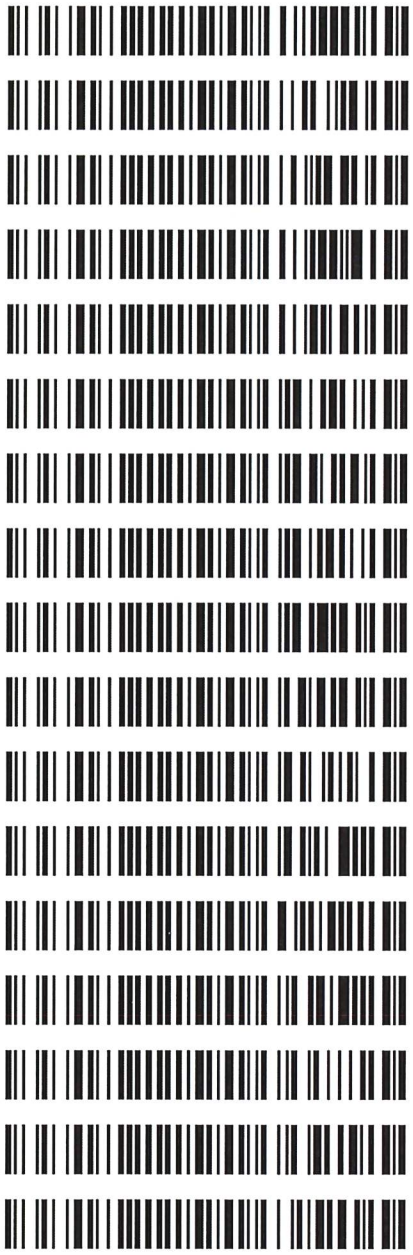
2/21/2021

**Worklist: 4795**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| C2021-0215 | 1 | BCK | Alcohol Analysis |
| * C2021-0227 | 1 | AVK | Alcohol Analysis |
| C2021-0242 | 2 | BCK | Alcohol Analysis |
| C2021-0255 | 1 | BCK | Alcohol Analysis |
| C2021-0256 | 1 | BCK | Alcohol Analysis |
| C2021-0260 | 1 | BCK | Alcohol Analysis |
| C2021-0262 | 1 | BCK | Alcohol Analysis |
| * C2021-0263 | 1 | BCK | Alcohol Analysis |
| C2021-0268 | 1 | AVK | Alcohol Analysis |
| C2021-0269 | 1 | AVK | Alcohol Analysis |
| C2021-0285 | 1 | BCK | Alcohol Analysis |
| C2021-0286 | 1 | BCK | Alcohol Analysis |
| C2021-0351 | 1 | BCK | Alcohol Analysis |
| C2021-0375 | 1 | BCK | Alcohol Analysis |
| C2021-0378 | 1 | BCK | Alcohol Analysis |
| C2021-0382 | 1 | BCK | Alcohol Analysis |
| C2021-0397 | 1 | BCK | Alcohol Analysis |



*Samples C2021-0227 and C2021-0263 were re-run on 2-23-21 on the same calibration curve from 2-21-21 due to a mis-injection of their B-tube during their initial run. Their original data is included along with their additional run data in their casefile.

The QA/QC data from 2-23-21 is included at the end of this worklist packet along with a separate QA/QC data spreadsheet.

Beginning on pg 36

Jeremy Foshee

## 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): 2-21-2021**

*worklist #4795*

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jan-22 | 1801036 | 0.0812 | 0.0731-0.0893 | 0.0746 g/100cc |
| | | | | | g/100cc |
| | | | | | g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.1936 g/100cc |
| | | | | | 0.1922 g/100cc |
| | | | | | g/100cc |

| | | | | | |
|---|---|---|---|---|---|
| **Multi-Component mixture:** | **Jul-22** | **Lot #** | FN07101701 | | OK |
| **Curve Fit:** | **Column 1** | 1.00000 | **Column2** | | 0.99993 |

**Ethanol Calibration Reference Material**

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0482 | 0.0467 | 0.0015 | 0.0474 |
| 100 | 0.100 | 0.090 - 0.110 | 0.1002 | 0.0966 | 0.0036 | 0.0984 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1996 | 0.1965 | 0.0031 | 0.198 |
| 300 | 0.300 | 0.270 - 0.330 | 0.3002 | 0.2973 | 0.0029 | 0.2987 |
| 400 | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 500 | 0.500 | 0.450 - 0.550 | 0.5002 | 0.5040 | 0.0038 | 0.5021 |

**Aqueous Controls**

| Control level | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|
| 80 | 0.080 | 0.076 - 0.084 | 0.079 g/100cc |

Reviewed 2-24-20 RC



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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_21.02.2021_12.16.23\02-21-2021.S

# Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_21.02.2021_12.16.23\02-21-2021.S
Data directory path: C:\Chem32\1\Data\2-21-21JJ
Logbook: C:\Chem32\1\Data\2-21-21JJ\02-21-2021.LOG
Sequence start: 2/21/2021 12:30:10 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | water-1 | - | 1.0000 | 001F0101.D | 0 |
| 2 | 2 | 1 | VOL MIX | - | 1.0000 | 002F0201.D | 10 |
| 3 | 3 | 1 | ISTD BLANK-1 | - | 1.0000 | 003F0301.D | 2 |
| 4 | 4 | 1 | QC-2(1)-A | - | 1.0000 | 004F0401.D | 4 |
| 5 | 5 | 1 | QC-2(1)-B | - | 1.0000 | 005F0501.D | 4 |
| 6 | 6 | 1 | 0.08 FN09181807- | - | 1.0000 | 006F0601.D | 4 |
| 7 | 7 | 1 | 0.08 FN09181807- | - | 1.0000 | 007F0701.D | 4 |
| 8 | 8 | 1 | C2021-0215-1-A | - | 1.0000 | 008F0801.D | 4 |
| 9 | 9 | 1 | C2021-0215-1-B | - | 1.0000 | 009F0901.D | 4 |
| 10 | 10 | 1 | C2021-0227-1-A | - | 1.0000 | 010F1001.D | 2 |
| 11 | 11 | 1 | C2021-0227-1-B | - | 1.0000 | 011F1101.D | 0 |
| 12 | 12 | 1 | C2021-0242-2-A | - | 1.0000 | 012F1201.D | 2 |
| 13 | 13 | 1 | C2021-0242-2-B | - | 1.0000 | 013F1301.D | 2 |
| 14 | 14 | 1 | C2021-0255-1-A | - | 1.0000 | 014F1401.D | 6 |
| 15 | 15 | 1 | C2021-0255-1-B | - | 1.0000 | 015F1501.D | 5 |
| 16 | 16 | 1 | C2021-0256-1-A | - | 1.0000 | 016F1601.D | 2 |
| 17 | 17 | 1 | C2021-0256-1-B | - | 1.0000 | 017F1701.D | 2 |
| 18 | 18 | 1 | C2021-0260-1-A | - | 1.0000 | 018F1801.D | 4 |
| 19 | 19 | 1 | C2021-0260-1-B | - | 1.0000 | 019F1901.D | 4 |
| 20 | 20 | 1 | C2021-0262-1-A | - | 1.0000 | 020F2001.D | 6 |
| 21 | 21 | 1 | C2021-0262-1-B | - | 1.0000 | 021F2101.D | 6 |
| 22 | 22 | 1 | C2021-0263-1-A | - | 1.0000 | 022F2201.D | 4 |
| 23 | 23 | 1 | C2021-0263-1-B | - | 1.0000 | 023F2301.D | 0 |
| 24 | 24 | 1 | C2021-0268-1-A | - | 1.0000 | 024F2401.D | 2 |
| 25 | 25 | 1 | C2021-0268-1-B | - | 1.0000 | 025F2501.D | 2 |
| 26 | 26 | 1 | QC-2(2)-A | - | 1.0000 | 026F2601.D | 4 |
| 27 | 27 | 1 | QC-2(2)-B | - | 1.0000 | 027F2701.D | 4 |
| 28 | 28 | 1 | C2021-0269-1-A | - | 1.0000 | 028F2801.D | 2 |
| 29 | 29 | 1 | C2021-0269-1-B | - | 1.0000 | 029F2901.D | 2 |
| 30 | 30 | 1 | C2021-0285-1-A | - | 1.0000 | 030F3001.D | 6 |
| 31 | 31 | 1 | C2021-0285-1-B | - | 1.0000 | 031F3101.D | 6 |
| 32 | 32 | 1 | C2021-0286-1-A | - | 1.0000 | 032F3201.D | 6 |
| 33 | 33 | 1 | C2021-0286-1-B | - | 1.0000 | 033F3301.D | 6 |
| 34 | 34 | 1 | C2021-0351-1-A | - | 1.0000 | 034F3401.D | 4 |
| 35 | 35 | 1 | C2021-0351-1-B | - | 1.0000 | 035F3501.D | 5 |
| 36 | 36 | 1 | C2021-0375-1-A | - | 1.0000 | 036F3601.D | 4 |
| 37 | 37 | 1 | C2021-0375-1-B | - | 1.0000 | 037F3701.D | 4 |
| 38 | 38 | 1 | C2021-0378-1-A | - | 1.0000 | 038F3801.D | 4 |
| 39 | 39 | 1 | C2021-0378-1-B | - | 1.0000 | 039F3901.D | 4 |
| 40 | 40 | 1 | C2021-0382-1-A | - | 1.0000 | 040F4001.D | 4 |
| 41 | 41 | 1 | C2021-0382-1-B | - | 1.0000 | 041F4101.D | 4 |
| 42 | 42 | 1 | C2021-0397-1-A | - | 1.0000 | 042F4201.D | 4 |
| 43 | 43 | 1 | C2021-0397-1-B | - | 1.0000 | 043F4301.D | 4 |
| 44 | 44 | 1 | QC-1(2)-A | - | 1.0000 | 044F4401.D | 4 |
| 45 | 45 | 1 | QC-1(2)-B | - | 1.0000 | 045F4501.D | 4 |
| 46 | 46 | 1 | ISTD BLANK-2 | - | 1.0000 | 046F4601.D | 2 |

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_21.02.2021_12.16.23\02-21-2021.S

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # | Cmp |
|---|---|---|---|---|---|---|---|---|
| 47 | 47 | 1 | water-2 | - | 1.0000 | 047F4701.D | | 0 |

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

## Calibration Table

### General Calibration Setting

Calib. Data Modified : Sunday, February 21, 2021 12:04:49 PM
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Forced
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

| ISTD # | ISTD Amount [g/100cc] | Name |
|---|---|---|
| 1 | 1.00000 | n-Propanol |
| 2 | 1.00000 | n-Propanol |

### Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

### Overview Table

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

| RT | Sig | Lvl | Amount [g/100cc] | Area | Rsp.Factor | Ref | ISTD | # | Compound |
|---|---|---|---|---|---|---|---|---|---|
| 2.165 | 2 | 1 | 1.00000 | 1.06794 | 9.36380e-1 | No | No | 2 | Difluoroethane |
| 2.213 | 1 | 1 | 1.00000 | 5.00000 | 2.00000e-1 | No | No | 1 | Difluoroethane |
| 2.494 | 1 | 1 | 1.00000 | 3.69669 | 2.70512e-1 | No | No | 1 | Methanol |
| 2.772 | 1 | 1 | 1.00000 | 3.19311 | 3.13174e-1 | No | No | 1 | Acetaldehyde |
| 2.797 | 2 | 1 | 1.00000 | 3.10575 | 3.21983e-1 | No | No | 2 | Acetaldehyde |
| 3.110 | 1 | 1 | 5.00000e-2 | 8.87776 | 5.63205e-3 | No | No | 1 | Ethanol |
| | | 2 | 1.00000e-1 | 18.46337 | 5.41613e-3 | | | | |
| | | 3 | 2.00000e-1 | 36.60487 | 5.46375e-3 | | | | |
| | | 4 | 3.00000e-1 | 55.22387 | 5.43243e-3 | | | | |
| | | 5 | 5.00000e-1 | 91.91942 | 5.43955e-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 |
| 4.184 | 2 | 1 | 5.00000e-2 | 8.21267 | 6.08815e-3 | No | No | 2 | Ethanol |
| | | 2 | 1.00000e-1 | 16.90833 | 5.91424e-3 | | | | |
| | | 3 | 2.00000e-1 | 34.06771 | 5.87066e-3 | | | | |
| | | 4 | 3.00000e-1 | 51.68339 | 5.80457e-3 | | | | |
| | | 5 | 5.00000e-1 | 86.99012 | 5.74778e-3 | | | | |
| 4.567 | 2 | 1 | 1.00000 | 6.89301 | 1.45075e-1 | No | No | 2 | Acetone |
| 4.581 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | Acetone |
| 4.870 | 2 | 1 | 1.00000 | 10.70642 | 9.34019e-2 | No | No | 2 | Isopropyl alcohol |
| 4.946 | 1 | 1 | 1.00000 | 82.62093 | 1.21035e-2 | No | Yes | 1 | n-Propanol |
| | | 2 | 1.00000 | 82.70557 | 1.20911e-2 | | | | |
| | | 3 | 1.00000 | 82.31683 | 1.21482e-2 | | | | |
| | | 4 | 1.00000 | 82.56317 | 1.21119e-2 | | | | |
| | | 5 | 1.00000 | 82.47392 | 1.21250e-2 | | | | |
| 7.630 | 2 | 1 | 1.00000 | 72.79237 | 1.37377e-2 | No | Yes | 2 | n-Propanol |
| | | 2 | 1.00000 | 72.49750 | 1.37936e-2 | | | | |
| | | 3 | 1.00000 | 71.81860 | 1.39240e-2 | | | | |
| | | 4 | 1.00000 | 72.00061 | 1.38888e-2 | | | | |
| | | 5 | 1.00000 | 71.48544 | 1.39889e-2 | | | | |

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Peak Sum Table

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***No Entries in table***

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Calibration Curves

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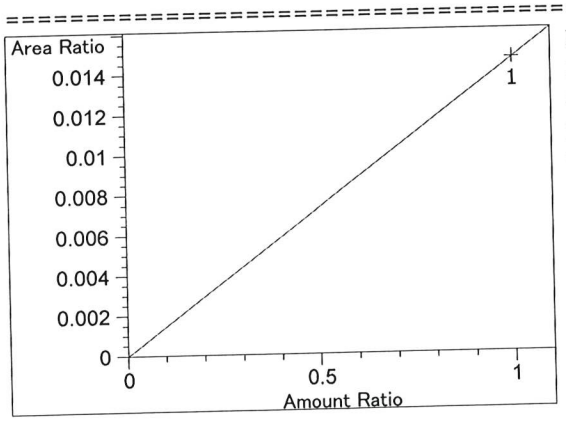


Difluoroethane at exp. RT: 2.165
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.46711e-2
x: Amount Ratio
y: Area Ratio

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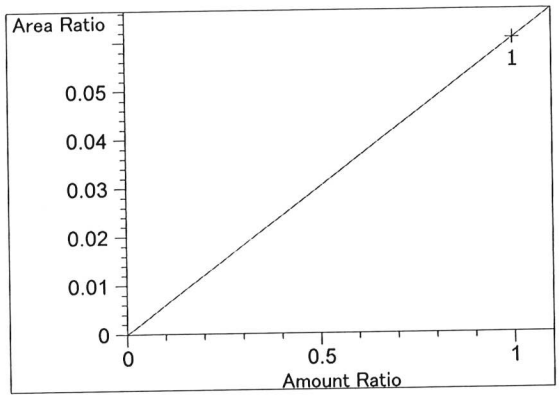
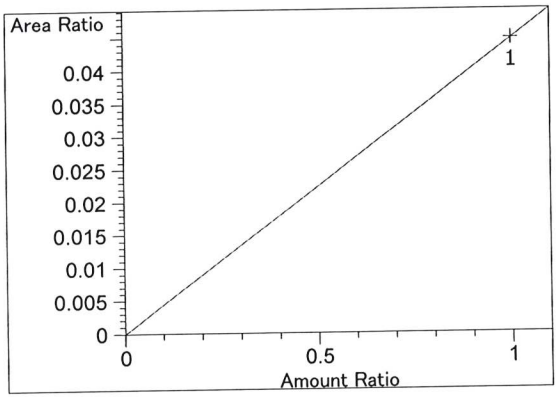
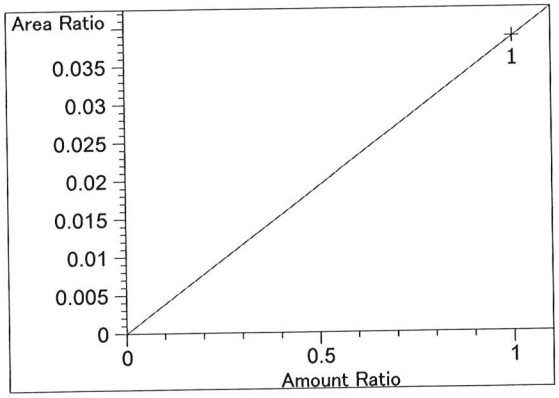


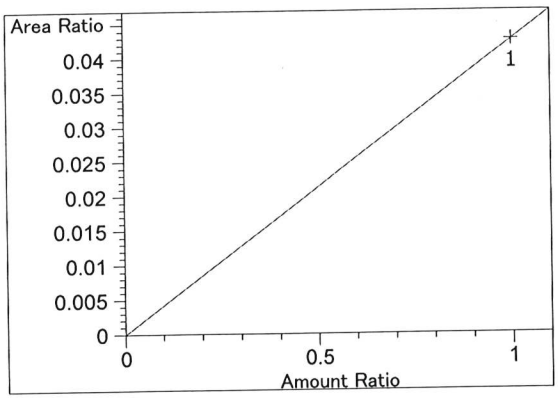

Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.05174e-2
x: Amount Ratio
y: Area Ratio




Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.47428e-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: 3.86477e-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: 4.26659e-2
x: Amount Ratio
y: Area Ratio

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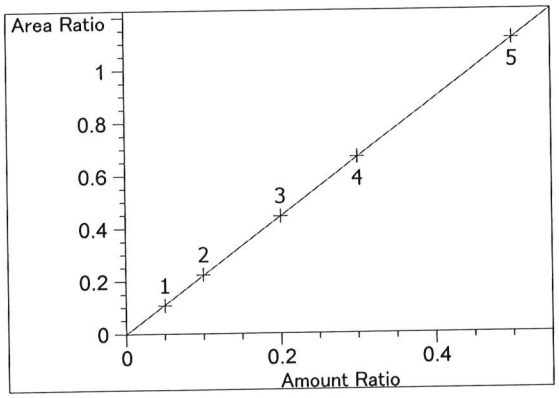
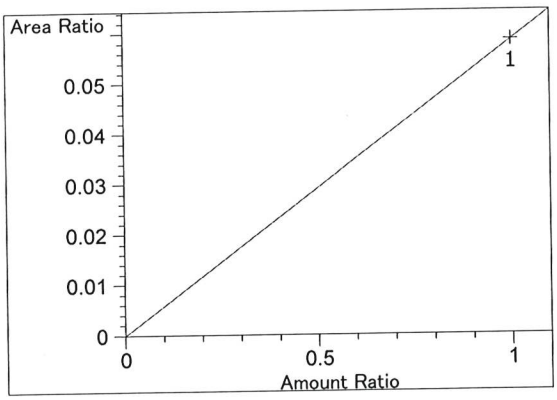
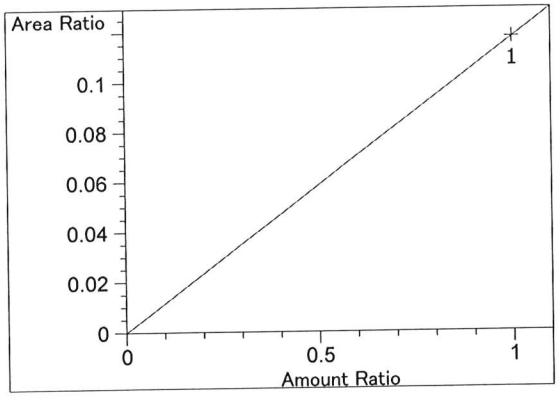
Method C:\CHEM32\1\METHODS\ALCOHOL.M



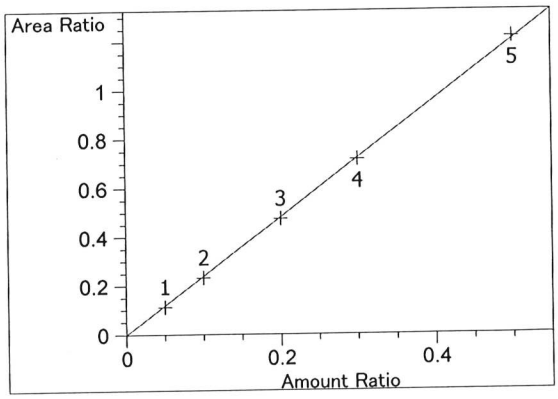

Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00207
Formula: y = mx
m: 2.22817
x: Amount Ratio
y: Area Ratio




Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.85312e-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: 1.17773e-1
x: Amount Ratio
y: Area Ratio




Ethanol at exp. RT: 4.184
FID2 B, Back Signal
Correlation: 0.99993
Residual Std. Dev.: 0.00920
Formula: y = mx
m: 2.41434
x: Amount Ratio
y: Area Ratio

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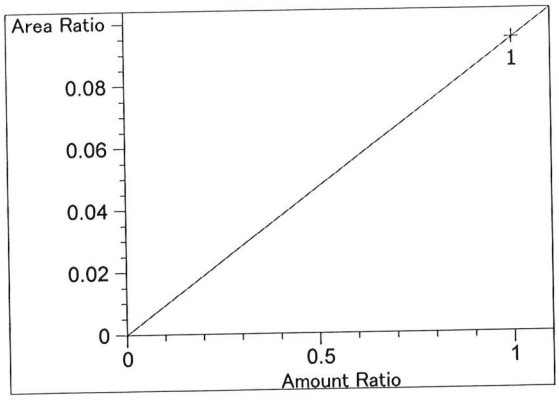
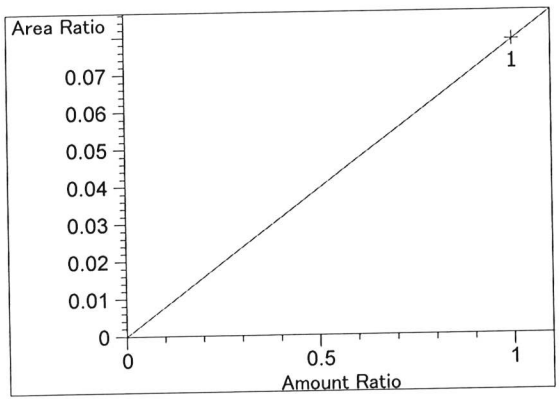
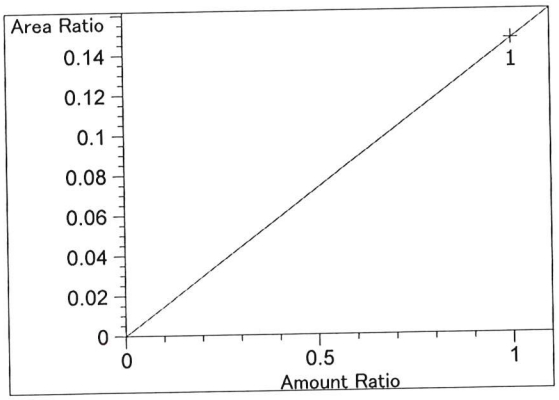


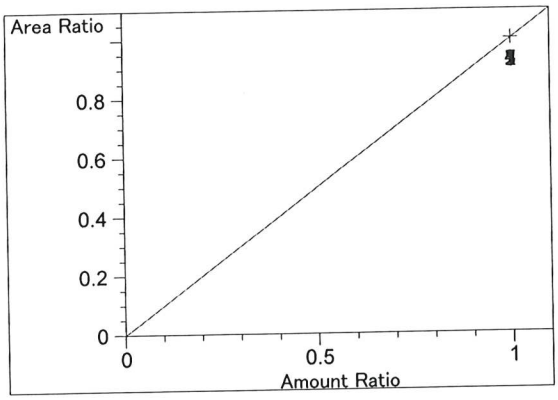

Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.46941e-2
x: Amount Ratio
y: Area Ratio




Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.86653e-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: 1.47082e-1
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 4.946
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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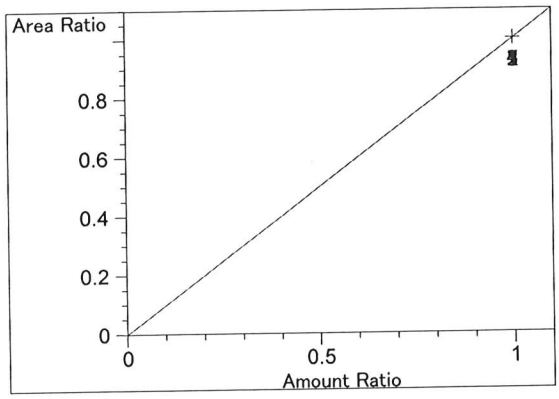
Method C:\CHEM32\1\METHODS\ALCOHOL.M




n-Propanol at exp. RT: 7.630
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_21.02.2021_10.27.04\2-21-2021cal.S

# Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_21.02.2021_10.27.04\2-21-2021cal.S
Data directory path: C:\Chem32\1\Data\2-21-2021CAL
Logbook: C:\Chem32\1\Data\2-21-2021CAL\2-21-2021cal.LOG
Sequence start: 2/21/2021 10:40:47 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | WATER | - | 1.0000 | 001F0101.D | | 0 |
| 2 | 2 | 1 | 0.05 | - | 1.0000 | 002F0201.D | * | 4 |
| 3 | 3 | 1 | 0.100 | - | 1.0000 | 003F0301.D | * | 4 |
| 4 | 4 | 1 | 0.200 | - | 1.0000 | 004F0401.D | * | 4 |
| 5 | 5 | 1 | 0.300 | - | 1.0000 | 005F0501.D | * | 4 |
| 6 | 6 | 1 | 0.500 | - | 1.0000 | 006F0601.D | * | 4 |
| 7 | 7 | 1 | ISTD BLANK | - | 1.0000 | 007F0701.D | | 2 |

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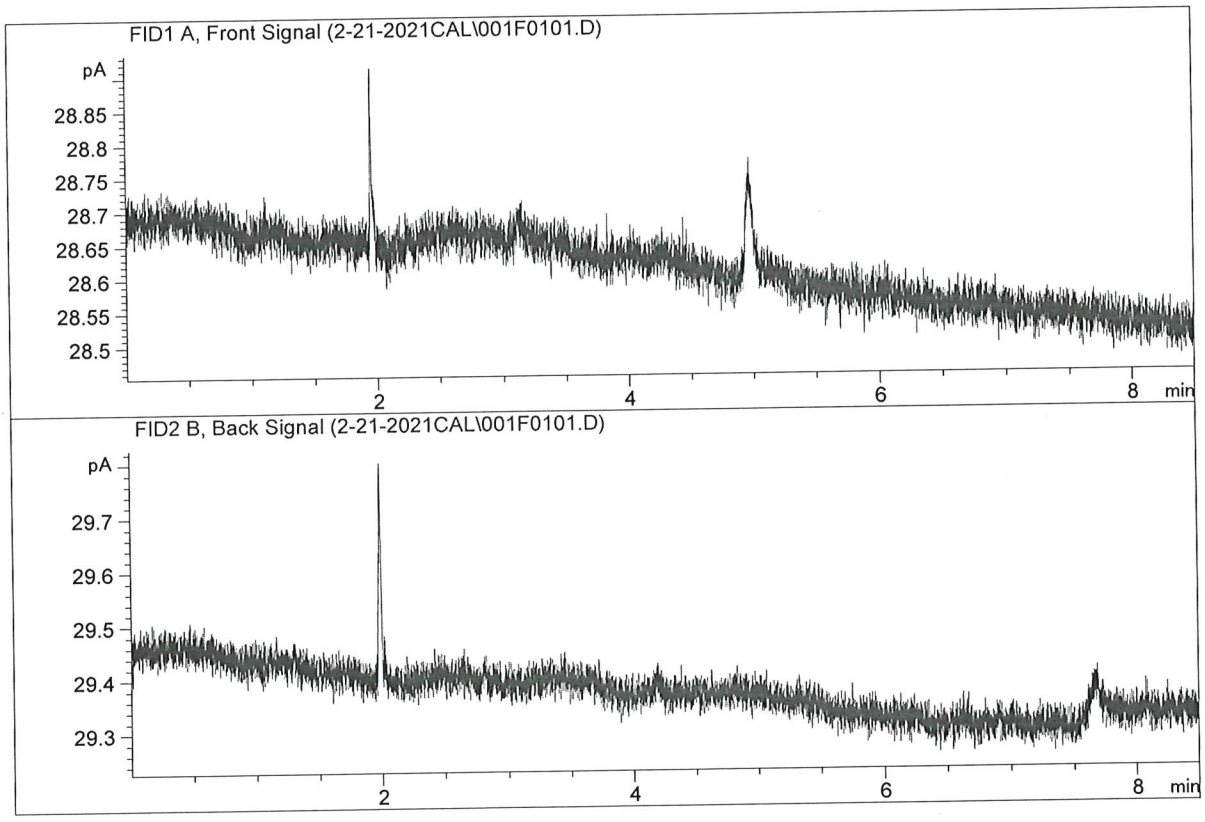
# ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

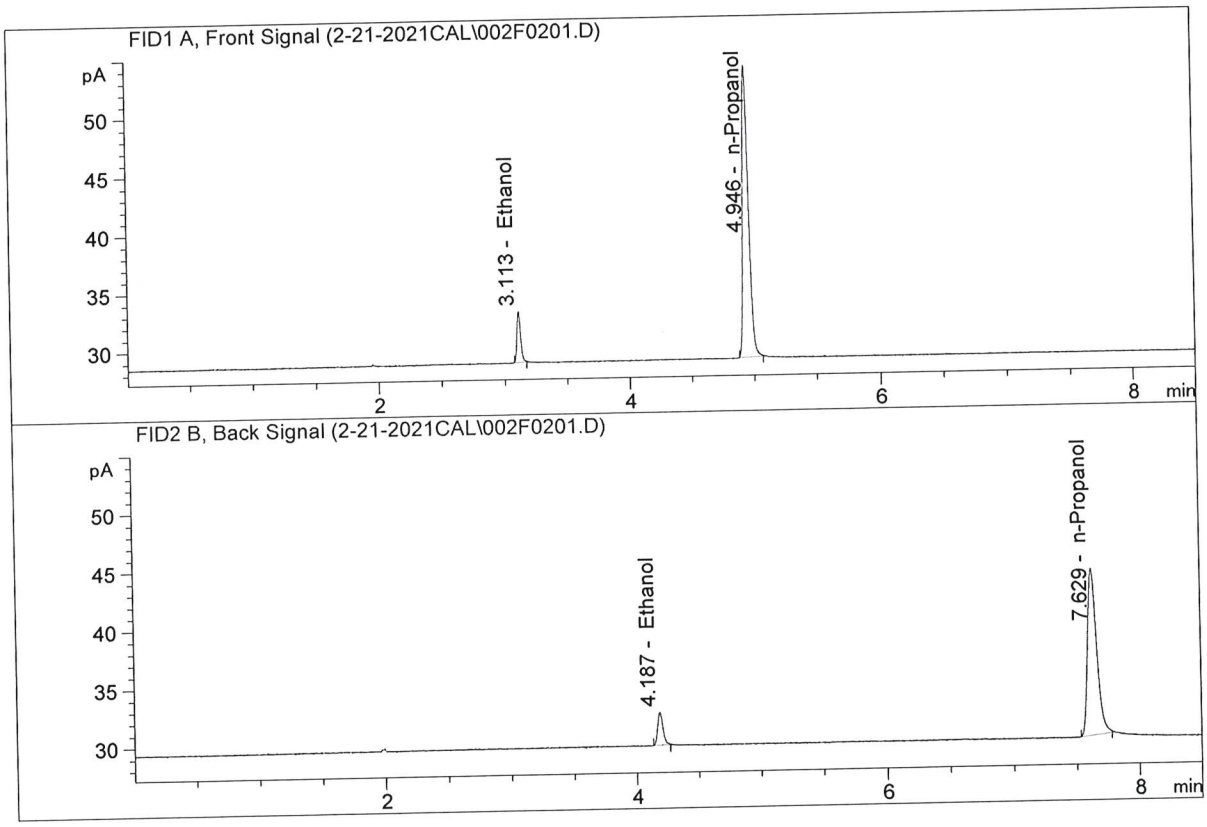



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 0.00000 | 0.0000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

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

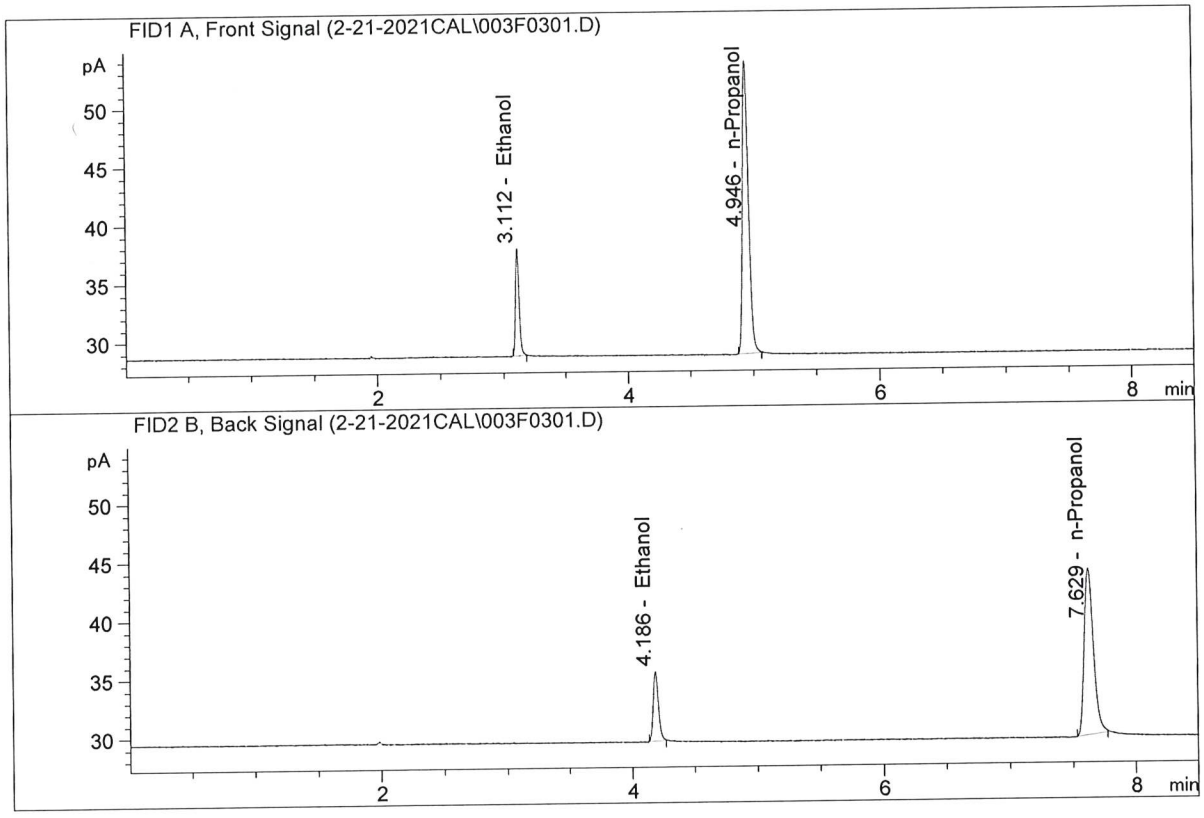



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 8.87776 | 0.0482 | g/100cc |
| 2. | Ethanol | Column 2: | 8.21267 | 0.0467 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.62093 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.79237 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

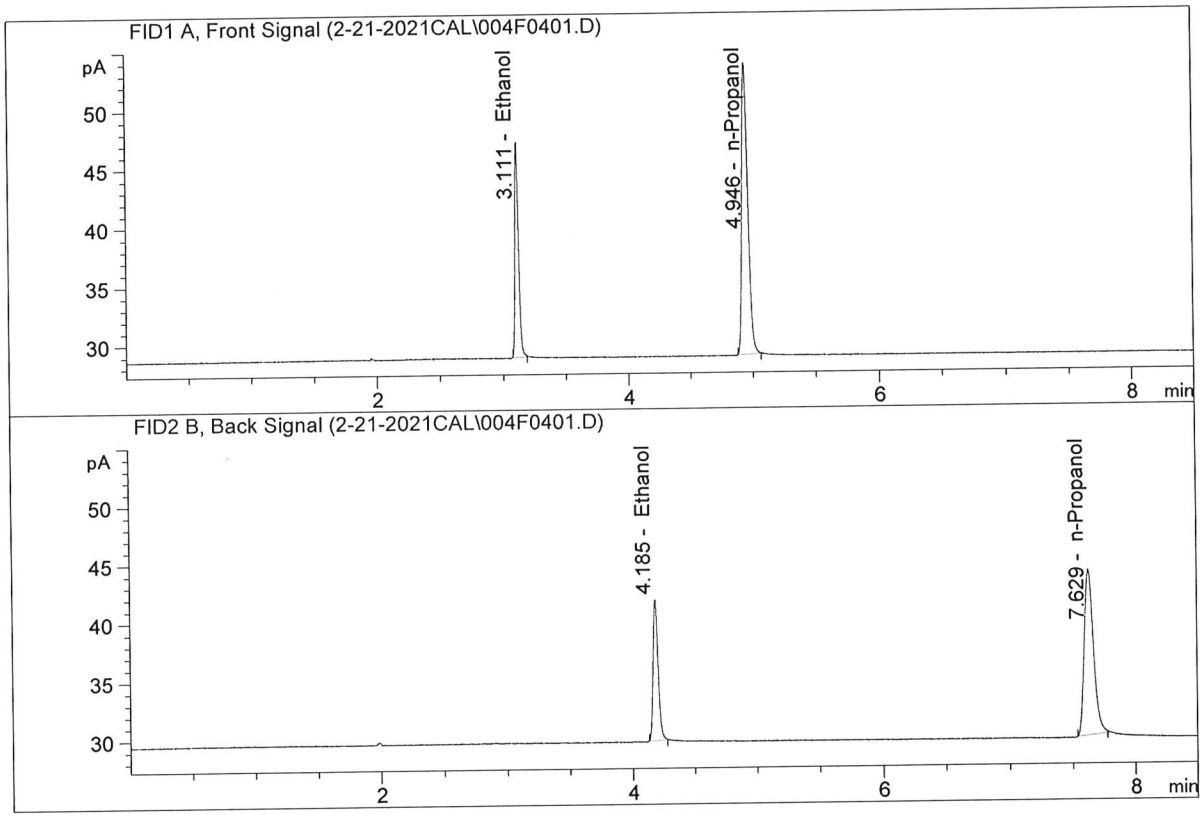



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.46337 | 0.1002 | g/100cc |
| 2. | Ethanol | Column 2: | 16.90833 | 0.0966 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.70557 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.49750 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

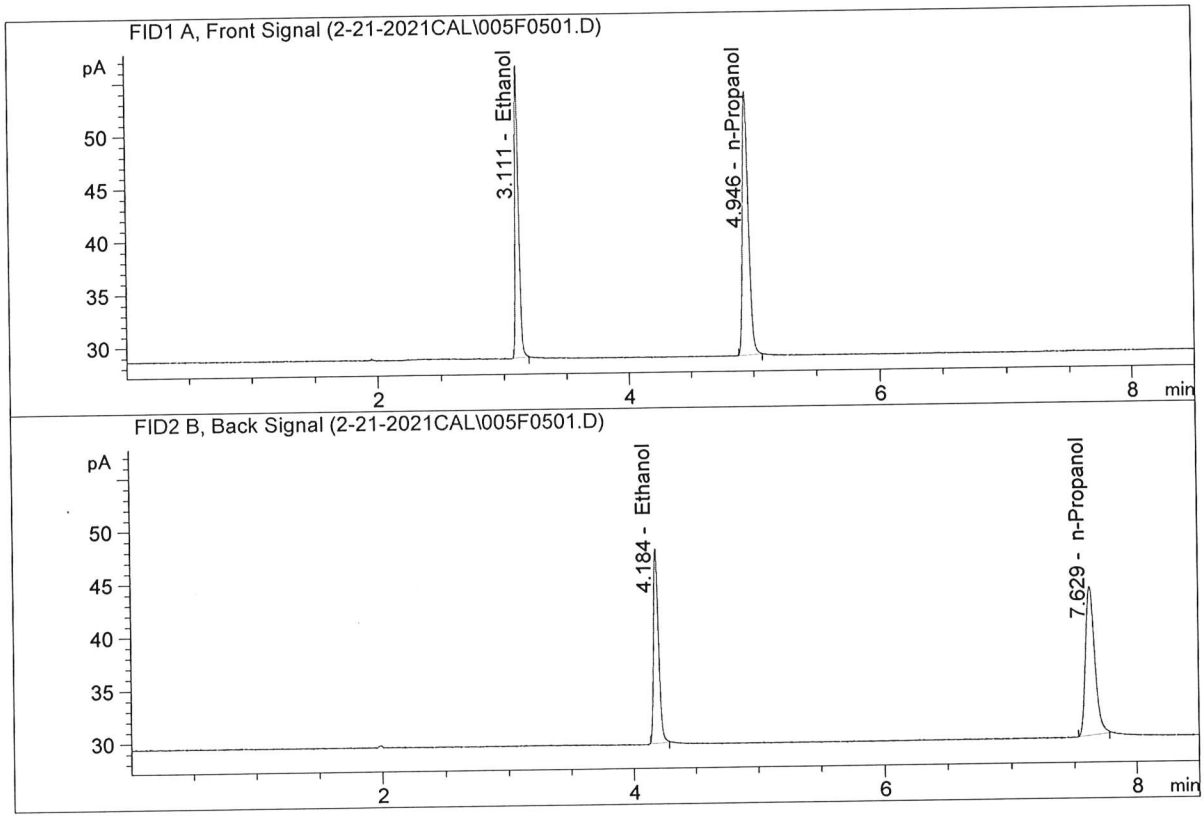



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.60487 | 0.1996 | g/100cc |
| 2. | Ethanol | Column 2: | 34.06771 | 0.1965 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.31683 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 71.81860 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

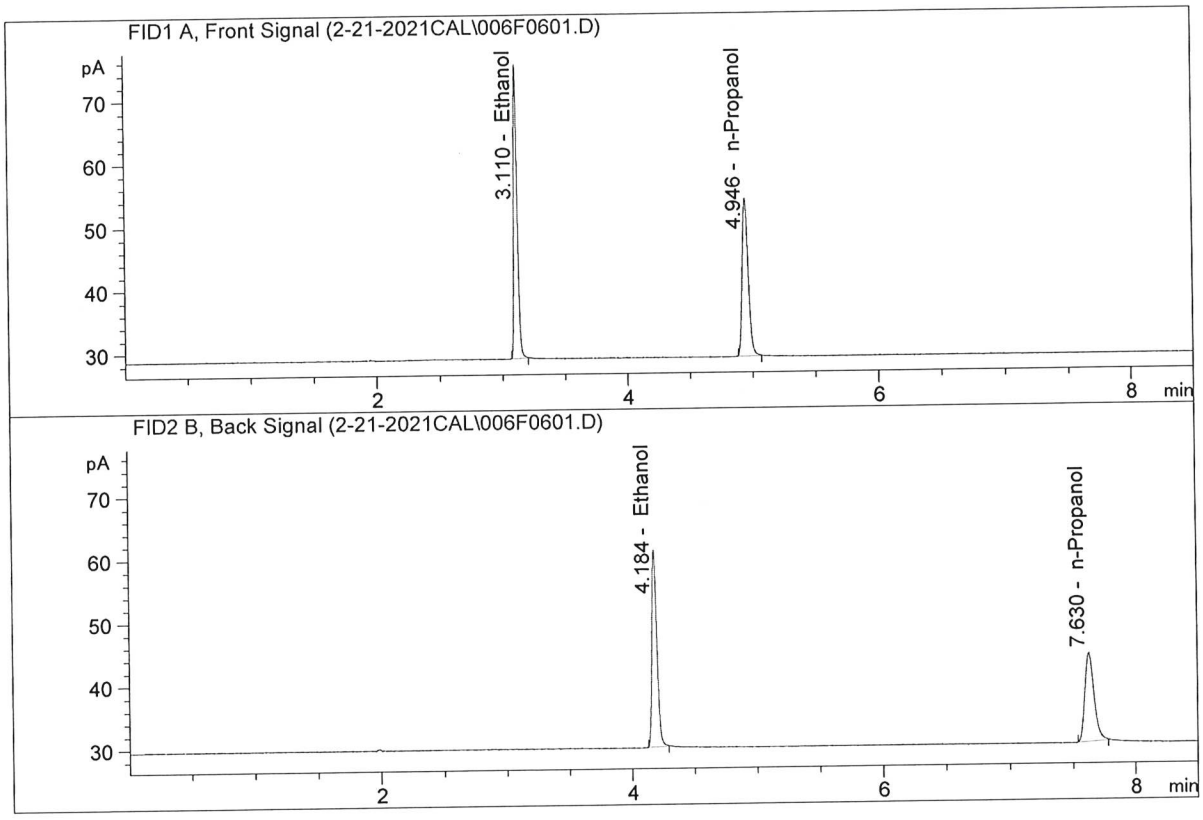



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 55.22387 | 0.3002 | g/100cc |
| 2. | Ethanol | Column 2: | 51.68339 | 0.2973 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.56317 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.00061 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

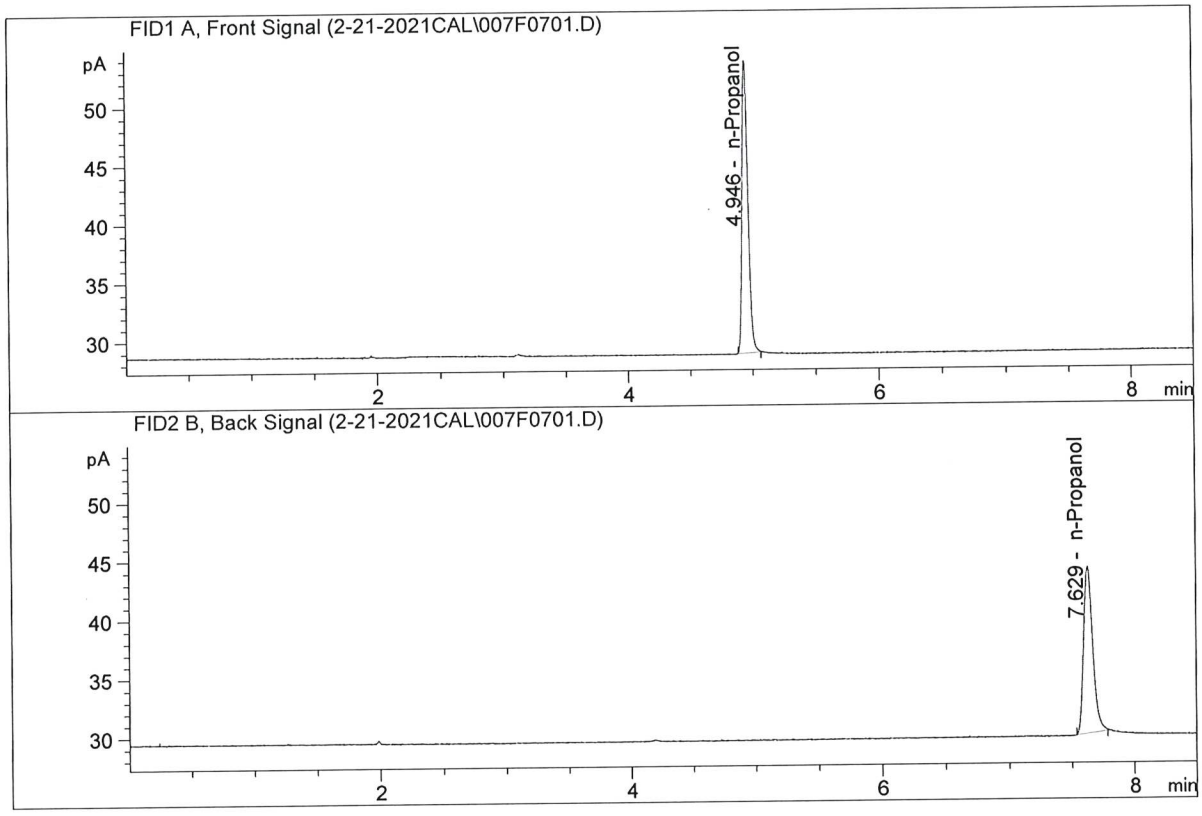



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 91.91942 | 0.5002 | g/100cc |
| 2. | Ethanol | Column 2: | 86.99012 | 0.5040 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.47392 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 71.48544 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

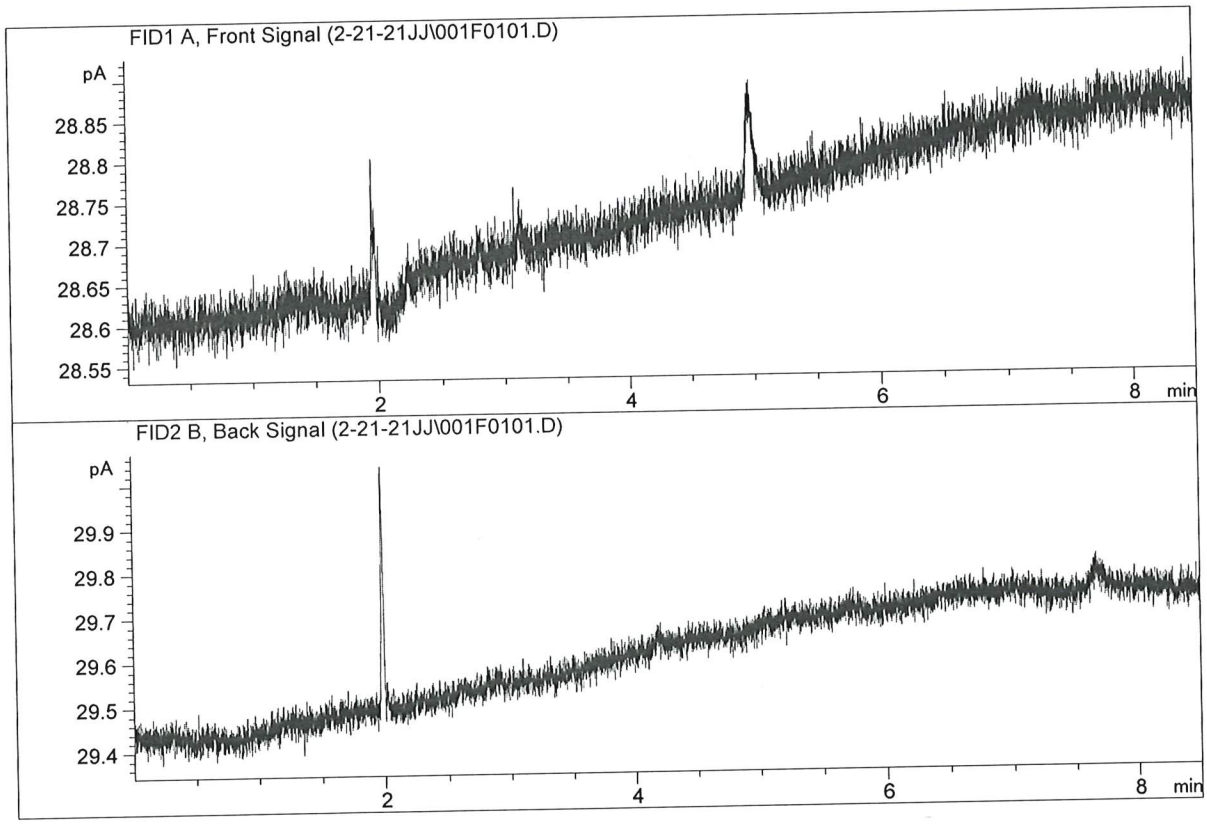
Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | 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: | 82.57030 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.28064 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

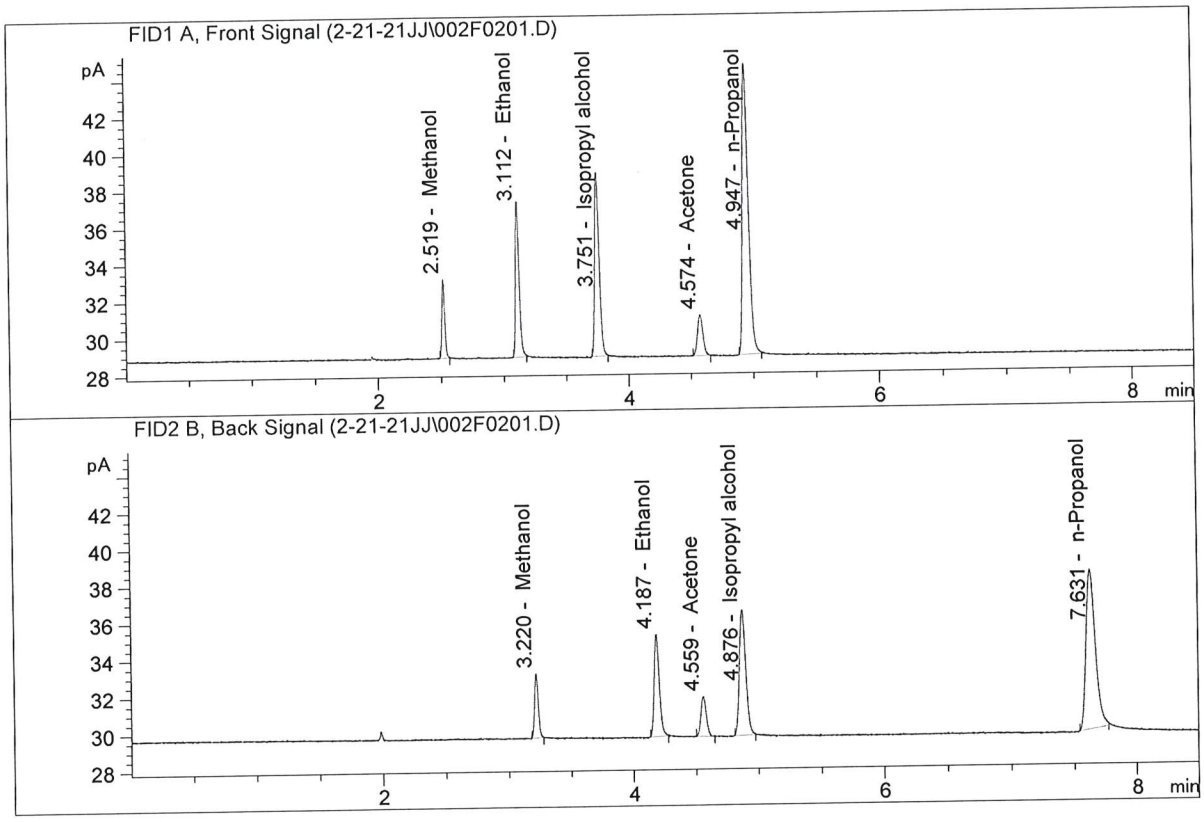
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | 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

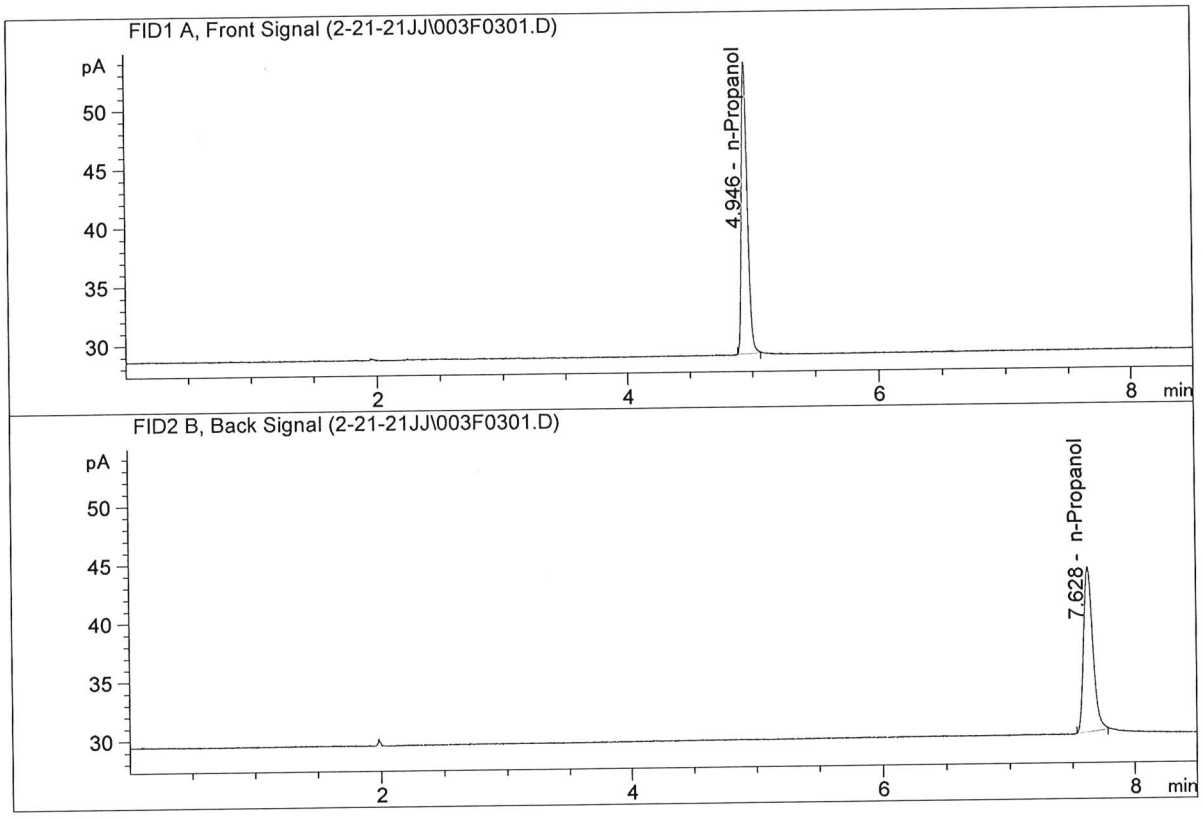
Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.06956 | 0.1461 | g/100cc |
| 2. | Ethanol | Column 2: | 15.83320 | 0.1478 | g/100cc |
| 3. | n-Propanol | Column 1: | 52.44604 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.37353 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
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: | 82.04140 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 71.87942 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC-2(1)** **Analysis Date(s): 21 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.1945 | 0.1917 | 0.0028 | 0.1931 | 0.0011 | 0.1936 |
| (g/100cc) | 0.1964 | 0.1920 | 0.0044 | 0.1942 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.193** | **0.183** | **0.203** | **0.010** |

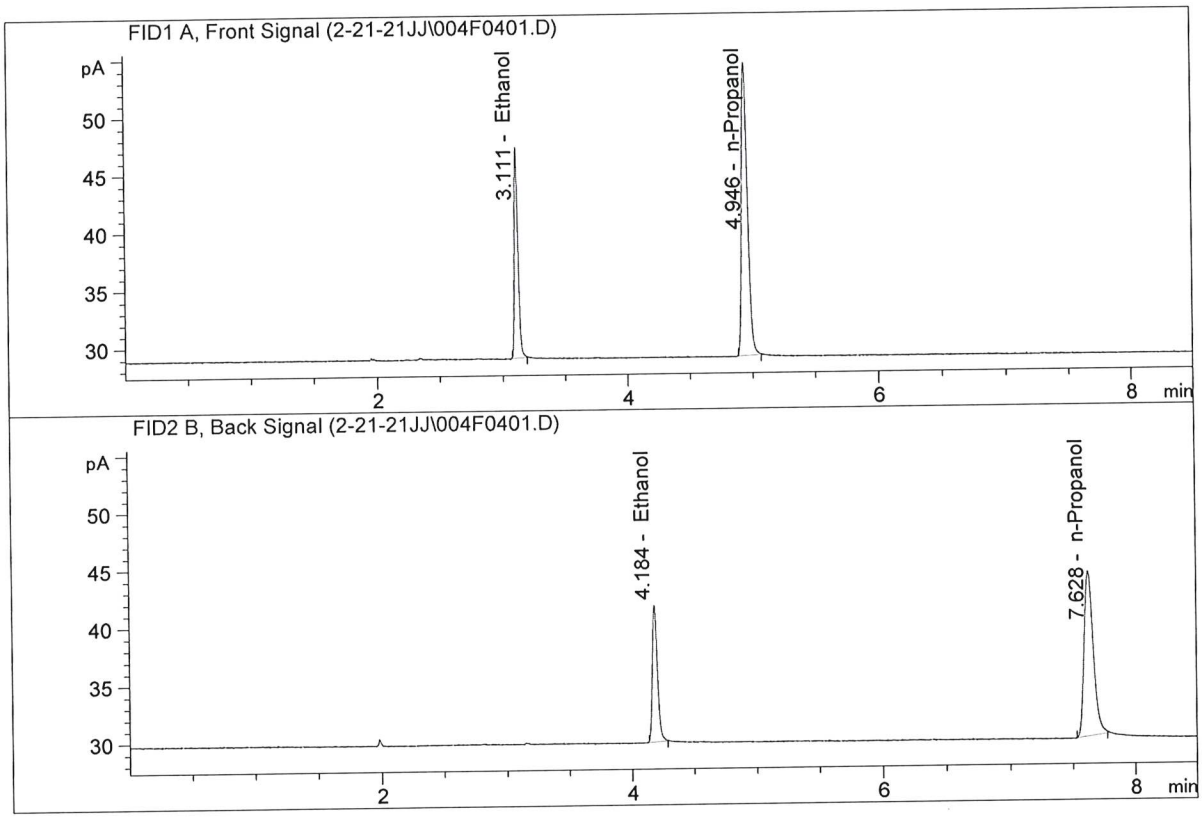
| | Reported Result | |
|---|---|---|
| | **0.193** | |

***Calibration and control data are stored centrally.***

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

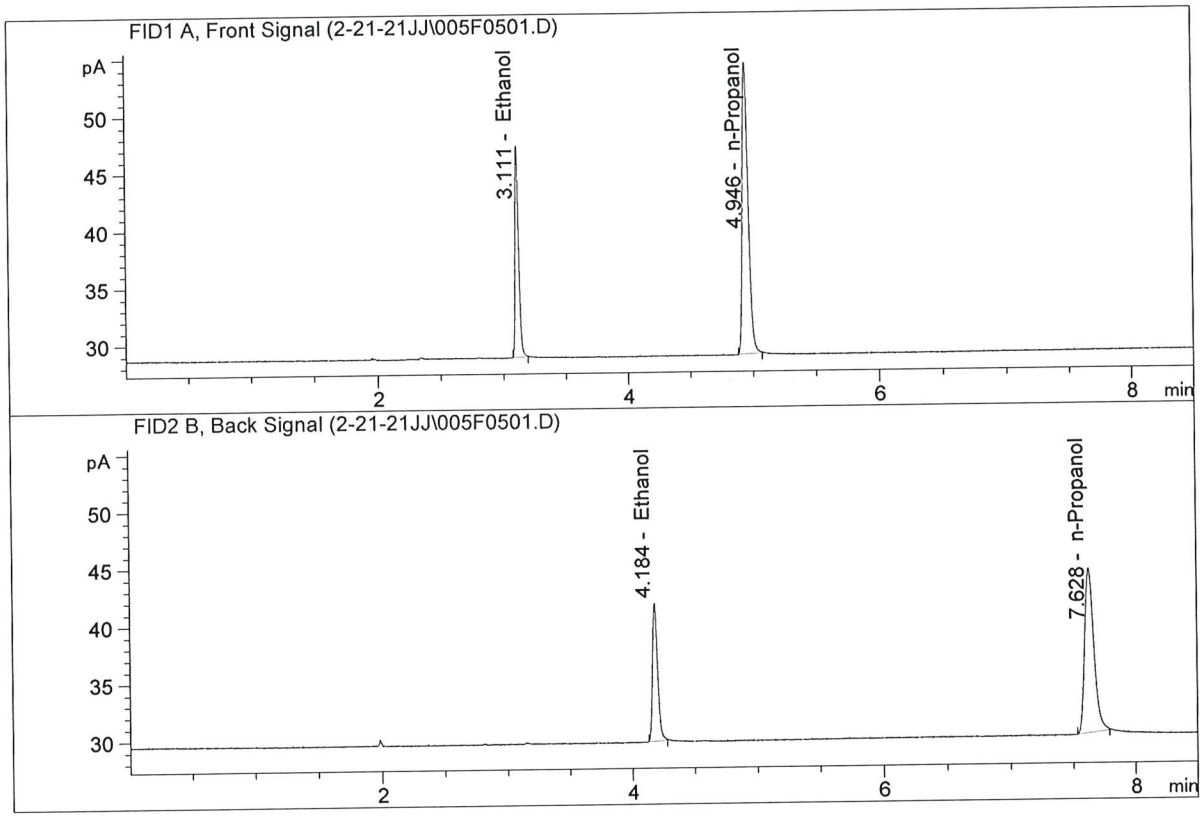



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.40083 | 0.1945 | g/100cc |
| 2. | Ethanol | Column 2: | 33.74626 | 0.1917 | g/100cc |
| 3. | n-Propanol | Column 1: | 83.99957 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.91640 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.86789 | 0.1964 | g/100cc |
| 2. | Ethanol | Column 2: | 34.08863 | 0.1920 | g/100cc |
| 3. | n-Propanol | Column 1: | 84.25512 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 73.53289 | 1.0000 | g/100cc |

99

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN09181807** **Analysis Date(s): 21 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0805 | 0.0780 | 0.0025 | 0.0792 | 0.0004 | 0.0794 |
| (g/100cc) | 0.0810 | 0.0782 | 0.0028 | 0.0796 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**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 |

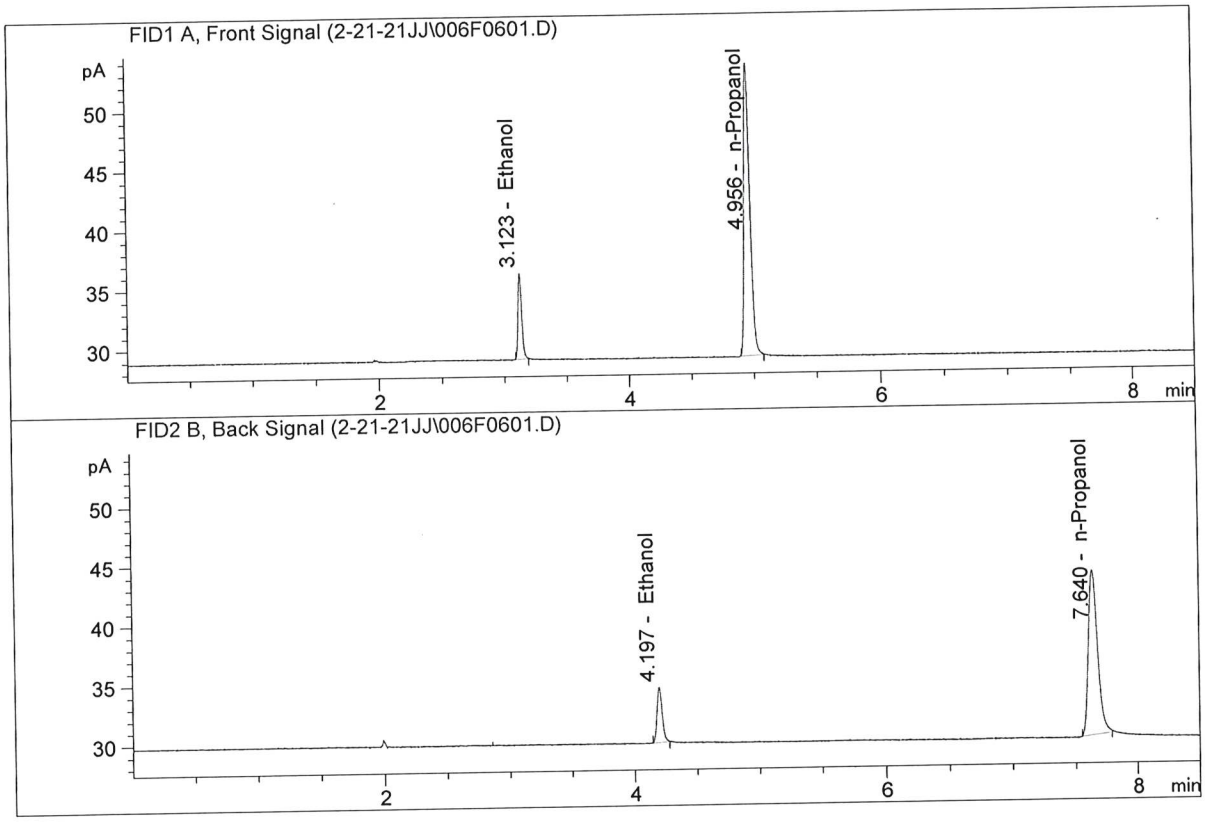
| | Reported Result | |
|---|---|---|
| | 0.079 | |

***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 : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

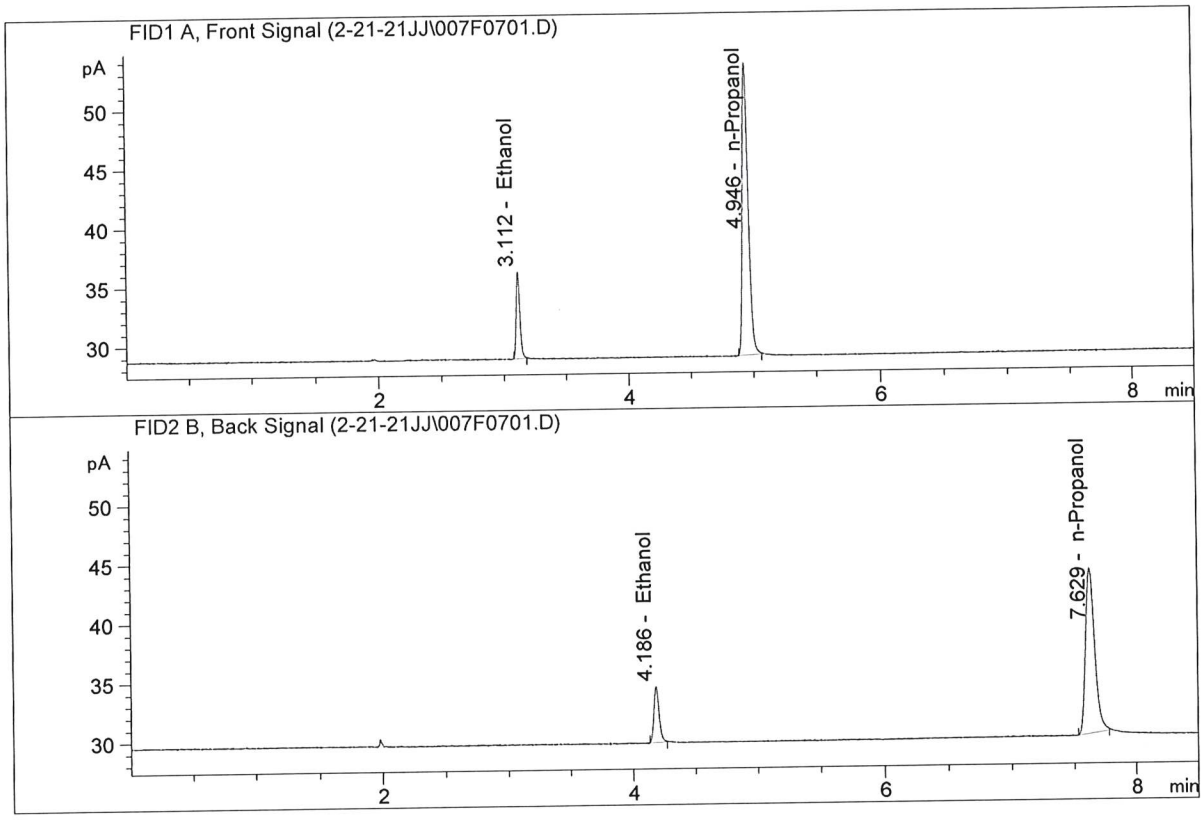



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.52194 | 0.0805 | g/100cc |
| 2. | Ethanol | Column 2: | 13.29660 | 0.0780 | g/100cc |
| 3. | n-Propanol | Column 1: | 80.97860 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 70.56522 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.73834 | 0.0810 | g/100cc |
| 2. | Ethanol | Column 2: | 13.44554 | 0.0782 | g/100cc |
| 3. | n-Propanol | Column 1: | 81.69936 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 71.21388 | 1.0000 | g/100cc |

99

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC-2(2)** **Analysis Date(s): 21 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.1944 | 0.1914 | 0.0030 | 0.1929 | 0.0013 | 0.1922 |
| (g/100cc) | 0.1941 | 0.1892 | 0.0049 | 0.1916 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

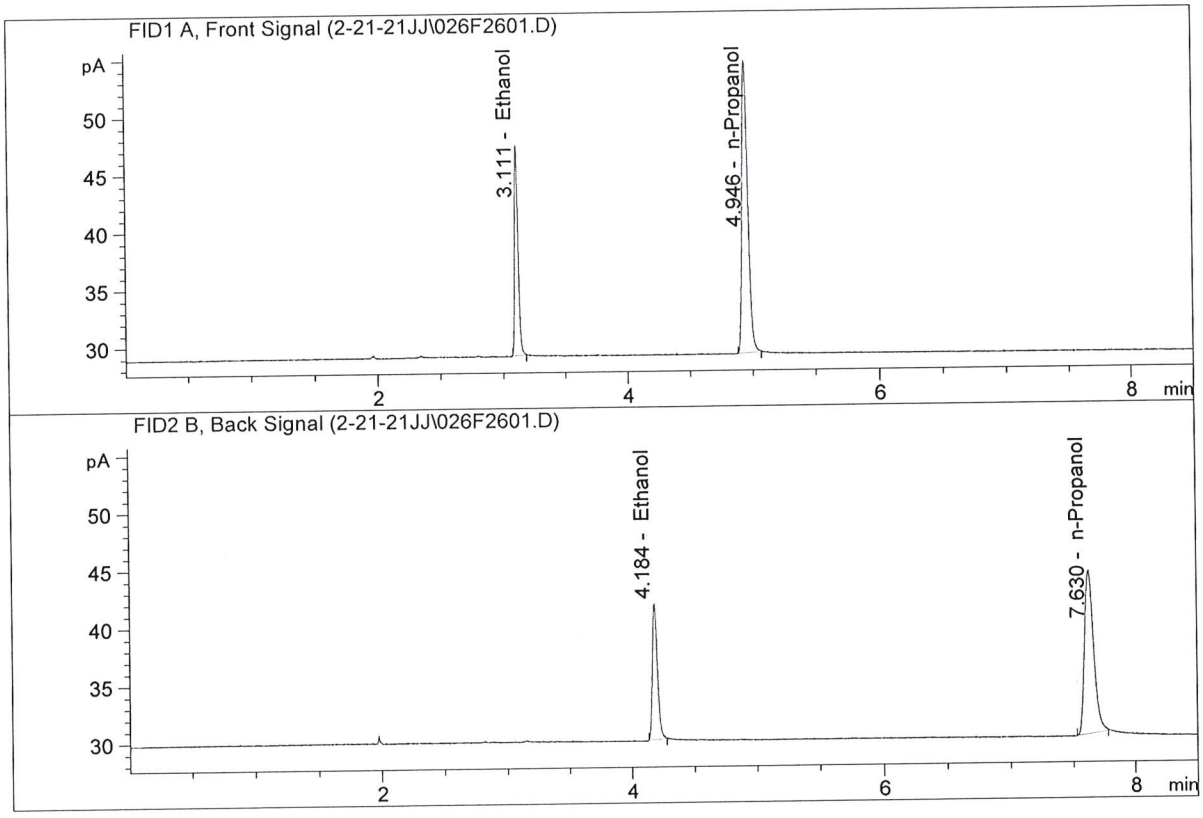
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.192 | 0.182 | 0.202 | 0.010 |

| | Reported Result | |
|---|---|---|
| | 0.192 | |

***Calibration and control data are stored centrally.***

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-A
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

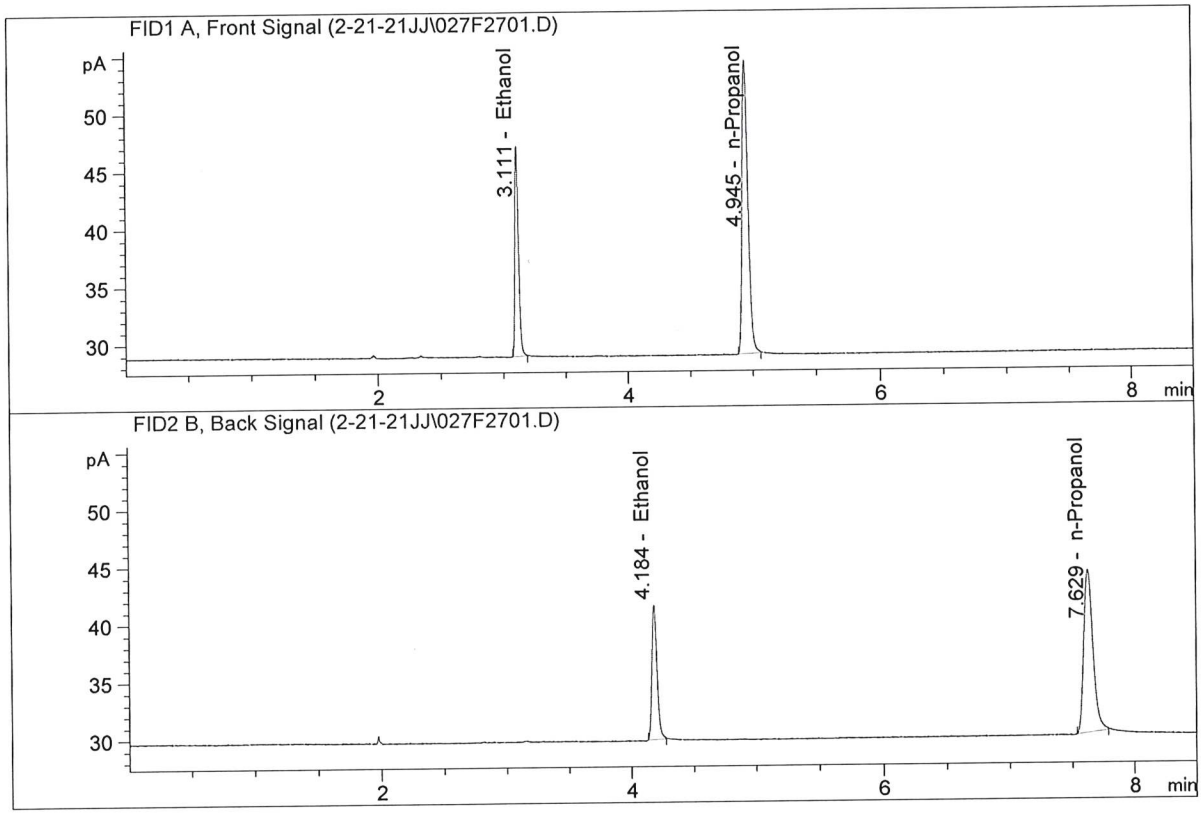



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.36892 | 0.1944 | g/100cc |
| 2. | Ethanol | Column 2: | 33.28686 | 0.1914 | g/100cc |
| 3. | n-Propanol | Column 1: | 83.97481 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.05127 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.32419 | 0.1941 | g/100cc |
| 2. | Ethanol | Column 2: | 33.09434 | 0.1892 | g/100cc |
| 3. | n-Propanol | Column 1: | 84.00881 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 72.44610 | 1.0000 | g/100cc |

99

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC-1(2)** **Analysis Date(s): 21 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0755 | 0.0727 | 0.0028 | 0.0741 | 0.0011 | 0.0746 |
| (g/100cc) | 0.0766 | 0.0739 | 0.0027 | 0.0752 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.074 | 0.070 | 0.078 | 0.004 |

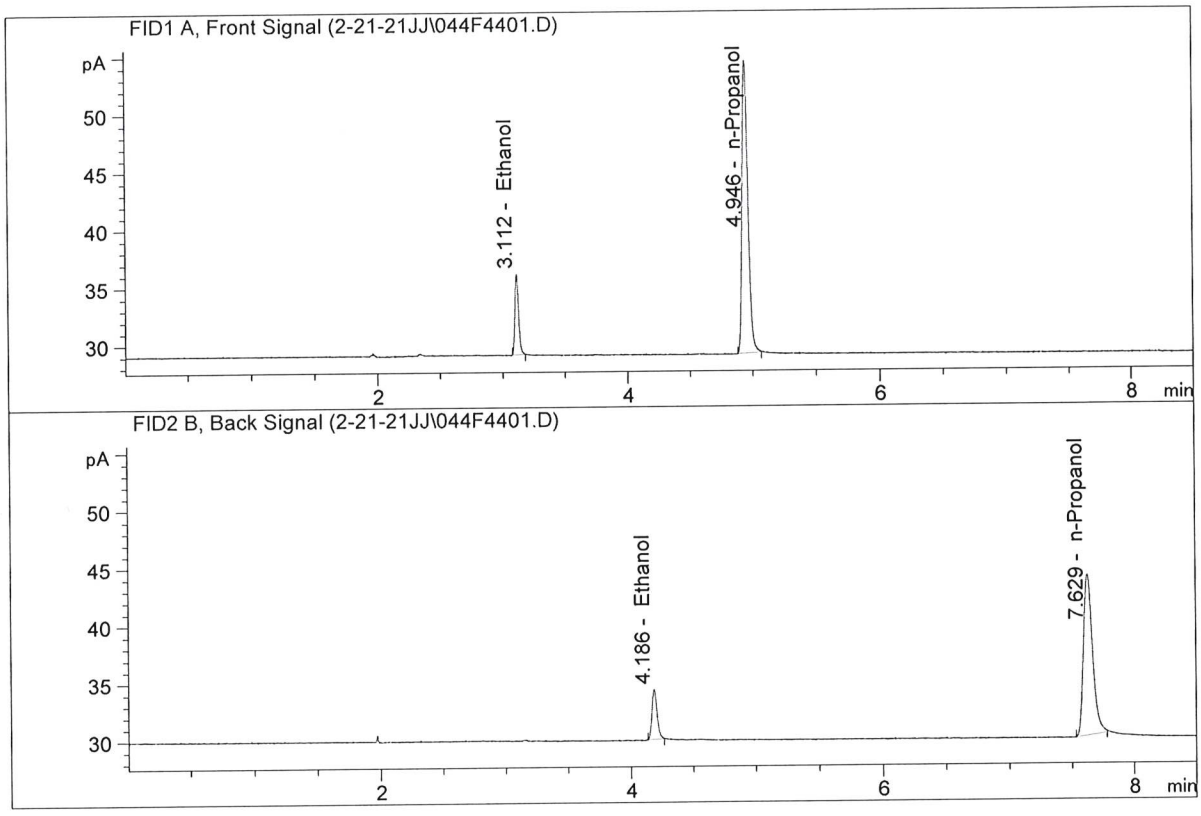
| | Reported Result | |
|---|---|---|
| | 0.074 | |

***Calibration and control data are stored centrally.***

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

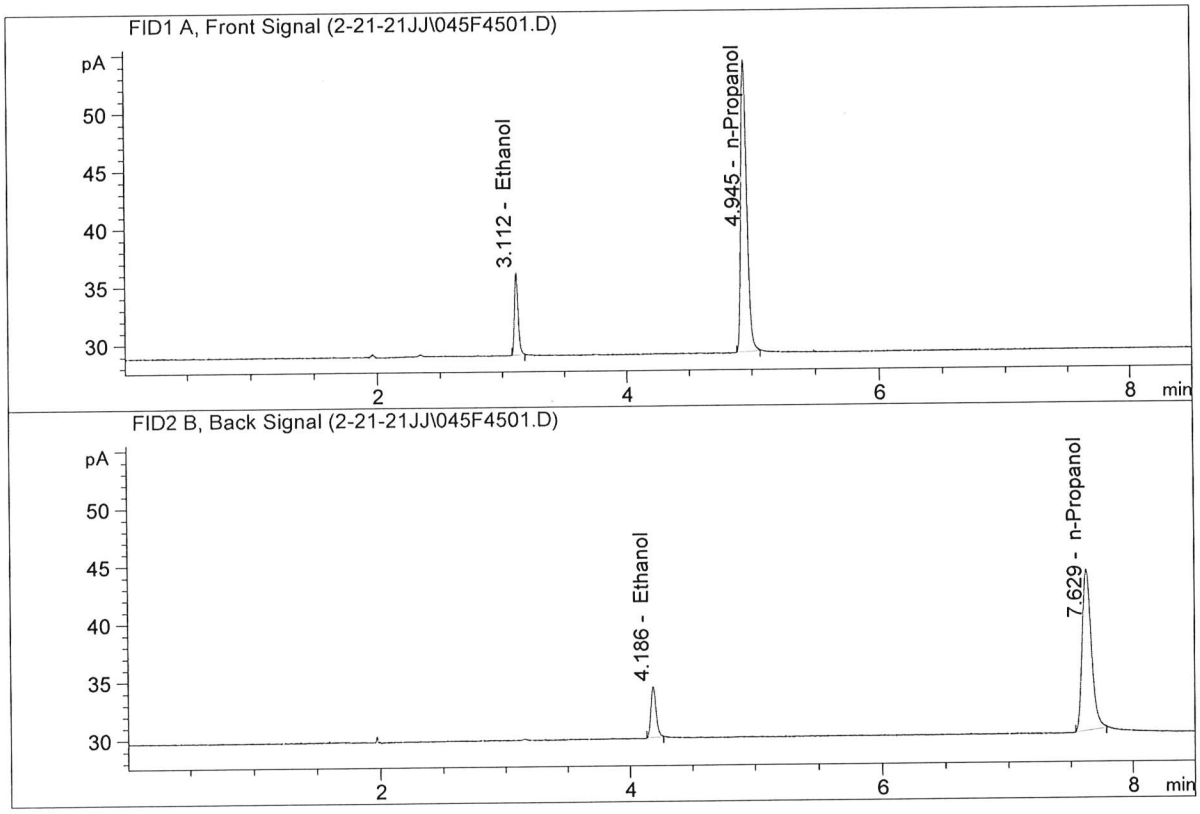



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.09385 | 0.0755 | g/100cc |
| 2. | Ethanol | Column 2: | 12.50518 | 0.0727 | g/100cc |
| 3. | n-Propanol | Column 1: | 83.78964 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 71.25766 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-B
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

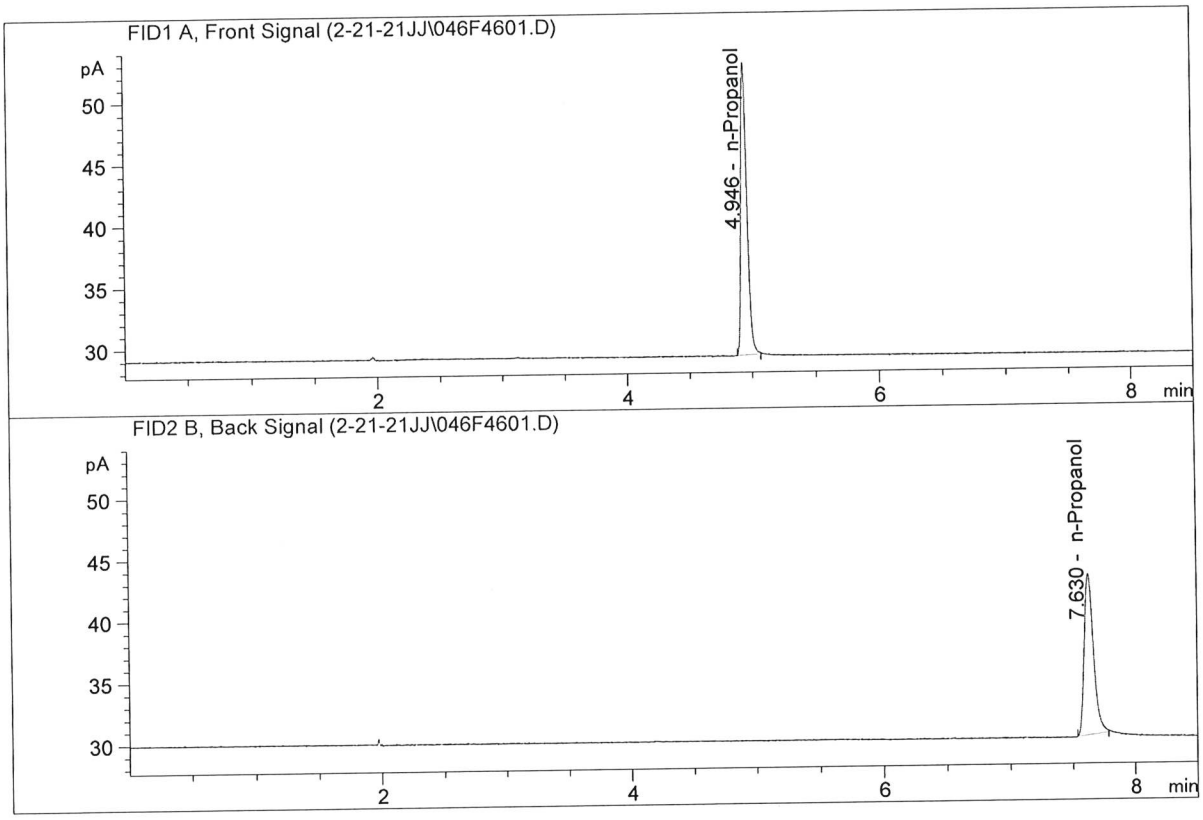



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.19205 | 0.0766 | g/100cc |
| 2. | Ethanol | Column 2: | 12.67233 | 0.0739 | g/100cc |
| 3. | n-Propanol | Column 1: | 83.14691 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 70.97981 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

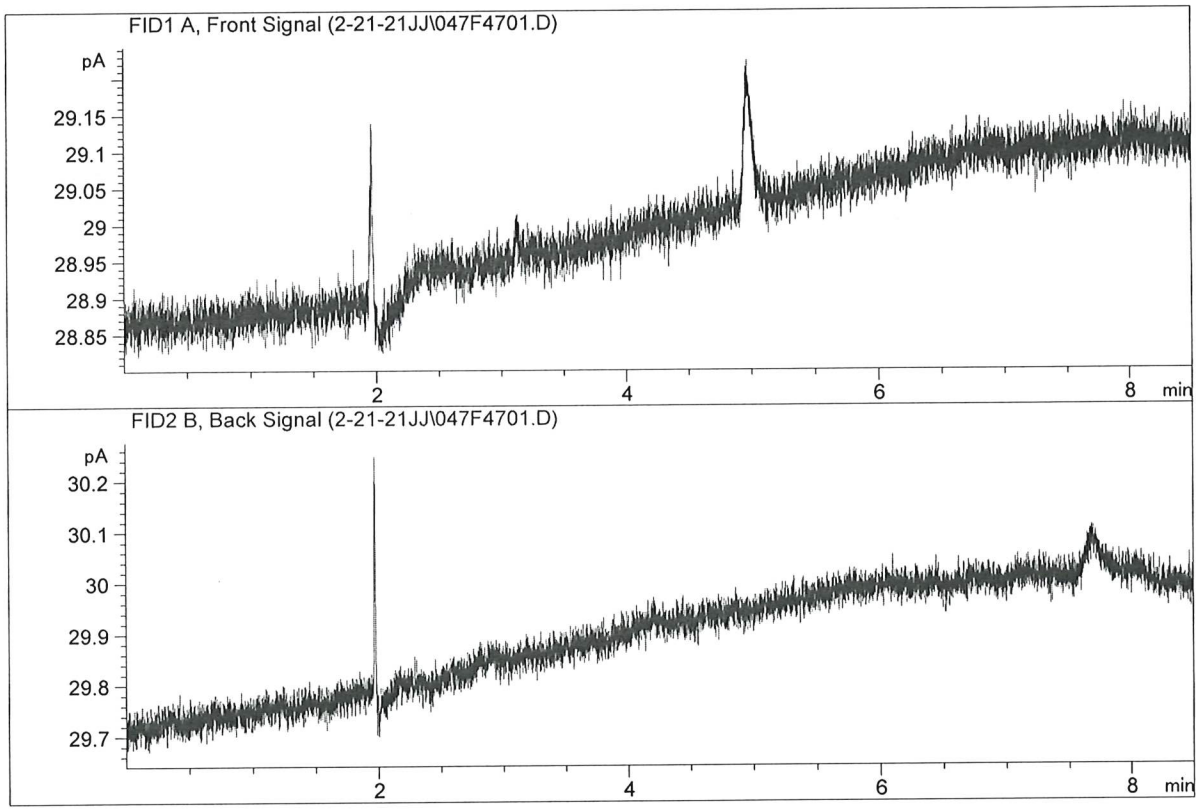



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 78.63280 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 67.08681 | 1.0000 | g/100cc |

99

# ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Feb 21, 2021
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

## 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): 2-23-2021** (*calibrated 2-21-21*)

*worklist #4795*

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jan-22 | 1801036 | 0.0812 | 0.0731-0.0893 | 0.0771 g/100cc |
| | | | | | g/100cc |
| | | | | | g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.2076 g/100cc |
| | | | | | g/100cc |
| | | | | | g/100cc |
| **Multi-Component mixture:** | | **Jul-22** | **Lot #** | FN07101701 | OK |
| **Curve Fit:** | | **Column 1** | 1.00000 | **Column2** | 0.99993 |

**Ethanol Calibration Reference Material**

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0482 | 0.0467 | 0.0015 | 0.0474 |
| 100 | 0.100 | 0.090 - 0.110 | 0.1002 | 0.0966 | 0.0036 | 0.0984 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1996 | 0.1965 | 0.0031 | 0.198 |
| 300 | 0.300 | 0.270 - 0.330 | 0.3002 | 0.2973 | 0.0029 | 0.2987 |
| 400 | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 500 | 0.500 | 0.450 - 0.550 | 0.5002 | 0.5040 | 0.0038 | 0.5021 |

**Aqueous Controls**

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

Reviewed 2/24/20 RC



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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.02.2021_11.46.32\02-23-2021.S

## Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_23.02.2021_11.46.32\02-23-2021.S
Data directory path: C:\Chem32\1\Data\2-23-21JJ
Logbook: C:\Chem32\1\Data\2-23-21JJ\02-23-2021.LOG
Sequence start: 2/23/2021 12:00:18 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 | - | 1.0000 | 002F0201.D | 10 |
| 3 | 3 | 1 | ISTD BLANK-1 | - | 1.0000 | 003F0301.D | 2 |
| 4 | 4 | 1 | QC-2(1)-A | - | 1.0000 | 004F0401.D | 4 |
| 5 | 5 | 1 | QC-2(1)-B | - | 1.0000 | 005F0501.D | 4 |
| 6 | 6 | 1 | 0.08 FN09181807- | - | 1.0000 | 006F0601.D | 4 |
| 7 | 7 | 1 | 0.08 FN09181807- | - | 1.0000 | 007F0701.D | 4 |
| 8 | 8 | 1 | C2021-0227-1-A | - | 1.0000 | 008F0801.D | 2 |
| 9 | 9 | 1 | C2021-0227-1-B | - | 1.0000 | 009F0901.D | 2 |
| 10 | 10 | 1 | C2021-0263-1-A | - | 1.0000 | 010F1001.D | 4 |
| 11 | 11 | 1 | C2021-0263-1-B | - | 1.0000 | 011F1101.D | 4 |
| 12 | 12 | 1 | QC-1(1)-A | - | 1.0000 | 012F1201.D | 4 |
| 13 | 13 | 1 | QC-1(1)-B | - | 1.0000 | 013F1301.D | 4 |
| 14 | 14 | 1 | ISTD BLANK-2 | - | 1.0000 | 014F1401.D | 2 |
| 15 | 15 | 1 | water-2 | - | 1.0000 | 015F1501.D | 0 |

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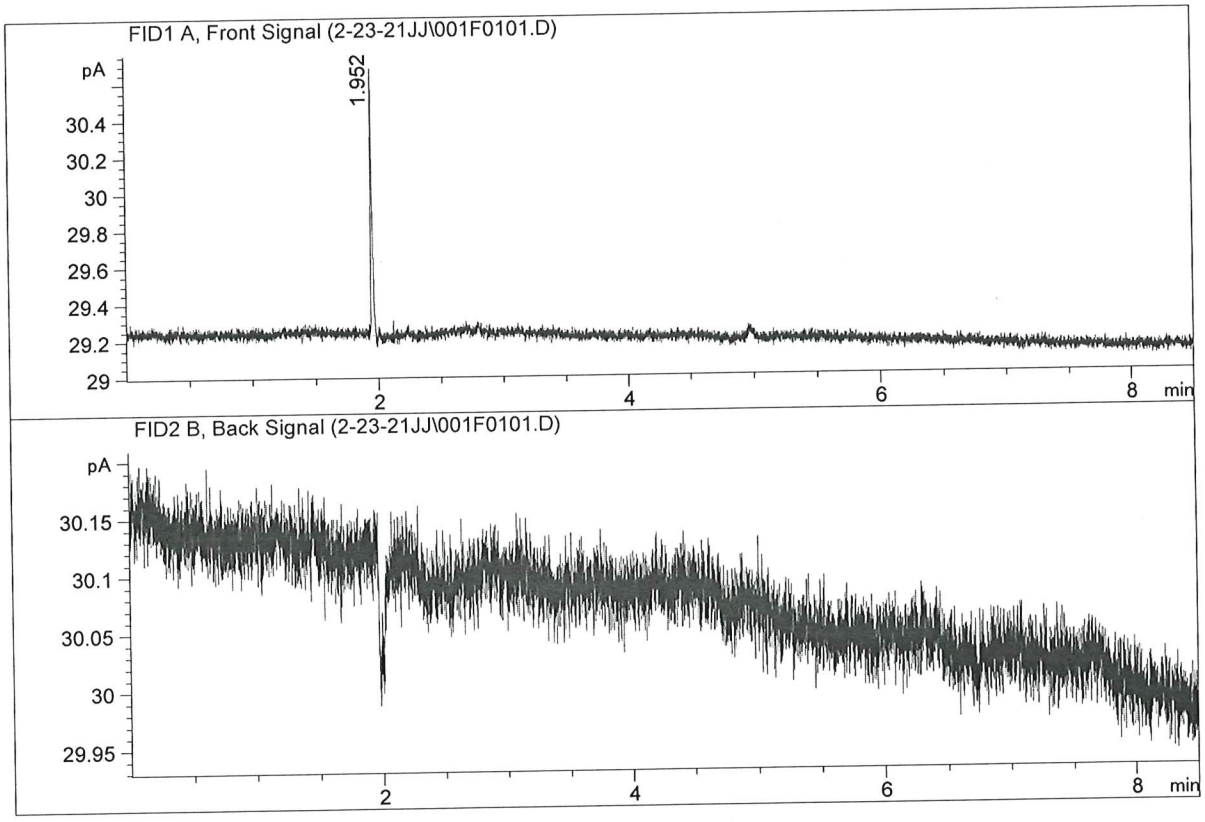
# ISP Forensic Services Blood Alcohol Report

Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




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

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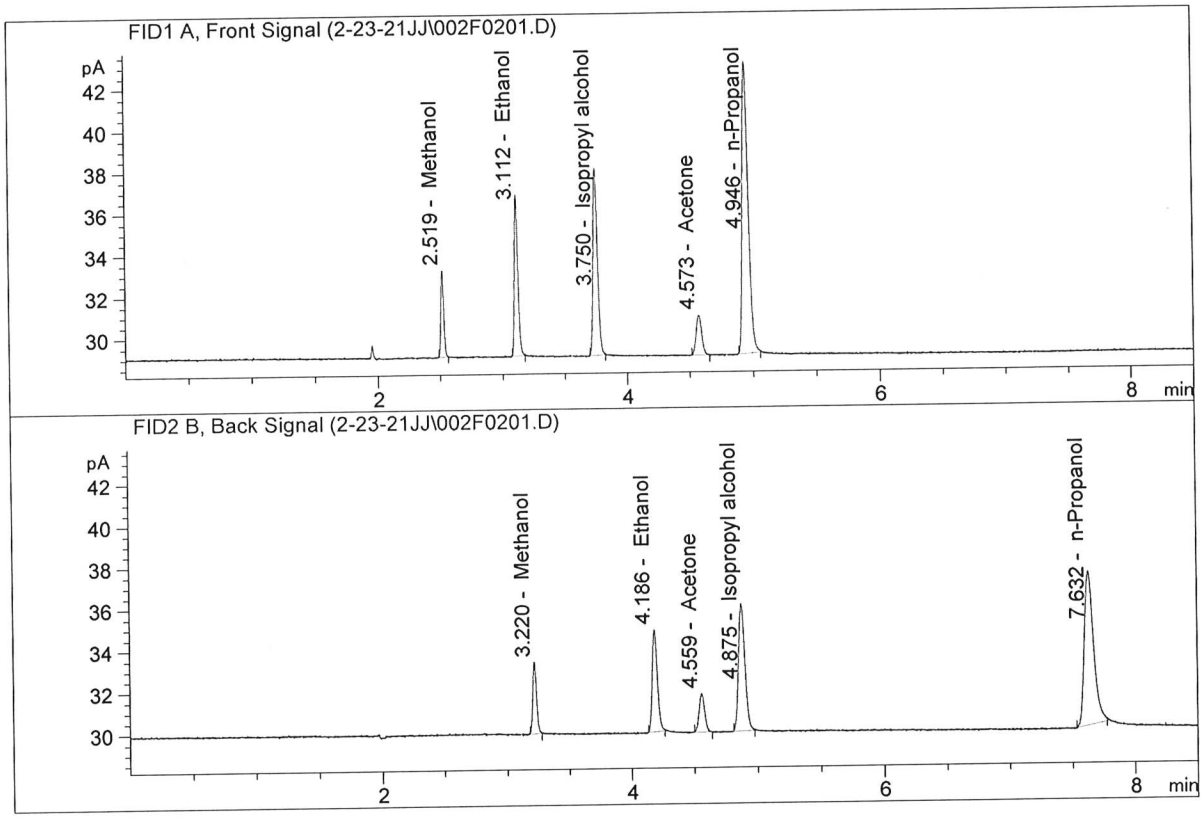
# ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 15.46753 | 0.1495 | g/100cc |
| 2. | Ethanol | Column 2: | 13.98573 | 0.1516 | g/100cc |
| 3. | n-Propanol | Column 1: | 46.53117 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 38.68942 | 1.0000 | g/100cc |

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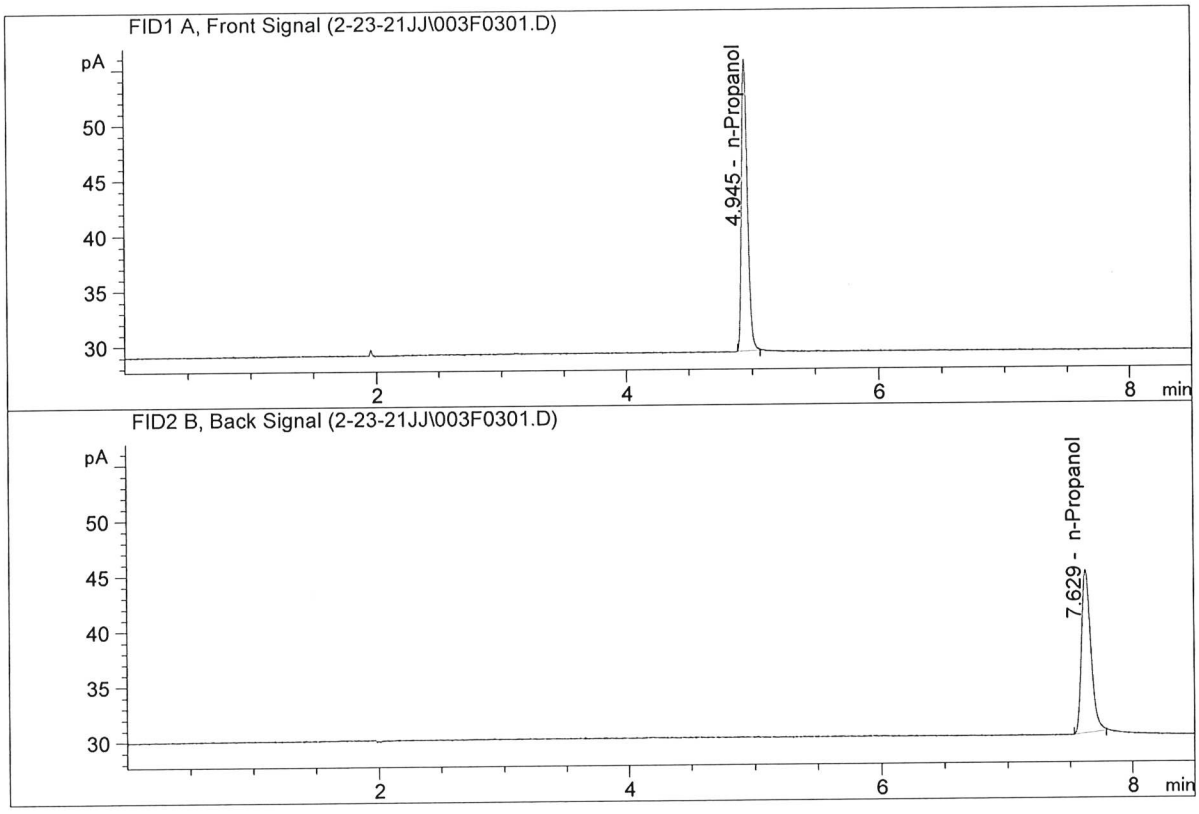
# ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 86.84253 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 75.79581 | 1.0000 | g/100cc |

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC-2(1)** **Analysis Date(s): 23 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.2086 | 0.2081 | 0.0005 | 0.2083 | 0.0014 | 0.2076 |
| (g/100cc) | 0.2074 | 0.2065 | 0.0009 | 0.2069 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.207 | 0.196 | 0.218 | 0.011 |

| | Reported Result | |
|---|---|---|
| | 0.207 | |

***Calibration and control data are stored centrally.***

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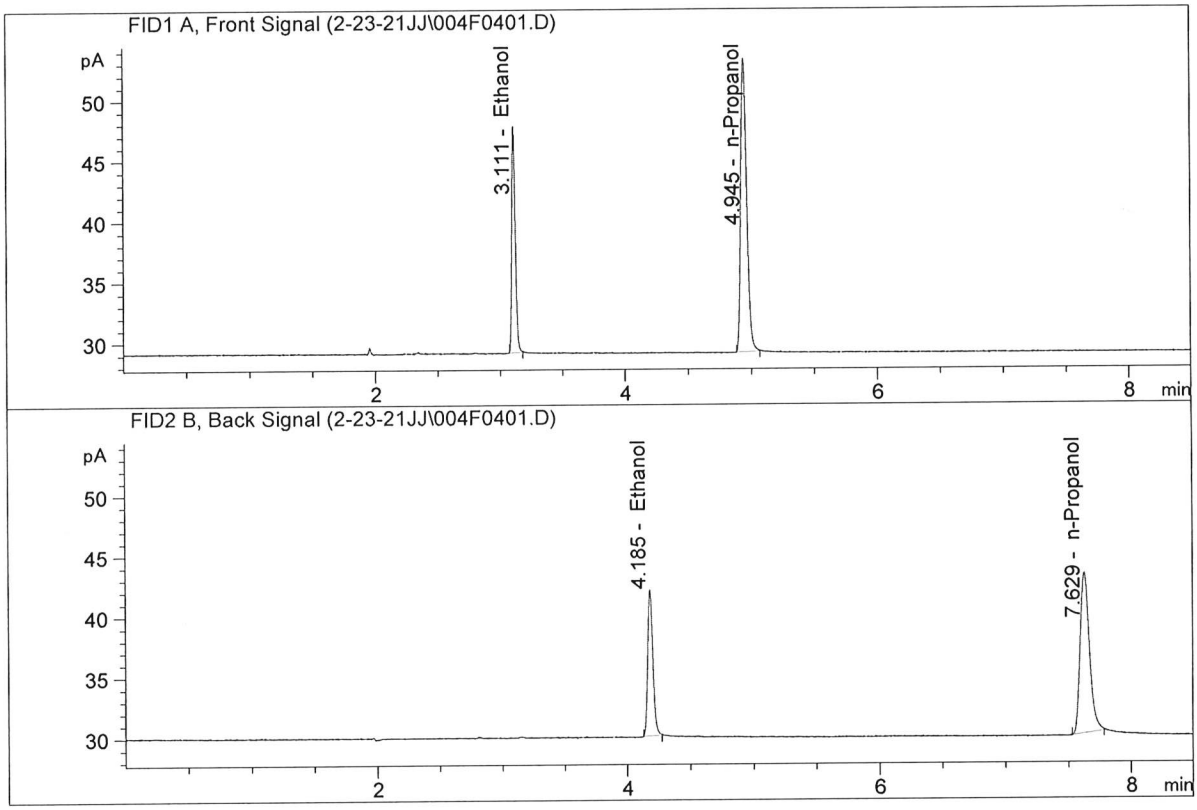
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 36.95725 | 0.2086 | g/100cc |
| 2. | Ethanol | Column 2: | 34.03743 | 0.2081 | g/100cc |
| 3. | n-Propanol | Column 1: | 79.62337 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 68.18784 | 1.0000 | g/100cc |

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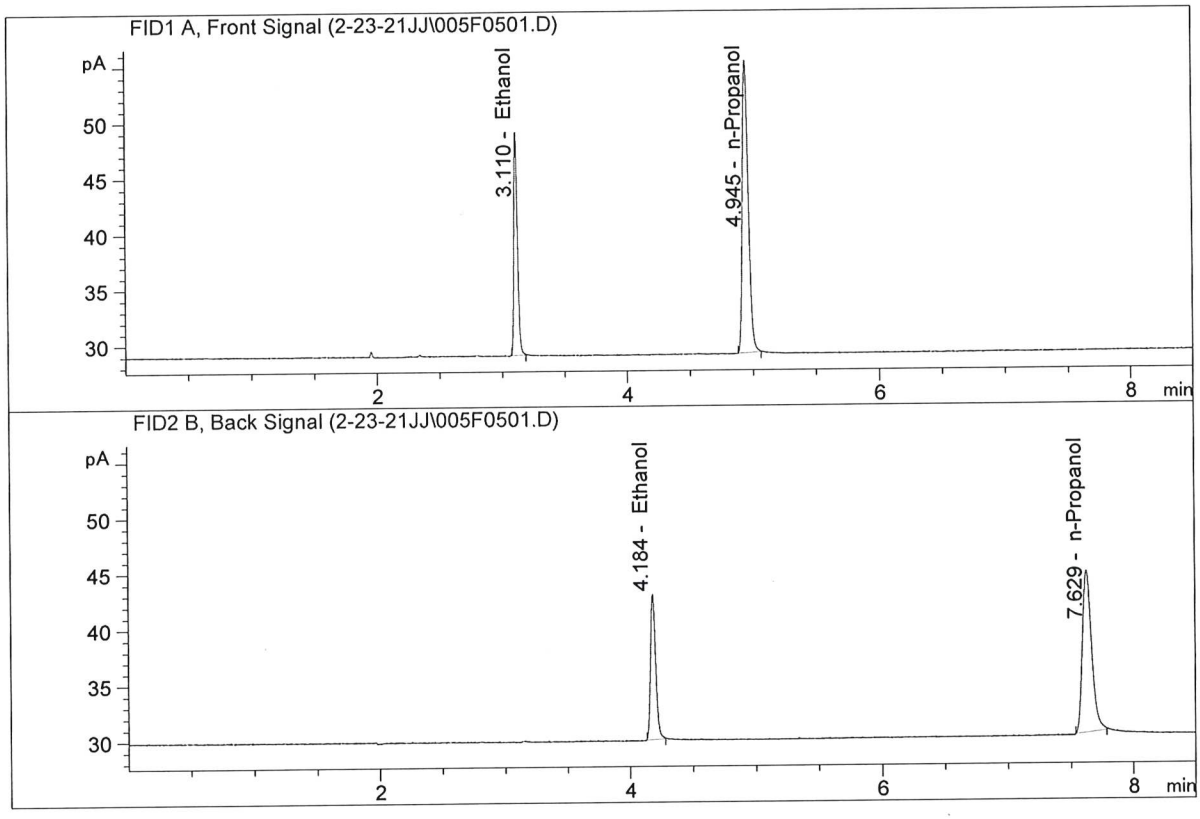
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 39.89928 | 0.2074 | g/100cc |
| 2. | Ethanol | Column 2: | 36.80117 | 0.2065 | g/100cc |
| 3. | n-Propanol | Column 1: | 86.46027 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 74.27951 | 1.0000 | g/100cc |

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN09181807** **Analysis Date(s): 23 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0798 | 0.0802 | 0.0004 | 0.0800 | 0.0006 | 0.0803 |
| (g/100cc) | 0.0808 | 0.0804 | 0.0004 | 0.0806 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

**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.***

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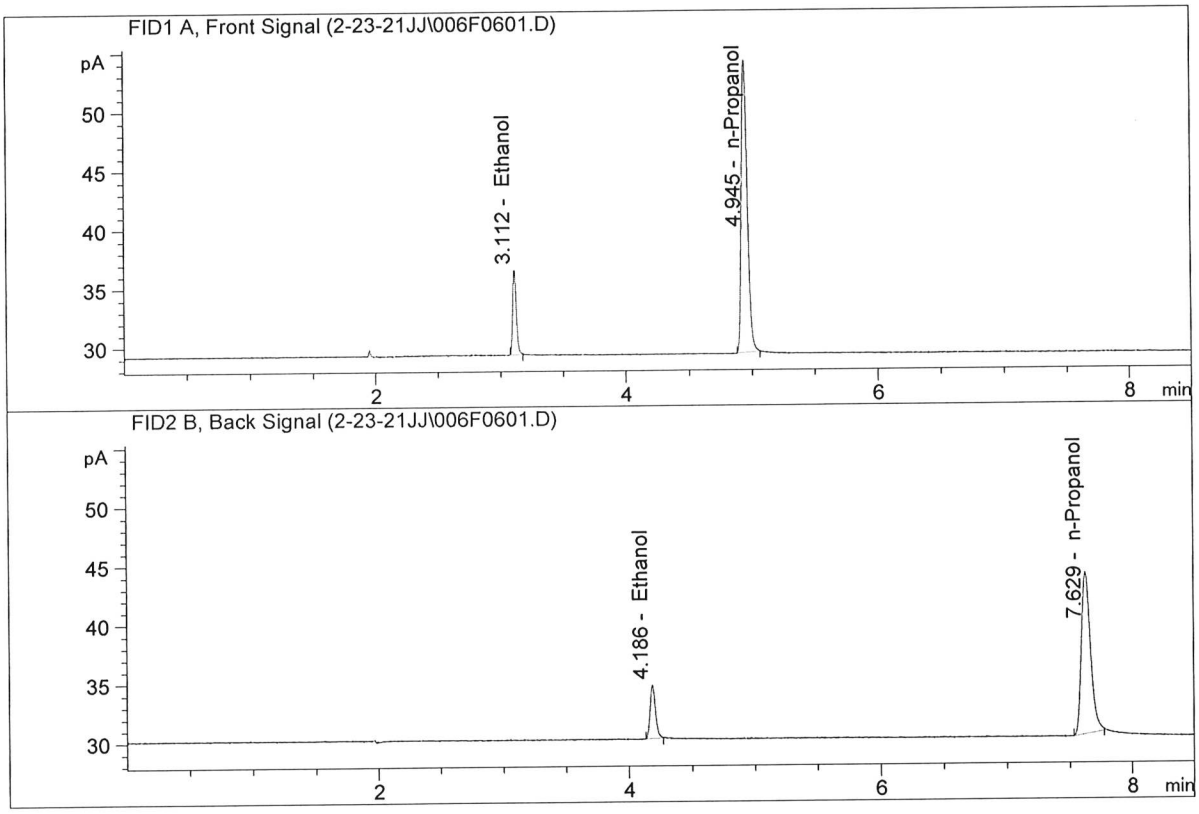
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.44976 | 0.0798 | g/100cc |
| 2. | Ethanol | Column 2: | 13.04323 | 0.0802 | g/100cc |
| 3. | n-Propanol | Column 1: | 81.72240 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 69.63484 | 1.0000 | g/100cc |

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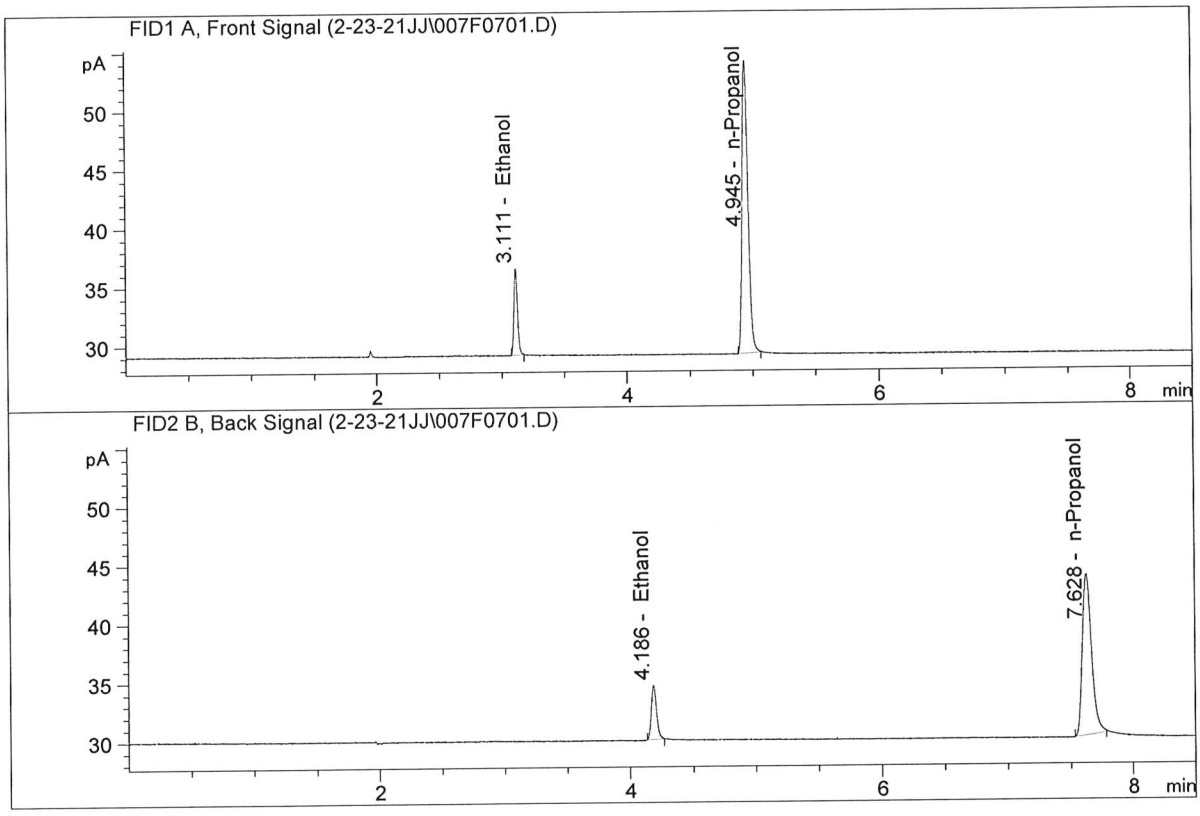
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 14.69548 | 0.0808 | g/100cc |
| 2. | Ethanol | Column 2: | 13.20483 | 0.0804 | g/100cc |
| 3. | n-Propanol | Column 1: | 82.12480 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 70.25429 | 1.0000 | g/100cc |

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC-1(1)** **Analysis Date(s): 23 Feb 2021**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0769 | 0.0770 | 0.0001 | 0.0769 | 0.0003 | 0.0771 |
| (g/100cc) | 0.0772 | 0.0773 | 0.0001 | 0.0772 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

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

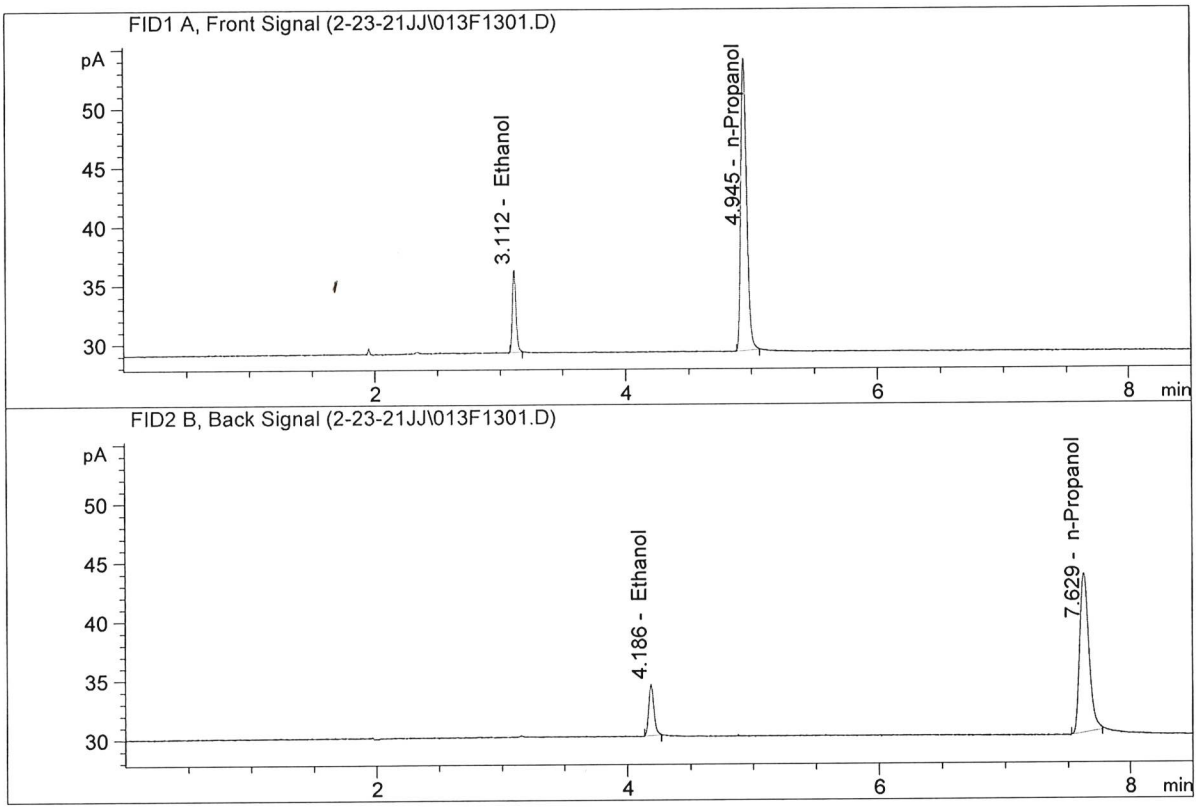
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.077 | 0.073 | 0.081 | 0.004 |

| | Reported Result | |
|---|---|---|
| | 0.077 | |

***Calibration and control data are stored centrally.***

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 13.94594 | 0.0772 | g/100cc |
| 2. | Ethanol | Column 2: | 12.44576 | 0.0773 | g/100cc |
| 3. | n-Propanol | Column 1: | 81.57934 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 68.96816 | 1.0000 | g/100cc |

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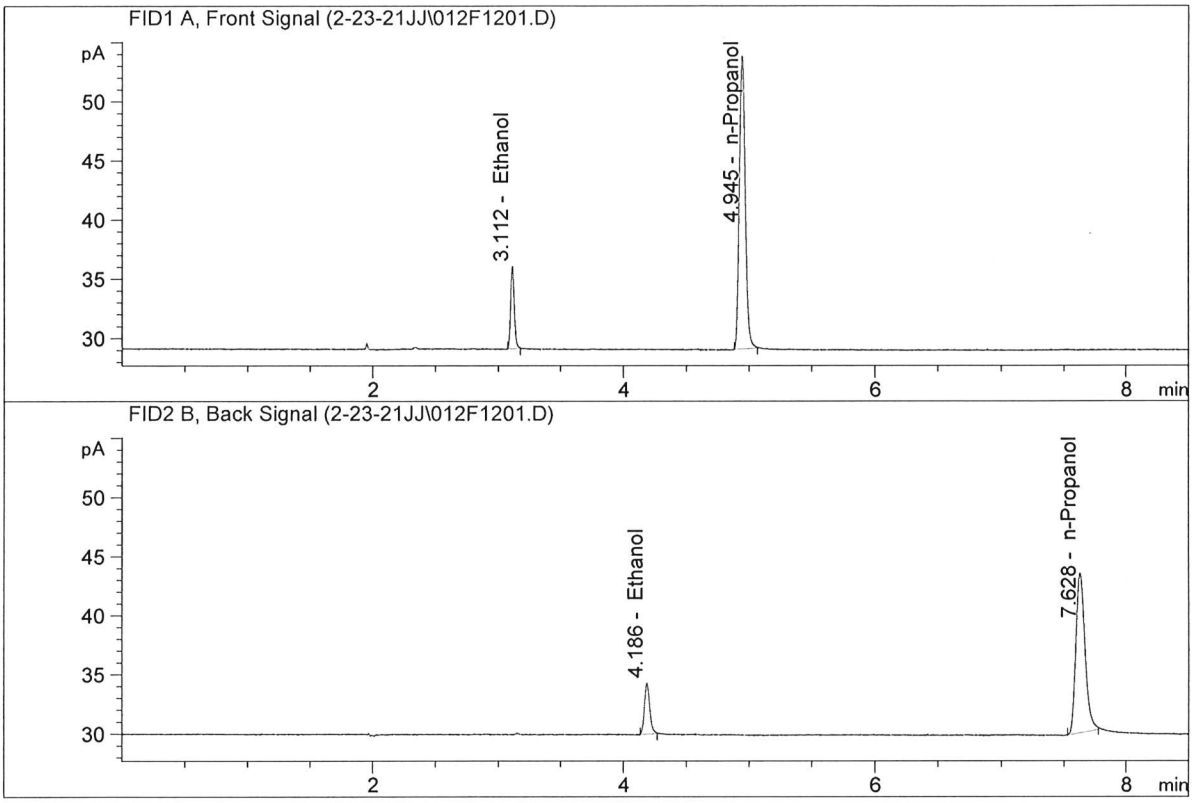
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 13.86404 | 0.0769 | g/100cc |
| 2. | Ethanol | Column 2: | 12.39958 | 0.0770 | g/100cc |
| 3. | n-Propanol | Column 1: | 81.43788 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 69.01593 | 1.0000 | g/100cc |

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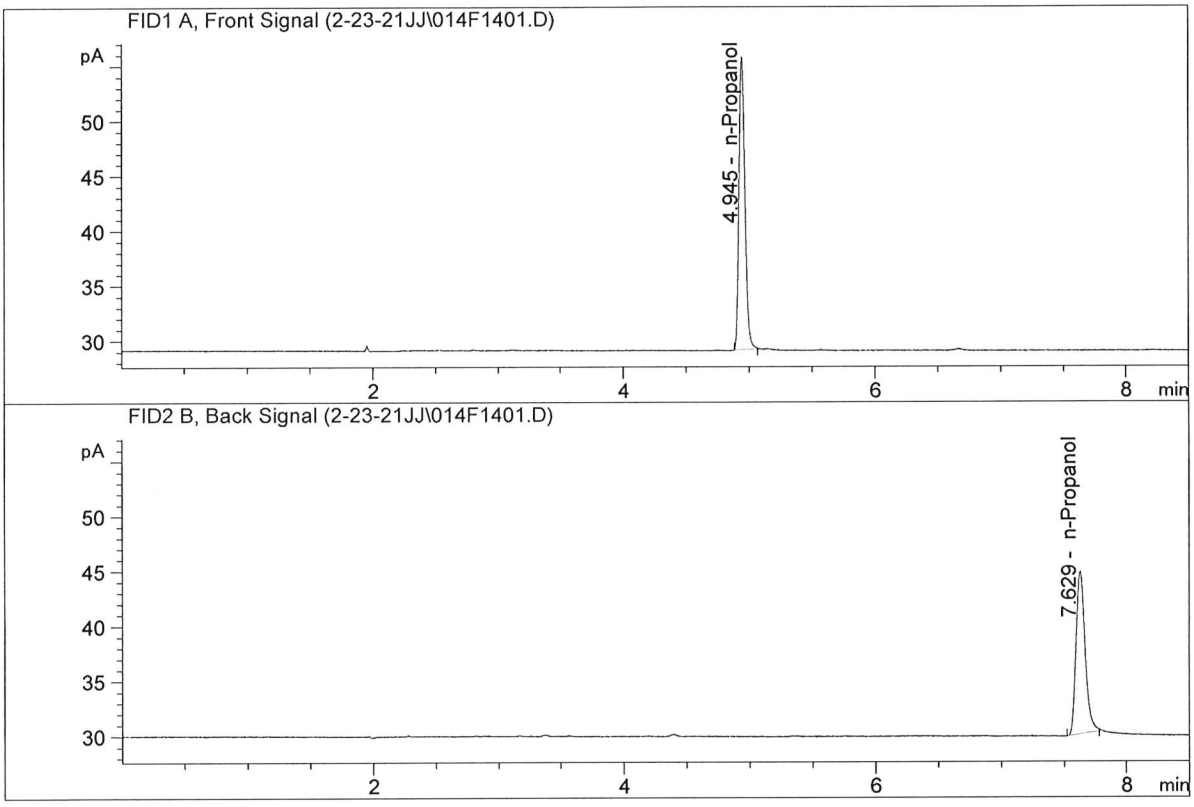
# ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
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: | 87.76829 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 75.55309 | 1.0000 | g/100cc |

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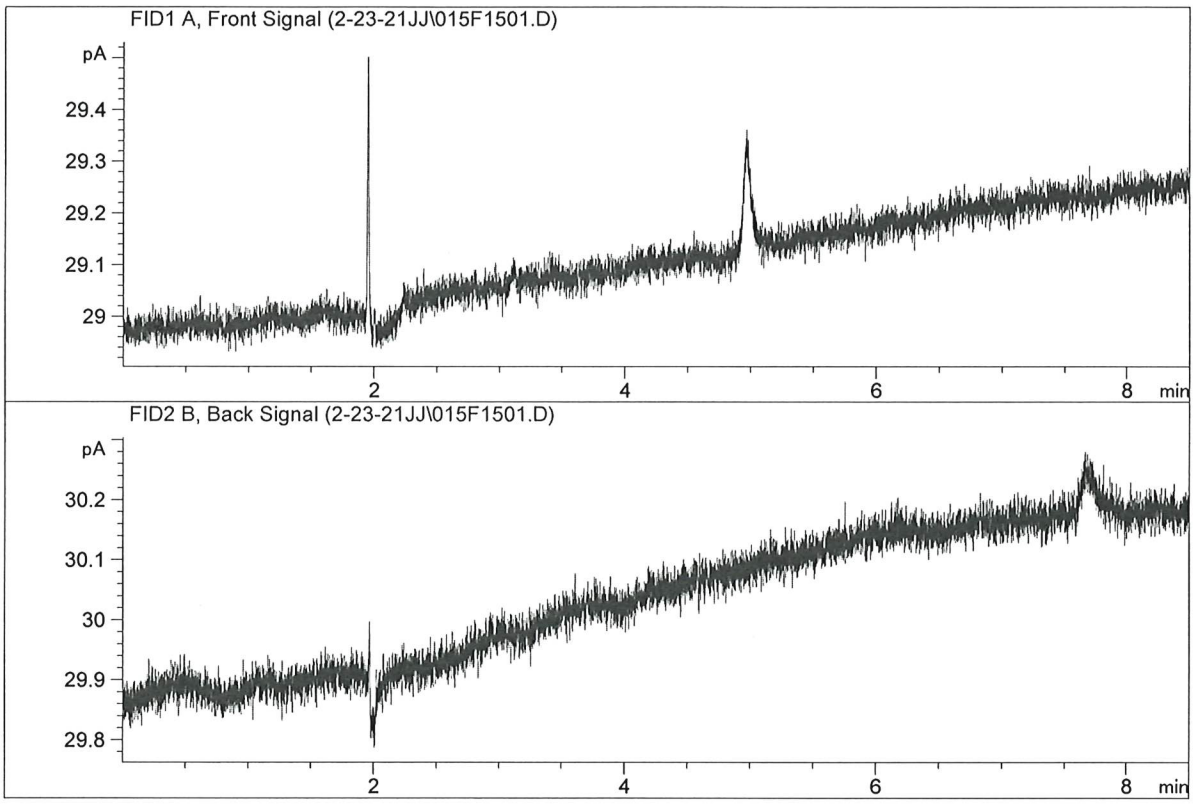
# ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Feb 23, 2021
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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