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

***Analytical Method(s): 1.0***

***Device: Hamilton MICROLAB 600 Liquid Processor/Dilutor Serial Number: ML600HC11378***

**Volatiles Quality Assurance Controls**

**Run Date: 10/24/18-10/25/18**

Calibration Date: 10/16/18

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jan-22 | 1801036 | 0.0812 | 0.0731-0.0893 | 0.0785 g/100cc |
| | | | | | 0.0830 g/100cc |
| | | | | | g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.2036 g/100cc |
| | | | | | 0.2106 g/100cc |
| | | | | | g/100cc |

| | | | | | |
|---|---|---|---|---|---|
| **Multi-Component mixture:** | **Exp date: Sept 2020** | | **Lot #** | FN06041502 | OK |
| **Curve Fit:** | | **Column 1** | 1.00000 | **Column2** | 0.99998 |

**Ethanol Calibration Reference Material**

| Calibrator level | Expiration | Cerilliant Lot # | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|---|---|
| 0.050 | Jul-19 | FN06231406 | 0.050 | 0.045 - 0.055 | 0.0502 | 0.0514 | 0.0012 | 0.0508 |
| 0.080 | | | 0.080 | 0.072 - 0.088 | | | 0 | #DIV/0! |
| 0.100 | Aug-21 | FN08101601 | 0.100 | 0.090 - 0.110 | 0.0996 | 0.0994 | 0.0002 | 0.0995 |
| 0.200 | Dec-19 | FN12011401 | 0.200 | 0.180 - 0.220 | 0.2001 | 0.1992 | 0.0009 | 0.1996 |
| 0.300 | Feb-21 | FN02121601 | 0.300 | 0.270 - 0.330 | 0.3002 | 0.2991 | 0.0011 | 0.2996 |
| 0.400 | | | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 0.500 | Sep-21 | FN08031602 | 0.500 | 0.450 - 0.550 | 0.4999 | 0.5008 | 0.0009 | 0.5003 |

**Aqueous Controls**

| Control level | Expiration | Cerilliant Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| 0.080 | May-22 | FN04171701 | 0.08000 | 0.076 - 0.084 | 0.080 g/100cc |

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

Issued: 4/22/2015

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

**Worklist: 2754**

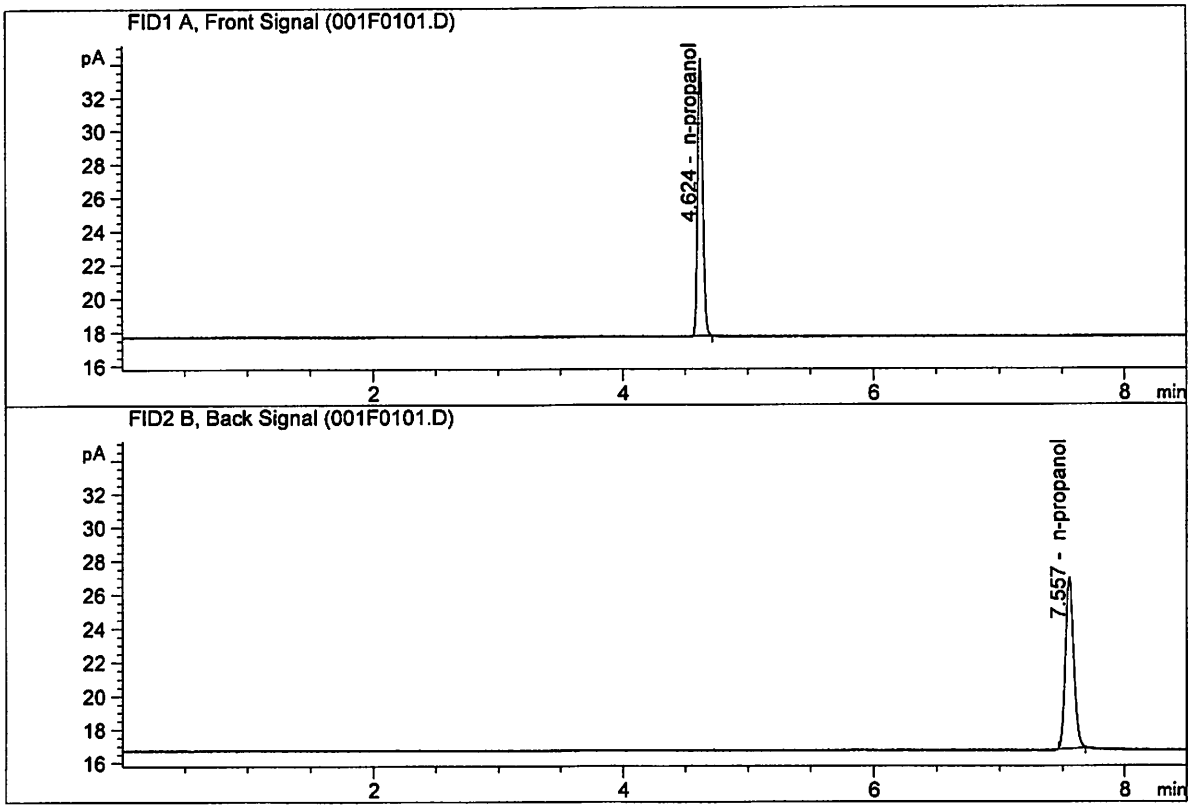
| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| ~~M2018-3702~~ | ~~2~~ | ~~129329~~ | ~~Alcohol Analysis~~ JC |
| Ran on next batch | | | |
| M2018-4653 | 1 | 129933 | Alcohol Analysis |
| M2018-5123 | 1 | 128913 | Alcohol Analysis |
| M2018-5157 | 1 | 129203 | Alcohol Analysis |
| M2018-5158 | 1 | 129204 | Alcohol Analysis |
| M2018-5159 | 1 | 129211 | Alcohol Analysis |
| M2018-5160 | 1 | 129212 | Alcohol Analysis |
| M2018-5185 | 1 | 129336 | Alcohol Analysis |
| M2018-5187 | 1 | 129345 | Alcohol Analysis |
| M2018-5204 | 1 | 129389 | Alcohol Analysis |
| M2018-5215 | 1 | 129475 | Alcohol Analysis |
| M2018-5224 | 1 | 129545 | Alcohol Analysis |
| M2018-5228 | 1 | 129556 | Alcohol Analysis |
| M2018-5229 | 1 | 129557 | Alcohol Analysis |
| M2018-5233 | 2 | 129610 | Alcohol Analysis |
| M2018-5238 | 1 | 129683 | Alcohol Analysis |
| M2018-5240 | 1 | 129689 | Alcohol Analysis |
| M2018-5240 | 2 | 129690 | Alcohol Analysis |
| M2018-5240 | 3 | 129691 | Alcohol Analysis |
| M2018-5277 | 1 | 129735 | Alcohol Analysis |
| M2018-5278 | 1 | 129736 | Alcohol Analysis |
| M2018-5279 | 1 | 129737 | Alcohol Analysis |
| M2018-5280 | 1 | 129738 | Alcohol Analysis |

**Worklist: 2754**

| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| M2018-5281 | 1 | 129739 | Alcohol Analysis |
| M2018-5297 | 1 | 129810 | Alcohol Analysis |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

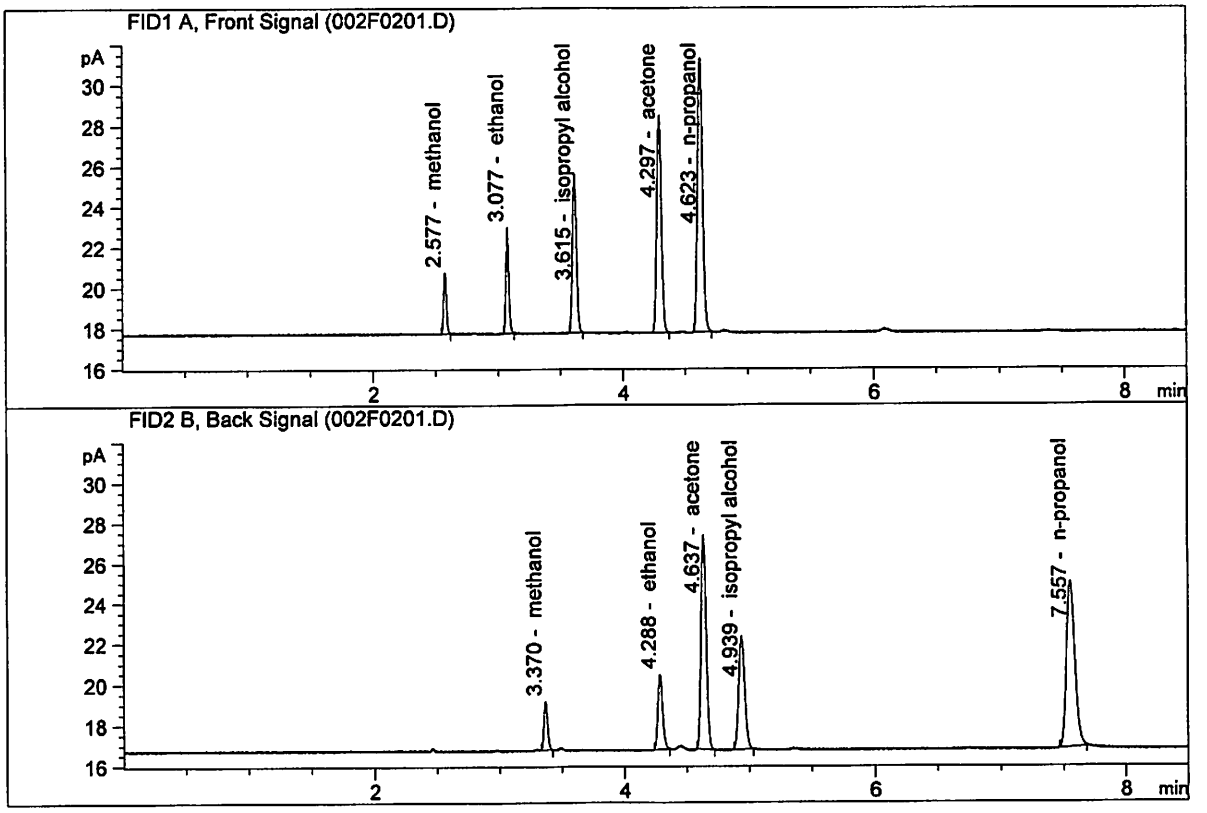



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 46.96467 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 48.81558 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 9.36537 | 0.1360 | g/100cc |
| 2. | Ethanol | Column 2: | 9.74020 | 0.1376 | g/100cc |
| 3. | n-Propanol | Column 1: | 38.08233 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 39.06513 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-1** **Analysis Date(s): 24 Oct 2018**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0779 | 0.0788 | 0.0009 | 0.0783 | 0.0785 | |
| (g/100cc) | 0.0781 | 0.0792 | 0.0011 | 0.0786 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.078** | **0.074** | **0.082** | **0.004** |

| | Reported Result | |
|---|---|---|
| | **0.078** | |

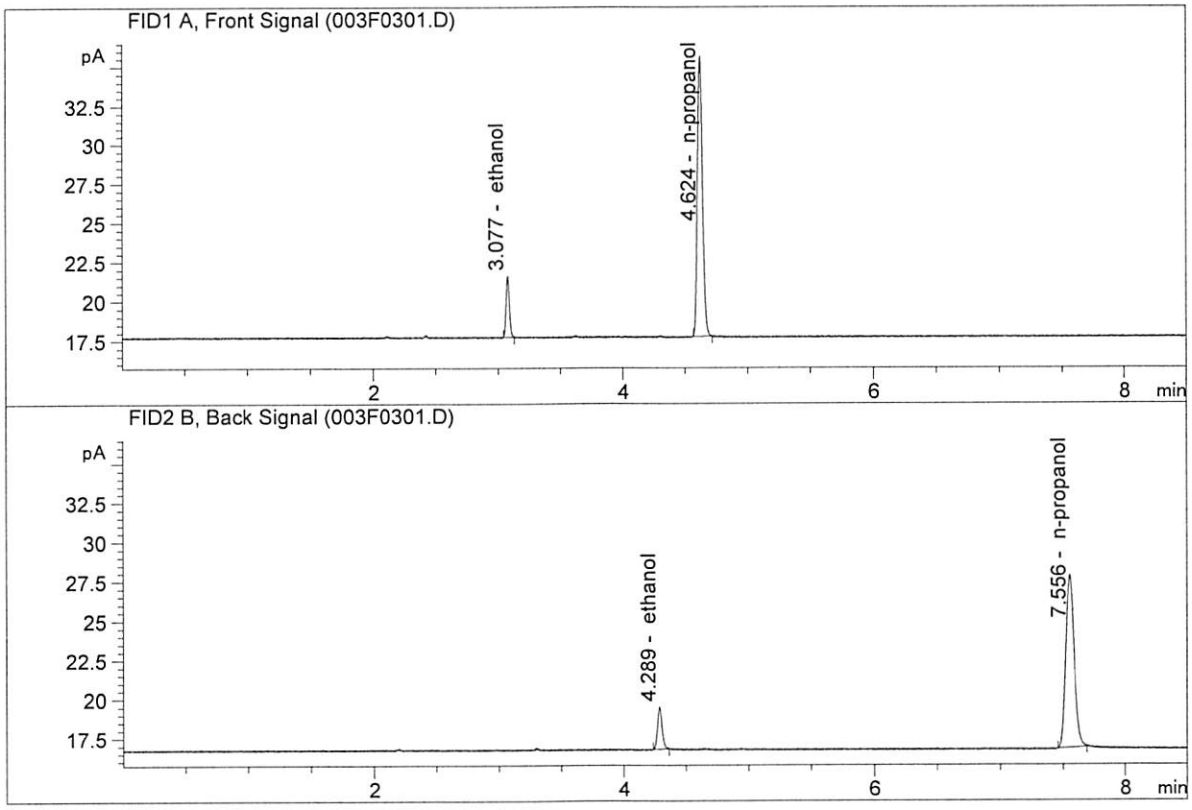
***Calibration and control data are stored centrally.***



JC

# ISP Forensic Services Blood Alcohol Report

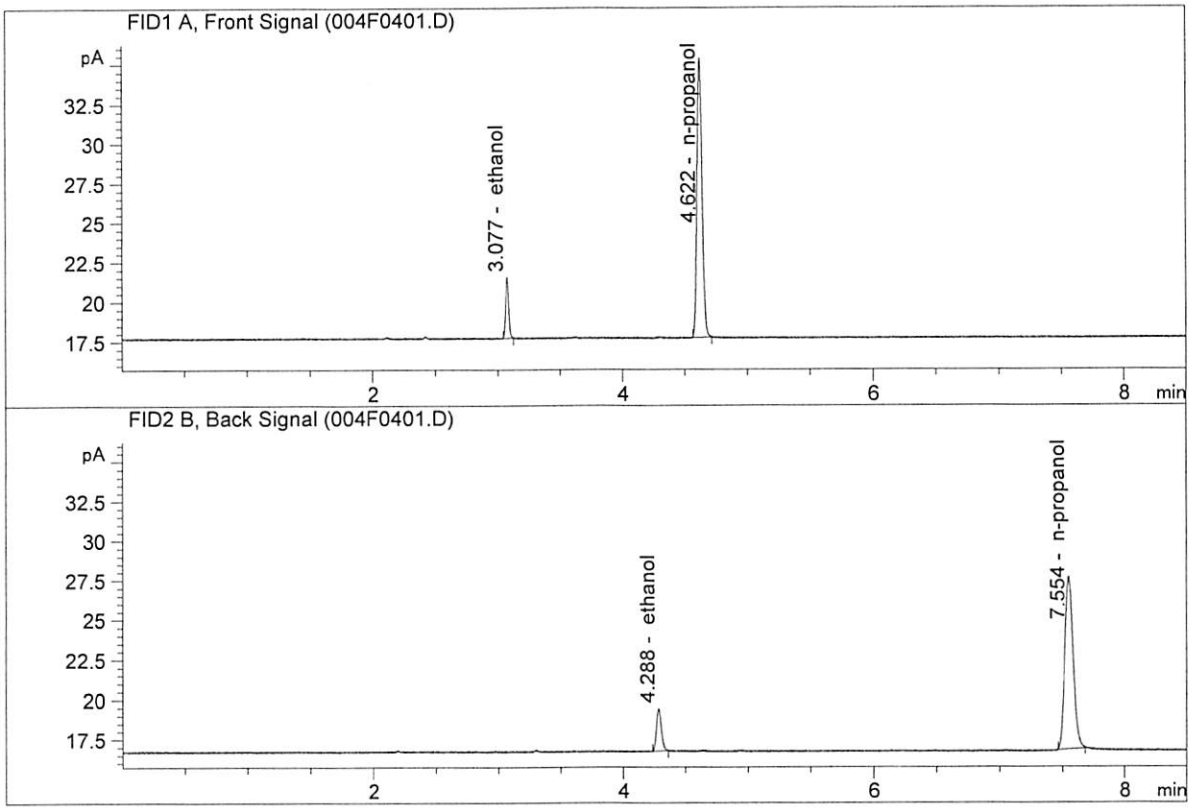
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.09777 | 0.0779 | g/100cc |
| 2. | Ethanol | Column 2: | 7.30101 | 0.0788 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.66554 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.63171 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.01225 | 0.0781 | g/100cc |
| 2. | Ethanol | Column 2: | 7.18818 | 0.0792 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.94758 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.55874 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN04171701** **Analysis Date(s): 24 Oct 2018**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0804 | 0.0810 | 0.0006 | 0.0807 | 0.0807 | |
| (g/100cc) | 0.0802 | 0.0812 | 0.0010 | 0.0807 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

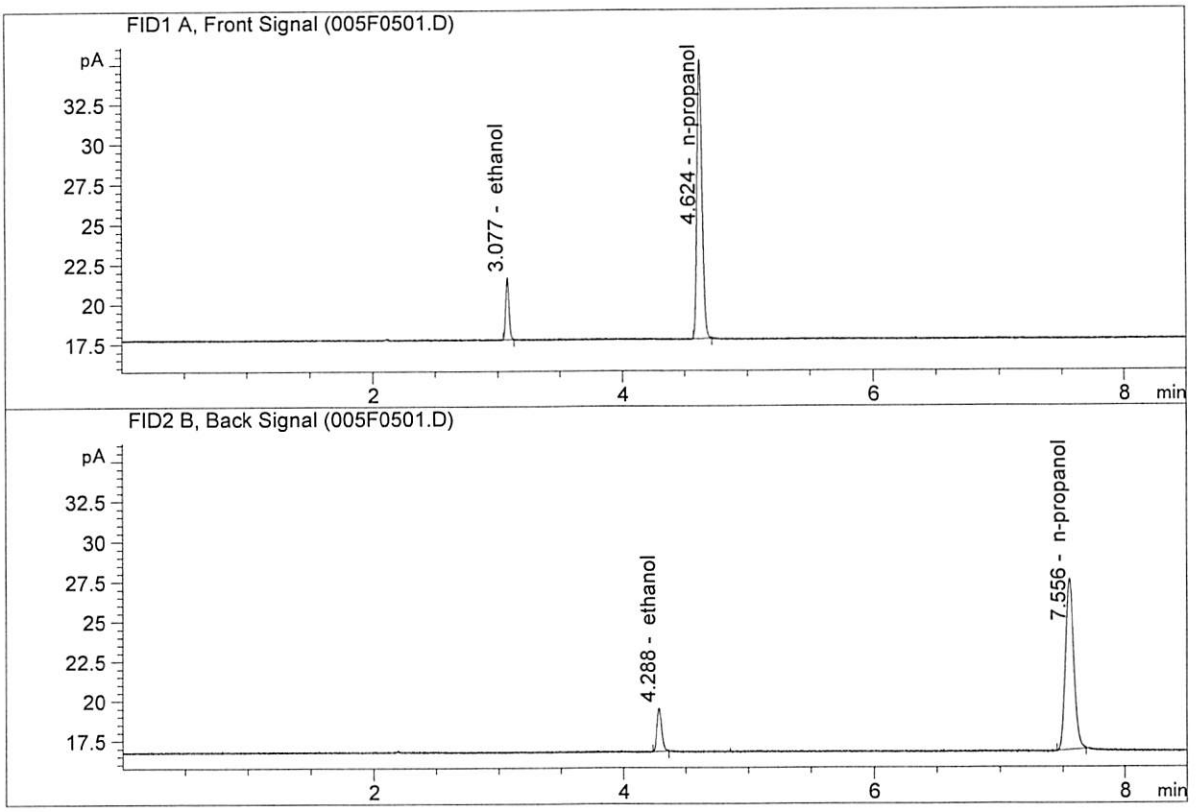
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.080** | **0.076** | **0.084** | **0.004** |

| | Reported Result | |
|---|---|---|
| | **0.080** | |

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

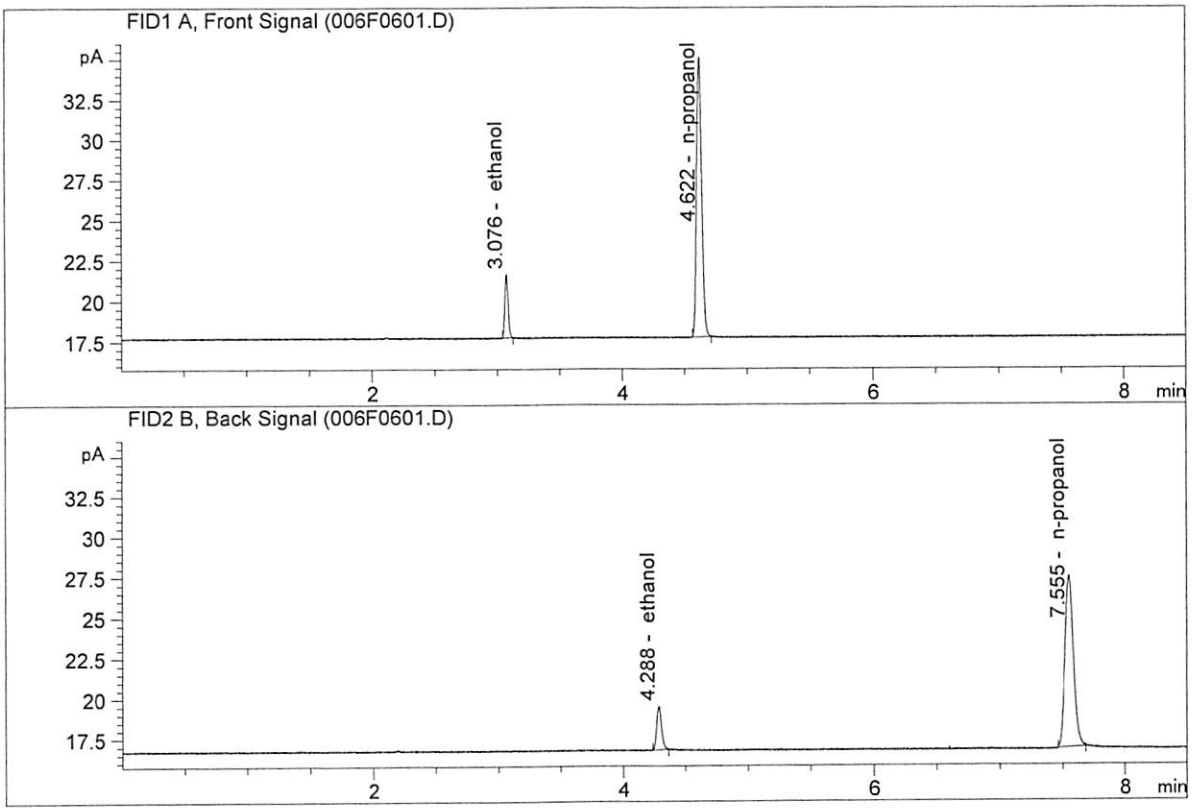



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.17669 | 0.0804 | g/100cc |
| 2. | Ethanol | Column 2: | 7.35969 | 0.0810 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.63395 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.50175 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.11686 | 0.0802 | g/100cc |
| 2. | Ethanol | Column 2: | 7.31022 | 0.0812 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.32555 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.05184 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-1** **Analysis Date(s): 24 Oct 2018**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.2027 | 0.2026 | 0.0001 | 0.2026 | 0.2036 | |
| (g/100cc) | 0.2047 | 0.2045 | 0.0002 | 0.2046 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.203** | **0.192** | **0.214** | **0.011** |

| | Reported Result | |
|---|---|---|
| | **0.203** | |

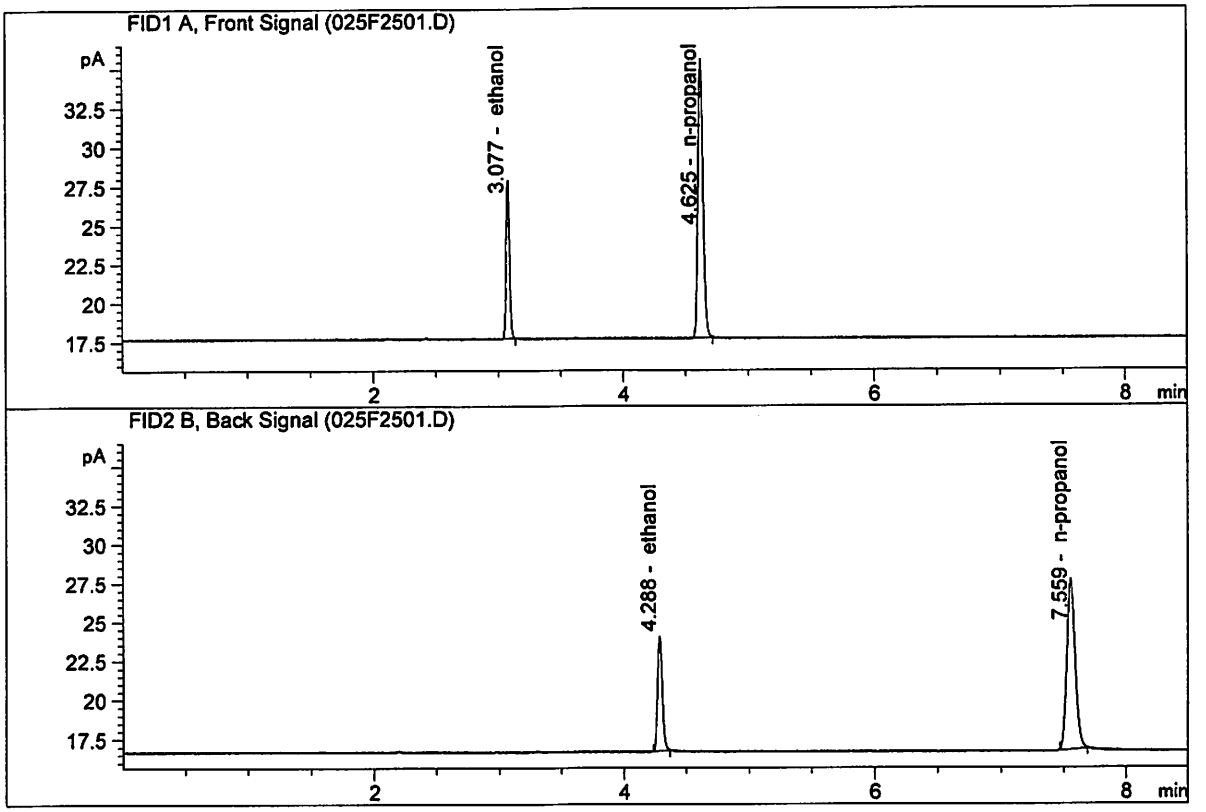
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

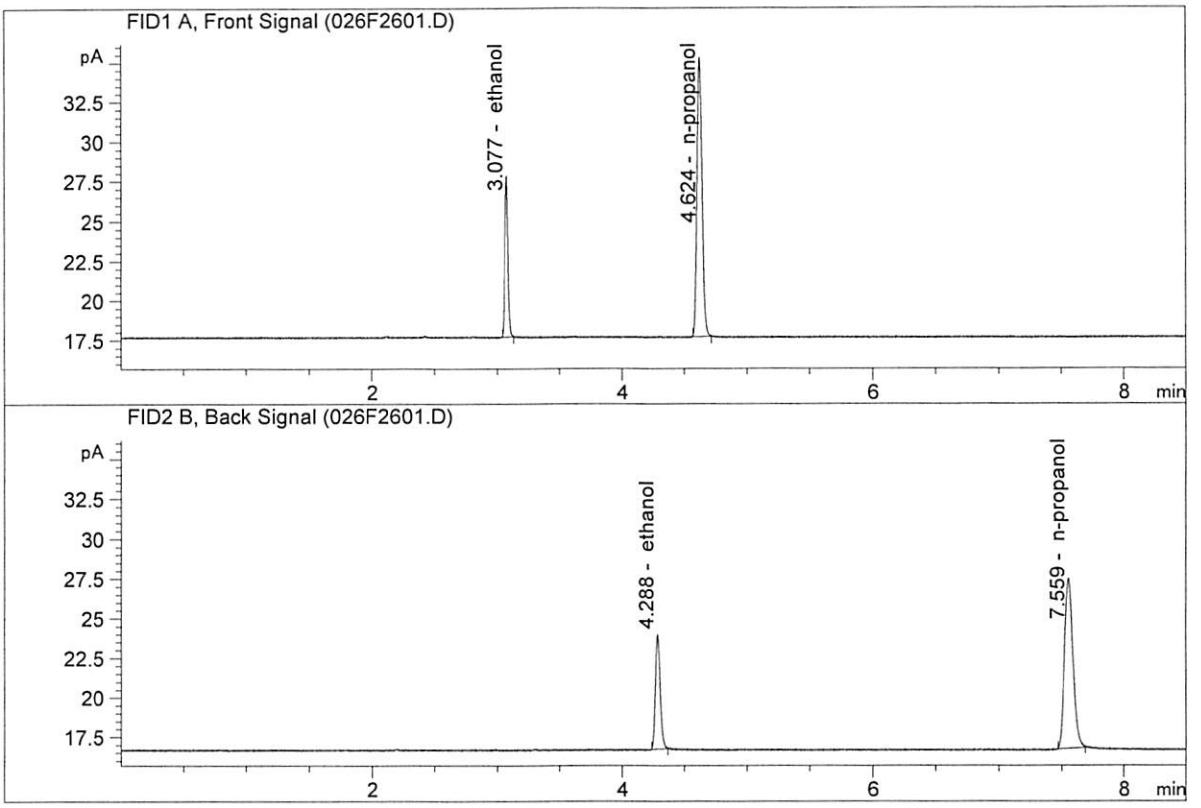



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.63572 | 0.2027 | g/100cc |
| 2. | Ethanol | Column 2: | 19.41701 | 0.2026 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.73273 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.23674 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.48605 | 0.2047 | g/100cc |
| 2. | Ethanol | Column 2: | 19.23348 | 0.2045 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.81895 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.24225 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-2** **Analysis Date(s): 24 Oct 2018**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0828 | 0.0839 | 0.0011 | 0.0833 | 0.0830 | |
| (g/100cc) | 0.0818 | 0.0836 | 0.0018 | 0.0827 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.083** | **0.078** | **0.088** | **0.005** |

| | Reported Result | |
|---|---|---|
| | **0.083** | |

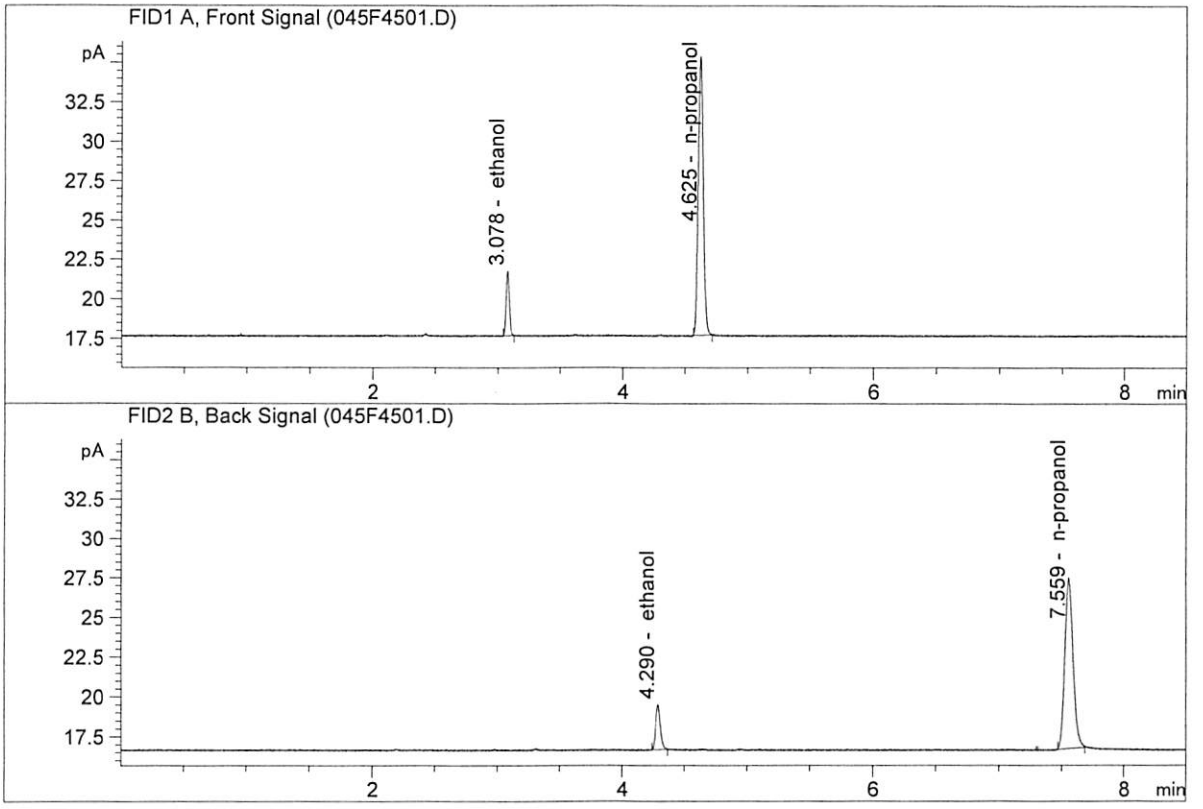
***Calibration and control data are stored centrally.***



JC

# ISP Forensic Services Blood Alcohol Report

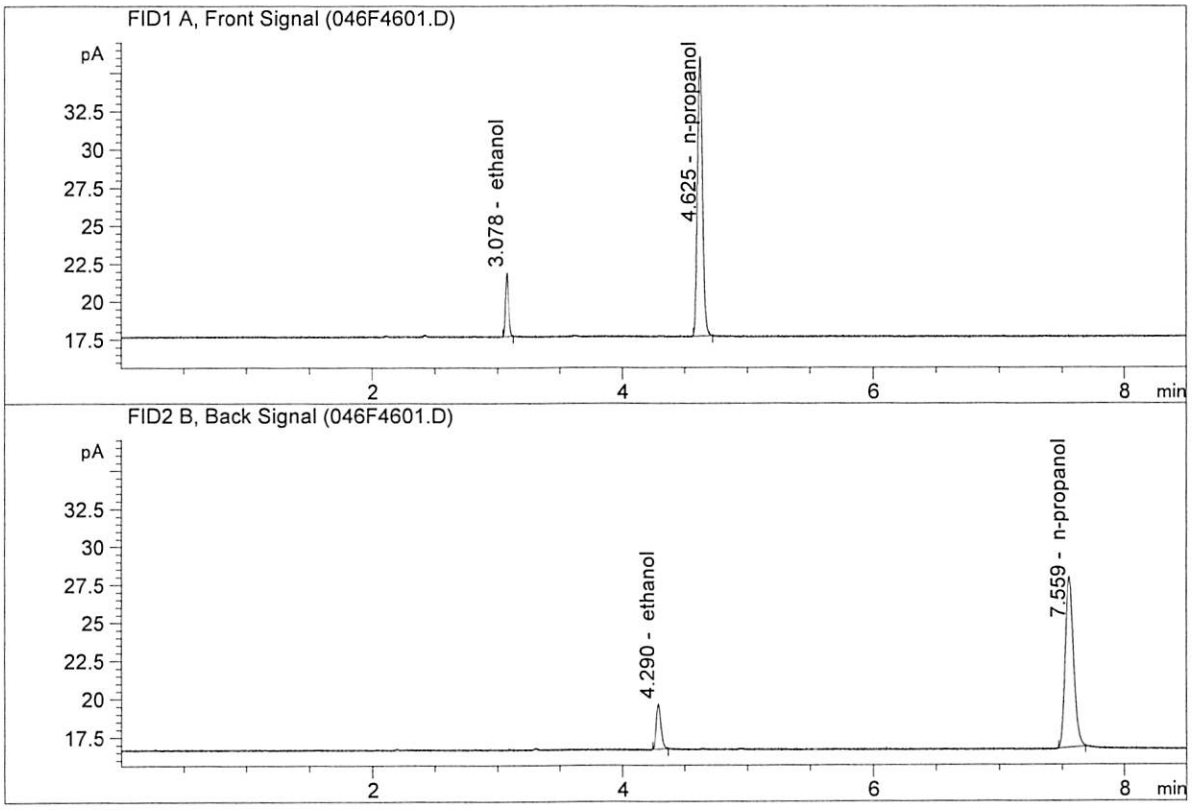
Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.45555 | 0.0828 | g/100cc |
| 2. | Ethanol | Column 2: | 7.62552 | 0.0839 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.03921 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.42447 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Oct 24, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.68509 | 0.0818 | g/100cc |
| 2. | Ethanol | Column 2: | 7.90131 | 0.0836 | g/100cc |
| 3. | n-Propanol | Column 1: | 52.18260 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 53.50944 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-2** **Analysis Date(s): 25 Oct 2018**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.2096 | 0.2091 | 0.0005 | 0.2093 | 0.2106 | |
| (g/100cc) | 0.2119 | 0.2121 | 0.0002 | 0.2120 | | |

**Analysis Method**

**Refer to Blood Alcohol Method #1**

**Instrument Information** *Instrument method is stored centrally.*

Refer to Instrument Method: ALCOHOL.M
Hamilton Auto-Dilutor Serial Number: ML600HC11378

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.210** | **0.199** | **0.221** | **0.011** |

| | Reported Result | |
|---|---|---|
| | **0.210** | |

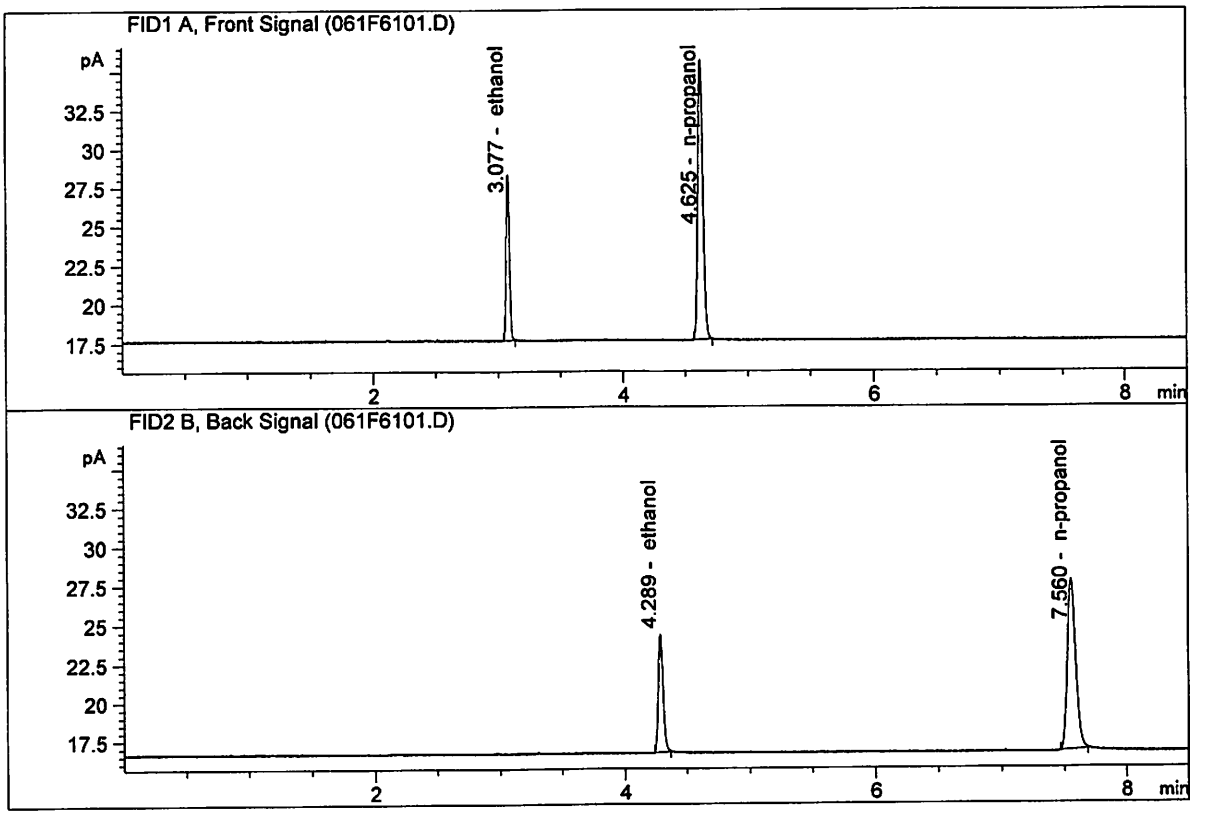
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Oct 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

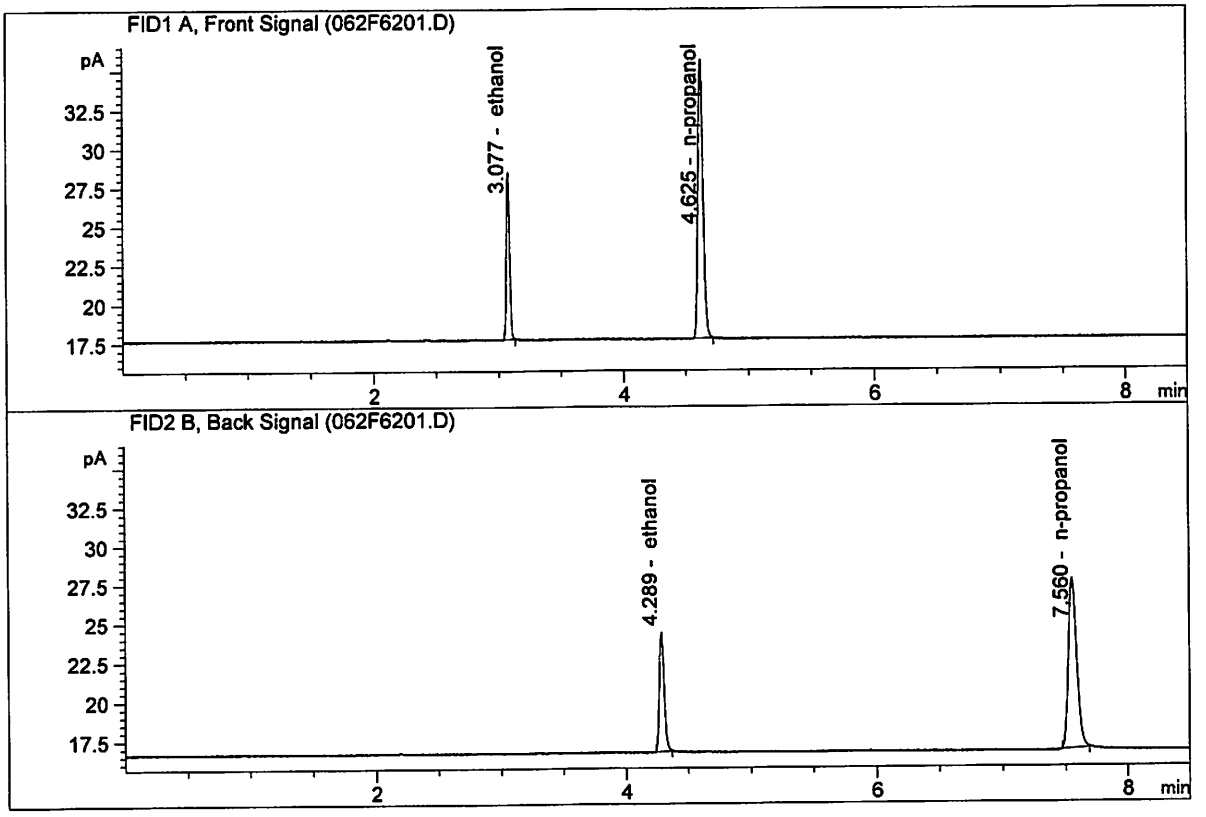



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 19.40139 | 0.2096 | g/100cc |
| 2. | Ethanol | Column 2: | 20.17393 | 0.2091 | g/100cc |
| 3. | n-Propanol | Column 1: | 51.07747 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.53410 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Oct 25, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

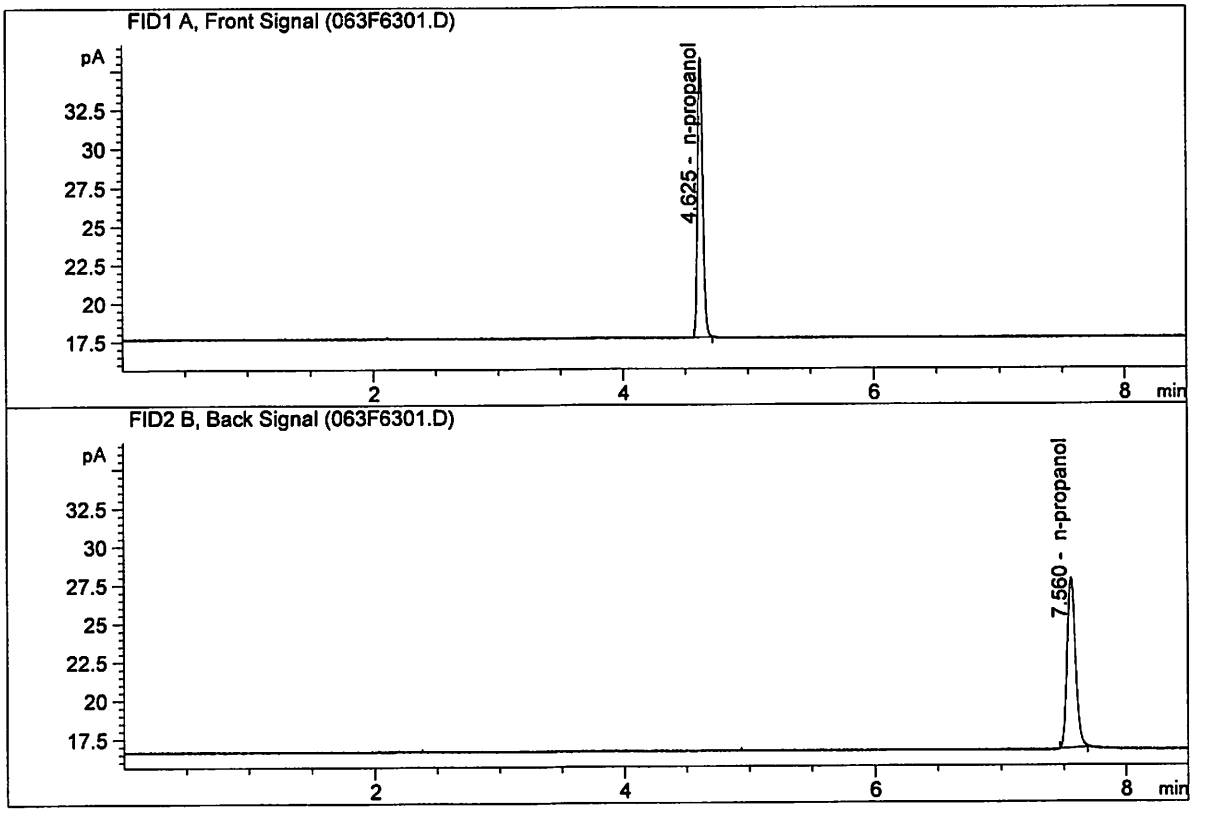



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 19.50769 | 0.2119 | g/100cc |
| 2. | Ethanol | Column 2: | 20.32373 | 0.2121 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.78727 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.16045 | 1.0000 | g/100cc |

JL

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Oct 25, 2018
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: | 51.34692 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.80690 | 1.0000 | g/100cc |

JC

Sequence File C:\Chem32\...8_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\10-24-18_SAMPLES.S

# Sample Summary

Sequence table: C:\Chem32\1\Data\10-24-18_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\10-24-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\10-24-18_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\
Logbook: C:\Chem32\1\Data\10-24-18_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\10-24-18_SAMPLES.LOG
Sequence start: 10/24/2018 4:06:12 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\10-24-18_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\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 | ~~M2018-3702-2-A~~ JC | - | 1.0000 | 007F0701.D | 4 |
| 8 | 8 | 1 | ~~M2018-3702-2-B~~ JC | - | 1.0000 | 008F0801.D | 4 |
| 9 | 9 | 1 | M2018-4653-1-A | - | 1.0000 | 009F0901.D | 4 |
| 10 | 10 | 1 | M2018-4653-1-B | - | 1.0000 | 010F1001.D | 4 |
| 11 | 11 | 1 | M2018-5123-1-A | - | 1.0000 | 011F1101.D | 4 |
| 12 | 12 | 1 | M2018-5123-1-B | - | 1.0000 | 012F1201.D | 4 |
| 13 | 13 | 1 | M2018-5157-1-A | - | 1.0000 | 013F1301.D | 4 |
| 14 | 14 | 1 | M2018-5157-1-B | - | 1.0000 | 014F1401.D | 4 |
| 15 | 15 | 1 | M2018-5158-1-A | - | 1.0000 | 015F1501.D | 4 |
| 16 | 16 | 1 | M2018-5158-1-B | - | 1.0000 | 016F1601.D | 4 |
| 17 | 17 | 1 | M2018-5159-1-A | - | 1.0000 | 017F1701.D | 4 |
| 18 | 18 | 1 | M2018-5159-1-B | - | 1.0000 | 018F1801.D | 4 |
| 19 | 19 | 1 | M2018-5160-1-A | - | 1.0000 | 019F1901.D | 4 |
| 20 | 20 | 1 | M2018-5160-1-B | - | 1.0000 | 020F2001.D | 4 |
| 21 | 21 | 1 | M2018-5185-1-A | - | 1.0000 | 021F2101.D | 2 |
| 22 | 22 | 1 | M2018-5185-1-B | - | 1.0000 | 022F2201.D | 2 |
| 23 | 23 | 1 | M2018-5187-1-A | - | 1.0000 | 023F2301.D | 4 |
| 24 | 24 | 1 | M2018-5187-1-B | - | 1.0000 | 024F2401.D | 4 |
| 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 | M2018-5204-1-A | - | 1.0000 | 027F2701.D | 4 |
| 28 | 28 | 1 | M2018-5204-1-B | - | 1.0000 | 028F2801.D | 4 |
| 29 | 29 | 1 | M2018-5215-1-A | - | 1.0000 | 029F2901.D | 4 |
| 30 | 30 | 1 | M2018-5215-1-B | - | 1.0000 | 030F3001.D | 4 |
| 31 | 31 | 1 | M2018-5224-1-A | - | 1.0000 | 031F3101.D | 2 |
| 32 | 32 | 1 | M2018-5224-1-B | - | 1.0000 | 032F3201.D | 2 |
| 33 | 33 | 1 | M2018-5228-1-A | - | 1.0000 | 033F3301.D | 4 |
| 34 | 34 | 1 | M2018-5228-1-B | - | 1.0000 | 034F3401.D | 4 |
| 35 | 35 | 1 | M2018-5229-1-A | - | 1.0000 | 035F3501.D | 4 |
| 36 | 36 | 1 | M2018-5229-1-B | - | 1.0000 | 036F3601.D | 4 |
| 37 | 37 | 1 | M2018-5233-1-A JC-2 | - | 1.0000 | 037F3701.D | 4 |
| 38 | 38 | 1 | M2018-5233-1-B JC-2 | - | 1.0000 | 038F3801.D | 4 |
| 39 | 39 | 1 | M2018-5238-1-A | - | 1.0000 | 039F3901.D | 4 |
| 40 | 40 | 1 | M2018-5238-1-B | - | 1.0000 | 040F4001.D | 4 |
| 41 | 41 | 1 | M2018-5240-1-A | - | 1.0000 | 041F4101.D | 2 |
| 42 | 42 | 1 | M2018-5240-1-B | - | 1.0000 | 042F4201.D | 2 |
| 43 | 43 | 1 | M2018-5240-2-A | - | 1.0000 | 043F4301.D | 2 |

Rerun next batch

JC

Sequence File C:\Chem32\...8_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24\10-24-18_SAMPLES.S

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 44 | 44 | 1 | M2018-5240-2-B | - | 1.0000 | 044F4401.D | 2 |
| 45 | 45 | 1 | QC1-2-A | - | 1.0000 | 045F4501.D | 4 |
| 46 | 46 | 1 | QC1-2-B | - | 1.0000 | 046F4601.D | 4 |
| 47 | 47 | 1 | M2018-5240-3-A | - | 1.0000 | 047F4701.D | 2 |
| 48 | 48 | 1 | M2018-5240-3-B | - | 1.0000 | 048F4801.D | 2 |
| 49 | 49 | 1 | M2018-5277-1-A | - | 1.0000 | 049F4901.D | 4 |
| 50 | 50 | 1 | M2018-5277-1-B | - | 1.0000 | 050F5001.D | 4 |
| 51 | 51 | 1 | M2018-5278-1-A | - | 1.0000 | 051F5101.D | 4 |
| 52 | 52 | 1 | M2018-5278-1-B | - | 1.0000 | 052F5201.D | 4 |
| 53 | 53 | 1 | M2018-5279-1-A | - | 1.0000 | 053F5301.D | 4 |
| 54 | 54 | 1 | M2018-5279-1-B | - | 1.0000 | 054F5401.D | 4 |
| 55 | 55 | 1 | M2018-5280-1-A | - | 1.0000 | 055F5501.D | 4 |
| 56 | 56 | 1 | M2018-5280-1-B | - | 1.0000 | 056F5601.D | 4 |
| 57 | 57 | 1 | M2018-5281-1-A | - | 1.0000 | 057F5701.D | 4 |
| 58 | 58 | 1 | M2018-5281-1-B | - | 1.0000 | 058F5801.D | 4 |
| 59 | 59 | 1 | M2018-5297-1-A | - | 1.0000 | 059F5901.D | 4 |
| 60 | 60 | 1 | M2018-5297-1-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\10-24-18_SAMPLES\10-24-18_SAMPLES 2018-10-24 15-51-24 \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 |

# Calibration Table

## General Calibration Setting

Calib. Data Modified : Tuesday, October 16, 2018 5:30:18 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 | 4.43851 | 1.12650e-2 | No | No | 1 | ethanol |
| | | 2 | 1.00000e-1 | 8.94911 | 1.11743e-2 | | | | |
| | | 3 | 2.00000e-1 | 17.85105 | 1.12038e-2 | | | | |
| | | 4 | 3.00000e-1 | 27.28774 | 1.09939e-2 | | | | |
| | | 5 | 5.00000e-1 | 45.86051 | 1.09026e-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 | 4.49525 | 1.11229e-2 | No | No | 2 | ethanol |
| | | 2 | 1.00000e-1 | 9.21686 | 1.08497e-2 | | | | |
| | | 3 | 2.00000e-1 | 18.63795 | 1.07308e-2 | | | | |
| | | 4 | 3.00000e-1 | 28.66187 | 1.04669e-2 | | | | |
| | | 5 | 5.00000e-1 | 48.71193 | 1.02644e-2 | | | | |
| 4.308 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | acetone |
| 4.620 | 1 | 1 | 1.00000 | 49.47949 | 2.02104e-2 | No | Yes | 1 | n-propanol |
| | | 2 | 1.00000 | 49.84093 | 2.00638e-2 | | | | |
| | | 3 | 1.00000 | 49.22251 | 2.03159e-2 | | | | |
| | | 4 | 1.00000 | 50.07795 | 1.99689e-2 | | | | |
| | | 5 | 1.00000 | 50.47788 | 1.98107e-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 | 51.55437 | 1.93970e-2 | No | Yes | 2 | n-propanol |
| | | 2 | 1.00000 | 51.92276 | 1.92594e-2 | | | | |
| | | 3 | 1.00000 | 51.00378 | 1.96064e-2 | | | | |
| | | 4 | 1.00000 | 51.78703 | 1.93099e-2 | | | | |
| | | 5 | 1.00000 | 52.19726 | 1.91581e-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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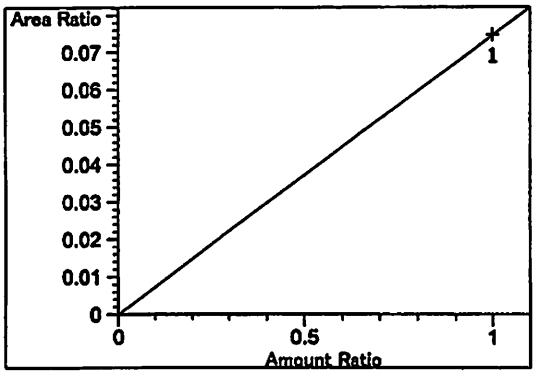
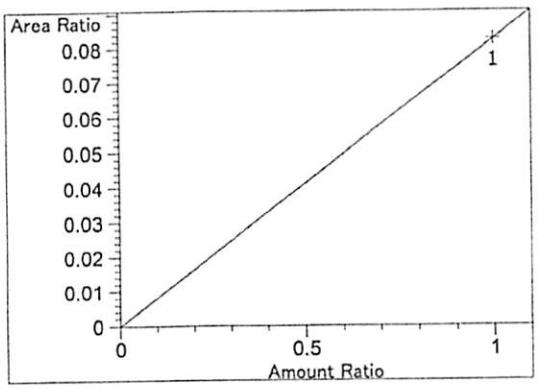
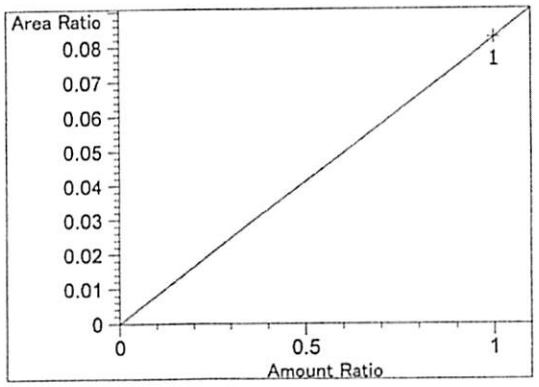


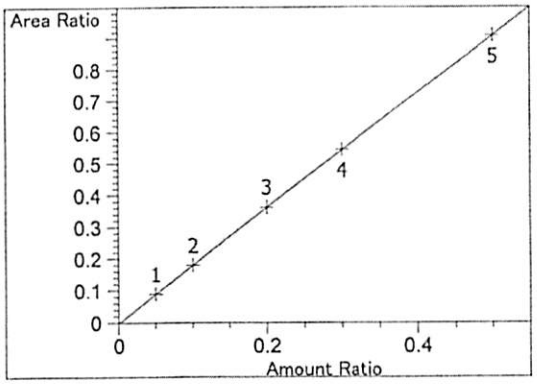

methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 7.47117e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



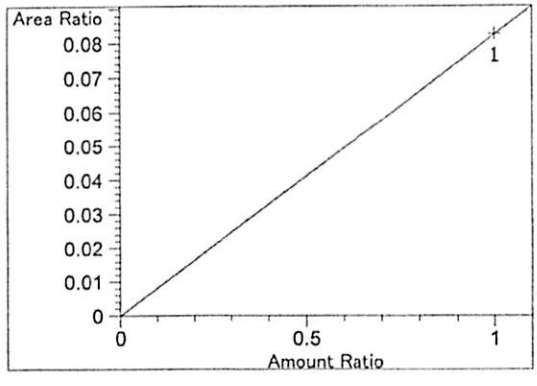

Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.26506e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio




Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.26506e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

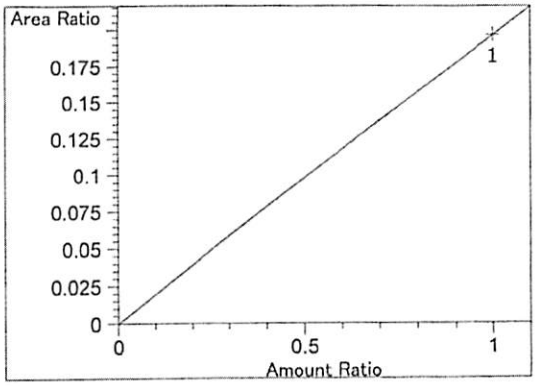



ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00058
Formula: y = mx + b
m: 1.82092
b: -1.74050e-3
x: Amount Ratio
y: Area Ratio

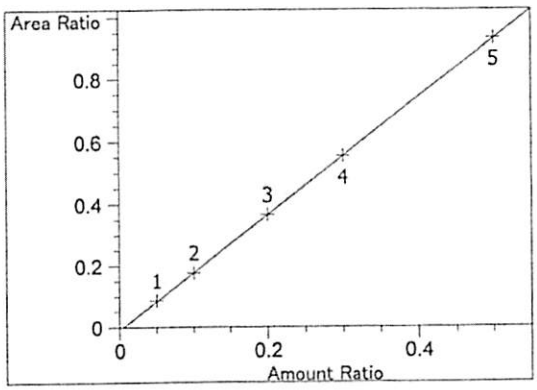



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.26433e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

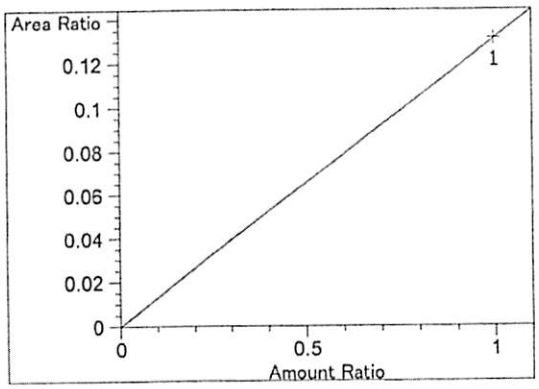
JG



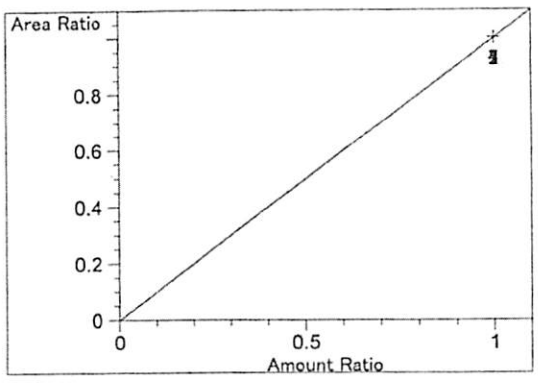

isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.96658e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



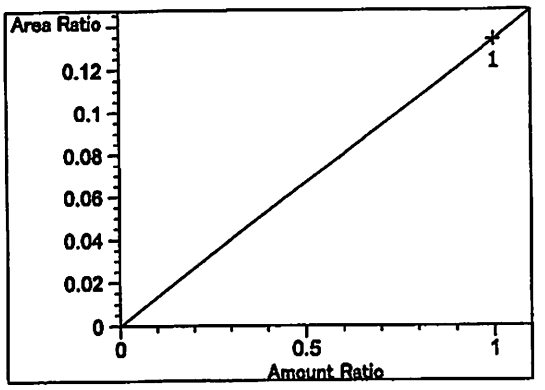

ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00231
Formula: y = mx + b
m: 1.88265
b: -9.64732e-3
x: Amount Ratio
y: Area Ratio



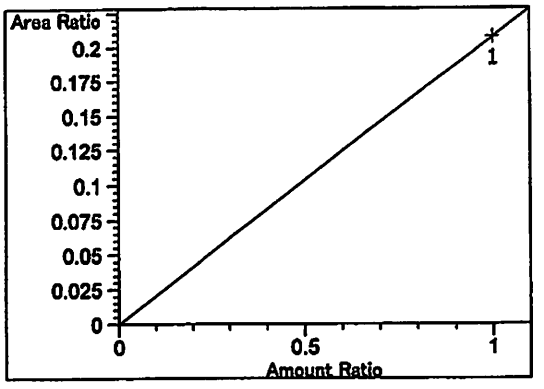

acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.31355e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



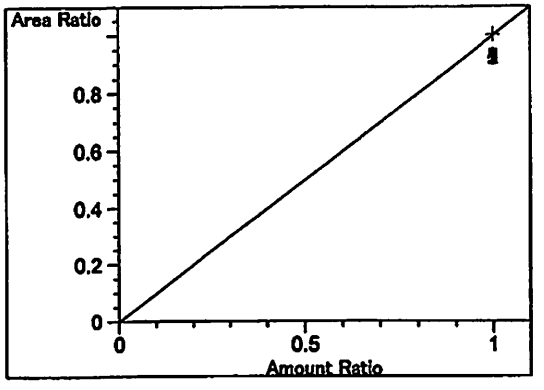

n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio




acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.33704e-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: 2.07672e-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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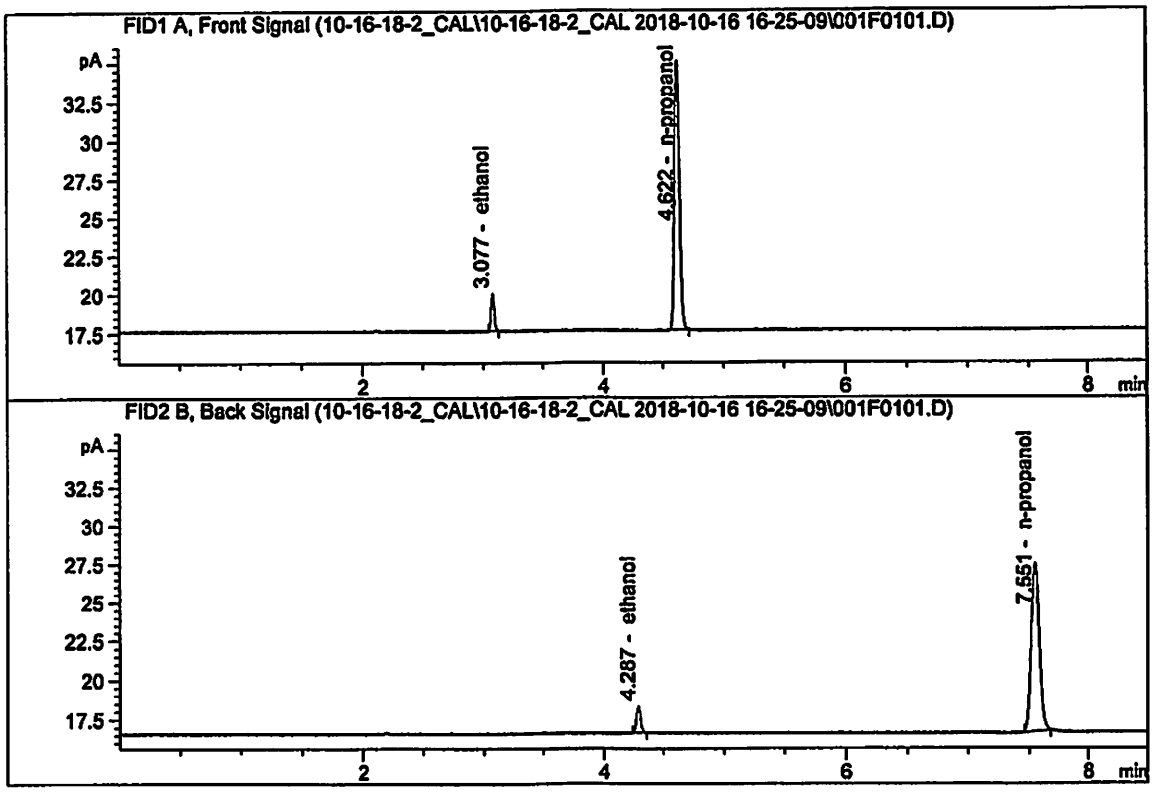
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Oct 16, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 4.43851 | 0.0502 | g/100cc |
| 2. | Ethanol | Column 2: | 4.49525 | 0.0514 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.47949 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.55437 | 1.0000 | g/100cc |

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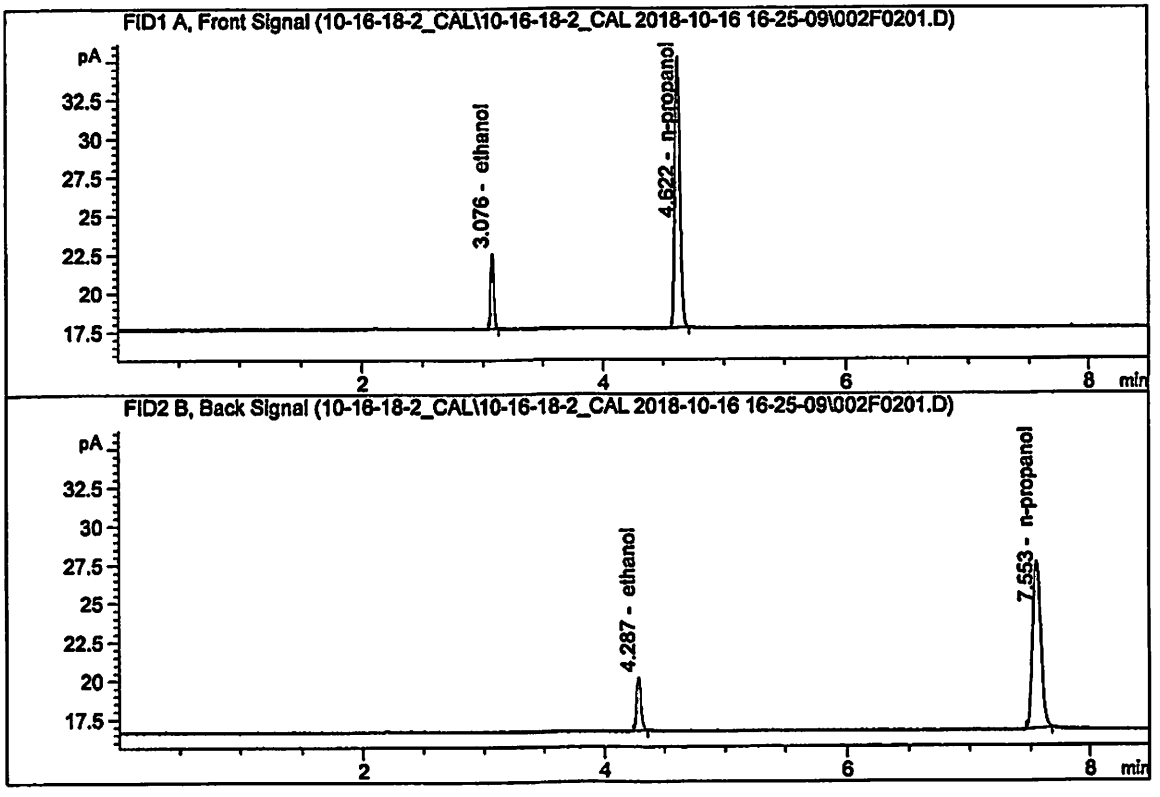
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
Laboratory : Meridian
Injection Date : Oct 16, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

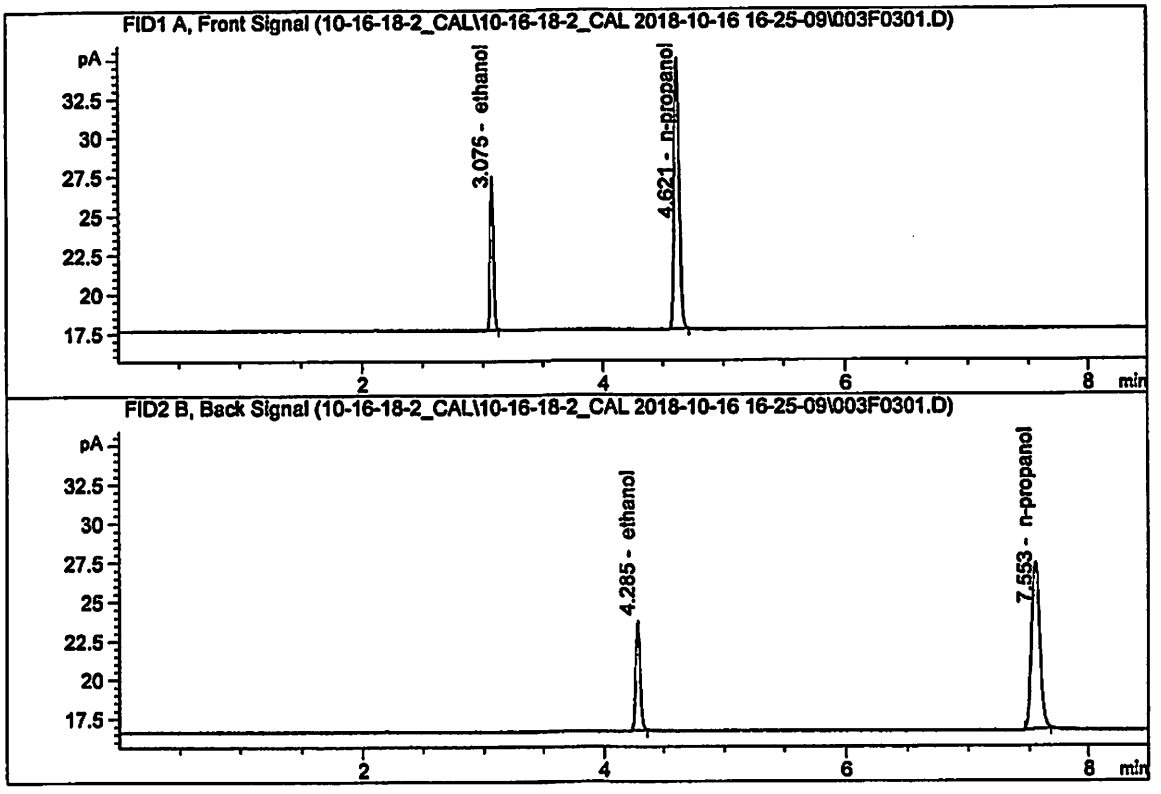



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 8.94911 | 0.0996 | g/100cc |
| 2. | Ethanol | Column 2: | 9.21686 | 0.0994 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.84093 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.92276 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

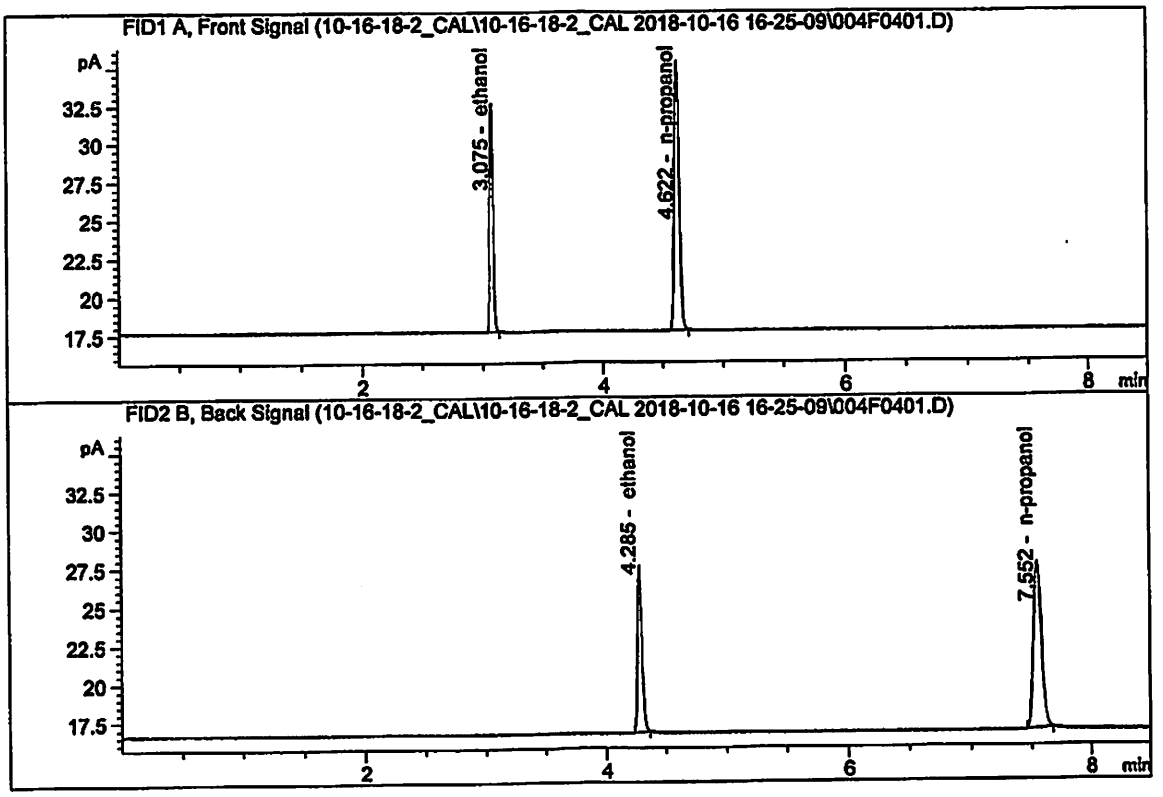
Sample Name : 0.200 FN12011401
Laboratory : Meridian
Injection Date : Oct 16, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.85105 | 0.2001 | g/100cc |
| 2. | Ethanol | Column 2: | 18.63795 | 0.1992 | g/100cc |
| 3. | n-Propanol | Column 1: | 49.22251 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.00378 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

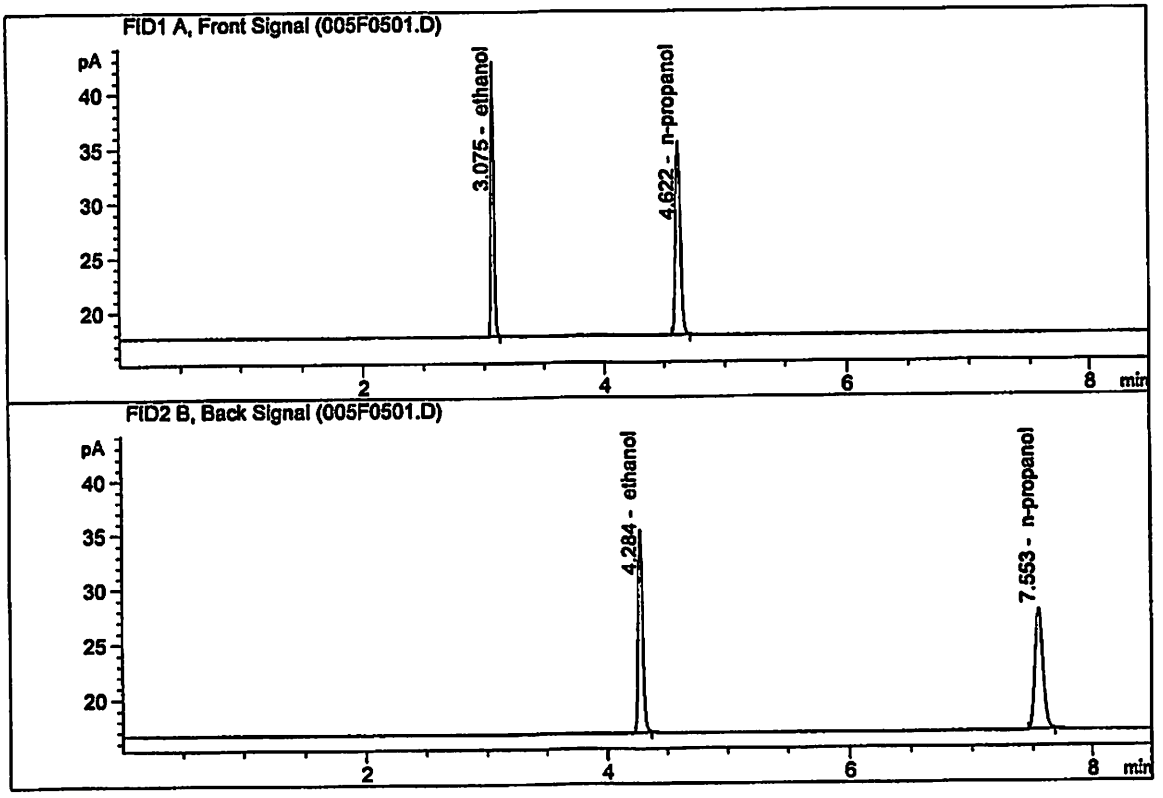
Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Oct 16, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 27.28774 | 0.3002 | g/100cc |
| 2. | Ethanol | Column 2: | 28.66187 | 0.2991 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.07795 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.78703 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
Laboratory : Meridian
Injection Date : Oct 16, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 45.86051 | 0.4999 | g/100cc |
| 2. | Ethanol | Column 2: | 48.71193 | 0.5008 | g/100cc |
| 3. | n-Propanol | Column 1: | 50.47788 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 52.19726 | 1.0000 | g/100cc |

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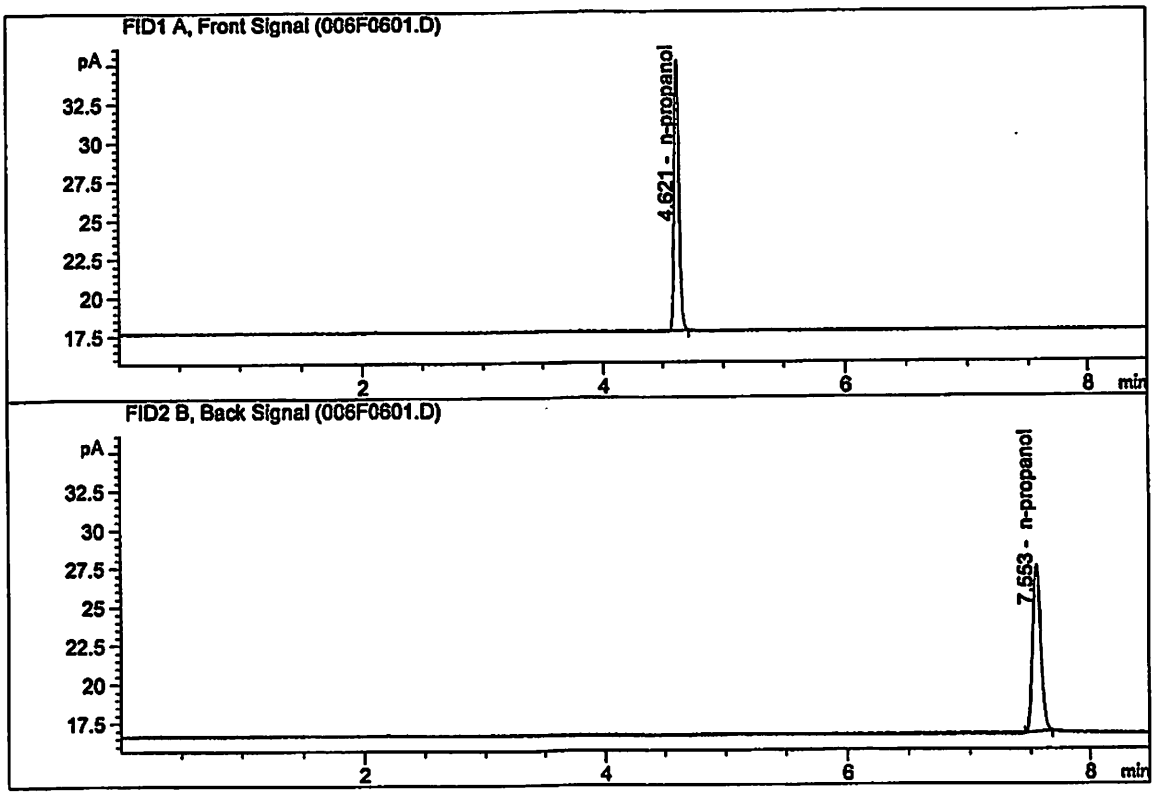
# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Oct 16, 2018
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: | 49.51233 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 51.43835 | 1.0000 | g/100cc |

Sequence File C:\Chem32\...0-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\10-16-18-2_CAL.S

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

Sequence table: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\10-16-18-2_CAL.S
Data directory path: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\
Logbook: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\10-16-18-2_CAL.LOG
Sequence start: 10/16/2018 4:39:45 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\10-16-18-2_CAL\10-16-18-2_CAL 2018-10-16 16-25-09\ALCOHO.M

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 0.050 FN06231406 | - | 1.0000 | 001F0101.D | * | 4 |
| 2 | 2 | 1 | 0.100 FN08101601 | - | 1.0000 | 002F0201.D | * | 4 |
| 3 | 3 | 1 | 0.200 FN12011401 | - | 1.0000 | 003F0301.D | * | 4 |
| 4 | 4 | 1 | 0.300 FN02121601 | - | 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 |