REVIEWED
By Stuart Jacobson at 9:24 am, Mar 22, 2021

3/16/2021

Worklist: 4847

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-1860	1	BCK	Alcohol Analysis
C2021-0355	1	BCK	BATS Proficiency Test
C2021-0355	2	BCK	BATS Proficiency Test
C2021-0355	3	BCK	BATS Proficiency Test
C2021-0355	4	BCK	BATS Proficiency Test
C2021-0431	1	BCK	Alcohol Analysis
C2021-0433	1	BCK	Alcohol Analysis
C2021-0452	1	BCK	Alcohol Analysis
C2021-0472	1	BCK	Alcohol Analysis
C2021-0474	1	BCK	Alcohol Analysis
C2021-0482	1	BCK	Alcohol Analysis
C2021-0502	1	BCK	Alcohol Analysis
C2021-0514	1	BCK	Alcohol Analysis
C2021-0528	1	BCK	Alcohol Analysis
C2021-0533	1	BCK	Alcohol Analysis
C2021-0566	1	BCK	Alcohol Analysis
C2021-0602	1	BCK	Alcohol Analysis
C2021-0613	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): 3-18-2021**

worklist #4847

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0757 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1924 g/100cc
					0.1954 g/100cc
					g/100cc

Multi-Component mixture:	**Jul-22**		**Lot #**	FN07101701	OK
Curve Fit:		**Column 1**	0.99998	**Column2**	0.99988

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0493	0.0494	0.0001	0.0493
100	0.100	0.090 - 0.110	0.0992	0.0977	0.0015	0.0984
200	0.200	0.180 - 0.220	0.1978	0.1955	0.0023	0.1966
300	0.300	0.270 - 0.330	0.3016	0.3036	0.002	0.3026
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4980	0.4991	0.0011	0.4985

Aqueous Controls

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

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_18.03.2021_04.02.33\03-18-2021.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_18.03.2021_04.02.33\03-18-2021.S
Data directory path: C:\Chem32\1\Data\03-18-21JJ
Logbook: C:\Chem32\1\Data\03-18-21JJ\03-18-2021.LOG
Sequence start: 3/18/2021 4:16:20 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	-	1.0000	002F0201.D		0
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	C2020-1860-1-A	-	1.0000	008F0801.D		5
9	9	1	C2020-1860-1-B	-	1.0000	009F0901.D		4
10	10	1	C2021-0355-1-A	-	1.0000	010F1001.D		4
11	11	1	C2021-0355-1-B	-	1.0000	011F1101.D		4
12	12	1	C2021-0355-2-A	-	1.0000	012F1201.D		4
13	13	1	C2021-0355-2-B	-	1.0000	013F1301.D		4
14	14	1	C2021-0355-3-A	-	1.0000	014F1401.D		6
15	15	1	C2021-0355-3-B	-	1.0000	015F1501.D		6
16	16	1	C2021-0355-4-A	-	1.0000	016F1601.D		6
17	17	1	C2021-0355-4-B	-	1.0000	017F1701.D		6
18	18	1	C2021-0431-1-A	-	1.0000	018F1801.D		4
19	19	1	C2021-0431-1-B	-	1.0000	019F1901.D		4
20	20	1	C2021-0433-1-A	-	1.0000	020F2001.D		4
21	21	1	C2021-0433-1-B	-	1.0000	021F2101.D		4
22	22	1	C2021-0452-1-A	-	1.0000	022F2201.D		6
23	23	1	C2021-0452-1-B	-	1.0000	023F2301.D		4
24	24	1	C2021-0472-1-A	-	1.0000	024F2401.D		4
25	25	1	C2021-0472-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2(2)-A	-	1.0000	026F2601.D		4
27	27	1	QC-2(2)-B	-	1.0000	027F2701.D		4
28	28	1	C2021-0474-1-A	-	1.0000	028F2801.D		4
29	29	1	C2021-0474-1-B	-	1.0000	029F2901.D		4
30	30	1	C2021-0482-1-A	-	1.0000	030F3001.D		4
31	31	1	C2021-0482-1-B	-	1.0000	031F3101.D		4
32	32	1	C2021-0502-1-A	-	1.0000	032F3201.D		4
33	33	1	C2021-0502-1-B	-	1.0000	033F3301.D		4
34	34	1	C2021-0514-1-A	-	1.0000	034F3401.D		4
35	35	1	C2021-0514-1-B	-	1.0000	035F3501.D		4
36	36	1	C2021-0528-1-A	-	1.0000	036F3601.D		4
37	37	1	C2021-0528-1-B	-	1.0000	037F3701.D		4
38	38	1	C2021-0533-1-A	-	1.0000	038F3801.D		4
39	39	1	C2021-0533-1-B	-	1.0000	039F3901.D		4
40	40	1	C2021-0566-1-A	-	1.0000	040F4001.D		4
41	41	1	C2021-0566-1-B	-	1.0000	041F4101.D		4
42	42	1	C2021-0602-1-A	-	1.0000	042F4201.D		2
43	43	1	C2021-0602-1-B	-	1.0000	043F4301.D		2
44	44	1	C2021-0613-1-A	-	1.0000	044F4401.D		2
45	45	1	C2021-0613-1-B	-	1.0000	045F4501.D		2
46	46	1	QC-1(2)-A	-	1.0000	046F4601.D		4

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_18.03.2021_04.02.33\03-18-2021.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	QC-1(2)-B	-	1.0000	047F4701.D		4
48	48	1	ISTD BLANK-2	-	1.0000	048F4801.D		2
49	49	1	water-2	-	1.0000	049F4901.D		0

99

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, March 18, 2021 3:39:20 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 : Included
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

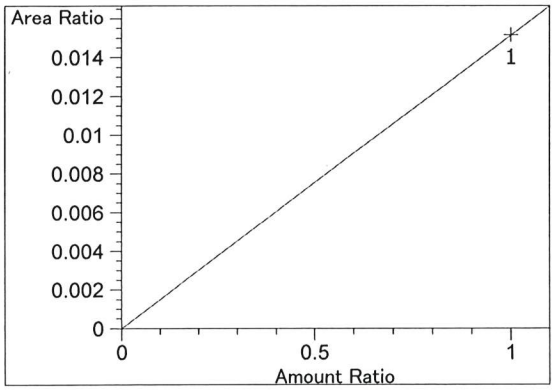
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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
3.110	1	1	5.00000e-2	8.12487	6.15395e-3	No	No	1	Ethanol
		2	1.00000e-1	16.42620	6.08783e-3				
		3	2.00000e-1	34.17638	5.85199e-3				
		4	3.00000e-1	49.55641	6.05371e-3				
		5	5.00000e-1	83.13074	6.01462e-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
4.184	2	1	5.00000e-2	7.36068	6.79285e-3	No	No	2	Ethanol
		2	1.00000e-1	14.82222	6.74663e-3				
		3	2.00000e-1	31.21039	6.40812e-3				
		4	3.00000e-1	46.34290	6.47348e-3				
		5	5.00000e-1	77.47714	6.45352e-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
4.945	1	1	1.00000	80.48958	1.24240e-2	No	Yes	1	n-Propanol
		2	1.00000	80.53053	1.24177e-2				
		3	1.00000	83.79415	1.19340e-2				
		4	1.00000	79.88733	1.25176e-2				
		5	1.00000	80.81501	1.23739e-2				
7.629	2	1	1.00000	70.48893	1.41866e-2	No	Yes	2	n-Propanol
		2	1.00000	69.56420	1.43752e-2				
		3	1.00000	72.07390	1.38746e-2				
		4	1.00000	68.69852	1.45564e-2				
		5	1.00000	69.46797	1.43951e-2				

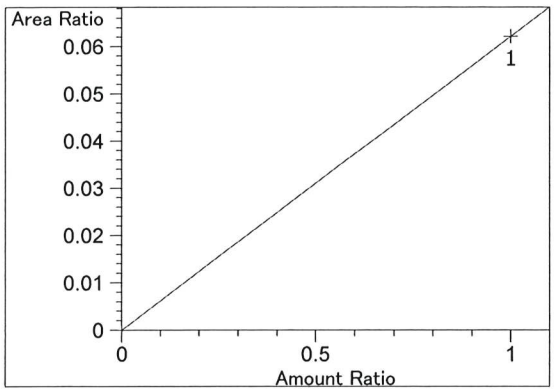
Peak Sum Table

No Entries in table

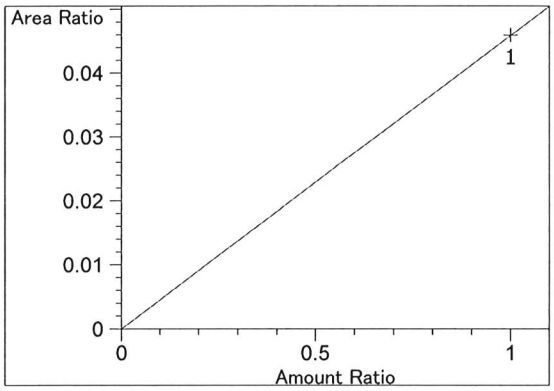
Calibration Curves



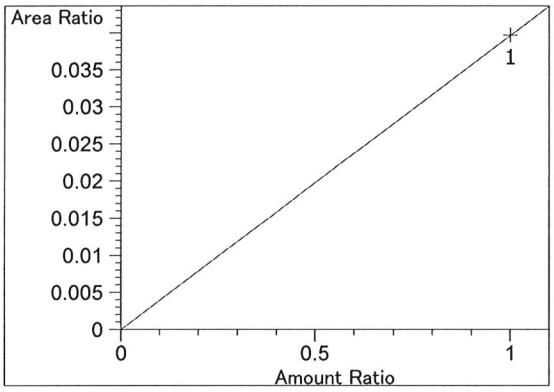
Difluoroethane at exp. RT: 2.165
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51505e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



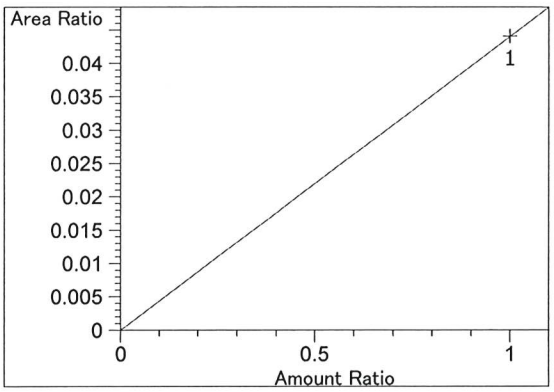
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 6.21198e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.59276e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

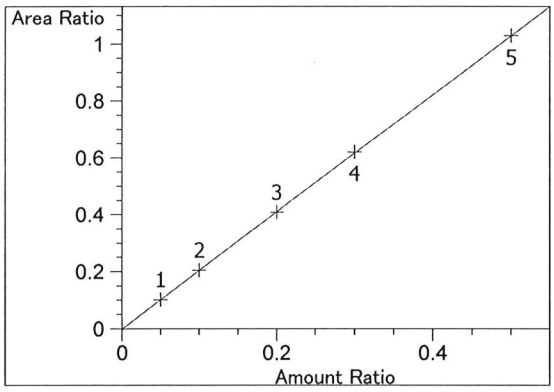


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.96711e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

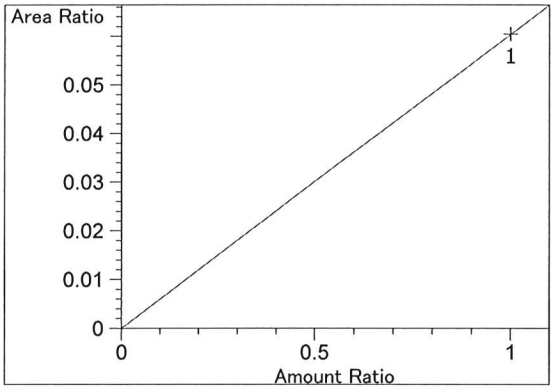


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.40601e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

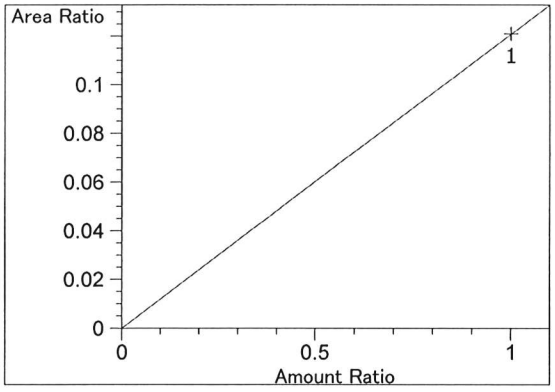
99



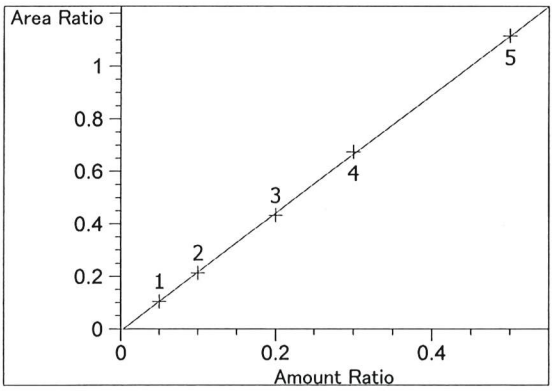
Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00242
Formula: y = mx + b
m: 2.06163
b: -1.51813e-3
x: Amount Ratio
y: Area Ratio



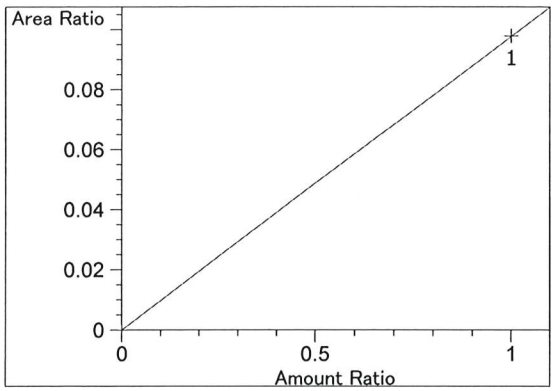
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 6.04439e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



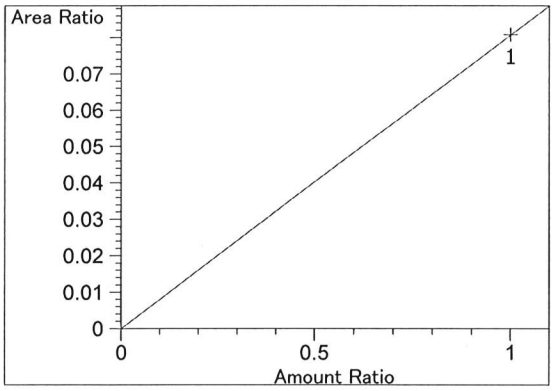
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.20892e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



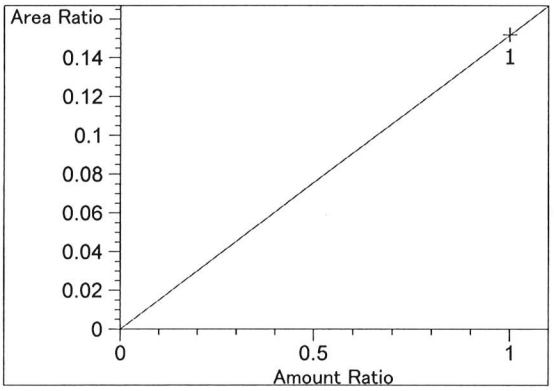
Ethanol at exp. RT: 4.184
FID2 B, Back Signal
Correlation: 0.99988
Residual Std. Dev.: 0.00733
Formula: y = mx + b
m: 2.24453
b: -6.79997e-3
x: Amount Ratio
y: Area Ratio



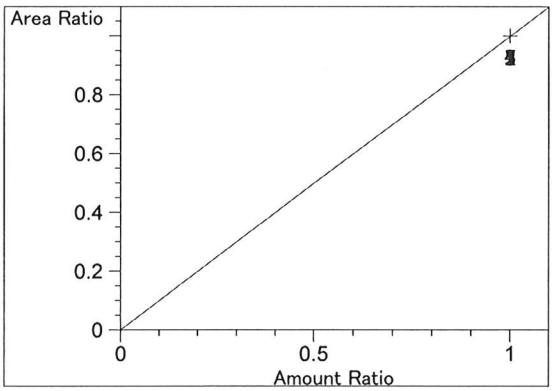
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.77885e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



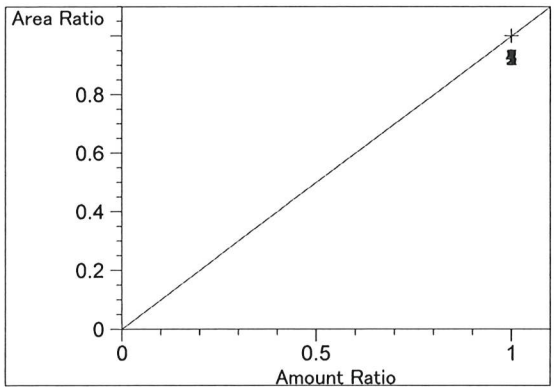
Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.07484e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51888e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.945
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

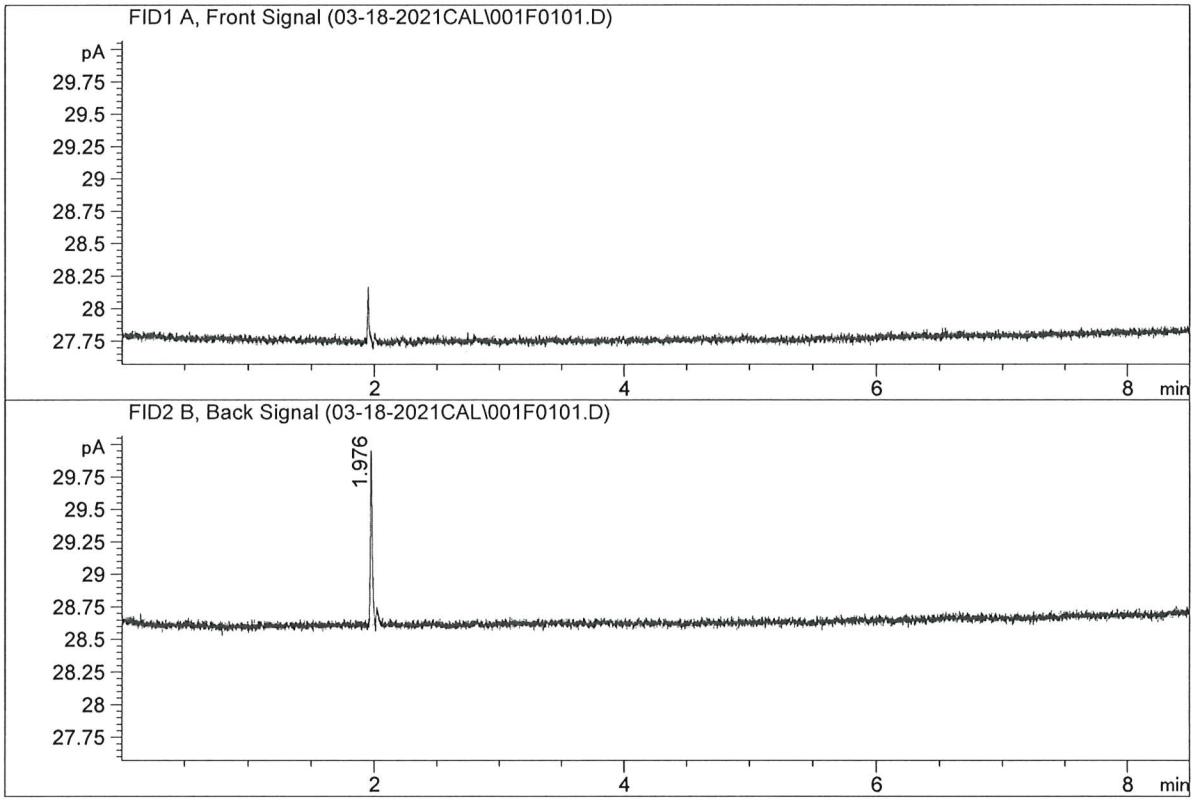


n-Propanol at exp. RT: 7.629
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

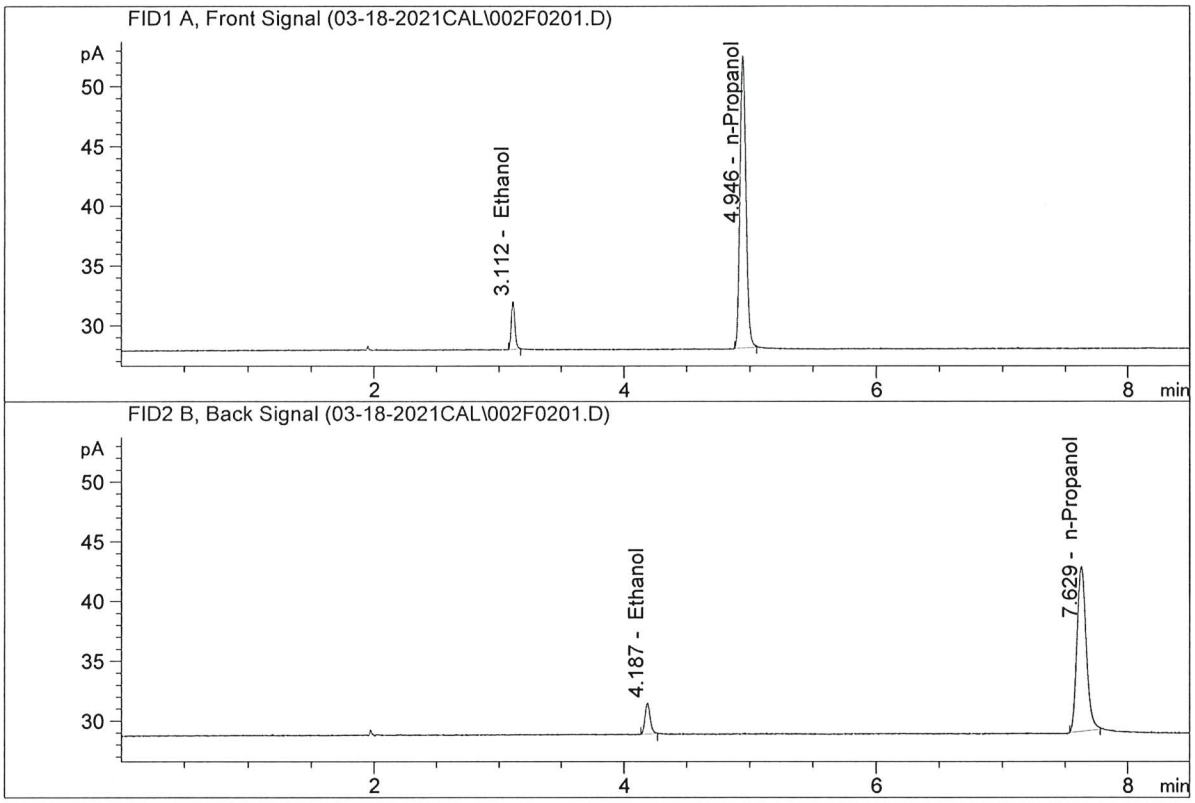


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

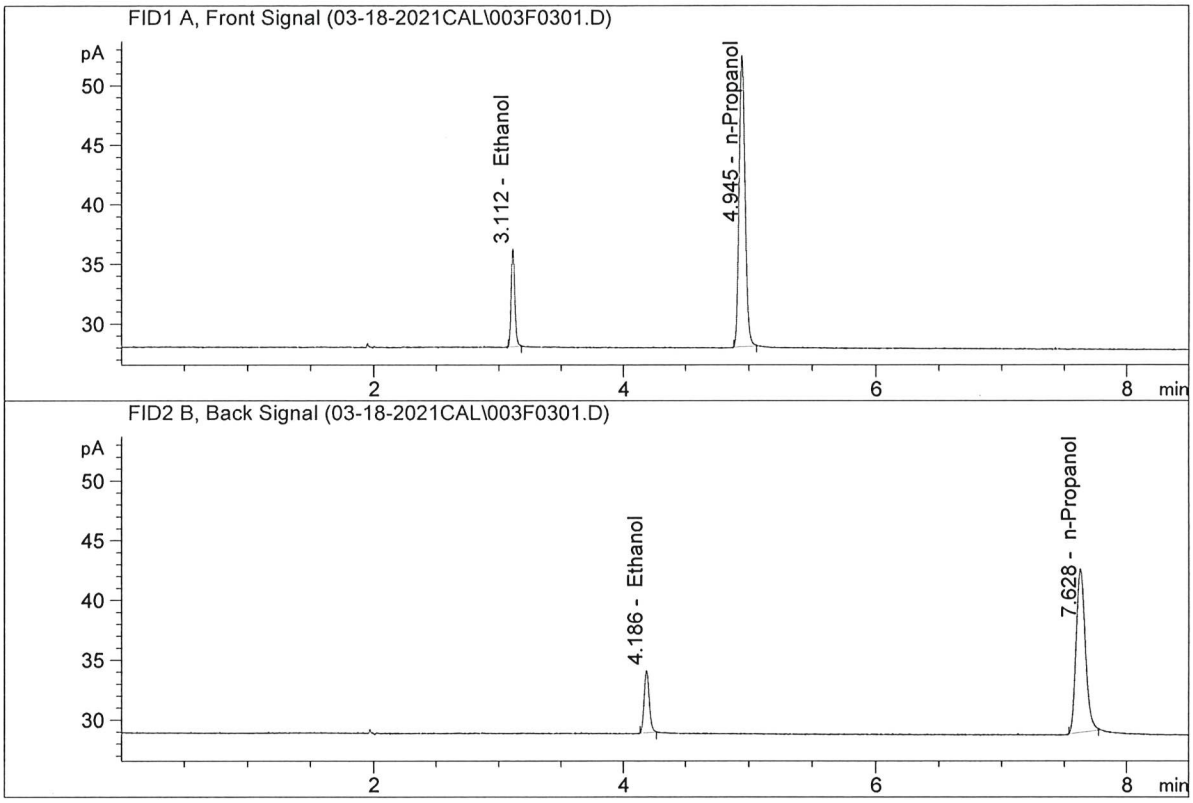


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.12487	0.0493	g/100cc
2.	Ethanol	Column 2:	7.36068	0.0494	g/100cc
3.	n-Propanol	Column 1:	80.48958	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.48893	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

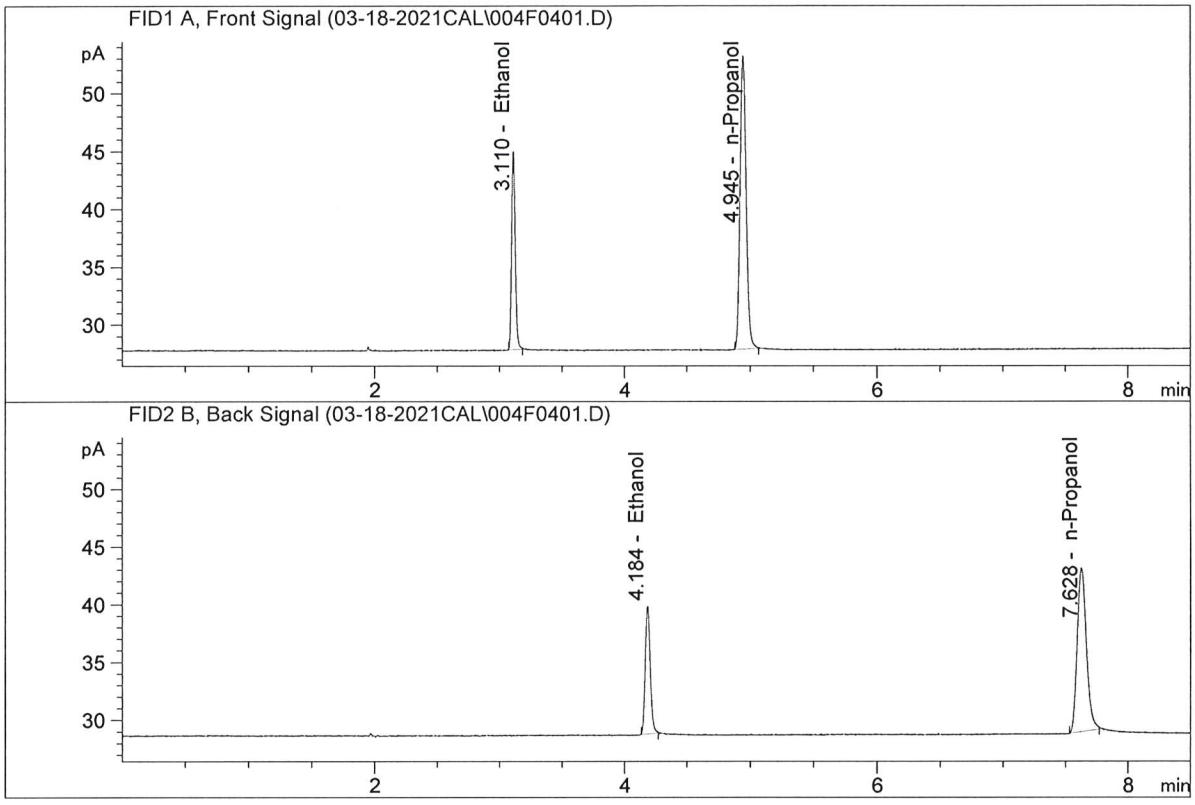
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.42620	0.0992	g/100cc
2.	Ethanol	Column 2:	14.82222	0.0977	g/100cc
3.	n-Propanol	Column 1:	80.53053	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.56420	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

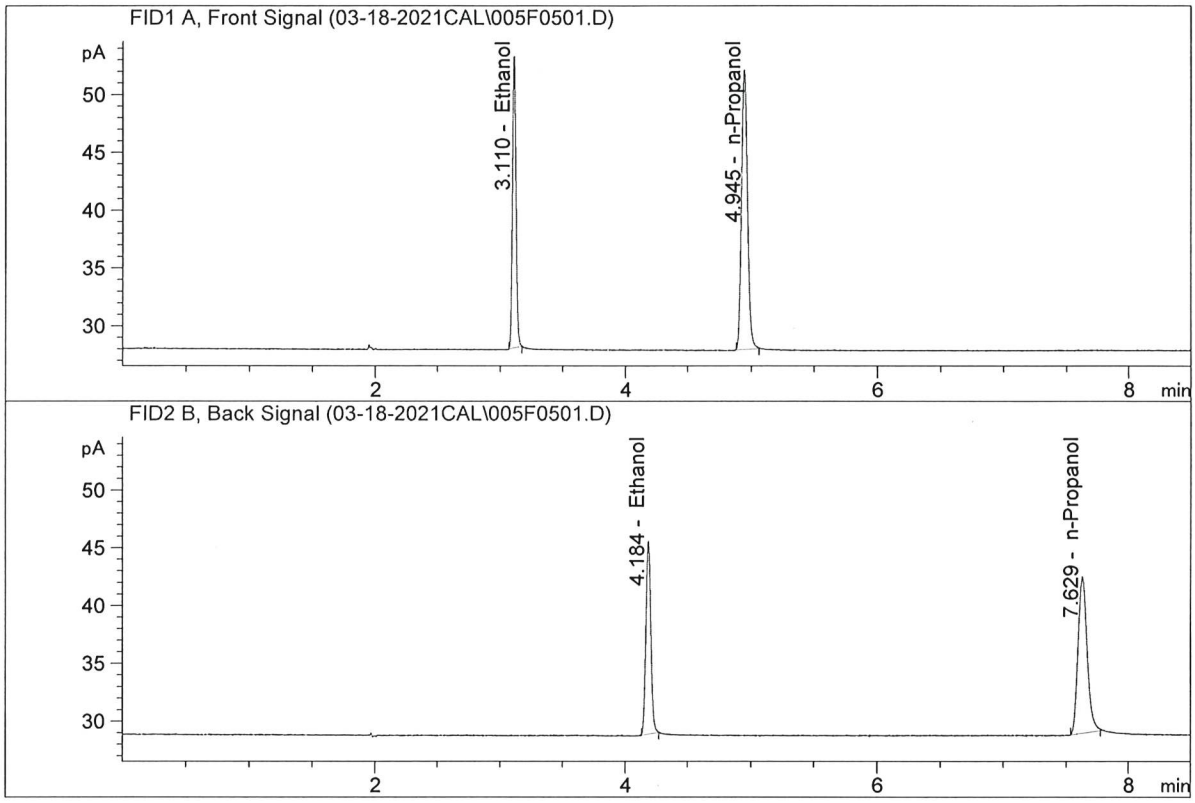
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.17638	0.1978	g/100cc
2.	Ethanol	Column 2:	31.21039	0.1955	g/100cc
3.	n-Propanol	Column 1:	83.79415	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.07390	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

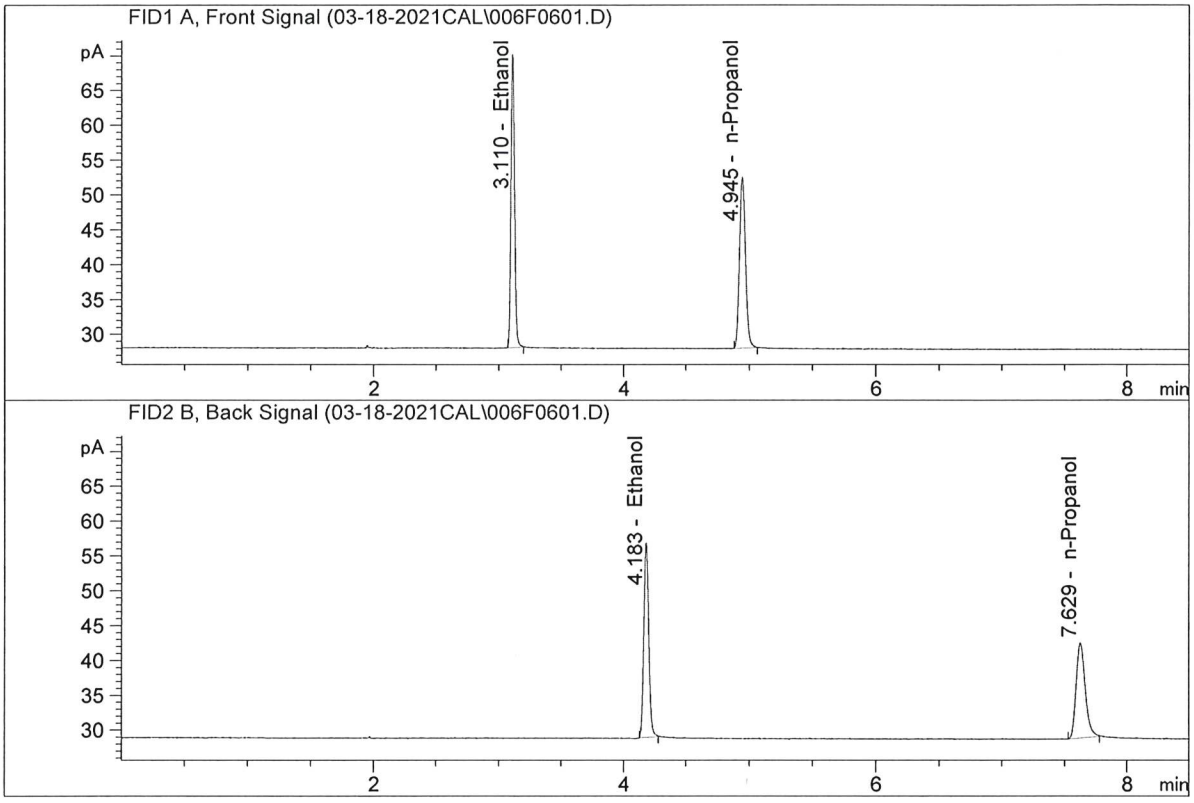


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	49.55641	0.3016	g/100cc
2.	Ethanol	Column 2:	46.34290	0.3036	g/100cc
3.	n-Propanol	Column 1:	79.88733	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.69852	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

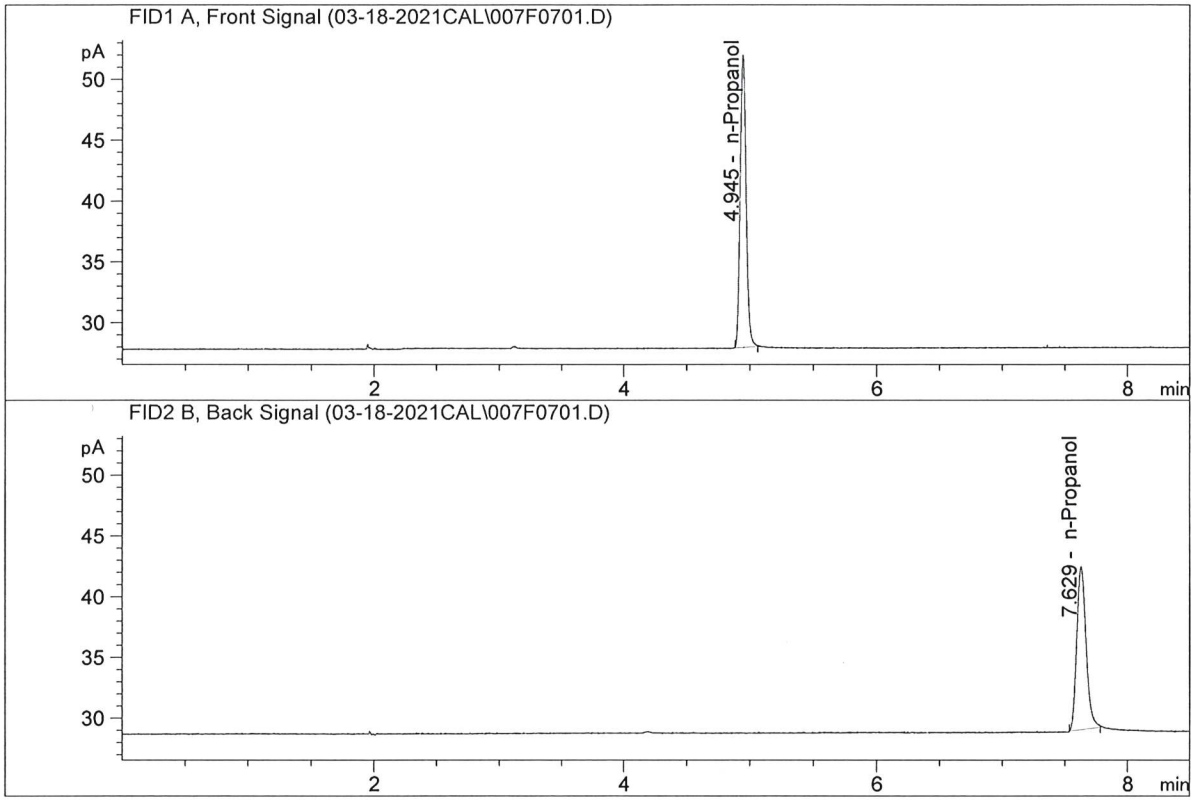


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	83.13074	0.4980	g/100cc
2.	Ethanol	Column 2:	77.47714	0.4991	g/100cc
3.	n-Propanol	Column 1:	80.81501	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.46797	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

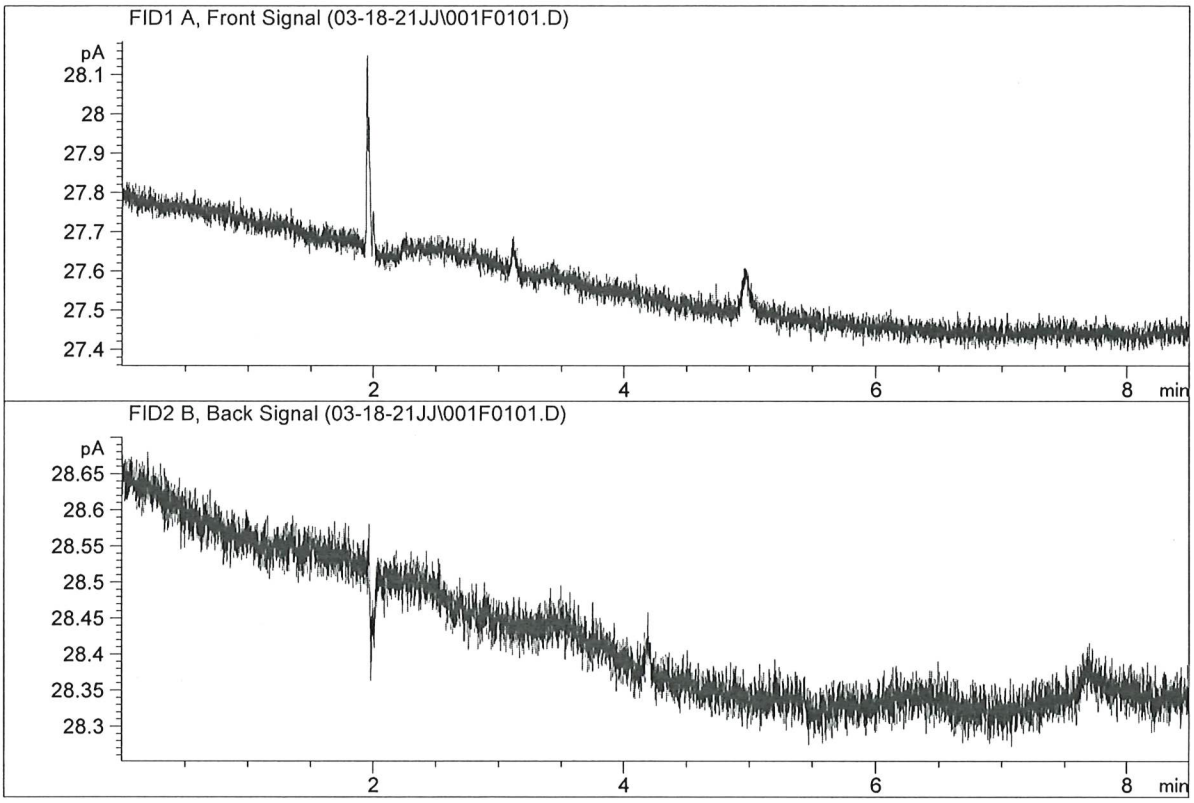


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	79.44427	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.77823	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

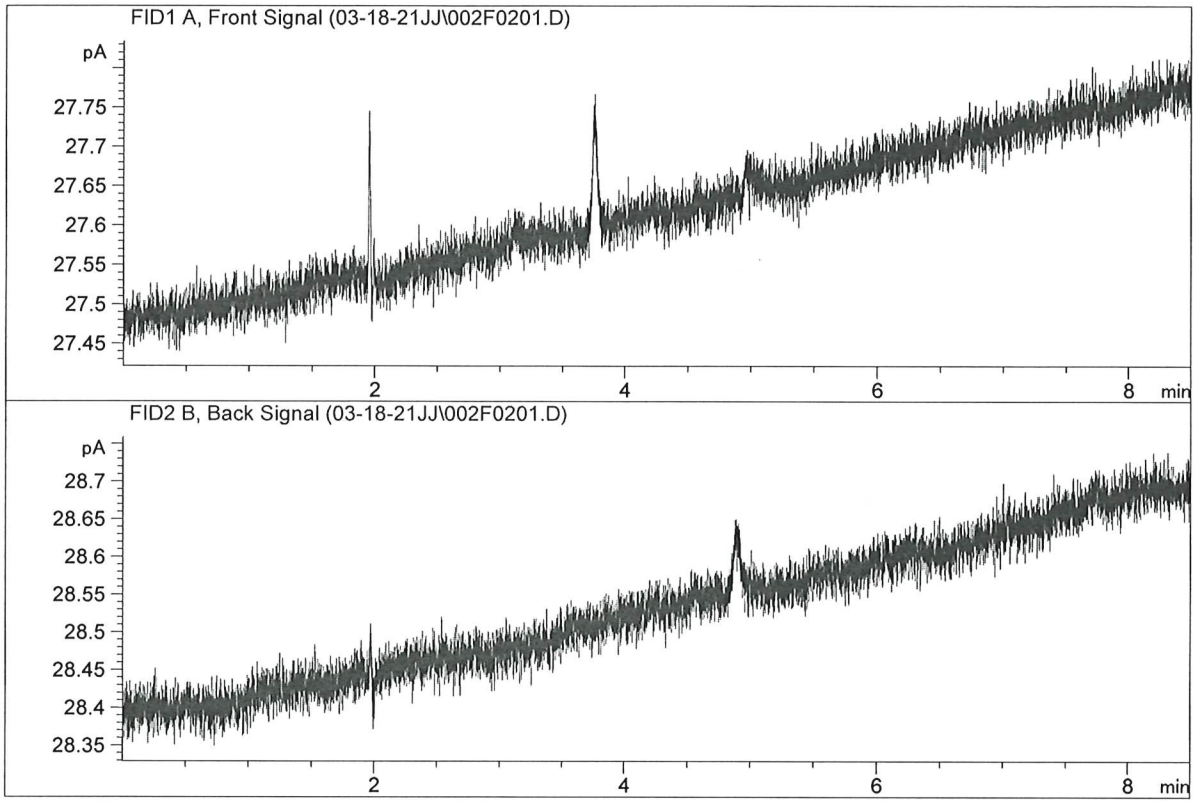
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

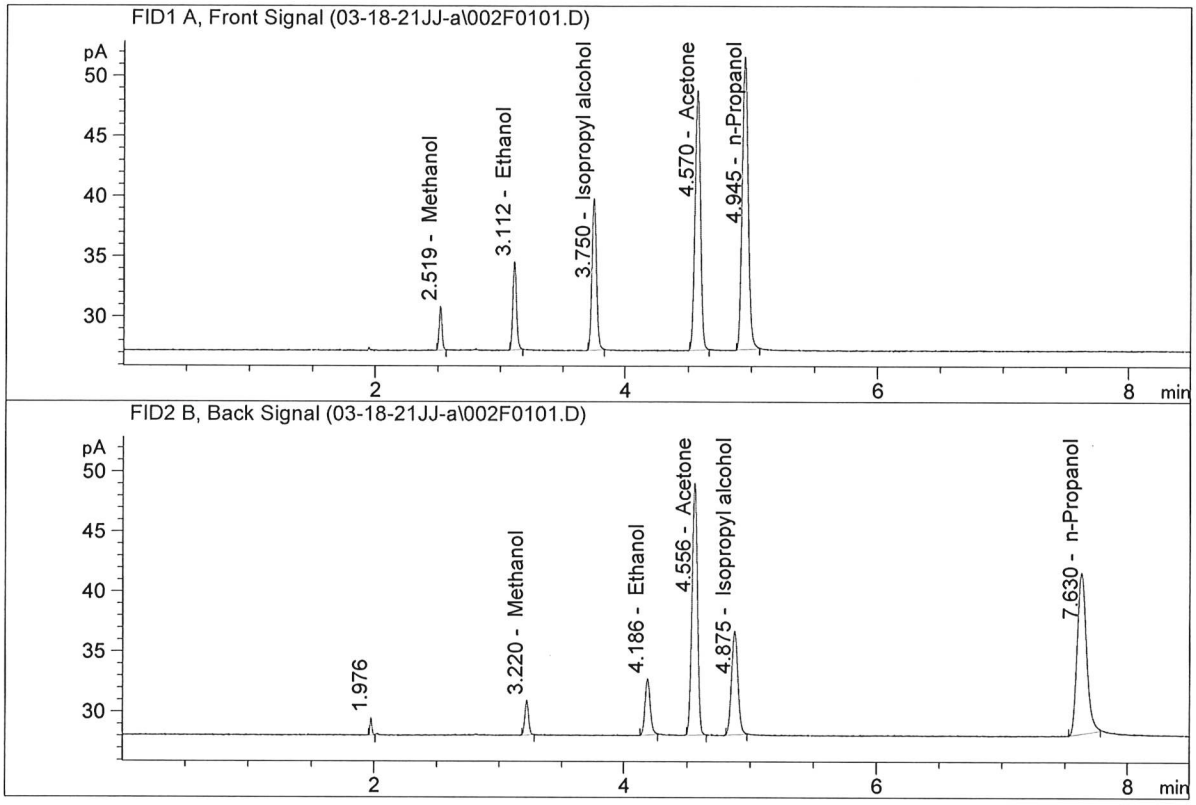


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

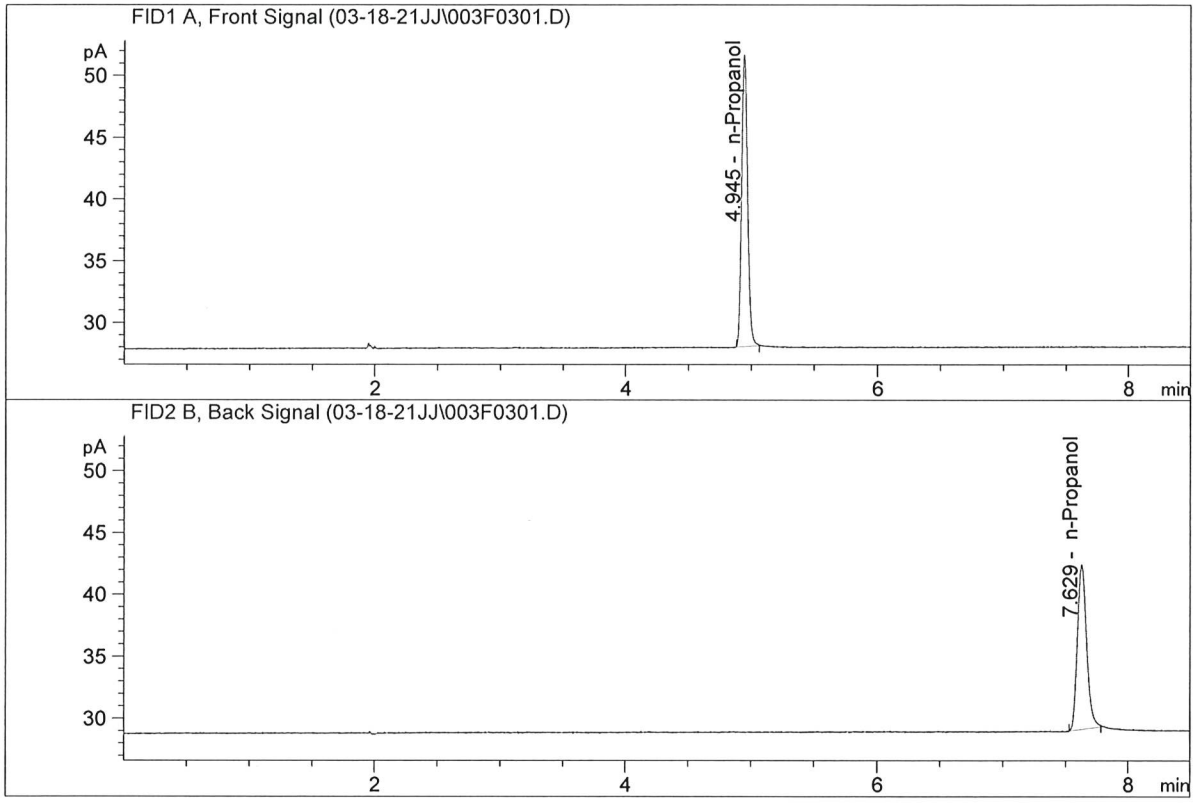
Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.72903	0.0895	g/100cc
2.	Ethanol	Column 2:	13.43966	0.0893	g/100cc
3.	n-Propanol	Column 1:	80.44409	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.41176	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
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:	78.21375	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.04320	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 18 Mar 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1924	0.1922	0.0002	0.1923	0.0003	0.1924
(g/100cc)	0.1931	0.1922	0.0009	0.1926		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

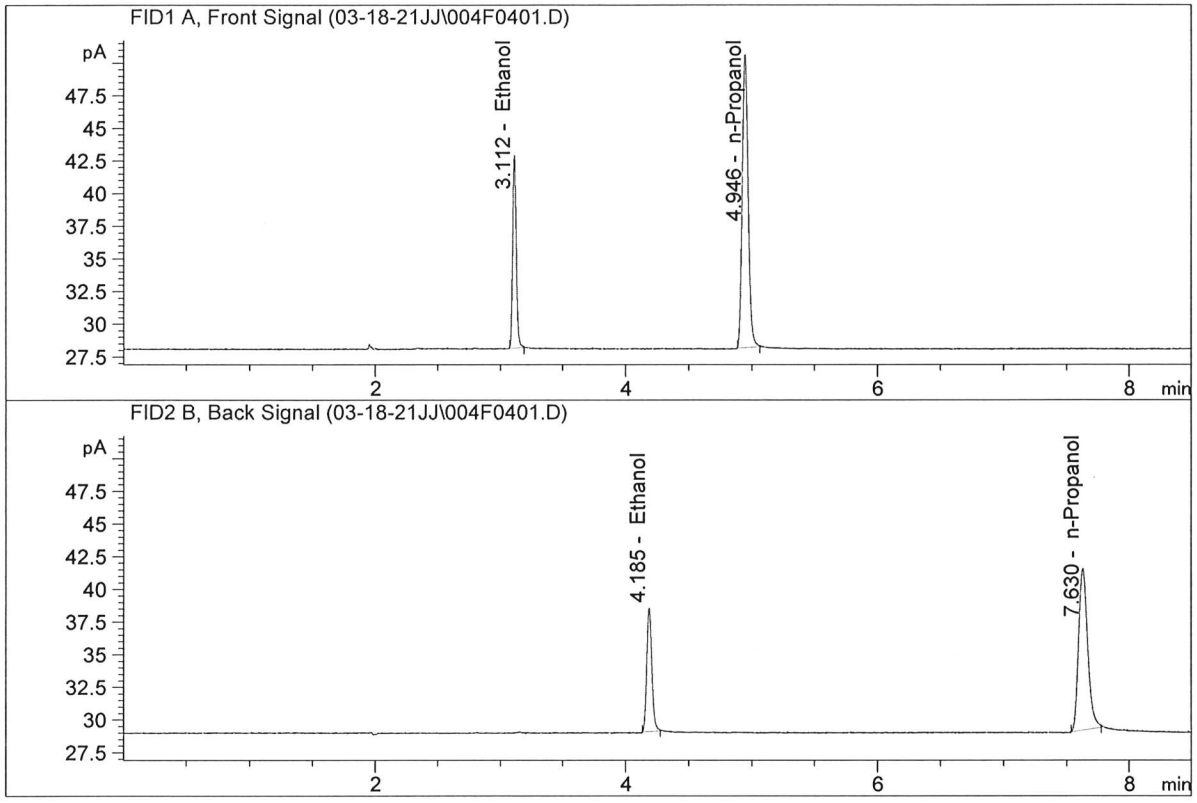
Overall Mean (g/100cc)	Low	High	5% of Mean
0.192	**0.182**	**0.202**	**0.010**

	Reported Result	
	0.192	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

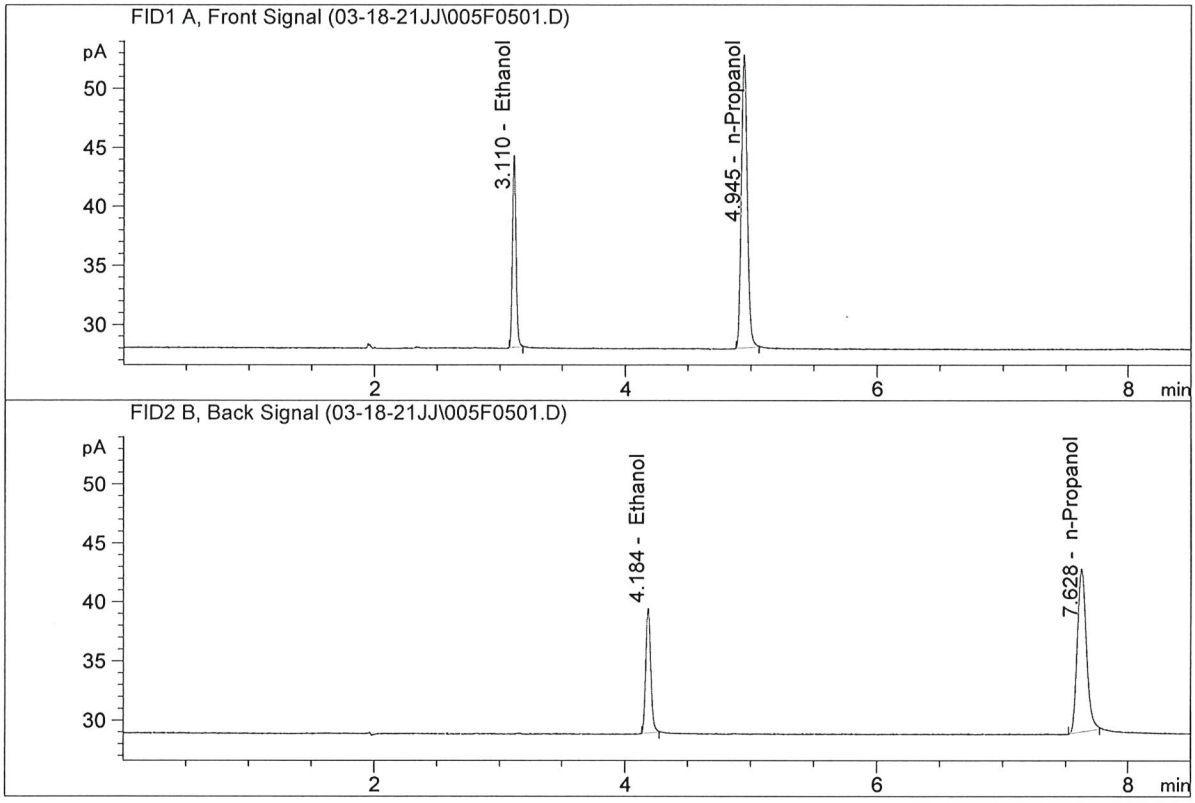
Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	29.31068	0.1924	g/100cc
2.	Ethanol	Column 2:	26.80071	0.1922	g/100cc
3.	n-Propanol	Column 1:	74.15984	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.11005	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.43296	0.1931	g/100cc
2.	Ethanol	Column 2:	29.77401	0.1922	g/100cc
3.	n-Propanol	Column 1:	81.79496	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.10880	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 18 Mar 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0809	0.0001	0.0809	0.0008	0.0805
(g/100cc)	0.0801	0.0801	0.0000	0.0801		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

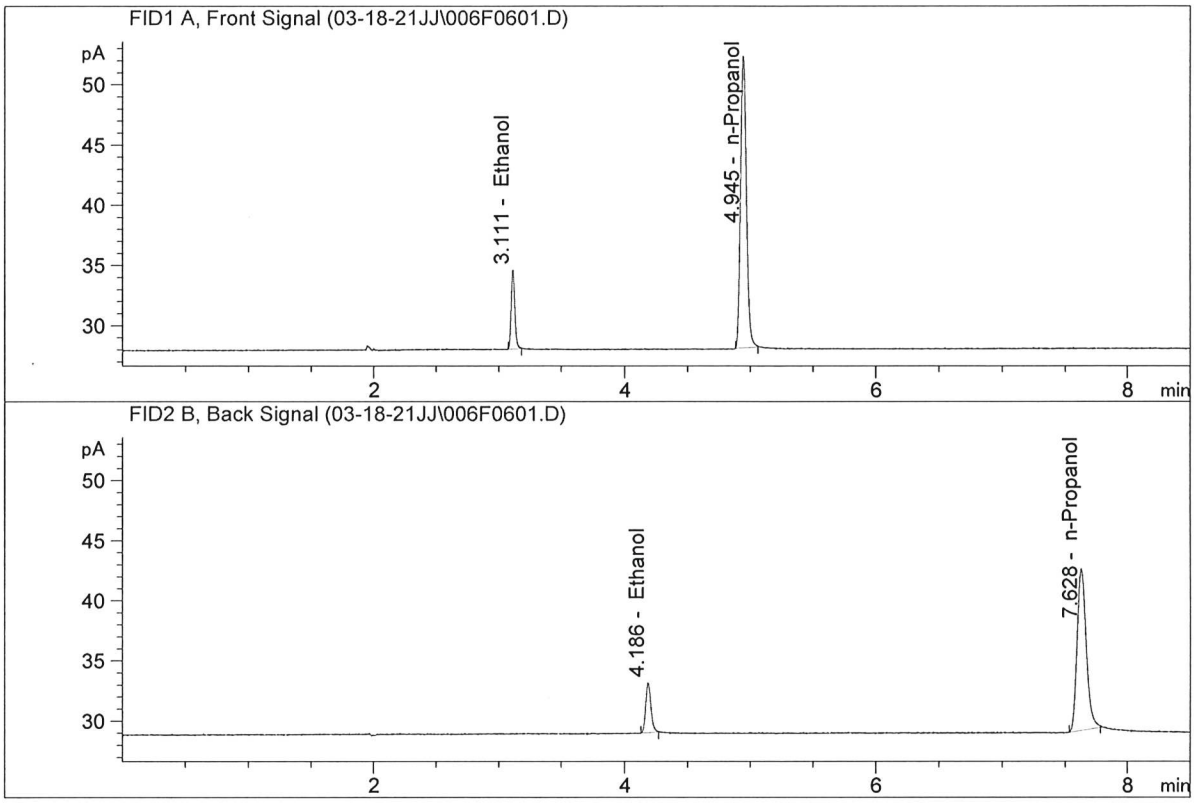
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

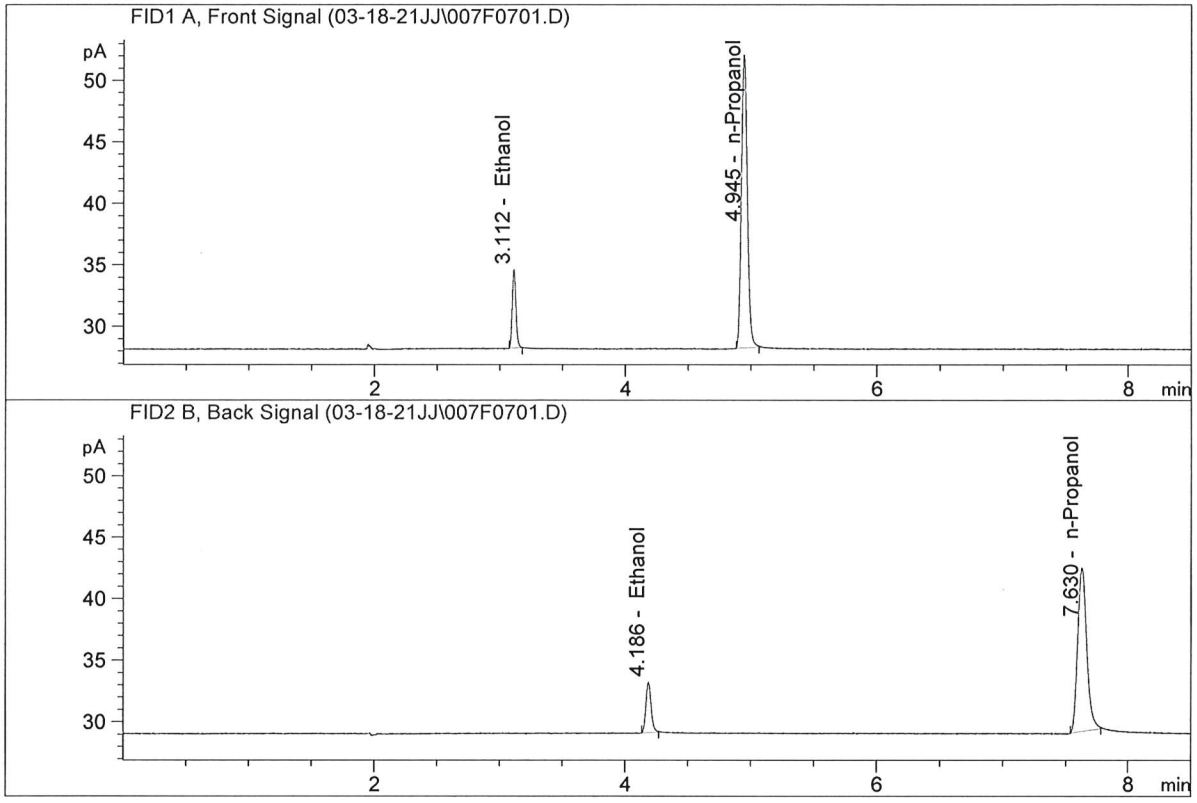
Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.20309	0.0810	g/100cc
2.	Ethanol	Column 2:	12.02587	0.0809	g/100cc
3.	n-Propanol	Column 1:	79.77170	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.84047	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.90066	0.0801	g/100cc
2.	Ethanol	Column 2:	11.72194	0.0801	g/100cc
3.	n-Propanol	Column 1:	78.79917	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.76366	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2) **Analysis Date(s): 18 Mar 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1934	0.1955	0.0021	0.1944	0.0020	0.1954
(g/100cc)	0.1953	0.1976	0.0023	0.1964		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

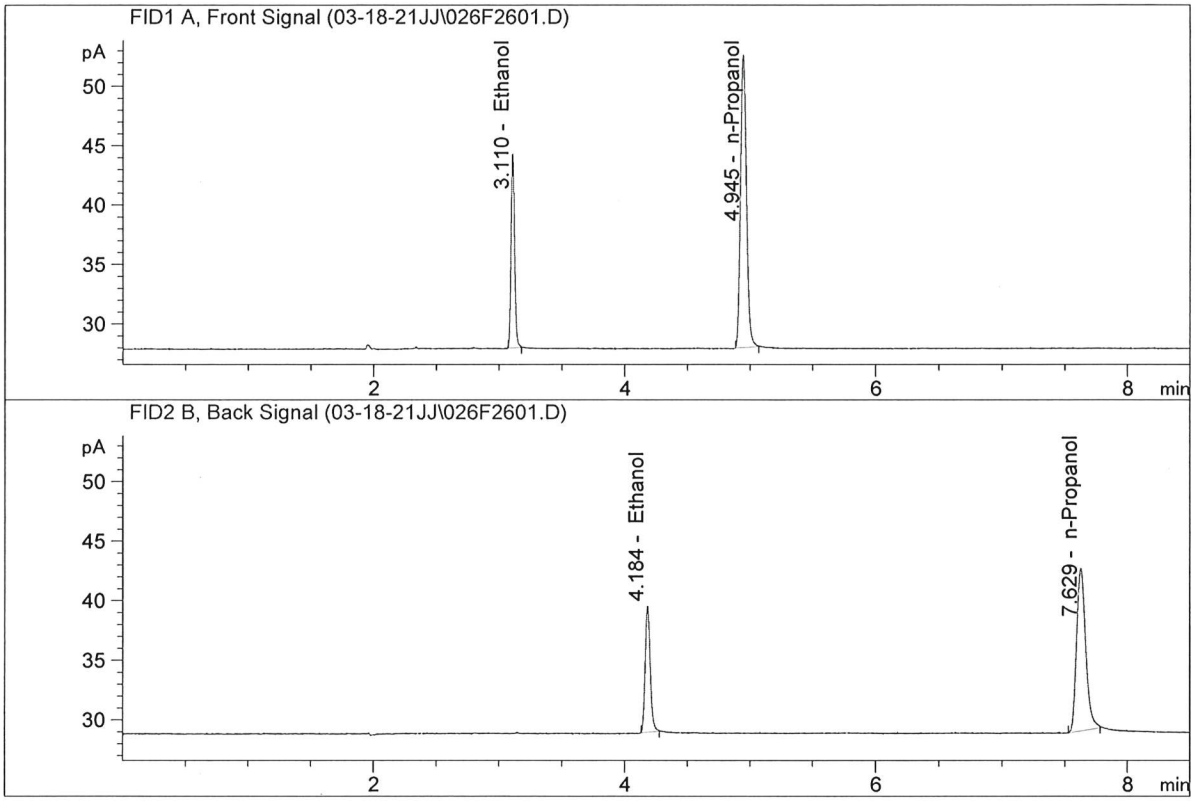
Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	**0.185**	**0.205**	**0.010**

	Reported Result	
	0.195	

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 : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

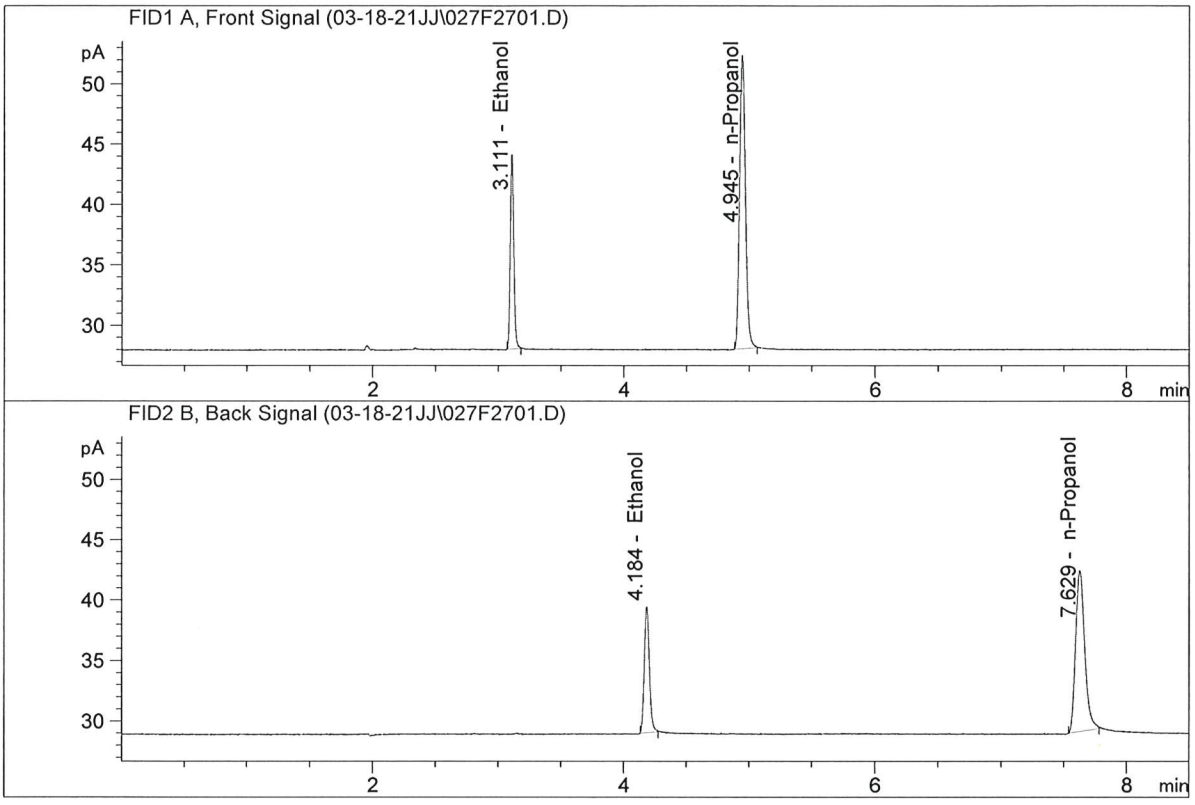


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.29903	0.1934	g/100cc
2.	Ethanol	Column 2:	29.99150	0.1955	g/100cc
3.	n-Propanol	Column 1:	81.30781	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.42850	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Mar 18, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.01665	0.1953	g/100cc
2.	Ethanol	Column 2:	29.61943	0.1976	g/100cc
3.	n-Propanol	Column 1:	79.82365	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.83549	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(2) **Analysis Date(s): 19 Mar 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.0749	0.0757	0.0008	0.0753	0.0008	0.0757
	0.0757	0.0766	0.0009	0.0761		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

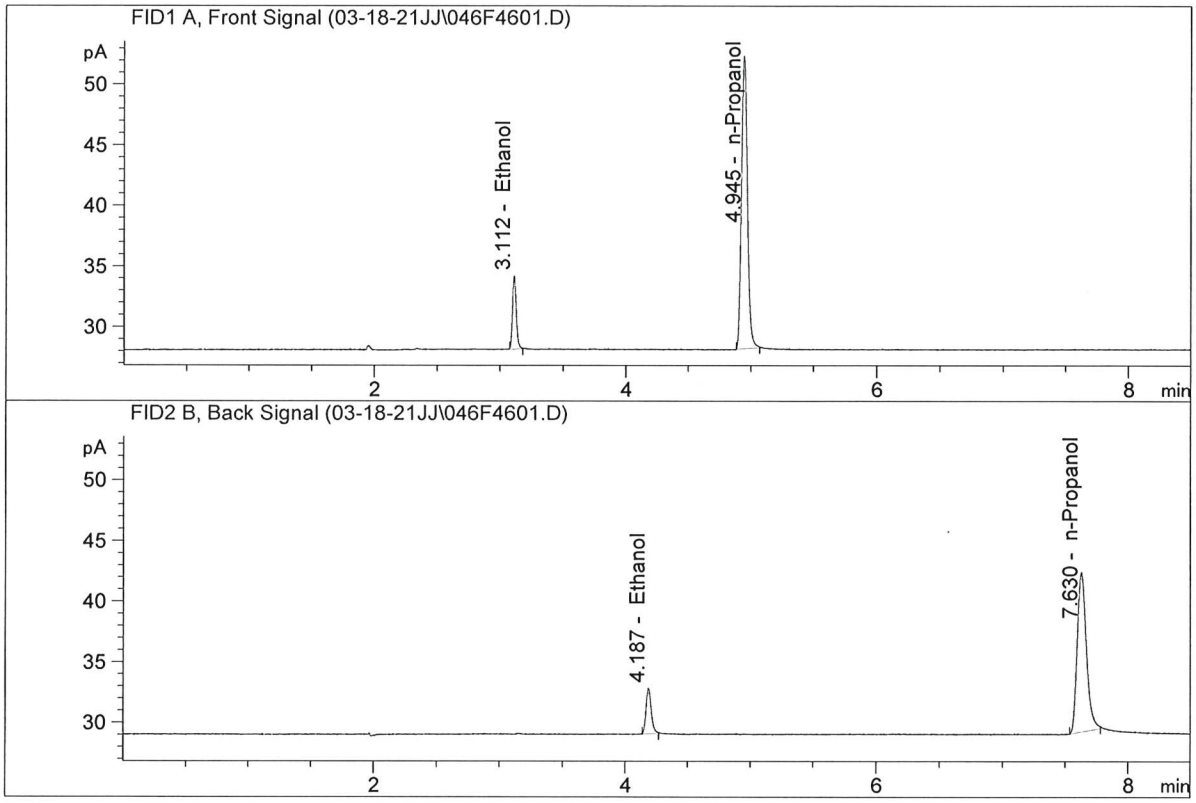
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	**0.071**	**0.079**	**0.004**

	Reported Result	
	0.075	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

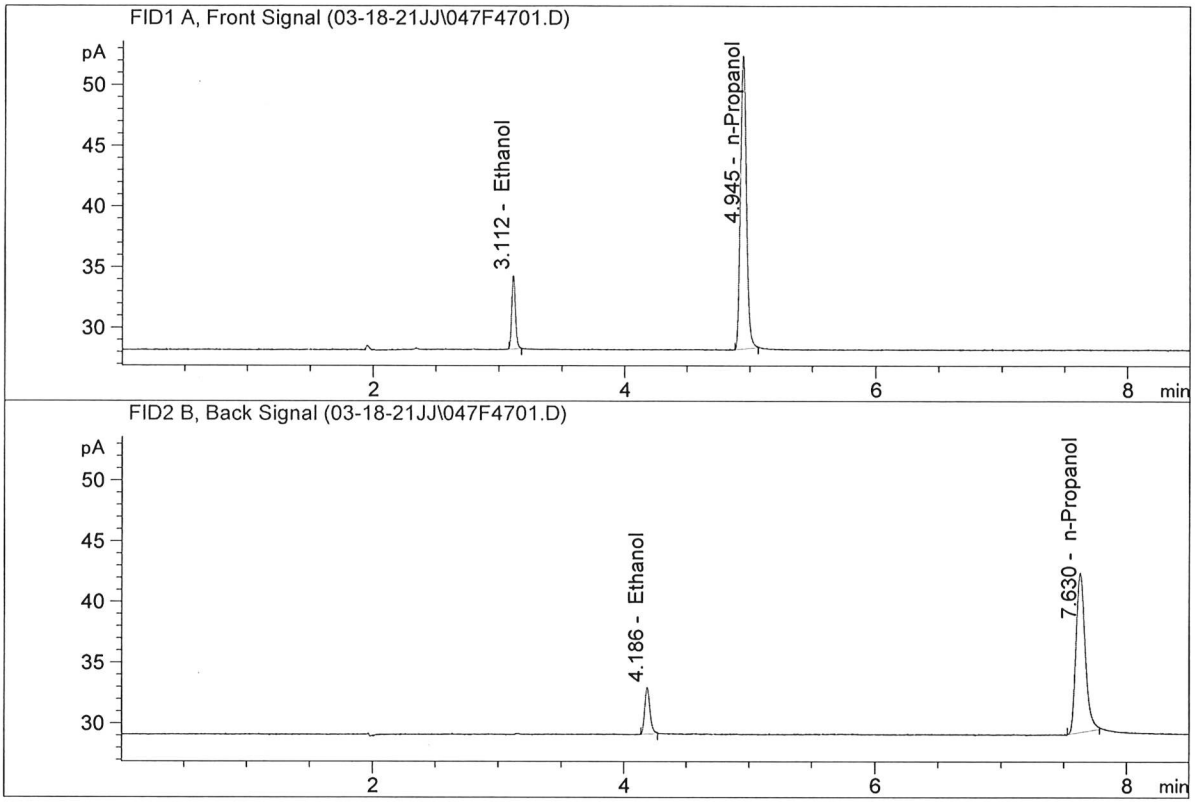
Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Mar 19, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.21608	0.0749	g/100cc
2.	Ethanol	Column 2:	10.92336	0.0757	g/100cc
3.	n-Propanol	Column 1:	79.92365	1.0000	g/100cc
4.	n-Propanol	Column 2:	66.98241	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-B
Laboratory : Coeur d' Alene
Injection Date : Mar 19, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

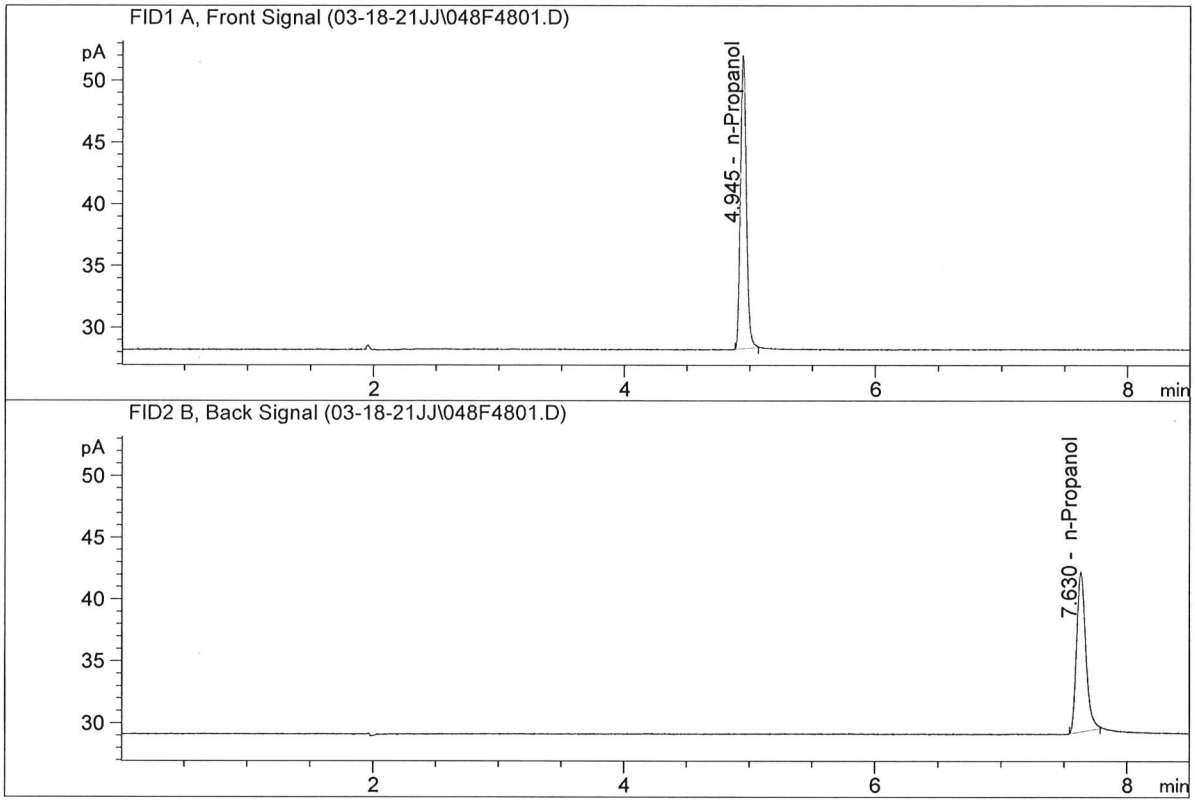


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.33402	0.0757	g/100cc
2.	Ethanol	Column 2:	11.10425	0.0766	g/100cc
3.	n-Propanol	Column 1:	79.80653	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.21648	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

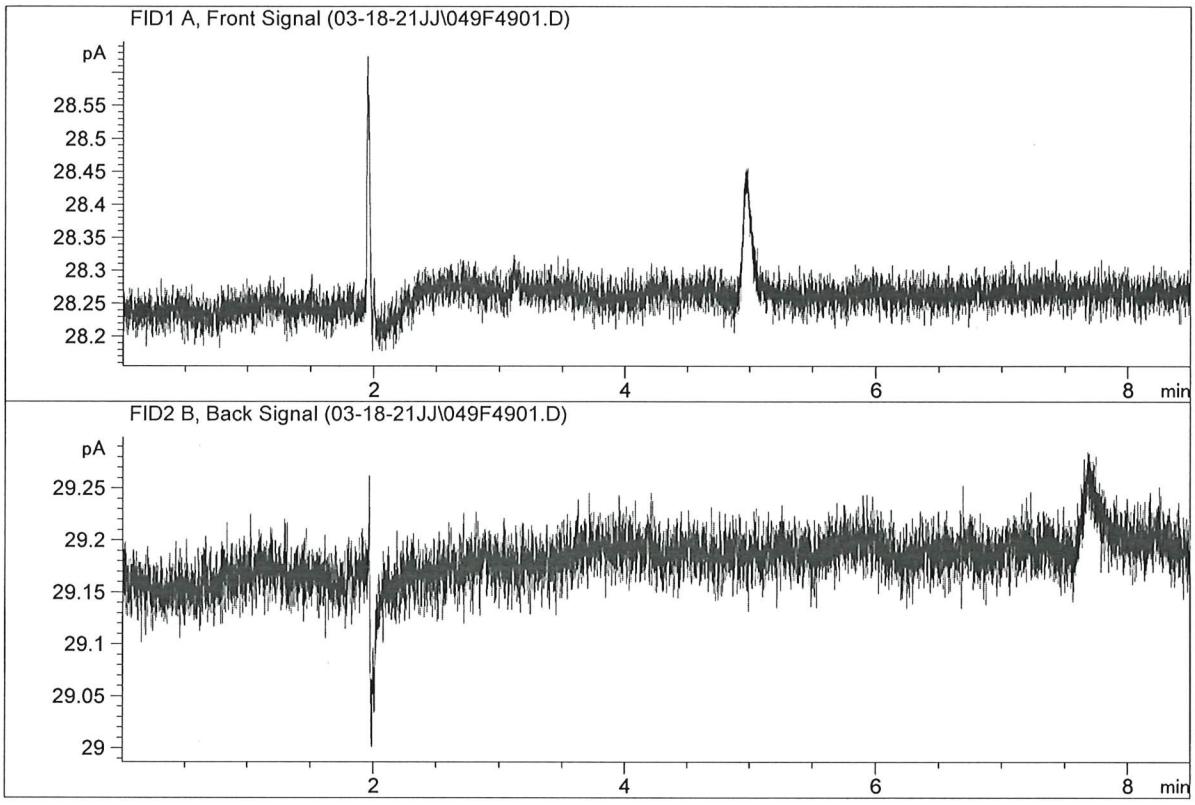
Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Mar 19, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	78.23801	1.0000	g/100cc
4.	n-Propanol	Column 2:	65.88495	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Mar 19, 2021
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