

















Worklist: 4662

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2020-2291	1	BCK	Alcohol Analysis	
C2020-2303	1	BCK	Alcohol Analysis	
C2020-2309	1	BCK	Alcohol Analysis	
C2020-2340	1	BCK	Alcohol Analysis	
C2020-2341	1	BCK	Alcohol Analysis	
C2020-2342	1	BCK	Alcohol Analysis	
C2020-2347	2	BCK	Alcohol Analysis	
C2020-2366	1	BCK	Alcohol Analysis	
C2020-2385	2	BCK	Alcohol Analysis	
C2020-2389	1	BCK	Alcohol Analysis	
C2020-2390	1	AVK	Alcohol Analysis	
C2020-2395	2	BCK	Alcohol Analysis	
C2020-2409	1	BCK	Alcohol Analysis	
C2020-2410	1	BCK	Alcohol Analysis	
C2020-2411	1	BCK	Alcohol Analysis	
C2020-2418	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): 12-10-20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0739 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1986 g/100cc
Multi-Component mixture:		Lot #	FN07101701	OK	
Curve Fit:		Column 1	1.00000	Column2	0.99996

worklist #~~4664~~ 4662
 12-13-20

REVIEWED

By Rachel Cutler at 3:35 pm, Dec 16, 2020

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0499	0.0487	0.0012	0.0493
100	0.100	0.090 - 0.110	0.0992	0.0974	0.0018	0.0983
200	0.200	0.180 - 0.220	0.2000	0.1975	0.0025	0.1987
300	0.300	0.270 - 0.330	0.2994	0.2975	0.0019	0.2984
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5032	0.0027	0.5018

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

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Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_10.12.2020_12.21.49\12-10-2020.S
 Data directory path: C:\Chem32\1\Data\12-10-20JJ
 Logbook: C:\Chem32\1\Data\12-10-20JJ\12-10-2020.LOG
 Sequence start: 12/10/2020 12:35:35 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	C2020-2291-1-A	-	1.0000	008F0801.D		4
9	9	1	C2020-2291-1-B	-	1.0000	009F0901.D		4
10	10	1	C2020-2303-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-2303-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-2309-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-2309-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-2340-1-A	-	1.0000	014F1401.D		2
15	15	1	C2020-2340-1-B	-	1.0000	015F1501.D		2
16	16	1	C2020-2341-1-A	-	1.0000	016F1601.D		2
17	17	1	C2020-2341-1-B	-	1.0000	017F1701.D		2
18	18	1	C2020-2342-1-A	-	1.0000	018F1801.D		4
19	19	1	C2020-2342-1-B	-	1.0000	019F1901.D		4
20	20	1	C2020-2347-2-A	-	1.0000	020F2001.D		4
21	21	1	C2020-2347-2-B	-	1.0000	021F2101.D		4
22	22	1	C2020-2366-1-A	-	1.0000	022F2201.D		4
23	23	1	C2020-2366-1-B	-	1.0000	023F2301.D		4
24	24	1	C2020-2385-2-A	-	1.0000	024F2401.D		6
25	25	1	C2020-2385-2-B	-	1.0000	025F2501.D		5
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	C2020-2389-1-A	-	1.0000	028F2801.D		4
29	29	1	C2020-2389-1-B	-	1.0000	029F2901.D		4
30	30	1	C2020-2390-1-A	-	1.0000	030F3001.D		2
31	31	1	C2020-2390-1-B	-	1.0000	031F3101.D		2
32	32	1	C2020-2395-2-A	-	1.0000	032F3201.D		2
33	33	1	C2020-2395-2-B	-	1.0000	033F3301.D		2
34	34	1	C2020-2409-1-A	-	1.0000	034F3401.D		4
35	35	1	C2020-2409-1-B	-	1.0000	035F3501.D		4
36	36	1	C2020-2410-1-A	-	1.0000	036F3601.D		2
37	37	1	C2020-2410-1-B	-	1.0000	037F3701.D		2
38	38	1	C2020-2411-1-A	-	1.0000	038F3801.D		4
39	39	1	C2020-2411-1-B	-	1.0000	039F3901.D		4
40	40	1	C2020-2418-1-A	-	1.0000	040F4001.D		4
41	41	1	C2020-2418-1-B	-	1.0000	041F4101.D		4
42	42	1	QC-1(1)-A	-	1.0000	042F4201.D		4
43	43	1	QC-1(1)-B	-	1.0000	043F4301.D		4
44	44	1	water-2	-	1.0000	044F4401.D		0

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Thursday, December 10, 2020 12:04:31 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

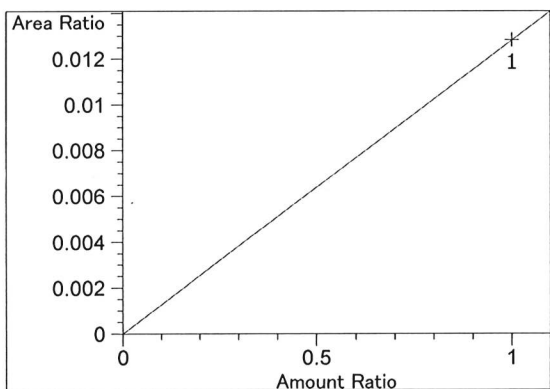
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RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.165	2	1	1.00000	1.06794	9.36380e-1	No	No 2	Difluoroethane
2.213	1	1	1.00000	5.00000	2.00000e-1	No	No 1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No 1	Methanol
2.772	1	1	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	8.50538	5.87863e-3	No	No 1	Ethanol
		2	1.00000e-1	17.12998	5.83772e-3			
		3	2.00000e-1	34.29931	5.83102e-3			
		4	3.00000e-1	51.61293	5.81250e-3			
		5	5.00000e-1	86.67171	5.76889e-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	8.31871	6.01055e-3	No	No 2	Ethanol
		2	1.00000e-1	16.81004	5.94883e-3			
		3	2.00000e-1	33.95535	5.89009e-3			
		4	3.00000e-1	51.08659	5.87238e-3			
		5	5.00000e-1	86.15356	5.80359e-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
4.946	1	1	1.00000	87.35838	1.14471e-2	No	Yes 1	n-Propanol
		2	1.00000	88.39240	1.13132e-2			
		3	1.00000	87.79059	1.13907e-2			
		4	1.00000	88.27333	1.13284e-2			
		5	1.00000	88.65997	1.12790e-2			
7.627	2	1	1.00000	83.27544	1.20083e-2	No	Yes 2	n-Propanol
		2	1.00000	84.03875	1.18993e-2			
		3	1.00000	83.74970	1.19403e-2			
		4	1.00000	83.64021	1.19560e-2			
		5	1.00000	83.39913	1.19905e-2			

Peak Sum Table

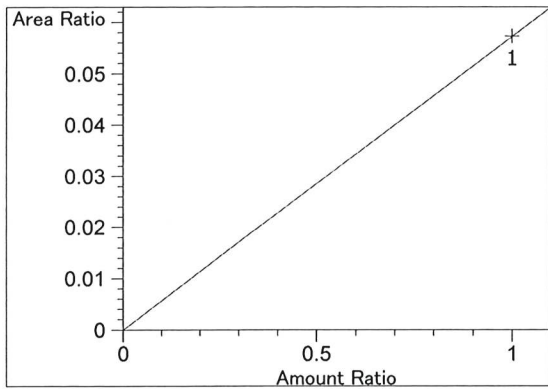
No Entries in table

Calibration Curves

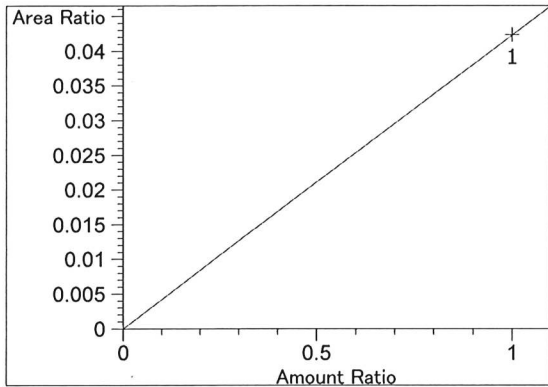


Difluoroethane at exp. RT: 2.165
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.28242e-2
 x: Amount Ratio
 y: Area Ratio

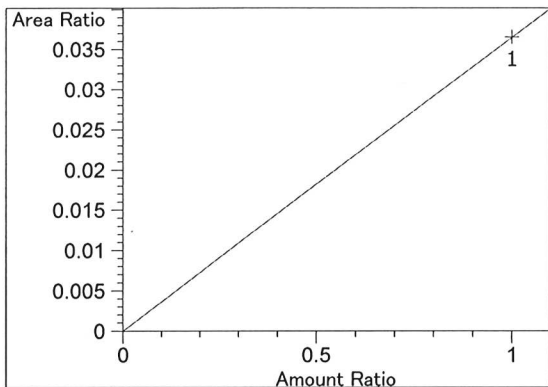
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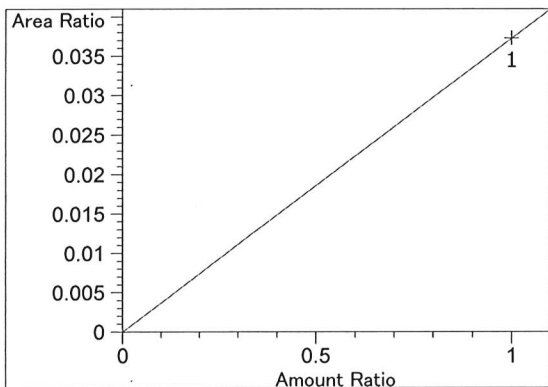
Difluoroethane at exp. RT: 2.213
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $5.72355e-2$
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 2.494
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $4.23164e-2$
 x: Amount Ratio
 y: Area Ratio

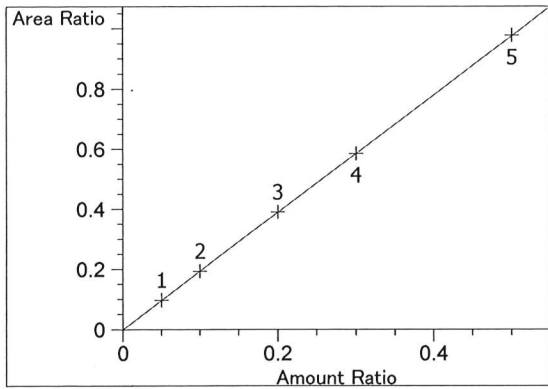


Acetaldehyde at exp. RT: 2.772
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $3.65518e-2$
 x: Amount Ratio
 y: Area Ratio

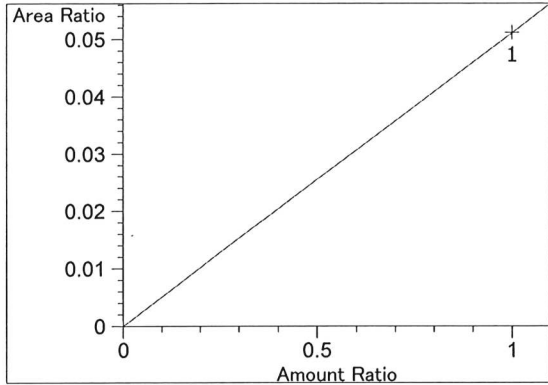


Acetaldehyde at exp. RT: 2.797
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $3.72949e-2$
 x: Amount Ratio
 y: Area Ratio

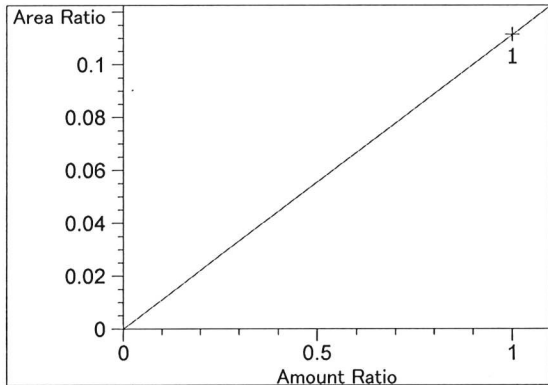
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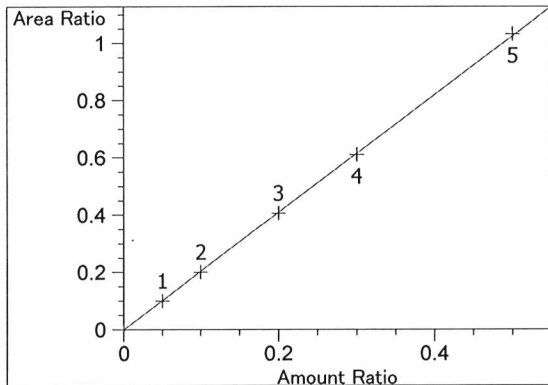
Ethanol at exp. RT: 3.111
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00111
 Formula: $y = mx$
 m: 1.95308
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.211
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 5.11630e-2
 x: Amount Ratio
 y: Area Ratio

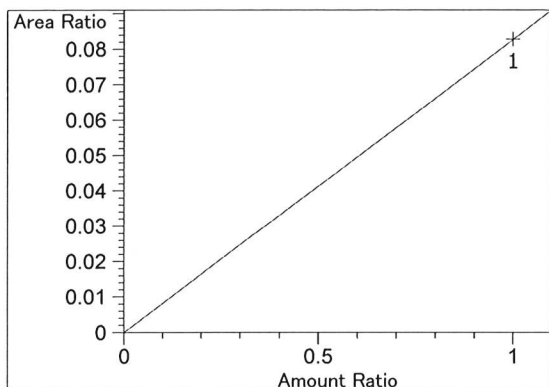


Isopropyl alcohol at exp. RT: 3.715
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.11387e-1
 x: Amount Ratio
 y: Area Ratio

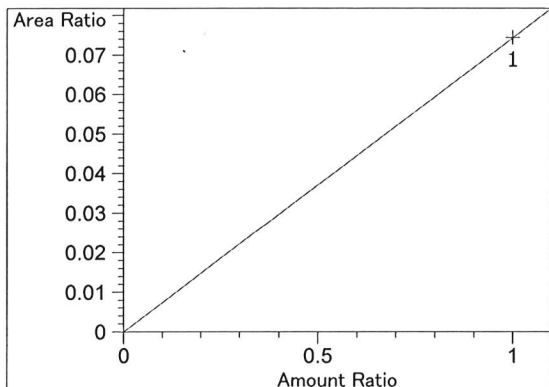


Ethanol at exp. RT: 4.184
 FID2 B, Back Signal
 Correlation: 0.99996
 Residual Std. Dev.: 0.00572
 Formula: $y = mx$
 m: 2.05308
 x: Amount Ratio
 y: Area Ratio

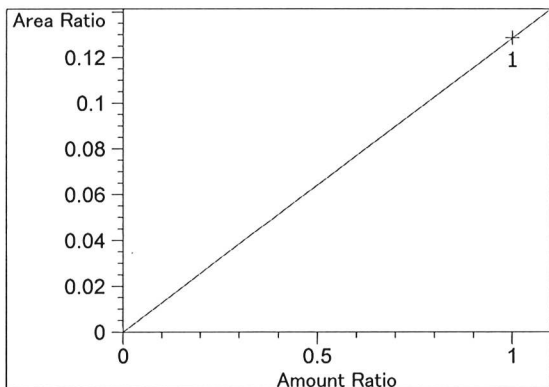
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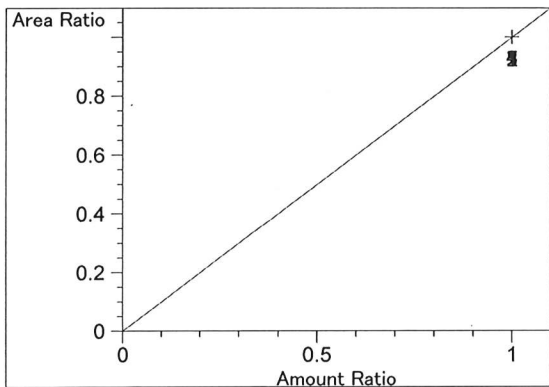
Acetone at exp. RT: 4.567
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $8.27736e-2$
 x: Amount Ratio
 y: Area Ratio



Acetone at exp. RT: 4.581
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $7.43993e-2$
 x: Amount Ratio
 y: Area Ratio

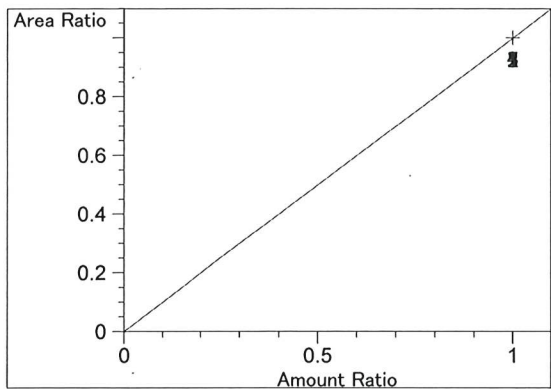


Isopropyl alcohol at exp. RT: 4.870
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $1.28566e-1$
 x: Amount Ratio
 y: Area Ratio



n-Propanol at exp. RT: 4.946
 FID1 A, Front 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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n-Propanol at exp. RT: 7.627
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_10.12.2020_09.58.01\12-10-2020cal.S
 Data directory path: C:\Chem32\1\Data\12-10-2020CAL
 Logbook: C:\Chem32\1\Data\12-10-2020CAL\12-10-2020cal.LOG
 Sequence start: 12/10/2020 10:11:45 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

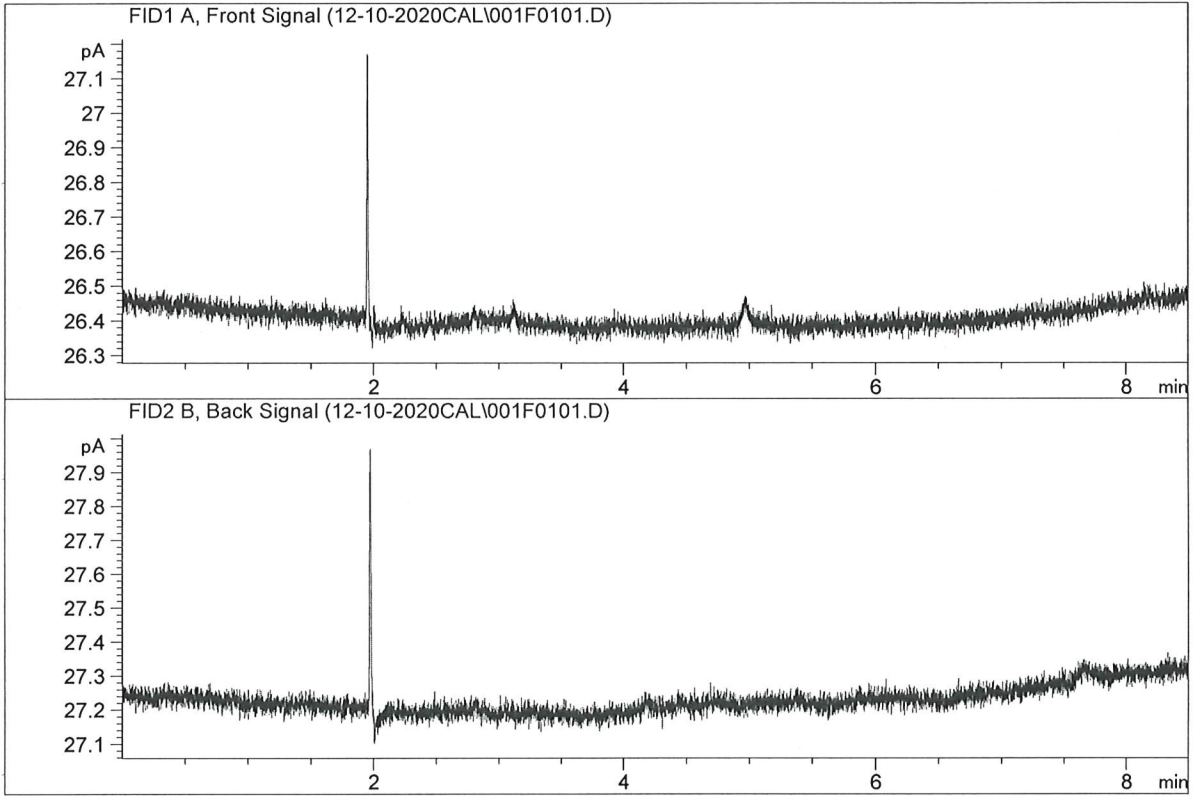
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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

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ISP Forensic Services Blood Alcohol Report

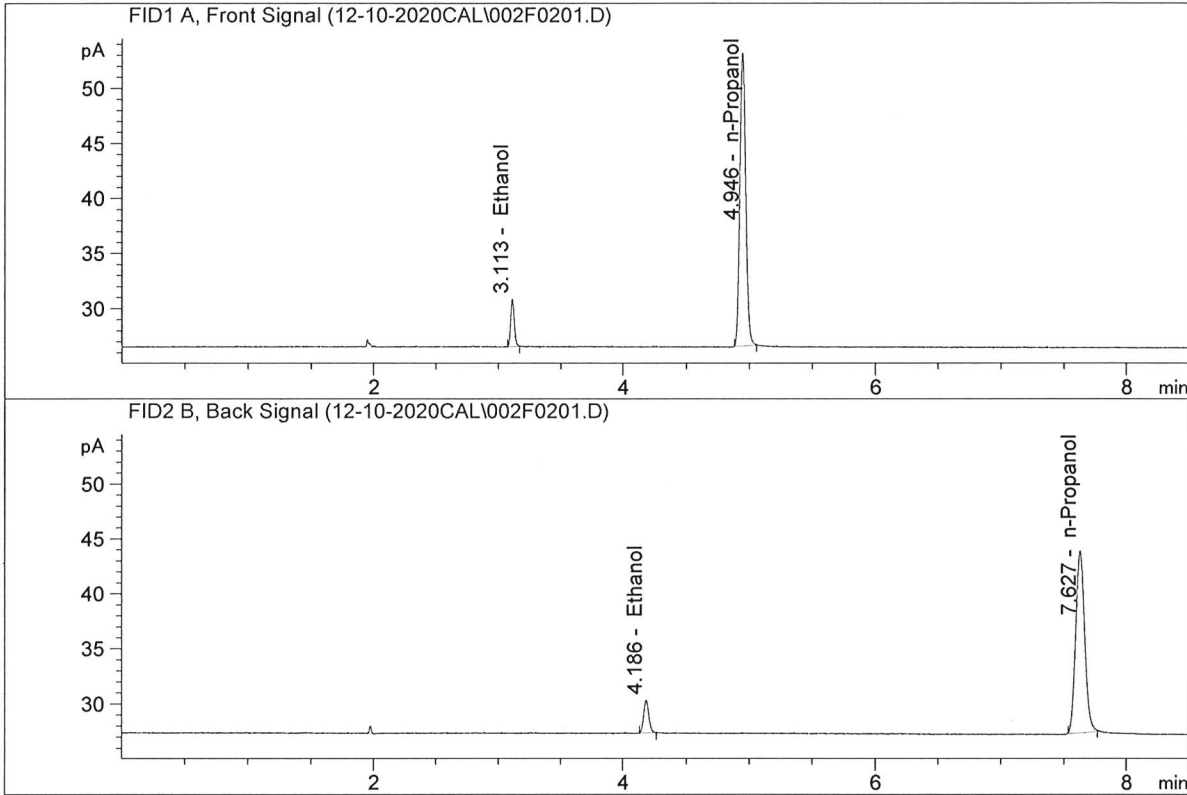
Sample Name : WATER
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	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 : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

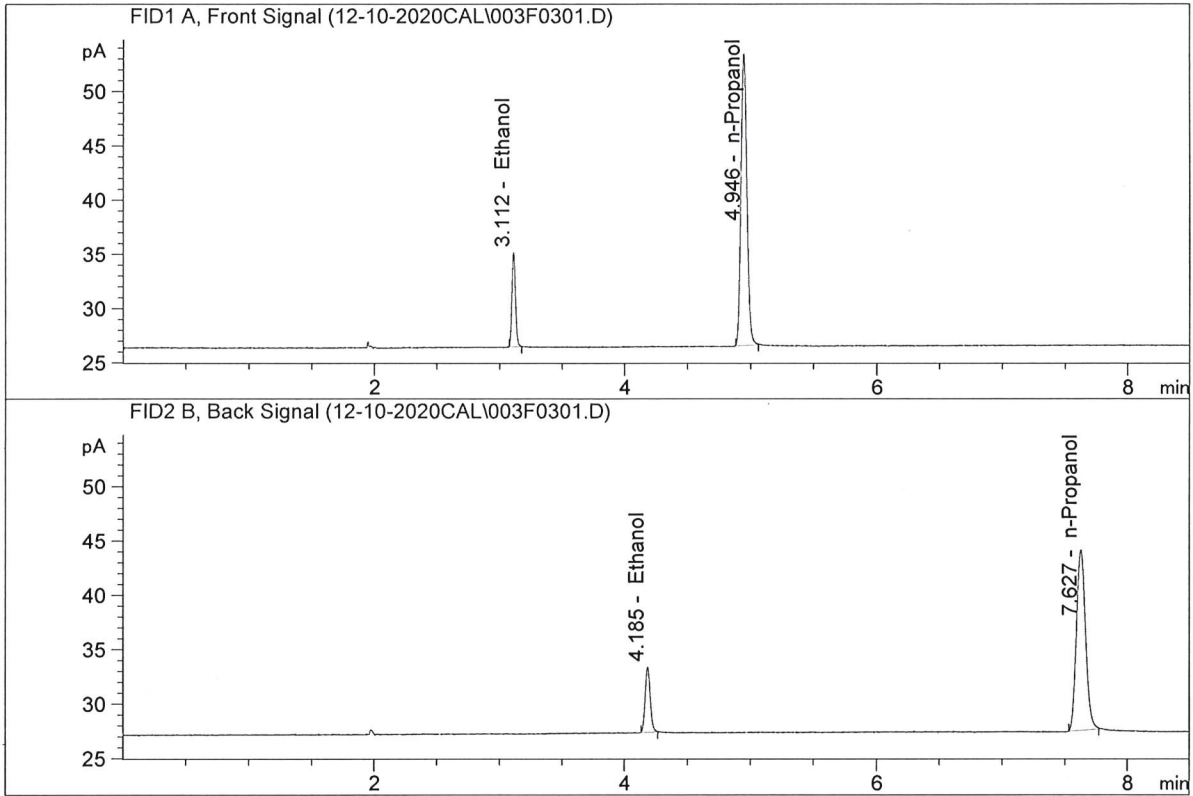


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.50538	0.0499	g/100cc
2.	Ethanol	Column 2:	8.31871	0.0487	g/100cc
3.	n-Propanol	Column 1:	87.35838	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.27544	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

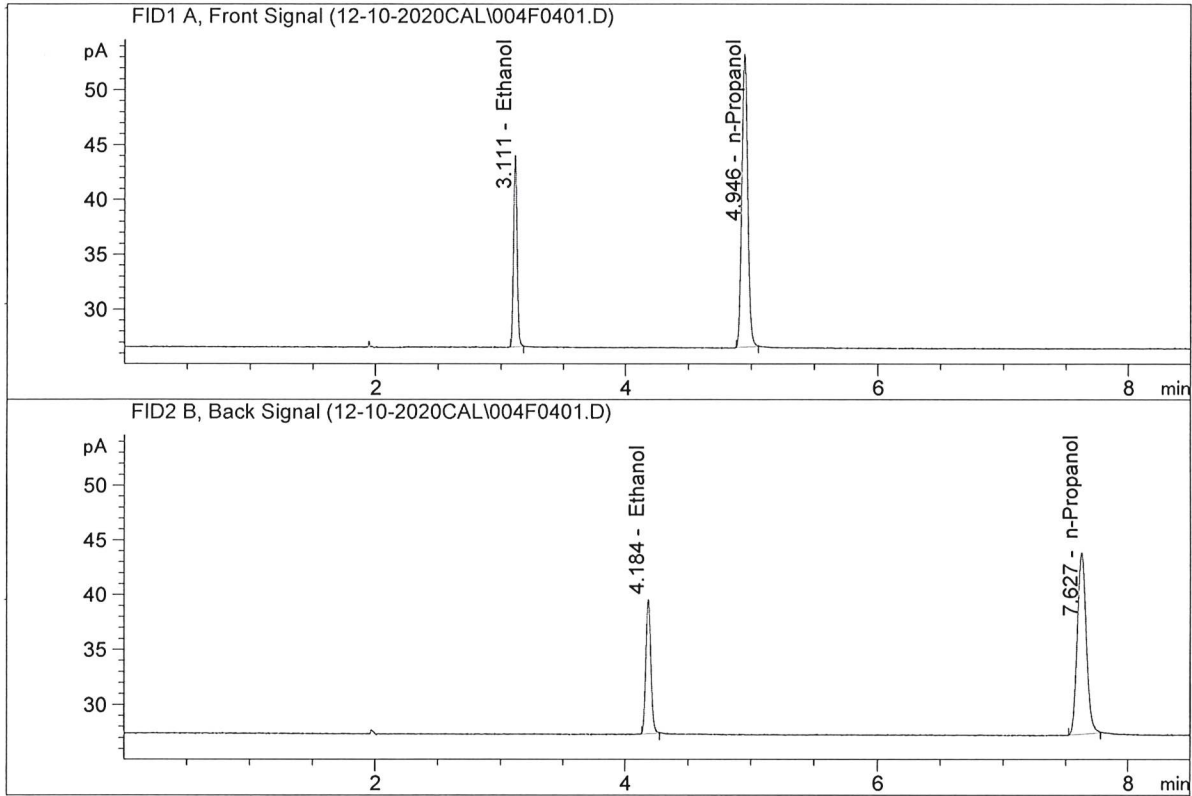


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.12998	0.0992	g/100cc
2.	Ethanol	Column 2:	16.81004	0.0974	g/100cc
3.	n-Propanol	Column 1:	88.39240	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.03875	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

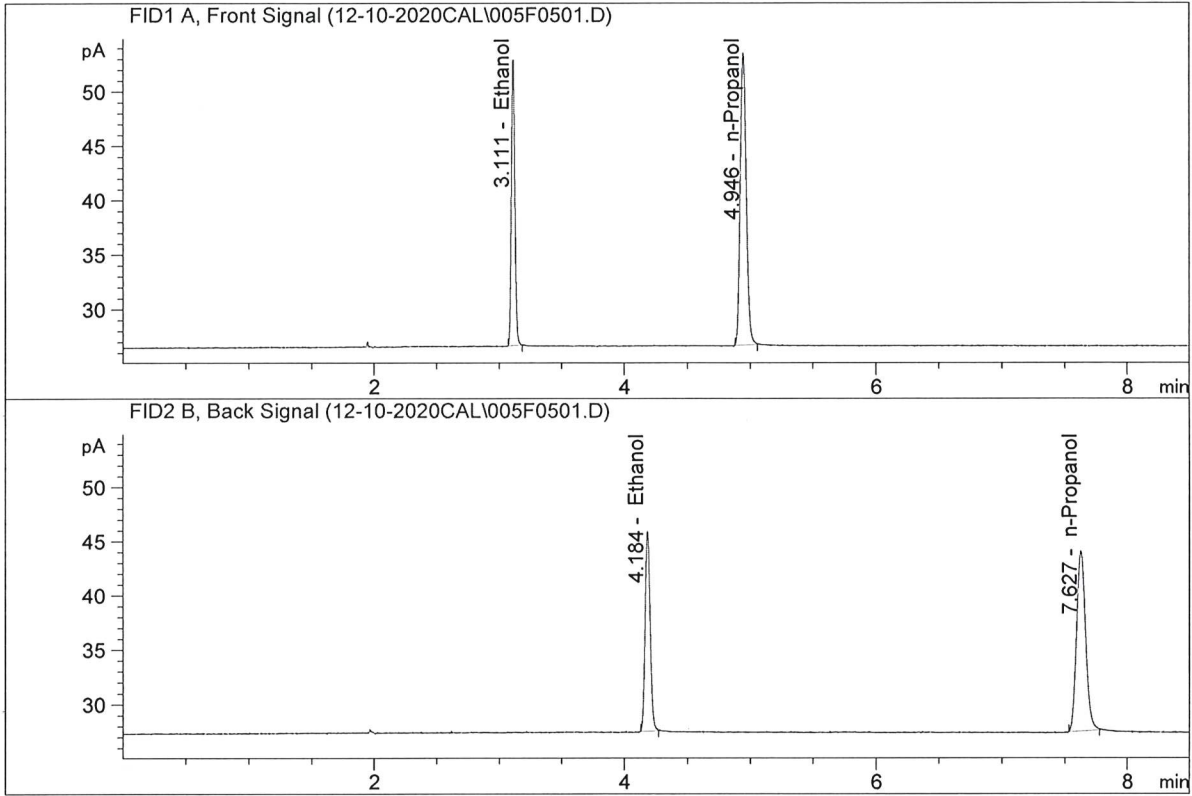
Sample Name : 0.200
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.29931	0.2000	g/100cc
2.	Ethanol	Column 2:	33.95535	0.1975	g/100cc
3.	n-Propanol	Column 1:	87.79059	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.74970	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

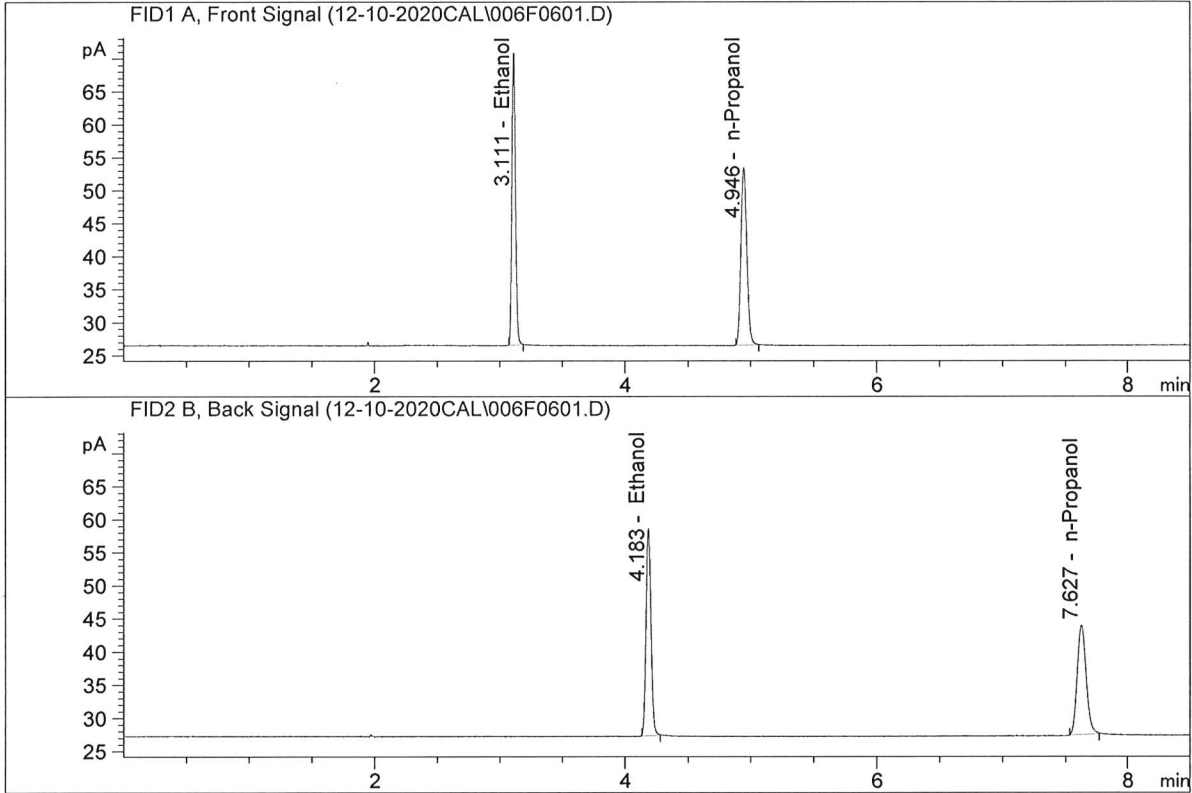


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.61293	0.2994	g/100cc
2.	Ethanol	Column 2:	51.08659	0.2975	g/100cc
3.	n-Propanol	Column 1:	88.27333	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.64021	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

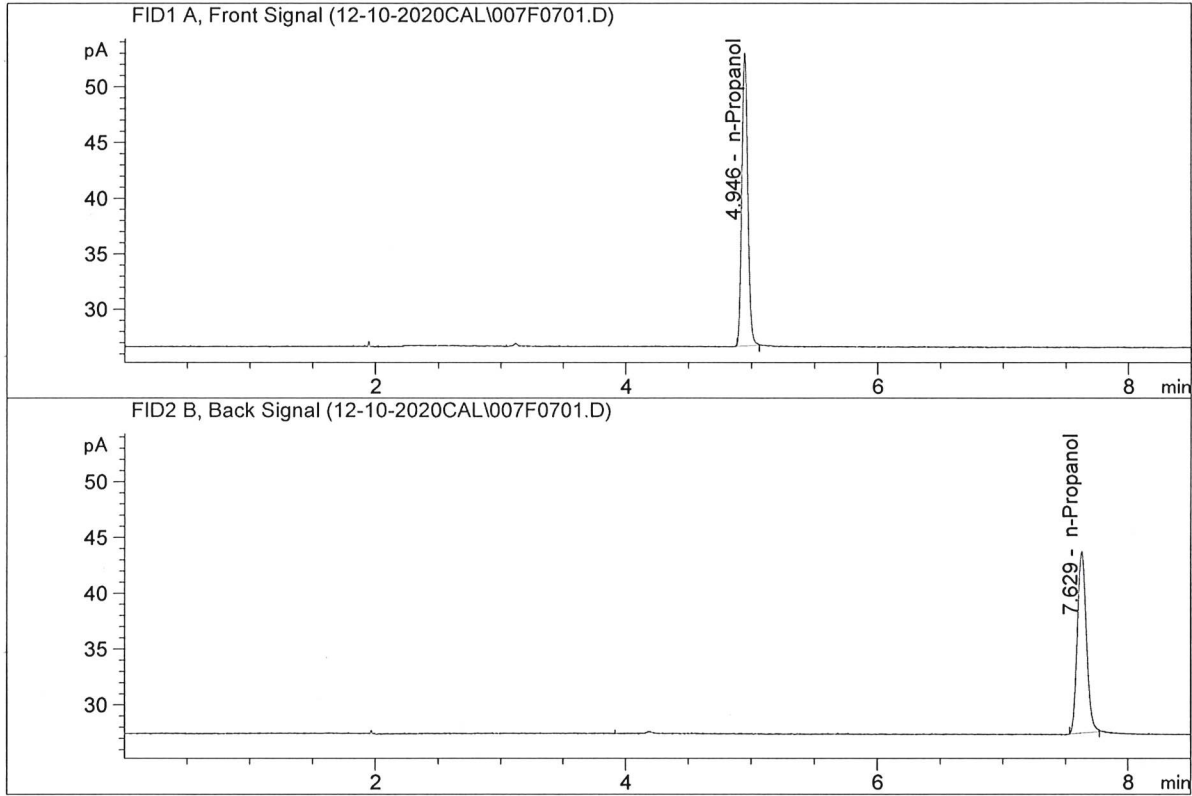


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	86.67171	0.5005	g/100cc
2.	Ethanol	Column 2:	86.15356	0.5032	g/100cc
3.	n-Propanol	Column 1:	88.65997	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.39913	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

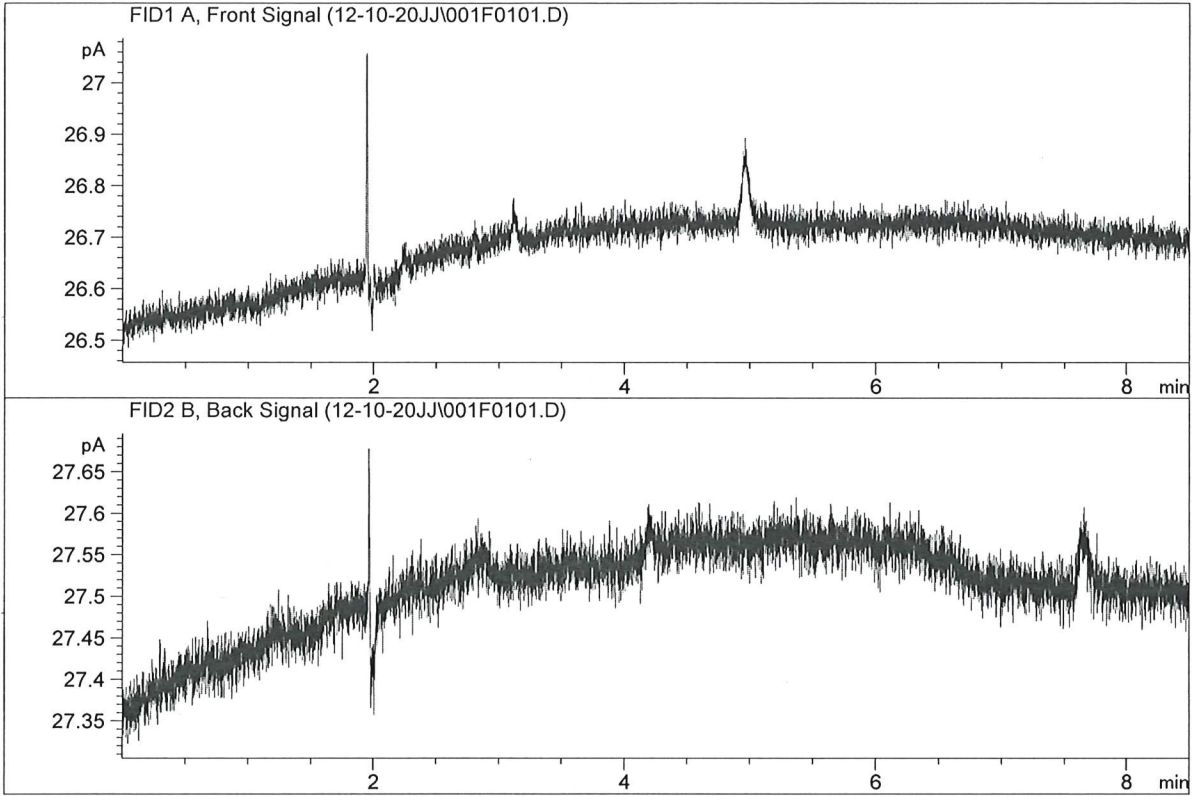


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	86.25137	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.94333	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

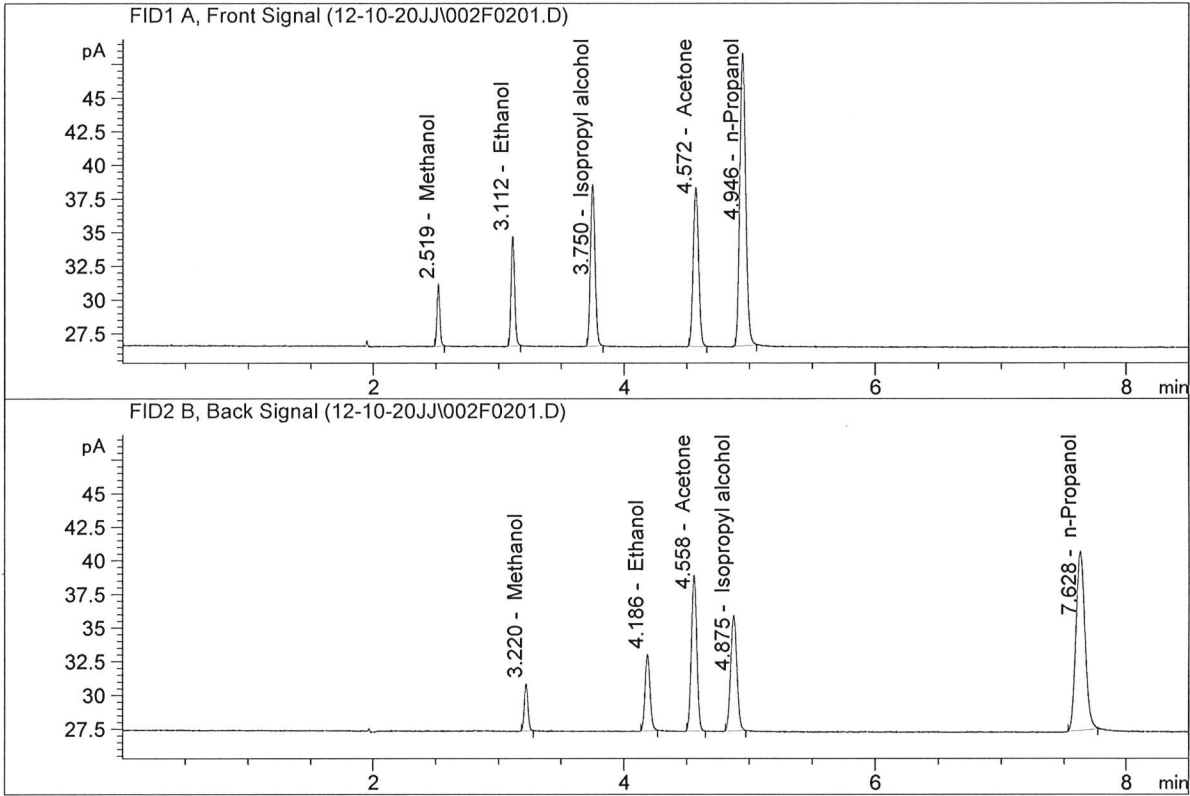


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

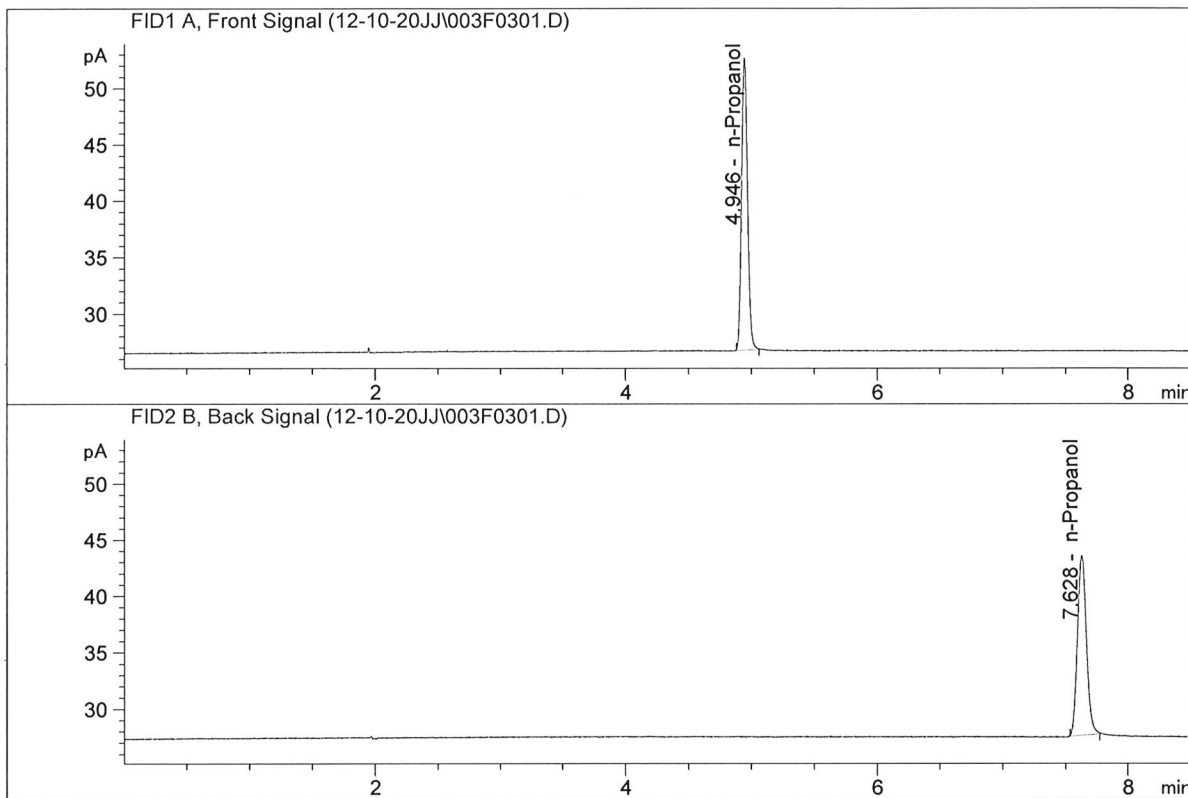


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.16387	0.1158	g/100cc
2.	Ethanol	Column 2:	15.90791	0.1148	g/100cc
3.	n-Propanol	Column 1:	71.47977	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.48512	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 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:	85.04484	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.80191	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1)

Analysis Date(s): 10 Dec 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1979	0.1964	0.0015	0.1971	0.0030	0.1986
(g/100cc)	0.2008	0.1995	0.0013	0.2001		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

Reported Result	
0.198	

Calibration and control data are stored centrally.

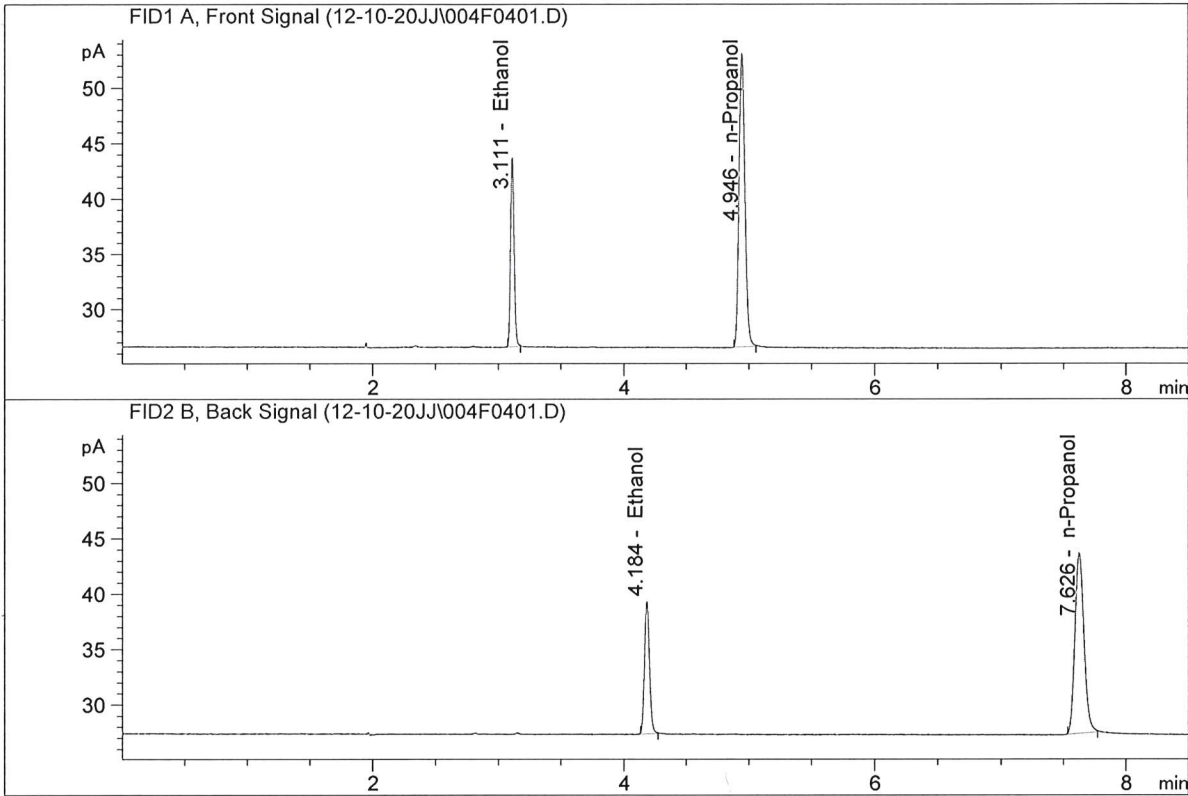
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

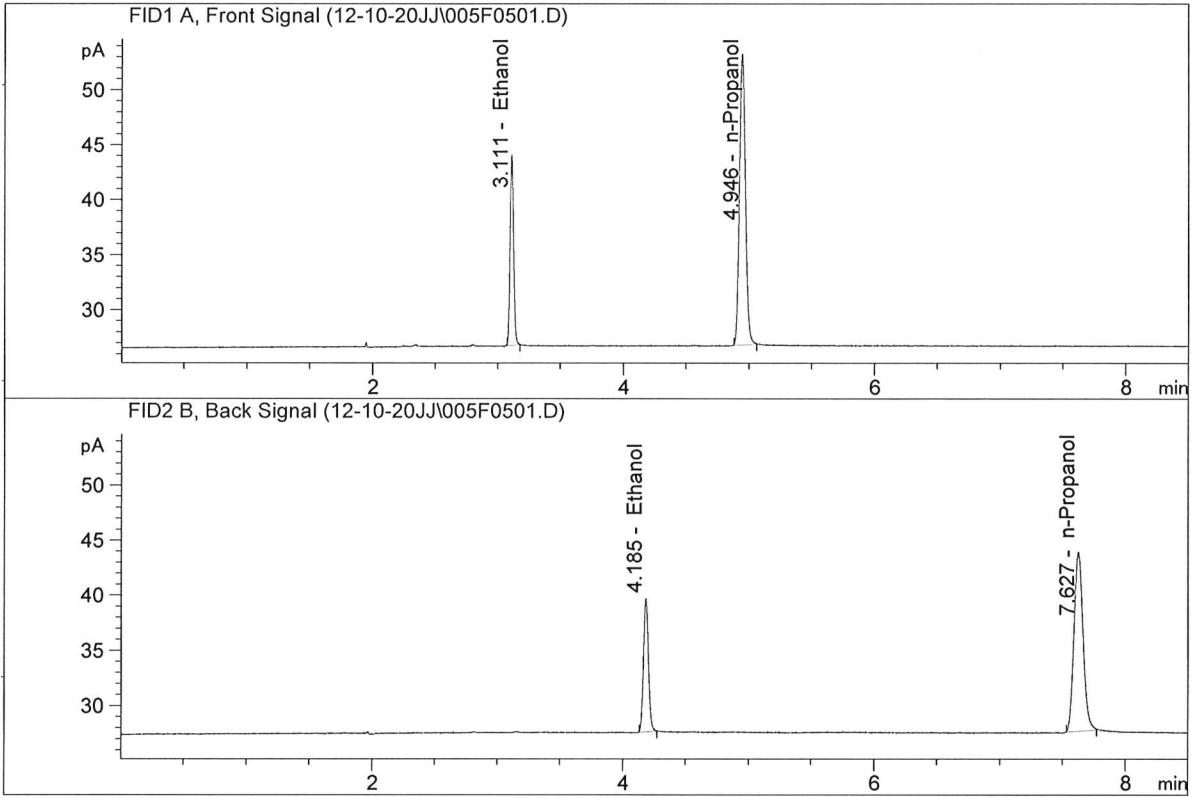


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.60979	0.1979	g/100cc
2.	Ethanol	Column 2:	33.16285	0.1964	g/100cc
3.	n-Propanol	Column 1:	86.93821	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.23383	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.10415	0.2008	g/100cc
2.	Ethanol	Column 2:	33.66403	0.1995	g/100cc
3.	n-Propanol	Column 1:	86.97413	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.17573	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 10 Dec 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0799	0.0009	0.0803	0.0001	0.0802
(g/100cc)	0.0807	0.0797	0.0010	0.0802		

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%

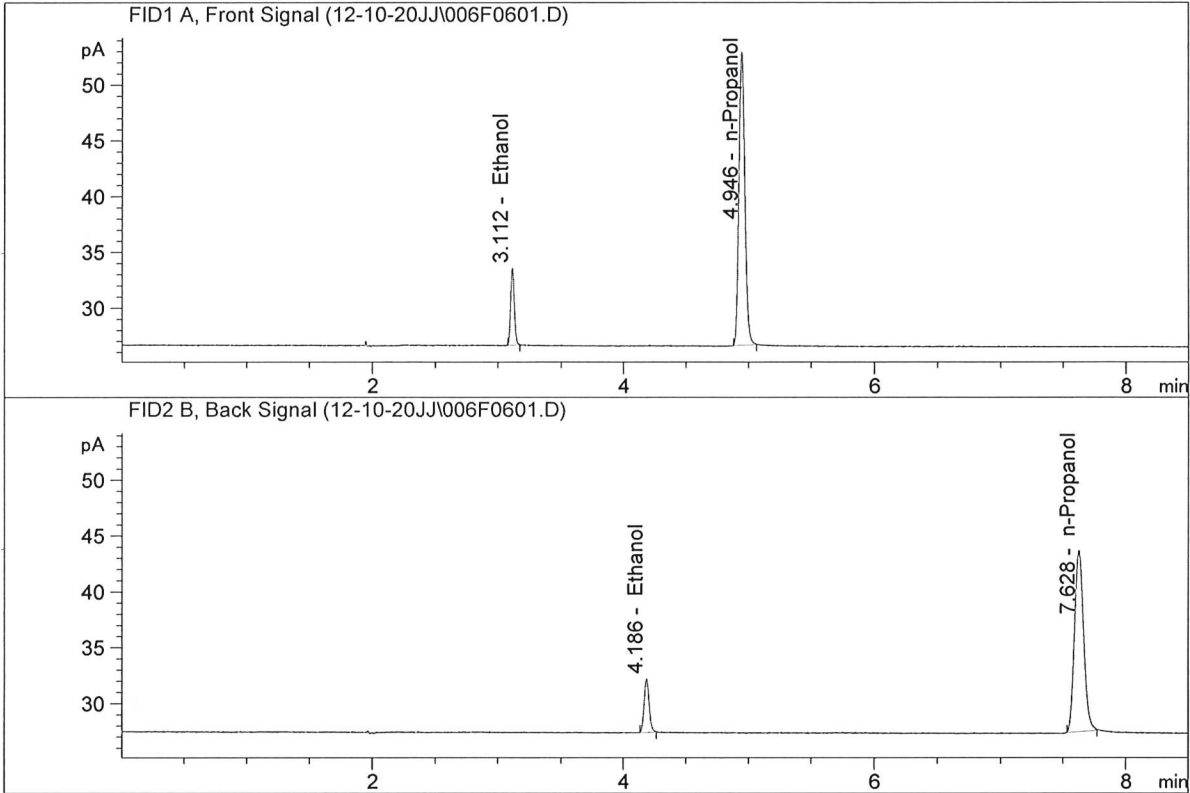
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result	
0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

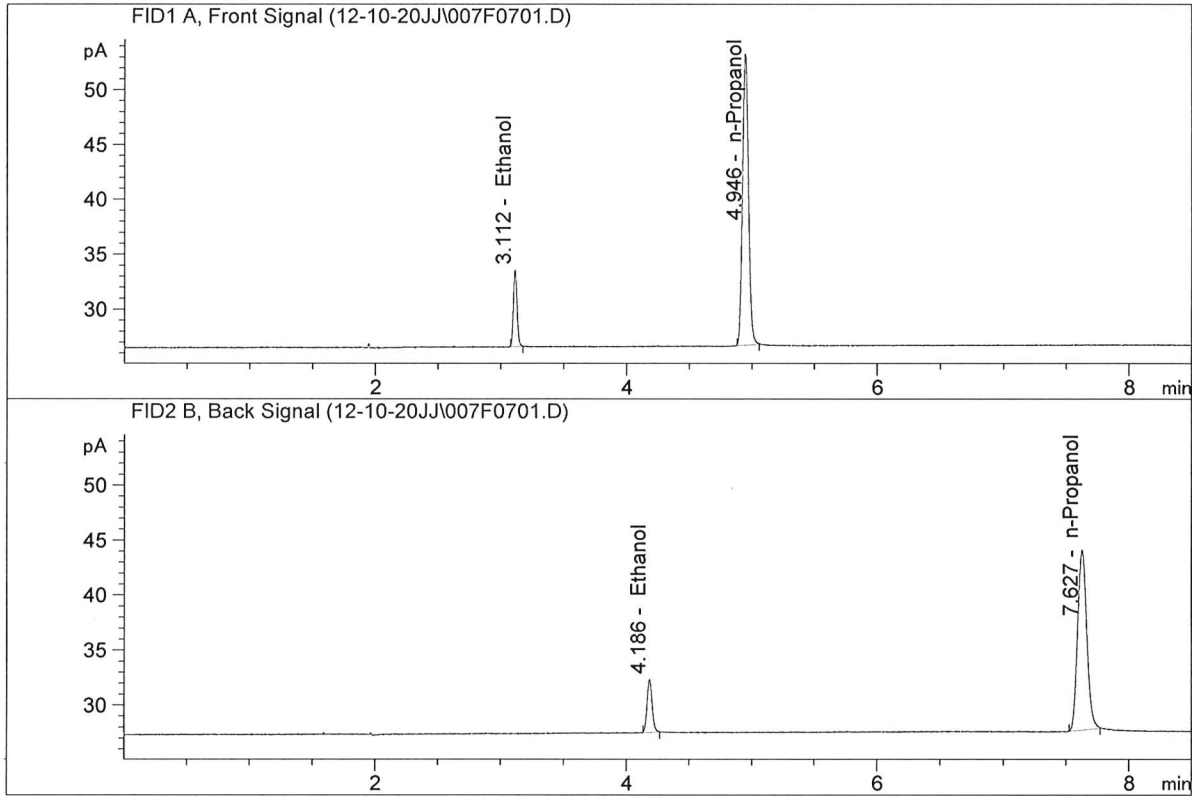


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.63561	0.0808	g/100cc
2.	Ethanol	Column 2:	13.42179	0.0799	g/100cc
3.	n-Propanol	Column 1:	86.38884	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.78767	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.76547	0.0807	g/100cc
2.	Ethanol	Column 2:	13.51961	0.0797	g/100cc
3.	n-Propanol	Column 1:	87.30557	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.61970	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2)

Analysis Date(s): 10 Dec 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1984	0.1963	0.0021	0.1973	0.0018	0.1982
(g/100cc)	0.1999	0.1983	0.0016	0.1991		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

Reported Result	
0.198	

Calibration and control data are stored centrally.

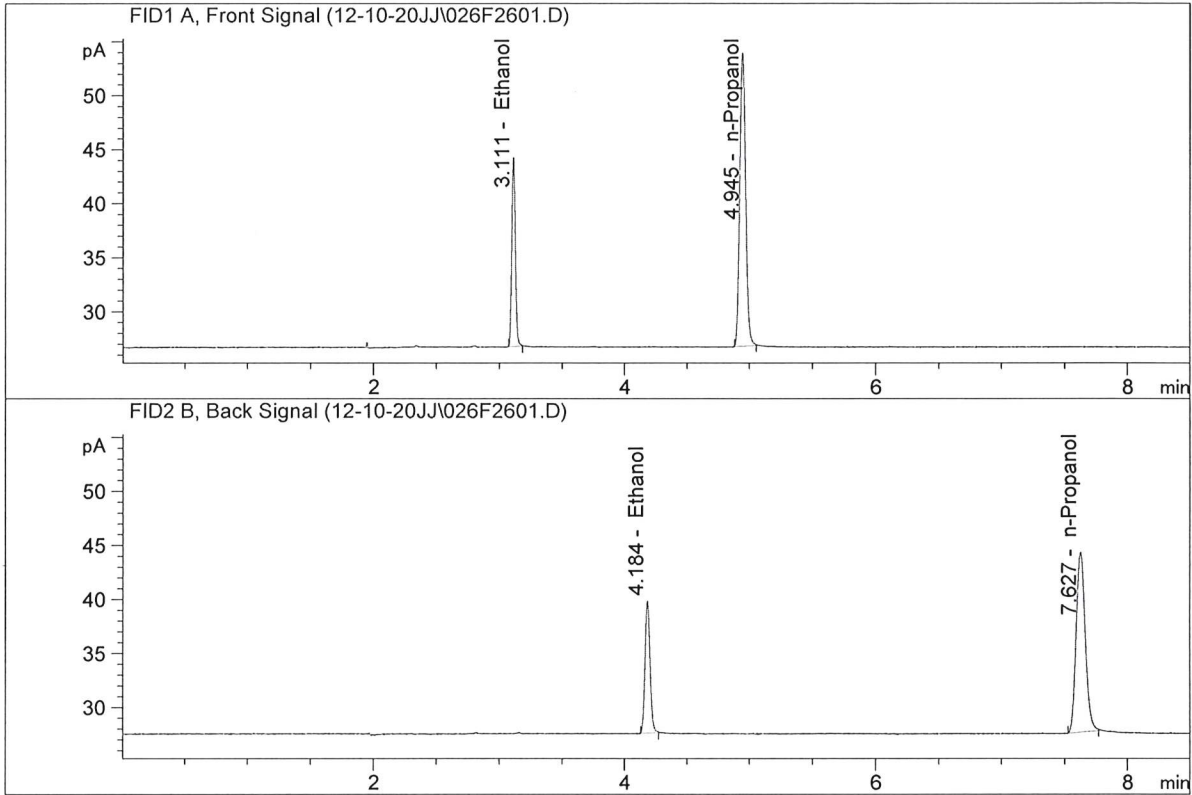
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

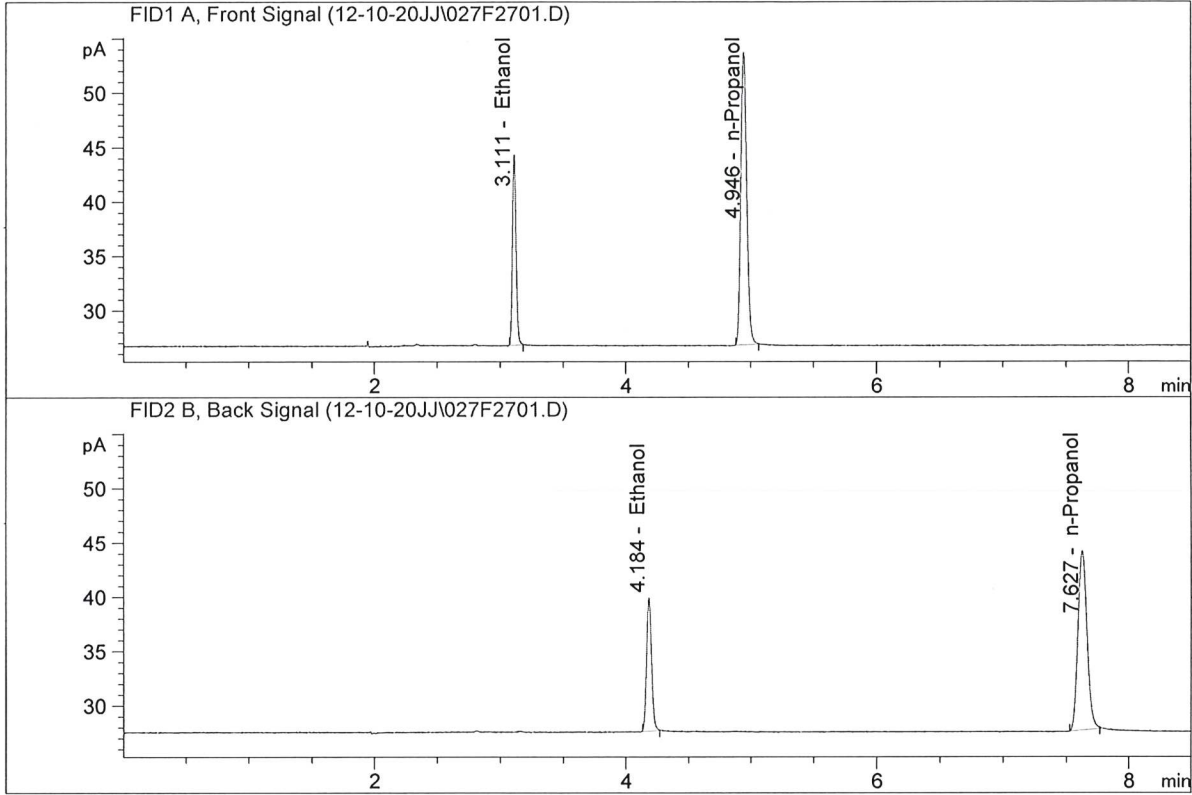


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.57201	0.1984	g/100cc
2.	Ethanol	Column 2:	33.98384	0.1963	g/100cc
3.	n-Propanol	Column 1:	89.23495	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.31731	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.62524	0.1999	g/100cc
2.	Ethanol	Column 2:	34.01677	0.1983	g/100cc
3.	n-Propanol	Column 1:	88.69695	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.55394	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 10 Dec 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0746	0.0734	0.0012	0.0740	0.0002	0.0739
(g/100cc)	0.0746	0.0731	0.0015	0.0738		

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%

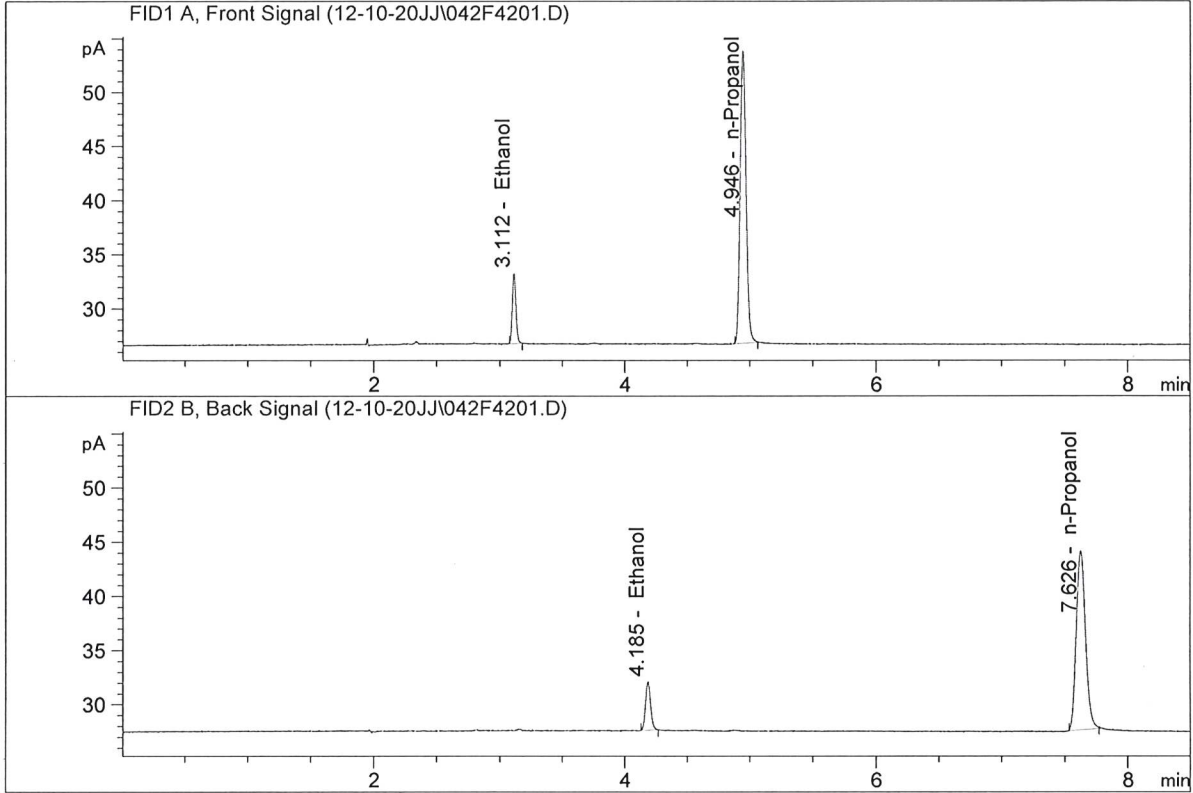
Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	0.069	0.077	0.004

Reported Result	
0.073	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

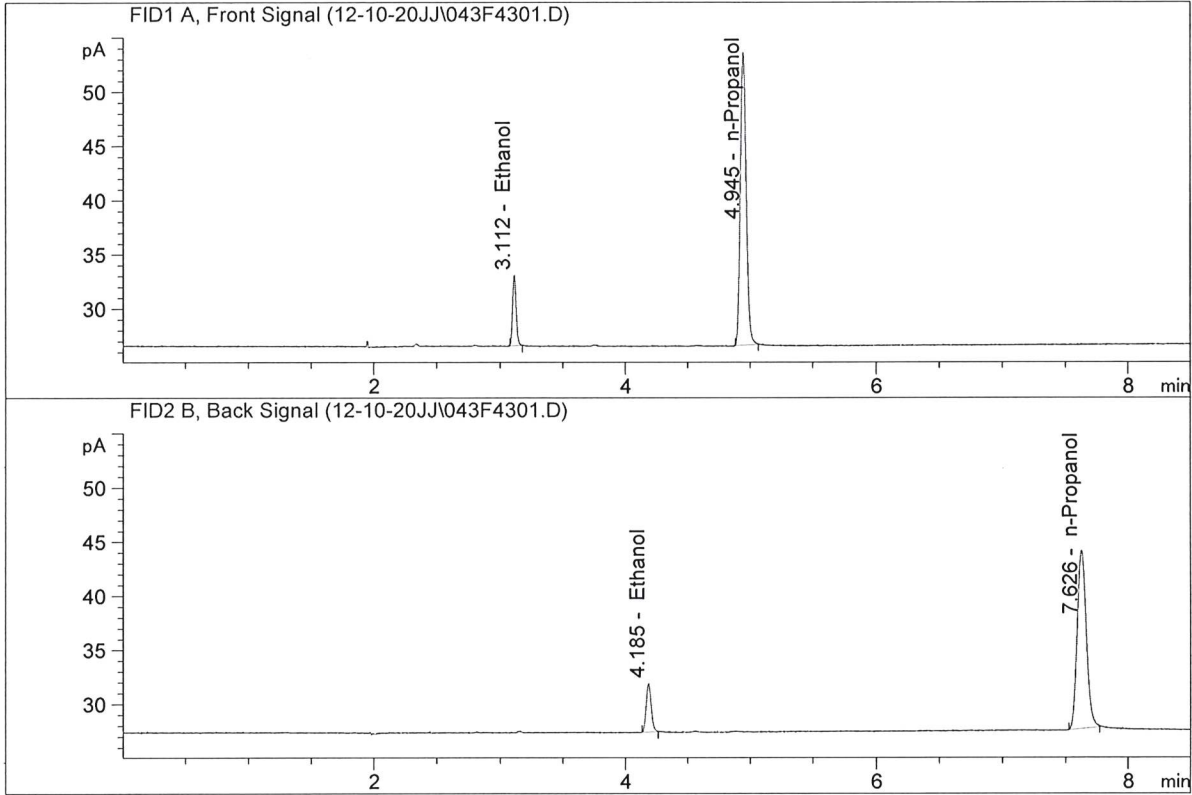


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.94651	0.0746	g/100cc
2.	Ethanol	Column 2:	12.57672	0.0734	g/100cc
3.	n-Propanol	Column 1:	88.87858	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.42986	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 2020
 Method : ALCOHOL.M
 Acq. Instrument: CN10742044-IT00725005

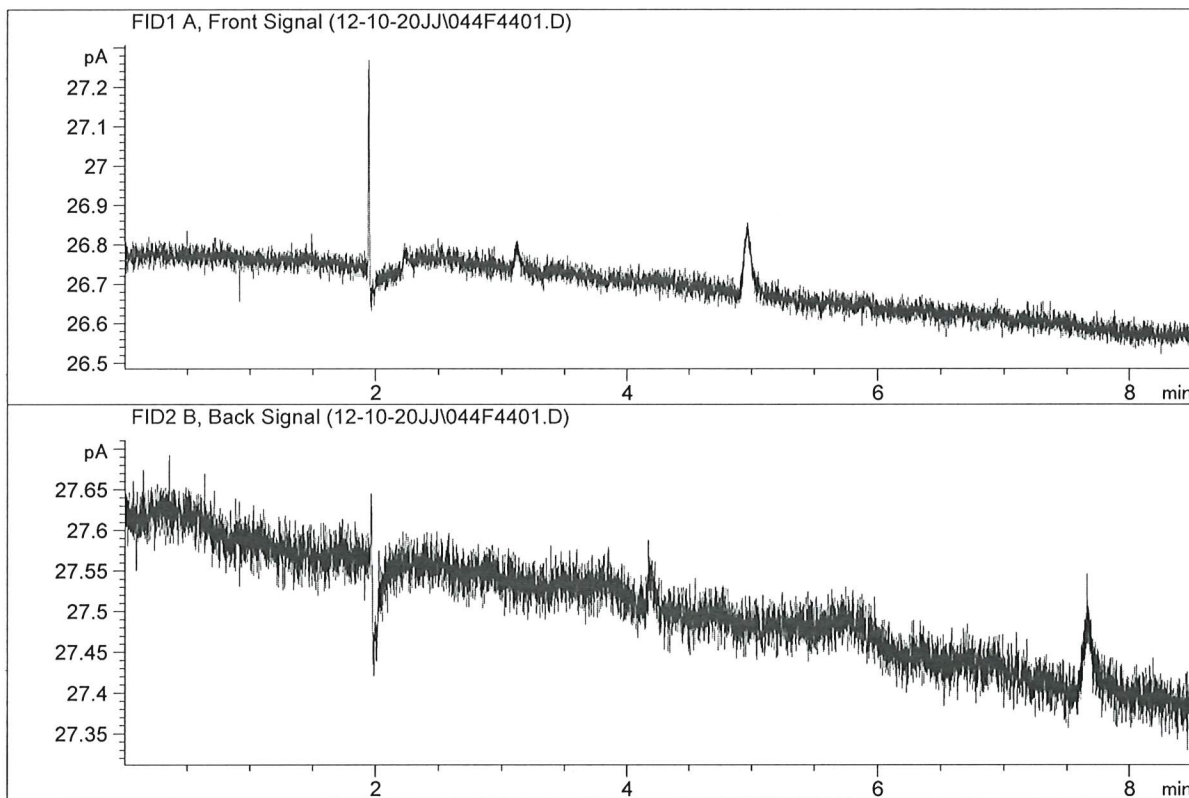


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.94671	0.0746	g/100cc
2.	Ethanol	Column 2:	12.55967	0.0731	g/100cc
3.	n-Propanol	Column 1:	88.89735	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.72758	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
 Laboratory : Coeur d' Alene
 Injection Date : Dec 10, 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

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