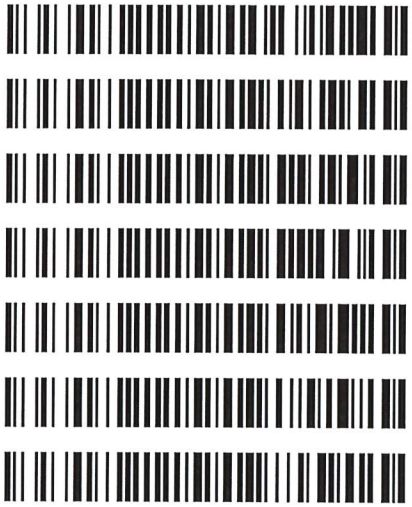
10/5/2020

Worklist: 4554

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-1768	1	BCK	BATS Proficiency Test
C2020-1890	1	BCK	Alcohol Analysis
C2020-1904	1	BCK	Alcohol Analysis
C2020-1906	1	BCK	Alcohol Analysis
C2020-1915	1	BCK	Alcohol Analysis
C2020-1919	1	BCK	Alcohol Analysis
C2020-1936	1	BCK	Alcohol Analysis



REVIEWED
By Galina Giso at 10:14 am, Oct 06, 2020

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 10-04-20**

worklist #4554

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0773 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1966 g/100cc
					0.1978 g/100cc
					g/100cc

Multi-Component mixture:	**Jul-22**	**Lot #**	FN07101701		OK
Curve Fit:	**Column 1**	0.99999	**Column2**		0.99997

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0496	0.0484	0.0012	0.049
100	0.100	0.090 - 0.110	0.0988	0.0971	0.0017	0.0979
200	0.200	0.180 - 0.220	0.2021	0.2004	0.0017	0.2012
300	0.300	0.270 - 0.330	0.2980	0.2978	0.0002	0.2979
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5007	0.5019	0.0012	0.5013

Aqueous Controls

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Sunday, October 04, 2020 5:38:21 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

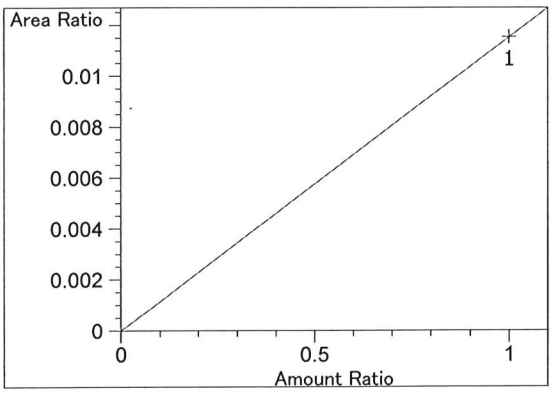
Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.165	2	1	1.00000	1.06794	9.36380e-1	No	No	2	Difluoroethane
2.213	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.111	1	1	5.00000e-2	9.01447	5.54663e-3	No	No	1	Ethanol
		2	1.00000e-1	18.61416	5.37225e-3				
		3	2.00000e-1	36.59107	5.46581e-3				
		4	3.00000e-1	55.22166	5.43265e-3				
		5	5.00000e-1	90.73392	5.51062e-3				
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.185	2	1	5.00000e-2	8.87319	5.63496e-3	No	No	2	Ethanol
		2	1.00000e-1	18.44097	5.42271e-3				
		3	2.00000e-1	36.39429	5.49537e-3				
		4	3.00000e-1	55.22398	5.43242e-3				
		5	5.00000e-1	90.78604	5.50745e-3				
4.567	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.581	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.947	1	1	1.00000	94.48810	1.05833e-2	No	Yes	1	n-Propanol
		2	1.00000	97.88249	1.02163e-2				
		3	1.00000	94.11966	1.06248e-2				
		4	1.00000	96.32687	1.03813e-2				
		5	1.00000	94.19483	1.06163e-2				
7.630	2	1	1.00000	92.51981	1.08085e-2	No	Yes	2	n-Propanol
		2	1.00000	95.85931	1.04320e-2				
		3	1.00000	91.68138	1.09073e-2				
		4	1.00000	93.60607	1.06831e-2				
		5	1.00000	91.29858	1.09531e-2				

Peak Sum Table

No Entries in table

Calibration Curves



Difluoroethane at exp. RT: 2.165
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.15428e-2
x: Amount Ratio
y: Area Ratio

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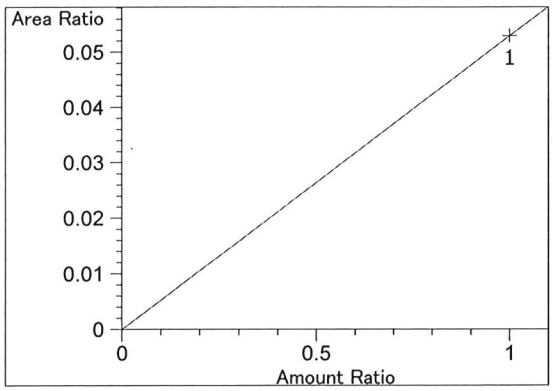
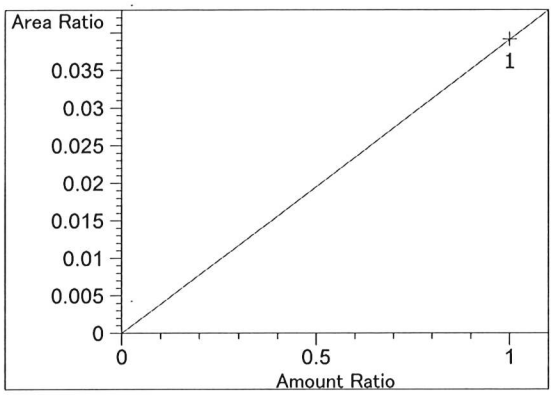
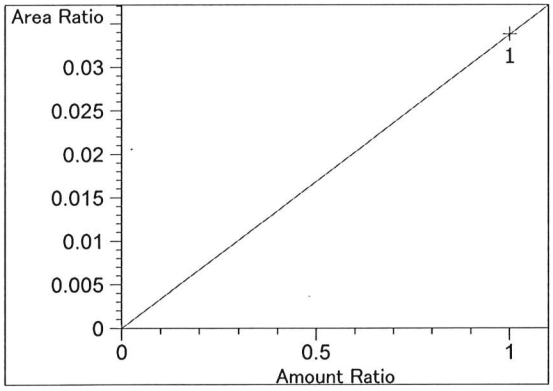


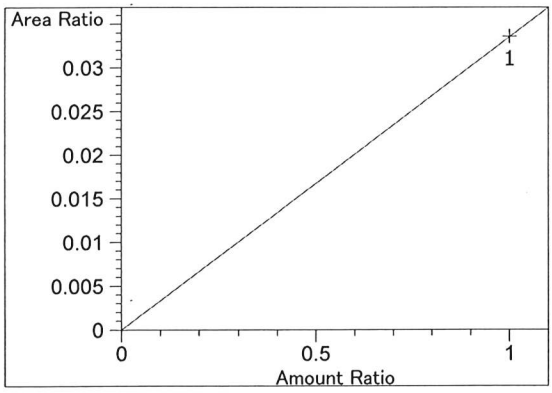
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.29167e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.91234e-2
x: Amount Ratio
y: Area Ratio

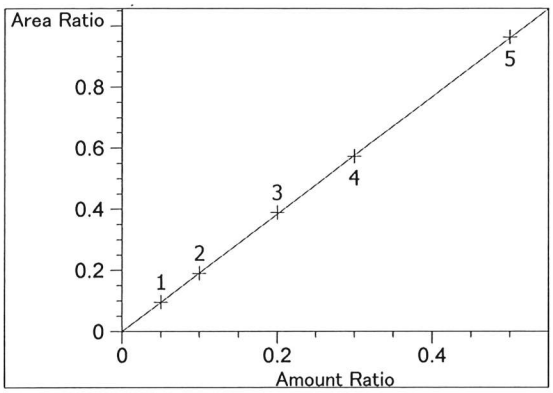


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.37938e-2
x: Amount Ratio
y: Area Ratio

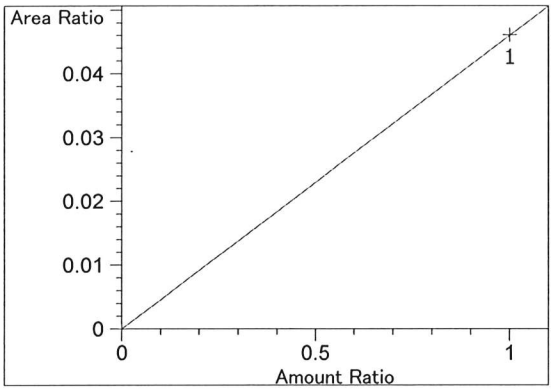


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.35685e-2
x: Amount Ratio
y: Area Ratio

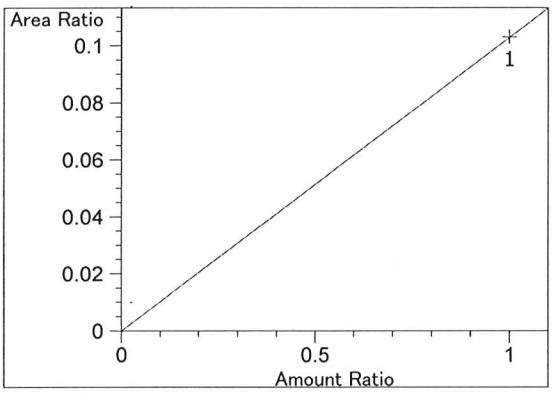
99



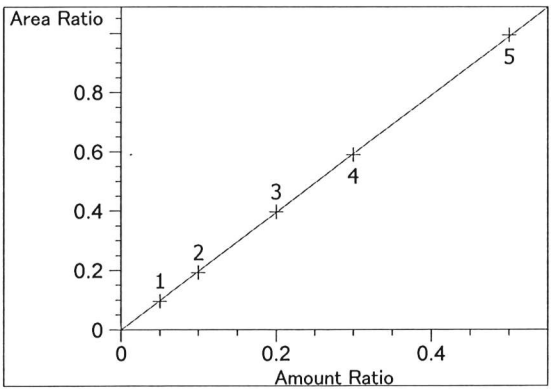
Ethanol at exp. RT: 3.111
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00310
Formula: y = mx
m: 1.92396
x: Amount Ratio
y: Area Ratio



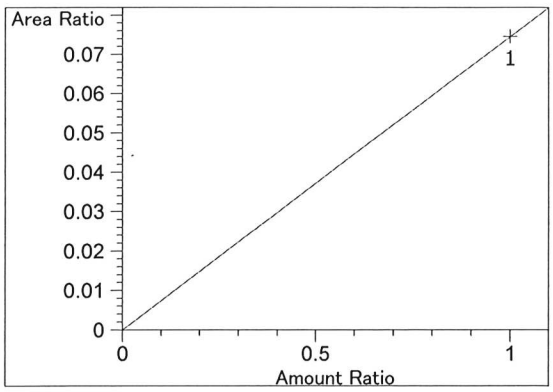
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.60509e-2
x: Amount Ratio
y: Area Ratio



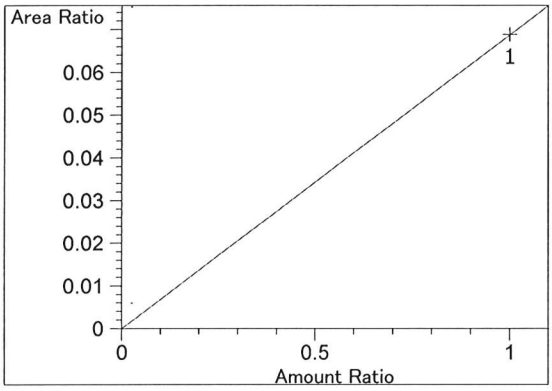
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.02982e-1
x: Amount Ratio
y: Area Ratio



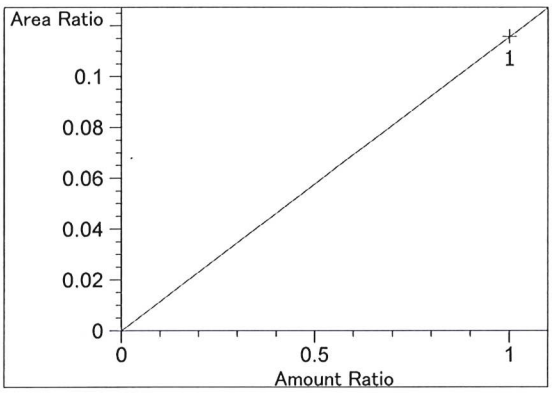
Ethanol at exp. RT: 4.185
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00439
Formula: y = mx
m: 1.98117
x: Amount Ratio
y: Area Ratio



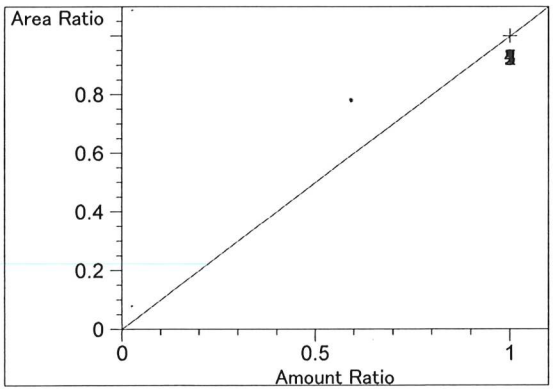
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.45031e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.87854e-2
x: Amount Ratio
y: Area Ratio

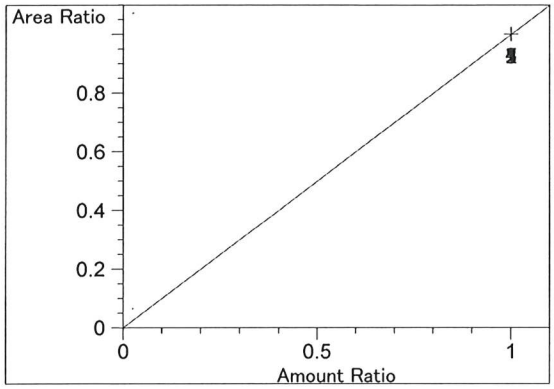


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.15720e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.947
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: 7.630
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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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_04.10.2020_04.08.45\10-04-20cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_04.10.2020_04.08.45\10-04-20cal.S
Data directory path: C:\Chem32\1\Data\10-04-20CALJJ
Logbook: C:\Chem32\1\Data\10-04-20CALJJ\10-04-20cal.LOG
Sequence start: 10/4/2020 4:22:29 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	WATER	-	1.0000	001F0101.D		0
2	2	1	0.05	-	1.0000	002F0201.D	*	4
3	3	1	0.100	-	1.0000	003F0301.D	*	4
4	4	1	0.200	-	1.0000	004F0401.D	*	4
5	5	1	0.300	-	1.0000	005F0501.D	*	4
6	6	1	0.500	-	1.0000	006F0601.D	*	4
7	7	1	ISTD BLANK	-	1.0000	007F0701.D		2

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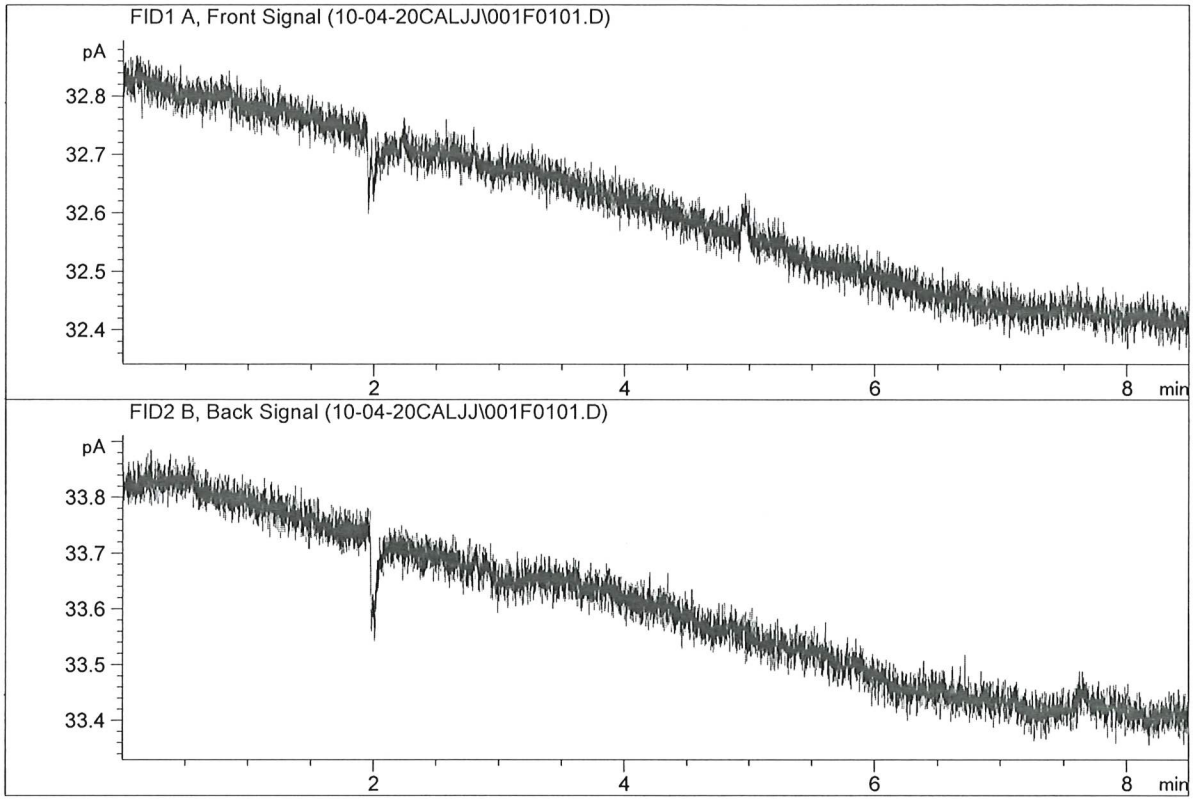
ISP Forensic Services Blood Alcohol Report

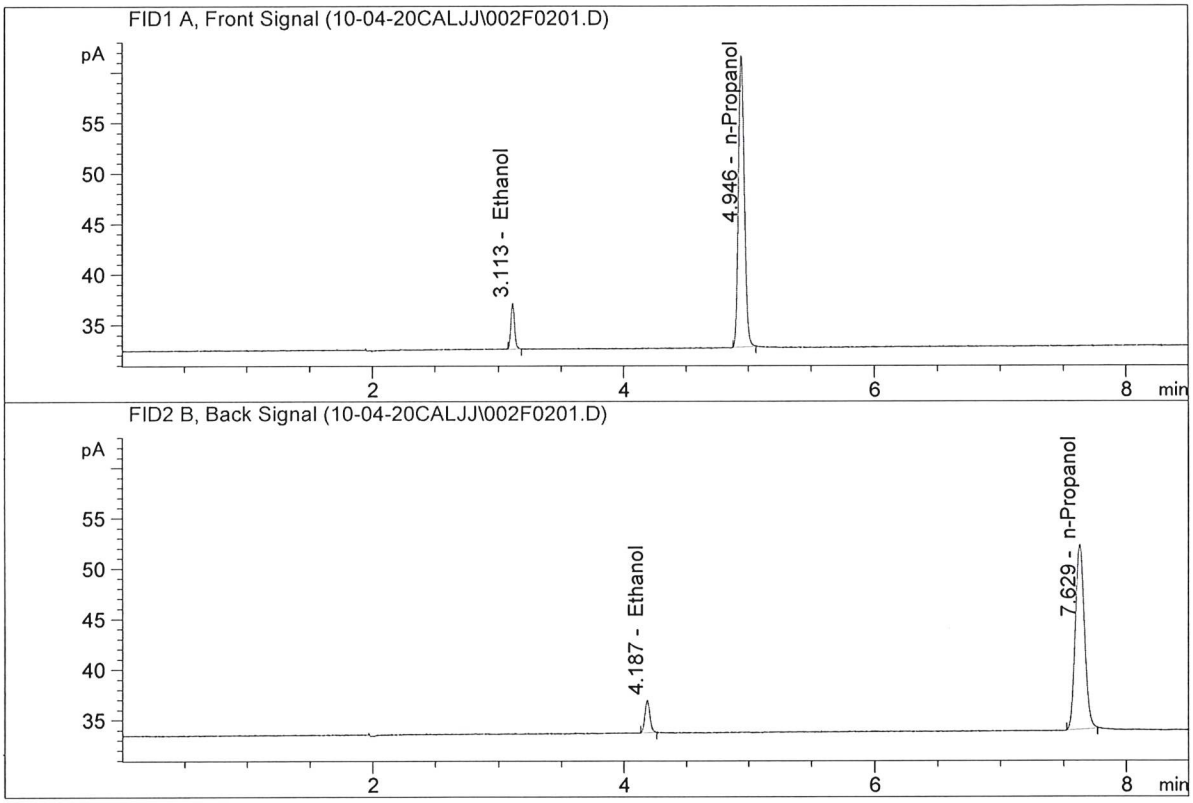
Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

ISP Forensic Services Blood Alcohol Report

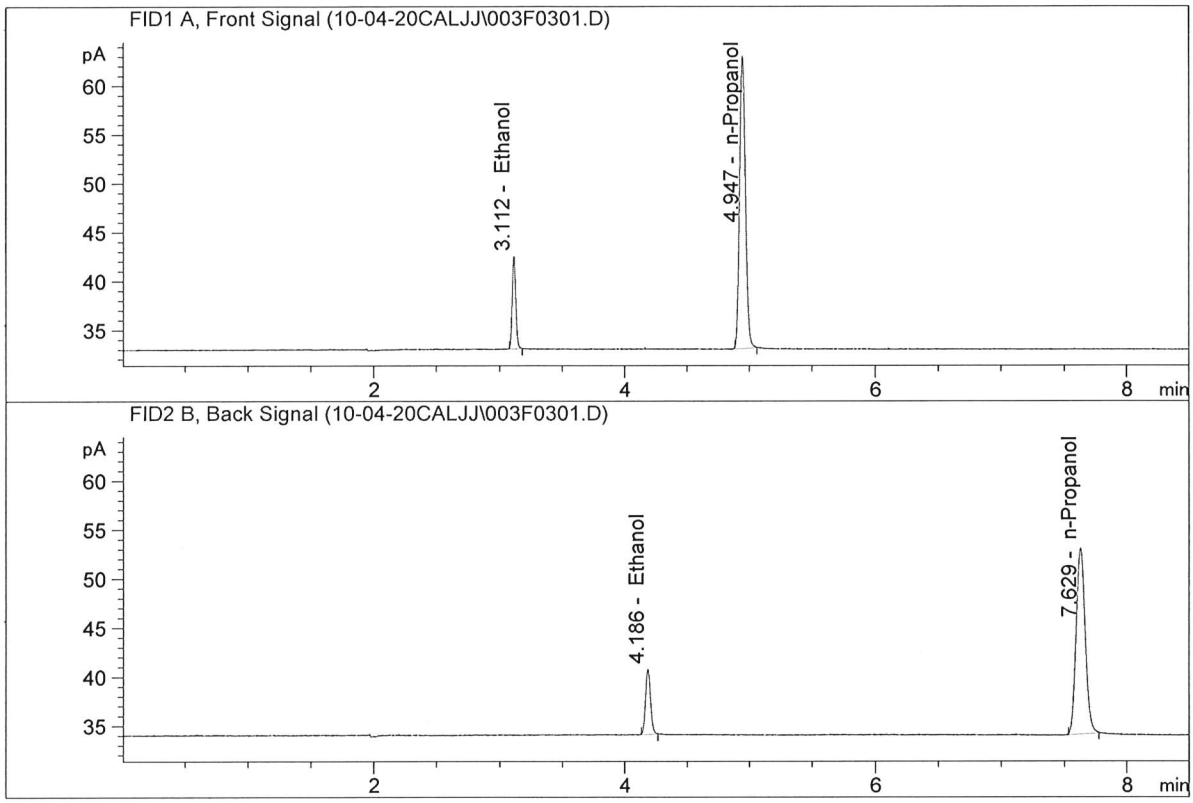
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.01447	0.0496	g/100cc
2.	Ethanol	Column 2:	8.87319	0.0484	g/100cc
3.	n-Propanol	Column 1:	94.48810	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.51981	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

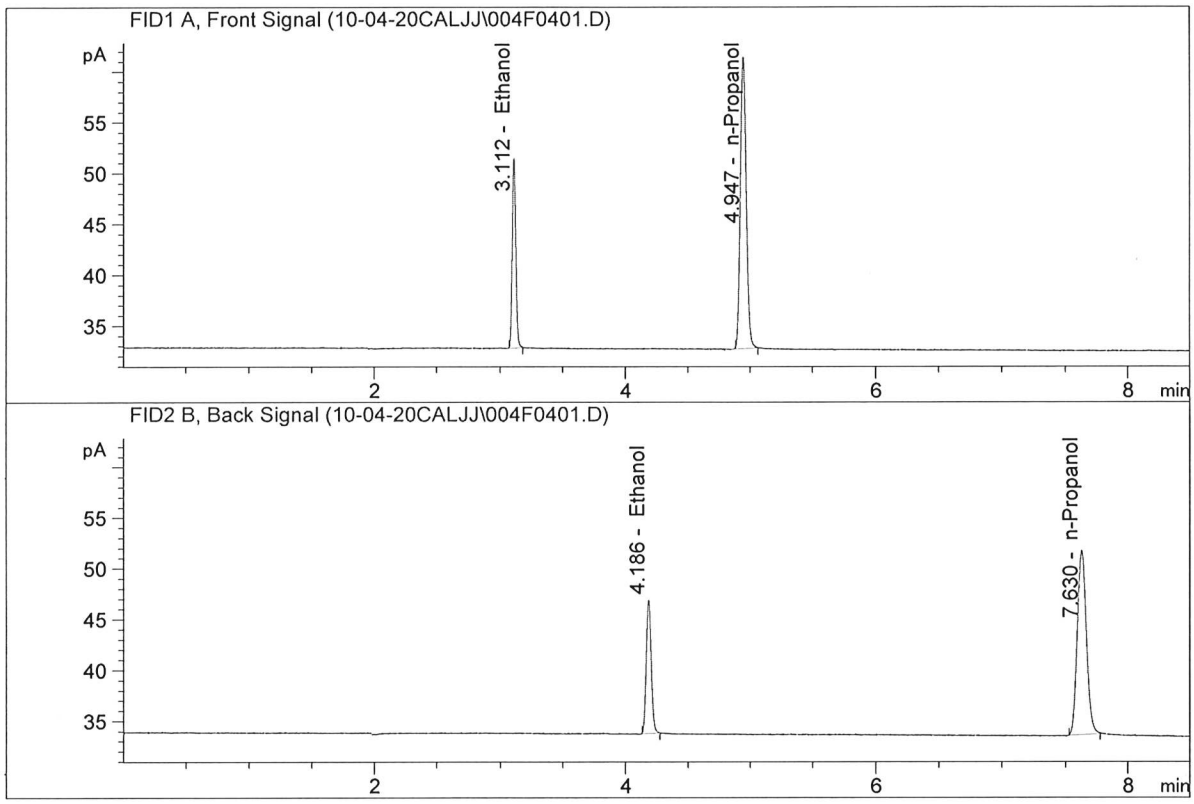
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.61416	0.0988	g/100cc
2.	Ethanol	Column 2:	18.44097	0.0971	g/100cc
3.	n-Propanol	Column 1:	97.88249	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.85931	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.59107	0.2021	g/100cc
2.	Ethanol	Column 2:	36.39429	0.2004	g/100cc
3.	n-Propanol	Column 1:	94.11966	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.68138	1.0000	g/100cc

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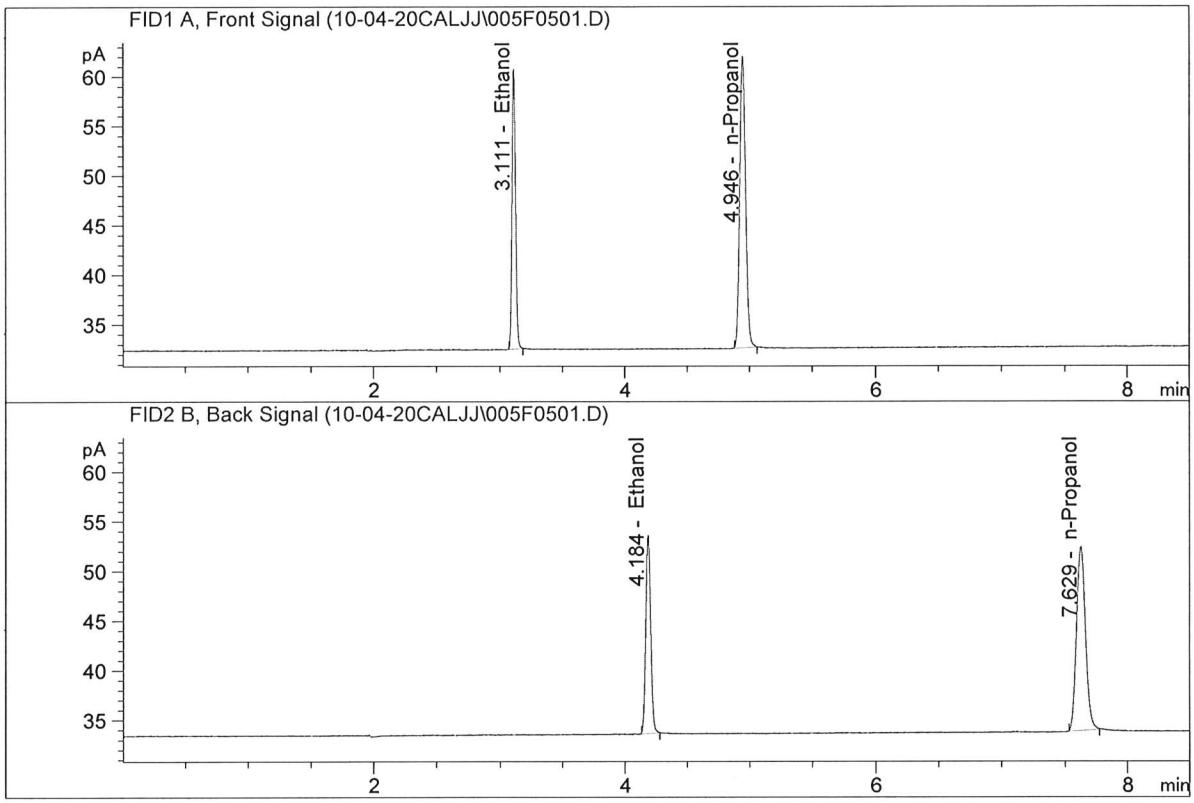
ISP Forensic Services Blood Alcohol Report

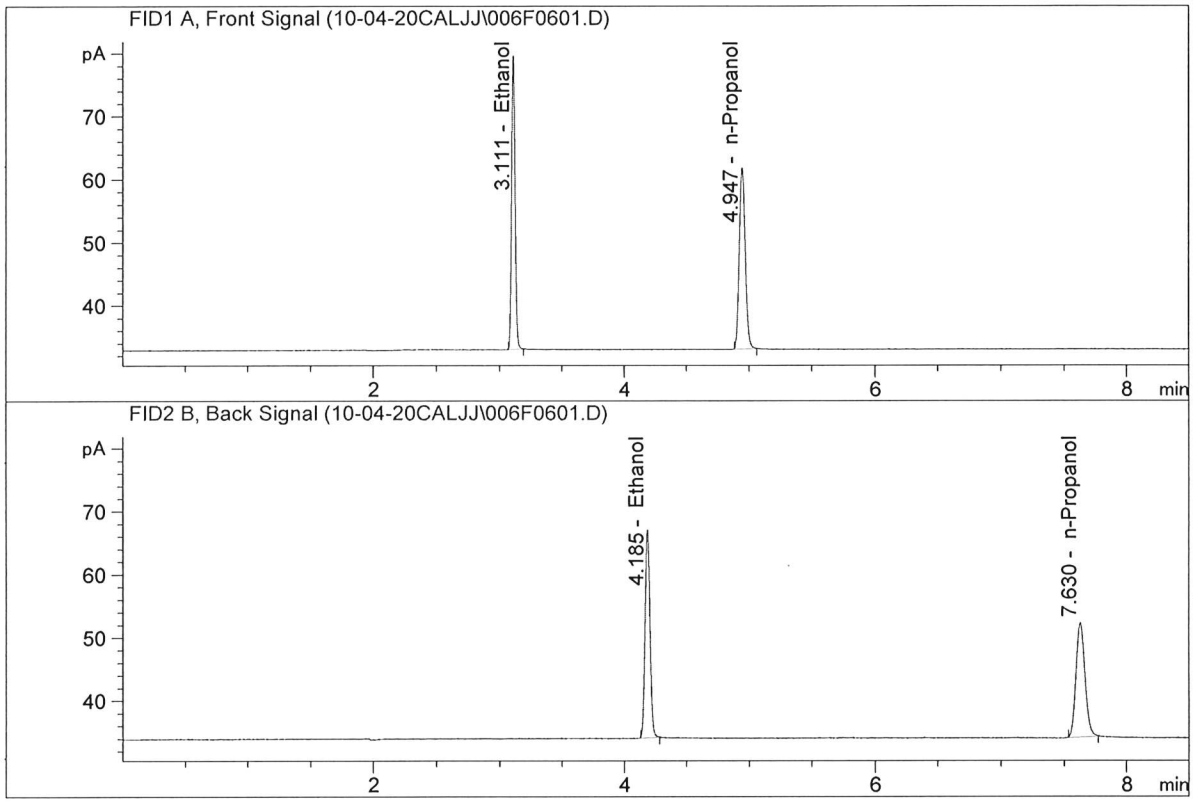
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.22166	0.2980	g/100cc
2.	Ethanol	Column 2:	55.22398	0.2978	g/100cc
3.	n-Propanol	Column 1:	96.32687	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.60607	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

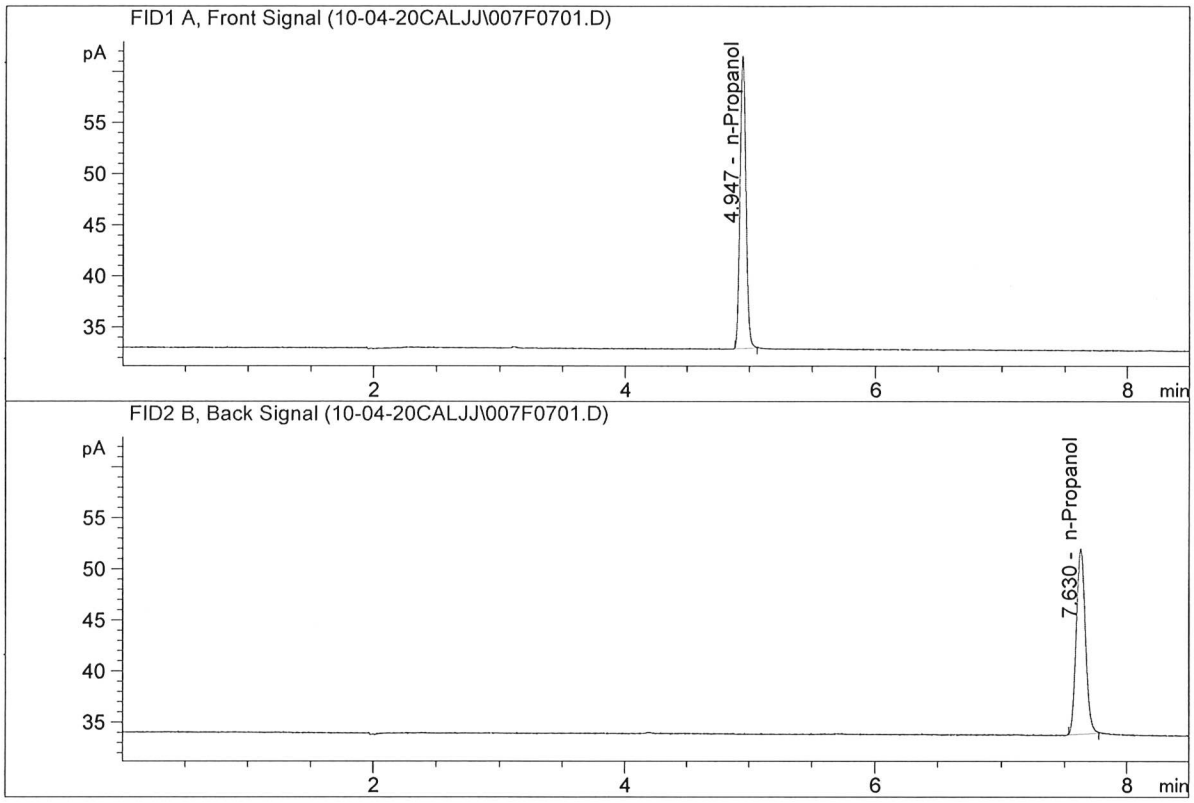
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.73392	0.5007	g/100cc
2.	Ethanol	Column 2:	90.78604	0.5019	g/100cc
3.	n-Propanol	Column 1:	94.19483	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.29858	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	93.63906	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.50581	1.0000	g/100cc

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_04.10.2020_05.51.11\10-04-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_04.10.2020_05.51.11\10-04-2020.S
Data directory path: C:\Chem32\1\Data\10-04-20JJ
Logbook: C:\Chem32\1\Data\10-04-20JJ\10-04-2020.LOG
Sequence start: 10/4/2020 6:04:57 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

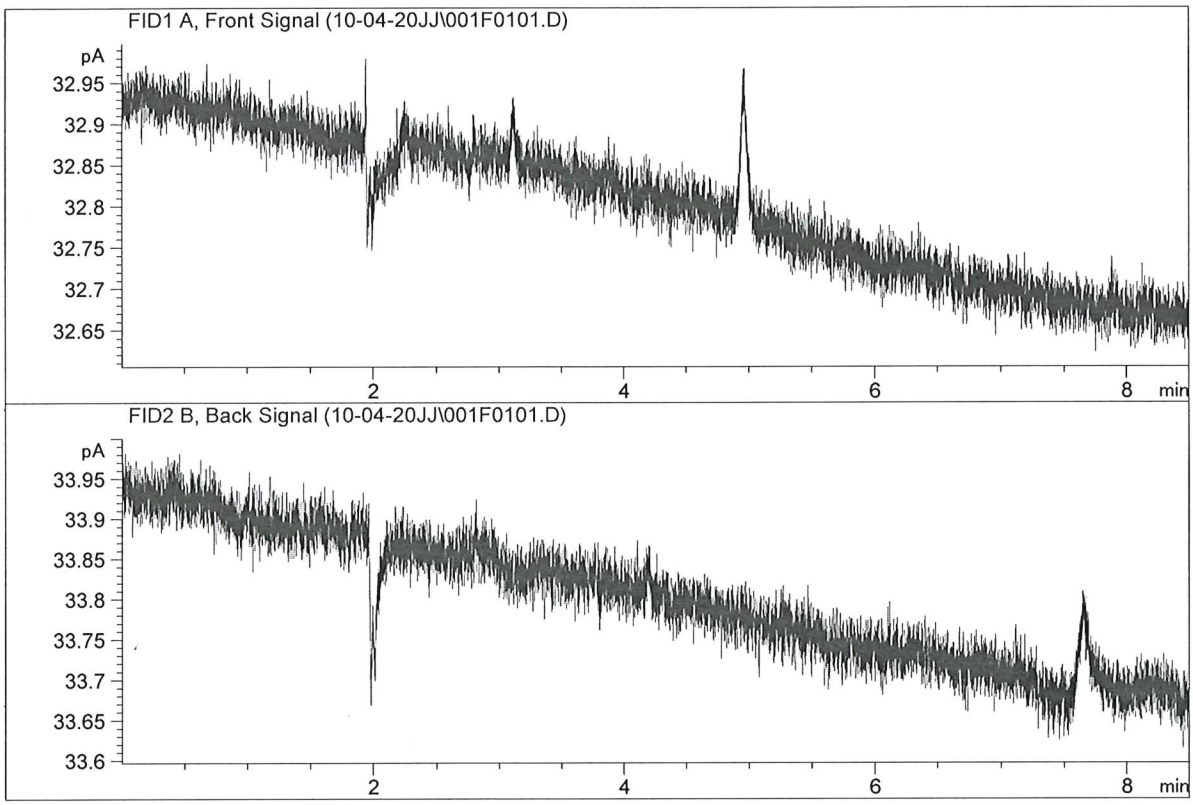
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	water-1 99 10-5-20	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN2101701	-	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	C2020-1768-1-A	-	1.0000	008F0801.D		6
9	9	1	C2020-1768-1-B	-	1.0000	009F0901.D		6
10	10	1	C2020-1768-2-A	-	1.0000	010F1001.D		4
11	11	1	C2020-1768-2-B	-	1.0000	011F1101.D		3
12	12	1	C2020-1768-3-A	-	1.0000	012F1201.D		6
13	13	1	C2020-1768-3-B	-	1.0000	013F1301.D		6
14	14	1	C2020-1768-4-A	-	1.0000	014F1401.D		6
15	15	1	C2020-1768-4-B	-	1.0000	015F1501.D		6
16	16	1	20801-#1-A	-	1.0000	016F1601.D		4
17	17	1	20801-#1-B	-	1.0000	017F1701.D		4
18	18	1	20802-#2-A	-	1.0000	018F1801.D		4
19	19	1	20802-#2-B	-	1.0000	019F1901.D		4
20	20	1	C2020-1890-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-1890-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-1904-1-A	-	1.0000	022F2201.D		4
23	23	1	C2020-1904-1-B	-	1.0000	023F2301.D		4
24	24	1	C2020-1906-1-A	-	1.0000	024F2401.D		4
25	25	1	C2020-1906-1-B	-	1.0000	025F2501.D		4
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	C2020-1915-1-A	-	1.0000	028F2801.D		4
29	29	1	C2020-1915-1-B	-	1.0000	029F2901.D		4
30	30	1	C2020-1919-1-A	-	1.0000	030F3001.D		2
31	31	1	C2020-1919-1-B	-	1.0000	031F3101.D		2
32	32	1	C2020-1936-1-A	-	1.0000	032F3201.D		2
33	33	1	C2020-1936-1-B	-	1.0000	033F3301.D		2
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	0.05 CHECK	-	1.0000	037F3701.D		4
38	38	1	0.100 CHECK	-	1.0000	038F3801.D		4
39	39	1	0.200 CHECK	-	1.0000	039F3901.D		4
40	40	1	0.300 CHECK	-	1.0000	040F4001.D		4
41	41	1	0.500 CHECK	-	1.0000	041F4101.D		4
42	42	1	water-2	-	1.0000	042F4201.D		0

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



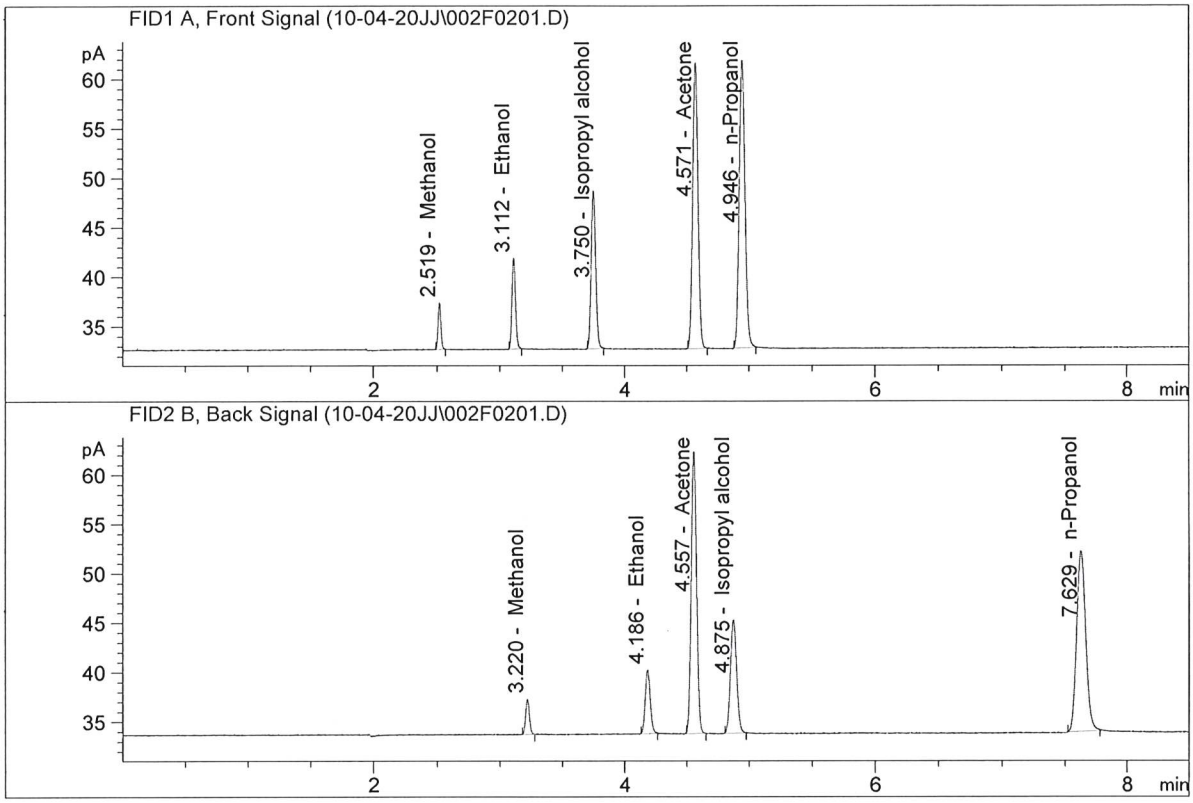
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

FN07101701
99 10-5-20

Sample Name	:	VOL MIX
Laboratory	:	Coeur d' Alene
Injection Date	:	Oct 4, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

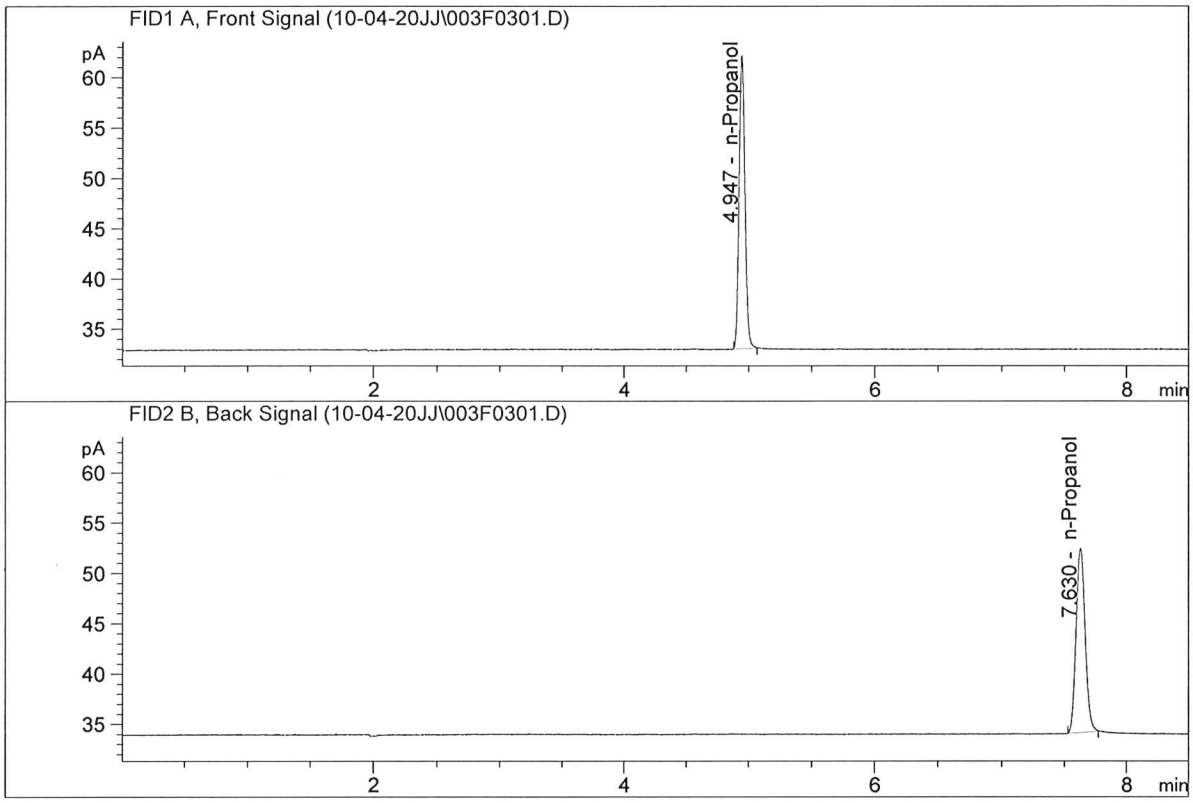


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.08797	0.0990	g/100cc
2.	Ethanol	Column 2:	17.90766	0.0976	g/100cc
3.	n-Propanol	Column 1:	94.94463	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.58564	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 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:	95.18540	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.76865	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 04 Oct 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1974	0.1968	0.0006	0.1971	0.0009	0.1966
(g/100cc)	0.1964	0.1961	0.0003	0.1962		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.196	0.186	0.206	0.010

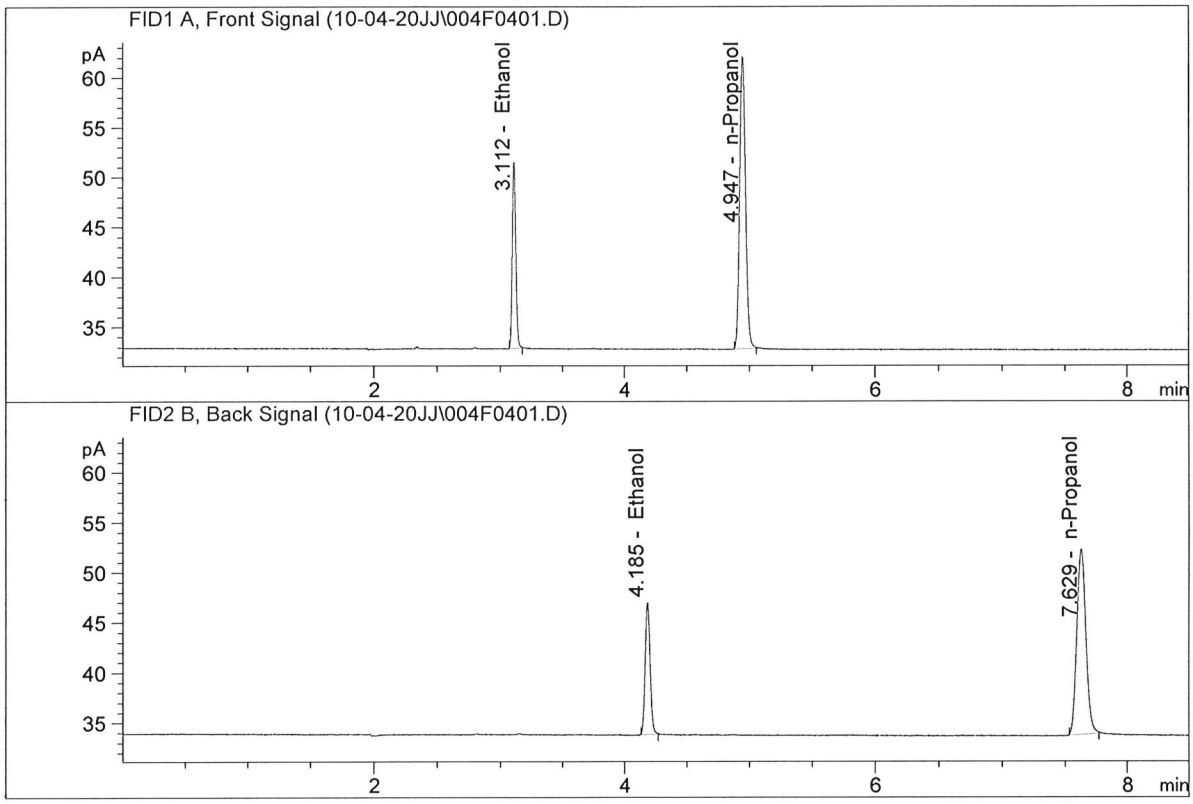
Reported Result
0.196

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

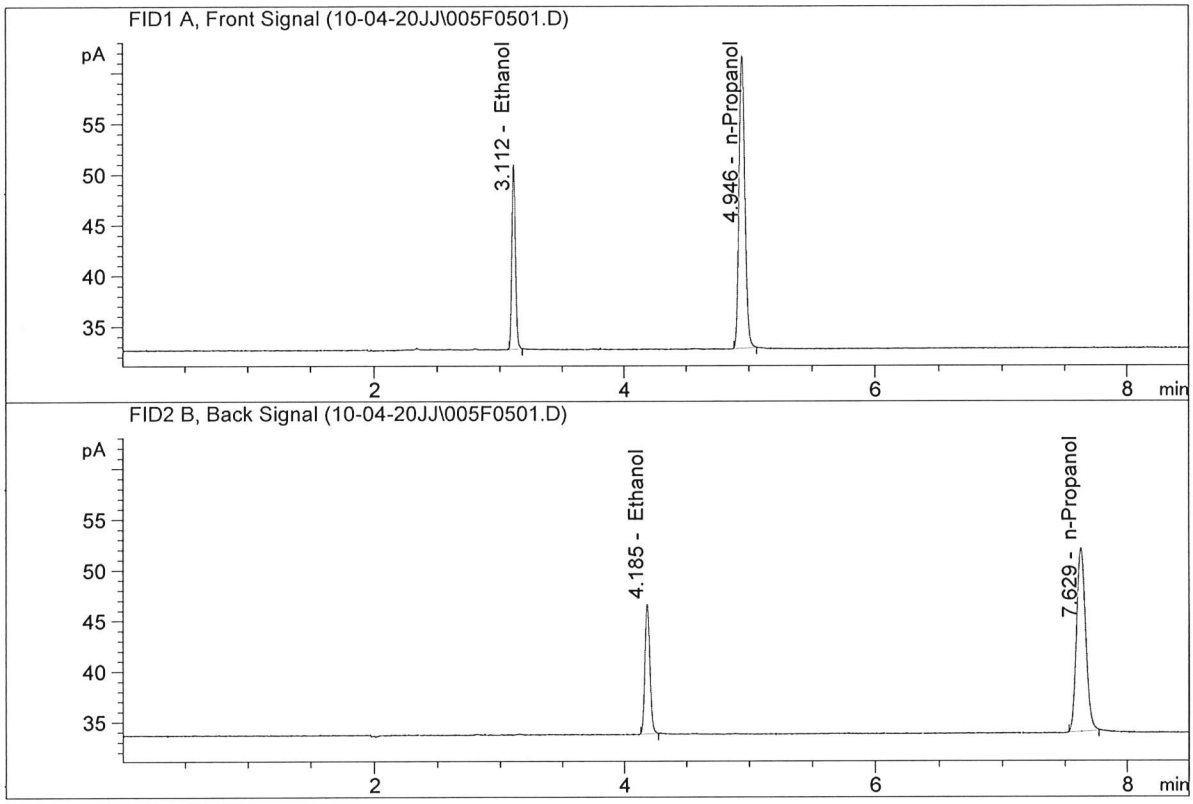


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.47485	0.1974	g/100cc
2.	Ethanol	Column 2:	36.31363	0.1968	g/100cc
3.	n-Propanol	Column 1:	96.02687	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.14600	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.71506	0.1964	g/100cc
2.	Ethanol	Column 2:	35.60669	0.1961	g/100cc
3.	n-Propanol	Column 1:	94.51382	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.63589	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 04 Oct 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0805	0.0006	0.0808	0.0013	0.0801
(g/100cc)	0.0800	0.0790	0.0010	0.0795		

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

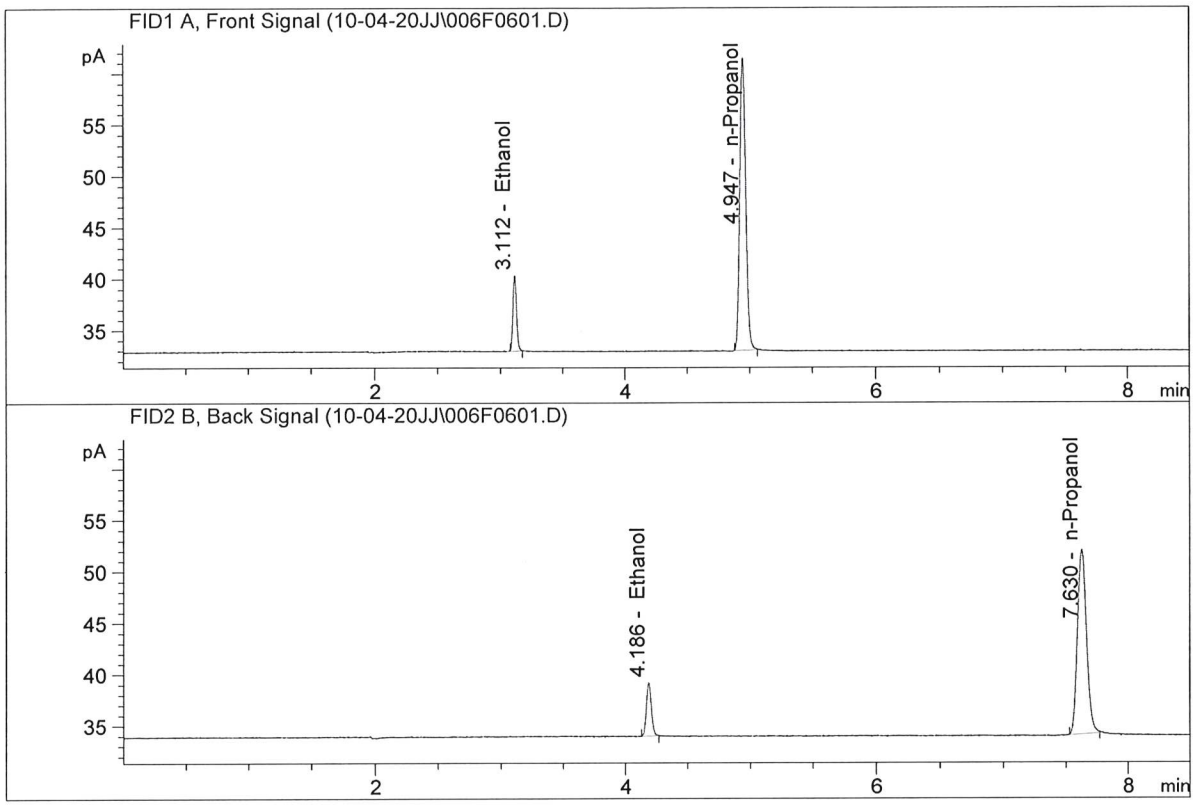
Reported Result
0.080

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

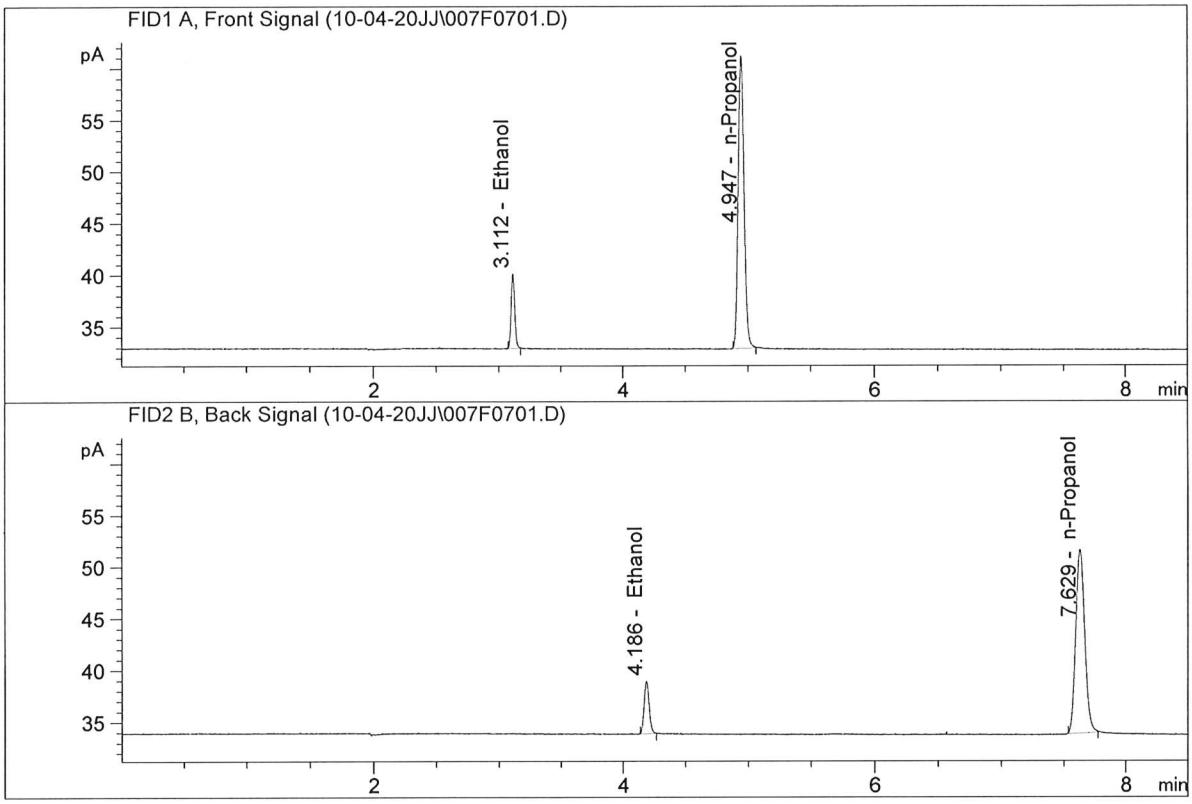


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.57008	0.0811	g/100cc
2.	Ethanol	Column 2:	14.47366	0.0805	g/100cc
3.	n-Propanol	Column 1:	93.34226	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.77288	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.24683	0.0800	g/100cc
2.	Ethanol	Column 2:	14.07030	0.0790	g/100cc
3.	n-Propanol	Column 1:	92.57688	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.95256	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 04 Oct 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0776	0.0773	0.0003	0.0774	0.0001	0.0773
(g/100cc)	0.0779	0.0767	0.0012	0.0773		

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

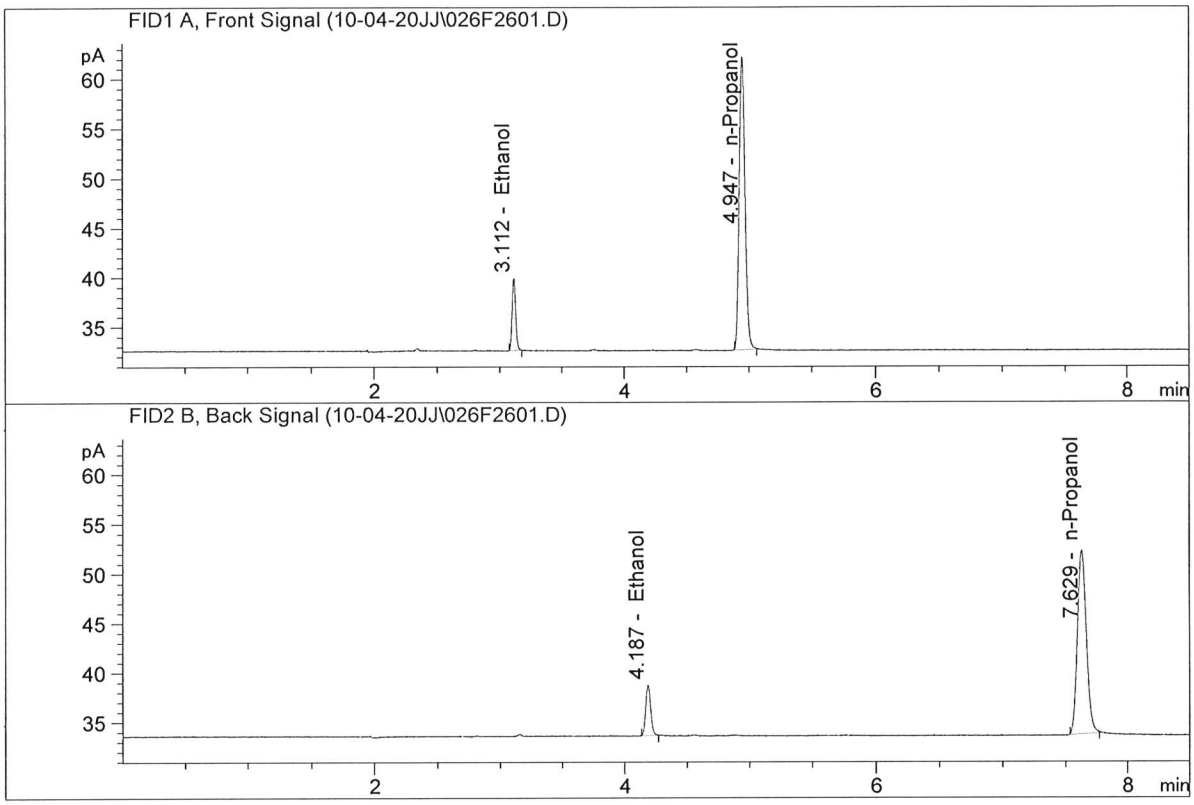
0.077

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

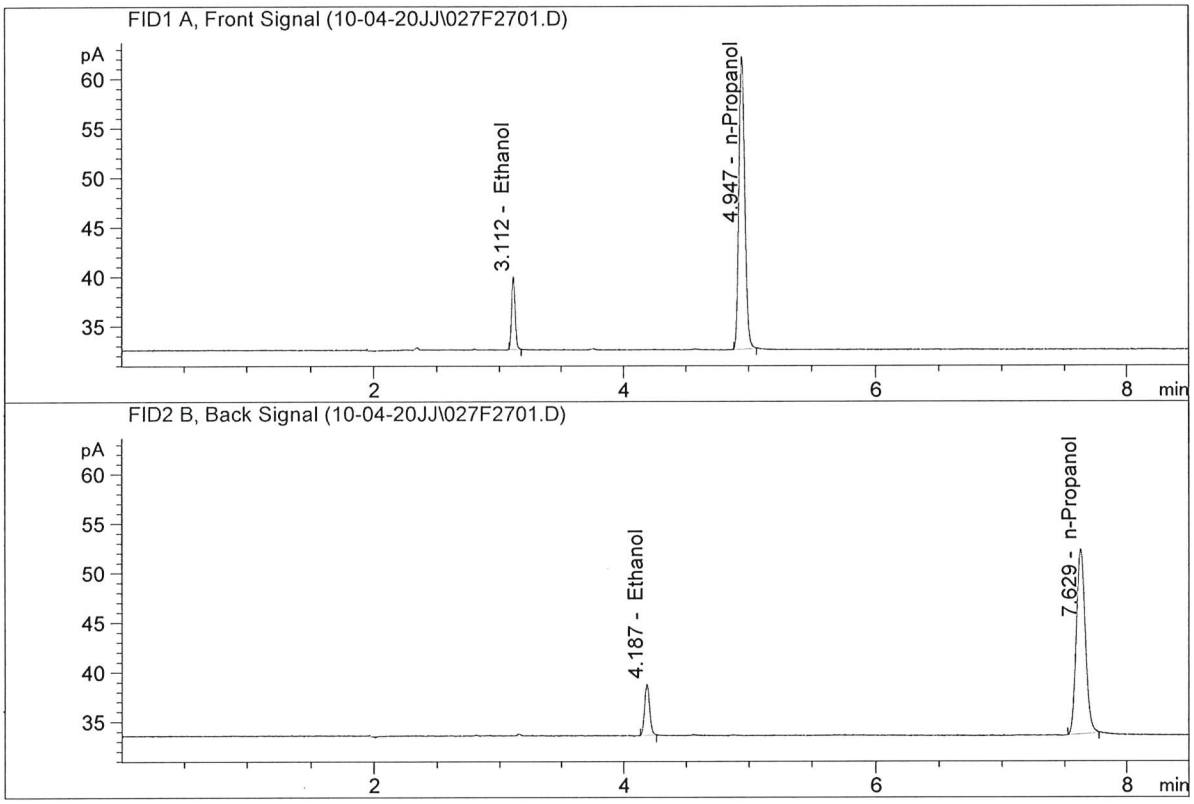


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.44056	0.0776	g/100cc
2.	Ethanol	Column 2:	14.33218	0.0773	g/100cc
3.	n-Propanol	Column 1:	96.72260	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.58881	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Oct 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.54252	0.0779	g/100cc
2.	Ethanol	Column 2:	14.34098	0.0767	g/100cc
3.	n-Propanol	Column 1:	97.08083	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.38087	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2) **Analysis Date(s): 05 Oct 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1979	0.1981	0.0002	0.1980	0.0003	0.1978
(g/100cc)	0.1975	0.1979	0.0004	0.1977		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.197	**0.187**	**0.207**	**0.010**

Reported Result

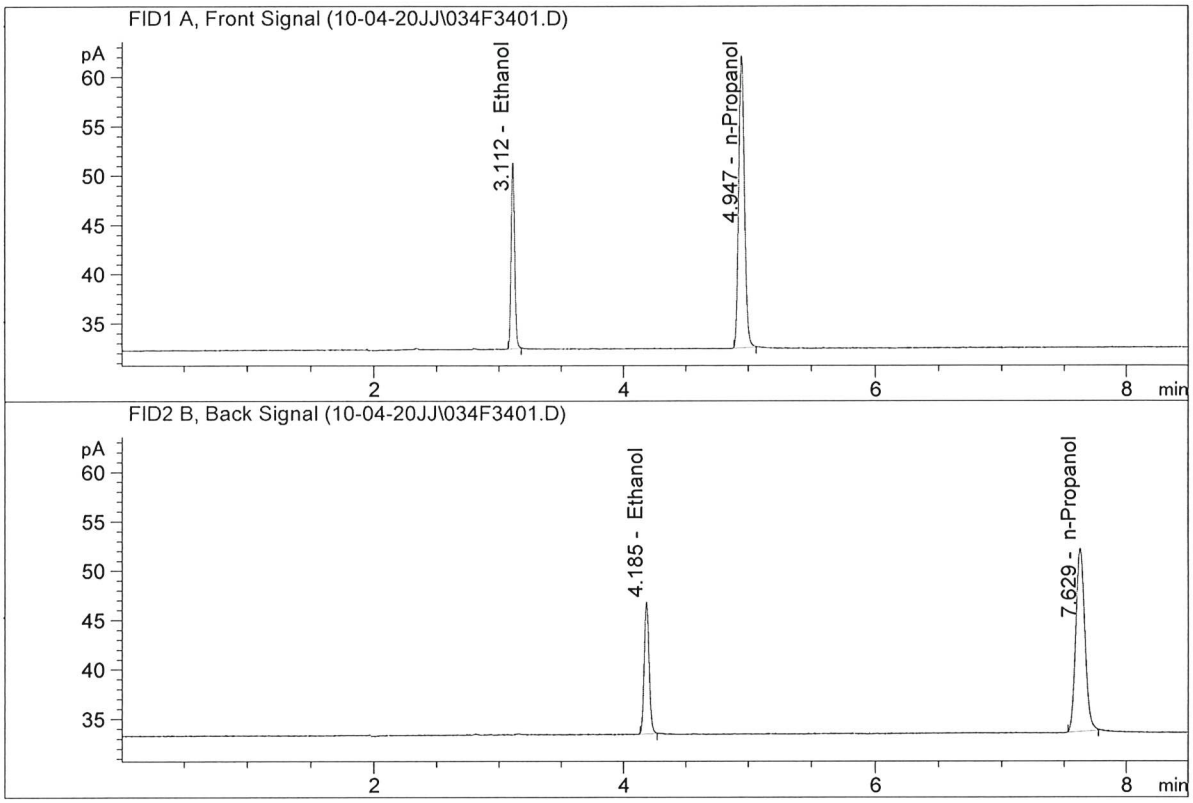
0.197

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

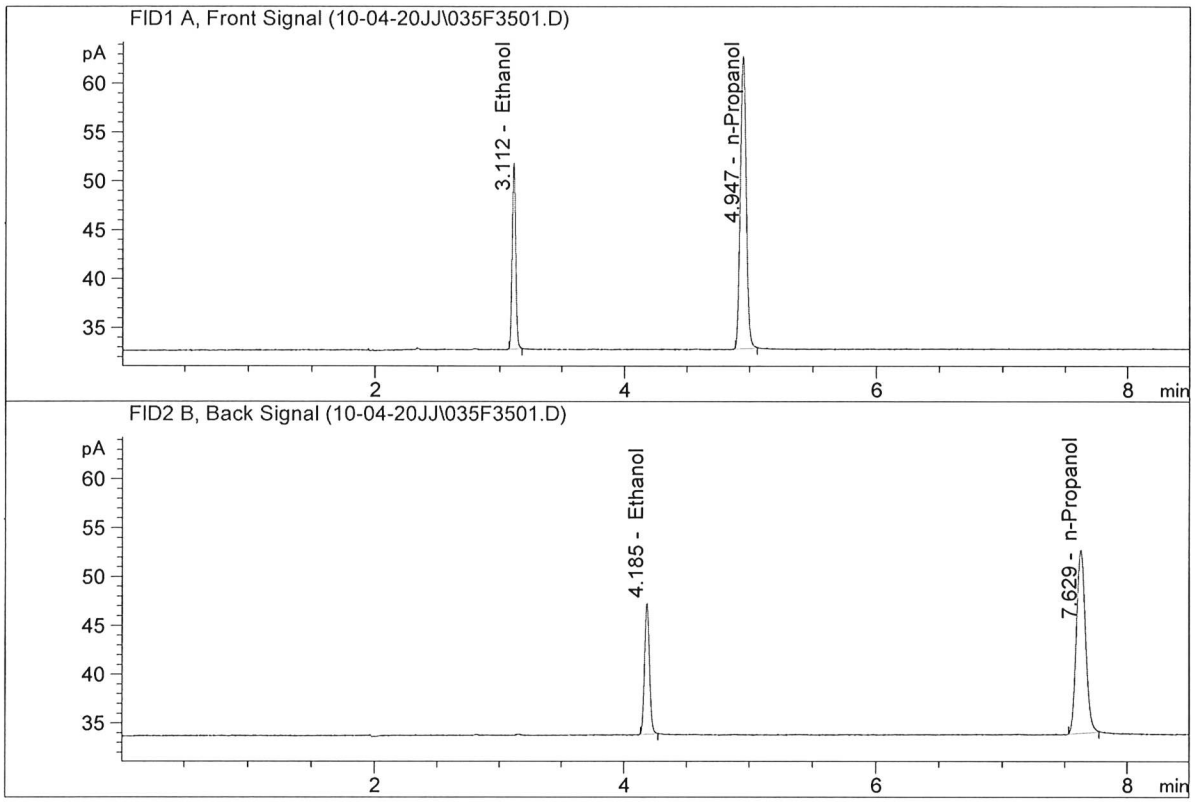


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.01177	0.1979	g/100cc
2.	Ethanol	Column 2:	36.89534	0.1981	g/100cc
3.	n-Propanol	Column 1:	97.20094	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.99216	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

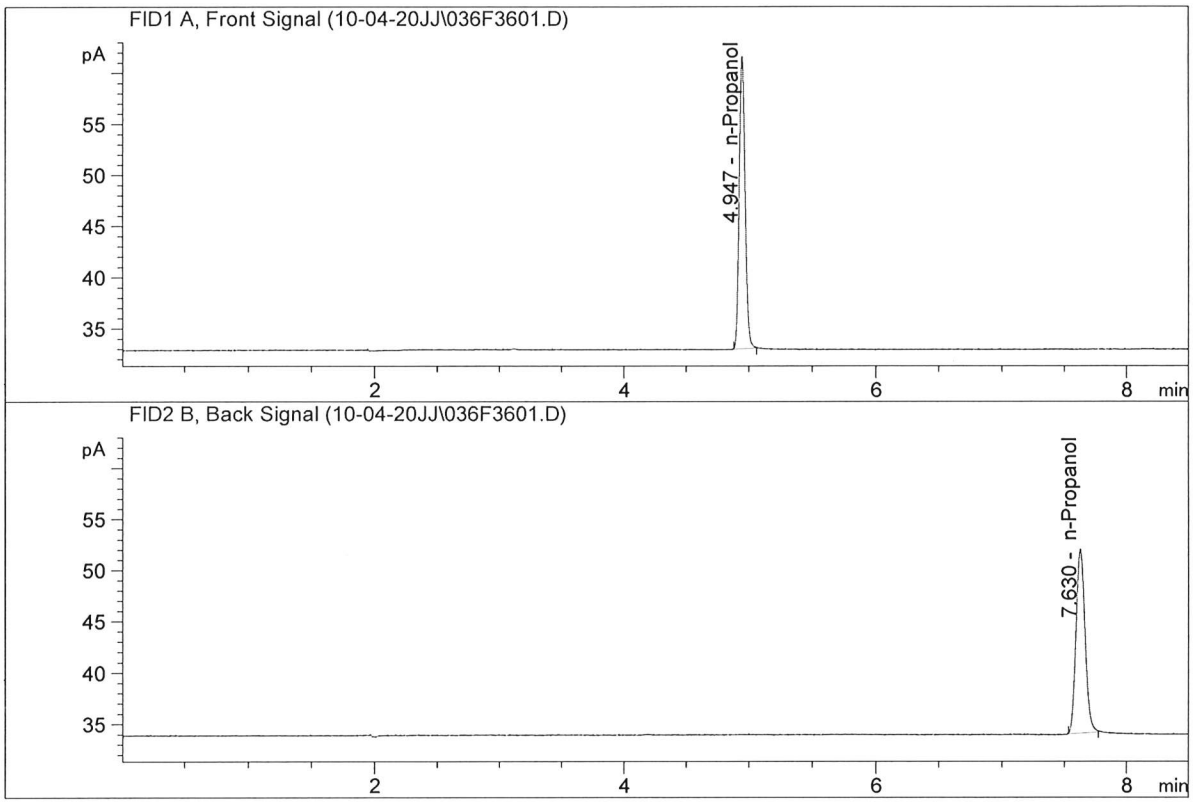


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.33298	0.1975	g/100cc
2.	Ethanol	Column 2:	37.22773	0.1979	g/100cc
3.	n-Propanol	Column 1:	98.25311	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.97166	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

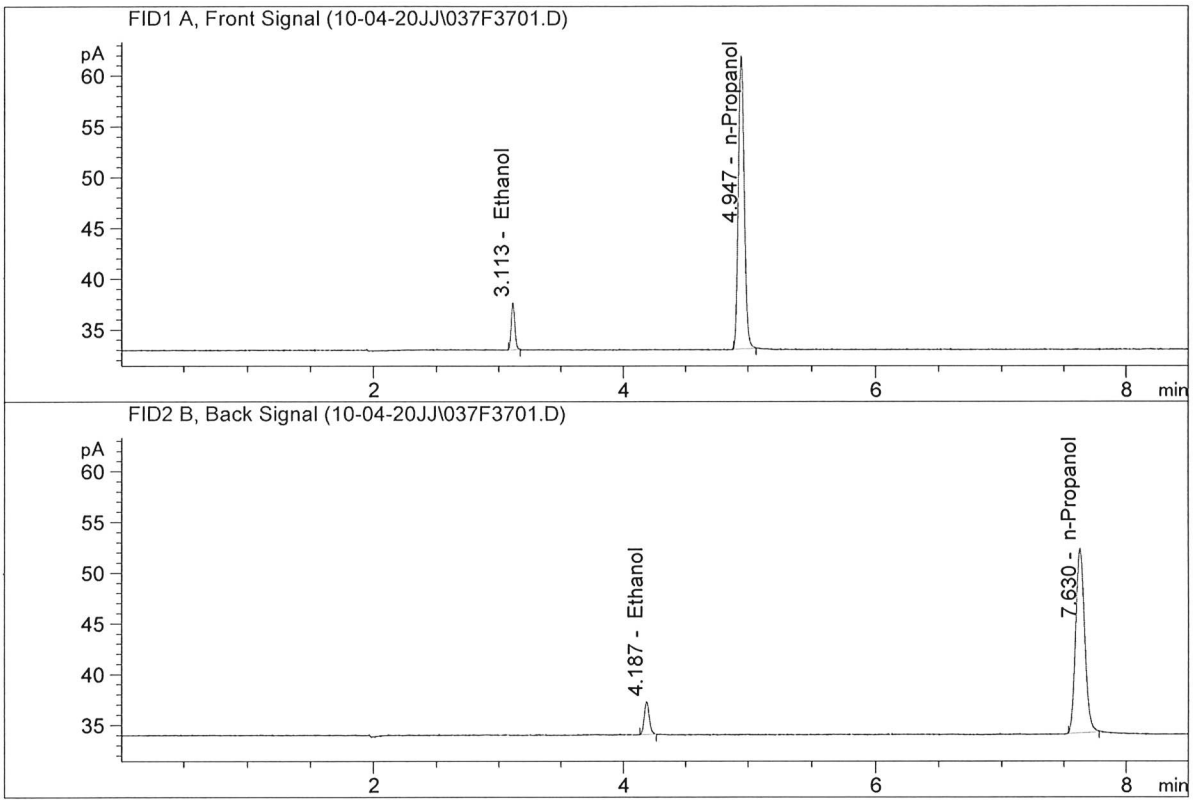


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	93.68478	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.90518	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 CHECK
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

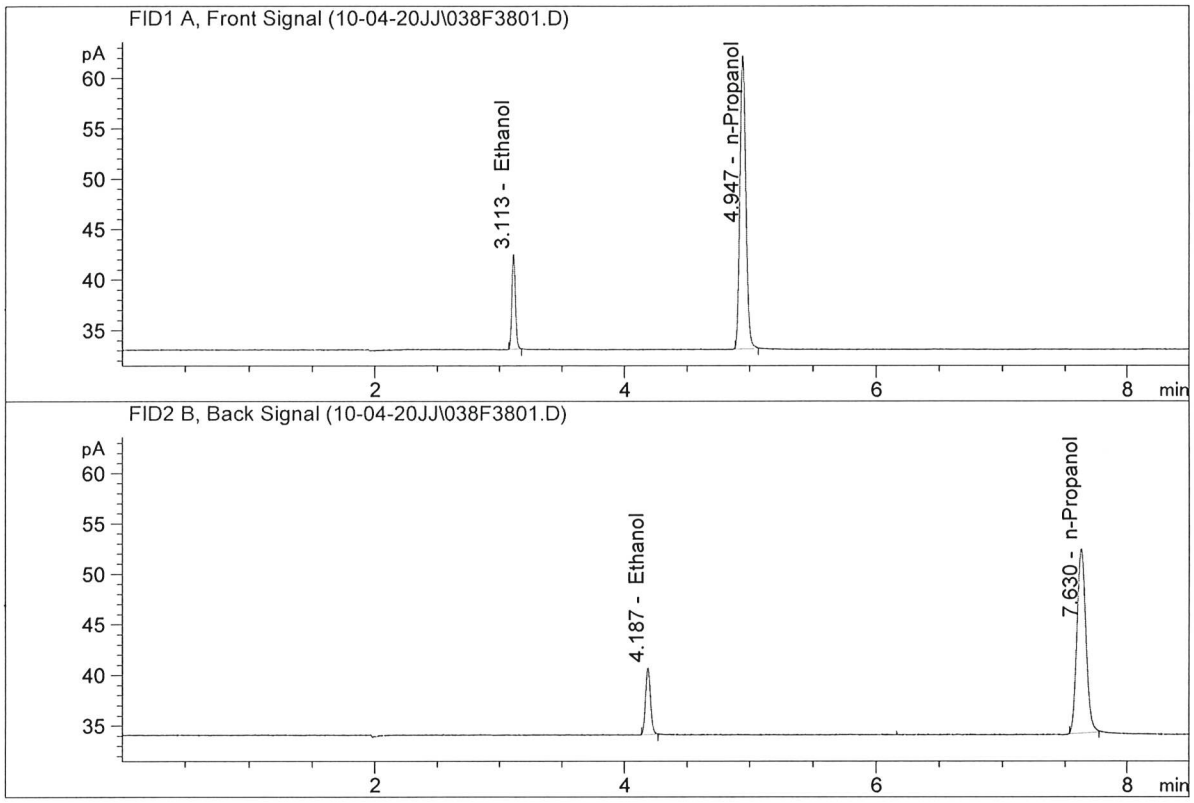


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.18411	0.0505	g/100cc
2.	Ethanol	Column 2:	9.04126	0.0496	g/100cc
3.	n-Propanol	Column 1:	94.49771	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.92321	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

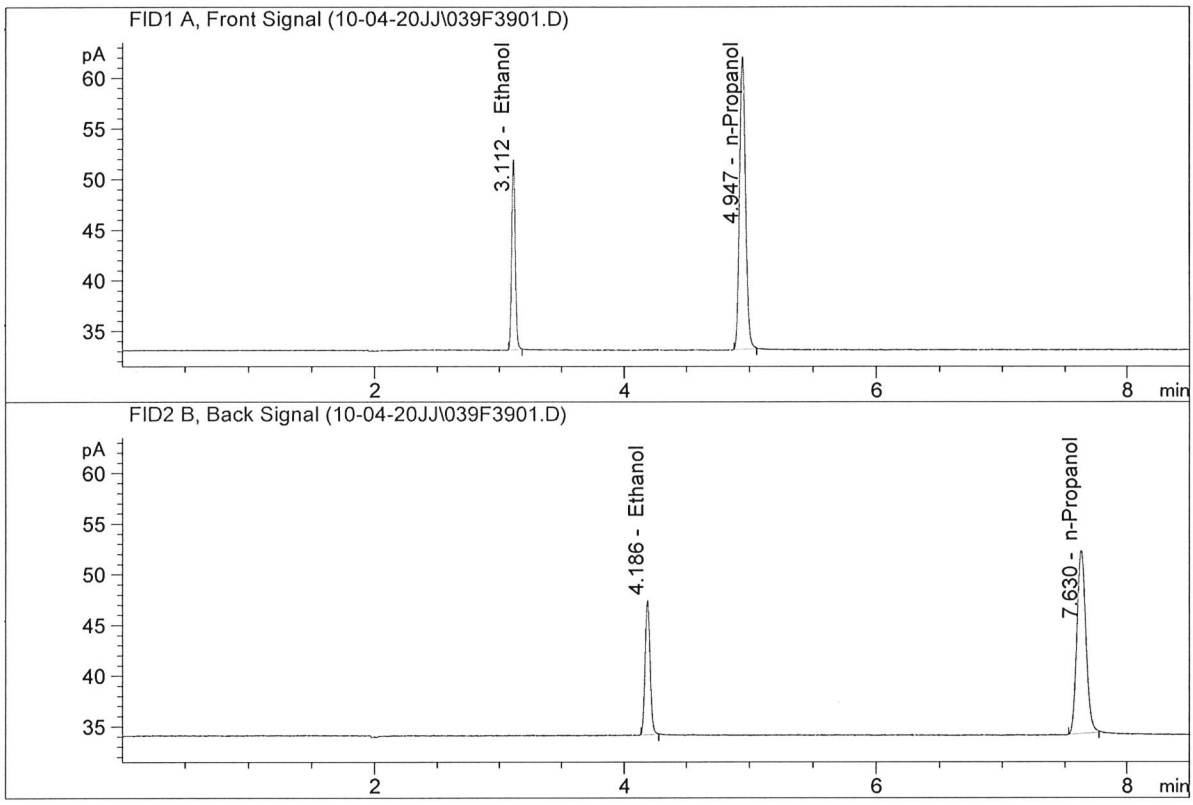


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.50054	0.1010	g/100cc
2.	Ethanol	Column 2:	18.34569	0.1008	g/100cc
3.	n-Propanol	Column 1:	95.23675	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.85728	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

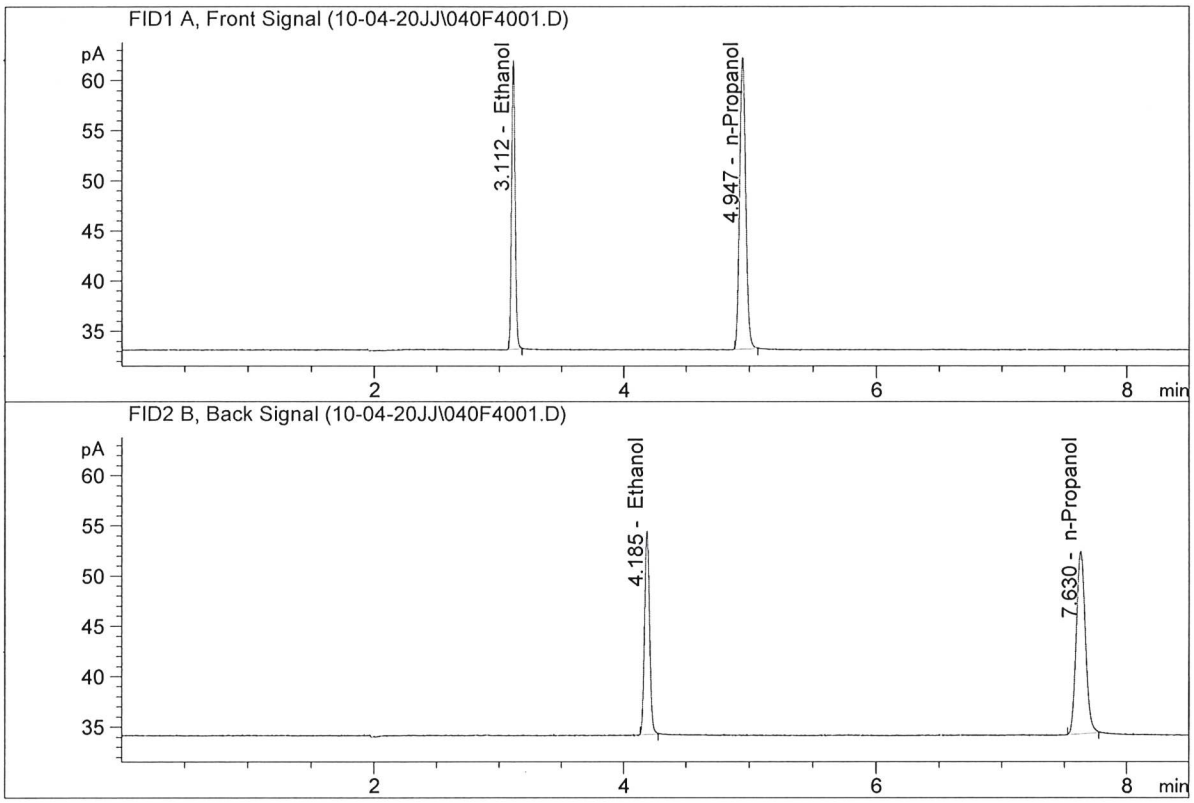


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.91251	0.2026	g/100cc
2.	Ethanol	Column 2:	36.79735	0.2029	g/100cc
3.	n-Propanol	Column 1:	94.71033	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.54536	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

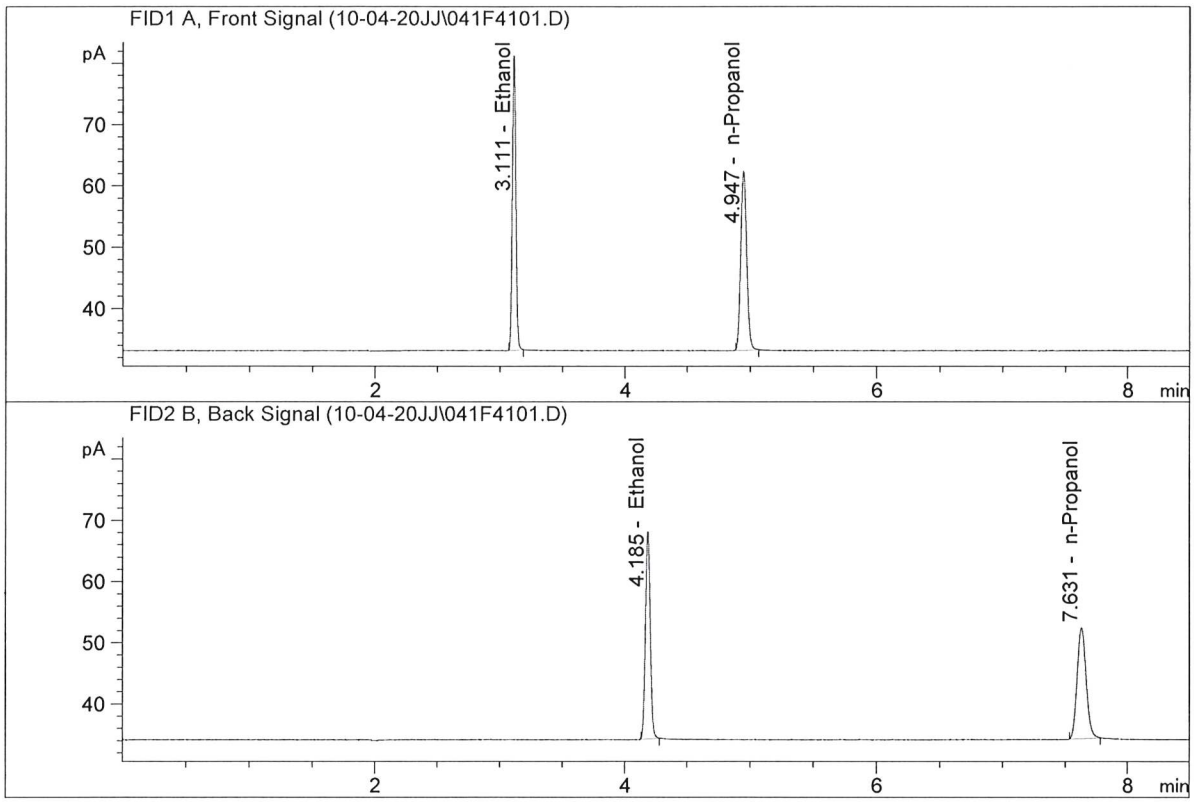
Sample Name : 0.300 CHECK
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.16542	0.3062	g/100cc
2.	Ethanol	Column 2:	56.08301	0.3078	g/100cc
3.	n-Propanol	Column 1:	95.34439	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.96059	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

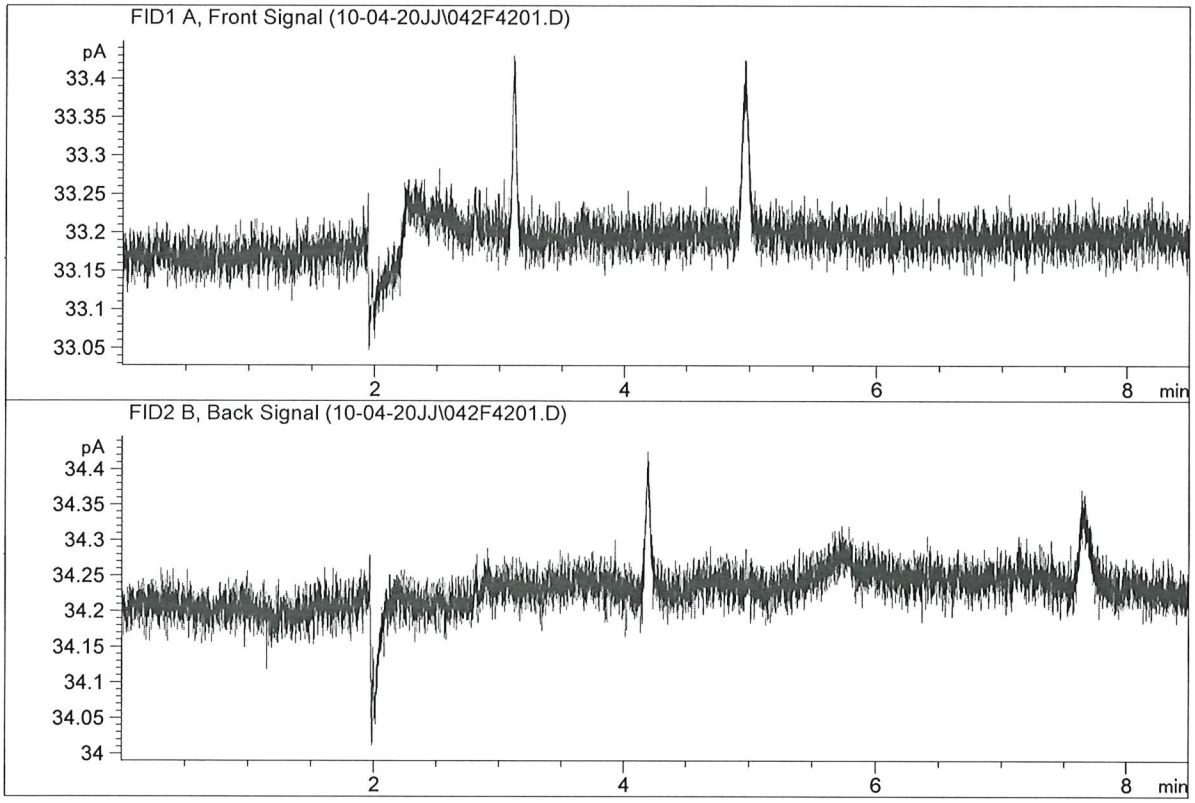


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.29256	0.5066	g/100cc
2.	Ethanol	Column 2:	93.24885	0.5114	g/100cc
3.	n-Propanol	Column 1:	95.71690	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.04520	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Oct 5, 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