REVIEWED

By Melissa (Nikka) Bradley at 1:56 pm, Apr 28, 2020

NB

4/24/2020

Worklist: 4194

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-0607	1	BCK	Alcohol Analysis
C2020-0608	1	BCK	Alcohol Analysis
C2020-0612	1	BCK	Alcohol Analysis
C2020-0637	1	BCK	Alcohol Analysis
C2020-0665	1	BCK	Alcohol Analysis
C2020-0669	1	BCK	Alcohol Analysis
C2020-0690	1	BCK	Alcohol Analysis
C2020-0697	1	BCK	Alcohol Analysis
C2020-0709	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): 4-26-20**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0755 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1946 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	0.99998	**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	0.0490	0.0488	0.0002	0.0489
100	0.100	0.090 - 0.110	0.0982	0.0979	0.0003	0.098
200	0.200	0.180 - 0.220	0.1966	0.1961	0.0005	0.1963
300	0.300	0.270 - 0.330	0.3014	0.3016	0.0002	0.3015
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5010	0.5011	1E-04	0.501

Aqueous Controls

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

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_26.04.2020_02.46.14\4-26-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_26.04.2020_02.46.14\4-26-2020.S
Data directory path: C:\Chem32\1\Data\4-26-20jj
Logbook: C:\Chem32\1\Data\4-26-20jj\4-26-2020.LOG
Sequence start: 4/26/2020 3:00:00 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 FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-1(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-1(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	C2020-0607-1-A	-	1.0000	008F0801.D		4
9	9	1	C2020-0607-1-B	-	1.0000	009F0901.D		4
10	10	1	C2020-0608-1-A	-	1.0000	010F1001.D		2
11	11	1	C2020-0608-1-B	-	1.0000	011F1101.D		2
12	12	1	C2020-0612-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-0612-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-0637-1-A	-	1.0000	014F1401.D		2
15	15	1	C2020-0637-1-B	-	1.0000	015F1501.D		2
16	16	1	C2020-0665-1-A	-	1.0000	016F1601.D		4
17	17	1	C2020-0665-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-0669-1-A	-	1.0000	018F1801.D		4
19	19	1	C2020-0669-1-B	-	1.0000	019F1901.D		4
20	20	1	C2020-0690-1-A	-	1.0000	020F2001.D		2
21	21	1	C2020-0690-1-B	-	1.0000	021F2101.D		2
22	22	1	C2020-0697-1-A	-	1.0000	022F2201.D		4
23	23	1	C2020-0697-1-B	-	1.0000	023F2301.D		4
24	24	1	C2020-0709-1-A	-	1.0000	024F2401.D		4
25	25	1	C2020-0709-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-2(1)-B	-	1.0000	027F2701.D		4
28	28	1	ISTD BLANK-2	-	1.0000	028F2801.D		2
29	29	1	water-2	-	1.0000	029F2901.D		0
30	30	1	0.05 CHECK	-	1.0000	030F3001.D		4
31	31	1	0.100 CHECK	-	1.0000	031F3101.D		4
32	32	1	0.200 CHECK	-	1.0000	032F3201.D		4
33	33	1	0.300 CHECK	-	1.0000	033F3301.D		4
34	34	1	0.500 CHECK	-	1.0000	034F3401.D		4

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Sunday, April 26, 2020 2:36:06 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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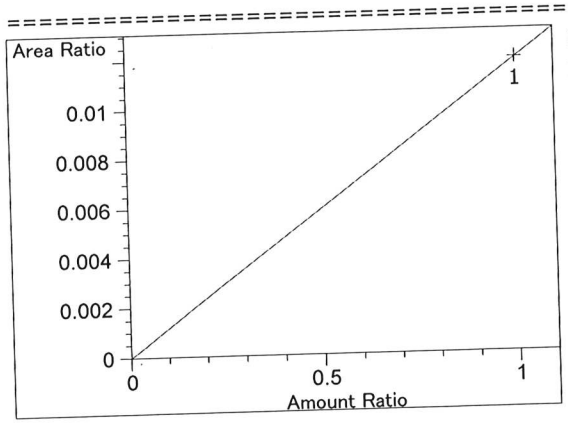
Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
1.977	2	1	1.00000	1.06794	9.36380e-1	No	No	2	Difluoroethane
2.000	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
3.107	1	1	5.00000e-2	8.97308	5.57222e-3	No	No	1	Ethanol
		2	1.00000e-1	17.93772	5.57484e-3				
		3	2.00000e-1	36.19984	5.52489e-3				
		4	3.00000e-1	54.66518	5.48795e-3				
		5	5.00000e-1	91.17885	5.48373e-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
4.179	2	1	5.00000e-2	9.01828	5.54429e-3	No	No	2	Ethanol
		2	1.00000e-1	18.00893	5.55280e-3				
		3	2.00000e-1	36.37369	5.49848e-3				
		4	3.00000e-1	54.99189	5.45535e-3				
		5	5.00000e-1	91.71019	5.45196e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.941	1	1	1.00000	91.43995	1.09361e-2	No	Yes	1	n-Propanol
		2	1.00000	91.16467	1.09692e-2				
		3	1.00000	91.93271	1.08775e-2				
		4	1.00000	90.55272	1.10433e-2				
		5	1.00000	90.87593	1.10040e-2				
7.619	2	1	1.00000	89.70626	1.11475e-2	No	Yes	2	n-Propanol
		2	1.00000	89.31760	1.11960e-2				
		3	1.00000	90.02164	1.11084e-2				
		4	1.00000	88.50619	1.12986e-2				
		5	1.00000	88.83974	1.12562e-2				

Peak Sum Table

No Entries in table

Calibration Curves



Difluoroethane at exp. RT: 1.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.19049e-2
x: Amount Ratio
y: Area Ratio

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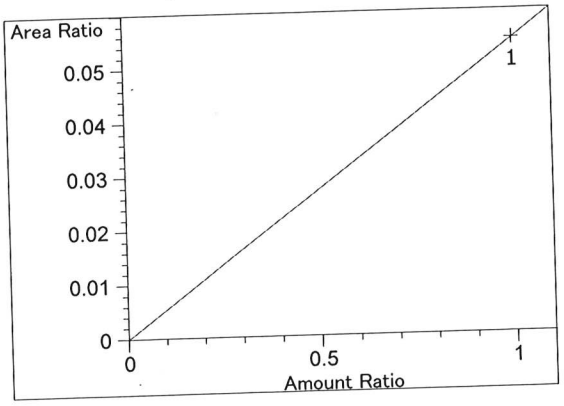
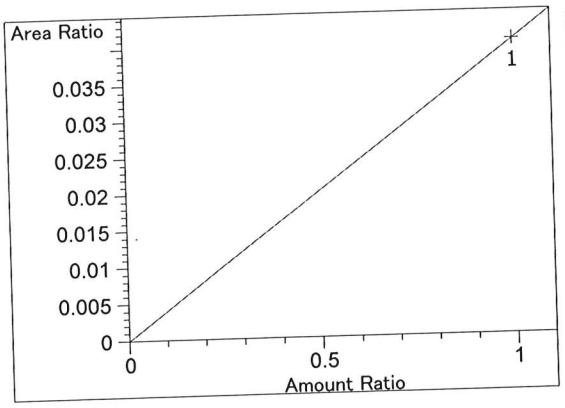
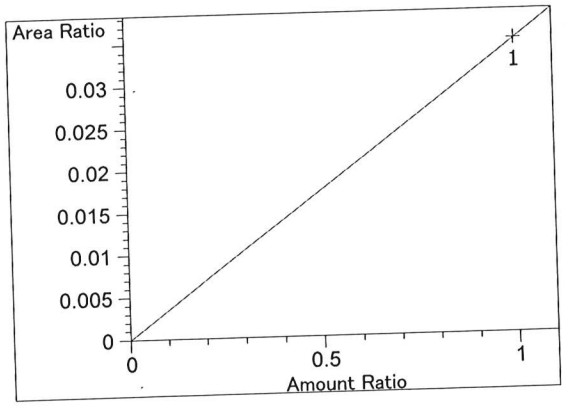
Method C:\CHEM32\1\METHODS\ALCOHOL.M



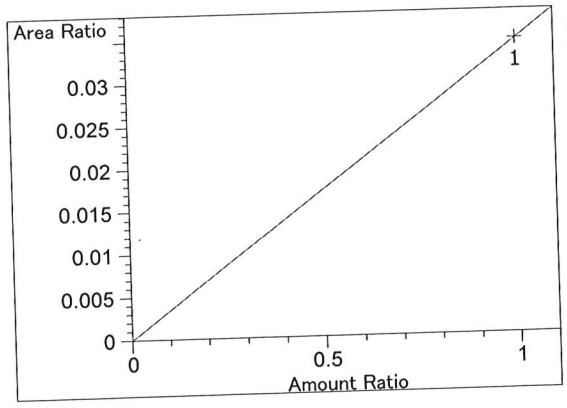
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.46807e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.04276e-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: 3.49203e-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: 3.46213e-2
x: Amount Ratio
y: Area Ratio

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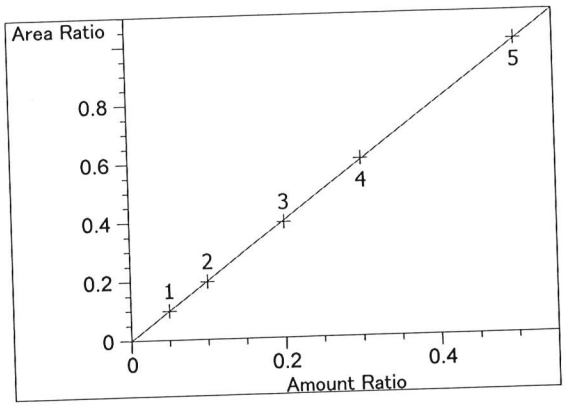
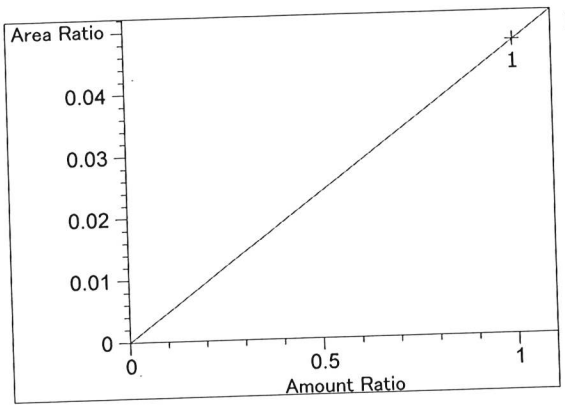
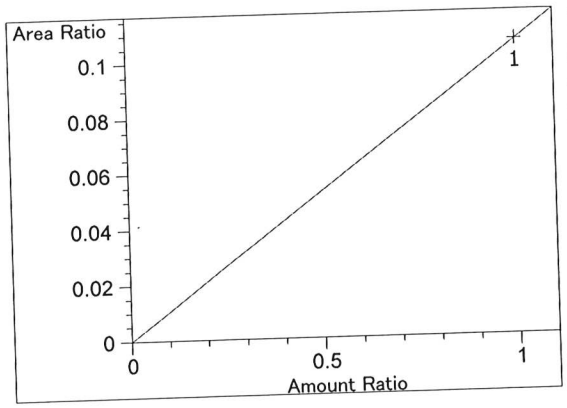
Method C:\CHEM32\1\METHODS\ALCOHOL.M



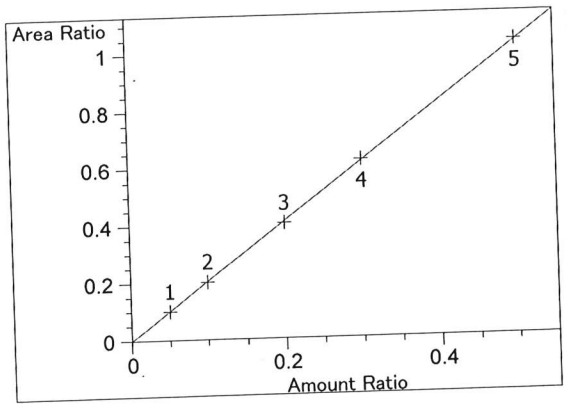
Ethanol at exp. RT: 3.107
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00431
Formula: y = mx
m: 2.00282
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.74953e-2
x: Amount Ratio
y: Area Ratio

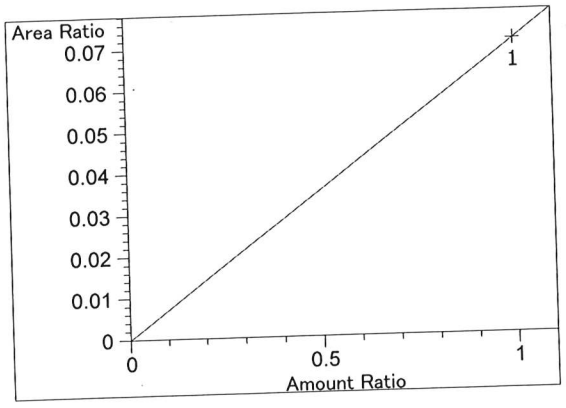


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.06415e-1
x: Amount Ratio
y: Area Ratio

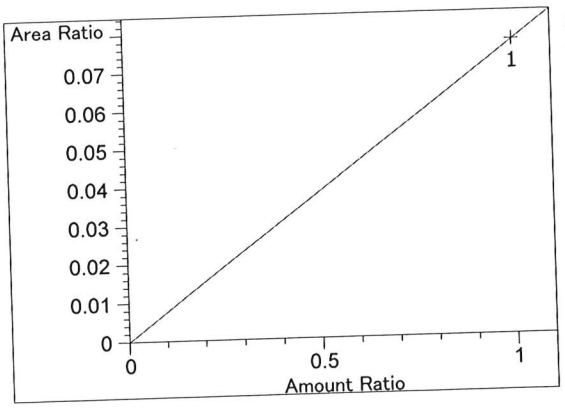


Ethanol at exp. RT: 4.179
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00512
Formula: y = mx
m: 2.06001
x: Amount Ratio
y: Area Ratio

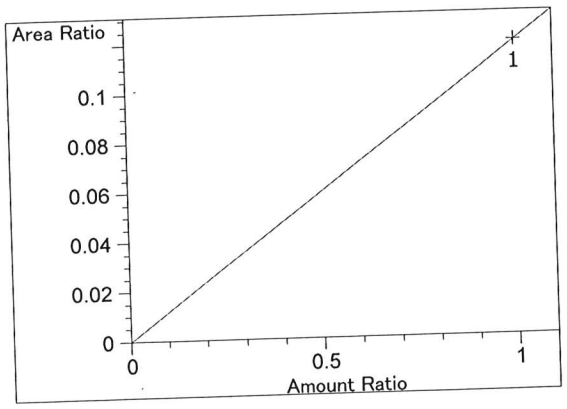
Method C:\CHEM32\1\METHODS\ALCOHOL.M



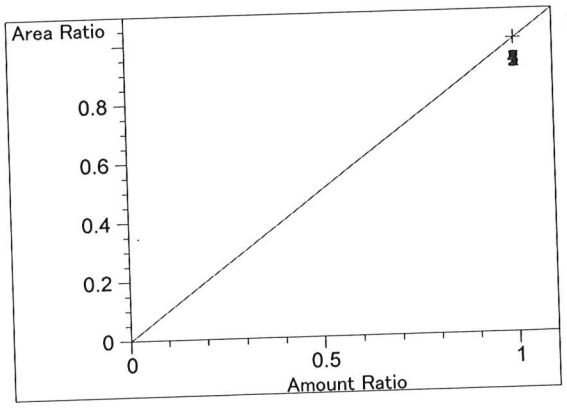
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.10784e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.68398e-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: 1.19350e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.941
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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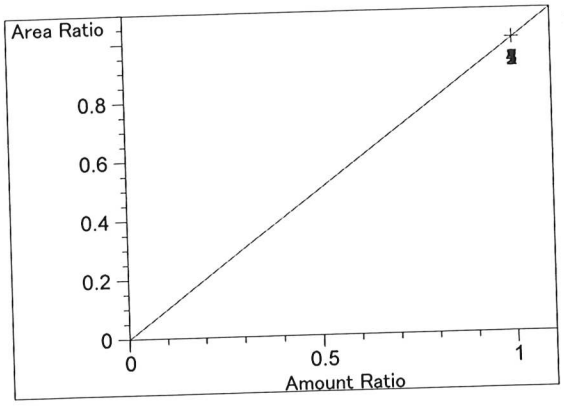
Method C:\CHEM32\1\METHODS\ALCOHOL.M



n-Propanol at exp. RT: 7.619
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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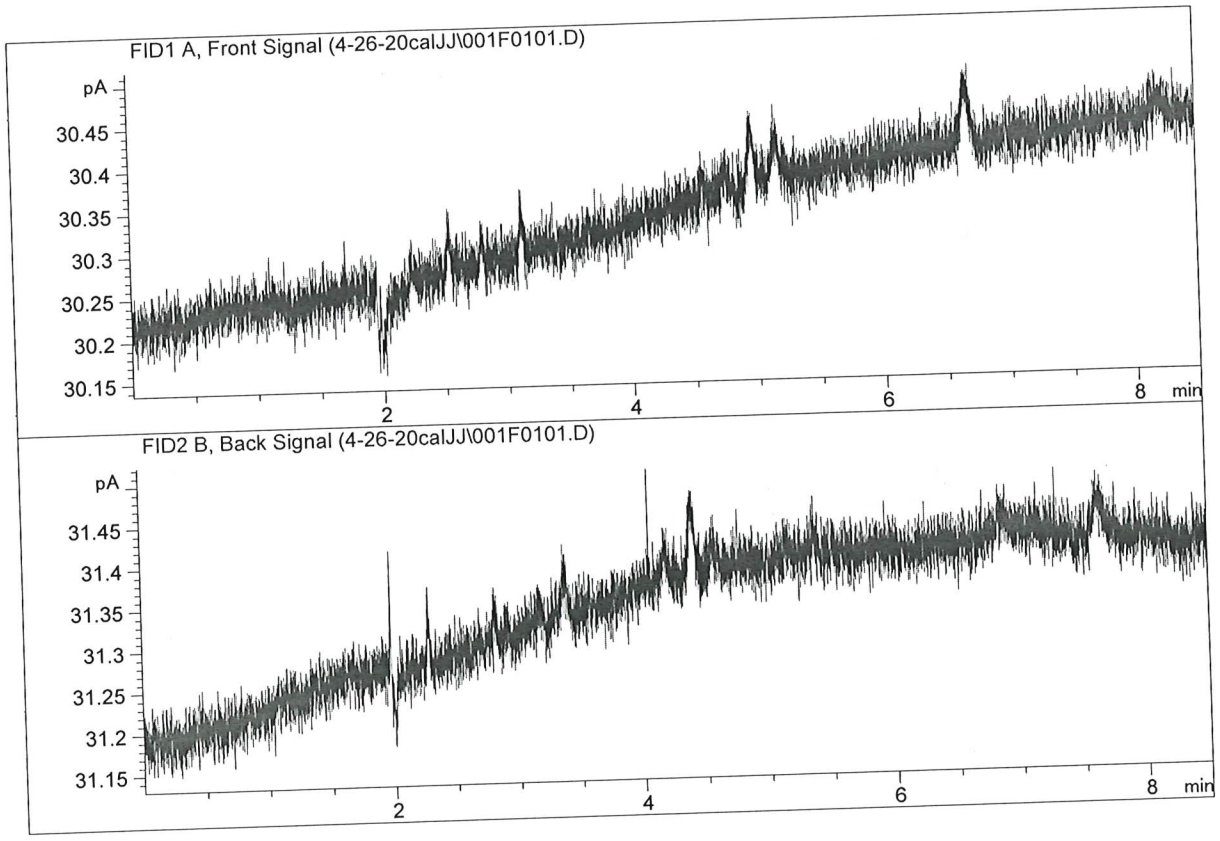
ISP Forensic Services Blood Alcohol Report

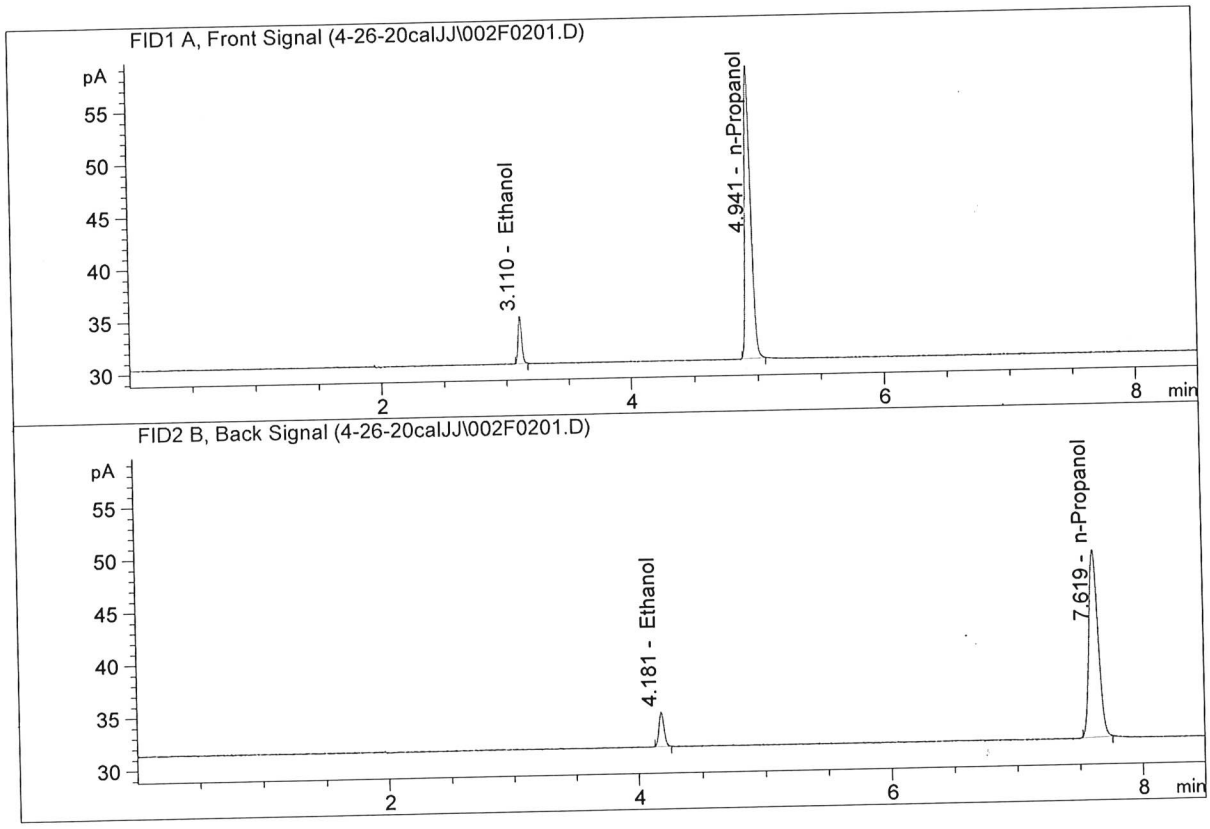
Sample Name	:	WATER
Laboratory	:	Coeur d' Alene
Injection Date	:	Apr 26, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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 : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.97308	0.0490	g/100cc
2.	Ethanol	Column 2:	9.01828	0.0488	g/100cc
3.	n-Propanol	Column 1:	91.43995	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.70626	1.0000	g/100cc

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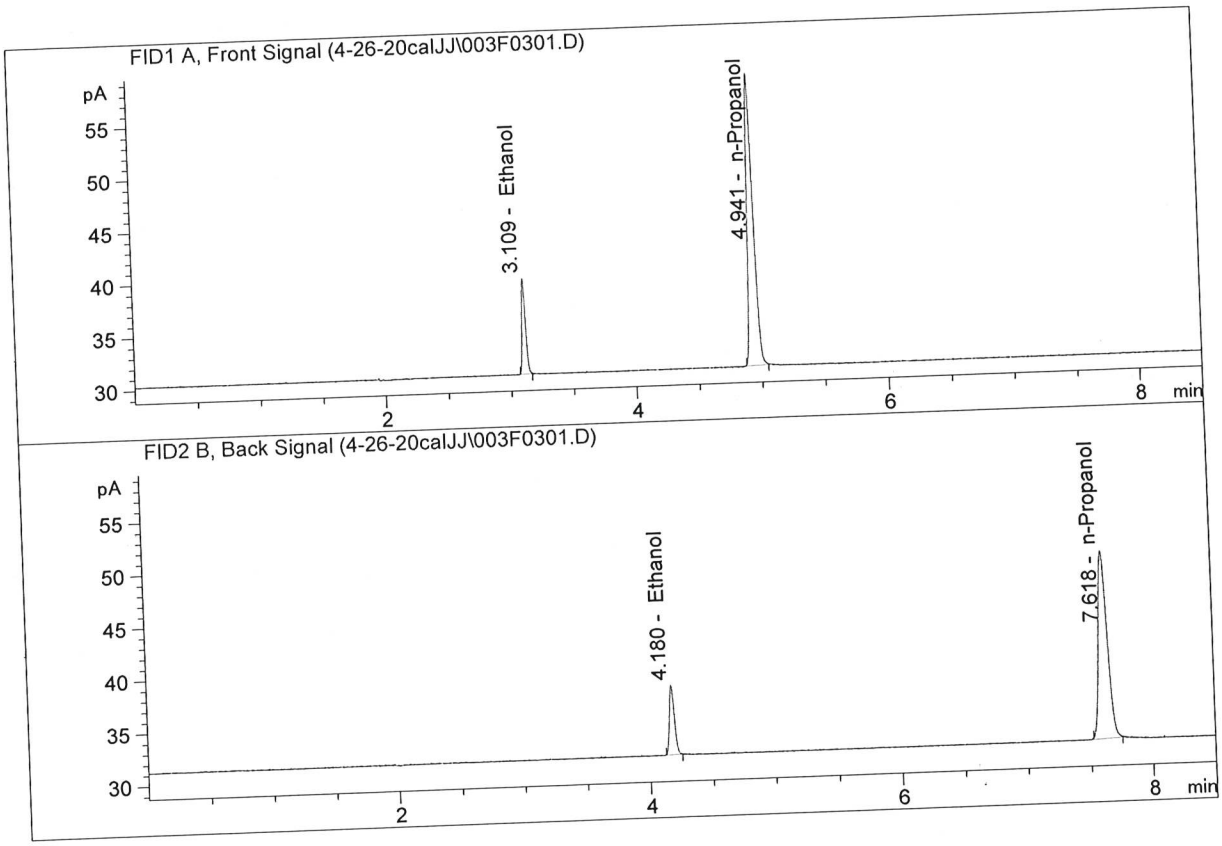
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.93772	0.0982	g/100cc
2.	Ethanol	Column 2:	18.00893	0.0979	g/100cc
3.	n-Propanol	Column 1:	91.16467	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.31760	1.0000	g/100cc

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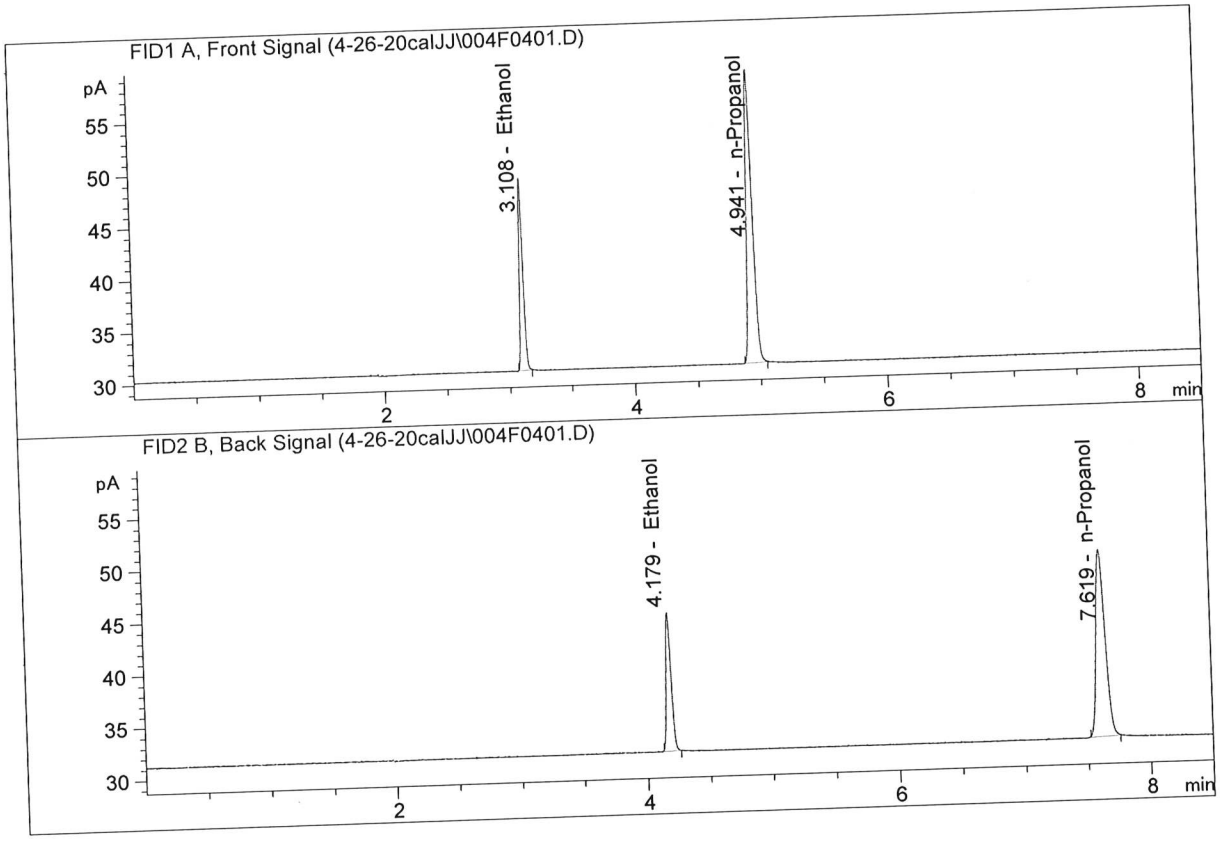
ISP Forensic Services Blood Alcohol Report

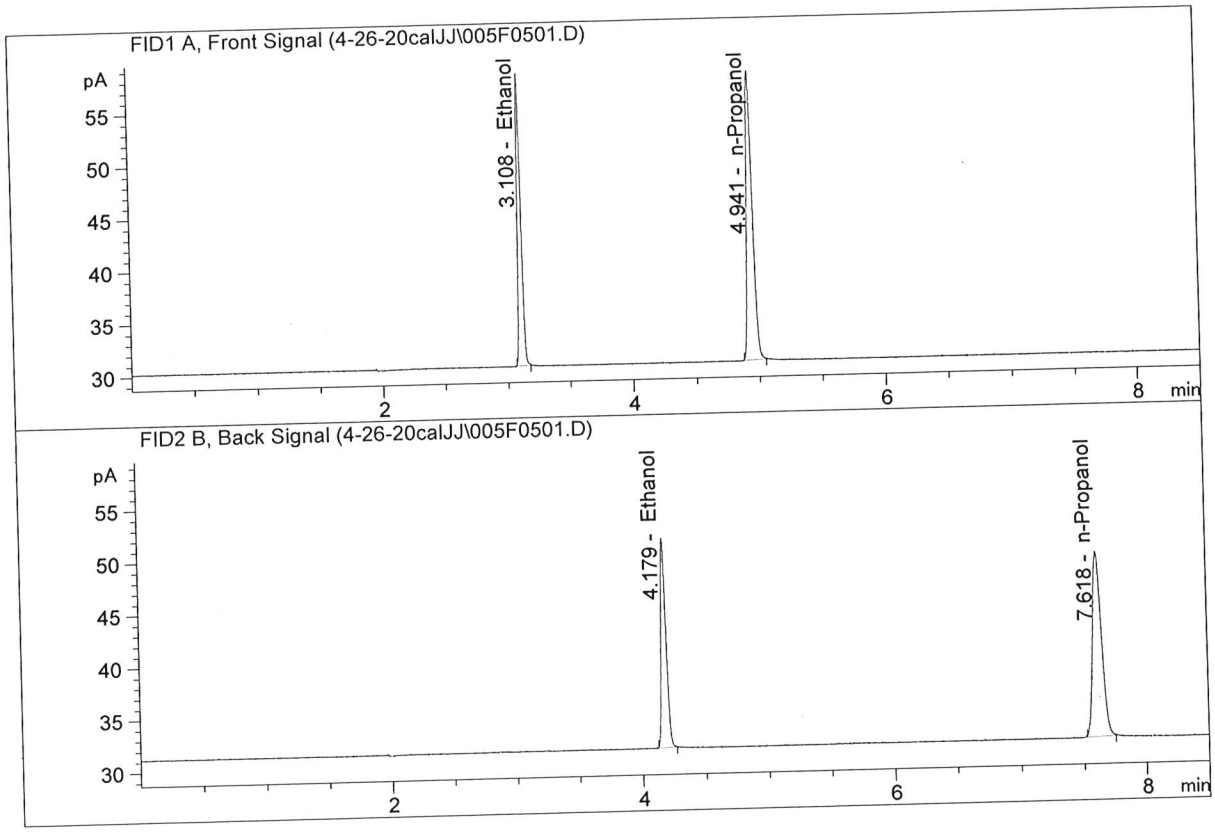
Sample Name	:	0.200
Laboratory	:	Coeur d' Alene
Injection Date	:	Apr 26, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.19984	0.1966	g/100cc
2.	Ethanol	Column 2:	36.37369	0.1961	g/100cc
3.	n-Propanol	Column 1:	91.93271	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.02164	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.66518	0.3014	g/100cc
2.	Ethanol	Column 2:	54.99189	0.3016	g/100cc
3.	n-Propanol	Column 1:	90.55272	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.50619	1.0000	g/100cc

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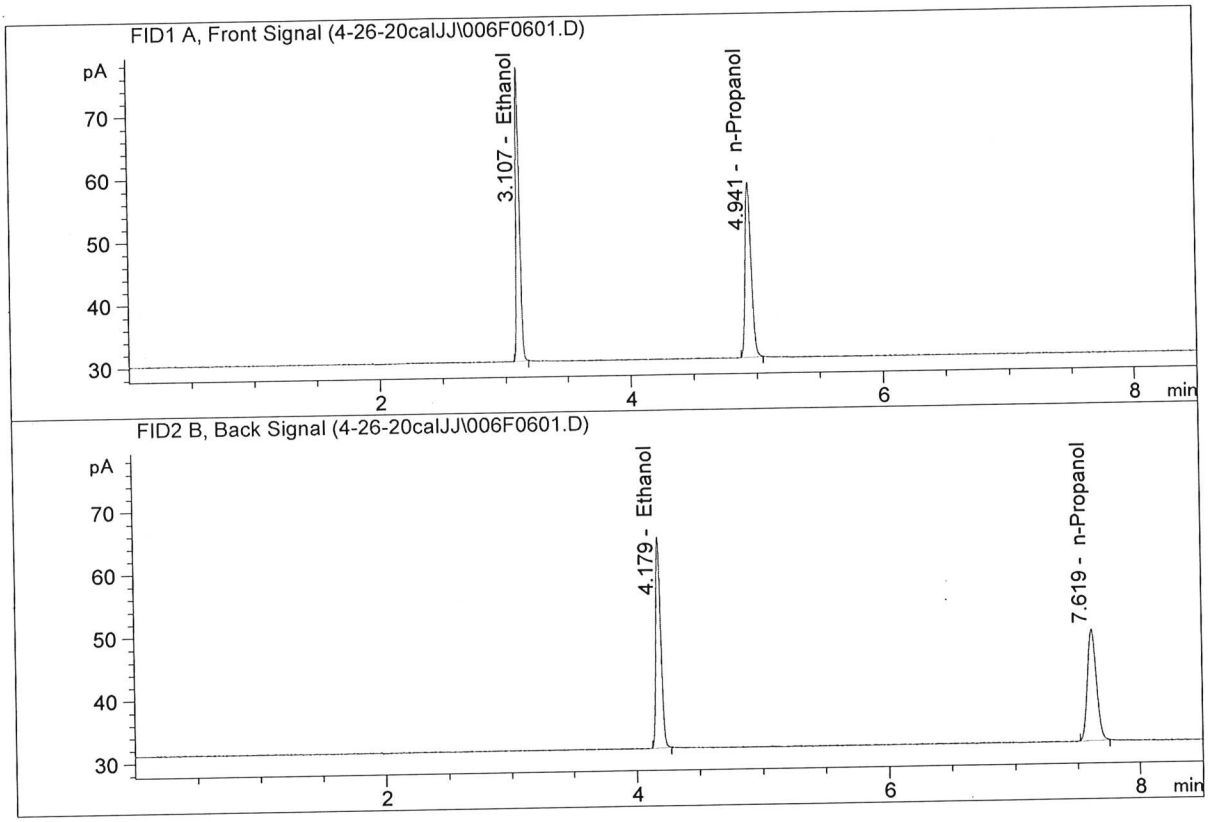
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	91.17885	0.5010	g/100cc
2.	Ethanol	Column 2:	91.71019	0.5011	g/100cc
3.	n-Propanol	Column 1:	90.87593	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.83974	1.0000	g/100cc

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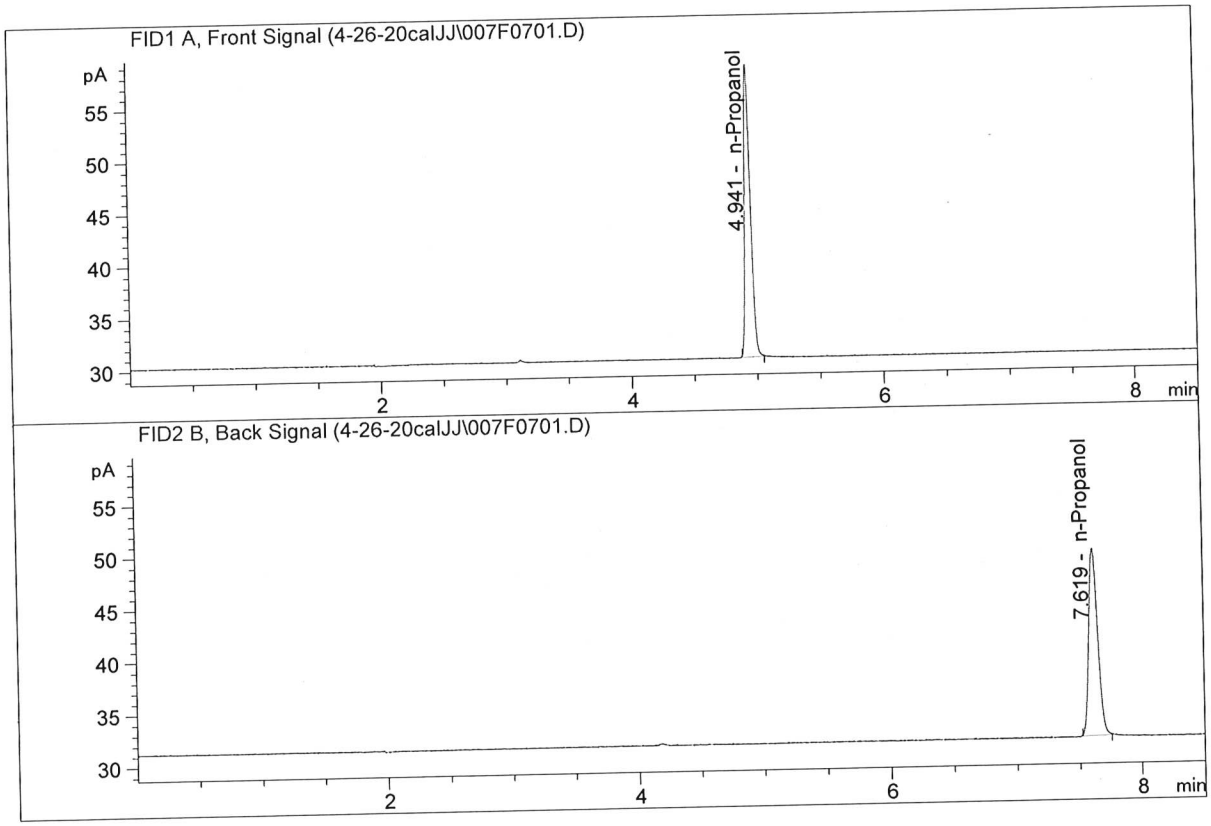
ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 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:	91.89813	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.17114	1.0000	g/100cc

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_26.04.2020_01.07.01\4-26-20cal.S

Sample Summary

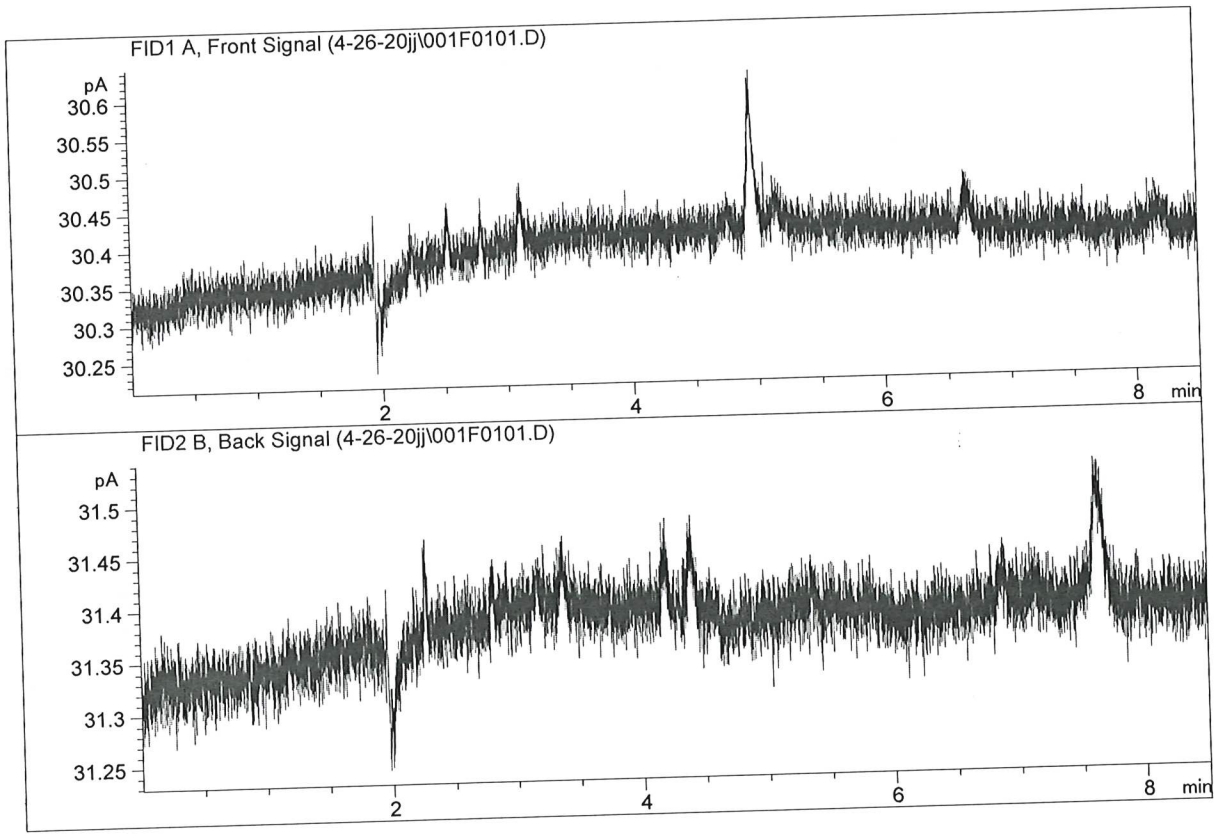
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_26.04.2020_01.07.01\4-26-20cal.S
Data directory path: C:\Chem32\1\Data\4-26-20calJJ
Logbook: C:\Chem32\1\Data\4-26-20calJJ\4-26-20cal.LOG
Sequence start: 4/26/2020 1:20:44 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	blank	-	1.0000	007F0701.D		2

ISP Forensic Services Blood Alcohol Report

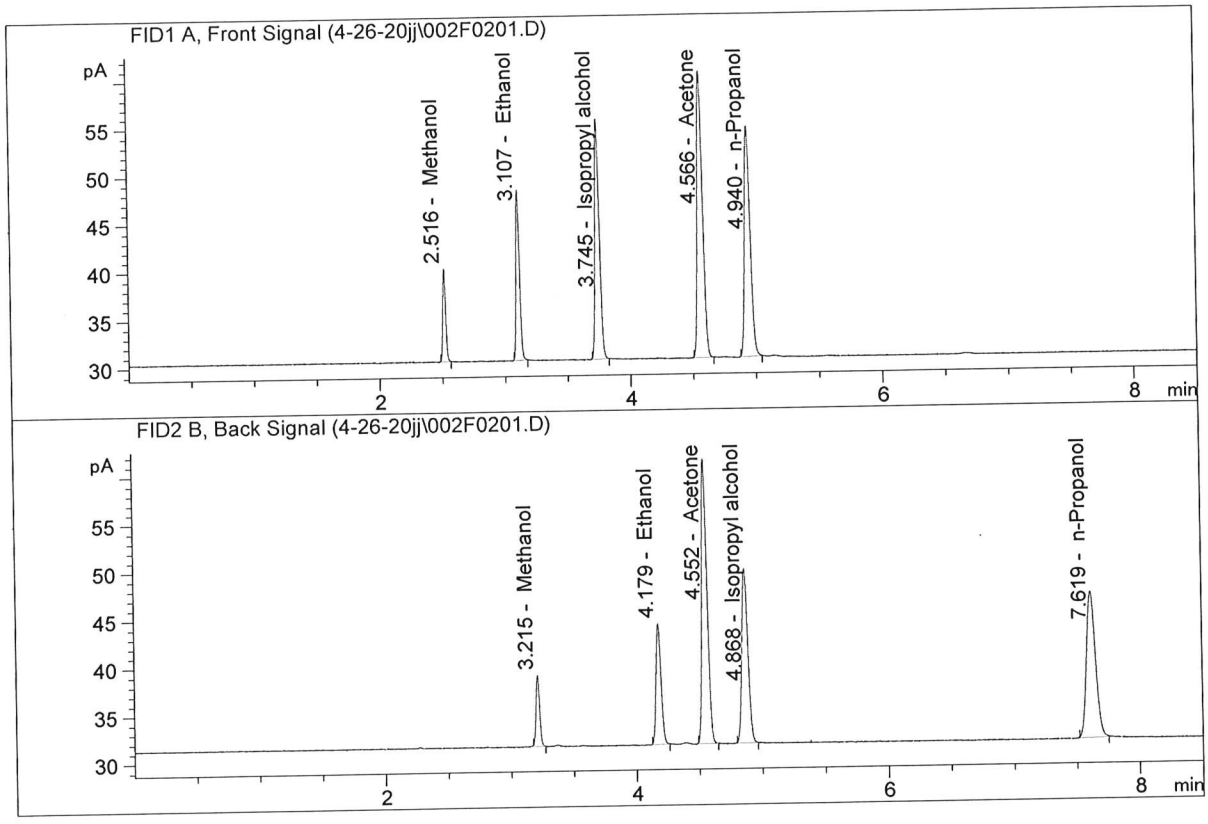
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	34.85957	0.2217	g/100cc
2.	Ethanol	Column 2:	34.72996	0.2192	g/100cc
3.	n-Propanol	Column 1:	78.49042	1.0000	g/100cc
4.	n-Propanol	Column 2:	76.89540	1.0000	g/100cc

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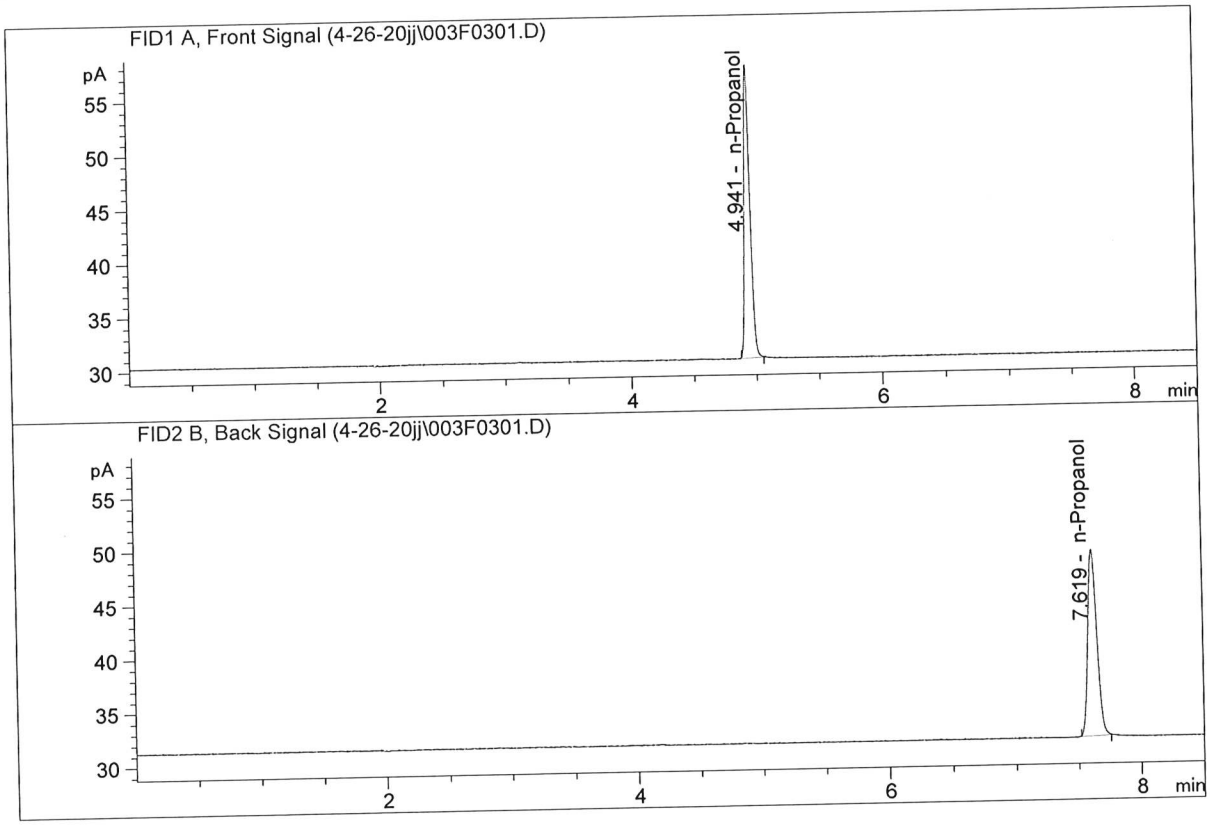
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 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:	88.78127	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.98460	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 26 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0762	0.0756	0.0006	0.0759	0.0007	0.0755
(g/100cc)	0.0755	0.0750	0.0005	0.0752		

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

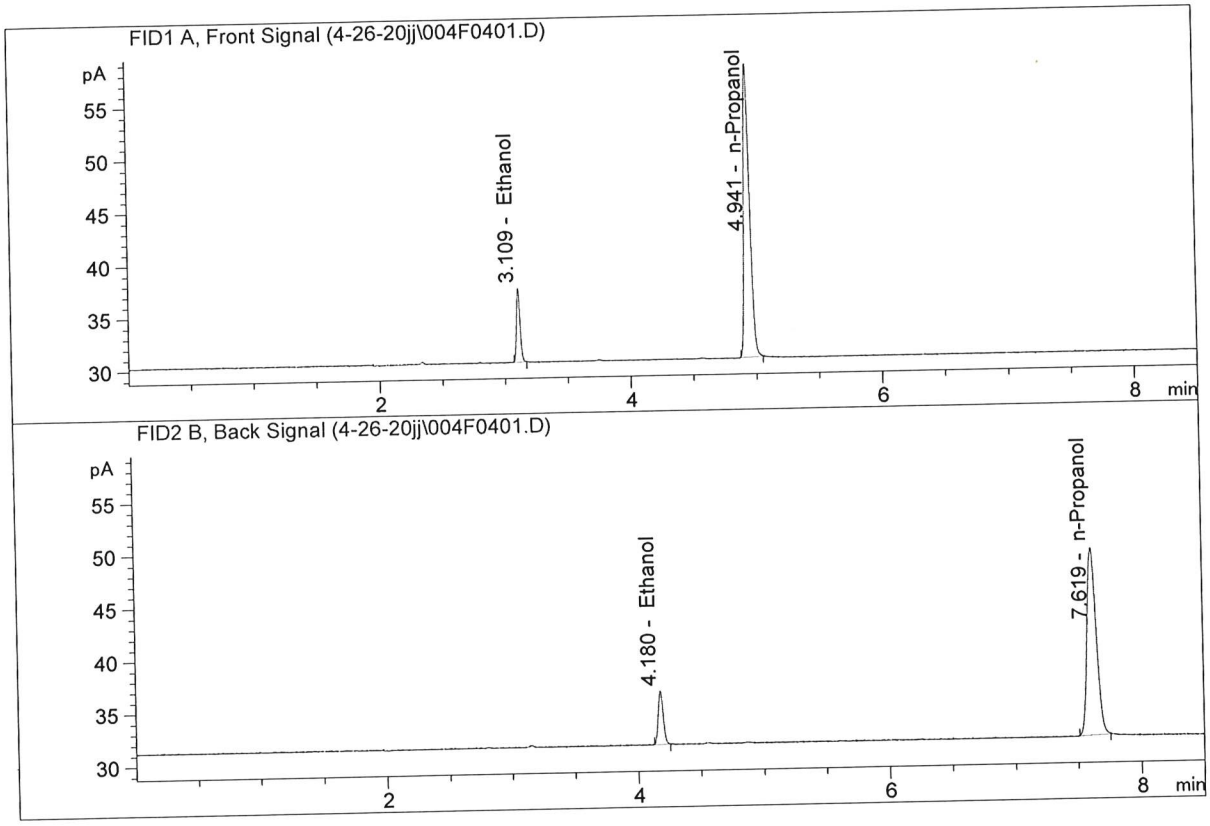
	Reported Result	
	0.075	

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 : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

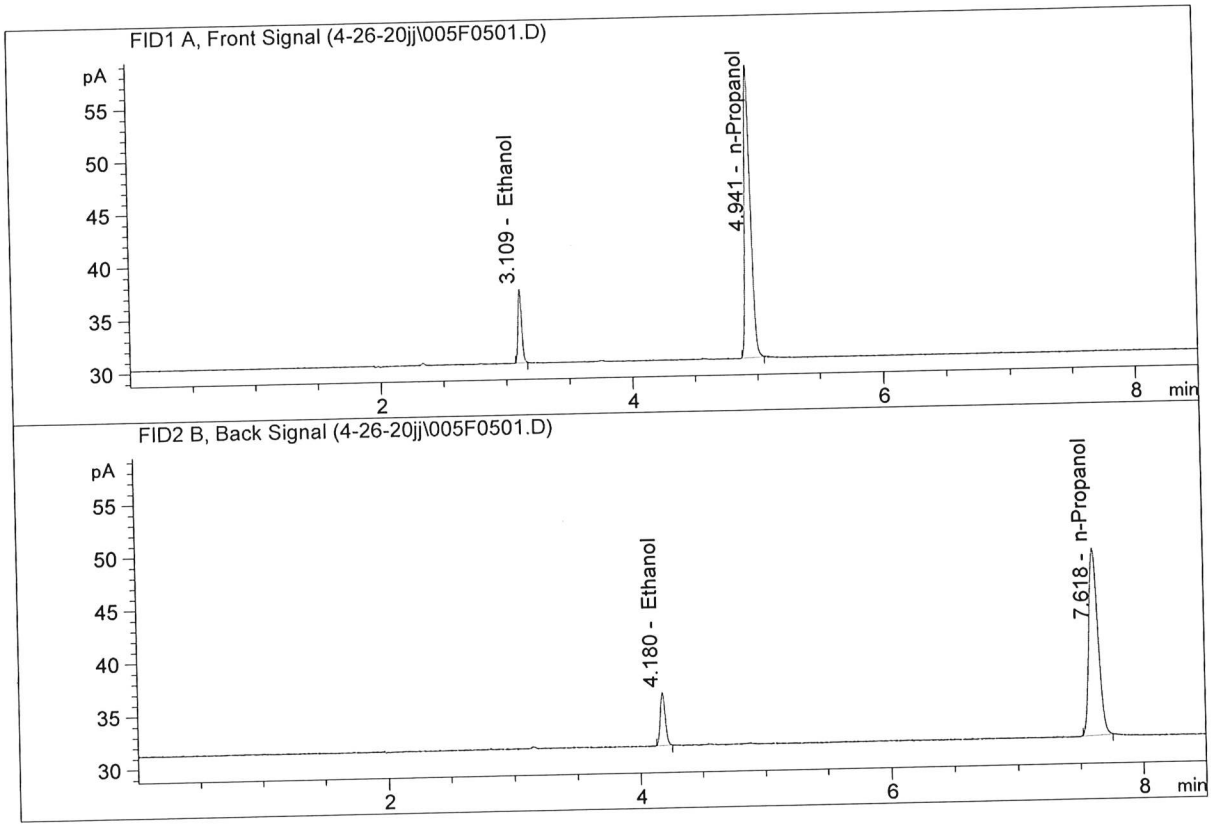


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.88433	0.0762	g/100cc
2.	Ethanol	Column 2:	13.89477	0.0756	g/100cc
3.	n-Propanol	Column 1:	91.03185	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.21364	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.71923	0.0755	g/100cc
2.	Ethanol	Column 2:	13.73310	0.0750	g/100cc
3.	n-Propanol	Column 1:	90.70459	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.83617	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 26 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0794	0.0787	0.0007	0.0790	0.0003	0.0789
(g/100cc)	0.0792	0.0783	0.0009	0.0787		

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
0.078	**0.074**	**0.082**	**0.004**

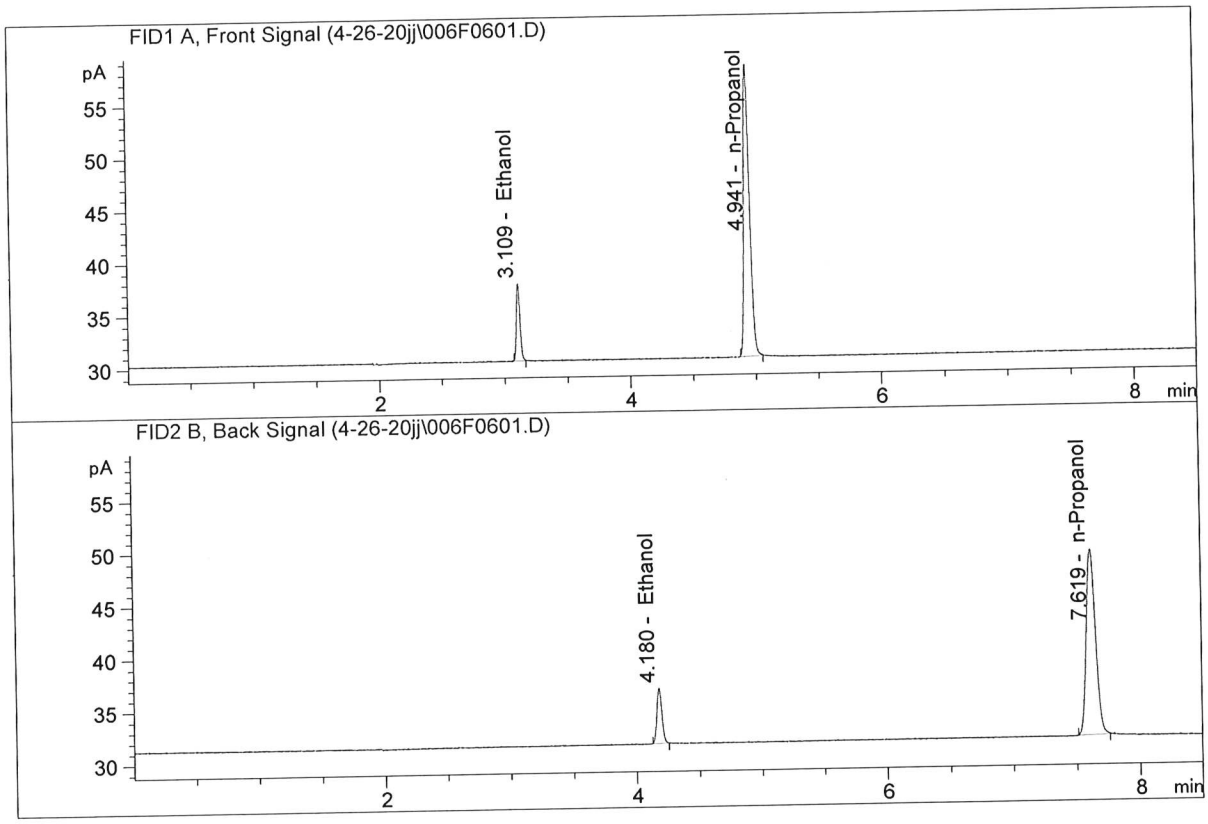
	Reported Result	
	0.078	

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 : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

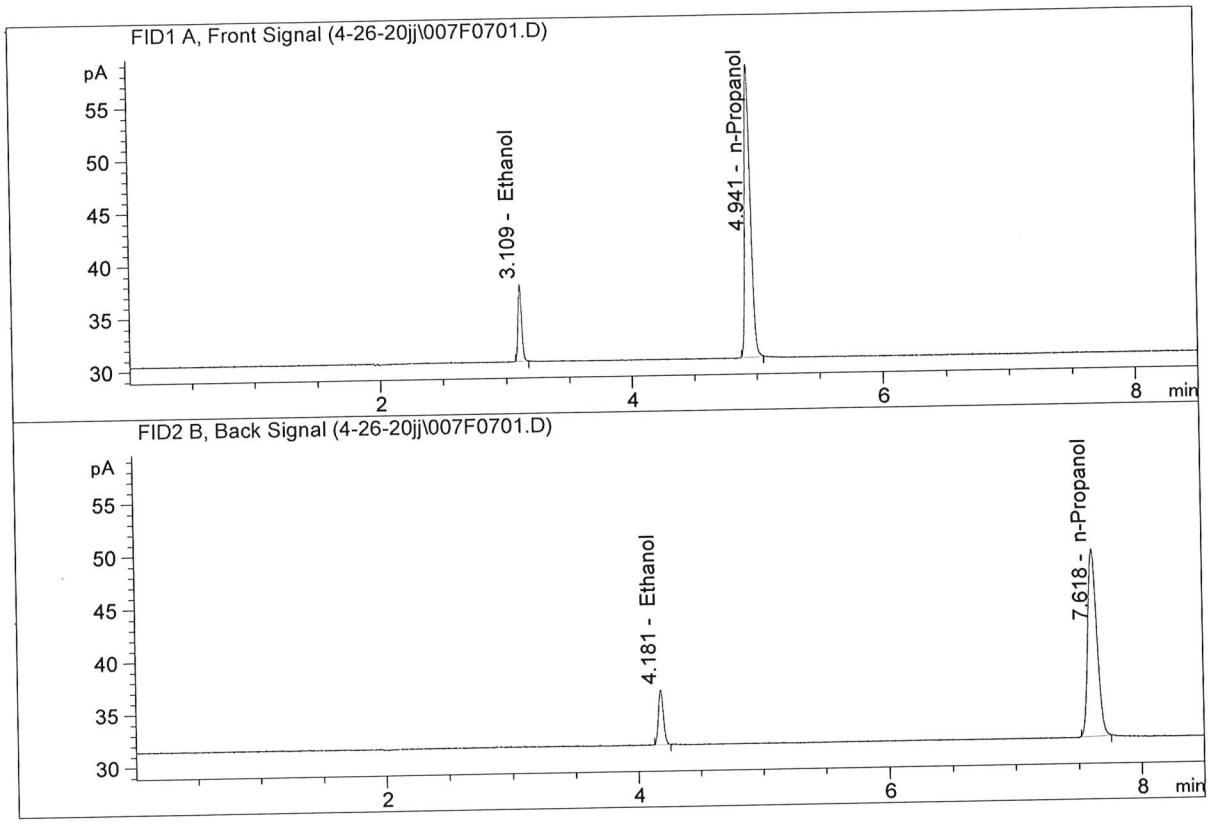


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.44348	0.0794	g/100cc
2.	Ethanol	Column 2:	14.45564	0.0787	g/100cc
3.	n-Propanol	Column 1:	90.83690	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.16769	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.43947	0.0792	g/100cc
2.	Ethanol	Column 2:	14.40627	0.0783	g/100cc
3.	n-Propanol	Column 1:	91.05719	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.34260	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 26 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1952	0.1950	0.0002	0.1951	0.0009	0.1946
(g/100cc)	0.1943	0.1941	0.0002	0.1942		

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%**

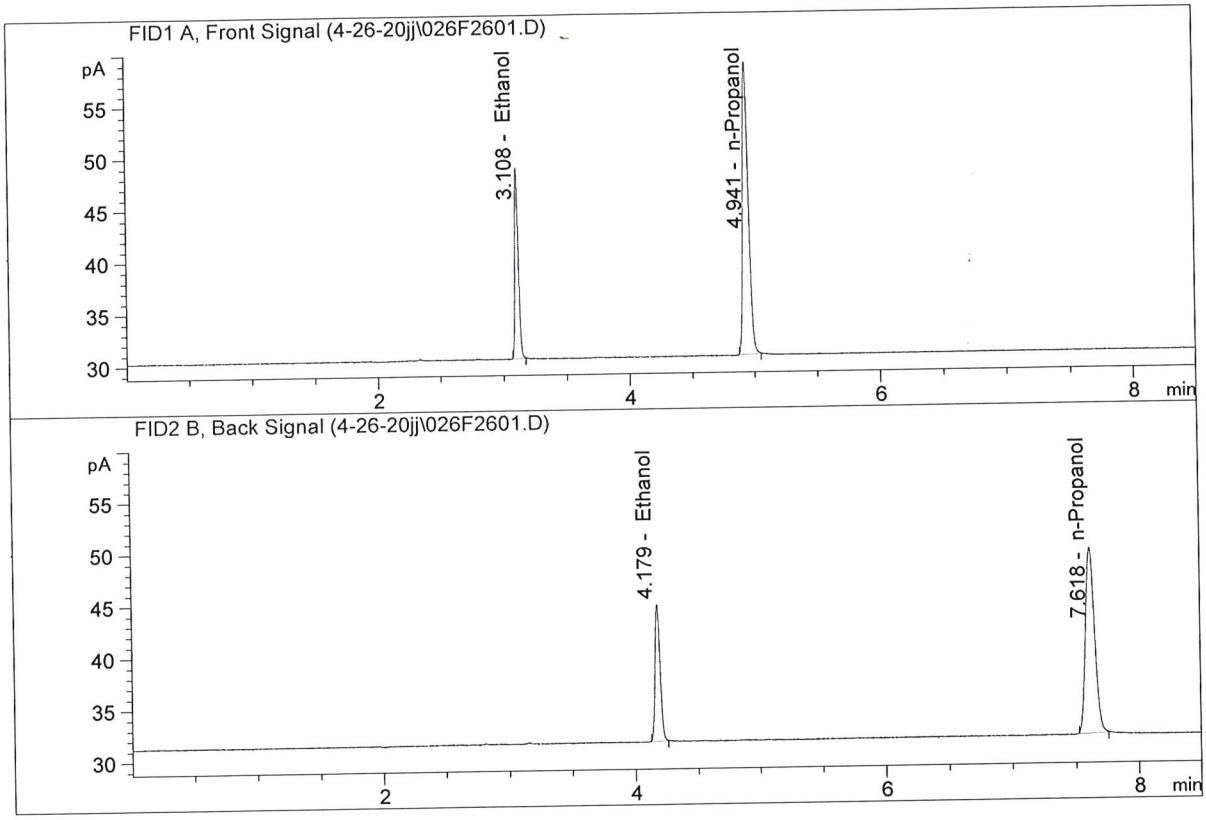
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

	Reported Result	
	0.194	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.11204	0.1952	g/100cc
2.	Ethanol	Column 2:	36.20999	0.1950	g/100cc
3.	n-Propanol	Column 1:	92.37698	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.16091	1.0000	g/100cc

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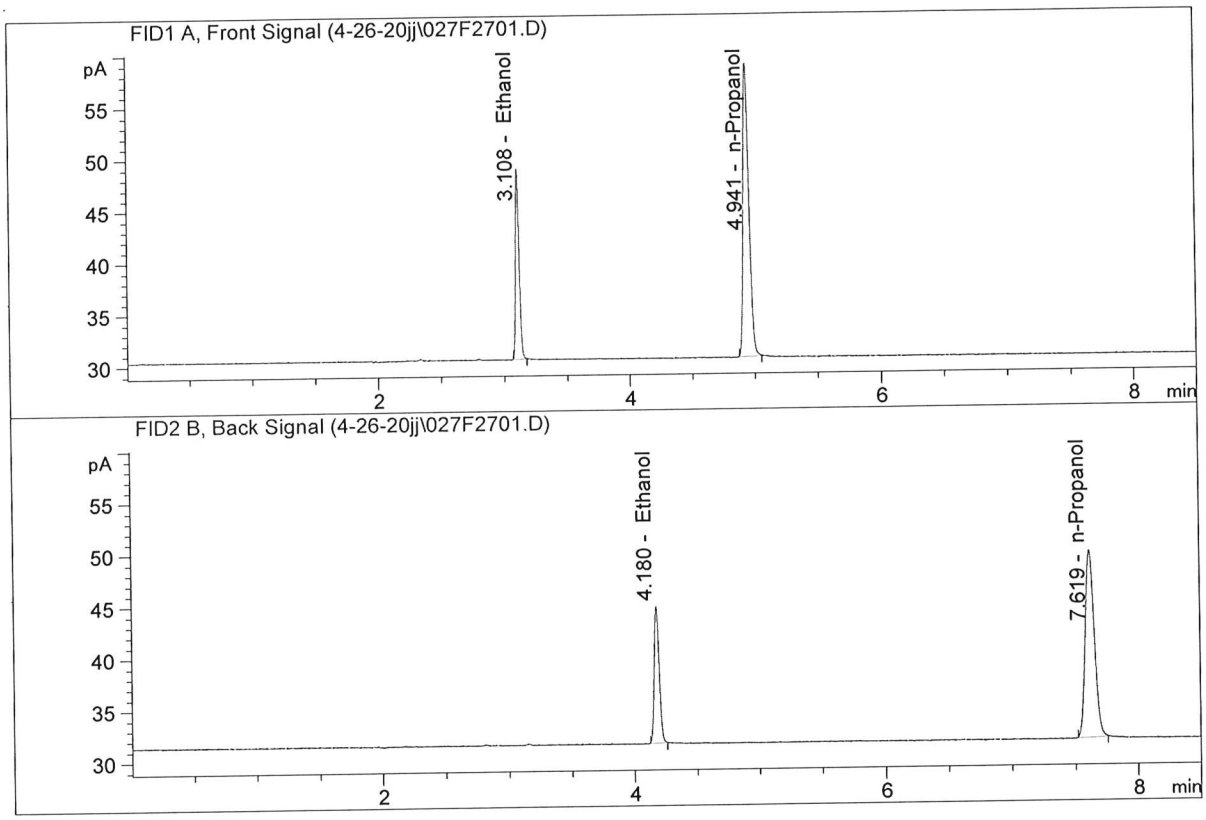
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

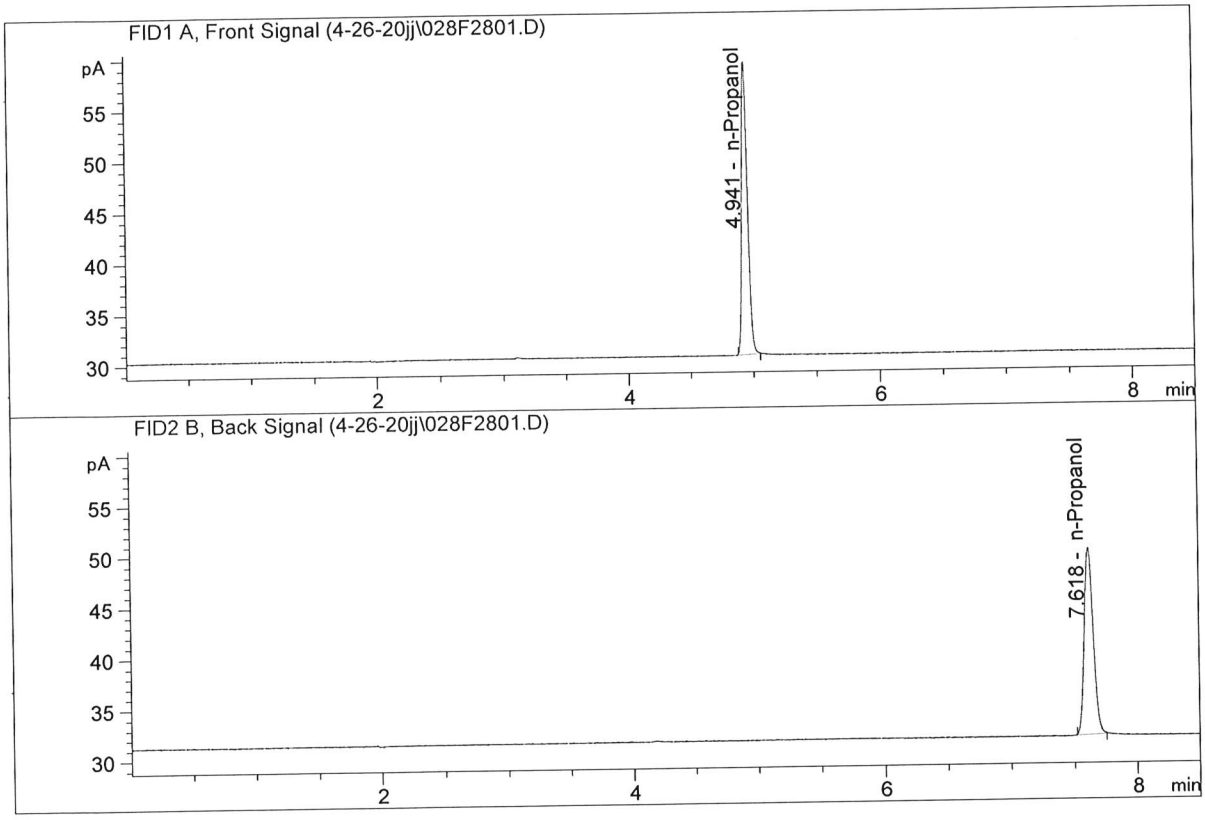


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.16322	0.1943	g/100cc
2.	Ethanol	Column 2:	36.35480	0.1941	g/100cc
3.	n-Propanol	Column 1:	92.91761	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.93372	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

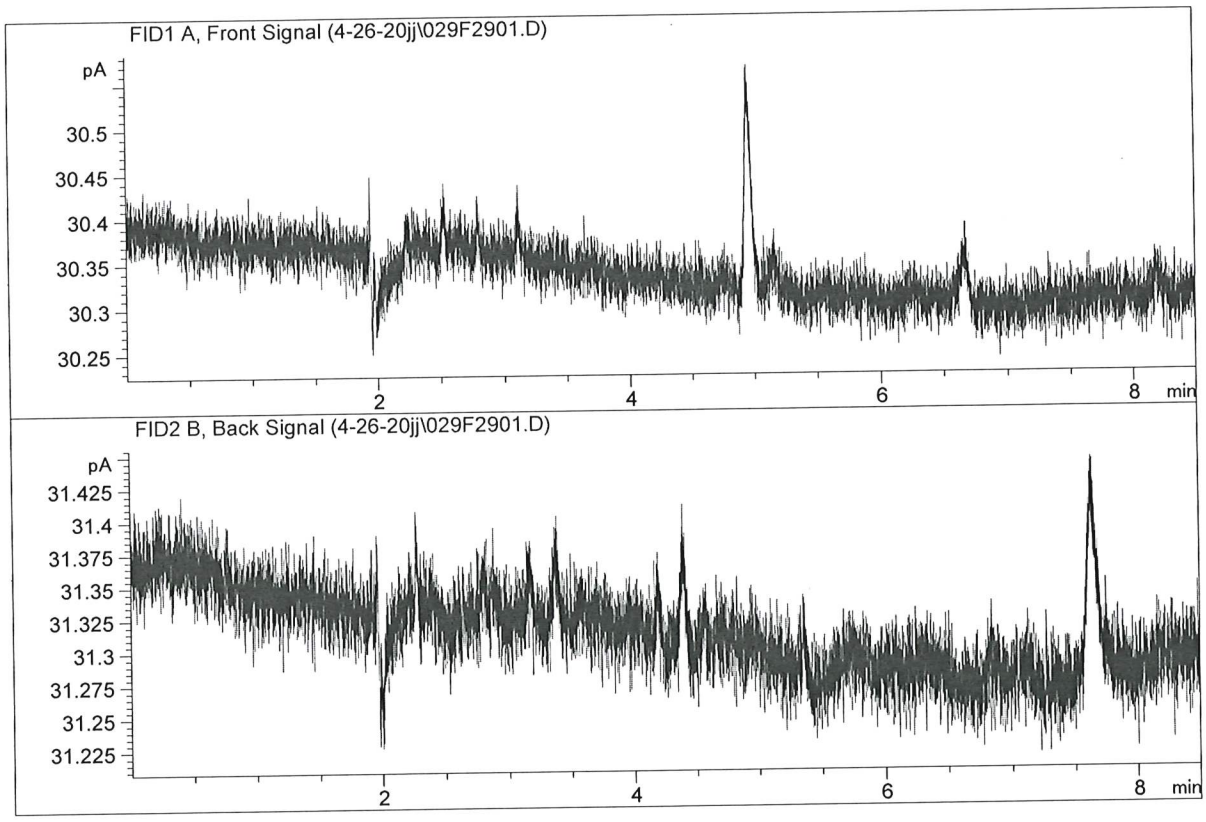


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	94.28130	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.35754	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

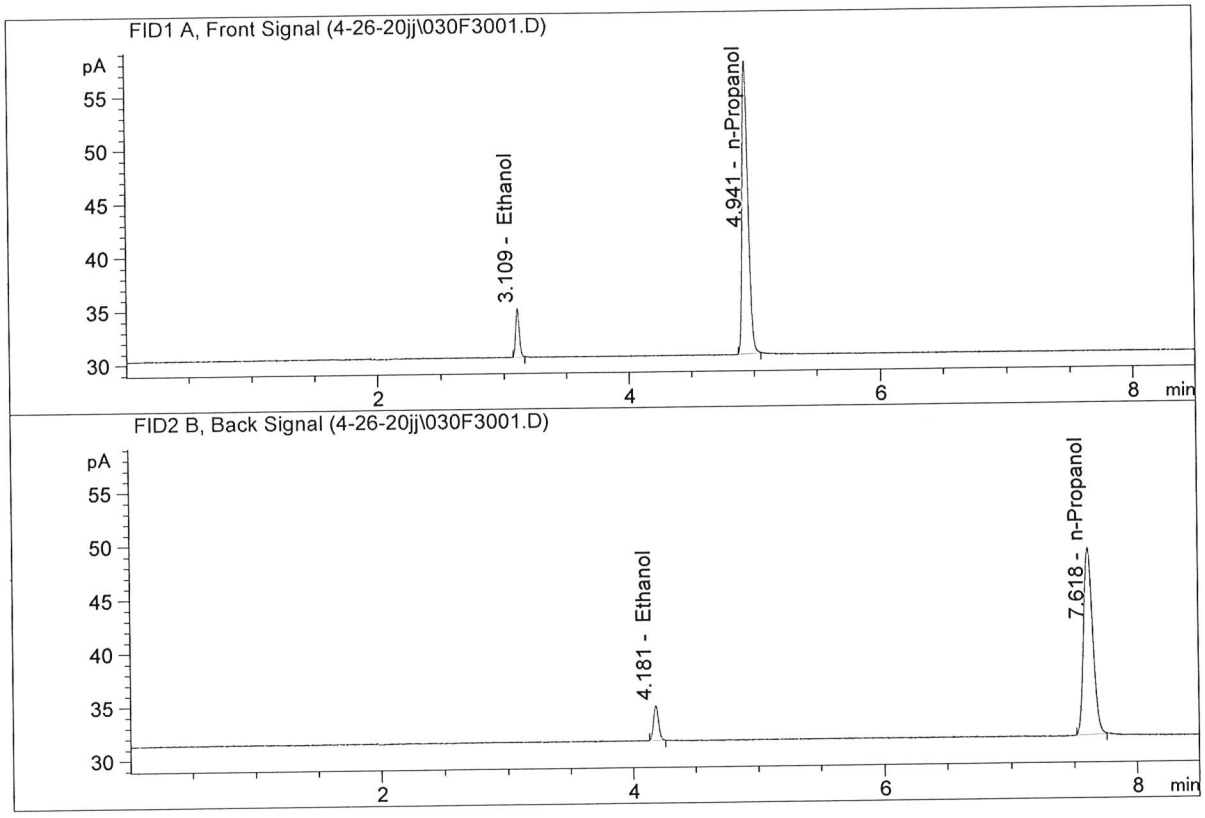


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name	:	0.05 CHECK
Laboratory	:	Coeur d' Alene
Injection Date	:	Apr 26, 2020
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

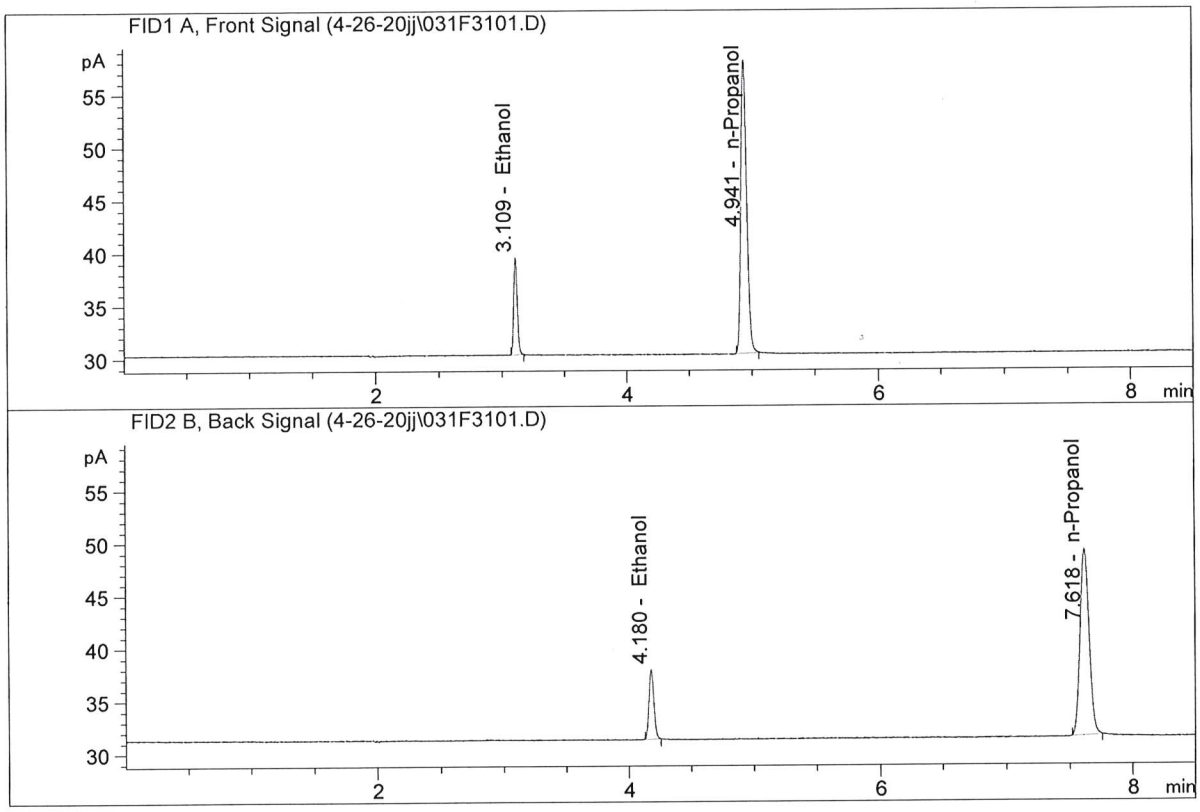


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.03084	0.0503	g/100cc
2.	Ethanol	Column 2:	9.05696	0.0500	g/100cc
3.	n-Propanol	Column 1:	89.72217	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.96352	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 CHECK
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

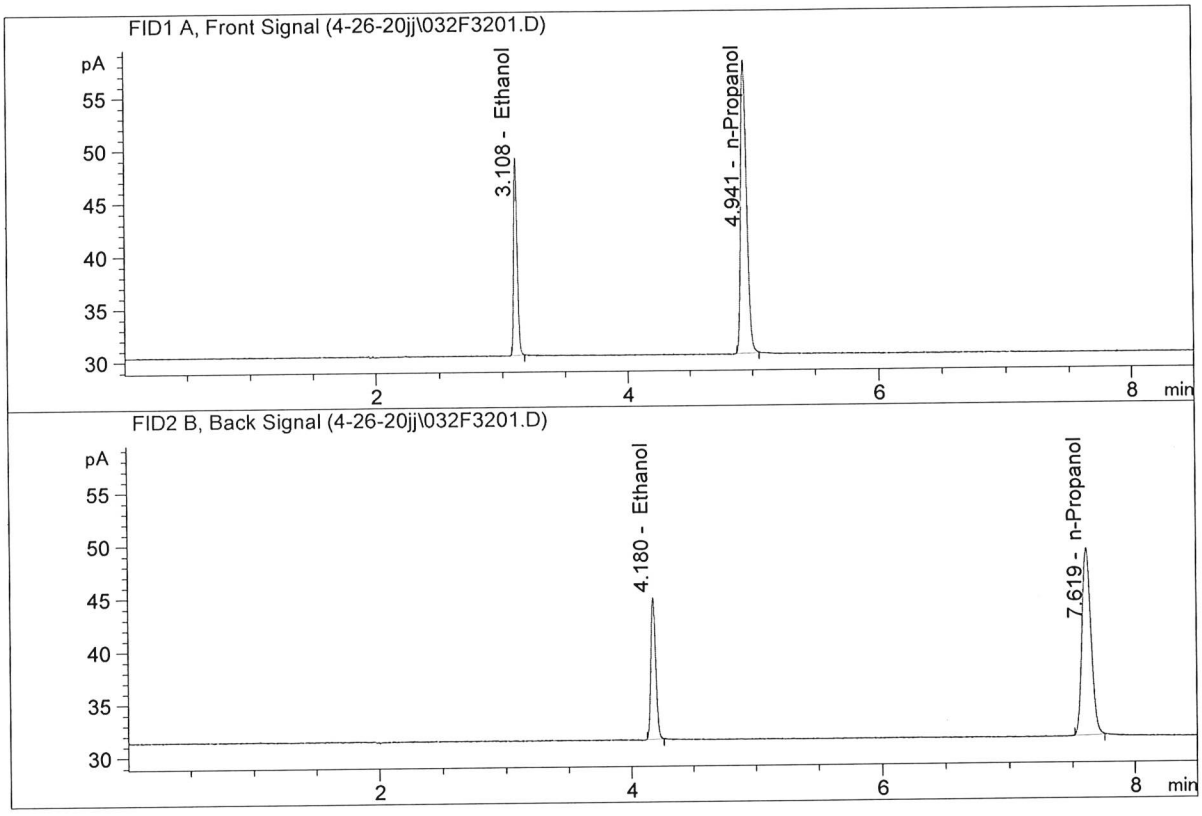


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.16194	0.0997	g/100cc
2.	Ethanol	Column 2:	18.19961	0.0994	g/100cc
3.	n-Propanol	Column 1:	90.93575	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.84590	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 CHECK
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

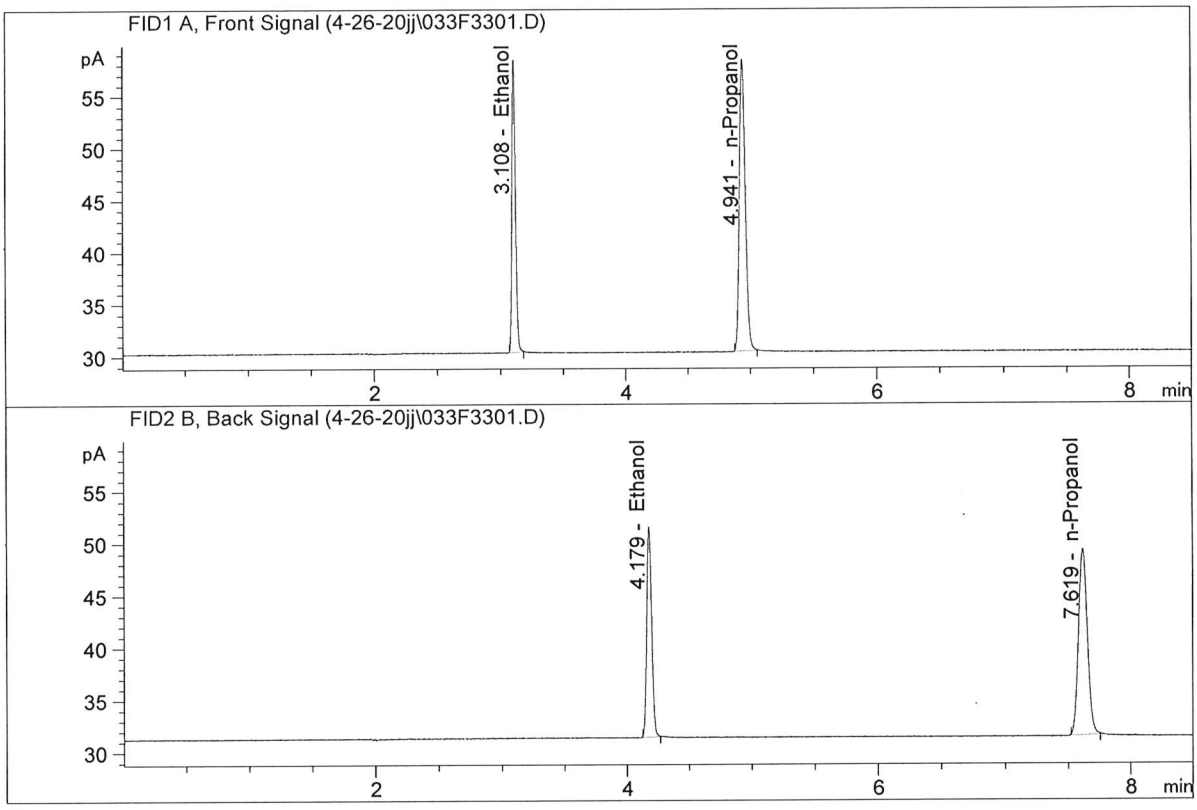


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.62875	0.2011	g/100cc
2.	Ethanol	Column 2:	36.72149	0.2005	g/100cc
3.	n-Propanol	Column 1:	90.93028	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.89678	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

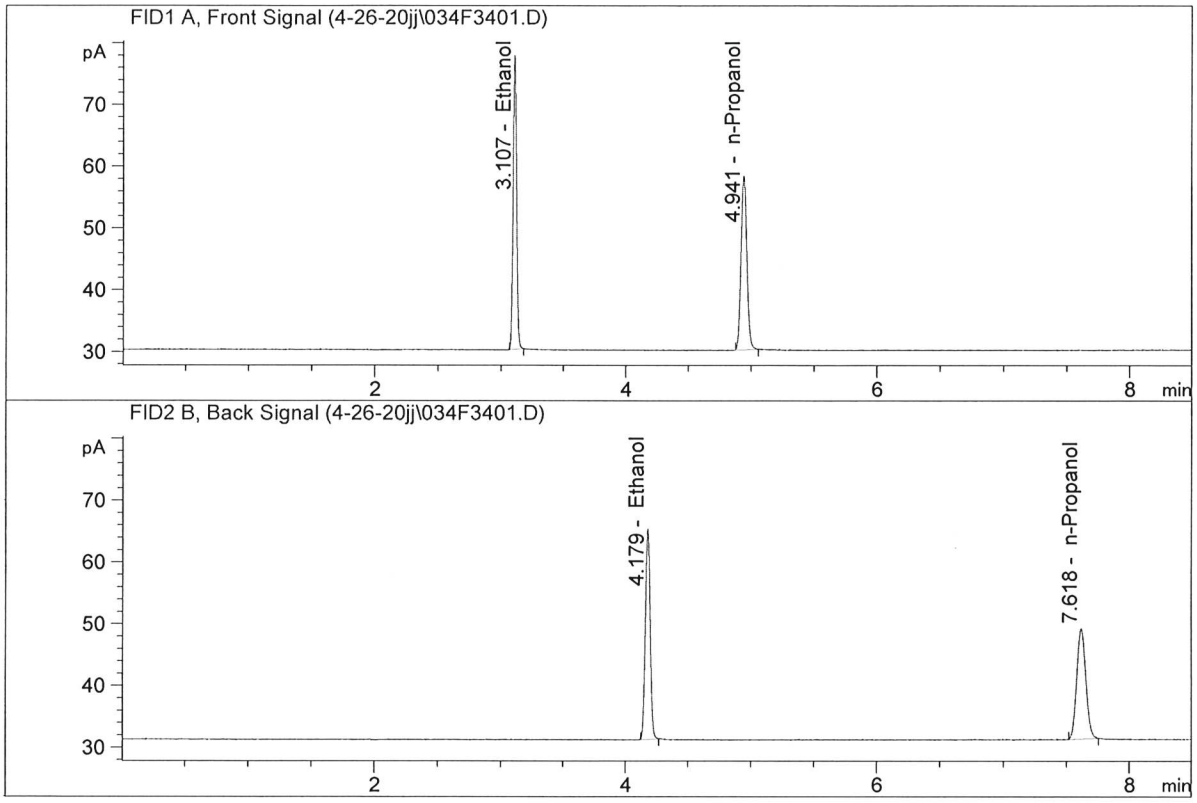
Sample Name : 0.300 CHECK
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.02160	0.2995	g/100cc
2.	Ethanol	Column 2:	55.20259	0.2988	g/100cc
3.	n-Propanol	Column 1:	91.73827	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.69408	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK
Laboratory : Coeur d' Alene
Injection Date : Apr 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	92.80305	0.5018	g/100cc
2.	Ethanol	Column 2:	93.34646	0.5039	g/100cc
3.	n-Propanol	Column 1:	92.34218	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.92748	1.0000	g/100cc

99