













## Worklist: 2290 B

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u> |   |
|-----------------|-------------|----------------|--------------------|---|
| C2018-0464      | 1           | 109412         | Alcohol Analysis   |    |
| C2018-0468      | 1           | 110943         | Alcohol Analysis   |    |
| C2018-0496      | 1           | 110055         | Alcohol Analysis   |    |
| C2018-0522      | 1           | 110231         | Alcohol Analysis   |    |
| C2018-0531      | 1           | 110344         | Alcohol Analysis   |    |
| C2018-0542      | 1           | 110560         | Alcohol Analysis   |    |
| C2018-0552      | 1           | 110675         | Alcohol Analysis   |    |
| C2018-0557      | 1           | 110684         | Alcohol Analysis   |    |
| C2018-0583      | 1           | 110795         | Alcohol Analysis   |    |
| C2018-0601      | 1           | 110978         | Alcohol Analysis   |    |
| P2017-2659      | 1           | 110877         | Alcohol Analysis   |   |
| P2017-2659      | 2           | 110878         | Alcohol Analysis   |  |

rerun 3 samples from 3-25-18 due  
to precision between tube A - B not  
meeting criteria

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**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB 600 Liquid Processor/Dilutor Serial Number: ML600HC11379*

**Volatiles Quality Assurance Controls**

**Run Date(s):3/27/2018**

Previously Calibrated on 3/25/18

| Control Level                   | Expiration | Lot #           | Target Value    | Acceptable Range | Overall Results    |
|---------------------------------|------------|-----------------|-----------------|------------------|--------------------|
| Level 1                         | Jul-18     | 1407031         | 0.0780          | 0.0702-0.0858    | 0.0790 g/100cc     |
|                                 |            |                 |                 |                  | g/100cc            |
|                                 |            |                 |                 |                  | 0.1971 g/100cc     |
| Level 2                         | Jul-18     | 1407032         | 0.2020          | 0.1818-0.2222    | g/100cc<br>g/100cc |
| <b>Multi-Component mixture:</b> |            | <b>Sep-20</b>   | <b>Lot #</b>    | FN06041502       | OK                 |
| <b>Curve Fit:</b>               |            | <b>Column 1</b> | <b>Column 2</b> | 0.99999          | 0.99999            |

| Ethanol Calibration Reference Material |            |                 |              |                  |          |          |           |         |
|--|------------|-----------------|--------------|------------------|----------|----------|-----------|---------|
| Calibrator level                       | Expiration | Ceriliant Lot # | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean    |
| 0.050                                  | Jul-19     | FN06231406      | 0.050        | 0.045 - 0.055    | 0.0499   | 0.0494   | 0.0005    | 0.0496  |
| 0.080                                  |            |                 |              |                  |          |          | 0         | #DIV/0! |
| 0.100                                  | Mar-19     | FN02021403      | 0.100        | 0.090 - 0.110    | 0.1012   | 0.1002   | 0.001     | 0.1007  |
| 0.200                                  | Apr-21     | FN03301601      | 0.200        | 0.180 - 0.220    | 0.1999   | 0.1987   | 0.0012    | 0.1993  |
| 0.300                                  | Feb-21     | FN02121601      | 0.300        | 0.270 - 0.330    | 0.3019   | 0.3017   | 0.0002    | 0.3018  |
| 0.400                                  |            |                 |              |                  |          |          | 0         | #DIV/0! |
| 0.500                                  | Aug-19     | FN07031402      | 0.500        | 0.450 - 0.550    | 0.4987   | 0.4996   | 0.0009    | 0.4991  |

| Aqueous Controls |            |                 |              |                  |                 |
|------------------|------------|-----------------|--------------|------------------|-----------------|
| Control Level    | Expiration | Ceriliant Lot # | Target Value | Acceptable Range | Overall Results |
| 0.080            | Nov-20     | FN10281510      | 0.08000      | 0.076 - 0.084    | 0.081 g/100cc   |

Issued: 4/22/2015

~Any information on this document can be changed for laboratory use, except for the precision and mean determination formulas.

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

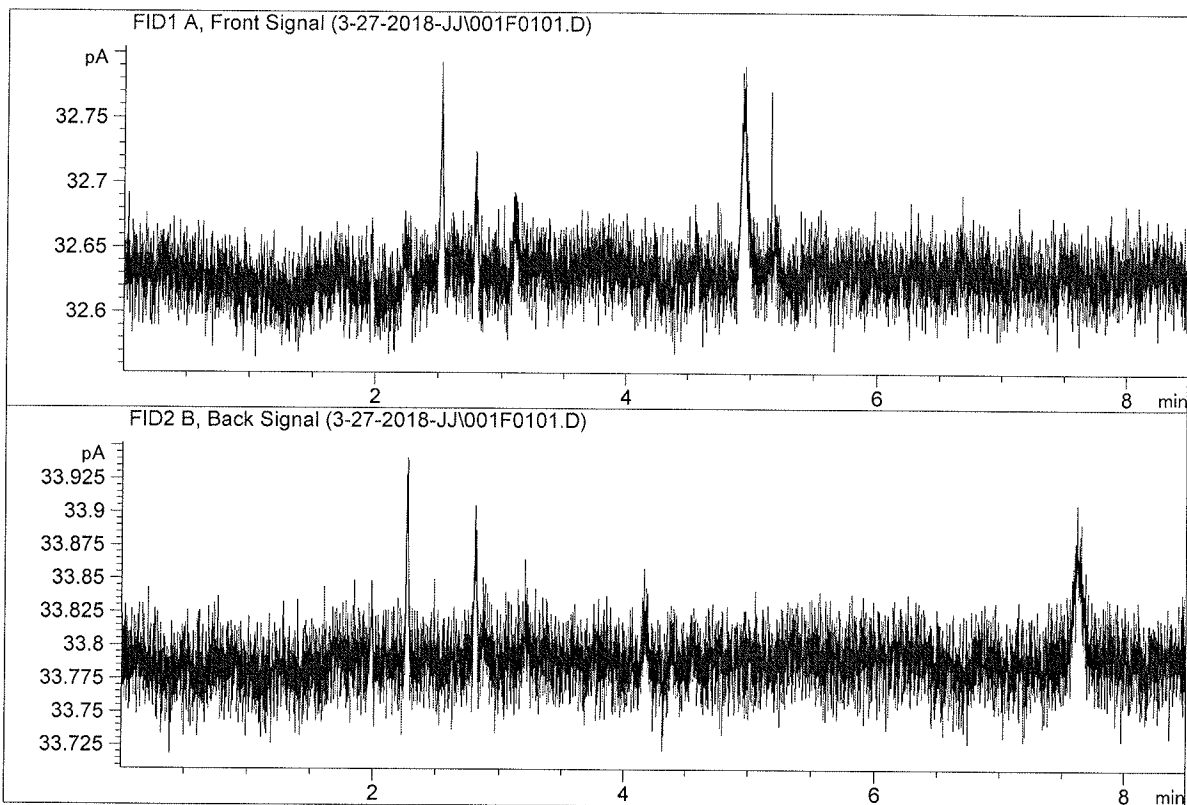
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_27.03.2018\_11.04.46\3-27-2018.S  
 Data directory path: C:\Chem32\1\Data\3-27-2018-JJ  
 Logbook: C:\Chem32\1\Data\3-27-2018-JJ\3-27-2018.LOG  
 Sequence start: 3/27/2018 11:18:26 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

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     | VOL MIX FN-06041 | -                    | 1.0000            | 002F0201.D |       | 10    |
| 3     | 3          | 1     | ISTD BLANK       | -                    | 1.0000            | 003F0301.D |       | 2     |
| 4     | 4          | 1     | QC-1-A           | -                    | 1.0000            | 004F0401.D |       | 4     |
| 5     | 5          | 1     | QC-1-B           | -                    | 1.0000            | 005F0501.D |       | 4     |
| 6     | 6          | 1     | 0.08 FN10281510- | -                    | 1.0000            | 006F0601.D |       | 4     |
| 7     | 7          | 1     | 0.08 FN10281510- | -                    | 1.0000            | 007F0701.D |       | 4     |
| 8     | 8          | 1     | C2018-0468-1-A   | -                    | 1.0000            | 008F0801.D |       | 6     |
| 9     | 9          | 1     | C2018-0468-1-B   | -                    | 1.0000            | 009F0901.D |       | 6     |
| 10    | 10         | 1     | C2018-0522-1-A   | -                    | 1.0000            | 010F1001.D |       | 4     |
| 11    | 11         | 1     | C2018-0522-1-B   | -                    | 1.0000            | 011F1101.D |       | 4     |
| 12    | 12         | 1     | C2018-0583-1-A   | -                    | 1.0000            | 012F1201.D |       | 4     |
| 13    | 13         | 1     | C2018-0583-1-B   | -                    | 1.0000            | 013F1301.D |       | 4     |
| 14    | 14         | 1     | QC-2-A           | -                    | 1.0000            | 014F1401.D |       | 4     |
| 15    | 15         | 1     | QC-2-B           | -                    | 1.0000            | 015F1501.D |       | 4     |
| 16    | 16         | 1     | ISTD BLANK       | -                    | 1.0000            | 016F1601.D |       | 2     |
| 17    | 17         | 1     | water            | -                    | 1.0000            | 017F1701.D |       | 0     |

ISP Forensic Services Blood Alcohol Report

Sample Name : water  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 27, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

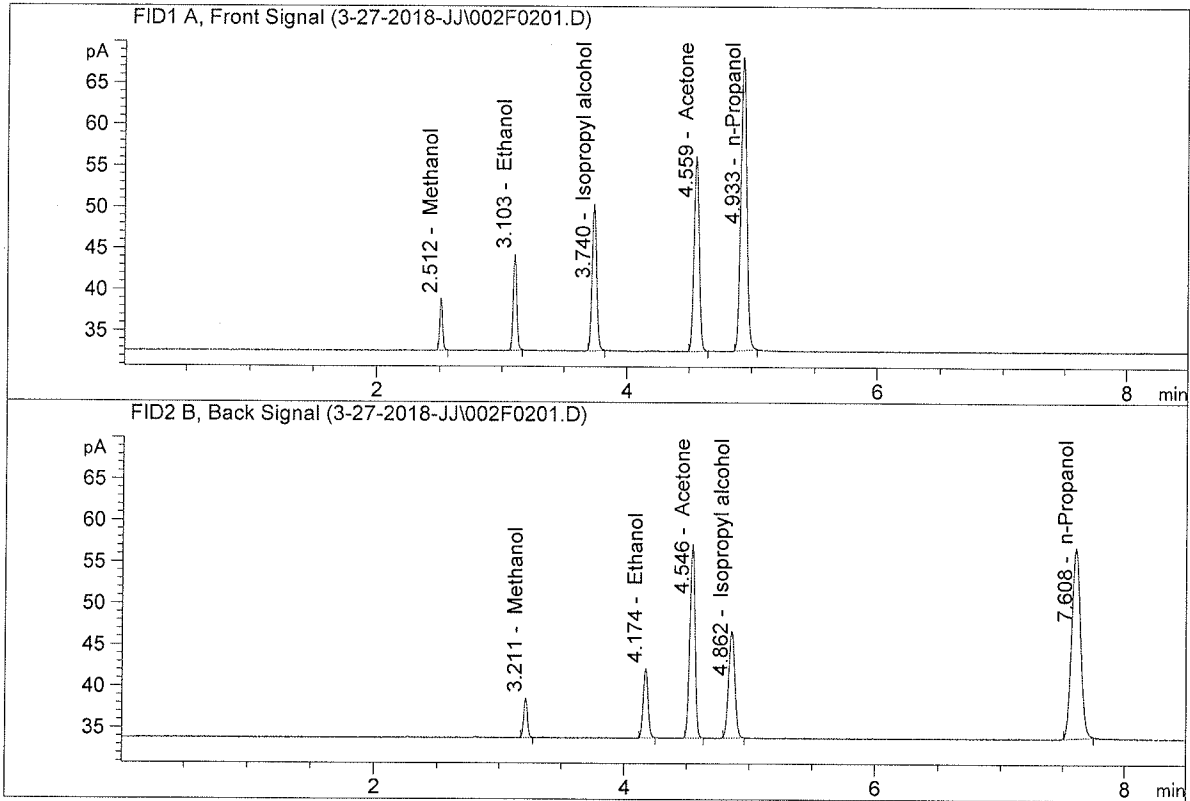


| #  | Compound   | Column    | Area    | Amount | Units   |
|----|------------|-----------|---------|--------|---------|
| 1. | Ethanol    | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol    | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 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 : Mar 27, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

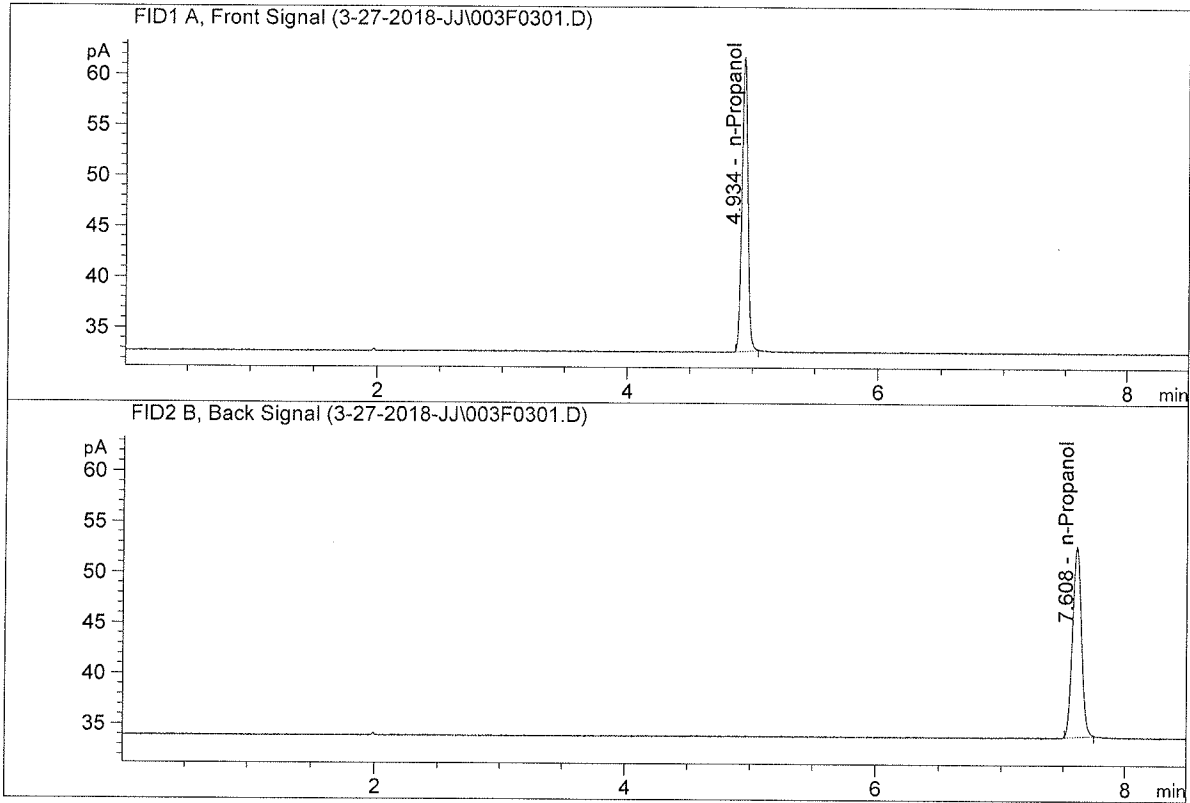


| #  | Compound   | Column    | Area      | Amount | Units   |
|----|------------|-----------|-----------|--------|---------|
| 1. | Ethanol    | Column 1: | 22.73514  | 0.1068 | g/100cc |
| 2. | Ethanol    | Column 2: | 23.00559  | 0.1071 | g/100cc |
| 3. | n-Propanol | Column 1: | 115.86270 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 115.26483 | 1.0000 | g/100cc |

*[Handwritten signature]*

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 27, 2018  
 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: | 95.17659 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 94.38519 | 1.0000 | g/100cc |

*Handwritten signature or initials*

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1

Analysis Date(s): 27 Mar 2018

|                | Column 1<br>FID A | Column 2<br>FID B | Column<br>Precision | Mean Value | Over-all Mean |  |
|----------------|-------------------|-------------------|---------------------|------------|---------------|--|
| Sample Results | 0.0783            | 0.0783            | 0.0000              | 0.0783     | 0.0790        |  |
| (g/100cc)      | 0.0797            | 0.0797            | 0.0000              | 0.0797     |               |  |

### Analysis Method

Refer to Blood Alcohol Method #1

### Instrument Information

*Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m  
Hamilton Auto-Dilutor Serial Number: ML600HC11379

### Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

| Overall Mean (g/100cc) | Low   | High  | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.079                  | 0.075 | 0.083 | 0.004      |

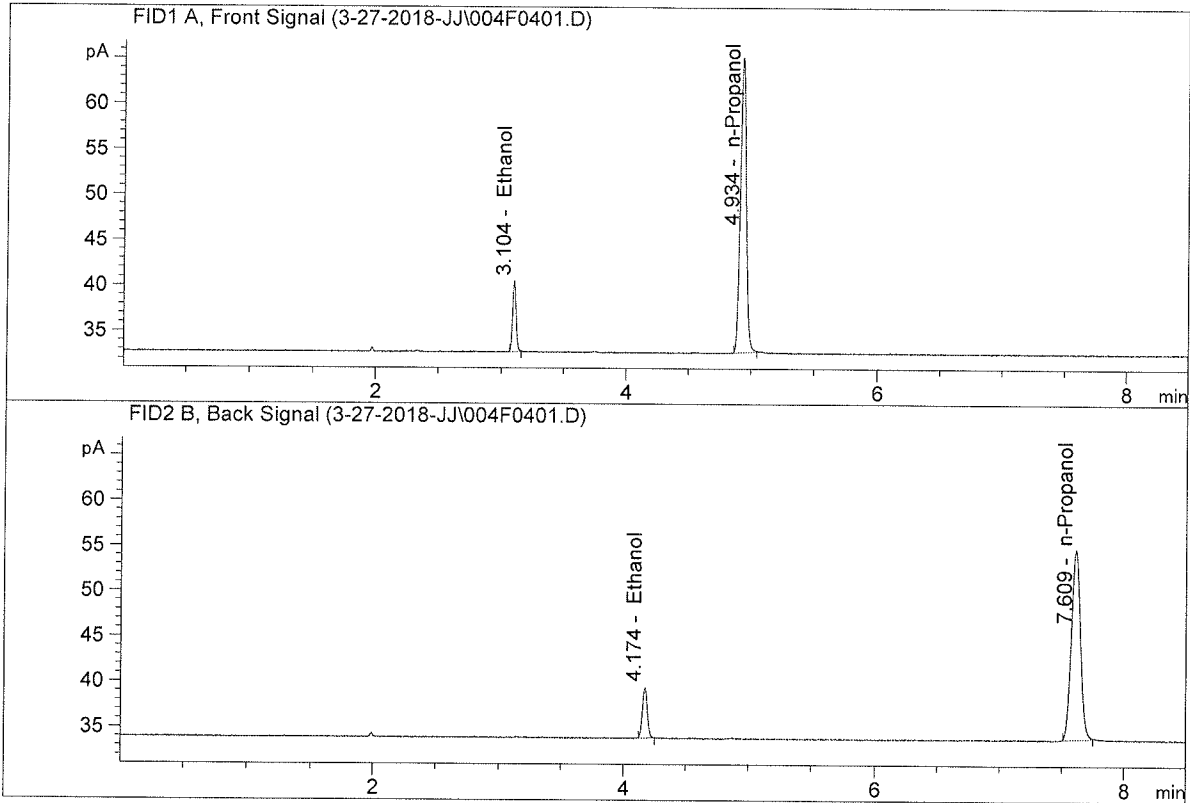
|  |                        |  |
|--|------------------------|--|
|  | <b>Reported Result</b> |  |
|  | 0.079                  |  |

*Calibration and control data are stored centrally.*



ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 27, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



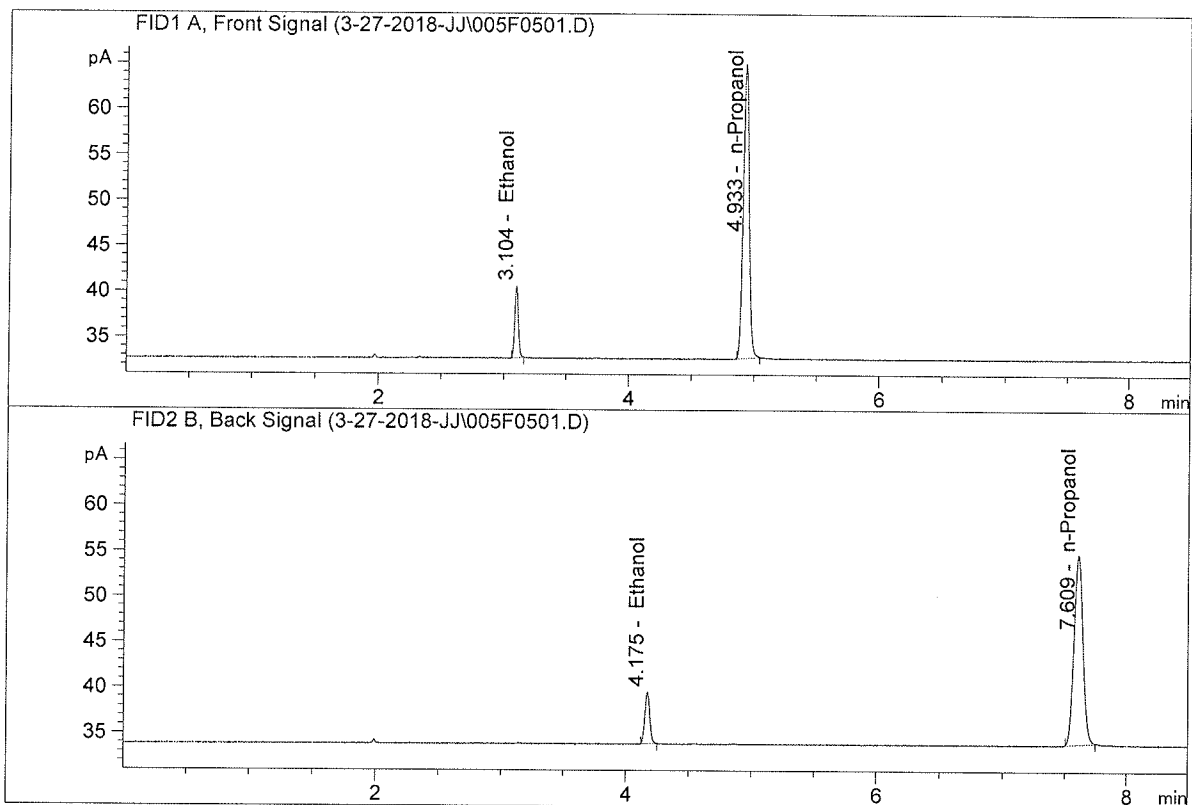
| #  | Compound   | Column    | Area      | Amount | Units   |
|----|------------|-----------|-----------|--------|---------|
| 1. | Ethanol    | Column 1: | 15.28781  | 0.0783 | g/100cc |
| 2. | Ethanol    | Column 2: | 15.38008  | 0.0783 | g/100cc |
| 3. | n-Propanol | Column 1: | 106.18469 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 105.43842 | 1.0000 | g/100cc |

*SP*



ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



| #  | Compound   | Column    | Area      | Amount | Units   |
|----|------------|-----------|-----------|--------|---------|
| 1. | Ethanol    | Column 1: | 15.46883  | 0.0797 | g/100cc |
| 2. | Ethanol    | Column 2: | 15.56518  | 0.0797 | g/100cc |
| 3. | n-Propanol | Column 1: | 105.56450 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 104.80523 | 1.0000 | g/100cc |

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## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510

Analysis Date(s): 28 Mar 2018

|                | Column 1<br>FID A | Column 2<br>FID B | Column<br>Precision | Mean Value | Over-all Mean |
|----------------|-------------------|-------------------|---------------------|------------|---------------|
| Sample Results | 0.0805            | 0.0804            | 0.0001              | 0.0804     | 0.0813        |
| (g/100cc)      | 0.0822            | 0.0823            | 0.0001              | 0.0822     |               |

### Analysis Method

Refer to Blood Alcohol Method #1

### Instrument Information

*Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m  
Hamilton Auto-Dilutor Serial Number: ML600HC11379

### Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

| Overall Mean (g/100cc) | Low   | High  | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.081                  | 0.076 | 0.086 | 0.005      |

|  | Reported Result |
|--|-----------------|
|  | 0.081           |

*Calibration and control data are stored centrally.*

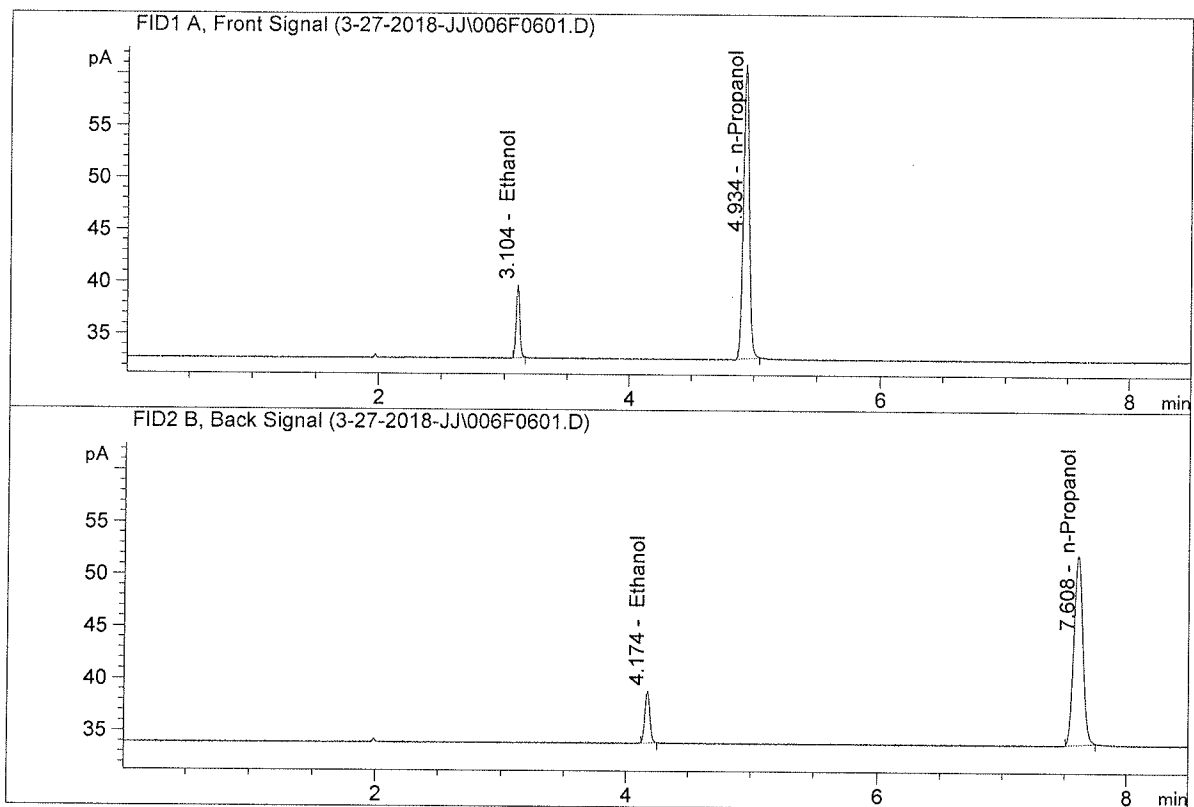
Issued: 12/30/2016

Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

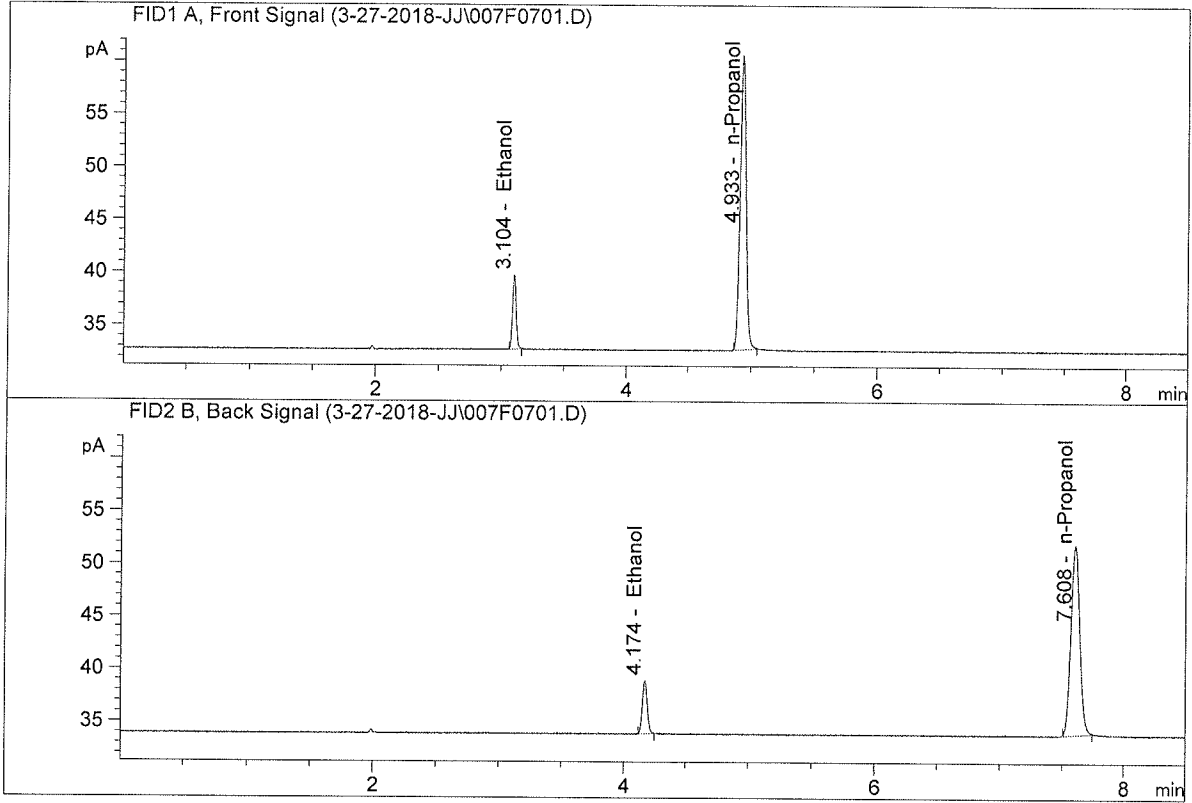


| #  | Compound   | Column    | Area     | Amount | Units   |
|----|------------|-----------|----------|--------|---------|
| 1. | Ethanol    | Column 1: | 13.67622 | 0.0805 | g/100cc |
| 2. | Ethanol    | Column 2: | 13.74211 | 0.0804 | g/100cc |
| 3. | n-Propanol | Column 1: | 92.47599 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 91.69903 | 1.0000 | g/100cc |

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



| #  | Compound   | Column    | Area     | Amount | Units   |
|----|------------|-----------|----------|--------|---------|
| 1. | Ethanol    | Column 1: | 13.82396 | 0.0822 | g/100cc |
| 2. | Ethanol    | Column 2: | 13.89353 | 0.0823 | g/100cc |
| 3. | n-Propanol | Column 1: | 91.53037 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 90.62658 | 1.0000 | g/100cc |

*[Handwritten signature]*

## VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2

Analysis Date(s): 28 Mar 2018

|                | Column 1<br>FID A | Column 2<br>FID B | Column<br>Precision | Mean Value | Over-all Mean |  |
|----------------|-------------------|-------------------|---------------------|------------|---------------|--|
| Sample Results | 0.1965            | 0.1966            | 0.0001              | 0.1965     | 0.1971        |  |
| (g/100cc)      | 0.1976            | 0.1980            | 0.0004              | 0.1978     |               |  |

### Analysis Method

Refer to Blood Alcohol Method #1

### Instrument Information

*Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m  
Hamilton Auto-Dilutor Serial Number: ML600HC11379

### Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

| Overall Mean (g/100cc) | Low   | High  | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.197                  | 0.187 | 0.207 | 0.010      |

|  | Reported Result |  |
|--|-----------------|--|
|  | 0.197           |  |

*Calibration and control data are stored centrally.*

Issued: 12/30/2016

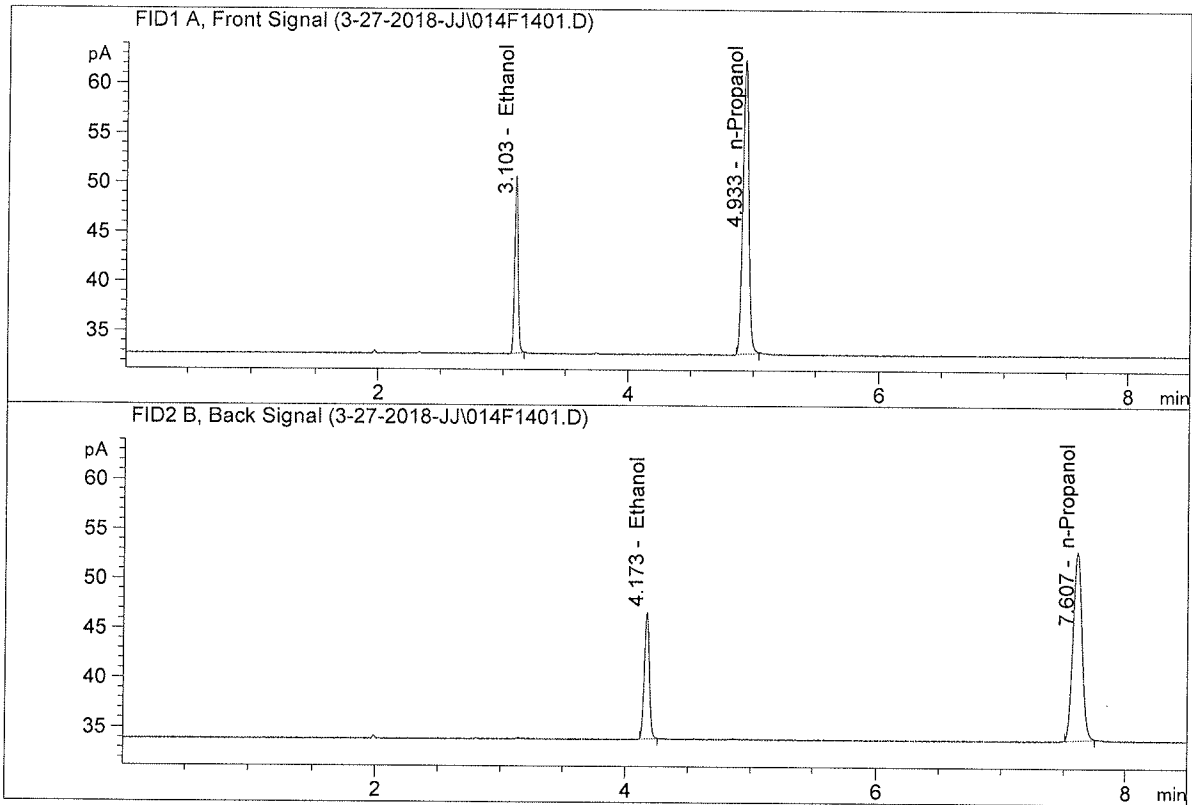
Volatiles BAC Calculation Spreadsheet Rev 4

Issuing Authority: Quality Manager



ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

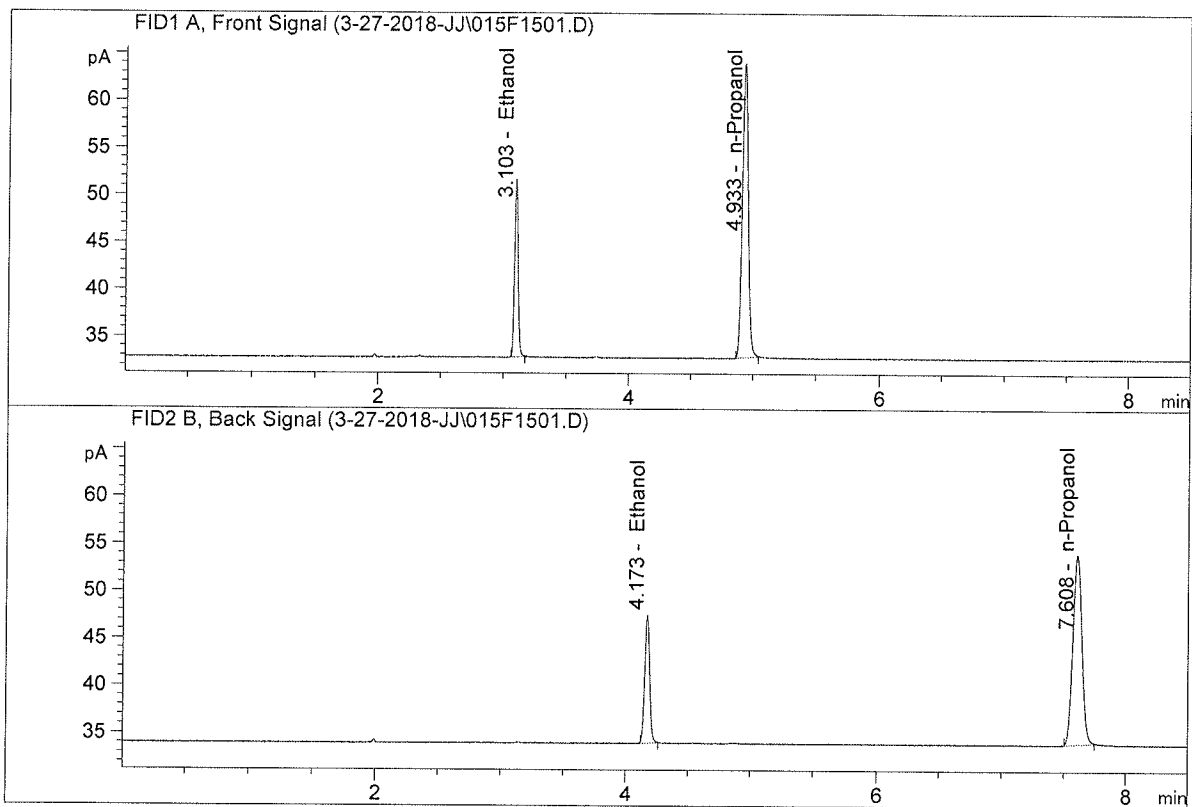


| #  | Compound   | Column    | Area     | Amount | Units   |
|----|------------|-----------|----------|--------|---------|
| 1. | Ethanol    | Column 1: | 35.03627 | 0.1965 | g/100cc |
| 2. | Ethanol    | Column 2: | 35.14508 | 0.1966 | g/100cc |
| 3. | n-Propanol | Column 1: | 97.00677 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 95.92488 | 1.0000 | g/100cc |

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

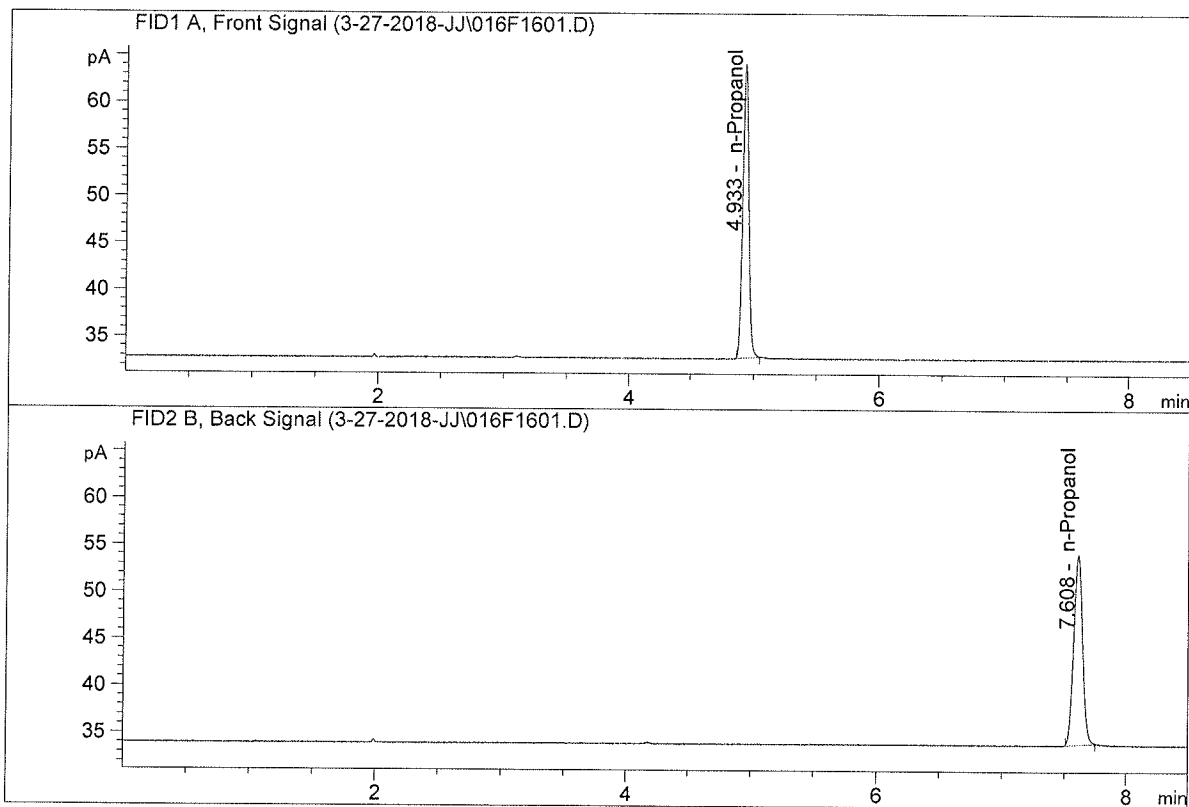


| #  | Compound   | Column    | Area      | Amount | Units   |
|----|------------|-----------|-----------|--------|---------|
| 1. | Ethanol    | Column 1: | 36.93842  | 0.1976 | g/100cc |
| 2. | Ethanol    | Column 2: | 37.07845  | 0.1980 | g/100cc |
| 3. | n-Propanol | Column 1: | 101.70737 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 100.51530 | 1.0000 | g/100cc |

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



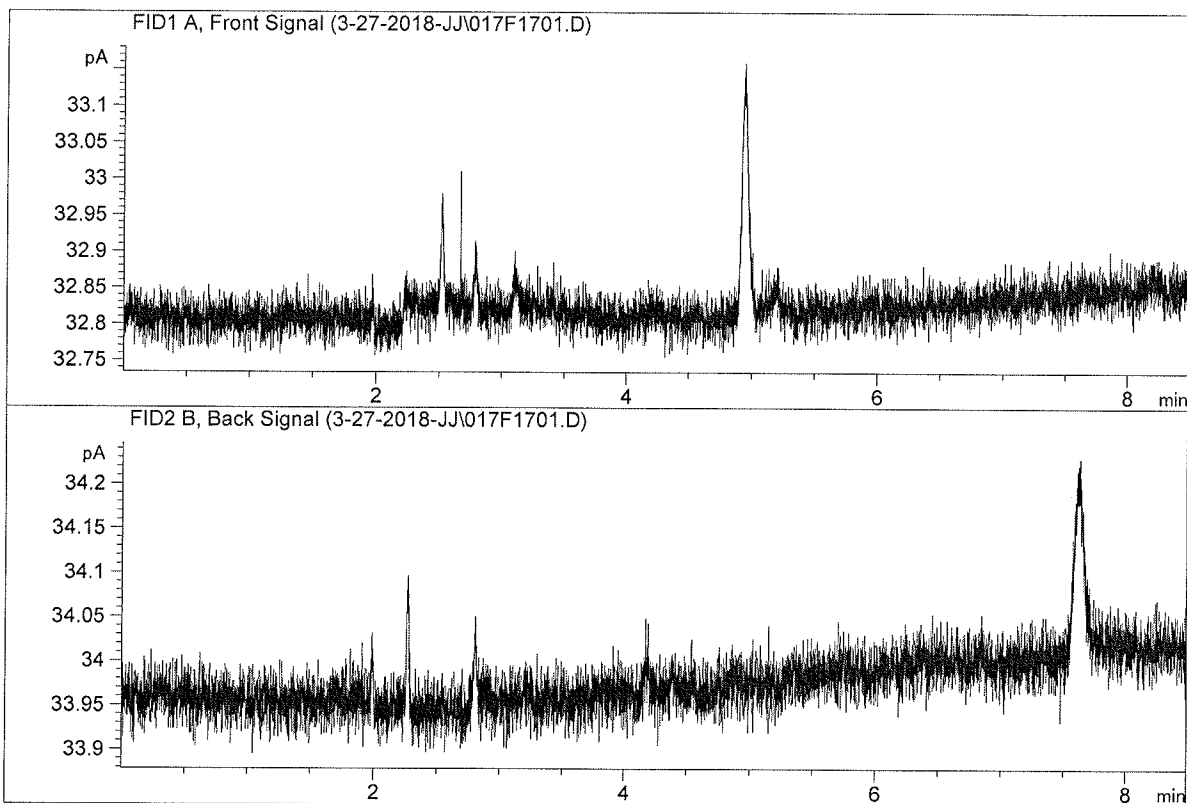
| #  | Compound   | Column    | Area      | Amount | Units   |
|----|------------|-----------|-----------|--------|---------|
| 1. | Ethanol    | Column 1: | 0.00000   | 0.0000 | g/100cc |
| 2. | Ethanol    | Column 2: | 0.00000   | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 102.53868 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 101.71619 | 1.0000 | g/100cc |

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ISP Forensic Services Blood Alcohol Report

Sample Name : water  
 Laboratory : Coeur d' Alene  
 Injection Date : Mar 28, 2018  
 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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