



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 12020**

**CUSTOMER INFORMATION**

Washington State Patrol – Breath Test Program  
811 East Roanoke SEATTLE, WA 98102

**TESTING PROCEDURE USED:** TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.08 g/210L  
DATE PREPARED: 04/02/2012  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Sarah Swenson

|   | SS    | DC    | JLK   |
|---|-------|-------|-------|
| 1 | 0.099 | 0.100 | 0.099 |
| 2 | 0.100 | 0.101 | 0.099 |
| 3 | 0.100 | 0.100 | 0.099 |
| 4 | 0.100 | 0.101 | 0.099 |
| 5 | 0.100 | 0.102 | 0.100 |
| C | 0.101 | 0.102 | 0.101 |

**ETHANOL CONTROL INFORMATION**

LOT NUMBER: A083355 EXPIRATION: 12/2015 CONCENTRATION: 0.10 g/100mL

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.0999 g/100mL PRECISION CV (%): 0.88  
STANDARD DEVIATION: 0.00088 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0812 g/210L  
COMBINED STANDARD UNCERTAINTY: ± 0.0009 (k=1, 68% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Melissa L. Pemberton*  
Melissa L. Pemberton Forensic Scientist Supervisor

*5-18-2012*  
DATE REPORT ISSUED

| ANALYST | NAME           | THIS TESTING WAS PERFORMED BY: |             |
|---------|----------------|--------------------------------|-------------|
|         |                | SIGNATURE                      | DATE TESTED |
| SS      | Sarah Swenson  | <i>Sarah Swenson</i>           | 04/02/2012  |
| DC      | Dawn Cox       | <i>Dawn Cox</i>                | 04/10/2012  |
| JLK     | Justin L. Knoy | <i>Justin L. Knoy</i>          | 04/11/2012  |

Washington State Patrol - Toxicology Laboratory Division  
QAP Test Report Calculation Record

QAP Solution Batch #: 12020

Date Prepared: 4/2/2012

| Analyst:     | SS       | DC        | JLK       |
|--------------|----------|-----------|-----------|
| Date Tested: | 4/2/2012 | 4/10/2012 | 4/11/2012 |
| Instrument:  | HS#1     | HS#1      | HS#1      |
| 1            | 0.099    | 0.100     | 0.099     |
| 2            | 0.100    | 0.101     | 0.099     |
| 3            | 0.100    | 0.100     | 0.099     |
| 4            | 0.100    | 0.101     | 0.099     |
| 5            | 0.100    | 0.102     | 0.100     |
| C            | 0.101    | 0.102     | 0.101     |

| CV <sup>2</sup> <sub>COA</sub> | CV <sup>2</sup> <sub>QAP Solution</sub> | CV <sup>2</sup> <sub>Control</sub> | CV <sup>2</sup> <sub>Part Coef</sub> |
|--------------------------------|---|------------------------------------|--------------------------------------|
| 0.0000084100                   | 0.0000052133                            | 0.0000108206                       | 0.0001016326                         |

Ethanol Control Lot #: A083355  
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0999 g/100mL  
Standard Deviation: 0.00088 g/100mL  
Precision CV (%): 0.88  
Equivalent Vapor Concentration: 0.0812 g/210L  
Combined Standard Uncertainty (±): 0.0009 g/210L

Calculations performed by: Melissa L. Pemberton Melissa Pemberton 05-07-12  
Name Signature Date

Calculations verified by: JASON SKLEROV [Signature] 5-16-12 Method: HAND CALCULATOR  
Name Signature Date

Tech. review performed by: Melissa L. Pemberton Melissa Pemberton 5-15-12  
Name Signature Date

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV Date: 5-16-12

Location: WSP-FLSB; SEATTLE, WA Solution Batch Number: 12020

|   | YES                                 | NO                       | N/A                      |
|---|-------------------------------------|--------------------------|--------------------------|
| Analysis dates do not precede preparation date:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Declarations signed and properly dated:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Data entry corresponds to all chromatograms:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| All signatures present on Test Report:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Average solution concentration correct:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Standard deviation correct:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| CV (%) correct:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Equivalent vapor concentration correct:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| All chromatograms and sequences included in file:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ethanol control information present:<br>(lot # present & used within expiration)            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Complies with accuracy and precision requirements<br>established by the State Toxicologist: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments:

Reviewer Signature:  (SKLEROV) Date: 5-16-12


Reviewer Signature: N/A (SWS) 5/16/12 Date: \_\_\_\_\_

**SOLUTION CERTIFICATE REVIEW**

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the Test Report
- 3) Signed the Test Report

|                        | Initials  | Date    |
|------------------------|---|---------|
| Amanda Black           |   |         |
| Asa Louis              |   |         |
| Brian Capron           |   |         |
| Brianna Peterson       |   |         |
| Brianne O'Reilly       |   |         |
| Brittany Ball          |   |         |
| Christie Mitchell-Mata |   |         |
| Christopher Johnston   |   |         |
| Dawn Cox               | DC  | 5-14-12 |
| Justin Knoy            |  | 5-8-12  |
| Lisa Noble             |   |         |
| Melissa Pemberton      |   |         |
| Naziha Nuwayhid        |   |         |
| Rebecca Flaherty       |   |         |
| Sarah Swenson          | SMS   | 5/10/12 |

Batch # 12020

CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**DATAMASTER 0.08 QAP SOLUTION  
CERTIFICATION FOR LOT 12020**

I, Sarah M. Swenson, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Chemistry and over nine years of experience in forensic toxicology.

The qap solution, Lot Number 12020, was prepared in the Washington State Toxicology Laboratory on 4/2/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/2/2013.

Seattle, WA

A handwritten signature in blue ink, appearing to read "M. Swenson", written over a horizontal line. To the right of the signature, the date "5/10/12" is handwritten.

Sarah M. Swenson

Date

Forensic Toxicologist



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**DATAMASTER 0.08 QAP SOLUTION  
CERTIFICATION FOR LOT 12020**

I, Dawn Cox, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS in Forensic Chemistry and over nine years of experience in the field of toxicology.

The qap solution, Lot Number 12020, was prepared in the Washington State Toxicology Laboratory on 4/2/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/2/2013.

Seattle, WA

 5-14-12

Dawn Cox

Date

Forensic Toxicologist



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**DATAMASTER 0.08 QAP SOLUTION  
CERTIFICATION FOR LOT 12020**

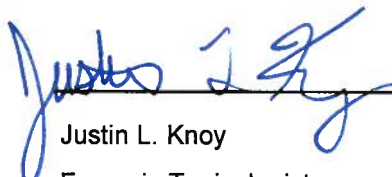
I, Justin L. Knoy, do certify under penalty of perjury that:


I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The qap solution, Lot Number 12020, was prepared in the Washington State Toxicology Laboratory on 4/2/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/2/2013.

Seattle, WA

  
Justin L. Knoy  
Forensic Toxicologist

  
Date

**FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET**Preparation Date: 4/2/12 Initials of Preparer: SMSExpiration Date: 4/2/13Lot # of 200-proof Ethanol used in preparation: ZW0039Date the 200-proof Ethanol bottle was opened: 3/20/12

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

| Simulator Solution | Volume of Ethanol (mL) | Volume of Deionized Water (L)                   |                                     | Batch Number          |
|--------------------|------------------------|---|-------------------------------------|-----------------------|
| QAP 0.04           | 11.2                   | 18  | <input checked="" type="checkbox"/> | <u>12019</u>          |
| QAP 0.08           | 22.4                   | 18  | <input checked="" type="checkbox"/> | <u>12020</u>          |
| QAP 0.10           | 28.1                   | 18  | <input type="checkbox"/>            | _____                 |
| QAP 0.15           | 42.0                   | 18  | <input type="checkbox"/>            | _____                 |
| ESS                | 66.5                   | 52  | <input type="checkbox"/>            | _____                 |
|                    |                        | Stir bar is rotating                            | <input checked="" type="checkbox"/> |                       |
|                    |                        | Stirred for minimum 30 minutes; 2 hours for ESS | <input checked="" type="checkbox"/> |                       |
|                    |                        | Spigot purged                                   | <input checked="" type="checkbox"/> |                       |
|                    |                        | Aliquot taken                                   | <input checked="" type="checkbox"/> |                       |
|                    |                        | Batch labeled, packaged and sealed              | <input checked="" type="checkbox"/> | <u>4/2/12</u><br>Date |

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

  
Analyst Signature

4/2/12  
Date



Sequence Parameters:

Operator: Sarah Swenson  
Data File Naming: Prefix/Counter  
Signal 1 Prefix: SIG1  
Counter: 0001  
Signal 2 Prefix: SIG2  
Counter: 0001  
Data Directory: C:\HPCHEM\1\DATA\  
Data Subdirectory: 120402SS  
Part of Methods to run: According to Runtime Checklist  
Barcode Reader: not used  
Shutdown Cmd/Macro: none

Sequence Comment:

0.04 Control - Lot # A077459 - exp 02/2015  
0.10 Control - Lot # A083355 - exp 12/2015  
0.20 Control - Lot # A076521 - exp 12/2014

CALIBRATORS AND  
CONTROLS FILED  
IN QAP 12019.

Sequence Table (Front Injector):

Sample Information Part:

| Line | Location | Sample Information        |
|------|----------|---------------------------|
| 1    | Vial 1   |                           |
| 2    | Vial 2   | Lot#E0112-01 Exp. 4/29/12 |
| 3    | Vial 3   | Lot#E0112-02 Exp. 4/29/12 |
| 4    | Vial 4   | Lot#E0112-03 Exp. 4/29/12 |
| 5    | Vial 5   |                           |
| 6    | Vial 6   |                           |
| 7    | Vial 7   |                           |
| 8    | Vial 8   |                           |
| 9    | Vial 9   |                           |
| 10   | Vial 10  |                           |
| 11   | Vial 11  |                           |
| 12   | Vial 12  |                           |
| 13   | Vial 13  |                           |
| 14   | Vial 14  |                           |
| 15   | Vial 15  |                           |
| 16   | Vial 16  |                           |

SMS  
4/3/12

SMS

12020

| Line | Location | Sample Information |
|------|----------|--------------------|
| 17   | Vial 17  |                    |
| 18   | Vial 18  |                    |
| 19   | Vial 19  |                    |
| 20   | Vial 20  |                    |
| 21   | Vial 21  |                    |
| 22   | Vial 22  |                    |
| 23   | Vial 23  |                    |

Method and Injection Info Part:

| Line | Location | SampleName     | Method  | Inj | SampleType | InjVolume | DataFile |
|------|----------|----------------|---------|-----|------------|-----------|----------|
| 1    | Vial 1   | BLANK          | SIMALC1 | 1   | Sample     |           |          |
| 2    | Vial 2   | 0.079 CAL 1    | SIMALC1 | 1   | Calib      |           |          |
| 3    | Vial 3   | 0.158 CAL 2    | SIMALC1 | 1   | Calib      |           |          |
| 4    | Vial 4   | 0.316 CAL 3    | SIMALC1 | 1   | Calib      |           |          |
| 5    | Vial 5   | NEG CTRL - SS  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 6    | Vial 6   | 0.04 CTRL - SS | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 7    | Vial 7   | 0.10 CTRL - SS | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 8    | Vial 8   | 0.20 CTRL -SS  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 9    | Vial 9   | NEG CTRL - SS  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 10   | Vial 10  | 12019 #1       | SIMALC1 | 1   | Sample     |           |          |
| 11   | Vial 11  | 12019 #2       | SIMALC1 | 1   | Sample     |           |          |
| 12   | Vial 12  | 12019 #3       | SIMALC1 | 1   | Sample     |           |          |
| 13   | Vial 13  | 12019 #4       | SIMALC1 | 1   | Sample     |           |          |
| 14   | Vial 14  | 12019 #5       | SIMALC1 | 1   | Sample     |           |          |
| 15   | Vial 15  | 0.10 CTRL - SS | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 16   | Vial 16  | NEG CTRL - SS  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 17   | Vial 17  | 12020 #1       | SIMALC1 | 1   | Sample     |           |          |
| 18   | Vial 18  | 12020 #2       | SIMALC1 | 1   | Sample     |           |          |
| 19   | Vial 19  | 12020 #3       | SIMALC1 | 1   | Sample     |           |          |
| 20   | Vial 20  | 12020 #4       | SIMALC1 | 1   | Sample     |           |          |
| 21   | Vial 21  | 12020 #5       | SIMALC1 | 1   | Sample     |           |          |
| 22   | Vial 22  | 0.10 CTRL - SS | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 23   | Vial 23  | NEG CTRL - SS  | SIMALC1 | 1   | Ctrl Samp  |           |          |

Calibration Part:

| Line | Location | SampleName  | Method  | CalLev | Update  | RF | Update  | RT | Interval |
|------|----------|-------------|---------|--------|---------|----|---------|----|----------|
| 2    | Vial 2   | 0.079 CAL 1 | SIMALC1 | 1      | Replace |    | Replace |    |          |
| 3    | Vial 3   | 0.158 CAL 2 | SIMALC1 | 2      | Replace |    | Replace |    |          |
| 4    | Vial 4   | 0.316 CAL 3 | SIMALC1 | 3      | Replace |    | Replace |    |          |

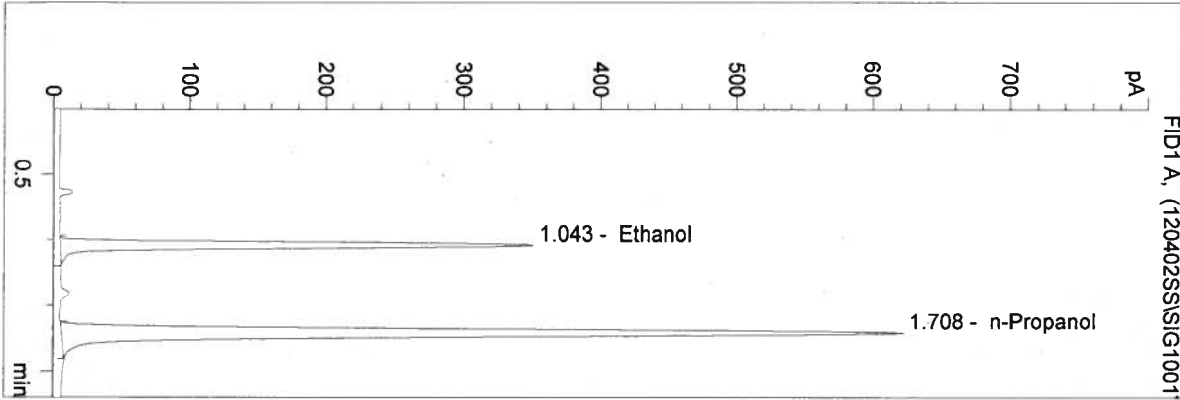
Sequence Table (Back Injector):

No entries - empty table!

SUS 12020

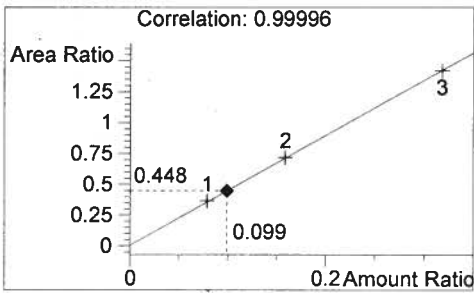
C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/2/2012 10:43:34 AM  
 Instrument 1  
 DB-ALC1

12020 #1  
 Sarah Swenson  
 vial # 17



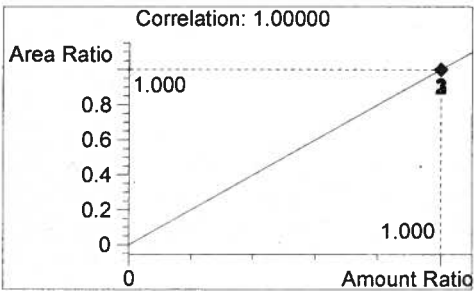
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1112 | 1.043 |
| 2 | n-Propanol | 2483 | 1.708 |

Tot



Ethanol

0.099 g/100 mL



n-Propanol

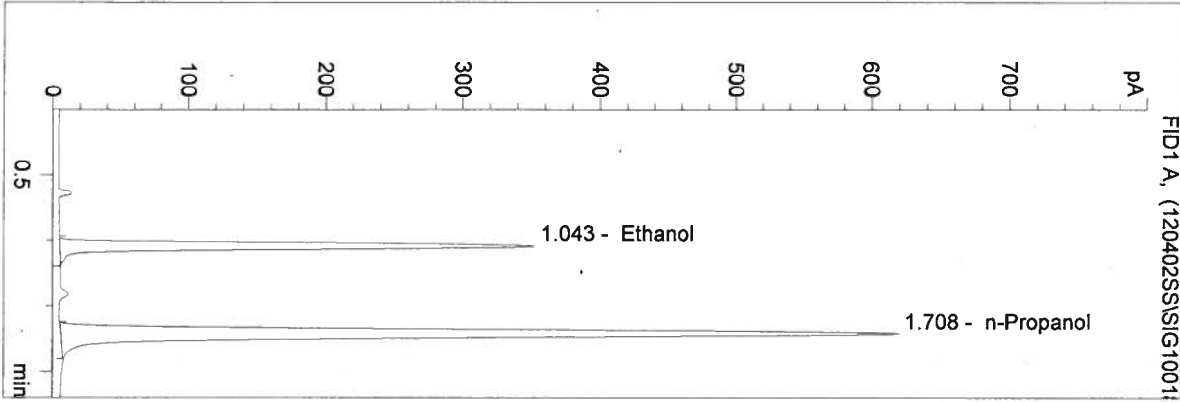
1.000 g/100 mL

SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

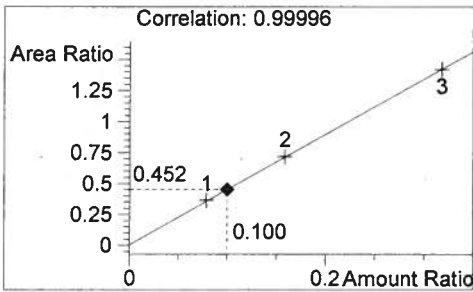
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 Instrument 1  
 DB-ALC1

12020 #2  
 Sarah Swenson  
 vial # 18



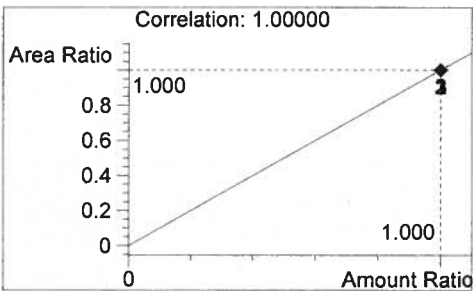
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1119 | 1.043 |
| 2 | n-Propanol | 2479 | 1.708 |

Tot



Ethanol

0.100 g/100 mL



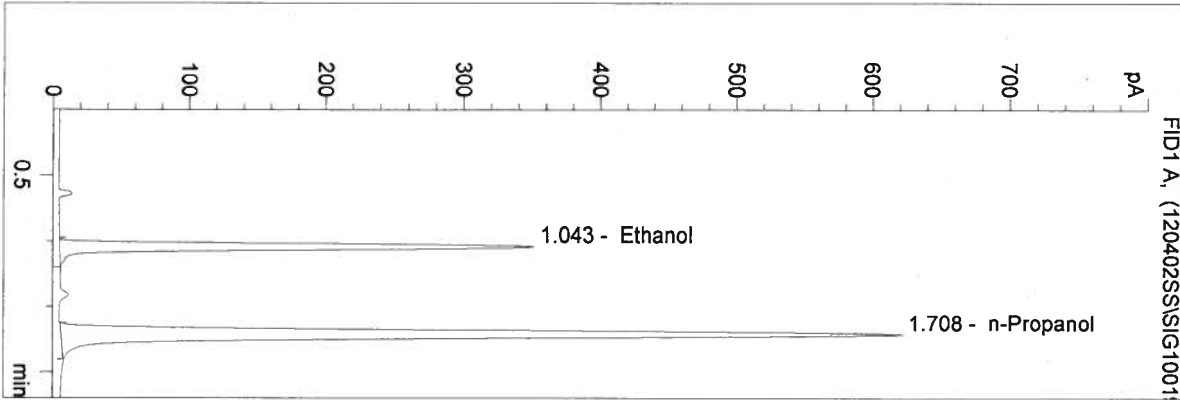
n-Propanol

1.000 g/100 mL

SMS

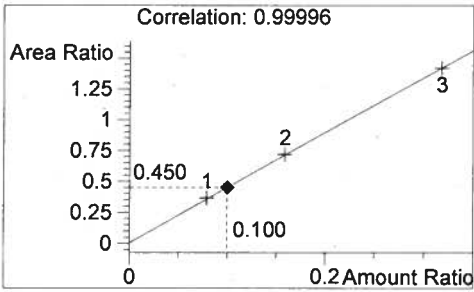
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 Instrument 1  
 DB-ALC1

12020 #3  
 Sarah Swenson  
 vial # 19



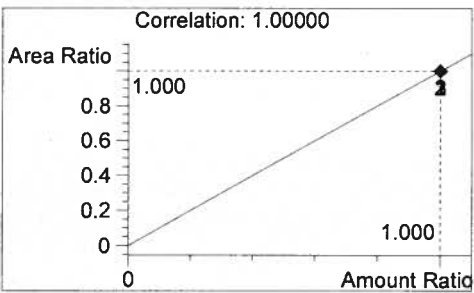
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1118 | 1.043 |
| 2 | n-Propanol | 2482 | 1.708 |

Tot



Ethanol

0.100 g/100 mL



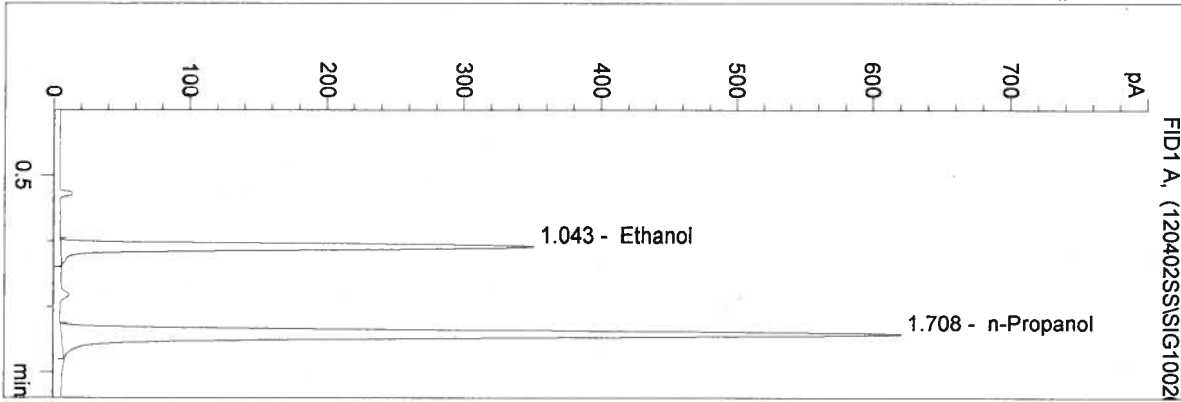
n-Propanol

1.000 g/100 mL

SMS

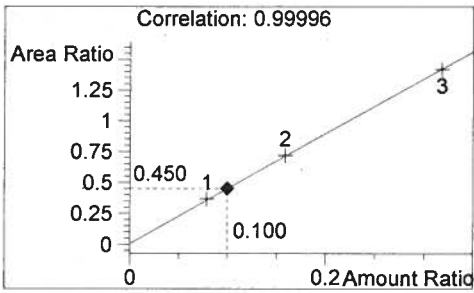
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 Instrument 1  
 DB-ALC1

12020 #4  
 Sarah Swenson  
 vial # 20



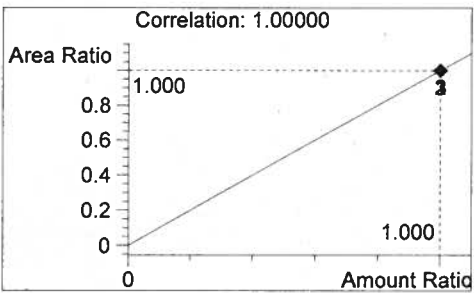
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1117 | 1.043 |
| 2 | n-Propanol | 2479 | 1.708 |

Tot



Ethanol

0.100 g/100 mL



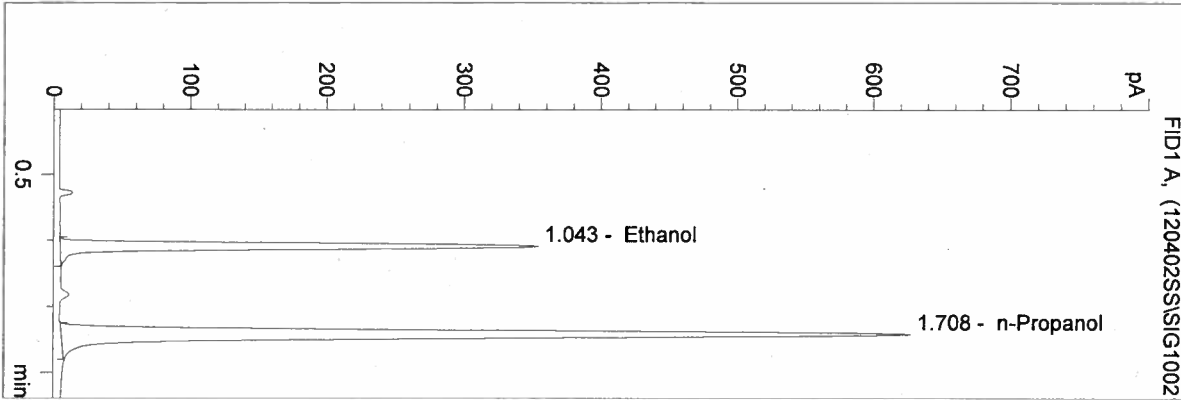
n-Propanol

1.000 g/100 mL

S/S

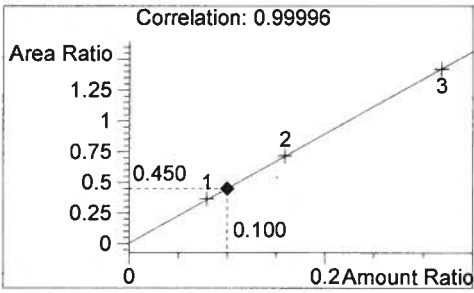
C:\HPCHEM\1\METHODS\SIMALC1.M  
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 Instrument 1  
 DB-ALC1

12020 #5  
 Sarah Swenson  
 vial # 21



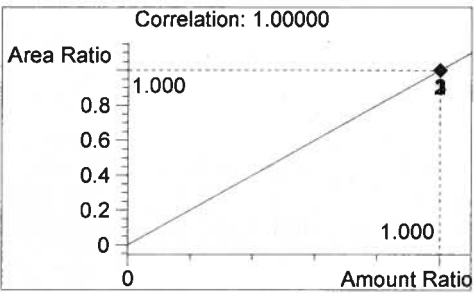
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1124 | 1.043 |
| 2 | n-Propanol | 2499 | 1.708 |

Tot



Ethanol

0.100 g/100 mL



n-Propanol

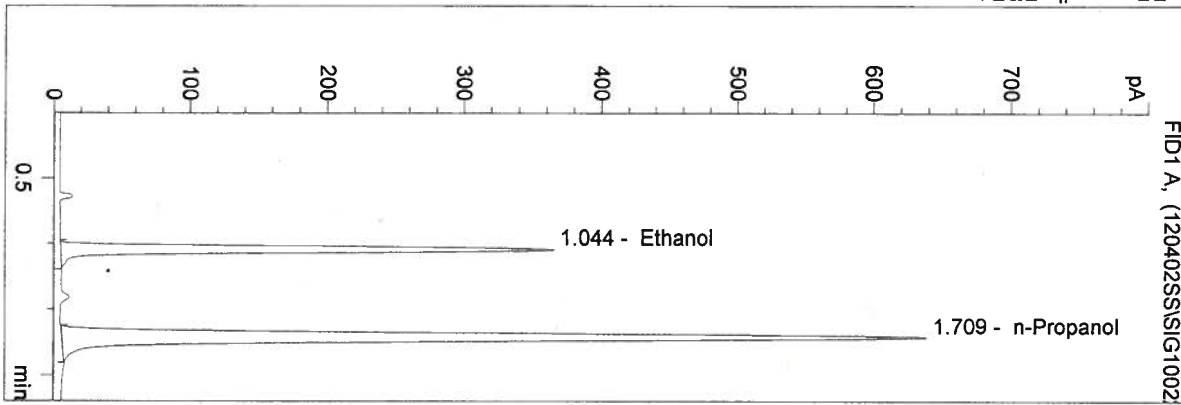
1.000 g/100 mL

SUS

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 Instrument 1  
 DB-ALC1

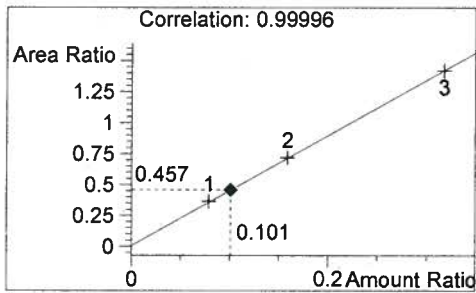
0.10 CTRL - SS  
 Sarah Swenson

vial # 22



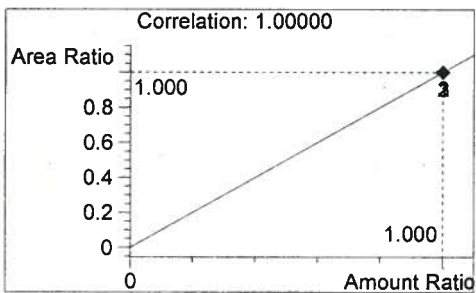
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1165 | 1.044 |
| 2 | n-Propanol | 2552 | 1.709 |

Tot



Ethanol

0.101 g/100 mL



n-Propanol

1.000 g/100 mL

12020

(SWS)

4/8/12

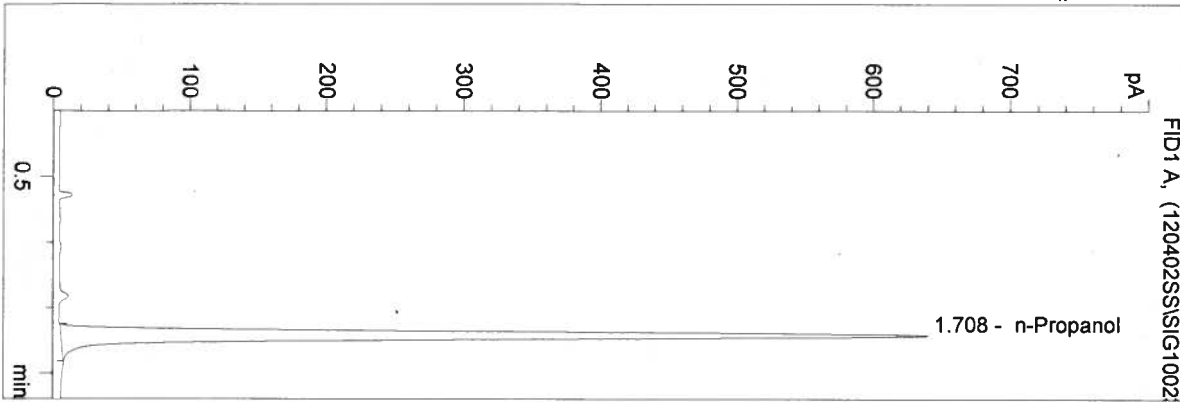
SWS



C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/2/2012 11:02:02 AM  
 Instrument 1  
 DB-ALC1

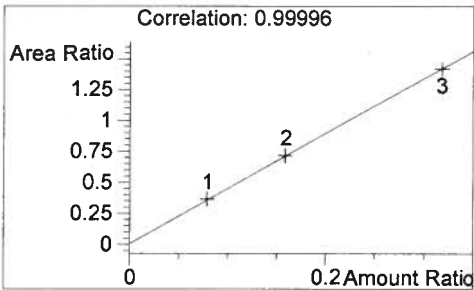
NEG CTRL - SS  
 Sarah Swenson

vial # 23



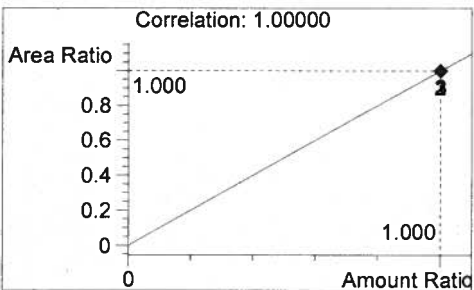
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 0    | 0.000 |
| 2 | n-Propanol | 2563 | 1.708 |

Tot



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

12020

SMS

Sequence Parameters:

Operator: Dawn Cox  
Data File Naming: Prefix/Counter  
Signal 1 Prefix: SIG1  
Counter: 0001  
Signal 2 Prefix: SIG2  
Counter: 0001  
Data Directory: C:\HPCHEM\1\DATA\  
Data Subdirectory: 120410DC  
Part of Methods to run: According to Runtime Checklist  
Barcode Reader: not used  
Shutdown Cmd/Macro: none

Sequence Comment:

Cal 1 Lot# E0112-01 Exp 04/29/12  
Cal 2 Lot# E0112-02 Exp 04/29/12  
Cal 3 Lot# E0112-03 Exp 04/29/12  
0.04 Control - Lot # A077459 - exp 02/2015  
0.10 Control - Lot # A083355 - exp 12/2015  
0.20 Control - Lot # A076521 - exp 12/2014

*calibrators and controls are  
stored with 12019*

Sequence Table (Front Injector):

Sample Information Part:

Line Location Sample Information

==== =====

1 Vial 1  
2 Vial 2 Lot# E0112-01  
3 Vial 3 Lot# E0112-02  
4 Vial 4 Lot# E0112-03  
5 Vial 5  
6 Vial 6 Lot# A077459  
7 Vial 7 Lot# A083355  
8 Vial 8 Lot# A076521  
9 Vial 9  
10 Vial 10  
11 Vial 11  
12 Vial 12  
13 Vial 13  
14 Vial 14  
15 Vial 15 Lot# A083355

12020

*DC*

16 Vial 16  
 17 Vial 17  
 18 Vial 18  
 19 Vial 19  
 20 Vial 20  
 21 Vial 21  
 22 Vial 22 Lot# A083355  
 23 Vial 23

Method and Injection Info Part:

| Line | Location | SampleName     | Method  | Inj | SampleType | InjVolume | DataFile |
|------|----------|----------------|---------|-----|------------|-----------|----------|
| 1    | Vial 1   | BLANK          | SIMALC1 | 1   | Sample     |           |          |
| 2    | Vial 2   | 0.079 CAL 1    | SIMALC1 | 1   | Calib      |           |          |
| 3    | Vial 3   | 0.158 CAL 2    | SIMALC1 | 1   | Calib      |           |          |
| 4    | Vial 4   | 0.316 CAL 3    | SIMALC1 | 1   | Calib      |           |          |
| 5    | Vial 5   | NEG CTRL - DC  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 6    | Vial 6   | 0.04 CTRL - DC | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 7    | Vial 7   | 0.10 CTRL - DC | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 8    | Vial 8   | 0.20 CTRL -DC  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 9    | Vial 9   | NEG CTRL - DC  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 10   | Vial 10  | 12019 #1       | SIMALC1 | 1   | Sample     |           |          |
| 11   | Vial 11  | 12019 #2       | SIMALC1 | 1   | Sample     |           |          |
| 12   | Vial 12  | 12019 #3       | SIMALC1 | 1   | Sample     |           |          |
| 13   | Vial 13  | 12019 #4       | SIMALC1 | 1   | Sample     |           |          |
| 14   | Vial 14  | 12019 #5       | SIMALC1 | 1   | Sample     |           |          |
| 15   | Vial 15  | 0.10 CTRL - DC | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 16   | Vial 16  | NEG CTRL - DC  | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 17   | Vial 17  | 12020 #1       | SIMALC1 | 1   | Sample     |           |          |
| 18   | Vial 18  | 12020 #2       | SIMALC1 | 1   | Sample     |           |          |
| 19   | Vial 19  | 12020 #3       | SIMALC1 | 1   | Sample     |           |          |
| 20   | Vial 20  | 12020 #4       | SIMALC1 | 1   | Sample     |           |          |
| 21   | Vial 21  | 12020 #5       | SIMALC1 | 1   | Sample     |           |          |
| 22   | Vial 22  | 0.10 CTRL - DC | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 23   | Vial 23  | NEG CTRL - DC  | SIMALC1 | 1   | Ctrl Samp  |           |          |

Calibration Part:

| Line | Location | SampleName  | Method  | CalLev | Update  | RF | Update  | RT | Interval |
|------|----------|-------------|---------|--------|---------|----|---------|----|----------|
| 2    | Vial 2   | 0.079 CAL 1 | SIMALC1 | 1      | Replace |    | Replace |    |          |
| 3    | Vial 3   | 0.158 CAL 2 | SIMALC1 | 2      | Replace |    | Replace |    |          |
| 4    | Vial 4   | 0.316 CAL 3 | SIMALC1 | 3      | Replace |    | Replace |    |          |

Sequence Table (Back Injector):

No entries - empty table!

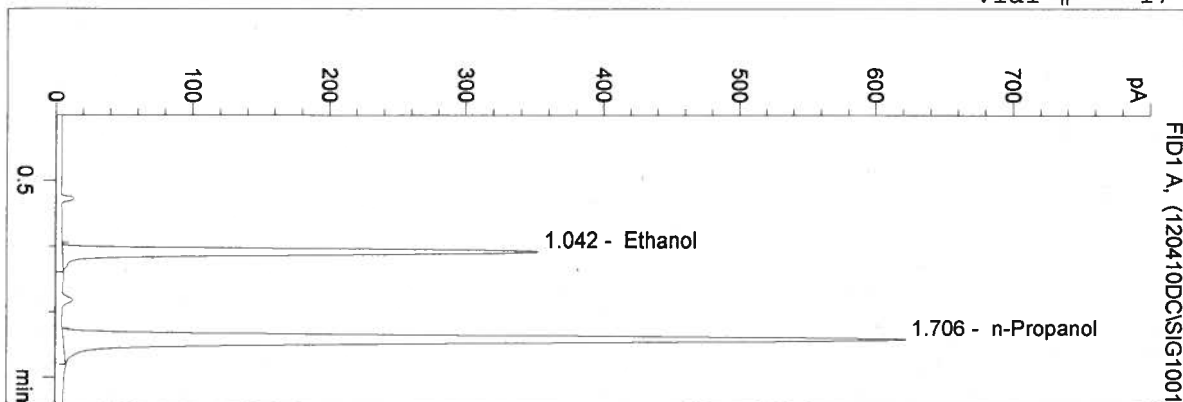
12020

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:33:58 AM  
 Instrument 1  
 DB-ALC1

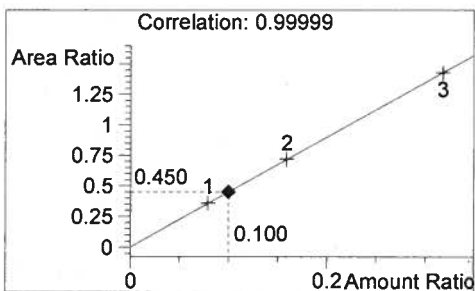
12020 #1  
 Dawn Cox

vial # 17



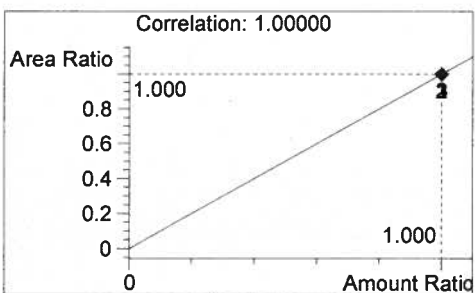
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1113 | 1.042 |
| 2 | n-Propanol | 2473 | 1.706 |

Tot



Ethanol

0.100 g/100 mL



n-Propanol

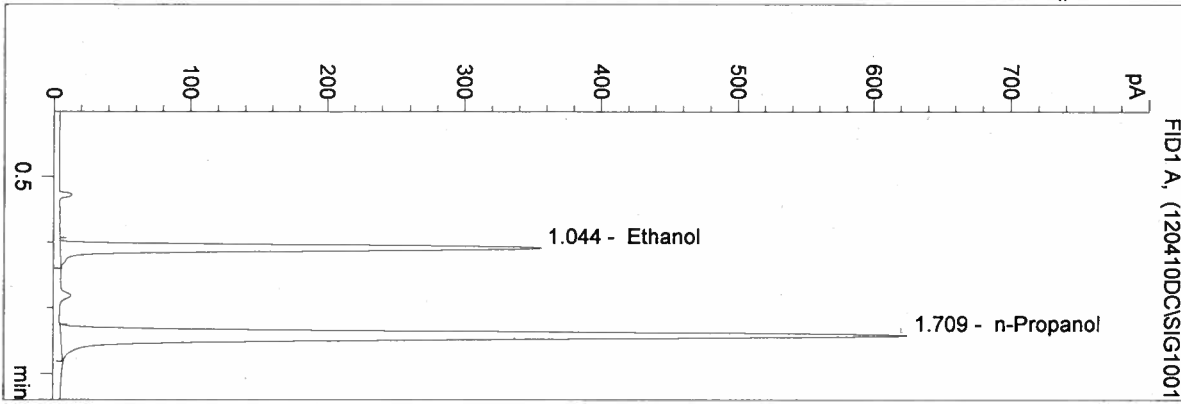
1.000 g/100 mL

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:37:03 AM  
 Instrument 1  
 DB-ALC1

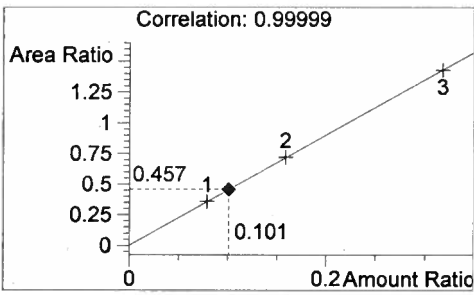
12020 #2  
 Dawn Cox

vial # 18



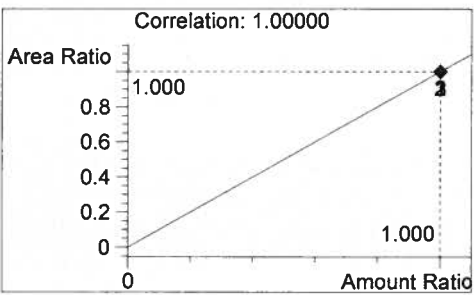
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1142 | 1.044 |
| 2 | n-Propanol | 2499 | 1.709 |

Tot



Ethanol

0.101 g/100 mL



n-Propanol

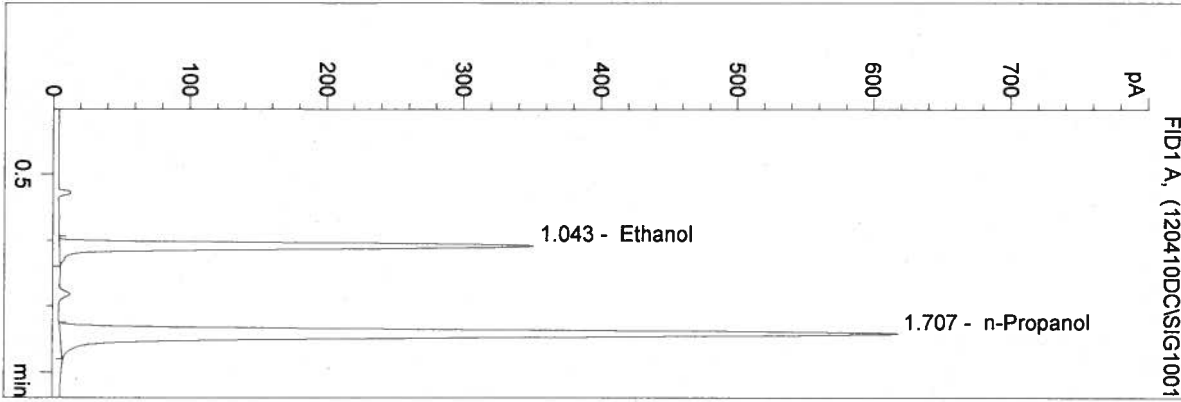
1.000 g/100 mL

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:40:08 AM  
 Instrument 1  
 DB-ALC1

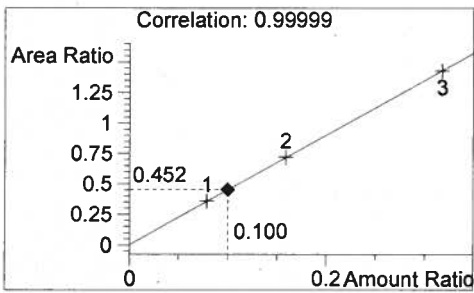
12020 #3  
 Dawn Cox

vial # 19



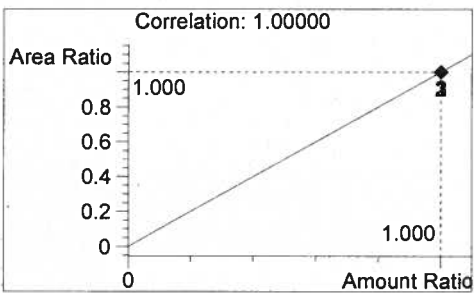
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1113 | 1.043 |
| 2 | n-Propanol | 2463 | 1.707 |

Tot



Ethanol

0.100 g/100 mL



n-Propanol

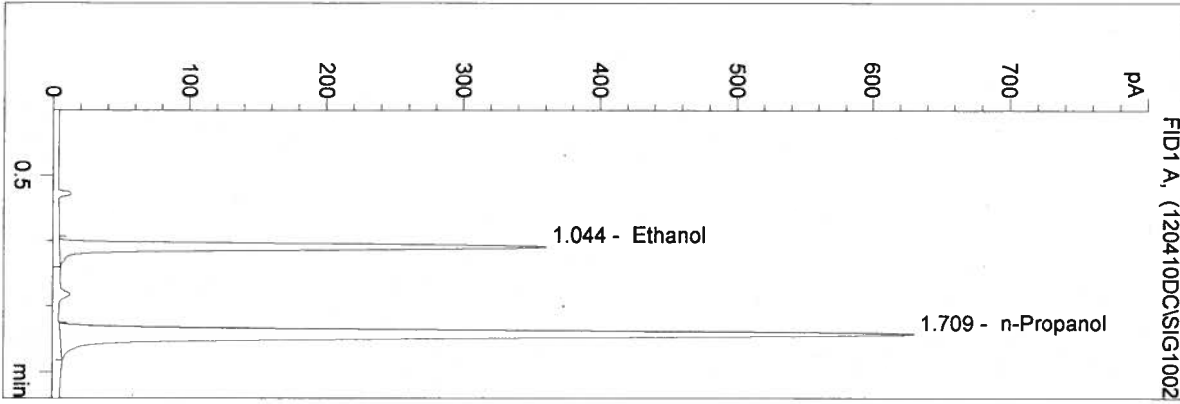
1.000 g/100 mL

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:43:12 AM  
 Instrument 1  
 DB-ALC1

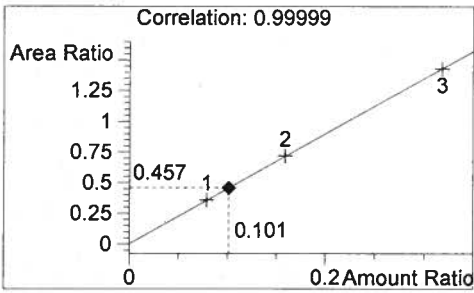
12020 #4  
 Dawn Cox

vial # 20



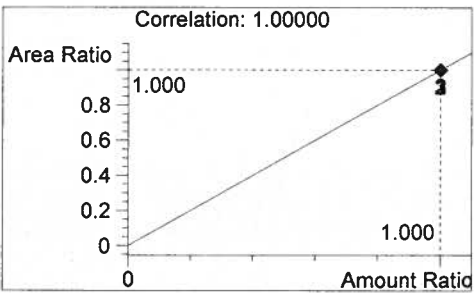
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1150 | 1.044 |
| 2 | n-Propanol | 2515 | 1.709 |

Tot



Ethanol

0.101 g/100 mL



n-Propanol

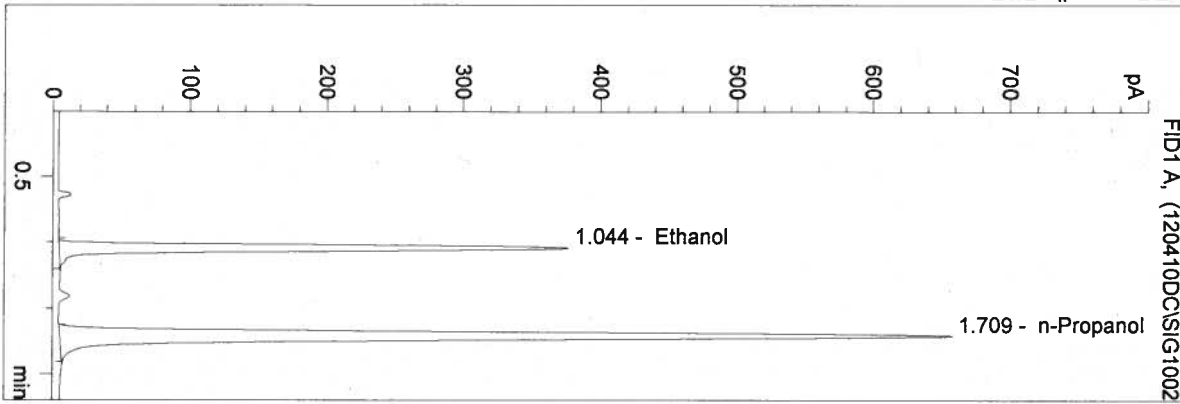
1.000 g/100 mL

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:46:17 AM  
 Instrument 1  
 DB-ALC1

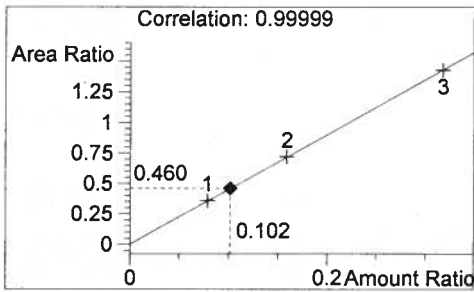
12020 #5  
 Dawn Cox

vial # 21



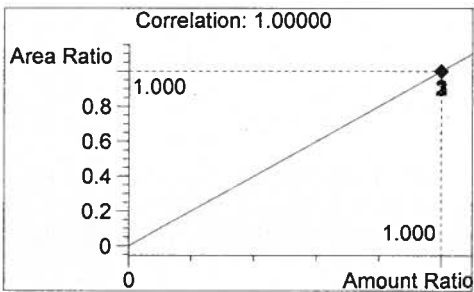
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1210 | 1.044 |
| 2 | n-Propanol | 2632 | 1.709 |

Tot



Ethanol

0.102 g/100 mL



n-Propanol

1.000 g/100 mL

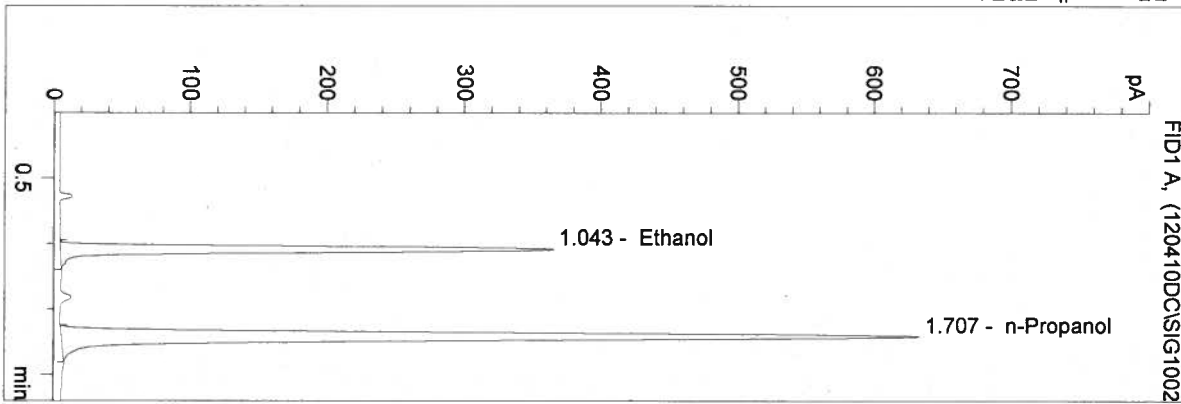
DC



C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:49:22 AM  
 Instrument 1  
 DB-ALC1

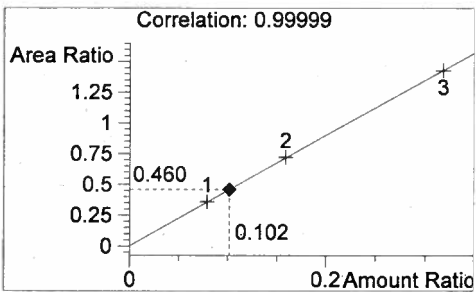
0.10 CTRL - DC  
 Dawn Cox

vial # 22



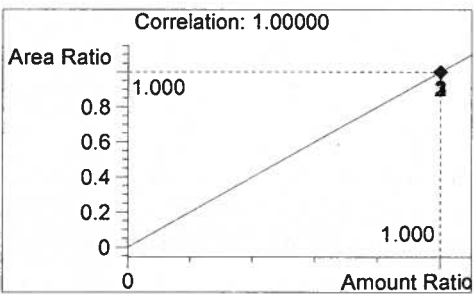
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1160 | 1.043 |
| 2 | n-Propanol | 2524 | 1.707 |

Tot



Ethanol

0.102 g/100 mL



n-Propanol

1.000 g/100 mL

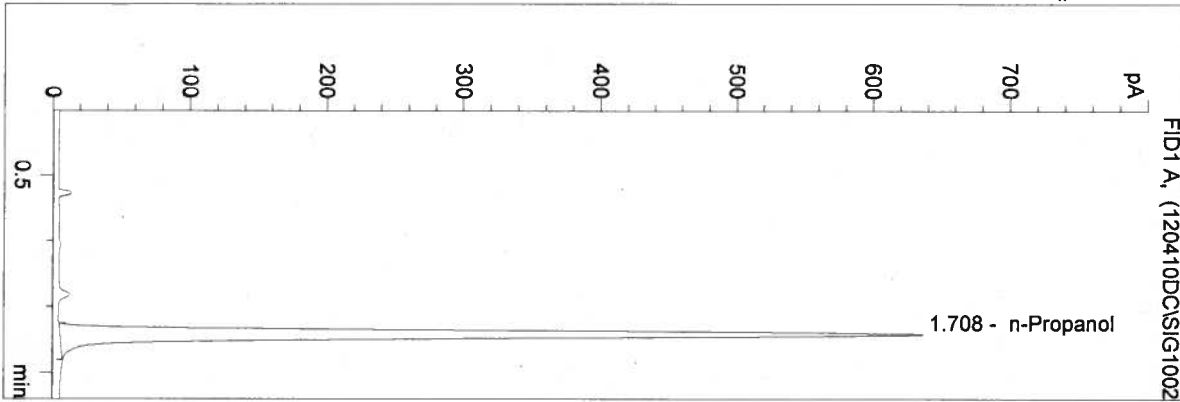
12020

DC

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/10/2012 10:52:27 AM  
 Instrument 1  
 DB-ALC1

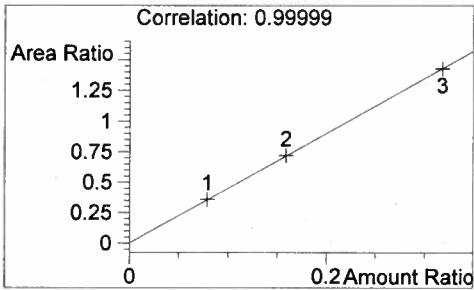
NEG CTRL - DC  
 Dawn Cox

vial # 23



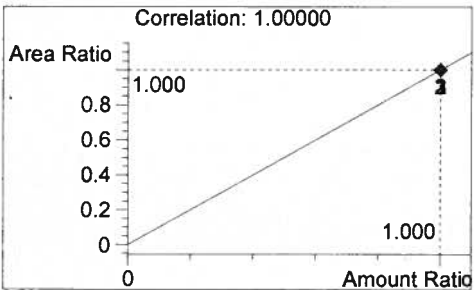
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 0    | 0.000 |
| 2 | n-Propanol | 2539 | 1.708 |

Tot



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

12020

DC

Calibration data with  
12019 JK 4-11-12

Sequence Parameters:

Operator: Justin Knoy

Data File Naming: Prefix/Counter

Signal 1 Prefix: SIG1

Counter: 0001

Signal 2 Prefix: SIG2

Counter: 0001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 120411JK

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012

Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012

Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015

0.10 Control - Lot #A083355 - Exp. 12/2015

0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

| Line | Location | Sample Information                               |
|------|----------|--|
| 1    | Vial 1   |  |
| 2    | Vial 2   | Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012 |
| 3    | Vial 3   | Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012 |
| 4    | Vial 4   | Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012 |
| 5    | Vial 5   |  |
| 6    | Vial 6   |  |
| 7    | Vial 7   |  |
| 8    | Vial 8   |  |
| 9    | Vial 9   |  |
| 10   | Vial 10  |  |
| 11   | Vial 11  |  |
| 12   | Vial 12  |  |
| 13   | Vial 13  |  |
| 14   | Vial 14  |  |

12020

Line Location Sample Information

```

=====
15 Vial 15
16 Vial 16
17 Vial 17
18 Vial 18
19 Vial 19
20 Vial 20
21 Vial 21
22 Vial 22
23 Vial 23
    
```

Method and Injection Info Part:

| Line | Location | SampleName     | Method  | Inj | SampleType | InjVolume | DataFile |
|------|----------|----------------|---------|-----|------------|-----------|----------|
| 1    | Vial 1   | BLANK          | SIMALC1 | 1   | Sample     |           |          |
| 2    | Vial 2   | 0.079 CAL 1    | SIMALC1 | 1   | Calib      |           |          |
| 3    | Vial 3   | 0.158 CAL 2    | SIMALC1 | 1   | Calib      |           |          |
| 4    | Vial 4   | 0.316 CAL 3    | SIMALC1 | 1   | Calib      |           |          |
| 5    | Vial 5   | NEG CTRL JK    | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 6    | Vial 6   | 0.04 CTRL - JK | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 7    | Vial 7   | 0.10 CTRL - JK | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 8    | Vial 8   | 0.20 CTRL - JK | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 9    | Vial 9   | NEG CTRL JK    | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 10   | Vial 10  | 12019-1        | SIMALC1 | 1   | Sample     |           |          |
| 11   | Vial 11  | 12019-2        | SIMALC1 | 1   | Sample     |           |          |
| 12   | Vial 12  | 12019-3        | SIMALC1 | 1   | Sample     |           |          |
| 13   | Vial 13  | 12019-4        | SIMALC1 | 1   | Sample     |           |          |
| 14   | Vial 14  | 12019-5        | SIMALC1 | 1   | Sample     |           |          |
| 15   | Vial 15  | 0.10 CTRL JK   | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 16   | Vial 16  | NEG CTRL JK    | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 17   | Vial 17  | 12020-1        | SIMALC1 | 1   | Sample     |           |          |
| 18   | Vial 18  | 12020-2        | SIMALC1 | 1   | Sample     |           |          |
| 19   | Vial 19  | 12020-3        | SIMALC1 | 1   | Sample     |           |          |
| 20   | Vial 20  | 12020-4        | SIMALC1 | 1   | Sample     |           |          |
| 21   | Vial 21  | 12020-5        | SIMALC1 | 1   | Sample     |           |          |
| 22   | Vial 22  | 0.10 CTRL JK   | SIMALC1 | 1   | Ctrl Samp  |           |          |
| 23   | Vial 23  | NEG CTRL JK    | SIMALC1 | 1   | Ctrl Samp  |           |          |

Calibration Part:

| Line | Location | SampleName  | Method  | CalLev | Update RF | Update RT | Interval |
|------|----------|-------------|---------|--------|-----------|-----------|----------|
| 2    | Vial 2   | 0.079 CAL 1 | SIMALC1 | 1      | Replace   | Replace   |          |
| 3    | Vial 3   | 0.158 CAL 2 | SIMALC1 | 2      | Replace   | Replace   |          |
| 4    | Vial 4   | 0.316 CAL 3 | SIMALC1 | 3      | Replace   | Replace   |          |

12020

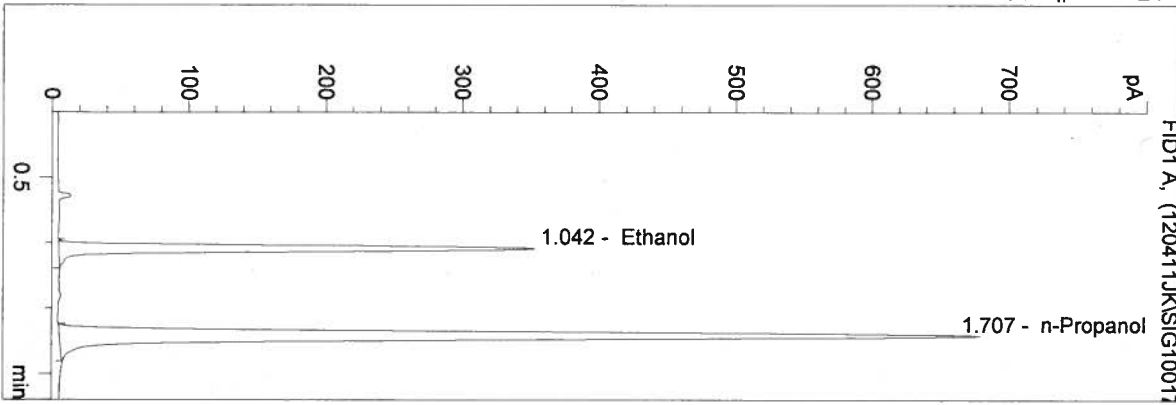
Sequence Table (Back Injector):

No entries - empty table!

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:40:46 PM  
 Instrument 1  
 DB-ALC1

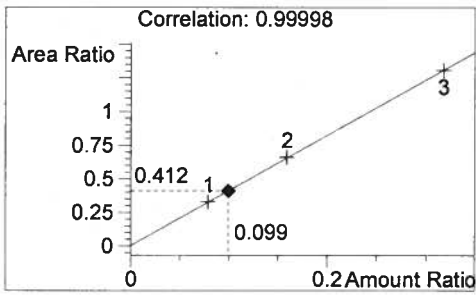
12020-1  
 Justin Knoy

vial # 17



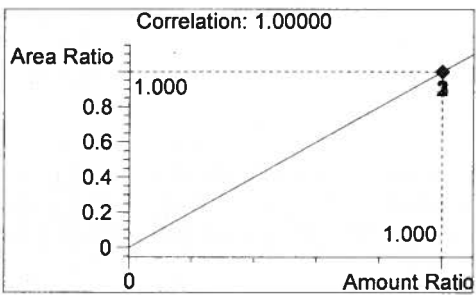
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1111 | 1.042 |
| 2 | n-Propanol | 2698 | 1.707 |

Tot



Ethanol

0.099 g/100 mL



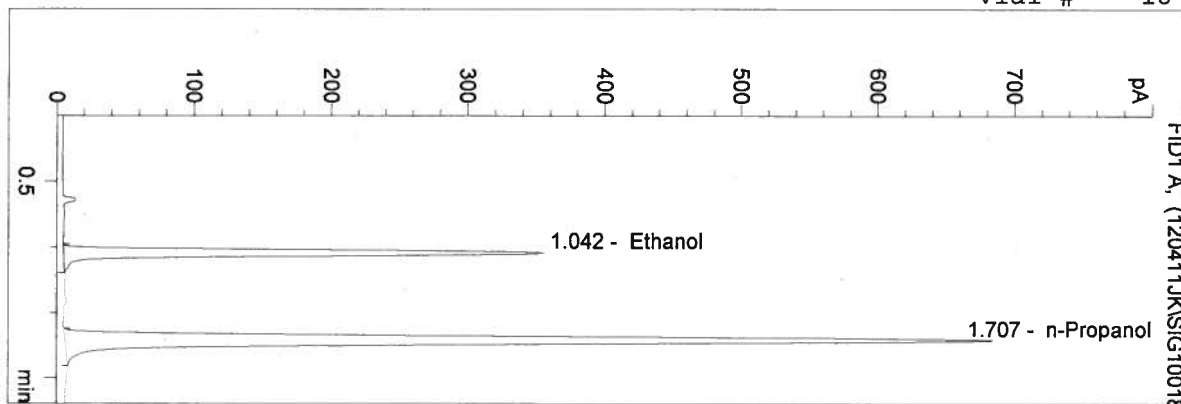
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:43:51 PM  
 Instrument 1  
 DB-ALC1

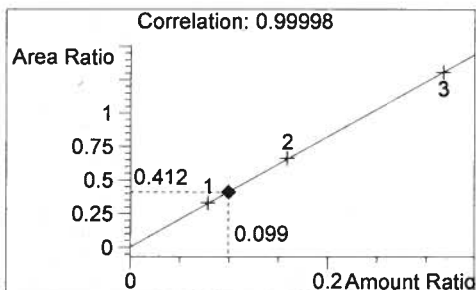
12020-2  
 Justin Knoy

vial # 18



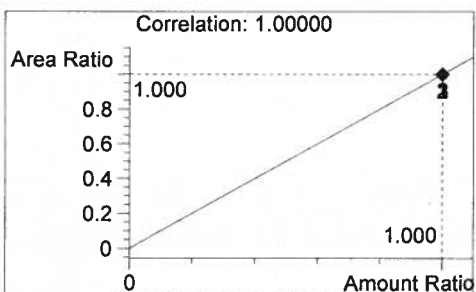
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1118 | 1.042 |
| 2 | n-Propanol | 2715 | 1.707 |

Tot



Ethanol

0.099 g/100 mL



n-Propanol

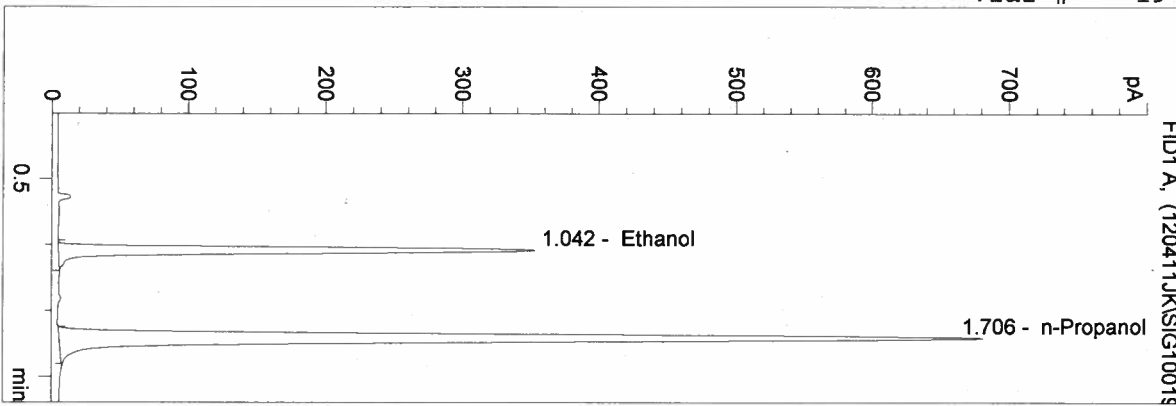
1.000 g/100 mL

JK

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:46:56 PM  
 Instrument 1  
 DB-ALC1

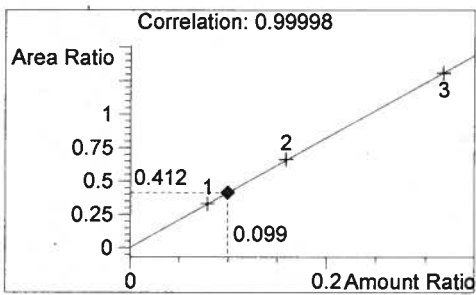
12020-3  
 Justin Knoy

vial # 19



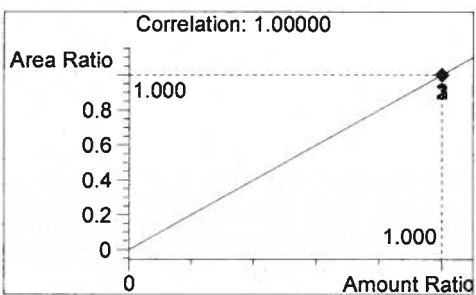
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1115 | 1.042 |
| 2 | n-Propanol | 2705 | 1.706 |

Tot



Ethanol

0.099 g/100 mL



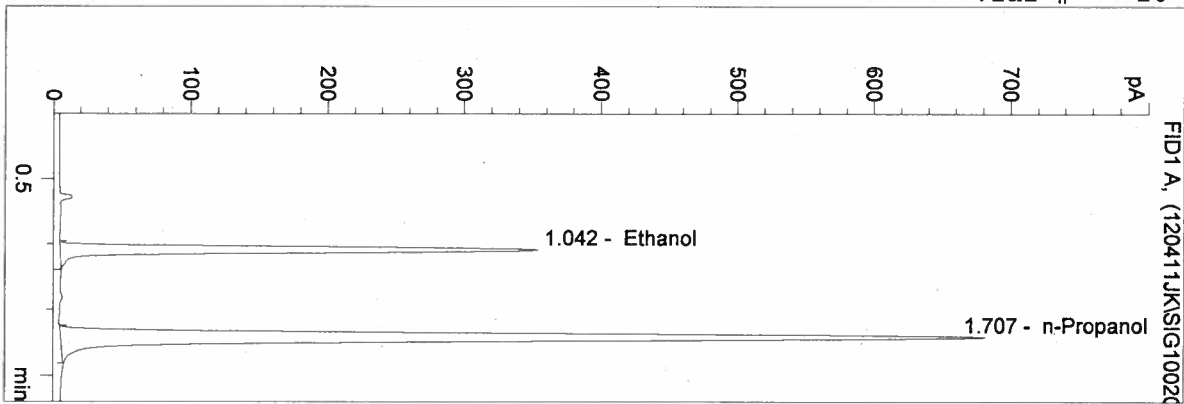
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:50:00 PM  
 Instrument 1  
 DB-ALC1

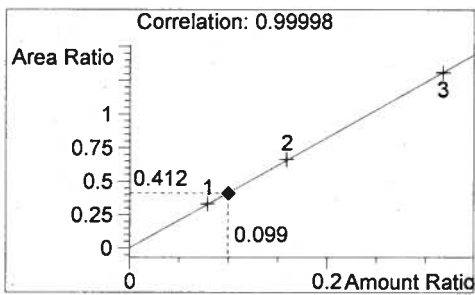
12020-4  
 Justin Knoy

vial # 20



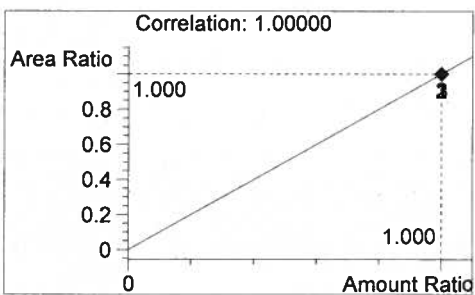
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1114 | 1.042 |
| 2 | n-Propanol | 2706 | 1.707 |

Tot



Ethanol

0.099 g/100 mL



n-Propanol

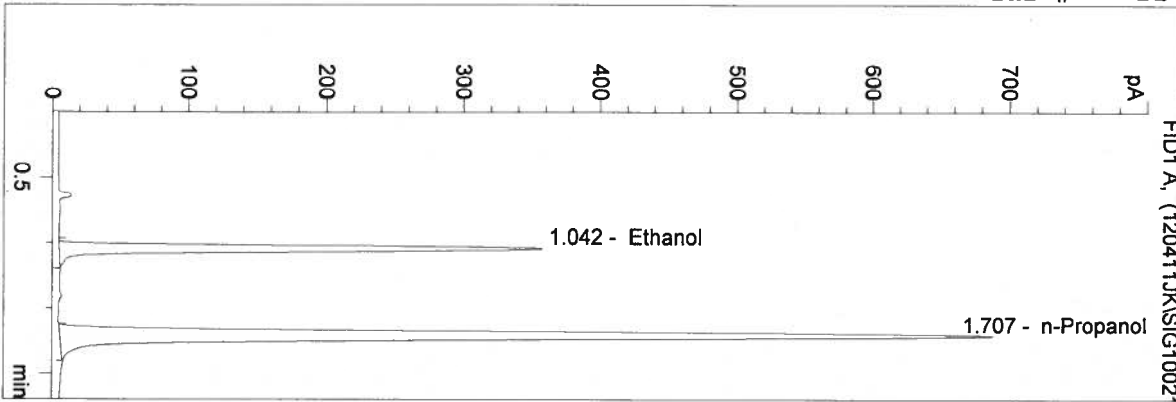
1.000 g/100 mL



C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:53:05 PM  
 Instrument 1  
 DB-ALC1

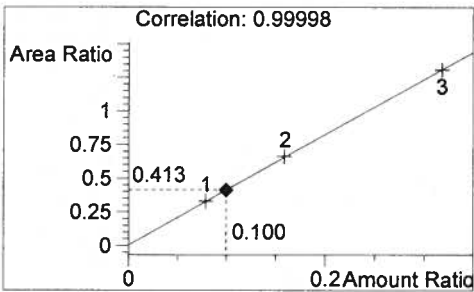
12020-5  
 Justin Knoy

vial # 21



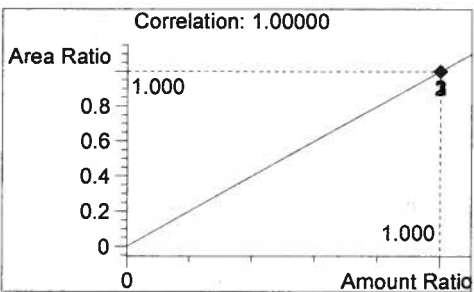
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1129 | 1.042 |
| 2 | n-Propanol | 2734 | 1.707 |

Tot



Ethanol

0.100 g/100 mL



n-Propanol

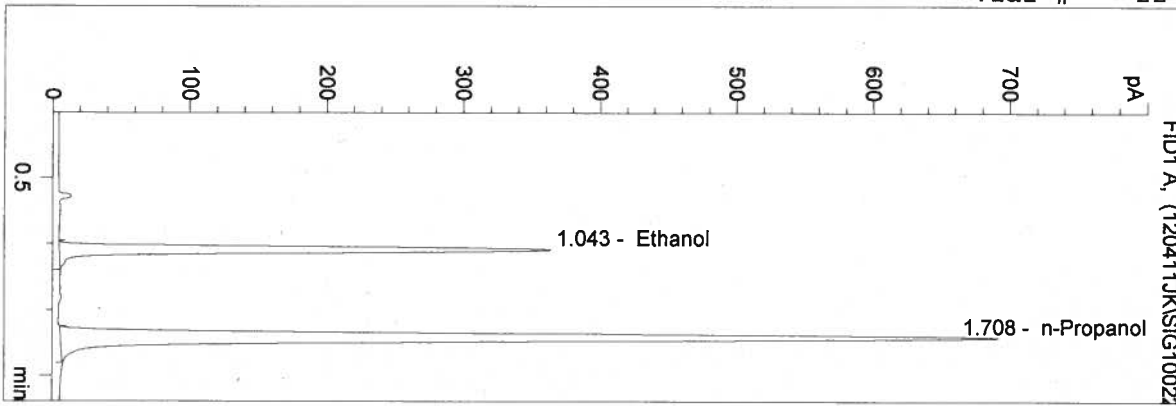
1.000 g/100 mL

*OK*

C:\HPCHEM\1\METHODS\SIMALC1.M  
 4/11/2012 2:56:10 PM  
 Instrument 1  
 DB-ALC1

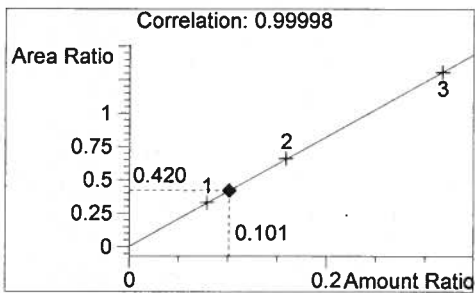
0.10 CTRL JK  
 Justin Knoy

vial # 22



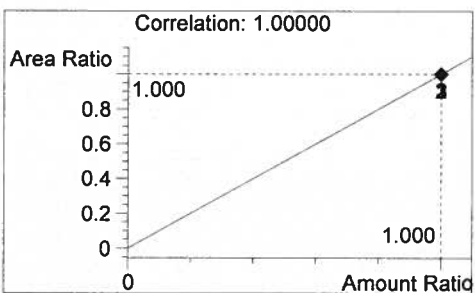
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 1153 | 1.043 |
| 2 | n-Propanol | 2746 | 1.708 |

Tot



Ethanol

0.101 g/100 mL



n-Propanol

1.000 g/100 mL

12020

C:\HPCHEM\1\METHODS\SIMALC1.M

4/11/2012 2:59:15 PM

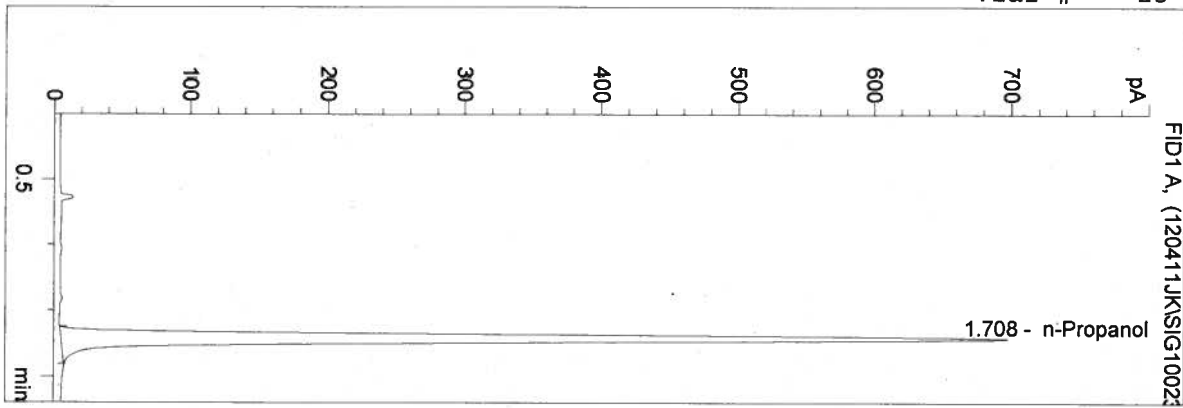
Instrument 1

DB-ALC1

NEG CTRL JK

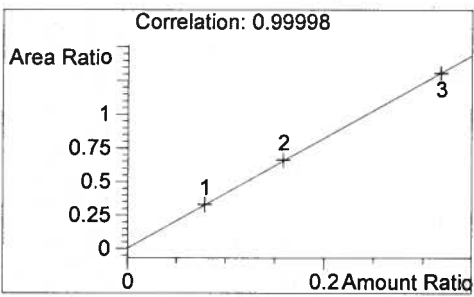
Justin Knoy

vial # 23



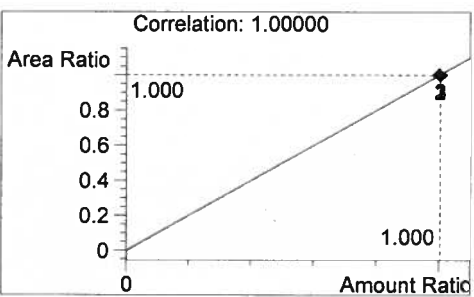
| # | Compound   | Area | RT    |
|---|------------|------|-------|
| 1 | Ethanol    | 0    | 0.000 |
| 2 | n-Propanol | 2777 | 1.708 |

Tot



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

12020