## 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): 9/25/20-9/26/20, 9/28/20**

Calibration Date(s): 9/18/20

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jul-23 | 1907006 | 0.0764 | 0.0688-0.0840 | 0.0724 g/100cc |
| | | | | | 0.0744 g/100cc |
| | | | | | g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.1972 g/100cc |
| | | | | | 0.1945 g/100cc |
| | | | | | g/100cc |

| | | | | |
|---|---|---|---|---|
| **Multi-Component mixture:** | | **Lot #** | FN07101701 | ok |
| **Curve Fit:** | **Column 1** | 0.99998 | **Column2** | 0.99992 |

**Ethanol Calibration Reference Material**

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0506 | 0.0521 | 0.0015 | 0.0513 |
| 100 | 0.100 | 0.090 - 0.110 | 0.1002 | 0.1000 | 0.0002 | 0.1001 |
| 200 | 0.200 | 0.180 - 0.220 | 0.2000 | 0.1990 | 0.001 | 0.1995 |
| 300 | 0.300 | 0.270 - 0.330 | | | 0 | #DIV/0! |
| 400 | 0.400 | 0.360 - 0.440 | 0.2983 | 0.2967 | 0.0016 | 0.2975 |
| 500 | 0.500 | 0.450 - 0.550 | 0.5009 | 0.5022 | 0.0013 | 0.5015 |

**Aqueous Controls**

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

**REVIEWED**
By Galina Giso at 8:27 am, Sep 29, 2020

JG

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

9/28/2020

**Worklist: 4539**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| M2020-3754 | 1 | BCK | Alcohol Analysis |
| M2020-3763 | 1 | BCK | Alcohol Analysis |
| M2020-3764 | 1 | BCK | Alcohol Analysis |
| M2020-3765 | 1 | BCK | Alcohol Analysis |
| M2020-3774 | 2 | BCK | Alcohol Analysis |
| M2020-3775 | 1 | BCK | Alcohol Analysis |
| M2020-3776 | 1 | BCK | Alcohol Analysis |
| M2020-3815 | 1 | BCK | Alcohol Analysis |
| M2020-3816 | 1 | BCK | Alcohol Analysis |
| M2020-3829 | 1 | BCK | Alcohol Analysis |
| M2020-3830 | 1 | BCK | Alcohol Analysis |
| P2020-2784 | 1 | BCK | Alcohol Analysis |
| P2020-2786 | 1 | BCK | Alcohol Analysis |
| P2020-2797 | 1 | BCK | Alcohol Analysis |
| P2020-2804 | 1 | BCK | Alcohol Analysis |
| P2020-2805 | 1 | BCK | Alcohol Analysis |
| P2020-2818 | 1 | BCK | Alcohol Analysis |
| P2020-2819 | 1 | BCK | Alcohol Analysis |
| P2020-2820 | 1 | BCK | Alcohol Analysis |
| P2020-2822 | 1 | BCK | Alcohol Analysis |
| P2020-2823 | 1 | BCK | Alcohol Analysis |

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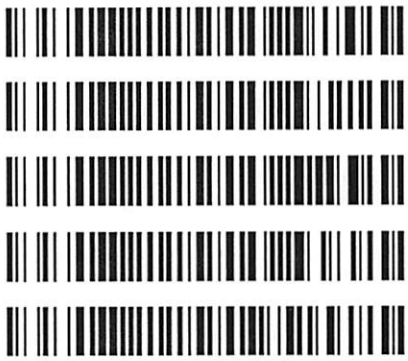
**Worklist: 4539**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| P2020-2832 | 2 | BCK | Alcohol Analysis |
| P2020-2833 | 1 | BCK | Alcohol Analysis |
| P2020-2838 | 1 | BCK | Alcohol Analysis |
| P2020-2842 | 1 | BCK | Alcohol Analysis |
| P2020-2852 | 1 | BCK | Alcohol Analysis |



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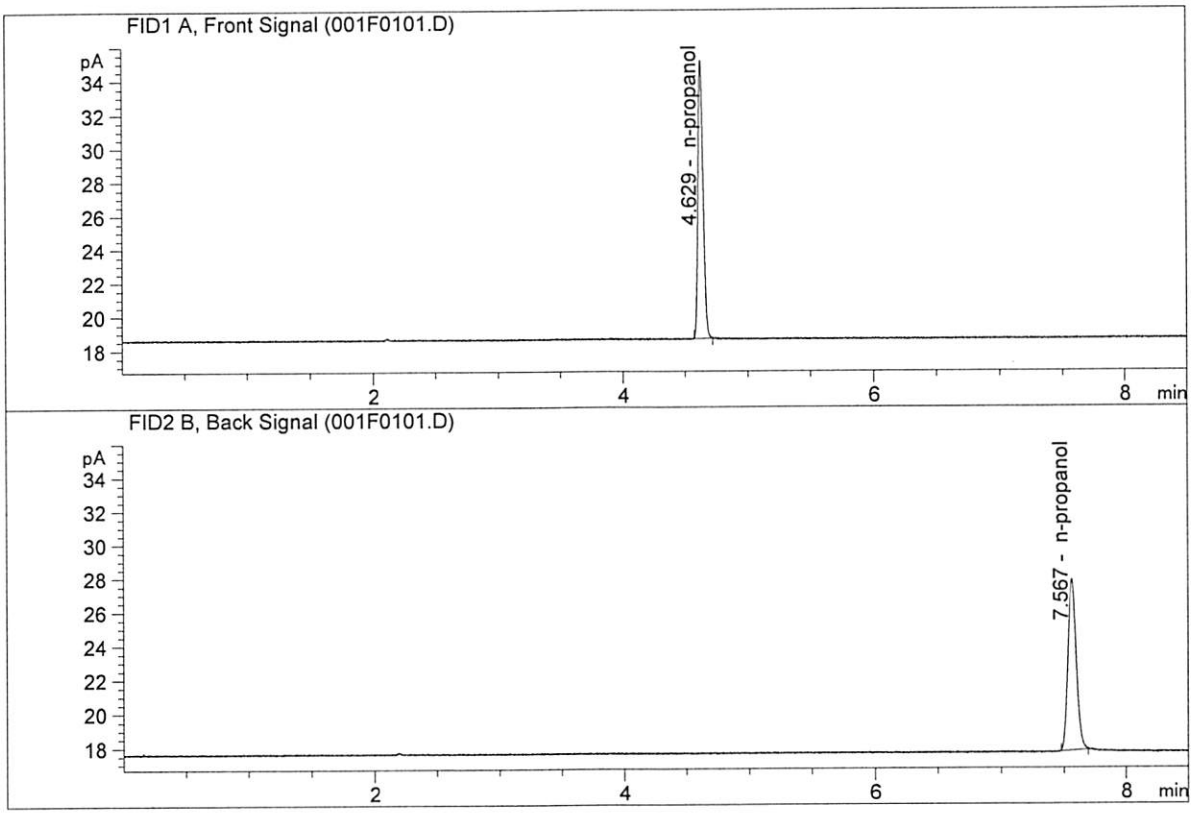
# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Sep 25, 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: | 46.71353 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.45733 | 1.0000 | g/100cc |

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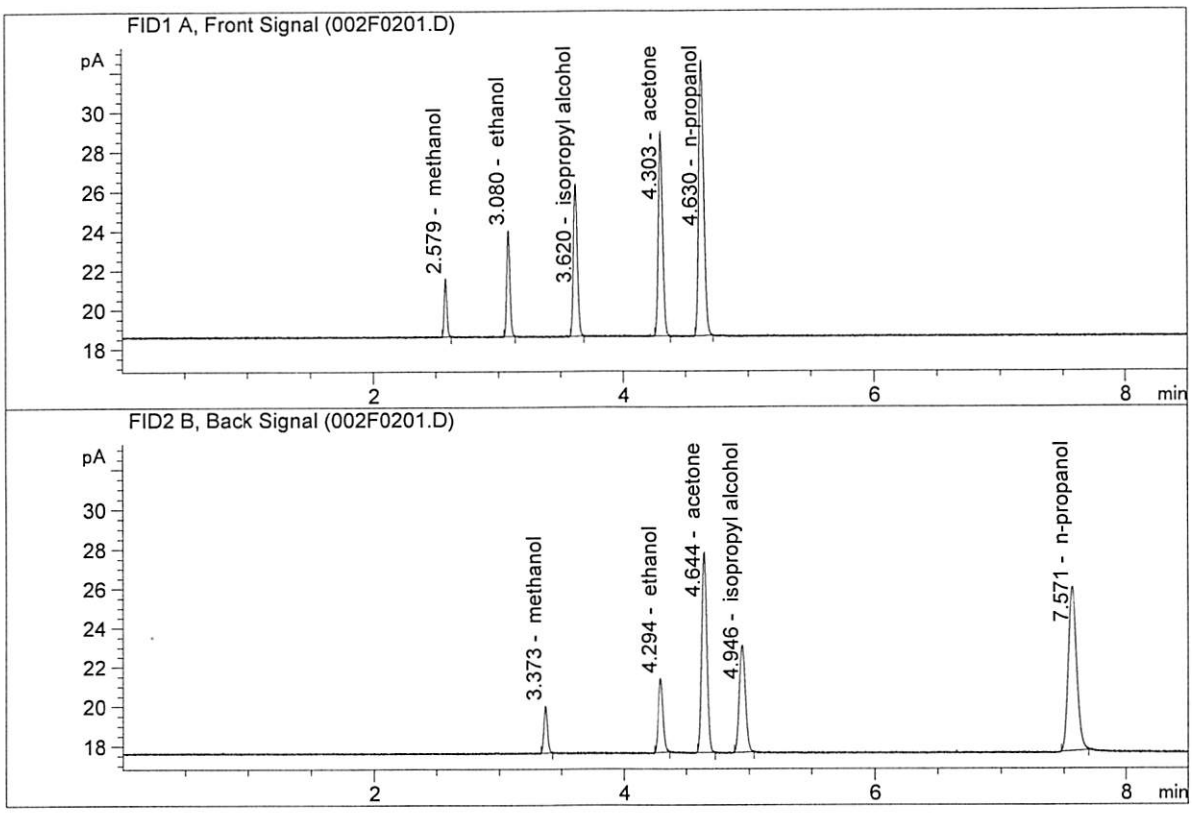
# ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN07101701
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 9.63982 | 0.1278 | g/100cc |
| 2. | Ethanol | Column 2: | 9.89200 | 0.1278 | g/100cc |
| 3. | n-Propanol | Column 1: | 39.26853 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 40.11525 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-1** **Analysis Date(s): 25 Sep 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0719 | 0.0728 | 0.0009 | 0.0723 | 0.0002 | 0.0724 |
| (g/100cc) | 0.0722 | 0.0729 | 0.0007 | 0.0725 | | |

**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%**

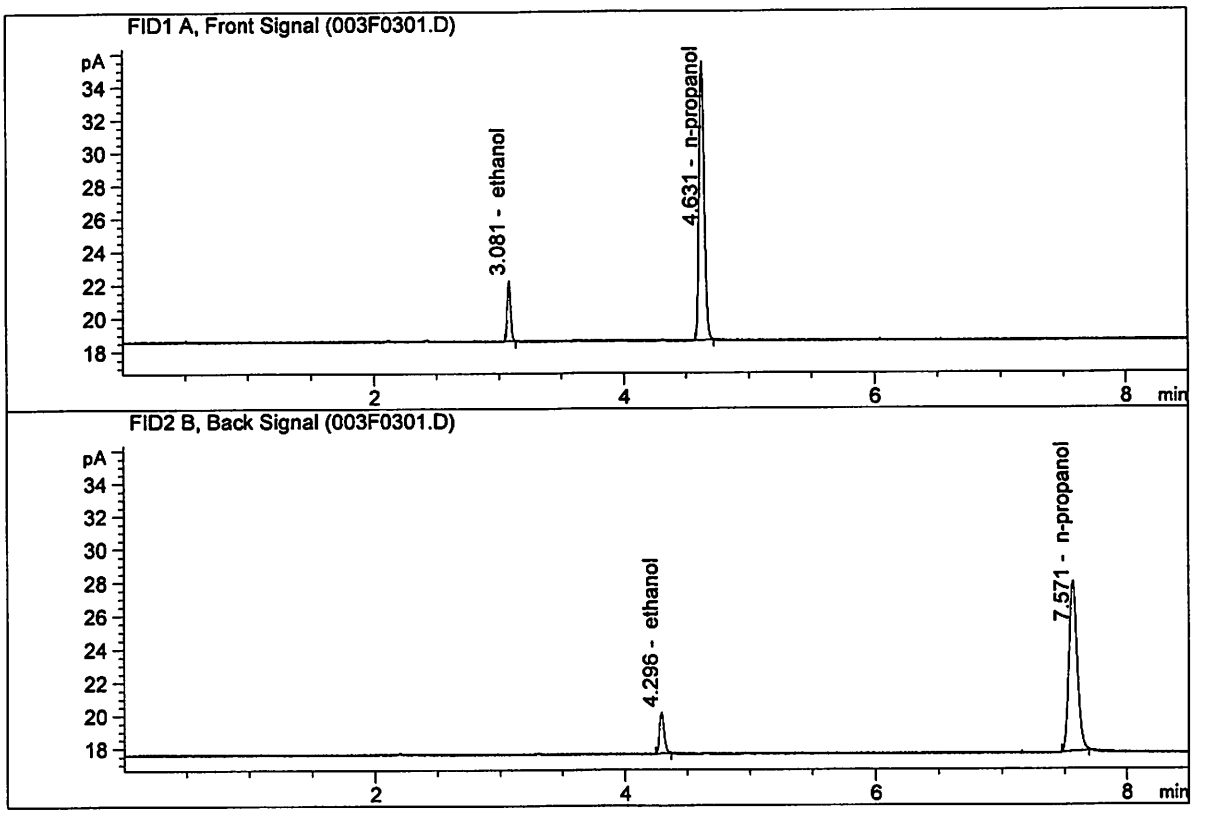
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.072 | 0.068 | 0.076 | 0.004 |

| | Reported Result | |
|---|---|---|
| | 0.072 | |

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.57139 | 0.0719 | g/100cc |
| 2. | Ethanol | Column 2: | 6.68923 | 0.0728 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.82554 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.16318 | 1.0000 | g/100cc |

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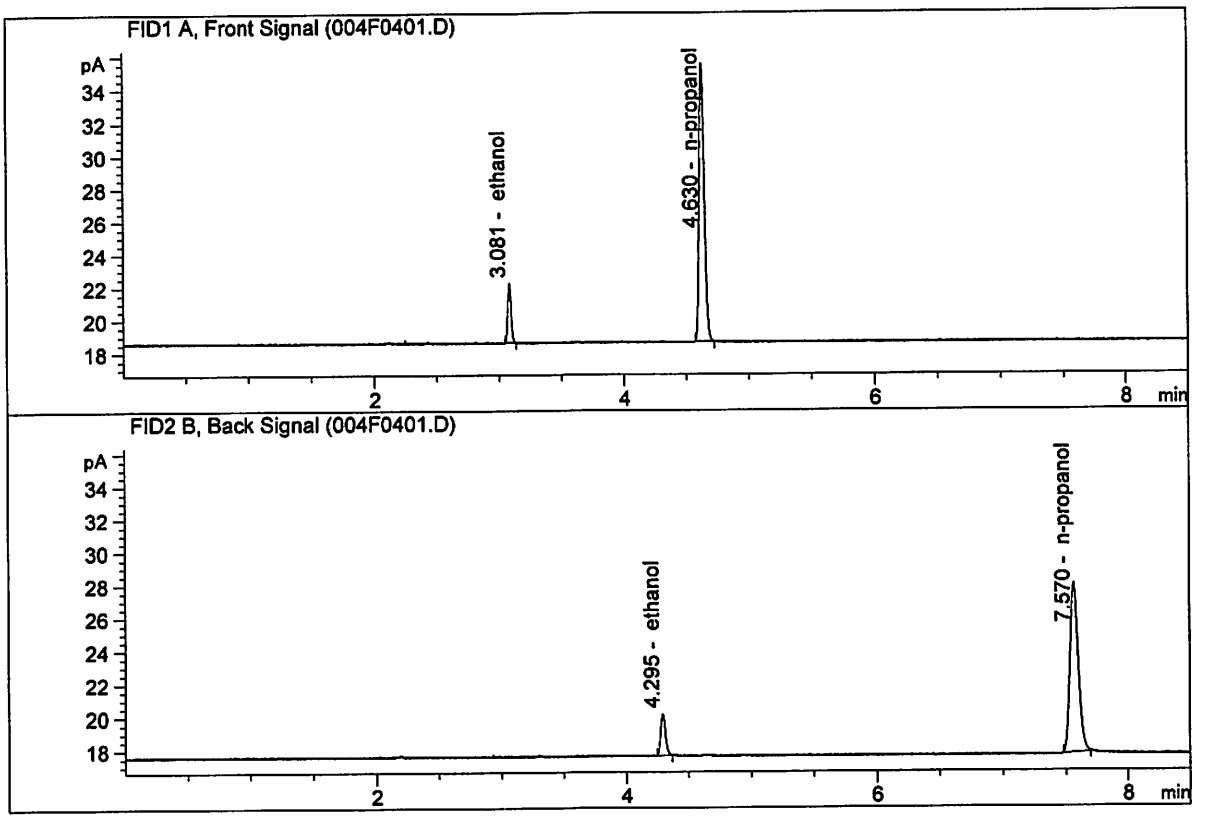
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.61190 | 0.0722 | g/100cc |
| 2. | Ethanol | Column 2: | 6.71213 | 0.0729 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.95732 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.23557 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN04171701** **Analysis Date(s): 25 Sep 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0794 | 0.0800 | 0.0006 | 0.0797 | 0.0001 | 0.0796 |
| (g/100cc) | 0.0795 | 0.0798 | 0.0003 | 0.0796 | | |

**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%**

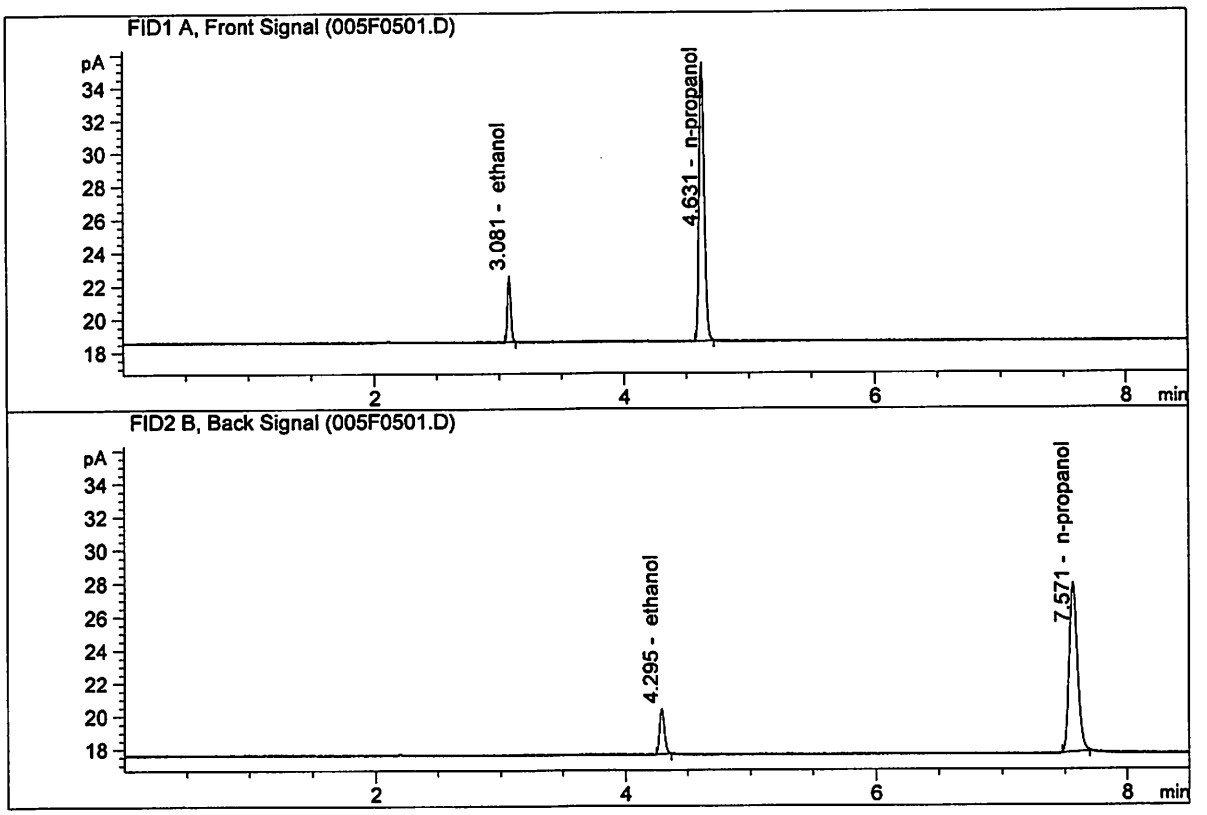
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.079 | 0.075 | 0.083 | 0.004 |

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

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.25982 | 0.0794 | g/100cc |
| 2. | Ethanol | Column 2: | 7.39101 | 0.0800 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.84734 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.04729 | 1.0000 | g/100cc |

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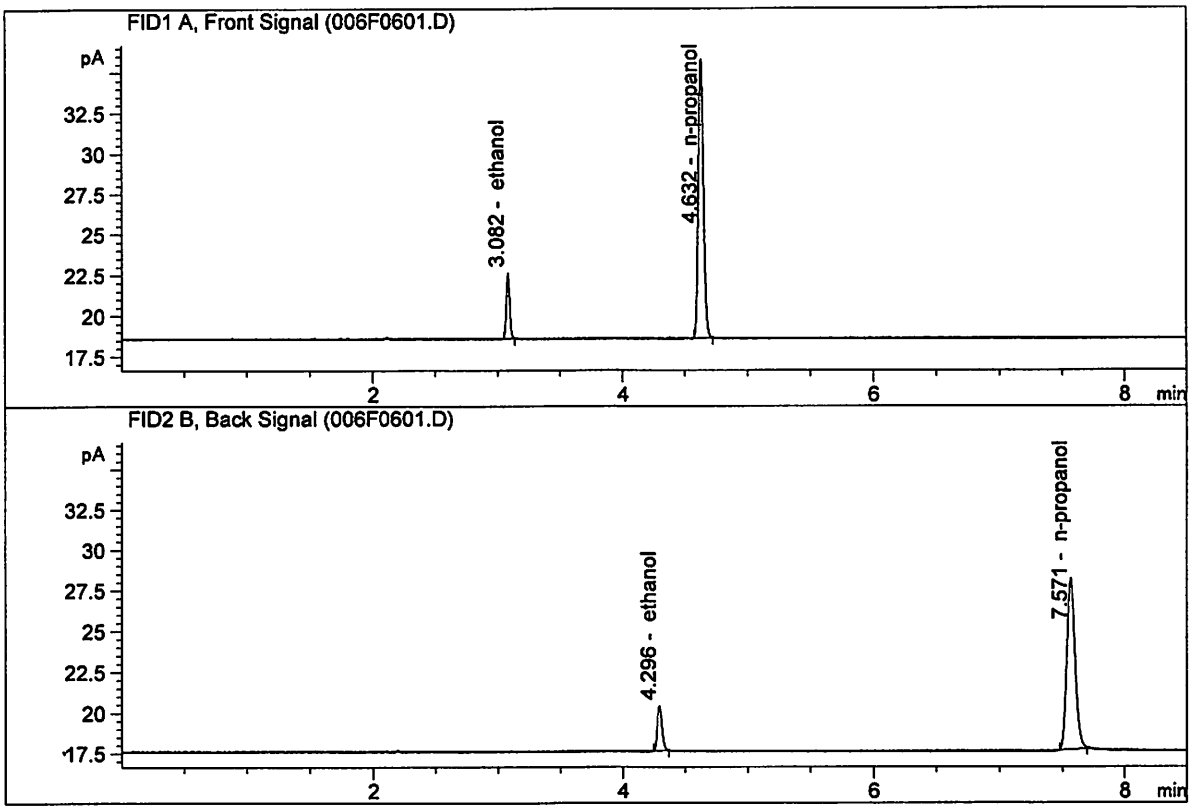
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.44361 | 0.0795 | g/100cc |
| 2. | Ethanol | Column 2: | 7.54941 | 0.0798 | g/100cc |
| 3. | n-Propanol | Column 1: | 48.96355 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 50.29087 | 1.0000 | g/100cc |

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-1** **Analysis Date(s): 25 Sep 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.1968 | 0.1962 | 0.0006 | 0.1965 | 0.0014 | 0.1972 |
| (g/100cc) | 0.1981 | 0.1977 | 0.0004 | 0.1979 | | |

**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%**

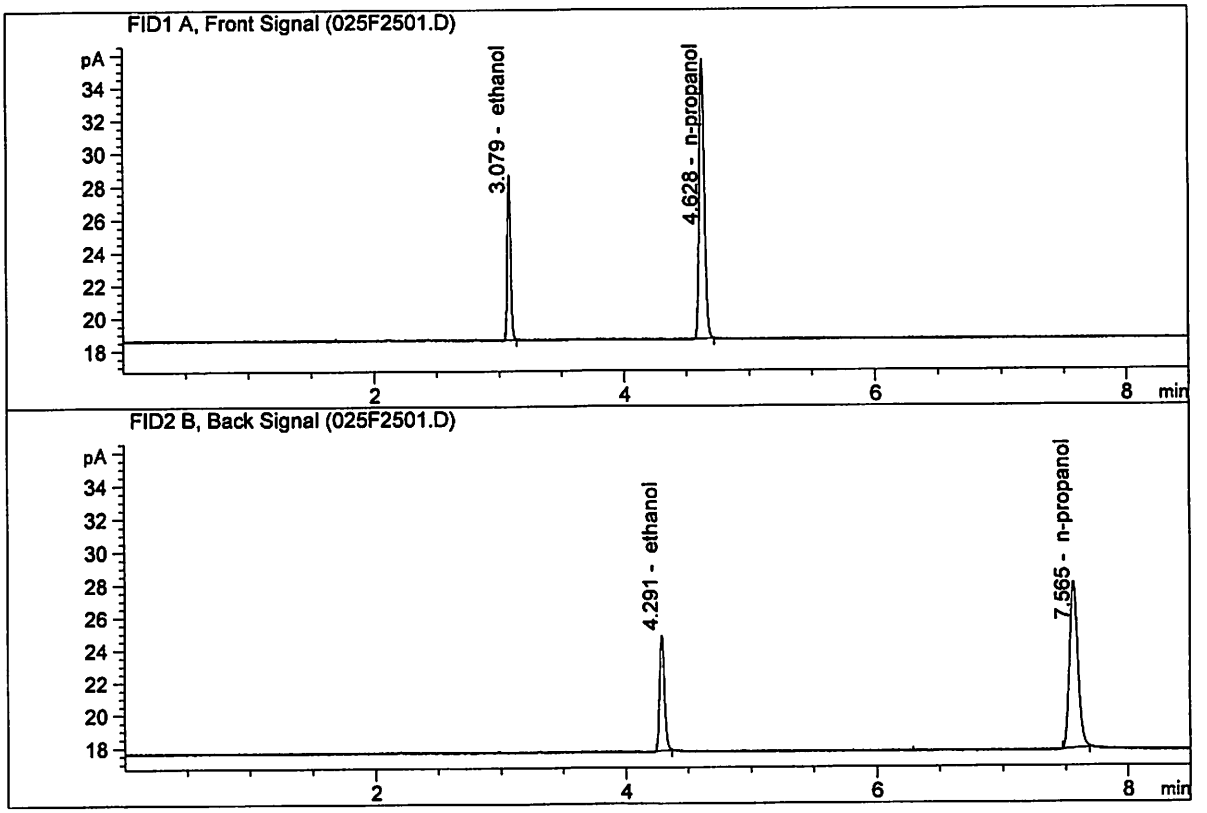
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.197 | 0.187 | 0.207 | 0.010 |

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

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.26840 | 0.1968 | g/100cc |
| 2. | Ethanol | Column 2: | 18.89624 | 0.1962 | g/100cc |
| 3. | n-Propanol | Column 1: | 48.22231 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.19555 | 1.0000 | g/100cc |

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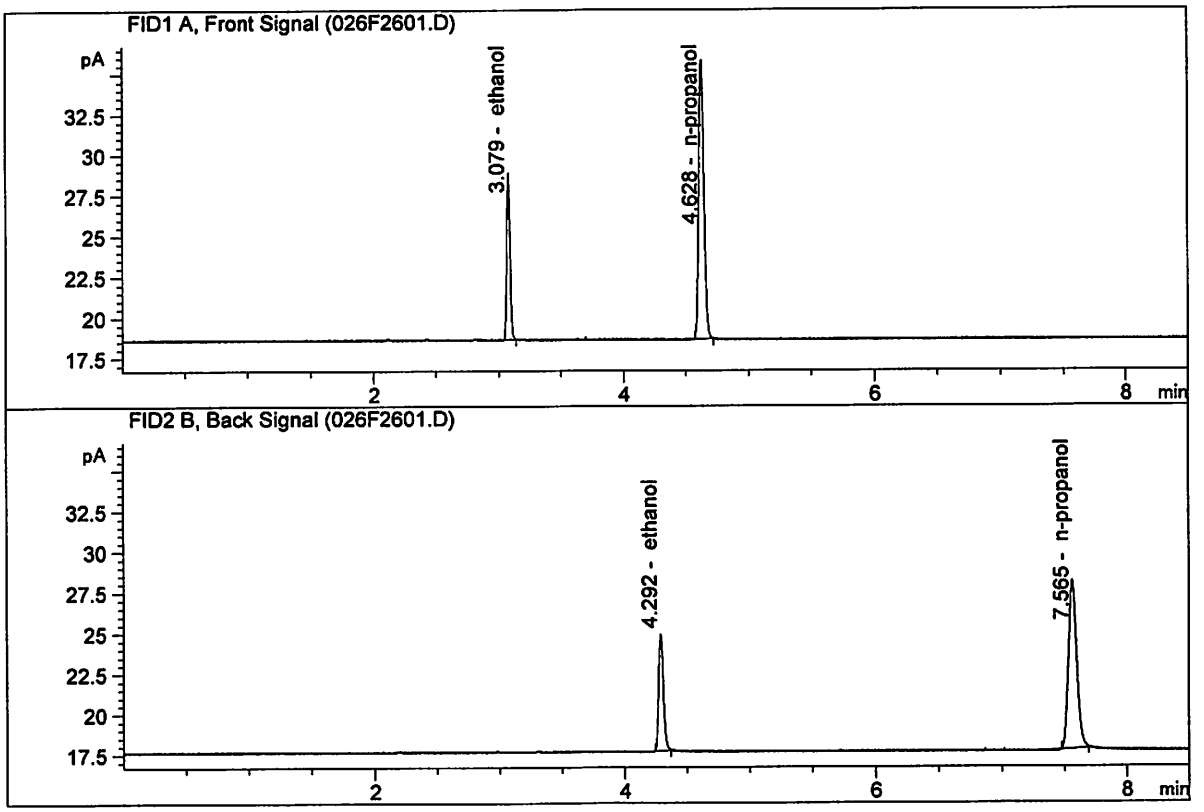
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.67315 | 0.1981 | g/100cc |
| 2. | Ethanol | Column 2: | 19.31657 | 0.1977 | g/100cc |
| 3. | n-Propanol | Column 1: | 48.95048 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.89985 | 1.0000 | g/100cc |

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# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-2** **Analysis Date(s): 25 Sep 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0747 | 0.0754 | 0.0007 | 0.0750 | 0.0012 | 0.0744 |
| (g/100cc) | 0.0732 | 0.0745 | 0.0013 | 0.0738 | | |

**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%**

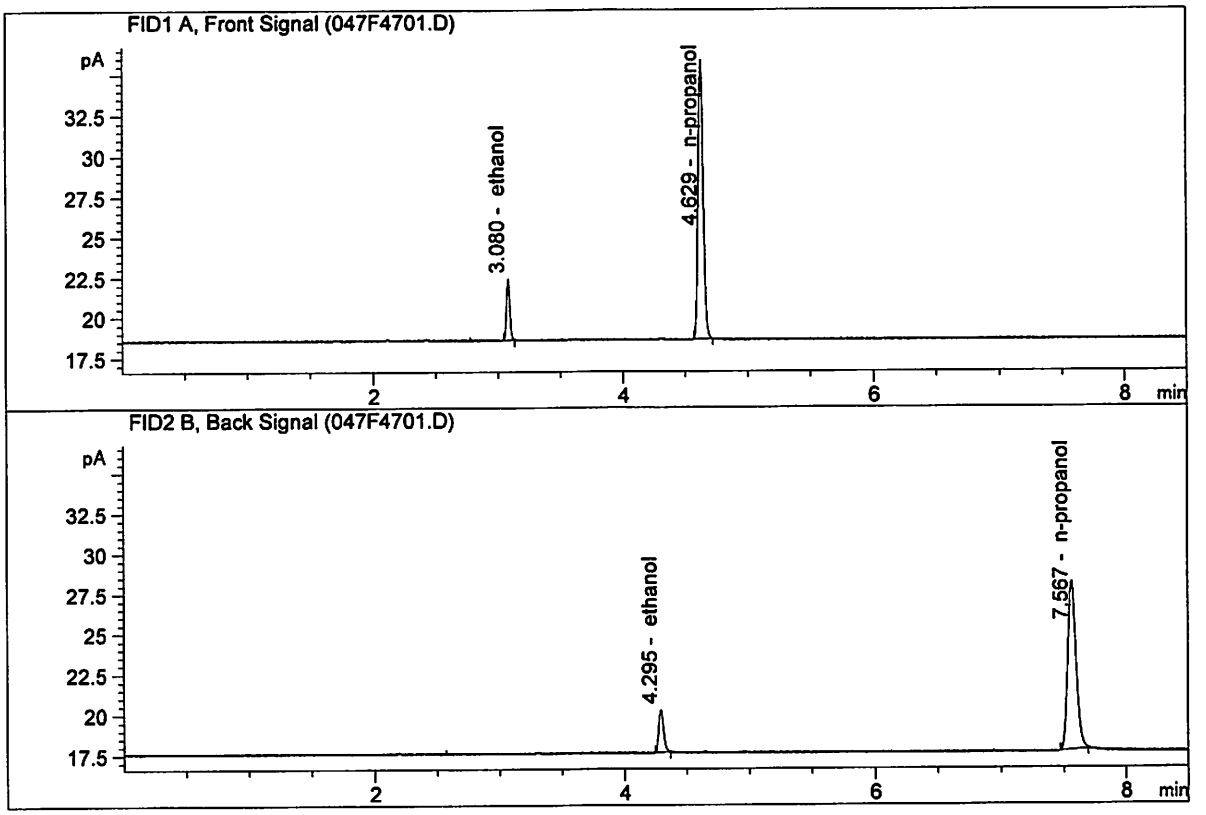
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.074 | 0.070 | 0.078 | 0.004 |

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

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.00779 | 0.0747 | g/100cc |
| 2. | Ethanol | Column 2: | 7.09124 | 0.0754 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.12575 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 50.19691 | 1.0000 | g/100cc |

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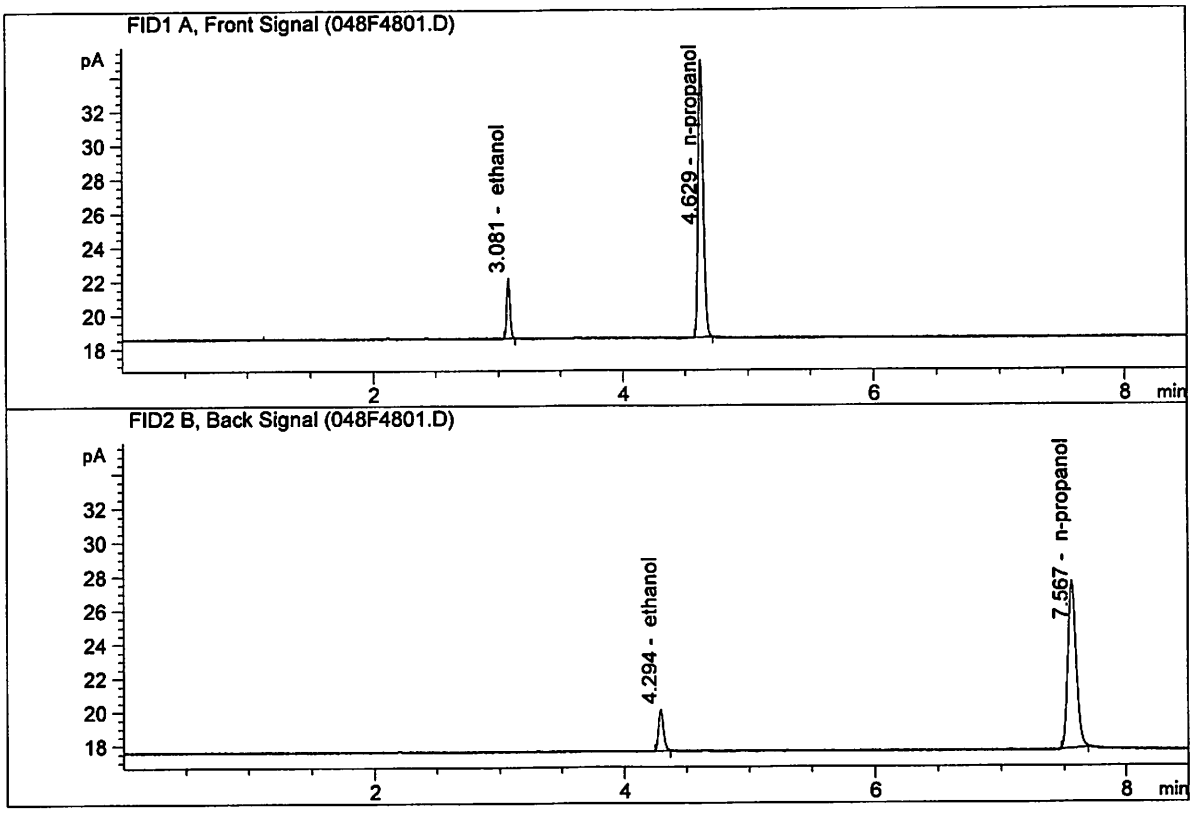
# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Sep 25, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.50818 | 0.0732 | g/100cc |
| 2. | Ethanol | Column 2: | 6.62975 | 0.0745 | g/100cc |
| 3. | n-Propanol | Column 1: | 46.53722 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 47.54227 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-2** **Analysis Date(s): 26 Sep 2020**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results (g/100cc) | 0.1952 | 0.1938 | 0.0014 | 0.1945 | 0.0000 | 0.1945 |
| | 0.1949 | 0.1942 | 0.0007 | 0.1945 | | |

**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%**

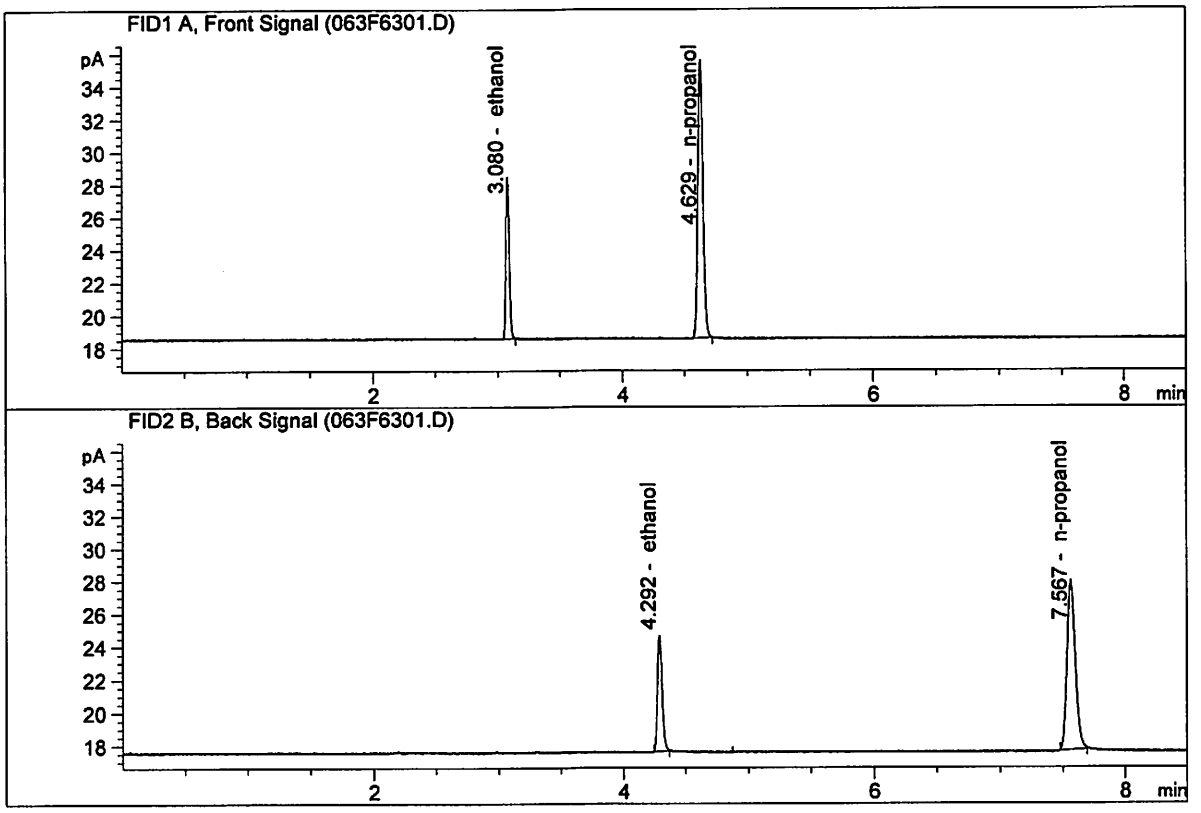
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.194 | 0.184 | 0.204 | 0.010 |

| | Reported Result | |
|---|---|---|
| | 0.194 | |

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Sep 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.14225 | 0.1952 | g/100cc |
| 2. | Ethanol | Column 2: | 18.75072 | 0.1938 | g/100cc |
| 3. | n-Propanol | Column 1: | 48.27809 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.44168 | 1.0000 | g/100cc |

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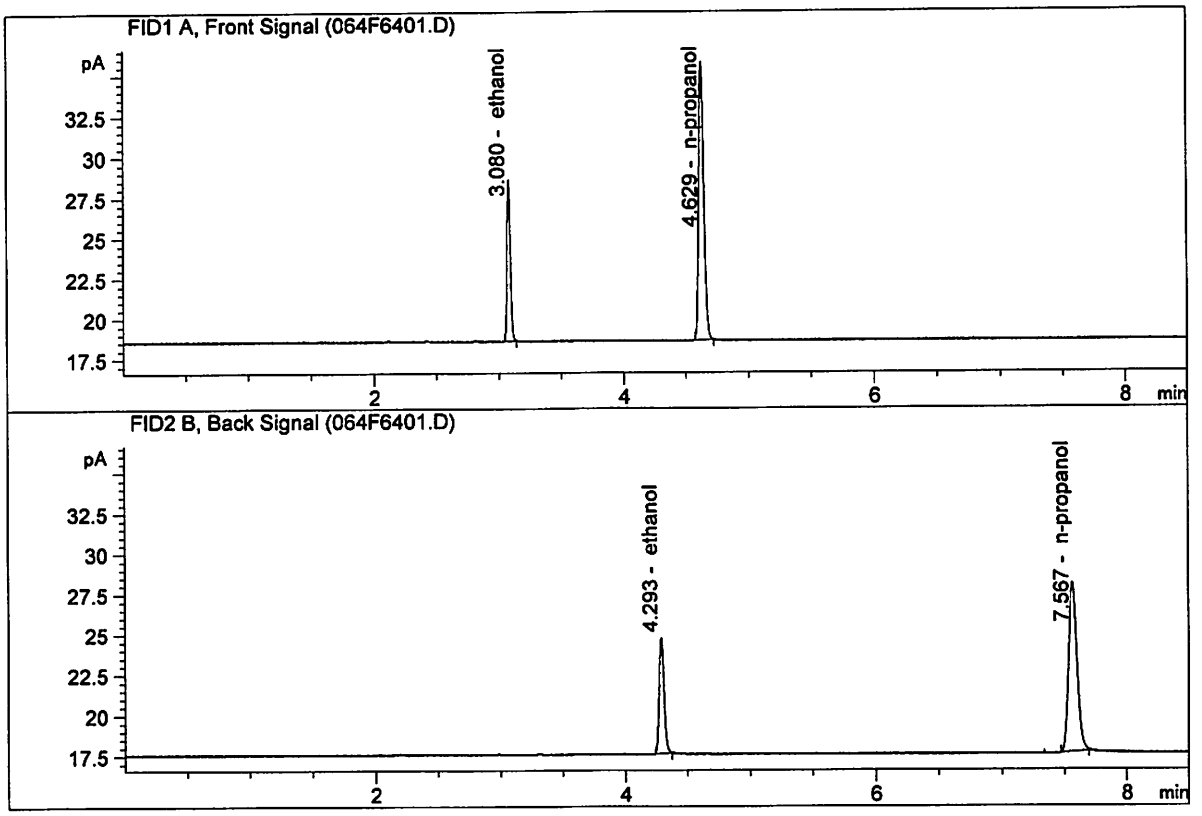
# ISP Forensic Services Blood Alcohol Report

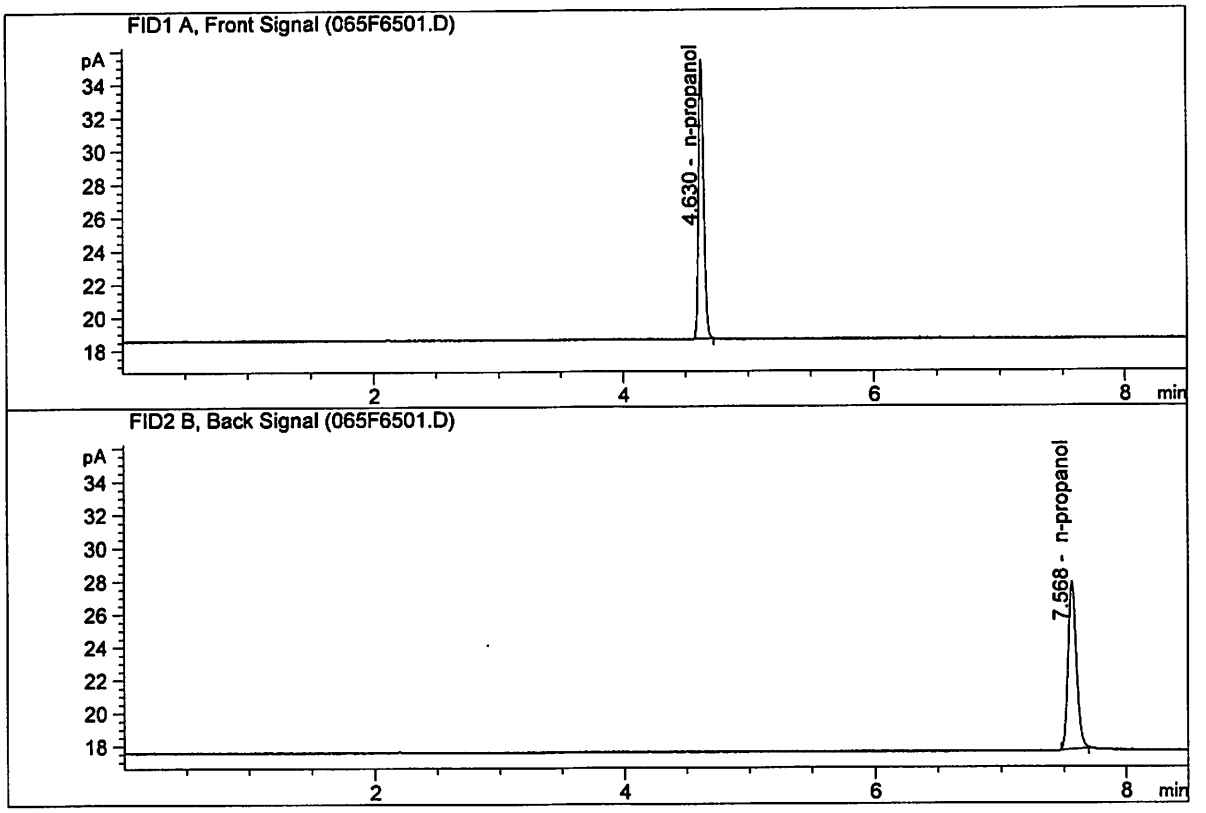
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Sep 26, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.34885 | 0.1949 | g/100cc |
| 2. | Ethanol | Column 2: | 19.06179 | 0.1942 | g/100cc |
| 3. | n-Propanol | Column 1: | 48.89515 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 50.16590 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Sep 26, 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: | 47.72908 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.93928 | 1.0000 | g/100cc |

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# Sample Summary

Sequence table: C:\Chem32\1\Data\09-25-20_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\09-25-20_SAMPLES.S
Data directory path: C:\Chem32\1\Data\09-25-20_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\
Logbook: C:\Chem32\1\Data\09-25-20_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\09-25-20_SAMPLES.LOG
Sequence start: 9/25/2020 3:39:57 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-25-20_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\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 FN071017 | - | 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 | M2020-3754-1-A | - | 1.0000 | 007F0701.D | | 2 |
| 8 | 8 | 1 | M2020-3754-1-B | - | 1.0000 | 008F0801.D | | 2 |
| 9 | 9 | 1 | M2020-3763-1-A | - | 1.0000 | 009F0901.D | | 4 |
| 10 | 10 | 1 | M2020-3763-1-B | - | 1.0000 | 010F1001.D | | 4 |
| 11 | 11 | 1 | M2020-3764-1-A | - | 1.0000 | 011F1101.D | | 4 |
| 12 | 12 | 1 | M2020-3764-1-B | - | 1.0000 | 012F1201.D | | 4 |
| 13 | 13 | 1 | M2020-3765-1-A | - | 1.0000 | 013F1301.D | | 2 |
| 14 | 14 | 1 | M2020-3765-1-B | - | 1.0000 | 014F1401.D | | 2 |
| 15 | 15 | 1 | M2020-3774-2-A | - | 1.0000 | 015F1501.D | | 2 |
| 16 | 16 | 1 | M2020-3774-2-B | - | 1.0000 | 016F1601.D | | 2 |
| 17 | 17 | 1 | M2020-3775-1-A | - | 1.0000 | 017F1701.D | | 4 |
| 18 | 18 | 1 | M2020-3775-1-B | - | 1.0000 | 018F1801.D | | 4 |
| 19 | 19 | 1 | M2020-3776-1-A | - | 1.0000 | 019F1901.D | | 4 |
| 20 | 20 | 1 | M2020-3776-1-B | - | 1.0000 | 020F2001.D | | 4 |
| 21 | 21 | 1 | M2020-3815-1-A | - | 1.0000 | 021F2101.D | | 4 |
| 22 | 22 | 1 | M2020-3815-1-B | - | 1.0000 | 022F2201.D | | 4 |
| 23 | 23 | 1 | M2020-3816-1-A | - | 1.0000 | 023F2301.D | | 2 |
| 24 | 24 | 1 | M2020-3816-1-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 | M2020-3829-1-A | - | 1.0000 | 027F2701.D | | 4 |
| 28 | 28 | 1 | M2020-3829-1-B | - | 1.0000 | 028F2801.D | | 4 |
| 29 | 29 | 1 | M2020-3830-1-A | - | 1.0000 | 029F2901.D | | 4 |
| 30 | 30 | 1 | M2020-3830-1-B | - | 1.0000 | 030F3001.D | | 4 |
| 31 | 31 | 1 | P2020-2784-1-A | - | 1.0000 | 031F3101.D | | 4 |
| 32 | 32 | 1 | P2020-2784-1-B | - | 1.0000 | 032F3201.D | | 4 |
| 33 | 33 | 1 | P2020-2786-1-A | - | 1.0000 | 033F3301.D | | 4 |
| 34 | 34 | 1 | P2020-2786-1-B | - | 1.0000 | 034F3401.D | | 4 |
| 35 | 35 | 1 | P2020-2797-1-A | - | 1.0000 | 035F3501.D | | 4 |
| 36 | 36 | 1 | P2020-2797-1-B | - | 1.0000 | 036F3601.D | | 4 |
| 37 | 37 | 1 | P2020-2804-1-A | - | 1.0000 | 037F3701.D | | 4 |
| 38 | 38 | 1 | P2020-2804-1-B | - | 1.0000 | 038F3801.D | | 4 |
| 39 | 39 | 1 | P2020-2805-1-A | - | 1.0000 | 039F3901.D | | 4 |
| 40 | 40 | 1 | P2020-2805-1-B | - | 1.0000 | 040F4001.D | | 4 |
| 41 | 41 | 1 | P2020-2818-1-A | - | 1.0000 | 041F4101.D | | 4 |
| 42 | 42 | 1 | P2020-2818-1-B | - | 1.0000 | 042F4201.D | | 4 |
| 43 | 43 | 1 | P2020-2819-1-A | - | 1.0000 | 043F4301.D | | 2 |

Sequence File C:\Chem32\...0_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\09-25-20_SAMPLES.S

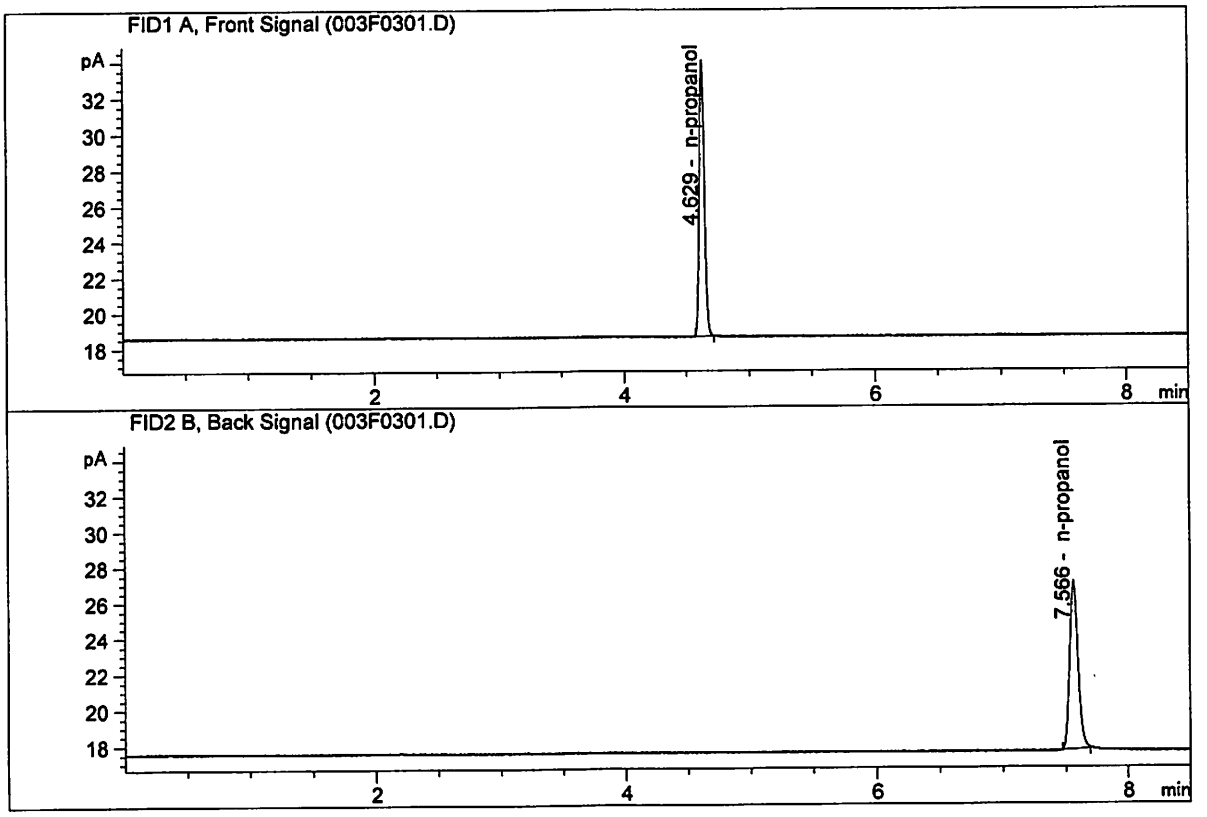
| Run # | Location # | Inj | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 44 | 44 | 1 | P2020-2819-1-B | - | 1.0000 | 044F4401.D | 2 |
| 45 | 45 | 1 | P2020-2820-1-A | - | 1.0000 | 045F4501.D | 2 |
| 46 | 46 | 1 | P2020-2820-1-B | - | 1.0000 | 046F4601.D | 2 |
| 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 | P2020-2822-1-A | - | 1.0000 | 049F4901.D | 2 |
| 50 | 50 | 1 | P2020-2822-1-B | - | 1.0000 | 050F5001.D | 2 |
| 51 | 51 | 1 | P2020-2823-1-A | - | 1.0000 | 051F5101.D | 4 |
| 52 | 52 | 1 | P2020-2823-1-B | - | 1.0000 | 052F5201.D | 4 |
| 53 | 53 | 1 | P2020-2832-~~1-A~~ -2-B | - | 1.0000 | 053F5301.D | 2 |
| 54 | 54 | 1 | P2020-2832-~~1-B~~ -2-B | - | 1.0000 | 054F5401.D | 2 |
| 55 | 55 | 1 | P2020-2833-1-A | - | 1.0000 | 055F5501.D | 4 |
| 56 | 56 | 1 | P2020-2833-1-B | - | 1.0000 | 056F5601.D | 4 |
| 57 | 57 | 1 | P2020-2838-1-A | - | 1.0000 | 057F5701.D | 4 |
| 58 | 58 | 1 | P2020-2838-1-B | - | 1.0000 | 058F5801.D | 5 |
| 59 | 59 | 1 | P2020-2842-1-A | - | 1.0000 | 059F5901.D | 4 |
| 60 | 60 | 1 | P2020-2842-1-B | - | 1.0000 | 060F6001.D | 4 |
| 61 | 61 | 1 | P2020-2852-1-A | - | 1.0000 | 061F6101.D | 2 |
| 62 | 62 | 1 | P2020-2852-1-B | - | 1.0000 | 062F6201.D | 2 |
| 63 | 63 | 1 | QC2-2-A | - | 1.0000 | 063F6301.D | 4 |
| 64 | 64 | 1 | QC2-2-B | - | 1.0000 | 064F6401.D | 4 |
| 65 | 65 | 1 | INTERNAL STD BLK | - | 1.0000 | 065F6501.D | 2 |

Method file name: C:\Chem32\1\Data\09-25-20_SAMPLES\09-25-20_SAMPLES 2020-09-25 15-25-11\SHUTDOWN.M

| Run # | Location # | Inj | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 66 | 66 | 1 | EMPTY | - | 1.0000 | 066F6601.D | 0 |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Sep 28, 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: | 43.63074 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.94442 | 1.0000 | g/100cc |

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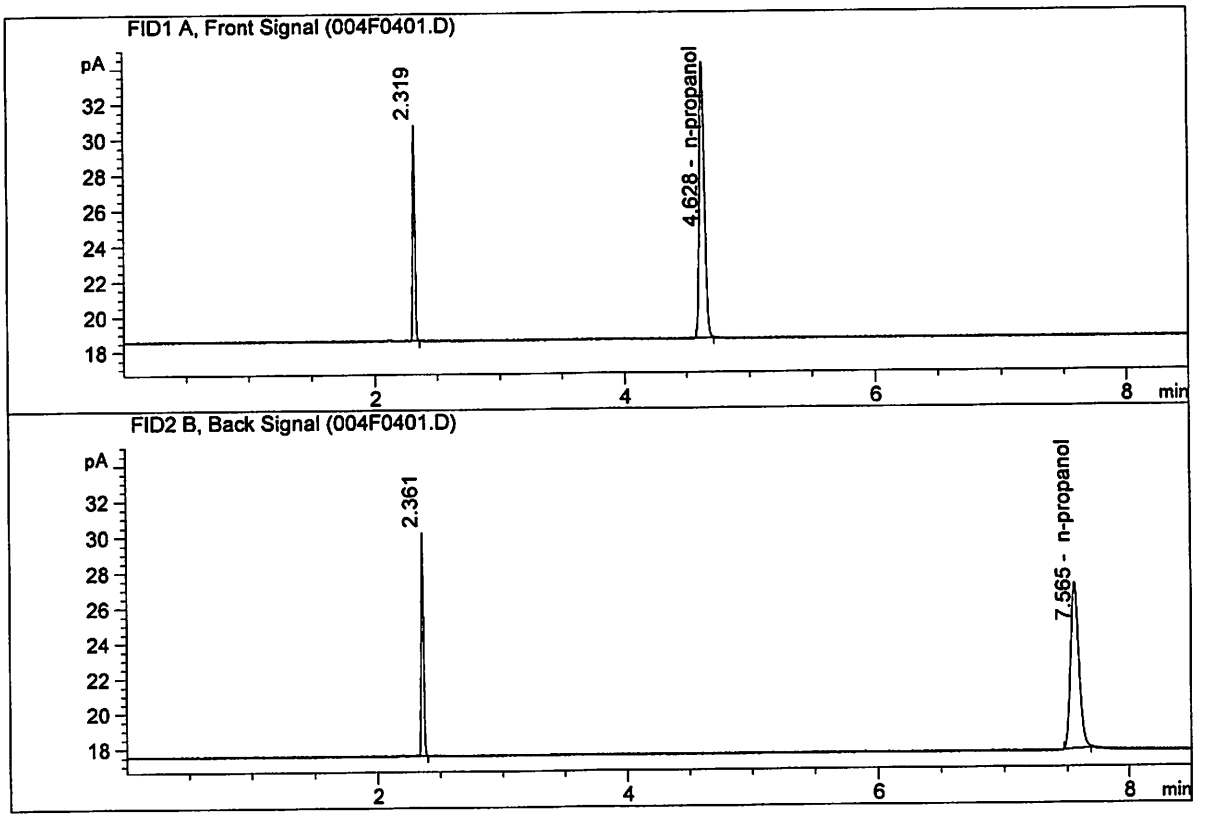
# ISP Forensic Services Blood Alcohol Report

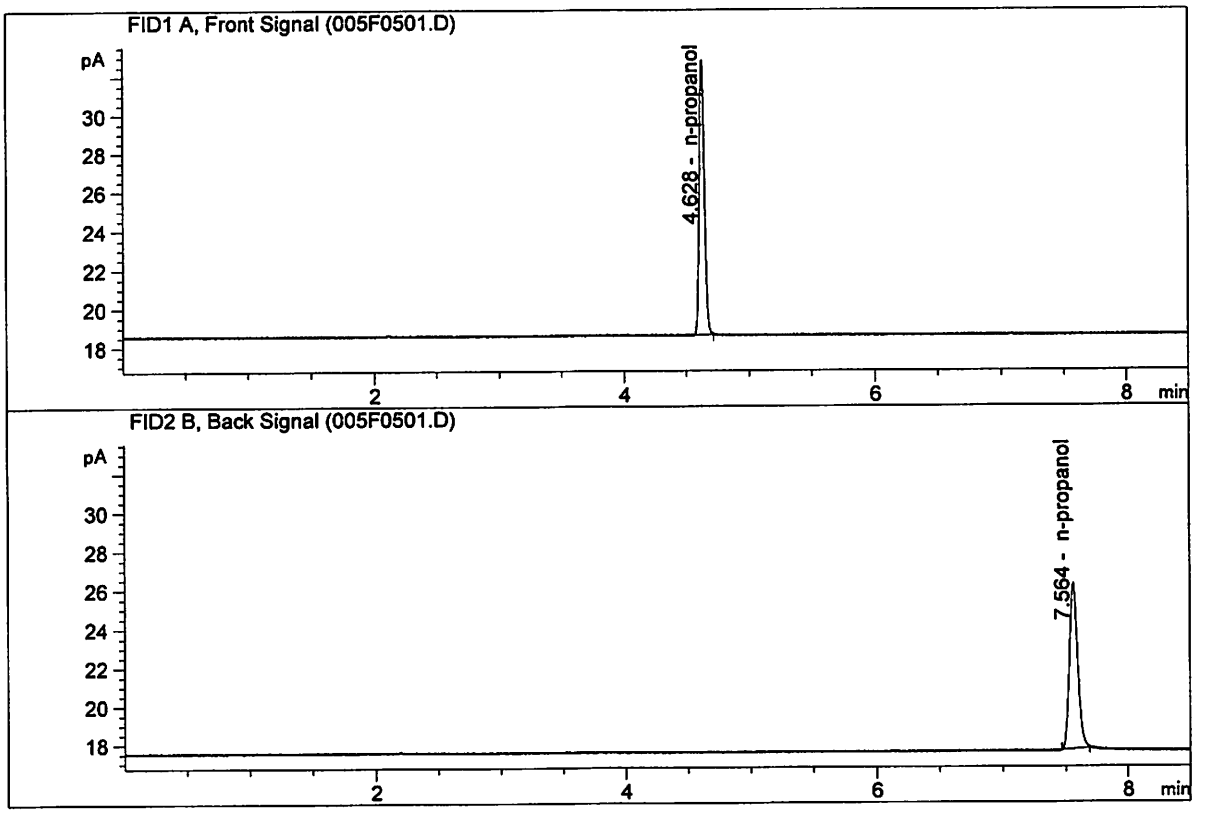
Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : Sep 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 44.12514 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 45.37457 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

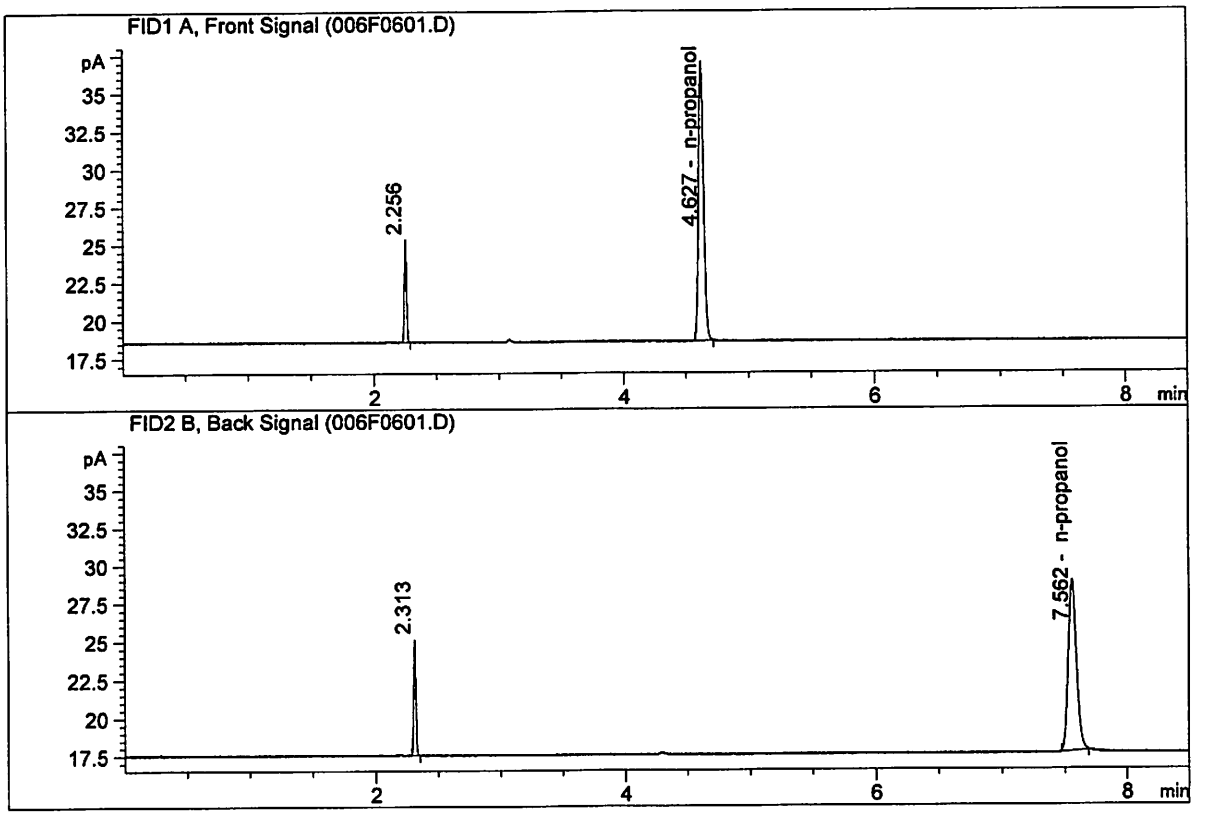
Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Sep 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 40.22943 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 41.17454 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

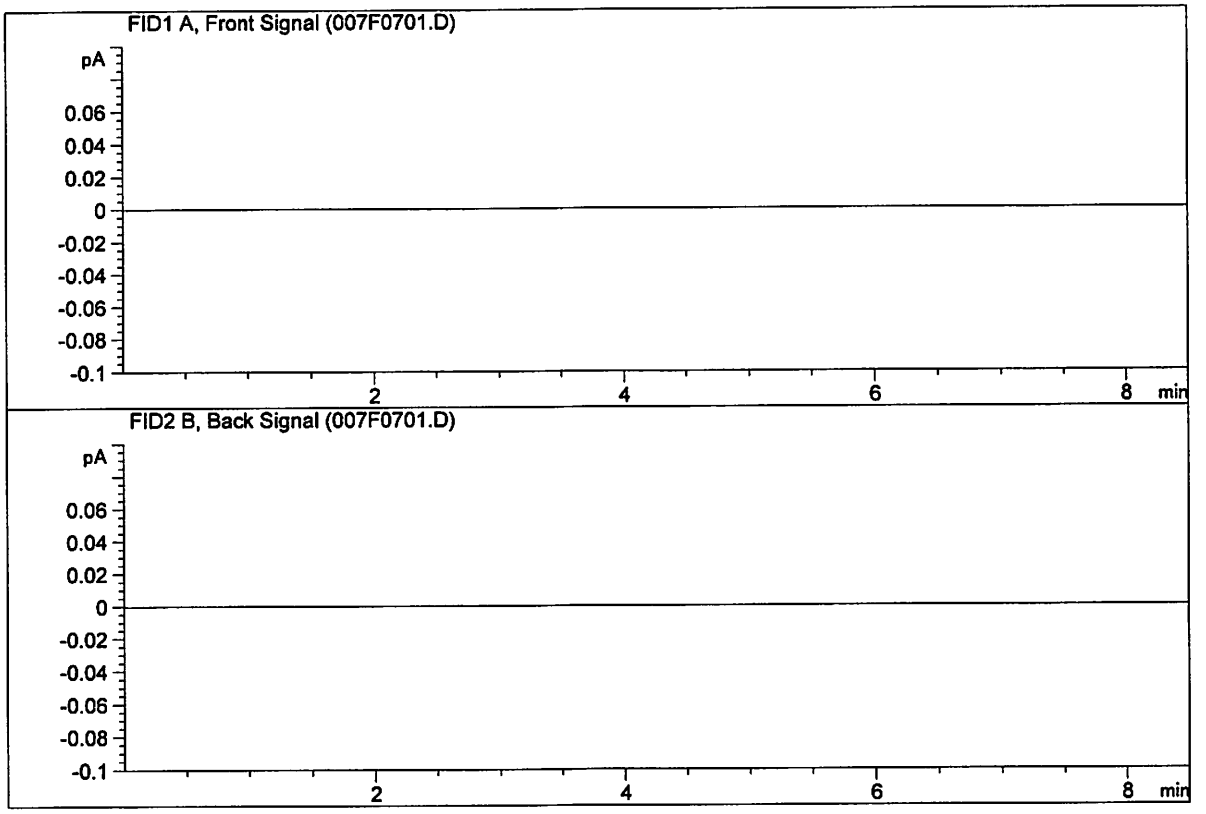
Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Sep 28, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 51.86726 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 53.37236 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
Laboratory : Meridian
Injection Date : Sep 28, 2020
Method : SHUTDOWN.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: | 0.00000 | 0.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 0.00000 | 0.0000 | g/100cc |

Sequence File C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\09-28-20_INH.S

## Sample Summary

Sequence table: C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\09-28-20_INH.S
Data directory path: C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\
Logbook: C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\09-28-20_INH.LOG
Sequence start: 9/28/2020 9:14:28 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\ALCOHOL.M

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | P2020-2820-1-A | - | 1.0000 | 001F0101.D | | 3 |
| 2 | 2 | 1 | P2020-2820-1-B | - | 1.0000 | 002F0201.D | | 3 |
| 3 | 3 | 1 | INTERNAL STD BLK | - | 1.0000 | 003F0301.D | | 2 |
| 4 | 4 | 1 | DFE 111914OM | - | 1.0000 | 004F0401.D | | 2 |
| 5 | 5 | 1 | INTERNAL STD BLK | - | 1.0000 | 005F0501.D | | 2 |
| 6 | 6 | 1 | TFE 111914 | - | 1.0000 | 006F0601.D | | 2 |

Method file name: C:\Chem32\1\Data\09-28-20_INH\09-28-20_INH 2020-09-28 08-59-48\SHUTDOWN.M

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 7 | 7 | 1 | EMPTY | - | 1.0000 | 007F0701.D | | 0 |

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

## Calibration Table

### General Calibration Setting

Calib. Data Modified : Friday, September 18, 2020 3:23:20 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

JC

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 | 4.59217 | 1.08881e-2 | No | No | 1 | ethanol |
| | | 2 | 1.00000e-1 | 9.00449 | 1.11056e-2 | | | | |
| | | 3 | 2.00000e-1 | 18.11074 | 1.10432e-2 | | | | |
| | | 4 | 3.00000e-1 | 27.45135 | 1.09284e-2 | | | | |
| | | 5 | 5.00000e-1 | 45.73181 | 1.09333e-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 | 4.68252 | 1.06780e-2 | No | No | 2 | ethanol |
| | | 2 | 1.00000e-1 | 9.24722 | 1.08141e-2 | | | | |
| | | 3 | 2.00000e-1 | 18.83116 | 1.06207e-2 | | | | |
| | | 4 | 3.00000e-1 | 28.72548 | 1.04437e-2 | | | | |
| | | 5 | 5.00000e-1 | 48.32216 | 1.03472e-2 | | | | |
| 4.308 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | acetone |
| 4.620 | 1 | 1 | 1.00000 | 47.73816 | 2.09476e-2 | No | Yes | 1 | n-propanol |
| | | 2 | 1.00000 | 46.90596 | 2.13193e-2 | | | | |
| | | 3 | 1.00000 | 47.03720 | 2.12598e-2 | | | | |
| | | 4 | 1.00000 | 47.72957 | 2.09514e-2 | | | | |
| | | 5 | 1.00000 | 47.28825 | 2.11469e-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 | 49.51909 | 2.01942e-2 | No | Yes | 2 | n-propanol |
| | | 2 | 1.00000 | 48.45788 | 2.06365e-2 | | | | |
| | | 3 | 1.00000 | 48.32198 | 2.06945e-2 | | | | |
| | | 4 | 1.00000 | 49.01604 | 2.04015e-2 | | | | |
| | | 5 | 1.00000 | 48.37467 | 2.06720e-2 | | | | |

Peak Sum Table

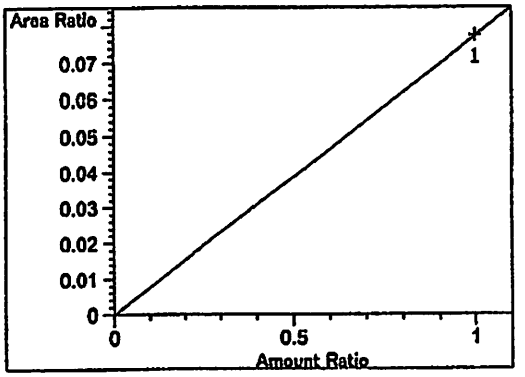
***No Entries in table***

41 Warnings or Errors (10 first messages follow) :

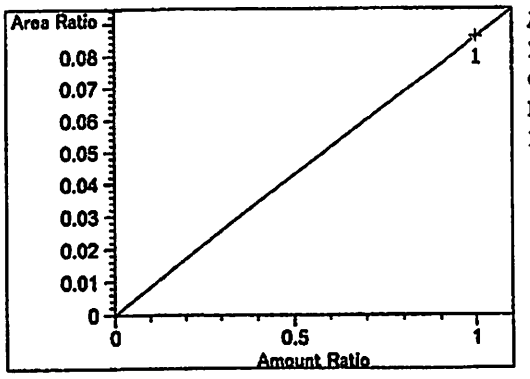
Warning : Curve requires more calibration points., (methanol)
Warning : Curve requires more calibration points. at 2.586 min, signal 1
Warning : Curve requires more calibration points. at 2.809 min, signal 1
Warning : Curve requires more calibration points. at 2.977 min, signal 2
Warning : Curve requires more calibration points. at 3.388 min, signal 2
Warning : Curve requires more calibration points. at 3.628 min, signal 1
Warning : Curve requires more calibration points. at 4.308 min, signal 1
Warning : Curve requires more calibration points. at 4.62 min, signal 1
Warning : Curve requires more calibration points. at 4.661 min, signal 2
Warning : Curve requires more calibration points. at 4.969 min, signal 2

JC

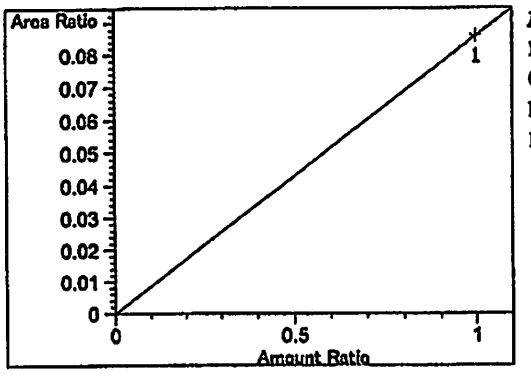
## Calibration Curves



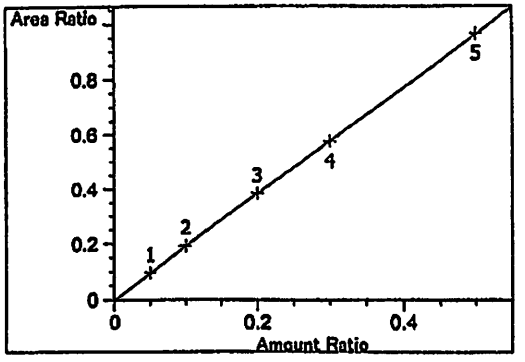

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.74369e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio




Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.60476e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

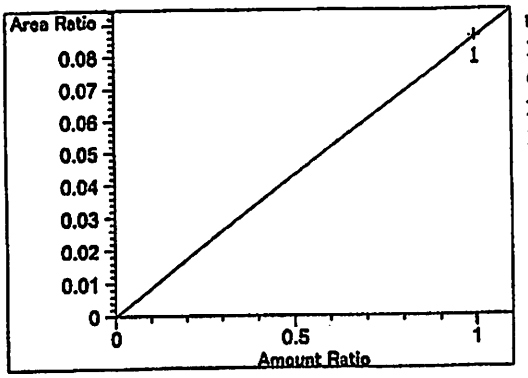



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.60476e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

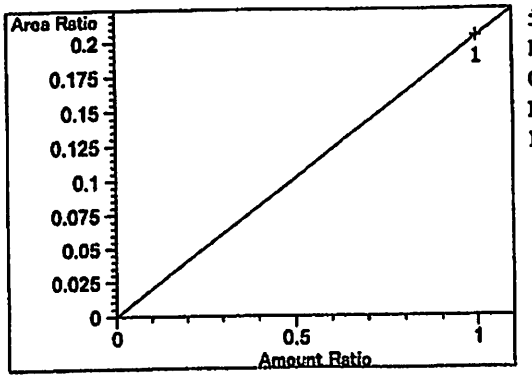



ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: [illegible]
Residual Std. Dev.: 0.00231
Formula: y = mx + b
m: 1.93399
b: -1.73403e-3
x: Amount Ratio
y: Area Ratio

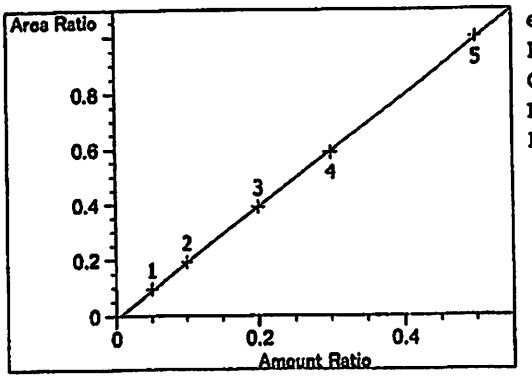
JG



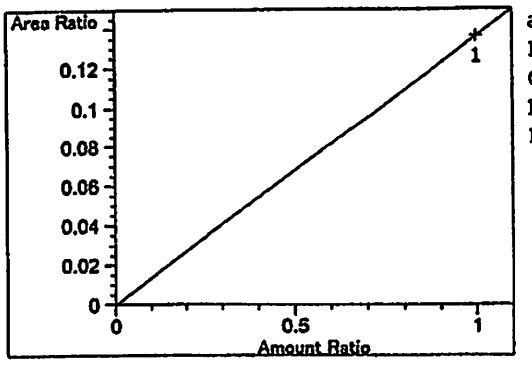

methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.60401e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio




isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.03832e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

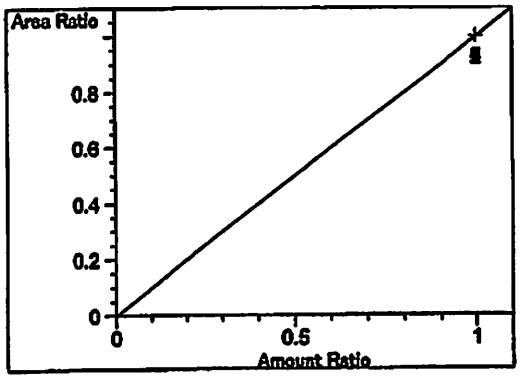



ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99992
Residual Std. Dev.: 0.00532
Formula: y = mx + b
m: 2.00945
b: -1.01647e-2
x: Amount Ratio
y: Area Ratio

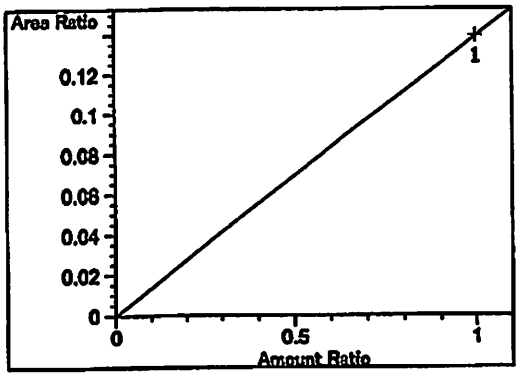



acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.36147e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

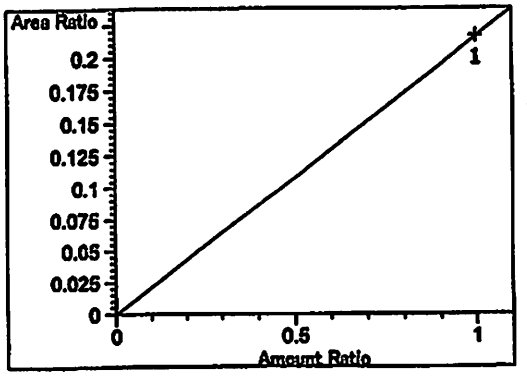
Method C:\CHEM32\1\METHODS\ALCOHOL.M



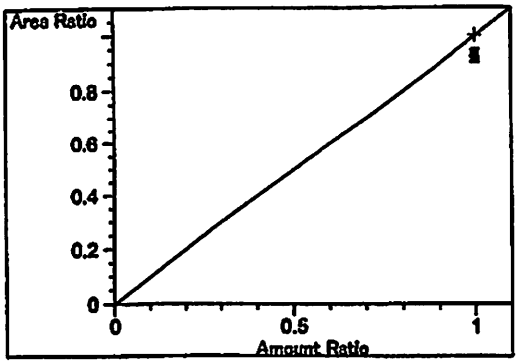

n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio




acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.39199e-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: 2.16208e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

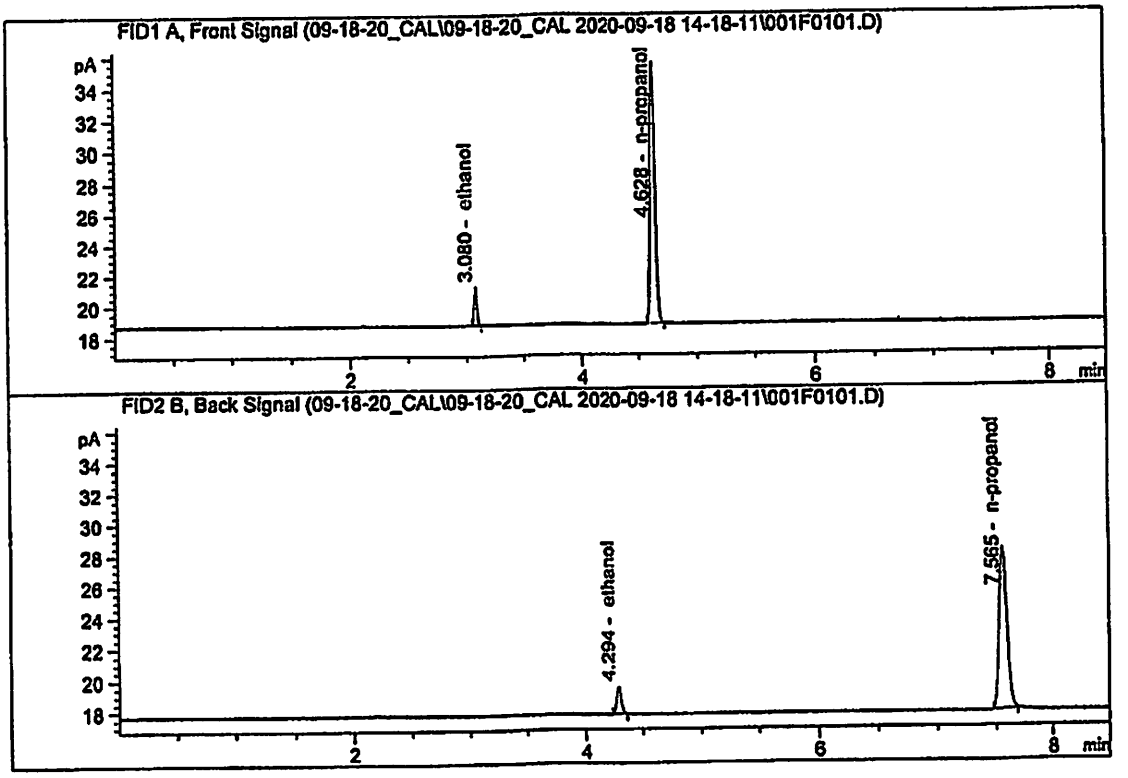



n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN05211804
Laboratory : Meridian
Injection Date : Sep 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

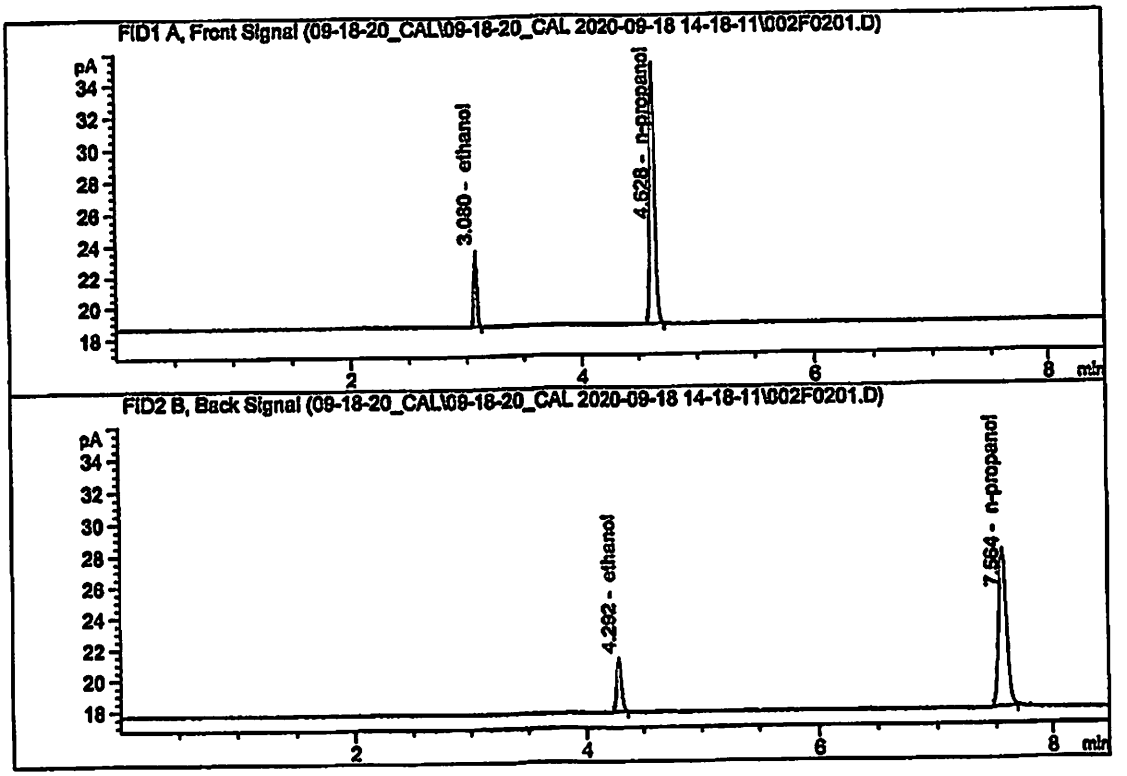



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 4.59217 | 0.0506 | g/100cc |
| 2. | Ethanol | Column 2: | 4.68252 | 0.0521 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.73816 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.51909 | 1.0000 | g/100cc |

JC

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02271802
Laboratory : Meridian
Injection Date : Sep 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

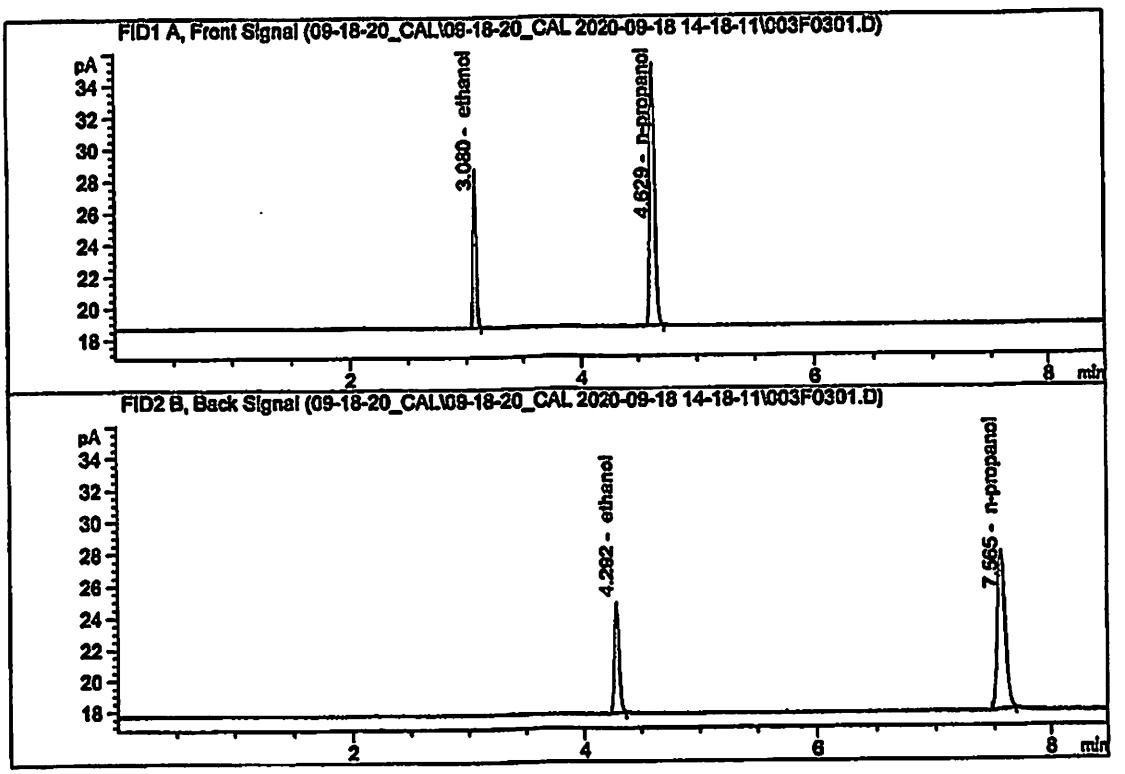



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 9.00449 | 0.1002 | g/100cc |
| 2. | Ethanol | Column 2: | 9.24722 | 0.1000 | g/100cc |
| 3. | n-Propanol | Column 1: | 46.90596 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.45788 | 1.0000 | g/100cc |

JC

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN06231704
Laboratory : Meridian
Injection Date : Sep 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

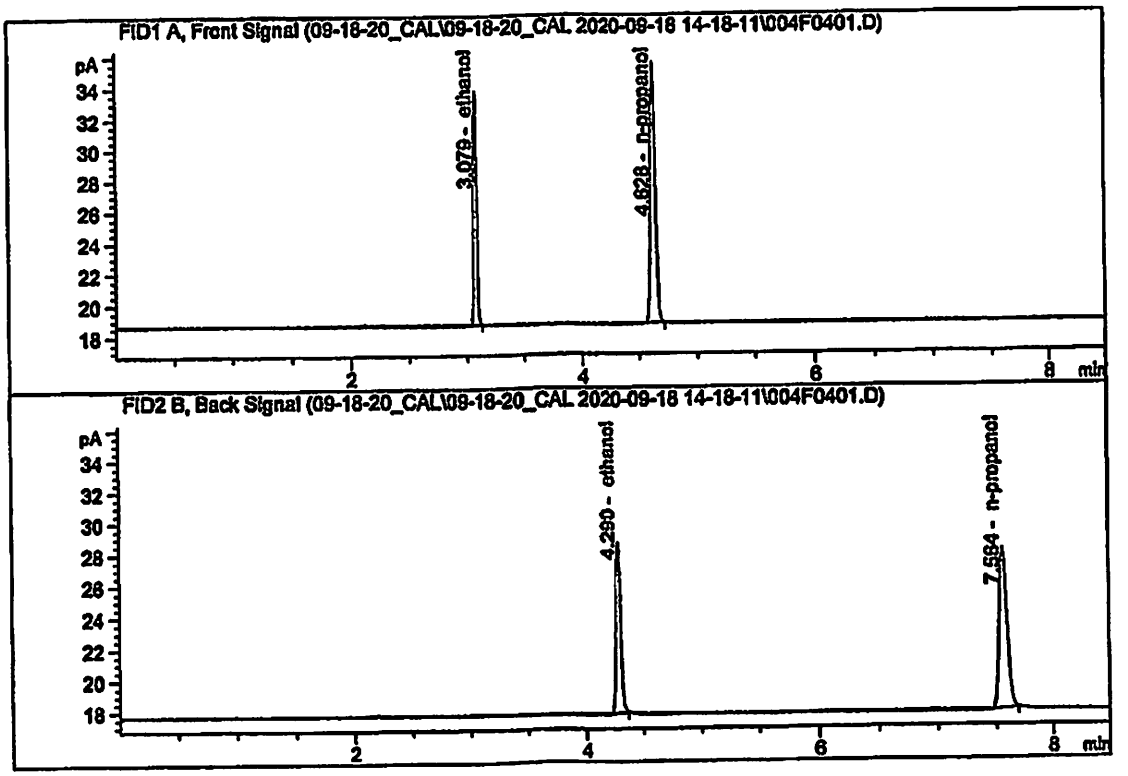



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.11074 | 0.2000 | g/100cc |
| 2. | Ethanol | Column 2: | 18.83116 | 0.1990 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.03720 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.32198 | 1.0000 | g/100cc |

JC

# ISP Forensic Services Blood Alcohol Report

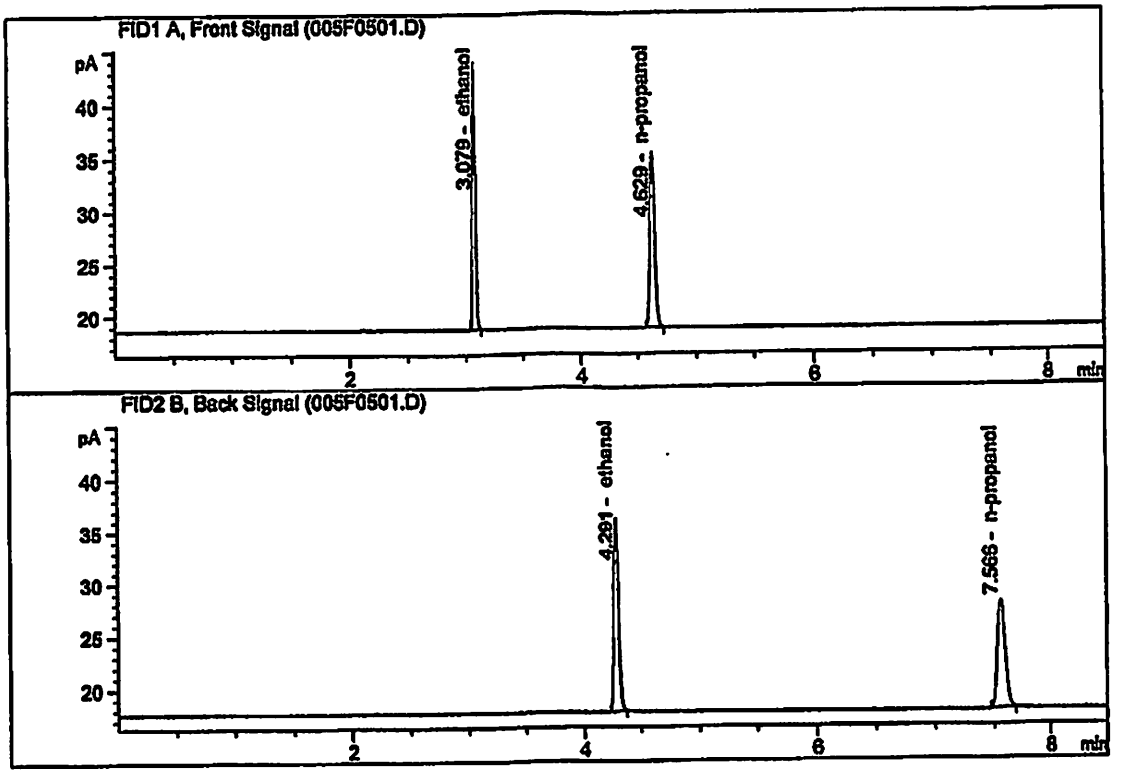
Sample Name : 0.300 FN07311804
Laboratory : Meridian
Injection Date : Sep 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 27.45135 | 0.2983 | g/100cc |
| 2. | Ethanol | Column 2: | 28.72548 | 0.2967 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.72957 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.01604 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08241801
Laboratory : Meridian
Injection Date : Sep 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

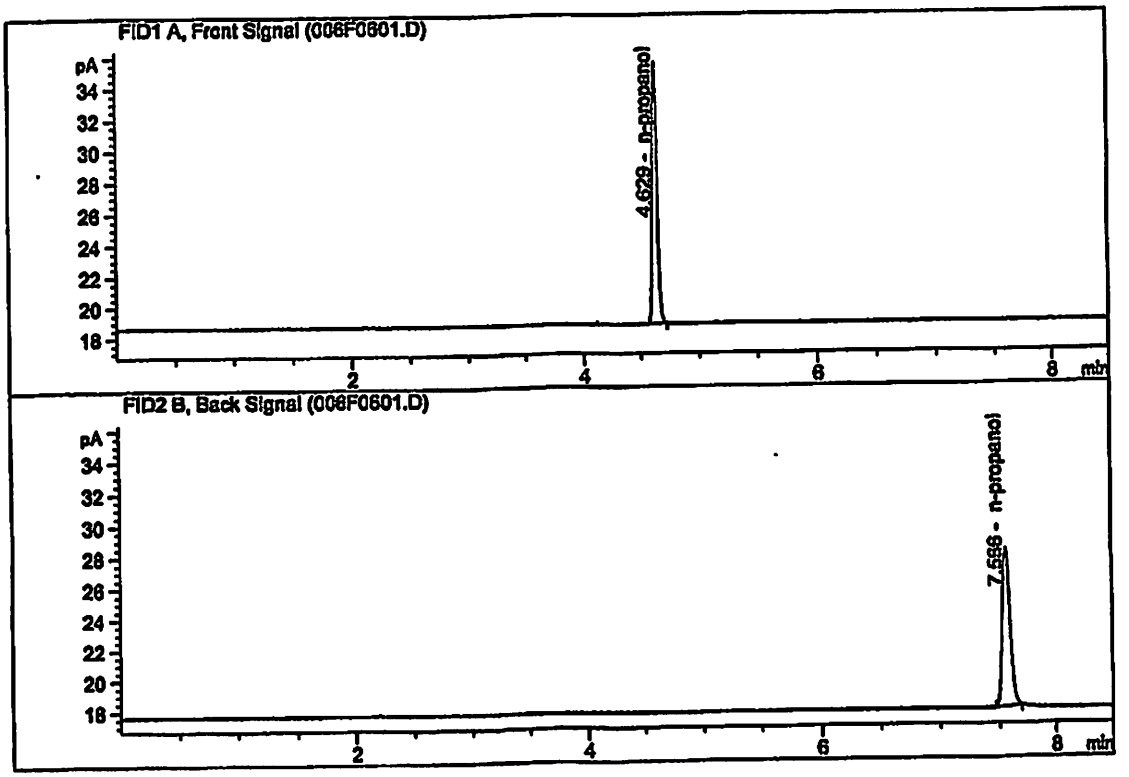



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 45.73181 | 0.5009 | g/100cc |
| 2. | Ethanol | Column 2: | 48.32216 | 0.5022 | g/100cc |
| 3. | n-Propanol | Column 1: | 47.28825 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.37467 | 1.0000 | g/100cc |

JC

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Sep 18, 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: | 47.83927 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 49.12637 | 1.0000 | g/100cc |

Sequence File C:\Chem32\1\Data\09-18-20_CAL\09-18-20_CAL 2020-09-18 14-18-11\09-18-20_CAL.S

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

Sequence table: C:\Chem32\1\Data\09-18-20_CAL\09-18-20_CAL 2020-09-18 14-18-11\09-18-20_CAL.S
Data directory path: C:\Chem32\1\Data\09-18-20_CAL\09-18-20_CAL 2020-09-18 14-18-11\
Logbook: C:\Chem32\1\Data\09-18-20_CAL\09-18-20_CAL 2020-09-18 14-18-11\09-18-20_CAL.LOG
Sequence start: 9/18/2020 2:32:48 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\09-18-20_CAL\09-18-20_CAL 2020-09-18 14-18-11\ALCOHOL.M

| 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 FN08241801 | - | 1.0000 | 005F0501.D | * | 4 |
| 6 | 6 | 1 | INTERNAL STANDAR | - | 1.0000 | 006F0601.D | | 2 |