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

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11378*

**Volatiles Quality Assurance Controls** **Run Date(s): 08/03/2020-08/04/2000**

Calibration Date: 08/03/2020

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jul-23 | 1907006 | 0.0764 | 0.0688-0.0840 | 0.0743 g/100cc |
| | | | | | 0.0759 g/100cc |
| | | | | | g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.2006 g/100cc |
| | | | | | 0.2003 g/100cc |
| | | | | | g/100cc |

| | | | | | |
|---|---|---|---|---|---|
| **Multi-Component mixture:** | | **Lot #** | FN06041502 | | OK |
| **Curve Fit:** | **Column 1** | 0.99999 | **Column2** | | 0.99991 |

**Ethanol Calibration Reference Material**

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0508 | 0.0522 | 0.0014 | 0.0515 |
| 100 | 0.100 | 0.090 - 0.110 | 0.0998 | 0.1005 | 0.0007 | 0.1001 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1990 | 0.1980 | 0.001 | 0.1985 |
| 300 | 0.300 | 0.270 - 0.330 | 0.3002 | 0.2970 | 0.0032 | 0.2986 |
| 400 | 0.400 | 0.360 - 0.440 | | | | |
| 500 | 0.500 | 0.450 - 0.550 | 0.5003 | 0.5023 | 0.002 | 0.5013 |

**Aqueous Controls**

| Control level | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|
| 80 | 0.080 | 0.076 - 0.084 | 0.081 g/100cc |

**REVIEWED**
By Rachel Cutler at 6:03 pm, Aug 07, 2020

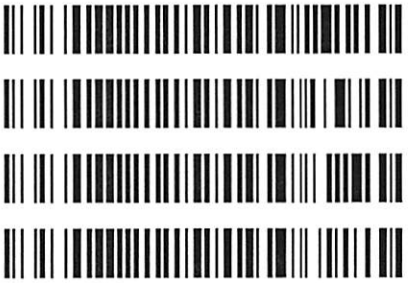
Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

**Worklist: 4410**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| M2020-2833 | 1 | BCK | Alcohol Analysis |
| M2020-2834 | 1 | BCK | Alcohol Analysis |
| M2020-2887 | 1 | BCK | Alcohol Analysis |
| M2020-2894 | 1 | BCK | Alcohol Analysis |
| M2020-2895 | 1 | BCK | Alcohol Analysis |
| M2020-2932 | 1 | BCK | Alcohol Analysis |
| M2020-2938 | 1 | BCK | Alcohol Analysis |
| P2020-2155 | 1 | BCK | Alcohol Analysis |
| P2020-2169 | 1 | BCK | Alcohol Analysis |
| P2020-2170 | 1 | BCK | Alcohol Analysis |
| P2020-2170 | 2 | BCK | Alcohol Analysis |
| P2020-2180 | 1 | BCK | Alcohol Analysis |
| P2020-2185 | 1 | BCK | Alcohol Analysis |
| P2020-2195 | 1 | BCK | Alcohol Analysis |
| P2020-2199 | 1 | BCK | Alcohol Analysis |
| P2020-2200 | 1 | BCK | Alcohol Analysis |
| P2020-2201 | 1 | BCK | Alcohol Analysis |
| P2020-2236 | 1 | BCK | Alcohol Analysis |
| P2020-2245 | 1 | BCK | Alcohol Analysis |
| P2020-2246 | 1 | BCK | Alcohol Analysis |
| P2020-2247 | 1 | BCK | Alcohol Analysis |

**Worklist: 4410**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| P2020-2272 | 1 | BCK | Alcohol Analysis |
| P2020-2273 | 1 | BCK | Alcohol Analysis |
| P2020-2275 | 1 | BCK | Alcohol Analysis |
| P2020-2276 | 1 | BCK | Alcohol Analysis |



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

## Calibration Table

### General Calibration Setting

Calib. Data Modified : Monday, August 03, 2020 2:32:43 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 : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
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

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

| RT | Sig | Lvl | Amount [g/100cc] | Area | Rsp.Factor | Ref | ISTD | # | Compound |
|---|---|---|---|---|---|---|---|---|---|
| 2.586 | 1 | 1 | 1.00000 | 3.69669 | 2.70512e-1 | No | No | 1 | methanol |
| 2.809 | 1 | 1 | 1.00000 | 4.26100 | 2.34687e-1 | No | No | 2 | Acetaldehyde |
| 2.977 | 2 | 1 | 1.00000 | 4.26100 | 2.34687e-1 | No | No | 2 | Acetaldehyde |
| 3.075 | 1 | 1 | 5.00000e-2 | 4.43784 | 1.12667e-2 | No | No | 1 | ethanol |
| | | 2 | 1.00000e-1 | 8.88982 | 1.12488e-2 | | | | |
| | | 3 | 2.00000e-1 | 17.86740 | 1.11936e-2 | | | | |
| | | 4 | 3.00000e-1 | 26.62480 | 1.12677e-2 | | | | |
| | | 5 | 5.00000e-1 | 44.75724 | 1.11714e-2 | | | | |
| 3.388 | 2 | 1 | 1.00000 | 4.26062 | 2.34707e-1 | No | No | 2 | methanol |
| 3.628 | 1 | 1 | 1.00000 | 9.73055 | 1.02769e-1 | No | No | 1 | isopropyl alcohol |
| 4.285 | 2 | 1 | 5.00000e-2 | 4.54595 | 1.09988e-2 | No | No | 2 | ethanol |
| | | 2 | 1.00000e-1 | 9.20193 | 1.08673e-2 | | | | |
| | | 3 | 2.00000e-1 | 18.65465 | 1.07212e-2 | | | | |
| | | 4 | 3.00000e-1 | 27.84667 | 1.07733e-2 | | | | |
| | | 5 | 5.00000e-1 | 47.41045 | 1.05462e-2 | | | | |
| 4.308 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | acetone |
| 4.620 | 1 | 1 | 1.00000 | 42.36873 | 2.36023e-2 | No | Yes | 1 | n-propanol |
| | | 2 | 1.00000 | 42.39096 | 2.35899e-2 | | | | |
| | | 3 | 1.00000 | 42.31837 | 2.36304e-2 | | | | |
| | | 4 | 1.00000 | 41.66415 | 2.40014e-2 | | | | |
| | | 5 | 1.00000 | 41.91922 | 2.38554e-2 | | | | |
| 4.661 | 2 | 1 | 1.00000 | 6.89301 | 1.45075e-1 | No | No | 2 | acetone |
| 4.969 | 2 | 1 | 1.00000 | 10.70642 | 9.34019e-2 | No | No | 2 | isopropyl alcohol |
| 7.550 | 2 | 1 | 1.00000 | 43.75035 | 2.28570e-2 | No | Yes | 2 | n-propanol |
| | | 2 | 1.00000 | 43.43819 | 2.30212e-2 | | | | |
| | | 3 | 1.00000 | 43.41034 | 2.30360e-2 | | | | |
| | | 4 | 1.00000 | 42.77103 | 2.33803e-2 | | | | |
| | | 5 | 1.00000 | 42.71841 | 2.34091e-2 | | | | |

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Peak Sum Table

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***No Entries in table***

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1 Warnings or Errors :

Warning : Curve requires more calibration points., (methanol)

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Calibration Curves

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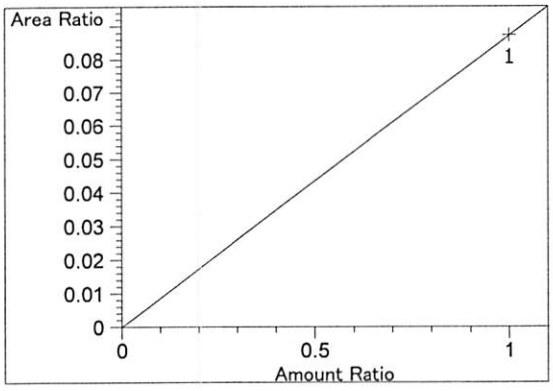
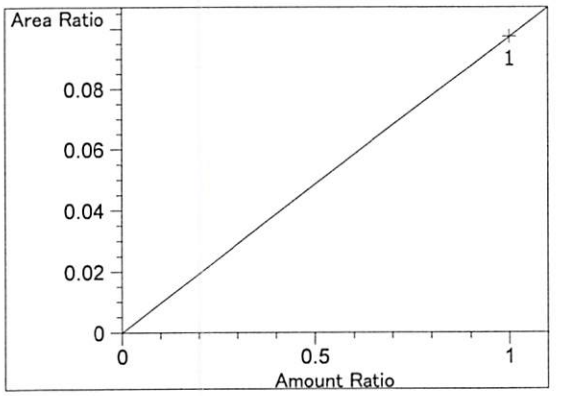
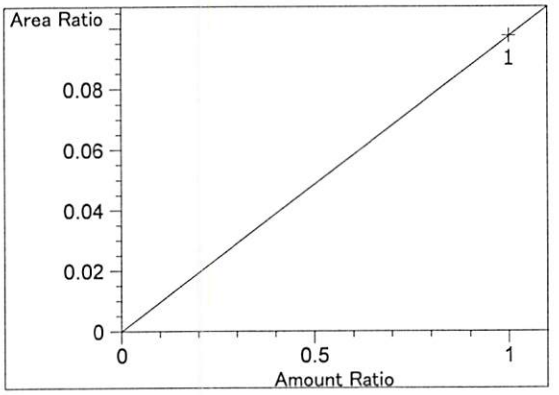


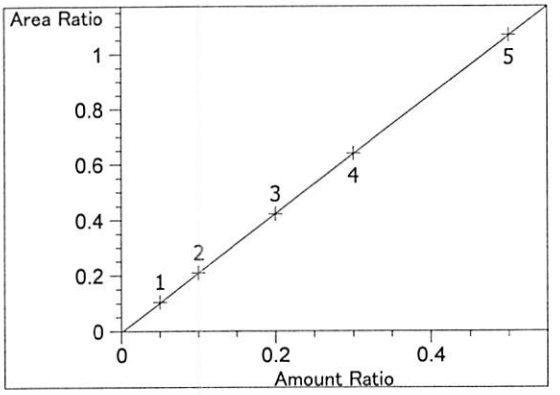

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.72505e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



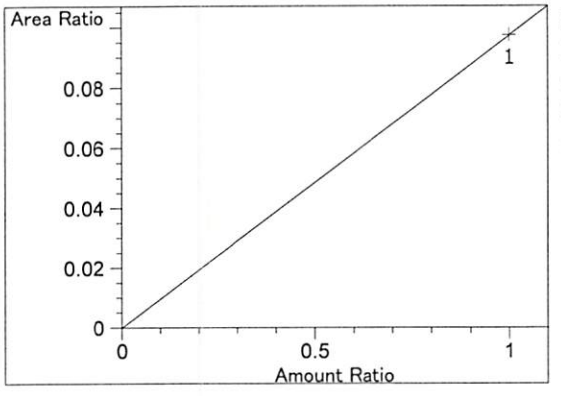

Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73935e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio




Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73935e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

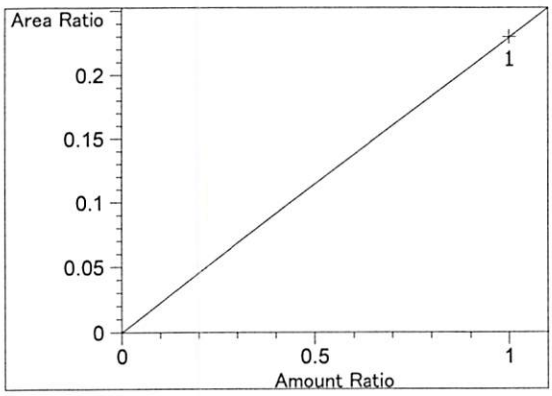



ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00167
Formula: y = mx + b
m: 2.14242
b: -4.07529e-3
x: Amount Ratio
y: Area Ratio

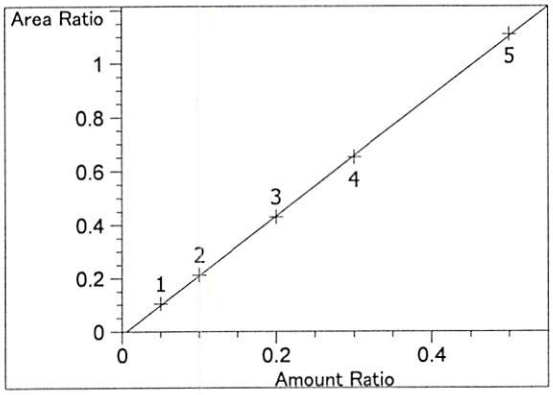



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.73849e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

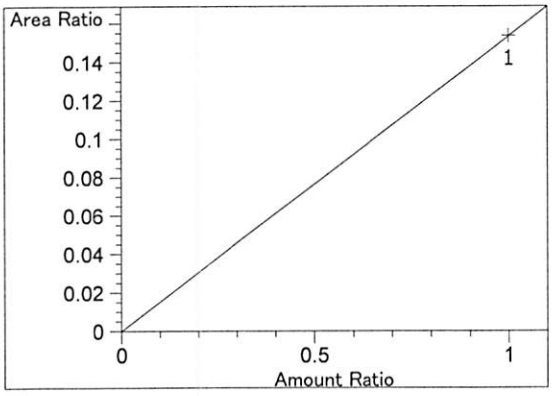
W



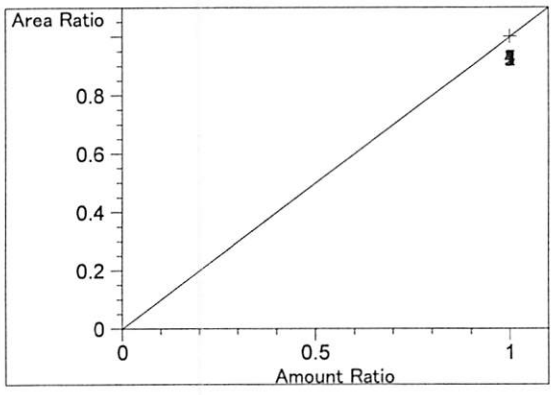

isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.29664e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



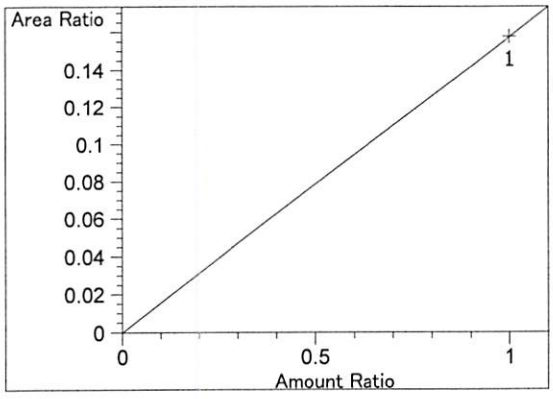

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99991
Residual Std. Dev.: 0.00623
Formula: y = mx + b
m: 2.23513
b: -1.28039e-2
x: Amount Ratio
y: Area Ratio



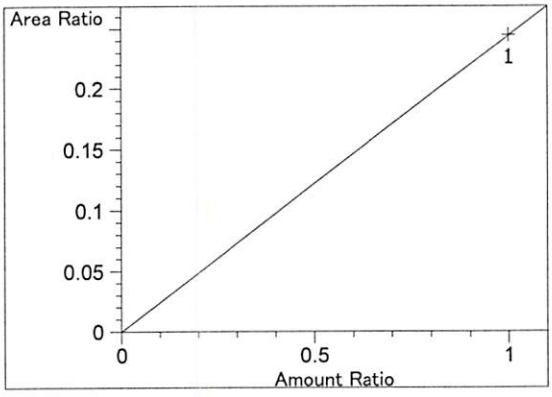

acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.53401e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



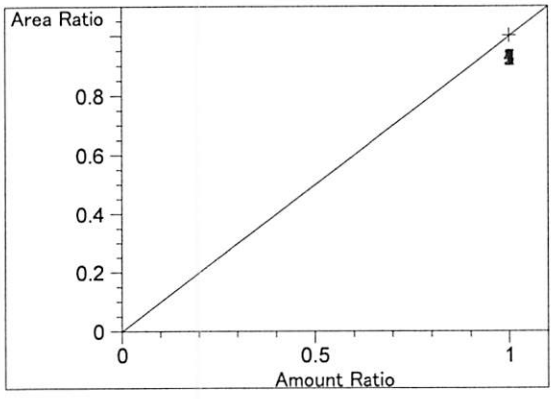

n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio




acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.57553e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio




isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.44716e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio




n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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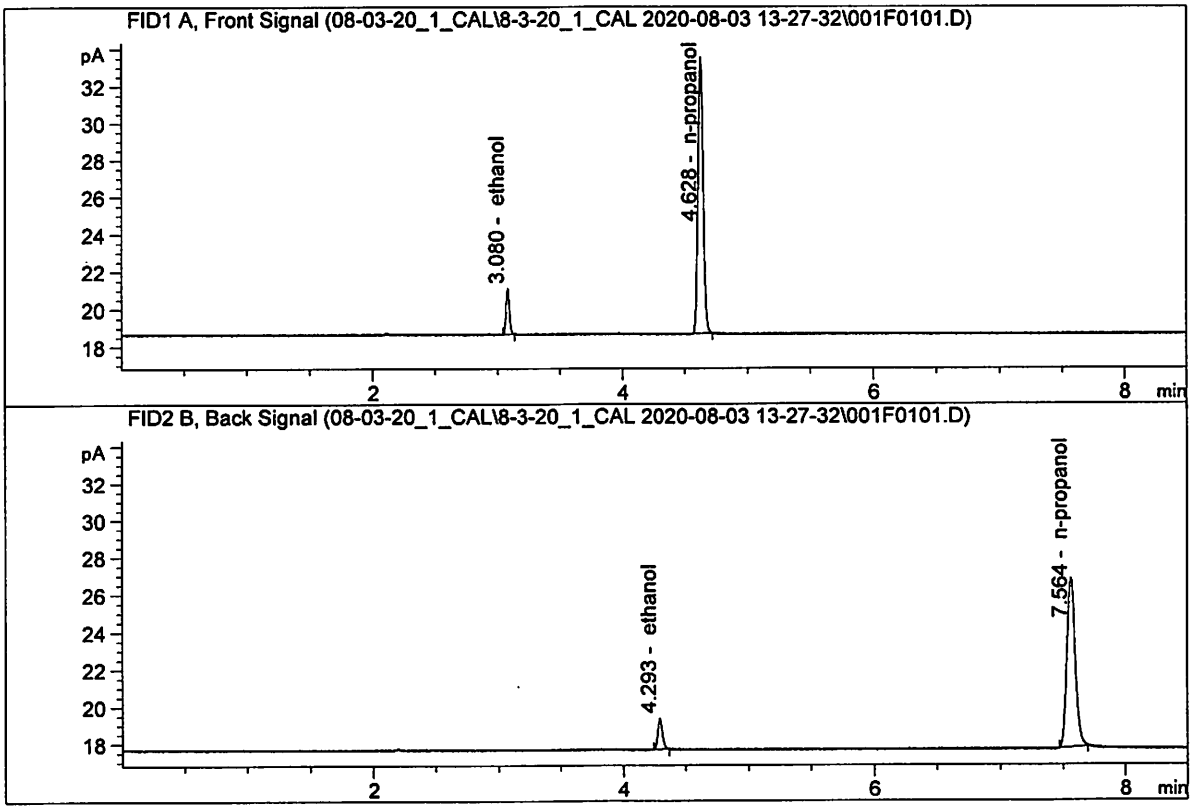
# ISP Forensic Services Blood Alcohol Report

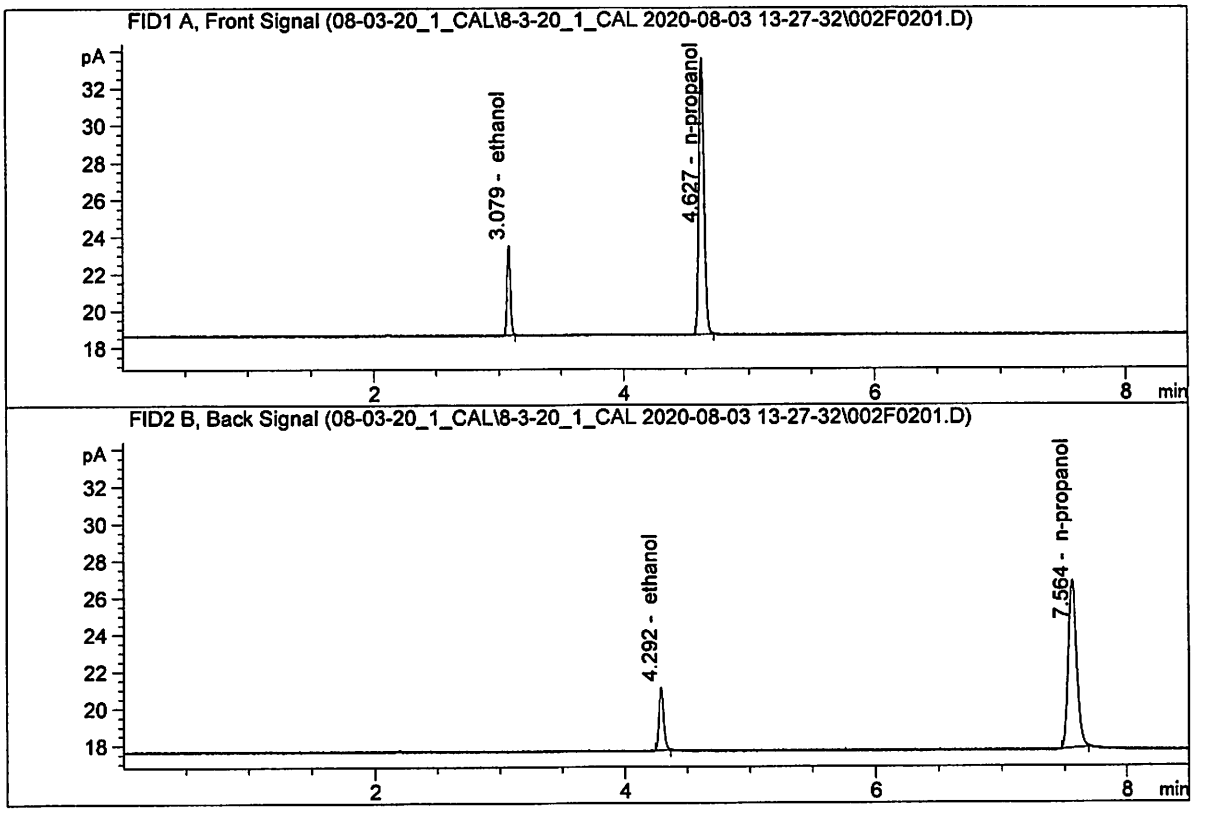
Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 4.43784 | 0.0508 | g/100cc |
| 2. | Ethanol | Column 2: | 4.54595 | 0.0522 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.36873 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.75035 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 8.88982 | 0.0998 | g/100cc |
| 2. | Ethanol | Column 2: | 9.20193 | 0.1005 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.39096 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.43819 | 1.0000 | g/100cc |

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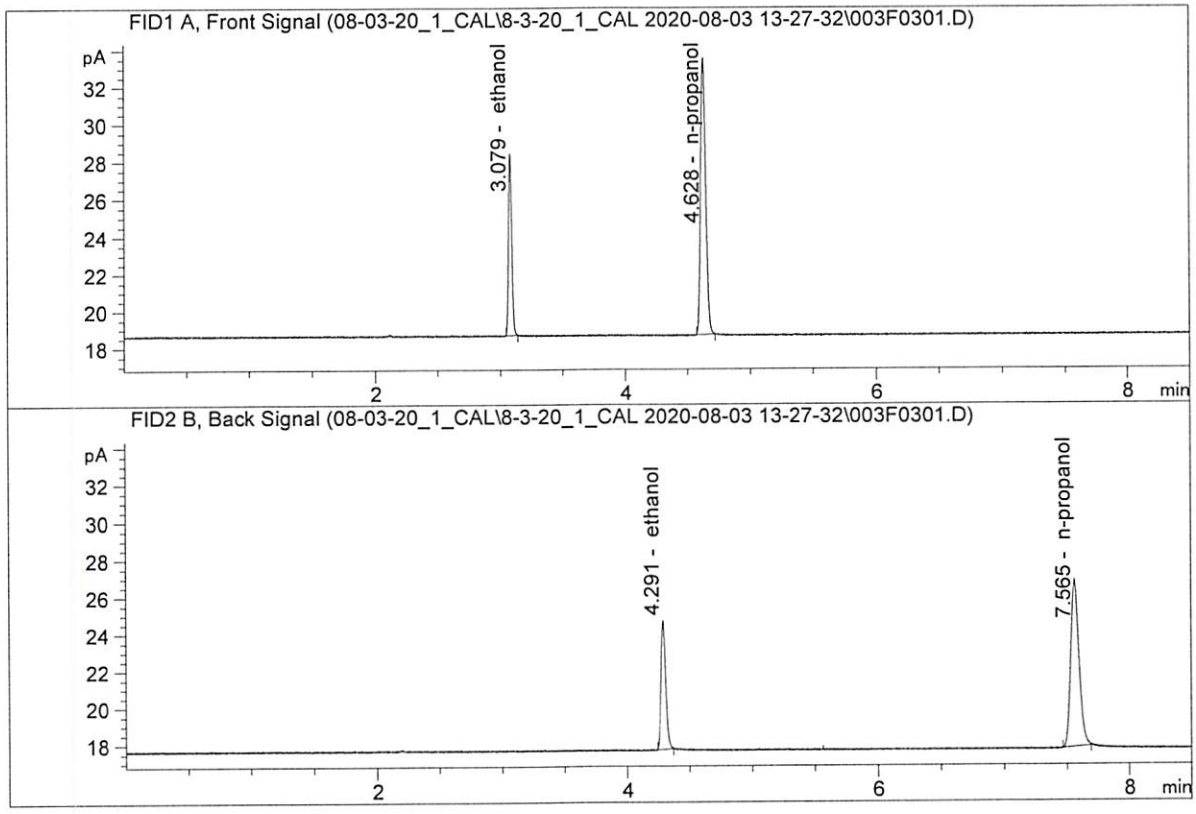
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.86740 | 0.1990 | g/100cc |
| 2. | Ethanol | Column 2: | 18.65465 | 0.1980 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.31837 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.41034 | 1.0000 | g/100cc |

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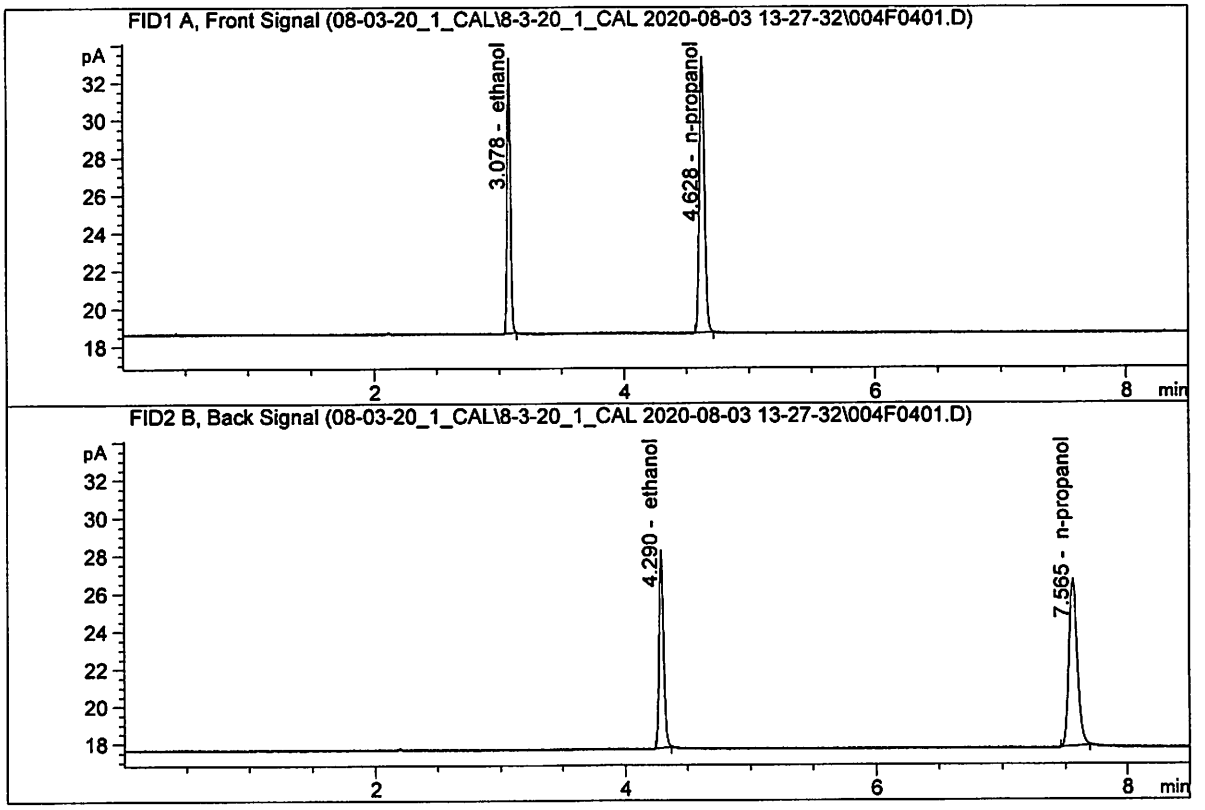
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 26.62480 | 0.3002 | g/100cc |
| 2. | Ethanol | Column 2: | 27.84667 | 0.2970 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.66415 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.77103 | 1.0000 | g/100cc |

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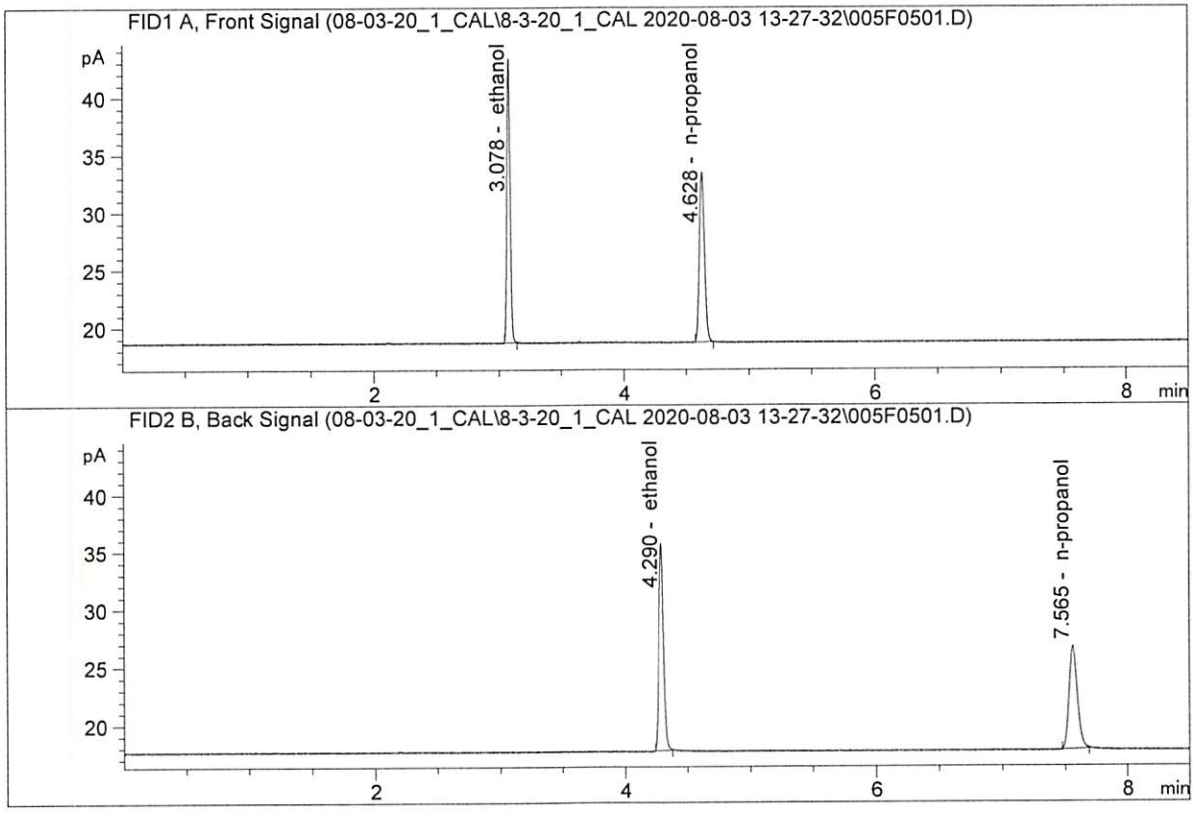
# ISP Forensic Services Blood Alcohol Report

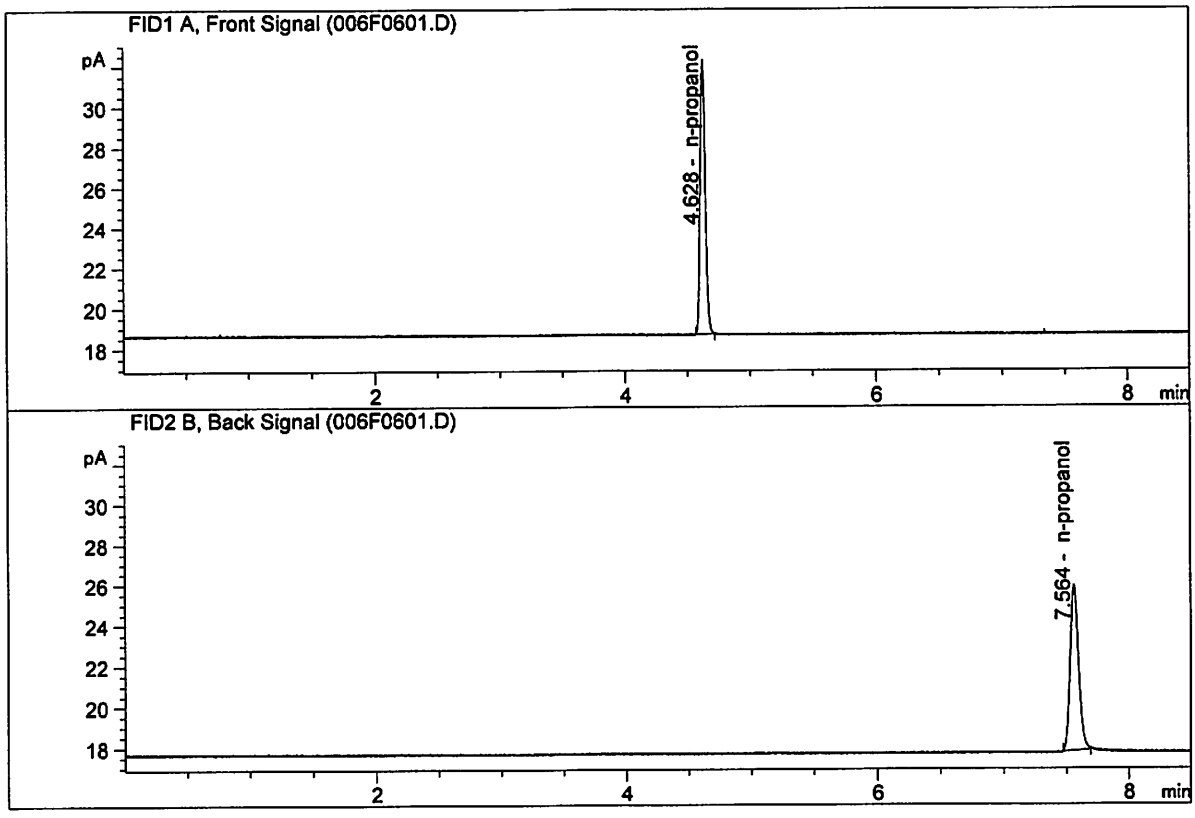
Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 44.75724 | 0.5003 | g/100cc |
| 2. | Ethanol | Column 2: | 47.41045 | 0.5023 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.91922 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.71841 | 1.0000 | g/100cc |

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 38.62105 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 39.37968 | 1.0000 | g/100cc |

W

# Sample Summary

Sequence table: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\8-3-20_1_CAL.S
Data directory path: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\
Logbook: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\8-3-20_1_CAL.LOG
Sequence start: 8/3/2020 1:42:10 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-03-20_1_CAL\8-3-20_1_CAL 2020-08-03 13-27-32\ALCOHOL.

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.050 FN05211804 | - | 1.0000 | 001F0101.D | * | 4 |
| 2 | 2 | 1 | 0.100 FN02271802 | - | 1.0000 | 002F0201.D | * | 4 |
| 3 | 3 | 1 | 0.200 FN06231704 | - | 1.0000 | 003F0301.D | * | 4 |
| 4 | 4 | 1 | 0.300 FN07311804 | - | 1.0000 | 004F0401.D | * | 4 |
| 5 | 5 | 1 | 0.500 FN08031602 | - | 1.0000 | 005F0501.D | * | 4 |
| 6 | 6 | 1 | INTERNAL STANDAR | - | 1.0000 | 006F0601.D | | 2 |

# Sample Summary

Sequence table: C:\Chem32\1\Data\08-03-20_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39\08-03-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\08-03-20_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39\
Logbook: C:\Chem32\1\Data\08-03-20_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39\08-03-20_SAMPLES.LOG
Sequence start: 8/3/2020 3:25:33 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-03-20_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39\ALCOHOL.M

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # | Cmp |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | INTERNAL STD BLK | - | 1.0000 | 001F0101.D | | 2 |
| 2 | 2 | 1 | MIX VOL FN060415 | - | 1.0000 | 002F0201.D | | 10 |
| 3 | 3 | 1 | QC1-1-A | - | 1.0000 | 003F0301.D | | 4 |
| 4 | 4 | 1 | QC1-1-B | - | 1.0000 | 004F0401.D | | 4 |
| 5 | 5 | 1 | 0.08 FN04171701- | - | 1.0000 | 005F0501.D | | 4 |
| 6 | 6 | 1 | 0.08 FN04171701- | - | 1.0000 | 006F0601.D | | 4 |
| 7 | 7 | 1 | M2020-2833-1-A | - | 1.0000 | 007F0701.D | | 4 |
| 8 | 8 | 1 | M2020-2833-1-B | - | 1.0000 | 008F0801.D | | 4 |
| 9 | 9 | 1 | M2020-2834-1-A | - | 1.0000 | 009F0901.D | | 4 |
| 10 | 10 | 1 | M2020-2834-1-B | - | 1.0000 | 010F1001.D | | 4 |
| 11 | 11 | 1 | M2020-2887-1-A | - | 1.0000 | 011F1101.D | | 4 |
| 12 | 12 | 1 | M2020-2887-1-B | - | 1.0000 | 012F1201.D | | 4 |
| 13 | 13 | 1 | M2020-2894-1-A | - | 1.0000 | 013F1301.D | | 4 |
| 14 | 14 | 1 | M2020-2894-1-B | - | 1.0000 | 014F1401.D | | 4 |
| 15 | 15 | 1 | M2020-2895-1-A | - | 1.0000 | 015F1501.D | | 4 |
| 16 | 16 | 1 | M2020-2895-1-B | - | 1.0000 | 016F1601.D | | 4 |
| 17 | 17 | 1 | M2020-2932-1-A | - | 1.0000 | 017F1701.D | | 4 |
| 18 | 18 | 1 | M2020-2932-1-B | - | 1.0000 | 018F1801.D | | 4 |
| 19 | 19 | 1 | M2020-2938-1-A | - | 1.0000 | 019F1901.D | | 4 |
| 20 | 20 | 1 | M2020-2938-1-B | - | 1.0000 | 020F2001.D | | 4 |
| 21 | 21 | 1 | P2020-2155-1-A | - | 1.0000 | 021F2101.D | | 4 |
| 22 | 22 | 1 | P2020-2155-1-B | - | 1.0000 | 022F2201.D | | 4 |
| 23 | 23 | 1 | P2020-2169-1-A | - | 1.0000 | 023F2301.D | | 2 |
| 24 | 24 | 1 | P2020-2169-1-B | - | 1.0000 | 024F2401.D | | 2 |
| 25 | 25 | 1 | QC2-1-A | - | 1.0000 | 025F2501.D | | 4 |
| 26 | 26 | 1 | QC2-1-B | - | 1.0000 | 026F2601.D | | 4 |
| 27 | 27 | 1 | P2020-2170-1-A | - | 1.0000 | 027F2701.D | | 4 |
| 28 | 28 | 1 | P2020-2170-1-B | - | 1.0000 | 028F2801.D | | 4 |
| 29 | 29 | 1 | P2020-2170-2-A | - | 1.0000 | 029F2901.D | | 2 |
| 30 | 30 | 1 | P2020-2170-2-B | - | 1.0000 | 030F3001.D | | 2 |
| 31 | 31 | 1 | P2020-2180-1-A | - | 1.0000 | 031F3101.D | | 4 |
| 32 | 32 | 1 | P2020-2180-1-B | - | 1.0000 | 032F3201.D | | 4 |
| 33 | 33 | 1 | P2020-2185-1-A | - | 1.0000 | 033F3301.D | | 4 |
| 34 | 34 | 1 | P2020-2185-1-B | - | 1.0000 | 034F3401.D | | 4 |
| 35 | 35 | 1 | P2020-2195-1-A | - | 1.0000 | 035F3501.D | | 5 |
| 36 | 36 | 1 | P2020-2195-1-B | - | 1.0000 | 036F3601.D | | 5 |
| 37 | 37 | 1 | P2020-2199-1-A | - | 1.0000 | 037F3701.D | | 4 |
| 38 | 38 | 1 | P2020-2199-1-B | - | 1.0000 | 038F3801.D | | 4 |
| 39 | 39 | 1 | P2020-2200-1-A | - | 1.0000 | 039F3901.D | | 6 |
| 40 | 40 | 1 | P2020-2200-1-B | - | 1.0000 | 040F4001.D | | 6 |
| 41 | 41 | 1 | P2020-2201-1-A | - | 1.0000 | 041F4101.D | | 2 |
| 42 | 42 | 1 | P2020-2201-1-B | - | 1.0000 | 042F4201.D | | 2 |
| 43 | 43 | 1 | P2020-2236-1-A | - | 1.0000 | 043F4301.D | | 4 |

Sequence File C:\Chem32\...0_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39\08-03-20_SAMPLES.S

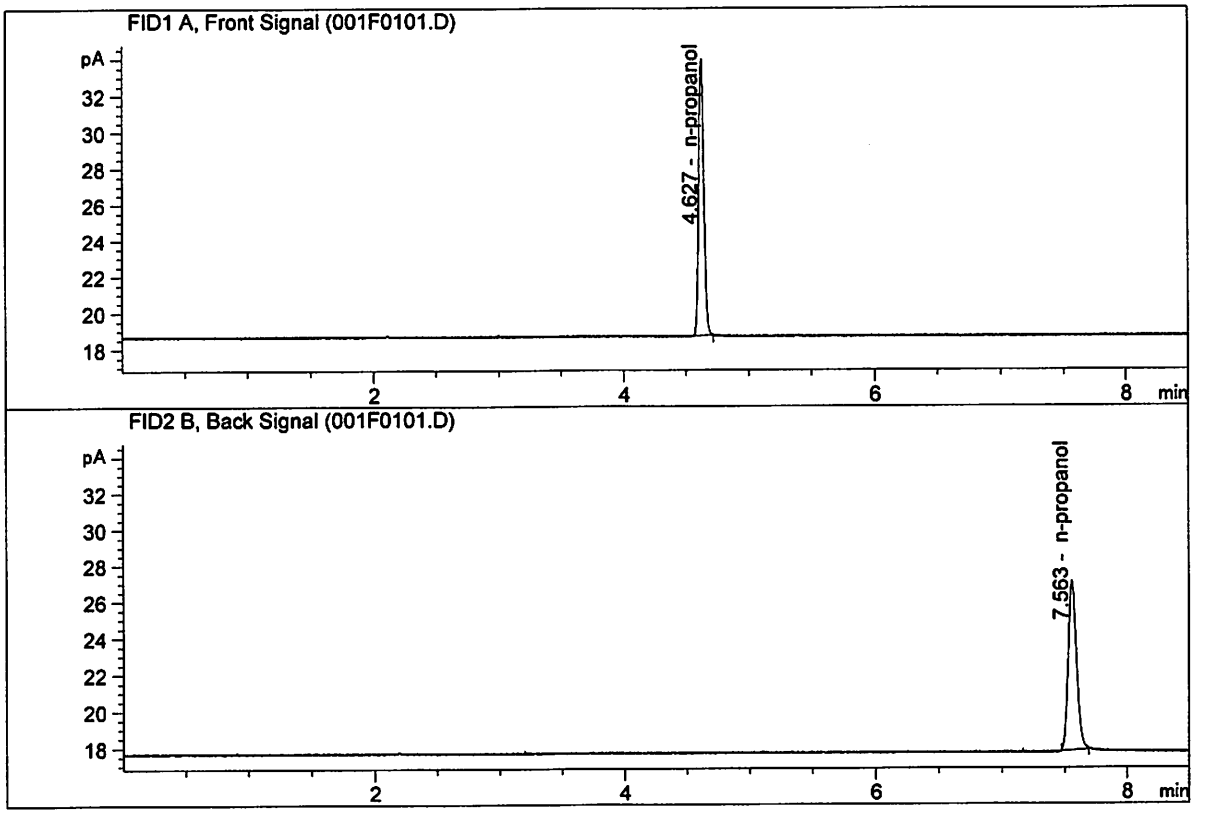
| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 44 | 44 | 1 | P2020-2236-1-B | - | 1.0000 | 044F4401.D | 4 |
| 45 | 45 | 1 | P2020-2245-1-A | - | 1.0000 | 045F4501.D | 4 |
| 46 | 46 | 1 | P2020-2245-1-B | - | 1.0000 | 046F4601.D | 4 |
| 47 | 47 | 1 | QC1-2-A | - | 1.0000 | 047F4701.D | 4 |
| 48 | 48 | 1 | QC1-2-B | - | 1.0000 | 048F4801.D | 4 |
| 49 | 49 | 1 | P2020-2246-1-A | - | 1.0000 | 049F4901.D | 4 |
| 50 | 50 | 1 | P2020-2246-1-B | - | 1.0000 | 050F5001.D | 4 |
| 51 | 51 | 1 | P2020-2247-1-A | - | 1.0000 | 051F5101.D | 2 |
| 52 | 52 | 1 | P2020-2247-1-B | - | 1.0000 | 052F5201.D | 2 |
| 53 | 53 | 1 | P2020-2272-1-A | - | 1.0000 | 053F5301.D | 4 |
| 54 | 54 | 1 | P2020-2272-1-B | - | 1.0000 | 054F5401.D | 4 |
| 55 | 55 | 1 | P2020-2273-1-A | - | 1.0000 | 055F5501.D | 2 |
| 56 | 56 | 1 | P2020-2273-1-B | - | 1.0000 | 056F5601.D | 2 |
| 57 | 57 | 1 | P2020-2275-1-A | - | 1.0000 | 057F5701.D | 5 |
| 58 | 58 | 1 | P2020-2275-1-B | - | 1.0000 | 058F5801.D | 5 |
| 59 | 59 | 1 | P2020-2276-1-A | - | 1.0000 | 059F5901.D | 4 |
| 60 | 60 | 1 | P2020-2276-1-B | - | 1.0000 | 060F6001.D | 4 |
| 61 | 61 | 1 | QC2-2-A | - | 1.0000 | 061F6101.D | 4 |
| 62 | 62 | 1 | QC2-2-B | - | 1.0000 | 062F6201.D | 4 |
| 63 | 63 | 1 | INTERNAL STD BLK | - | 1.0000 | 063F6301.D | 2 |

Method file name: C:\Chem32\1\Data\08-03-20_SAMPLES\08-03-20_SAMPLES 2020-08-03 15-10-39 \SHUTDOWN.M

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 64 | 64 | 1 | EMPTY | - | 1.0000 | 064F6401.D | 0 |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 43.35563 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.75909 | 1.0000 | g/100cc |

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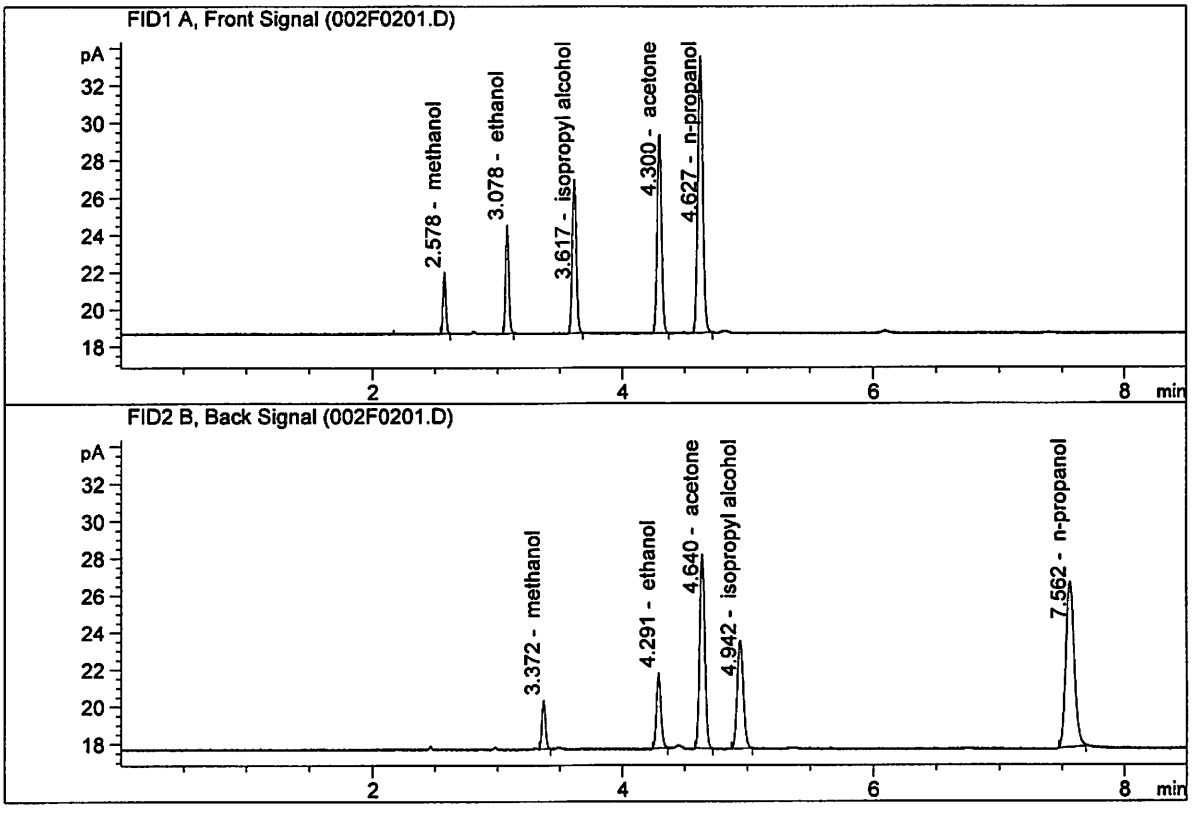
# ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 10.40728 | 0.1181 | g/100cc |
| 2. | Ethanol | Column 2: | 10.72600 | 0.1182 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.79328 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.68348 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-1** **Analysis Date(s): 03 Aug 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0731 | 0.0744 | 0.0013 | 0.0737 | 0.0012 | 0.0743 |
| (g/100cc) | 0.0742 | 0.0756 | 0.0014 | 0.0749 | | |

**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 |
|---|---|---|---|
| 0.074 | 0.070 | 0.078 | 0.004 |

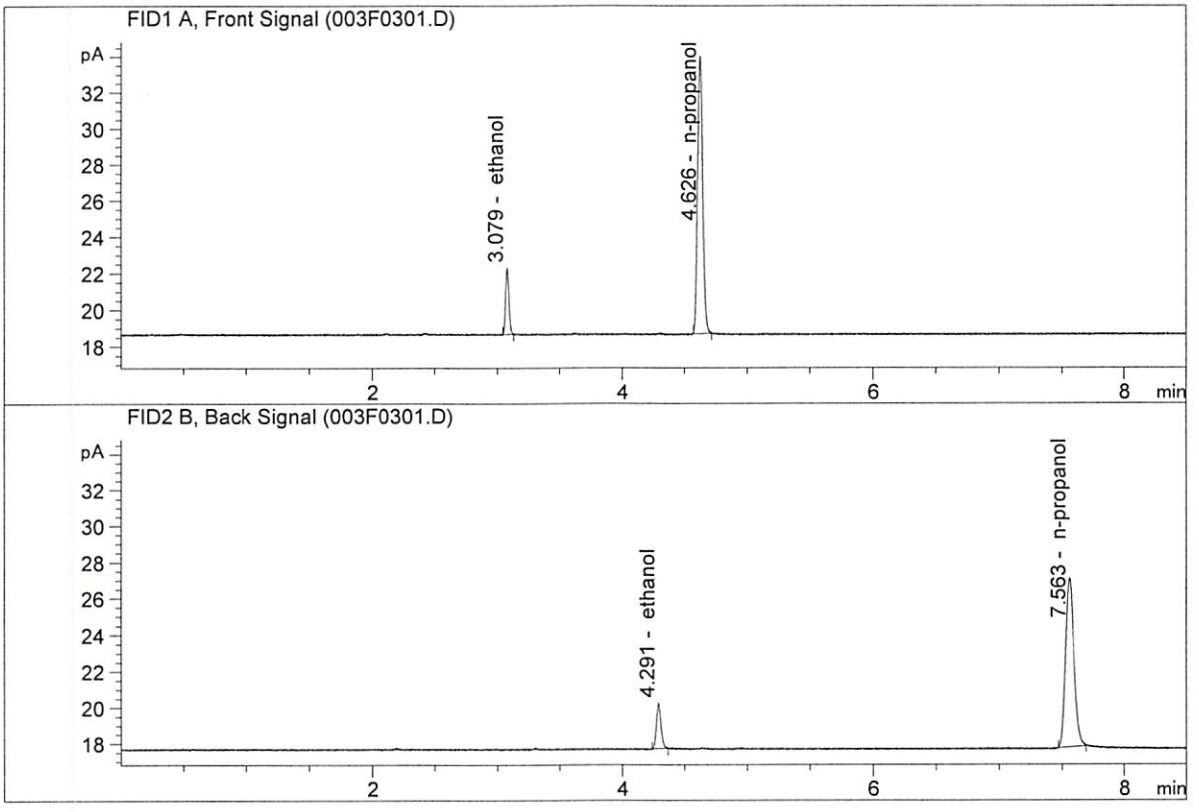
**Reported Result**

**0.074**

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

# ISP Forensic Services Blood Alcohol Report

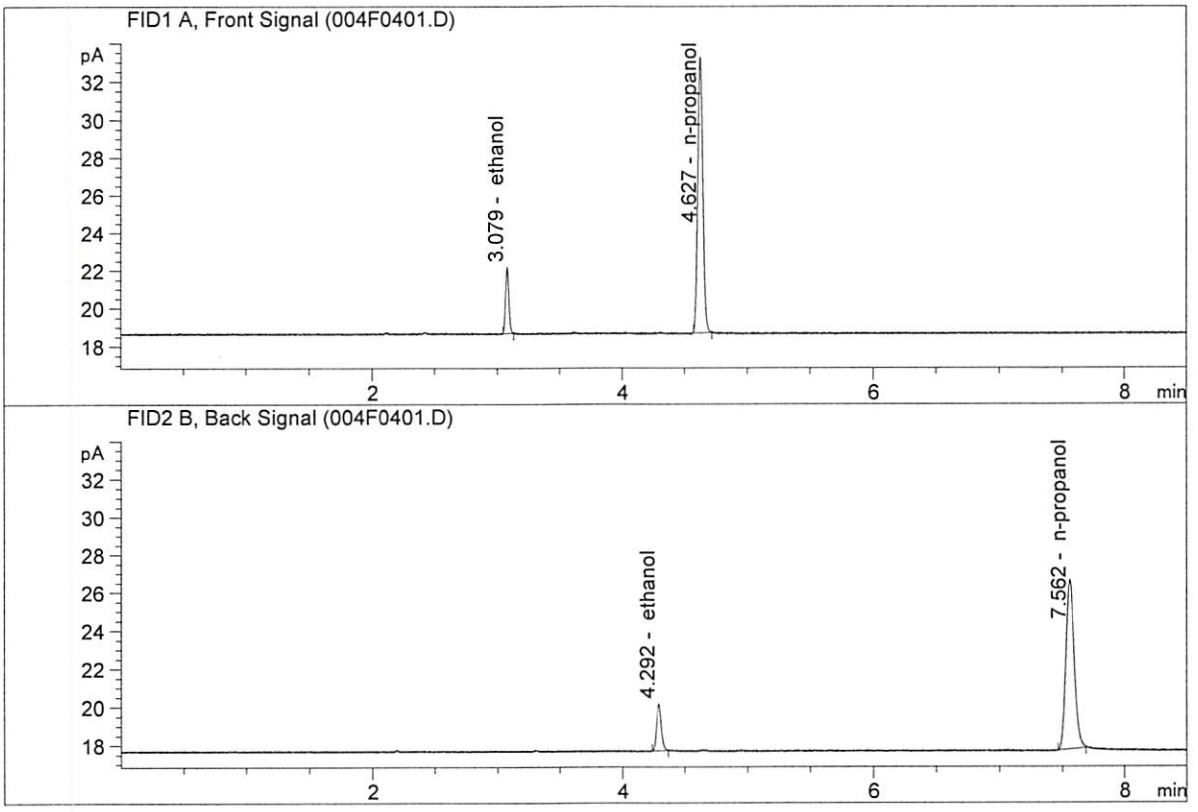
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.65297 | 0.0731 | g/100cc |
| 2. | Ethanol | Column 2: | 6.88522 | 0.0744 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.59488 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.84755 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.41731 | 0.0742 | g/100cc |
| 2. | Ethanol | Column 2: | 6.63522 | 0.0756 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.42122 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.48141 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-2** **Analysis Date(s): 03 Aug 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0754 | 0.0764 | 0.0010 | 0.0759 | 0.0001 | 0.0759 |
| (g/100cc) | 0.0756 | 0.0765 | 0.0009 | 0.0760 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

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

Refer to Instrument Method: Alcohol.m

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.075 | 0.071 | 0.079 | 0.004 |

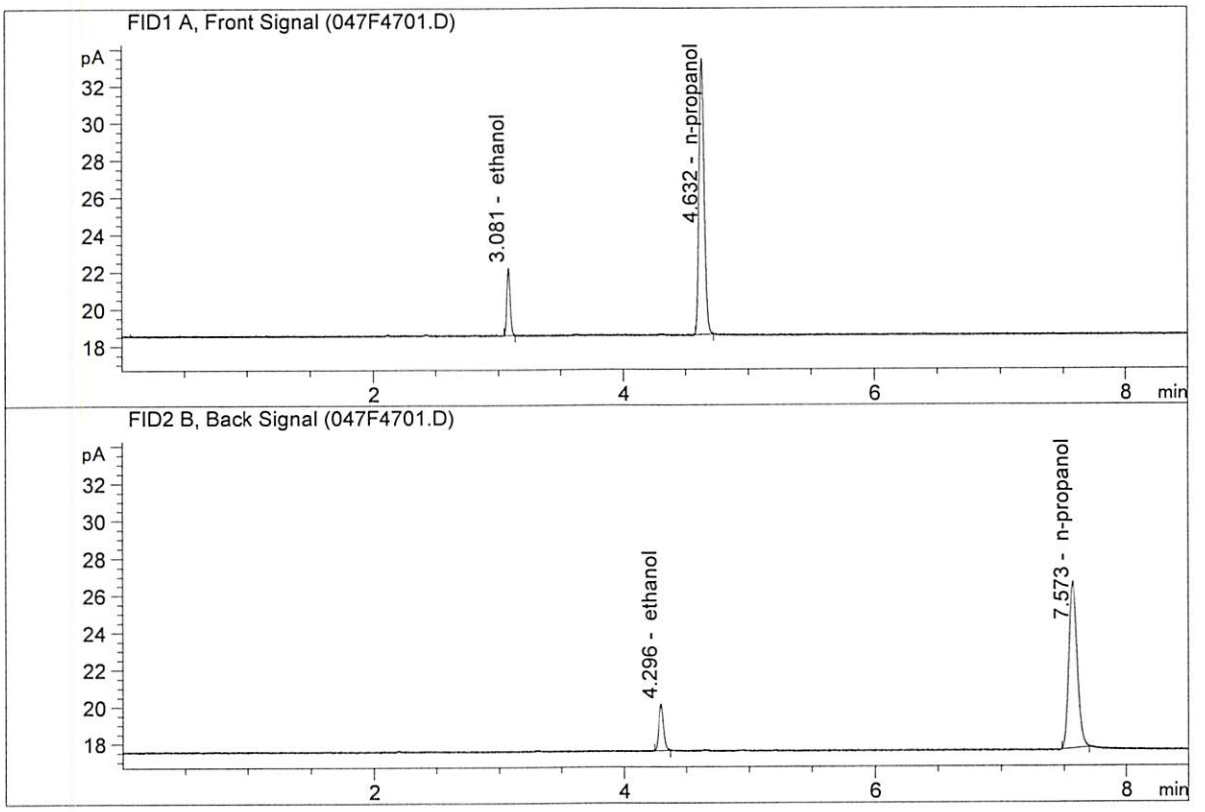
**Reported Result**

**0.075**

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

# ISP Forensic Services Blood Alcohol Report

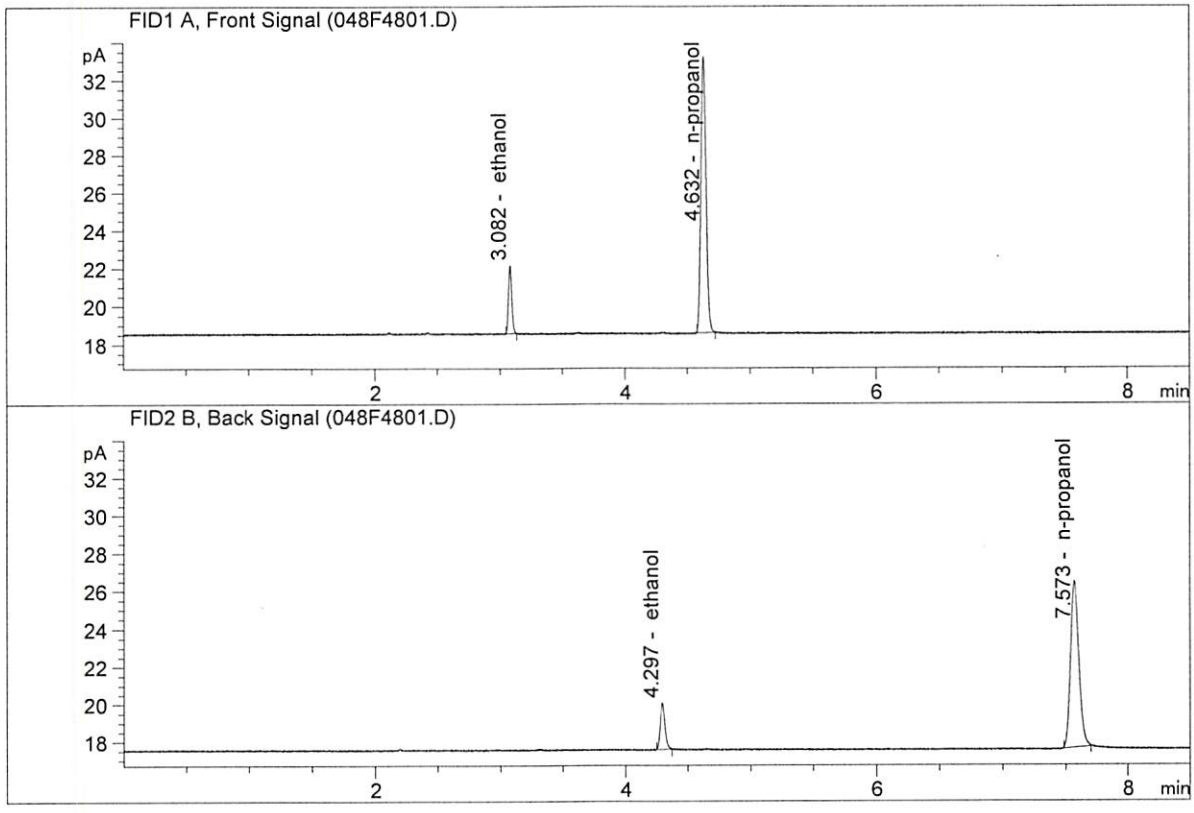
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.68193 | 0.0754 | g/100cc |
| 2. | Ethanol | Column 2: | 6.85354 | 0.0764 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.43164 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.40405 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.58196 | 0.0756 | g/100cc |
| 2. | Ethanol | Column 2: | 6.73501 | 0.0765 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.66911 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.55035 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-1** **Analysis Date(s): 03 Aug 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.2005 | 0.1996 | 0.0009 | 0.2000 | 0.0012 | 0.2006 |
| (g/100cc) | 0.2015 | 0.2009 | 0.0006 | 0.2012 | | |

**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%**

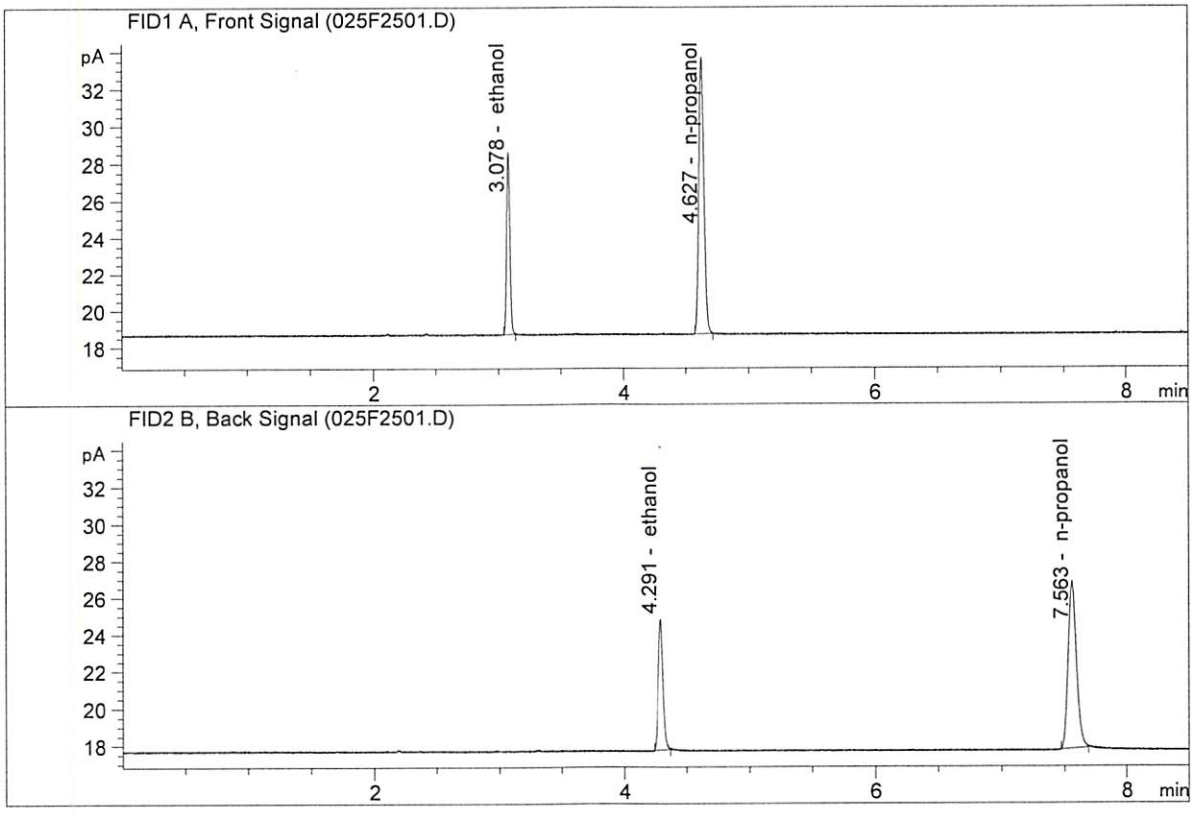
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.200** | **0.190** | **0.210** | **0.010** |

| | Reported Result | |
|---|---|---|
| | **0.200** | |

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

ISP Forensic Services Blood Alcohol Report

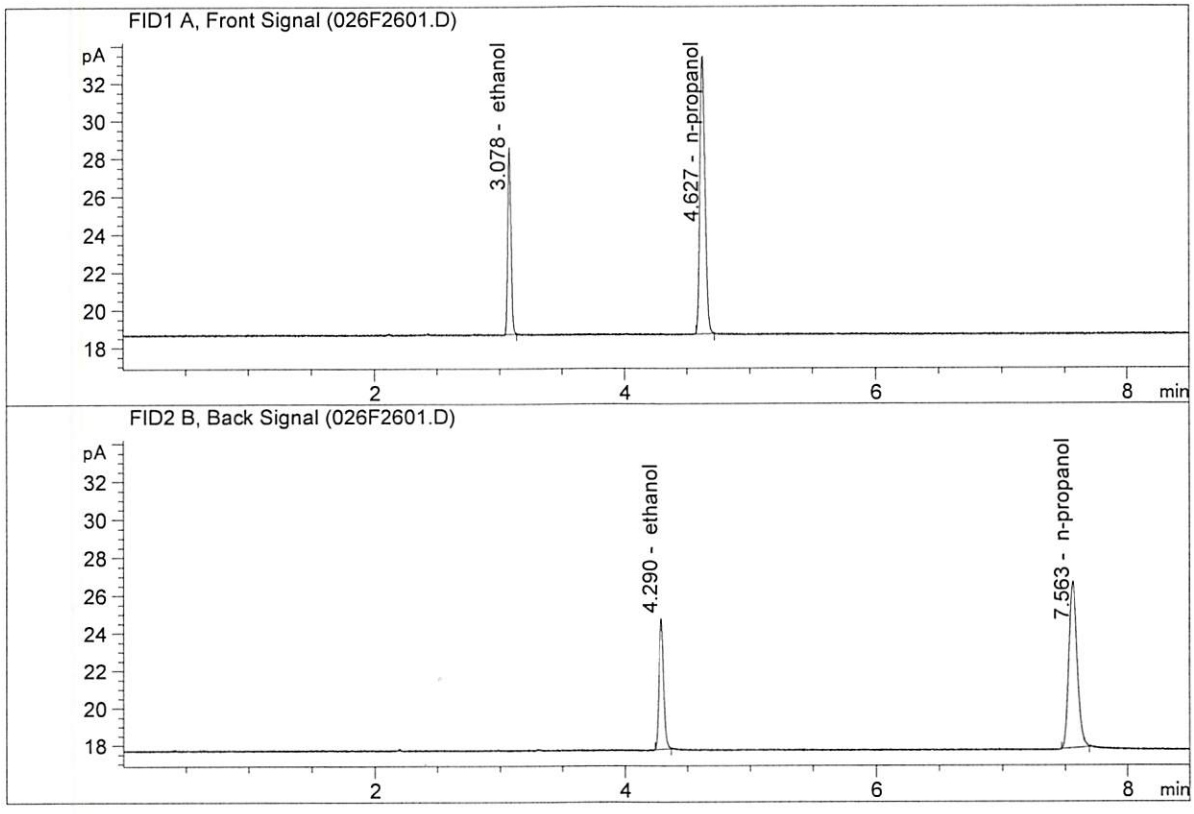
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.06762 | 0.2005 | g/100cc |
| 2. | Ethanol | Column 2: | 18.79276 | 0.1996 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.46585 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.37063 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.91791 | 0.2015 | g/100cc |
| 2. | Ethanol | Column 2: | 18.63644 | 0.2009 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.89214 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.71069 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-2** **Analysis Date(s): 04 Aug 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.2013 | 0.2009 | 0.0004 | 0.2011 | 0.0015 | 0.2003 |
| (g/100cc) | 0.1998 | 0.1995 | 0.0003 | 0.1996 | | |

**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%**

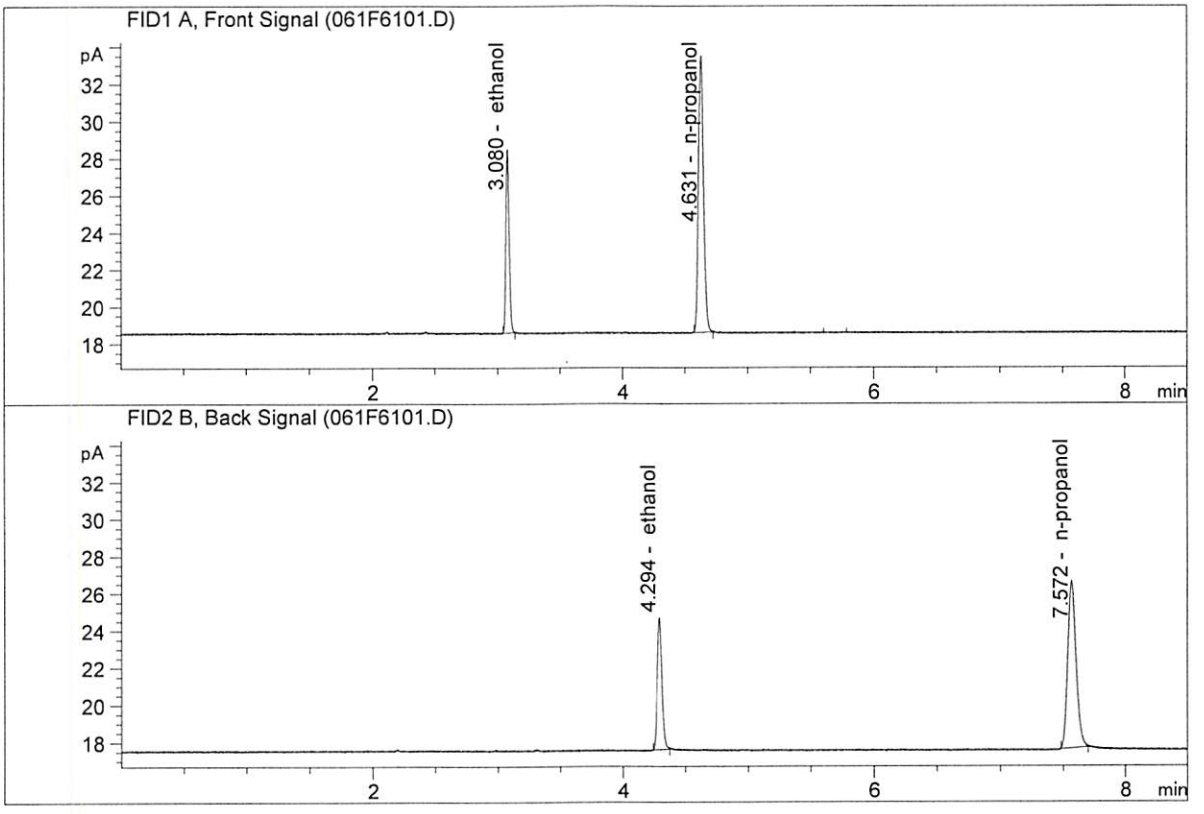
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.200** | **0.190** | **0.210** | **0.010** |

| | Reported Result | |
|---|---|---|
| | **0.200** | |

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

# ISP Forensic Services Blood Alcohol Report

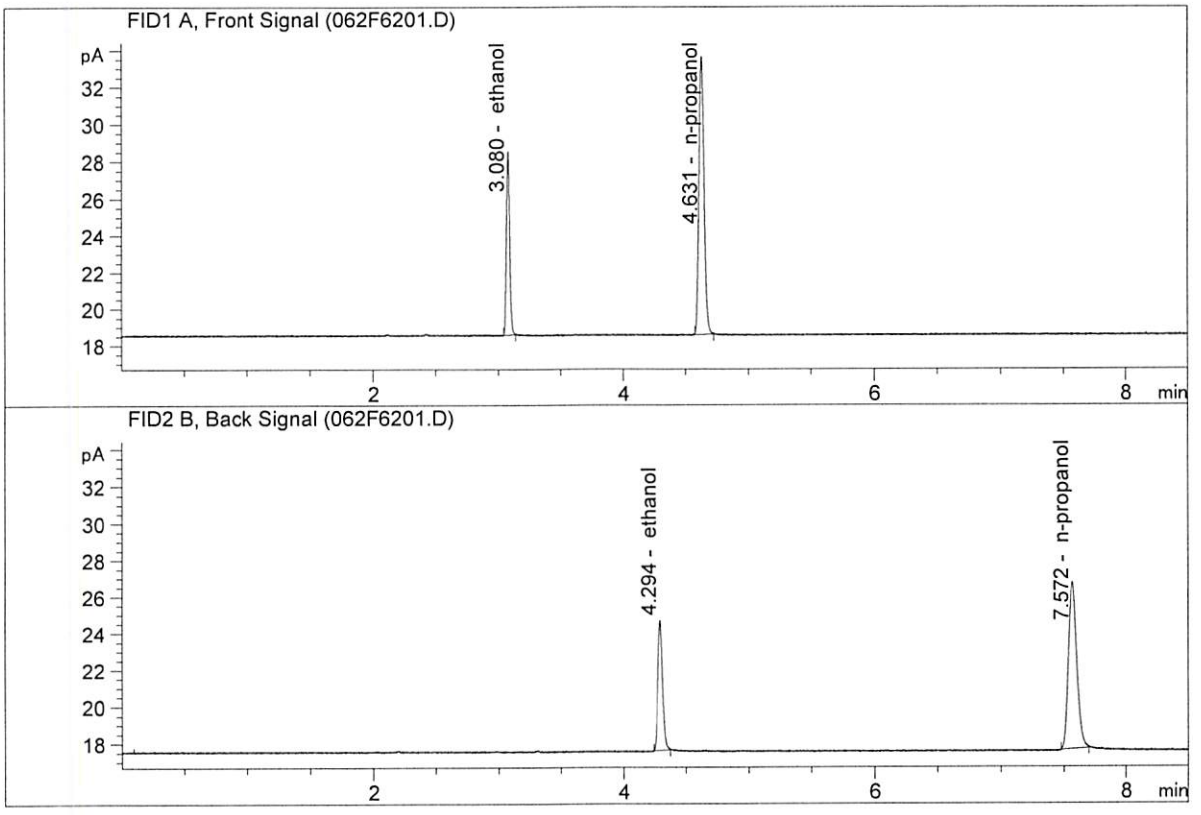
Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.11157 | 0.2013 | g/100cc |
| 2. | Ethanol | Column 2: | 18.89099 | 0.2009 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.39926 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.29881 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.20170 | 0.1998 | g/100cc |
| 2. | Ethanol | Column 2: | 18.99921 | 0.1995 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.93401 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.87828 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN04171701** **Analysis Date(s): 03 Aug 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0808 | 0.0815 | 0.0007 | 0.0811 | 0.0003 | 0.0810 |
| (g/100cc) | 0.0804 | 0.0813 | 0.0009 | 0.0808 | | |

**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%**

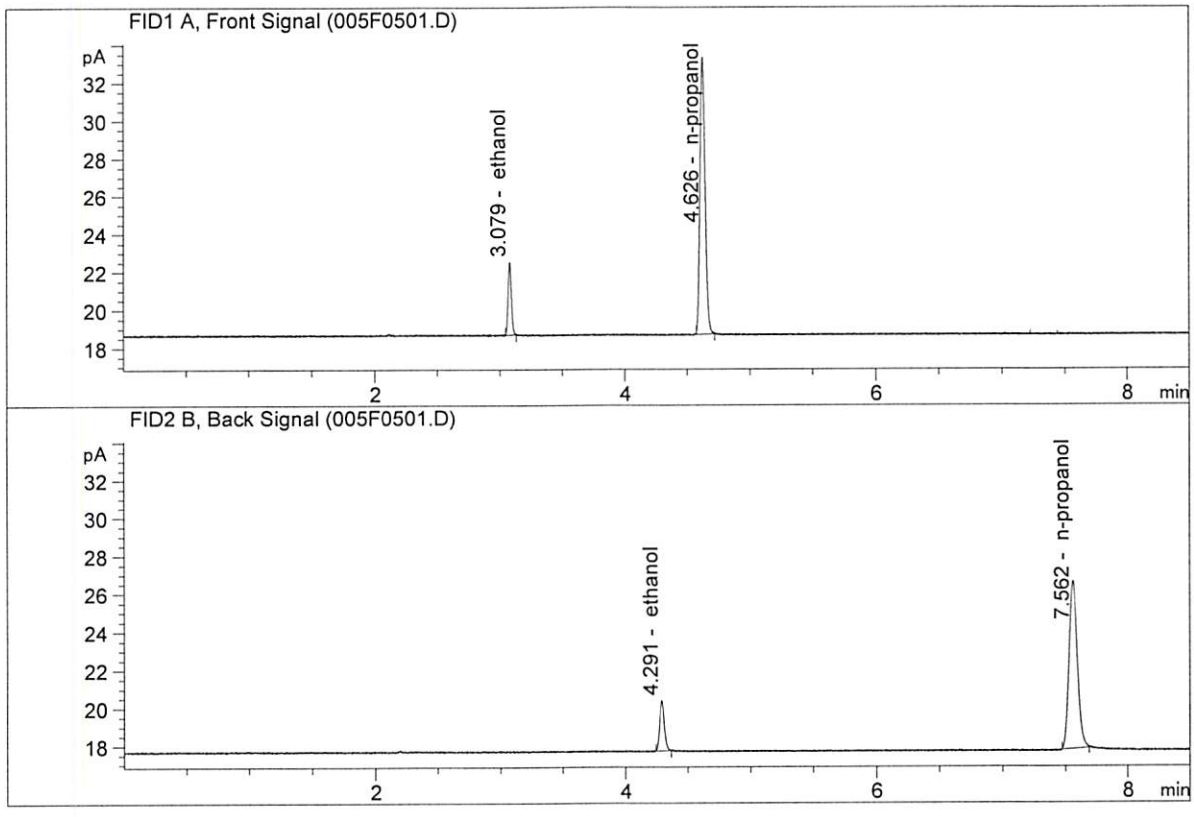
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.081 | 0.076 | 0.086 | 0.005 |

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

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

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.01621 | 0.0808 | g/100cc |
| 2. | Ethanol | Column 2: | 7.17740 | 0.0815 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.53315 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.40545 | 1.0000 | g/100cc |

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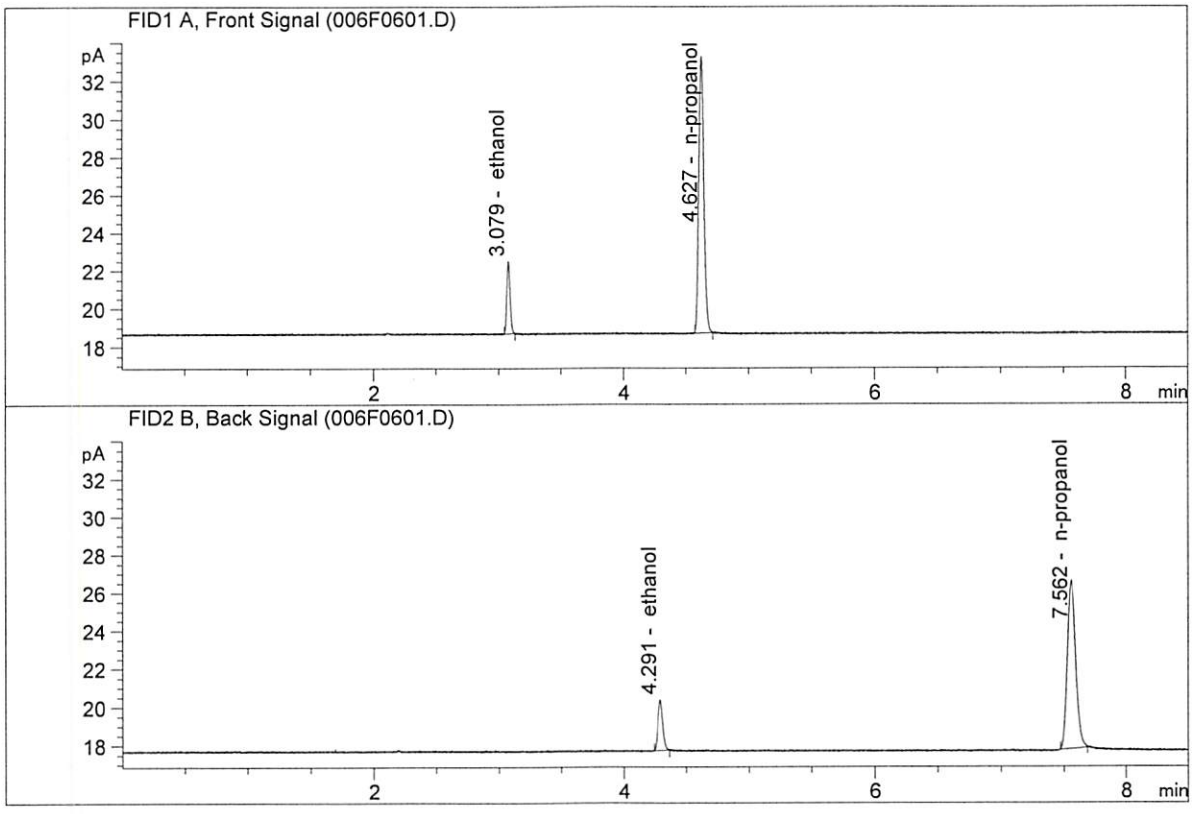
ISP Forensic Services Blood Alcohol Report

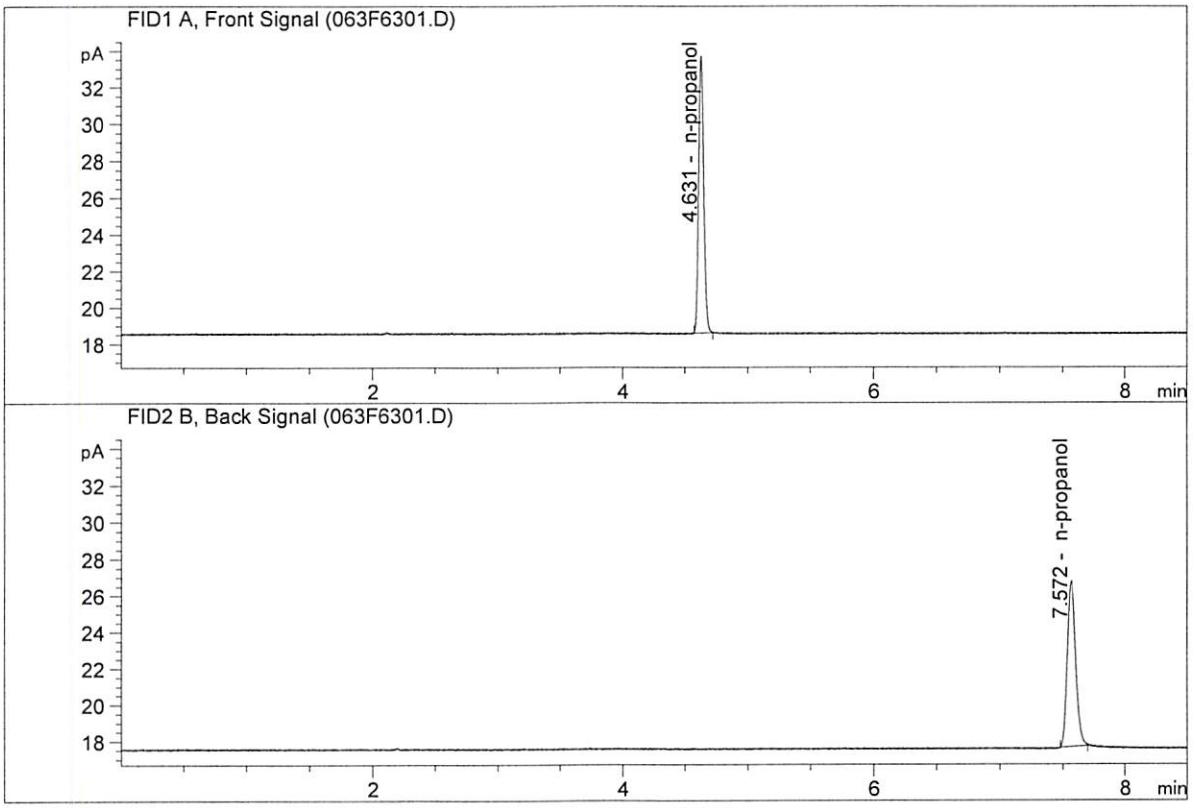
Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Aug 3, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.94346 | 0.0804 | g/100cc |
| 2. | Ethanol | Column 2: | 7.13464 | 0.0813 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.30838 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.23626 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 43.01685 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.03774 | 1.0000 | g/100cc |

Sequence File C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\08-04-20_INH.S

## Sample Summary

Sequence table: C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\08-04-20_INH.S
Data directory path: C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\
Logbook: C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\08-04-20_INH.LOG
Sequence start: 8/4/2020 9:25:13 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\ALCOHOL.M

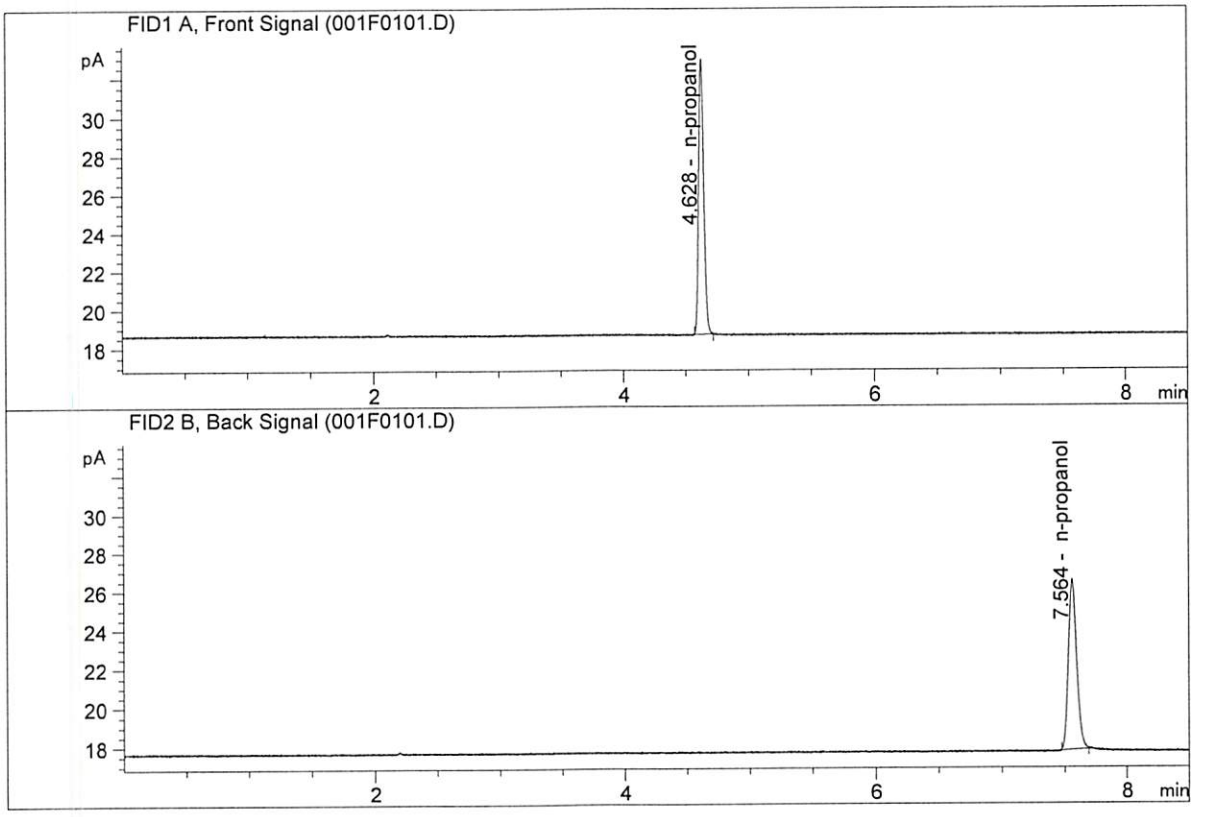
| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | INTERNAL STD BLK | - | 1.0000 | 001F0101.D | 2 |
| 2 | 2 | 1 | DFE 1119140M | - | 1.0000 | 002F0201.D | 2 |
| 3 | 3 | 1 | INTERNAL STD BKL | - | 1.0000 | 003F0301.D | 2 |
| 4 | 4 | 1 | TFE 111914 | - | 1.0000 | 004F0401.D | 2 |
| 5 | 5 | 1 | INTERNAL STD BLK | - | 1.0000 | 005F0501.D | 2 |

Method file name: C:\Chem32\1\Data\08-04-20_INH\08-04-20_INH 2020-08-04 09-10-35\SHUTDOWN.M

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 6 | 6 | 1 | EMPTY | - | 1.0000 | 006F0601.D | 0 |

# ISP Forensic Services Blood Alcohol Report

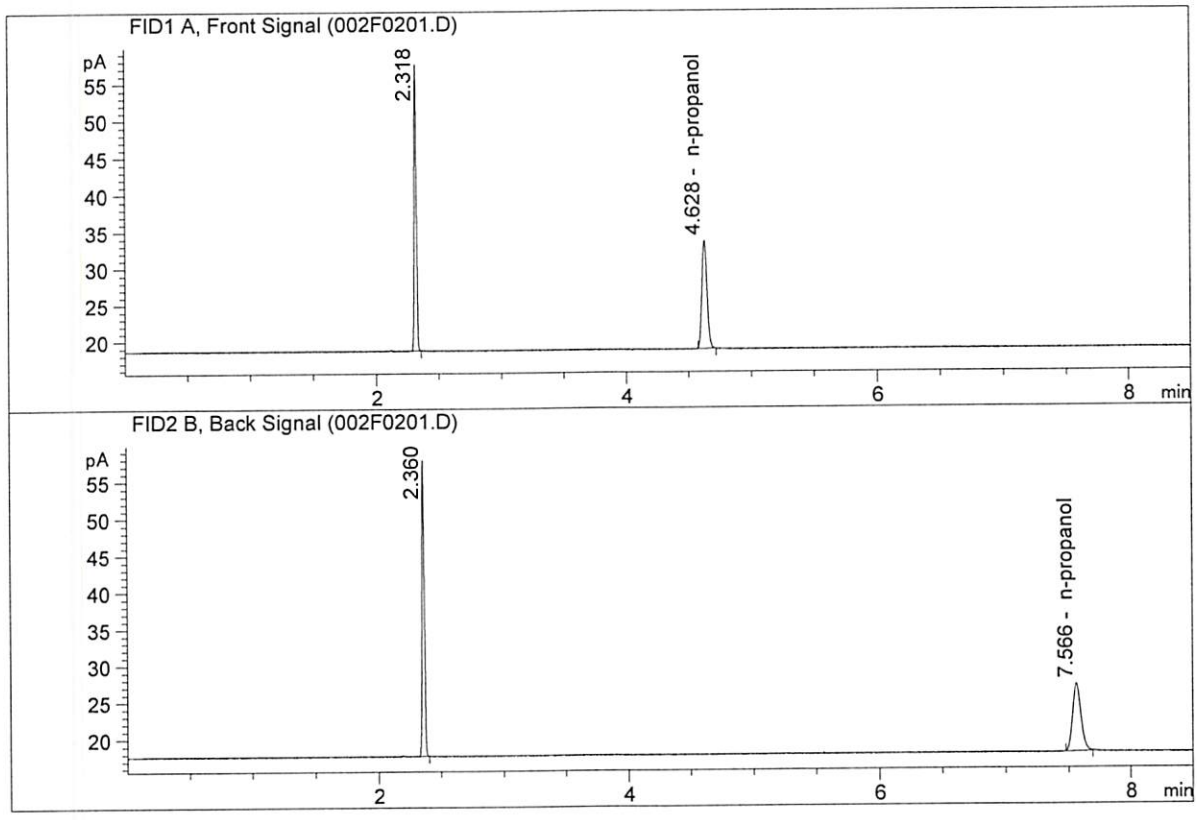
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 40.60629 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.10350 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

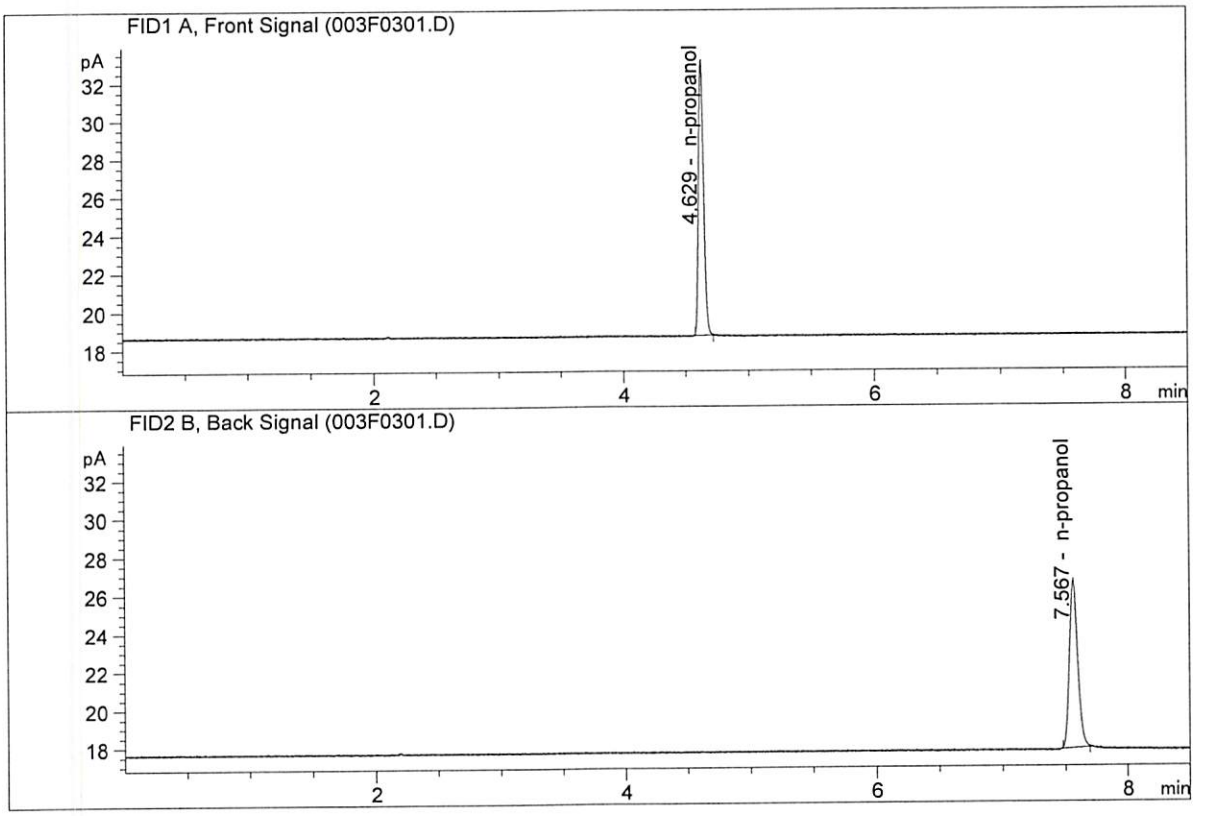
Sample Name : DFE 1119140M
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 42.26768 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.85588 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

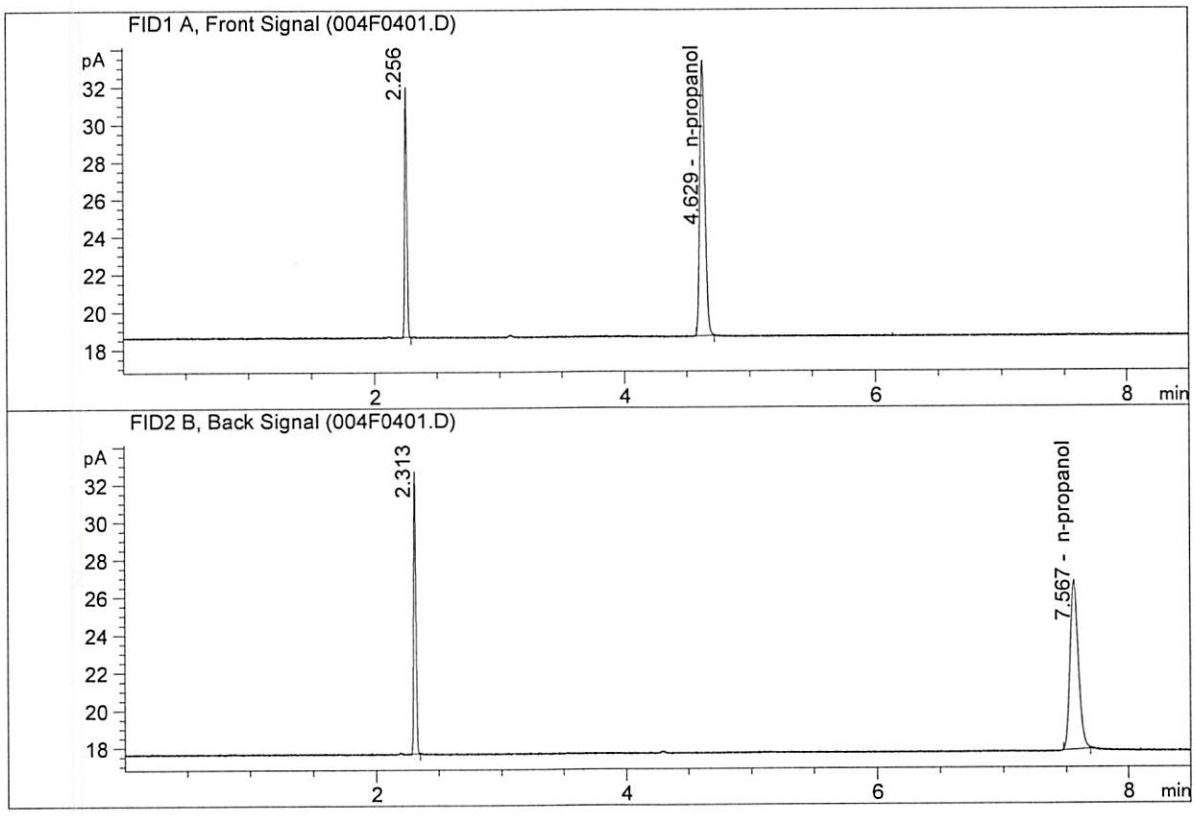
Sample Name : INTERNAL STD BKL2
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 41.24004 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.64863 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

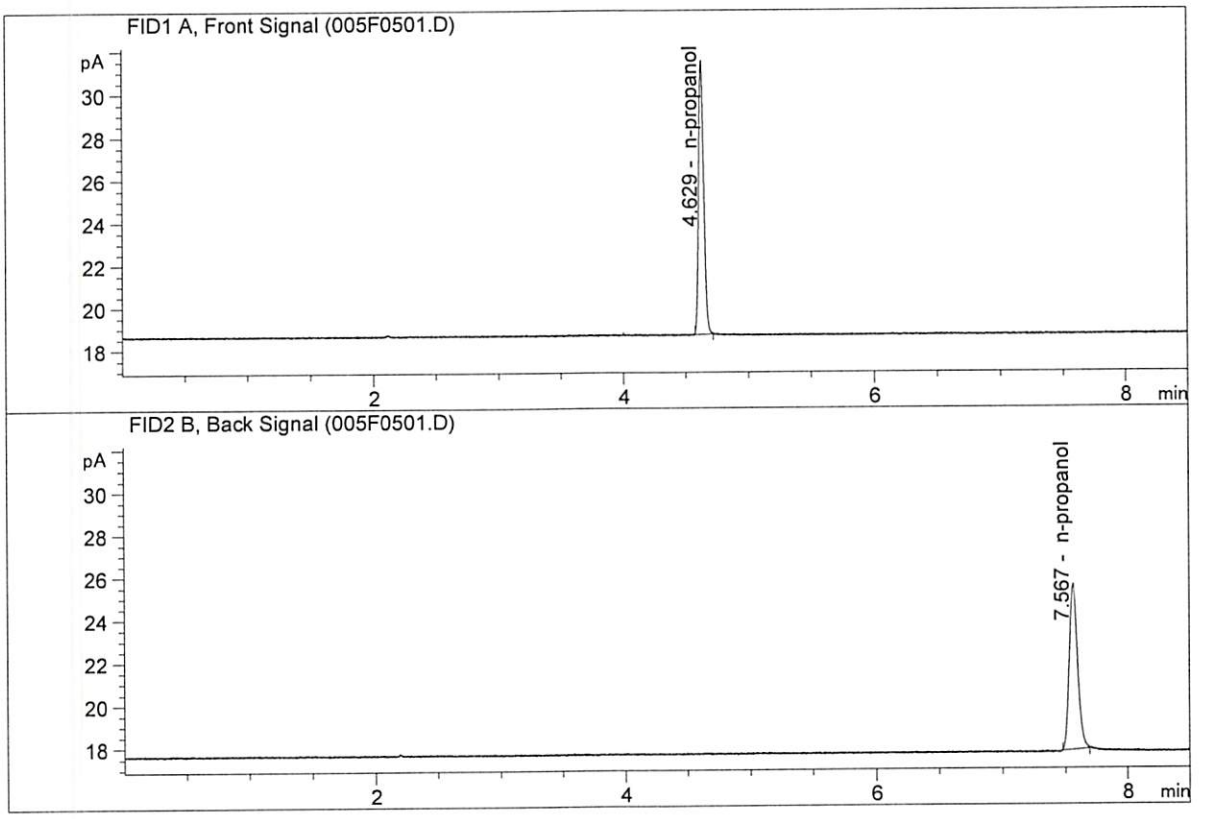



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.83076 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.16260 | 1.0000 | g/100cc |

W

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK3
Laboratory : Meridian
Injection Date : Aug 4, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 36.53241 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 37.37842 | 1.0000 | g/100cc |