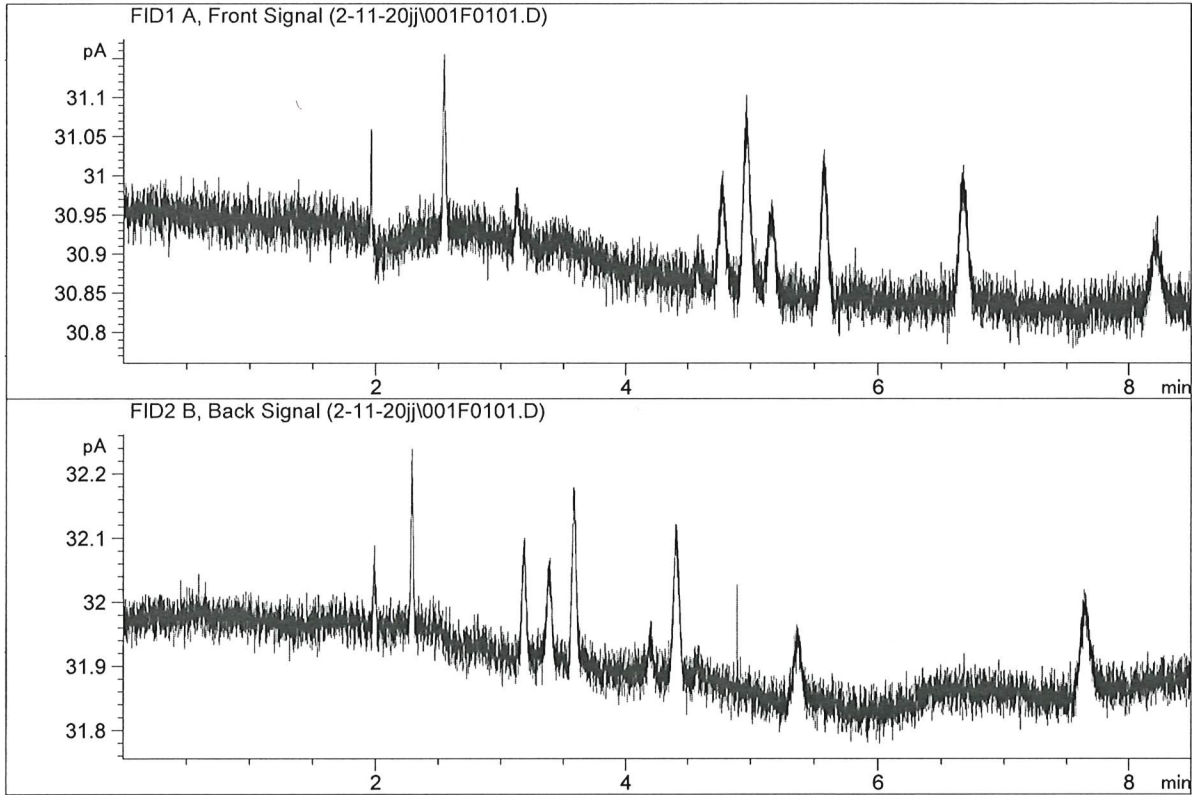


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	121.54596	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.70576	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

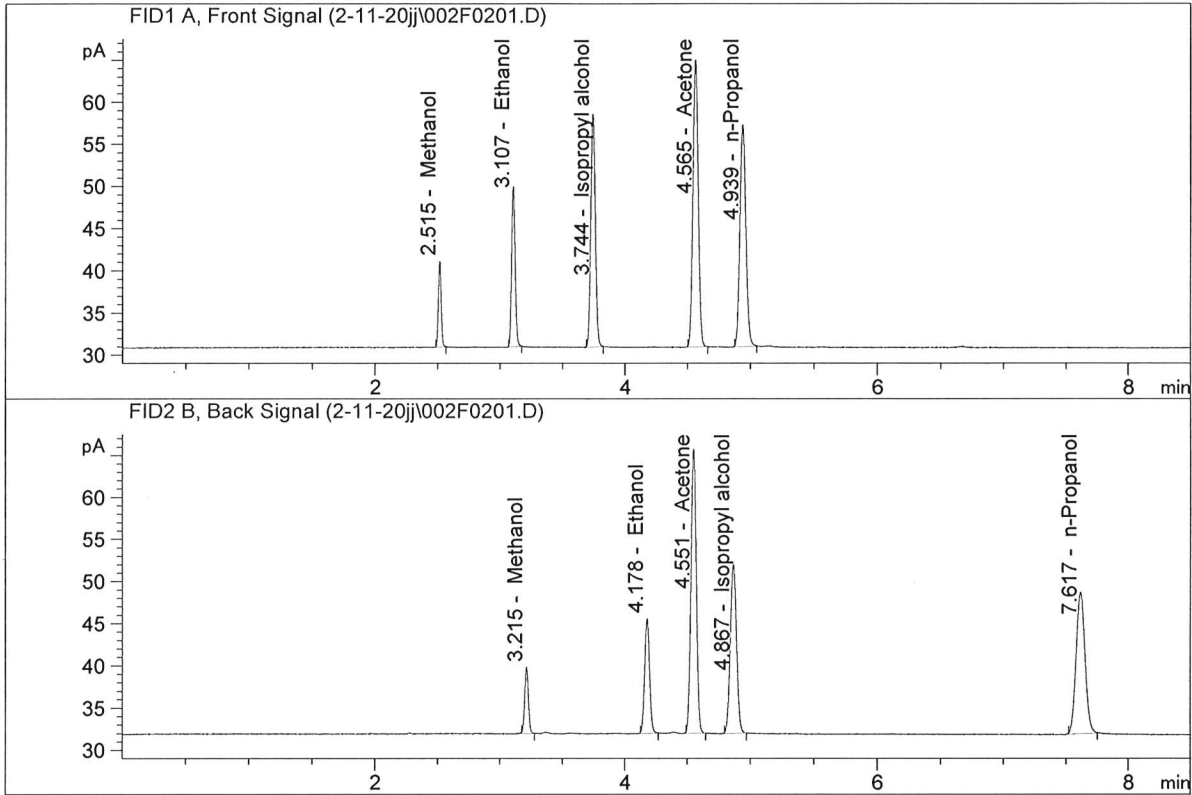


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-06041502
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

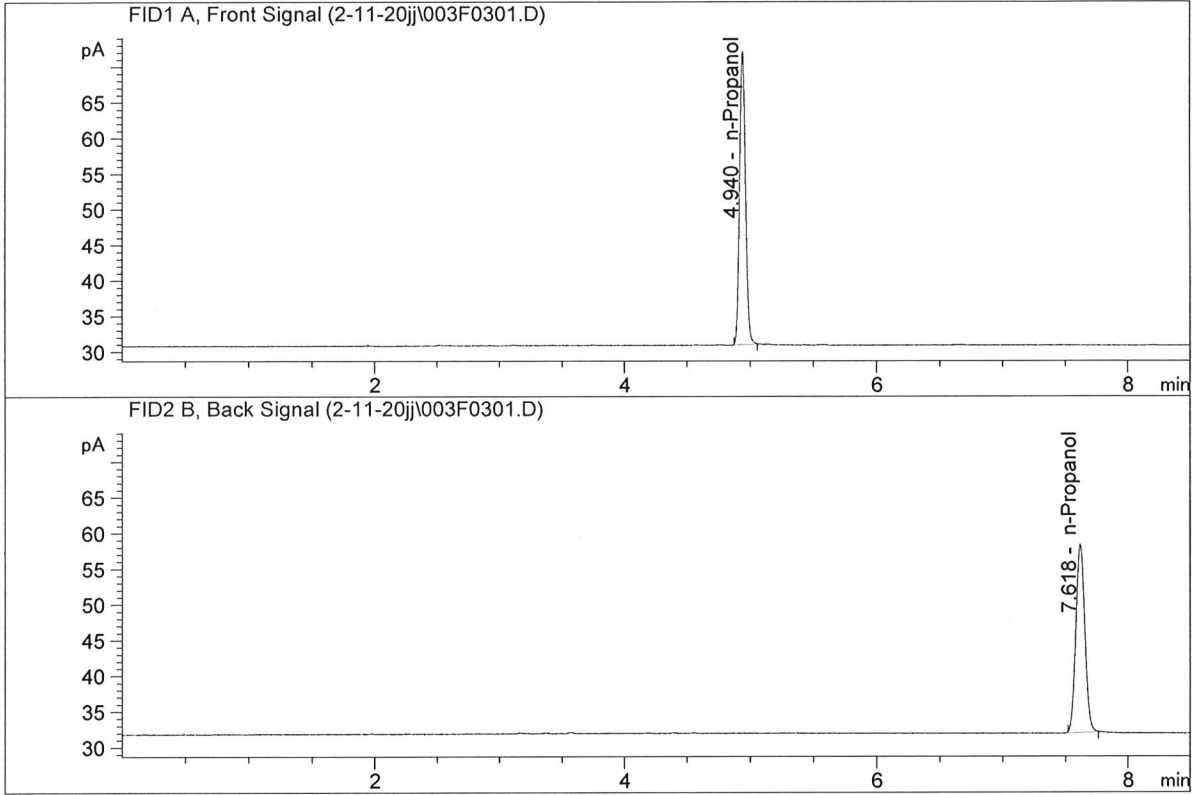


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.33954	0.2263	g/100cc
2.	Ethanol	Column 2:	37.30470	0.2265	g/100cc
3.	n-Propanol	Column 1:	86.11335	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.23434	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 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:	134.30696	1.0000	g/100cc
4.	n-Propanol	Column 2:	132.63376	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)

Analysis Date(s): 11 Feb 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1959	0.1971	0.0012	0.1965	0.0020	0.1975
(g/100cc)	0.1981	0.1990	0.0009	0.1985		

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.

99

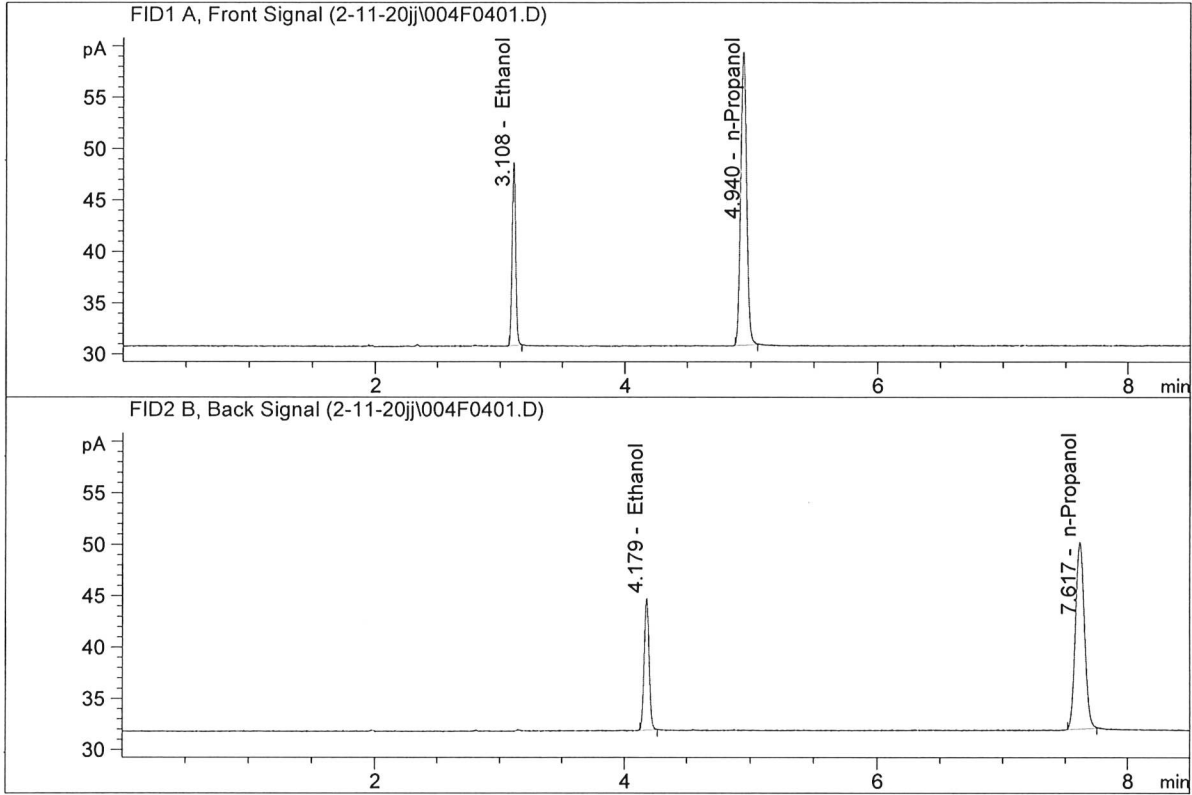
Revision: 2

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 : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

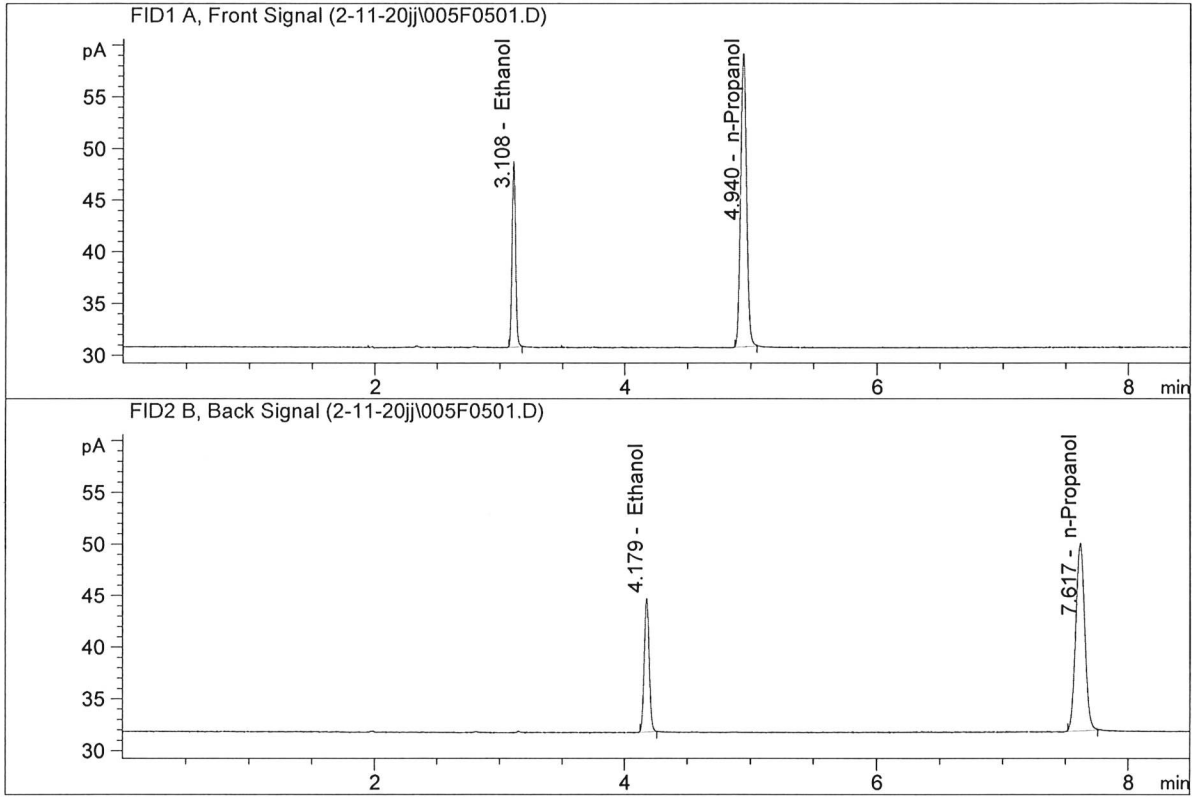


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.04131	0.1959	g/100cc
2.	Ethanol	Column 2:	35.31134	0.1971	g/100cc
3.	n-Propanol	Column 1:	93.34554	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.63917	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.30833	0.1981	g/100cc
2.	Ethanol	Column 2:	35.57891	0.1990	g/100cc
3.	n-Propanol	Column 1:	93.02780	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.43951	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 11 Feb 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0816	0.0007	0.0812	0.0008	0.0808
(g/100cc)	0.0804	0.0804	0.0000	0.0804		

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.

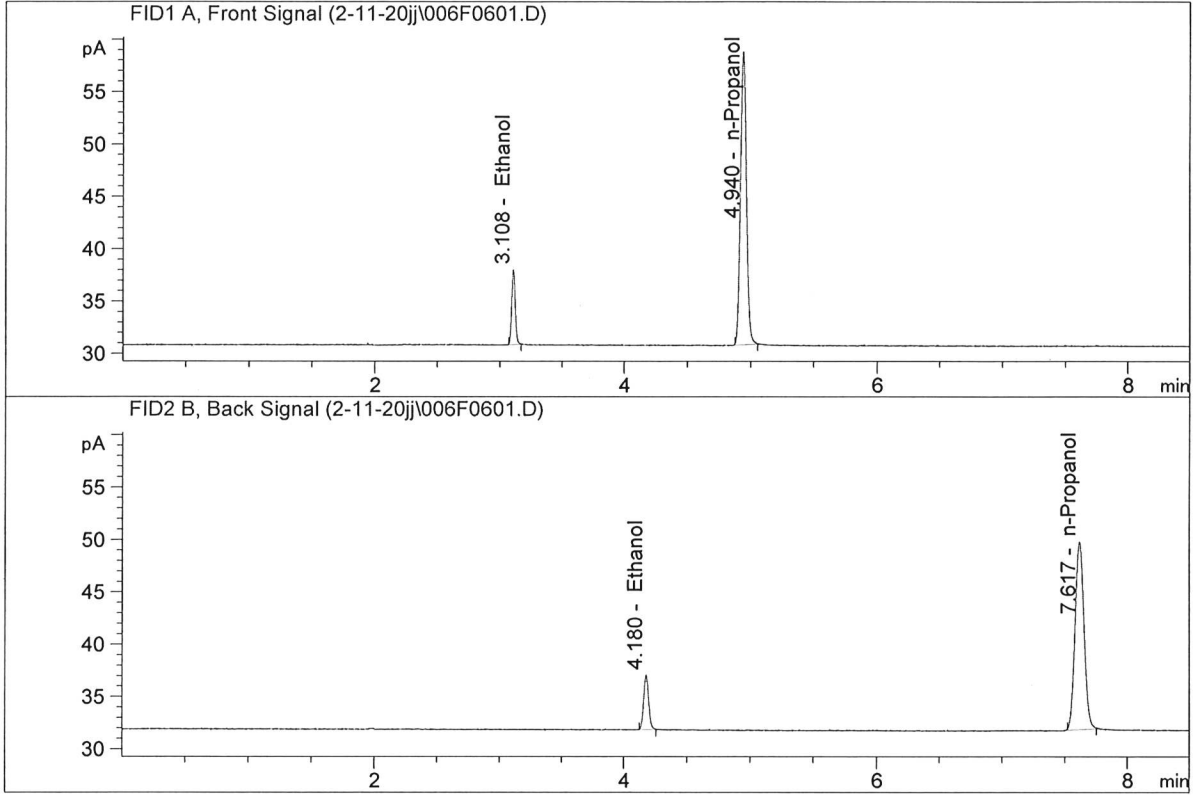
Revision: 2

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 : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

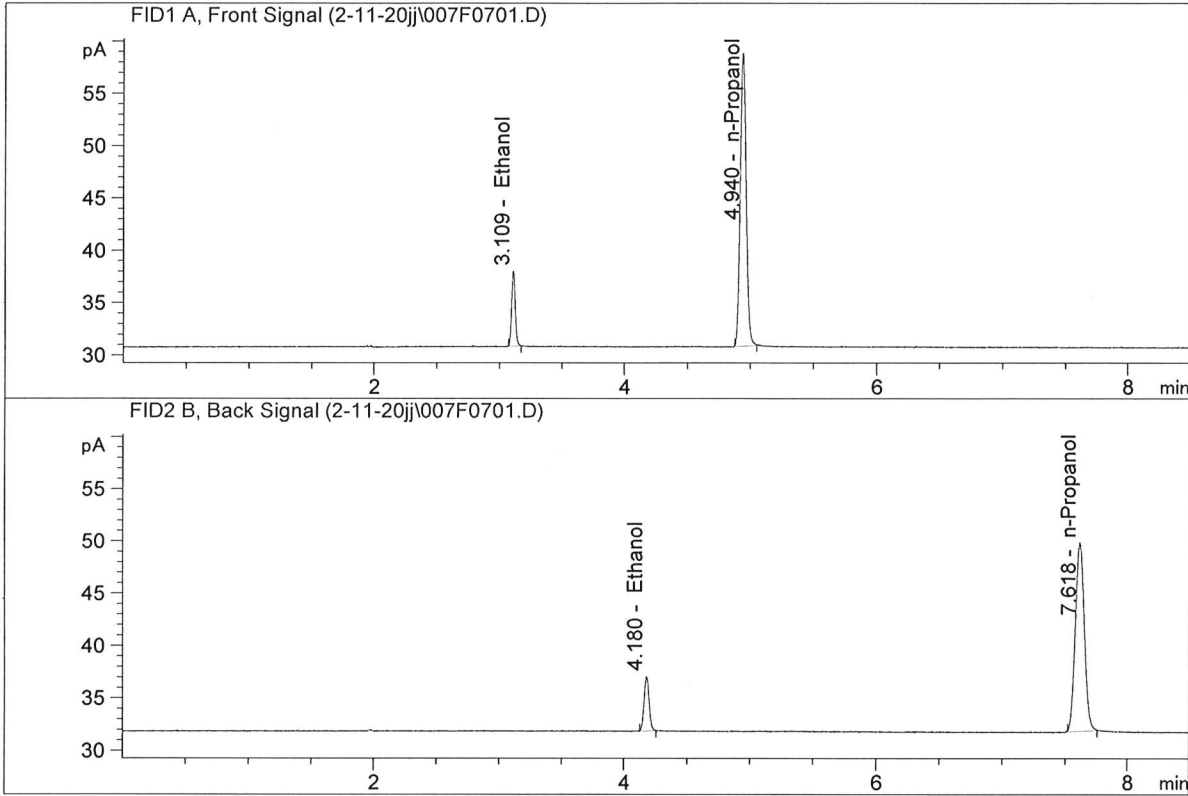


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.20255	0.0809	g/100cc
2.	Ethanol	Column 2:	14.37792	0.0816	g/100cc
3.	n-Propanol	Column 1:	91.62759	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.15639	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.14911	0.0804	g/100cc
2.	Ethanol	Column 2:	14.22559	0.0804	g/100cc
3.	n-Propanol	Column 1:	91.79874	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.50738	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 11 Feb 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0792	0.0000	0.0792	0.0006	0.0789
(g/100cc)	0.0786	0.0787	0.0001	0.0786		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

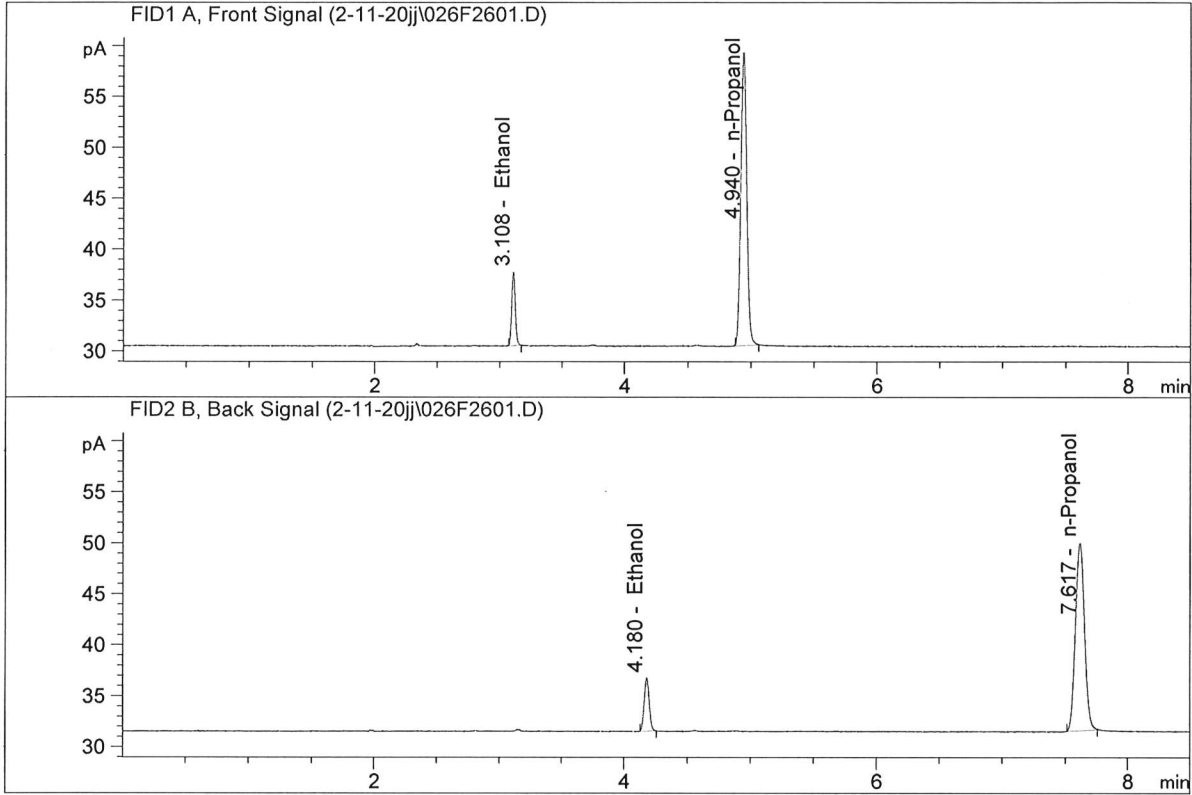
Revision: 2

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 : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

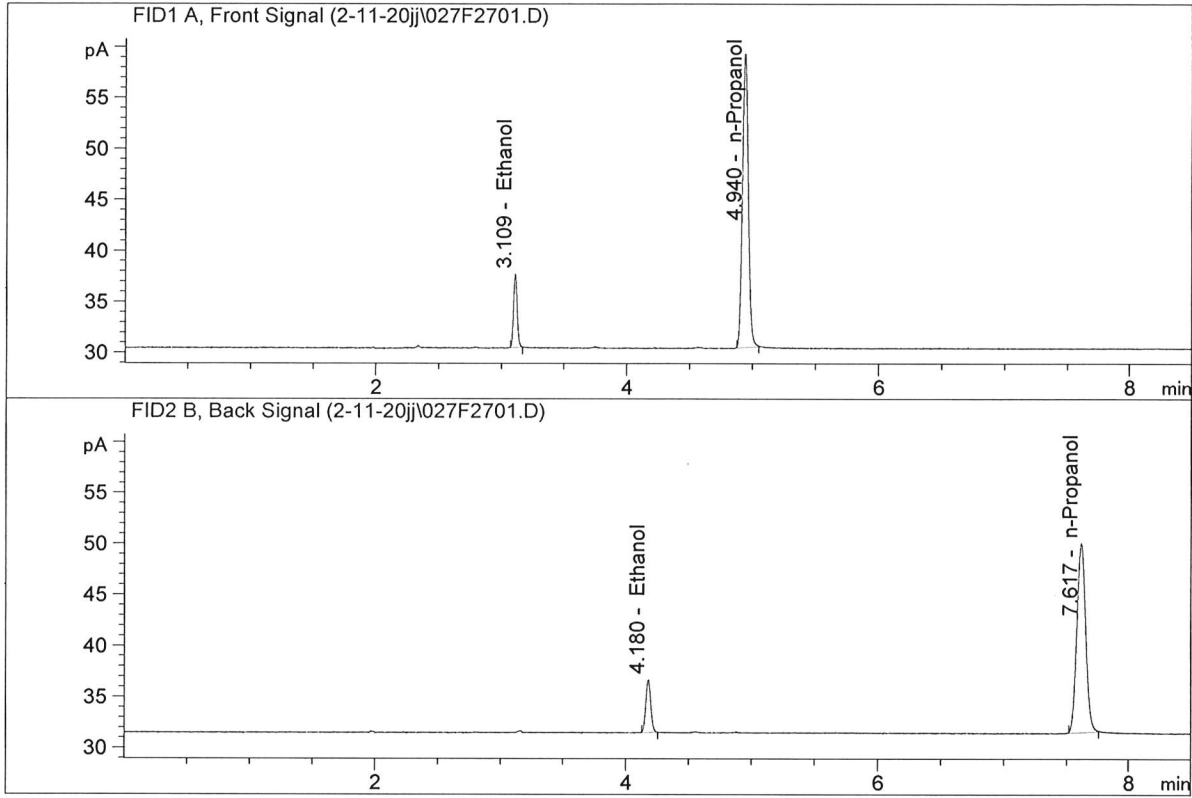


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.35710	0.0792	g/100cc
2.	Ethanol	Column 2:	14.40687	0.0792	g/100cc
3.	n-Propanol	Column 1:	94.62157	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.99878	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.22544	0.0786	g/100cc
2.	Ethanol	Column 2:	14.32408	0.0787	g/100cc
3.	n-Propanol	Column 1:	94.45714	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.04945	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2)

Analysis Date(s): 11 Feb 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1994	0.2004	0.0010	0.1999	0.0004	0.2001
(g/100cc)	0.2001	0.2006	0.0005	0.2003		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

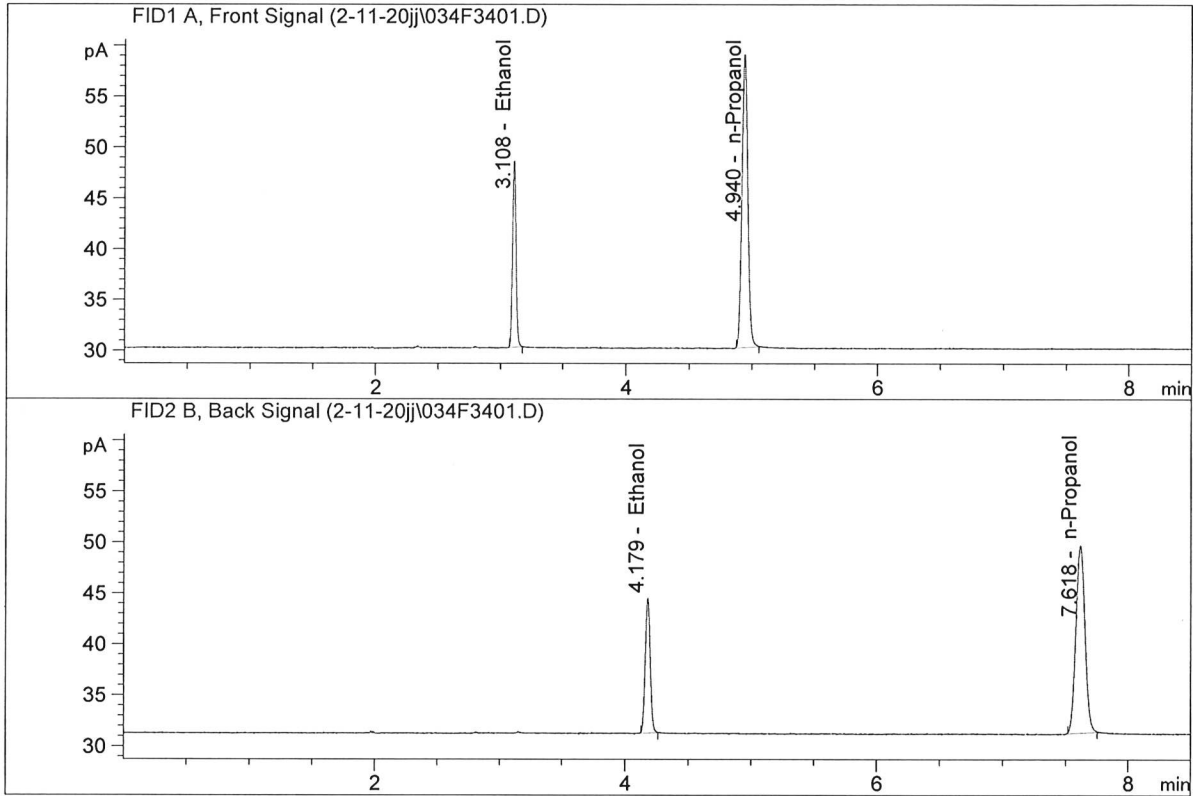
Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

Reported Result
0.200

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

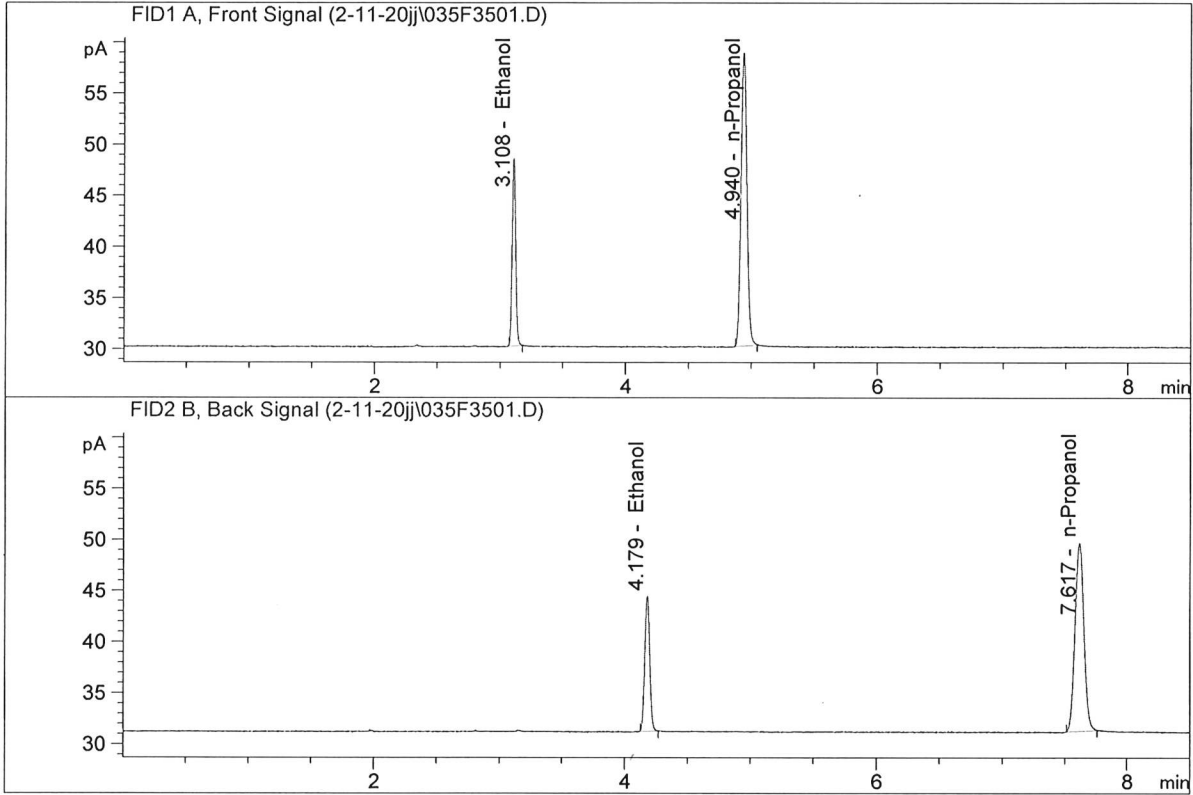


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.09968	0.1994	g/100cc
2.	Ethanol	Column 2:	36.33600	0.2004	g/100cc
3.	n-Propanol	Column 1:	94.47739	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.74684	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

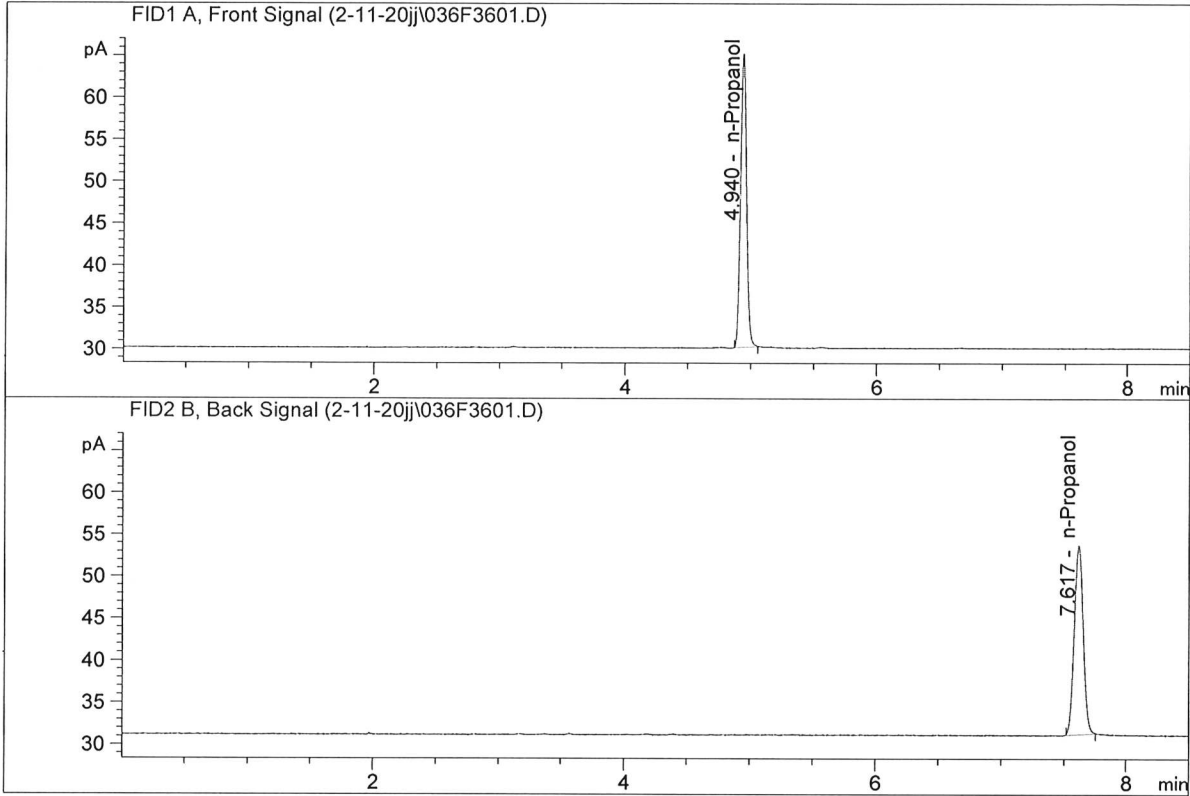


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.09992	0.2001	g/100cc
2.	Ethanol	Column 2:	36.37114	0.2006	g/100cc
3.	n-Propanol	Column 1:	94.17984	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.76796	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

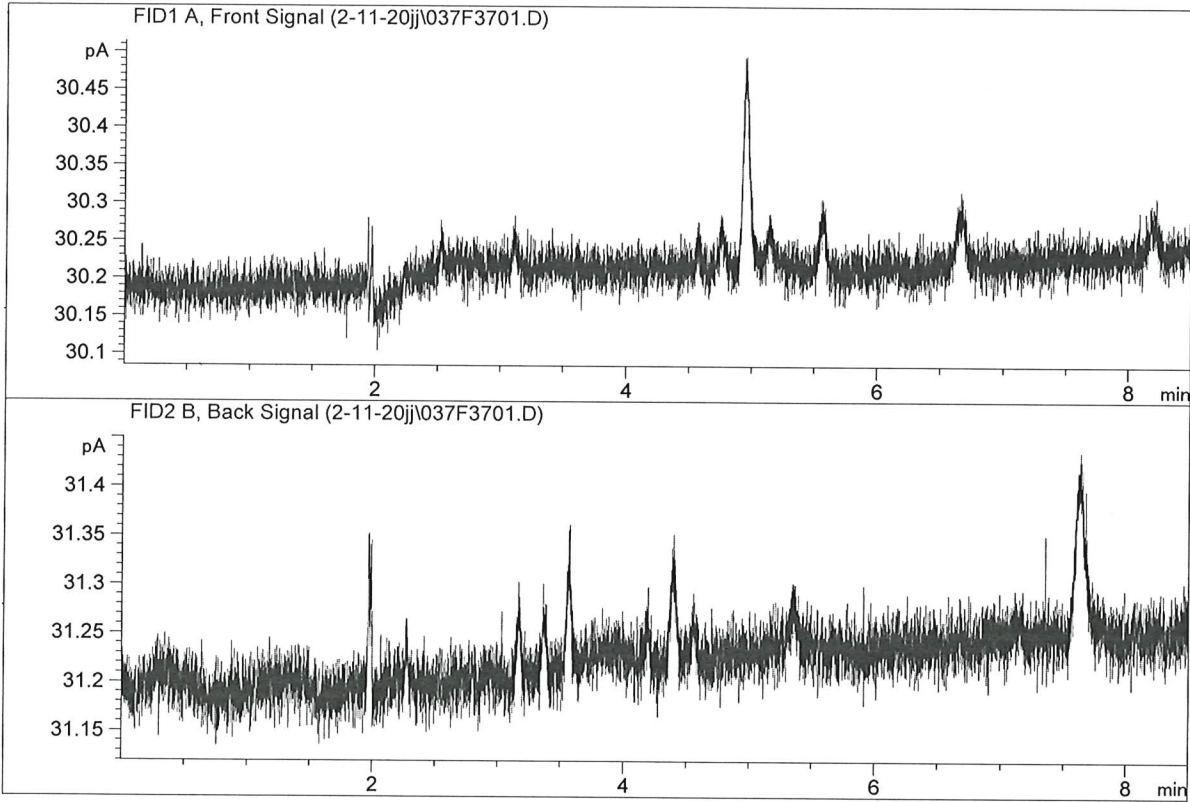


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	114.73042	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.38541	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
 Laboratory : Coeur d' Alene
 Injection Date : Feb 11, 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