

**REVIEWED**

*By Anne Nord at 12:35 pm, May 21, 2020*

5/21/2020

**Worklist: 4255**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-0916	1	BCK	Alcohol Analysis



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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): 5-21-20

calibration run date: 5-17-20

worklist #4239

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0774 g/100cc
					g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1968 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture: Sep-20					OK
Curve Fit:			Column 1	Lot # 1.00000	Column 2 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	0.0503	0.0492	0.0011	0.0497
100	0.100	0.090 - 0.110	0.1004	0.0992	0.0012	0.0998
200	0.200	0.180 - 0.220	0.1991	0.1976	0.0015	0.1983
300	0.300	0.270 - 0.330	0.3015	0.3007	0.0008	0.3011
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.4993	0.5008	0.0015	0.5

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

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_21.05.2020\_09.42.11\5-21-2020.S  
 Data directory path: C:\Chem32\1\Data\5-21-20jj  
 Logbook: C:\Chem32\1\Data\5-21-20jj\5-21-2020.LOG  
 Sequence start: 5/21/2020 9:55:55 AM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

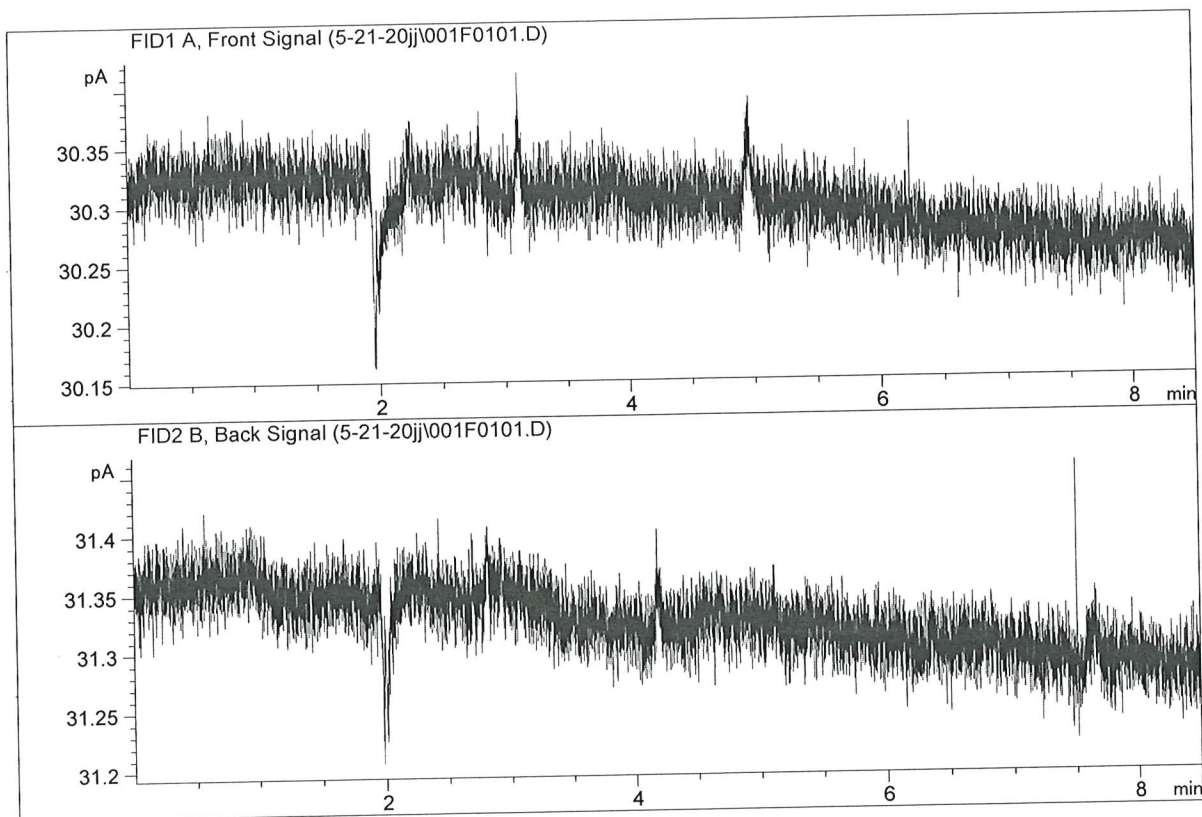
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
							Cmp
1	1	1	water-1	-	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	C2020-0916-A-2-A	-	1.0000	008F0801.D	4
9	9	1	C2020-0916-A-2-B	-	1.0000	009F0901.D	4
10	10	1	QC-2(1)-A	-	1.0000	010F1001.D	4
11	11	1	QC-2(1)-B	-	1.0000	011F1101.D	4
12	12	1	ISTD BLANK-2	-	1.0000	012F1201.D	2
13	13	1	water-2	-	1.0000	013F1301.D	0

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-1  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

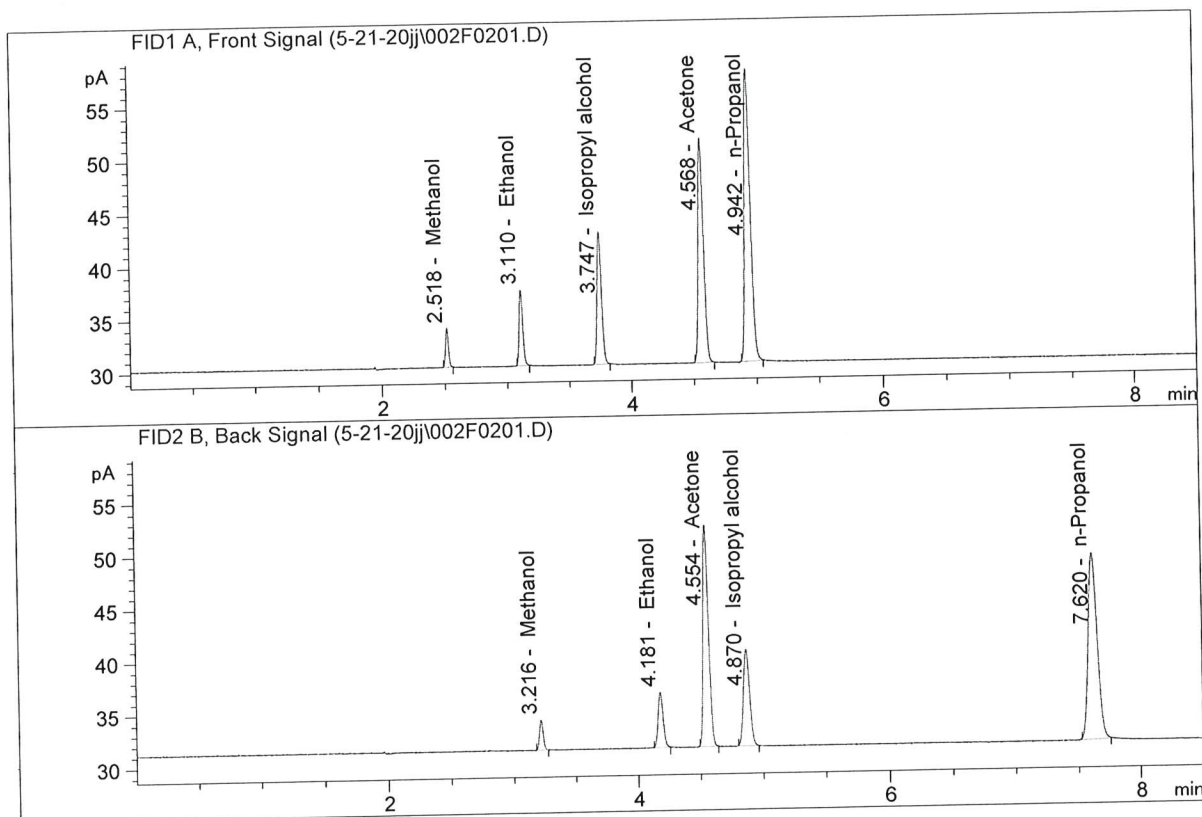


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

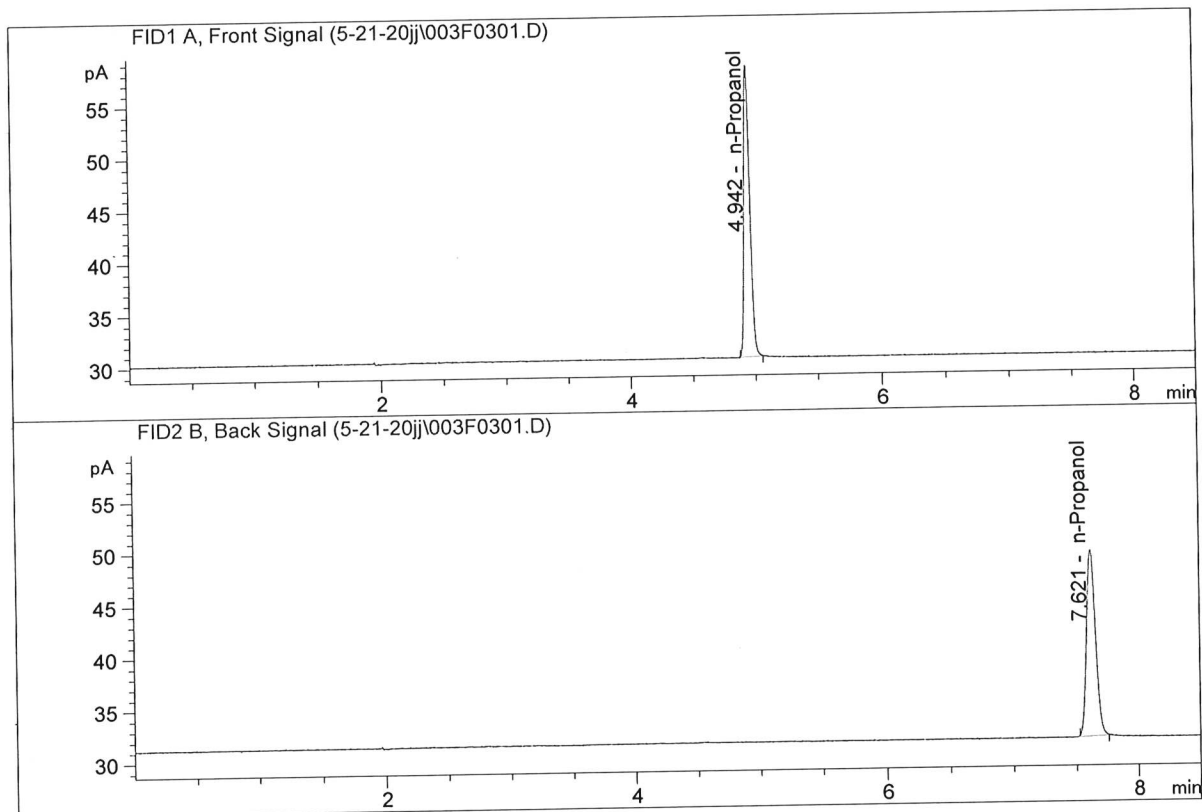
Sample Name : VOL MIX FN-06041502  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.34421	0.0803	g/100cc
2.	Ethanol	Column 2:	14.43238	0.0798	g/100cc
3.	n-Propanol	Column 1:	90.52208	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.77157	1.0000	g/100cc

# ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 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:	91.54984	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.57958	1.0000	g/100cc

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## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1)

Analysis Date(s): 21 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0762	0.0757	0.0005	0.0759	0.0031	0.0774
(g/100cc)	0.0791	0.0789	0.0002	0.0790		

**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

	<b>Reported Result</b>	
	0.077	

*Calibration and control data are stored centrally.*

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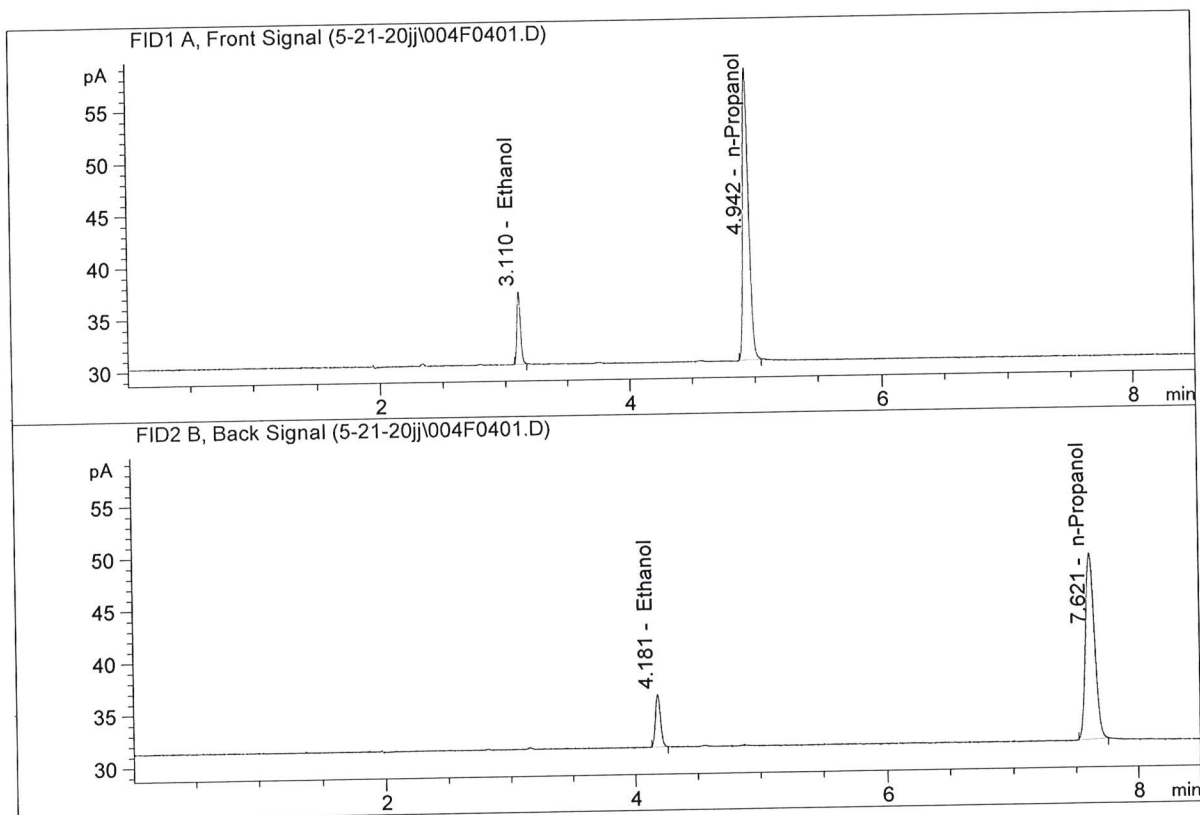
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



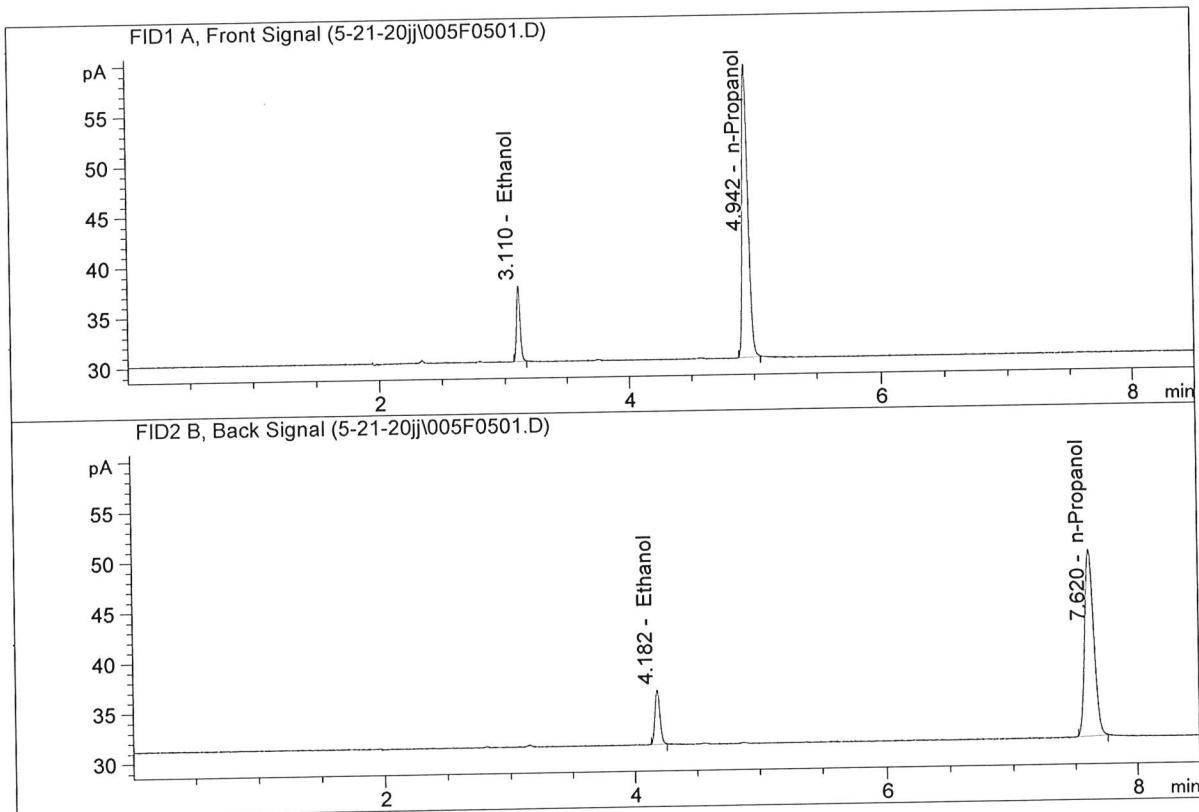
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.81506	0.0762	g/100cc
2.	Ethanol	Column 2:	13.86142	0.0757	g/100cc
3.	n-Propanol	Column 1:	91.87975	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.91470	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.91429	0.0791	g/100cc
2.	Ethanol	Column 2:	15.01881	0.0789	g/100cc
3.	n-Propanol	Column 1:	95.51984	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.45629	1.0000	g/100cc

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## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807

Analysis Date(s): 21 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0782	0.0778	0.0004	0.0780	0.0019	0.0789
(g/100cc)	0.0801	0.0798	0.0003	0.0799		

**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

	<b>Reported Result</b>	
	<b>0.078</b>	

*Calibration and control data are stored centrally.*

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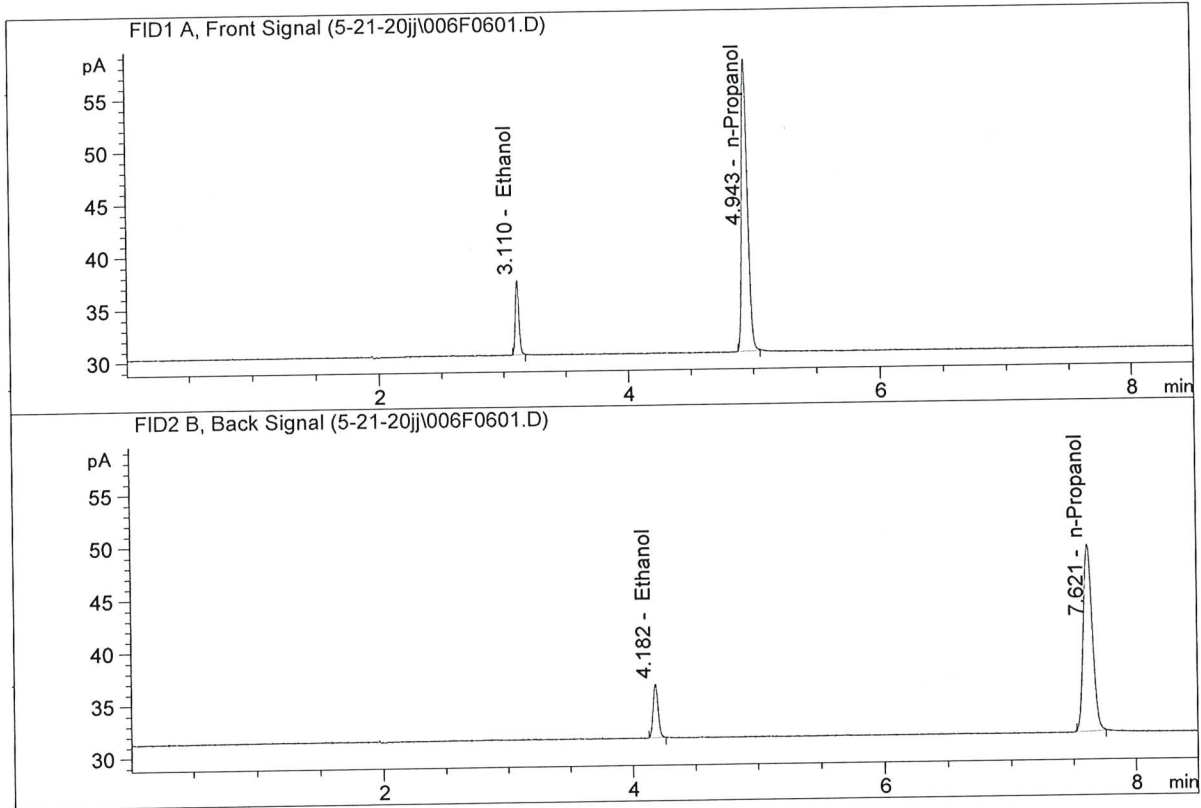
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

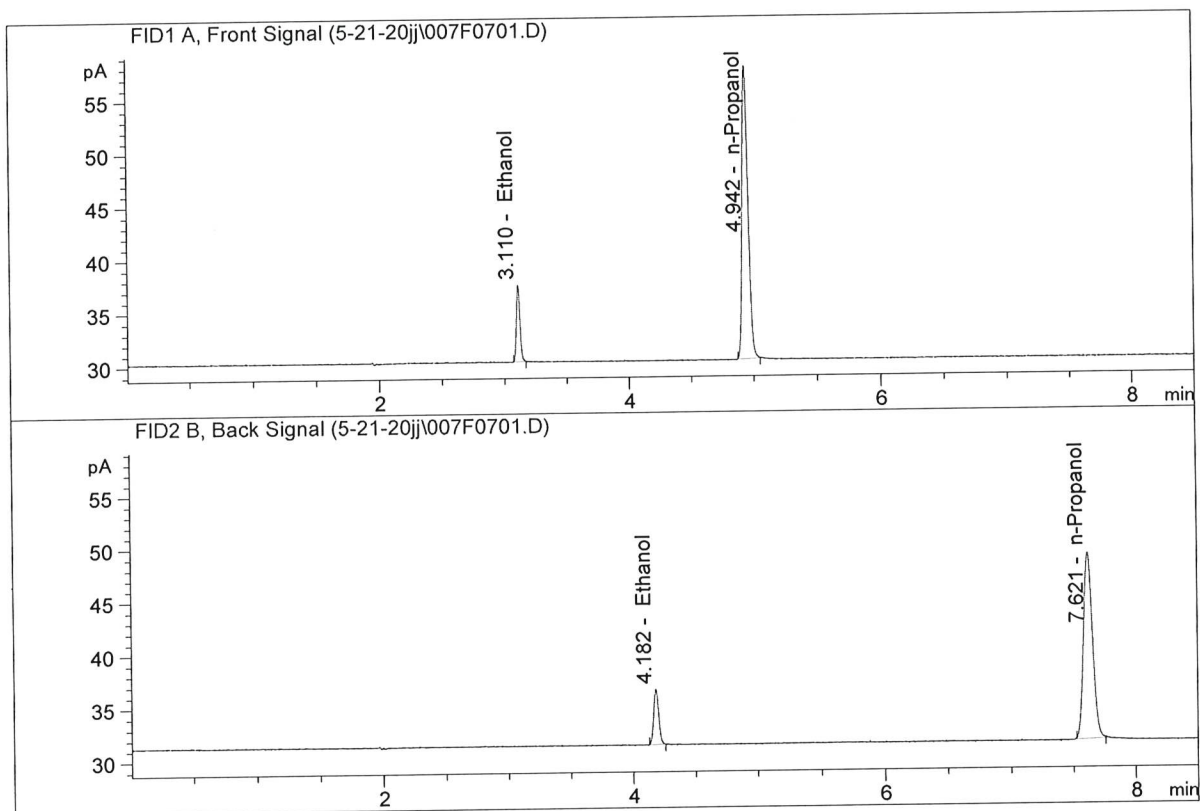


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.06117	0.0782	g/100cc
2.	Ethanol	Column 2:	14.13301	0.0778	g/100cc
3.	n-Propanol	Column 1:	91.14493	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.17442	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.27316	0.0801	g/100cc
2.	Ethanol	Column 2:	14.32922	0.0798	g/100cc
3.	n-Propanol	Column 1:	90.34031	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.17643	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2(1)

Analysis Date(s): 21 May 2020

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1982	0.1972	0.0010	0.1977	0.0018	0.1968
(g/100cc)	0.1962	0.1957	0.0005	0.1959		

**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
0.196	0.186	0.206	0.010

	<b>Reported Result</b>	
	0.196	

*Calibration and control data are stored centrally.*

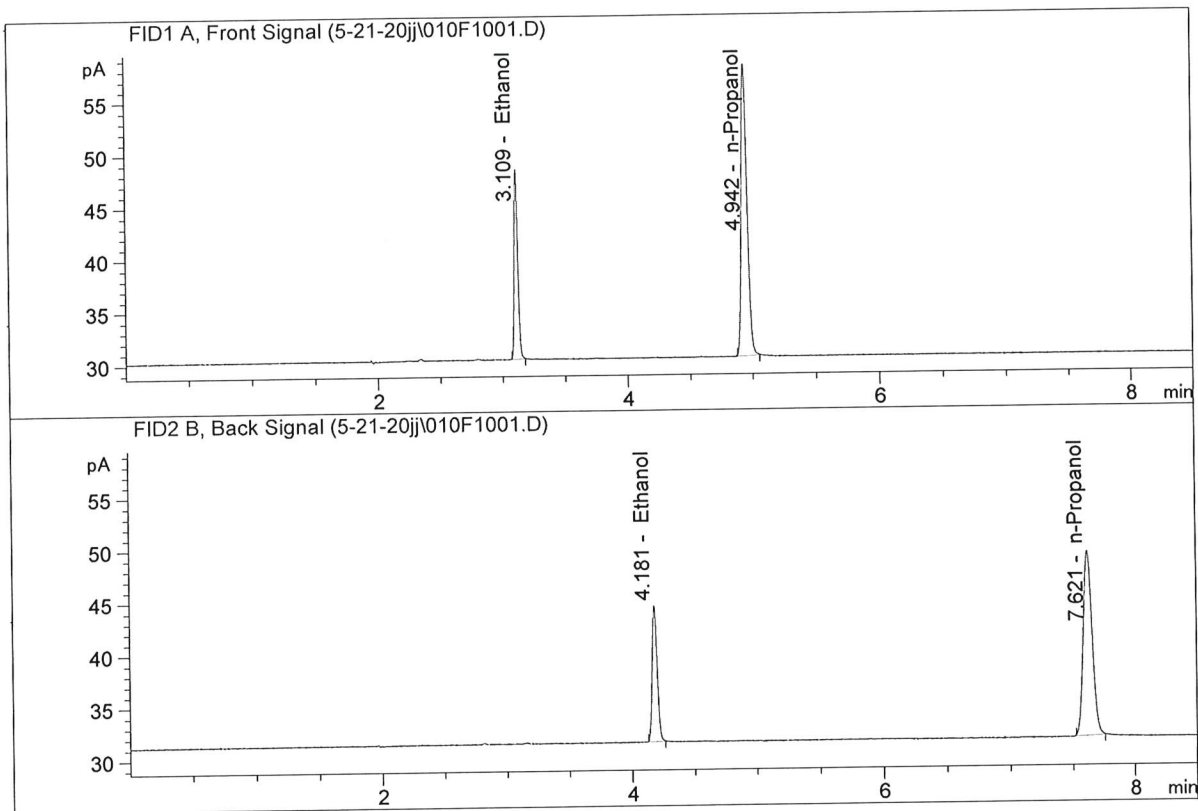
Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

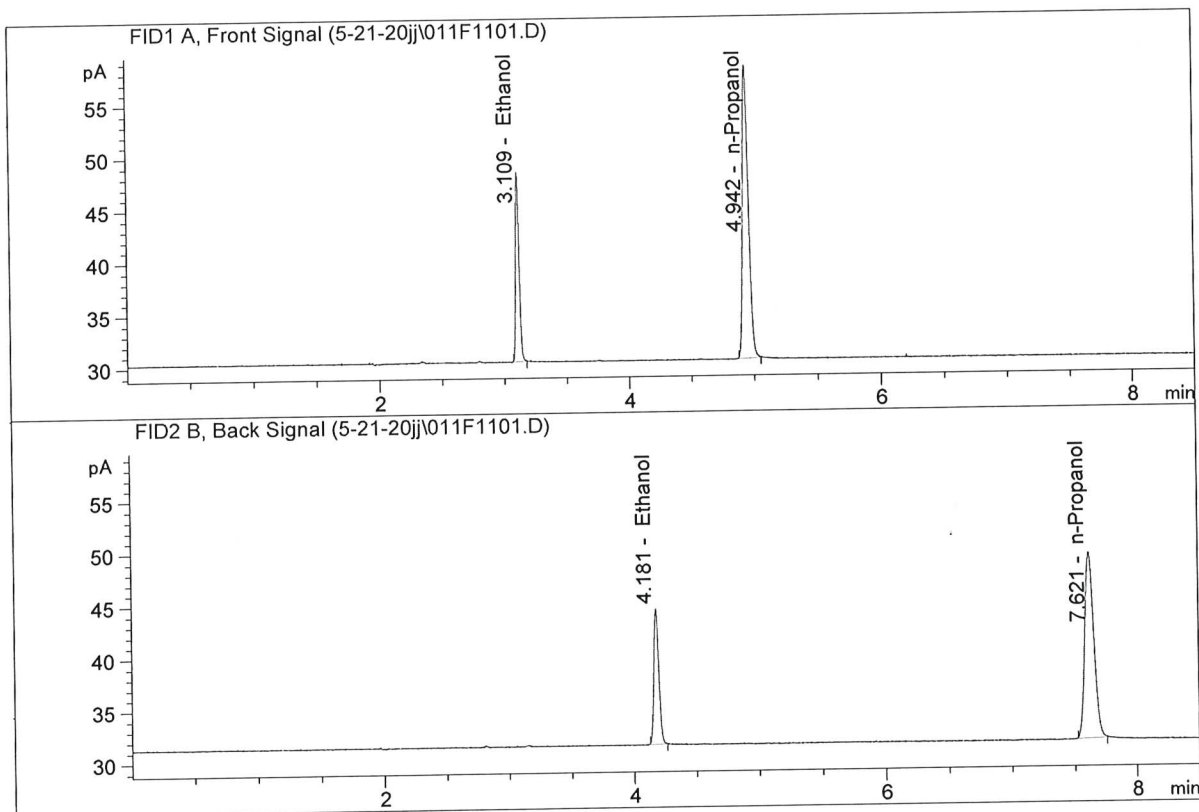


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.60918	0.1982	g/100cc
2.	Ethanol	Column 2:	35.63689	0.1972	g/100cc
3.	n-Propanol	Column 1:	91.06375	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.70123	1.0000	g/100cc

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# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

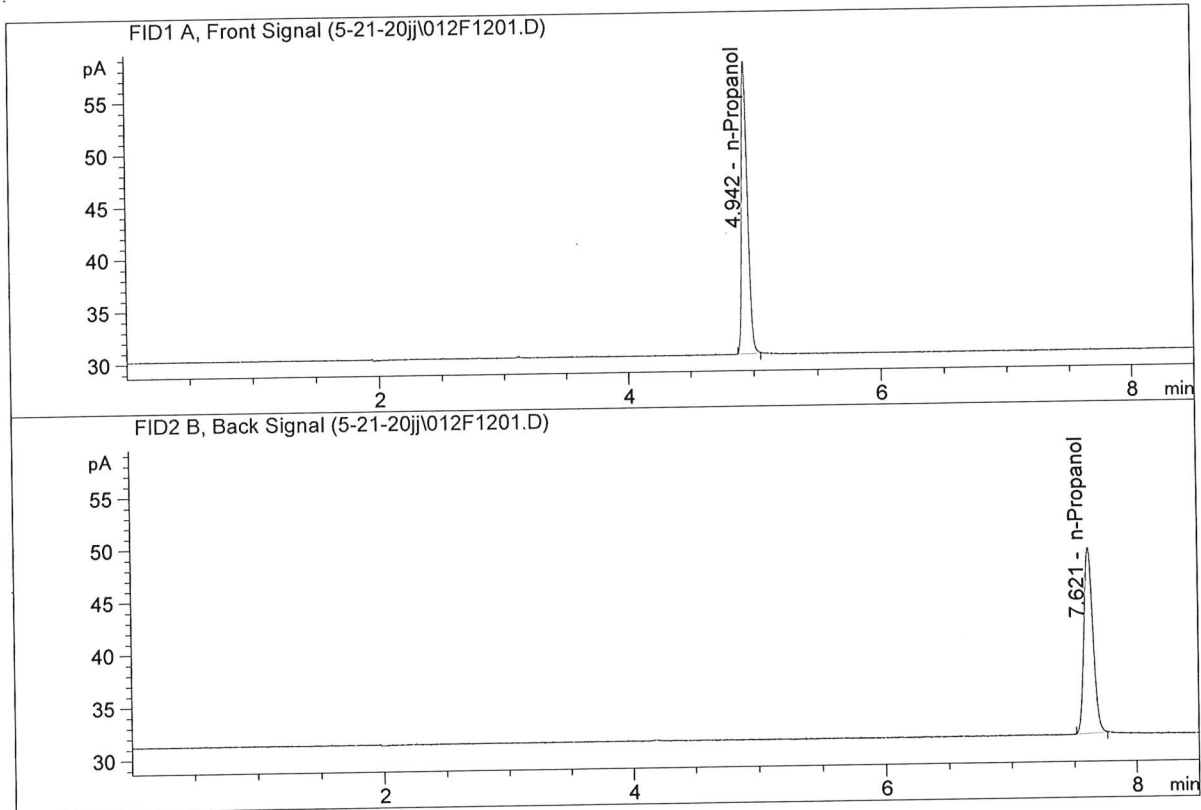


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.41925	0.1962	g/100cc
2.	Ethanol	Column 2:	35.54792	0.1957	g/100cc
3.	n-Propanol	Column 1:	91.50697	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.18320	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 2020  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



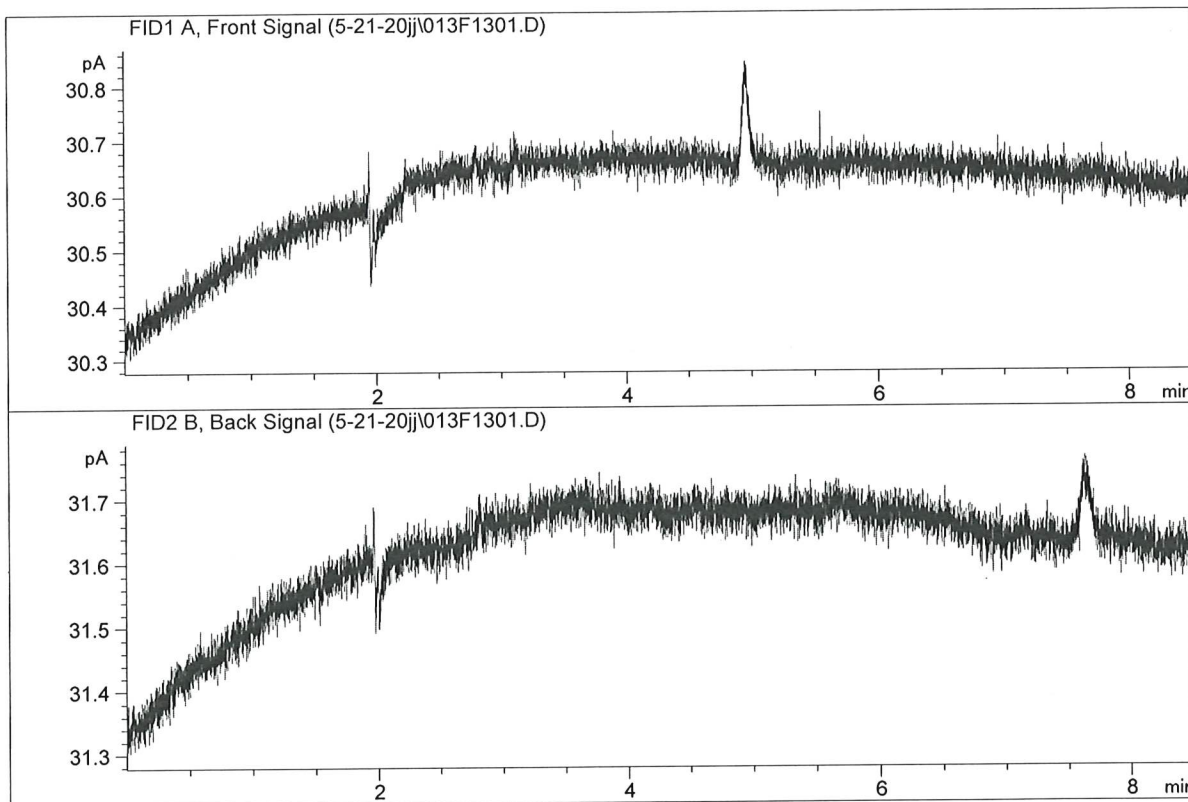
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	91.41142	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.46461	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : water-2  
 Laboratory : Coeur d' Alene  
 Injection Date : May 21, 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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