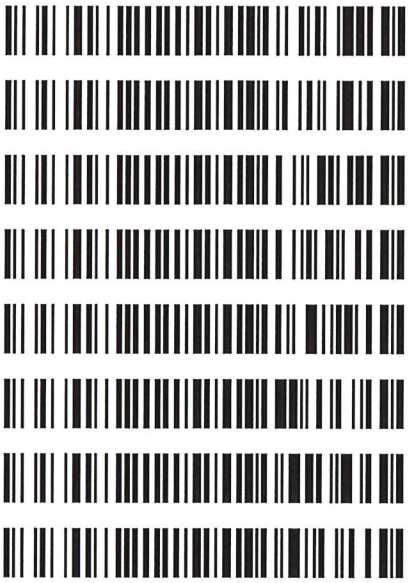
REVIEWED
By Galina Giso at 12:59 pm, Jun 01, 2020

5/31/2020

Worklist: 4268

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-0946	1	BCK	Alcohol Analysis
C2020-0968	1	BCK	Alcohol Analysis
C2020-0991	1	BCK	Alcohol Analysis
C2020-0992	1	BCK	Alcohol Analysis
C2020-0999	1	BCK	Alcohol Analysis
C2020-1002	1	BCK	Alcohol Analysis
C2020-1030	1	BCK	Alcohol Analysis
C2020-1031	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): 5-31-20**

worklist #4268

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0767 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1981 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	1.00000	**Column2**	1.00000

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0497	0.0491	0.0006	0.0494
100	0.100	0.090 - 0.110	0.1003	0.0995	0.0008	0.0999
200	0.200	0.180 - 0.220	0.2010	0.2006	0.0004	0.2008
300	0.300	0.270 - 0.330	0.3003	0.3000	0.0003	0.3001
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4994	0.4999	0.0005	0.4996

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_31.05.2020_01.18.35\5-31-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_31.05.2020_01.18.35\5-31-2020.S
Data directory path: C:\Chem32\1\Data\5-31-20jj
Logbook: C:\Chem32\1\Data\5-31-20jj\5-31-2020.LOG
Sequence start: 5/31/2020 1:32:18 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	C2020-0946-1-A	-	1.0000	008F0801.D		4
9	9	1	C2020-0946-1-B	-	1.0000	009F0901.D		4
10	10	1	C2020-0968-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-0968-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-0991-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-0991-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-0992-1-A	-	1.0000	014F1401.D		4
15	15	1	C2020-0992-1-B	-	1.0000	015F1501.D		4
16	16	1	C2020-0999-1-A	-	1.0000	016F1601.D		4
17	17	1	C2020-0999-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-1002-1-A	-	1.0000	018F1801.D		4
19	19	1	C2020-1002-1-B	-	1.0000	019F1901.D		4
20	20	1	C2020-1030-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-1030-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-1031-1-A	-	1.0000	022F2201.D		4
23	23	1	C2020-1031-1-B	-	1.0000	023F2301.D		4
24	24	1	QC-2(1)-A	-	1.0000	024F2401.D		4
25	25	1	QC-2(1)-B	-	1.0000	025F2501.D		4
26	26	1	ISTD BLANK-2	-	1.0000	026F2601.D		2
27	27	1	water-2	-	1.0000	027F2701.D		0
28	28	1	0.05 CHECK	-	1.0000	028F2801.D		4
29	29	1	0.100 CHECK	-	1.0000	029F2901.D		4
30	30	1	0.200 CHECK	-	1.0000	030F3001.D		4
31	31	1	0.300 CHECK	-	1.0000	031F3101.D		4
32	32	1	0.500 CHECK	-	1.0000	032F3201.D		4

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Calibration Table

General Calibration Setting

Calib. Data Modified : Sunday, May 31, 2020 1:16:42 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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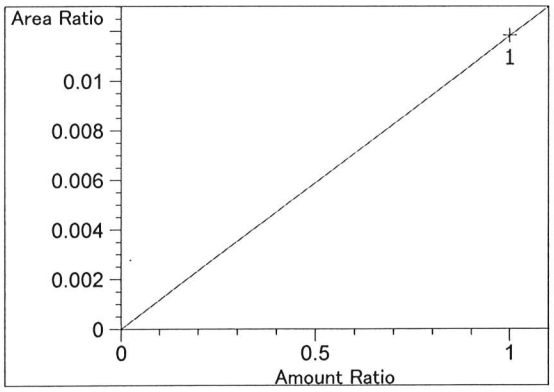
RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
1.977	2	1	1.00000	1.06794	9.36380e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.109	1	1	5.00000e-2	8.95644	5.58257e-3	No	No	1	Ethanol
		2	1.00000e-1	17.97128	5.56443e-3				
		3	2.00000e-1	35.82807	5.58222e-3				
		4	3.00000e-1	54.45925	5.50871e-3				
		5	5.00000e-1	89.91124	5.56104e-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
4.181	2	1	5.00000e-2	8.94641	5.58883e-3	No	No	2	Ethanol
		2	1.00000e-1	17.97812	5.56232e-3				
		3	2.00000e-1	35.96552	5.56088e-3				
		4	3.00000e-1	54.67428	5.48704e-3				
		5	5.00000e-1	90.19679	5.54343e-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
4.943	1	1	1.00000	93.16283	1.07339e-2	No	Yes	1	n-Propanol
		2	1.00000	92.58790	1.08005e-2				
		3	1.00000	92.07500	1.08607e-2				
		4	1.00000	93.68510	1.06741e-2				
		5	1.00000	93.00353	1.07523e-2				
7.622	2	1	1.00000	90.25261	1.10800e-2	No	Yes	2	n-Propanol
		2	1.00000	89.55220	1.11667e-2				
		3	1.00000	88.86015	1.12536e-2				
		4	1.00000	90.32391	1.10713e-2				
		5	1.00000	89.43030	1.11819e-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: 1.18328e-2
x: Amount Ratio
y: Area Ratio

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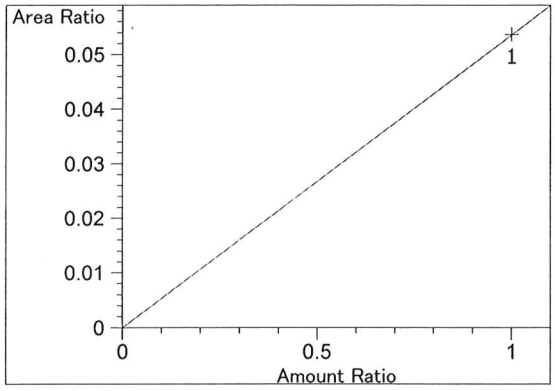
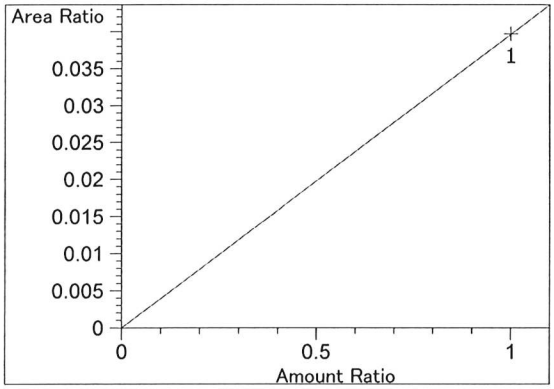
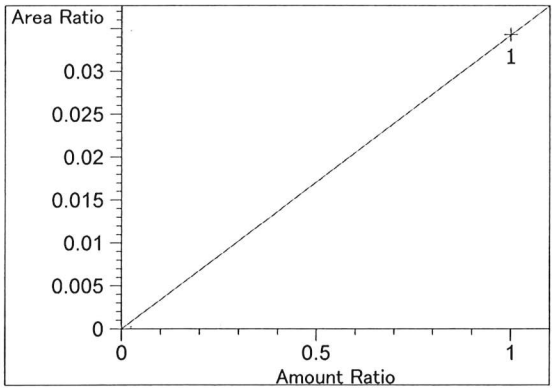


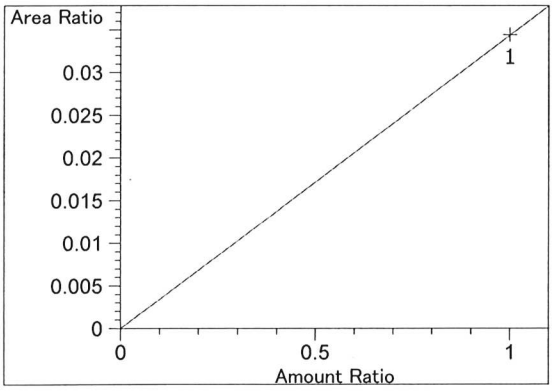
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.36695e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.96799e-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: 3.42745e-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: 3.44117e-2
x: Amount Ratio
y: Area Ratio

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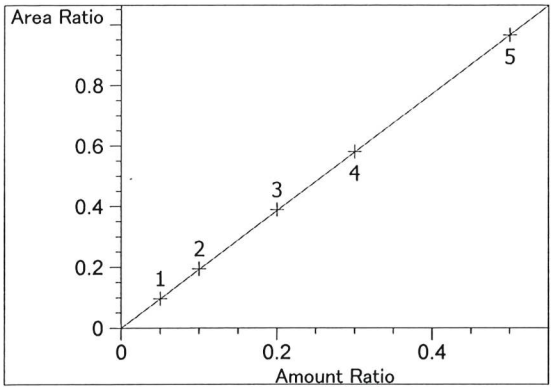
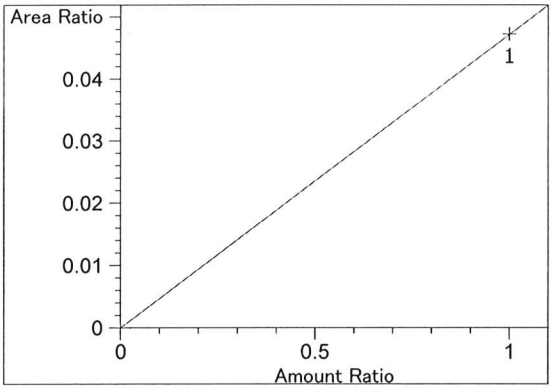
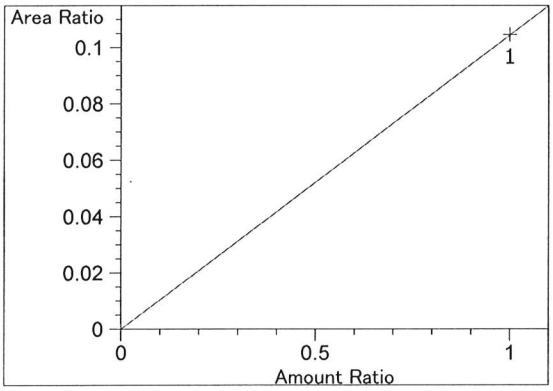


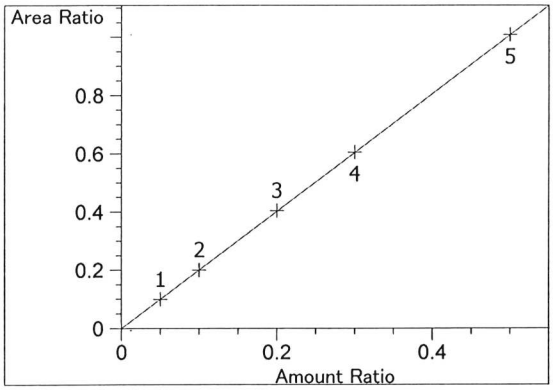
Ethanol at exp. RT: 3.109
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00124
Formula: y = mx
m: 1.93581
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.72078e-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: 1.04447e-1
x: Amount Ratio
y: Area Ratio



Ethanol at exp. RT: 4.181
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00119
Formula: y = mx
m: 2.01748
x: Amount Ratio
y: Area Ratio

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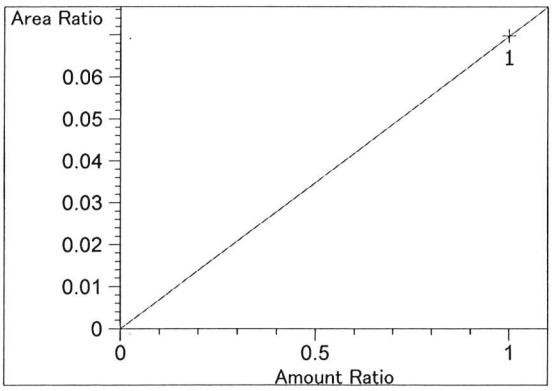
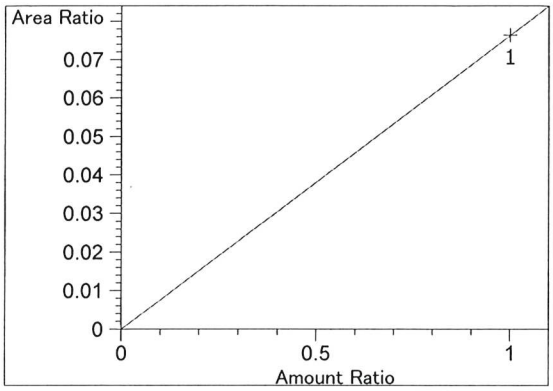
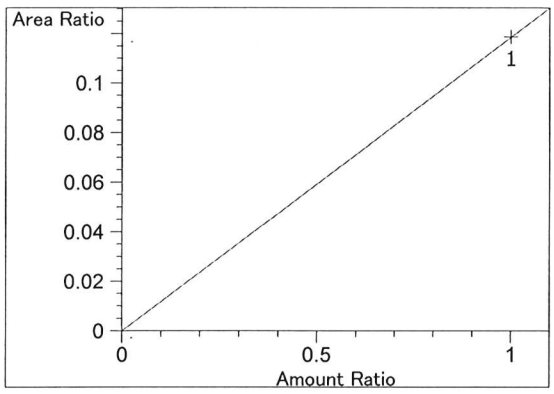


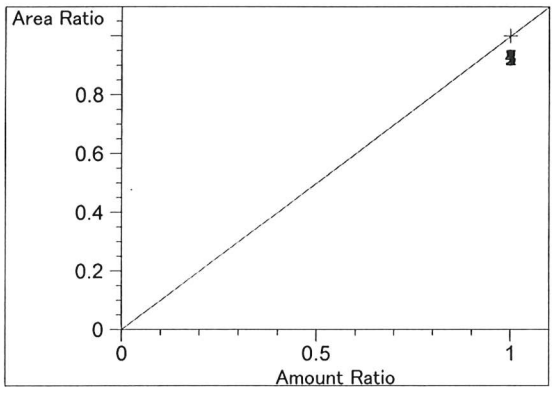
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.97639e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.63746e-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: 1.18627e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.943
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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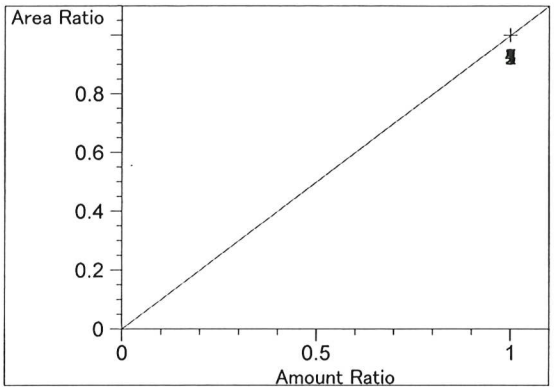

n-Propanol at exp. RT: 7.622
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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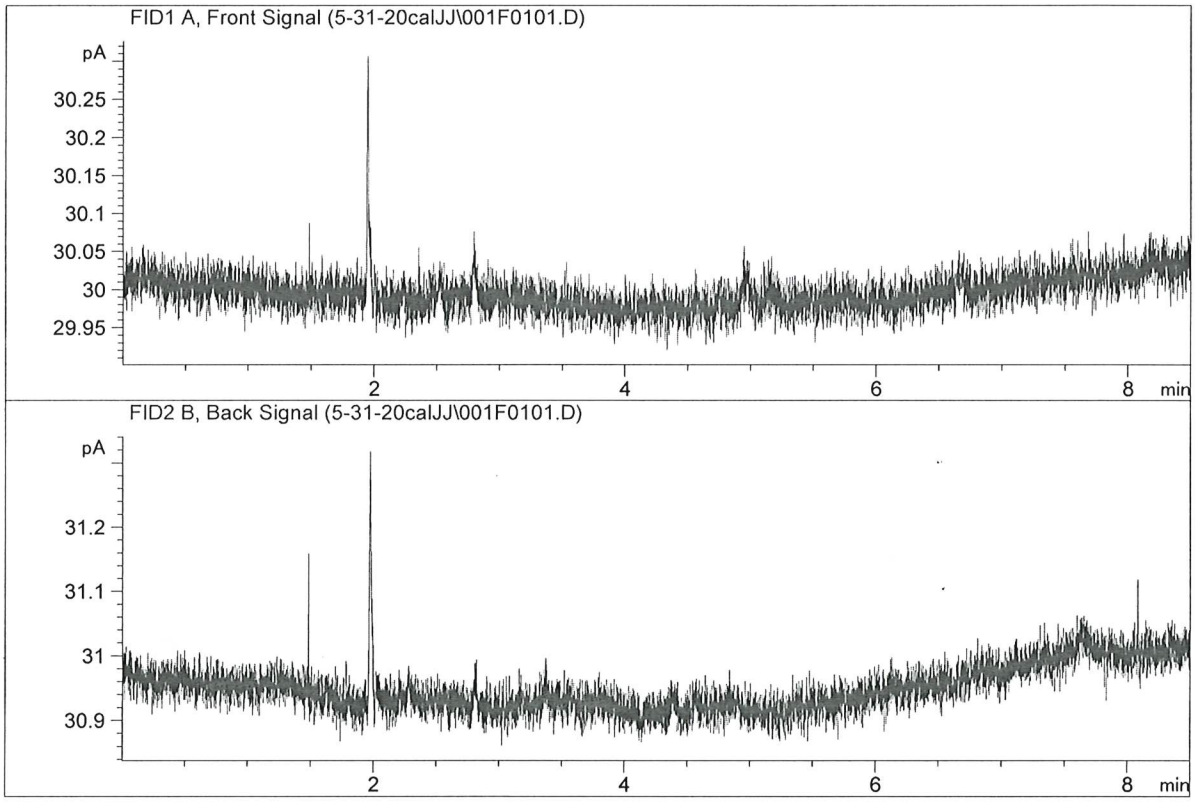
ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : May 31, 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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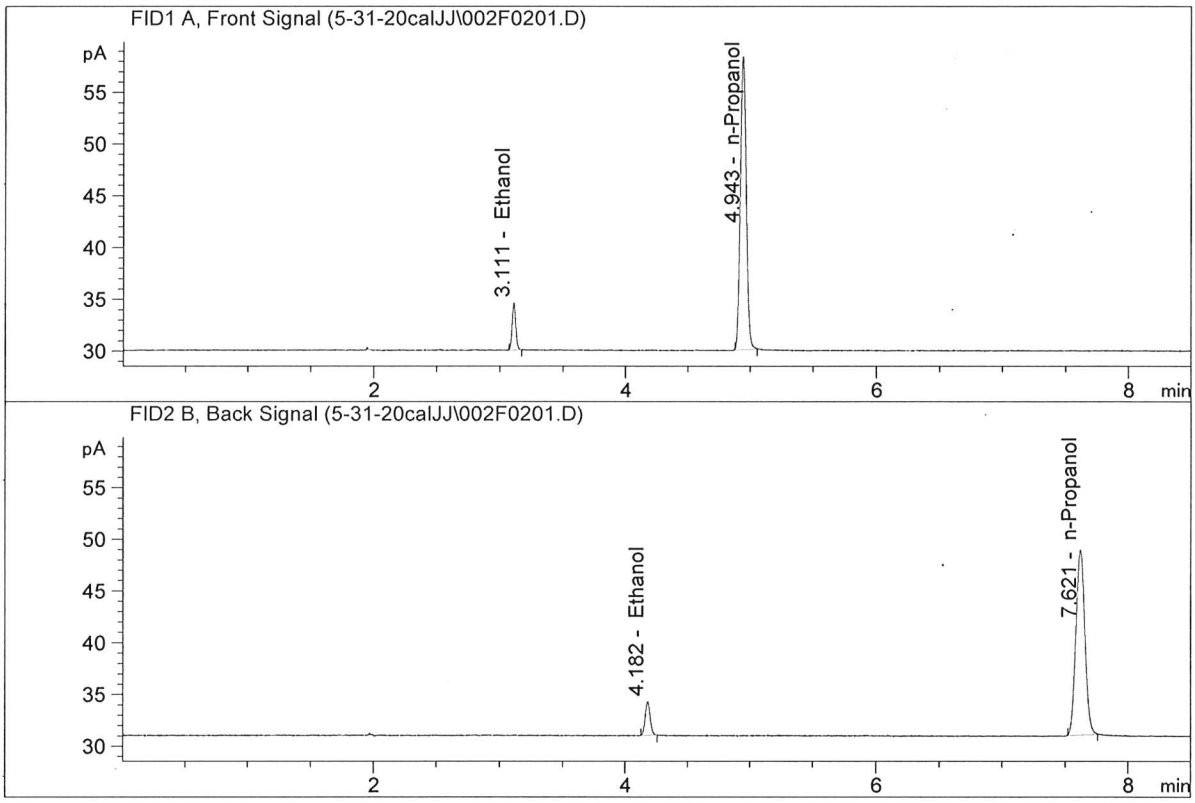
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.95644	0.0497	g/100cc
2.	Ethanol	Column 2:	8.94641	0.0491	g/100cc
3.	n-Propanol	Column 1:	93.16283	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.25261	1.0000	g/100cc

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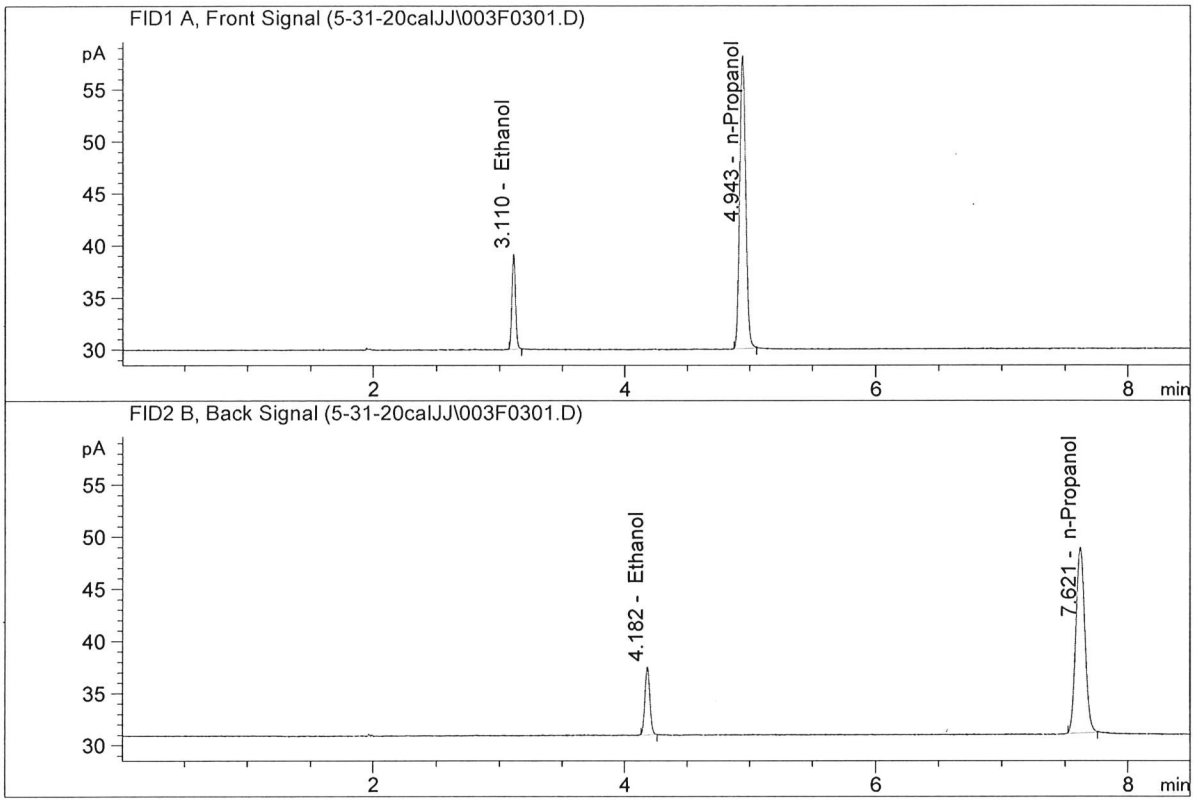
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.97128	0.1003	g/100cc
2.	Ethanol	Column 2:	17.97812	0.0995	g/100cc
3.	n-Propanol	Column 1:	92.58790	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.55220	1.0000	g/100cc

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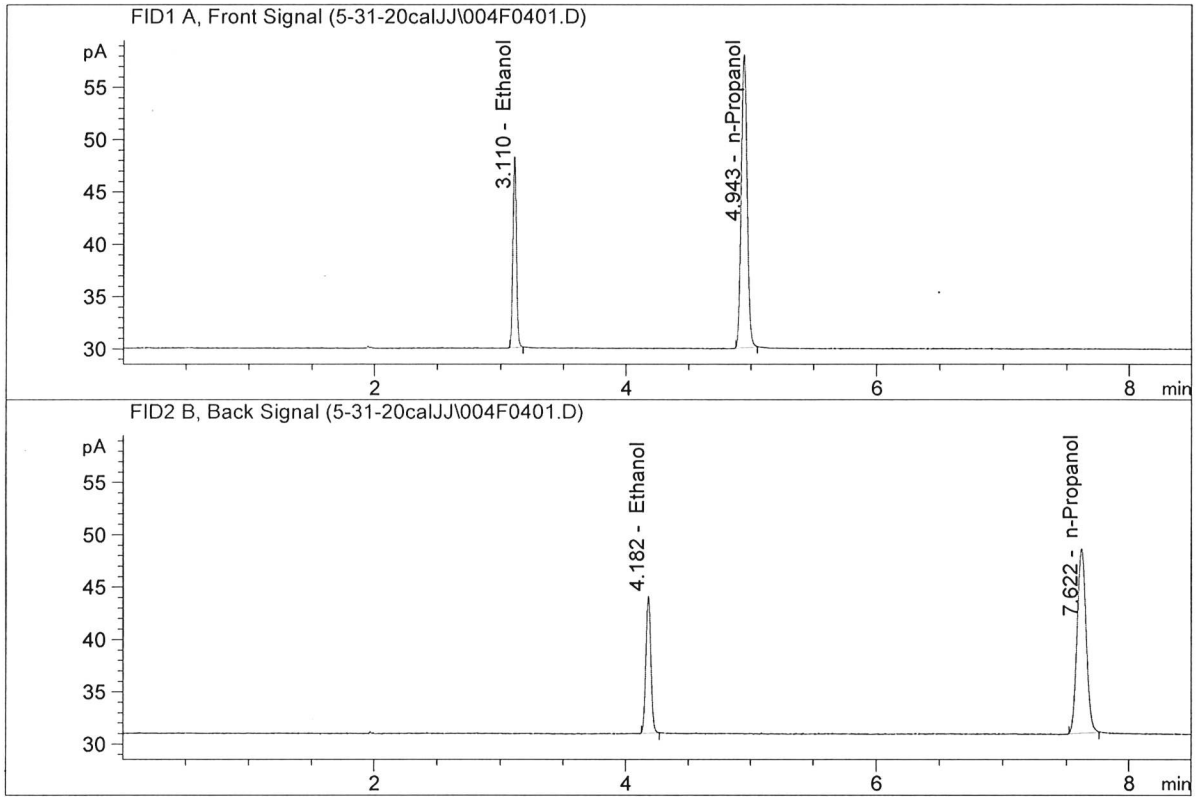
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.82807	0.2010	g/100cc
2.	Ethanol	Column 2:	35.96552	0.2006	g/100cc
3.	n-Propanol	Column 1:	92.07500	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.86015	1.0000	g/100cc

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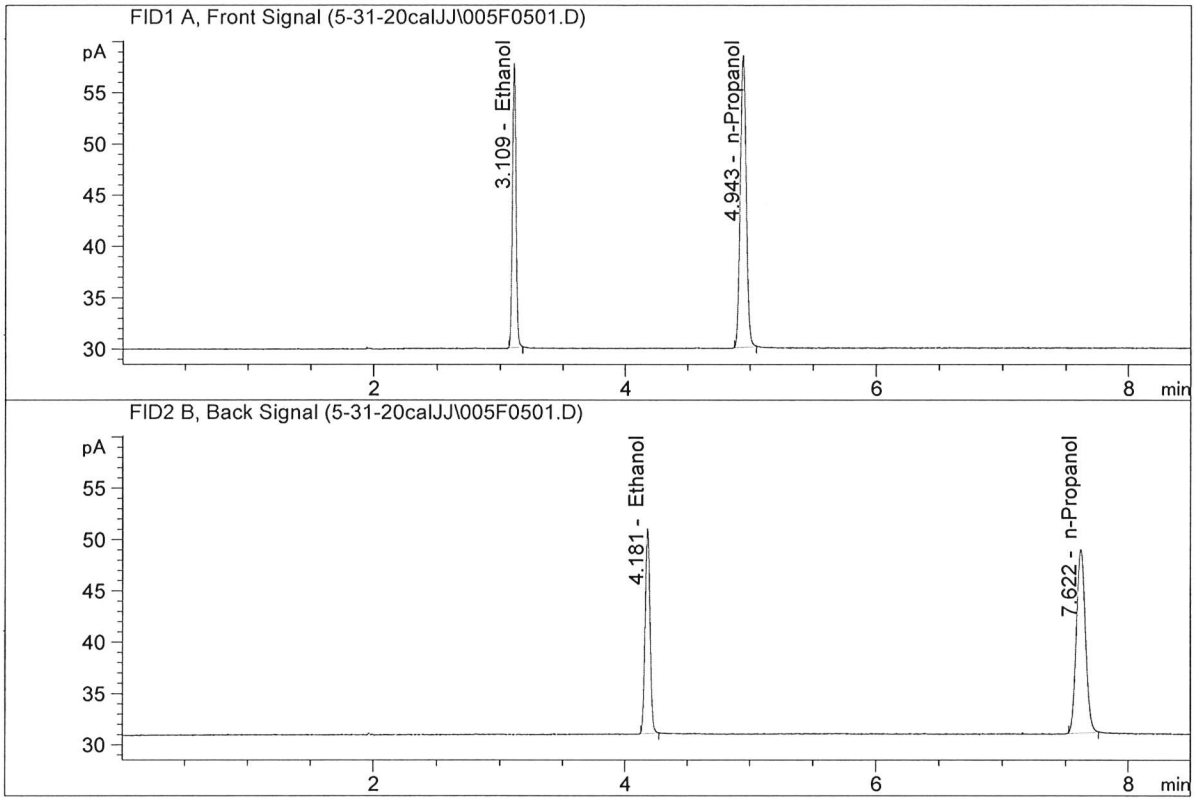
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.45925	0.3003	g/100cc
2.	Ethanol	Column 2:	54.67428	0.3000	g/100cc
3.	n-Propanol	Column 1:	93.68510	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.32391	1.0000	g/100cc

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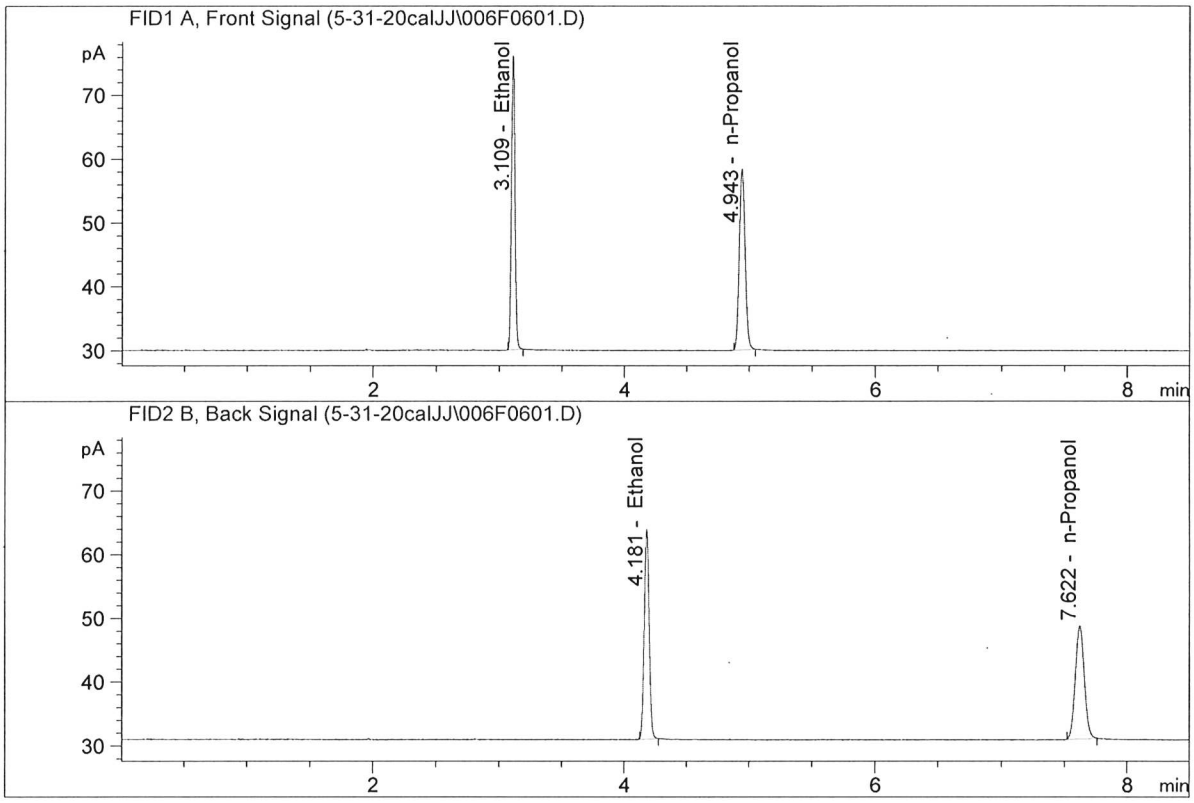
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	89.91124	0.4994	g/100cc
2.	Ethanol	Column 2:	90.19679	0.4999	g/100cc
3.	n-Propanol	Column 1:	93.00353	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.43030	1.0000	g/100cc

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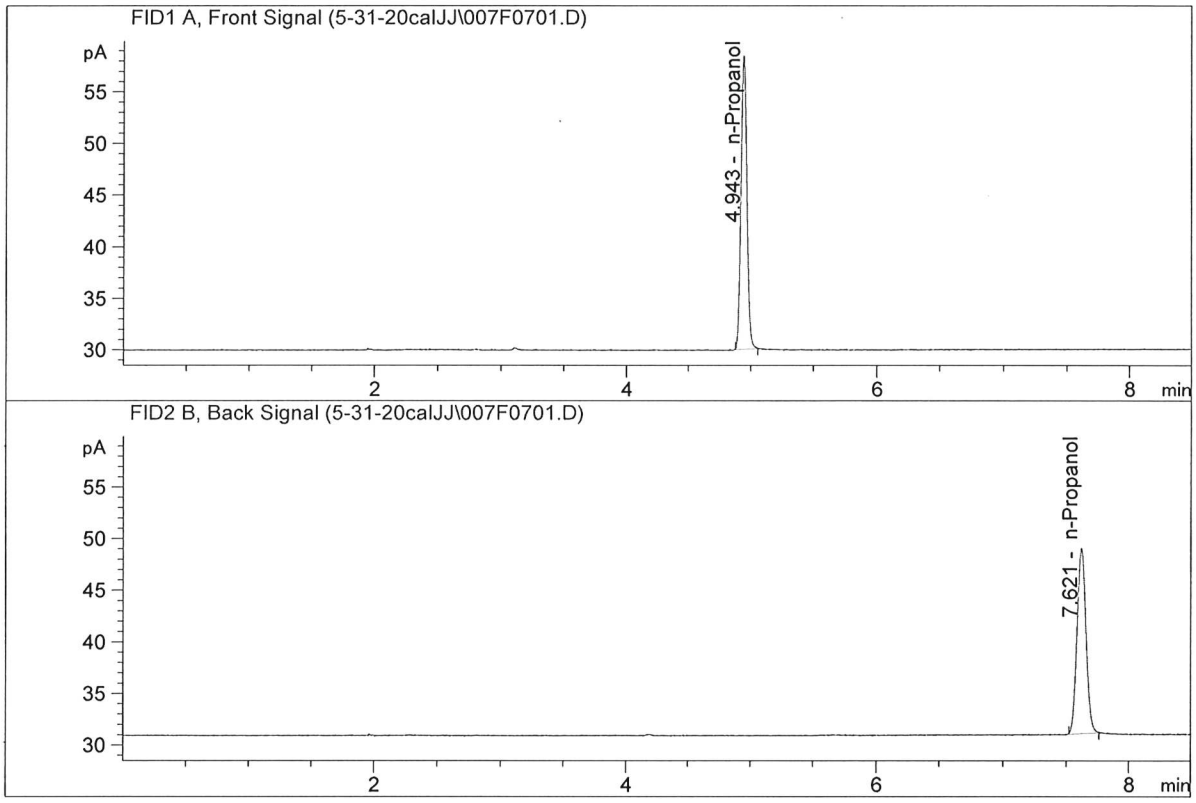
ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : May 31, 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:	93.31607	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.19881	1.0000	g/100cc

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_31.05.2020_11.40.33\5-31-20cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_31.05.2020_11.40.33\5-31-20cal.S
Data directory path: C:\Chem32\1\Data\5-31-20calJJ
Logbook: C:\Chem32\1\Data\5-31-20calJJ\5-31-20cal.LOG
Sequence start: 5/31/2020 11:54:18 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

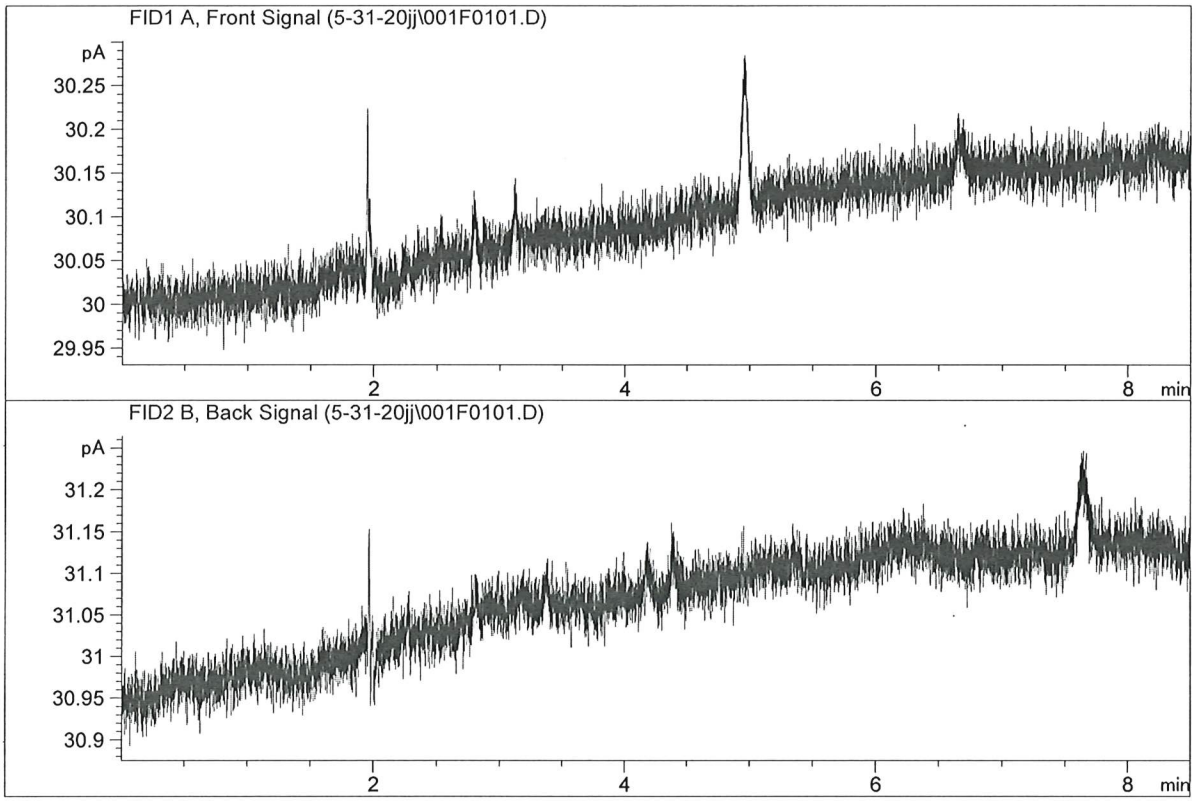
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

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	blank	-	1.0000	007F0701.D		2

99

ISP Forensic Services Blood Alcohol Report

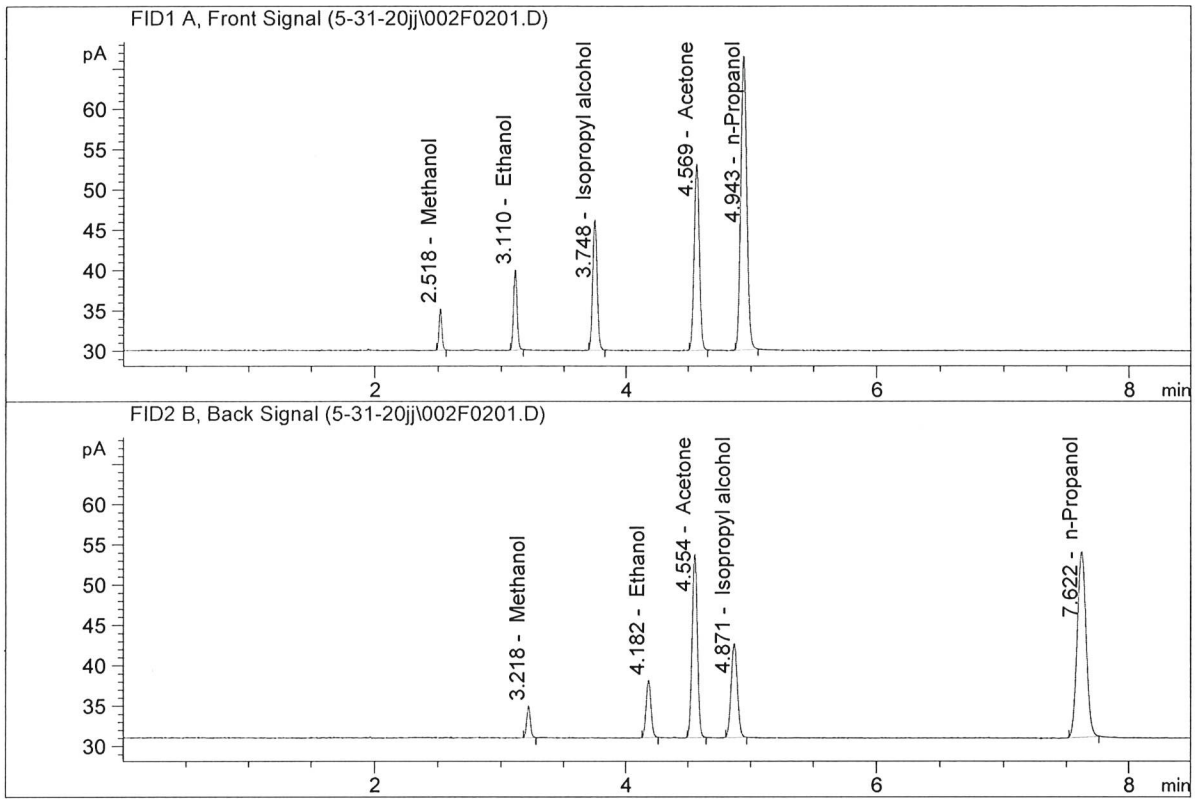
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

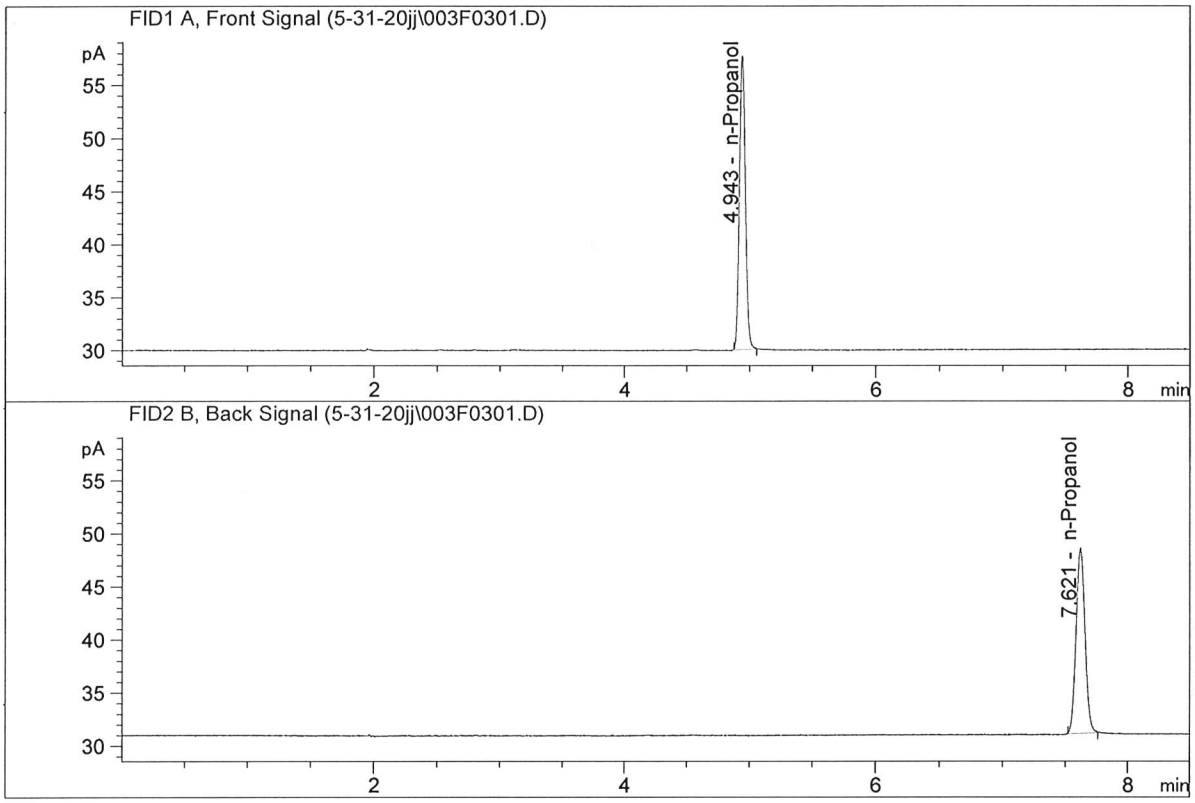
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.51800	0.0847	g/100cc
2.	Ethanol	Column 2:	19.52291	0.0836	g/100cc
3.	n-Propanol	Column 1:	119.08755	1.0000	g/100cc
4.	n-Propanol	Column 2:	115.77052	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : May 31, 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:	90.88826	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.93625	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 31 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0772	0.0766	0.0006	0.0769	0.0003	0.0767
(g/100cc)	0.0772	0.0761	0.0011	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
0.076	**0.072**	**0.080**	**0.004**

Reported Result

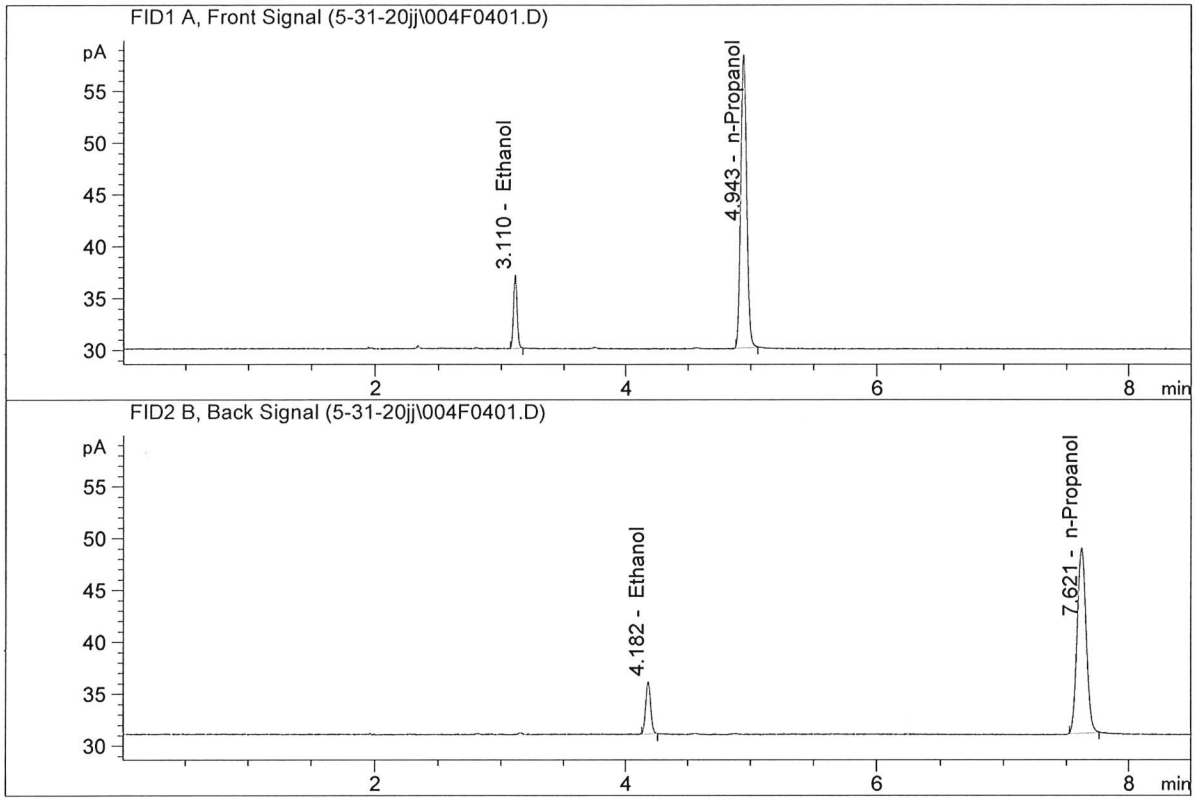
0.076

Calibration and control data are stored centrally.

99

ISP Forensic Services Blood Alcohol Report

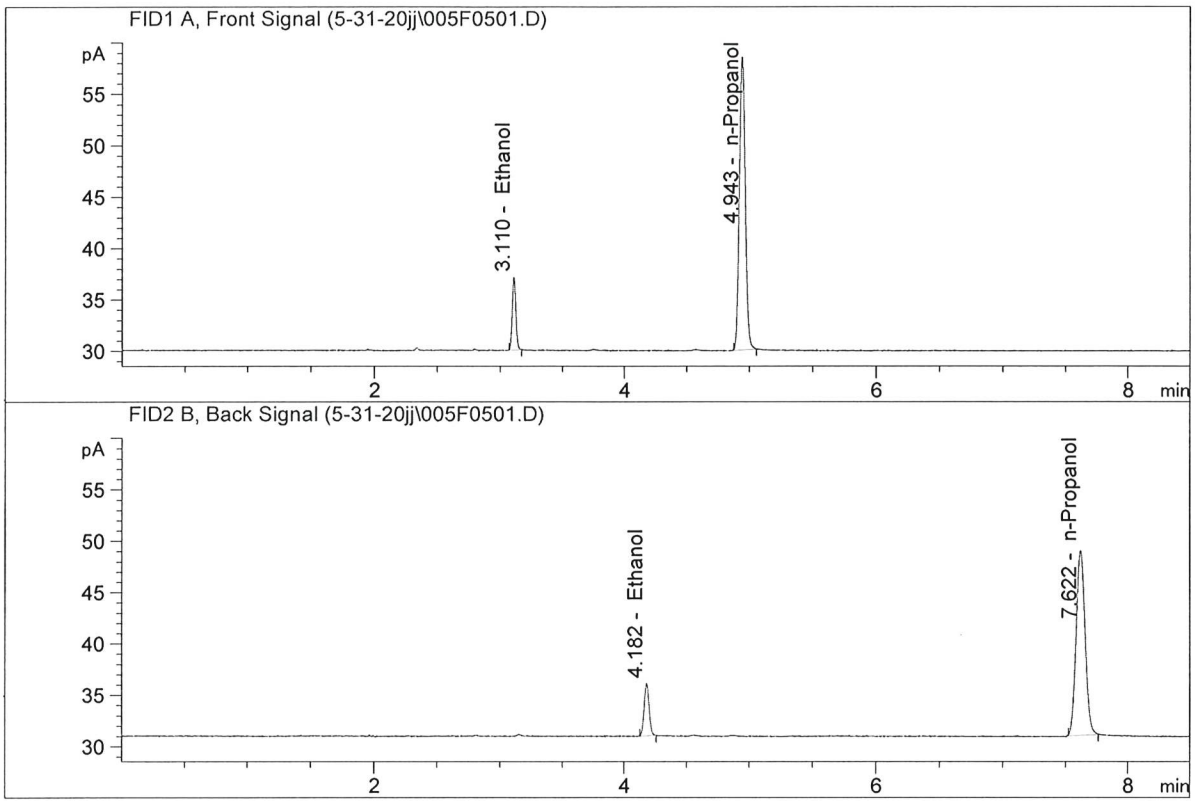
Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.88048	0.0772	g/100cc
2.	Ethanol	Column 2:	13.91205	0.0766	g/100cc
3.	n-Propanol	Column 1:	92.88947	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.97144	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.98739	0.0772	g/100cc
2.	Ethanol	Column 2:	13.93441	0.0761	g/100cc
3.	n-Propanol	Column 1:	93.61187	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.76152	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 31 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0811	0.0803	0.0008	0.0807	0.0010	0.0802
(g/100cc)	0.0797	0.0797	0.0000	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

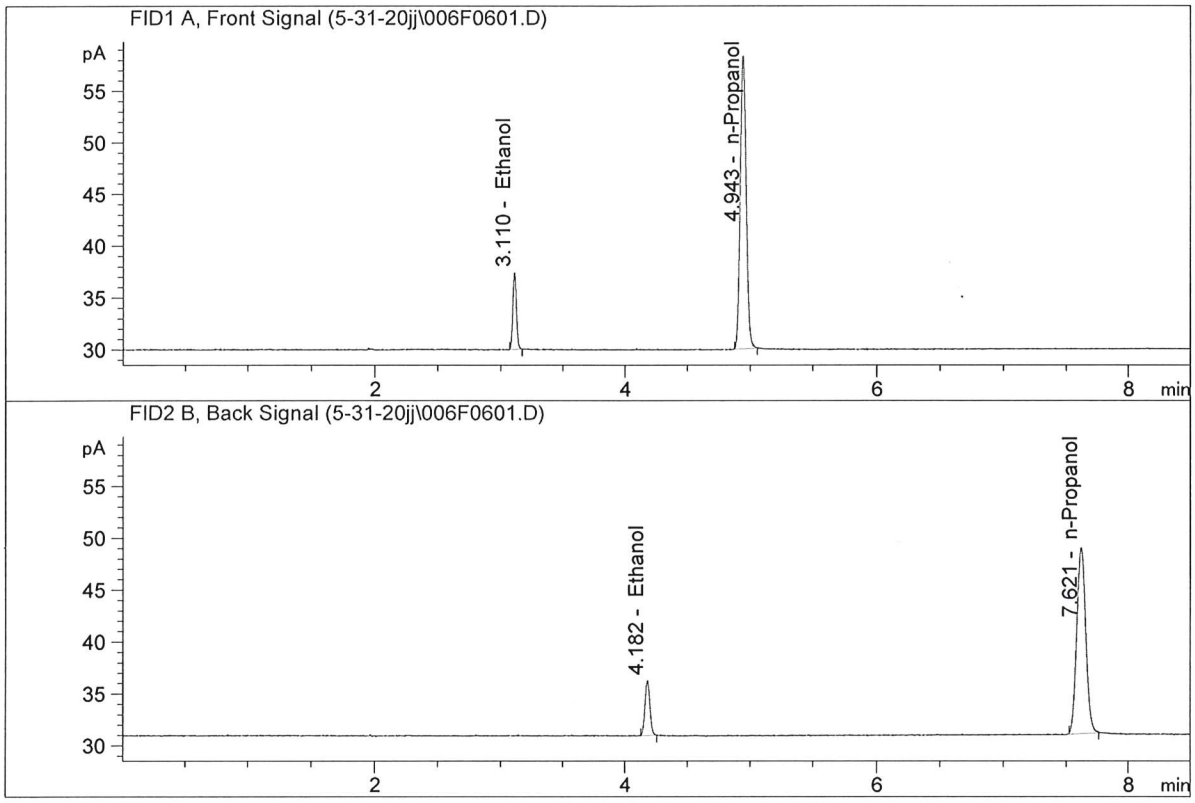
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

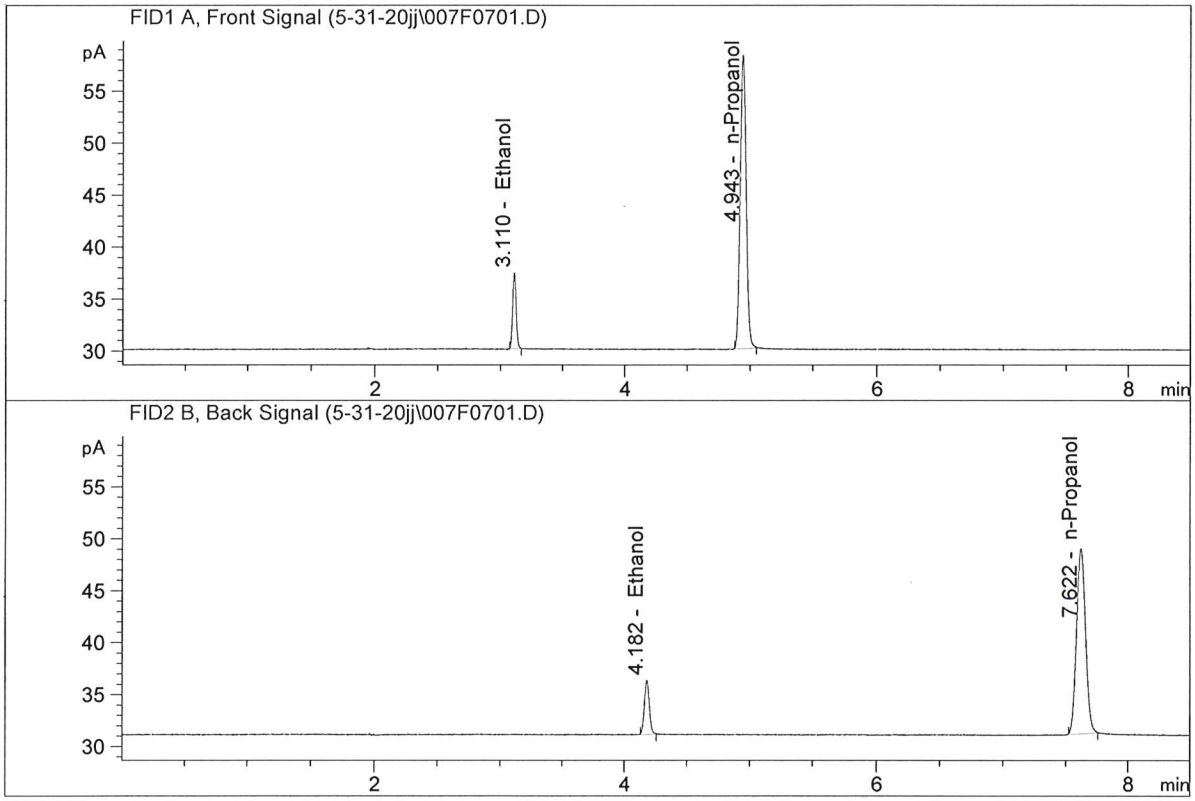


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.59977	0.0811	g/100cc
2.	Ethanol	Column 2:	14.58305	0.0803	g/100cc
3.	n-Propanol	Column 1:	92.99659	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.96109	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.29927	0.0797	g/100cc
2.	Ethanol	Column 2:	14.41291	0.0797	g/100cc
3.	n-Propanol	Column 1:	92.63902	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.68399	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 31 May 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1978	0.1969	0.0009	0.1973	0.0015	0.1981
(g/100cc)	0.1993	0.1984	0.0009	0.1988		

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**

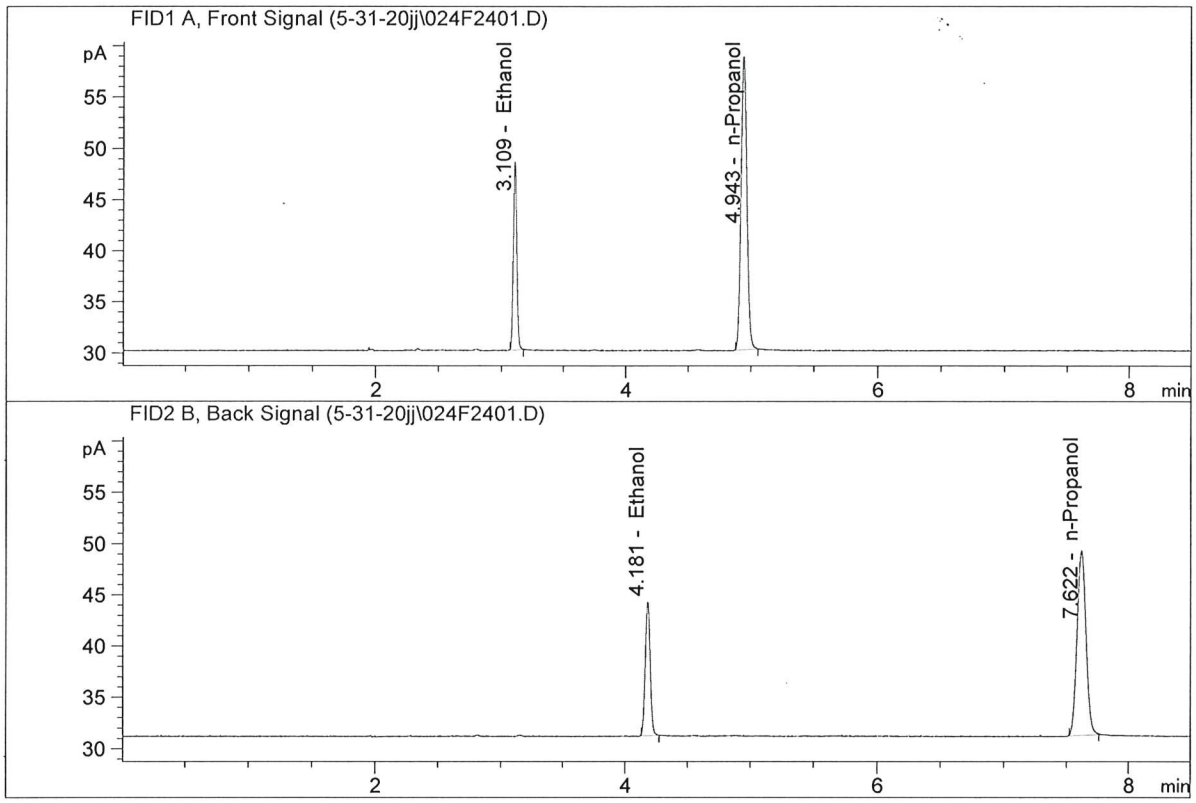
Reported Result

0.198

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

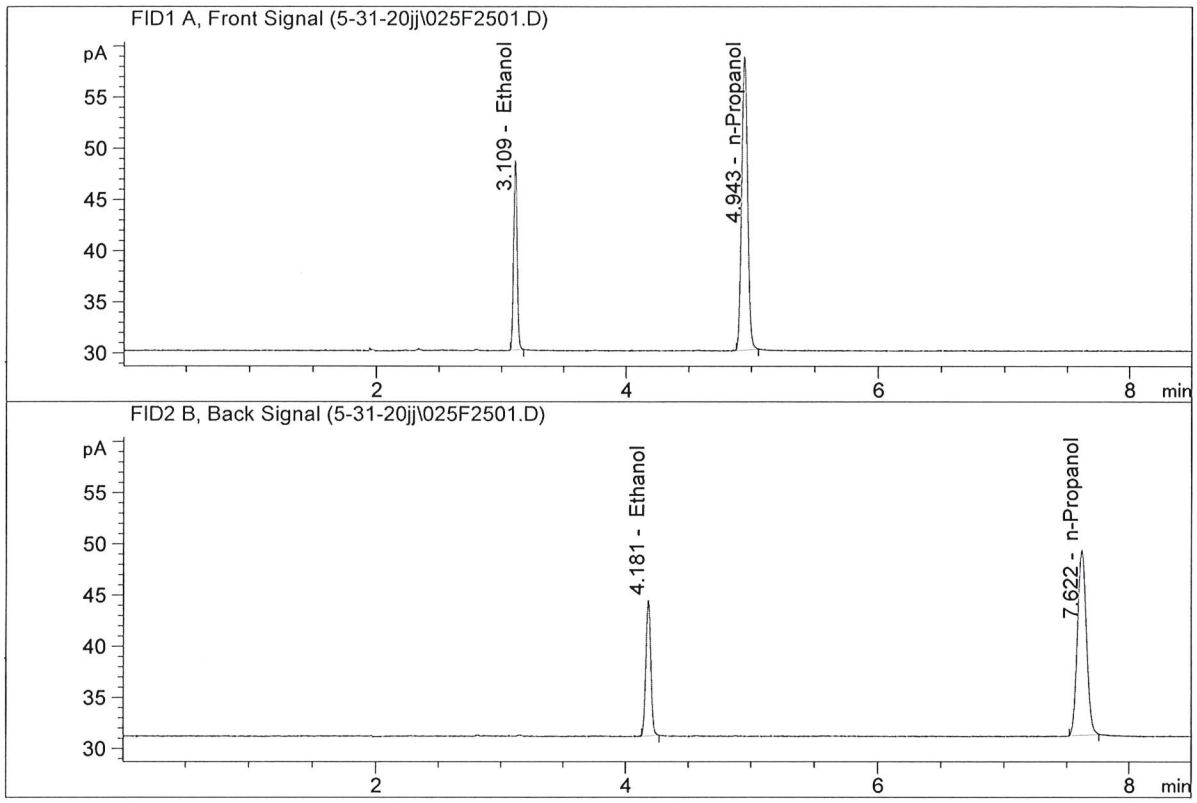


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.02095	0.1978	g/100cc
2.	Ethanol	Column 2:	36.06114	0.1969	g/100cc
3.	n-Propanol	Column 1:	94.08472	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.77829	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

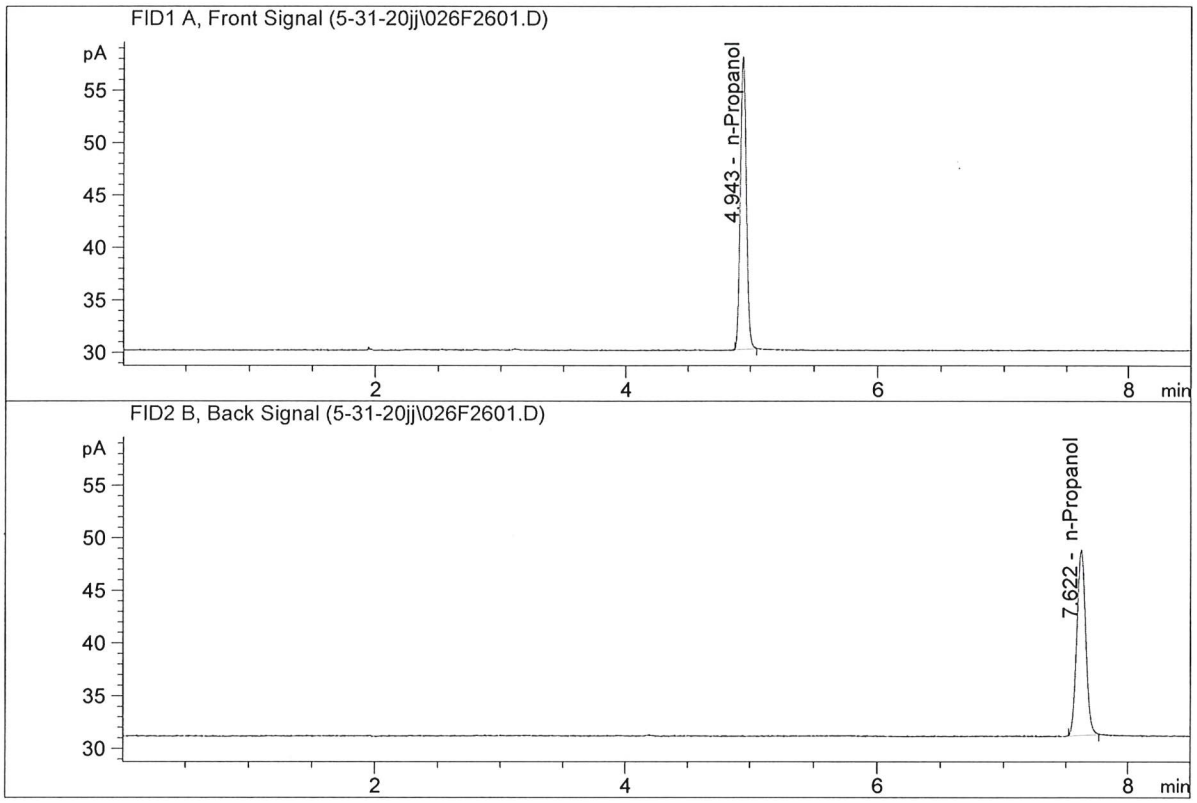


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.37951	0.1993	g/100cc
2.	Ethanol	Column 2:	36.39520	0.1984	g/100cc
3.	n-Propanol	Column 1:	94.28717	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.92138	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : May 31, 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:	91.54604	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.66466	1.0000	g/100cc

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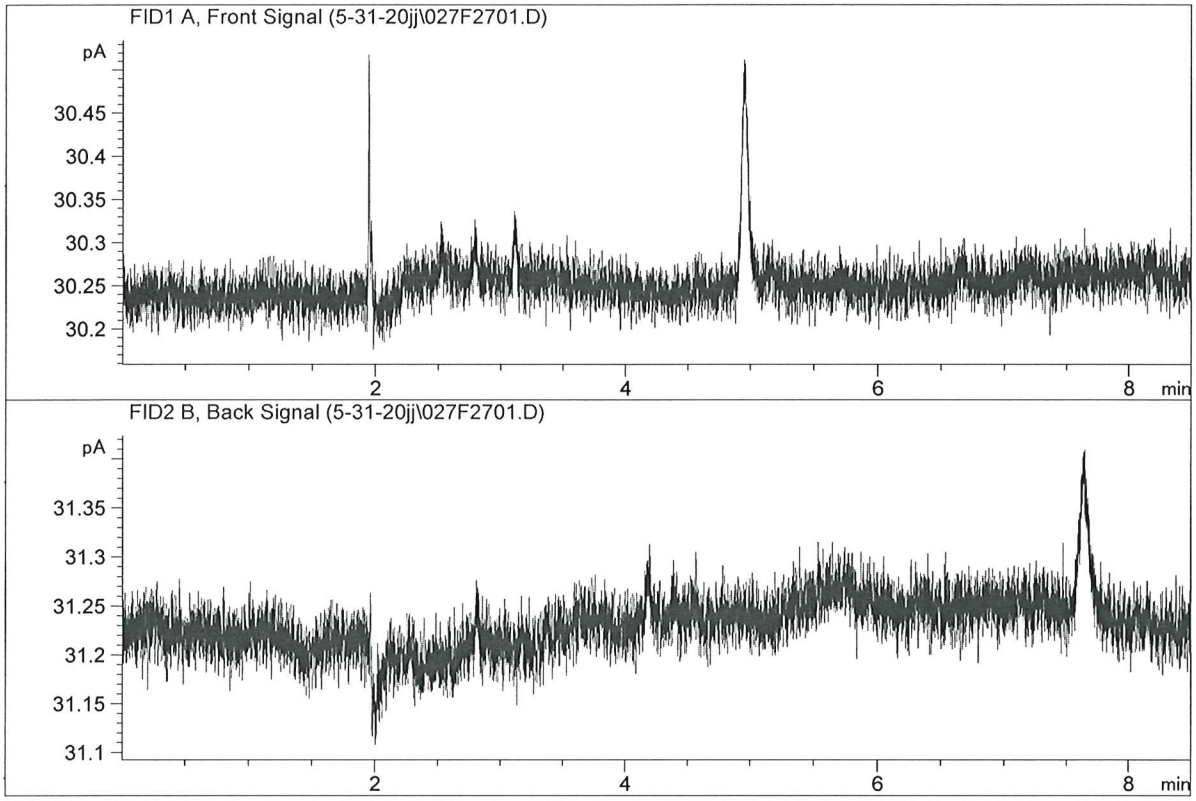
ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

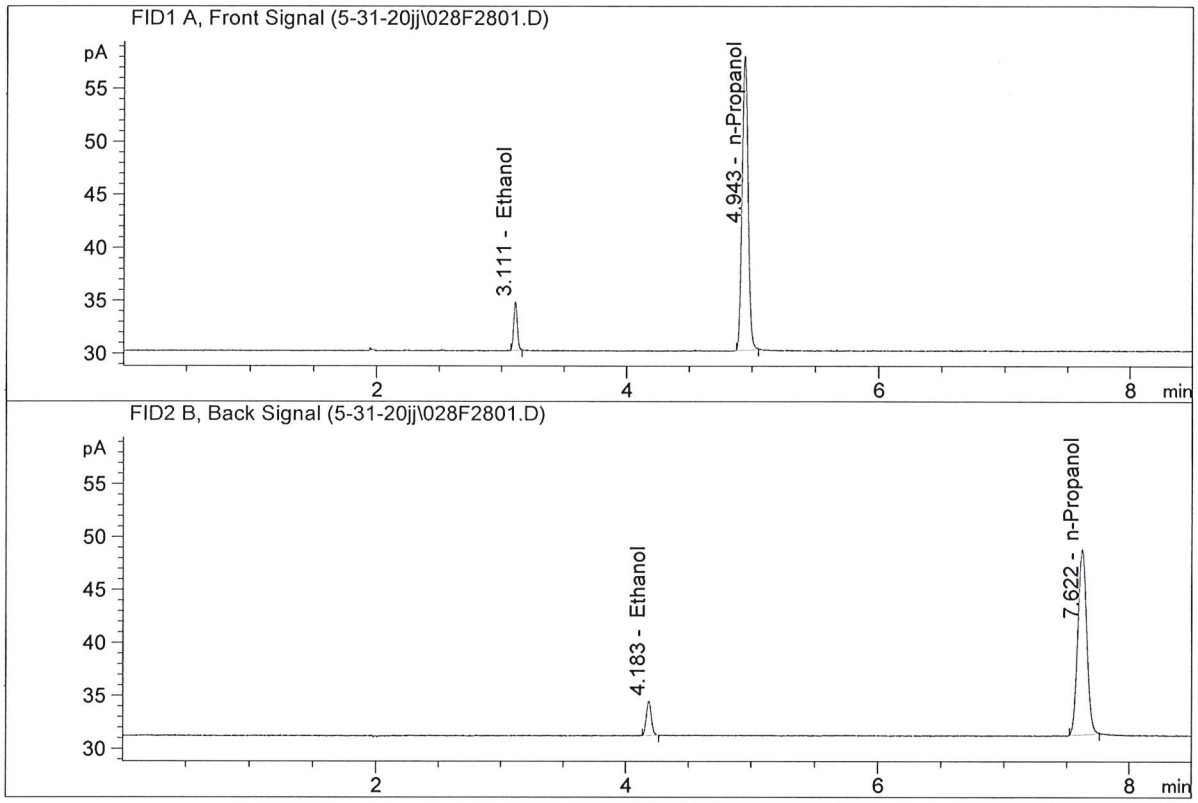


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

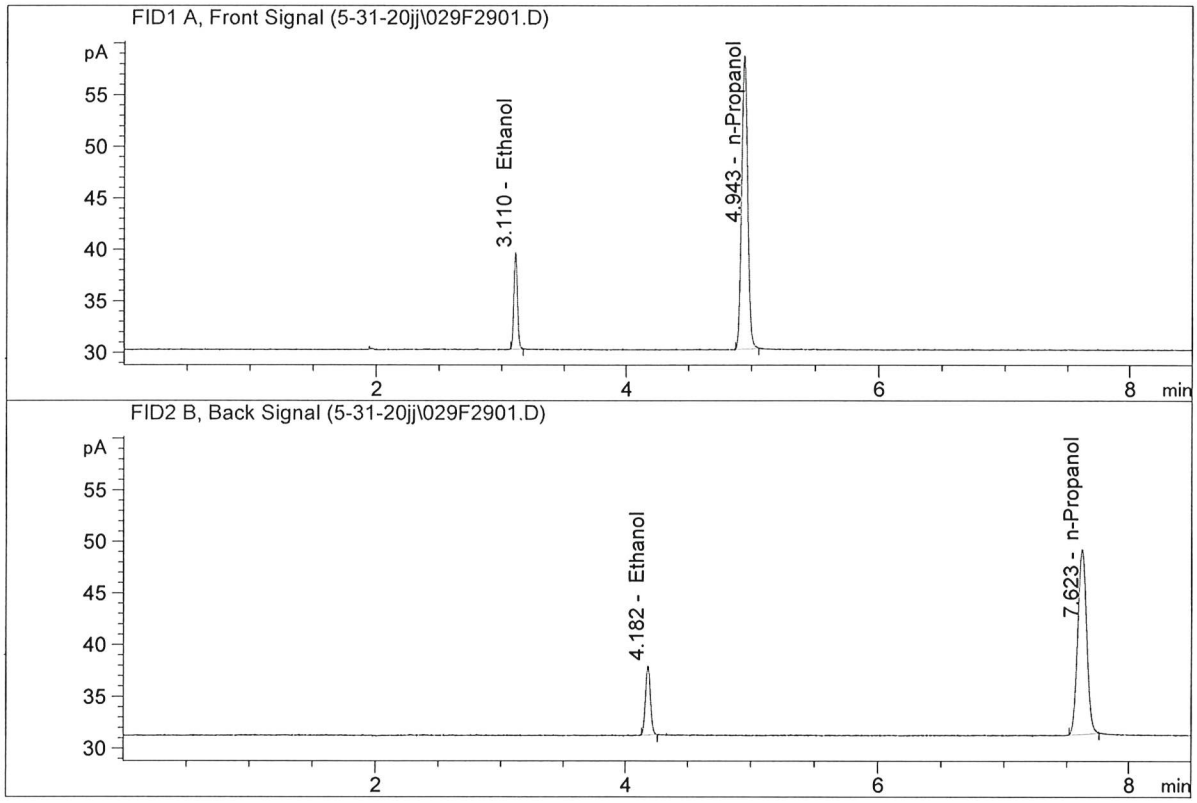
Sample Name : 0.05 CHECK
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.03751	0.0512	g/100cc
2.	Ethanol	Column 2:	8.98211	0.0505	g/100cc
3.	n-Propanol	Column 1:	91.20735	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.08714	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

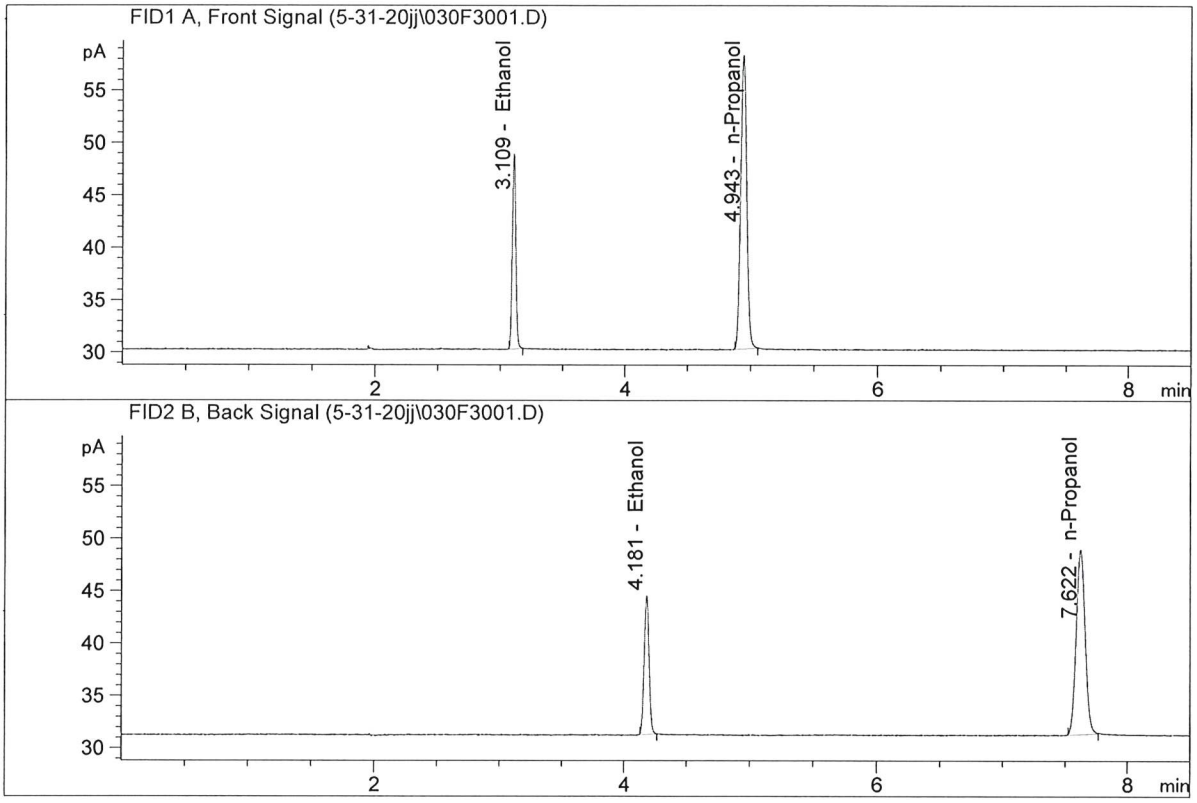
Sample Name : 0.100 CHECK
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.42128	0.1019	g/100cc
2.	Ethanol	Column 2:	18.33600	0.1008	g/100cc
3.	n-Propanol	Column 1:	93.38719	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.12579	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

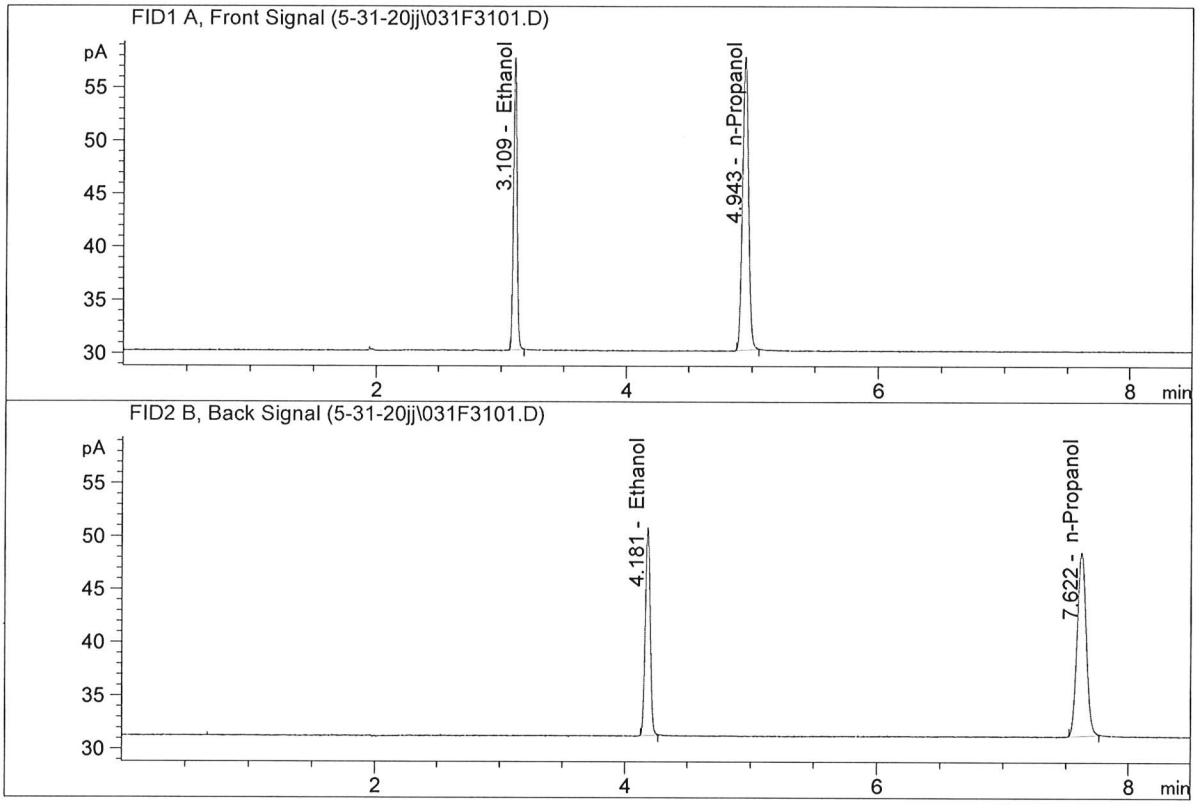
Sample Name : 0.200 CHECK
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.49109	0.2044	g/100cc
2.	Ethanol	Column 2:	36.39232	0.2030	g/100cc
3.	n-Propanol	Column 1:	92.20997	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.87759	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 CHECK
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

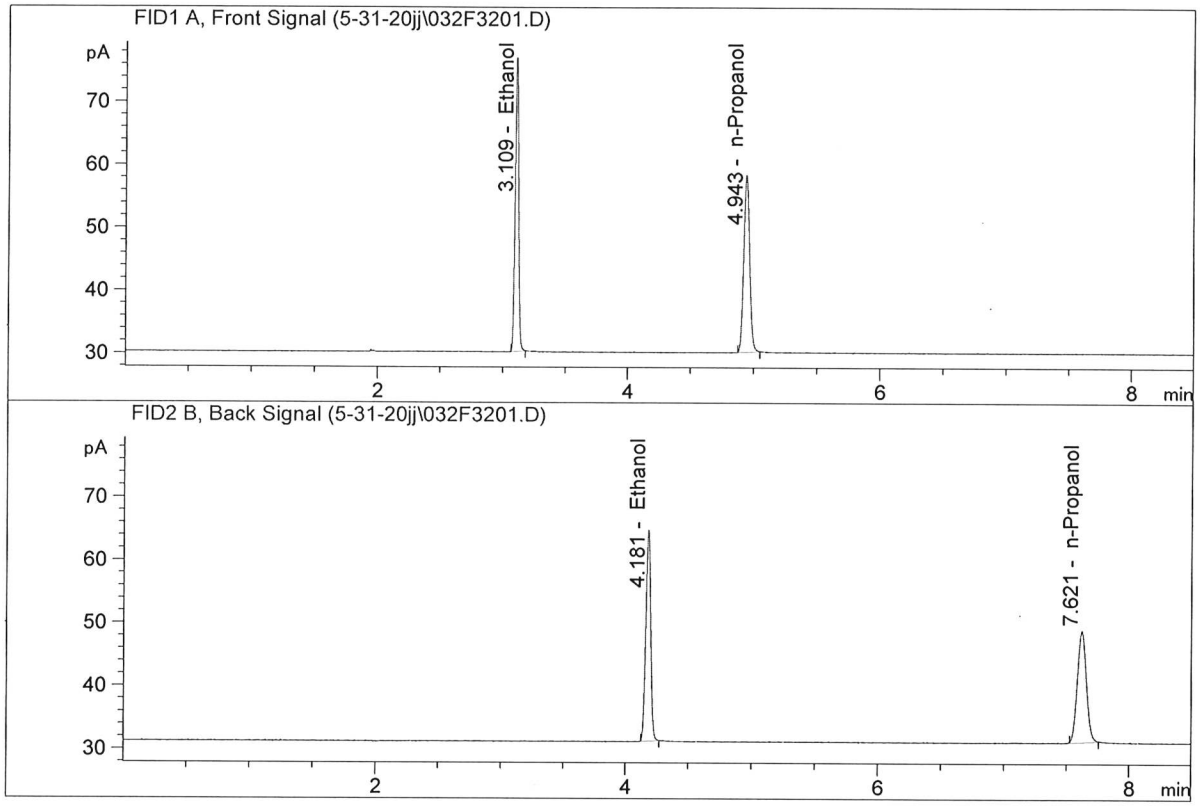


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	53.82040	0.3070	g/100cc
2.	Ethanol	Column 2:	53.70264	0.3052	g/100cc
3.	n-Propanol	Column 1:	90.56096	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.21037	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 CHECK
Laboratory : Coeur d' Alene
Injection Date : May 31, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	91.30092	0.5106	g/100cc
2.	Ethanol	Column 2:	91.59035	0.5127	g/100cc
3.	n-Propanol	Column 1:	92.36597	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.54821	1.0000	g/100cc

99