4/16/2021

Worklist: ~~4908~~ 4920 JJ 4/21/21

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2021-0620	1	BCK	Alcohol Analysis
C2021-0634	1	BCK	Alcohol Analysis
C2021-0653	1	BCK	Alcohol Analysis
C2021-0655	1	BCK	Alcohol Analysis
C2021-0699	4	BCK	Alcohol Analysis
C2021-0719	1	BCK	Alcohol Analysis
C2021-0727	1	BCK	Alcohol Analysis
C2021-0752	1	BCK	Alcohol Analysis
C2021-0756	1	BCK	Alcohol Analysis
C2021-0772	1	BCK	Alcohol Analysis
C2021-0793	1	BCK	Alcohol Analysis
C2021-0807	1	BCK	Alcohol Analysis
C2021-0834	1	BCK	Alcohol Analysis
C2021-0836	2	BCK	Alcohol Analysis
C2021-0838	1	BCK	Alcohol Analysis
C2021-0856	1	BCK	Alcohol Analysis
C2021-0871	1	BCK	Alcohol Analysis
C2021-0893	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): 4-17-2021**

4920

worklist #~~4908~~ JJ 4/21/21

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0747 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1924 g/100cc
					0.1941 g/100cc
					g/100cc

Multi-Component mixture:	**Jul-22**	**Lot #**	FN07101701		OK
Curve Fit:	**Column 1**	0.99999	**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	0.0500	0.0504	0.0004	0.0502
100	0.100	0.090 - 0.110	0.1002	0.0984	0.0018	0.0993
200	0.200	0.180 - 0.220	0.2003	0.1974	0.0029	0.1988
300	0.300	0.270 - 0.330	0.2983	0.2969	0.0014	0.2976
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5009	0.5032	0.0023	0.502

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

REVIEWED
By Rachel Cutler at 1:11 pm, Apr 23, 2021

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.04.2021_02.01.02\04-17-2021.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.04.2021_02.01.02\04-17-2021.S
Data directory path: C:\Chem32\1\Data\04-17-21JJ
Logbook: C:\Chem32\1\Data\04-17-21JJ\04-17-2021.LOG
Sequence start: 4/17/2021 2:14:51 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		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	C2021-0620-1-A	-	1.0000	008F0801.D		4
9	9	1	C2021-0620-1-B	-	1.0000	009F0901.D		4
10	10	1	C2021-0634-1-A	-	1.0000	010F1001.D		4
11	11	1	C2021-0634-1-B	-	1.0000	011F1101.D		4
12	12	1	C2021-0653-1-A	-	1.0000	012F1201.D		4
13	13	1	C2021-0653-1-B	-	1.0000	013F1301.D		4
14	14	1	C2021-0655-1-A	-	1.0000	014F1401.D		4
15	15	1	C2021-0655-1-B	-	1.0000	015F1501.D		4
16	16	1	C2021-0699-4-A	-	1.0000	016F1601.D		2
17	17	1	C2021-0699-4-B	-	1.0000	017F1701.D		2
18	18	1	C2021-0719-1-A	-	1.0000	018F1801.D		2
19	19	1	C2021-0719-1-B	-	1.0000	019F1901.D		2
20	20	1	C2021-0727-1-A	-	1.0000	020F2001.D		4
21	21	1	C2021-0727-1-B	-	1.0000	021F2101.D		4
22	22	1	C2021-0752-1-A	-	1.0000	022F2201.D		4
23	23	1	C2021-0752-1-B	-	1.0000	023F2301.D		4
24	24	1	C2021-0756-1-A	-	1.0000	024F2401.D		4
25	25	1	C2021-0756-1-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	C2021-0772-1-A	-	1.0000	028F2801.D		4
29	29	1	C2021-0772-1-B	-	1.0000	029F2901.D		4
30	30	1	C2021-0793-1-A	-	1.0000	030F3001.D		2
31	31	1	C2021-0793-1-B	-	1.0000	031F3101.D		2
32	32	1	C2021-0807-1-A	-	1.0000	032F3201.D		4
33	33	1	C2021-0807-1-B	-	1.0000	033F3301.D		4
34	34	1	C2021-0834-1-A	-	1.0000	034F3401.D		4
35	35	1	C2021-0834-1-B	-	1.0000	035F3501.D		4
36	36	1	C2021-0836-2-A	-	1.0000	036F3601.D		2
37	37	1	C2021-0836-2-B	-	1.0000	037F3701.D		2
38	38	1	C2021-0838-1-A	-	1.0000	038F3801.D		2
39	39	1	C2021-0838-1-B	-	1.0000	039F3901.D		2
40	40	1	C2021-0856-1-A	-	1.0000	040F4001.D		4
41	41	1	C2021-0856-1-B	-	1.0000	041F4101.D		4
42	42	1	C2021-0871-1-A	-	1.0000	042F4201.D		4
43	43	1	C2021-0871-1-B	-	1.0000	043F4301.D		4
44	44	1	C2021-0893-1-A	-	1.0000	044F4401.D		4
45	45	1	C2021-0893-1-B	-	1.0000	045F4501.D		4
46	46	1	QC-1(2)-A	-	1.0000	046F4601.D		4

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.04.2021_02.01.02\04-17-2021.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

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Saturday, April 17, 2021 1:47:58 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

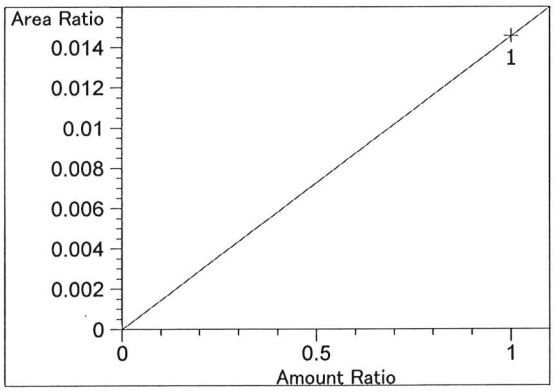
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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	8.39718	5.95438e-3	No	No	1	Ethanol
		2	1.00000e-1	17.23976	5.80054e-3				
		3	2.00000e-1	33.61501	5.94972e-3				
		4	3.00000e-1	51.16164	5.86377e-3				
		5	5.00000e-1	84.82319	5.89461e-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	7.69012	6.50185e-3	No	No	2	Ethanol
		2	1.00000e-1	15.80357	6.32768e-3				
		3	2.00000e-1	31.20159	6.40993e-3				
		4	3.00000e-1	47.76896	6.28023e-3				
		5	5.00000e-1	79.85085	6.26167e-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	83.89133	1.19202e-2	No	Yes	1	n-Propanol
		2	1.00000	85.69260	1.16696e-2				
		3	1.00000	83.40253	1.19900e-2				
		4	1.00000	85.18633	1.17390e-2				
		5	1.00000	84.05858	1.18965e-2				
7.631	2	1	1.00000	73.30227	1.36421e-2	No	Yes	2	n-Propanol
		2	1.00000	74.37613	1.34452e-2				
		3	1.00000	71.77430	1.39326e-2				
		4	1.00000	72.60036	1.37740e-2				
		5	1.00000	71.24246	1.40366e-2				

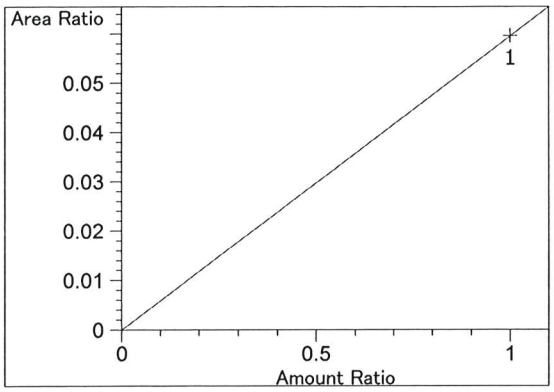
Peak Sum Table

No Entries in table

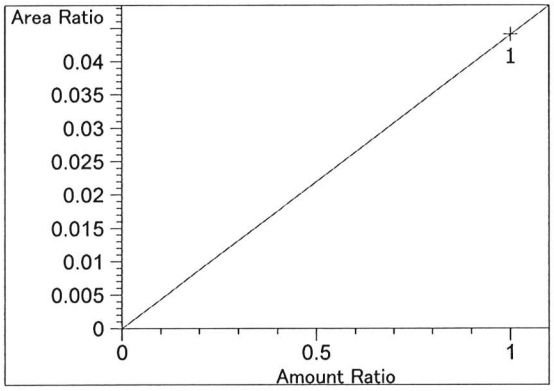
Calibration Curves



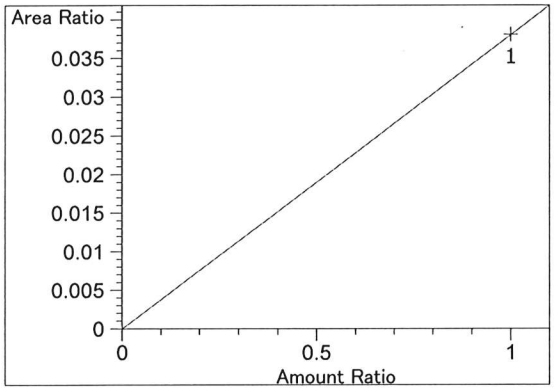
Difluoroethane at exp. RT: 2.165
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.45690e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



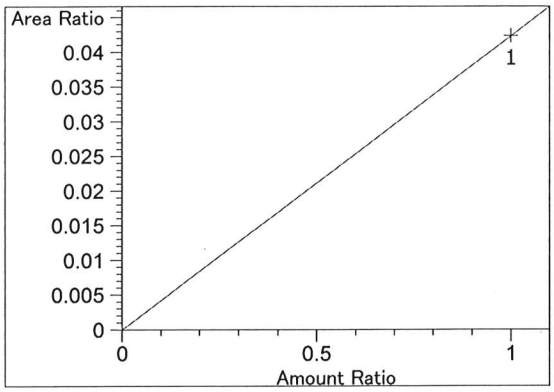
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5.96009e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.40653e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

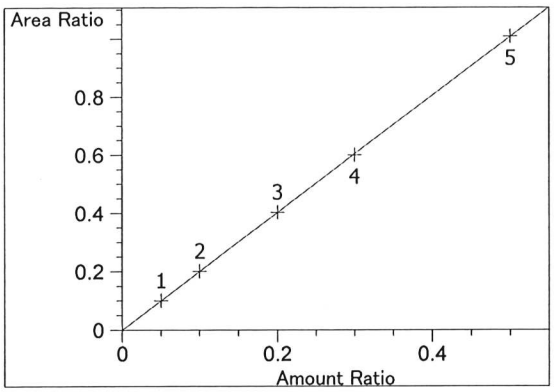


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 3.80625e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

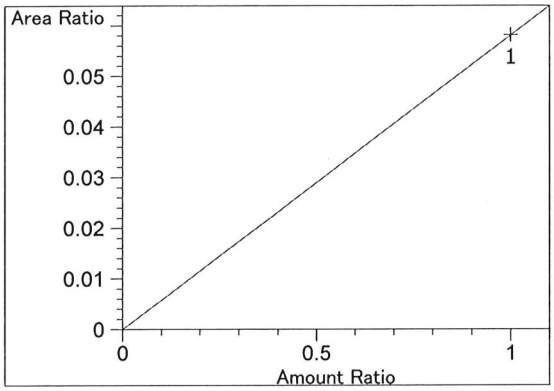


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 4.23691e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

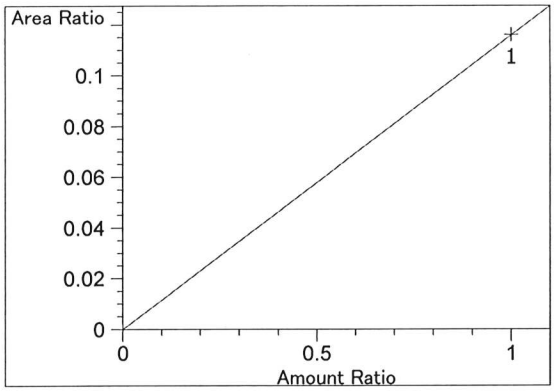
Method C:\CHEM32\1\METHODS\ALCOHOL.M



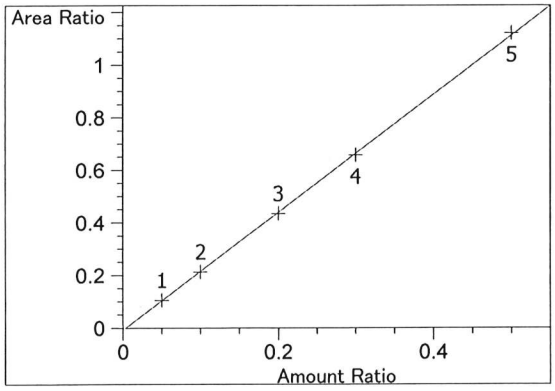
Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00203
Formula: y = mx + b
m: 2.01611
b: -7.52906e-4
x: Amount Ratio
y: Area Ratio



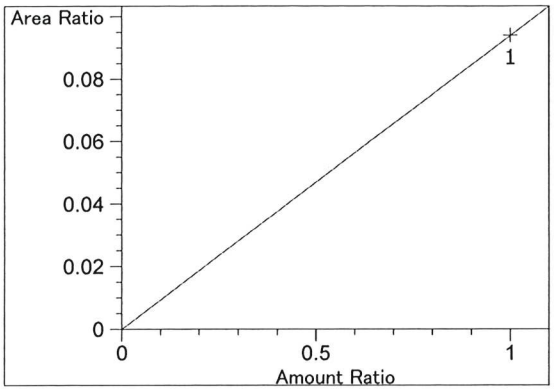
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 5.81241e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



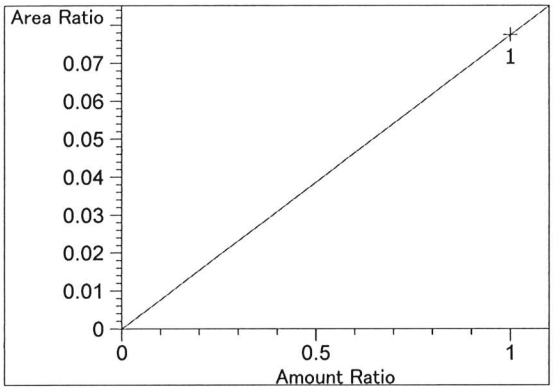
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.15990e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



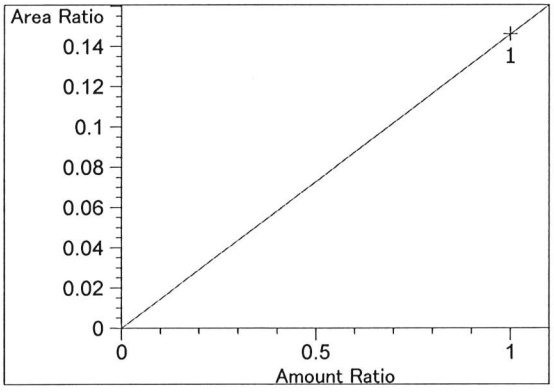
Ethanol at exp. RT: 4.184
FID2 B, Back Signal
Correlation: 0.99988
Residual Std. Dev.: 0.00734
Formula: y = mx + b
m: 2.24399
b: -8.27902e-3
x: Amount Ratio
y: Area Ratio



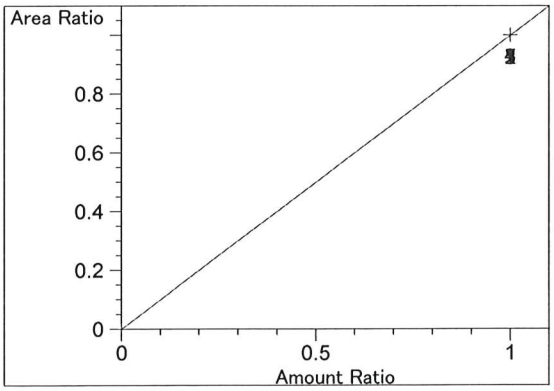
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.40354e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.74741e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

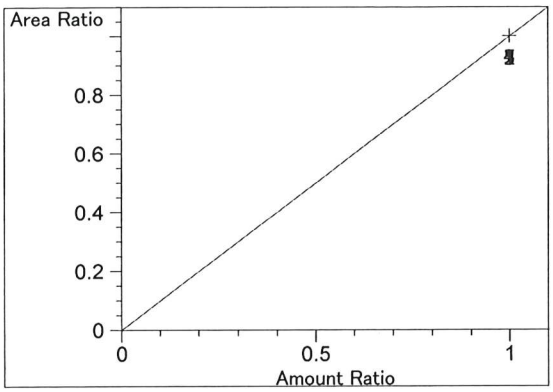


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.46058e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



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

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

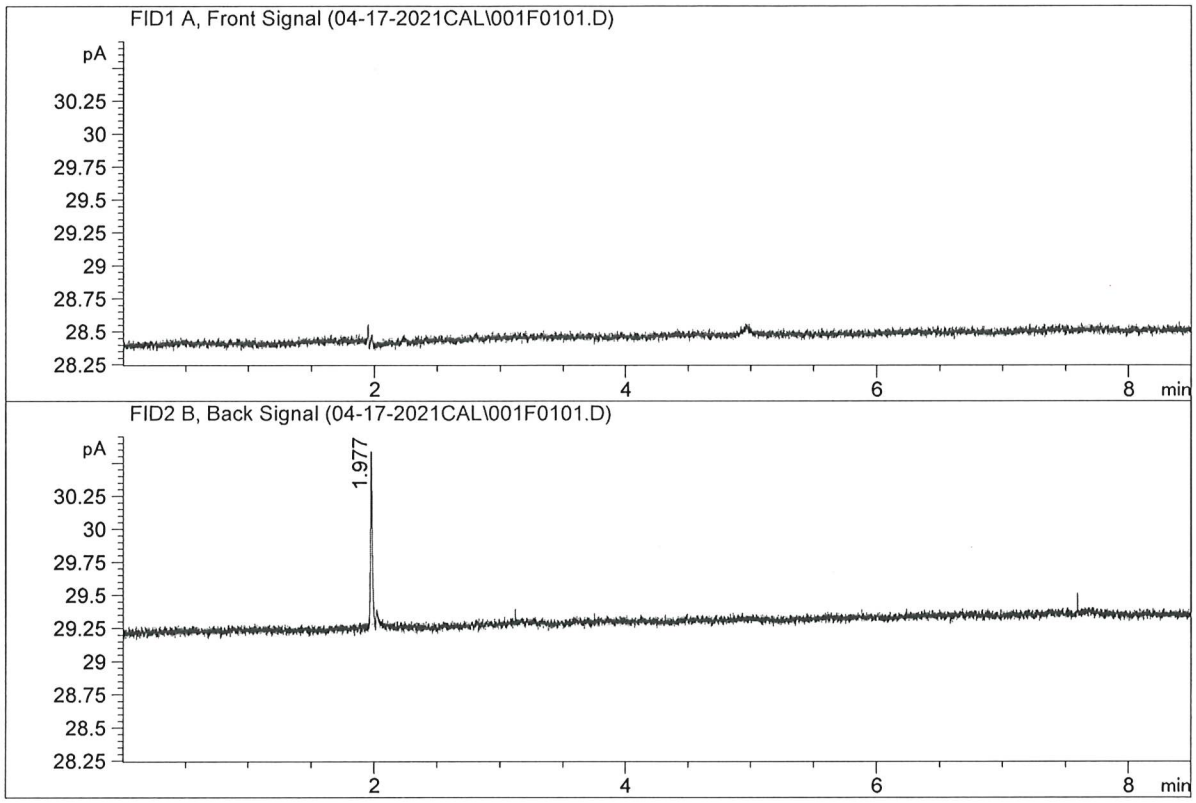


n-Propanol at exp. RT: 7.631
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.04.2021_11.47.45\04-17-2021cal.S

Sample Summary

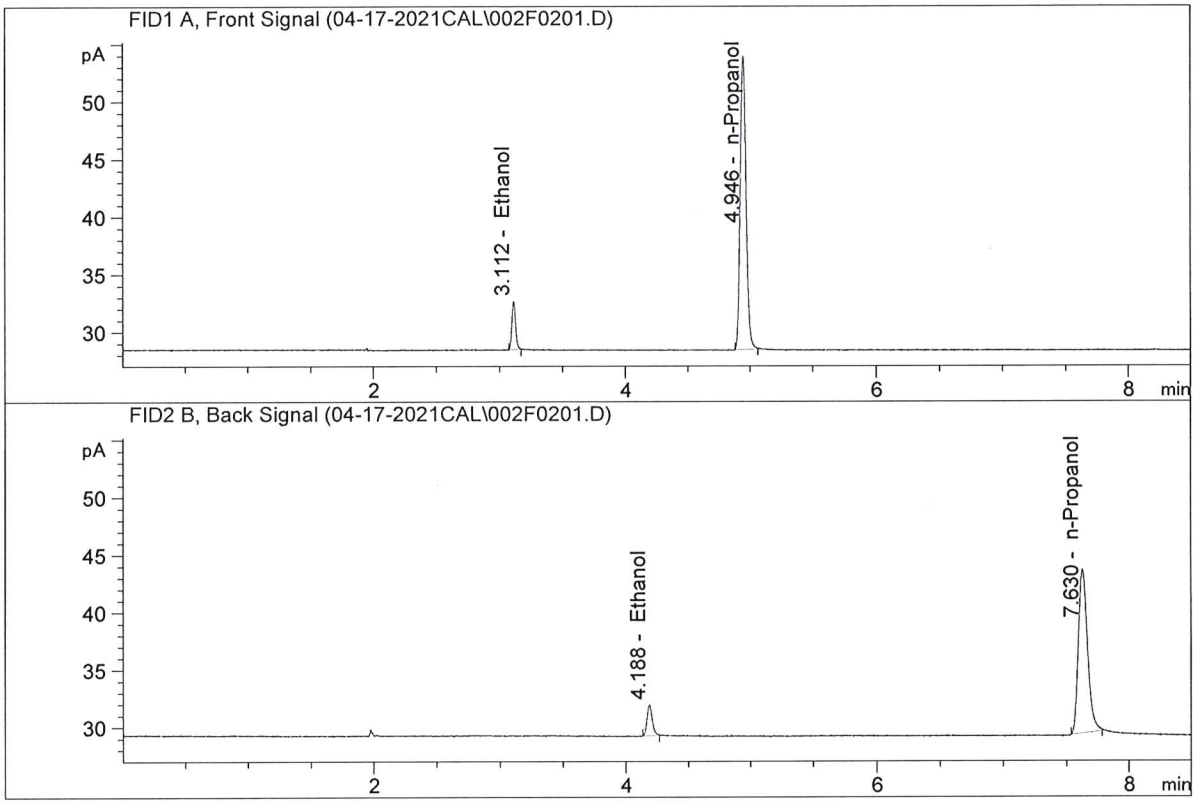
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.04.2021_11.47.45\04-17-2021cal.S
Data directory path: C:\Chem32\1\Data\04-17-2021CAL
Logbook: C:\Chem32\1\Data\04-17-2021CAL\04-17-2021cal.LOG
Sequence start: 4/17/2021 12:01:28 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

ISP Forensic Services Blood Alcohol Report

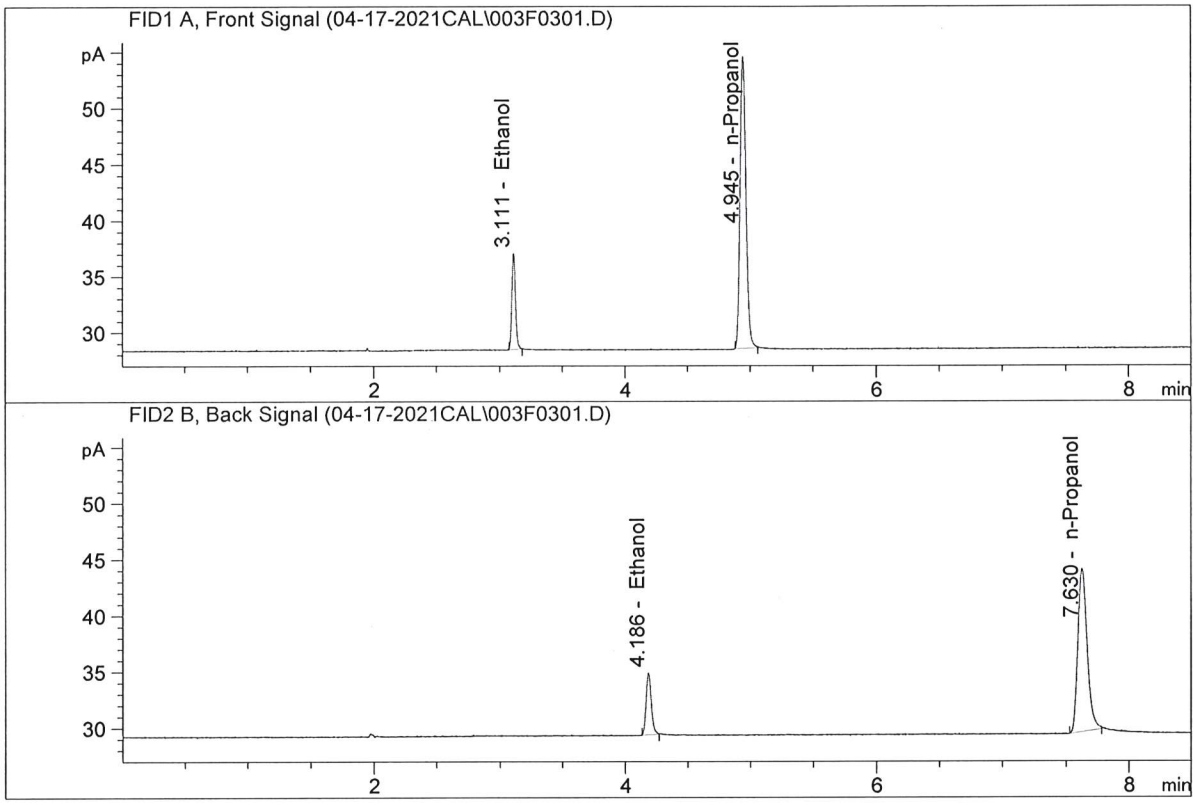
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.39718	0.0500	g/100cc
2.	Ethanol	Column 2:	7.69012	0.0504	g/100cc
3.	n-Propanol	Column 1:	83.89133	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.30227	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

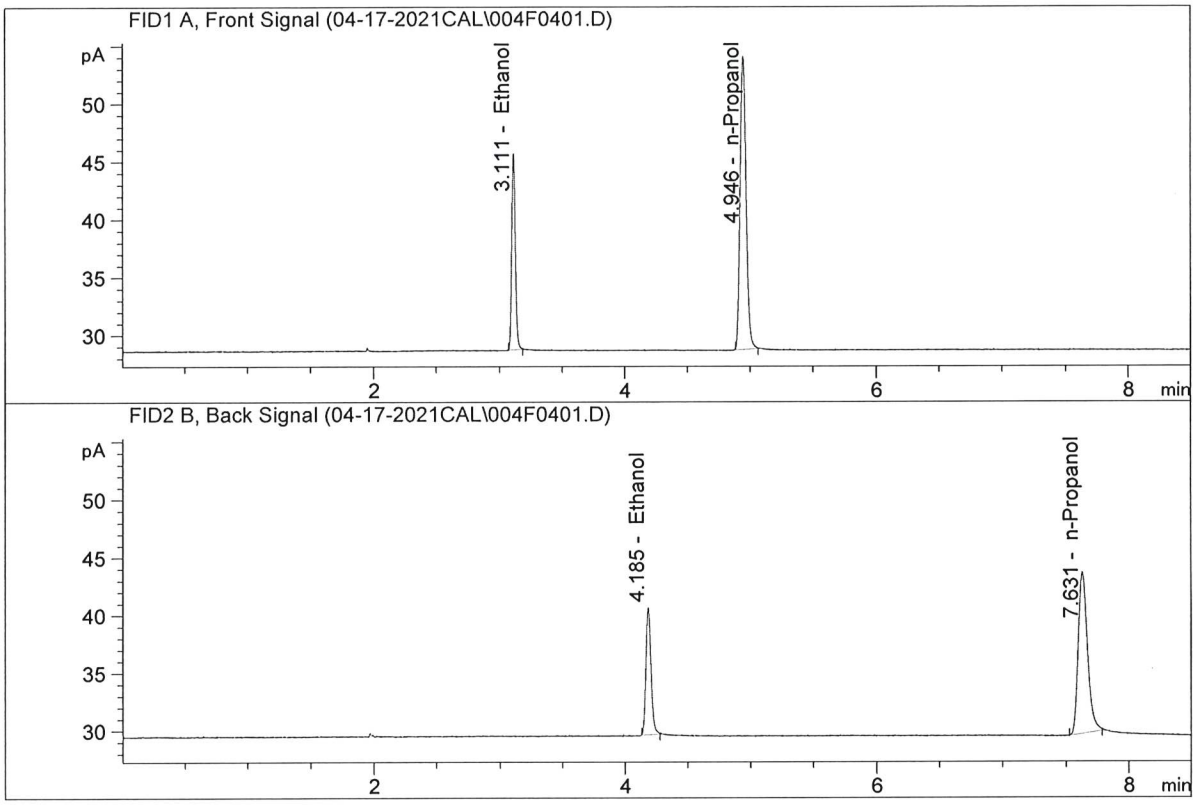
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.23976	0.1002	g/100cc
2.	Ethanol	Column 2:	15.80357	0.0984	g/100cc
3.	n-Propanol	Column 1:	85.69260	1.0000	g/100cc
4.	n-Propanol	Column 2:	74.37613	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

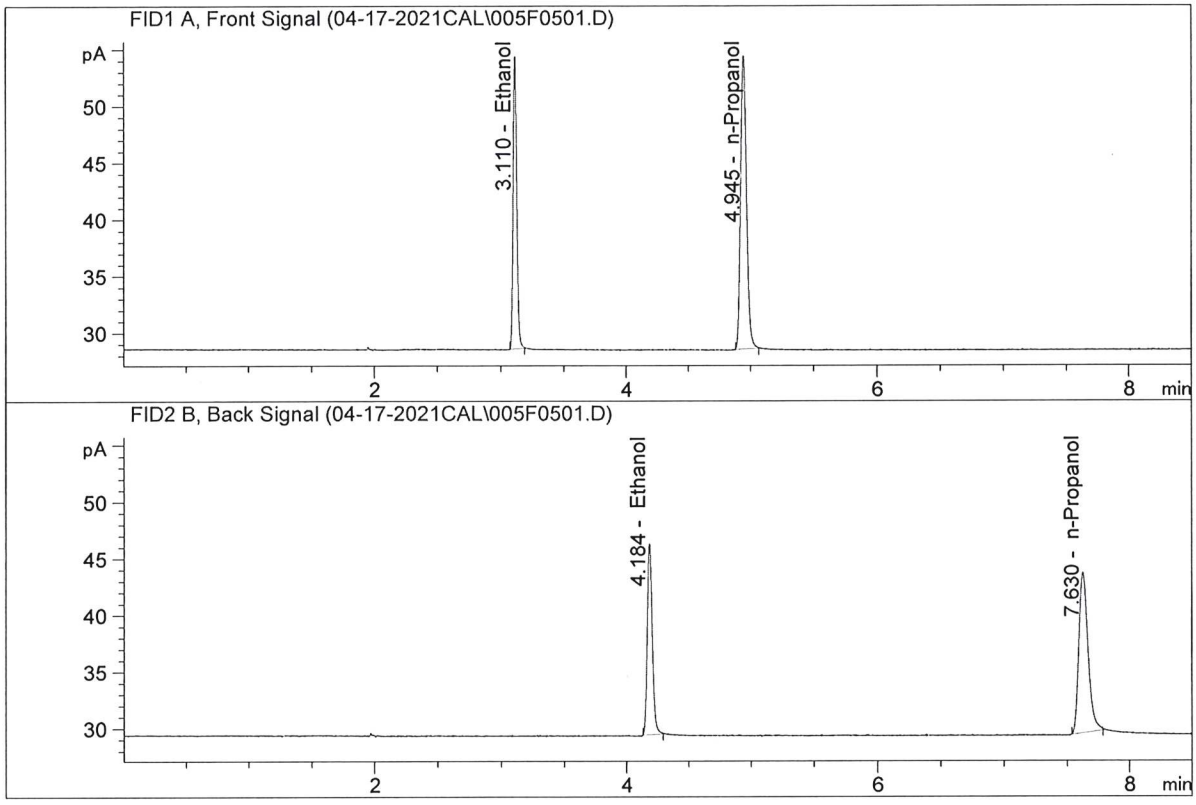
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.61501	0.2003	g/100cc
2.	Ethanol	Column 2:	31.20159	0.1974	g/100cc
3.	n-Propanol	Column 1:	83.40253	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.77430	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

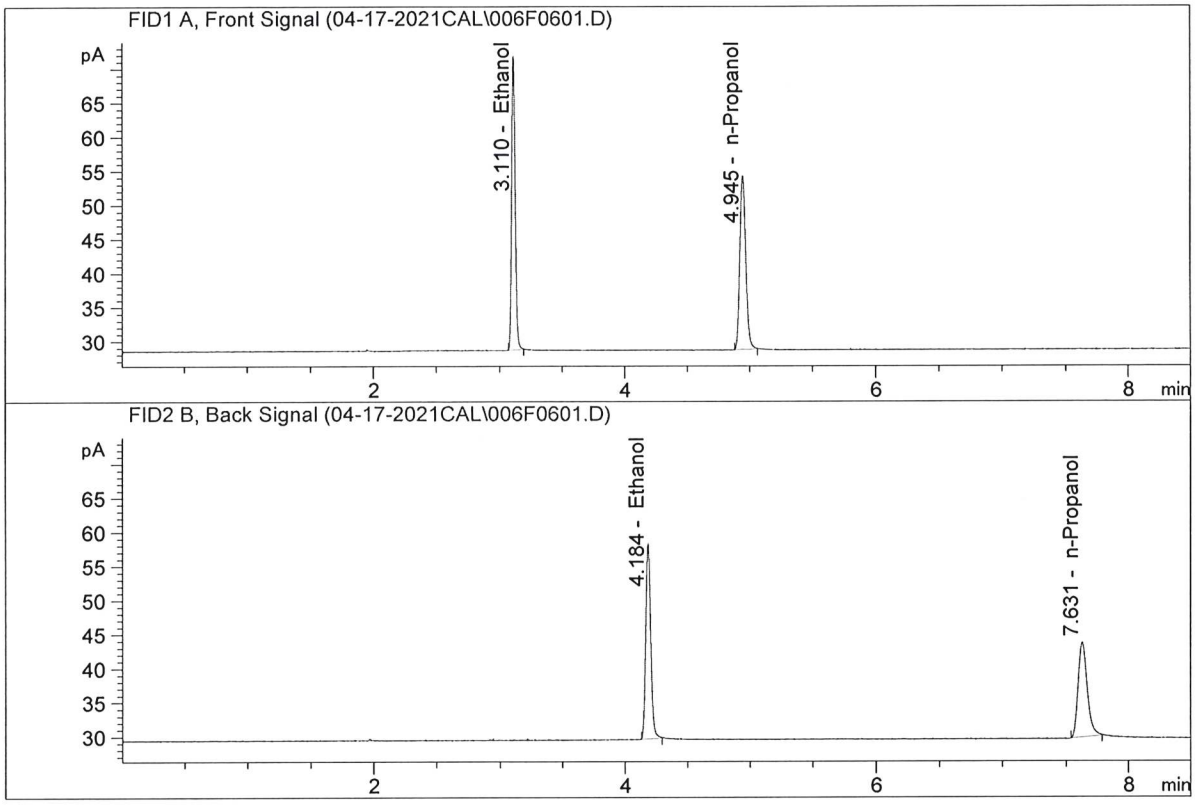
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.16164	0.2983	g/100cc
2.	Ethanol	Column 2:	47.76896	0.2969	g/100cc
3.	n-Propanol	Column 1:	85.18633	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.60036	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

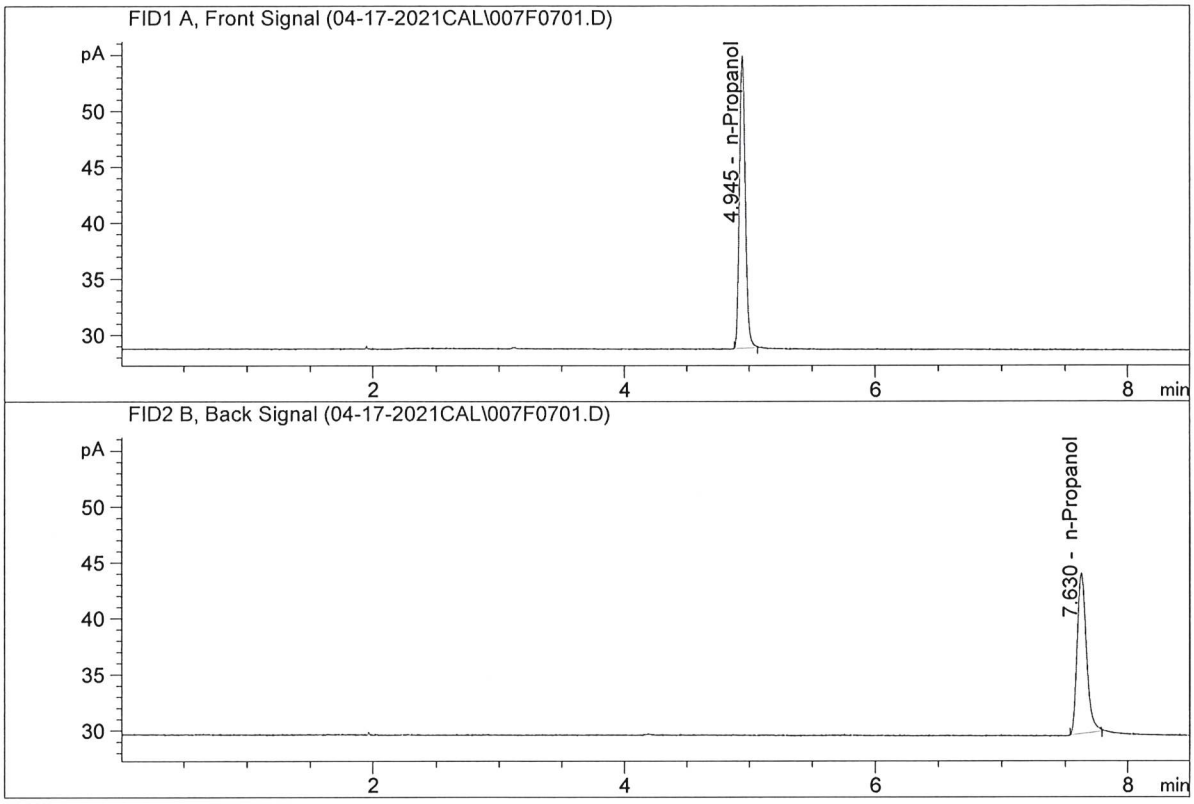
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	84.82319	0.5009	g/100cc
2.	Ethanol	Column 2:	79.85085	0.5032	g/100cc
3.	n-Propanol	Column 1:	84.05858	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.24246	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

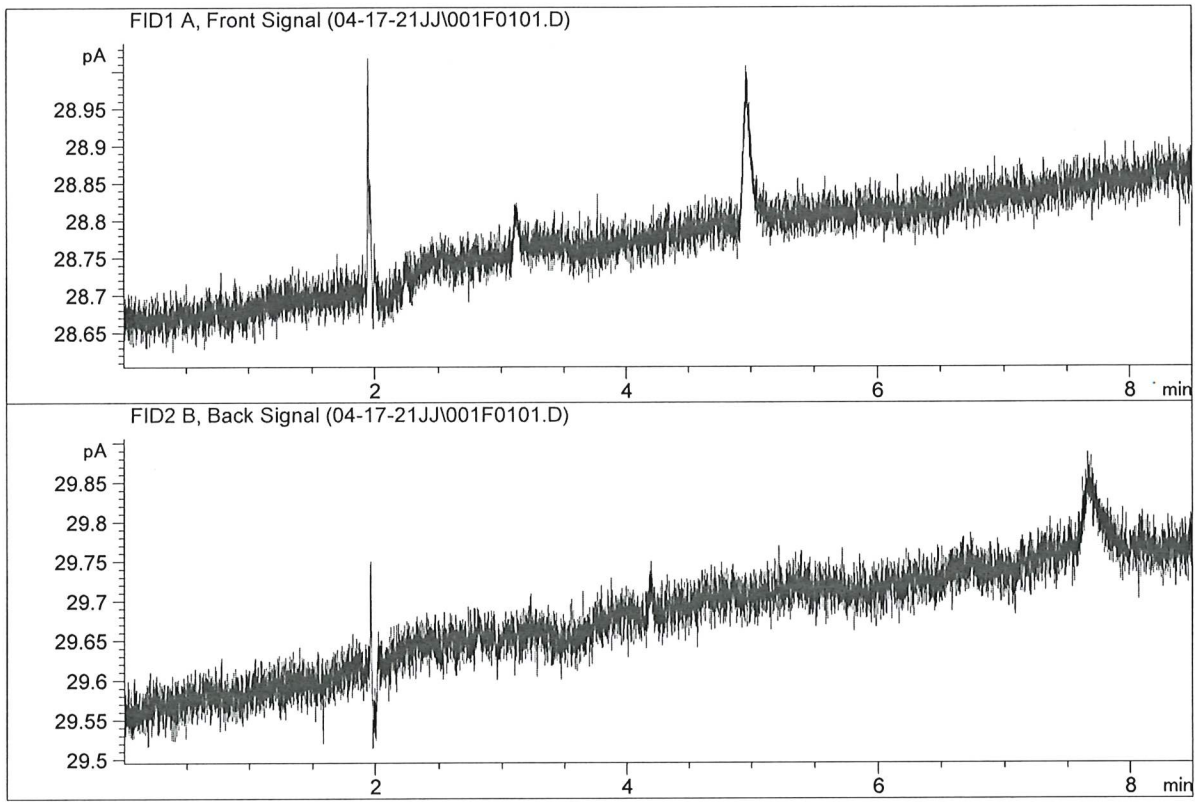
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	85.98392	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.51928	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

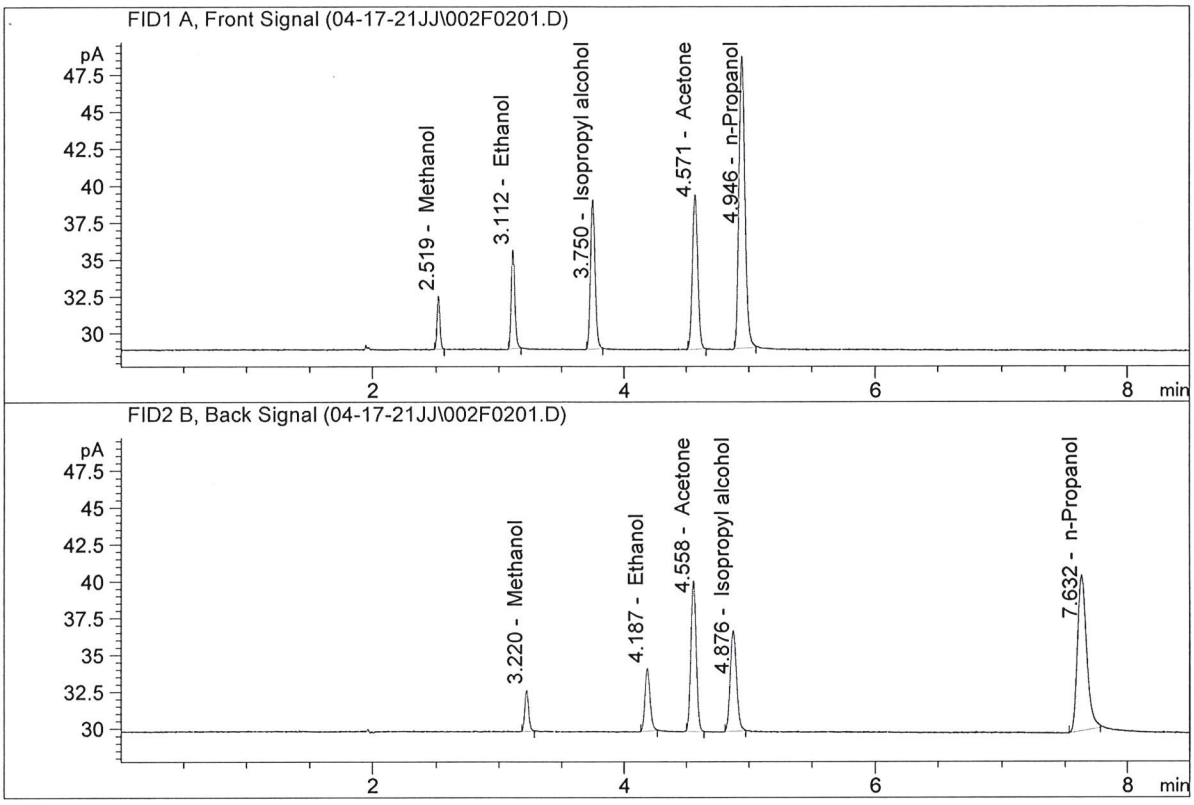
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

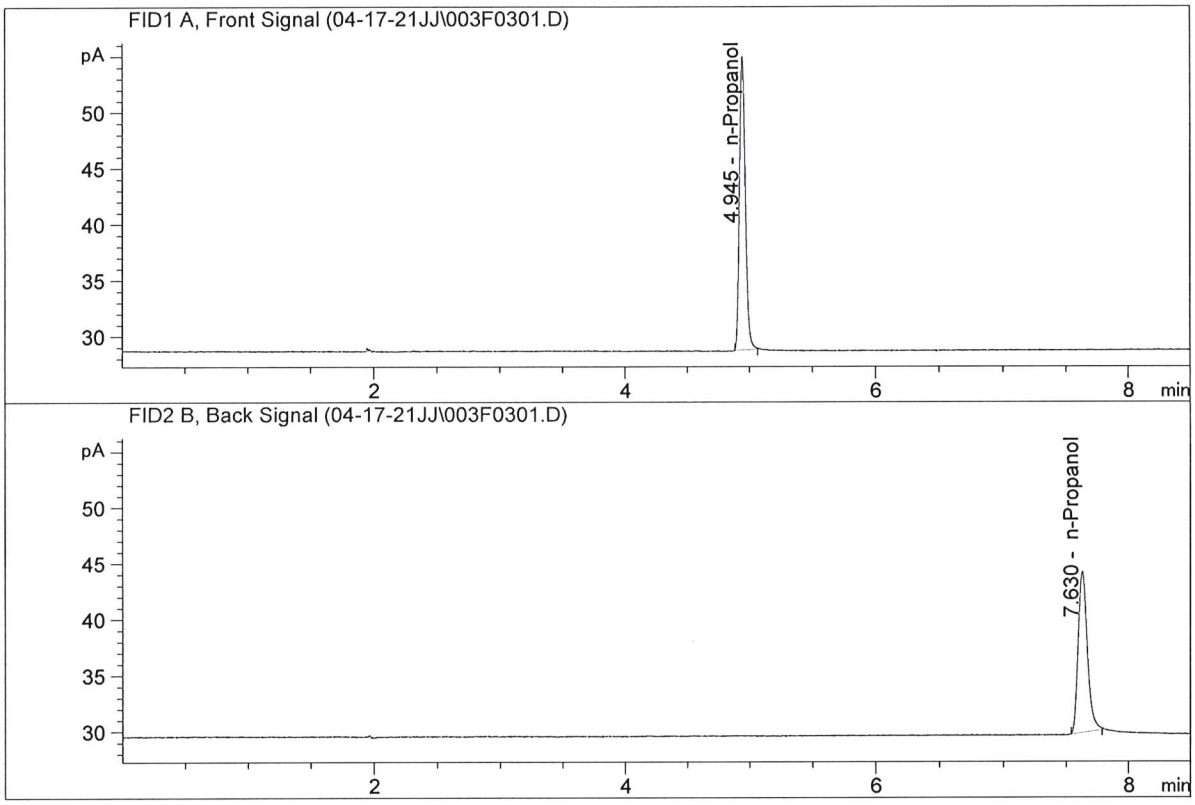
Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.45699	0.1029	g/100cc
2.	Ethanol	Column 2:	12.17846	0.1033	g/100cc
3.	n-Propanol	Column 1:	65.09437	1.0000	g/100cc
4.	n-Propanol	Column 2:	54.48952	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 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:	86.29562	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.32087	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 17 Apr 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1935	0.1902	0.0033	0.1918	0.0012	0.1924
(g/100cc)	0.1940	0.1921	0.0019	0.1930		

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%**

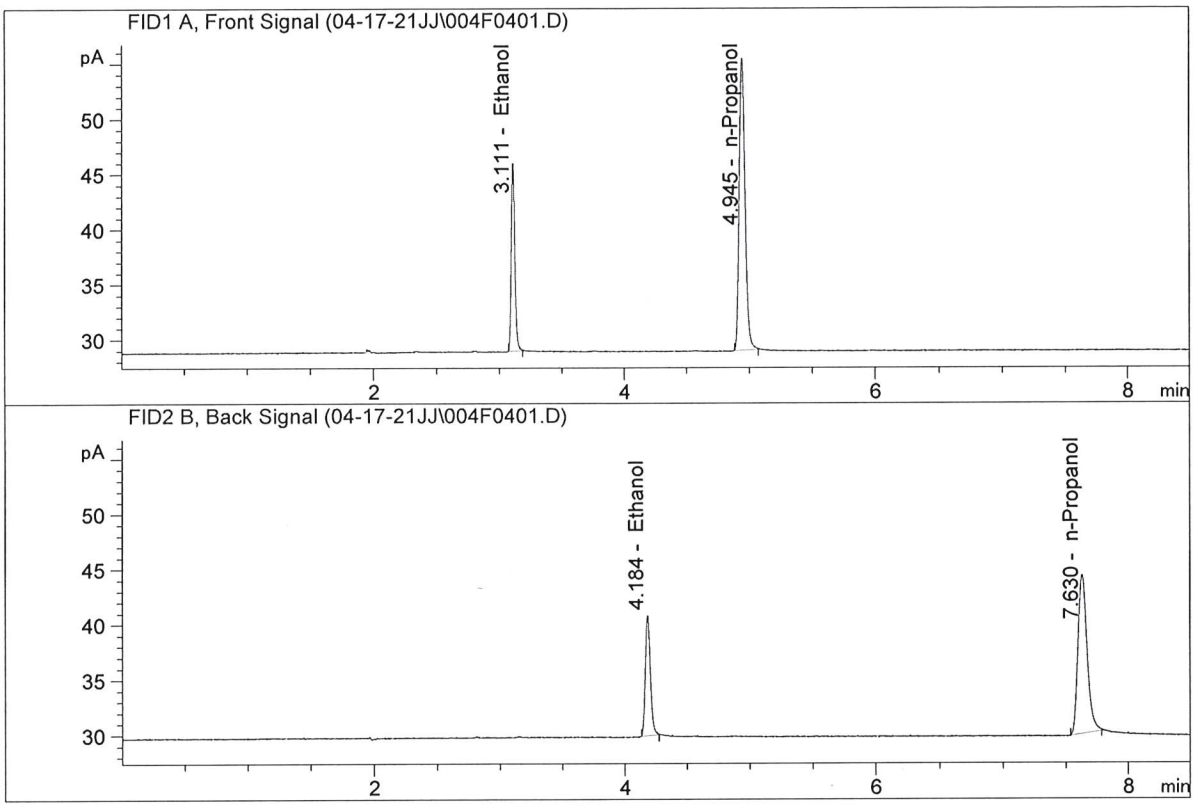
Overall Mean (g/100cc)	Low	High	5% of Mean
0.192	0.182	0.202	0.010

Reported Result
0.192

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

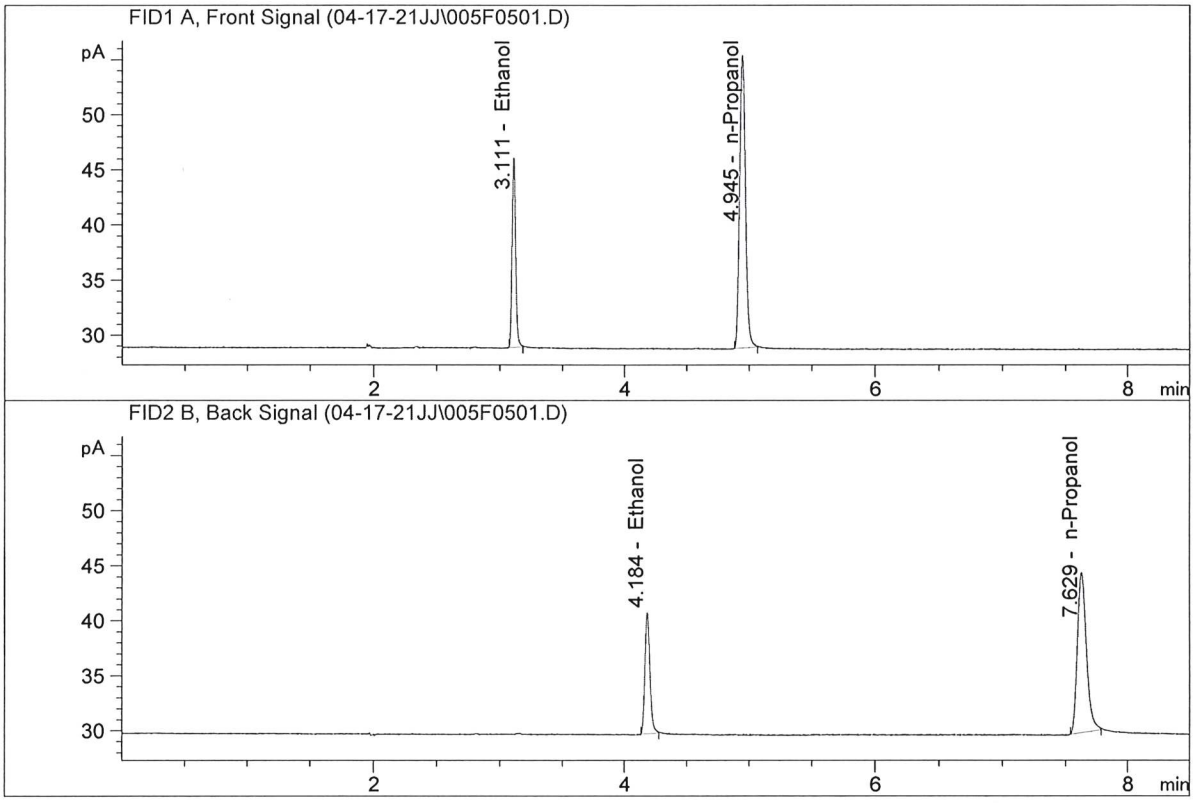
Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.95852	0.1935	g/100cc
2.	Ethanol	Column 2:	30.84408	0.1902	g/100cc
3.	n-Propanol	Column 1:	87.20374	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.70660	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.19413	0.1940	g/100cc
2.	Ethanol	Column 2:	31.16912	0.1921	g/100cc
3.	n-Propanol	Column 1:	87.60233	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.70912	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 17 Apr 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0799	0.0007	0.0795	0.0022	0.0784
(g/100cc)	0.0780	0.0767	0.0013	0.0773		

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%**

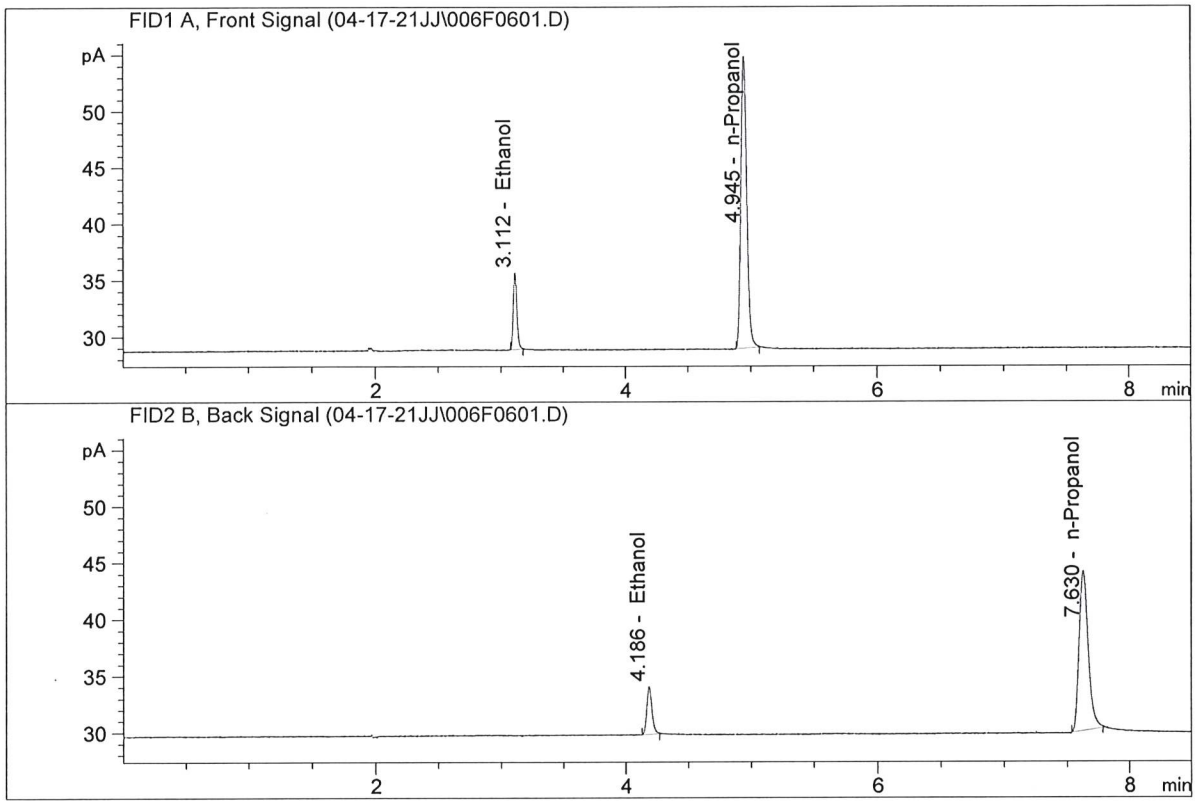
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

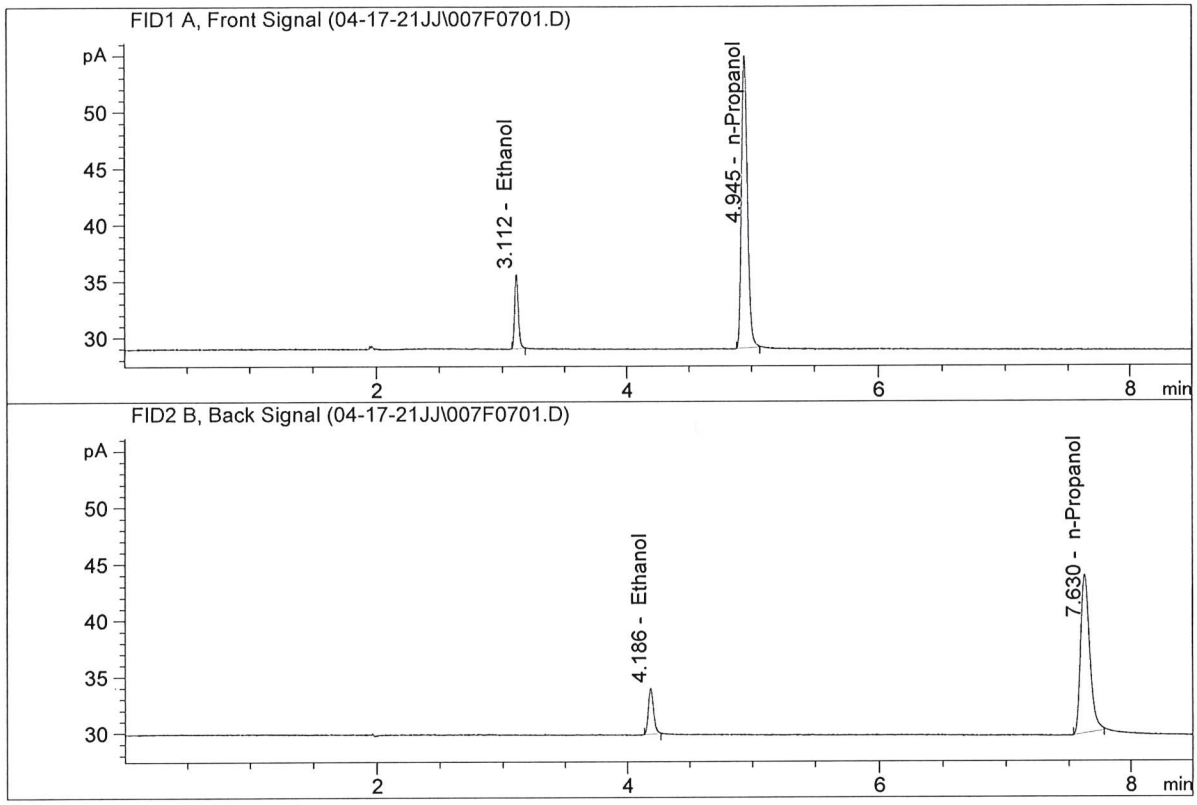
Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.53826	0.0792	g/100cc
2.	Ethanol	Column 2:	12.30580	0.0799	g/100cc
3.	n-Propanol	Column 1:	85.22515	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.93677	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.31288	0.0780	g/100cc
2.	Ethanol	Column 2:	11.77867	0.0767	g/100cc
3.	n-Propanol	Column 1:	85.06325	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.84731	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2) **Analysis Date(s): 17 Apr 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1947	0.1944	0.0003	0.1945	0.0008	0.1941
(g/100cc)	0.1935	0.1939	0.0004	0.1937		

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%**

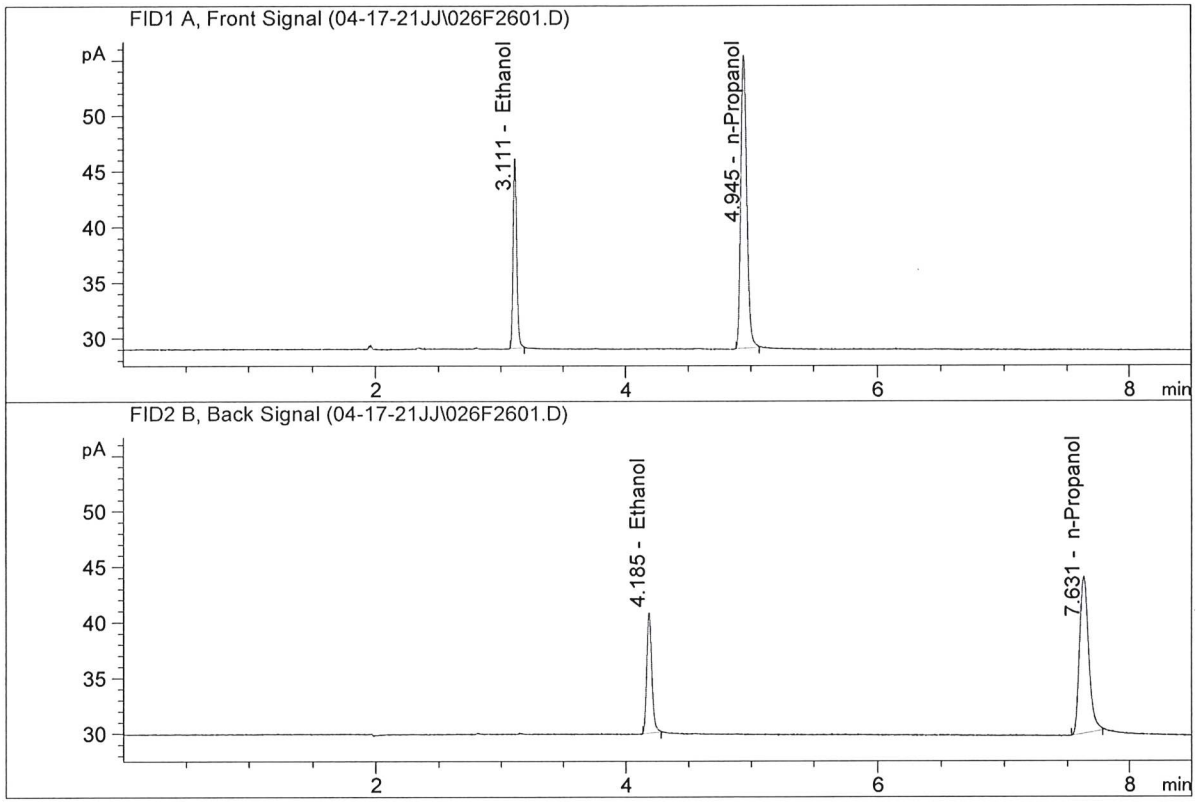
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

	Reported Result	
	0.194	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

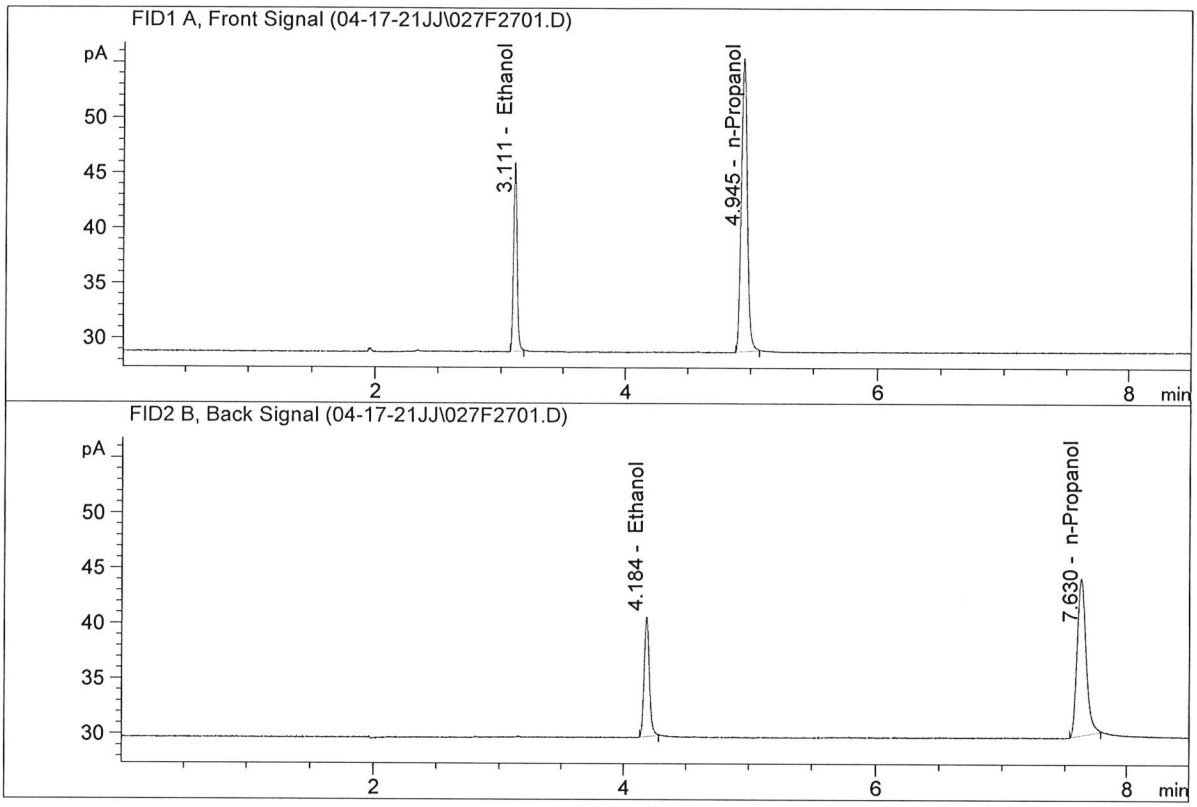
Sample Name : QC-2(2)-A
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.93532	0.1947	g/100cc
2.	Ethanol	Column 2:	30.77936	0.1944	g/100cc
3.	n-Propanol	Column 1:	86.62711	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.91338	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.07146	0.1935	g/100cc
2.	Ethanol	Column 2:	30.98017	0.1939	g/100cc
3.	n-Propanol	Column 1:	87.52173	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.58068	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(2)-A **Analysis Date(s): 17 Apr 2021**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0744	0.0754	0.0010	0.0749	0.0004	0.0747
(g/100cc)	0.0740	0.0750	0.0010	0.0745		

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%**

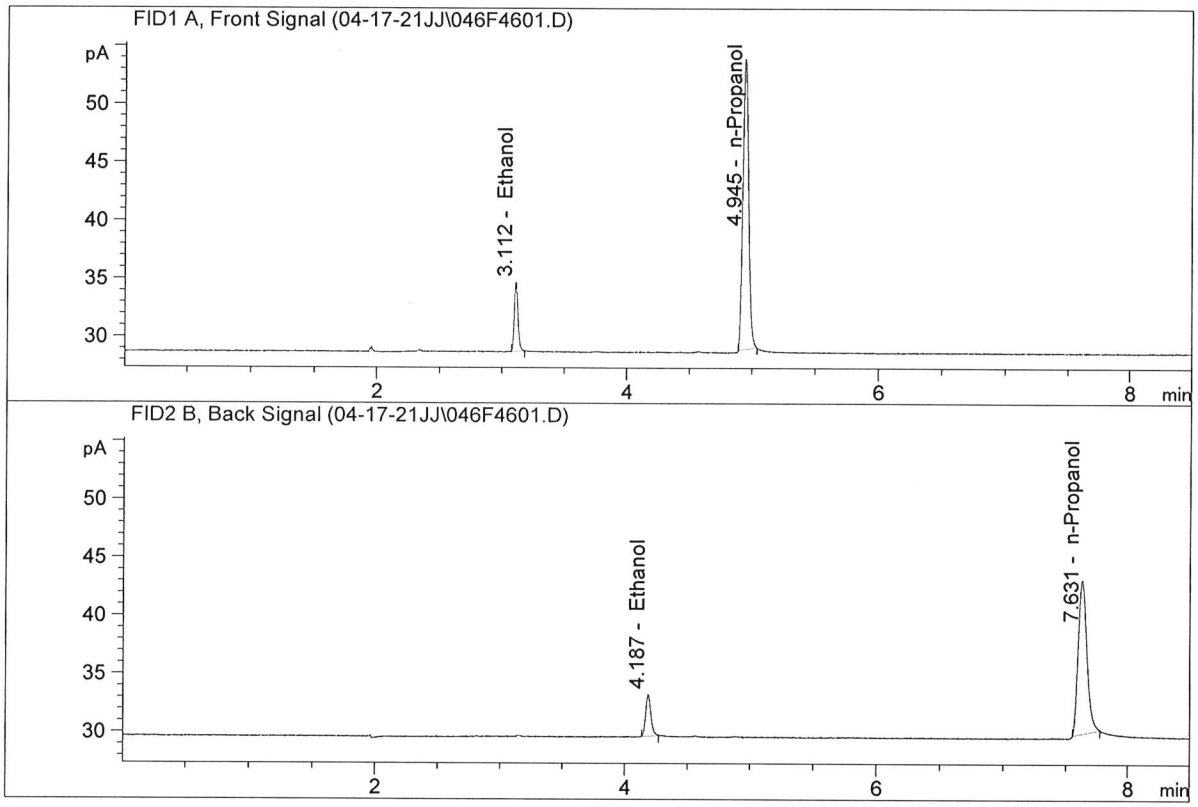
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	**0.070**	**0.078**	**0.004**

Reported Result
0.074

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

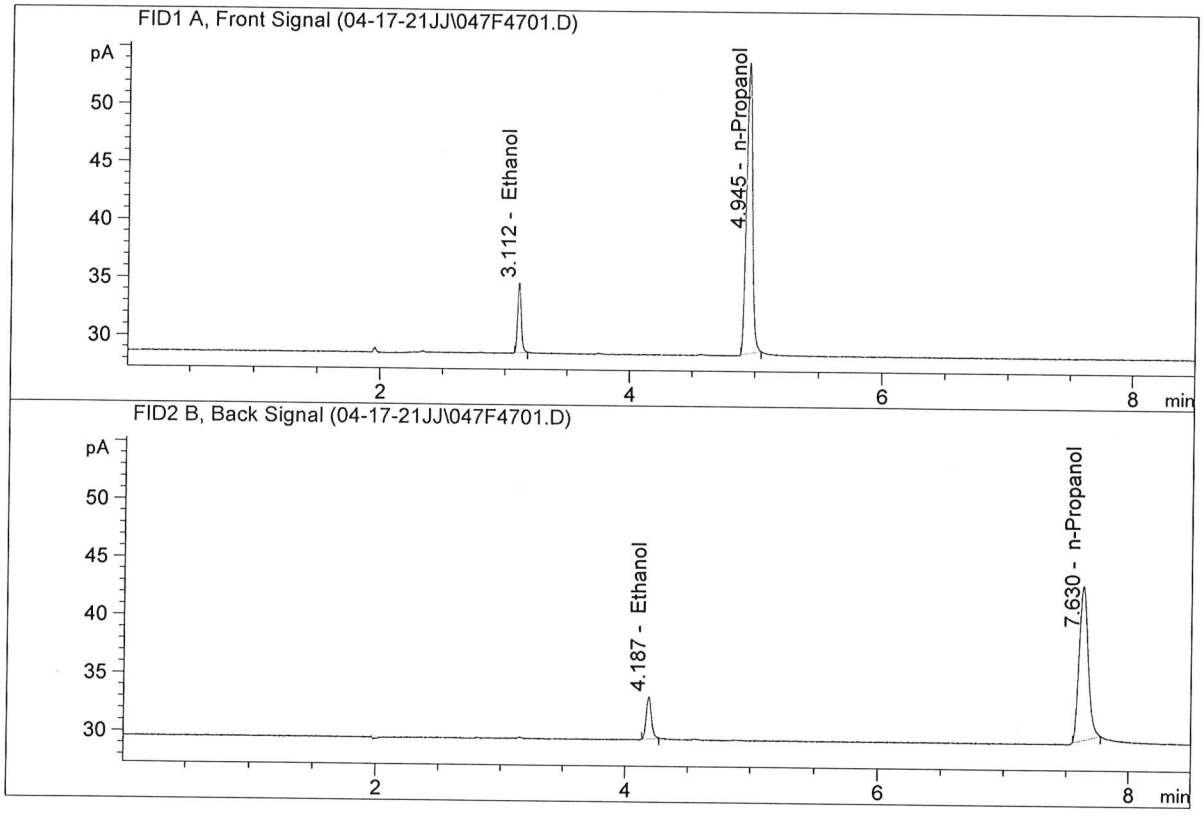
Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.04643	0.0744	g/100cc
2.	Ethanol	Column 2:	10.52716	0.0754	g/100cc
3.	n-Propanol	Column 1:	80.66657	1.0000	g/100cc
4.	n-Propanol	Column 2:	65.43333	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

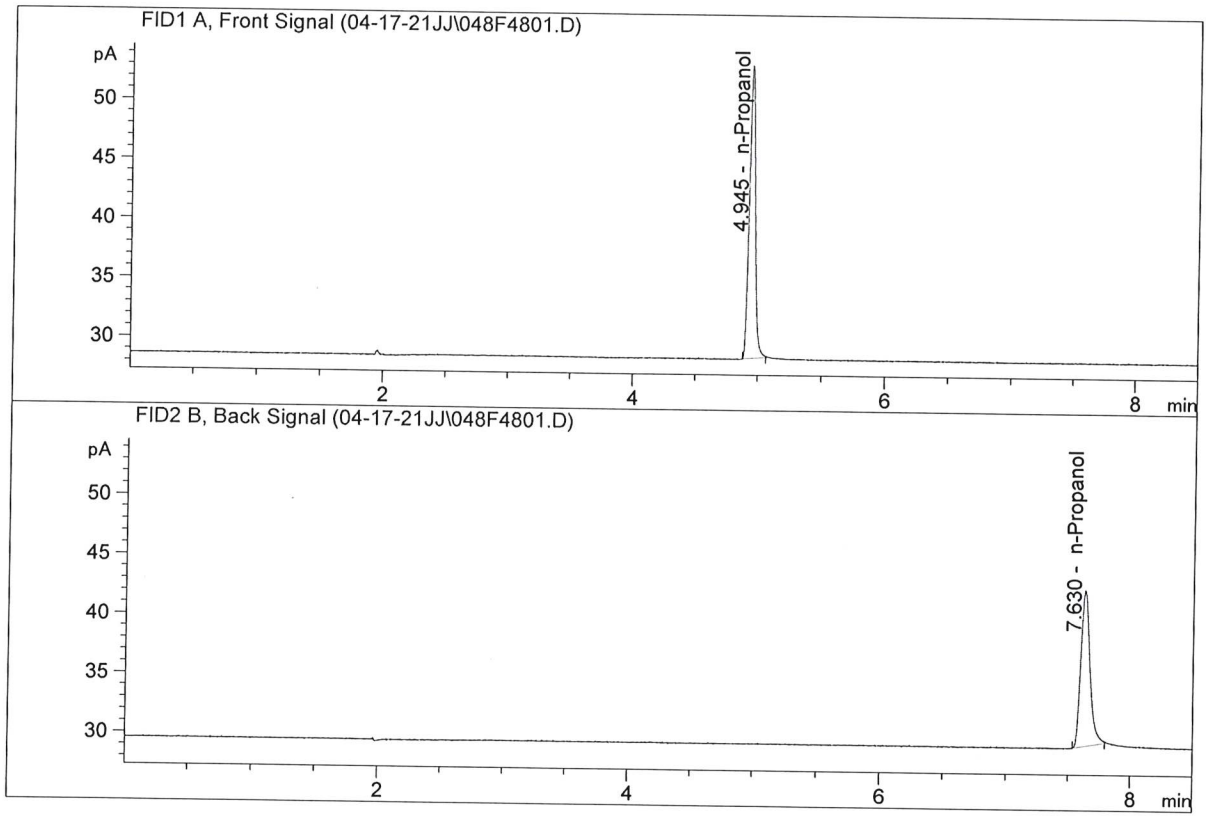
Sample Name	:	QC-1(2)-B
Laboratory	:	Coeur d' Alene
Injection Date	:	Apr 17, 2021
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.12541	0.0740	g/100cc
2.	Ethanol	Column 2:	10.60171	0.0750	g/100cc
3.	n-Propanol	Column 1:	81.71638	1.0000	g/100cc
4.	n-Propanol	Column 2:	66.23799	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Apr 17, 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:	81.08971	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.17558	1.0000	g/100cc