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

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96BC1382/MD94AM10010*

**Volatiles Quality Assurance Controls** **Run Date(s): 08/09/2017-08/10/2017**

**Calibration Date:** 7/28/2017

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jul-18 | 1407031 | 0.0780 | 0.0702 - 0.0858 | 0.0764 g/100cc |
| | | | | | 0.0787 g/100cc |
| | | | | | g/100cc |
| Level 2 | Jul-18 | 1407032 | 0.2020 | 0.1818 - 0.2222 | 0.1969 g/100cc |
| | | | | | 0.2052 g/100cc |

| | | | | | |
|---|---|---|---|---|---|
| **Multi-Component Mixture** | **Exp: Oct 2019** | **Lot #** | FN09231404 | | OK |
| **Curve Fit:** | | **Column 1** | 0.99998 | **Column 2** | 0.99992 |

| 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 | 0.0492 | 0.0506 | 0.0014 | 0.0499 |
| 0.080 | | | 0.080 | 0.072 - 0.088 | | | 0 | #DIV/0! |
| 0.100 | Jun-20 | FN06181501 | 0.100 | 0.090 - 0.110 | 0.1016 | 0.1023 | 0.0007 | 0.1019 |
| 0.200 | Oct-20 | FN07201502 | 0.200 | 0.180 - 0.220 | 0.1995 | 0.1973 | 0.0022 | 0.1984 |
| 0.300 | Feb-21 | FN02121601 | 0.300 | 0.270 - 0.330 | 0.2994 | 0.2981 | 0.0013 | 0.2987 |
| 0.400 | | | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 0.500 | Aug-19 | FN07031402 | 0.500 | 0.450 - 0.550 | 0.5003 | 0.5017 | 0.0014 | 0.501 |

| Aqueous Controls | | | | | | |
|---|---|---|---|---|---|---|
| **Control level** | **Expiration** | **Cerilliant Lot #** | **Target Value** | **Acceptable Range** | **Overall Results** | |
| 0.080 | Nov-20 | FN10281510 | 0.08000 | 0.076 - 0.084 | 0.079 | g/100cc |

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

8/10/2017

**Worklist: 1833**

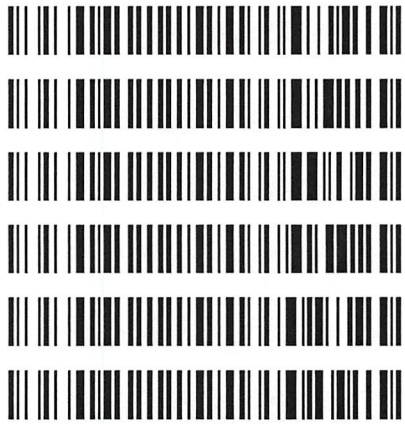
| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| M2017-3421 | 1 | 90813 | Alcohol Analysis |
| M2017-3454 | 1 | 90937 | Alcohol Analysis |
| M2017-3460 | 1 | 90962 | Alcohol Analysis |
| M2017-3466 | 1 | 90999 | Alcohol Analysis |
| M2017-3469 | 1 | 91057 | Alcohol Analysis |
| M2017-3485 | 1 | 91111 | Alcohol Analysis |
| M2017-3487 | 1 | 91114 | Alcohol Analysis |
| M2017-3488 | 1 | 91115 | Alcohol Analysis |
| M2017-3489 | 1 | 91119 | Alcohol Analysis |
| M2017-3491 | 1 | 91129 | Alcohol Analysis |
| M2017-3495 | 1 | 91211 | Alcohol Analysis |
| M2017-3496 | 1 | 91212 | Alcohol Analysis |
| M2017-3497 | 1 | 91213 | Alcohol Analysis |
| M2017-3498 | 1 | 91220 | Alcohol Analysis |
| M2017-3499 | 1 | 91221 | Alcohol Analysis |
| M2017-3500 | 1 | 91222 | Alcohol Analysis |
| M2017-3501 | 1 | 91227 | Alcohol Analysis |
| M2017-3502 | 1 | 91229 | Alcohol Analysis |
| M2017-3503 | 1 | 91234 | Alcohol Analysis |
| M2017-3513 | 1 | 91252 | Alcohol Analysis |
| M2017-3528 | 1 | 91296 | Alcohol Analysis |
| M2017-3529 | 1 | 91303 | Alcohol Analysis |
| M2017-3530 | 1 | 91304 | Alcohol Analysis |



JG

**Worklist: 1833**

| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| M2017-3532 | 1 | 91325 | Alcohol Analysis |
| M2017-3537 | 1 | 91361 | Alcohol Analysis |
| M2017-3538 | 2 | 91366 | Alcohol Analysis |
| M2017-3562 | 1 | 91400 | Alcohol Analysis |
| M2017-3610 | 1 | 91911 | Alcohol Analysis |
| M2017-3610 | 2 | 91910 | Alcohol Analysis |

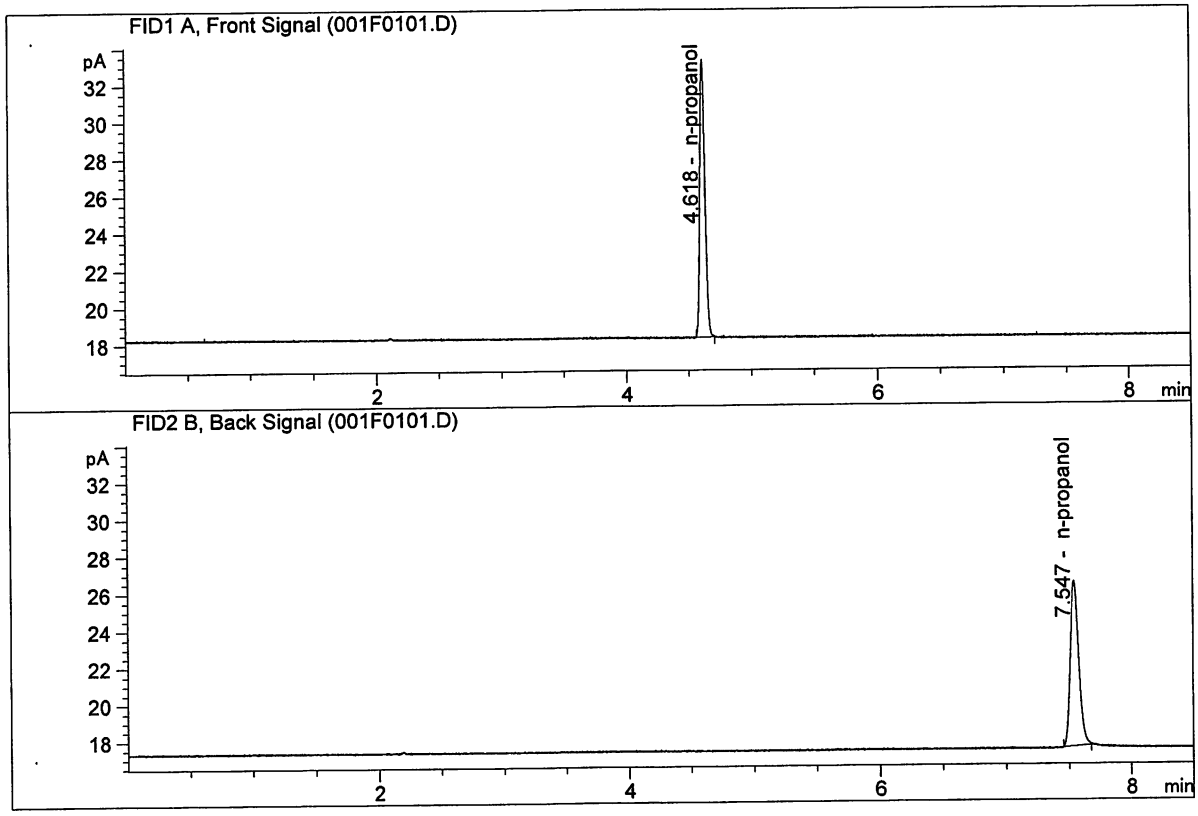




JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

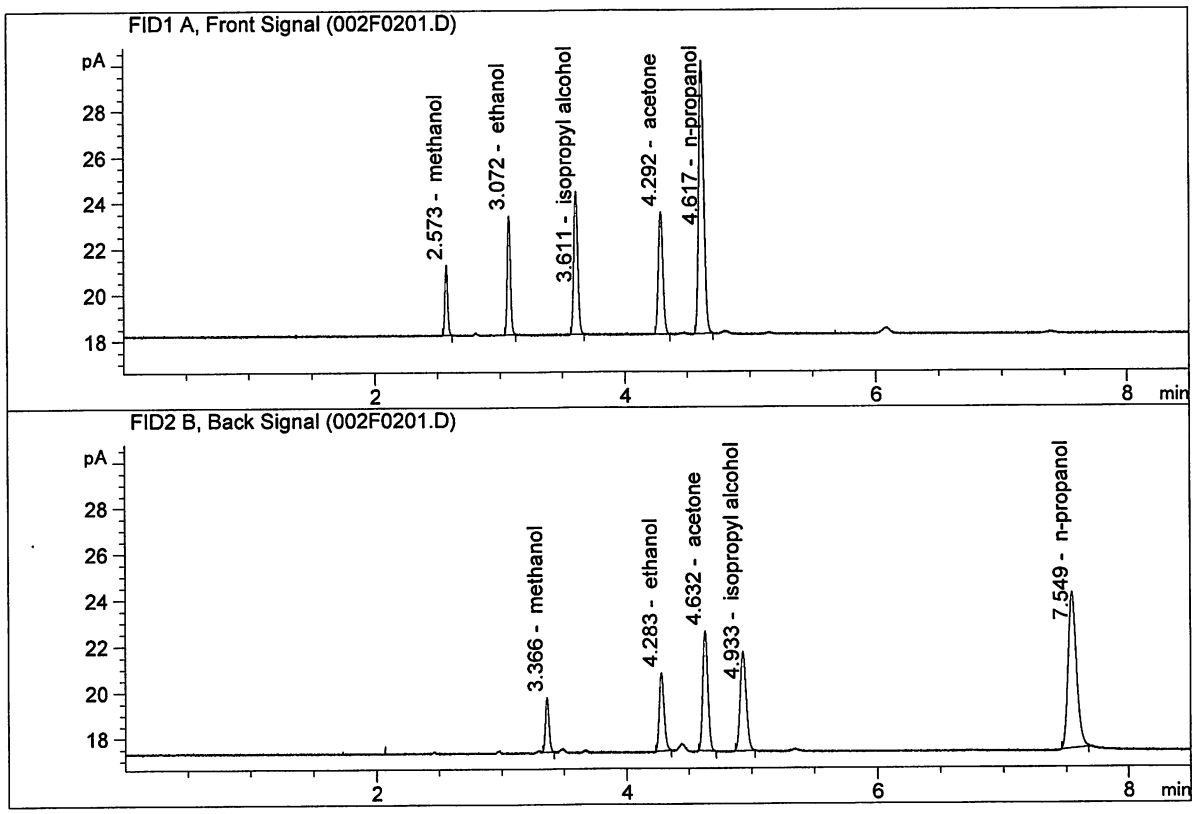



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.68777 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.20307 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 9.10970 | 0.1326 | g/100cc |
| 2. | Ethanol | Column 2: | 9.17581 | 0.1325 | g/100cc |
| 3. | n-Propanol | Column 1: | 33.35701 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 32.88824 | 1.0000 | g/100cc |

JC

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-1** **Analysis Date(s): 09 Aug 2017**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0763 | 0.0761 | 0.0002 | 0.0762 | 0.0764 | |
| (g/100cc) | 0.0765 | 0.0769 | 0.0004 | 0.0767 | | |

**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:
MD96BC1382/MD94AM10010

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.076** | **0.072** | **0.080** | **0.004** |

| | **Reported Result** | |
|---|---|---|
| | **0.076** | |

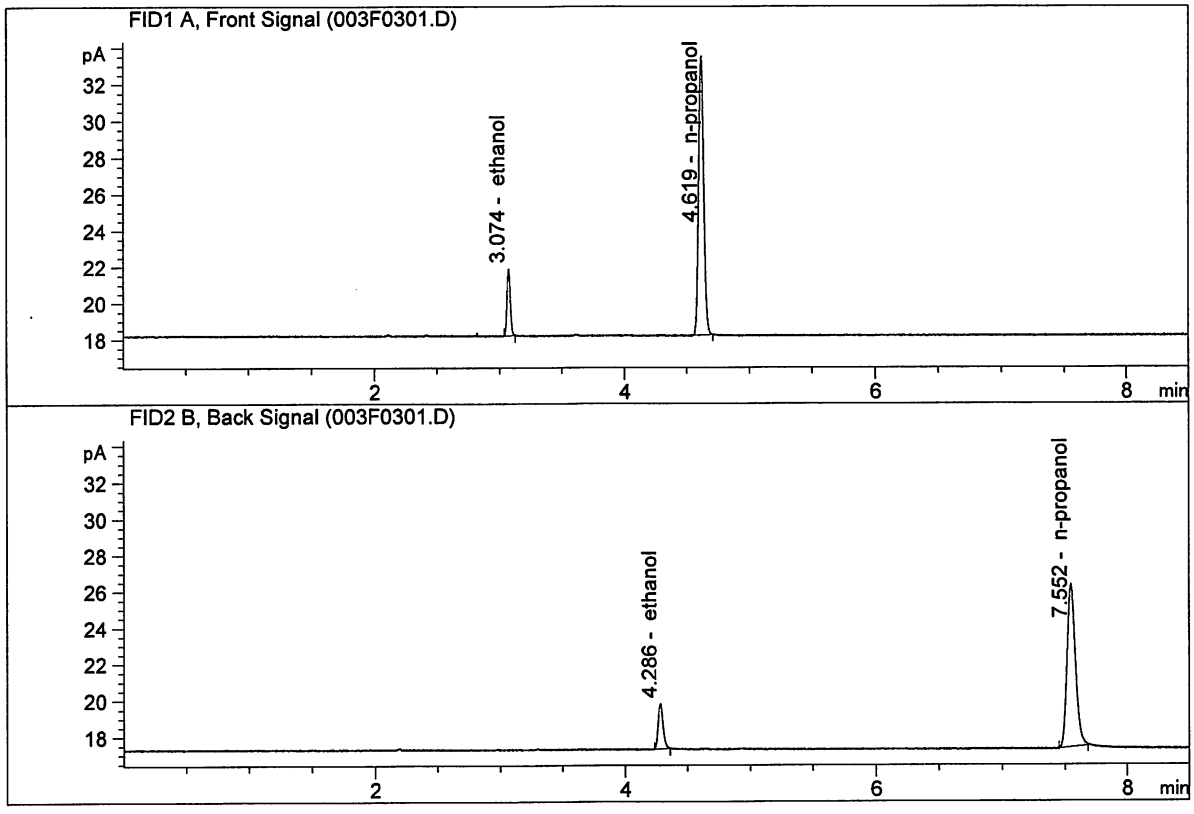
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

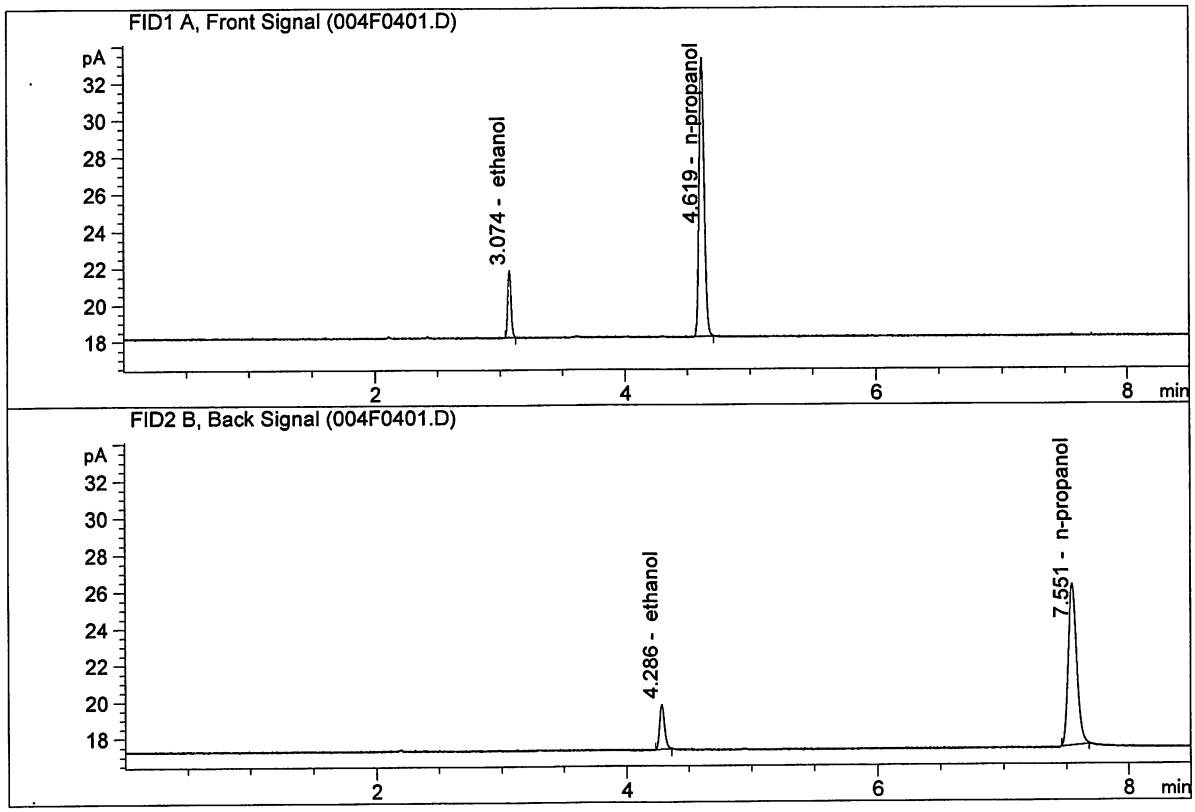



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.79473 | 0.0763 | g/100cc |
| 2. | Ethanol | Column 2: | 6.79441 | 0.0761 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.41513 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.61177 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.72137 | 0.0765 | g/100cc |
| 2. | Ethanol | Column 2: | 6.72668 | 0.0769 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.83102 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.72705 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 0.08 FN10281510** **Analysis Date(s): 09 Aug 2017**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0784 | 0.0789 | 0.0005 | 0.0786 | 0.0792 | |
| (g/100cc) | 0.0798 | 0.0799 | 0.0001 | 0.0798 | | |

**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:
MD96BC1382/MD94AM10010

**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**

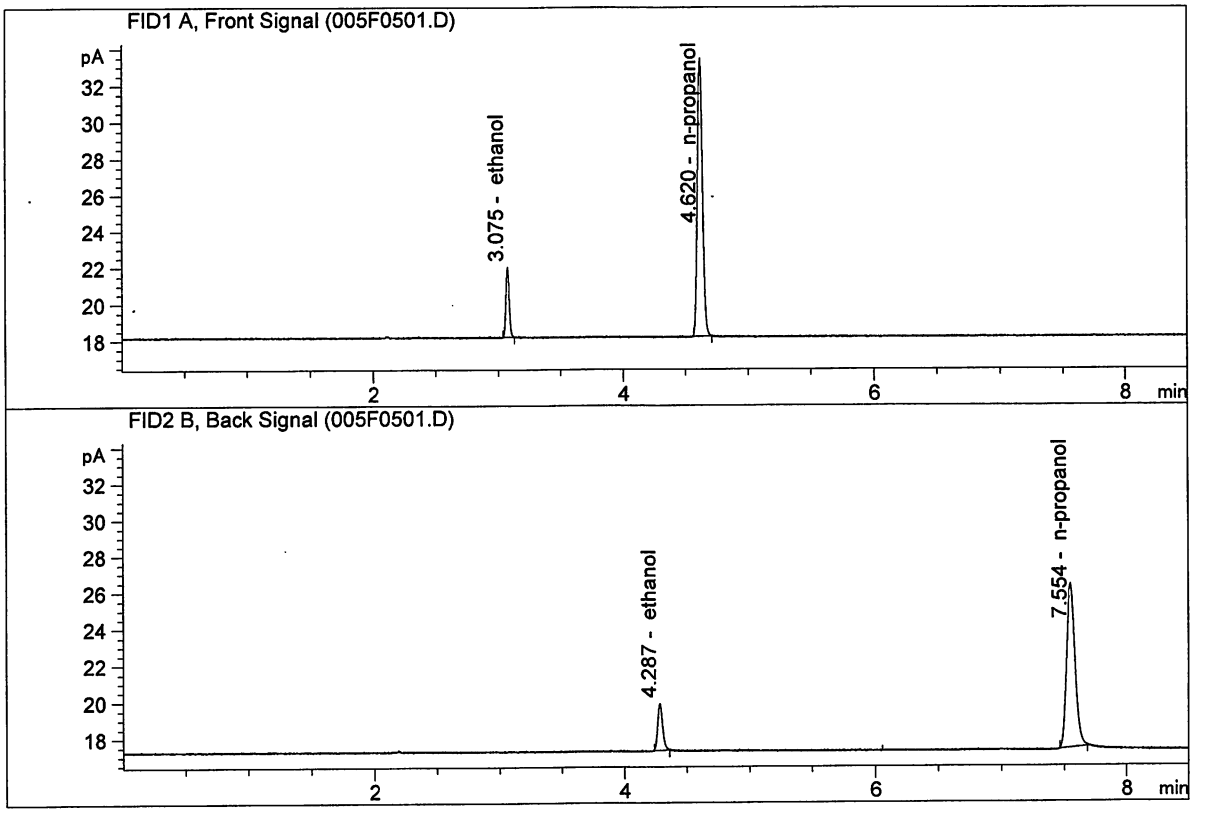
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

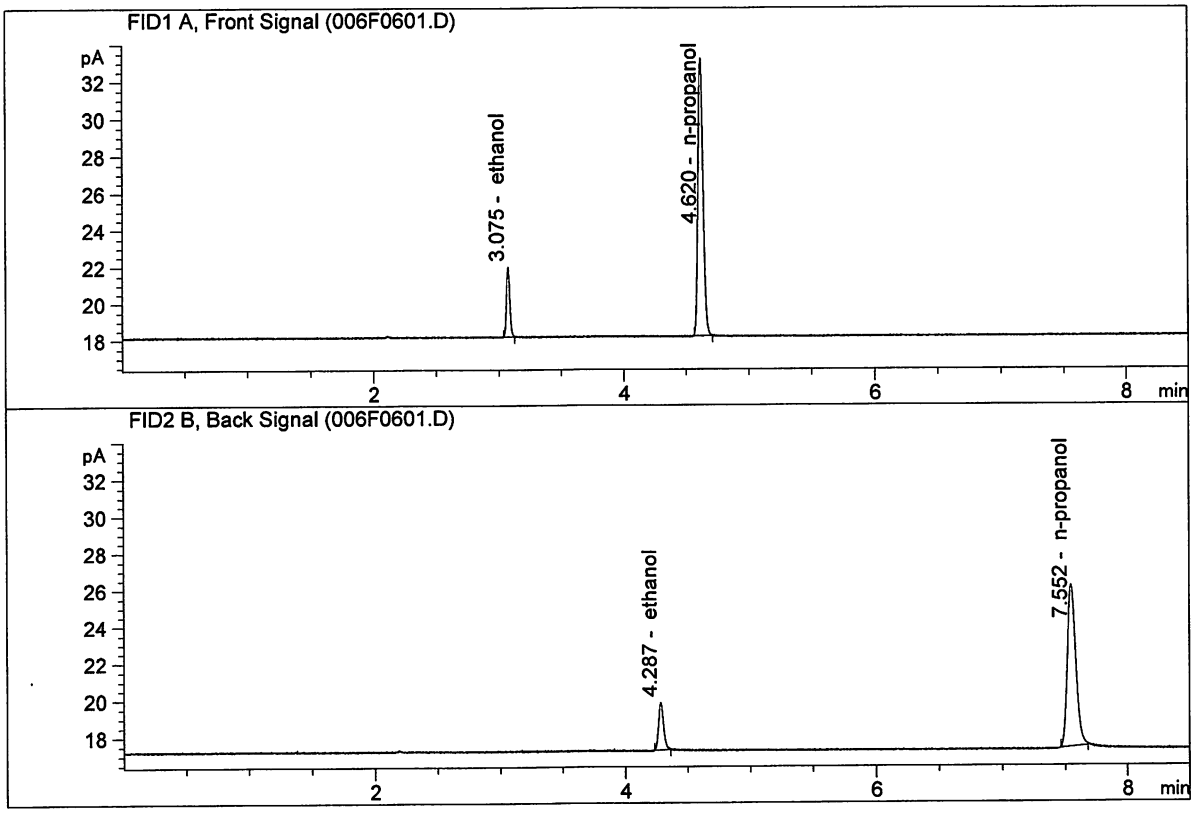



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.99167 | 0.0784 | g/100cc |
| 2. | Ethanol | Column 2: | 7.01004 | 0.0789 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.43423 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.29609 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 6.98819 | 0.0798 | g/100cc |
| 2. | Ethanol | Column 2: | 6.96213 | 0.0799 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.68892 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.42131 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-1** **Analysis Date(s): 09 Aug 2017**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.1980 | 0.1959 | 0.0021 | 0.1969 | 0.1969 | |
| (g/100cc) | 0.1979 | 0.1958 | 0.0021 | 0.1968 | | |

**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:
MD96BC1382/MD94AM10010

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| 0.196 | 0.186 | 0.206 | 0.010 |

| | Reported Result | |
|---|---|---|
| | 0.196 | |

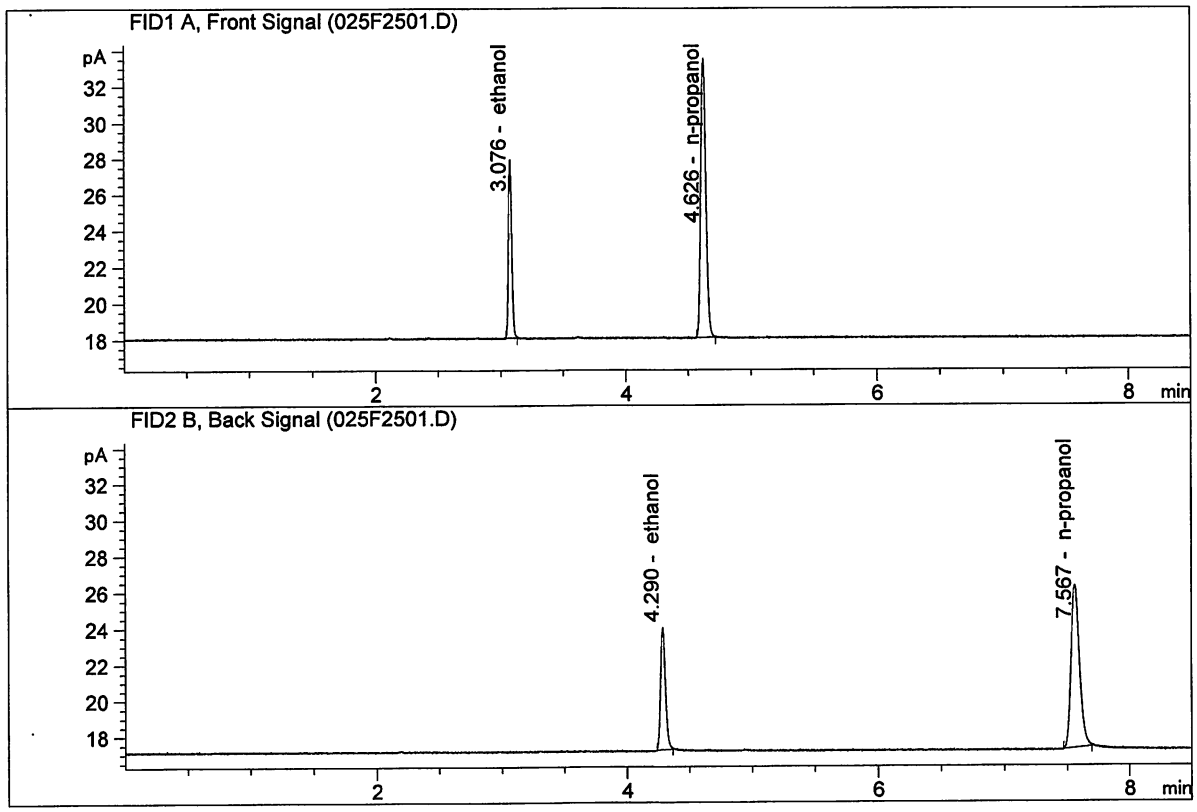
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

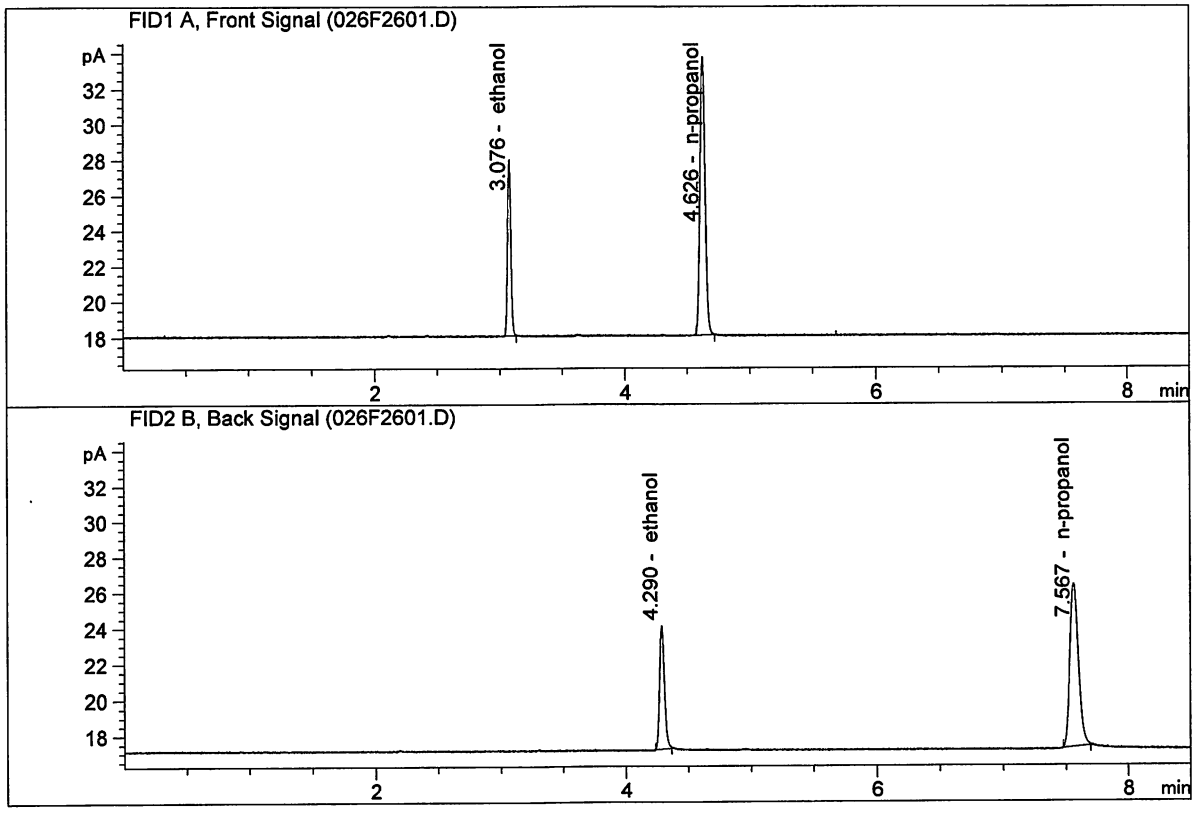



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.94827 | 0.1980 | g/100cc |
| 2. | Ethanol | Column 2: | 18.27805 | 0.1959 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.95301 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.78812 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Aug 9, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.15965 | 0.1979 | g/100cc |
| 2. | Ethanol | Column 2: | 18.48592 | 0.1958 | g/100cc |
| 3. | n-Propanol | Column 1: | 44.49609 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.31281 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-2** **Analysis Date(s): 10 Aug 2017**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0787 | 0.0791 | 0.0004 | 0.0789 | 0.0787 | |
| (g/100cc) | 0.0784 | 0.0786 | 0.0002 | 0.0785 | | |

**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:
MD96BC1382/MD94AM10010

**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** | |

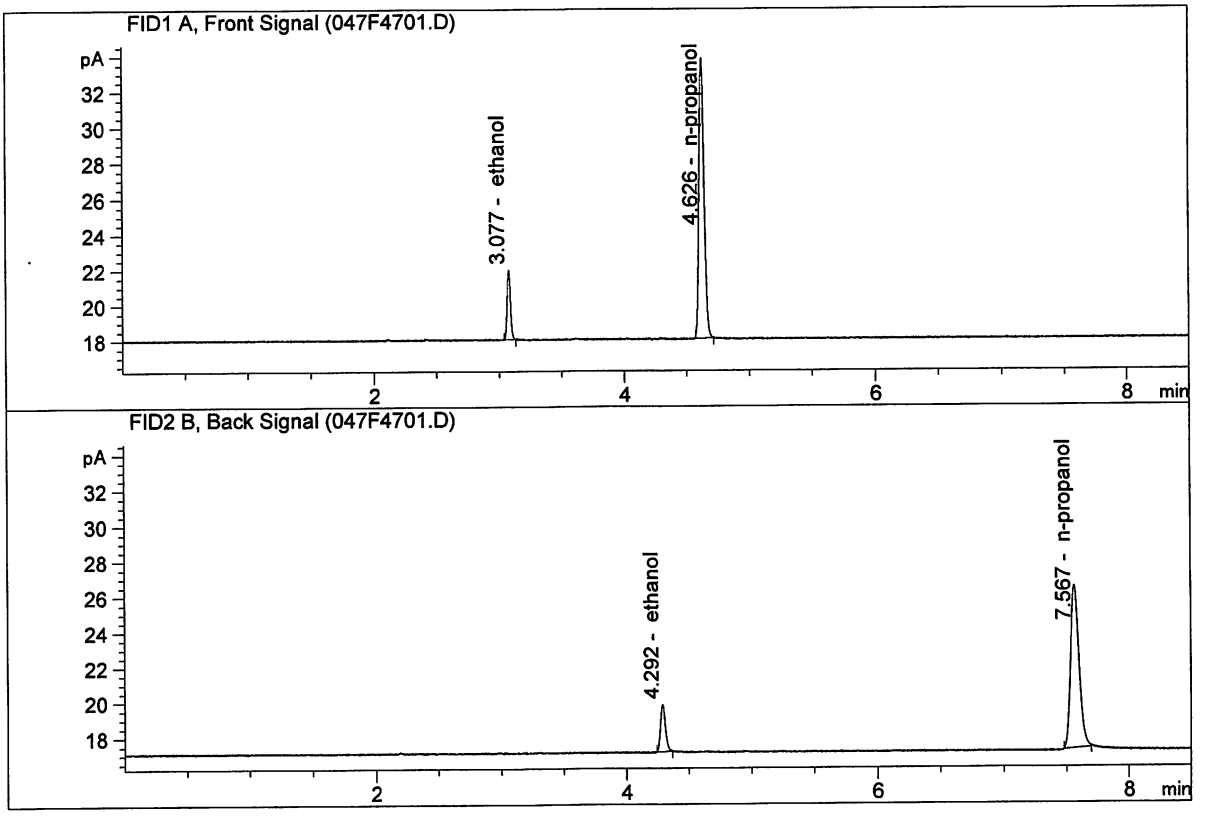
***Calibration and control data are stored centrally.***



JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

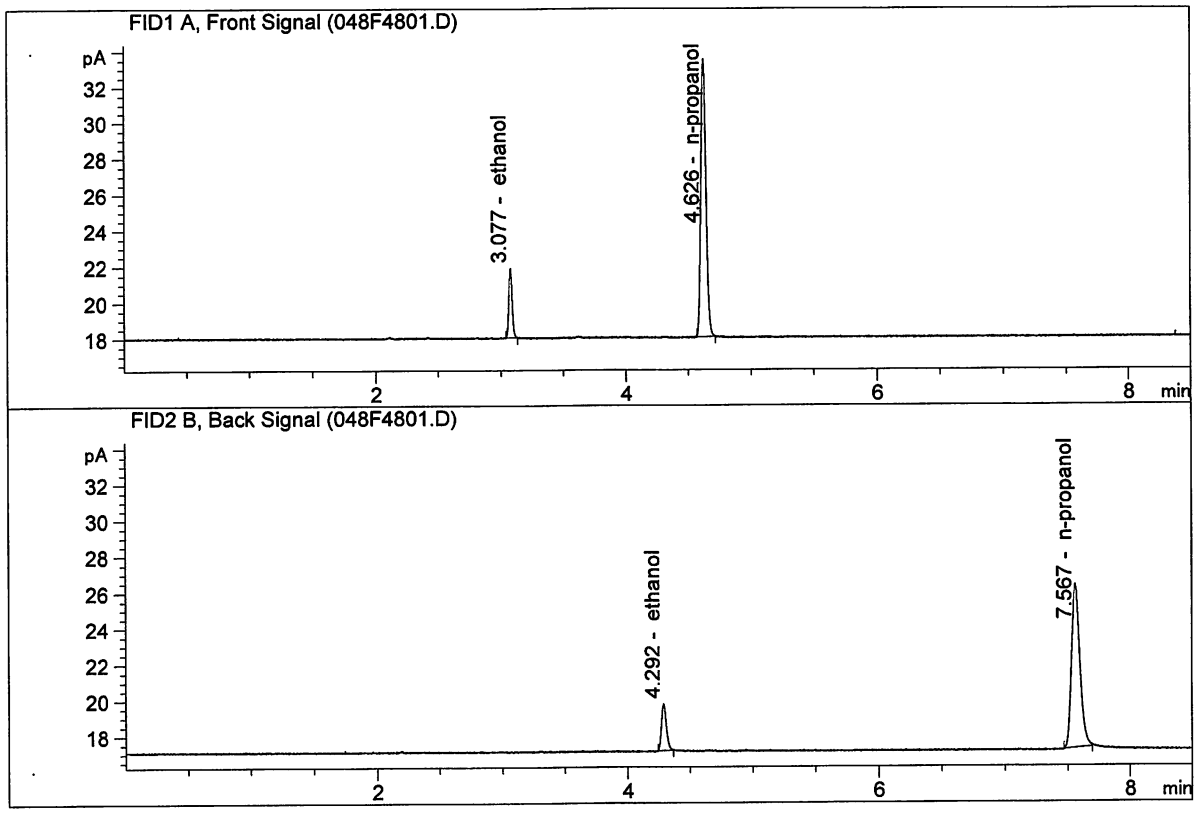



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.23885 | 0.0787 | g/100cc |
| 2. | Ethanol | Column 2: | 7.26230 | 0.0791 | g/100cc |
| 3. | n-Propanol | Column 1: | 44.81012 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.74486 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 7.10002 | 0.0784 | g/100cc |
| 2. | Ethanol | Column 2: | 7.11230 | 0.0786 | g/100cc |
| 3. | n-Propanol | Column 1: | 44.10369 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.13015 | 1.0000 | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-2** **Analysis Date(s): 10 Aug 2017**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean |
|---|---|---|---|---|---|
| Sample Results | 0.2067 | 0.2051 | 0.0016 | 0.2059 | 0.2052 |
| (g/100cc) | 0.2059 | 0.2033 | 0.0026 | 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:
MD96BC1382/MD94AM10010

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.205** | **0.194** | **0.216** | **0.011** |

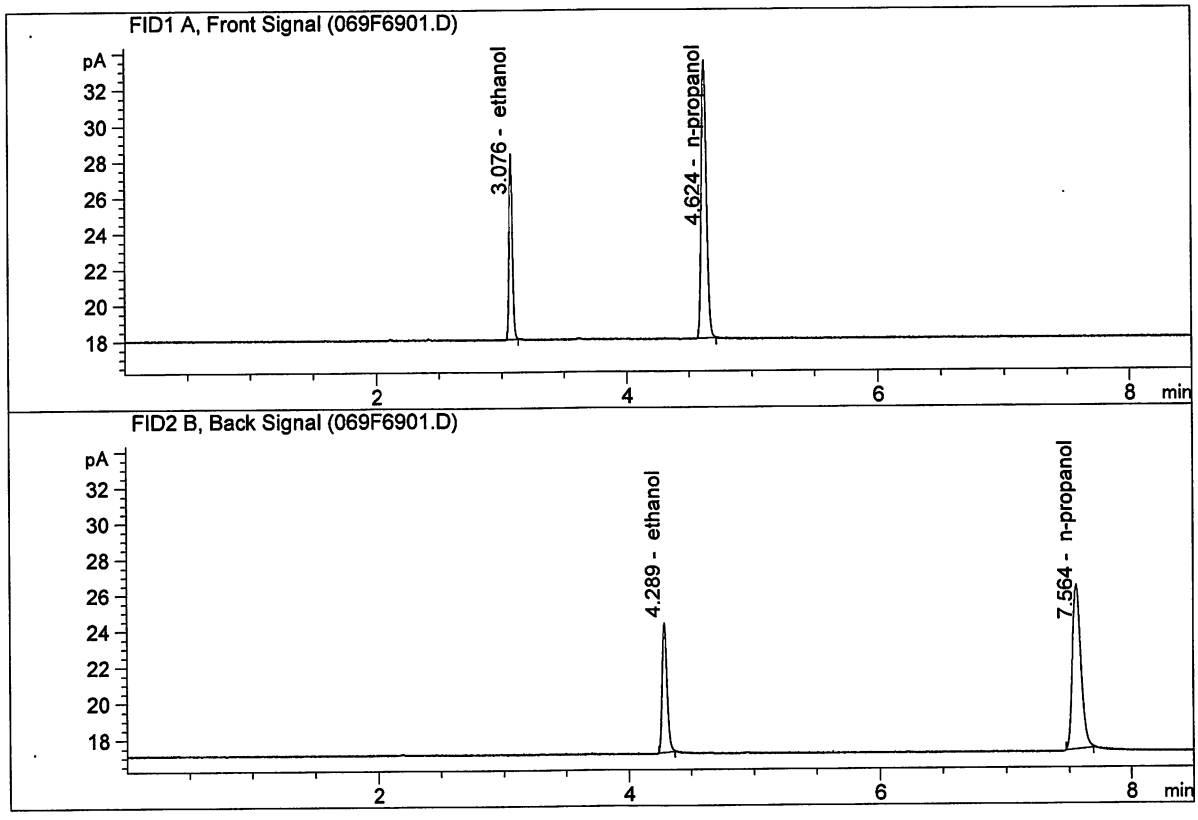
**Reported Result**

**0.205**

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

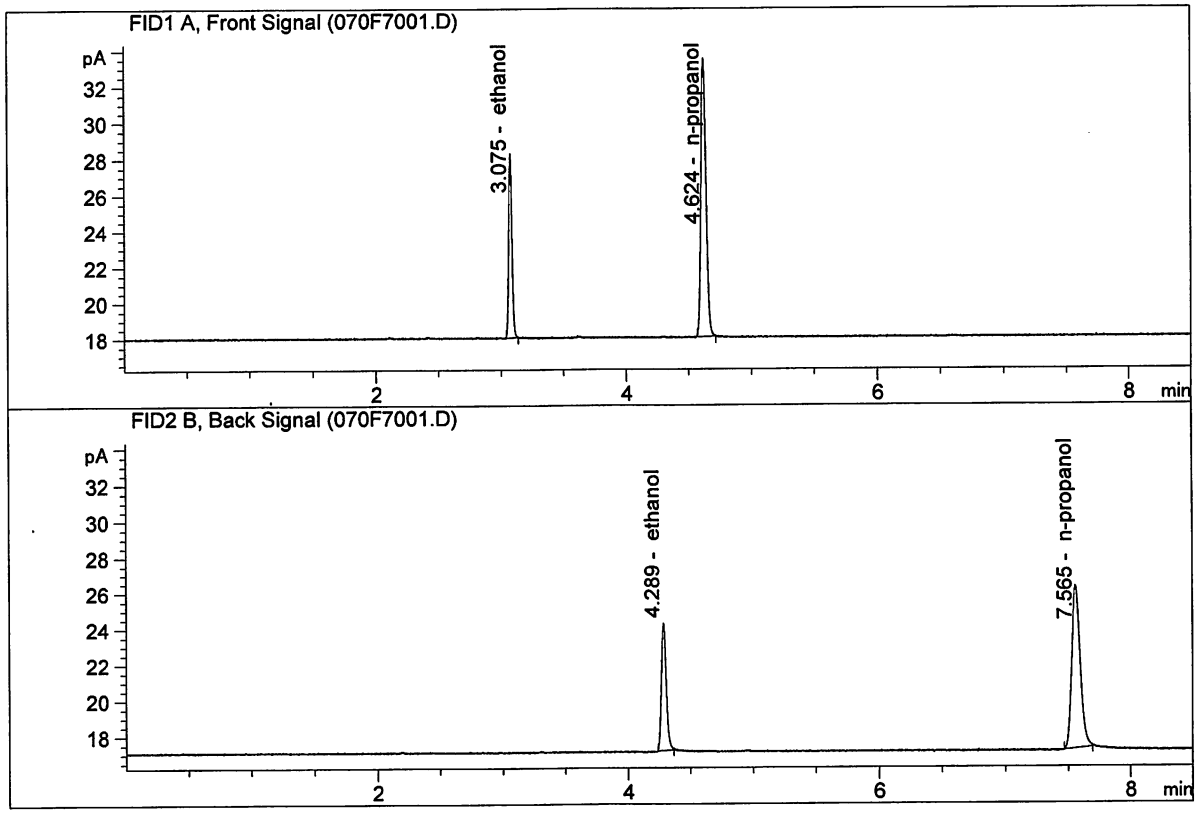



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.71468 | 0.2067 | g/100cc |
| 2. | Ethanol | Column 2: | 19.09993 | 0.2051 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.89856 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.64743 | 1.0000 | g/100cc |

JG

ISP Forensic Services Blood Alcohol Report

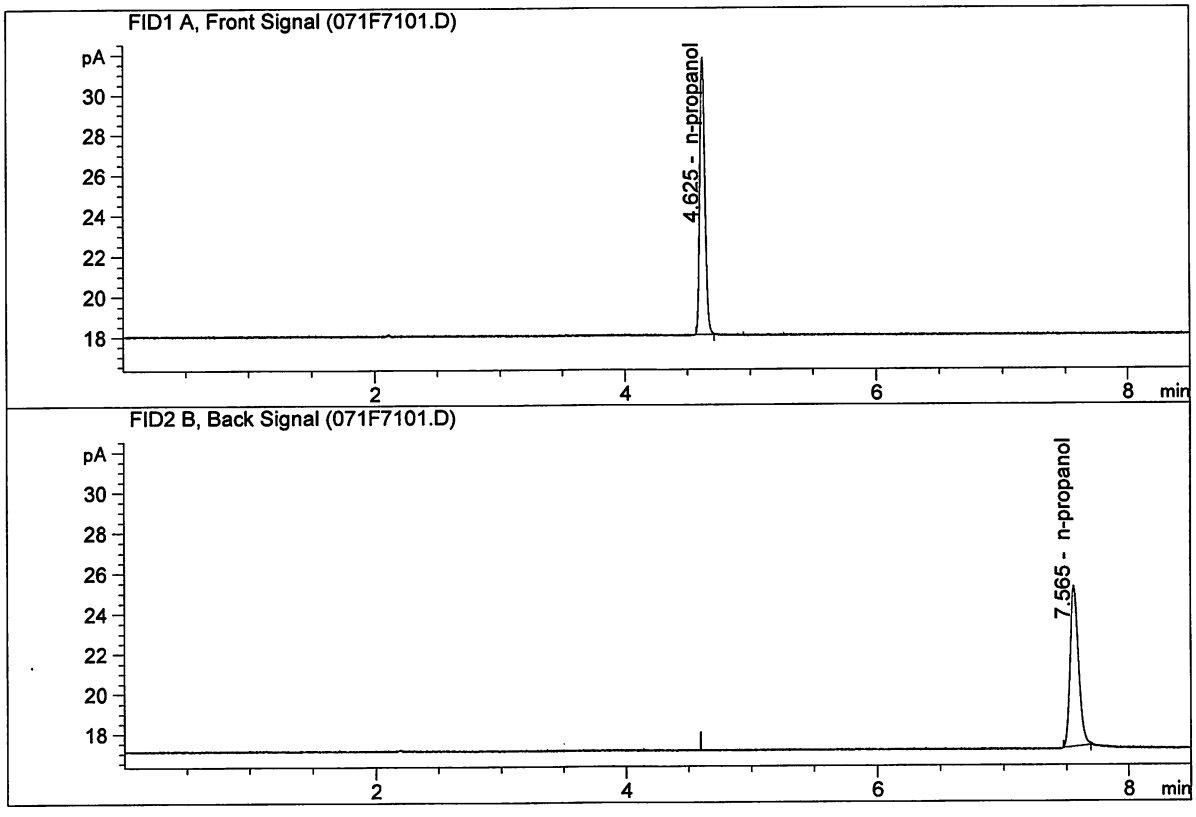
Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.64259 | 0.2059 | g/100cc |
| 2. | Ethanol | Column 2: | 18.98497 | 0.2033 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.90701 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.79027 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Aug 10, 2017
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: | 38.94021 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 38.58802 | 1.0000 | g/100cc |

JG

# Sample Summary

Sequence table: C:\Chem32\1\Data\08-09-17_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\08-09-17_SAMPLES.S
Data directory path: C:\Chem32\1\Data\08-09-17_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\
Logbook: C:\Chem32\1\Data\08-09-17_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\08-09-17_SAMPLES.LOG
Sequence start: 8/9/2017 4:01:20 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-09-17_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\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 FN092314 | - | 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 FN10281510- | - | 1.0000 | 005F0501.D | | 4 |
| 6 | 6 | 1 | 0.08 FN10281510- | - | 1.0000 | 006F0601.D | | 4 |
| 7 | 7 | 1 | M2017-3421-1-A | - | 1.0000 | 007F0701.D | | 4 |
| 8 | 8 | 1 | M2017-3421-1-B | - | 1.0000 | 008F0801.D | | 4 |
| 9 | 9 | 1 | M2017-3454-1-A | - | 1.0000 | 009F0901.D | | 4 |
| 10 | 10 | 1 | M2017-3454-1-B | - | 1.0000 | 010F1001.D | | 4 |
| 11 | 11 | 1 | M2017-3460-1-A | - | 1.0000 | 011F1101.D | | 4 |
| 12 | 12 | 1 | M2017-3460-1-B | - | 1.0000 | 012F1201.D | | 4 |
| 13 | 13 | 1 | M2017-3466-1-A | - | 1.0000 | 013F1301.D | | 2 |
| 14 | 14 | 1 | M2017-3466-1-B | - | 1.0000 | 014F1401.D | | 2 |
| 15 | 15 | 1 | M2017-3469-1-A | - | 1.0000 | 015F1501.D | | 2 |
| 16 | 16 | 1 | M2017-3469-1-B | - | 1.0000 | 016F1601.D | | 2 |
| 17 | 17 | 1 | M2017-3485-1-A | - | 1.0000 | 017F1701.D | | 4 |
| 18 | 18 | 1 | M2017-3485-1-B | - | 1.0000 | 018F1801.D | | 4 |
| 19 | 19 | 1 | M2017-3487-1-A | - | 1.0000 | 019F1901.D | | 4 |
| 20 | 20 | 1 | M2017-3487-1-B | - | 1.0000 | 020F2001.D | | 4 |
| 21 | 21 | 1 | M2017-3488-1-A | - | 1.0000 | 021F2101.D | | 2 |
| 22 | 22 | 1 | M2017-3488-1-B | - | 1.0000 | 022F2201.D | | 2 |
| 23 | 23 | 1 | M2017-3489-1-A | - | 1.0000 | 023F2301.D | | 4 |
| 24 | 24 | 1 | M2017-3489-1-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 | M2017-3491-1-A | - | 1.0000 | 027F2701.D | | 4 |
| 28 | 28 | 1 | M2017-3491-1-B | - | 1.0000 | 028F2801.D | | 4 |
| 29 | 29 | 1 | M2017-3495-1-A | - | 1.0000 | 029F2901.D | | 4 |
| 30 | 30 | 1 | M2017-3495-1-B | - | 1.0000 | 030F3001.D | | 4 |
| 31 | 31 | 1 | M2017-3496-1-A | - | 1.0000 | 031F3101.D | | 4 |
| 32 | 32 | 1 | M2017-3496-1-B | - | 1.0000 | 032F3201.D | | 4 |
| 33 | 33 | 1 | M2017-3497-1-A | - | 1.0000 | 033F3301.D | | 4 |
| 34 | 34 | 1 | M2017-3497-1-B | - | 1.0000 | 034F3401.D | | 4 |
| 35 | 35 | 1 | M2017-3498-1-A | - | 1.0000 | 035F3501.D | | 4 |
| 36 | 36 | 1 | M2017-3498-1-B | - | 1.0000 | 036F3601.D | | 4 |
| 37 | 37 | 1 | M2017-3499-1-A | - | 1.0000 | 037F3701.D | | 4 |
| 38 | 38 | 1 | M2017-3499-1-B | - | 1.0000 | 038F3801.D | | 4 |
| 39 | 39 | 1 | M2017-3500-1-A | - | 1.0000 | 039F3901.D | | 4 |
| 40 | 40 | 1 | M2017-3500-1-B | - | 1.0000 | 040F4001.D | | 4 |
| 41 | 41 | 1 | M2017-3501-1-A | - | 1.0000 | 041F4101.D | | 4 |
| 42 | 42 | 1 | M2017-3501-1-B | - | 1.0000 | 042F4201.D | | 4 |
| 43 | 43 | 1 | M2017-3502-1-A | - | 1.0000 | 043F4301.D | | 2 |

Sequence File C:\Chem32\...7_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\08-09-17_SAMPLES.S

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 44 | 44 | 1 | M2017-3502-1-B | - | 1.0000 | 044F4401.D | 2 |
| 45 | 45 | 1 | M2017-3503-1-A | - | 1.0000 | 045F4501.D | 4 |
| 46 | 46 | 1 | M2017-3503-1-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 | M2017-3513-1-A | - | 1.0000 | 049F4901.D | 4 |
| 50 | 50 | 1 | M2017-3513-1-B | - | 1.0000 | 050F5001.D | 4 |
| 51 | 51 | 1 | M2017-3528-1-A | - | 1.0000 | 051F5101.D | 4 |
| 52 | 52 | 1 | M2017-3528-1-B | - | 1.0000 | 052F5201.D | 4 |
| 53 | 53 | 1 | M2017-3529-1-A | - | 1.0000 | 053F5301.D | 4 |
| 54 | 54 | 1 | M2017-3529-1-B | - | 1.0000 | 054F5401.D | 4 |
| 55 | 55 | 1 | M2017-3530-1-A | - | 1.0000 | 055F5501.D | 4 |
| 56 | 56 | 1 | M2017-3530-1-B | - | 1.0000 | 056F5601.D | 4 |
| 57 | 57 | 1 | M2017-3532-1-A | - | 1.0000 | 057F5701.D | 2 |
| 58 | 58 | 1 | M2017-3532-1-B | - | 1.0000 | 058F5801.D | 2 |
| 59 | 59 | 1 | M2017-3537-1-A | - | 1.0000 | 059F5901.D | 4 |
| 60 | 60 | 1 | M2017-3537-1-B | - | 1.0000 | 060F6001.D | 4 |
| 61 | 61 | 1 | M2017-3538-2-A | - | 1.0000 | 061F6101.D | 2 |
| 62 | 62 | 1 | M2017-3538-2-B | - | 1.0000 | 062F6201.D | 2 |
| 63 | 63 | 1 | M2017-3562-1-A | - | 1.0000 | 063F6301.D | 2 |
| 64 | 64 | 1 | M2017-3562-1-B | - | 1.0000 | 064F6401.D | 2 |
| 65 | 65 | 1 | M2017-3610-1-A | - | 1.0000 | 065F6501.D | 2 |
| 66 | 66 | 1 | M2017-3610-1-B | - | 1.0000 | 066F6601.D | 2 |
| 67 | 67 | 1 | M2017-3610-2-A | - | 1.0000 | 067F6701.D | 2 |
| 68 | 68 | 1 | M2017-3610-2-B | - | 1.0000 | 068F6801.D | 2 |
| 69 | 69 | 1 | QC2-2-A | - | 1.0000 | 069F6901.D | 4 |
| 70 | 70 | 1 | QC2-2-B | - | 1.0000 | 070F7001.D | 4 |
| 71 | 71 | 1 | INTERNAL STD BLK | - | 1.0000 | 071F7101.D | 2 |

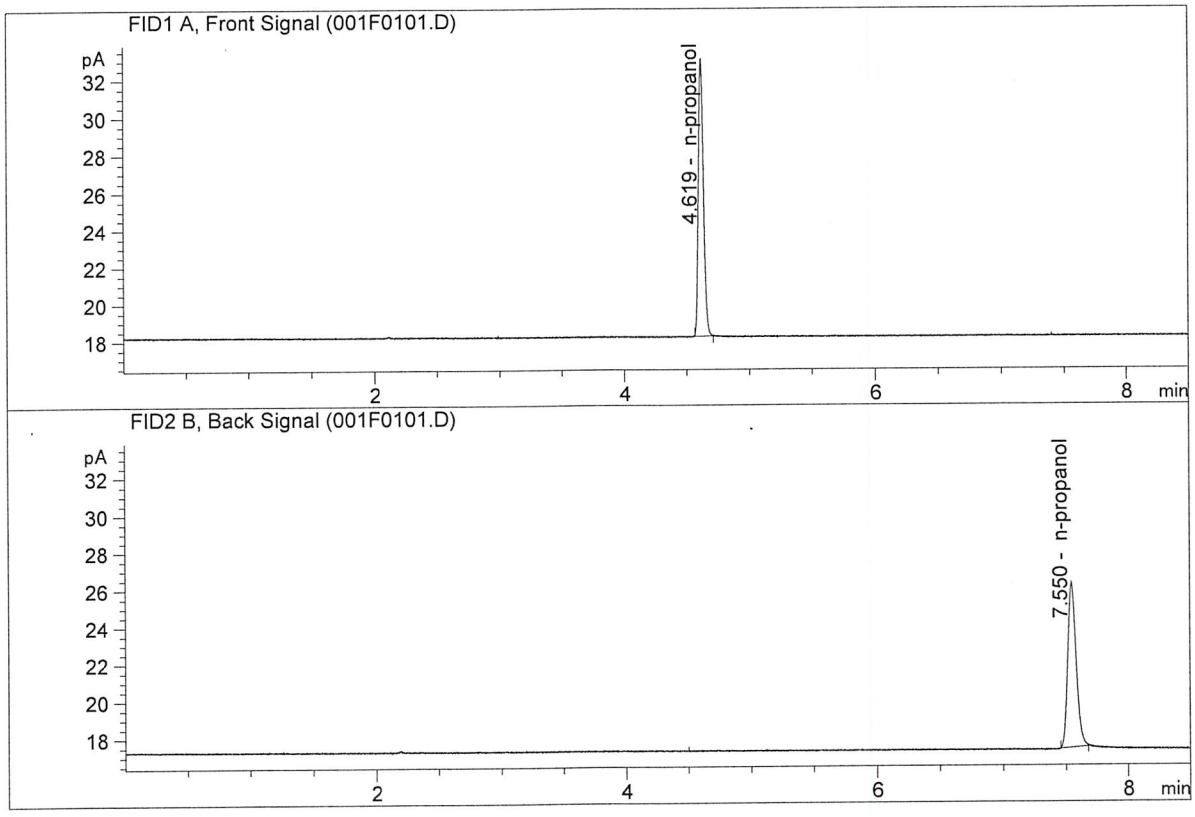
Method file name: C:\Chem32\1\Data\08-09-17_SAMPLES\08-09-17_SAMPLES 2017-08-09 15-46-30\SHUTDOWN.M

| Run # | Location # | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 72 | 72 | 1 | EMPTY | - | 1.0000 | 072F7201.D | 0 |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

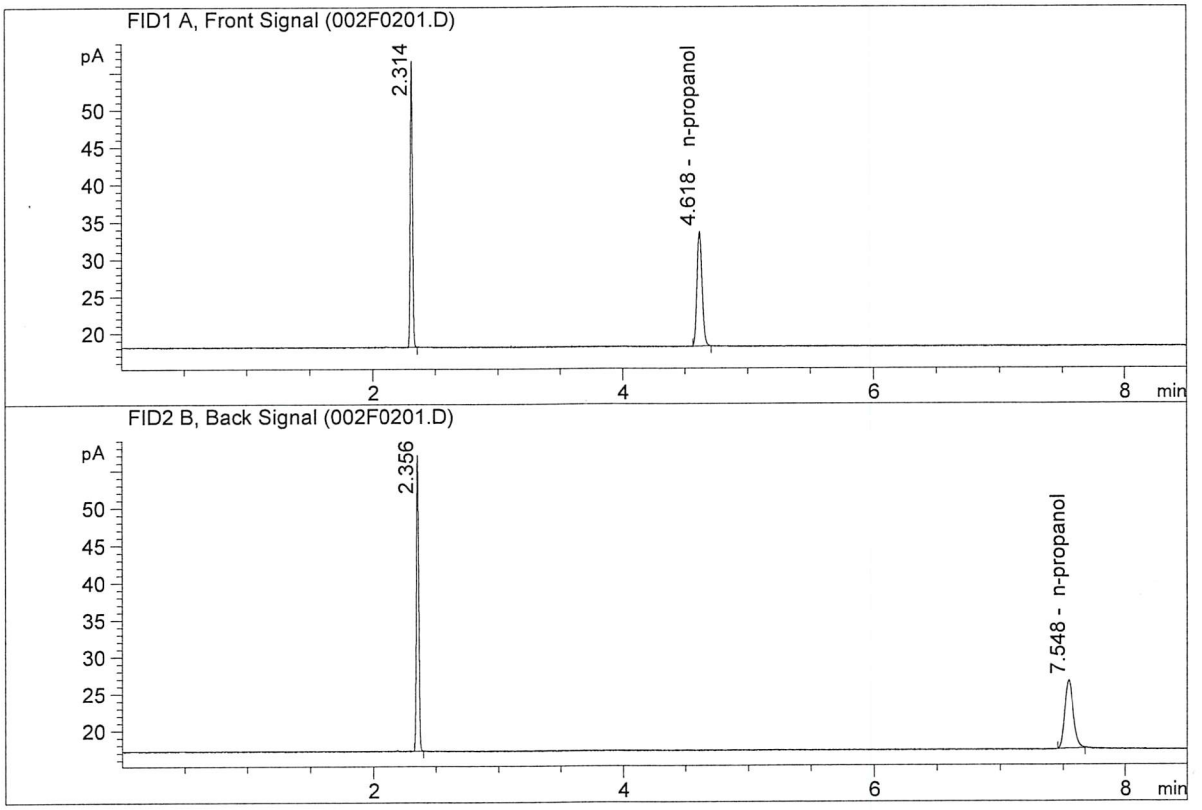



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.20534 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.96010 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

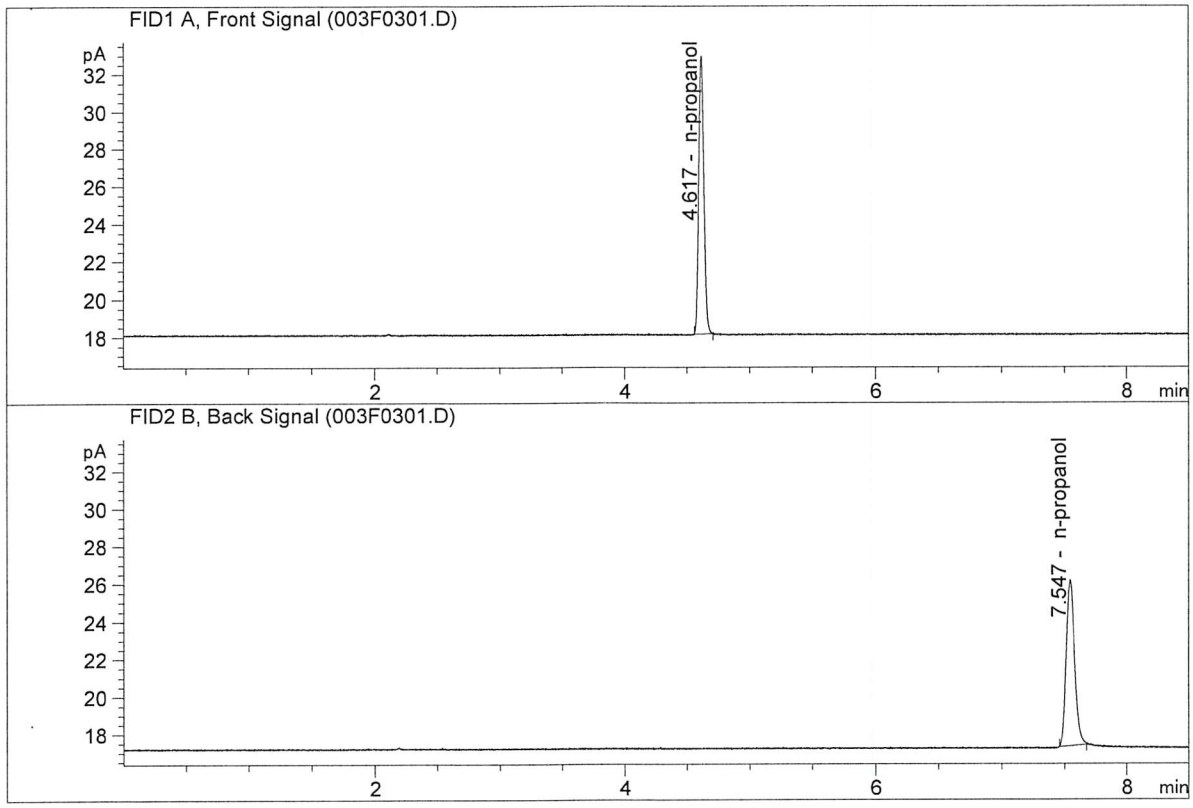



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.89566 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 44.55858 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

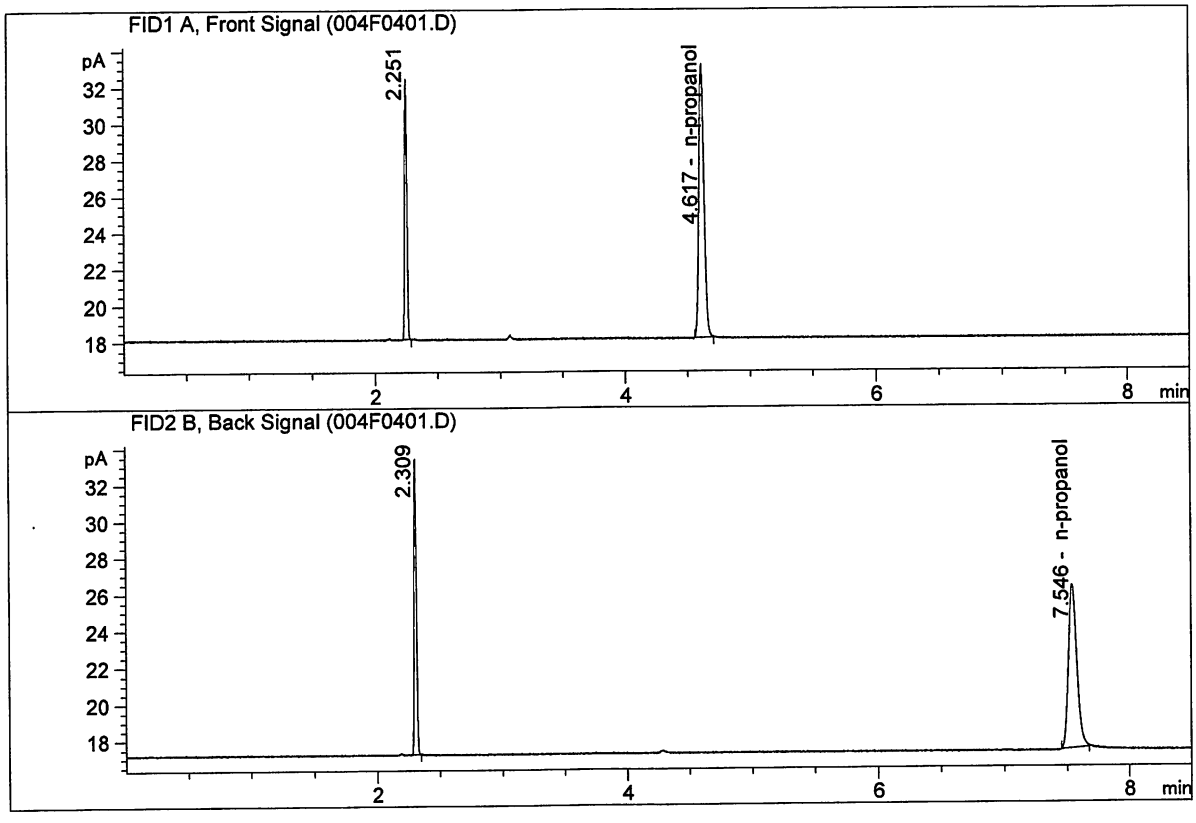



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.17191 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.51676 | 1.0000 | g/100cc |

JG

# ISP Forensic Services Blood Alcohol Report

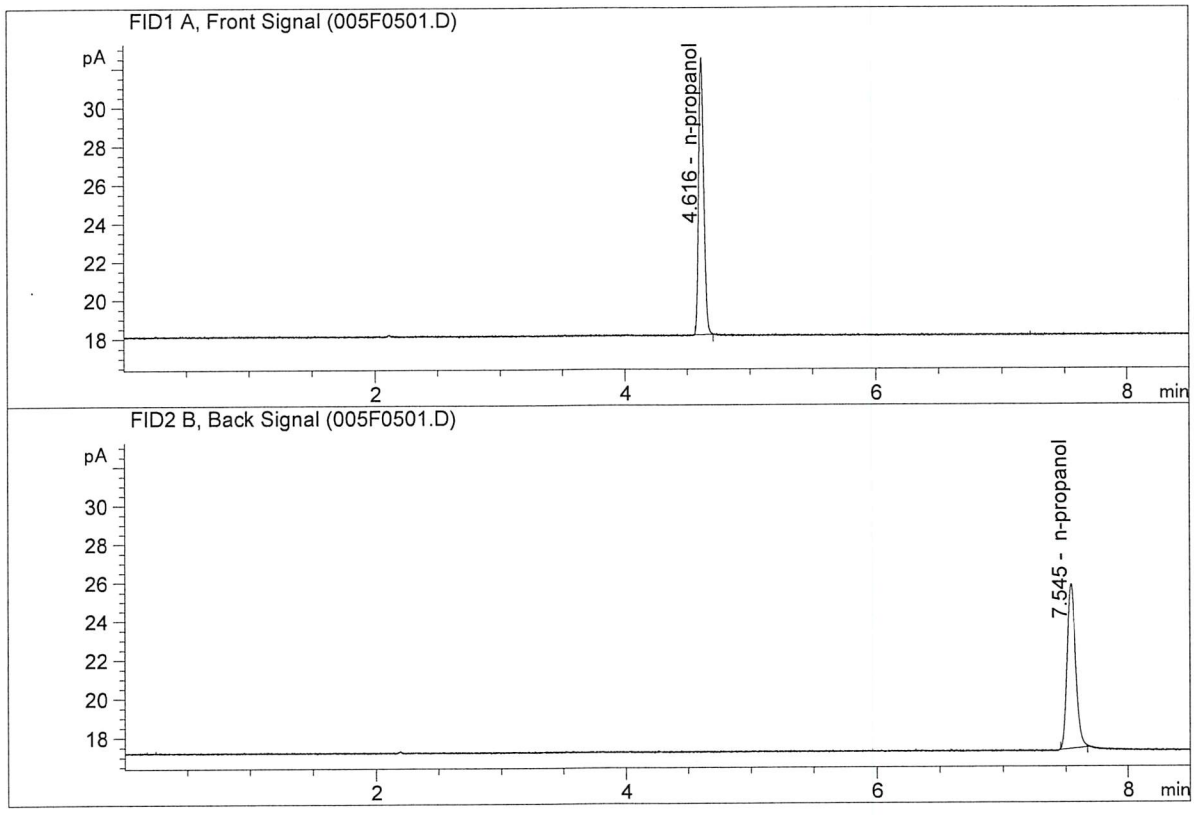
Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 42.71392 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 43.08309 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

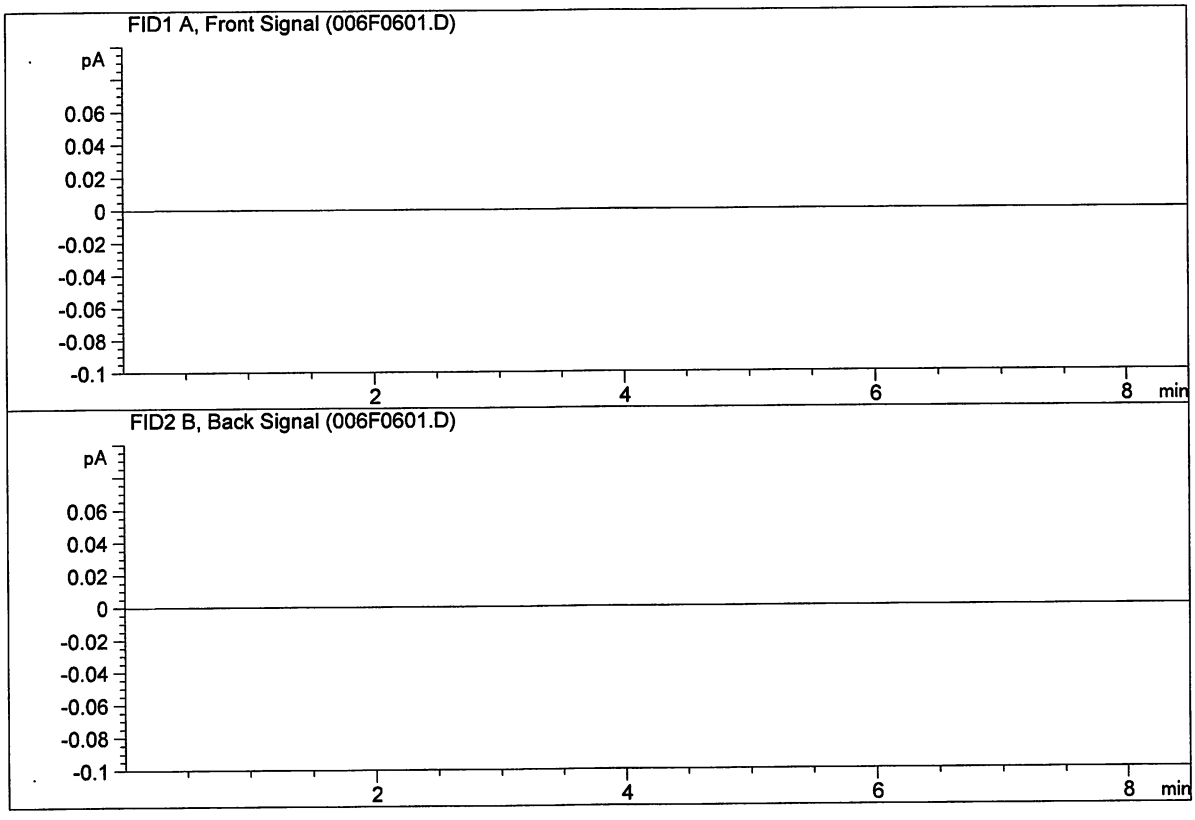
Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Aug 10, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | 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: | 40.71874 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 40.91296 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : EMPTY
Laboratory : Meridian
Injection Date : Aug 10, 2017
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 |

JG

Sequence File C:\Chem32\...0-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\08-10-17_TFEDFE.S

## Sample Summary

Sequence table: C:\Chem32\1\Data\08-10-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\08-1-17_TFEDFE.S
Data directory path: C:\Chem32\1\Data\08-10-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\
Logbook: C:\Chem32\1\Data\08-10-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\08-1-17_TFEDFE.LOG
Sequence start: 8/10/2017 9:57:08 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\08-10-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\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 111914OM | - | 1.0000 | 002F0201.D | | 2 |
| 3 | 3 | 1 | INTERNAL STD BLK | - | 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\08-10-17_TFEDFE\08-10-17_TFEDFE 2017-08-10 09-42-31\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 |

JB

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

## Calibration Table

### General Calibration Setting

Calib. Data Modified : Friday, July 28, 2017 5:19:04 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

| 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 |
| 3.072 | 1 | 1 | 5.00000e-2 | 4.15686 | 1.20283e-2 | No | No | 1 | ethanol |
| | | 2 | 1.00000e-1 | 8.83903 | 1.13135e-2 | | | | |
| | | 3 | 2.00000e-1 | 17.42372 | 1.14786e-2 | | | | |
| | | 4 | 3.00000e-1 | 26.42389 | 1.13534e-2 | | | | |
| | | 5 | 5.00000e-1 | 44.70821 | 1.11836e-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 |
| 4.281 | 2 | 1 | 5.00000e-2 | 4.14199 | 1.20715e-2 | No | No | 2 | ethanol |
| | | 2 | 1.00000e-1 | 8.99071 | 1.11226e-2 | | | | |
| | | 3 | 2.00000e-1 | 17.67384 | 1.13162e-2 | | | | |
| | | 4 | 3.00000e-1 | 27.19286 | 1.10323e-2 | | | | |
| | | 5 | 5.00000e-1 | 46.60862 | 1.07276e-2 | | | | |
| 4.308 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | acetone |
| 4.618 | 1 | 1 | 1.00000 | 41.38816 | 2.41615e-2 | No | Yes | 1 | n-propanol |
| | | 2 | 1.00000 | 42.32526 | 2.36266e-2 | | | | |
| | | 3 | 1.00000 | 42.34534 | 2.36154e-2 | | | | |
| | | 4 | 1.00000 | 42.75248 | 2.33905e-2 | | | | |
| | | 5 | 1.00000 | 43.24996 | 2.31214e-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 | 41.38725 | 2.41620e-2 | No | Yes | 2 | n-propanol |
| | | 2 | 1.00000 | 42.23607 | 2.36764e-2 | | | | |
| | | 3 | 1.00000 | 42.03184 | 2.37915e-2 | | | | |
| | | 4 | 1.00000 | 42.44508 | 2.35599e-2 | | | | |
| | | 5 | 1.00000 | 42.93748 | 2.32897e-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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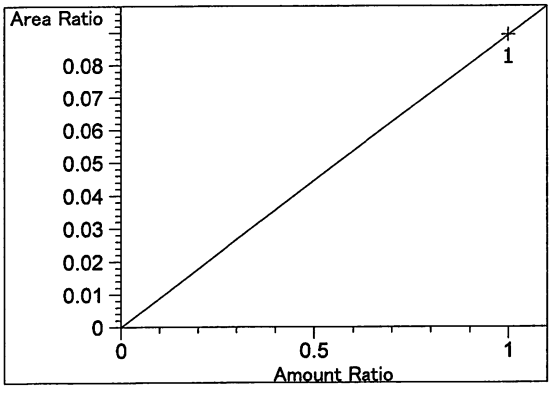
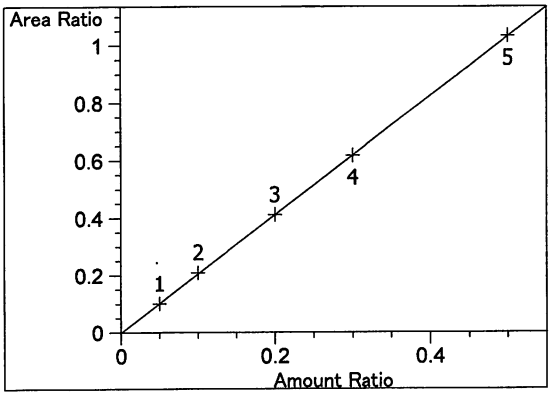
Calibration Curves

==========

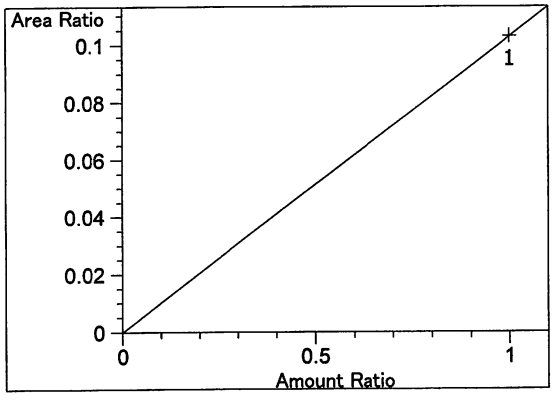



methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.93177e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

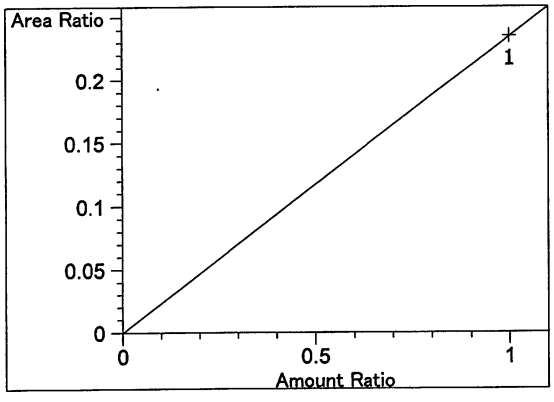
JG



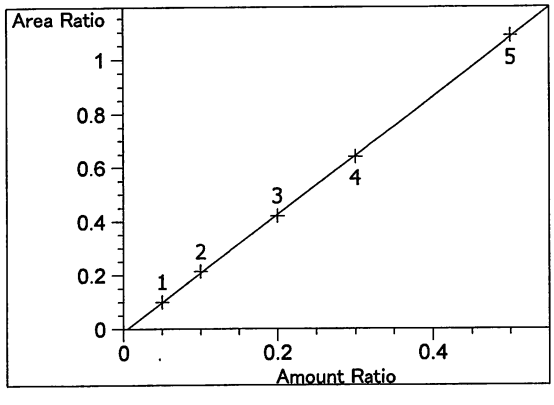

ethanol at exp. RT: 3.072
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00234
Formula: y = mx + b
m: 2.06873
b: -1.30283e-3
x: Amount Ratio
y: Area Ratio




methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.02945e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

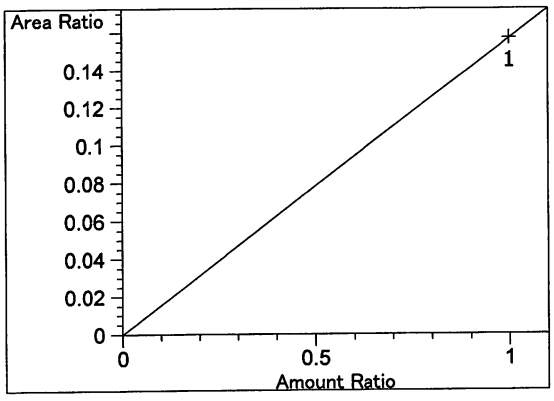



isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.35105e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

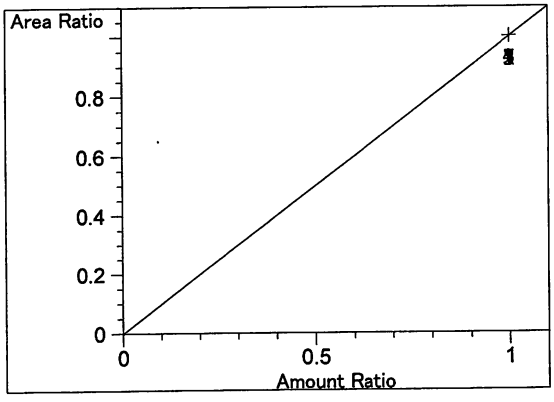



ethanol at exp. RT: 4.281
FID2 B, Back Signal
Correlation: 0.99992
Residual Std. Dev.: 0.00556
Formula: y = mx + b
m: 2.18460
b: -1.05404e-2
x: Amount Ratio
y: Area Ratio

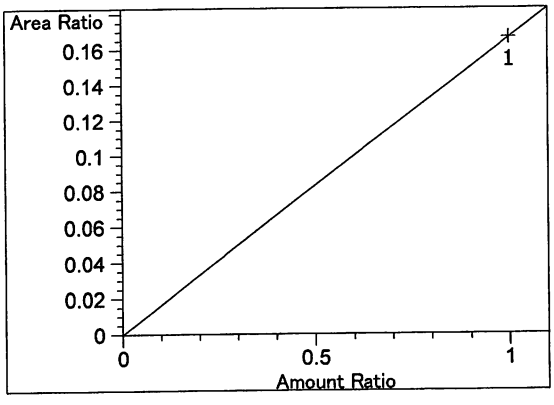
JG



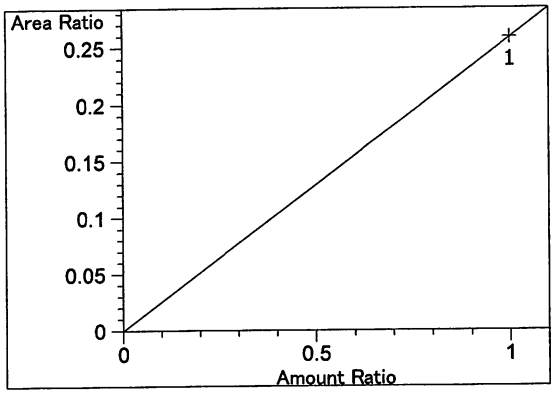

acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.57035e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



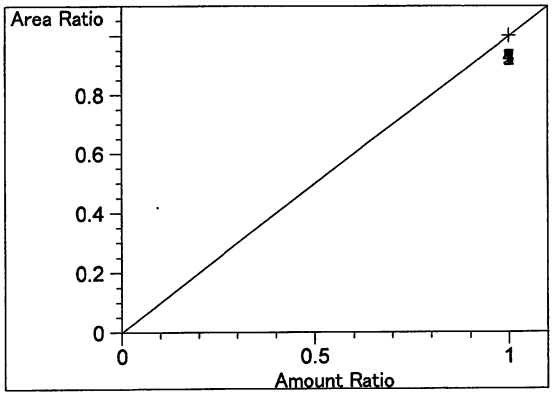

n-propanol at exp. RT: 4.618
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio




acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.66549e-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: 2.58689e-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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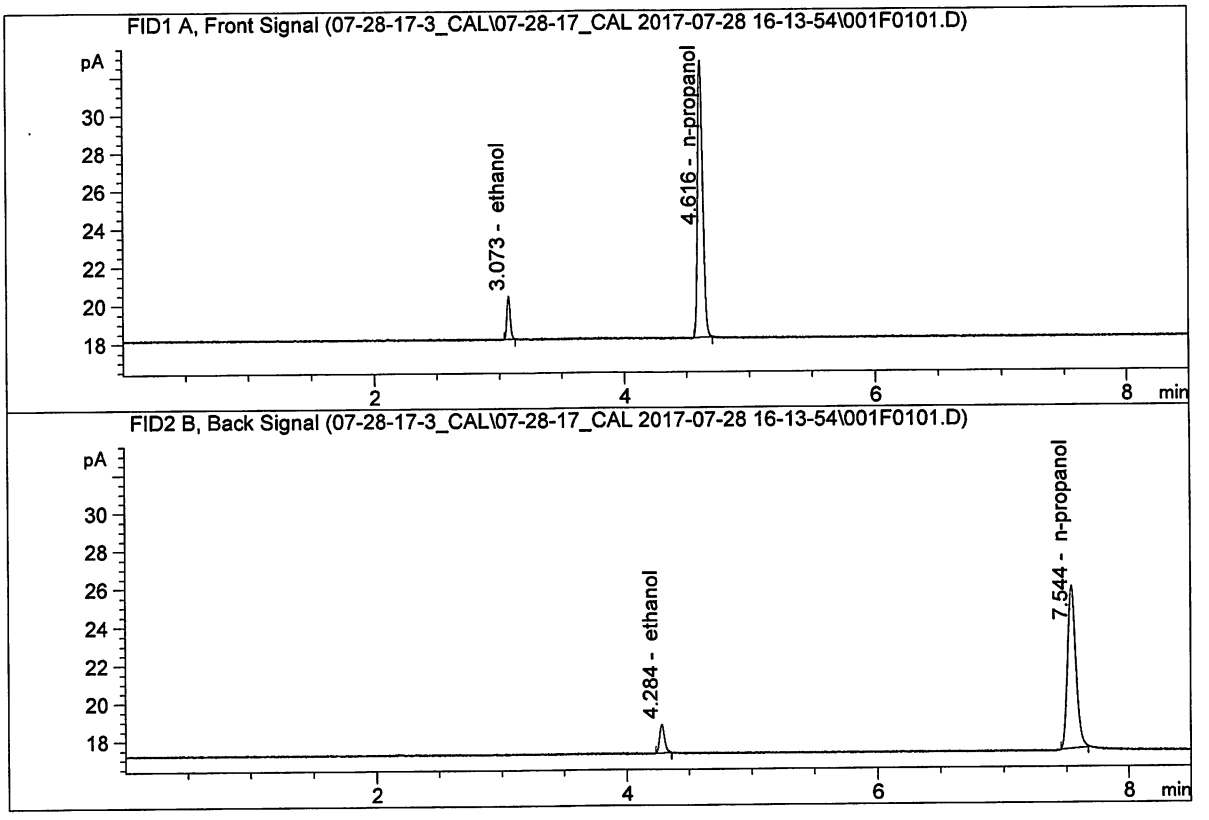
JG

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Jul 28, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 4.15686 | 0.0492 | g/100cc |
| 2. | Ethanol | Column 2: | 4.14199 | 0.0506 | g/100cc |
| 3. | n-Propanol | Column 1: | 41.38816 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 41.38725 | 1.0000 | g/100cc |

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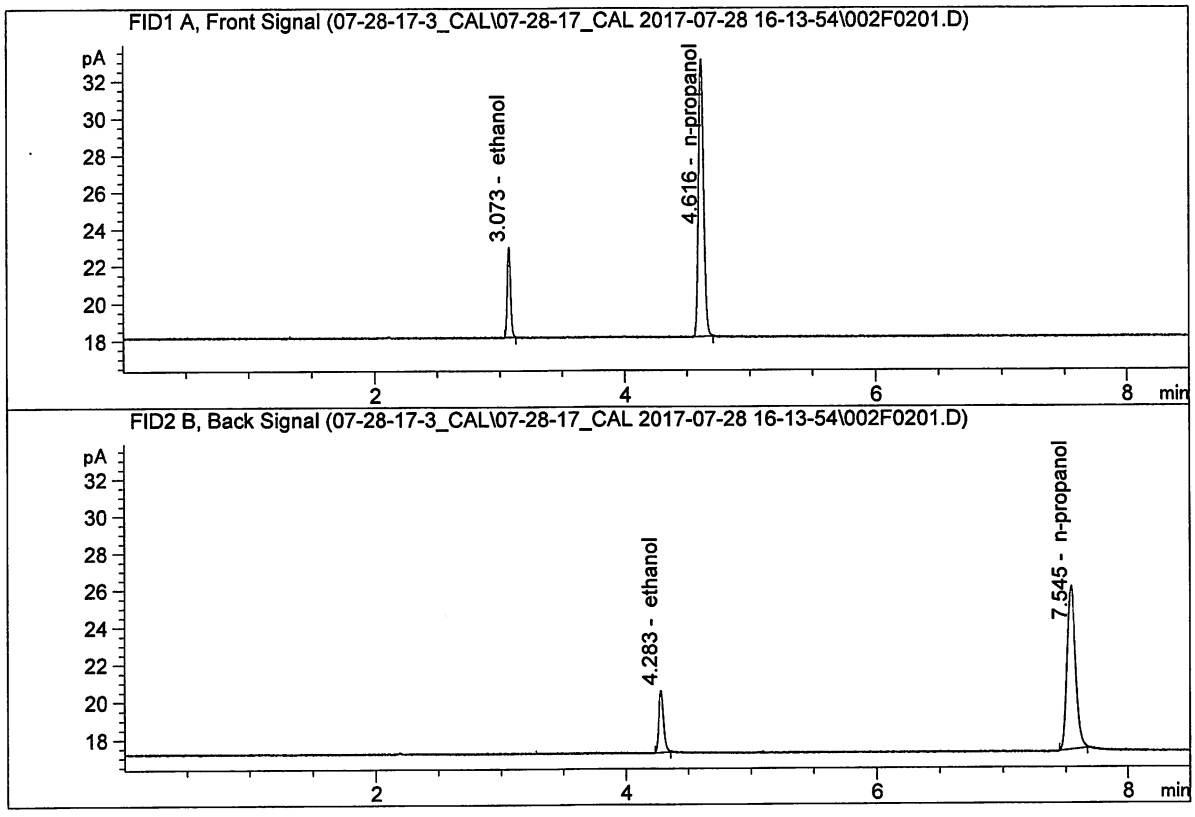
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : Jul 28, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

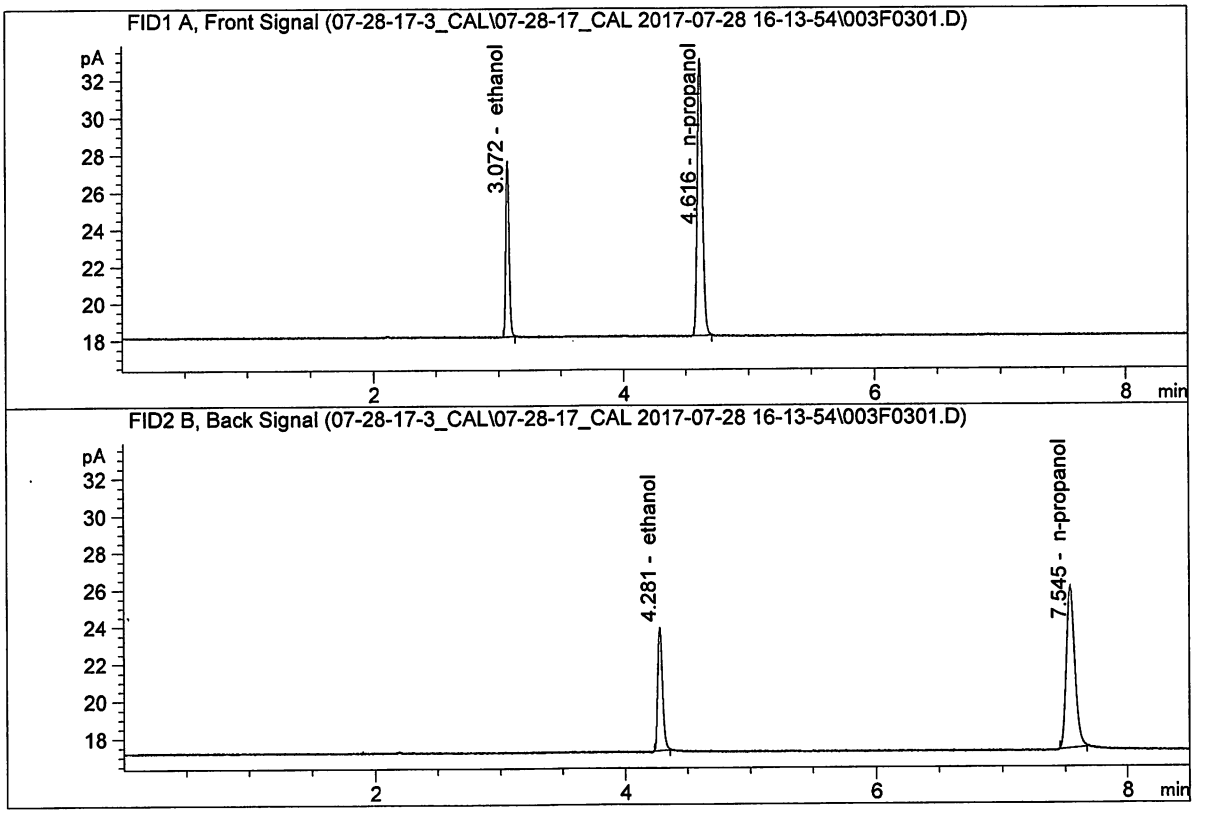



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 8.83903 | 0.1016 | g/100cc |
| 2. | Ethanol | Column 2: | 8.99071 | 0.1023 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.32526 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.23607 | 1.0000 | g/100cc |

JC

# ISP Forensic Services Blood Alcohol Report

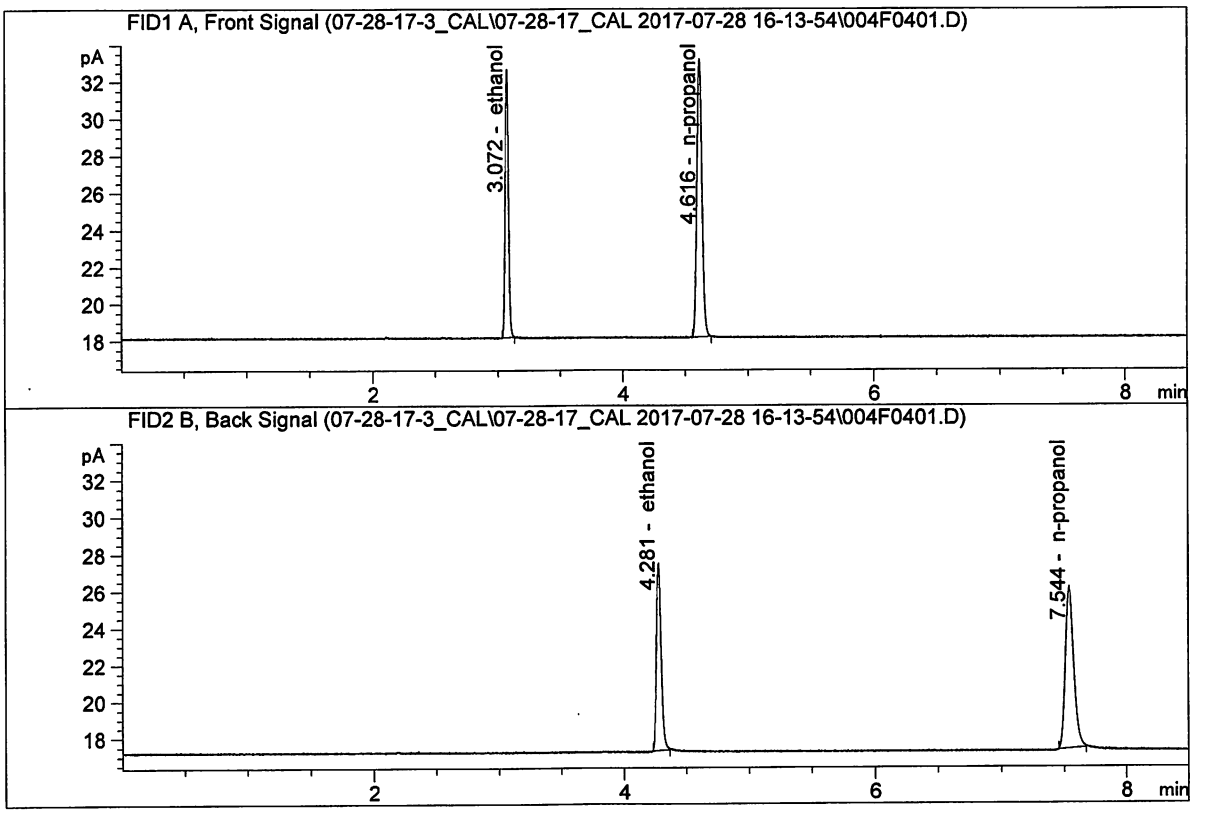
Sample Name : 0.200 FN07201502
Laboratory : Meridian
Injection Date : Jul 28, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 17.42372 | 0.1995 | g/100cc |
| 2. | Ethanol | Column 2: | 17.67384 | 0.1973 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.34534 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.03184 | 1.0000 | g/100cc |

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : Jul 28, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 26.42389 | 0.2994 | g/100cc |
| 2. | Ethanol | Column 2: | 27.19286 | 0.2981 | g/100cc |
| 3. | n-Propanol | Column 1: | 42.75248 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.44508 | 1.0000 | g/100cc |

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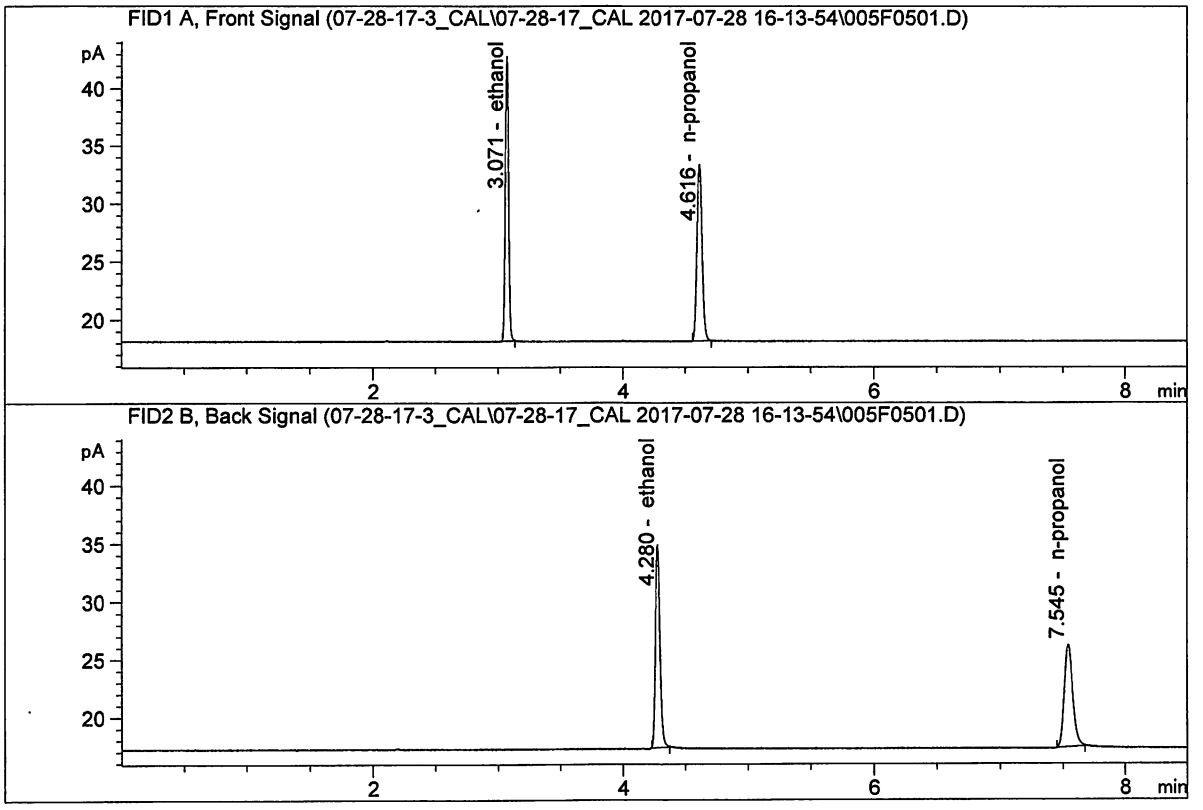
# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Jul 28, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 44.70821 | 0.5003 | g/100cc |
| 2. | Ethanol | Column 2: | 46.60862 | 0.5017 | g/100cc |
| 3. | n-Propanol | Column 1: | 43.24996 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 42.93748 | 1.0000 | g/100cc |

JC

# Sample Summary

Sequence table: C:\Chem32\1\Data\07-28-17-3_CAL\07-28-17_CAL 2017-07-28 16-13-54\07-28-17 CAL.S
Data directory path: C:\Chem32\1\Data\07-28-17-3_CAL\07-28-17_CAL 2017-07-28 16-13-54\
Logbook: C:\Chem32\1\Data\07-28-17-3_CAL\07-28-17_CAL 2017-07-28 16-13-54\07-28-17 CAL.LOG
Sequence start: 7/28/2017 4:28:32 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\07-28-17-3_CAL\07-28-17_CAL 2017-07-28 16-13-54\ALCOHOL.

| 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 FN06181501 | - | 1.0000 | 002F0201.D | * | 4 |
| 3 | 3 | 1 | 0.200 FN07201502 | - | 1.0000 | 003F0301.D | * | 4 |
| 4 | 4 | 1 | 0.300 FN02121601 | - | 1.0000 | 004F0401.D | * | 4 |
| 5 | 5 | 1 | 0.500 FN07031402 | - | 1.0000 | 005F0501.D | * | 4 |
| 6 | 6 | 1 | INTERNAL STANDAR | - | 1.0000 | 006F0601.D | | 2 |

New Master Method Saved
C:\Chem32\1\methods\alcohol.m

Calibration data updated 7/28/17

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