12/8/2020

Worklist: 4663

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-2924	2	BCK	Alcohol Analysis
P2020-3377	1	BCK	Alcohol Analysis
P2020-3414	1	BCK	Alcohol Analysis
P2020-3415	1	BCK	Alcohol Analysis
P2020-3431	1	BCK	Alcohol Analysis
P2020-3432	1	BCK	Alcohol Analysis
P2020-3477	1	BCK	Alcohol Analysis
P2020-3478	1	BCK	Alcohol Analysis
P2020-3479	1	BCK	Alcohol Analysis
P2020-3504	1	BCK	Alcohol Analysis
P2020-3515	1	BCK	Alcohol Analysis
P2020-3516	1	BCK	Alcohol Analysis
P2020-3532	1	BCK	Alcohol Analysis
P2020-3535	1	BCK	Alcohol Analysis
P2020-3536	1	BCK	Alcohol Analysis
P2020-3550	1	BCK	Alcohol Analysis
P2020-3551	1	BCK	Alcohol Analysis
P2020-3566	1	BCK	Alcohol Analysis
P2020-3569	1	BCK	Alcohol Analysis
P2020-3570	1	AALIQ	Alcohol Analysis
P2020-3576	1	BCK	Alcohol Analysis

Worklist: 4663

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-3577	1	BCK	Alcohol Analysis

JD

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): 12-09-20**

worklist #4663

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0751 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1985 g/100cc
					0.1991 g/100cc
					g/100cc
Multi-Component mixture:		**Jul-22**	**Lot #**	FN07101701	OK
Curve Fit:		**Column 1**	1.00000	**Column2**	0.99999

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0498	0.0484	0.0014	0.0491
100	0.100	0.090 - 0.110	0.1002	0.0990	0.0012	0.0996
200	0.200	0.180 - 0.220	0.2010	0.1993	0.0017	0.2001
300	0.300	0.270 - 0.330	0.2994	0.2981	0.0013	0.2987
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4999	0.5018	0.0019	0.5008

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 4:15 pm, Dec 16, 2020

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.12.2020_01.02.13\12-09-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.12.2020_01.02.13\12-09-2020.S
Data directory path: C:\Chem32\1\Data\12-09-20JJ
Logbook: C:\Chem32\1\Data\12-09-20JJ\12-09-2020.LOG
Sequence start: 12/9/2020 1:15:58 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	P2020-2924-2-A	-	1.0000	008F0801.D		4
9	9	1	P2020-2924-2-B	-	1.0000	009F0901.D		4
10	10	1	P2020-3377-1-A	-	1.0000	010F1001.D		2
11	11	1	P2020-3377-1-B	-	1.0000	011F1101.D		2
12	12	1	P2020-3414-1-A	-	1.0000	012F1201.D		6
13	13	1	P2020-3414-1-B	-	1.0000	013F1301.D		6
14	14	1	P2020-3415-1-A	-	1.0000	014F1401.D		6
15	15	1	P2020-3415-1-B	-	1.0000	015F1501.D		4
16	16	1	P2020-~~3421~~-1-A 3431	- 99 12-10-20	1.0000	016F1601.D		5
17	17	1	P2020-~~3421~~-1-B 3431	- 99	1.0000	017F1701.D		4
18	18	1	P2020-3432-1-A	-	1.0000	018F1801.D		4
19	19	1	P2020-3432-1-B	-	1.0000	019F1901.D		4
20	20	1	P2019-3477-1-A	-	1.0000	020F2001.D		4
21	21	1	P2019-3477-1-B	-	1.0000	021F2101.D		4
22	22	1	P2020-3478-1-A	-	1.0000	022F2201.D		4
23	23	1	P2020-3478-1-B	-	1.0000	023F2301.D		4
24	24	1	P2020-3479-1-A	-	1.0000	024F2401.D		4
25	25	1	P2020-3479-1-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	P2020-3532-1-A	-	1.0000	028F2801.D		4
29	29	1	P2020-3532-1-B	-	1.0000	029F2901.D		4
30	30	1	P2020-3535-1-A	-	1.0000	030F3001.D		4
31	31	1	P2020-3535-1-B	-	1.0000	031F3101.D		4
32	32	1	P2020-3536-1-A	-	1.0000	032F3201.D		2
33	33	1	P2020-3536-1-B	-	1.0000	033F3301.D		2
34	34	1	P2020-3550-1-A	-	1.0000	034F3401.D		4
35	35	1	P2020-3550-1-B	-	1.0000	035F3501.D		4
36	36	1	P2020-3551-1-A	-	1.0000	036F3601.D		6
37	37	1	P2020-3551-1-B	-	1.0000	037F3701.D		6
38	38	1	P2020-3566-1-A	-	1.0000	038F3801.D		4
39	39	1	P2020-3566-1-B	-	1.0000	039F3901.D		4
40	40	1	P2020-3569-1-A	-	1.0000	040F4001.D		6
41	41	1	P2020-3569-1-B	-	1.0000	041F4101.D		0
42	42	1	P2020-3570-1-A	-	1.0000	042F4201.D		4
43	43	1	P2020-3570-1-B	-	1.0000	043F4301.D		4
44	44	1	P2020-3576-1-A	-	1.0000	044F4401.D		4
45	45	1	P2020-3576-1-B	-	1.0000	045F4501.D		4
46	46	1	P2020-3577-1-A	-	1.0000	046F4601.D		4

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.12.2020_01.02.13\12-09-2020.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
47	47	1	P2020-3577-1-B	-	1.0000	047F4701.D	4
48	48	1	QC-1(1)-A	-	1.0000	048F4801.D	4
49	49	1	QC-1(1)-B	-	1.0000	049F4901.D	4
50	50	1	water-2	-	1.0000	050F5001.D	0

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Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, December 09, 2020 12:45:43 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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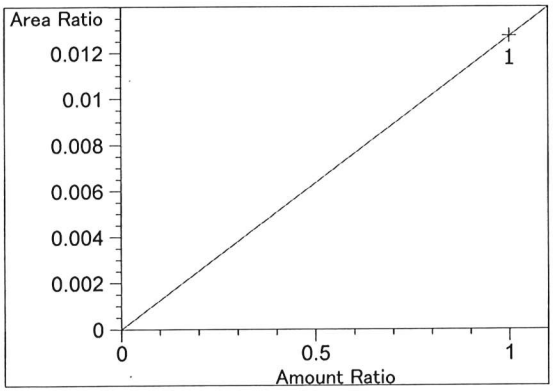
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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	8.61079	5.80667e-3	No	No	1	Ethanol
		2	1.00000e-1	17.29408	5.78233e-3				
		3	2.00000e-1	34.64369	5.77306e-3				
		4	3.00000e-1	51.76382	5.79555e-3				
		5	5.00000e-1	86.44727	5.78387e-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
4.183	2	1	5.00000e-2	8.19605	6.10050e-3	No	No	2	Ethanol
		2	1.00000e-1	16.71081	5.98415e-3				
		3	2.00000e-1	33.54628	5.96191e-3				
		4	3.00000e-1	50.19519	5.97667e-3				
		5	5.00000e-1	84.66554	5.90559e-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	88.37366	1.13156e-2	No	Yes	1	n-Propanol
		2	1.00000	88.21969	1.13353e-2				
		3	1.00000	88.11152	1.13493e-2				
		4	1.00000	88.40332	1.13118e-2				
		5	1.00000	88.40755	1.13113e-2				
7.626	2	1	1.00000	83.78484	1.19353e-2	No	Yes	2	n-Propanol
		2	1.00000	83.45334	1.19827e-2				
		3	1.00000	83.22694	1.20153e-2				
		4	1.00000	83.25594	1.20112e-2				
		5	1.00000	83.42220	1.19872e-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: 1.27462e-2
x: Amount Ratio
y: Area Ratio

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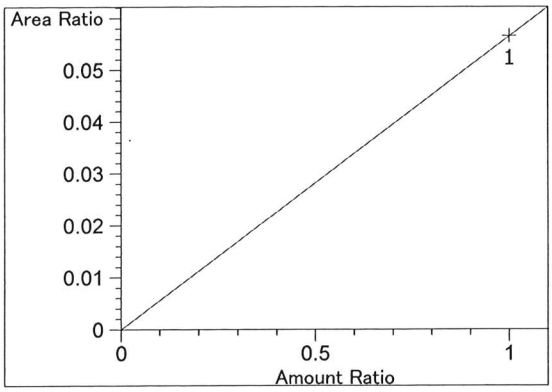
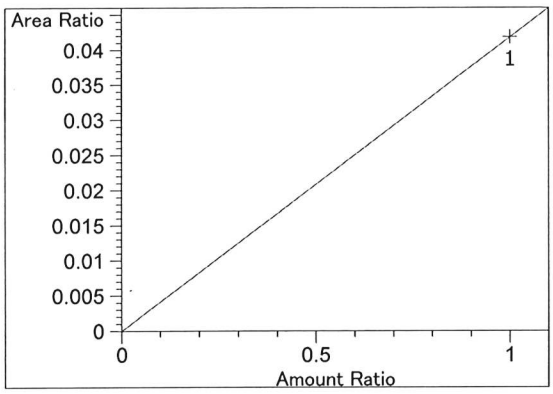
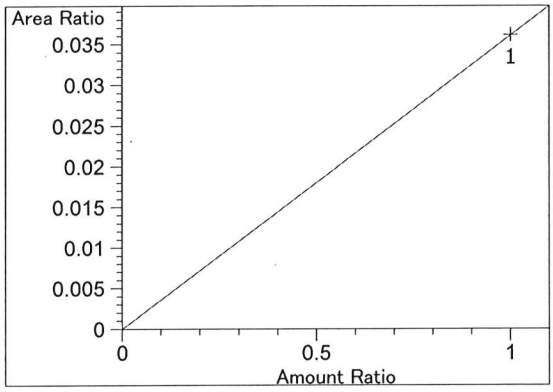


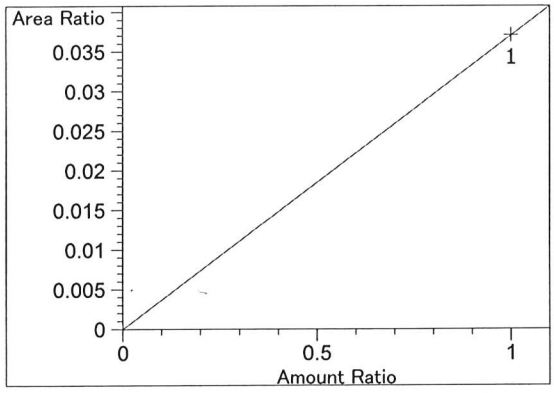
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.65779e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.18303e-2
x: Amount Ratio
y: Area Ratio

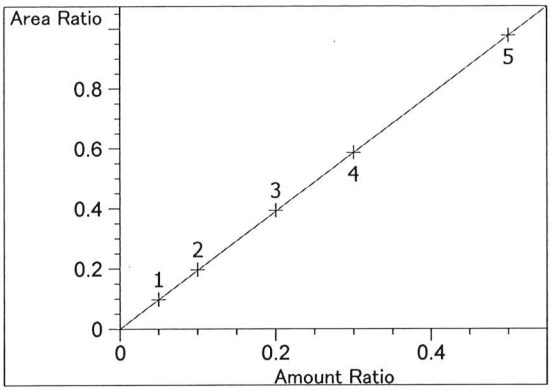


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.61319e-2
x: Amount Ratio
y: Area Ratio

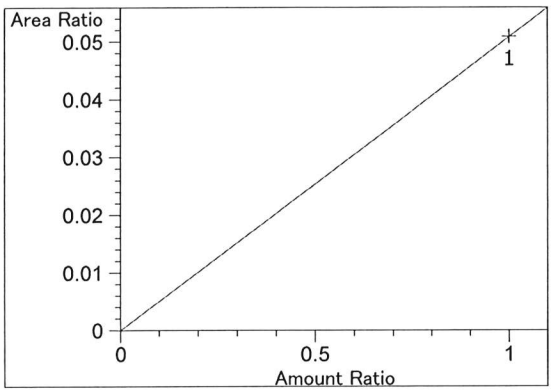


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.70682e-2
x: Amount Ratio
y: Area Ratio

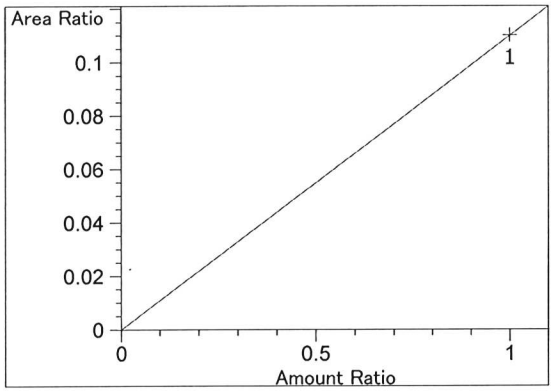
99



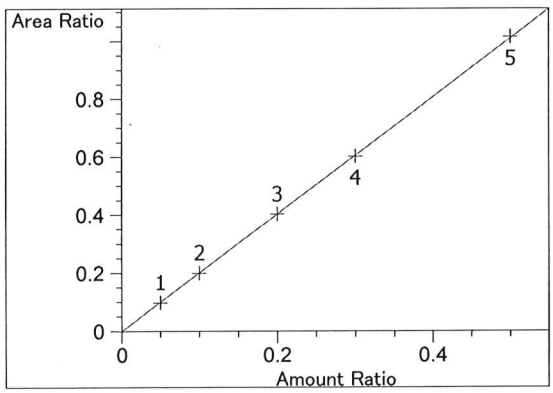
Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00121
Formula: y = mx
m: 1.95589
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.08520e-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: 1.10107e-1
x: Amount Ratio
y: Area Ratio



Ethanol at exp. RT: 4.183
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00336
Formula: y = mx
m: 2.02255
x: Amount Ratio
y: Area Ratio

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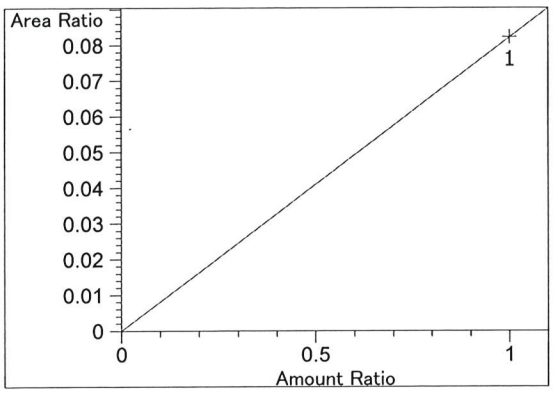
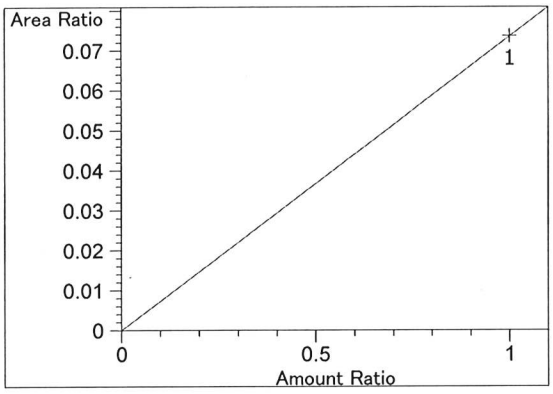
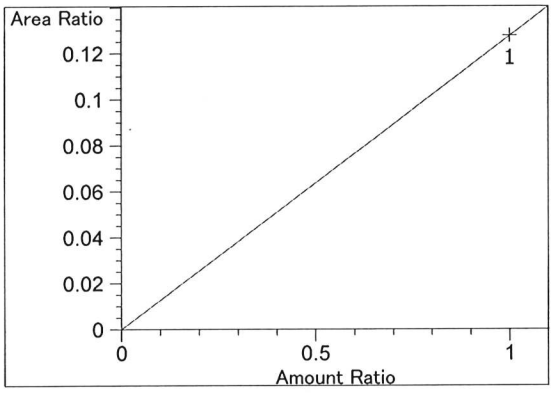


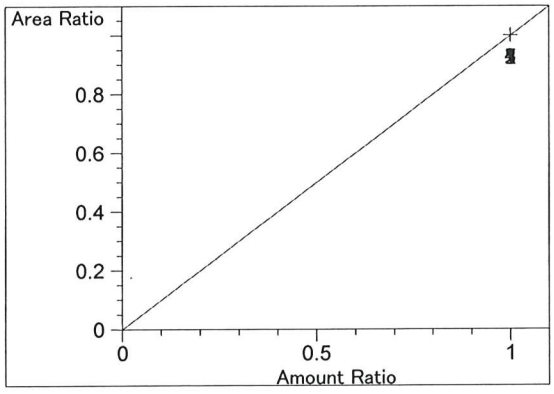
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.22704e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.35445e-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: 1.27785e-1
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
m: 1.00000
x: Amount Ratio
y: Area Ratio

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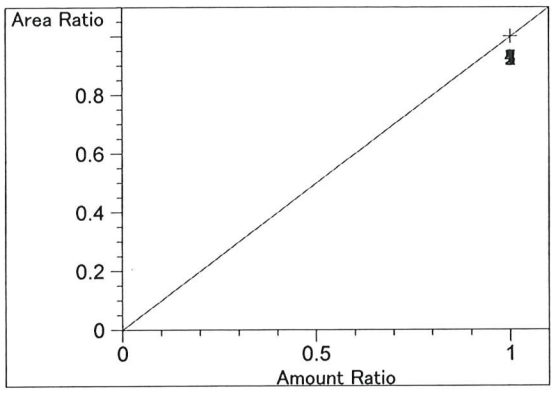

n-Propanol at exp. RT: 7.626
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.12.2020_11.14.25\12-09-2020cal.S

Sample Summary

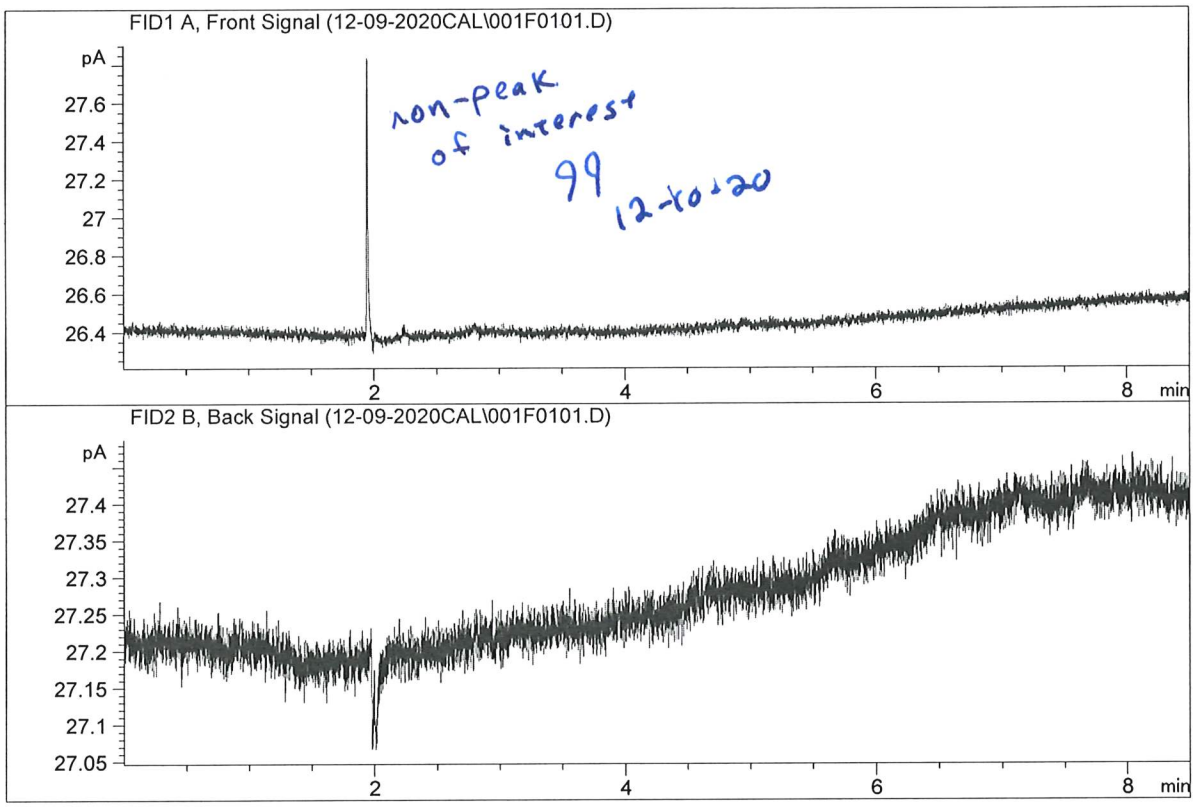
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.12.2020_11.14.25\12-09-2020cal.S
Data directory path: C:\Chem32\1\Data\12-09-2020CAL
Logbook: C:\Chem32\1\Data\12-09-2020CAL\12-09-2020cal.LOG
Sequence start: 12/9/2020 11:28:10 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 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

- peak occurs prior to DFE R_T
does not occur in any 99 12-10-20 samples

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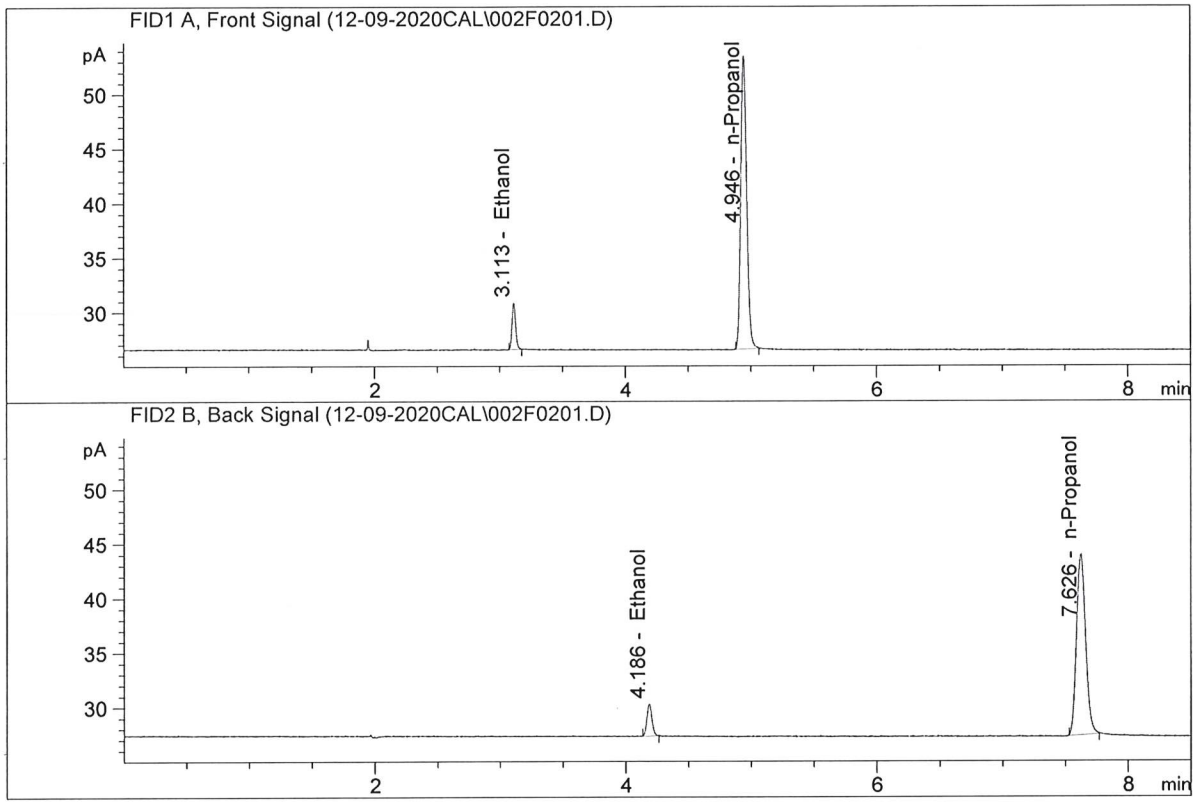
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.61079	0.0498	g/100cc
2.	Ethanol	Column 2:	8.19605	0.0484	g/100cc
3.	n-Propanol	Column 1:	88.37366	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.78484	1.0000	g/100cc

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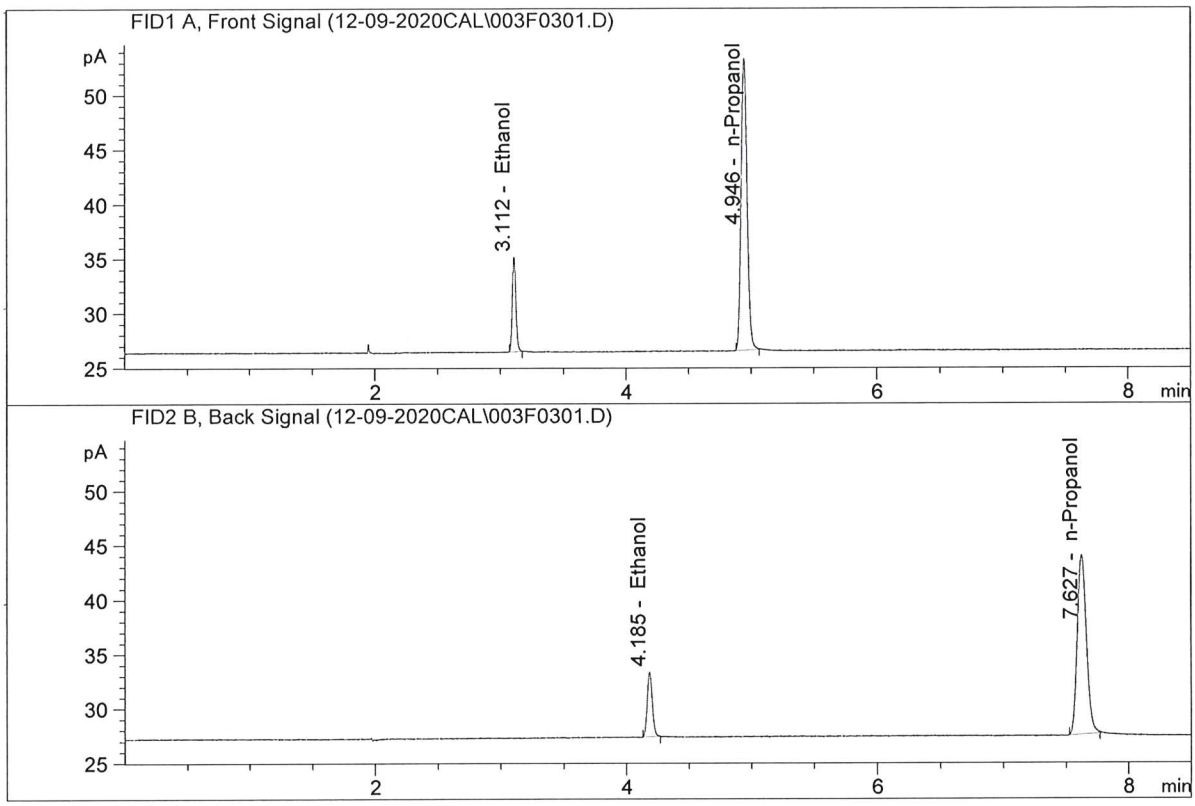
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

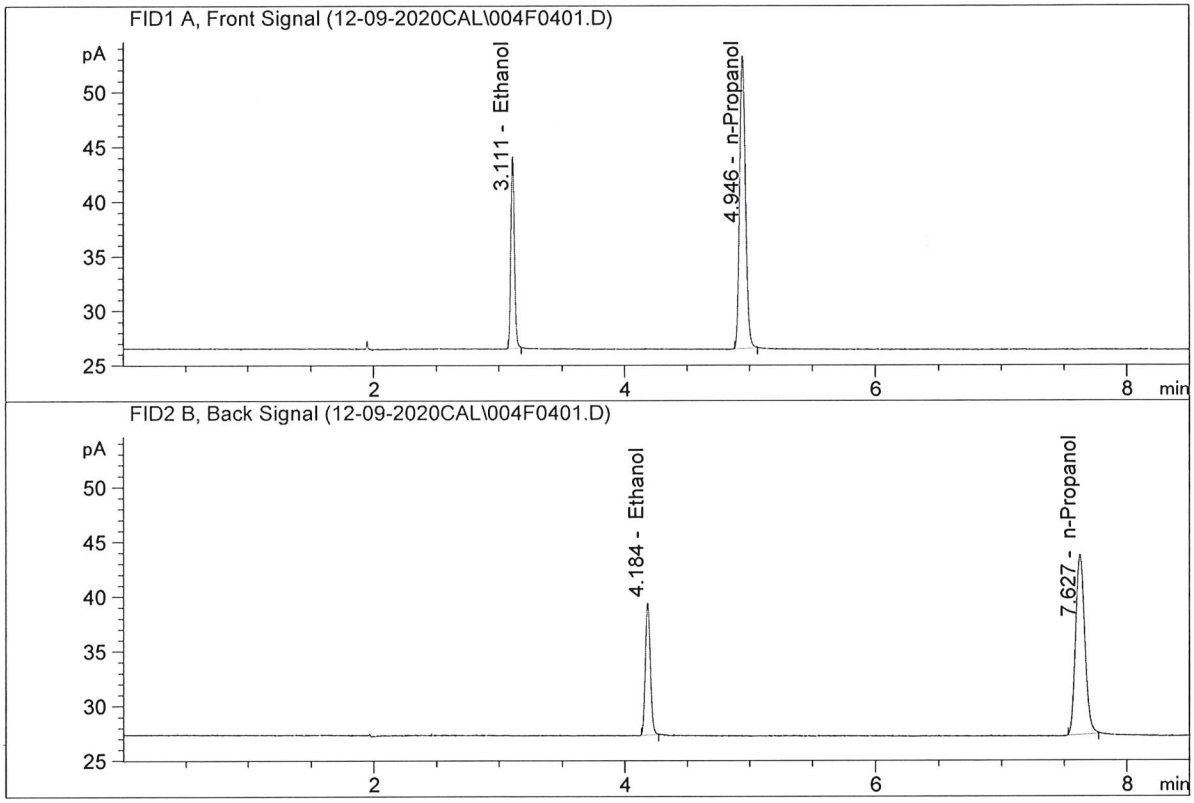


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.29408	0.1002	g/100cc
2.	Ethanol	Column 2:	16.71081	0.0990	g/100cc
3.	n-Propanol	Column 1:	88.21969	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.45334	1.0000	g/100cc

89

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

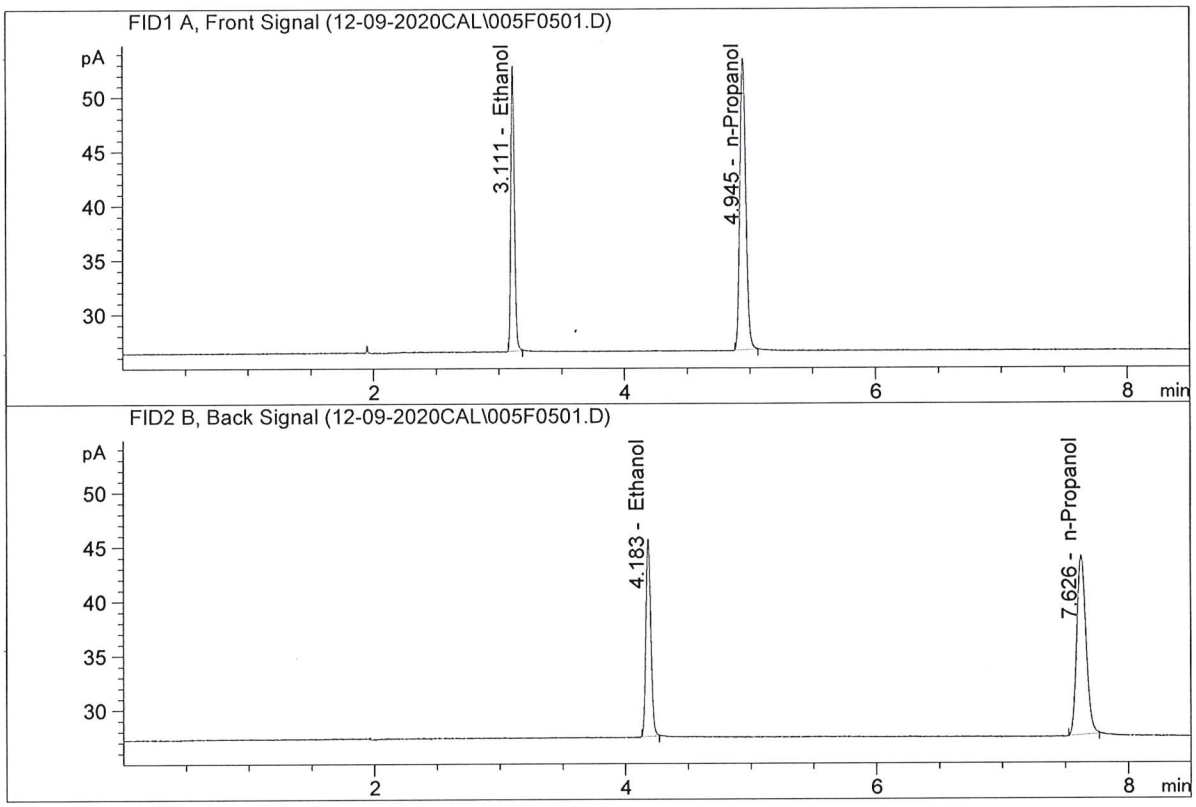


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.64369	0.2010	g/100cc
2.	Ethanol	Column 2:	33.54628	0.1993	g/100cc
3.	n-Propanol	Column 1:	88.11152	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.22694	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

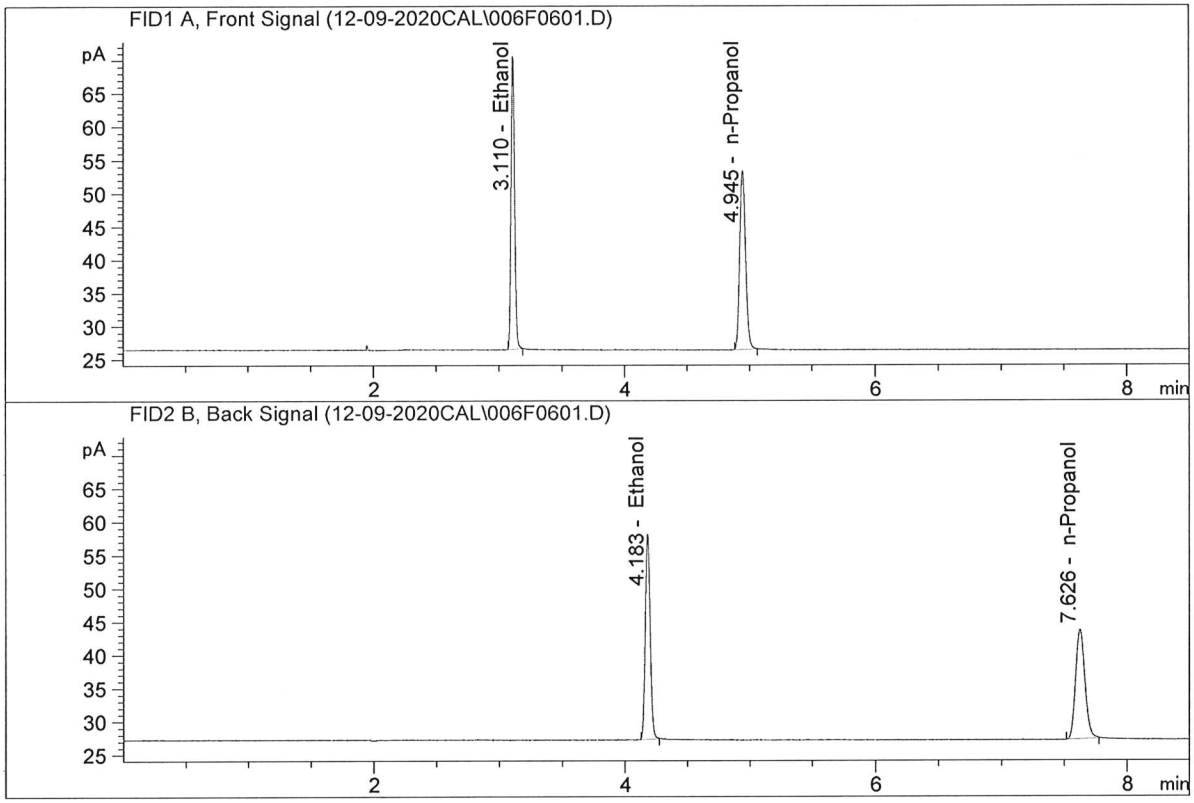


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	51.76382	0.2994	g/100cc
2.	Ethanol	Column 2:	50.19519	0.2981	g/100cc
3.	n-Propanol	Column 1:	88.40332	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.25594	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

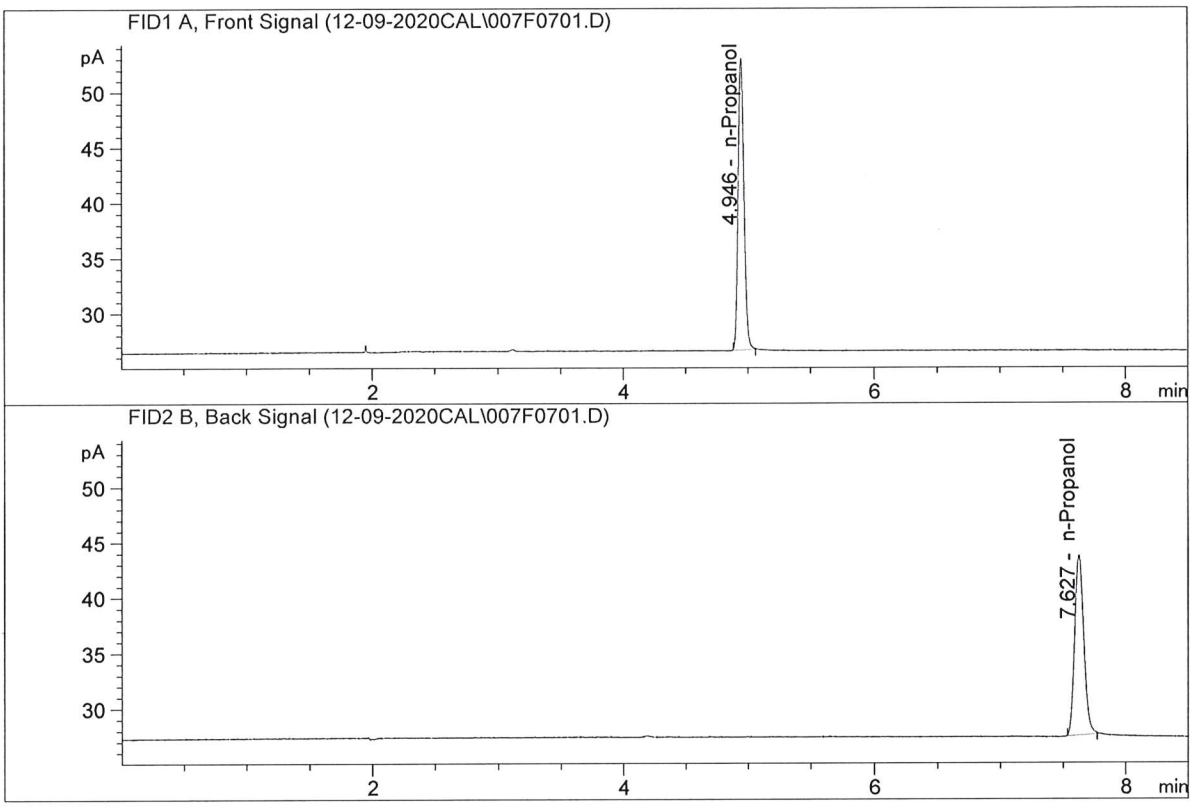


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	86.44727	0.4999	g/100cc
2.	Ethanol	Column 2:	84.66554	0.5018	g/100cc
3.	n-Propanol	Column 1:	88.40755	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.42220	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

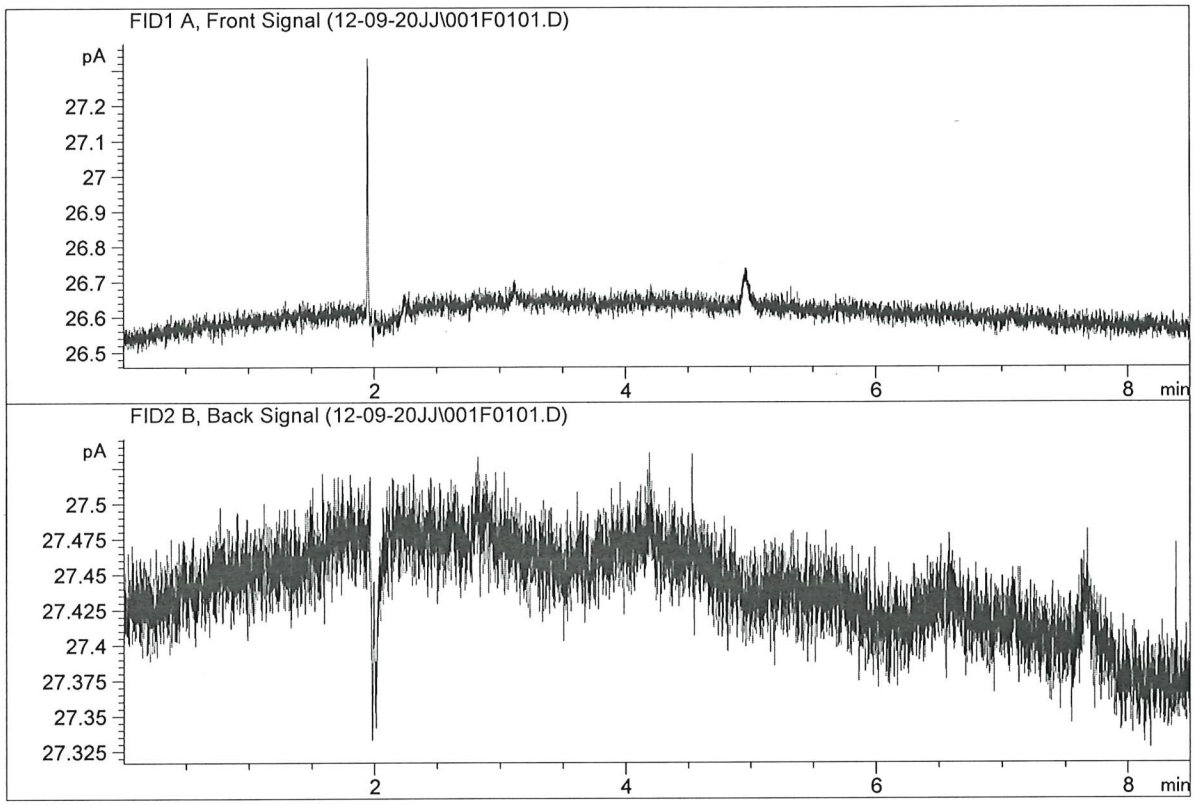


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	86.71880	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.22736	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

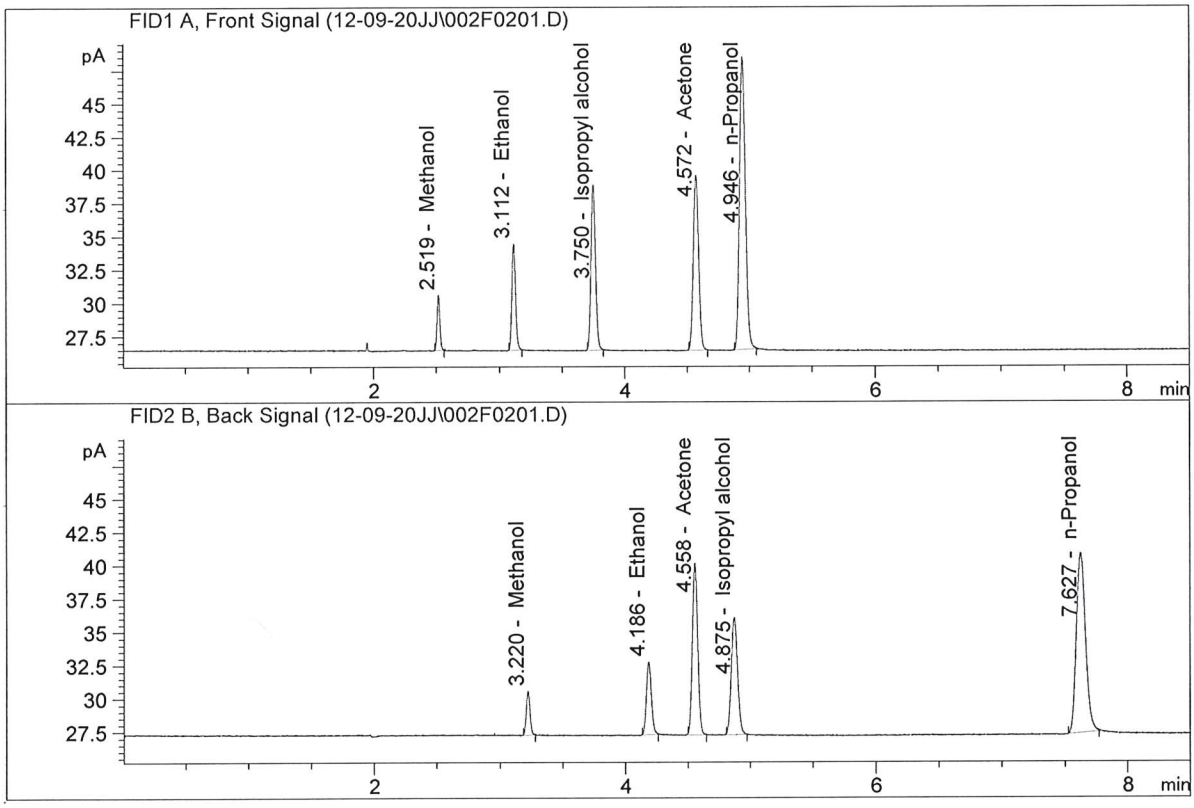


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

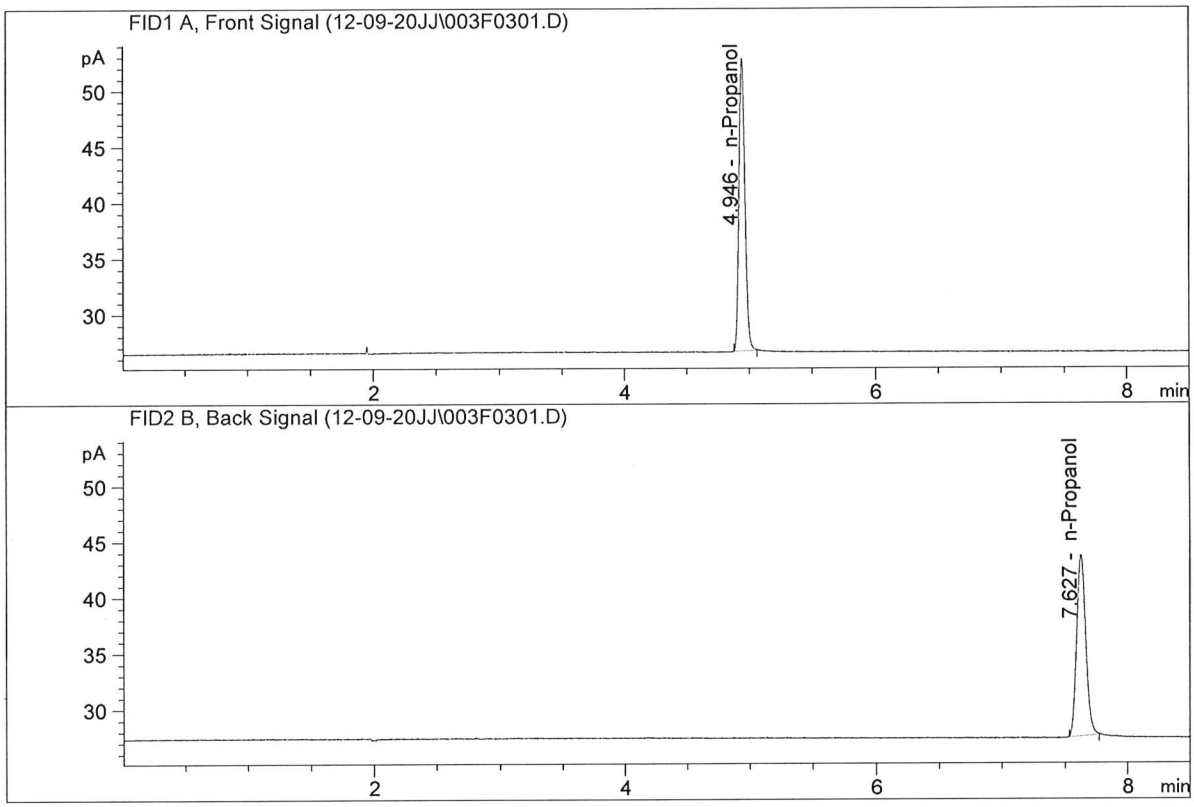


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.78706	0.1113	g/100cc
2.	Ethanol	Column 2:	15.28449	0.1104	g/100cc
3.	n-Propanol	Column 1:	72.48827	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.47535	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 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:	85.99359	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.61715	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 09 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1987	0.1985	0.0002	0.1986	0.0001	0.1985
(g/100cc)	0.1990	0.1980	0.0010	0.1985		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

Reported Result

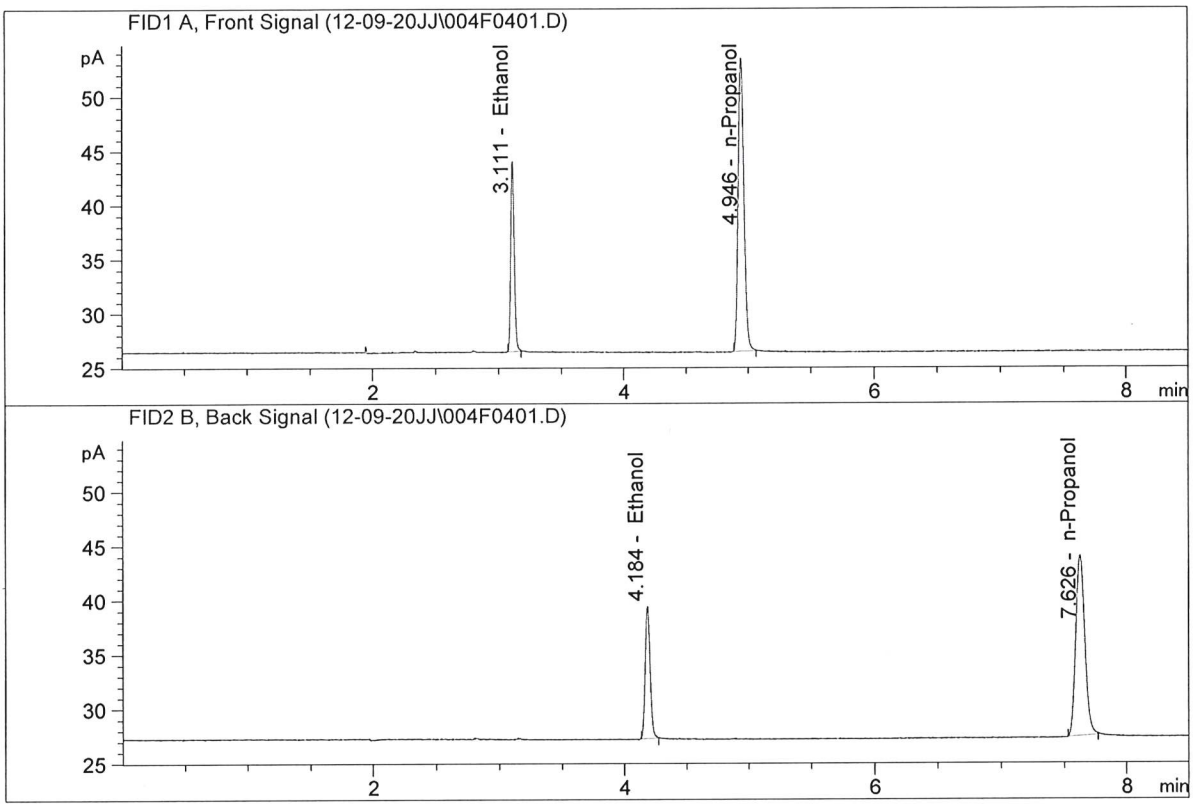
0.198

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 : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

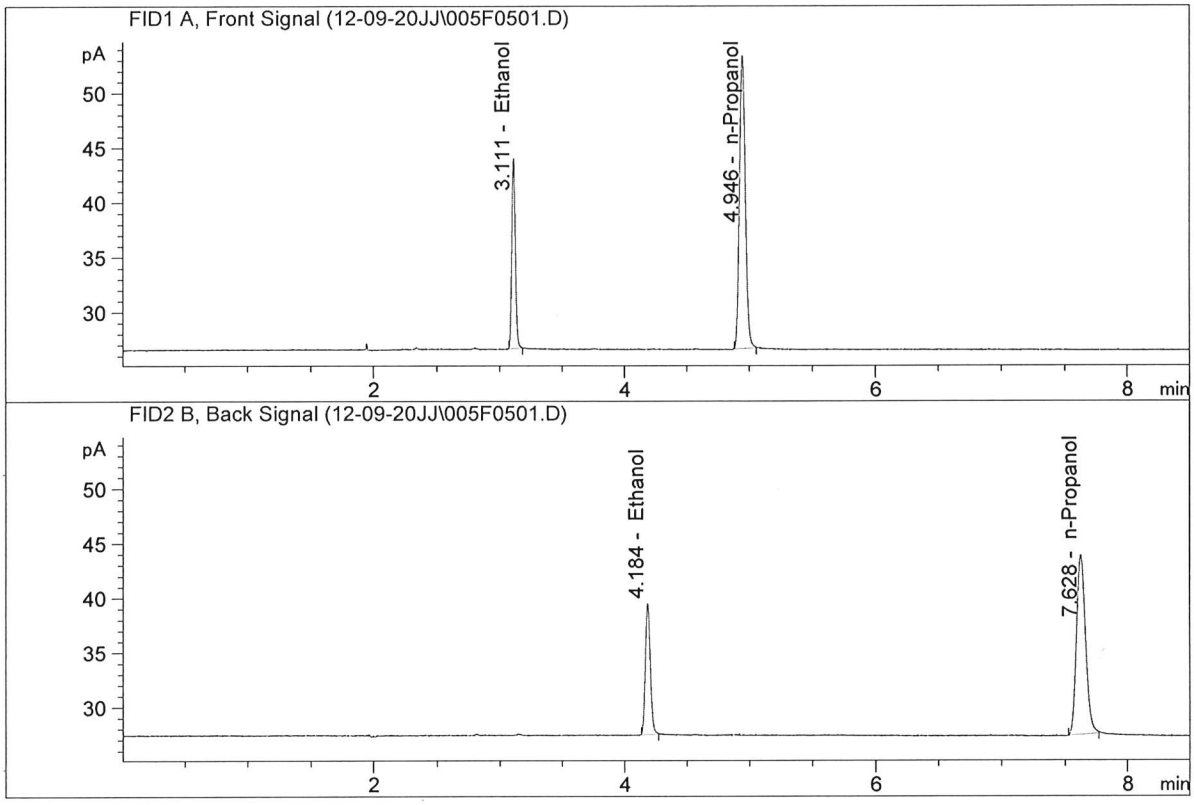


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.51134	0.1987	g/100cc
2.	Ethanol	Column 2:	33.69764	0.1985	g/100cc
3.	n-Propanol	Column 1:	88.81242	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.94187	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.12910	0.1990	g/100cc
2.	Ethanol	Column 2:	33.26002	0.1980	g/100cc
3.	n-Propanol	Column 1:	87.69615	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.04858	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 09 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0812	0.0804	0.0008	0.0808	0.0011	0.0802
(g/100cc)	0.0800	0.0795	0.0005	0.0797		

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**

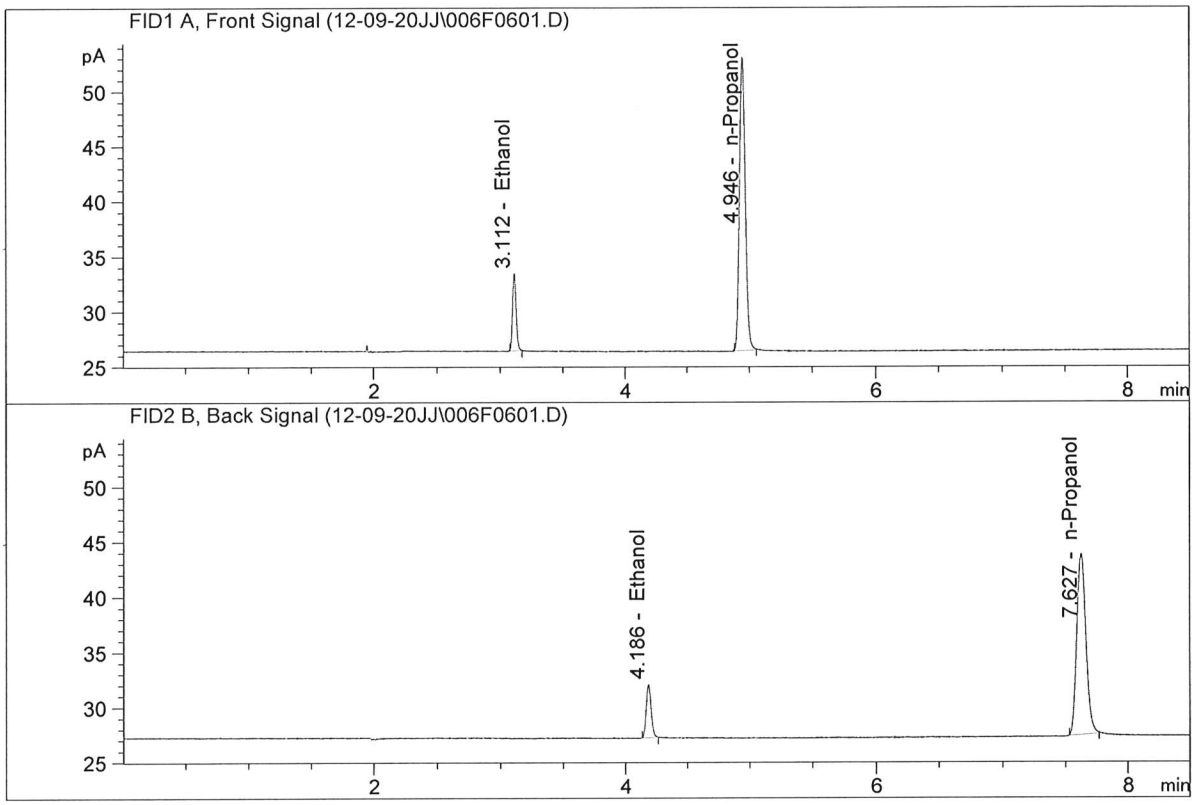
	Reported Result	
	0.080	

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 : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

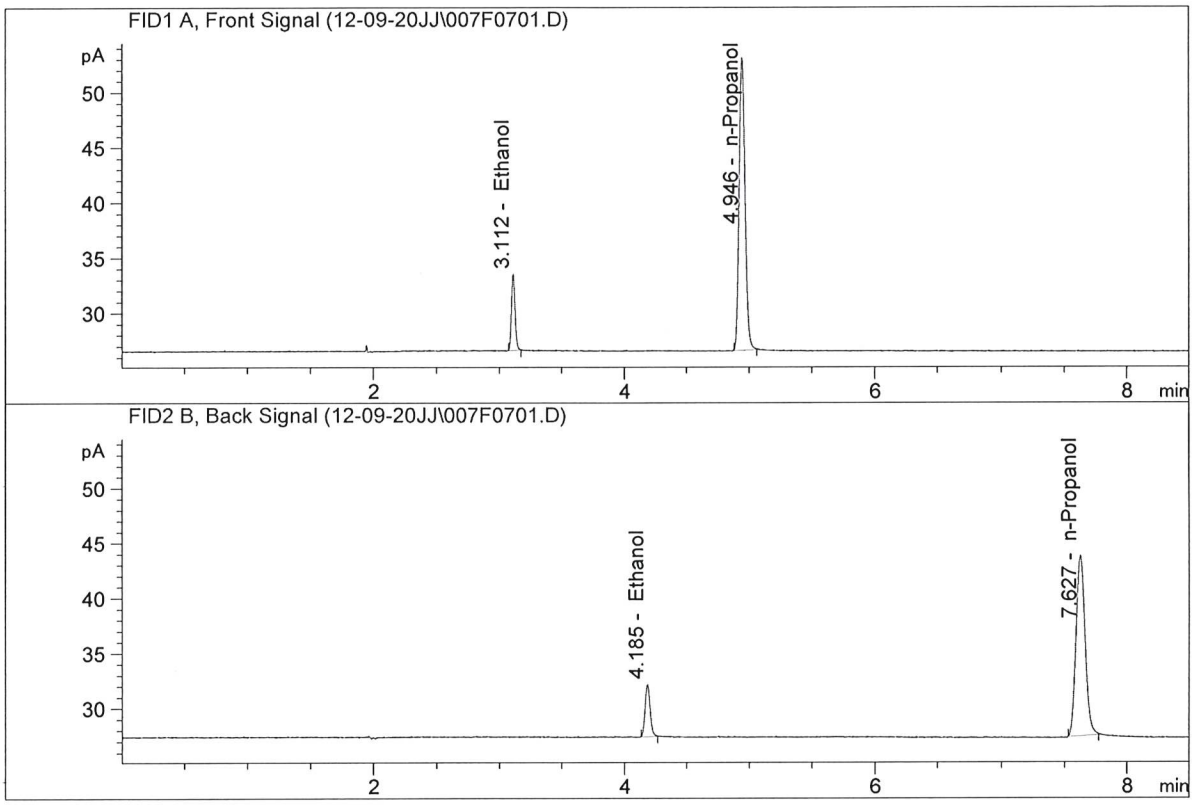


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.90076	0.0812	g/100cc
2.	Ethanol	Column 2:	13.48412	0.0804	g/100cc
3.	n-Propanol	Column 1:	87.48370	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.89126	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.61434	0.0800	g/100cc
2.	Ethanol	Column 2:	13.29282	0.0795	g/100cc
3.	n-Propanol	Column 1:	87.03080	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.66864	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2) **Analysis Date(s): 09 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1987	0.1990	0.0003	0.1988	0.0006	0.1991
(g/100cc)	0.1993	0.1996	0.0003	0.1994		

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
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

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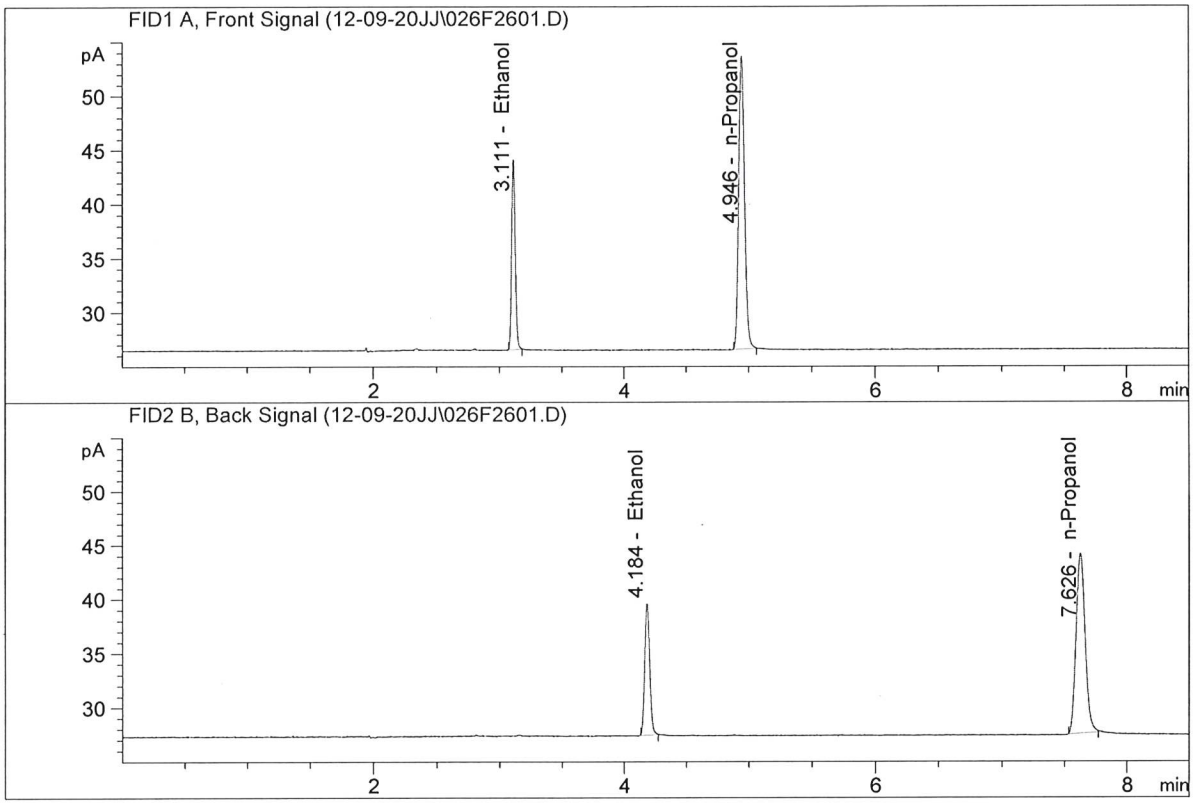
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

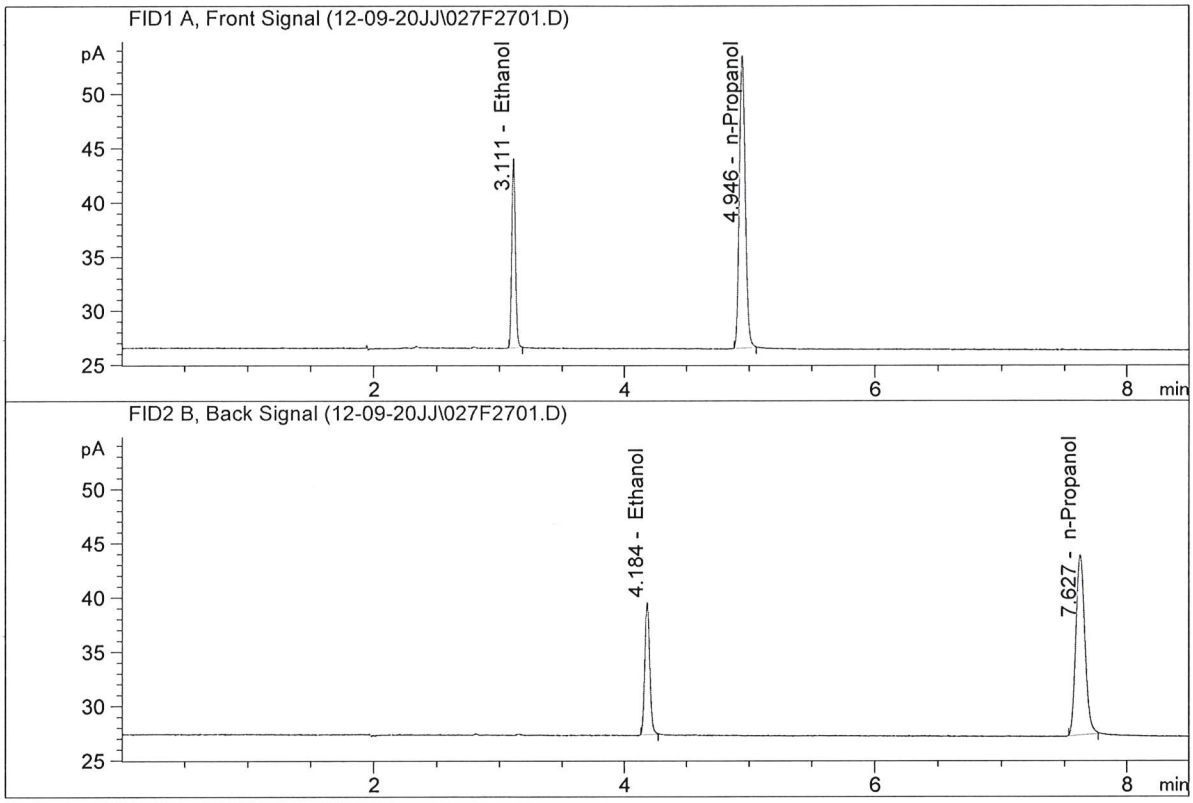


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.45678	0.1987	g/100cc
2.	Ethanol	Column 2:	33.78514	0.1990	g/100cc
3.	n-Propanol	Column 1:	88.68138	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.92918	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.44681	0.1993	g/100cc
2.	Ethanol	Column 2:	33.74575	0.1996	g/100cc
3.	n-Propanol	Column 1:	88.36593	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.59760	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 09 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0765	0.0753	0.0012	0.0759	0.0015	0.0751
(g/100cc)	0.0749	0.0739	0.0010	0.0744		

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
0.075	**0.071**	**0.079**	**0.004**

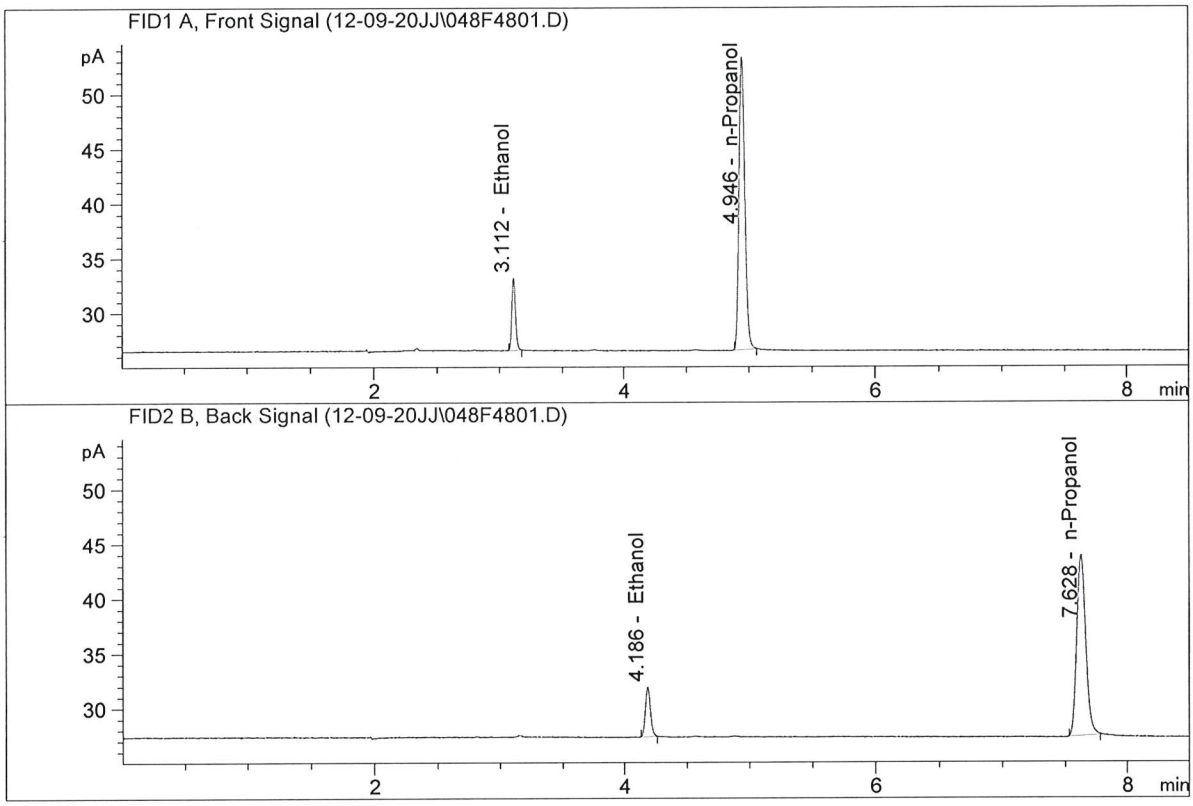
	Reported Result	
	0.075	

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 : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.08026	0.0765	g/100cc
2.	Ethanol	Column 2:	12.71211	0.0753	g/100cc
3.	n-Propanol	Column 1:	87.46082	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.43343	1.0000	g/100cc

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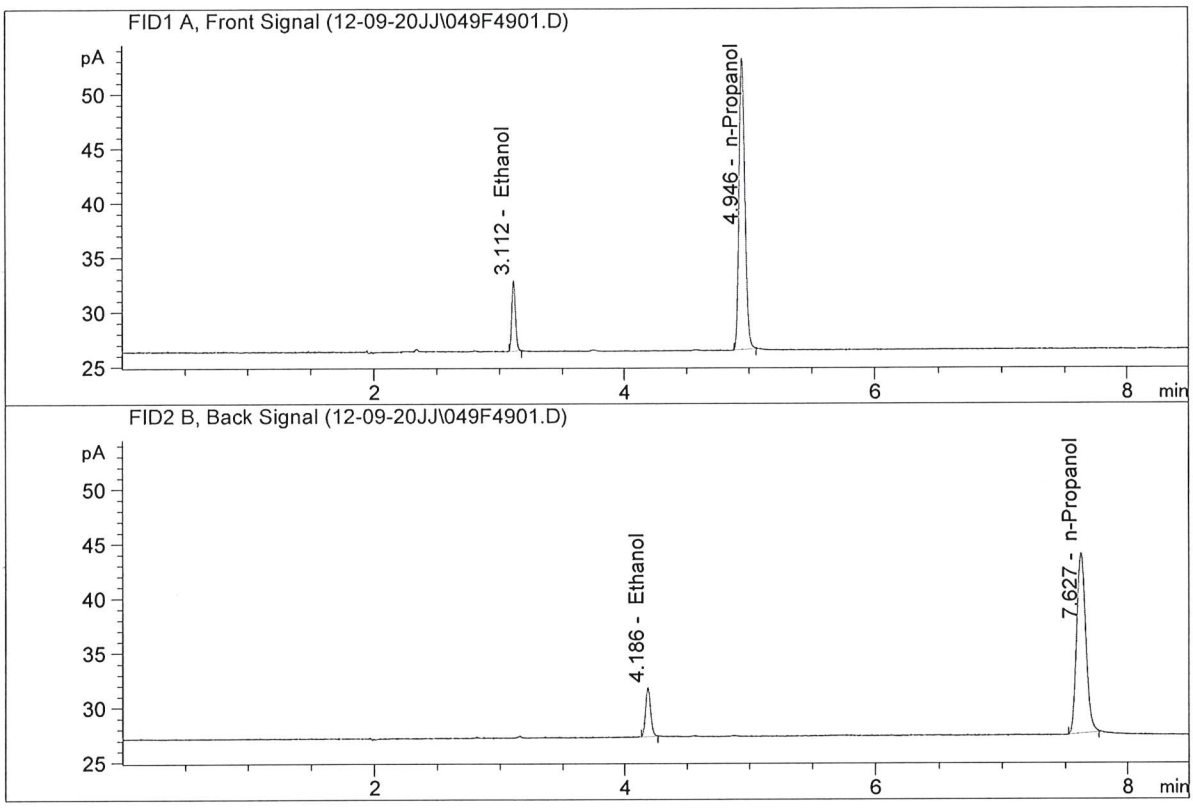
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

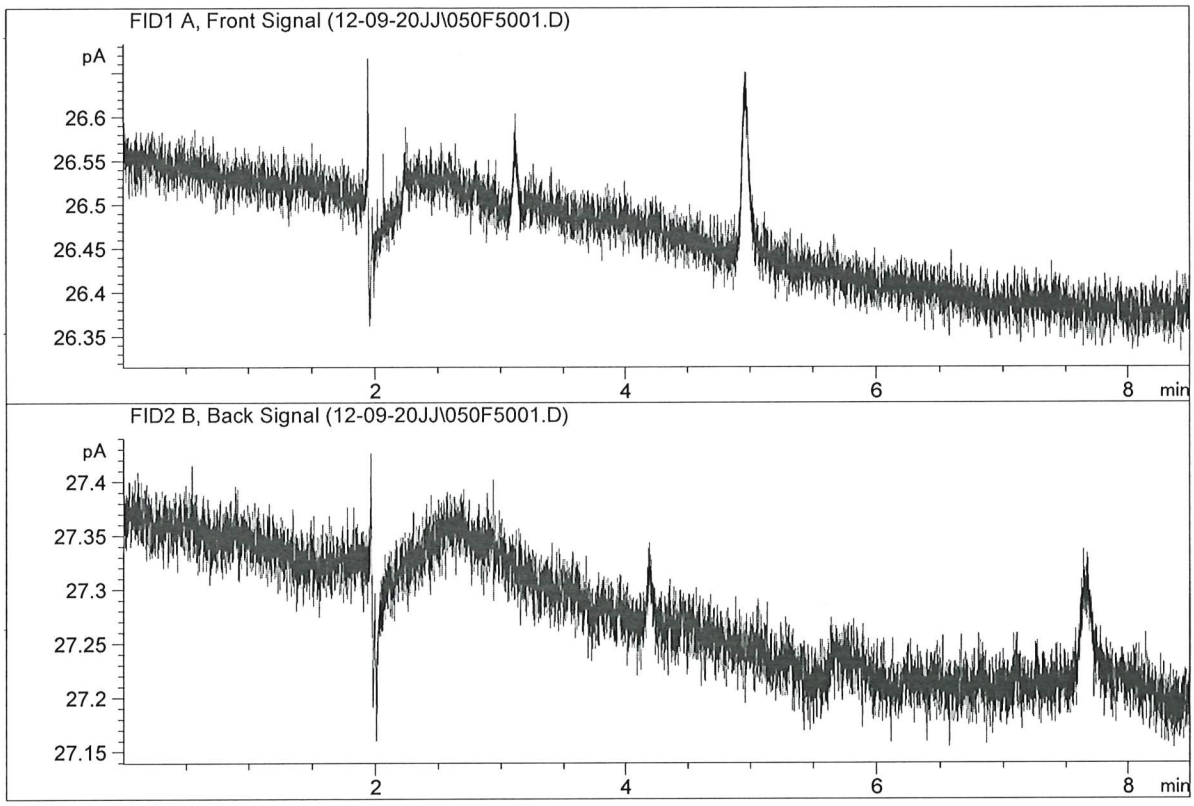


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.79697	0.0749	g/100cc
2.	Ethanol	Column 2:	12.46552	0.0739	g/100cc
3.	n-Propanol	Column 1:	87.41187	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.43149	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Dec 9, 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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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): 12-13-20**

(re-run samples that didn't run from 12-9) *worklist #4663*

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	0.1958 g/100cc
					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	0.0493	0.0478	0.0015	0.0485
100	0.100	0.090 - 0.110	0.0996	0.0970	0.0026	0.0983
200	0.200	0.180 - 0.220	0.2009	0.1977	0.0032	0.1993
300	0.300	0.270 - 0.330	0.3021	0.3004	0.0017	0.3012
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4985	0.5015	0.003	0.5

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 4:15 pm, Dec 16, 2020

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_13.12.2020_04.06.44\12-13-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_13.12.2020_04.06.44\12-13-2020.S
Data directory path: C:\Chem32\1\Data\12-13-20JJ
Logbook: C:\Chem32\1\Data\12-13-20JJ\12-13-2020.LOG
Sequence start: 12/13/2020 4:20:52 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	P2020-3504-1-A	-	1.0000	008F0801.D	6
9	9	1	P2020-3504-1-B	-	1.0000	009F0901.D	6
10	10	1	P2020-3515-1-A	-	1.0000	010F1001.D	5
11	11	1	P2020-3515-1-B	-	1.0000	011F1101.D	4
12	12	1	P2020-3516-1-A	-	1.0000	012F1201.D	6
13	13	1	P2020-3516-1-B	-	1.0000	013F1301.D	4
14	14	1	P2020-3569-1-A	-	1.0000	014F1401.D	6
15	15	1	P2020-3569-1-B	-	1.0000	015F1501.D	6
16	16	1	QC-1(1)-A	-	1.0000	016F1601.D	4
17	17	1	QC-1(1)-B	-	1.0000	017F1701.D	4
18	18	1	water-2	-	1.0000	018F1801.D	0

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Calibration Table

General Calibration Setting

Calib. Data Modified : 12/13/2020 4:05:18 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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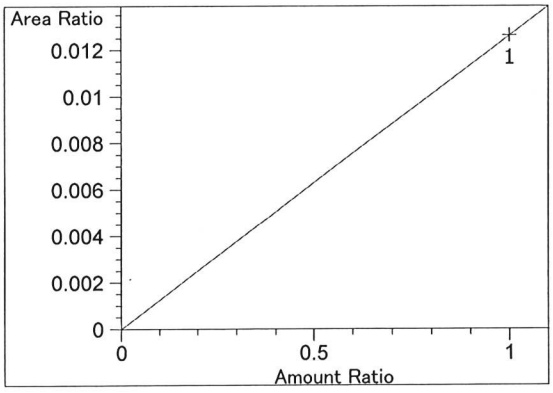
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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	8.71689	5.73599e-3	No	No	1	Ethanol
		2	1.00000e-1	17.61503	5.67697e-3				
		3	2.00000e-1	35.50772	5.63258e-3				
		4	3.00000e-1	53.77494	5.57881e-3				
		5	5.00000e-1	88.62260	5.64190e-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
4.183	2	1	5.00000e-2	8.26472	6.04981e-3	No	No	2	Ethanol
		2	1.00000e-1	16.65364	6.00469e-3				
		3	2.00000e-1	33.80447	5.91638e-3				
		4	3.00000e-1	51.64040	5.80941e-3				
		5	5.00000e-1	85.71507	5.83328e-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	90.19243	1.10874e-2	No	Yes	1	n-Propanol
		2	1.00000	90.22106	1.10839e-2				
		3	1.00000	90.13692	1.10942e-2				
		4	1.00000	90.78142	1.10155e-2				
		5	1.00000	90.67334	1.10286e-2				
7.626	2	1	1.00000	84.58081	1.18230e-2	No	Yes	2	n-Propanol
		2	1.00000	84.02504	1.19012e-2				
		3	1.00000	83.73456	1.19425e-2				
		4	1.00000	84.15623	1.18827e-2				
		5	1.00000	83.68799	1.19491e-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: 1.26263e-2
x: Amount Ratio
y: Area Ratio

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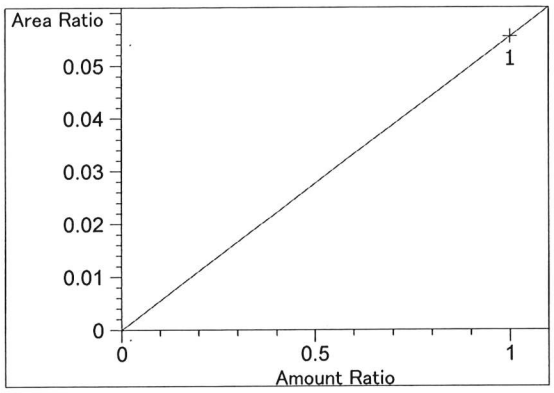
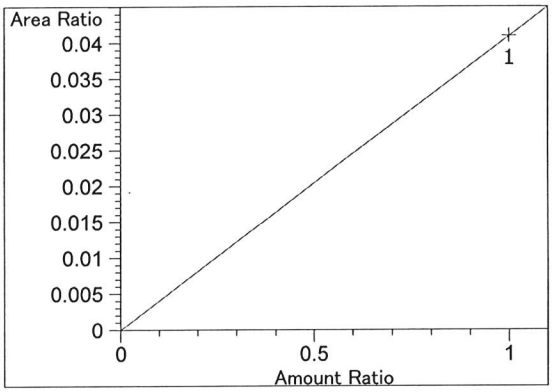
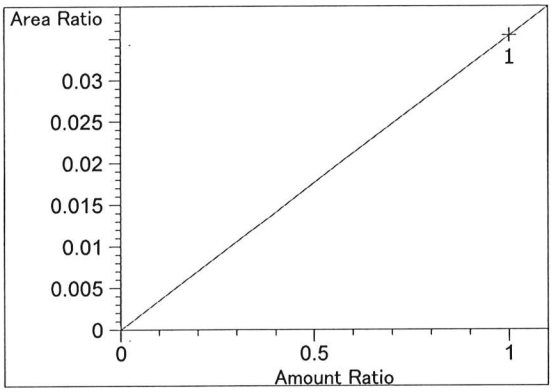


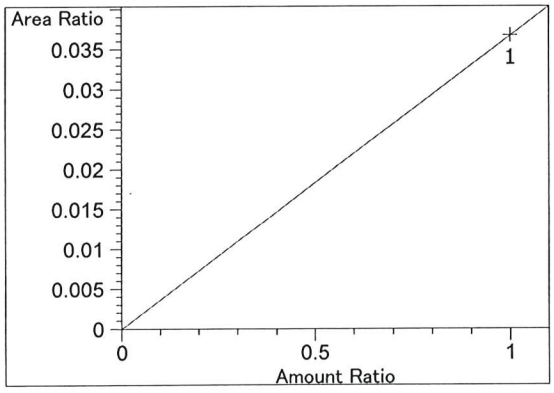
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.54370e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.09868e-2
x: Amount Ratio
y: Area Ratio

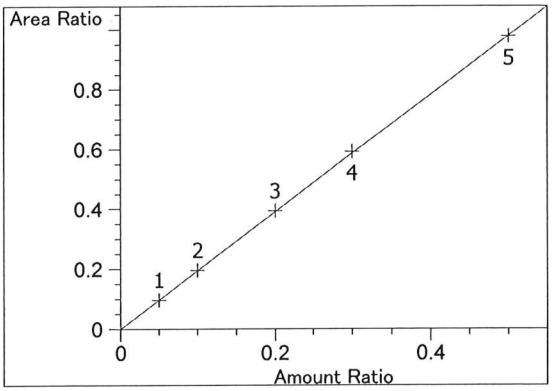


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.54033e-2
x: Amount Ratio
y: Area Ratio

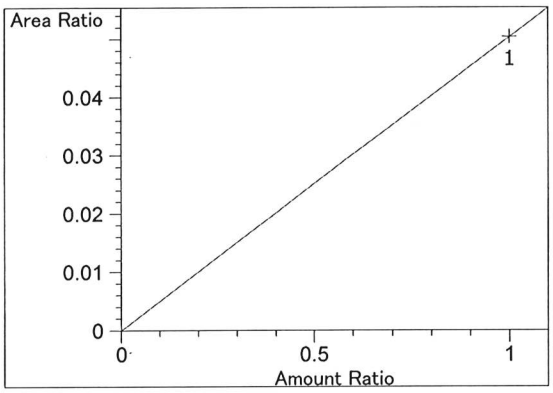


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.67193e-2
x: Amount Ratio
y: Area Ratio

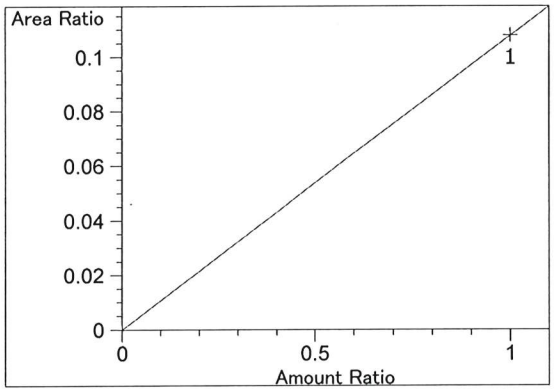
99



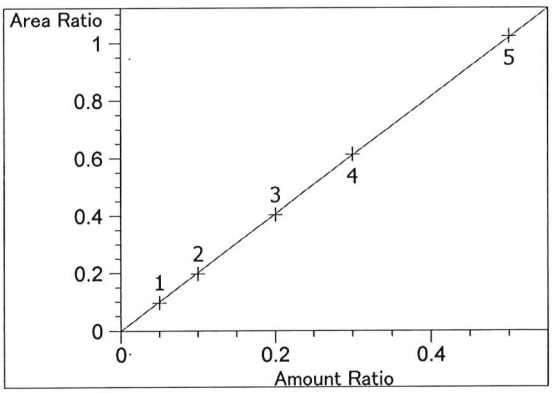
Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00282
Formula: y = mx
m: 1.96061
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.03734e-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: 1.07887e-1
x: Amount Ratio
y: Area Ratio



Ethanol at exp. RT: 4.183
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00471
Formula: y = mx
m: 2.04241
x: Amount Ratio
y: Area Ratio

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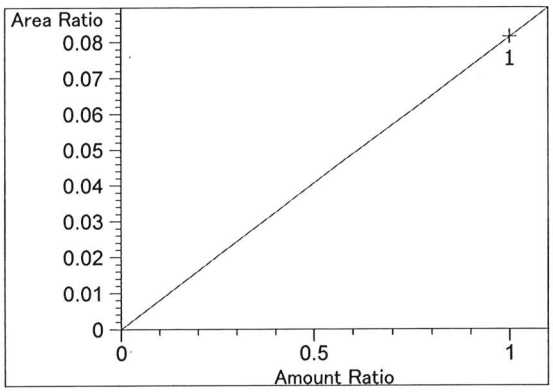
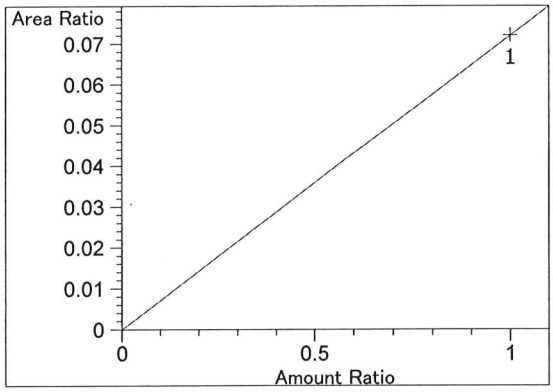
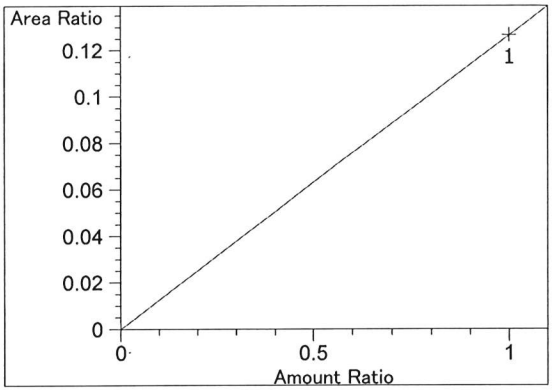


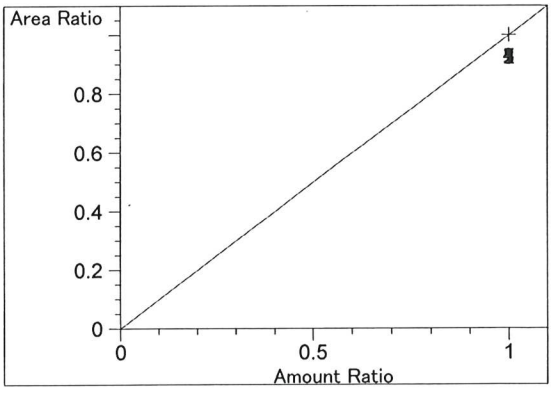
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.14961e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.20615e-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: 1.26582e-1
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
m: 1.00000
x: Amount Ratio
y: Area Ratio

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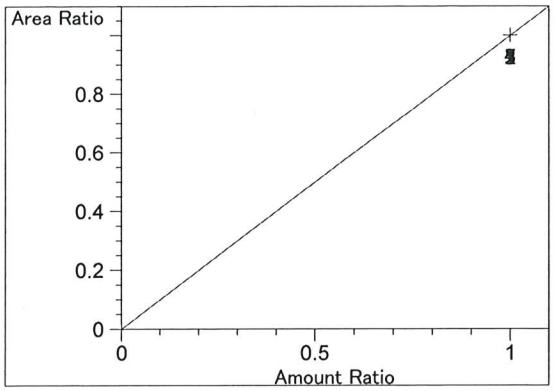
Method C:\CHEM32\1\METHODS\ALCOHOL.M



n-Propanol at exp. RT: 7.626
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_13.12.2020_02.30.58\12-13-2020cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_13.12.2020_02.30.58\12-13-2020cal.S
Data directory path: C:\Chem32\1\Data\12-13-2020CAL
Logbook: C:\Chem32\1\Data\12-13-2020CAL\12-13-2020cal.LOG
Sequence start: 12/13/2020 2:44:41 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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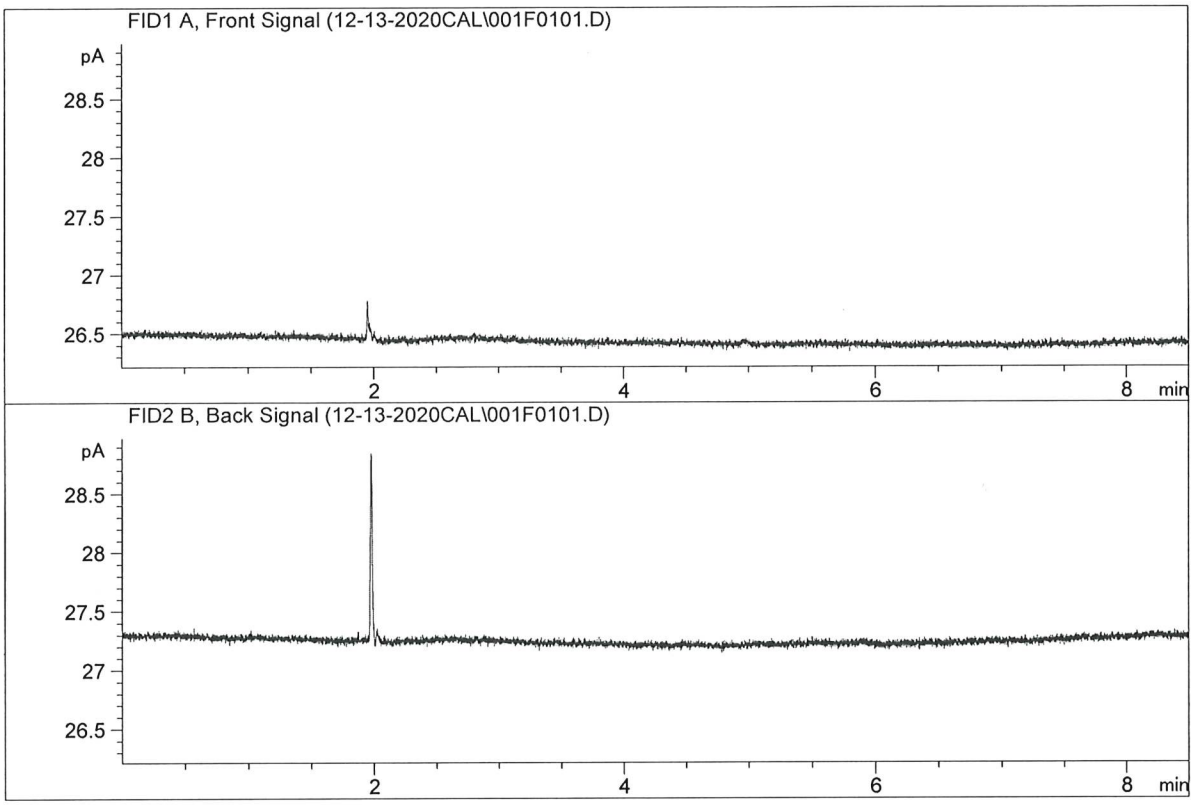
ISP Forensic Services Blood Alcohol Report

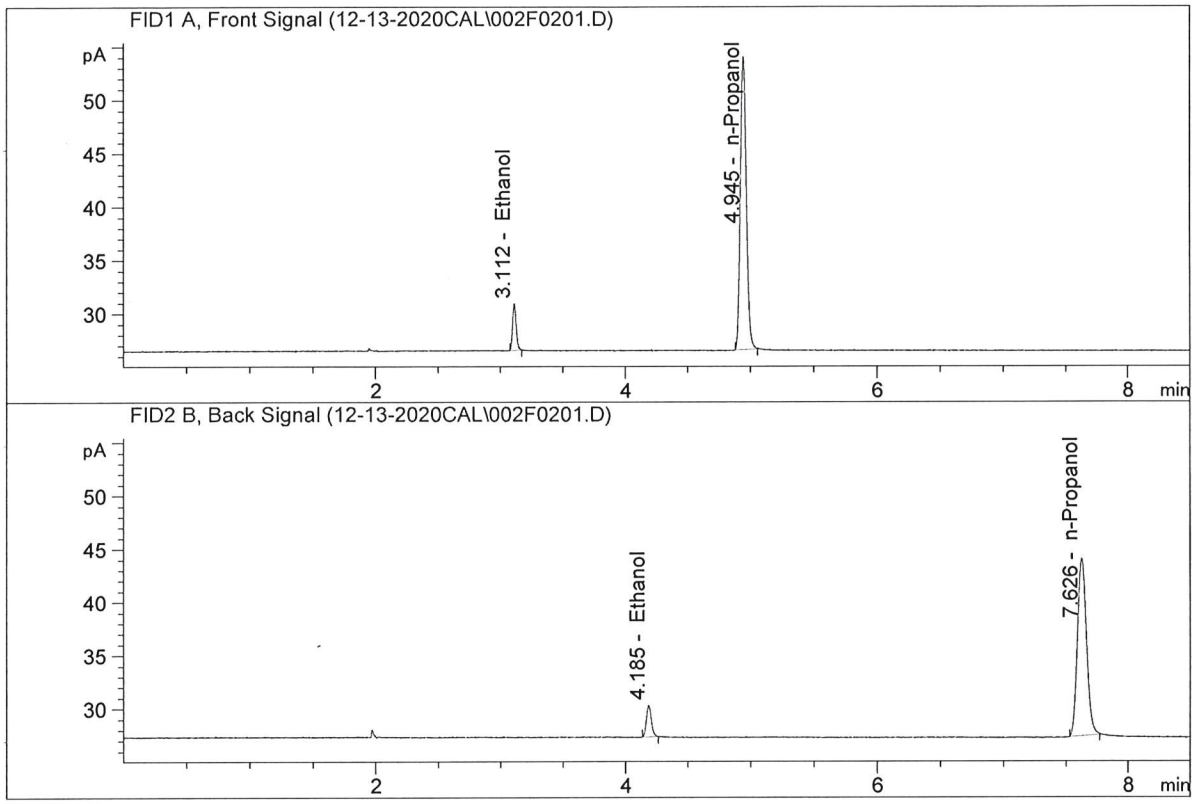
Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.71689	0.0493	g/100cc
2.	Ethanol	Column 2:	8.26472	0.0478	g/100cc
3.	n-Propanol	Column 1:	90.19243	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.58081	1.0000	g/100cc

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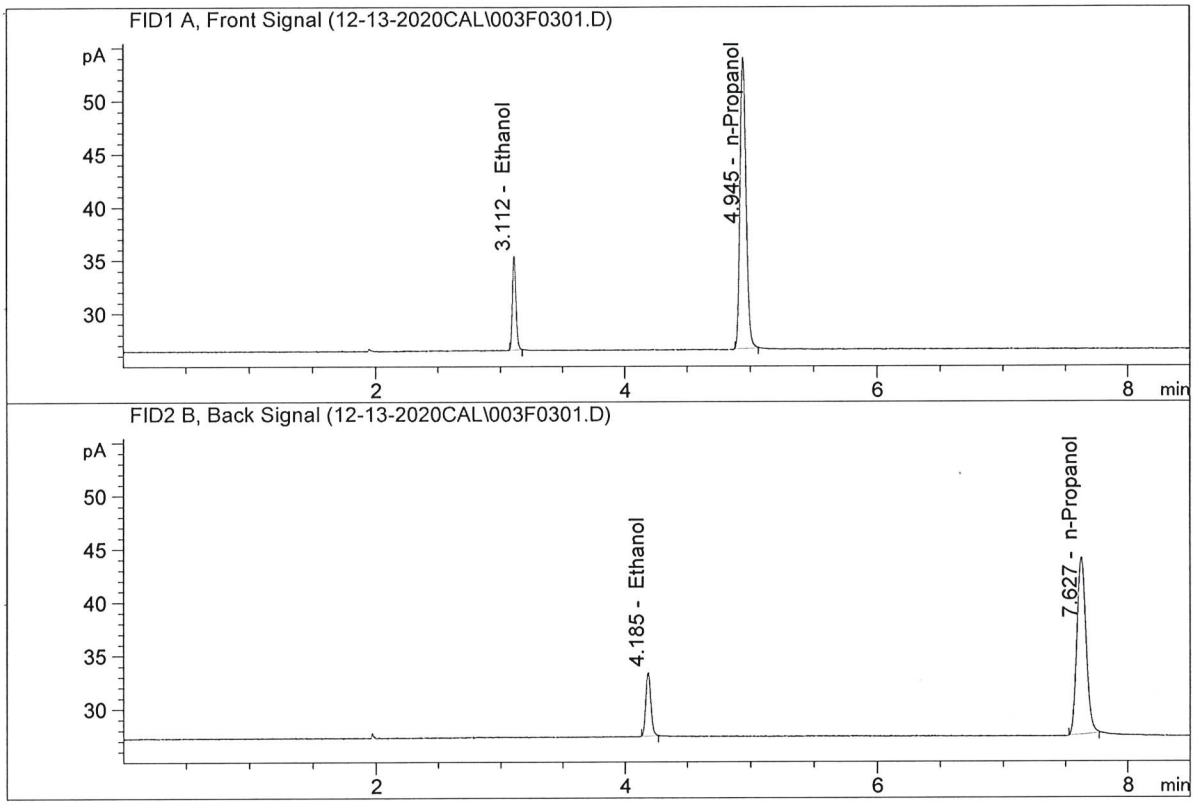
ISP Forensic Services Blood Alcohol Report

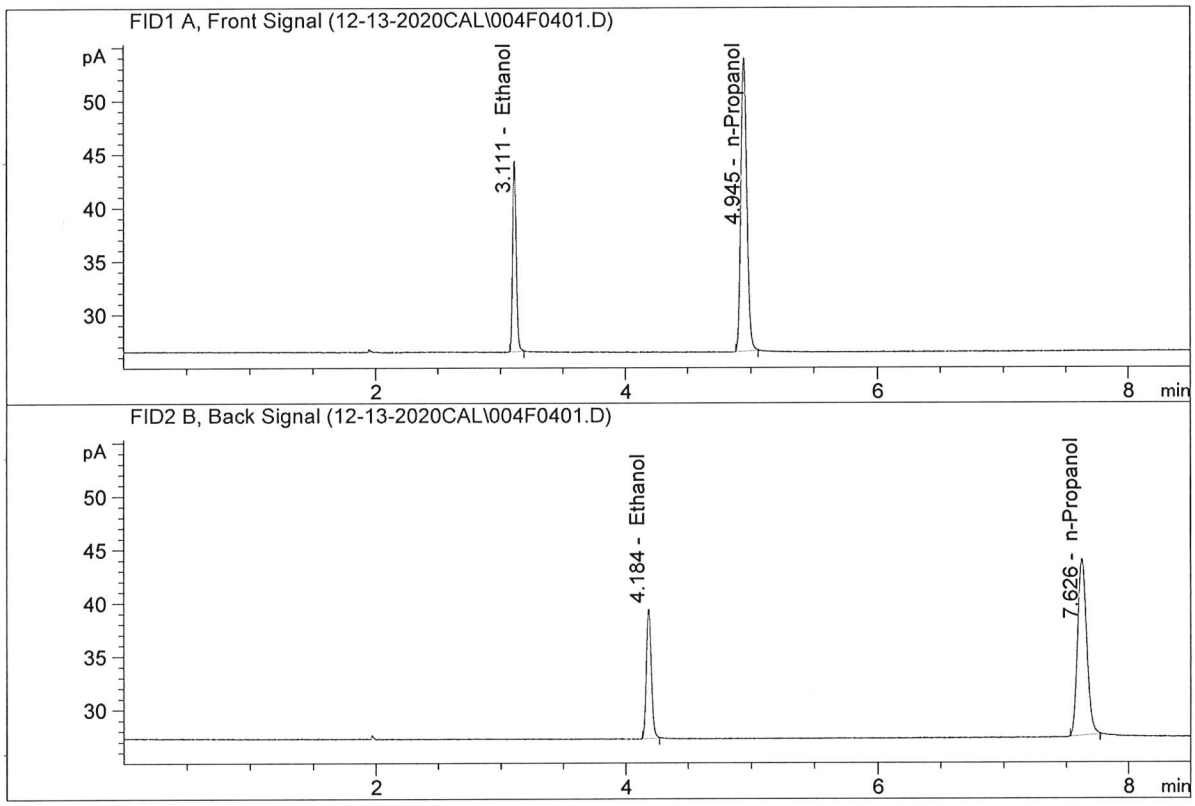
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.61503	0.0996	g/100cc
2.	Ethanol	Column 2:	16.65364	0.0970	g/100cc
3.	n-Propanol	Column 1:	90.22106	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.02504	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.50772	0.2009	g/100cc
2.	Ethanol	Column 2:	33.80447	0.1977	g/100cc
3.	n-Propanol	Column 1:	90.13692	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.73456	1.0000	g/100cc

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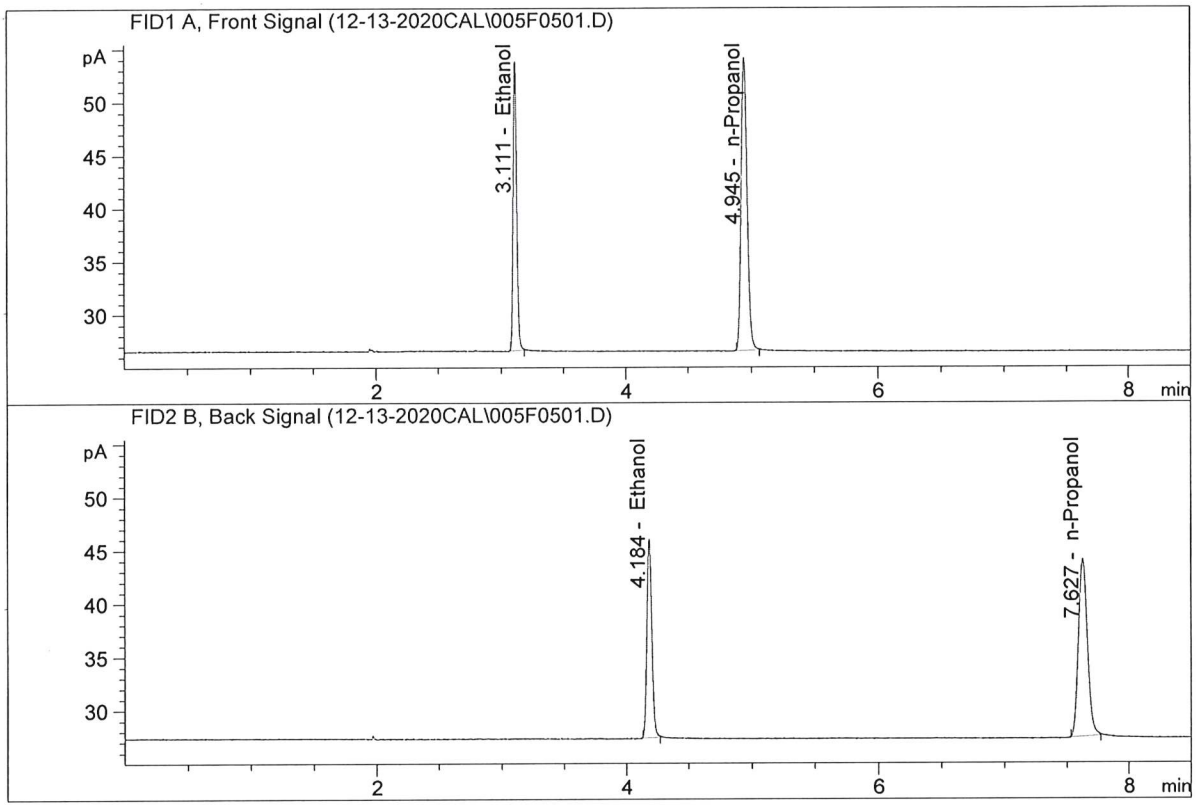
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.77494	0.3021	g/100cc
2.	Ethanol	Column 2:	51.64040	0.3004	g/100cc
3.	n-Propanol	Column 1:	90.78142	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.15623	1.0000	g/100cc

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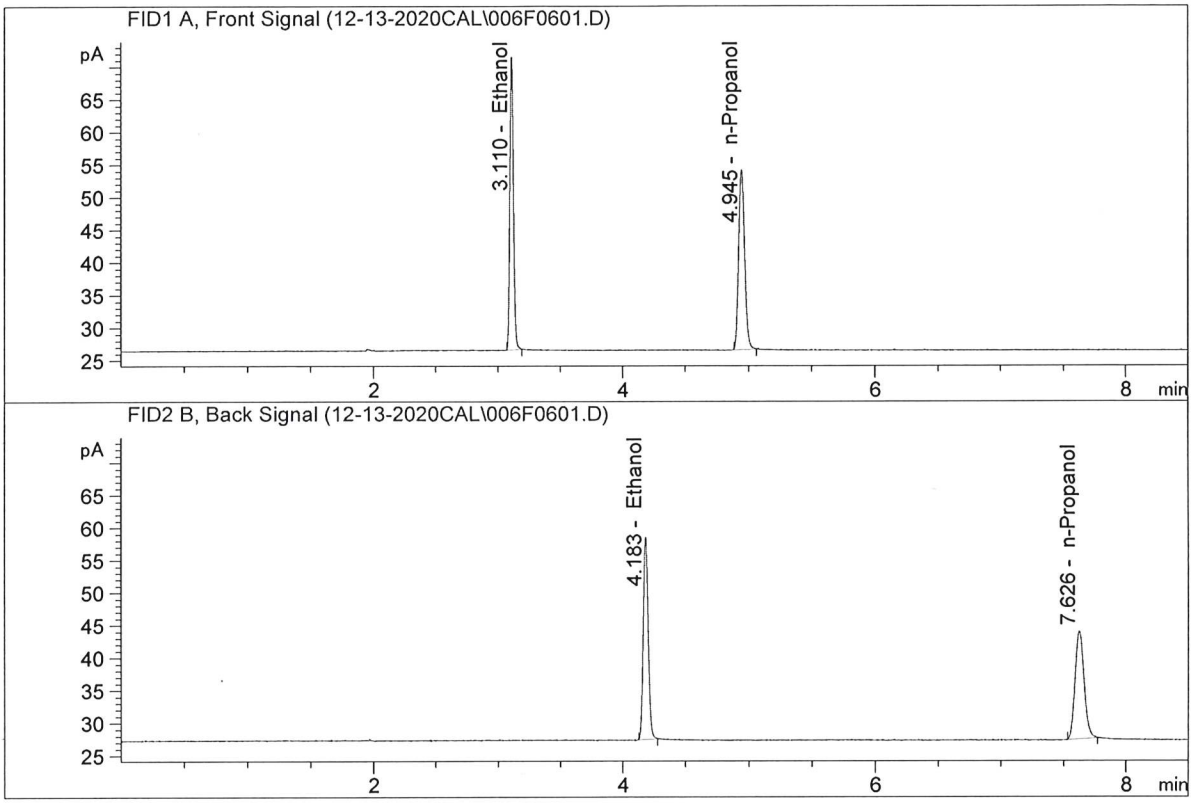
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	88.62260	0.4985	g/100cc
2.	Ethanol	Column 2:	85.71507	0.5015	g/100cc
3.	n-Propanol	Column 1:	90.67334	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.68799	1.0000	g/100cc

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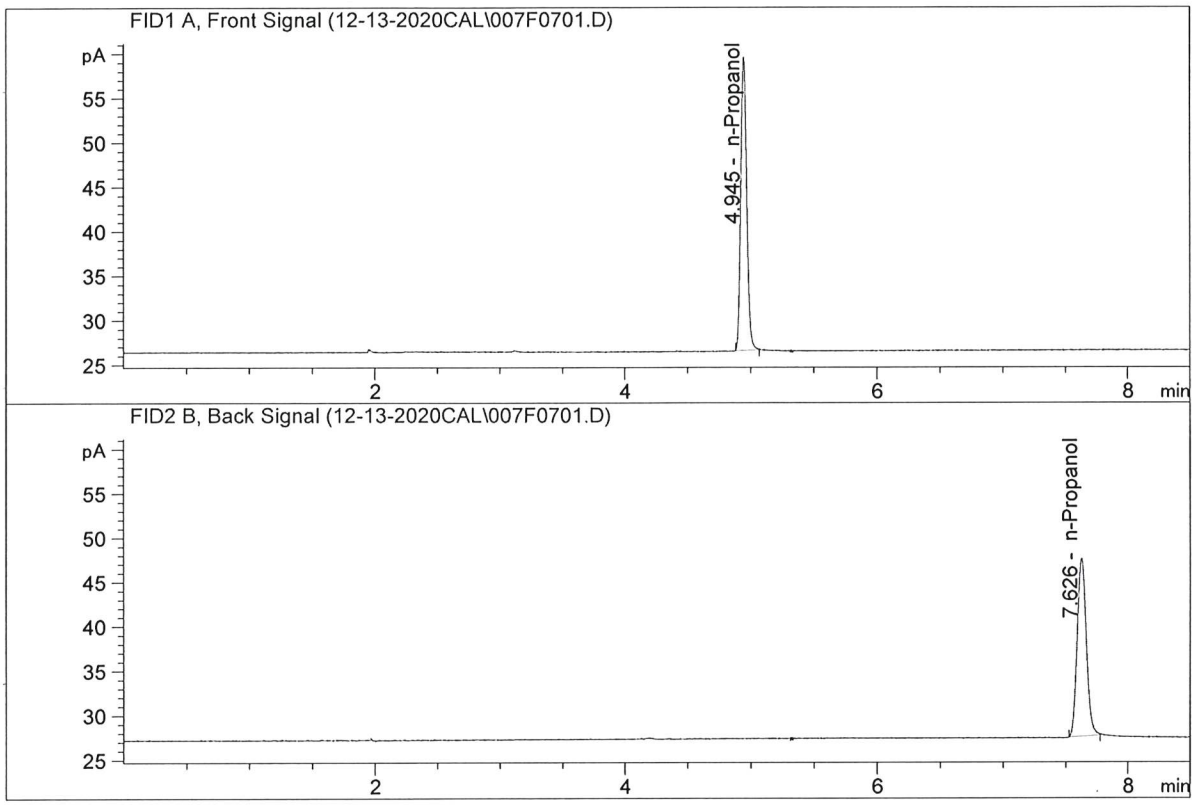
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 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:	108.30807	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.46177	1.0000	g/100cc

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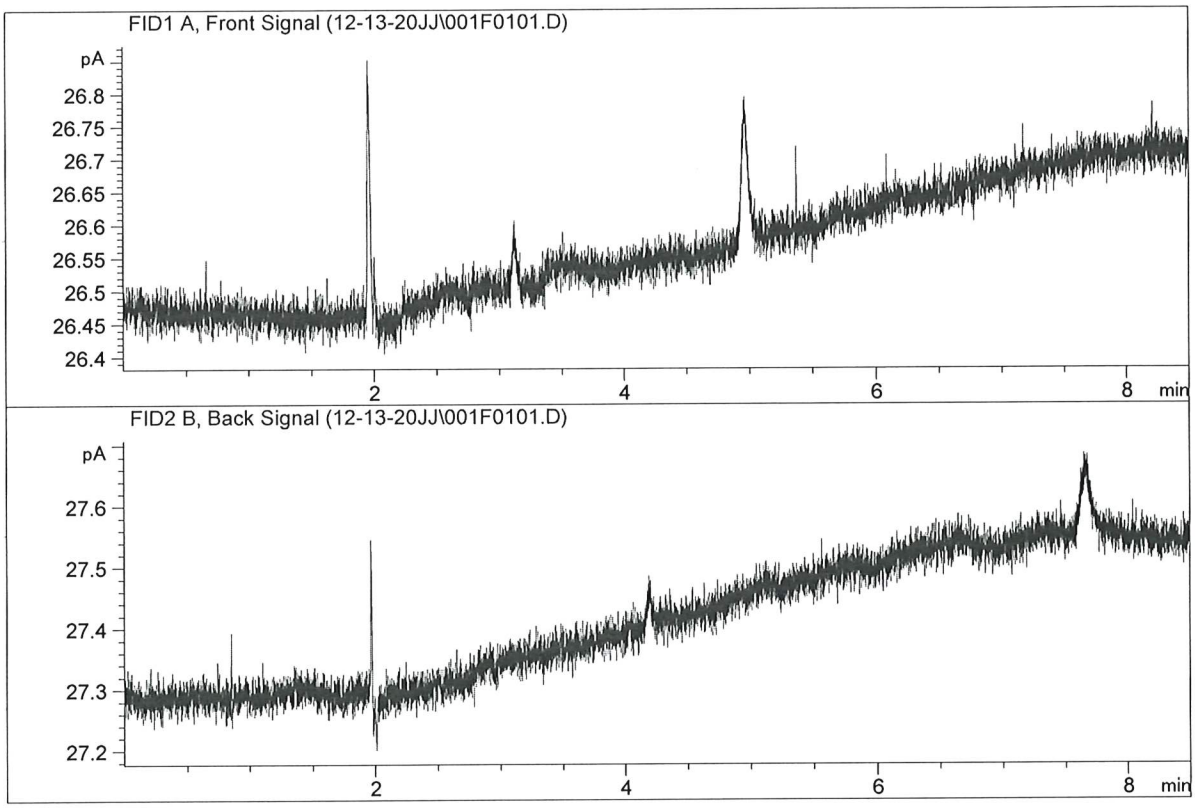
ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 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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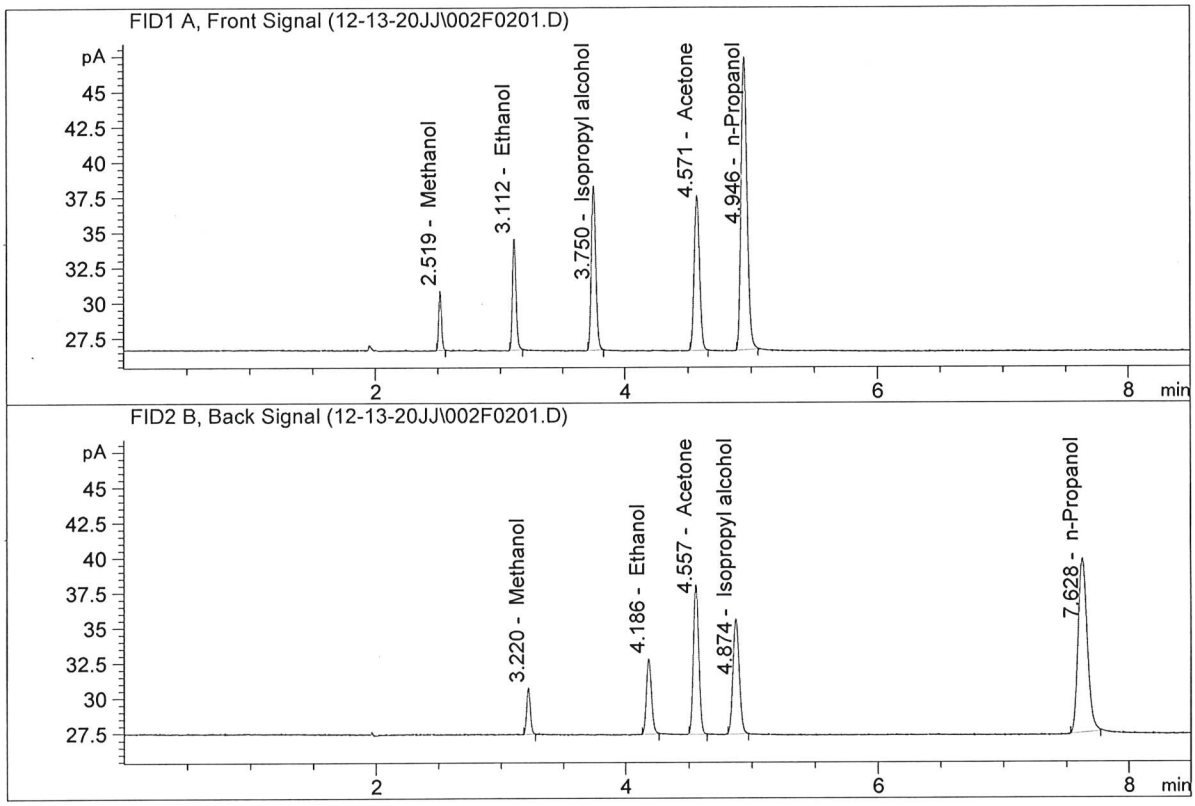
ISP Forensic Services Blood Alcohol Report

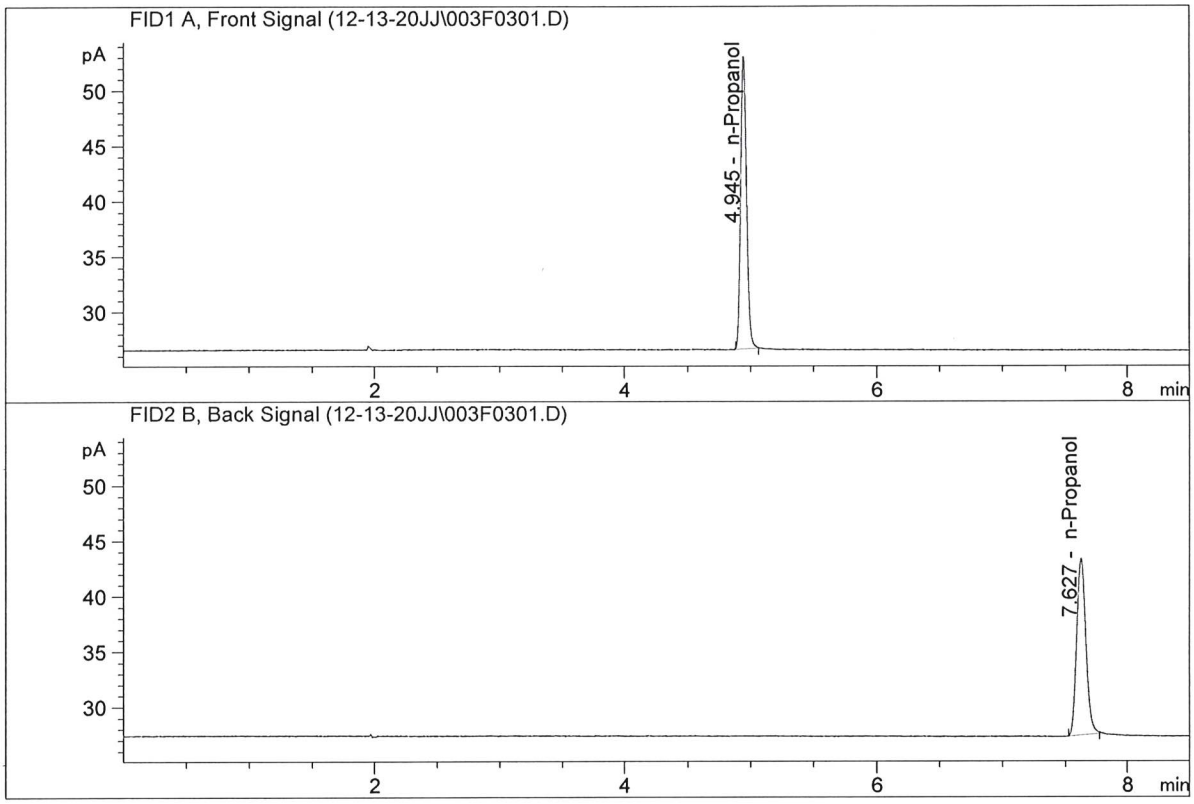
Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.79895	0.1177	g/100cc
2.	Ethanol	Column 2:	15.02053	0.1166	g/100cc
3.	n-Propanol	Column 1:	68.44722	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.09420	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 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:	86.92095	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.99459	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 13 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.1972	0.1950	0.0022	0.1961	0.0005	0.1958
	0.1963	0.1950	0.0013	0.1956		

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
0.195	**0.185**	**0.205**	**0.010**

Reported Result

0.195

Calibration and control data are stored centrally.

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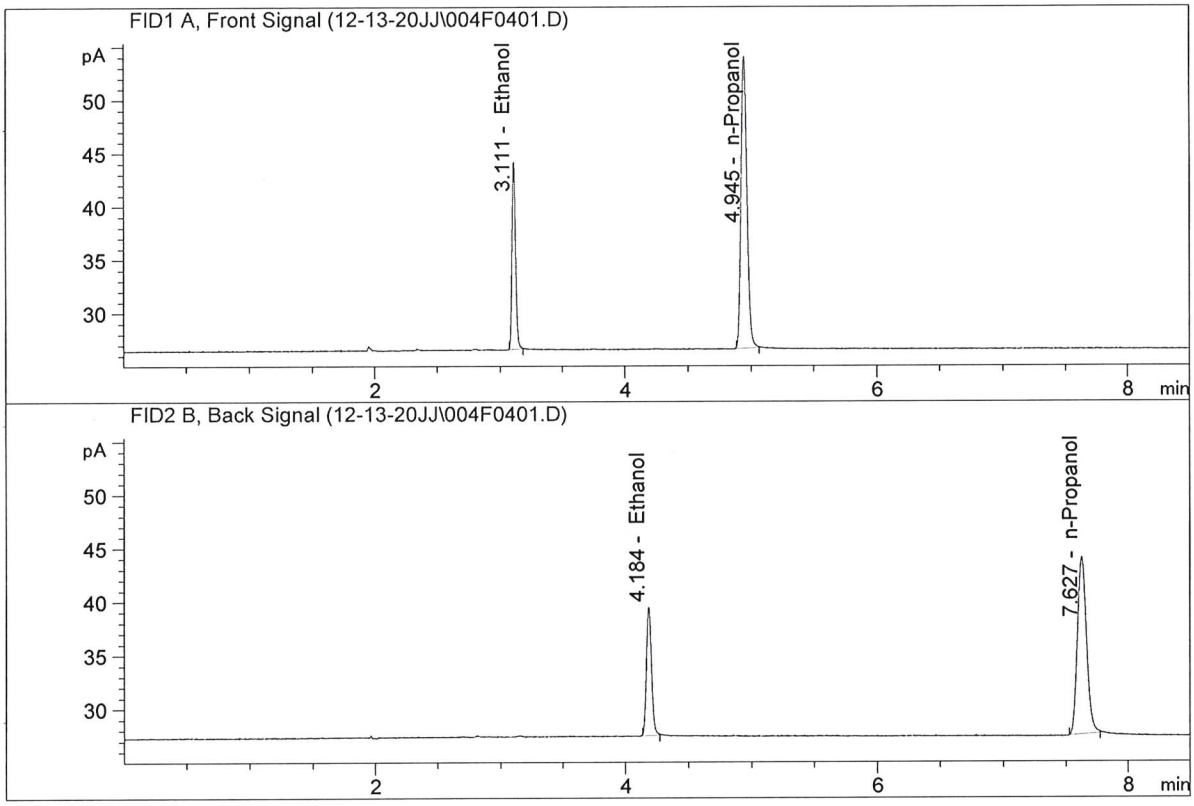
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.87734	0.1972	g/100cc
2.	Ethanol	Column 2:	33.32480	0.1950	g/100cc
3.	n-Propanol	Column 1:	90.21561	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.68767	1.0000	g/100cc

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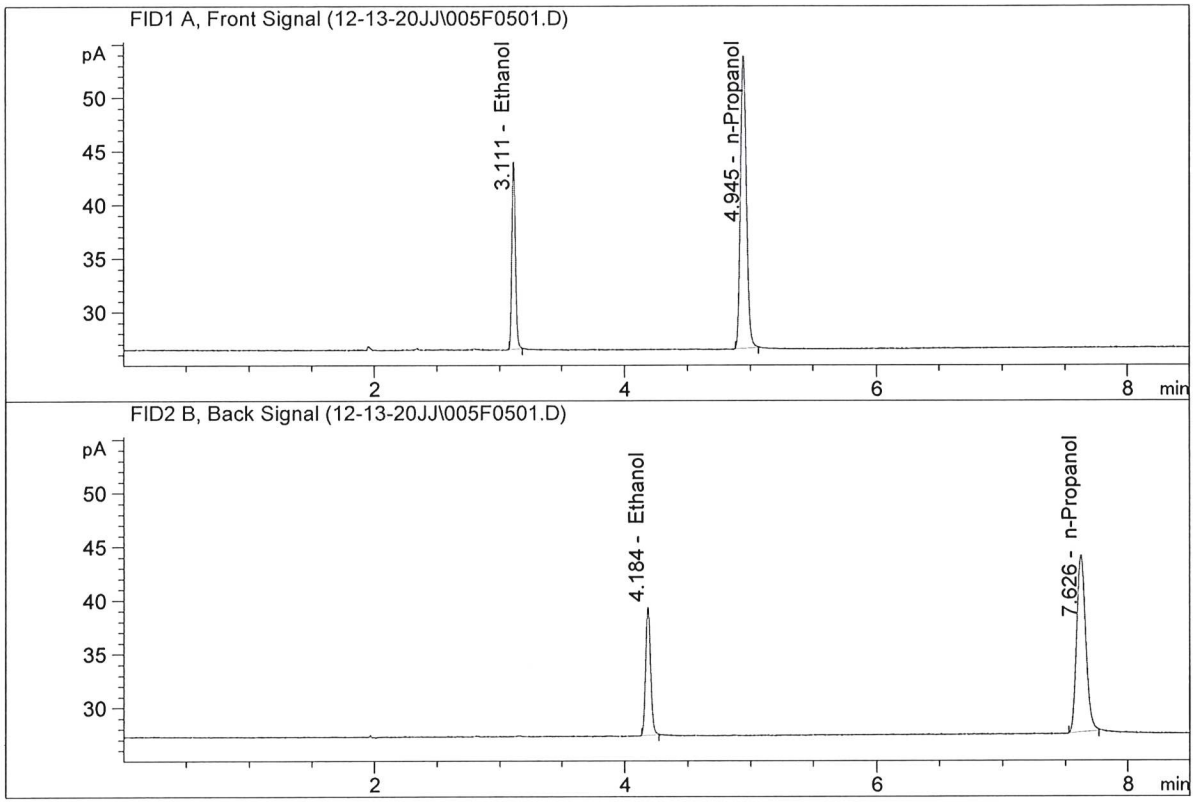
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.65456	0.1963	g/100cc
2.	Ethanol	Column 2:	33.16079	0.1950	g/100cc
3.	n-Propanol	Column 1:	90.03068	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.26466	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 13 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0798	0.0011	0.0803	0.0003	0.0801
(g/100cc)	0.0812	0.0788	0.0024	0.0800		

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**

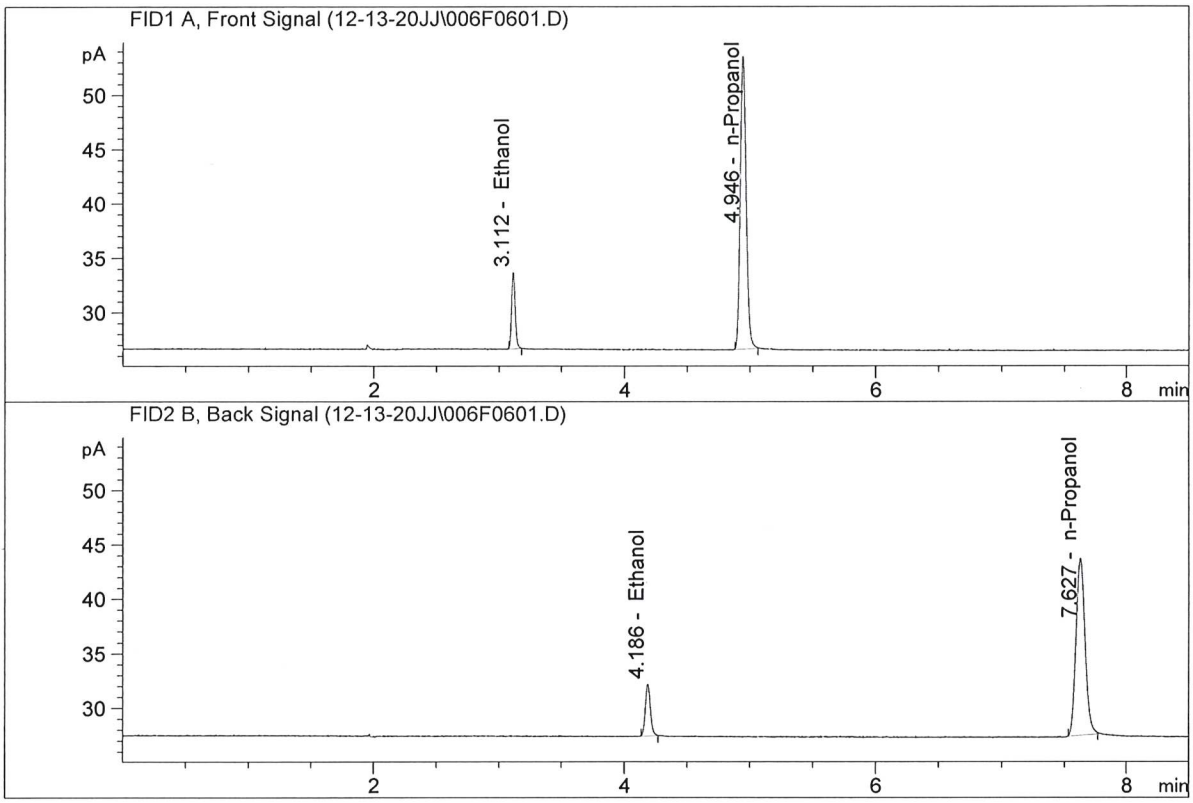
	Reported Result	
	0.080	

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 : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

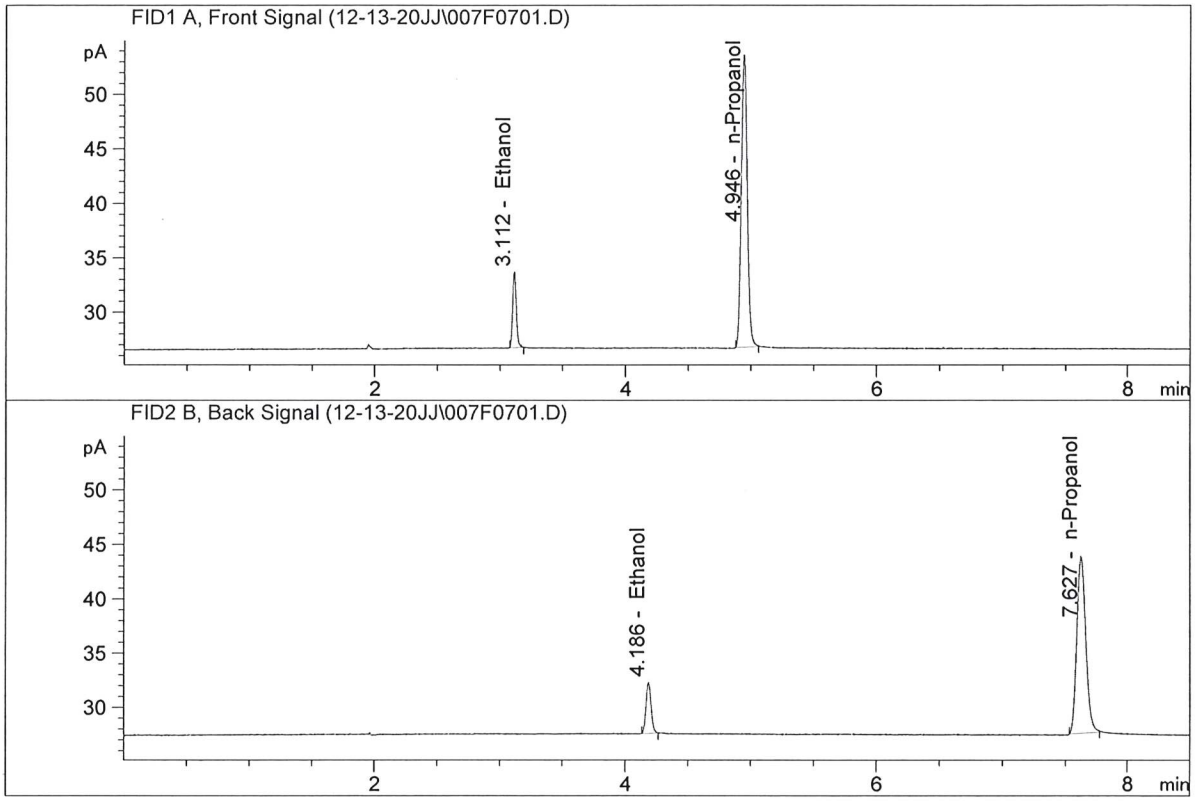


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.05538	0.0809	g/100cc
2.	Ethanol	Column 2:	13.38144	0.0798	g/100cc
3.	n-Propanol	Column 1:	88.60193	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.06105	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.06598	0.0812	g/100cc
2.	Ethanol	Column 2:	13.23761	0.0788	g/100cc
3.	n-Propanol	Column 1:	88.40226	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.22557	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 13 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0783	0.0776	0.0007	0.0779	0.0013	0.0773
(g/100cc)	0.0773	0.0760	0.0013	0.0766		

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%**

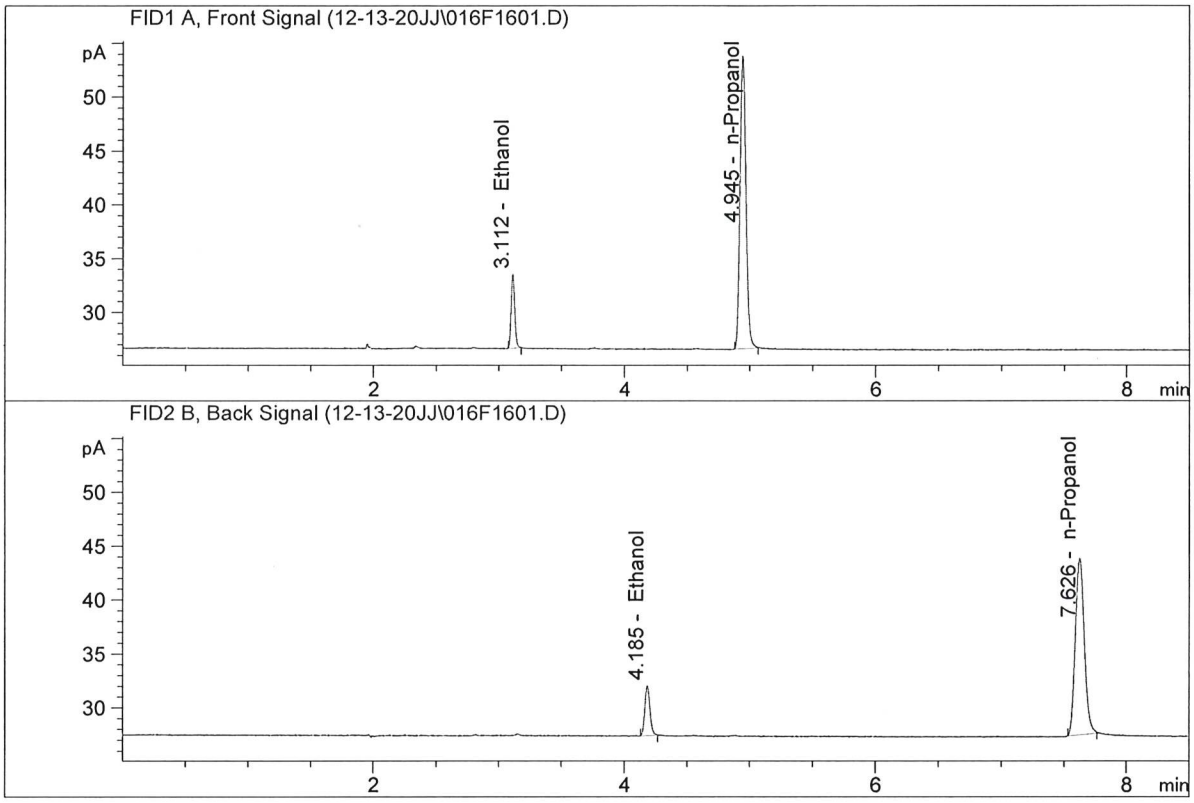
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

Reported Result
0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.77975	0.0783	g/100cc
2.	Ethanol	Column 2:	13.09313	0.0776	g/100cc
3.	n-Propanol	Column 1:	89.70581	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.55859	1.0000	g/100cc

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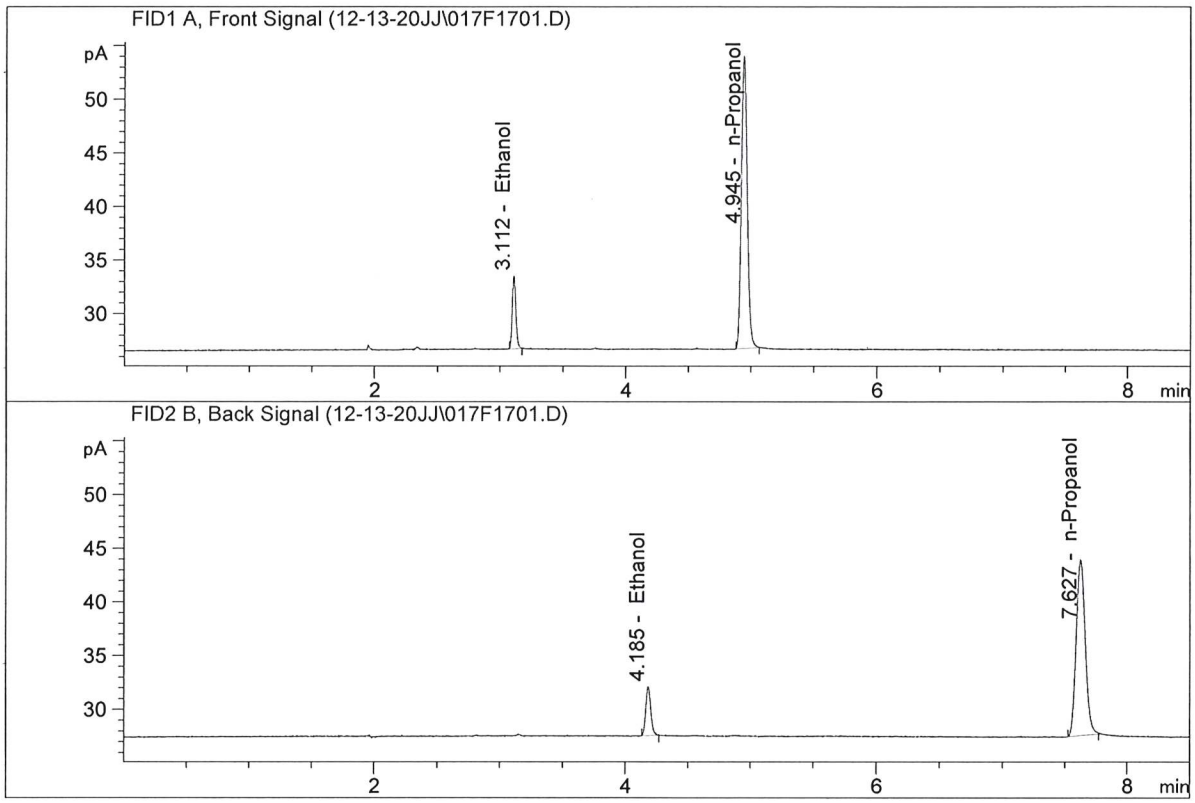
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.56757	0.0773	g/100cc
2.	Ethanol	Column 2:	12.87563	0.0760	g/100cc
3.	n-Propanol	Column 1:	89.57221	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.96735	1.0000	g/100cc

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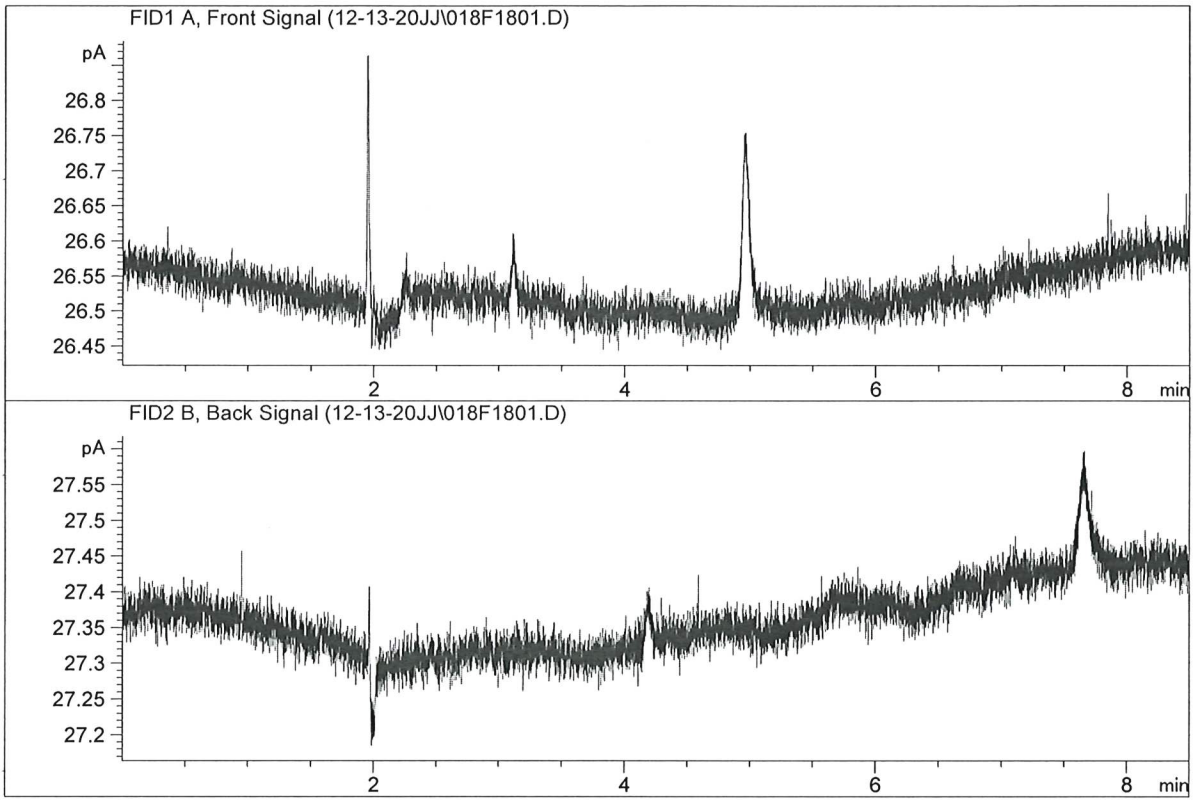
ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Dec 13, 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