9/23/2019

**Worklist: 3706**

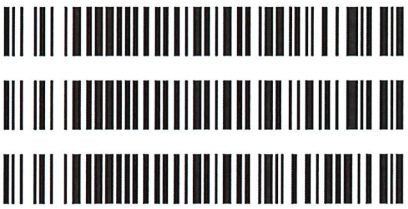
| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| P2019-2656 | 1 | 161914 | Alcohol Analysis |
| P2019-2661 | 1 | 162030 | Alcohol Analysis |
| P2019-2672 | 1 | 162054 | Alcohol Analysis |
| P2019-2688 | 1 | 162196 | Alcohol Analysis |
| P2019-2689 | 1 | 162200 | Alcohol Analysis |
| P2019-2709 | 1 | 162256 | Alcohol Analysis |
| P2019-2711 | 1 | 162260 | Alcohol Analysis |
| P2019-2724 | 1 | 162316 | Alcohol Analysis |
| P2019-2725 | 1 | 162317 | Alcohol Analysis |
| P2019-2726 | 1 | 162321 | Alcohol Analysis |
| P2019-2733 | 1 | 162331 | Alcohol Analysis |
| P2019-2757 | 1 | 162501 | Alcohol Analysis |
| P2019-2770 | 1 | 162536 | Alcohol Analysis |
| P2019-2771 | 1 | 162537 | Alcohol Analysis |
| P2019-2774 | 1 | 162585 | Alcohol Analysis |
| P2019-2778 | 1 | 162630 | Alcohol Analysis |
| P2019-2803 | 1 | 162816 | Alcohol Analysis |
| P2019-2805 | 1 | 162823 | Alcohol Analysis |
| P2019-2806 | 1 | 162827 | Alcohol Analysis |
| P2019-2816 | 1 | 163118 | Alcohol Analysis |
| P2019-2817 | 1 | 163119 | Alcohol Analysis |
| P2019-2854 | 1 | 163471 | Alcohol Analysis |
| P2019-2856 | 1 | 163495 | Alcohol Analysis |



**REVIEWED**
*By Jeremy Johnston at 3:03 pm, Sep 24, 2019*

**Worklist: 3706**

| LAB_CASE | ITEM | TASK_ID | DESCRIPTION |
|---|---|---|---|
| P2019-2857 | 1 | 163499 | Alcohol Analysis |
| P2019-2873 | 1 | 163660 | Alcohol Analysis |
| P2019-2879 | 1 | 163779 | Alcohol Analysis |



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

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: MD96JF1032*

**Volatiles Quality Assurance Controls** **Run Date(s): 09/20/19**

**Calibration Curve Run Date: 09/20/19**

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | Jan-22 | 1801036 | 0.0812 | 0.0731-0.0893 | 0.0765 g/100cc |
| | | | | | 0.0793 g/100cc |
| | | | | | 0.0810 g/100cc |
| Level 2 | Mar-22 | 1803028 | 0.2035 | 0.1832-0.2238 | 0.1982 g/100cc |
| | | | | | 0.2037 g/100cc |
| | | | | | g/100cc |
| **Multi-Component mixture: Cerilliant** | | | **Lot #** | FN07101701 | |
| **Curve Fit:** | | **Column 1** | 1.00000 | **Column2** | 0.99990 |

**Ethanol Calibration Reference Material**

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0499 | 0.0470 | 0.0029 | 0.0484 |
| 100 | 0.100 | 0.090 - 0.110 | 0.0996 | 0.0950 | 0.0046 | 0.0973 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1993 | 0.1957 | 0.0036 | 0.1975 |
| 300 | 0.300 | 0.270 - 0.330 | 0.2995 | 0.2973 | 0.0022 | 0.2984 |
| 500 | 0.500 | 0.450 - 0.550 | 0.5007 | 0.5046 | 0.0039 | 0.5026 |

**Aqueous Controls**

| Control level | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|
| 80 | 0.080 | 0.076 - 0.084 | 0.077 g/100cc |

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

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

## Calibration Table

### General Calibration Setting

Calib. Data Modified : Friday, September 20, 2019 12:04:06 PM
Signals calculated separately : No

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

Curve Type : Linear
Origin : Forced
Weight : Equal

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

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

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

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

### Signal Details

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

### Overview Table

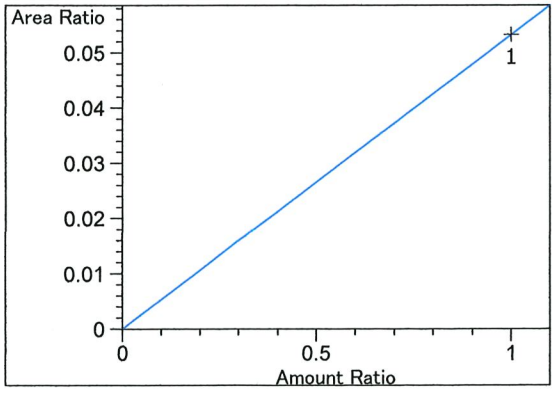
Method C:\CHEM32\1\METHODS\ALCOHOL.M

| RT | Sig | Lvl | Amount [g/100cc] | Area | Rsp.Factor | Ref | ISTD | # | Compound |
|---|---|---|---|---|---|---|---|---|---|
| 2.311 | 2 | 1 | 1.00000 | 6.45200 | 1.54991e-1 | No | No | 2 | Fluorinated ethane |
| 2.365 | 1 | 1 | 1.00000 | 1.84105 | 5.43168e-1 | No | No | 1 | Fluorinated ethane |
| 2.685 | 1 | 1 | 1.00000 | 3.69669 | 2.70512e-1 | No | No | 1 | Methanol |
| 2.950 | 2 | 1 | 1.00000 | 11.54700 | 8.66026e-2 | No | No | 2 | Acetaldehyde |
| 2.975 | 1 | 1 | 1.00000 | 10.52400 | 9.50209e-2 | No | No | 1 | Acetaldehyde |
| 3.320 | 1 | 1 | 5.00000e-2 | 11.86943 | 4.21250e-3 | No | No | 1 | Ethanol |
| | | 2 | 1.00000e-1 | 23.71001 | 4.21763e-3 | | | | |
| | | 3 | 2.00000e-1 | 47.56104 | 4.20512e-3 | | | | |
| | | 4 | 3.00000e-1 | 71.56998 | 4.19170e-3 | | | | |
| | | 5 | 5.00000e-1 | 120.80392 | 4.13894e-3 | | | | |
| 3.372 | 2 | 1 | 1.00000 | 4.26062 | 2.34707e-1 | No | No | 2 | Methanol |
| 3.993 | 1 | 1 | 1.00000 | 9.73055 | 1.02769e-1 | No | No | 1 | Isopropyl alcohol |
| 4.316 | 2 | 1 | 5.00000e-2 | 10.49741 | 4.76308e-3 | No | No | 2 | Ethanol |
| | | 2 | 1.00000e-1 | 21.19730 | 4.71758e-3 | | | | |
| | | 3 | 2.00000e-1 | 43.56061 | 4.59130e-3 | | | | |
| | | 4 | 3.00000e-1 | 66.22964 | 4.52969e-3 | | | | |
| | | 5 | 5.00000e-1 | 113.06499 | 4.42224e-3 | | | | |
| 4.704 | 2 | 1 | 1.00000 | 6.89301 | 1.45075e-1 | No | No | 2 | Acetone |
| 4.853 | 1 | 1 | 1.00000 | 6.49940 | 1.53860e-1 | No | No | 1 | Acetone |
| 5.050 | 2 | 1 | 1.00000 | 10.70642 | 9.34019e-2 | No | No | 2 | Isopropyl alcohol |
| 5.263 | 1 | 1 | 1.00000 | 127.19459 | 7.86197e-3 | No | Yes | 1 | n-Propanol |
| | | 2 | 1.00000 | 127.32814 | 7.85372e-3 | | | | |
| | | 3 | 1.00000 | 127.59464 | 7.83732e-3 | | | | |
| | | 4 | 1.00000 | 127.77700 | 7.82613e-3 | | | | |
| | | 5 | 1.00000 | 129.02829 | 7.75024e-3 | | | | |
| | | 6 | 1.00000 | 111.45872 | 8.97193e-3 | | | | |
| 7.742 | 2 | 1 | 1.00000 | 121.11684 | 8.25649e-3 | No | Yes | 2 | n-Propanol |
| | | 2 | 1.00000 | 120.83853 | 8.27551e-3 | | | | |
| | | 3 | 1.00000 | 120.59786 | 8.29202e-3 | | | | |
| | | 4 | 1.00000 | 120.68785 | 8.28584e-3 | | | | |
| | | 5 | 1.00000 | 121.39161 | 8.23780e-3 | | | | |
| | | 6 | 1.00000 | 113.50471 | 8.81021e-3 | | | | |
| 11.631 | 2 | 1 | 1.00000 | 864.84247 | 1.15628e-3 | No | No | 2 | Toluene |
| 12.229 | 1 | 1 | 1.00000 | 918.48389 | 1.08875e-3 | No | No | 1 | Toluene |

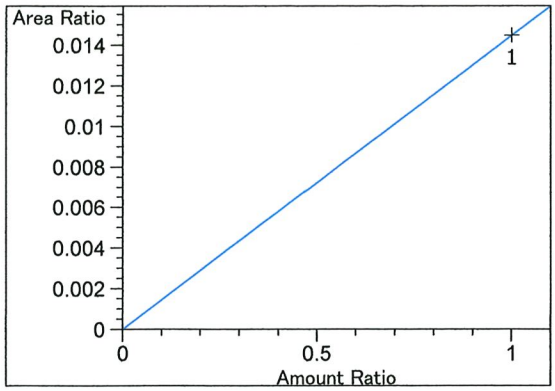
## Peak Sum Table

***No Entries in table***

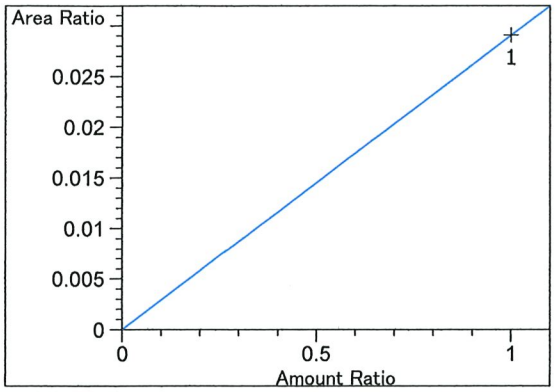
## Calibration Curves



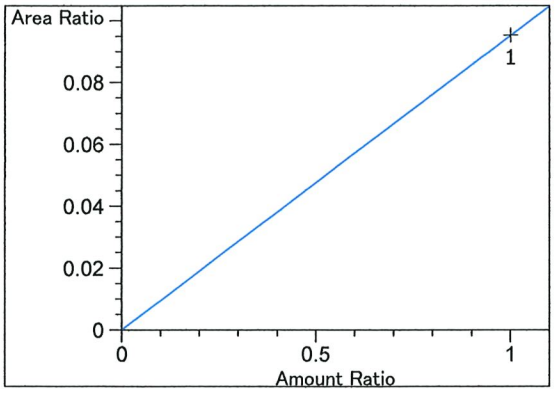

Fluorinated ethane at exp. RT: 2.311
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.32709e-2
x: Amount Ratio
y: Area Ratio



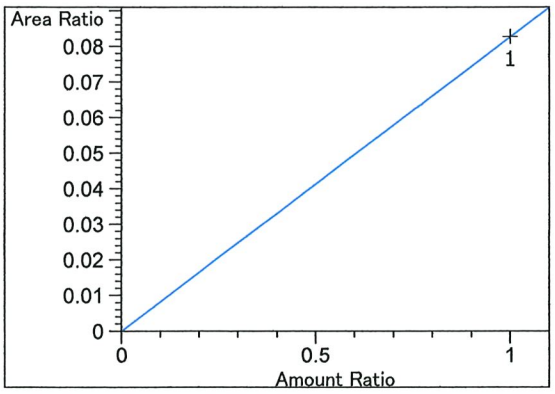

Fluorinated ethane at exp. RT: 2.365
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.44743e-2
x: Amount Ratio
y: Area Ratio




Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.90633e-2
x: Amount Ratio
y: Area Ratio

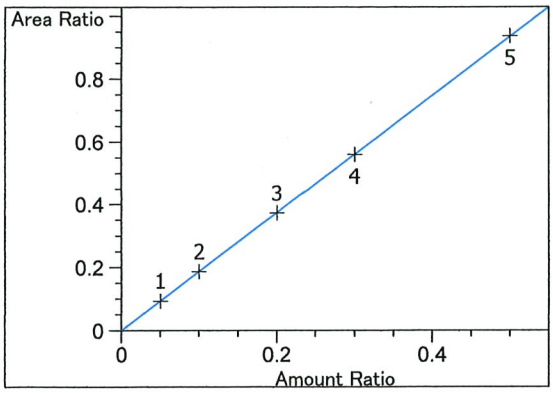



Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.53377e-2
x: Amount Ratio
y: Area Ratio

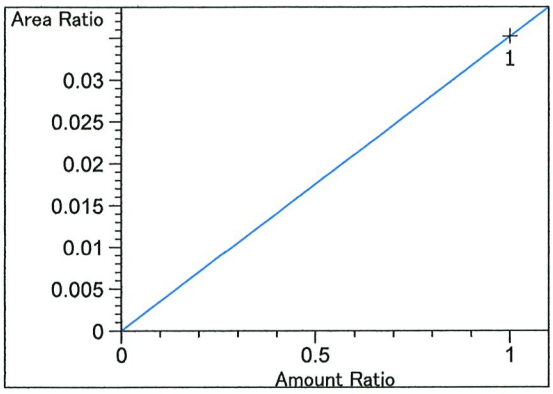



Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.27394e-2
x: Amount Ratio
y: Area Ratio

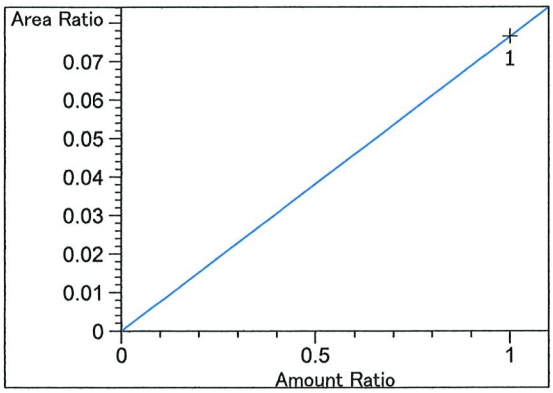
Method C:\CHEM32\1\METHODS\ALCOHOL.M



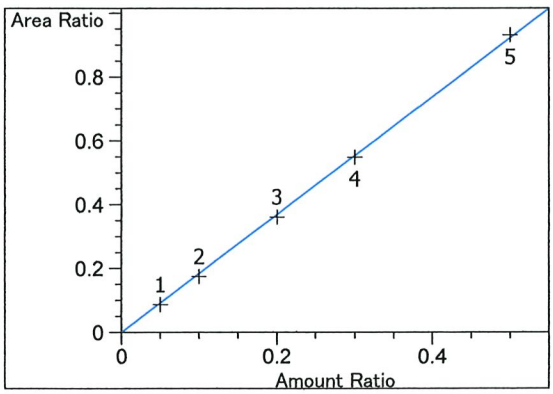

Ethanol at exp. RT: 3.320
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00107
Formula: y = mx
m: 1.87007
x: Amount Ratio
y: Area Ratio



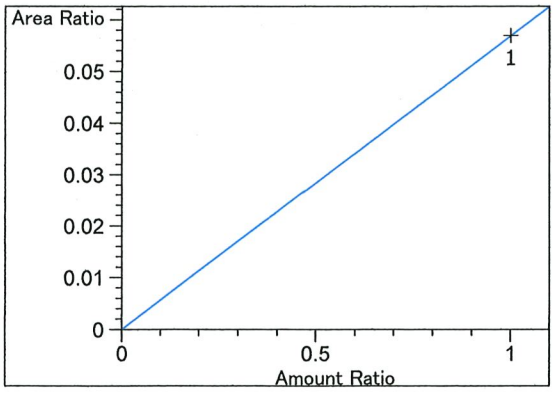

Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.51778e-2
x: Amount Ratio
y: Area Ratio



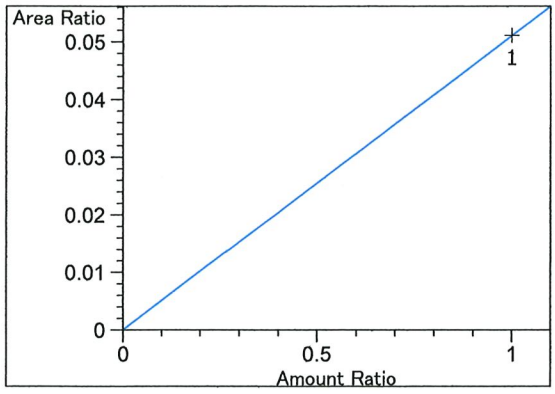

Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.65013e-2
x: Amount Ratio
y: Area Ratio



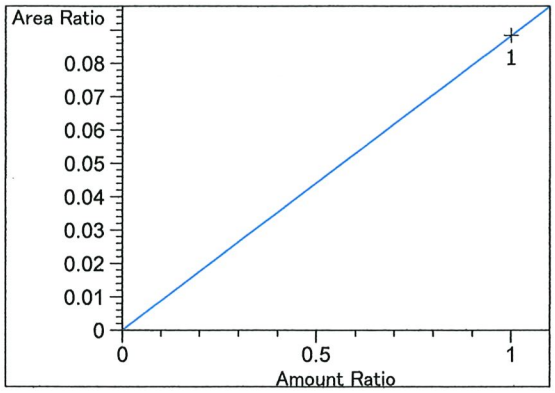

Ethanol at exp. RT: 4.316
FID2 B, Back Signal
Correlation: 0.99990
Residual Std. Dev.: 0.00830
Formula: y = mx
m: 1.84573
x: Amount Ratio
y: Area Ratio



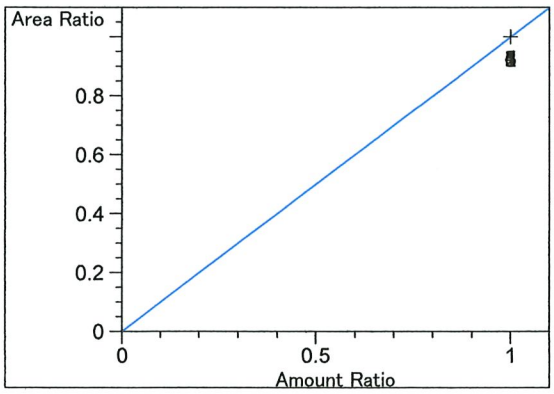

Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.69121e-2
x: Amount Ratio
y: Area Ratio



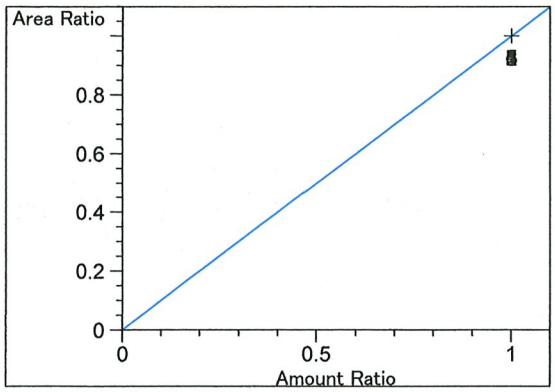

Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.10981e-2
x: Amount Ratio
y: Area Ratio



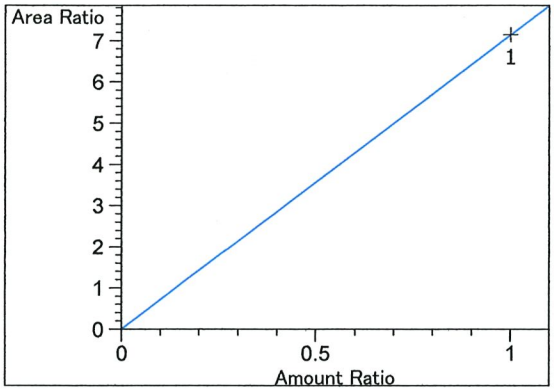

Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.83974e-2
x: Amount Ratio
y: Area Ratio



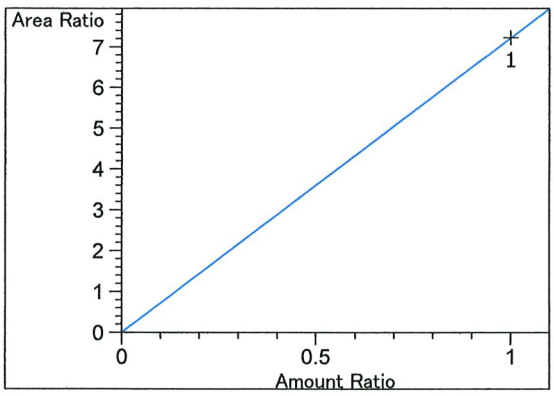

n-Propanol at exp. RT: 5.263
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 7.742
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio




Toluene at exp. RT: 11.631
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.14056
x: Amount Ratio
y: Area Ratio

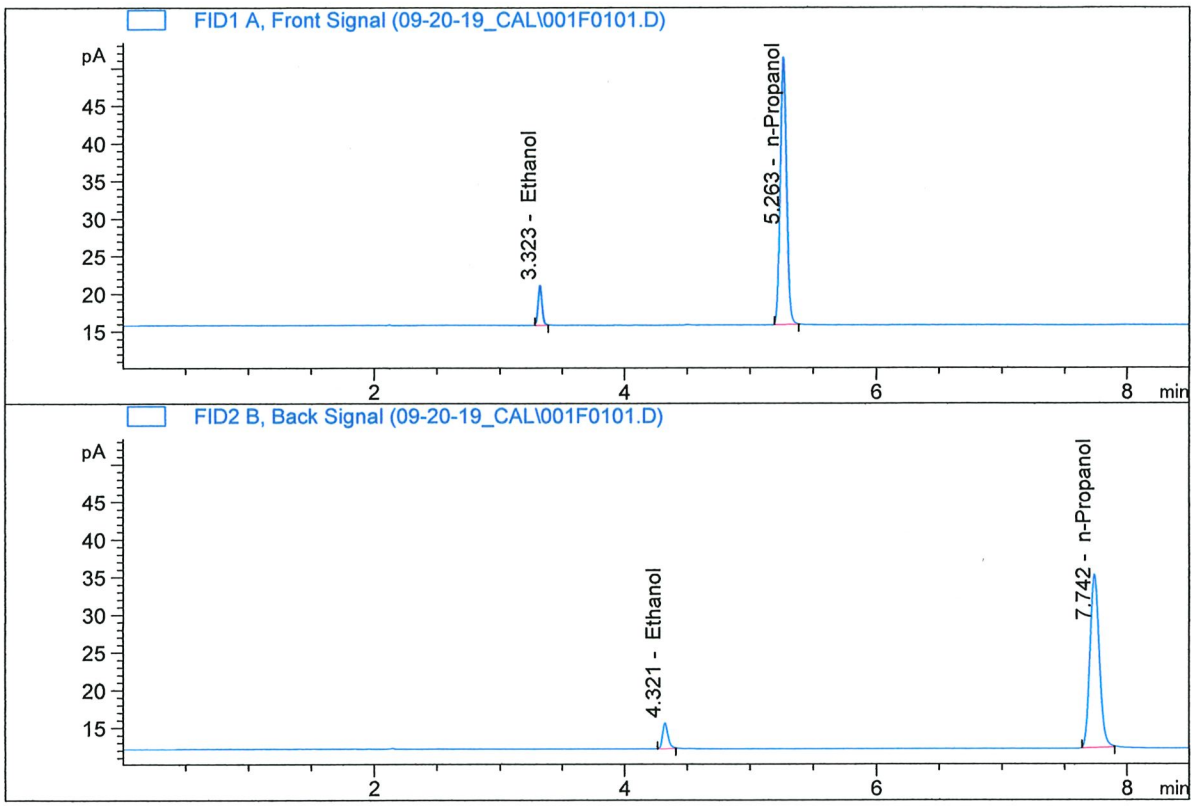



Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.22109
x: Amount Ratio
y: Area Ratio

==========

# ISP Forensic Services Blood Alcohol Report

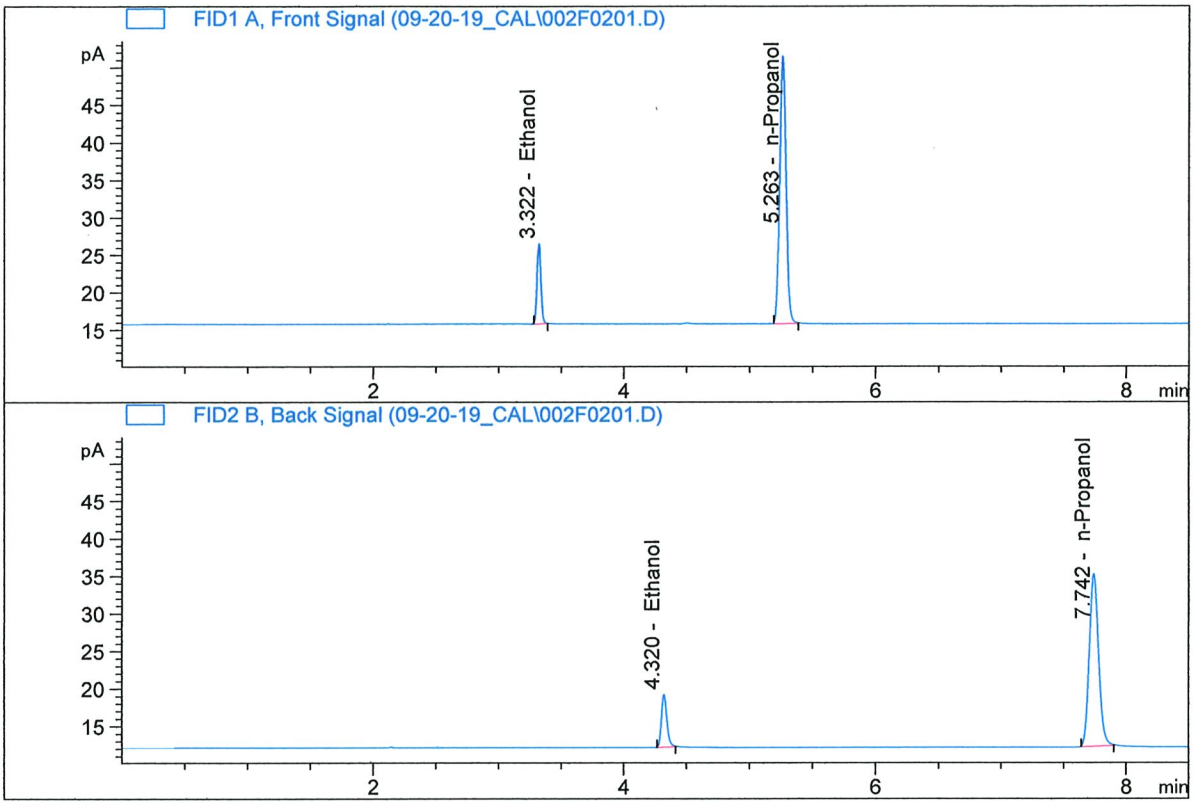
Sample Name : 0.050
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 11.86943 | 0.0499 | g/100cc |
| 2. | Ethanol | Column 2: | 10.49741 | 0.0470 | g/100cc |
| 3. | n-Propanol | Column 1: | 127.19459 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 121.11684 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

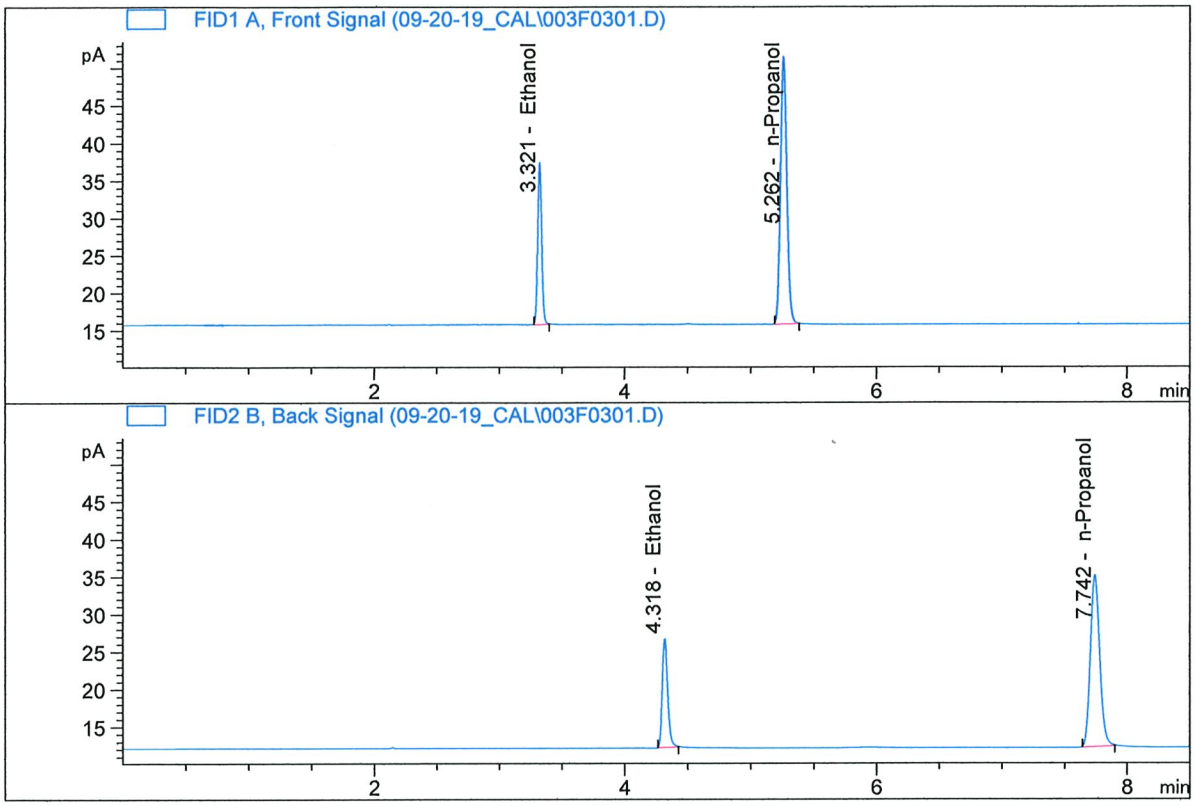



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 23.71001 | 0.0996 | g/100cc |
| 2. | Ethanol | Column 2: | 21.19730 | 0.0950 | g/100cc |
| 3. | n-Propanol | Column 1: | 127.32814 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 120.83853 | 1.0000 | g/100cc |

RC

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

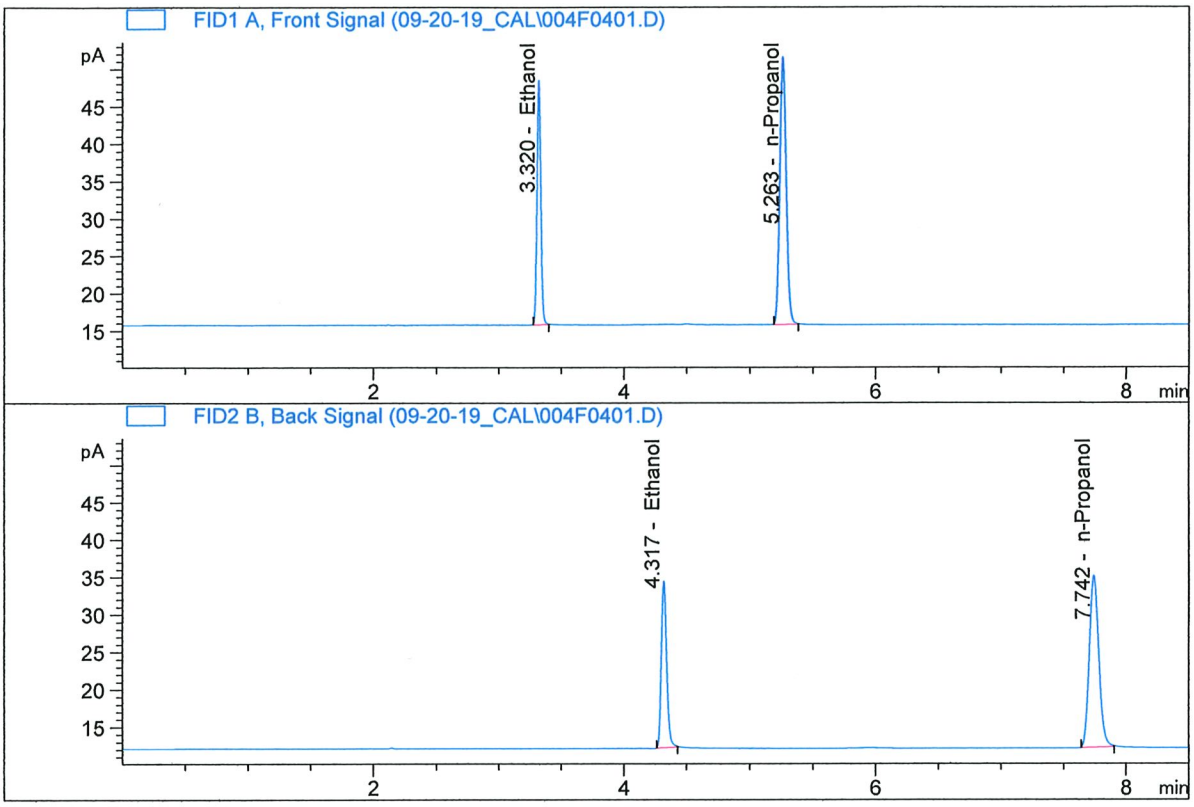



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 47.56104 | 0.1993 | g/100cc |
| 2. | Ethanol | Column 2: | 43.56061 | 0.1957 | g/100cc |
| 3. | n-Propanol | Column 1: | 127.59464 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 120.59786 | 1.0000 | g/100cc |

AC

# ISP Forensic Services Blood Alcohol Report

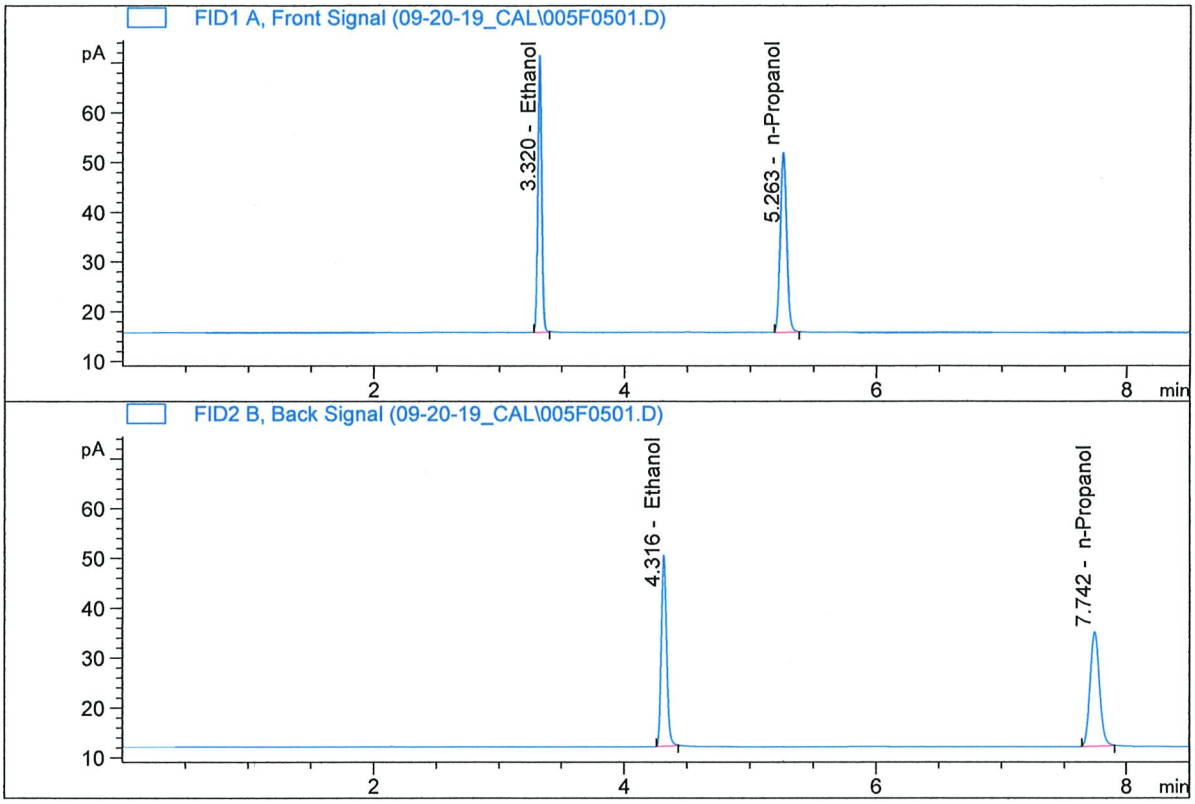
Sample Name : 0.300
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 71.56998 | 0.2995 | g/100cc |
| 2. | Ethanol | Column 2: | 66.22964 | 0.2973 | g/100cc |
| 3. | n-Propanol | Column 1: | 127.77700 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 120.68785 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

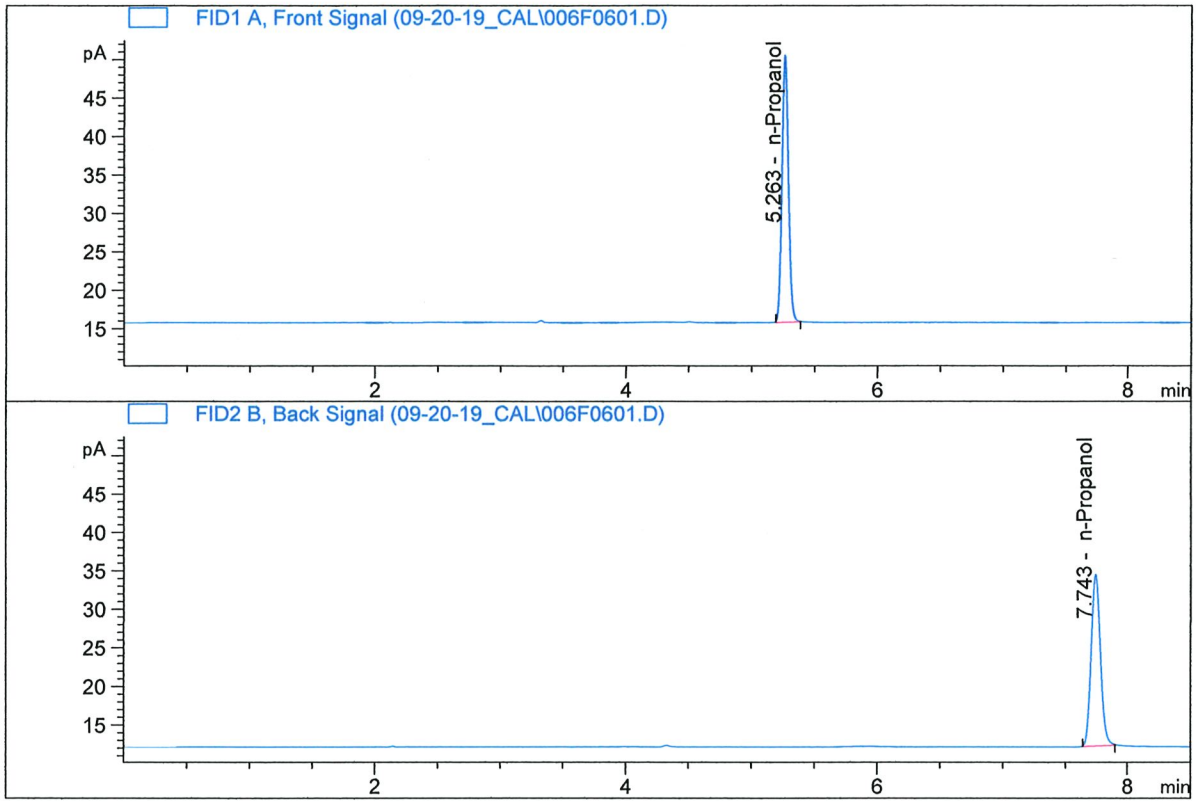



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 120.80392 | 0.5007 | g/100cc |
| 2. | Ethanol | Column 2: | 113.06499 | 0.5046 | g/100cc |
| 3. | n-Propanol | Column 1: | 129.02829 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 121.39161 | 1.0000 | g/100cc |

JRC

# ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | 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: | 123.73989 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 117.47841 | 1.0000 | g/100cc |

RC

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_20.09.2019_10.19.43\MASTERCAL.S

## Sample Summary

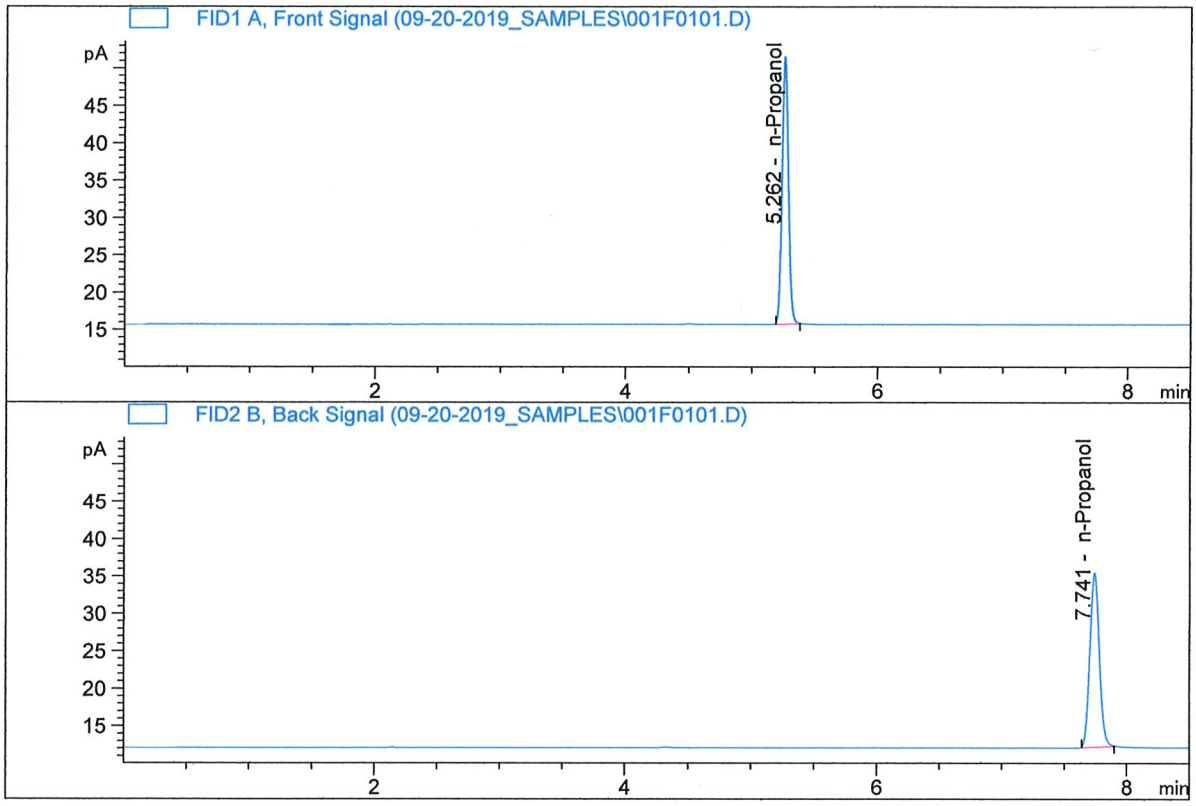
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_20.09.2019_10.19.43\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\09-20-19_CAL
Logbook: C:\Chem32\1\Data\09-20-19_CAL\MASTERCAL.LOG
Sequence start: 9/20/2019 10:33:29 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 1
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

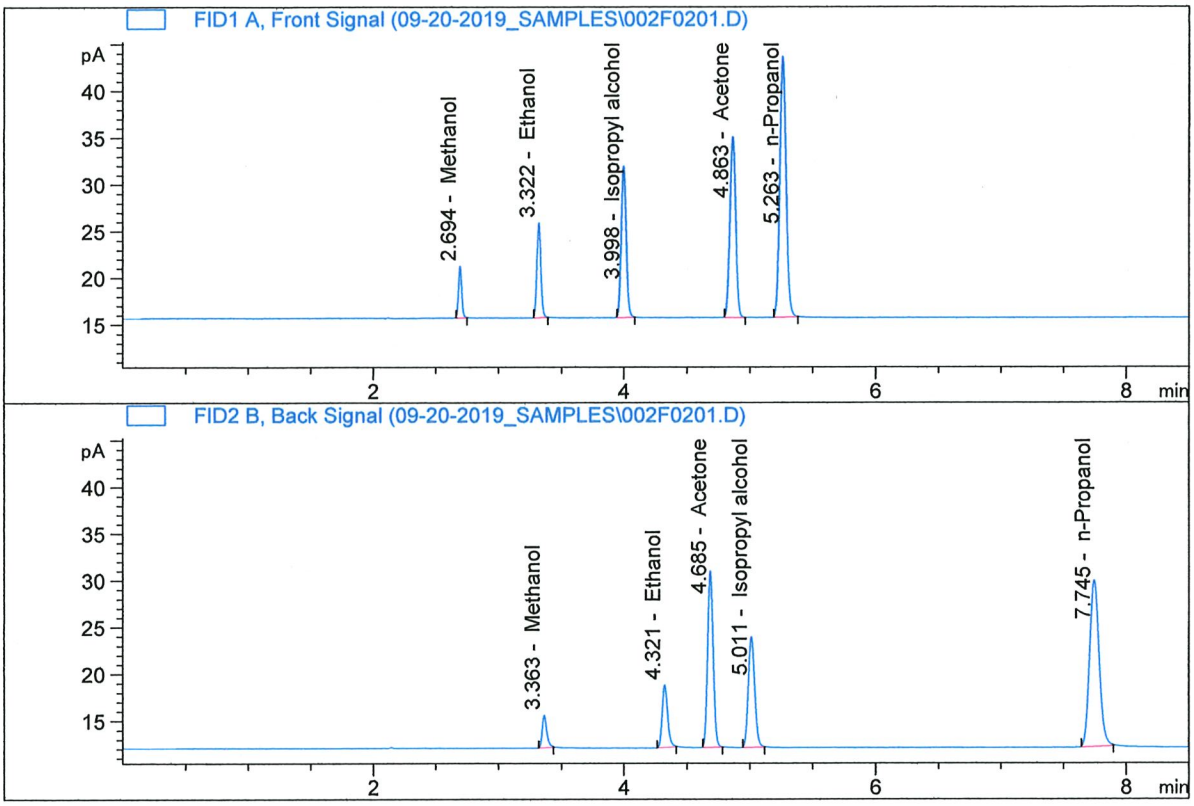



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 0.00000 | 0.0000 | g/100cc |
| 2. | Ethanol | Column 2: | 0.00000 | 0.0000 | g/100cc |
| 3. | n-Propanol | Column 1: | 127.90199 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 122.04874 | 1.0000 | g/100cc |

RC

# ISP Forensic Services Blood Alcohol Report

Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

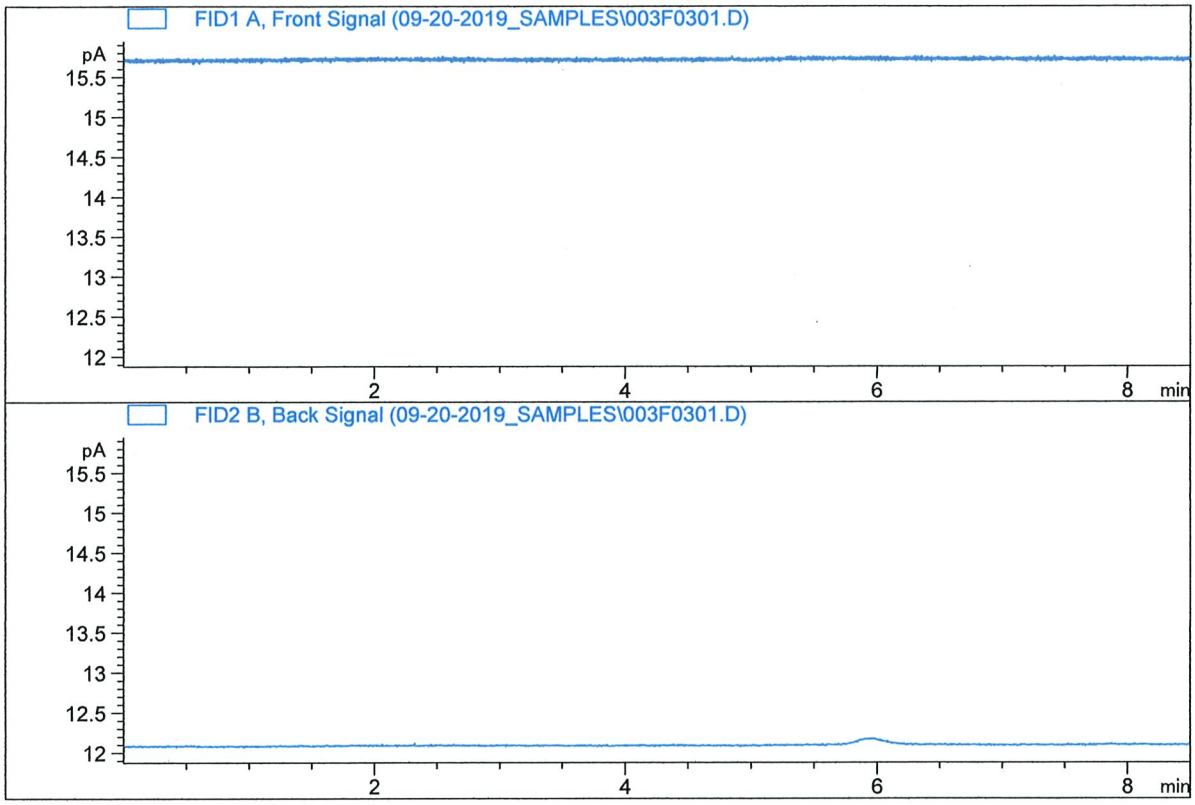



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 22.61029 | 0.1213 | g/100cc |
| 2. | Ethanol | Column 2: | 20.18699 | 0.1163 | g/100cc |
| 3. | n-Propanol | Column 1: | 99.63564 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 94.07857 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 2
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

Didn't inject. Not required per method anyway. DC




| # | 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 |

RC

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-1** **Analysis Date(s): 20 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0783 | 0.0744 | 0.0039 | 0.0763 | 0.0765 | |
| (g/100cc) | 0.0789 | 0.0745 | 0.0044 | 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: MD96JF1032

**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** |

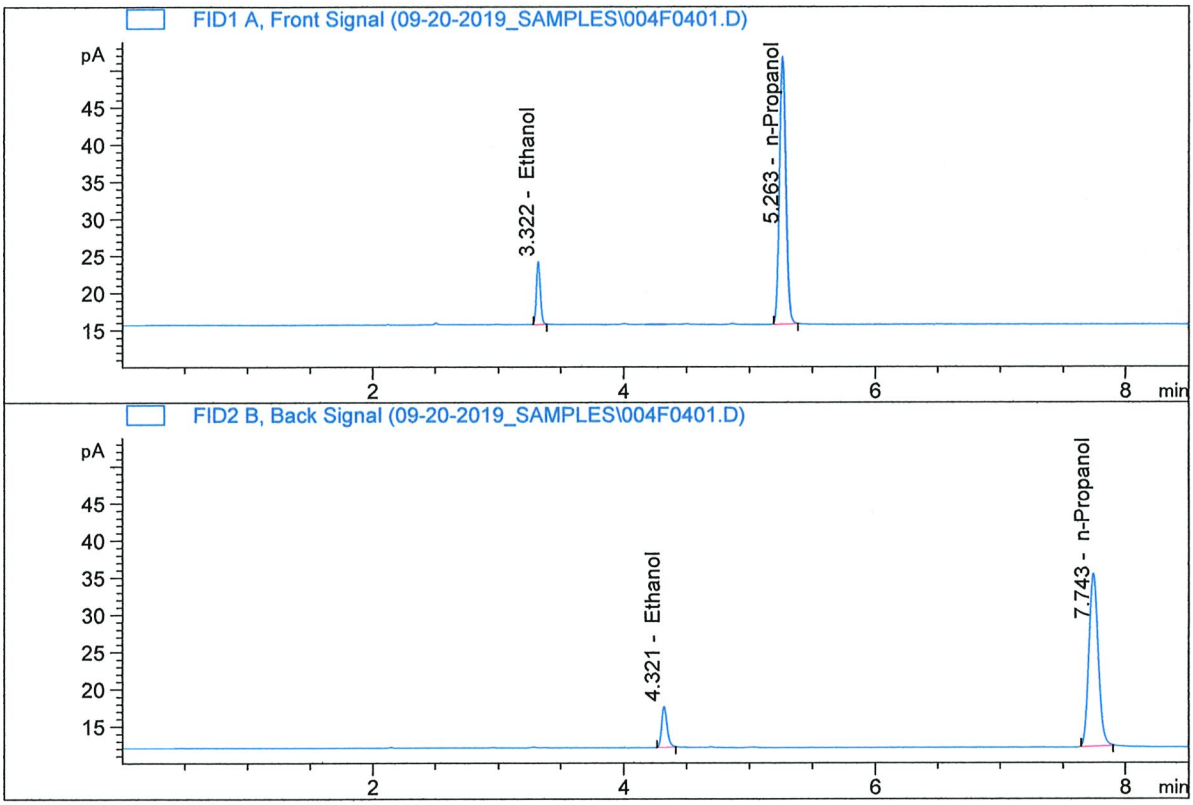
**Reported Result**

**0.076**

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

# ISP Forensic Services Blood Alcohol Report

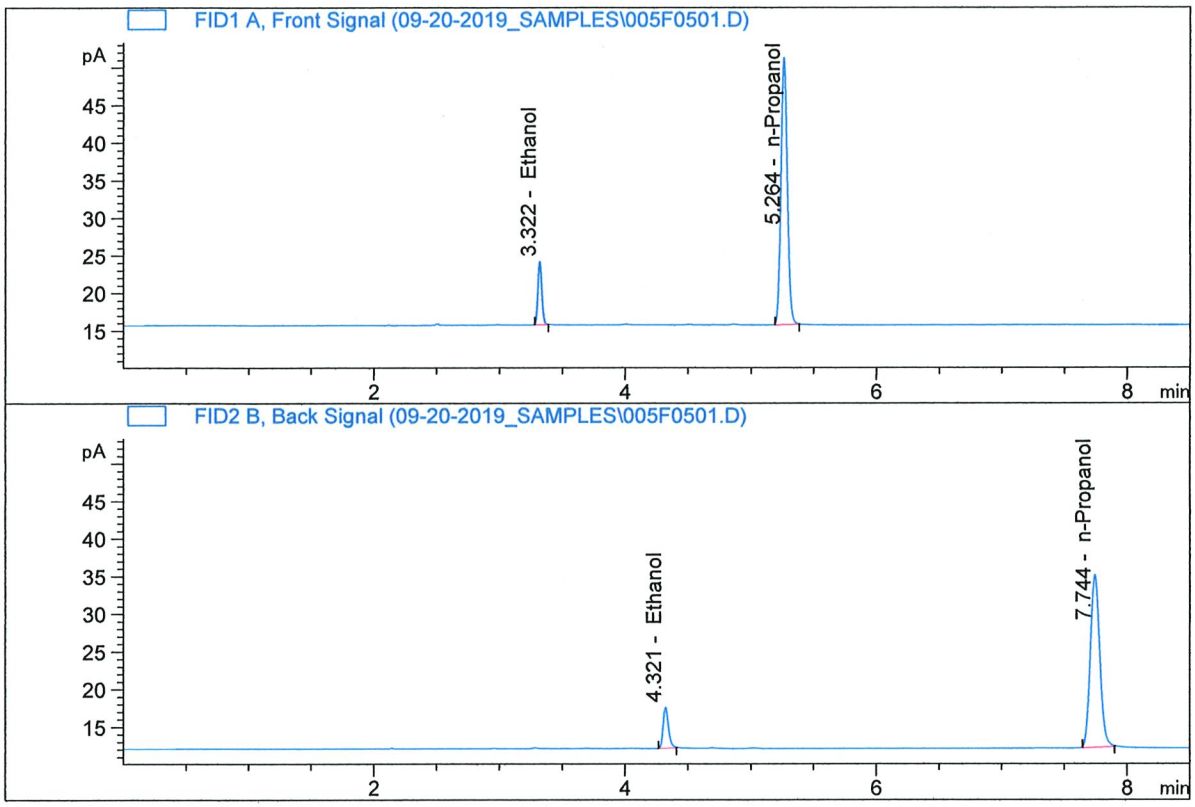
Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.80746 | 0.0783 | g/100cc |
| 2. | Ethanol | Column 2: | 16.76557 | 0.0744 | g/100cc |
| 3. | n-Propanol | Column 1: | 128.52000 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 122.09586 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.70283 | 0.0789 | g/100cc |
| 2. | Ethanol | Column 2: | 16.54556 | 0.0745 | g/100cc |
| 3. | n-Propanol | Column 1: | 126.80045 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 120.40483 | 1.0000 | g/100cc |

RC

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: 08 QA** **Analysis Date(s): 20 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0798 | 0.0754 | 0.0044 | 0.0776 | 0.0775 | |
| (g/100cc) | 0.0798 | 0.0752 | 0.0046 | 0.0775 | | |

**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: MD96JF1032

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

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

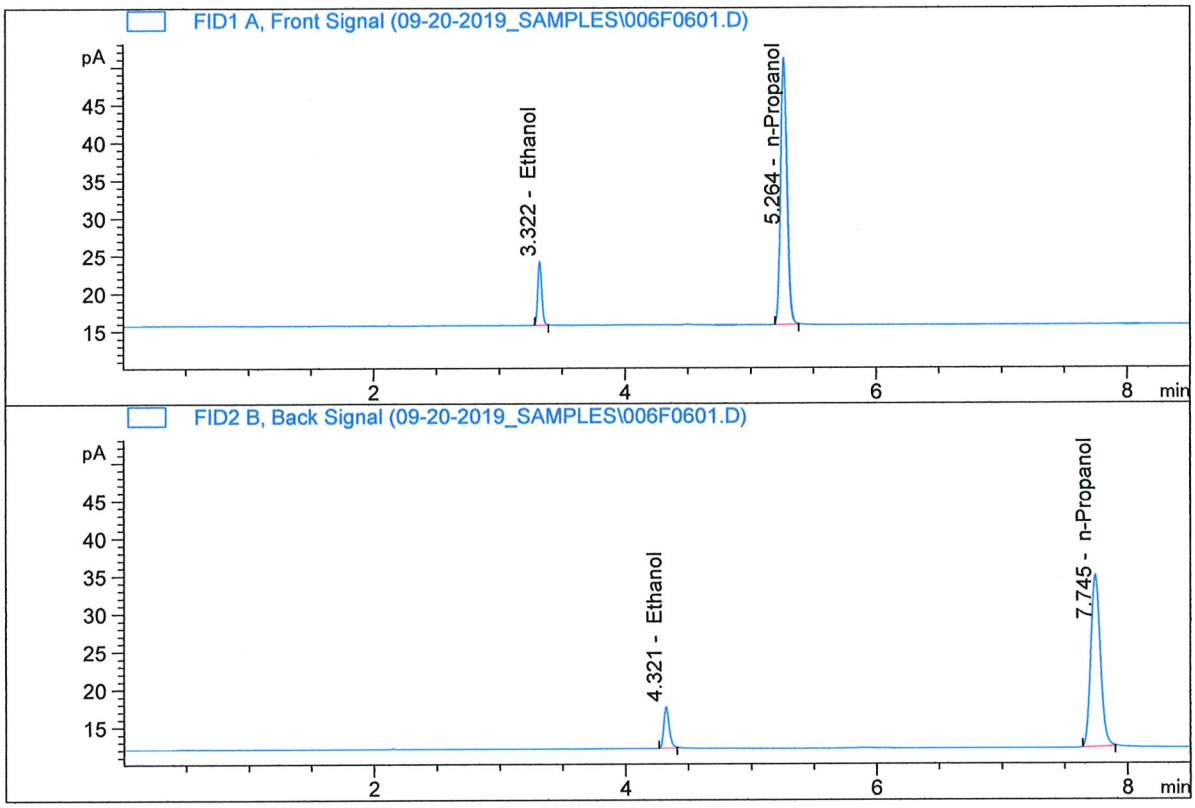
**Reported Result**

**0.077**

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

# ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

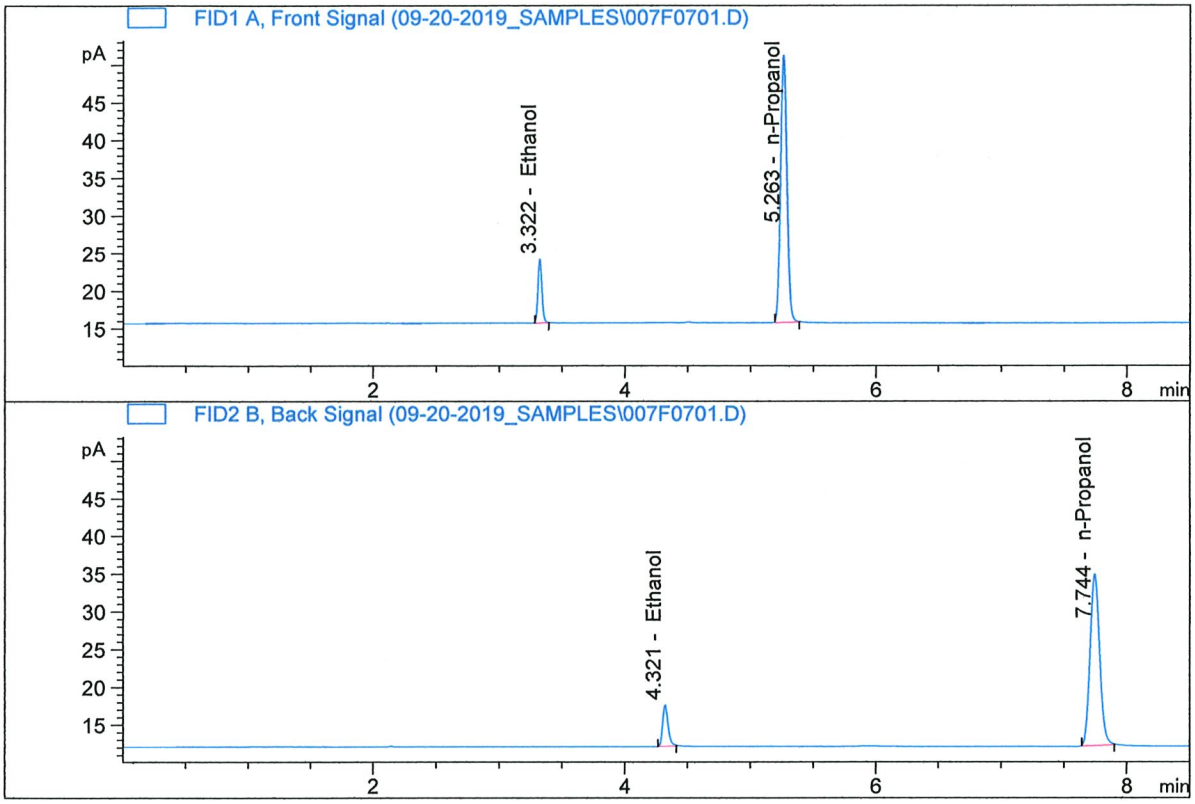



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.80530 | 0.0798 | g/100cc |
| 2. | Ethanol | Column 2: | 16.64382 | 0.0754 | g/100cc |
| 3. | n-Propanol | Column 1: | 125.98335 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 119.57179 | 1.0000 | g/100cc |

JRC

# ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 18.84483 | 0.0798 | g/100cc |
| 2. | Ethanol | Column 2: | 16.63369 | 0.0752 | g/100cc |
| 3. | n-Propanol | Column 1: | 126.34591 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 119.76614 | 1.0000 | g/100cc |

JRC

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-1** **Analysis Date(s): 20 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.2007 | 0.1965 | 0.0042 | 0.1986 | 0.1982 | |
| (g/100cc) | 0.2000 | 0.1957 | 0.0043 | 0.1978 | | |

**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: MD96JF1032

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

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.198** | **0.188** | **0.208** | **0.010** |

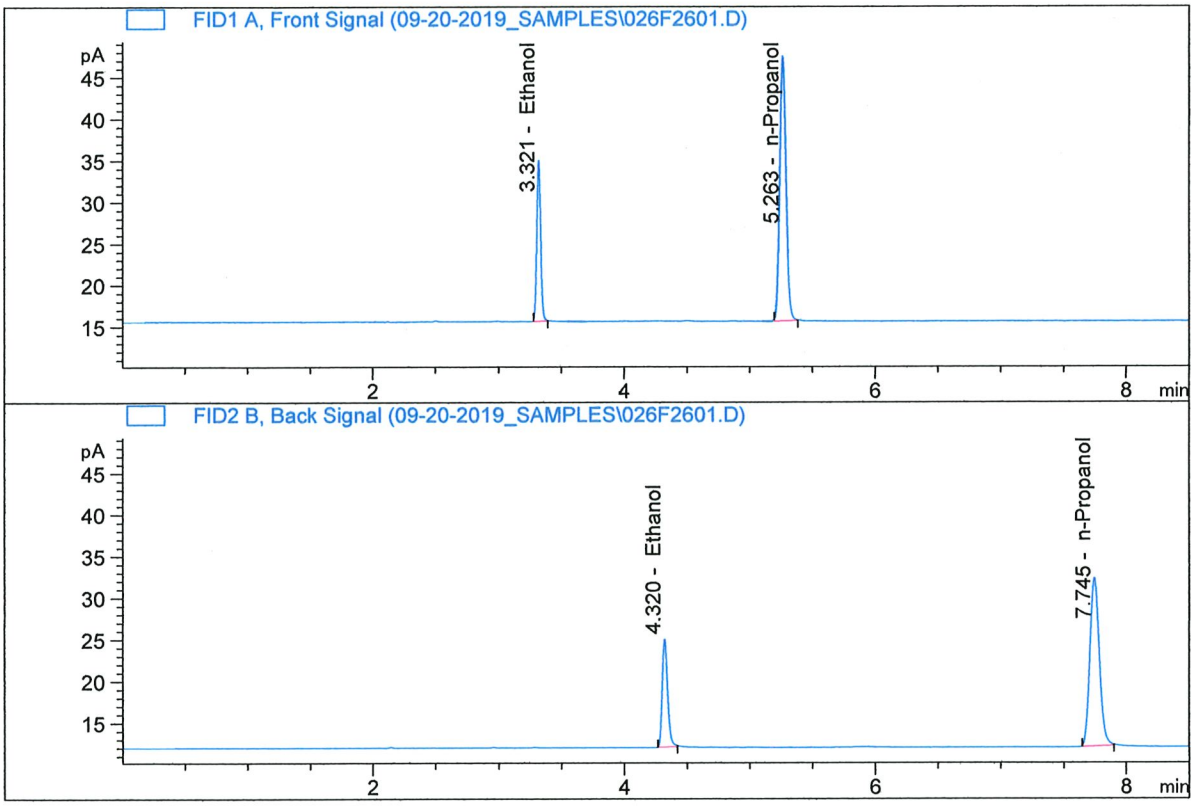
**Reported Result**

**0.198**

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

# ISP Forensic Services Blood Alcohol Report

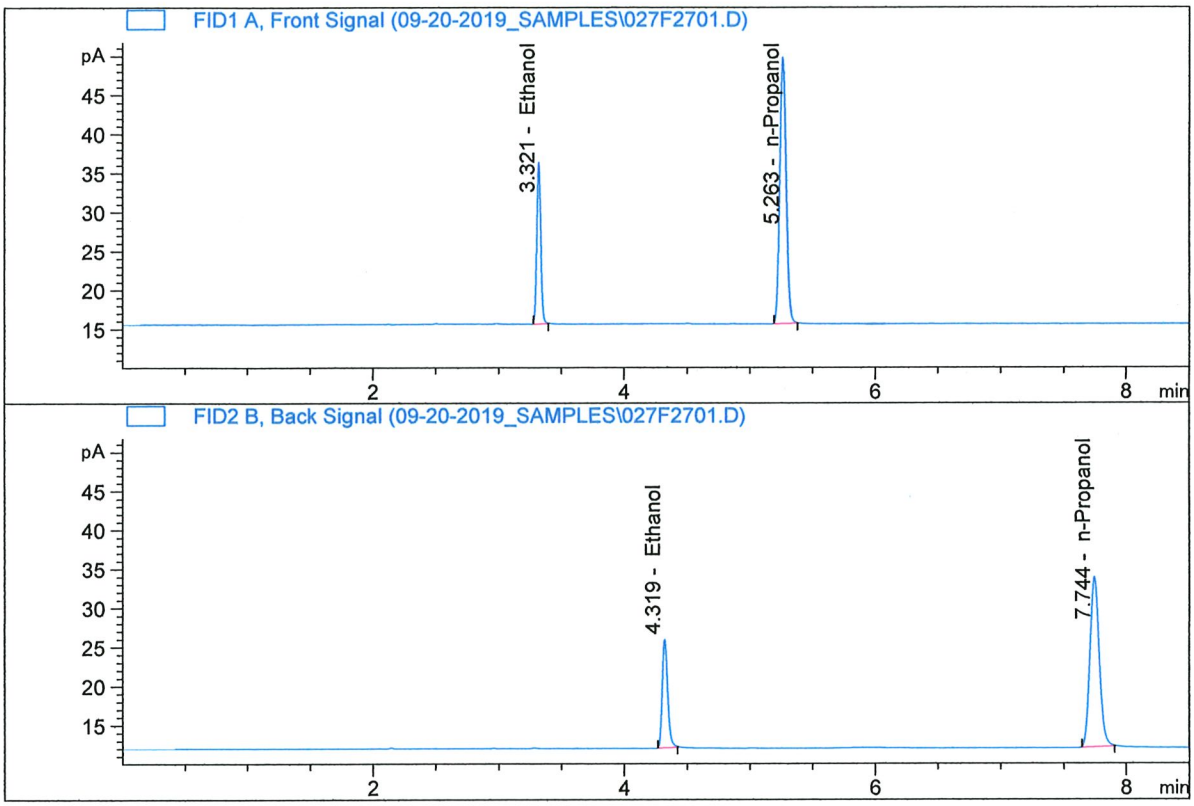
Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 42.52889 | 0.2007 | g/100cc |
| 2. | Ethanol | Column 2: | 38.78154 | 0.1965 | g/100cc |
| 3. | n-Propanol | Column 1: | 113.31034 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 106.92442 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 45.43114 | 0.2000 | g/100cc |
| 2. | Ethanol | Column 2: | 41.47200 | 0.1957 | g/100cc |
| 3. | n-Propanol | Column 1: | 121.49112 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 114.82360 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-2** **Analysis Date(s): 20 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0817 | 0.0769 | 0.0048 | 0.0793 | 0.0793 | |
| (g/100cc) | 0.0816 | 0.0770 | 0.0046 | 0.0793 | | |

**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: MD96JF1032

**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** |

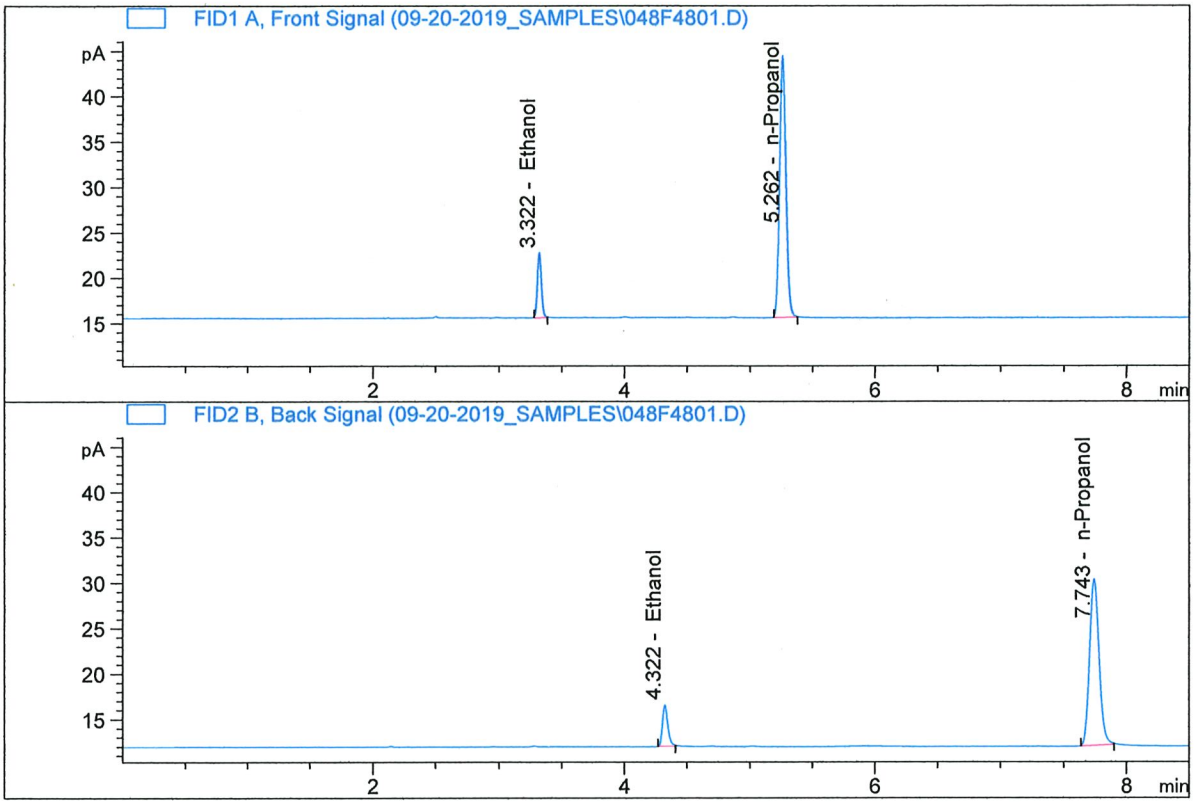
**Reported Result**

**0.079**

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

# ISP Forensic Services Blood Alcohol Report

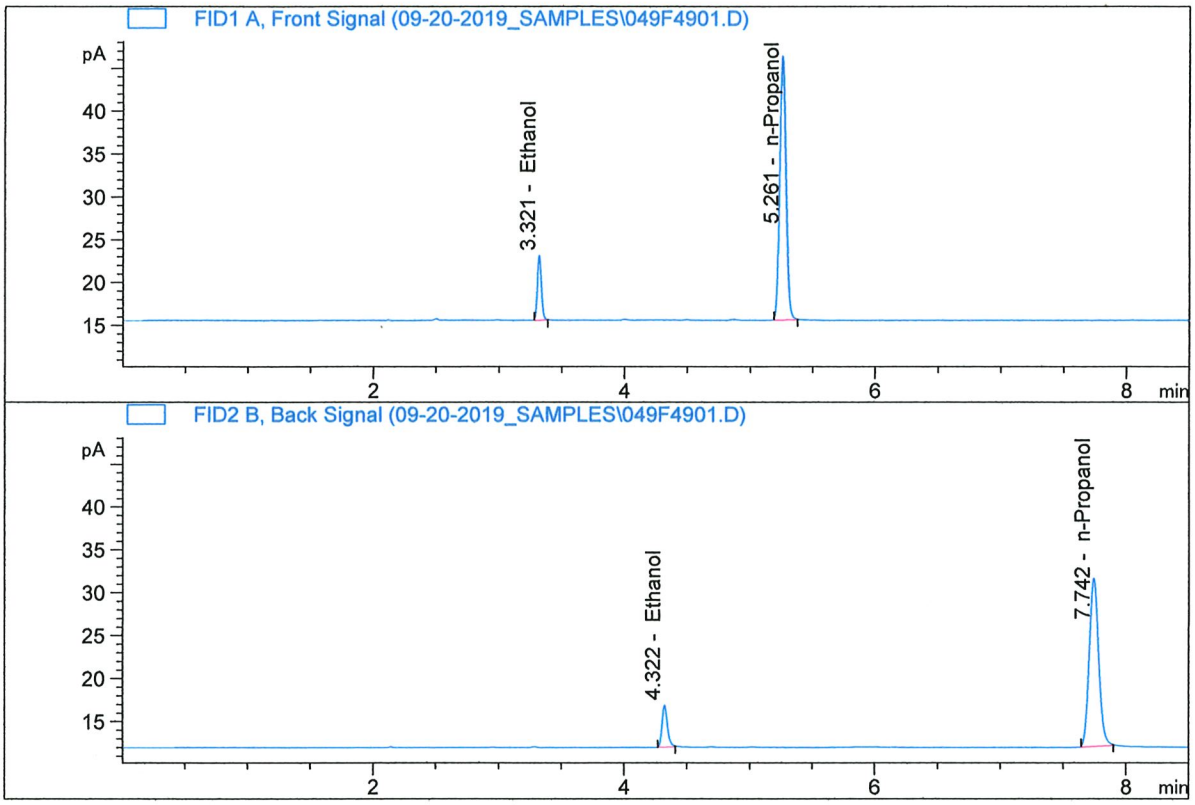
Sample Name : QC1-2-A
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 15.65542 | 0.0817 | g/100cc |
| 2. | Ethanol | Column 2: | 13.76599 | 0.0769 | g/100cc |
| 3. | n-Propanol | Column 1: | 102.50723 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 96.97047 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Pocatello
Injection Date : Sep 20, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 16.68121 | 0.0816 | g/100cc |
| 2. | Ethanol | Column 2: | 14.72769 | 0.0770 | g/100cc |
| 3. | n-Propanol | Column 1: | 109.35187 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 103.56428 | 1.0000 | g/100cc |

JRC

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC2-2** **Analysis Date(s): 21 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.2054 | 0.2014 | 0.0040 | 0.2034 | 0.2037 | |
| (g/100cc) | 0.2063 | 0.2019 | 0.0044 | 0.2041 | | |

**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: MD96JF1032

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

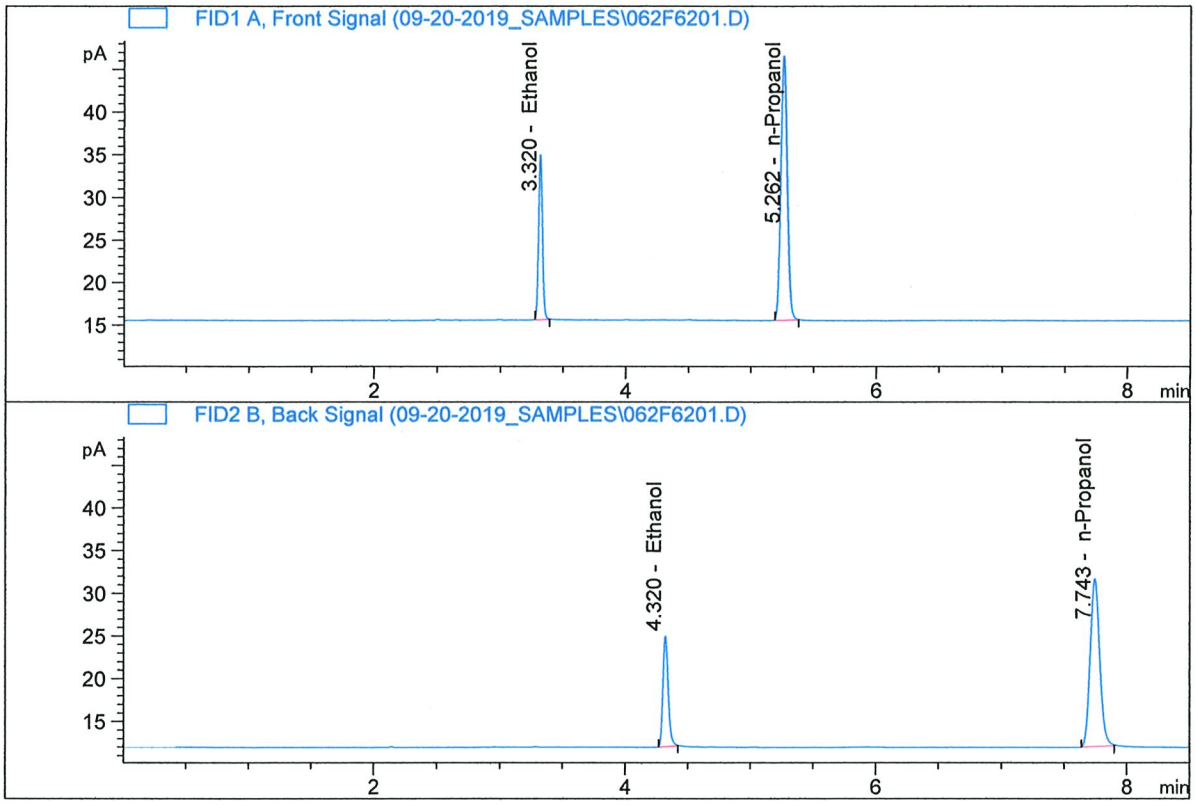
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.203** | **0.192** | **0.214** | **0.011** |

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

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

# ISP Forensic Services Blood Alcohol Report

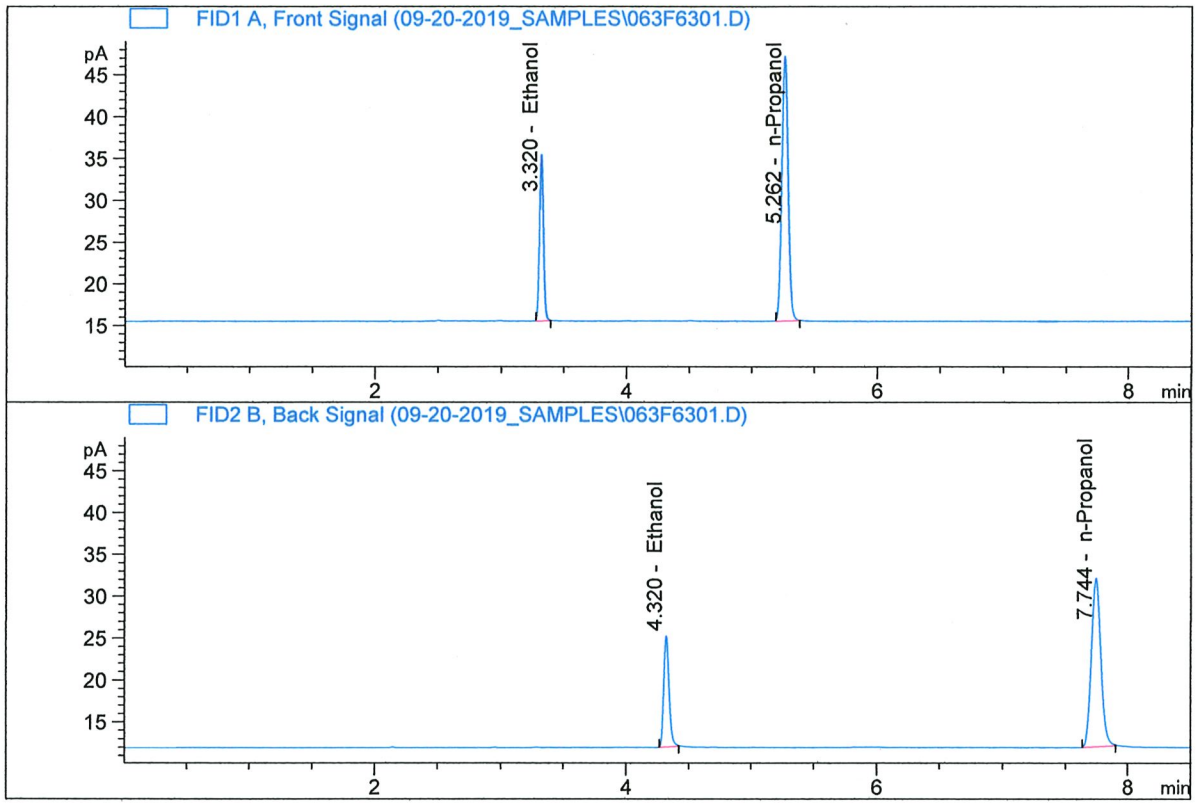
Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : Sep 21, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 42.24021 | 0.2054 | g/100cc |
| 2. | Ethanol | Column 2: | 38.60810 | 0.2014 | g/100cc |
| 3. | n-Propanol | Column 1: | 109.94980 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 103.86221 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : Sep 21, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 43.37555 | 0.2063 | g/100cc |
| 2. | Ethanol | Column 2: | 39.57730 | 0.2019 | g/100cc |
| 3. | n-Propanol | Column 1: | 112.43099 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 106.21715 | 1.0000 | g/100cc |

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No.: QC1-3** **Analysis Date(s): 21 Sep 2019**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Over-all Mean | |
|---|---|---|---|---|---|---|
| Sample Results | 0.0835 | 0.0786 | 0.0049 | 0.0810 | 0.0810 | |
| (g/100cc) | 0.0834 | 0.0787 | 0.0047 | 0.0810 | | |

**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: MD96JF1032

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

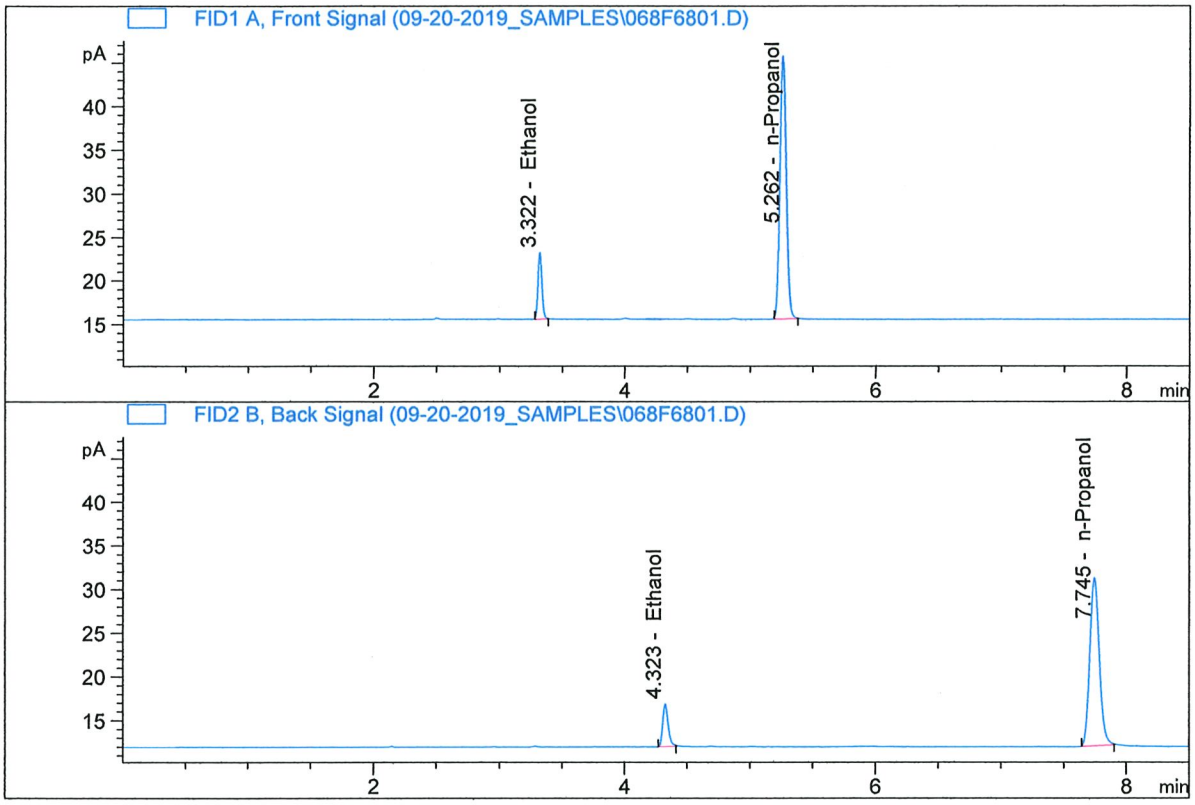
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|---|---|---|---|
| **0.081** | **0.076** | **0.086** | **0.005** |

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

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

# ISP Forensic Services Blood Alcohol Report

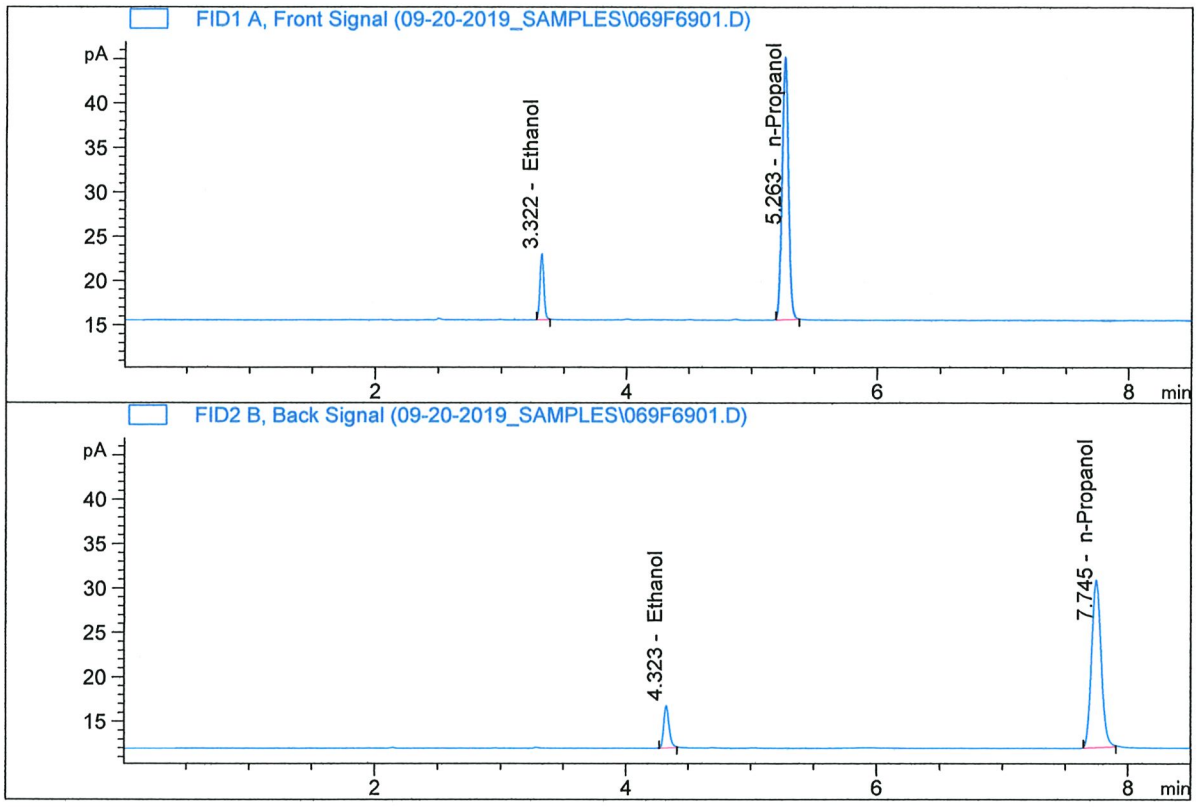
Sample Name : QC1-3-A
Laboratory : Pocatello
Injection Date : Sep 21, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 16.74137 | 0.0835 | g/100cc |
| 2. | Ethanol | Column 2: | 14.77802 | 0.0786 | g/100cc |
| 3. | n-Propanol | Column 1: | 107.26998 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 101.82883 | 1.0000 | g/100cc |

# ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-3-B
Laboratory : Pocatello
Injection Date : Sep 21, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

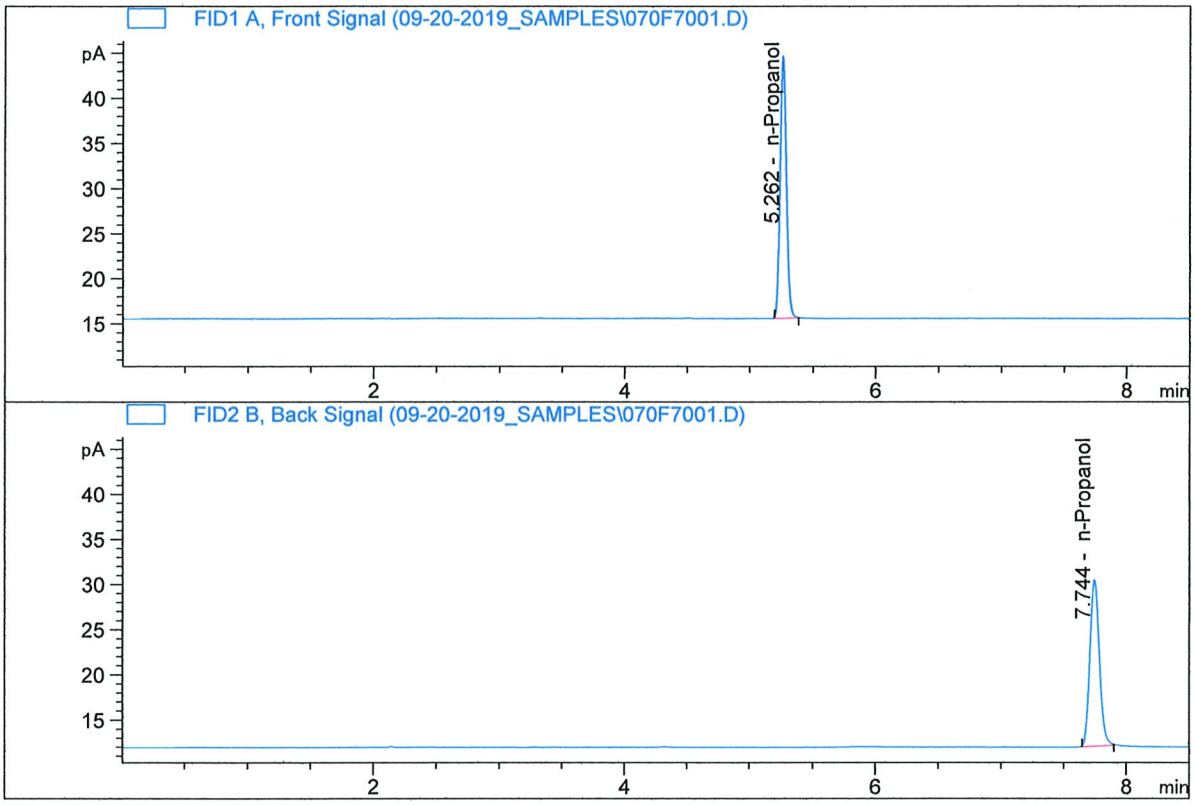



| # | Compound | Column | Area | Amount | Units |
|---|---|---|---|---|---|
| 1. | Ethanol | Column 1: | 16.41287 | 0.0834 | g/100cc |
| 2. | Ethanol | Column 2: | 14.50614 | 0.0787 | g/100cc |
| 3. | n-Propanol | Column 1: | 105.29226 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 99.92220 | 1.0000 | g/100cc |

RC

# ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 3
Laboratory : Pocatello
Injection Date : Sep 21, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010




| # | 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: | 103.14350 | 1.0000 | g/100cc |
| 4. | n-Propanol | Column 2: | 97.81162 | 1.0000 | g/100cc |

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_20.09.2019_02.57.46\09-20-19SAMPLES.S

# Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_20.09.2019_02.57.46\09-20-19SAMPLES.S
Data directory path: C:\Chem32\1\Data\09-20-2019_SAMPLES
Logbook: C:\Chem32\1\Data\09-20-2019_SAMPLES\09-20-19SAMPLES.LOG
Sequence start: 9/20/2019 3:11:35 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # Cmp |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | INT STD 1 | - | 1.0000 | 001F0101.D | 2 |
| 2 | 2 | 1 | MULTI-COMP MIX | - | 1.0000 | 002F0201.D | 10 |
| 3 | 3 | 1 | INT STD 2 | - | 1.0000 | 003F0301.D | 0 |
| 4 | 4 | 1 | QC1-1-A | - | 1.0000 | 004F0401.D | 4 |
| 5 | 5 | 1 | QC1-1-B | - | 1.0000 | 005F0501.D | 4 |
| 6 | 6 | 1 | 08 QA-A | - | 1.0000 | 006F0601.D | 4 |
| 7 | 7 | 1 | 08 QA-B | - | 1.0000 | 007F0701.D | 4 |
| 8 | 8 | 1 | P2019-2656-1-A | - | 1.0000 | 008F0801.D | 5 |
| 9 | 9 | 1 | P2019-2656-1-B | - | 1.0000 | 009F0901.D | 5 |
| 10 | 10 | 1 | P2019-2661-1-A | - | 1.0000 | 010F1001.D | 6 |
| 11 | 11 | 1 | P2019-2661-1-B | - | 1.0000 | 011F1101.D | 6 |
| 12 | 12 | 1 | P2019-2672-1-A | - | 1.0000 | 012F1201.D | 6 |
| 13 | 13 | 1 | P2019-2672-1-B | - | 1.0000 | 013F1301.D | 6 |
| 14 | 14 | 1 | P2019-2688-1-A | - | 1.0000 | 014F1401.D | 6 |
| 15 | 15 | 1 | P2019-2688-1-B | - | 1.0000 | 015F1501.D | 6 |
| 16 | 16 | 1 | P2019-2689-1-A | - | 1.0000 | 016F1601.D | 6 |
| 17 | 17 | 1 | P2019-2689-1-B | - | 1.0000 | 017F1701.D | 6 |
| 18 | 18 | 1 | P2019-2690-1-A | - | 1.0000 | 018F1801.D | 2 |
| 19 | 19 | 1 | P2019-2690-1-B | - | 1.0000 | 019F1901.D | 0 |
| 20 | 20 | 1 | P2019-2709-1-A | - | 1.0000 | 020F2001.D | 6 |
| 21 | 21 | 1 | P2019-2709-1-B | - | 1.0000 | 021F2101.D | 6 |
| 22 | 22 | 1 | P2019-2711-1-A | - | 1.0000 | 022F2201.D | 6 |
| 23 | 23 | 1 | P2019-2711-1-B | - | 1.0000 | 023F2301.D | 6 |
| 24 | 24 | 1 | P2019-2724-1-A | - | 1.0000 | 024F2401.D | 6 |
| 25 | 25 | 1 | P2019-2724-1-B | - | 1.0000 | 025F2501.D | 6 |
| 26 | 26 | 1 | QC2-1-A | - | 1.0000 | 026F2601.D | 4 |
| 27 | 27 | 1 | QC2-1-B | - | 1.0000 | 027F2701.D | 4 |
| 28 | 28 | 1 | P2019-2725-1-A | - | 1.0000 | 028F2801.D | 6 |
| 29 | 29 | 1 | P2019-2725-1-B | - | 1.0000 | 029F2901.D | 6 |
| 30 | 30 | 1 | P2019-2726-1-A | - | 1.0000 | 030F3001.D | 6 |
| 31 | 31 | 1 | P2019-2726-1-B | - | 1.0000 | 031F3101.D | 6 |
| 32 | 32 | 1 | P2019-2733-1-A | - | 1.0000 | 032F3201.D | 4 |
| 33 | 33 | 1 | P2019-2733-1-B | - | 1.0000 | 033F3301.D | 6 |
| 34 | 34 | 1 | P2019-2757-1-A | - | 1.0000 | 034F3401.D | 4 |
| 35 | 35 | 1 | P2019-2757-1-B | - | 1.0000 | 035F3501.D | 4 |
| 36 | 36 | 1 | P2019-2770-1-A | - | 1.0000 | 036F3601.D | 4 |
| 37 | 37 | 1 | P2019-2770-1-B | - | 1.0000 | 037F3701.D | 4 |
| 38 | 38 | 1 | P2019-2771-1-A | - | 1.0000 | 038F3801.D | 4 |
| 39 | 39 | 1 | P2019-2771-1-B | - | 1.0000 | 039F3901.D | 4 |
| 40 | 40 | 1 | P2019-2774-1-A | - | 1.0000 | 040F4001.D | 8 |
| 41 | 41 | 1 | P2019-2774-1-B | - | 1.0000 | 041F4101.D | 8 |
| 42 | 42 | 1 | P2019-2778-1-A | - | 1.0000 | 042F4201.D | 4 |
| 43 | 43 | 1 | P2019-2778-1-B | - | 1.0000 | 043F4301.D | 4 |
| 44 | 44 | 1 | P2019-2803-1-A | - | 1.0000 | 044F4401.D | 2 |
| 45 | 45 | 1 | P2019-2803-1-B | - | 1.0000 | 045F4501.D | 2 |
| 46 | 46 | 1 | P2019-2805-1-A | - | 1.0000 | 046F4601.D | 2 |

Didn't inject

RC

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_20.09.2019_02.57.46\09-20-19SAMPLES.S

| Run # | Location | Inj # | Sample Name | Sample Amt [g/100cc] | Multip.* Dilution | File name | Cal # | # Cmp |
|---|---|---|---|---|---|---|---|---|
| 47 | 47 | 1 | P2019-2805-1-B | - | 1.0000 | 047F4701.D | | 2 |
| 48 | 48 | 1 | QC1-2-A | - | 1.0000 | 048F4801.D | | 4 |
| 49 | 49 | 1 | QC1-2-B | - | 1.0000 | 049F4901.D | | 4 |
| 50 | 50 | 1 | P2019-2806-1-A | - | 1.0000 | 050F5001.D | | 6 |
| 51 | 51 | 1 | P2019-2806-1-B | - | 1.0000 | 051F5101.D | | 6 |
| 52 | 52 | 1 | P2019-2816-1-A | - | 1.0000 | 052F5201.D | | 6 |
| 53 | 53 | 1 | P2019-2816-1-B | - | 1.0000 | 053F5301.D | | 6 |
| 54 | 54 | 1 | P2019-2817-1-A | - | 1.0000 | 054F5401.D | | 2 |
| 55 | 55 | 1 | P2019-2817-1-B | - | 1.0000 | 055F5501.D | | 2 |
| 56 | 56 | 1 | P2019-2854-1-A | - | 1.0000 | 056F5601.D | | 4 |
| 57 | 57 | 1 | P2019-2854-1-B | - | 1.0000 | 057F5701.D | | 4 |
| 58 | 58 | 1 | P2019-2856-1-A | - | 1.0000 | 058F5801.D | | 2 |
| 59 | 59 | 1 | P2019-2856-1-B | - | 1.0000 | 059F5901.D | | 2 |
| 60 | 60 | 1 | P2019-2857-1-A | - | 1.0000 | 060F6001.D | | 4 |
| 61 | 61 | 1 | P2019-2857-1-B | - | 1.0000 | 061F6101.D | | 4 |
| 62 | 62 | 1 | QC2-2-A | - | 1.0000 | 062F6201.D | | 4 |
| 63 | 63 | 1 | QC2-2-B | - | 1.0000 | 063F6301.D | | 4 |
| 64 | 64 | 1 | P2019-2873-1-A | - | 1.0000 | 064F6401.D | | 6 |
| 65 | 65 | 1 | P2019-2873-1-B | - | 1.0000 | 065F6501.D | | 6 |
| 66 | 66 | 1 | P2019-2879-1-A | - | 1.0000 | 066F6601.D | | 4 |
| 67 | 67 | 1 | P2019-2879-1-B | - | 1.0000 | 067F6701.D | | 4 |
| 68 | 68 | 1 | QC1-3-A | - | 1.0000 | 068F6801.D | | 4 |
| 69 | 69 | 1 | QC1-3-B | - | 1.0000 | 069F6901.D | | 4 |
| 70 | 70 | 1 | INT STD 3 | - | 1.0000 | 070F7001.D | | 2 |