**WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION**
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2009

# EXTERNAL STANDARD SOLUTION TEST REPORT

**BATCH REPORT: 11054**

**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: 12/06/2011
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Christie Mitchell

| | CM | CSJ | RF | AJL | SS | BP | DC | JLK |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.101 | 0.098 | 0.103 | 0.099 | 0.103 | 0.099 | 0.101 | 0.102 |
| 2 | 0.102 | 0.098 | 0.106 | 0.098 | 0.100 | 0.101 | 0.102 | 0.102 |
| 3 | 0.102 | 0.099 | 0.103 | 0.098 | 0.101 | 0.099 | 0.101 | 0.102 |
| 4 | 0.101 | 0.099 | 0.102 | 0.098 | 0.101 | 0.101 | 0.102 | 0.102 |
| 5 | 0.101 | 0.099 | 0.102 | 0.098 | 0.101 | 0.101 | 0.102 | 0.102 |
| C | 0.099 | 0.096 | 0.101 | 0.096 | 0.098 | 0.097 | 0.099 | 0.100 |

**ETHANOL CONTROL INFORMATION**
LOT NUMBER: A075806 EXPIRATION: 11/2014 CONCENTRATION: 0.10 g/100mL

**RESULTS OF TESTING**
AVERAGE SOLUTION CONCENTRATION: 0.1008 g/100mL
STANDARD DEVIATION: 0.00180
PRECISION CV (%): 1.79
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0820 g/210L**
EXPANDED UNCERTAINTY: ± 0.0046 (k=2, 95% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

Melissa L. Pemberton FS-5
Melissa L. Pemberton — Forensic Scientist Supervisor

12-20-2011
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

| ANALYST | NAME | SIGNATURE | DATE TESTED |
|---|---|---|---|
| CM | Christie Mitchell | Christie Mitchell | 12/06/2011 |
| CSJ | Christopher S. Johnston | | 12/06/2011 |
| RF | Rebecca Flaherty | | 12/07/2011 |
| AJL | Asa J. Louis | Louis | 12/08/2011 |
| SS | Sarah Swenson | | 12/08/2011 |
| BP | Brianna Peterson | Brianna Peterson | 12/08/2011 |
| DC | Dawn Cox | | 12/09/2011 |
| JLK | Justin L. Knoy | | 12/09/2011 |

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

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

**External Standard Solution Batch #: 11054** **Date Prepared: 12/6/2011**

| Analyst: | CM | CSJ | RF | AJL | SS | BP | DC | JLK |
|---|---|---|---|---|---|---|---|---|
| Date Tested: | 12/6/2011 | 12/6/2011 | 12/7/2011 | 12/8/2011 | 12/8/2011 | 12/8/2011 | 12/9/2011 | 12/9/2011 |
| Instrument: | HS#3 | HS#3 | HS#3 | HS#3 | HS#3 | HS#3 | HS#3 | HS#3 |
| 1 | 0.101 | 0.098 | 0.103 | 0.099 | 0.103 | 0.099 | 0.101 | 0.102 |
| 2 | 0.102 | 0.098 | 0.106 | 0.098 | 0.100 | 0.101 | 0.102 | 0.102 |
| 3 | 0.102 | 0.099 | 0.103 | 0.098 | 0.101 | 0.099 | 0.101 | 0.102 |
| 4 | 0.101 | 0.099 | 0.102 | 0.098 | 0.101 | 0.101 | 0.102 | 0.102 |
| 5 | 0.101 | 0.099 | 0.102 | 0.098 | 0.101 | 0.101 | 0.102 | 0.102 |
| C | 0.099 | 0.096 | 0.101 | 0.096 | 0.098 | 0.097 | 0.099 | 0.100 |

| $CV^2_{COA}$ | $CV^2_{Ext\ Solution}$ | $CV^2_{Control}$ | $CV^2_{Part\ Coef}$ |
|---|---|---|---|
| 0.0000084100 | 0.0003189785 | 0.0003477801 | 0.0001016326 |

Ethanol Control Lot #: A075806
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1008 g/100mL
Standard Deviation: 0.00180 g/100mL
Precision CV (%): 1.79
Equivalent Vapor Concentration: 0.0820 g/210L
Combined Standard Uncertainty (±): 0.0023 g/210L
Expanded Uncertainty (±): 0.0046 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton Melissa Pemberton 12-13-2011
Name Signature Date

Calculations verified by: Jason Skleron 12/16/11
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:

Melissa L. Pemberton Melissa Pemberton 12-15-2011
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

# SIMULATOR SOLUTION DATA ENTRY REVIEW

**Reviewer/s:** Jason Sklerov **Date:** 12/16/11

**Location:** WSP-FLSB; Seattle, WA **Solution Batch Number:** 11054

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

**Comments:**

**Reviewer Signature:** (SKLEROV) **Date:** 11/16/11

**Reviewer Signature:** N/A 11/16/11 **Date:**

Washington State Patrol Toxicology Laboratory Division

# SIMULATOR SOLUTION DATA ENTRY REVIEW

**Reviewer/s:** Jason Sklerov **Date:** 12/16/11

**Location:** WSP-FLSB; Seattle, WA **Solution Batch Number:** 11054

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

**Comments:**

**Reviewer Signature:** (SKLEROV) **Date:** 12/16/11 admin error corrected 7-31-12 OB

**Reviewer Signature:** N/A 12/16/11 admin error corrected 7-31-12 OB **Date:**

Washington State Patrol Toxicology Laboratory Division

# 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** | AL | 2011 12 13 |
| **Brian Capron** | | |
| **Brianna Peterson** | BP | 12/13/11 |
| **Brianne O'Reilly** | | |
| **Brittany Ball** | | |
| **Christie Mitchell** | CM | 12/13/11 |
| **Christopher Johnston** | CJ | 12/13/11 |
| **Dawn Cox** | DC | 12.14.11 |
| **Justin Knoy** | JK | 12.13.11 |
| **Lisa Noble** | | |
| **Melissa Pemberton** | | |
| **Naziha Nuwayhid** | | |
| **Rebecca Flaherty** | RF | 12-13-11 |
| **Sarah Swenson** | SMS | 12/13/11 |

Batch # 11054

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 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

I, Christie Mitchell, 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: BA degree in Chemistry, MFS degree in Forensic Science, and over three years experience in forensic toxicology.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

Christie Mitchell 12/13/2011

Christie Mitchell Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

I, Christopher S. Johnston, 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 Biochemistry.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

12/13/2011

Christopher S. Johnston — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

12·13·11

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

2011213

Asa J. Louis Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

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 eight years of experience in forensic toxicology.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

12/13/11

Sarah M. Swenson — Date

Forensic Toxicologist

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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

I, Brianna Peterson, 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, MS degree in Forensic Science, Ph.D. degree in Toxicology, and five years of experience in forensic toxicology.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

Brianna Peterson 12/13/11

Brianna Peterson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

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.

The external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

12.14.11

Dawn Cox — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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# DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11054

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 external standard solution, Lot Number 11054, was prepared in the Washington State Toxicology Laboratory on 12/6/2011. 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 should not be used for evidential breath tests after 12/6/2012.

Seattle, WA

12.13.11

Justin L. Knoy — Date
Forensic Toxicologist

Sequence Parameters:

| | |
|---|---|
| Operator: | Christie Mitchell |
| Data File Naming: | Prefix/Counter |
| Signal 1 Prefix: | SIG1 |
| Counter: | 0001 |
| Signal 2 Prefix: | SIG2 |
| Counter: | 0001 |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 111206CM |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
0.04 control lot# A075264 exp 10/2014
0.10 control lot# A075806 exp 11/2014
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 | Lot#E1111-01 |
| 3 | Vial 3 | Lot#E1111-02 |
| 4 | Vial 4 | Lot#E1111-03 |
| 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 | |

11054

CM

Sequence: C:\HPCHEM\2\SEQUENCE\CMEXTSTD.S

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL - CM | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

11054

CM

## Calibration Table

Calib. Data Modified : Tuesday, December 06, 2011 11:29:34 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Sig | Lvl | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.063 | 1 | 1 | 7.86300e-2 | 494.54355 | 1.58995e-4 | | 1 | Ethanol |
| | | 2 | 1.55890e-1 | 981.33051 | 1.58856e-4 | | | |
| | | 3 | 3.12180e-1 | 2031.82141 | 1.53645e-4 | | | |
| 1.823 | 1 | 1 | 1.00000 | 1461.67834 | 6.84145e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1469.88330 | 6.80326e-4 | | | |
| | | 3 | 1.00000 | 1477.83484 | 6.76666e-4 | | | |

## Peak Sum Table

***No Entries in table***

11054

CM

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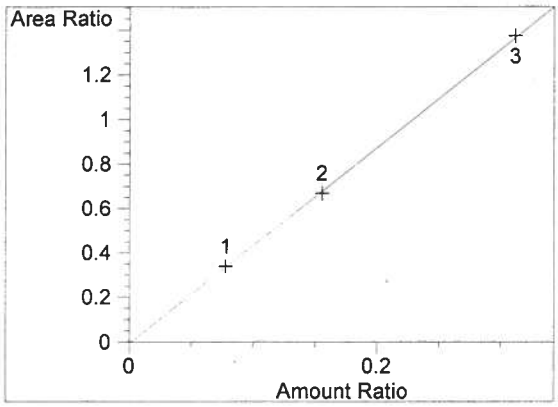
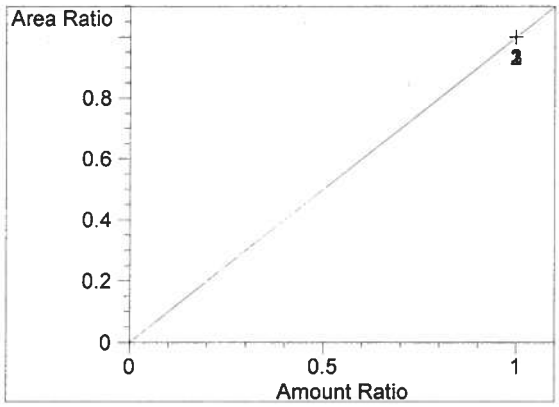
Calibration Curves

==========




Ethanol at exp. RT: 1.063
FID1 A,
Correlation: 0.99988
Residual Std. Dev.: 0.01097
Formula: y = mx + b
m: 4.40591
b: -6.97130e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

11054

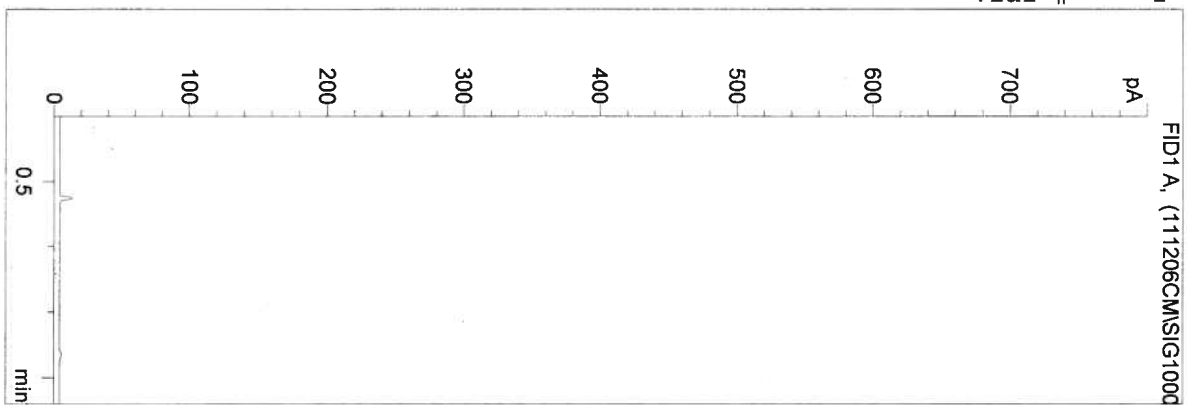
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

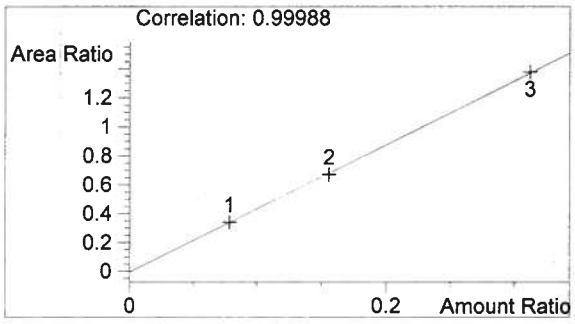
C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:18:01 AM
Instrument 3
DB-ALC2

BLANK
Christie Mitchell

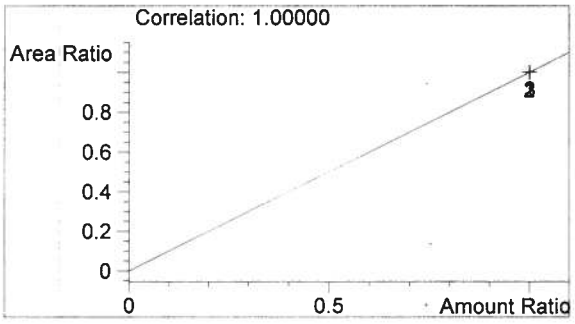
vial # 1




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

11054

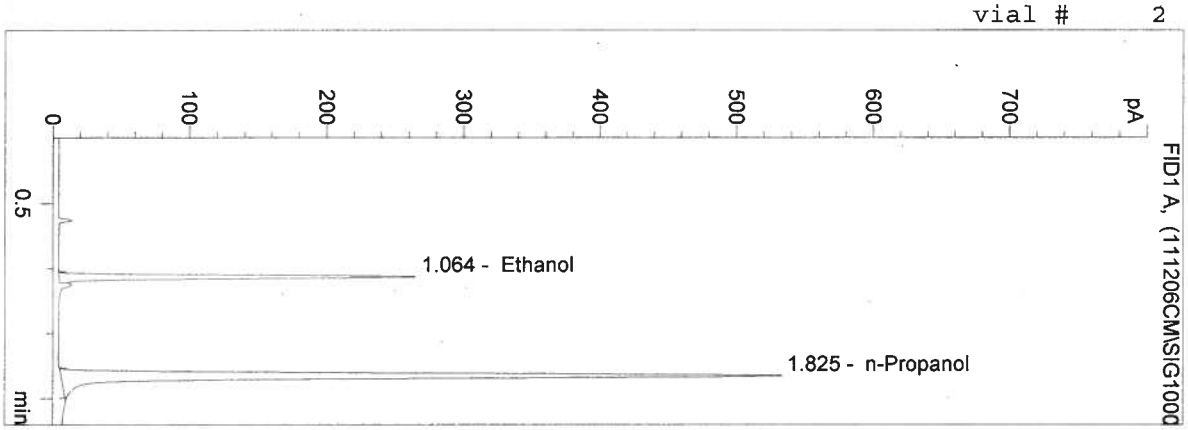
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:21:08 AM
Instrument 3
DB-ALC2

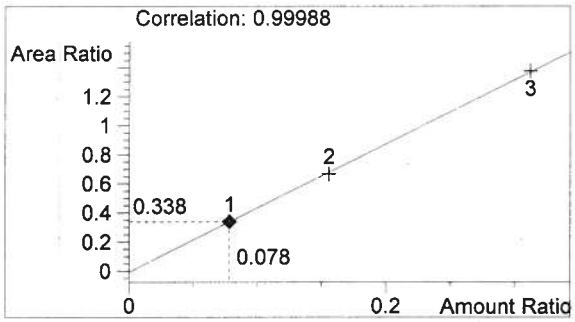
0.079 CAL
Christie Mitchell

vial # 2

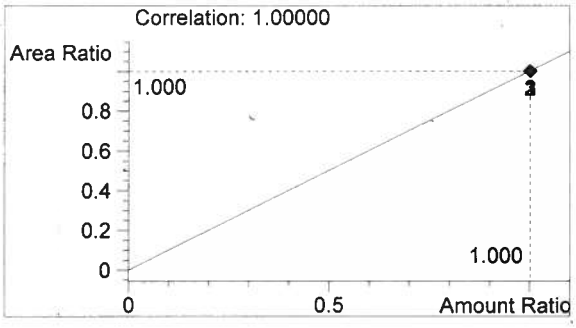



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 495 | 1.064 |
| 2 | n-Propanol | 1462 | 1.825 |

Totals:




Ethanol 0.078 g/100ml




n-Propanol 1.000 g/100ml

11054

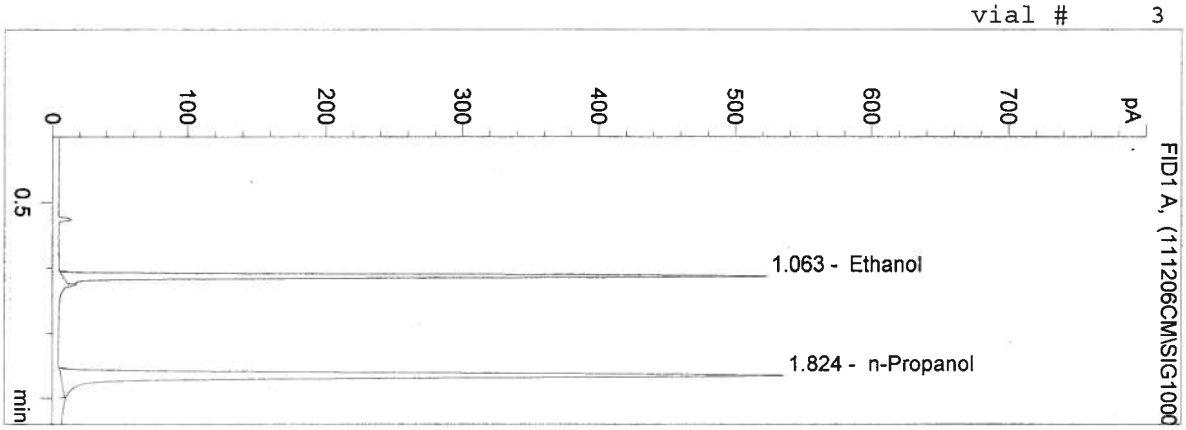
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:24:15 AM
Instrument 3
DB-ALC2

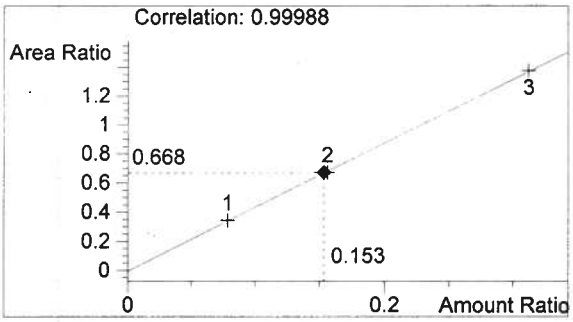
0.158 CAL
Christie Mitchell

vial # 3

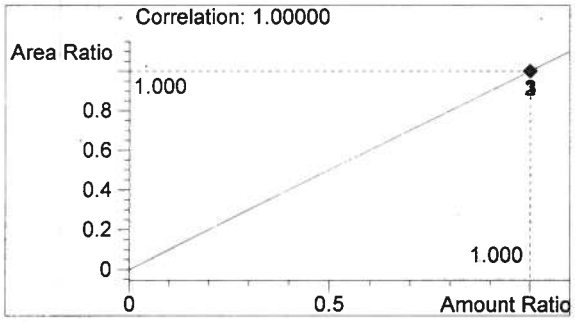



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 981 | 1.063 |
| 2 | n-Propanol | 1470 | 1.824 |

Totals:




Ethanol 0.153 g/100ml




n-Propanol 1.000 g/100ml

11054

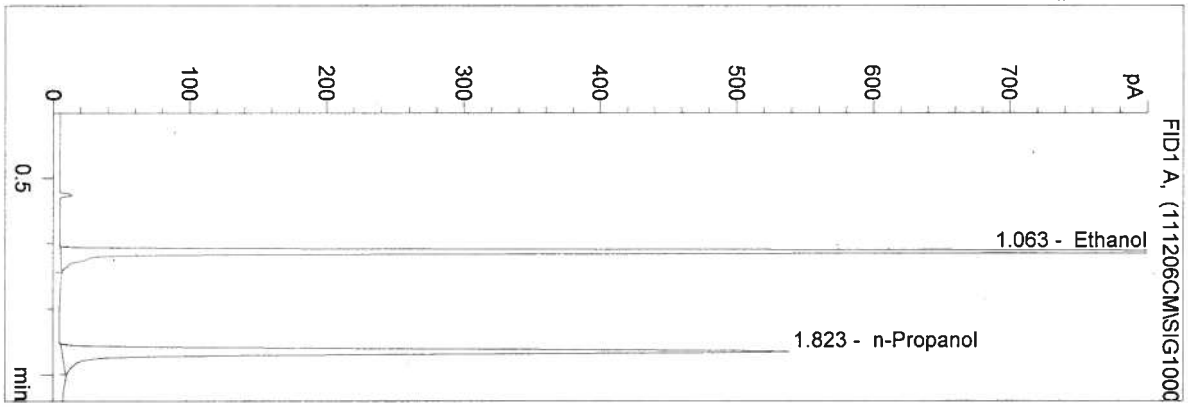
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:27:22 AM
Instrument 3
DB-ALC2

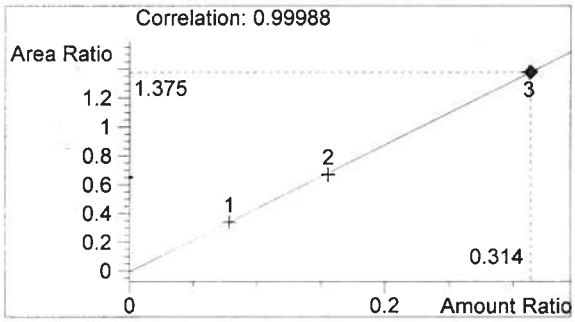
0.316 CAL
Christie Mitchell

vial # 4

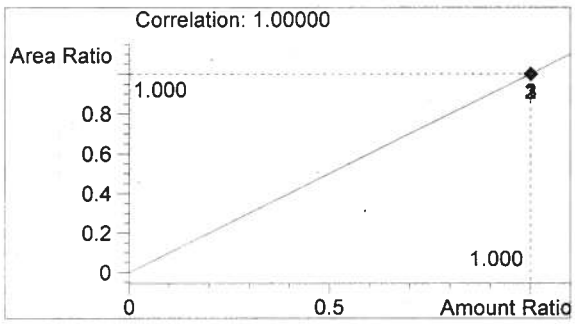



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2032 | 1.063 |
| 2 | n-Propanol | 1478 | 1.823 |

Totals:




Ethanol 0.314 g/100ml




n-Propanol 1.000 g/100ml

11054

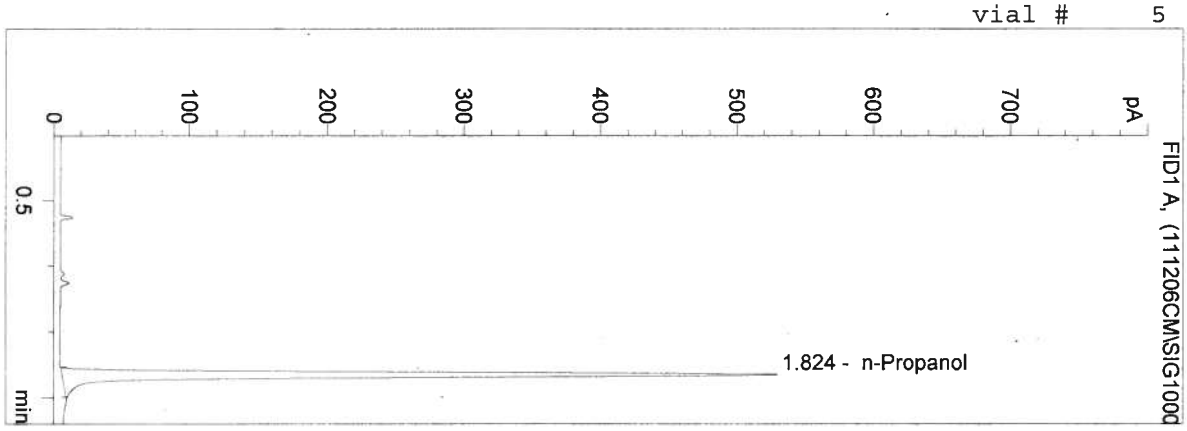
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:30:30 AM
Instrument 3
DB-ALC2

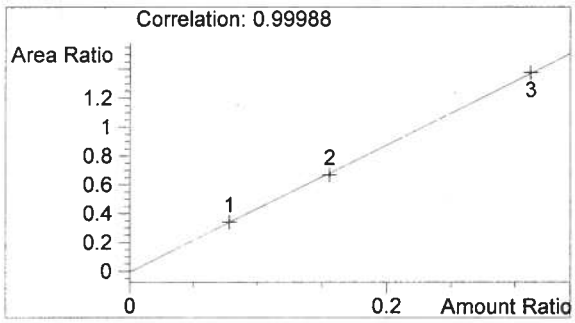
NEG CTRL - CM
Christie Mitchell

vial # 5

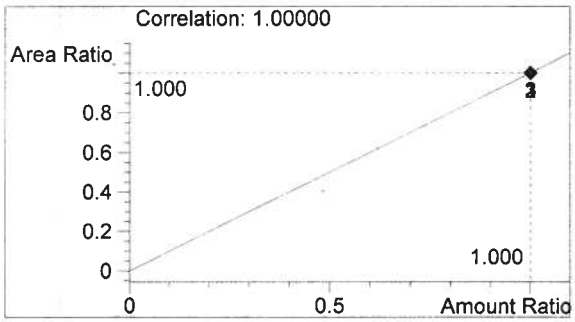



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1454 | 1.824 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

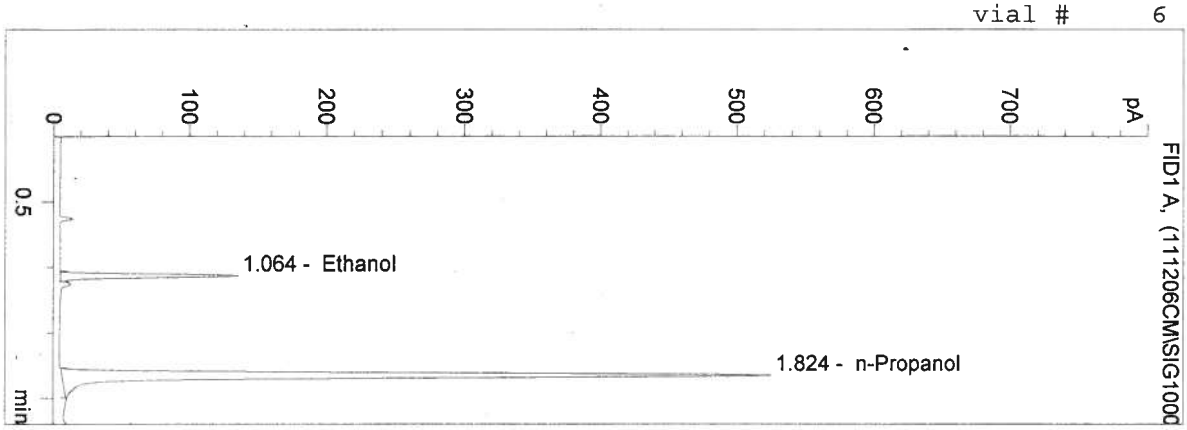
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:33:37 AM
Instrument 3
DB-ALC2

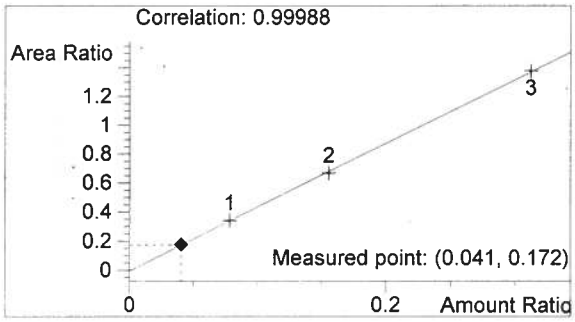
0.04 CTRL - CM
Christie Mitchell

vial # 6

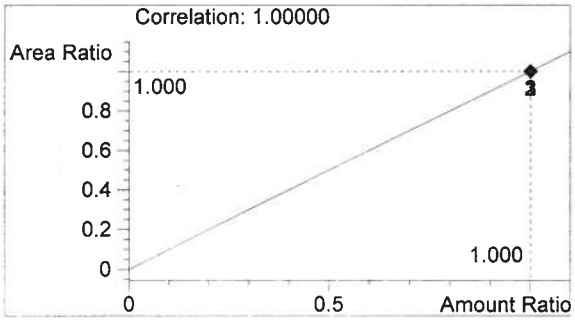



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 247 | 1.064 |
| 2 | n-Propanol | 1438 | 1.824 |

Totals:




Ethanol 0.041 g/100ml




n-Propanol 1.000 g/100ml

11054

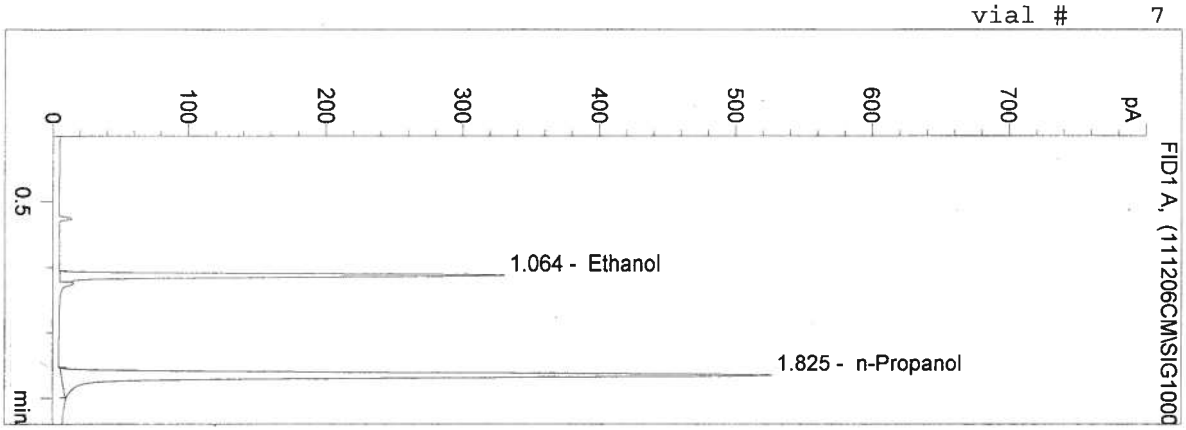
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:36:44 AM
Instrument 3
DB-ALC2

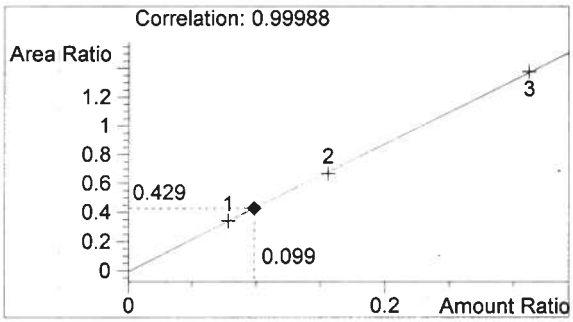
0.10 CTRL - CM
Christie Mitchell

vial # 7

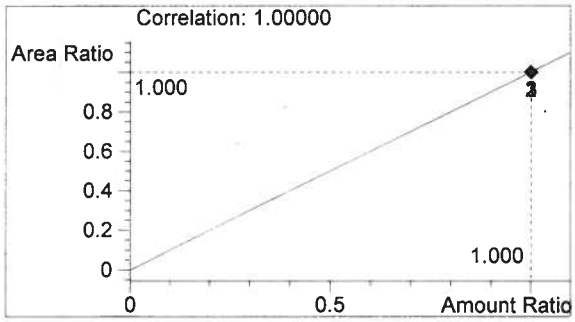



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 618 | 1.064 |
| 2 | n-Propanol | 1442 | 1.825 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

11054

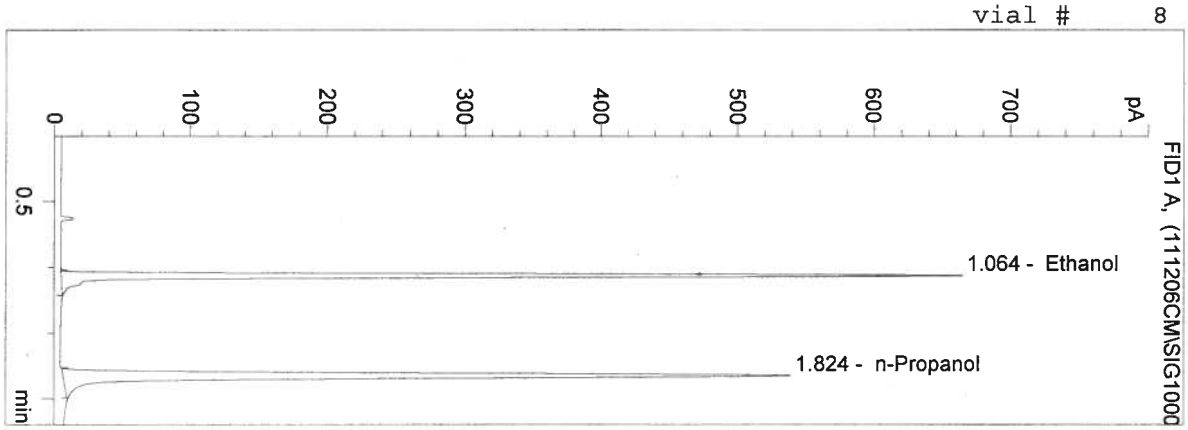
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:39:51 AM
Instrument 3
DB-ALC2

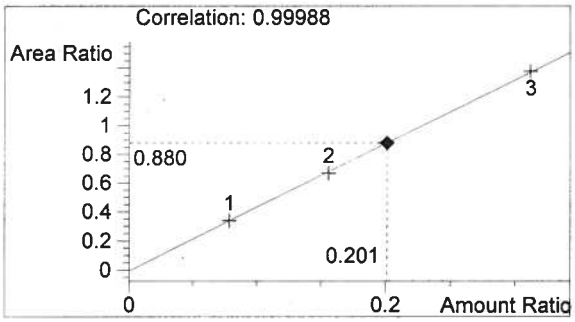
0.20 CTRL - CM
Christie Mitchell

vial # 8

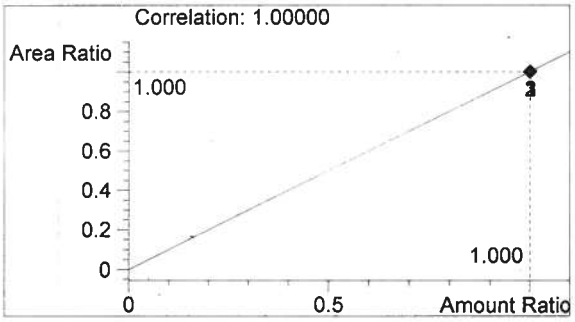



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1303 | 1.064 |
| 2 | n-Propanol | 1481 | 1.824 |

Totals:




Ethanol 0.201 g/100ml




n-Propanol 1.000 g/100ml

11054

CM

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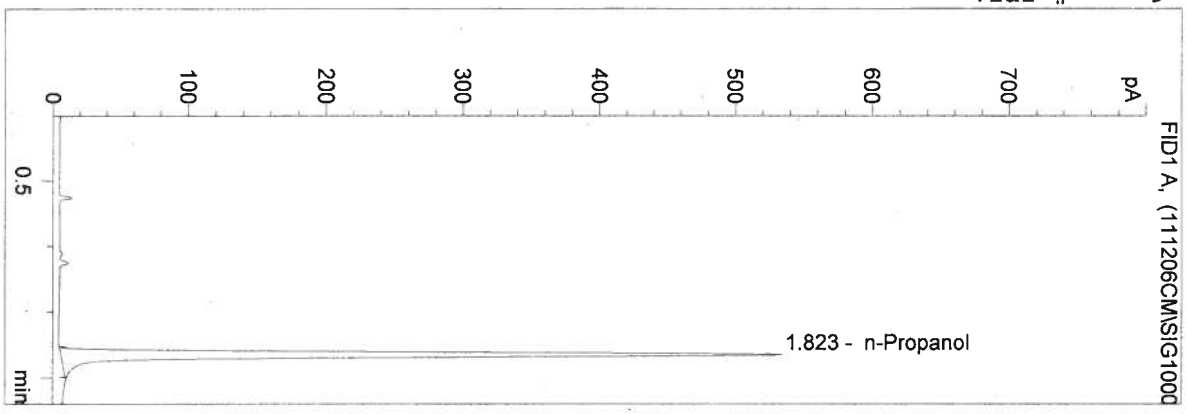
C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:42:59 AM
Instrument 3
DB-ALC2

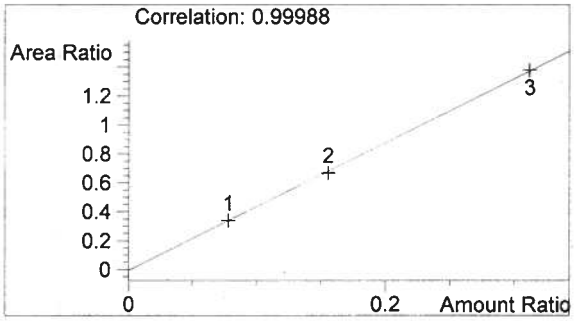
NEG CTRL - CM
Christie Mitchell

vial # 9

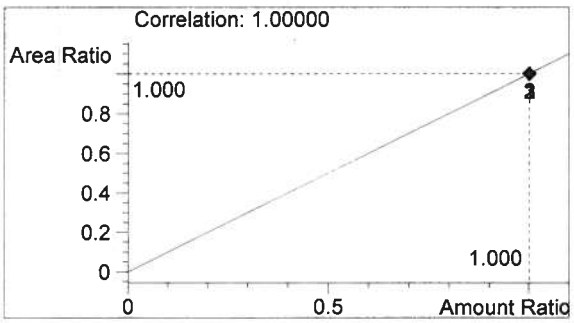



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1466 | 1.823 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

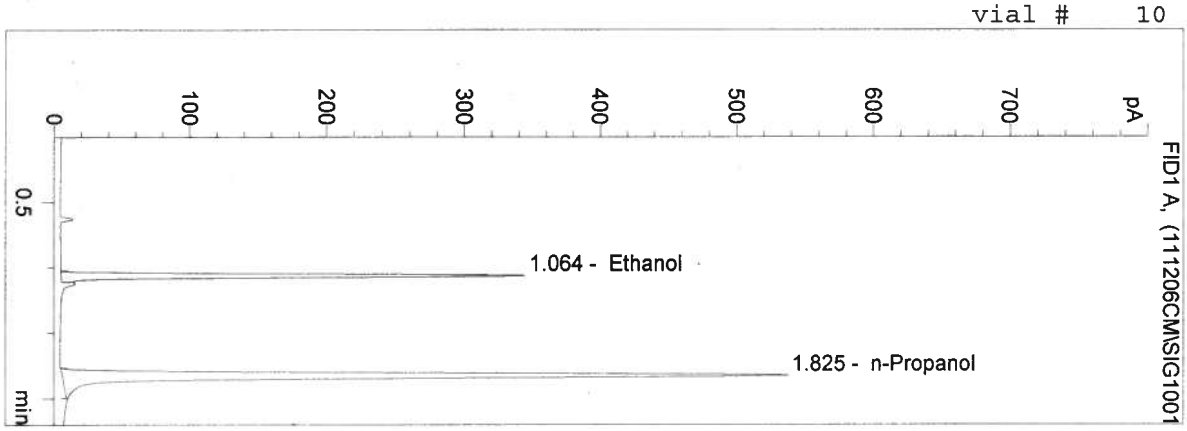
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:46:06 AM
Instrument 3
DB-ALC2

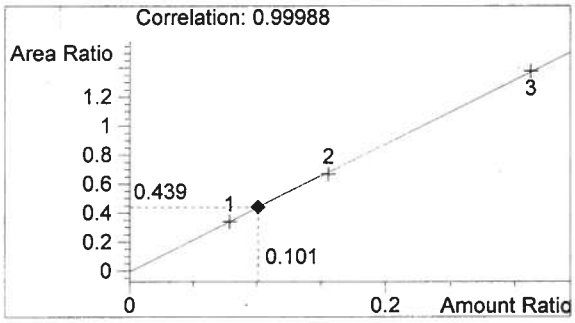
11054 #1
Christie Mitchell

vial # 10

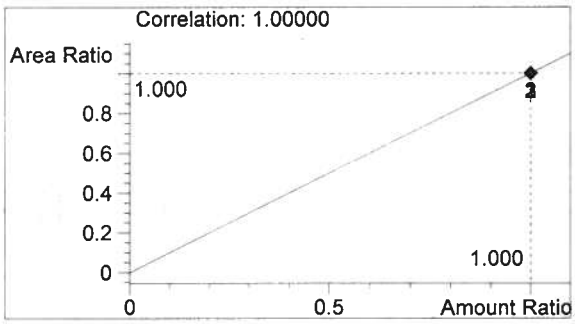



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 648 | 1.064 |
| 2 | n-Propanol | 1477 | 1.825 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

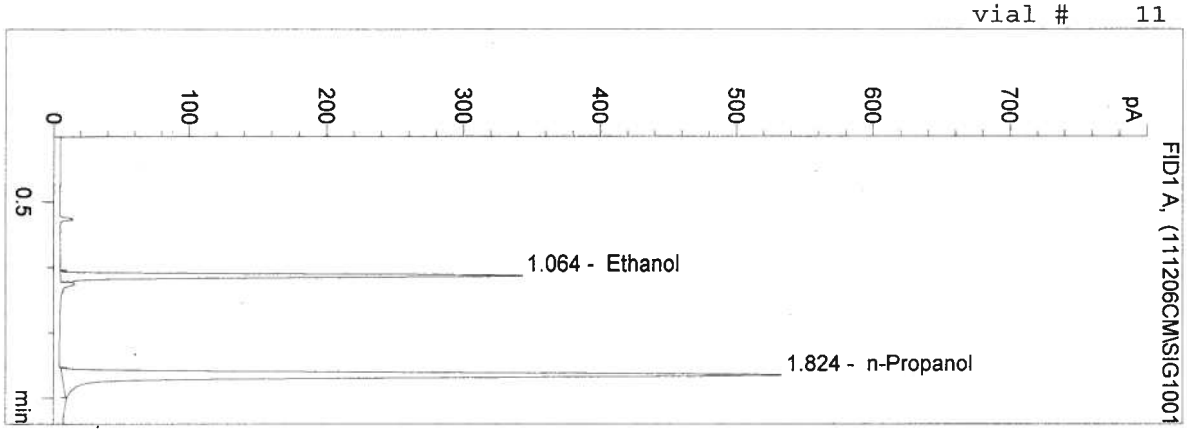
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:49:13 AM
Instrument 3
DB-ALC2

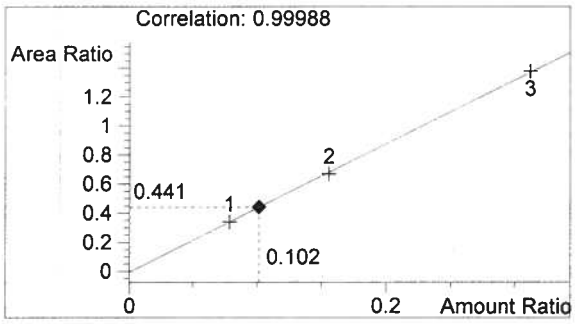
11054 #2
Christie Mitchell

vial # 11

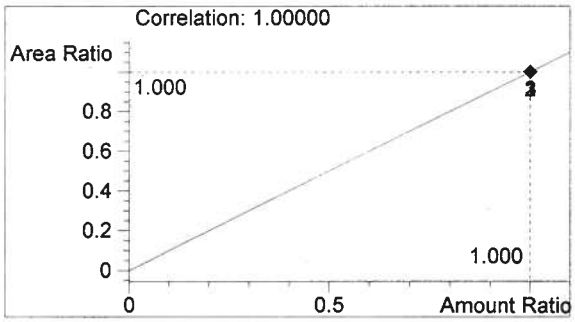



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 646 | 1.064 |
| 2 | n-Propanol | 1466 | 1.824 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

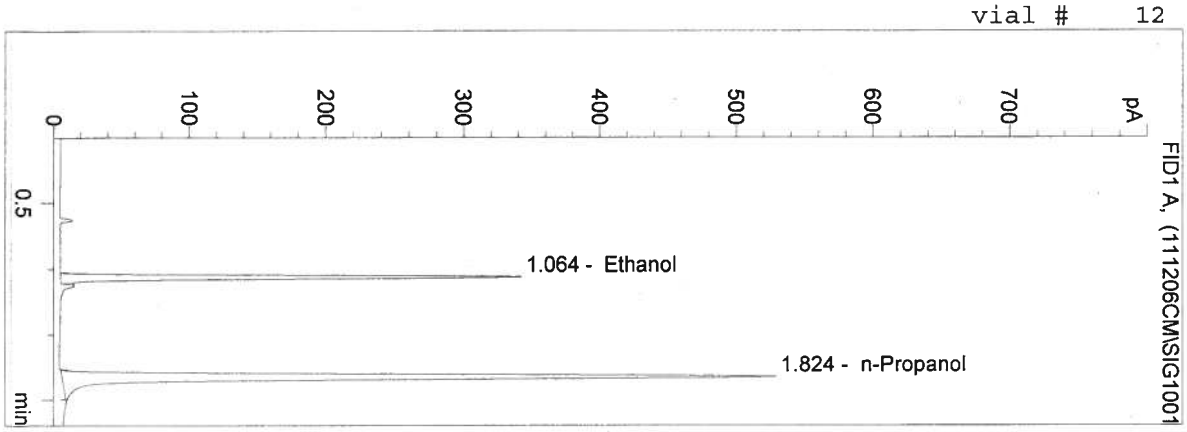
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:52:20 AM
Instrument 3
DB-ALC2

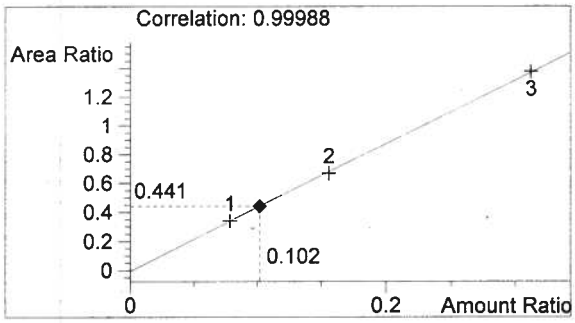
11054 #3
Christie Mitchell

vial # 12

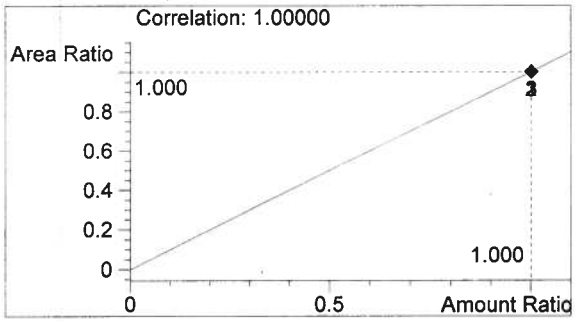



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 638 | 1.064 |
| 2 | n-Propanol | 1446 | 1.824 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

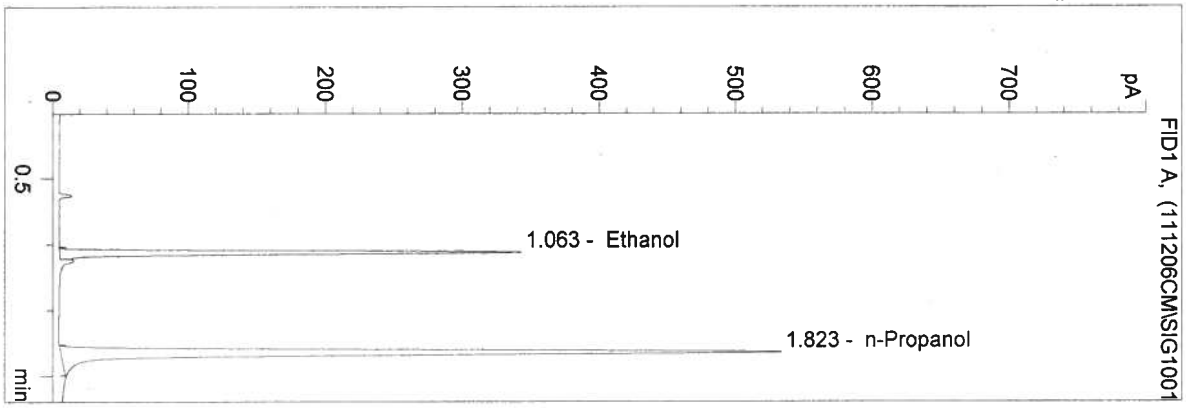
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

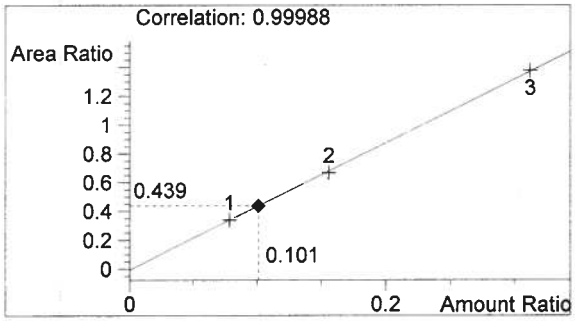
C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:55:27 AM
Instrument 3
DB-ALC2

11054 #4
Christie Mitchell

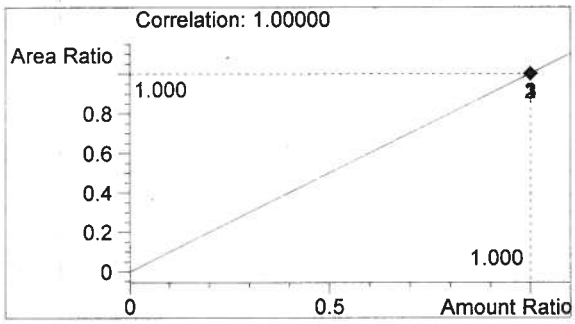
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 643 | 1.063 |
| 2 | n-Propanol | 1466 | 1.823 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

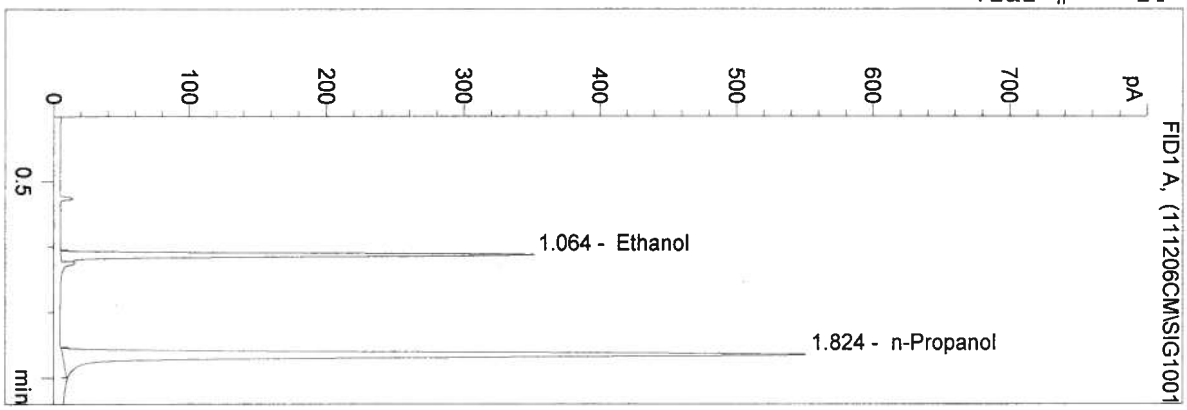
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 11:58:35 AM
Instrument 3
DB-ALC2

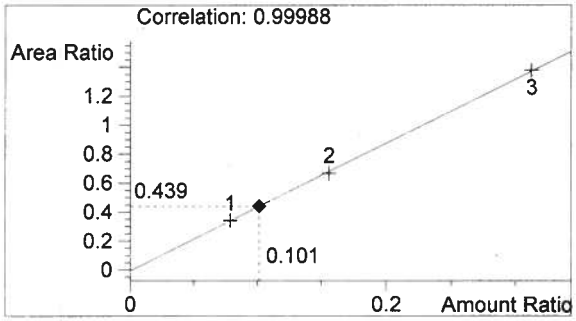
11054 #5
Christie Mitchell

vial # 14

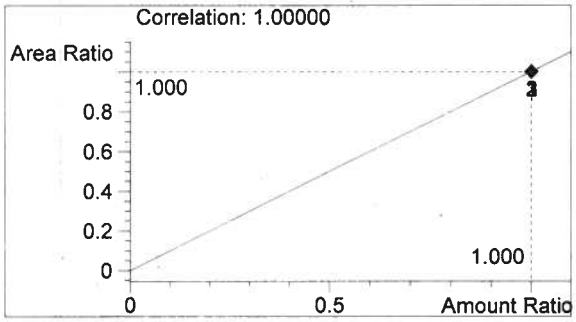



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 666 | 1.064 |
| 2 | n-Propanol | 1517 | 1.824 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

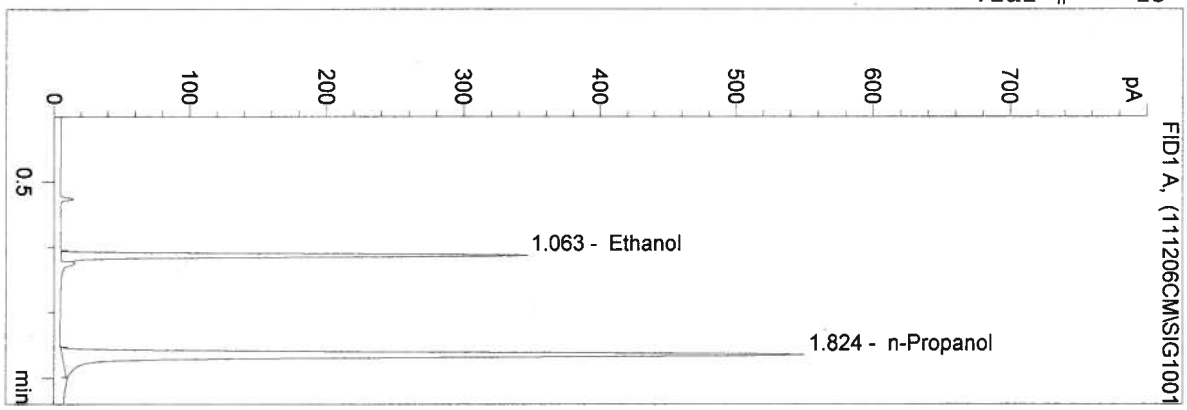
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

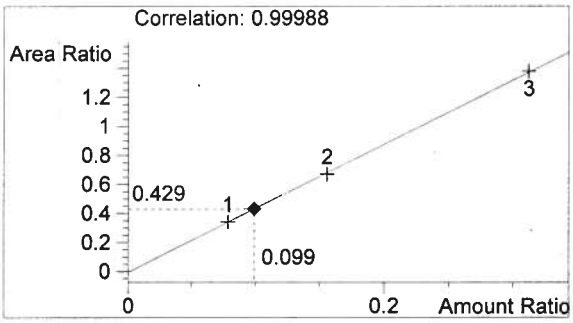
C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 12:01:42 PM
Instrument 3
DB-ALC2

0.10 CTRL - CM
Christie Mitchell

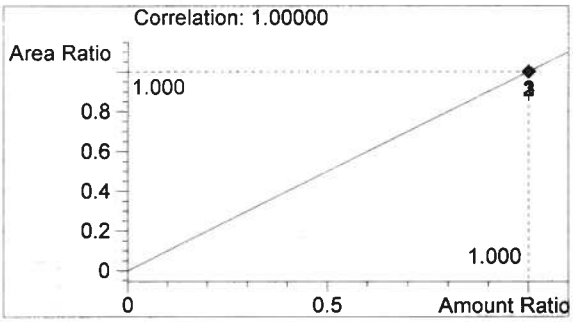
vial # 15




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 650 | 1.063 |
| 2 | n-Propanol | 1513 | 1.824 |
| Totals: | | | |




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

11054

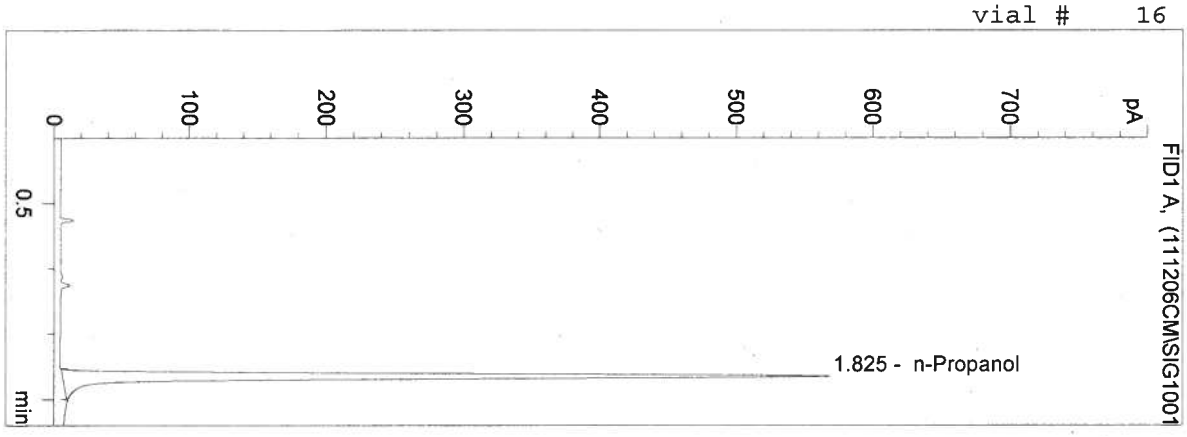
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 12:04:49 PM
Instrument 3
DB-ALC2

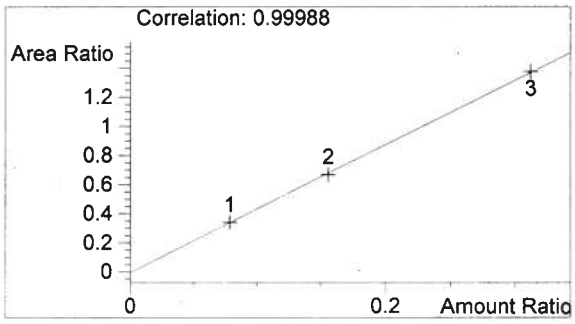
NEG CTRL - CM
Christie Mitchell

vial # 16

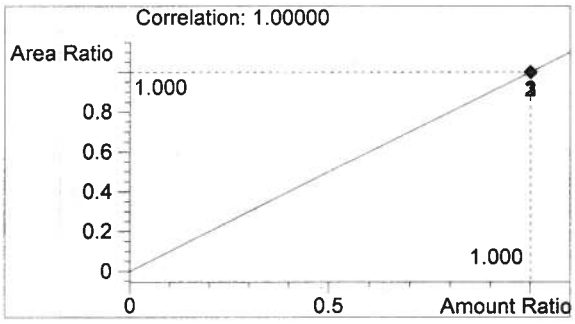



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1562 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

CM

Sequence Parameters:

| | |
|---|---|
| Operator: | Chris Johnston |
| Data File Naming: | Prefix/Counter |
| Signal 1 Prefix: | SIG1 |
| Counter: | 0001 |
| Signal 2 Prefix: | SIG2 |
| Counter: | 0001 |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 111206C2 |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
Cal 1- Lot# E1111-01 - exp 2/10/2012
Cal 2- Lot# E1111-02 - exp 2/10/2012
Cal 3- Lot# E1111-03 - exp 2/10/2012

0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
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 | Lot# E1111-01 |
| 3 | Vial 3 | Lot# E1111-02 |
| 4 | Vial 4 | Lot# E1111-03 |
| 5 | Vial 5 | |
| 6 | Vial 6 | 0.04 control lot# a075264 exp 10/2014 |
| 7 | Vial 7 | 0.10 control lot# a075806 exp 11/2014 |
| 8 | Vial 8 | 0.20 control lot# a076521 exp 12/2014 |
| 9 | Vial 9 | |
| 10 | Vial 10 | |
| 11 | Vial 11 | |
| 12 | Vial 12 | |
| 13 | Vial 13 | |
| 14 | Vial 14 | |

11054

CJ

Sequence: C:\HPCHEM\2\SEQUENCE\CJEXTST3.S

| Line | Location | Sample Information |
|---|---|---|
| 15 | Vial 15 | 0.10 control lot# a075806 exp 11/2014 |
| 16 | Vial 16 | |

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK-CJ | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | ESS 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | ESS 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | ESS 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | ESS 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | ESS 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL-CJ | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

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## Calibration Table

Calib. Data Modified : Tuesday, December 06, 2011 8:06:24 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Sig | Lvl | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.064 | 1 | 1 | 7.86300e-2 | 498.38068 | 1.57771e-4 | 1 | | Ethanol |
| | | 2 | 1.55890e-1 | 1123.30920 | 1.38777e-4 | | | |
| | | 3 | 3.12180e-1 | 2033.87781 | 1.53490e-4 | | | |
| 1.824 | 1 | 1 | 1.00000 | 1455.77673 | 6.86919e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1580.57361 | 6.32682e-4 | | | |
| | | 3 | 1.00000 | 1472.90967 | 6.78928e-4 | | | |

## Peak Sum Table

***No Entries in table***

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12/5/2011 - Reprinted @ 12/7

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Calibration Curves

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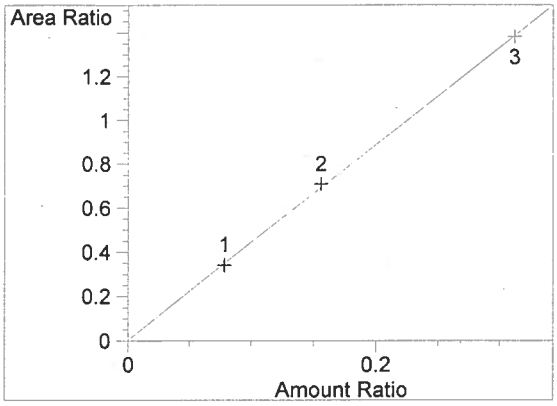
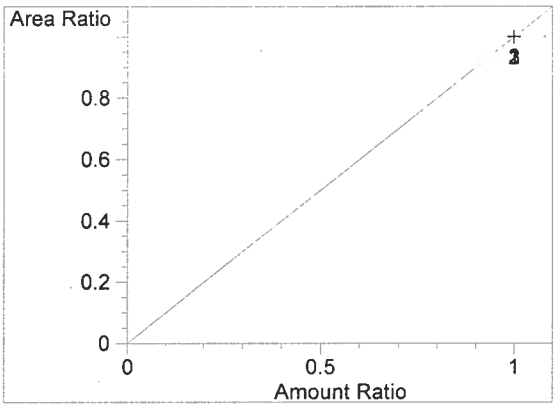



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99981
Residual Std. Dev.: 0.01424
Formula: y = mx + b
m: 4.43686
b: 2.06760e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.824
FID1 A,
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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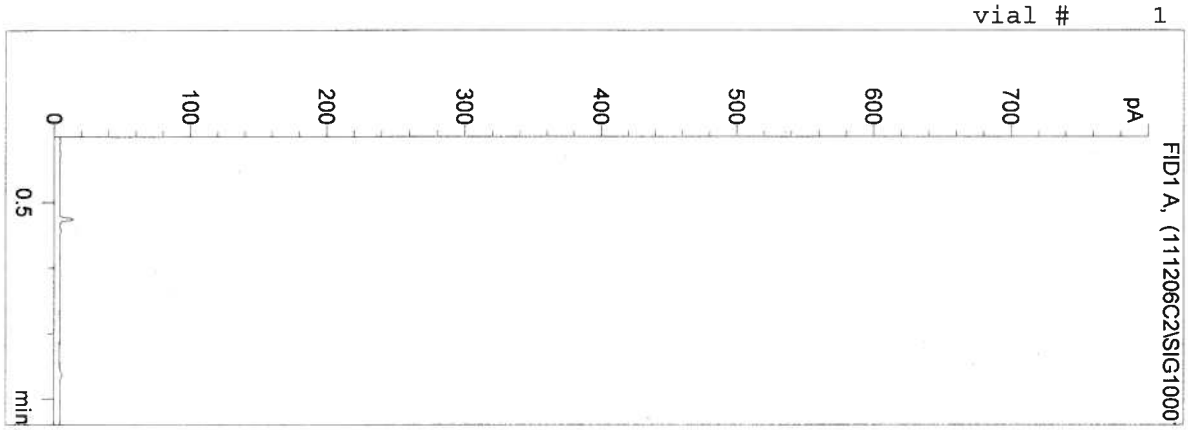
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 7:54:49 PM
Instrument 3
DB-ALC2

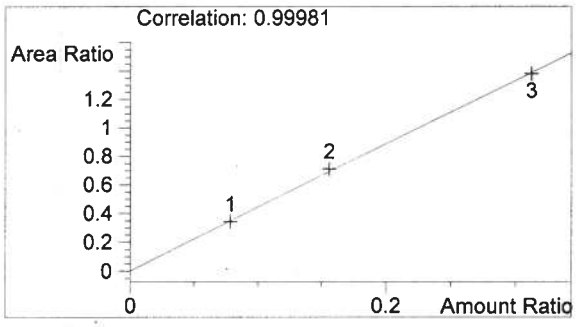
BLANK-CJ
Chris Johnston

vial # 1

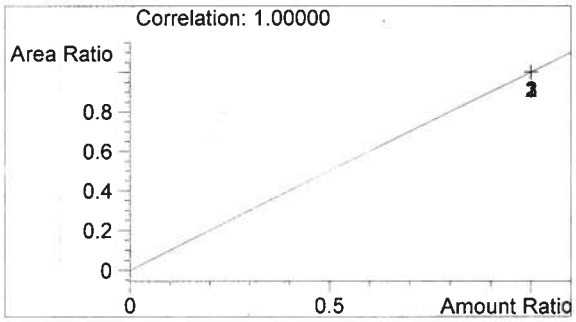



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

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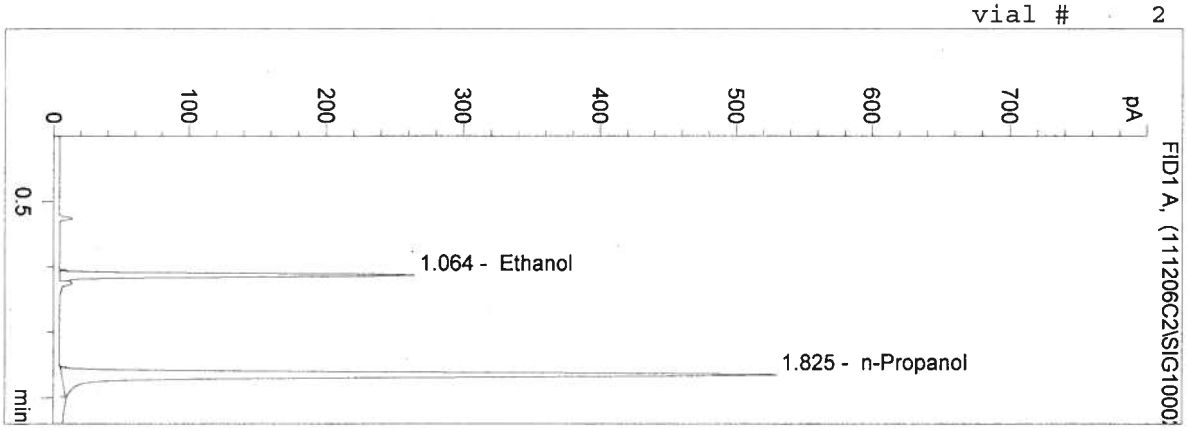
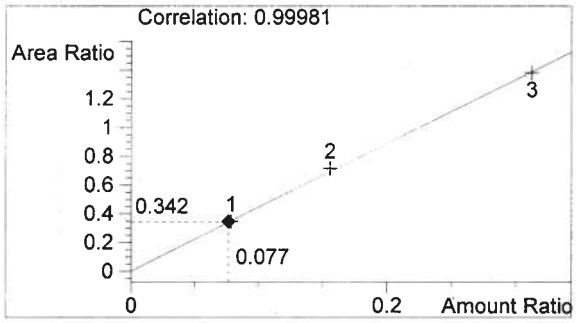
12/6/2011 7:57:57 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Chris Johnston

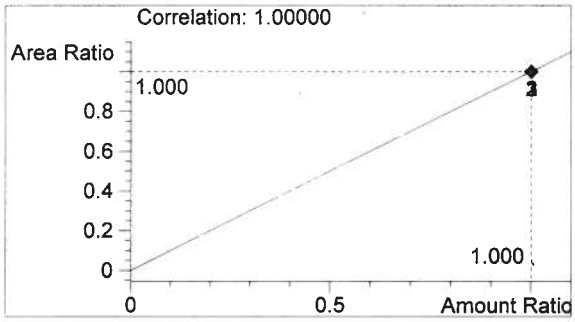
vial # 2




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 498 | 1.064 |
| 2 | n-Propanol | 1456 | 1.825 |
| Totals: | | | |




Ethanol 0.077 g/100ml




n-Propanol 1.000 g/100ml

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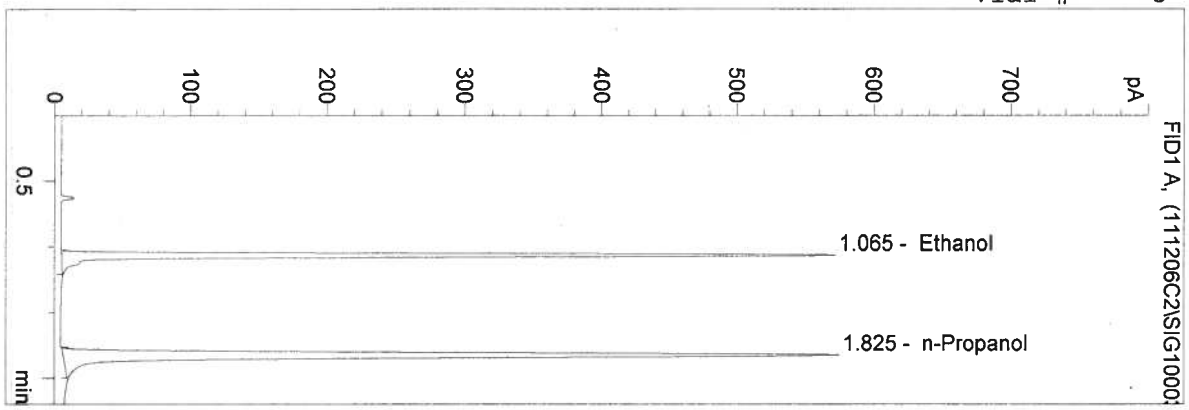
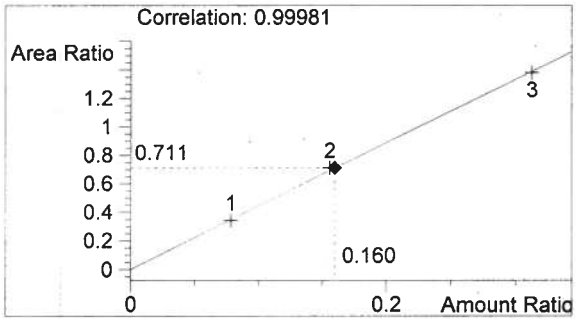
Instrument 3
DB-ALC2

0.158 CAL 2
Chris Johnston

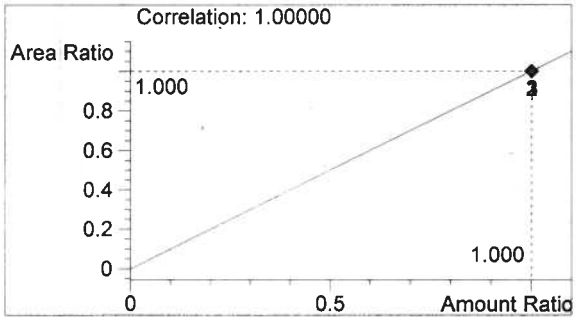
vial # 3




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1123 | 1.065 |
| 2 | n-Propanol | 1581 | 1.825 |
| Totals: | | | |




Ethanol 0.160 g/100ml




n-Propanol 1.000 g/100ml

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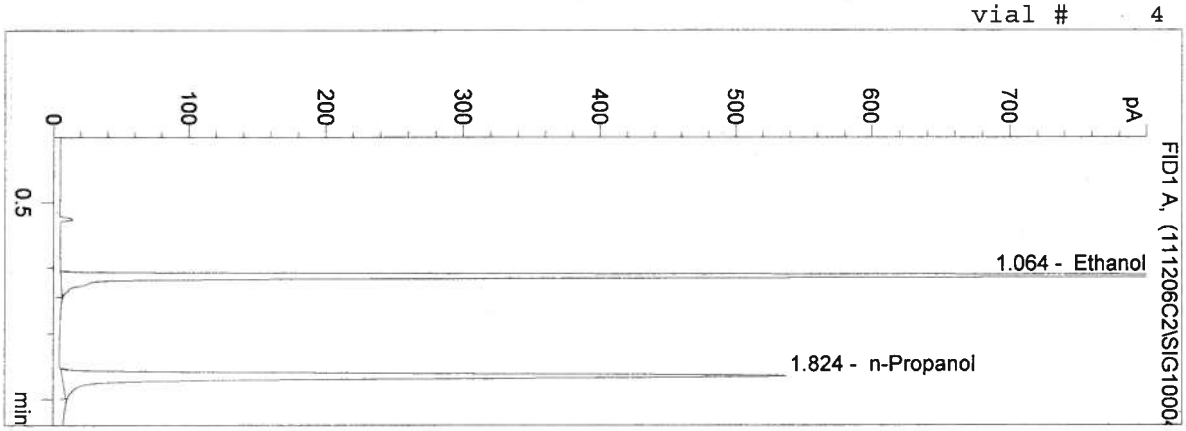
12/6/2011 8:04:11 PM
Instrument 3
DB-ALC2

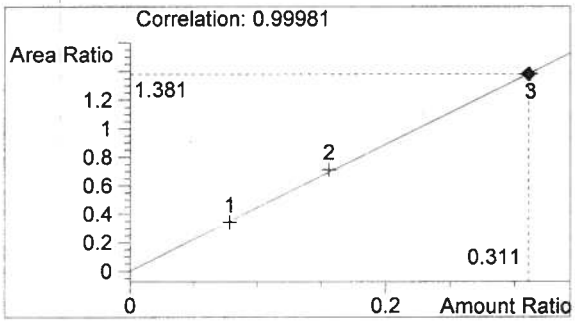
0.316 CAL 3
Chris Johnston

vial # 4

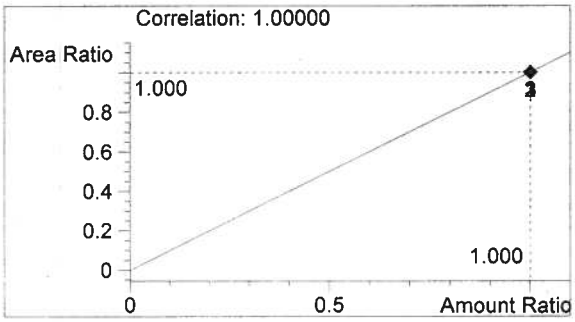



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2034 | 1.064 |
| 2 | n-Propanol | 1473 | 1.824 |

Totals:




Ethanol 0.311 g/100ml




n-Propanol 1.000 g/100ml

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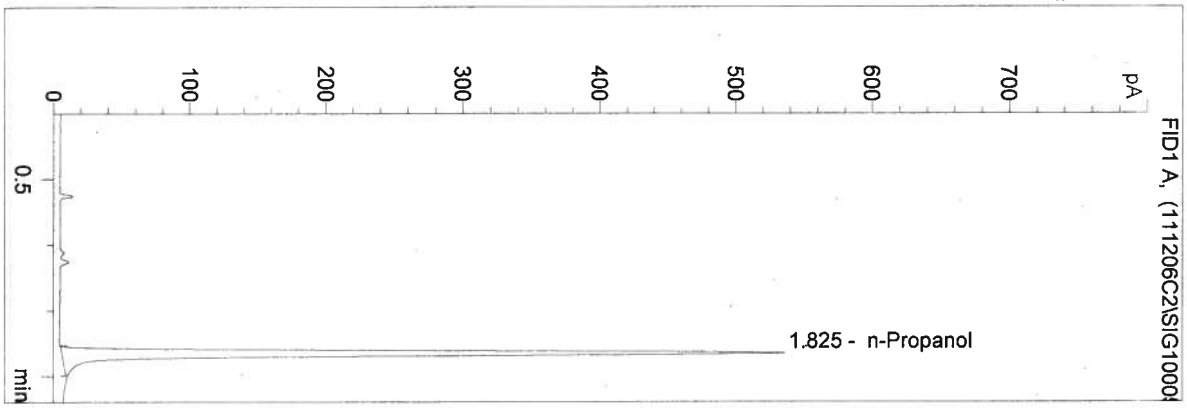
Instrument 3
DB-ALC2

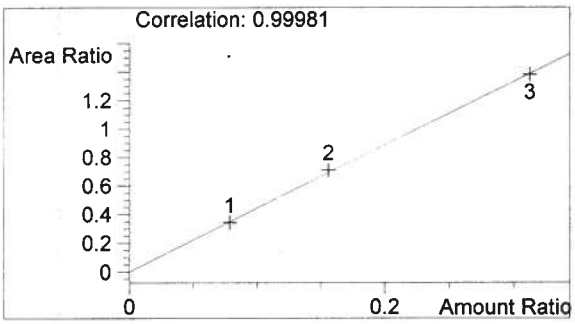
NEG CTRL-CJ
Chris Johnston

vial # 5

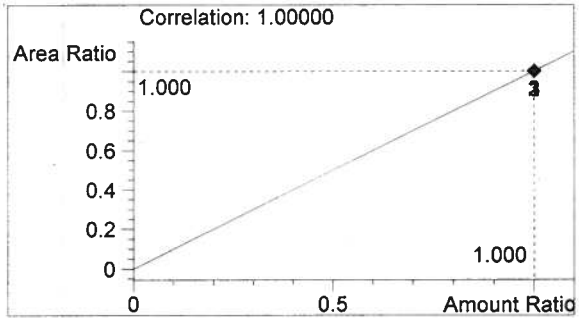



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1476 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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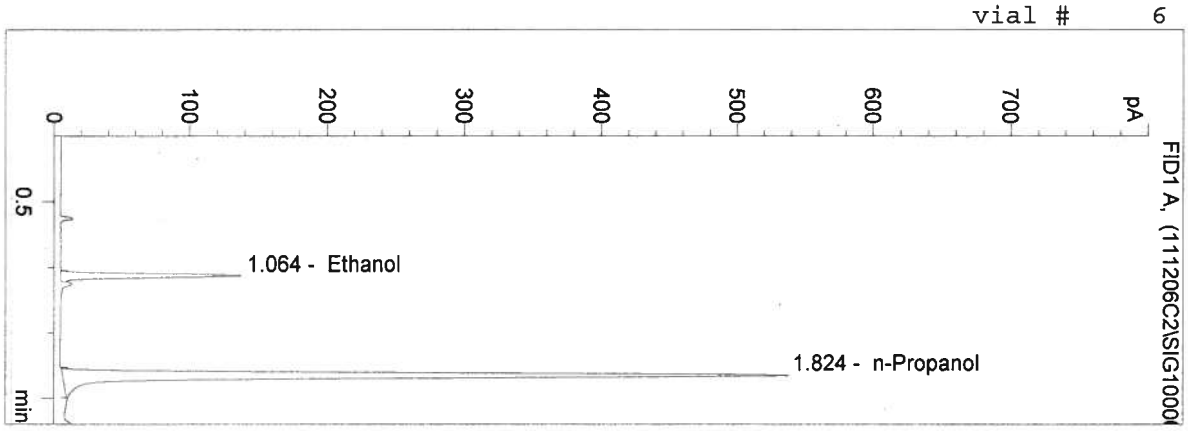
12/6/2011 8:10:26 PM
Instrument 3
DB-ALC2

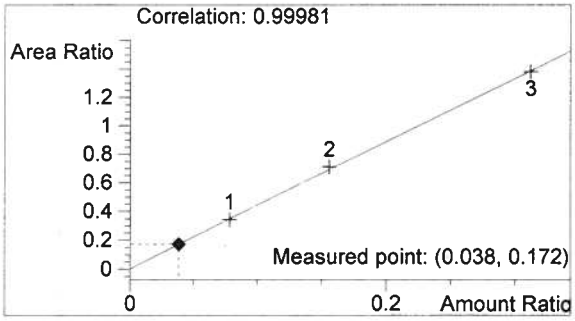
0.04 CTRL-CJ
Chris Johnston

vial # 6

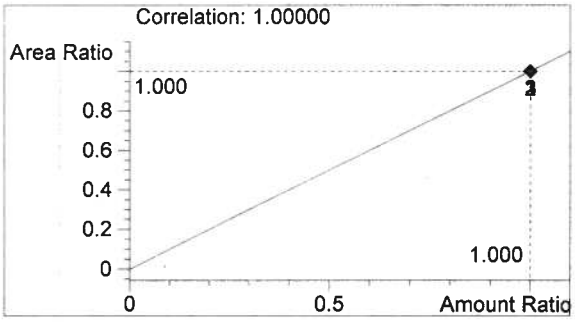



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 254 | 1.064 |
| 2 | n-Propanol | 1478 | 1.824 |

Totals:




Ethanol 0.038 g/100ml




n-Propanol 1.000 g/100ml

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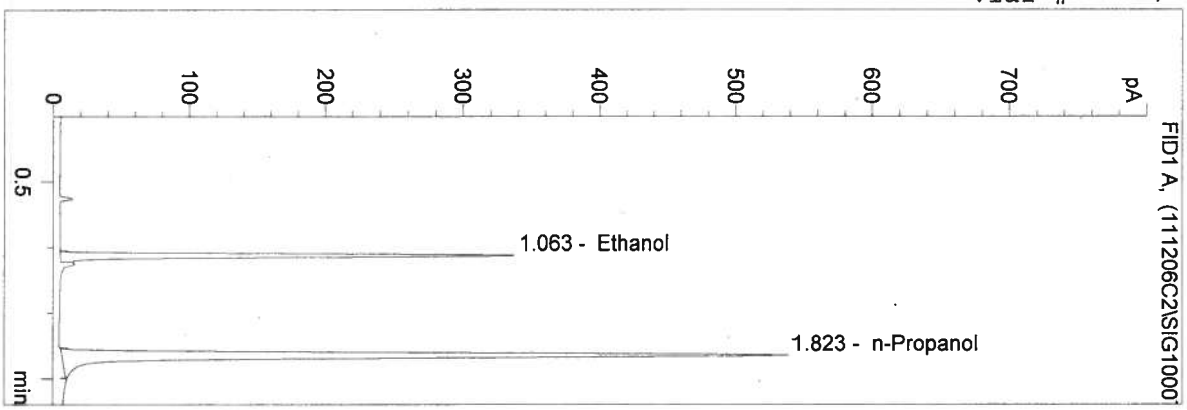
Instrument 3
DB-ALC2

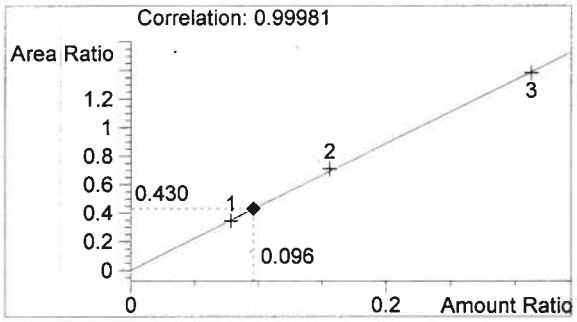
0.10 CTRL-CJ
Chris Johnston

vial # 7

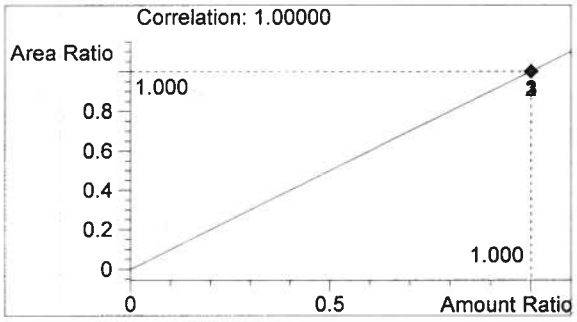



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 634 | 1.063 |
| 2 | n-Propanol | 1475 | 1.823 |

Totals:




Ethanol 0.096 g/100ml




n-Propanol 1.000 g/100ml

CJ

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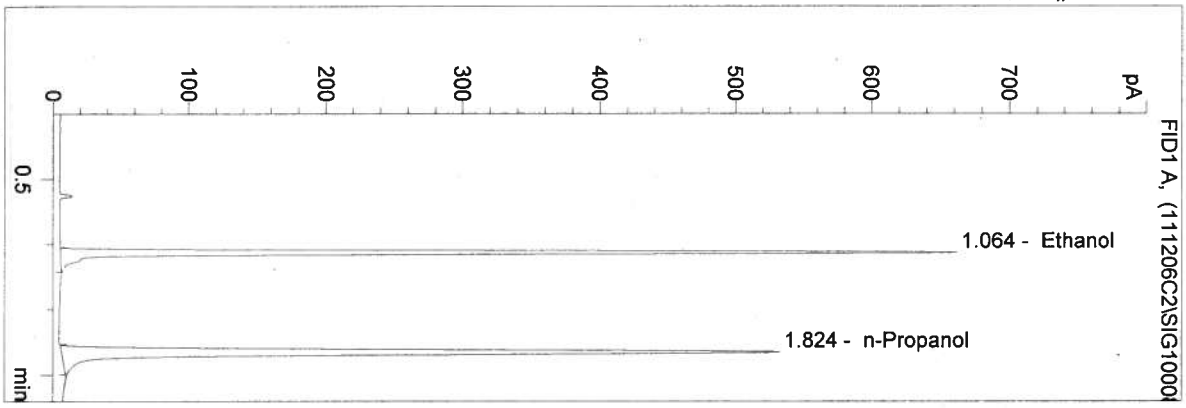
12/6/2011 8:16:40 PM
Instrument 3
DB-ALC2

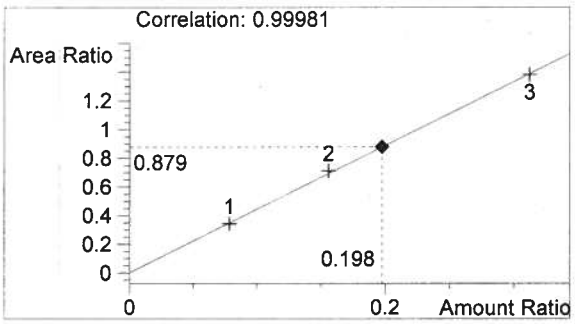
0.20 CTRL-CJ
Chris Johnston

vial # 8

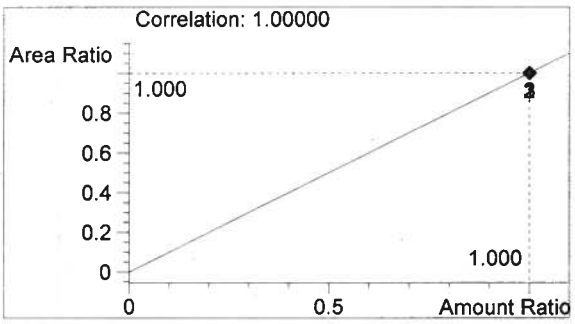



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1279 | 1.064 |
| 2 | n-Propanol | 1455 | 1.824 |

Totals:




Ethanol 0.198 g/100ml




n-Propanol 1.000 g/100ml

CJ

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WASHINGTON STATE TOXICOLOGY LABORATORY

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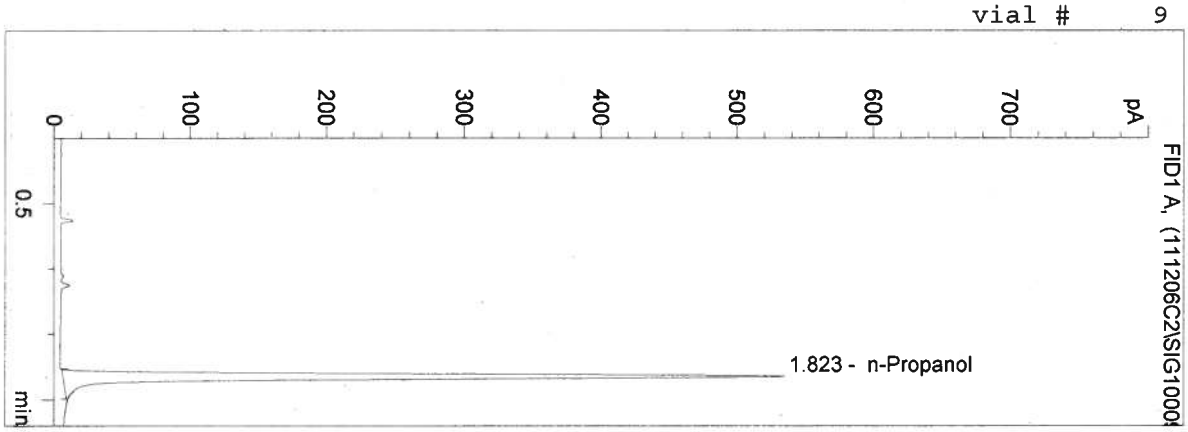
12/6/2011 8:19:48 PM
Instrument 3
DB-ALC2

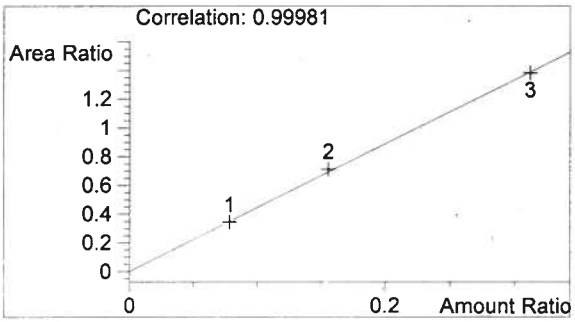
NEG CTRL-CJ
Chris Johnston

vial # 9

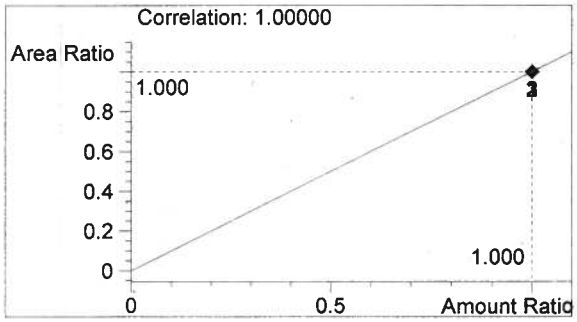



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1461 | 1.823 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

WASHINGTON STATE TOXICOLOGY LABORATORY

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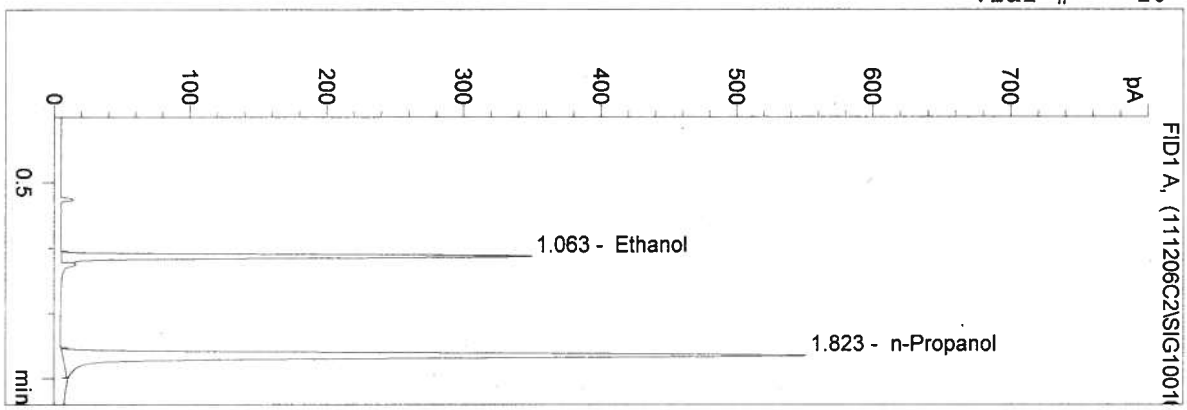
12/6/2011 8:22:55 PM
Instrument 3
DB-ALC2

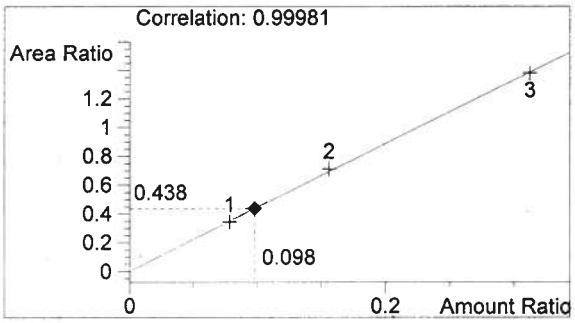
ESS 11054 #1
Chris Johnston

vial # 10

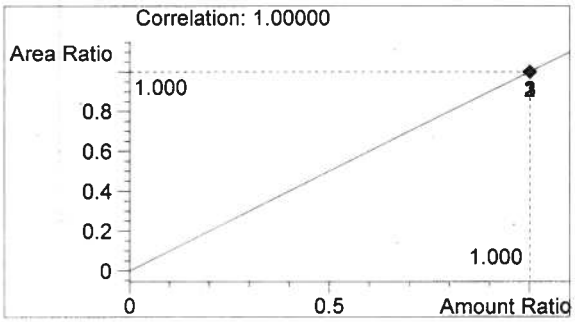



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 662 | 1.063 |
| 2 | n-Propanol | 1514 | 1.823 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

C

WASHINGTON STATE TOXICOLOGY LABORATORY

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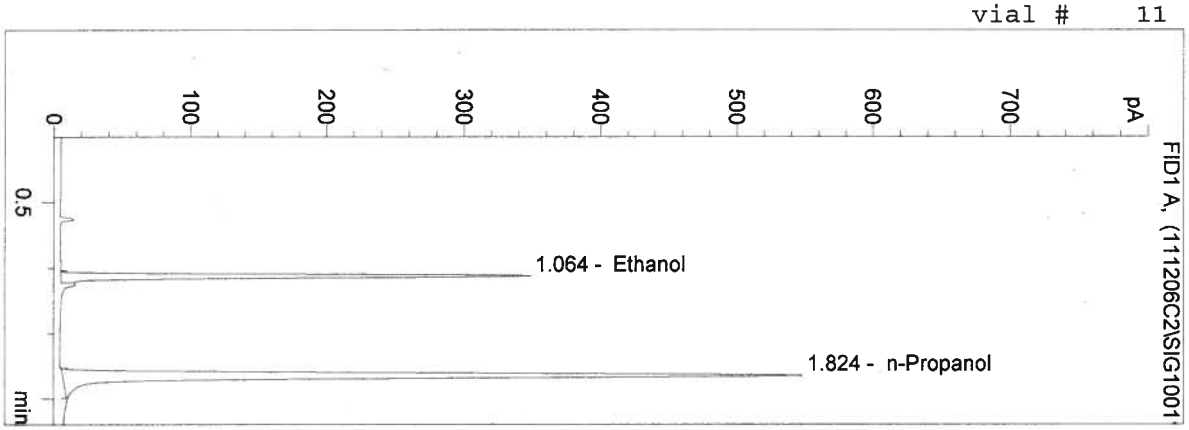
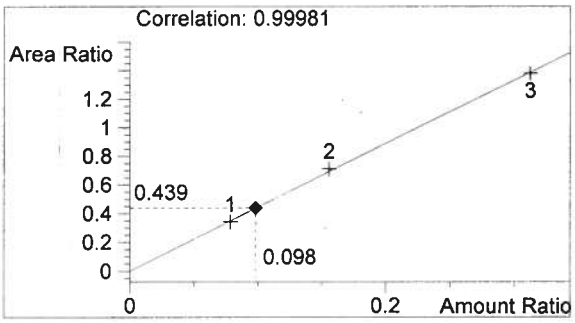
12/6/2011 8:26:02 PM
Instrument 3
DB-ALC2

ESS 11054 #2
Chris Johnston

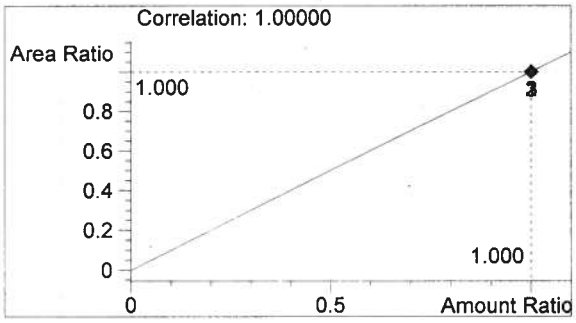
vial # 11




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 660 | 1.064 |
| 2 | n-Propanol | 1505 | 1.824 |
| Totals: | | | |




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

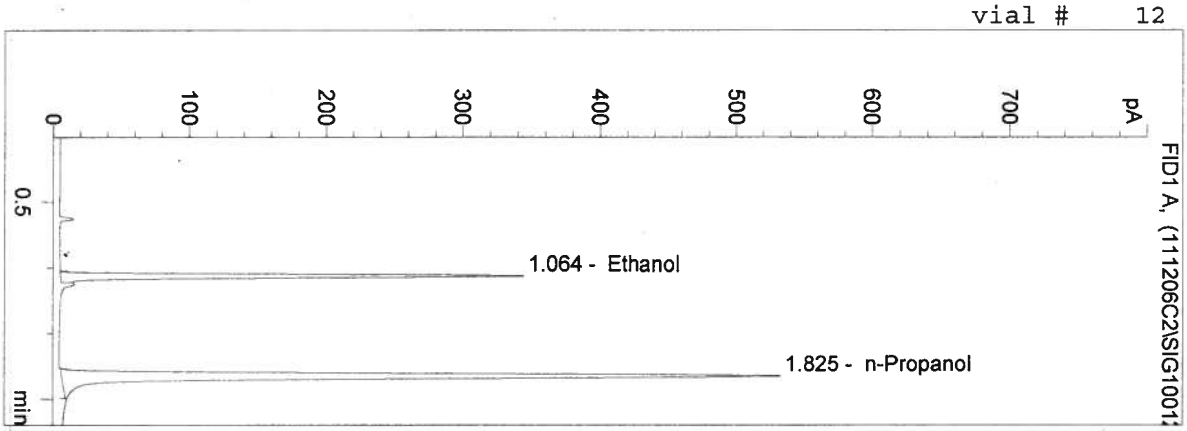
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 8:29:09 PM
Instrument 3
DB-ALC2

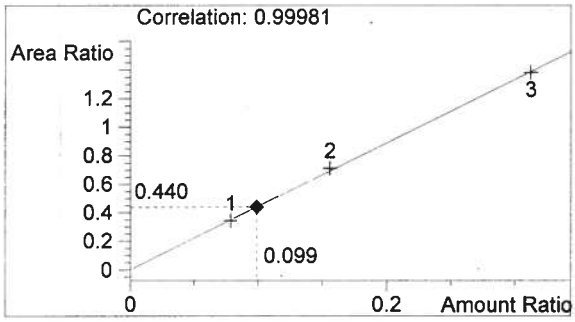
ESS 11054 #3
Chris Johnston

vial # 12

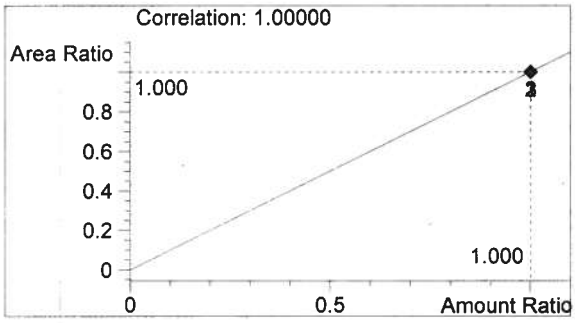



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 641 | 1.064 |
| 2 | n-Propanol | 1457 | 1.825 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

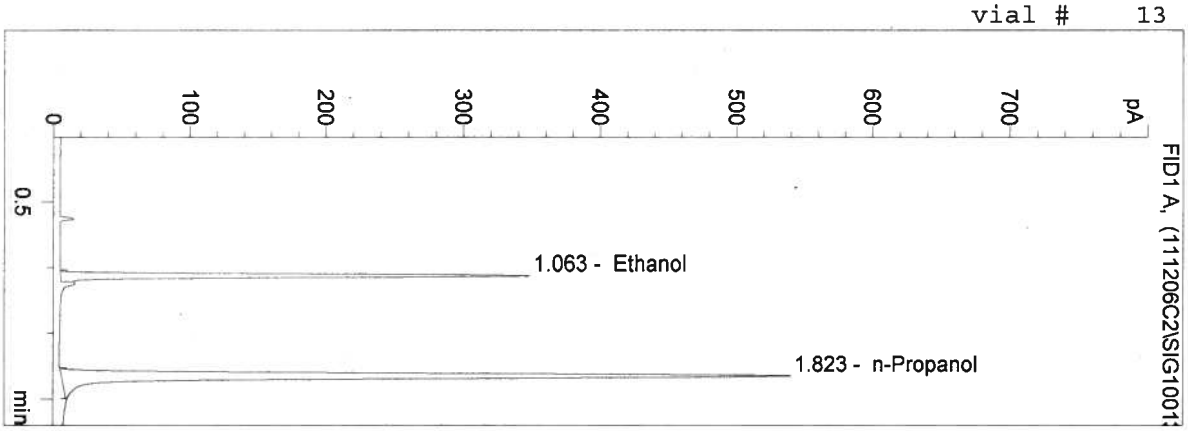
CW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 8:32:17 PM
Instrument 3
DB-ALC2

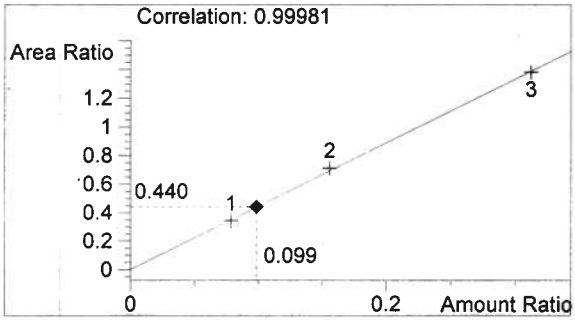
ESS 11054 #4
Chris Johnston

vial # 13

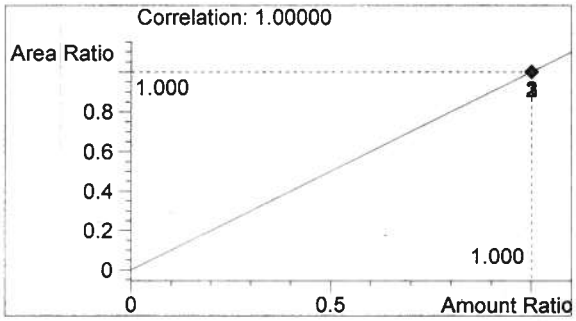



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 650 | 1.063 |
| 2 | n-Propanol | 1479 | 1.823 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

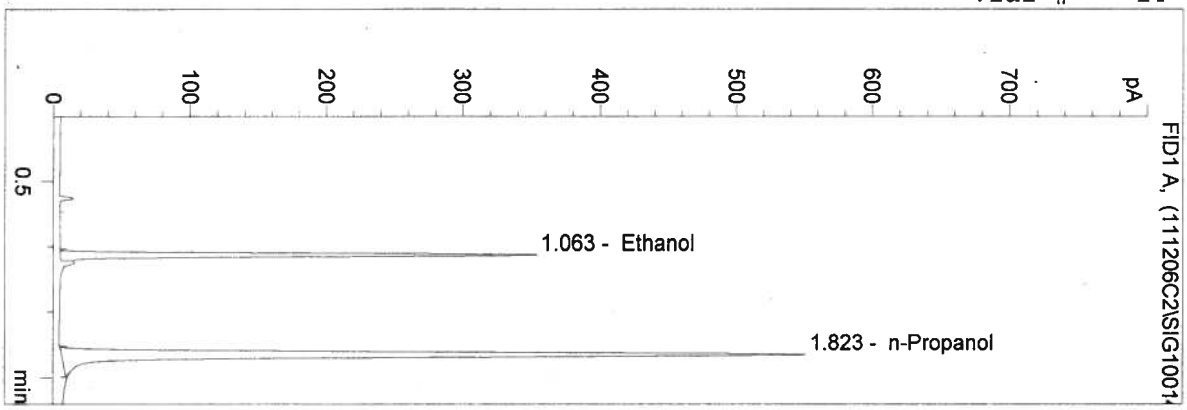
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 8:35:24 PM
Instrument 3
DB-ALC2

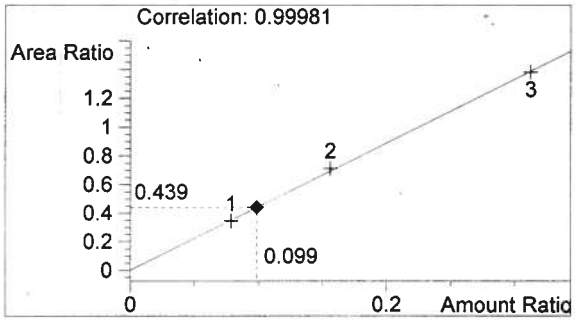
ESS 11054 #5
Chris Johnston

vial # 14

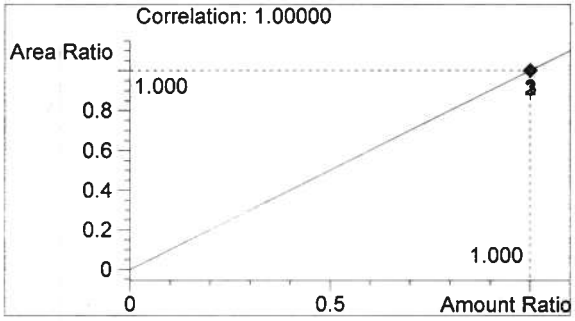



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 664 | 1.063 |
| 2 | n-Propanol | 1511 | 1.823 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

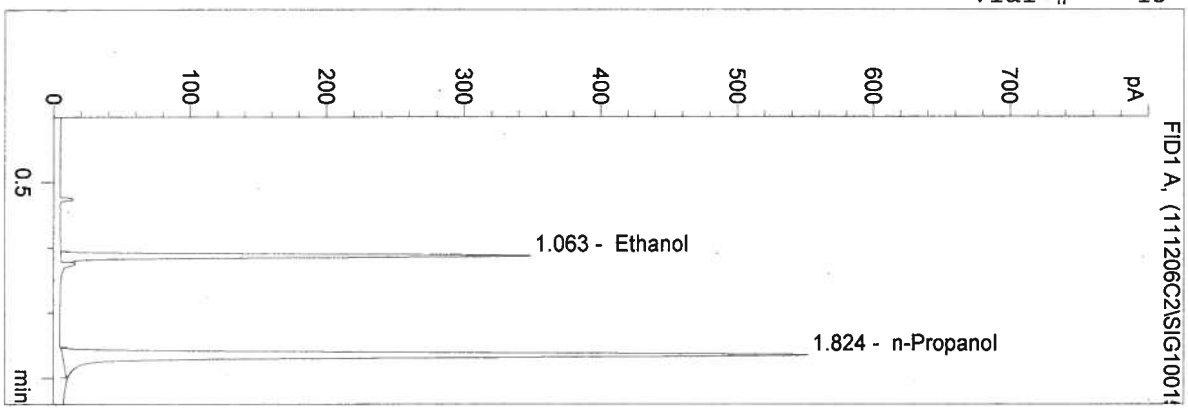
G

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 8:38:31 PM
Instrument 3
DB-ALC2

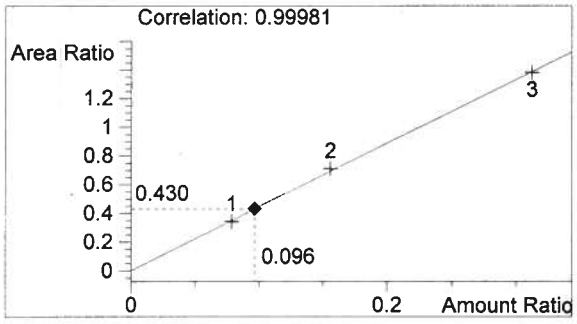
0.10 CTRL-CJ
Chris Johnston

vial # 15

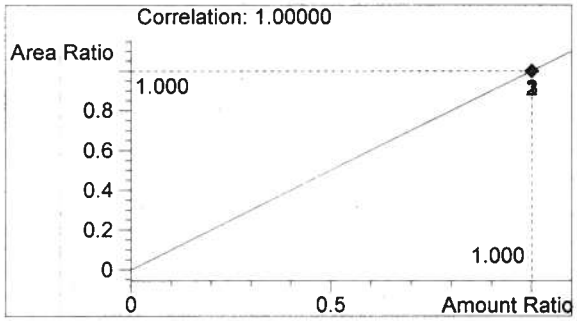



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 648 | 1.063 |
| 2 | n-Propanol | 1507 | 1.824 |

Totals:




Ethanol 0.096 g/100ml




n-Propanol 1.000 g/100ml

CJ

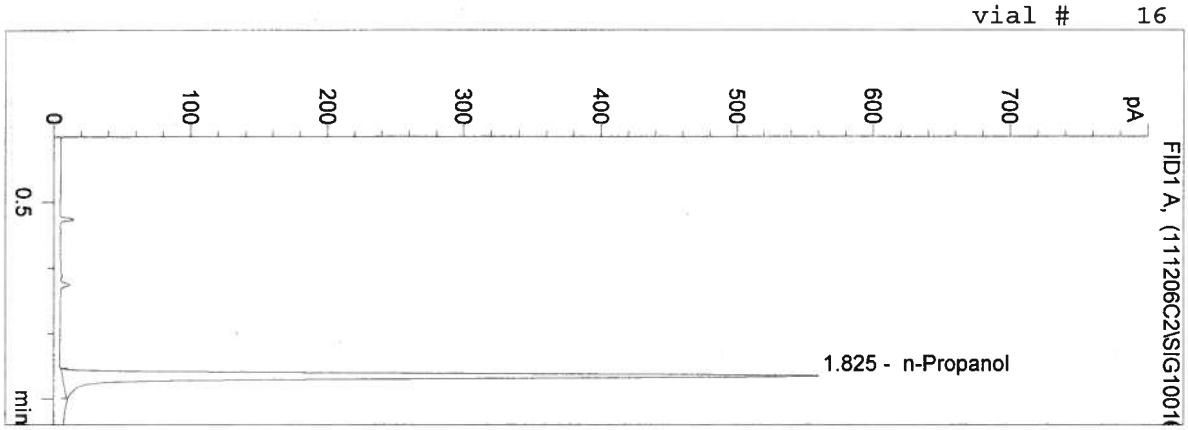
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/6/2011 8:41:39 PM
Instrument 3
DB-ALC2

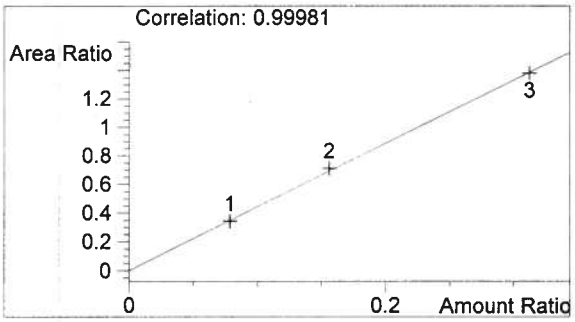
NEG CTRL-CJ
Chris Johnston

vial # 16

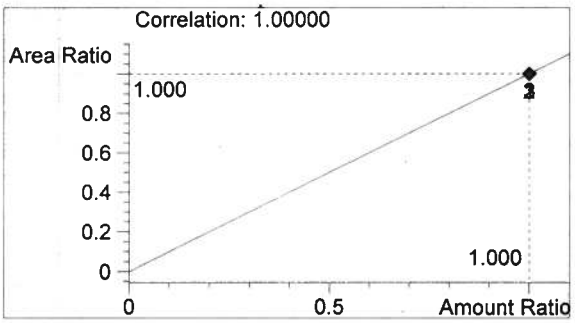



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1532 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

Sequence: C:\HPCHEM\2\SEQUENCE\RFEXTSTD.S

Sequence Parameters:

| | |
|---|---|
| Operator: | Rebecca Flaherty |
| Data File Naming: | Prefix/Counter |
| Signal 1 Prefix: | SIG1 |
| Counter: | 0001 |
| Signal 2 Prefix: | SIG2 |
| Counter: | 0001 |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 111207RF |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/11
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/11
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/11

0.04 Control - Lot #A075264 - Exp. 10/2014
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

RF

Sequence Table (Front Injector):

Sample Information Part:

| Line | Location | Sample Information |
|---|---|---|
| 1 | Vial 1 | |
| 2 | Vial 2 | Ethanol Calibrator 1, E1111-01 - Exp. 02/10/11 |
| 3 | Vial 3 | Ethanol Calibrator 2, E1111-02 - Exp. 02/10/11 |
| 4 | Vial 4 | Ethanol Calibrator 3, E1111-03 - Exp. 02/10/11 |
| 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 | |

11054

Sequence: C:\HPCHEM\2\SEQUENCE\RFEXTSTD.S

| Line | Location | Sample Information |
|---|---|---|
| 15 | Vial 15 | |
| 16 | Vial 16 | |

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CONTROL-RF | SIMALC3 | 1 | Ctrl Samp | | |

RF

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

11054

## Calibration Table

Calib. Data Modified : Wednesday, December 07, 2011 3:32:48 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

RF

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.064 | 1 | 1 | 7.86300e-2 | 497.91489 | 1.57919e-4 | 1 | | Ethanol |
| | | 2 | 1.55890e-1 | 995.55957 | 1.56585e-4 | | | |
| | | 3 | 3.12180e-1 | 2075.72949 | 1.50395e-4 | | | |
| 1.824 | 1 | 1 | 1.00000 | 1462.84619 | 6.83599e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1485.19470 | 6.73312e-4 | | | |
| | | 3 | 1.00000 | 1509.78040 | 6.62348e-4 | | | |

## Peak Sum Table

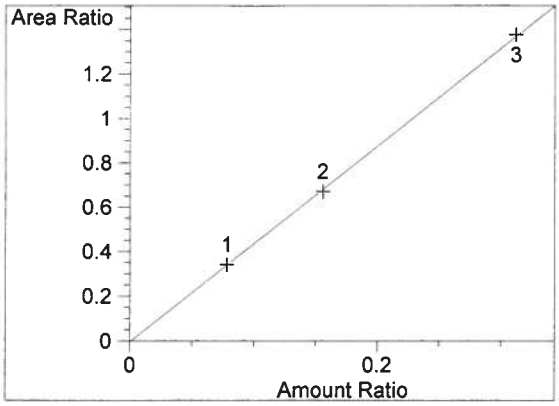
***No Entries in table***

11054

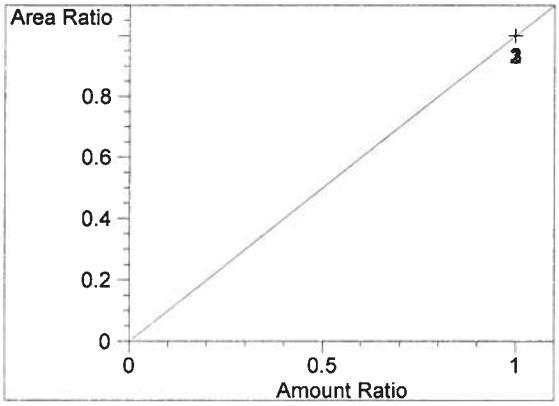
==========

Calibration Curves

==========




Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99991
Residual Std. Dev.: 0.00937
Formula: y = mx + b
m: 4.40464
b: -5.61637e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

RF

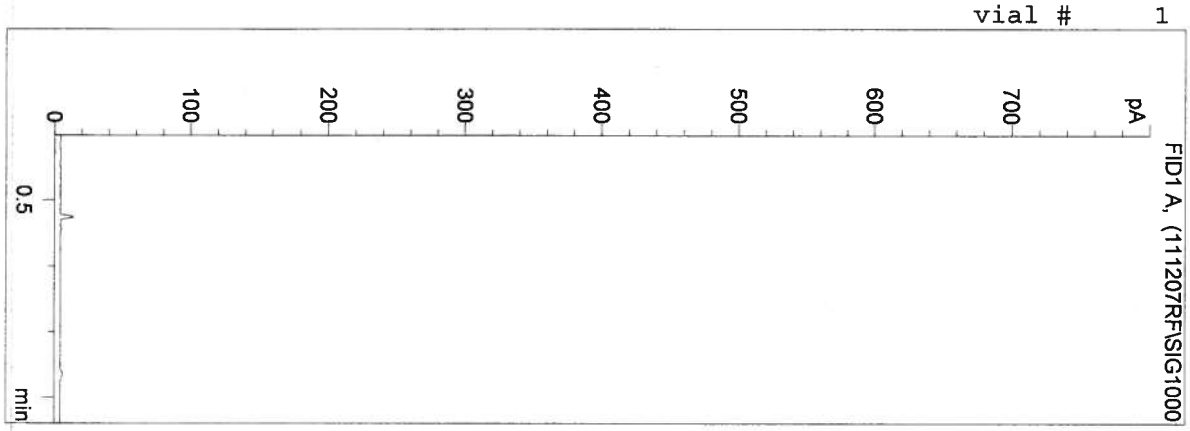
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:21:14 PM
Instrument 3
DB-ALC2

BLANK
Rebecca Flaherty

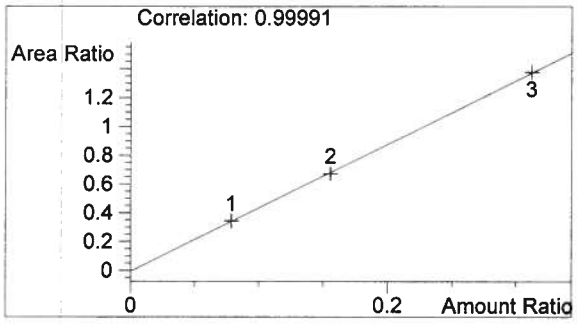
vial # 1



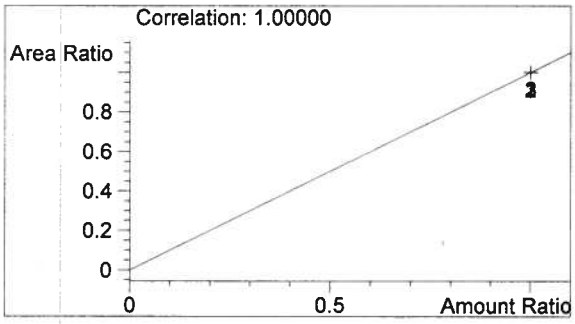

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:

RC




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

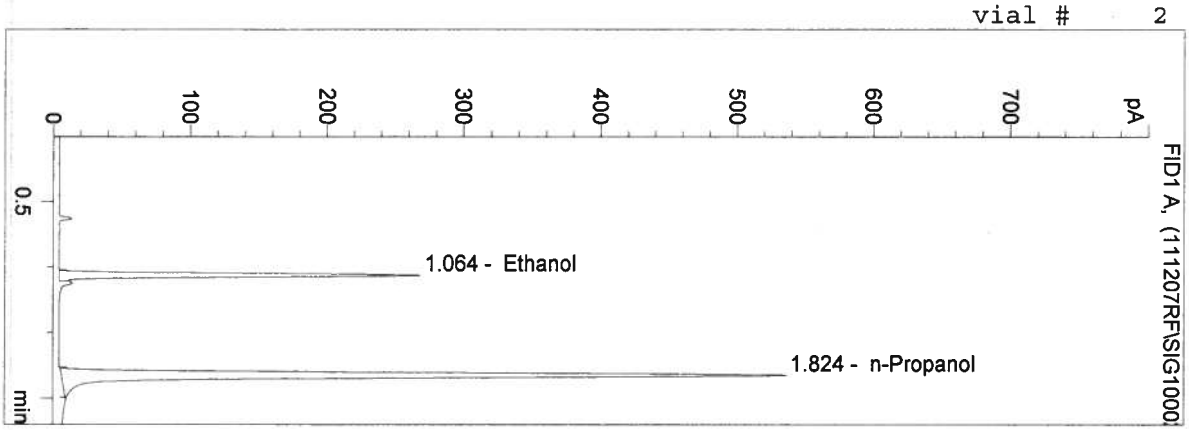
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:24:21 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Rebecca Flaherty

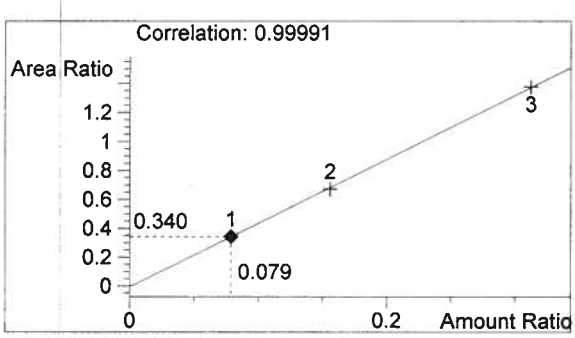
vial # 2



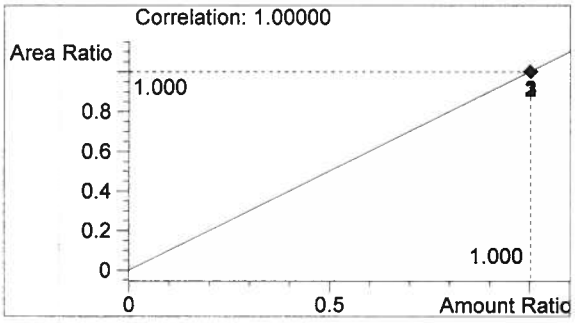

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 498 | 1.064 |
| 2 | n-Propanol | 1463 | 1.824 |

Totals:

RK




Ethanol 0.079 g/100ml




n-Propanol 1.000 g/100ml

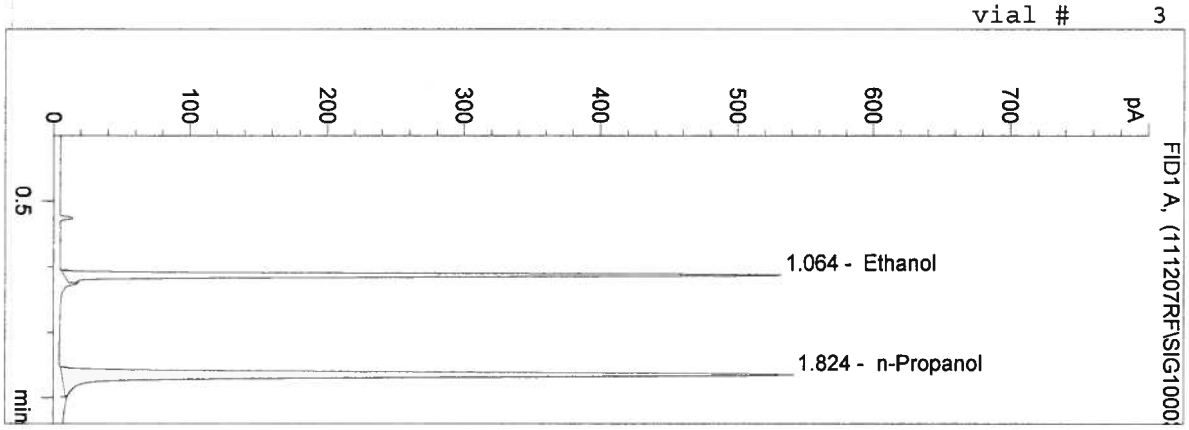
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:27:28 PM
Instrument 3
DB-ALC2

0.158 CAL 2
Rebecca Flaherty

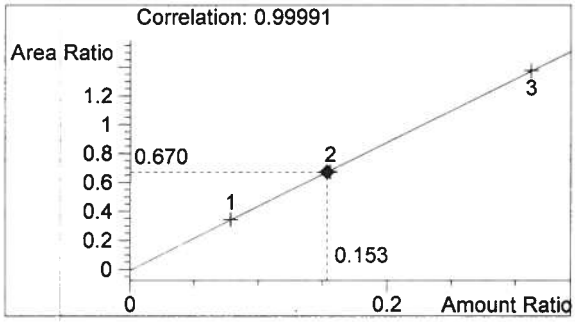
vial # 3



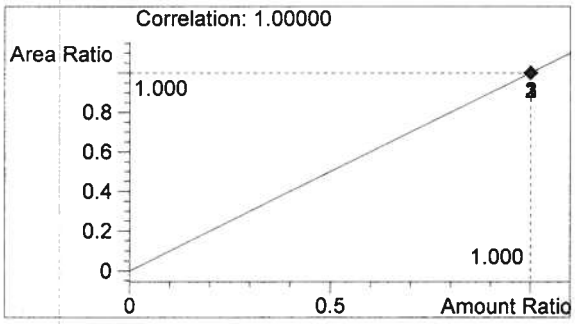

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 996 | 1.064 |
| 2 | n-Propanol | 1485 | 1.824 |

Totals:

RF




Ethanol 0.153 g/100ml




n-Propanol 1.000 g/100ml

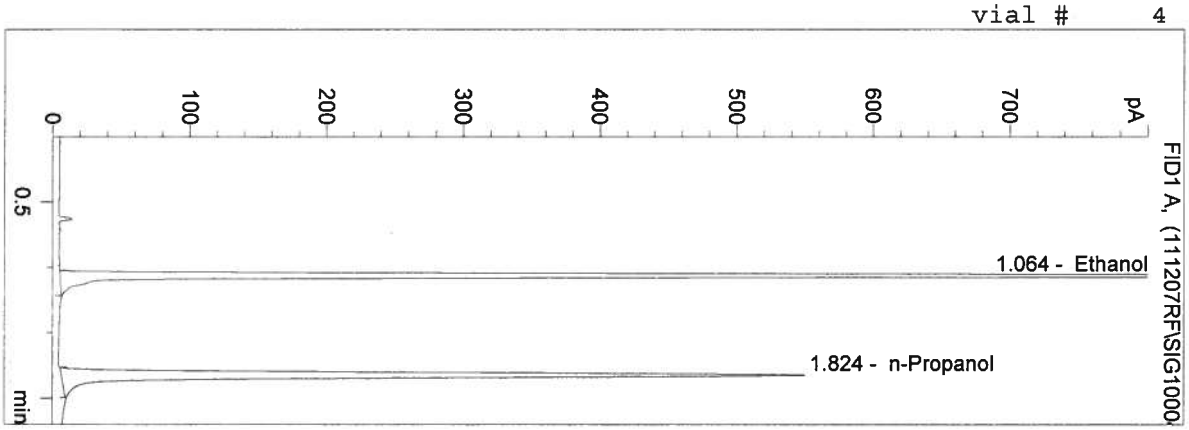
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:30:36 PM
Instrument 3
DB-ALC2

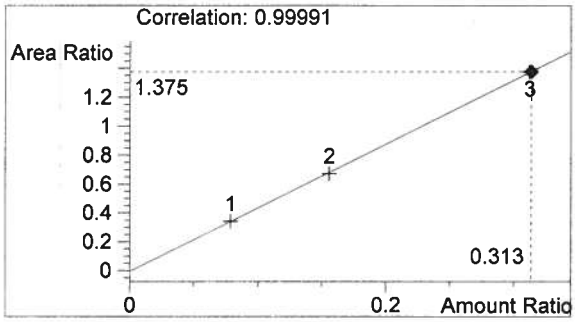
0.316 CAL 3
Rebecca Flaherty

vial # 4

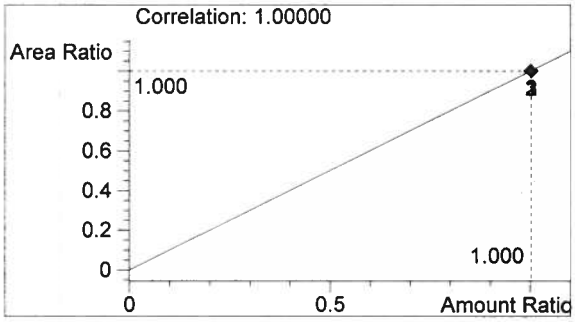



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2076 | 1.064 |
| 2 | n-Propanol | 1510 | 1.824 |
| Totals: | | | |

RK




Ethanol 0.313 g/100ml




n-Propanol 1.000 g/100ml

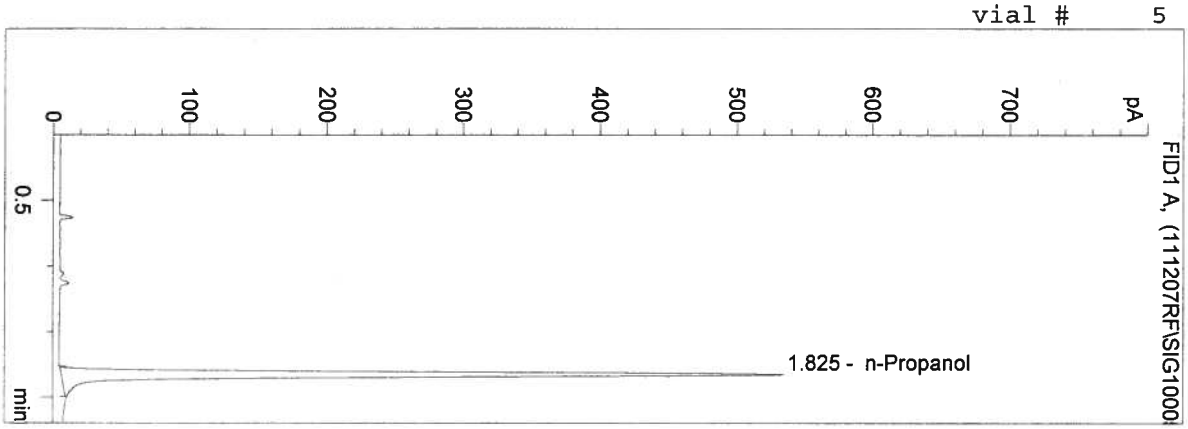
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:33:43 PM
Instrument 3
DB-ALC2

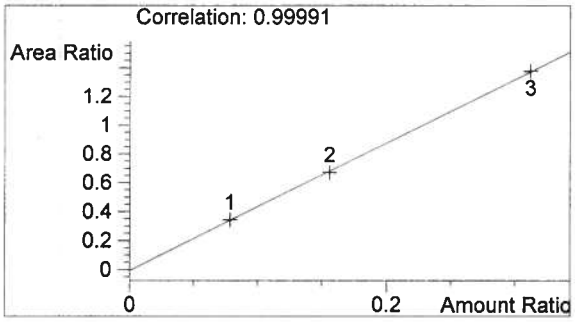
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

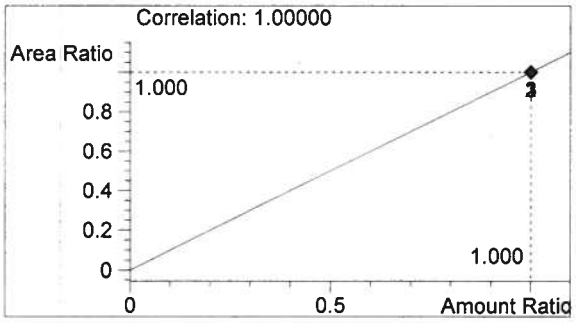



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1465 | 1.825 |
| Totals: | | | |

RF




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

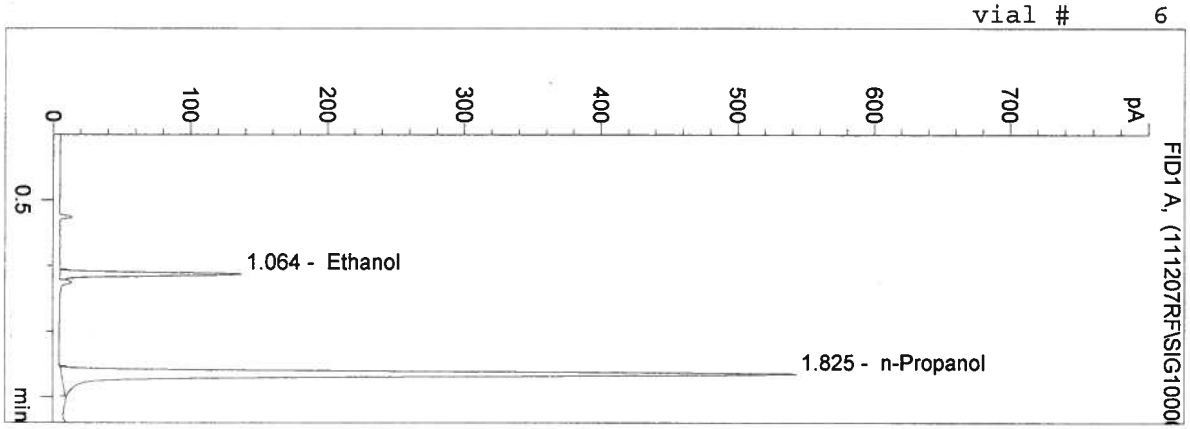
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:36:50 PM
Instrument 3
DB-ALC2

0.04 CONTROL-RF
Rebecca Flaherty

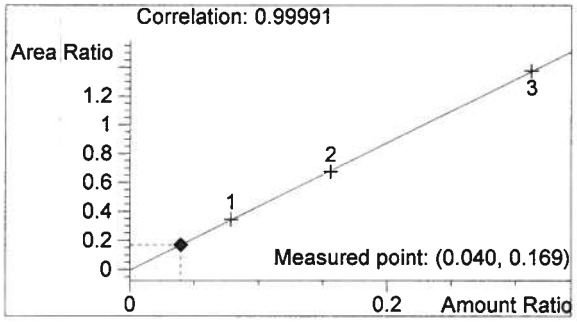
vial # 6



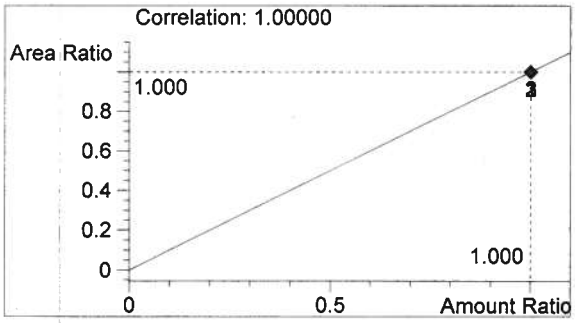

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 251 | 1.064 |
| 2 | n-Propanol | 1487 | 1.825 |

Totals:

RF




Ethanol 0.040 g/100ml




n-Propanol 1.000 g/100ml

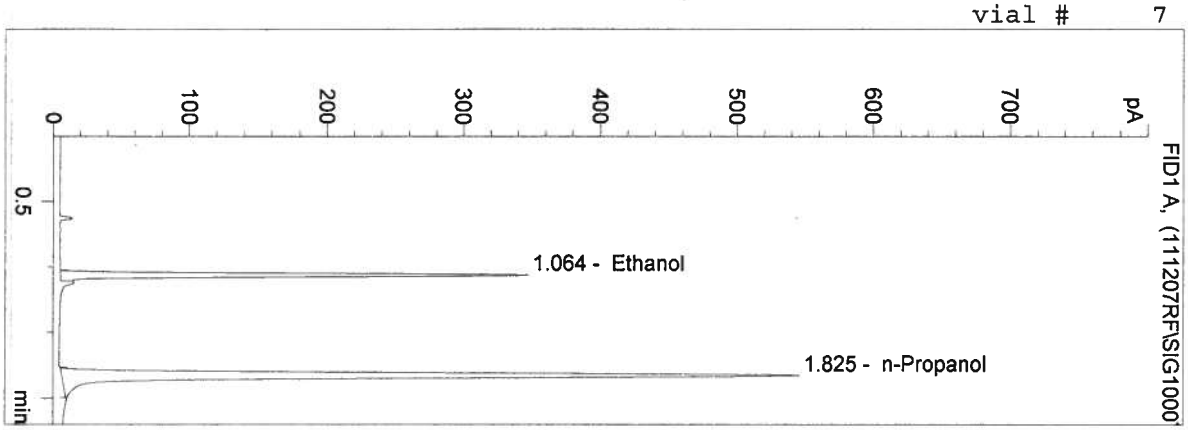
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/7/2011 3:39:57 PM
Instrument 3
DB-ALC2

0.10 CONTROL-RF
Rebecca Flaherty

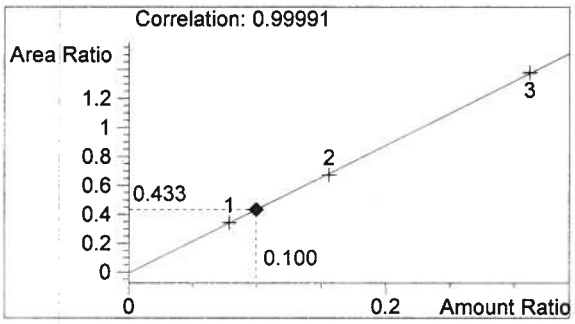
vial # 7



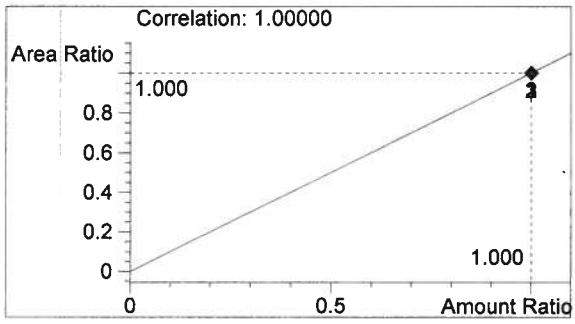

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 648 | 1.064 |
| 2 | n-Propanol | 1496 | 1.825 |

Totals:

RF




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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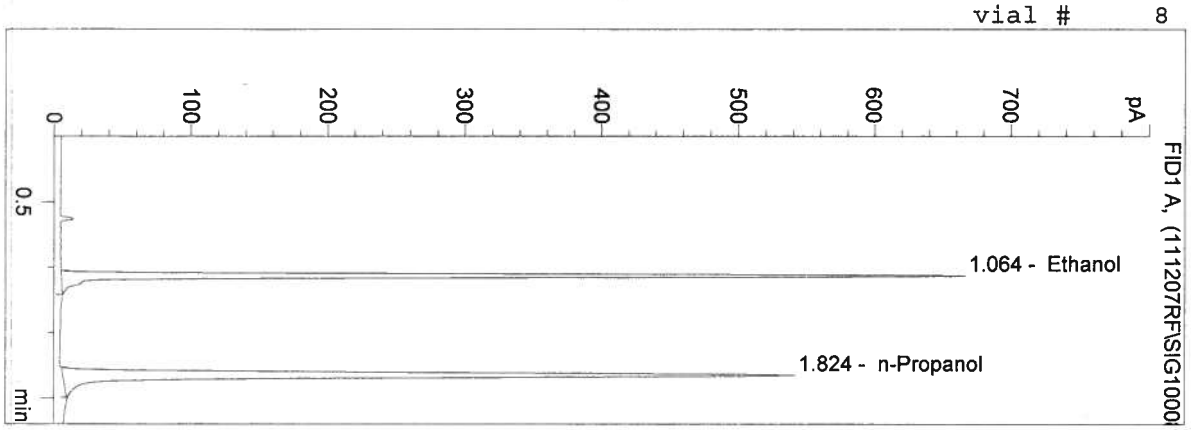
12/7/2011 3:43:05 PM
Instrument 3
DB-ALC2

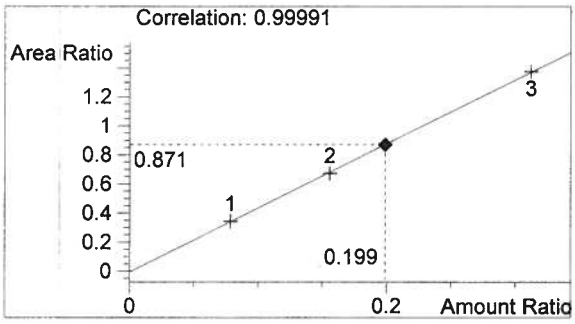
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

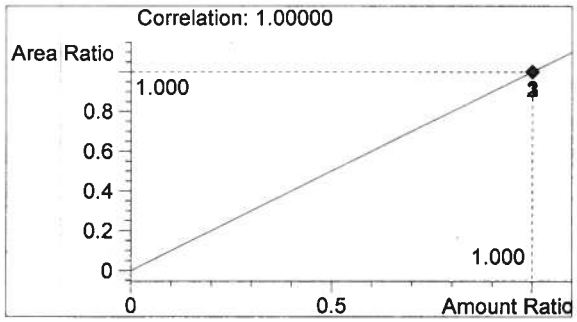



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1288 | 1.064 |
| 2 | n-Propanol | 1479 | 1.824 |
| Totals: | | | |

RF




Ethanol 0.199 g/100ml




n-Propanol 1.000 g/100ml

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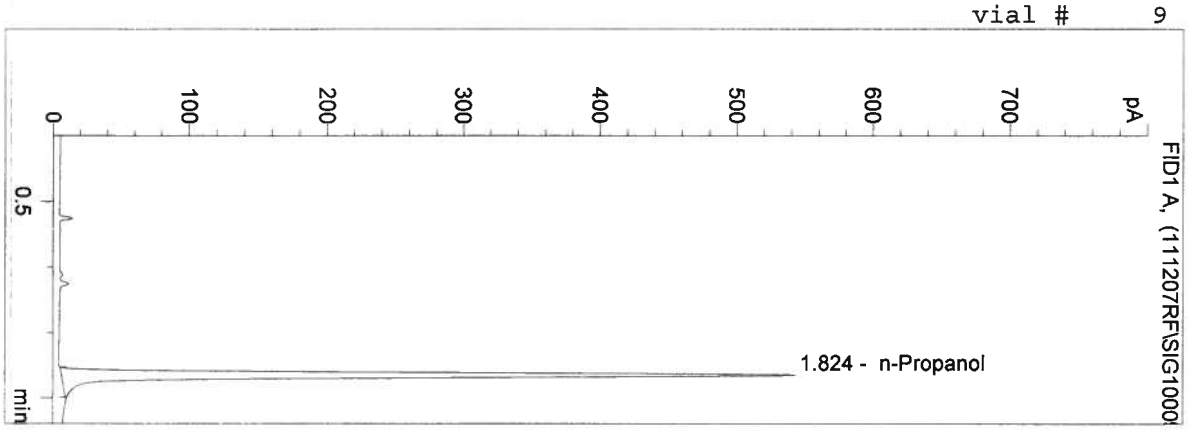
12/7/2011 3:46:12 PM
Instrument 3
DB-ALC2

NEG CONTROL-RF
Rebecca Flaherty

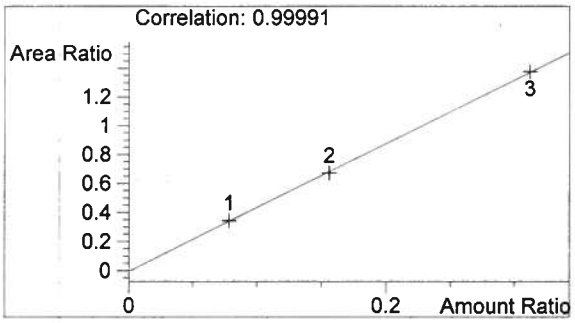
vial # 9



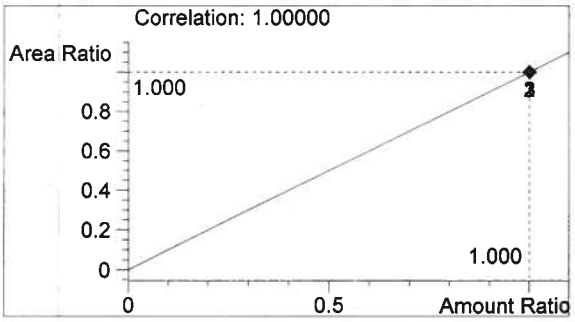

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1485 | 1.824 |

Totals:

RF




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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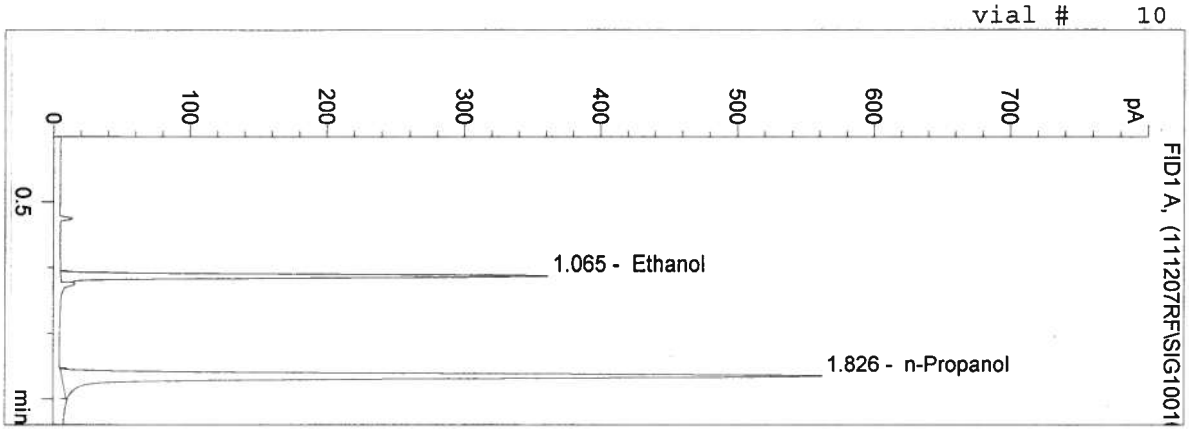
12/7/2011 3:49:19 PM
Instrument 3
DB-ALC2

11054 #1
Rebecca Flaherty

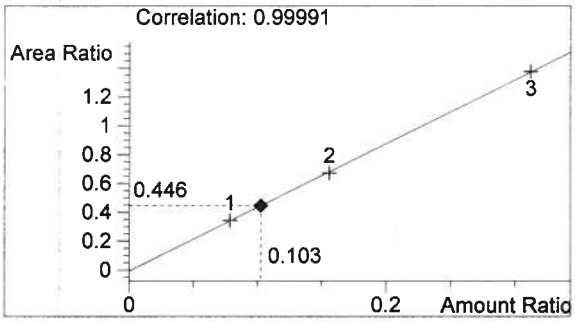
vial # 10



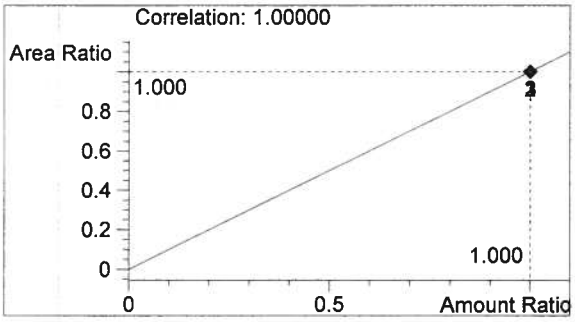

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 690 | 1.065 |
| 2 | n-Propanol | 1547 | 1.826 |

Totals:

RK




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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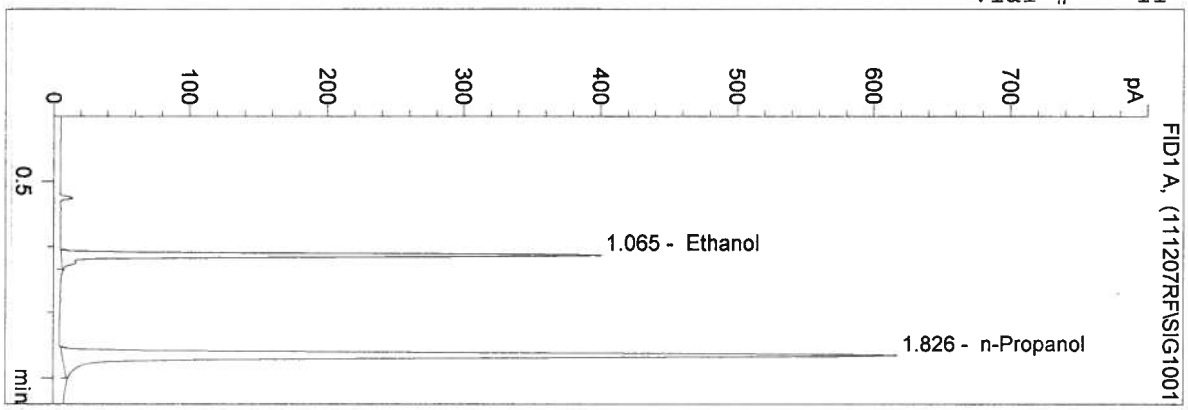
12/7/2011 3:52:26 PM
Instrument 3
DB-ALC2

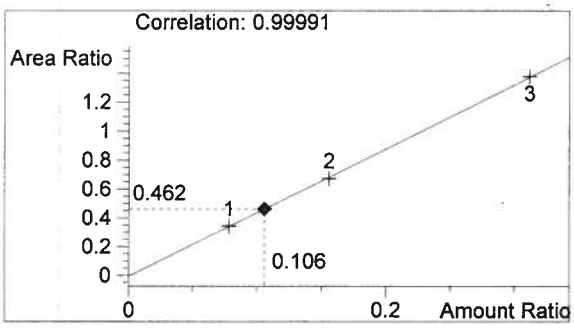
11054 #2
Rebecca Flaherty

vial # 11

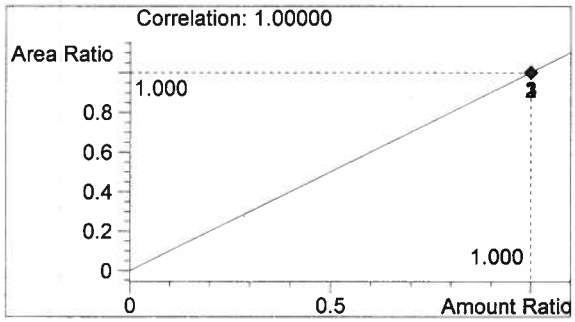



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 787 | 1.065 |
| 2 | n-Propanol | 1702 | 1.826 |
| Totals: | | | |

RF




Ethanol 0.106 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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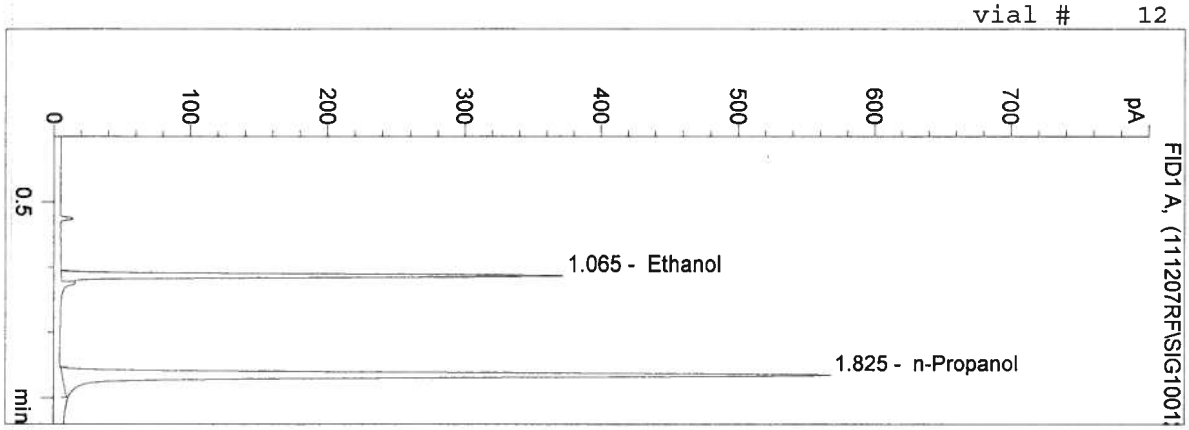
12/7/2011 3:55:33 PM
Instrument 3
DB-ALC2

11054 #3
Rebecca Flaherty

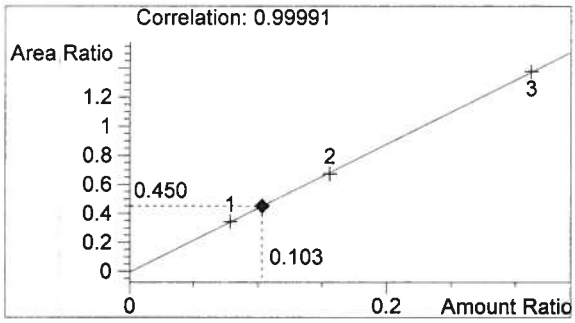
vial # 12



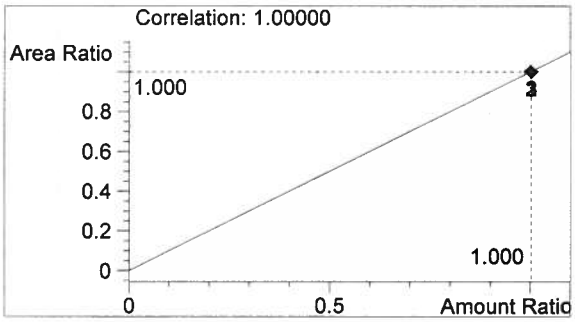

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 700 | 1.065 |
| 2 | n-Propanol | 1556 | 1.825 |

Totals:

RF




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

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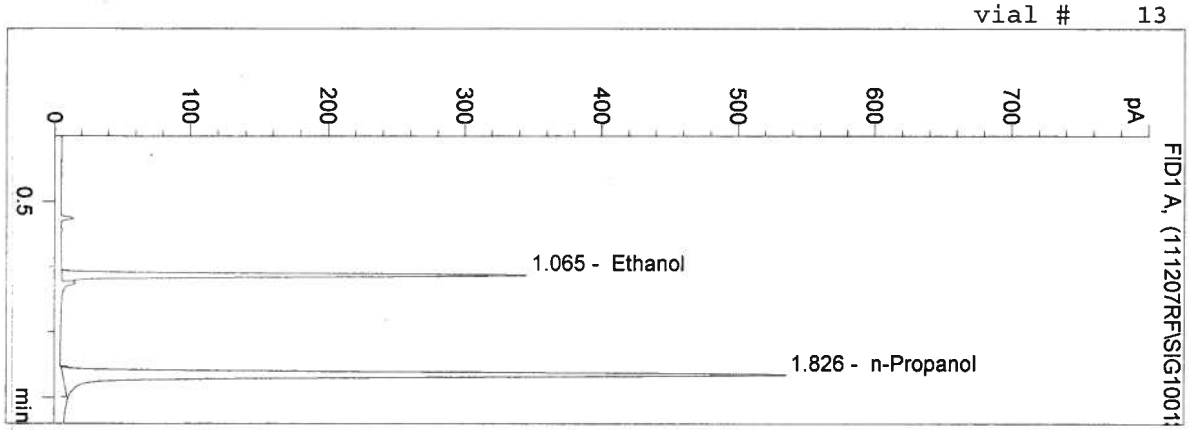
12/7/2011 3:58:41 PM
Instrument 3
DB-ALC2

11054 #4
Rebecca Flaherty

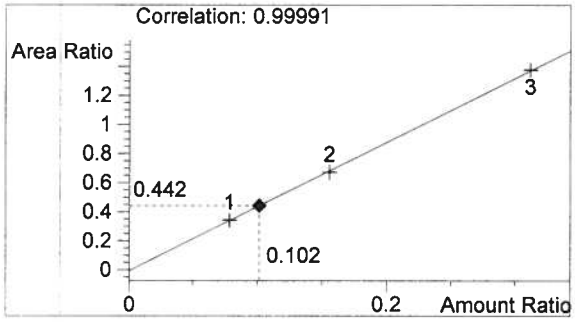
vial # 13



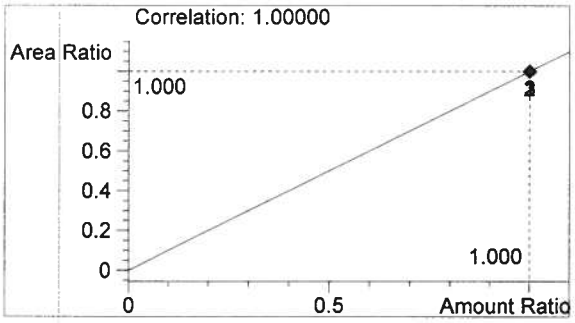

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 650 | 1.065 |
| 2 | n-Propanol | 1470 | 1.826 |

Totals:

RF




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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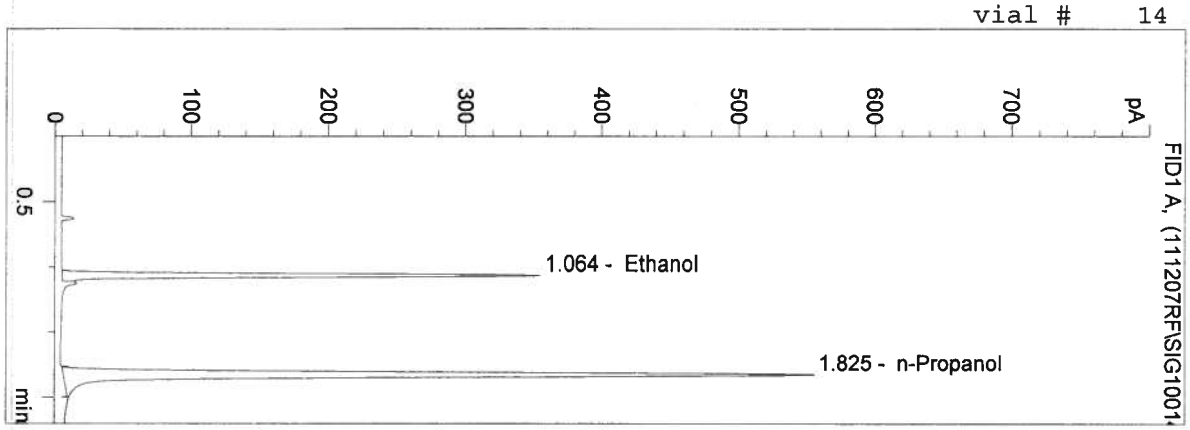
12/7/2011 4:01:48 PM
Instrument 3
DB-ALC2

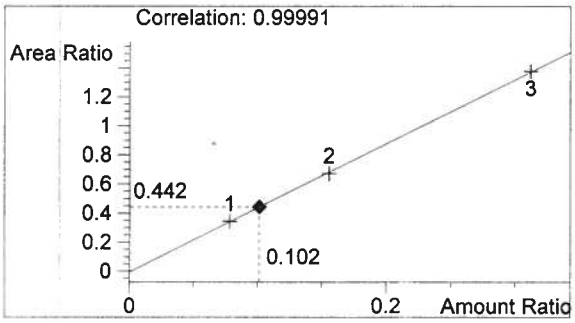
11054 #5
Rebecca Flaherty

vial # 14

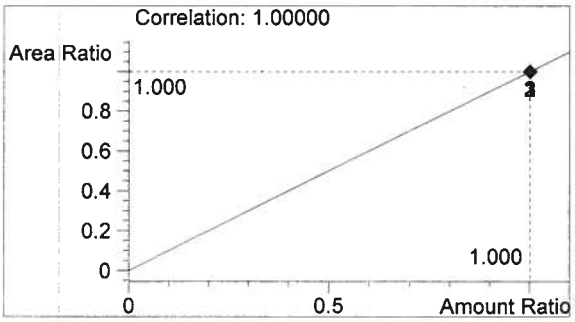



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 677 | 1.064 |
| 2 | n-Propanol | 1532 | 1.825 |
| Totals: | | | |

RF




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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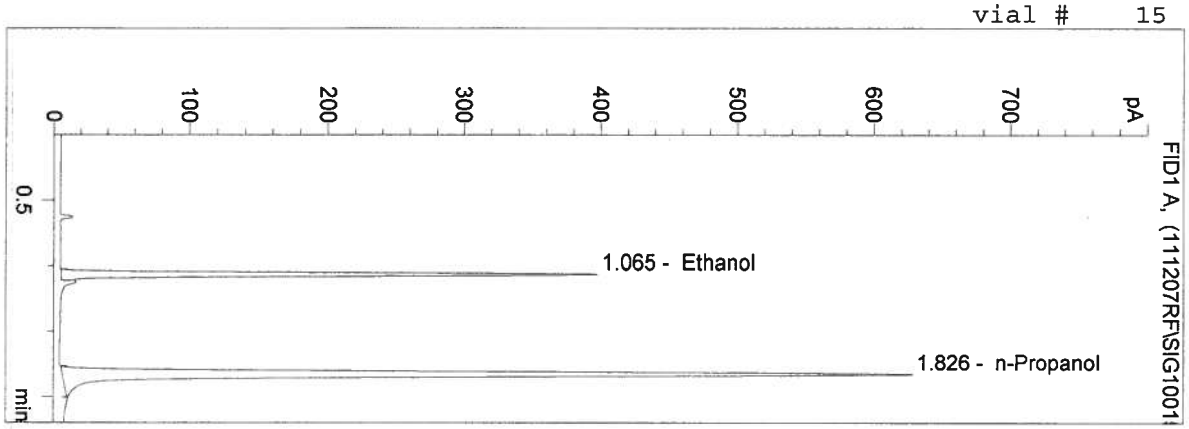
12/7/2011 4:04:55 PM
Instrument 3
DB-ALC2

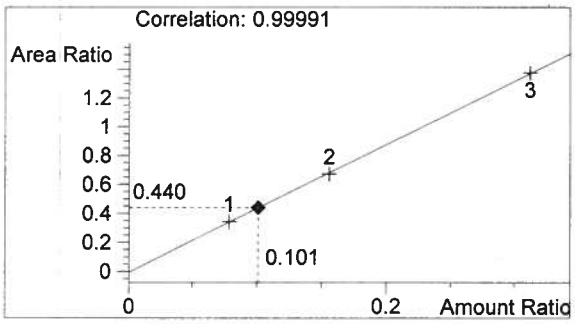
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

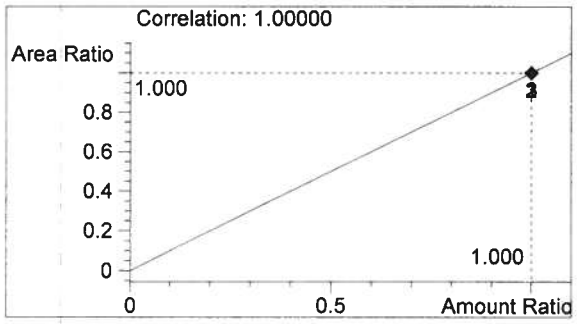



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 761 | 1.065 |
| 2 | n-Propanol | 1730 | 1.826 |
| Totals: | | | |

RF




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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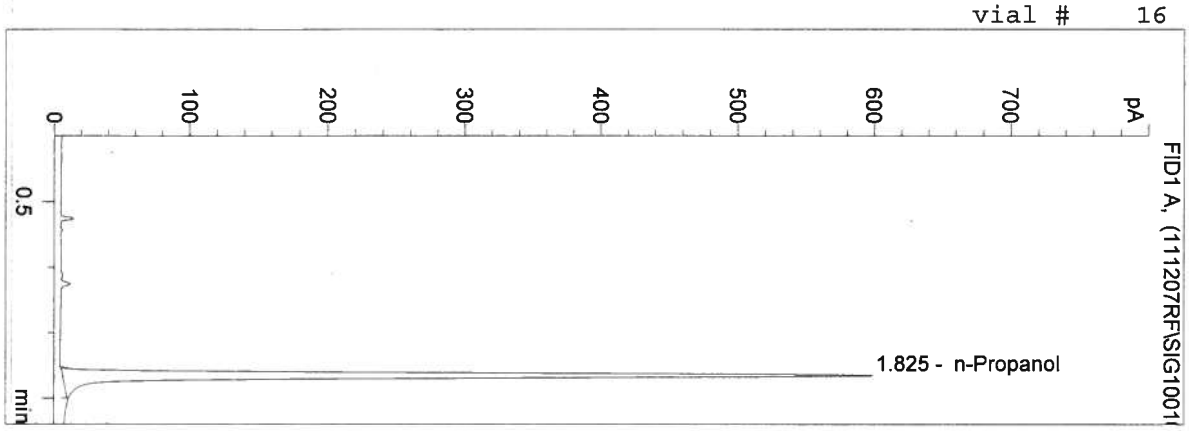
12/7/2011 4:08:03 PM
Instrument 3
DB-ALC2

NEG CONTROL-RF
Rebecca Flaherty

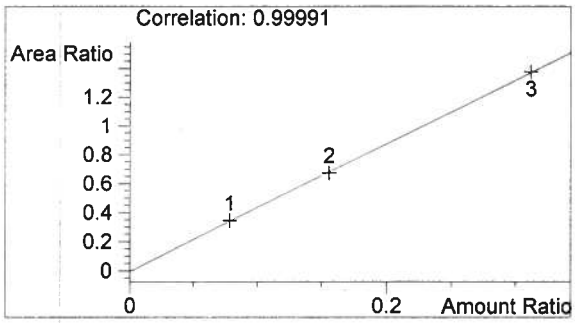
vial # 16



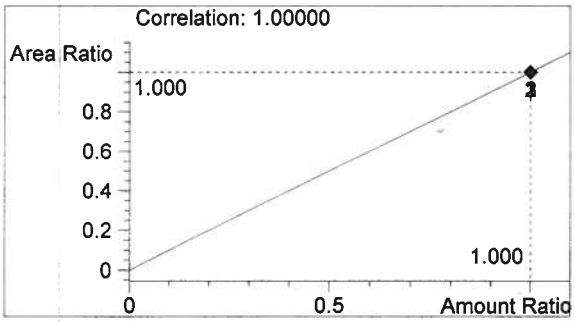

| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1641 | 1.825 |

Totals:

RF




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

## Sequence Parameters:

| | |
|---|---|
| Operator: | asa louis |
| Data File Naming: | Prefix/Counter |
| Signal 1 Prefix: | SIG1 |
| Counter: | 0001 |
| Signal 2 Prefix: | SIG2 |
| Counter: | 0001 |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 111208A1 |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
cal 1 e1111-01 exp 02/10/2012
cal 2 e1111-02 exp 02/10/2012
cal 3 e1111-03 exp 02/10/2012
0.04 control lot# a075264 exp 10/2014
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

## Sequence Table (Front Injector):

### Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | blank | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 cal 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 cal 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 cal 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | neg control - al | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 ctrl al | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 ctrl al | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 ctrl al | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | neg control - al | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 ctrl al | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | neg control - al | SIMALC3 | 1 | Ctrl Samp | | |

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2011 12 13

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### Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 cal 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 cal 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 cal 3 | SIMALC3 | 3 | Replace | Replace | |

AL
2011 12 08

## Sequence Table (Back Injector):

No entries - empty table!

A
2011 12 13

11054

A
2011 1208

## Calibration Table

Calib. Data Modified : Thursday, December 08, 2011 10:07:56 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.066 | 1 | 1 | 7.86300e-2 | 627.15826 | 1.25375e-4 | | 1 | Ethanol |
| | | 2 | 1.55890e-1 | 1239.96326 | 1.25721e-4 | | | |
| | | 3 | 3.12180e-1 | 2103.06055 | 1.48441e-4 | | | |
| 1.826 | 1 | 1 | 1.00000 | 1811.97290 | 5.51885e-4 | | I1 | n-Propanol |
| | | 2 | 1.00000 | 1734.39709 | 5.76569e-4 | | | |
| | | 3 | 1.00000 | 1500.06335 | 6.66639e-4 | | | |

## Peak Sum Table

***No Entries in table***

20111213

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20111208

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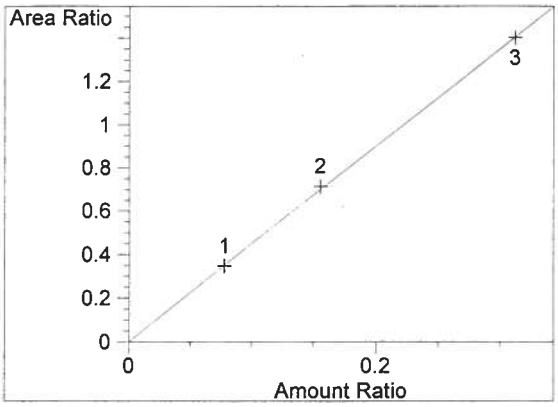
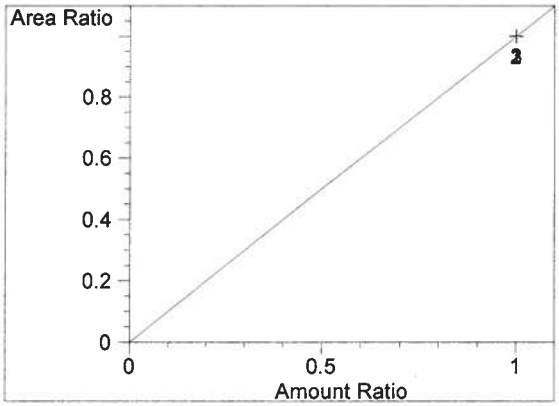
Calibration Curves

==========




Ethanol at exp. RT: 1.066
FID1 A,
Correlation: 0.99989
Residual Std. Dev.: 0.01106
Formula: y = mx + b
m: 4.50393
b: 1.81317e-4
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.826
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

M
2011213

11054

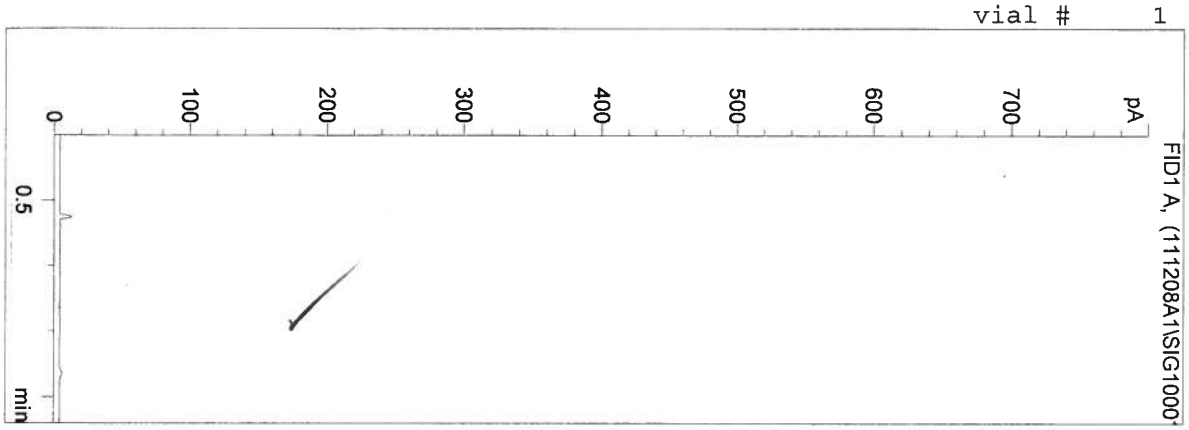
M
2011 1208

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:56:22 AM
Instrument 3
DB-ALC2

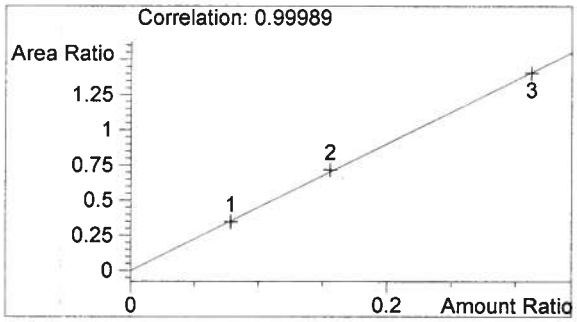
blank
asa louis

vial # 1

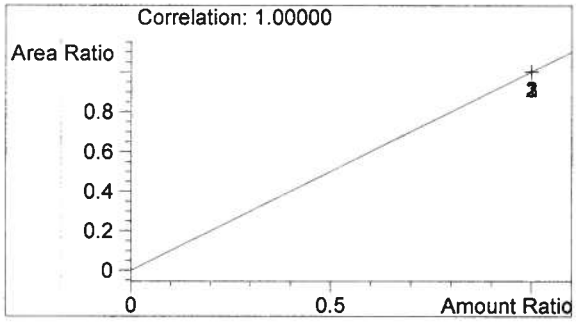



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

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20111213

11054

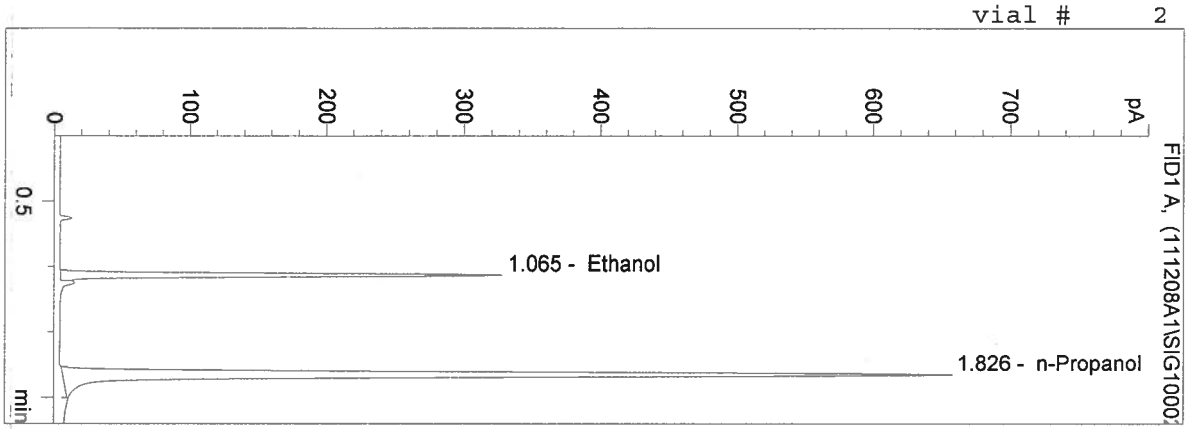
AL
20111208

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:59:30 AM
Instrument 3
DB-ALC2

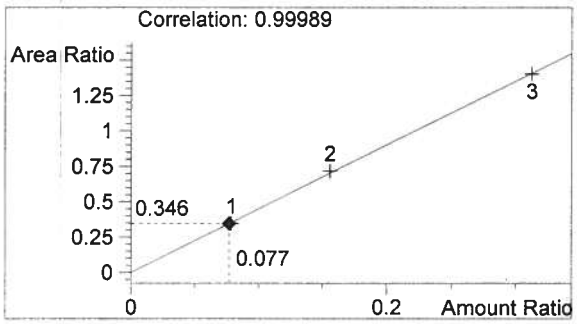
0.079 cal 1
asa louis

vial # 2

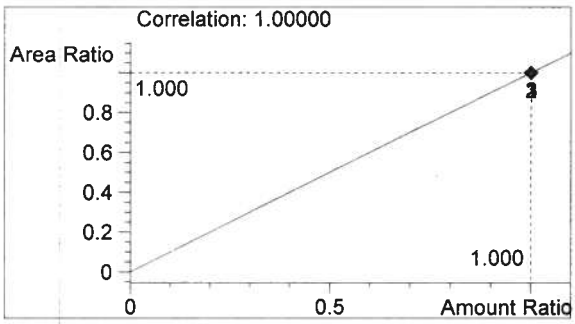



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 627 | 1.065 |
| 2 | n-Propanol | 1812 | 1.826 |

Totals:




Ethanol 0.077 g/100ml




n-Propanol 1.000 g/100ml

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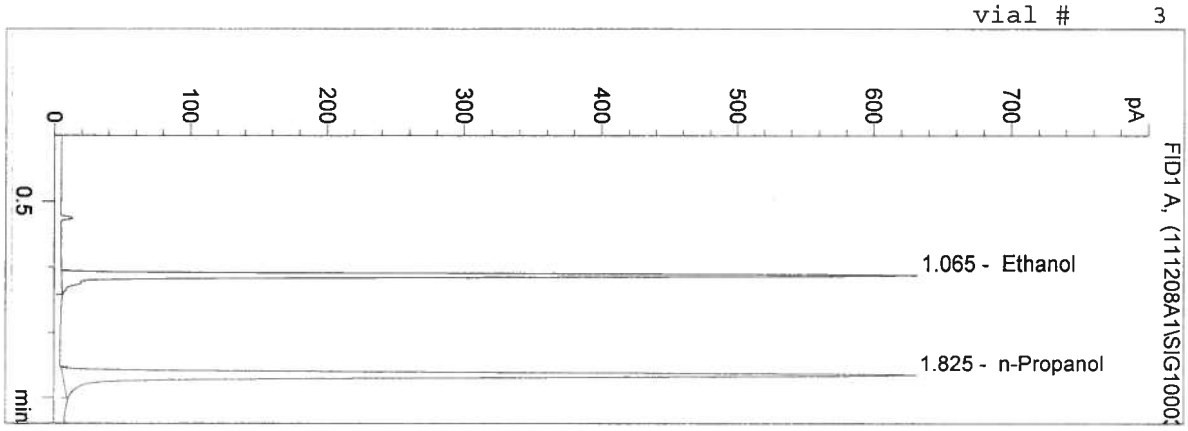
Instrument 3
DB-ALC2

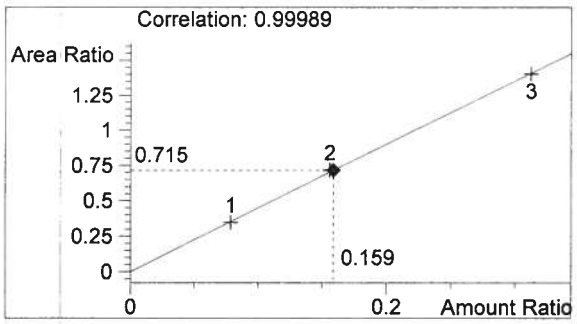
0.158 cal 2
asa louis

vial # 3

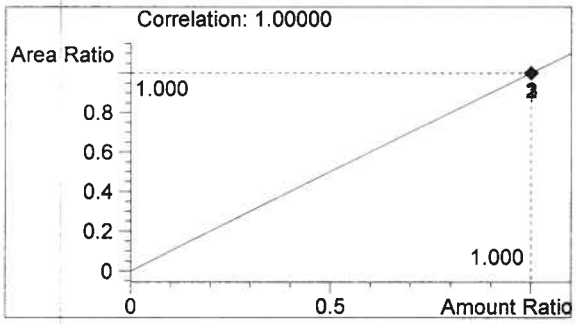



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1240 | 1.065 |
| 2 | n-Propanol | 1734 | 1.825 |

Totals:




Ethanol 0.159 g/100ml




n-Propanol 1.000 g/100ml

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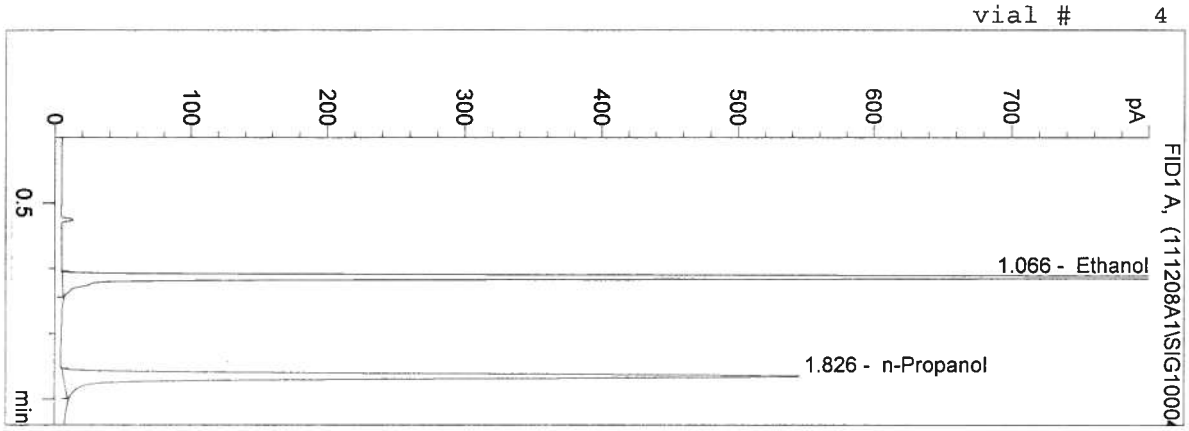
12/8/2011 10:05:44 AM
Instrument 3
DB-ALC2

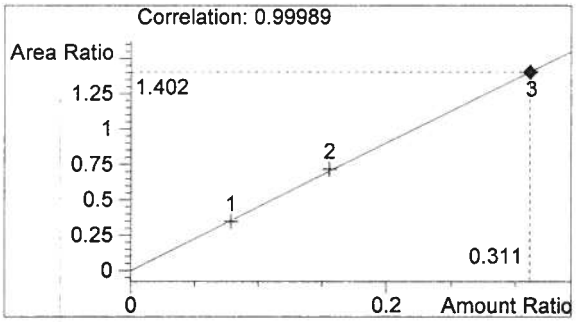
0.316 cal 3
asa louis

vial # 4

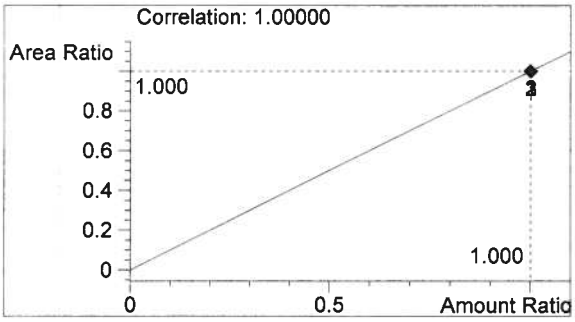



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2103 | 1.066 |
| 2 | n-Propanol | 1500 | 1.826 |

Totals:




Ethanol 0.311 g/100ml




n-Propanol 1.000 g/100ml

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Instrument 3
DB-ALC2

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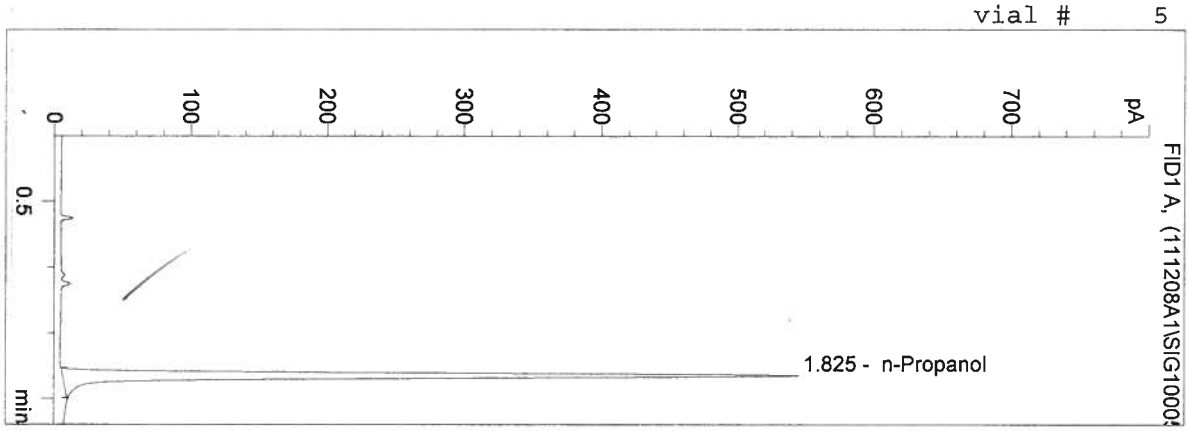
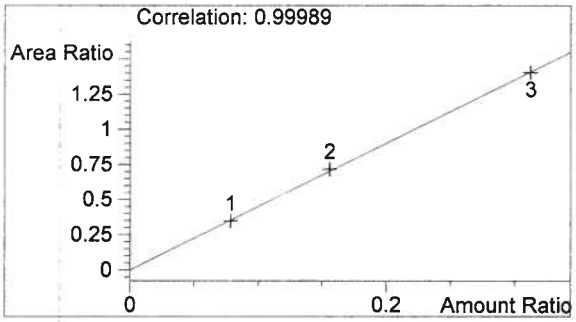
asa louis

vial # 5

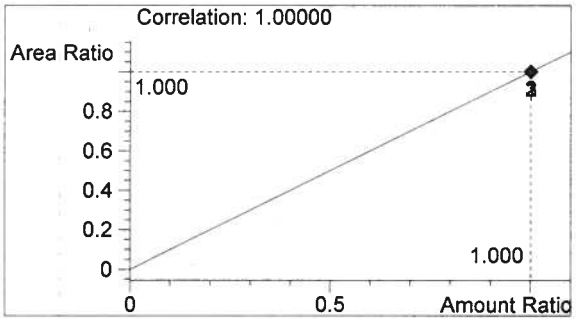



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1497 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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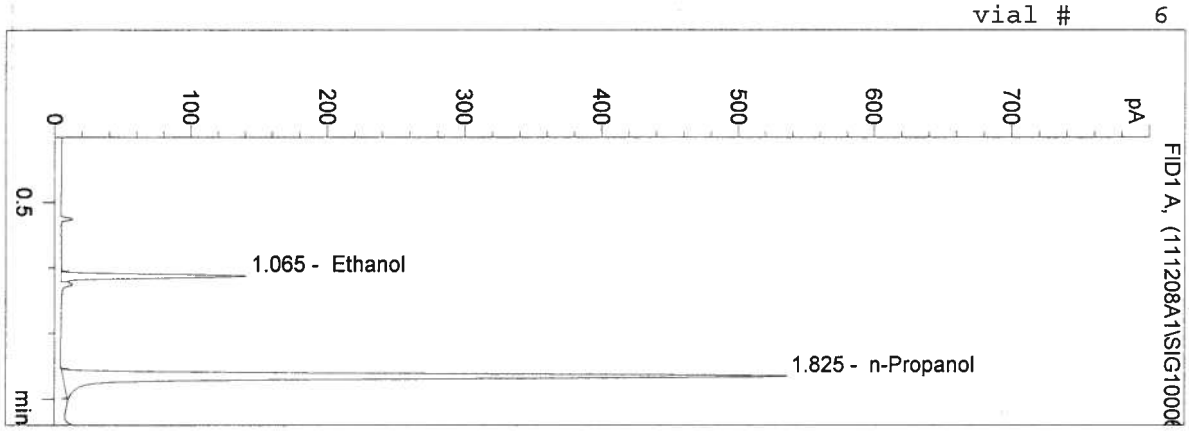
Instrument 3
DB-ALC2

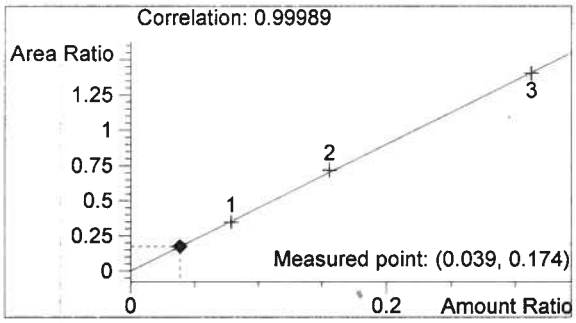
0.04 ctrl al
asa louis

vial # 6

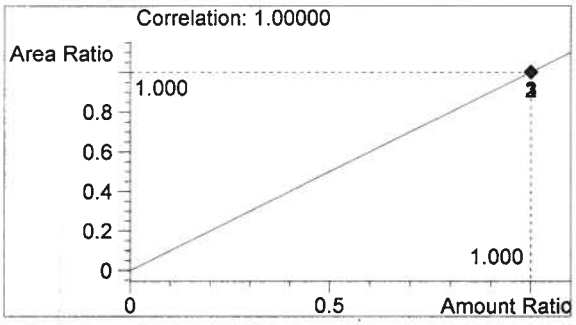



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 256 | 1.065 |
| 2 | n-Propanol | 1468 | 1.825 |

Totals:




Ethanol 0.039 g/100ml




n-Propanol 1.000 g/100ml

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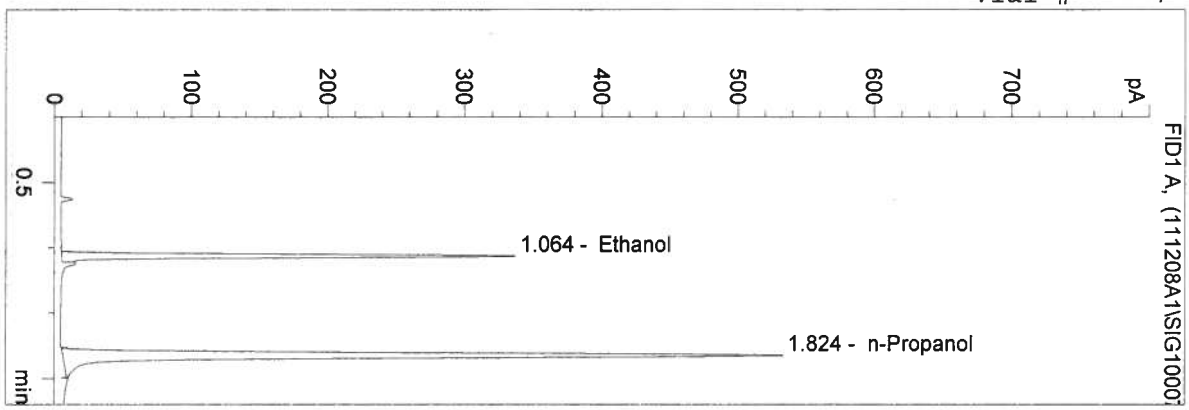
12/8/2011 10:15:06 AM
Instrument 3
DB-ALC2

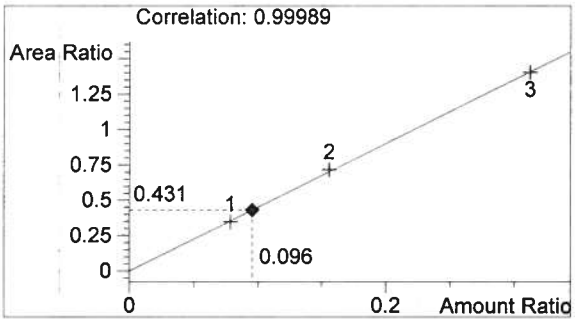
0.10 ctrl al
asa louis

vial # 7

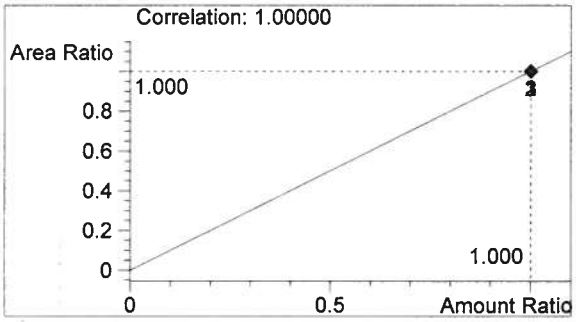



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 630 | 1.064 |
| 2 | n-Propanol | 1462 | 1.824 |

Totals:




Ethanol 0.096 g/100ml




n-Propanol 1.000 g/100ml

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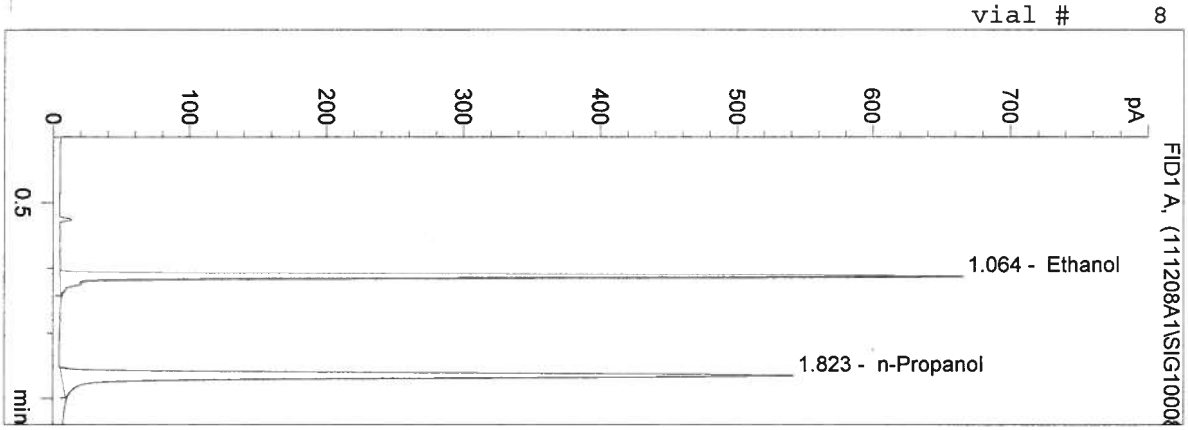
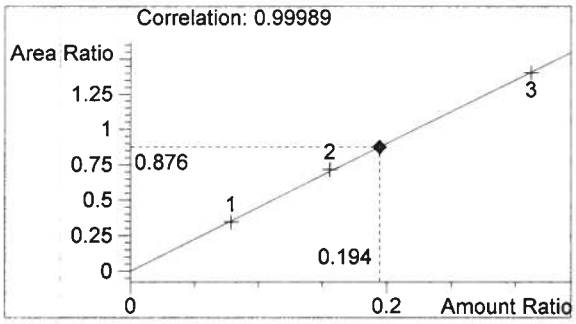
Instrument 3
DB-ALC2

0.20 ctrl al
asa louis

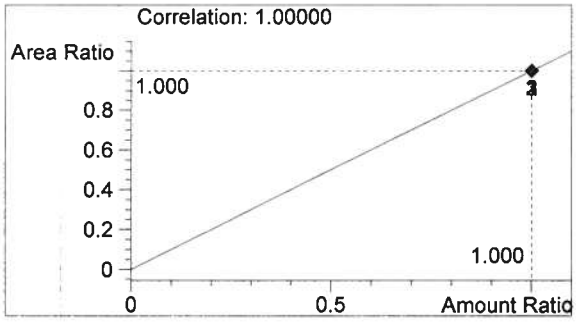
vial # 8




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1300 | 1.064 |
| 2 | n-Propanol | 1485 | 1.823 |
| Totals: | | | |




Ethanol 0.194 g/100ml




n-Propanol 1.000 g/100ml

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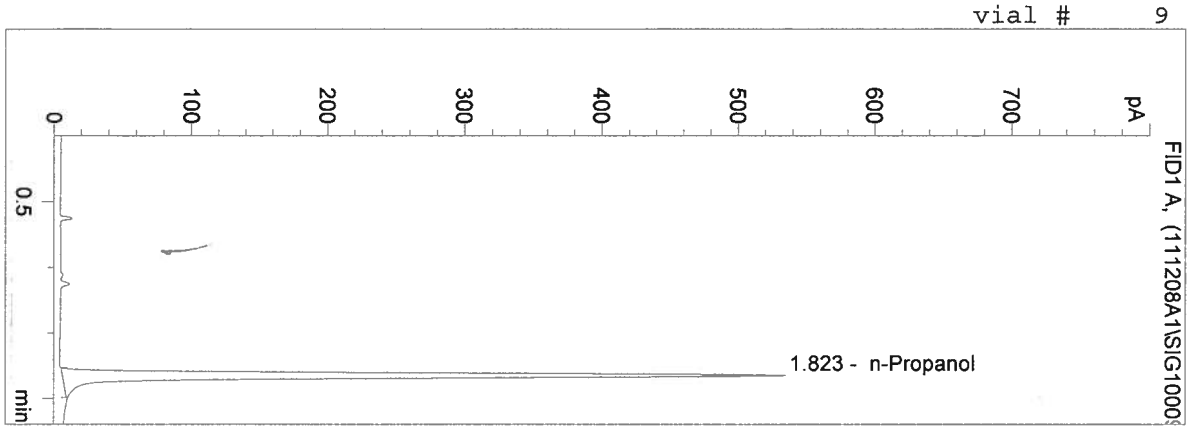
Instrument 3
DB-ALC2

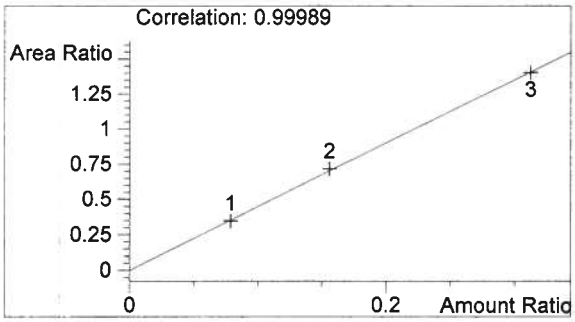
neg control - al
asa louis

vial # 9

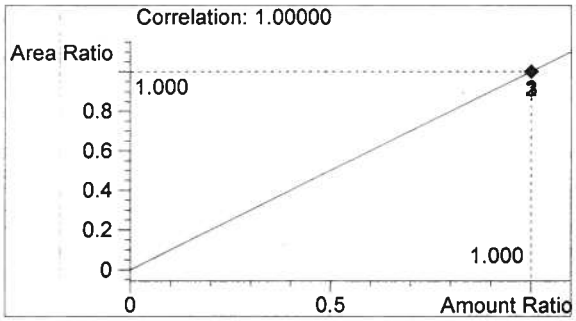



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1460 | 1.823 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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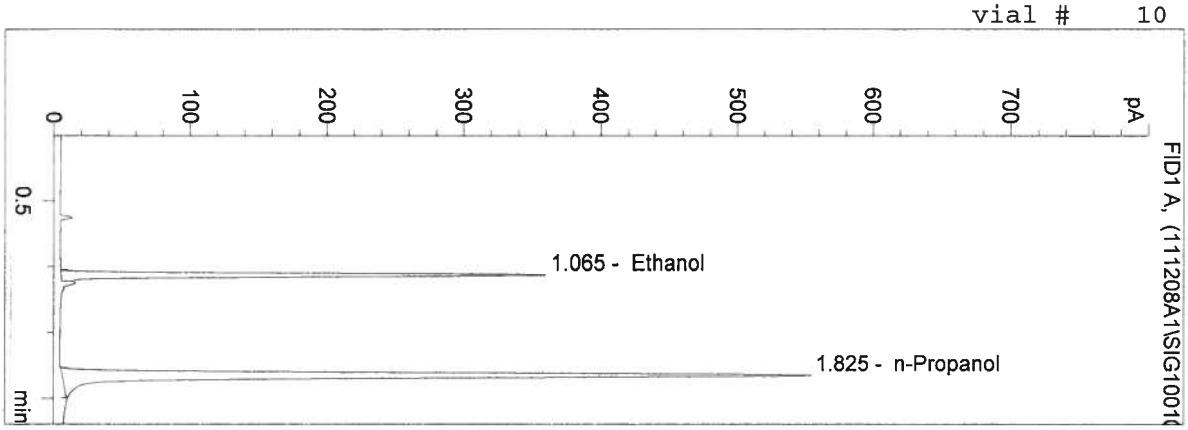
Instrument 3
DB-ALC2

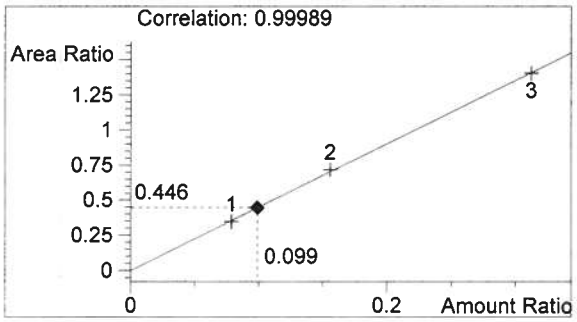
11054 #1
asa louis

vial # 10

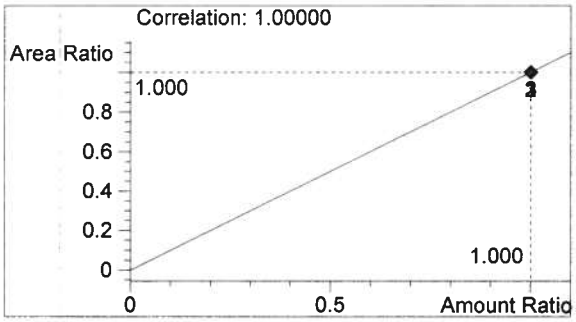



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 679 | 1.065 |
| 2 | n-Propanol | 1523 | 1.825 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

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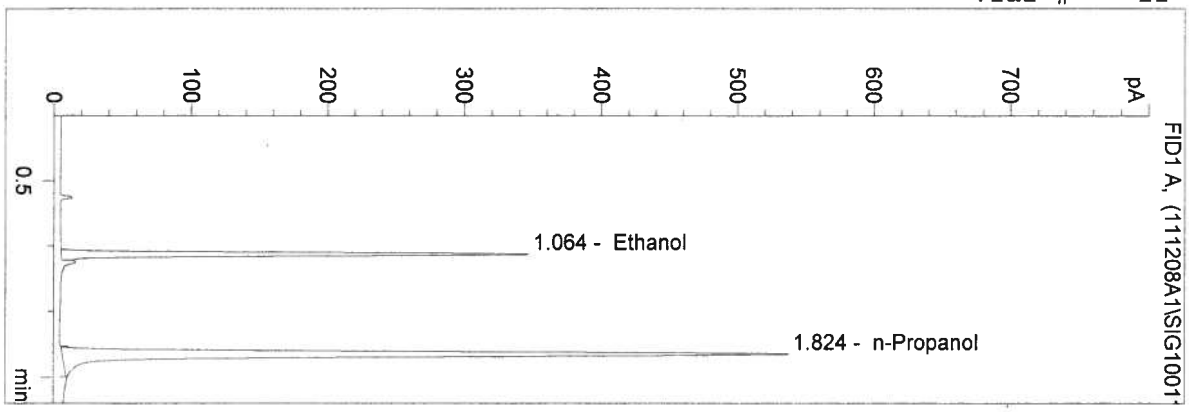
Instrument 3
DB-ALC2

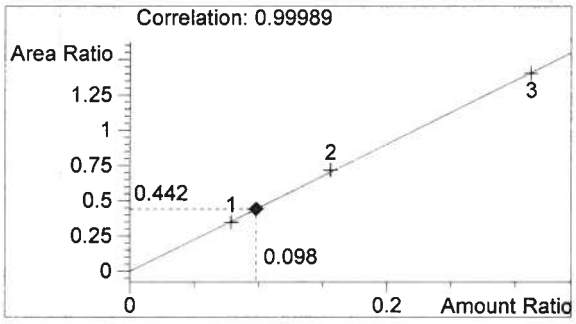
11054 #2
asa louis

vial # 11

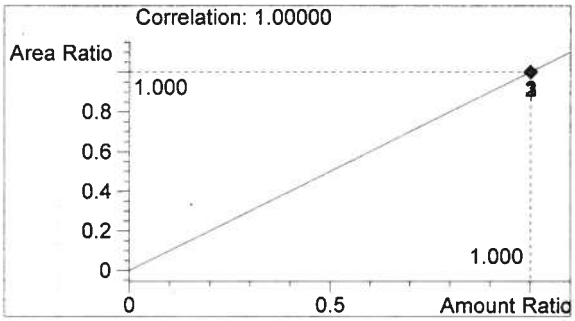



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 649 | 1.064 |
| 2 | n-Propanol | 1470 | 1.824 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

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Instrument 3
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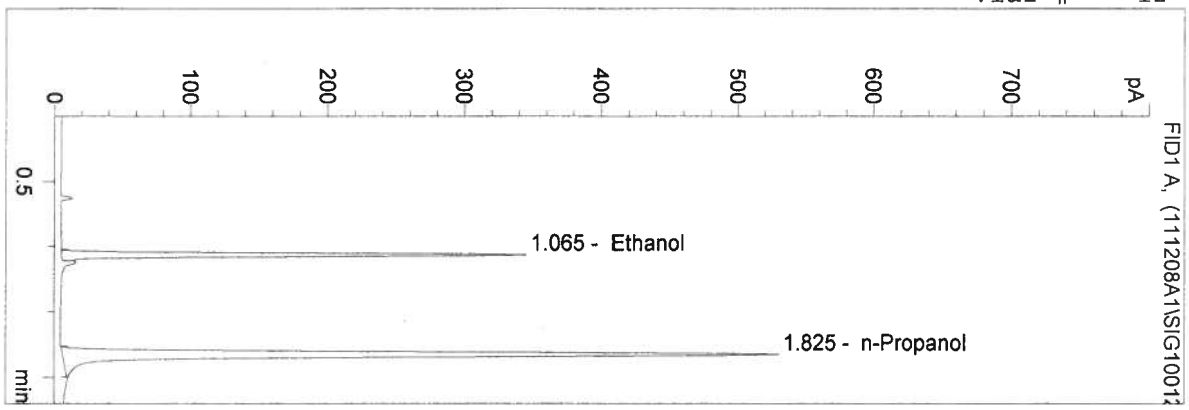
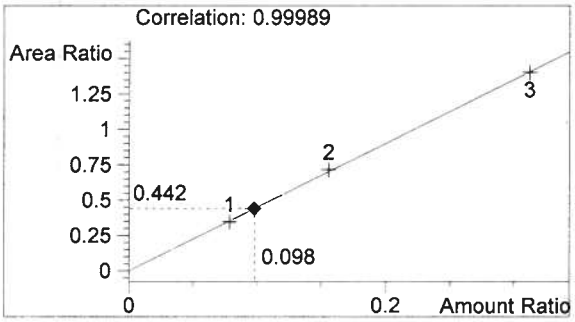
asa louis

vial # 12

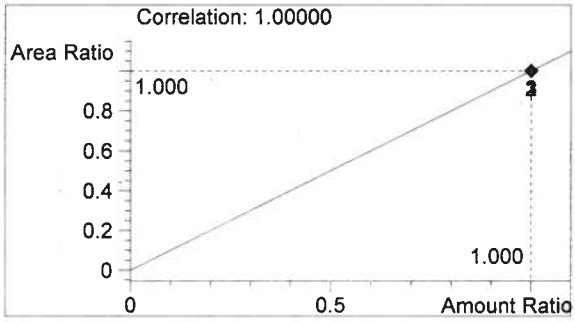



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 641 | 1.065 |
| 2 | n-Propanol | 1451 | 1.825 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

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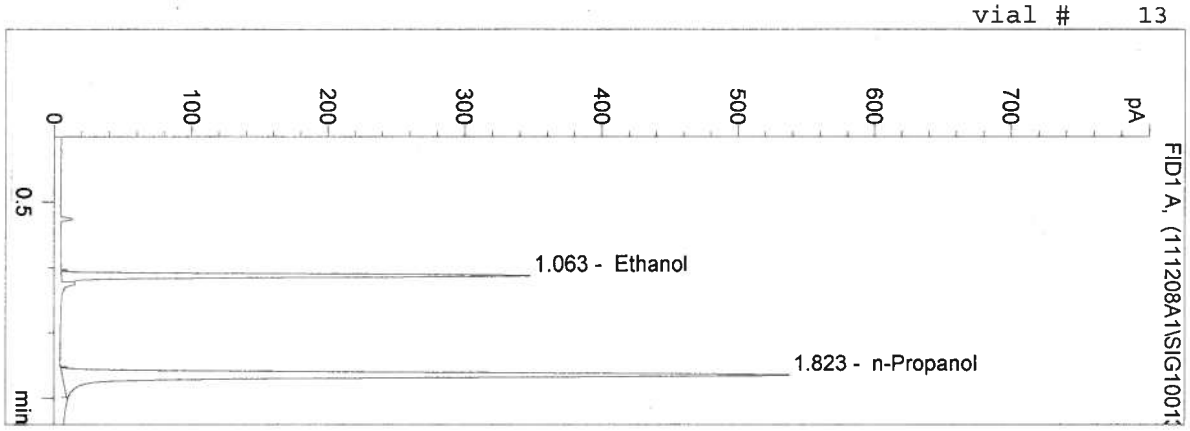
Instrument 3
DB-ALC2

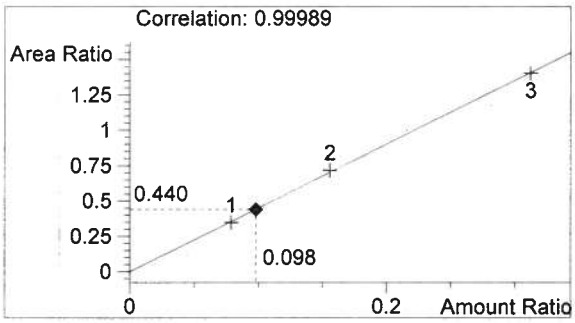
11054 #4
asa louis

vial # 13

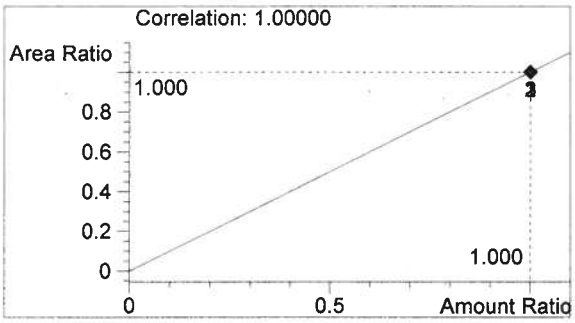



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 648 | 1.063 |
| 2 | n-Propanol | 1471 | 1.823 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

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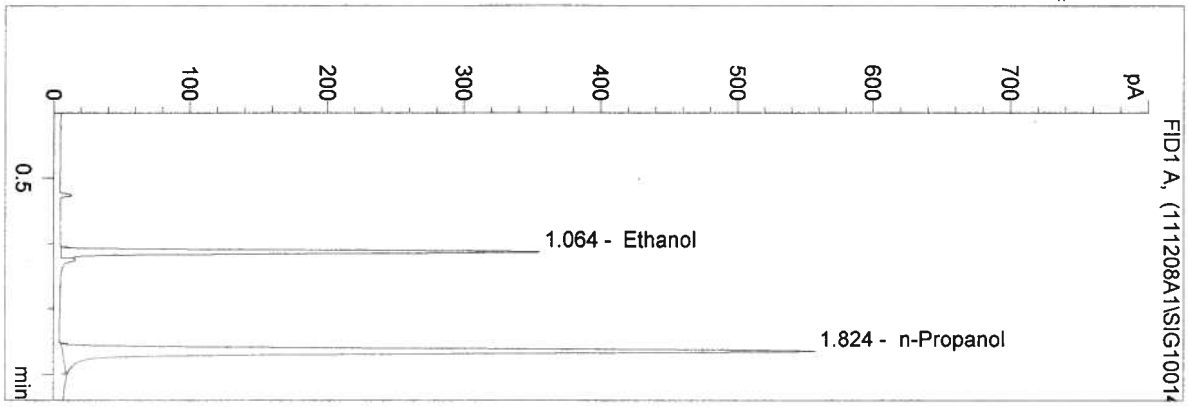
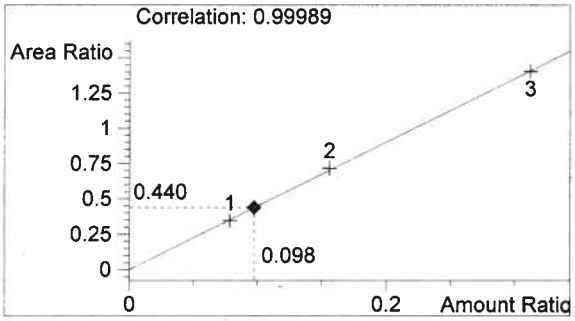
Instrument 3
DB-ALC2

11054 #5
asa louis

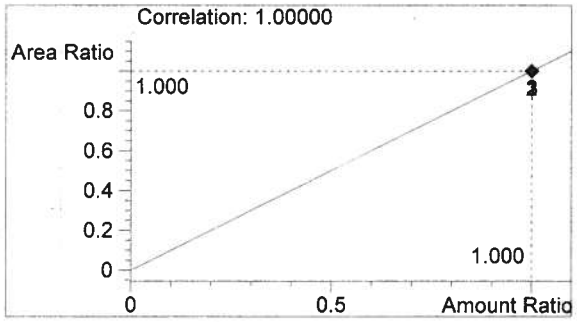
vial # 14




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 673 | 1.064 |
| 2 | n-Propanol | 1530 | 1.824 |
| Totals: | | | |




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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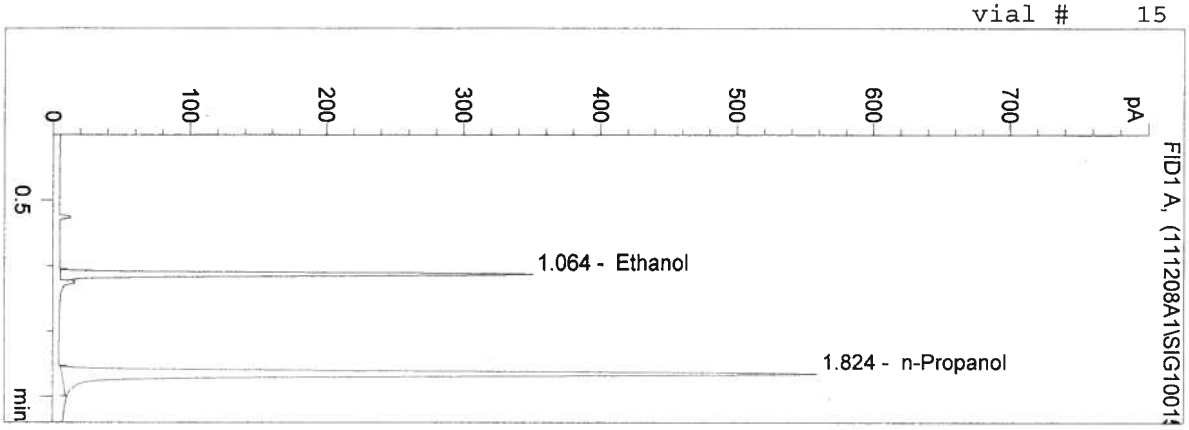
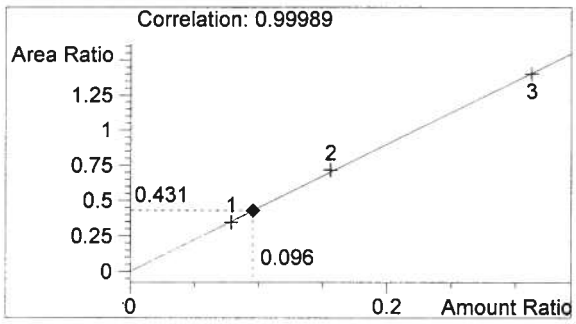
Instrument 3
DB-ALC2

0.10 ctrl al
asa louis

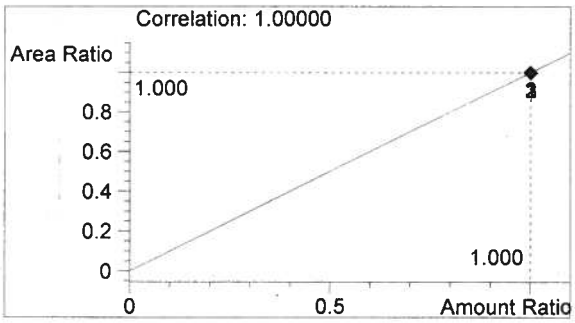
vial # 15




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 660 | 1.064 |
| 2 | n-Propanol | 1533 | 1.824 |
| Totals: | | | |




Ethanol 0.096 g/100ml




n-Propanol 1.000 g/100ml

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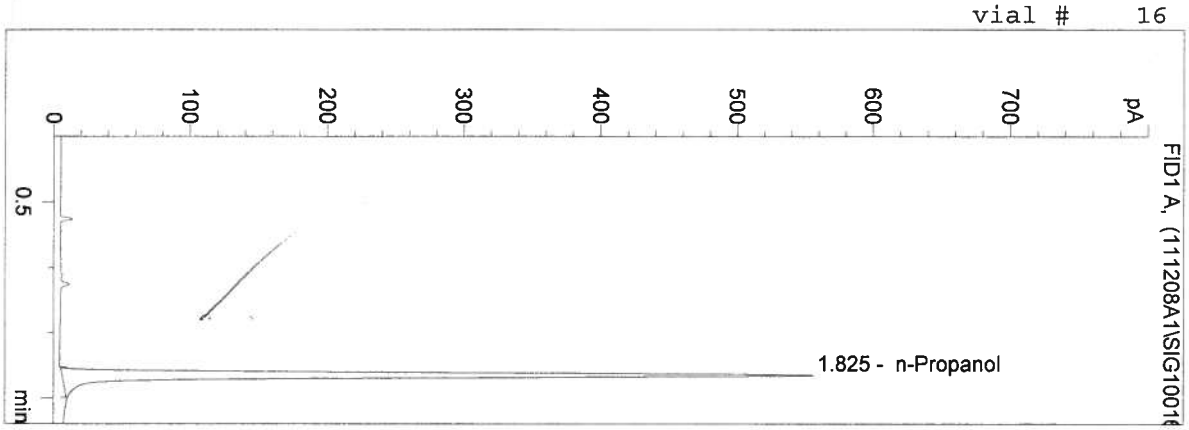
Instrument 3
DB-ALC2

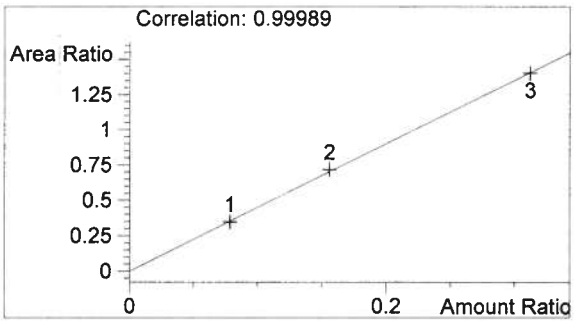
neg control - al
asa louis

vial # 16

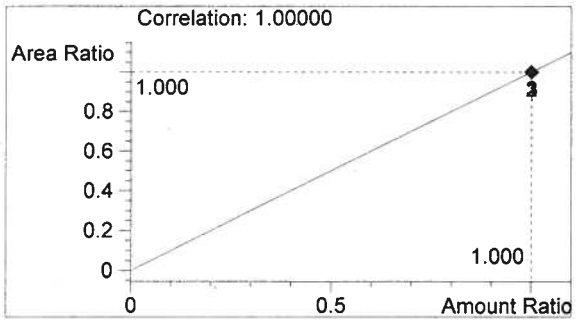



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1520 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

AL
20111213

AL
20111208

Sequence: C:\HPCHEM\2\SEQUENCE\SSEXTSTD.S

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\2\DATA\ |
| Data Subdirectory: | 111208SS |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
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 | 0.079 Calibrator - Lot # E1111-01 - exp 2/10/12 |
| 3 | Vial 3 | 0.158 Calibrator - Lot # E1111-02 - exp 2/10/12 |
| 4 | Vial 4 | 0.316 Calibrator - Lot # E1111-03 - exp 2/10/12 |
| 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 | |

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Sequence: C:\HPCHEM\2\SEQUENCE\SSEXTSTD.S

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK-SS | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL-SS | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

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## Calibration Table

Calib. Data Modified : Thursday, December 08, 2011 11:20:47 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.065 | 1 | 1 | 7.86300e-2 | 515.80975 | 1.52440e-4 | 1 | | Ethanol |
| | | 2 | 1.55890e-1 | 1130.91357 | 1.37844e-4 | | | |
| | | 3 | 3.12180e-1 | 2017.80994 | 1.54712e-4 | | | |
| 1.825 | 1 | 1 | 1.00000 | 1505.27209 | 6.64332e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1579.40051 | 6.33152e-4 | | | |
| | | 3 | 1.00000 | 1457.94971 | 6.85895e-4 | | | |

## Peak Sum Table

***No Entries in table***

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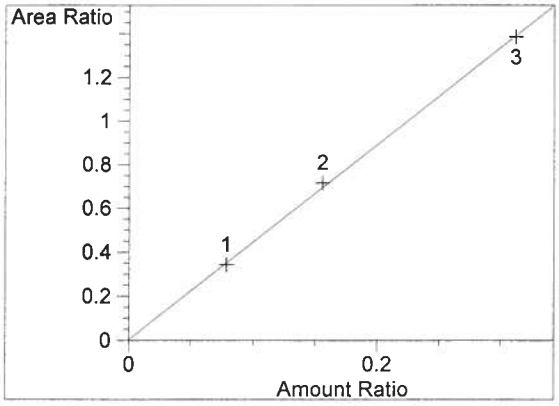
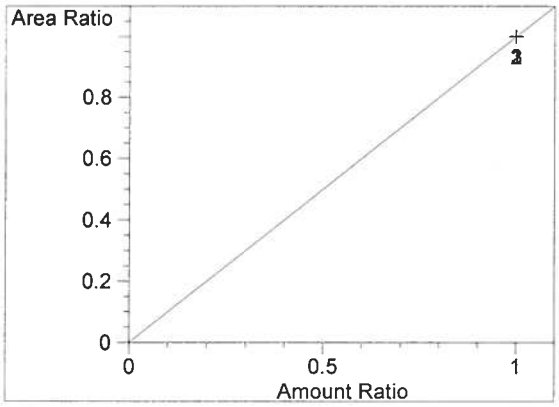
Calibration Curves

==========




Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99974
Residual Std. Dev.: 0.01663
Formula: y = mx + b
m: 4.44882
b: 2.63621e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

11054

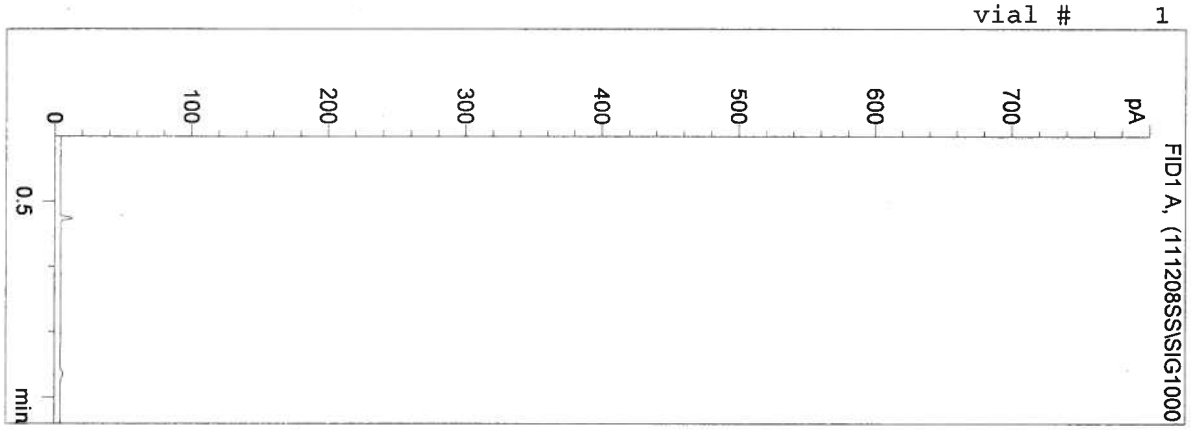
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:09:13 AM
Instrument 3
DB-ALC2

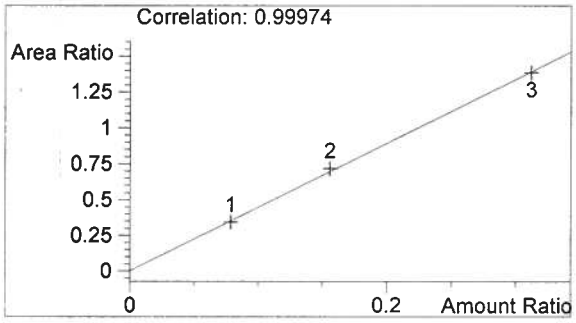
BLANK-SS
Sarah Swenson

vial # 1

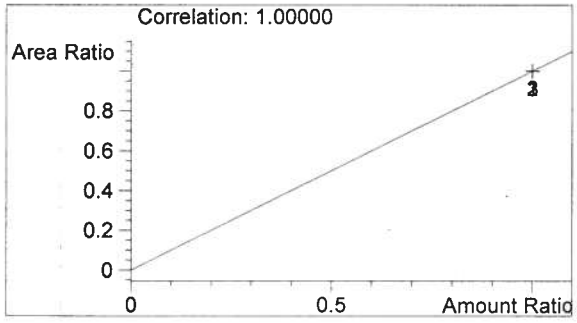



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

11054

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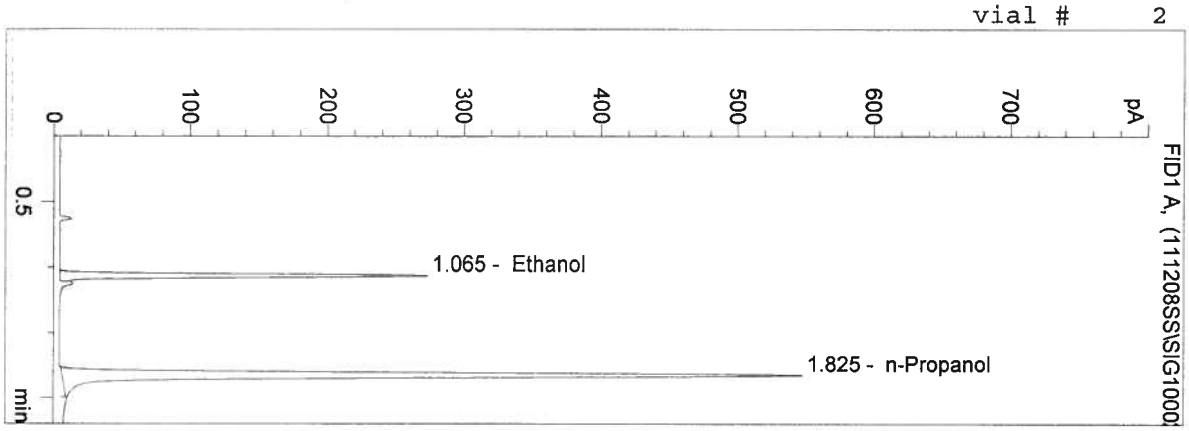
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:12:21 AM
Instrument 3
DB-ALC2

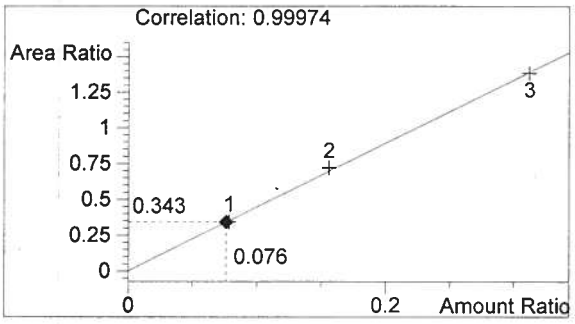
0.079 CAL 1
Sarah Swenson

vial # 2

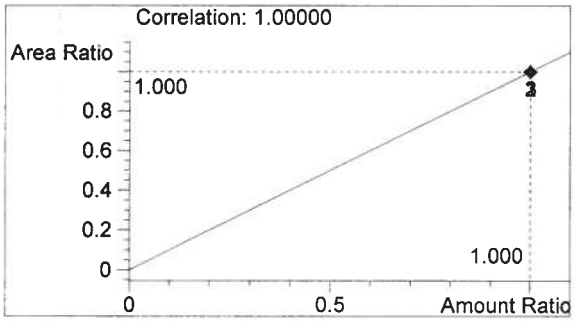



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 516 | 1.065 |
| 2 | n-Propanol | 1505 | 1.825 |

Totals:




Ethanol 0.076 g/100ml




n-Propanol 1.000 g/100ml

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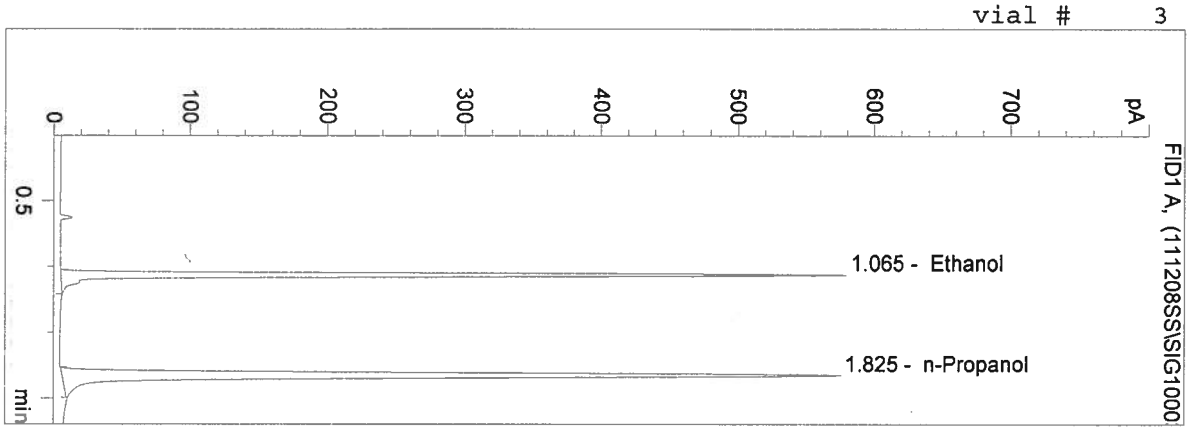
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:15:28 AM
Instrument 3
DB-ALC2

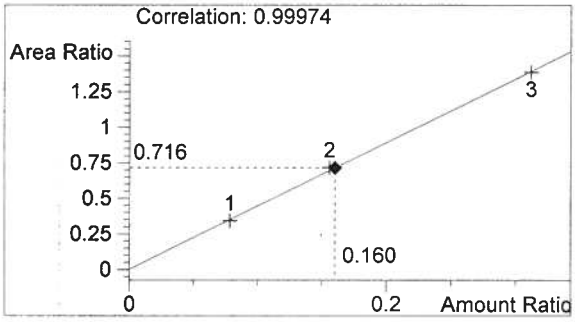
0.158 CAL 2
Sarah Swenson

vial # 3

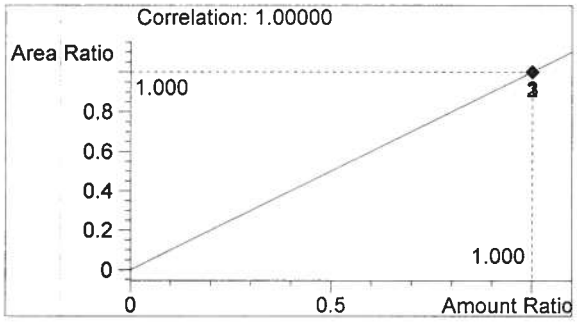



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1131 | 1.065 |
| 2 | n-Propanol | 1579 | 1.825 |

Totals:




Ethanol 0.160 g/100ml




n-Propanol 1.000 g/100ml

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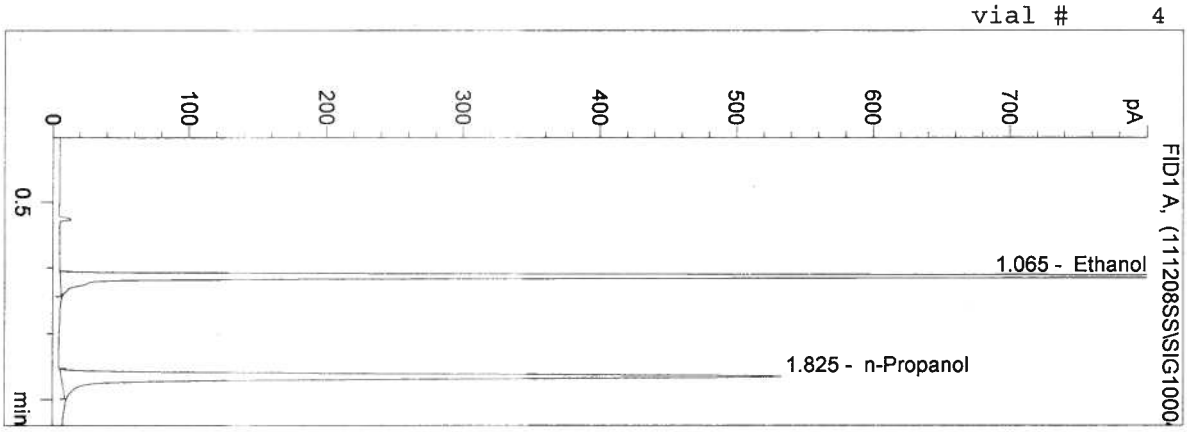
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:18:35 AM
Instrument 3
DB-ALC2

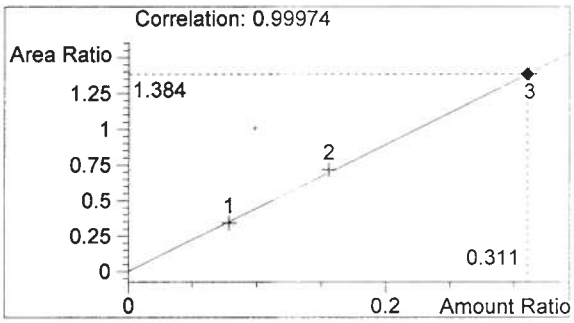
0.316 CAL 3
Sarah Swenson

vial # 4

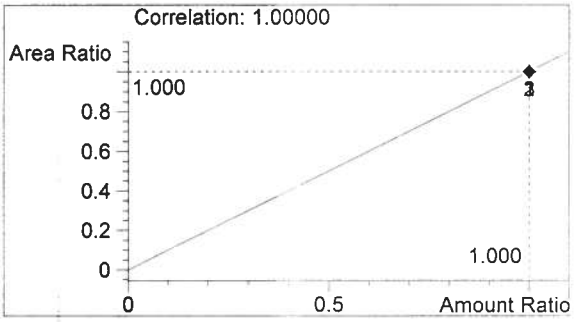



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2018 | 1.065 |
| 2 | n-Propanol | 1458 | 1.825 |

Totals:




Ethanol 0.311 g/100ml




n-Propanol 1.000 g/100ml

11054

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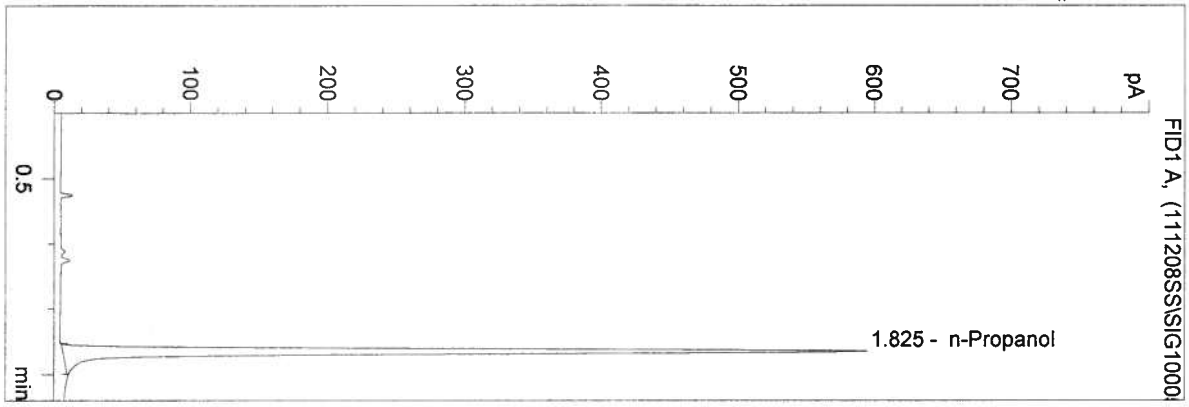
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:21:42 AM
Instrument 3
DB-ALC2

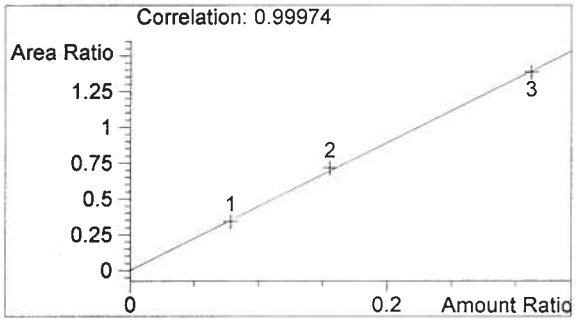
NEG CTRL-SS
Sarah Swenson

vial # 5

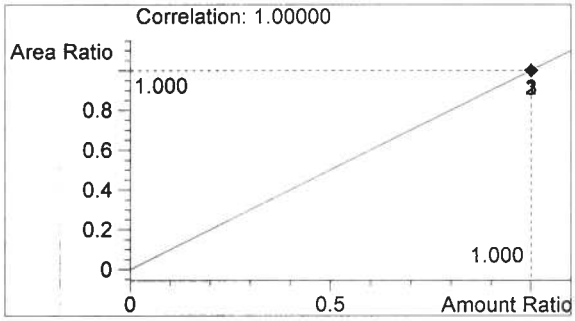



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1627 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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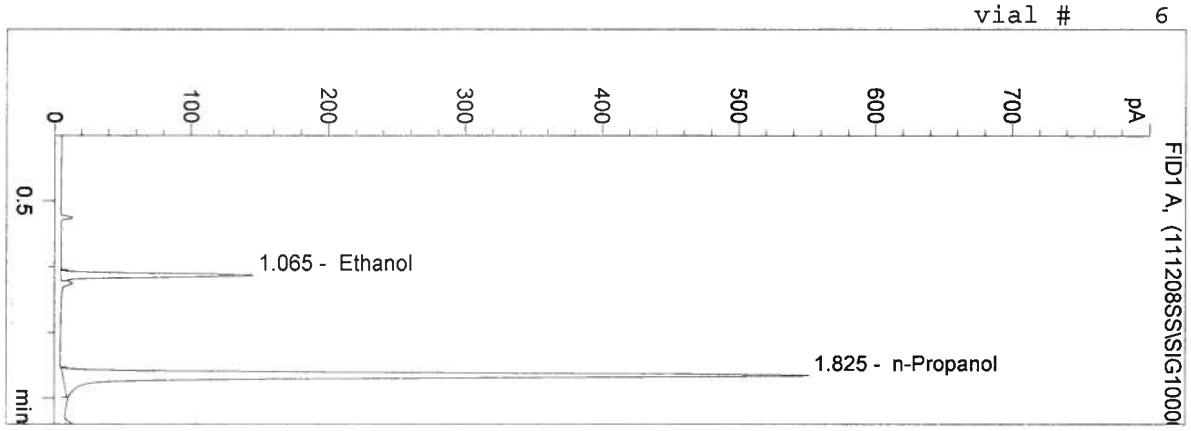
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:24:49 AM
Instrument 3
DB-ALC2

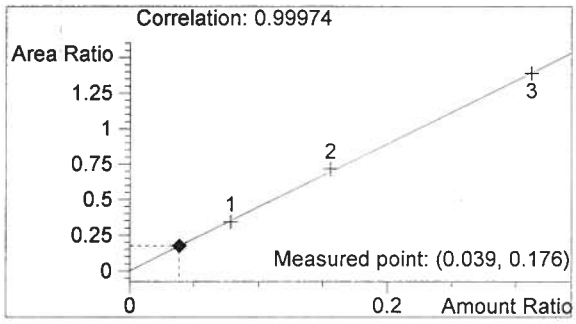
0.04 CTRL-SS
Sarah Swenson

vial # 6

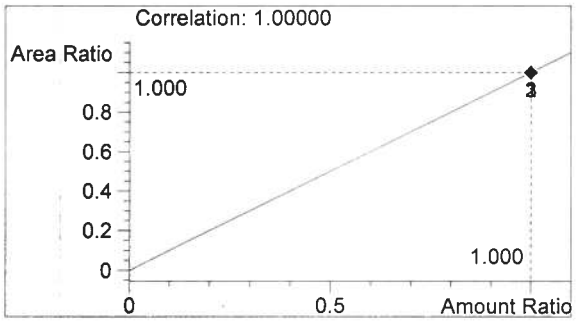



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 266 | 1.065 |
| 2 | n-Propanol | 1511 | 1.825 |

Totals:




Ethanol 0.039 g/100ml




n-Propanol 1.000 g/100ml

: 11054

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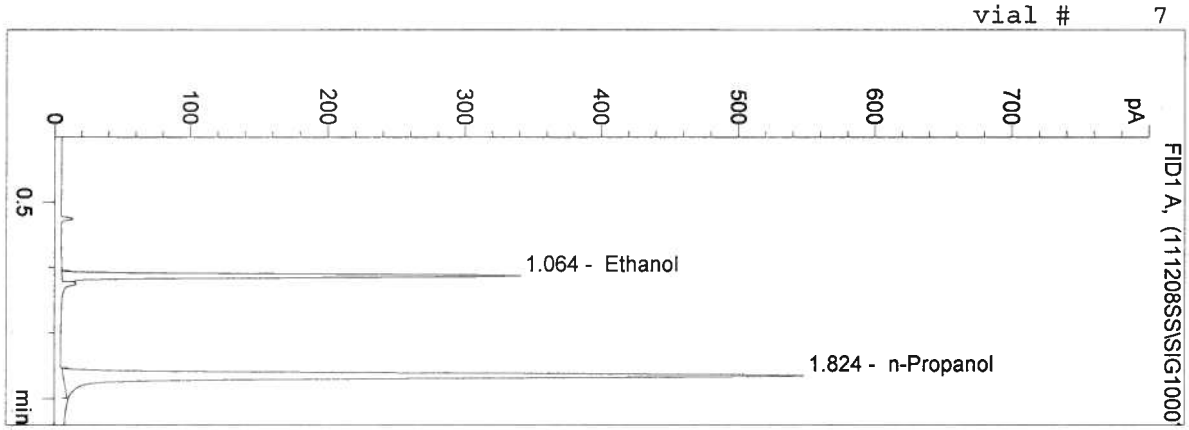
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:27:57 AM
Instrument 3
DB-ALC2

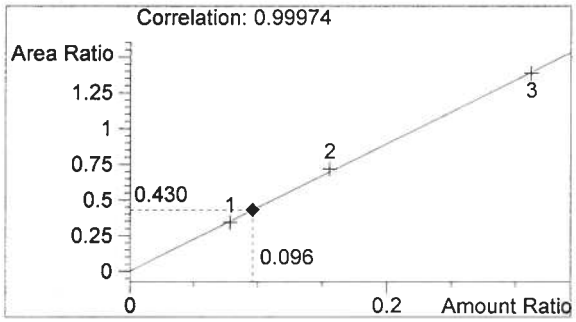
0.10 CTRL-SS
Sarah Swenson

vial # 7

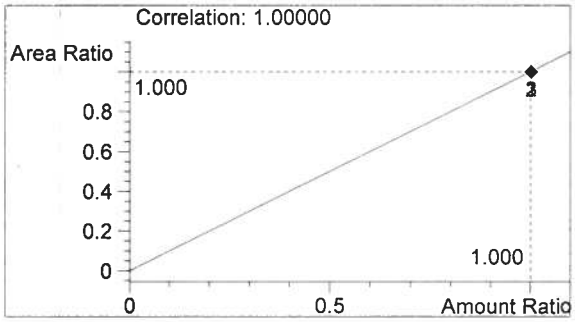



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 647 | 1.064 |
| 2 | n-Propanol | 1505 | 1.824 |

Totals:




Ethanol 0.096 g/100ml




n-Propanol 1.000 g/100ml

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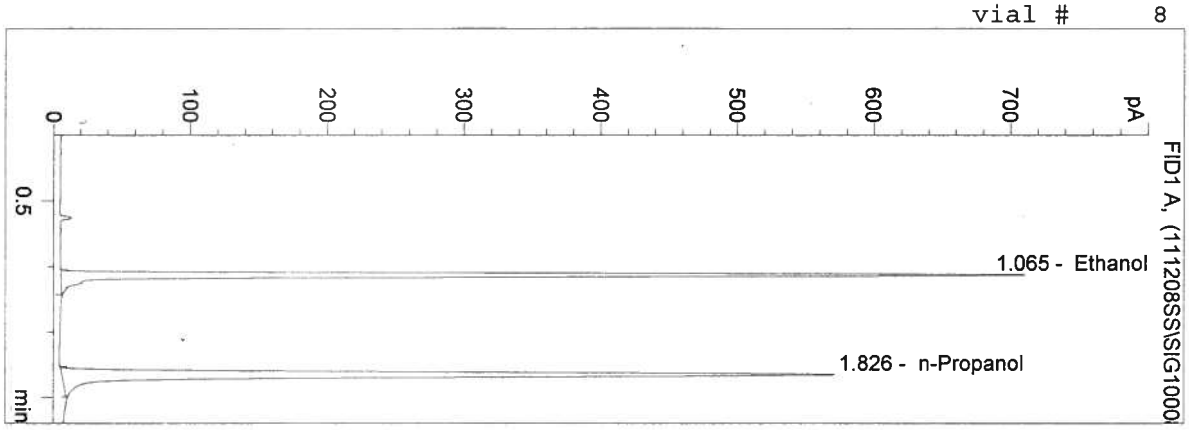
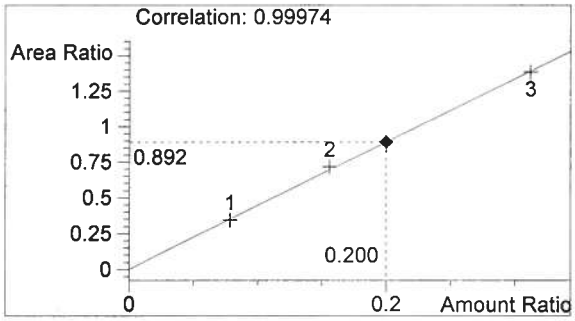
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:31:04 AM
Instrument 3
DB-ALC2

0.20 CTRL-SS
Sarah Swenson

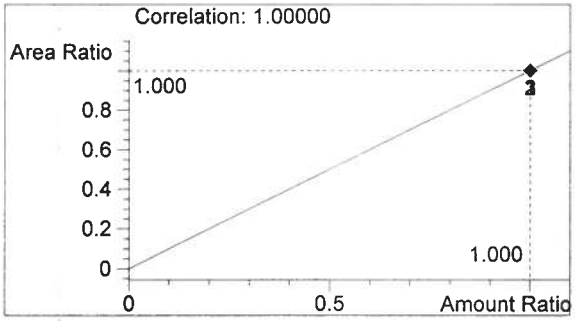
vial # 8




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1406 | 1.065 |
| 2 | n-Propanol | 1577 | 1.826 |
| Totals: | | | |




Ethanol 0.200 g/100ml




n-Propanol 1.000 g/100ml

11054

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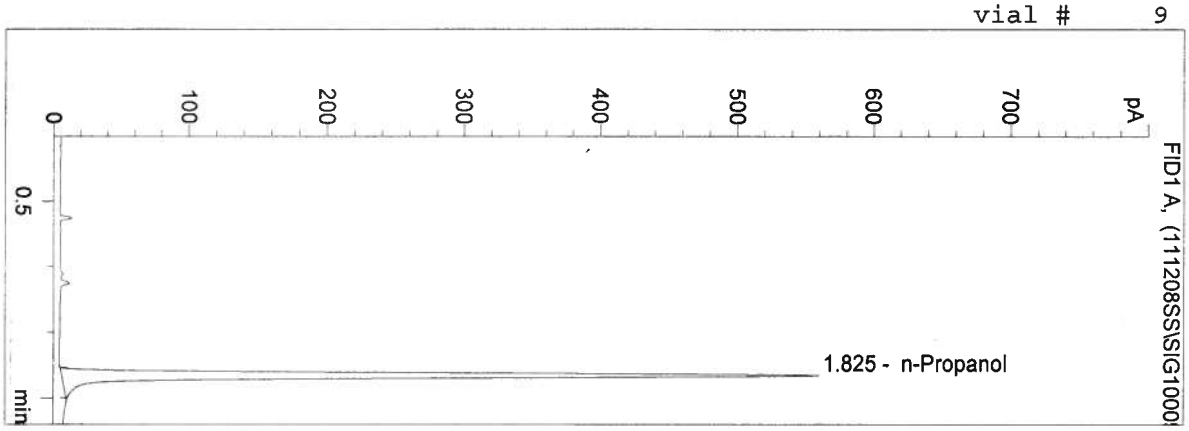
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:34:11 AM
Instrument 3
DB-ALC2

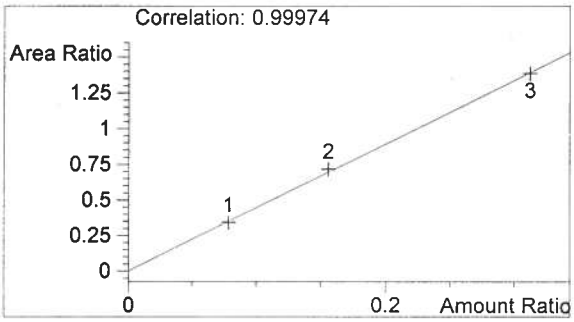
NEG CTRL-SS
Sarah Swenson

vial # 9

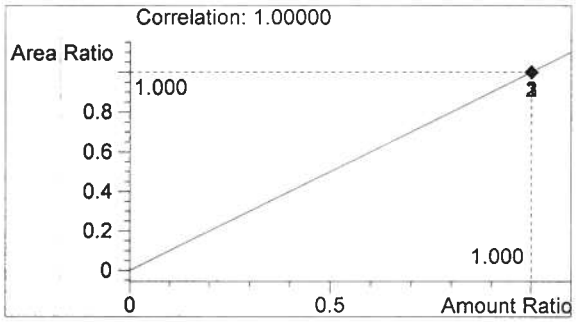



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1539 | 1.825 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

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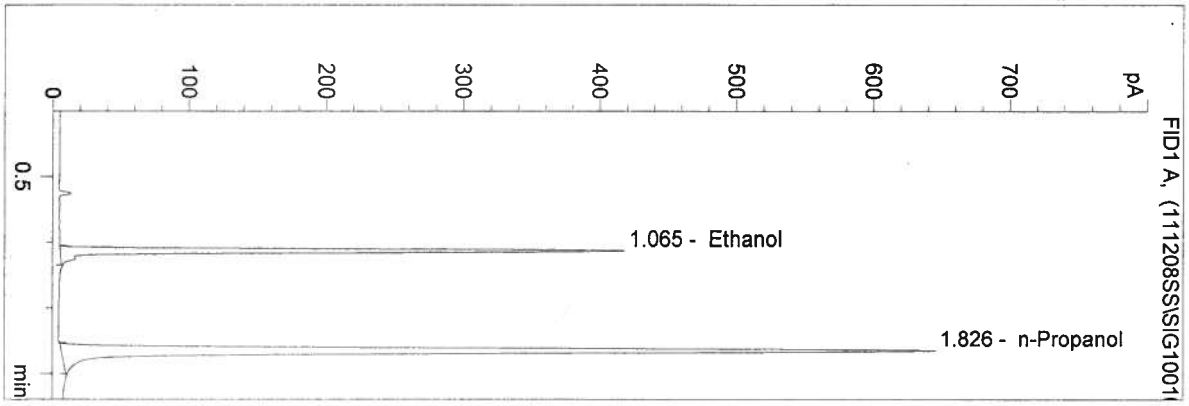
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:37:19 AM
Instrument 3
DB-ALC2

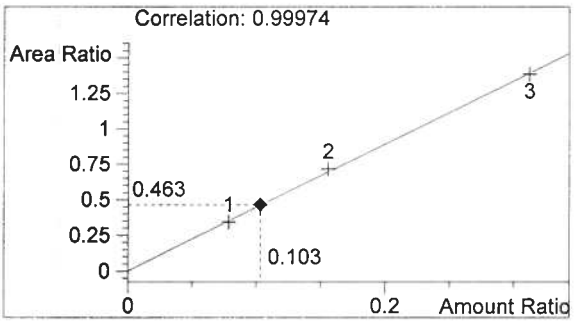
11054 #1
Sarah Swenson

vial # 10

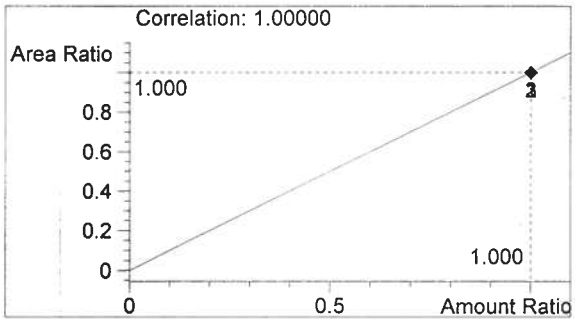



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 823 | 1.065 |
| 2 | n-Propanol | 1778 | 1.826 |

Totals:




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

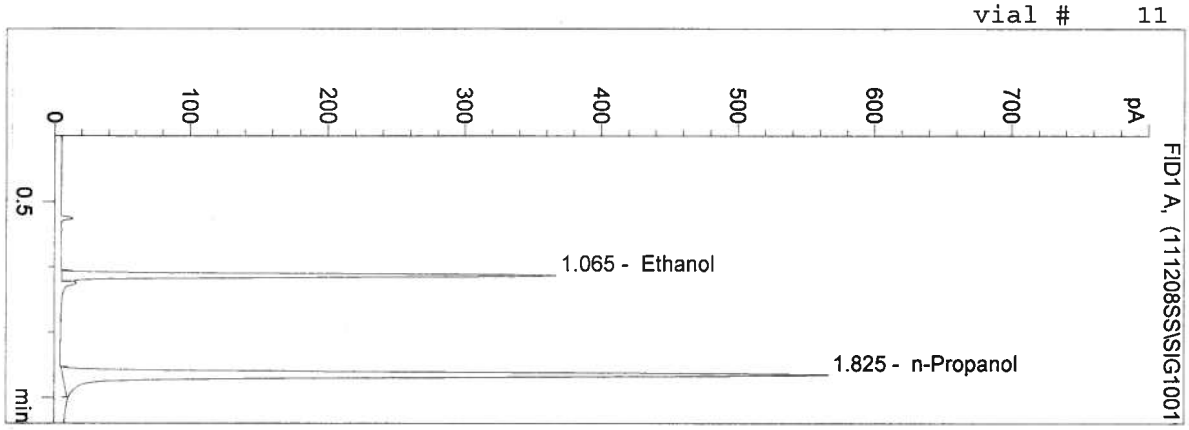
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:40:26 AM
Instrument 3
DB-ALC2

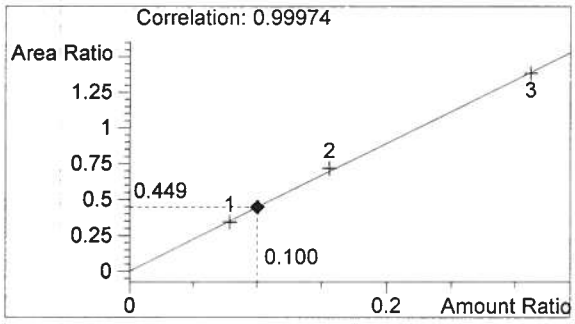
11054 #2
Sarah Swenson

vial # 11

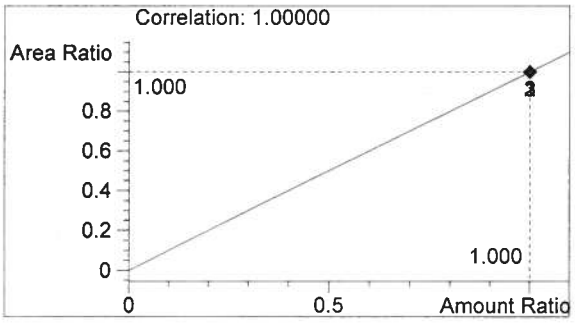



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 700 | 1.065 |
| 2 | n-Propanol | 1561 | 1.825 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

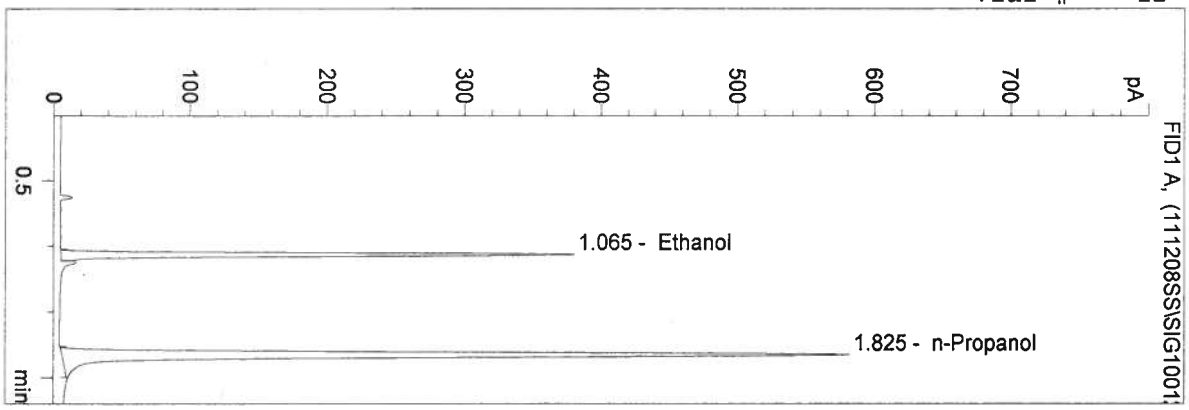
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:43:33 AM
Instrument 3
DB-ALC2

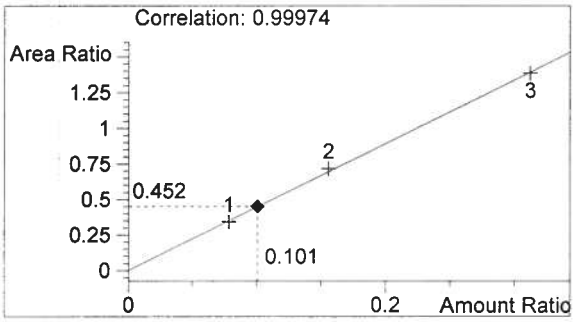
11054 #3
Sarah Swenson

vial # 12

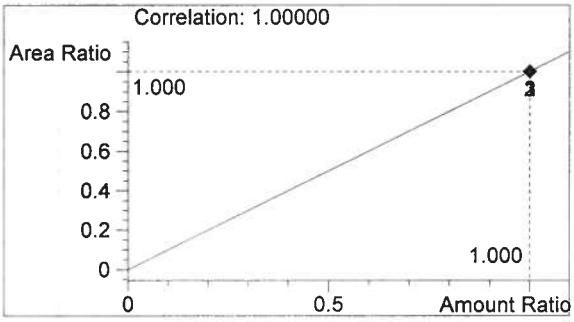



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 724 | 1.065 |
| 2 | n-Propanol | 1602 | 1.825 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

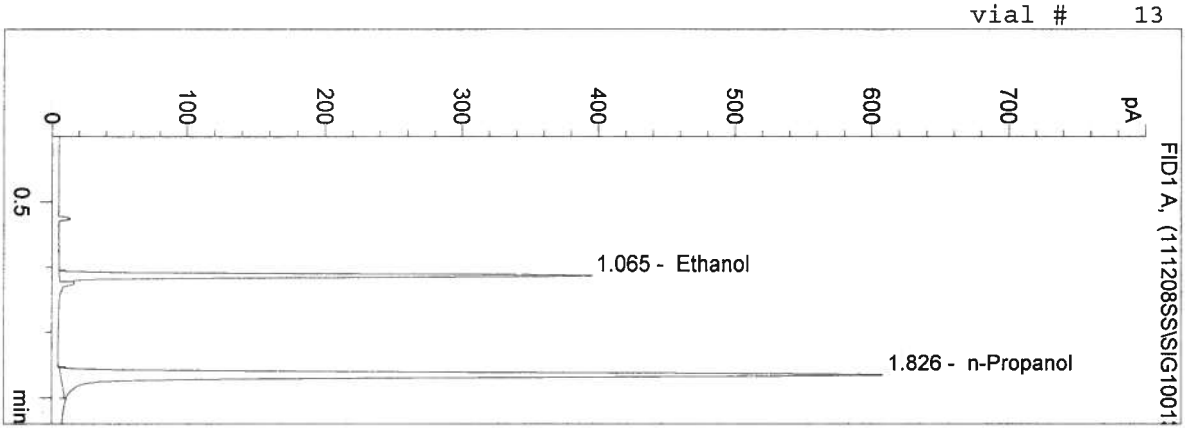
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:46:40 AM
Instrument 3
DB-ALC2

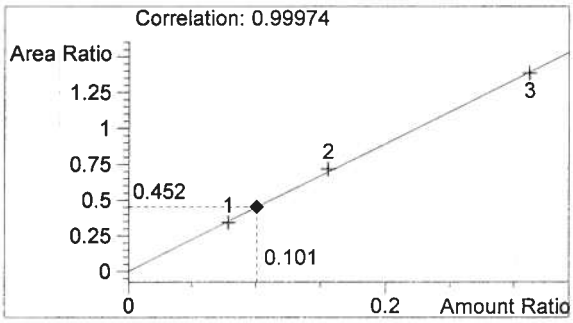
11054 #4
Sarah Swenson

vial # 13

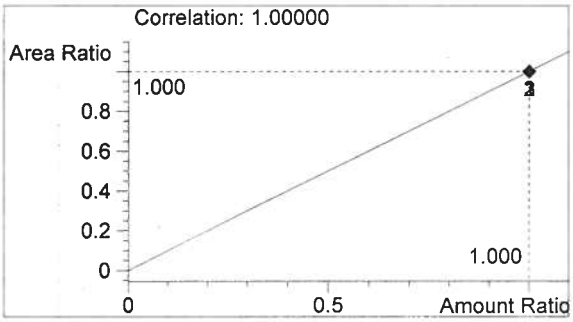



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 758 | 1.065 |
| 2 | n-Propanol | 1678 | 1.826 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

SMS

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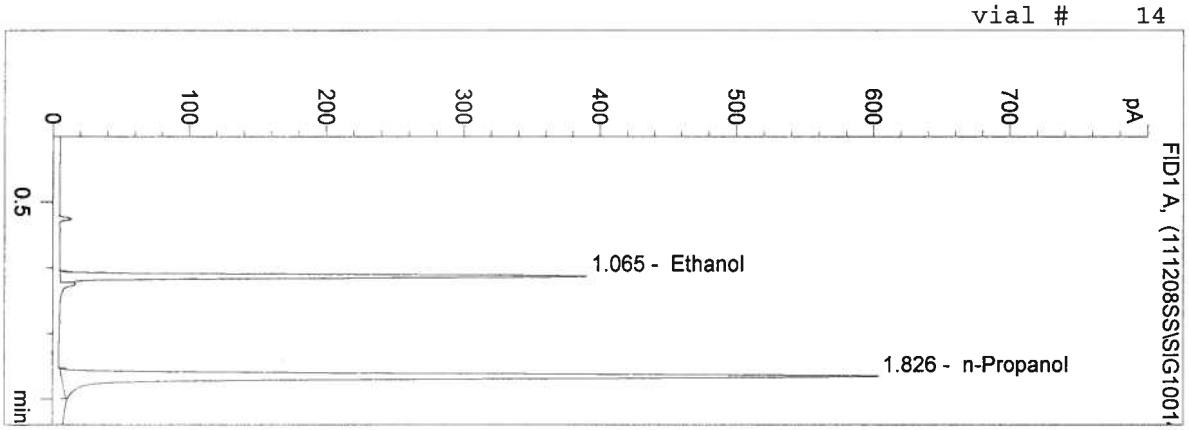
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:49:47 AM
Instrument 3
DB-ALC2

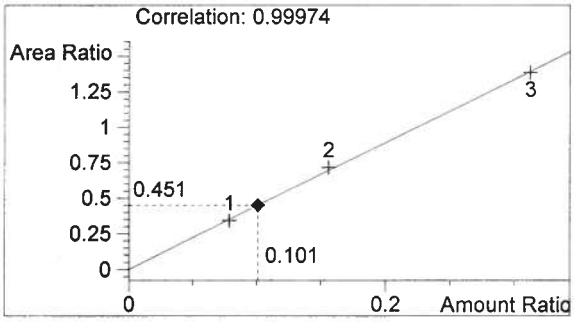
11054 #5
Sarah Swenson

vial # 14

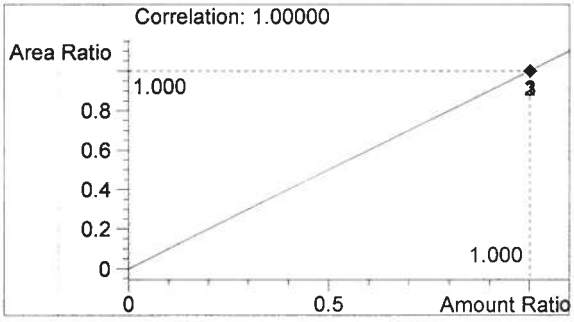



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 751 | 1.065 |
| 2 | n-Propanol | 1664 | 1.826 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

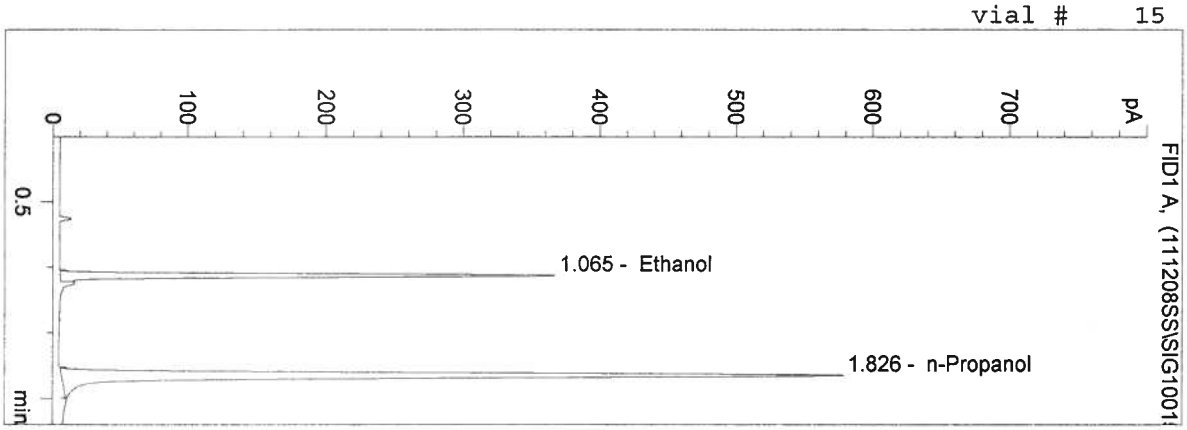
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:52:55 AM
Instrument 3
DB-ALC2

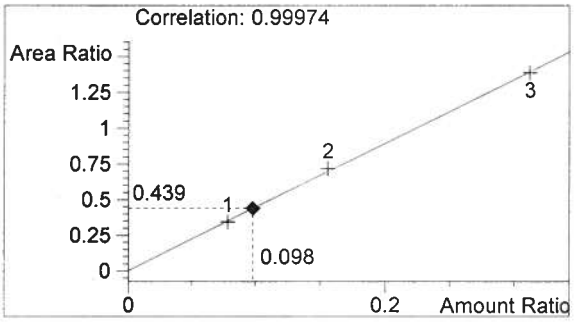
0.10 CTRL-SS
Sarah Swenson

vial # 15

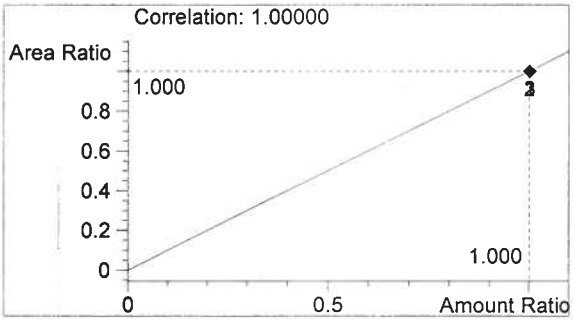



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 699 | 1.065 |
| 2 | n-Propanol | 1593 | 1.826 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

11054

SMS

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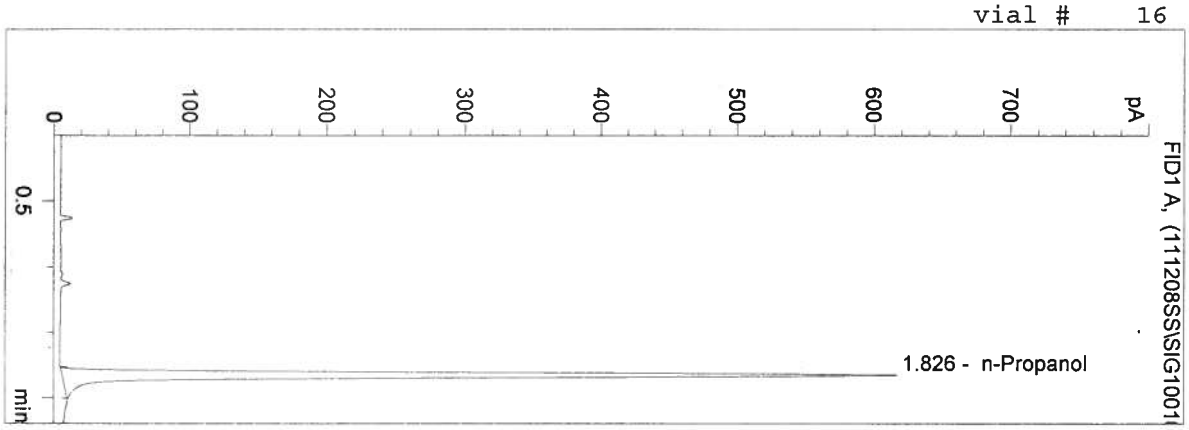
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 11:56:02 AM
Instrument 3
DB-ALC2

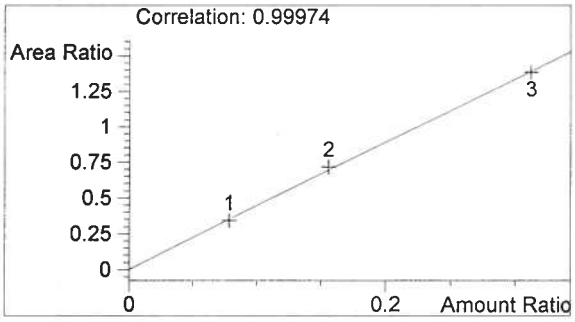
NEG CTRL-SS
Sarah Swenson

vial # 16

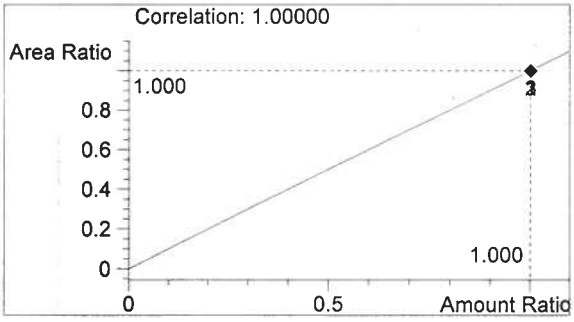



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1702 | 1.826 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

SMS

11054

Sequence Parameters:

| | |
|---|---|
| Operator: | Brianna Peterson |
| Data File Naming: | Prefix/Counter |
| Signal 1 Prefix: | SIG1 |
| Counter: | 0001 |
| Signal 2 Prefix: | SIG2 |
| Counter: | 0001 |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 111208BP |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
0.04 Control Lot#A075264 exp 10/2014
0.10 Control Lot#A075806 exp 11/2014
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 | E1111-01 |
| 3 | Vial 3 | E1111-02 |
| 4 | Vial 4 | E1111-03 |
| 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 | |

11054

BP

Sequence: C:\HPCHEM\2\SEQUENCE\BPEXTSTD.S

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | blank | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL - BP | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

11054

## Calibration Table

Calib. Data Modified : Thursday, December 08, 2011 8:54:48 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.066 | 1 | 1 | 7.86300e-2 | 495.06631 | 1.58827e-4 | 1 | | Ethanol |
| | | 2 | 1.55890e-1 | 1066.68945 | 1.46144e-4 | | | |
| | | 3 | 3.12180e-1 | 2057.18140 | 1.51751e-4 | | | |
| 1.826 | 1 | 1 | 1.00000 | 1449.94543 | 6.89681e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1515.44104 | 6.59874e-4 | | | |
| | | 3 | 1.00000 | 1485.31445 | 6.73258e-4 | | | |

## Peak Sum Table

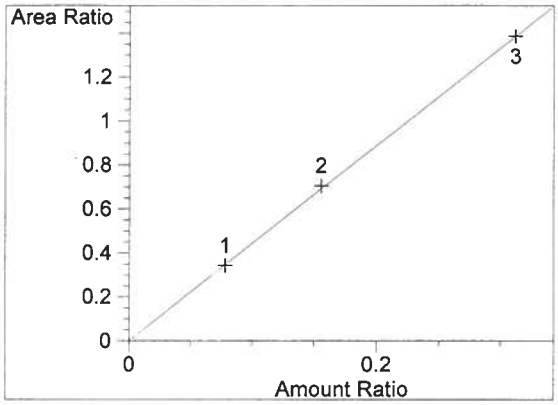
***No Entries in table***

11054

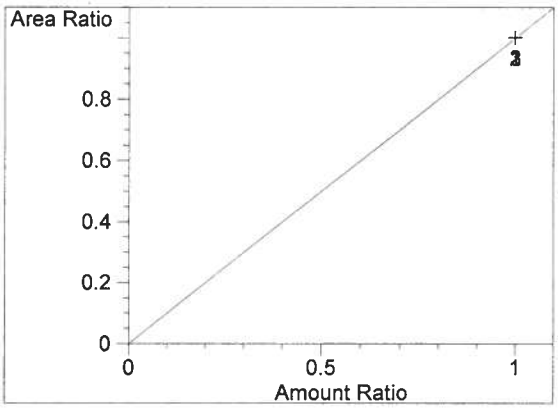
==========

Calibration Curves

==========




Ethanol at exp. RT: 1.066
FID1 A,
Correlation: 0.99991
Residual Std. Dev.: 0.00977
Formula: y = mx + b
m: 4.44910
b: -4.97293e-4
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.826
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

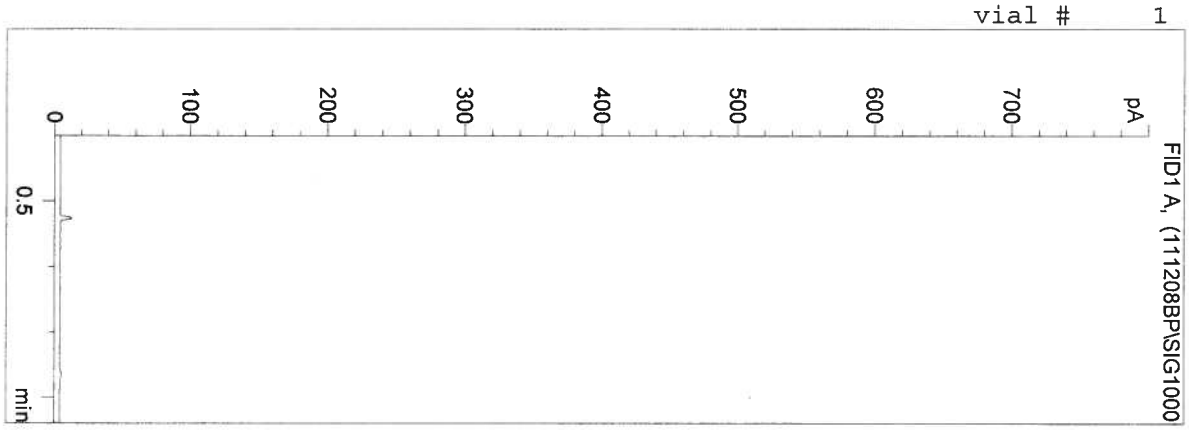
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:43:14 AM
Instrument 3
DB-ALC2

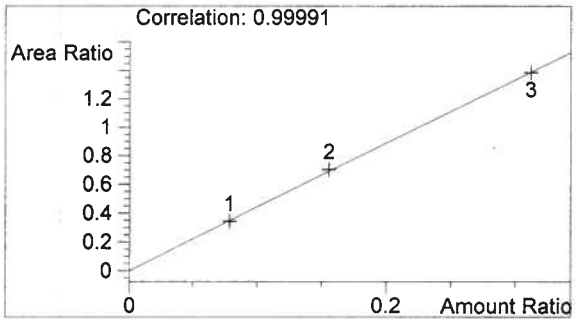
blank
Brianna Peterson

vial # 1

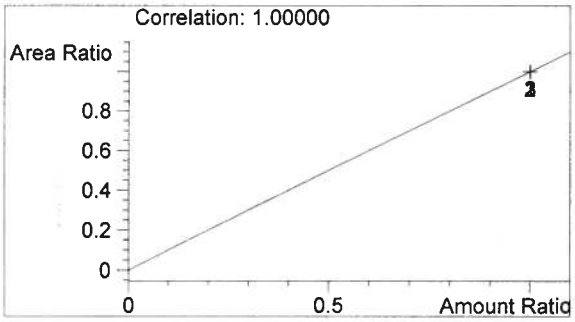



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

11054

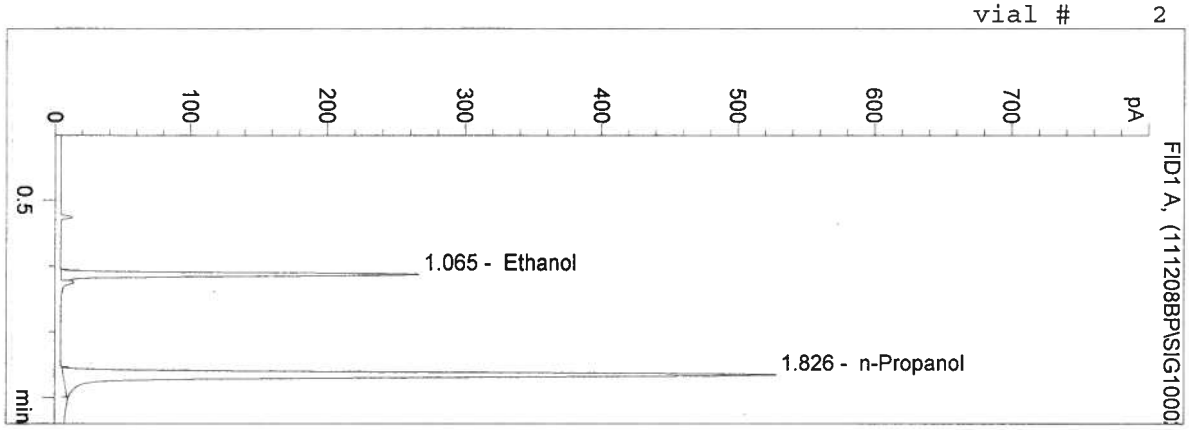
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:46:21 AM
Instrument 3
DB-ALC2

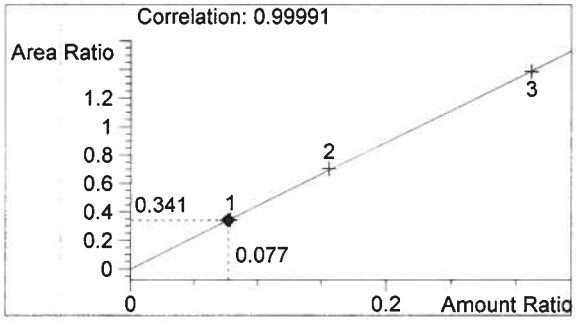
0.079 CAL 1
Brianna Peterson

vial # 2

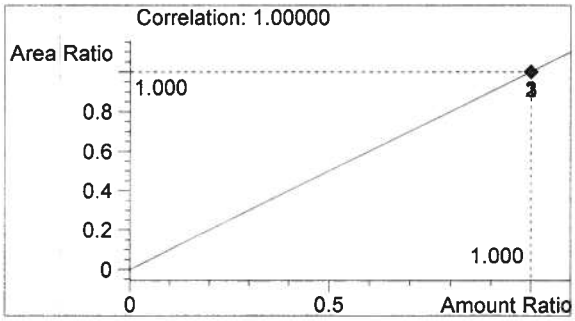



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 495 | 1.065 |
| 2 | n-Propanol | 1450 | 1.826 |

Totals:




Ethanol 0.077 g/100ml




n-Propanol 1.000 g/100ml

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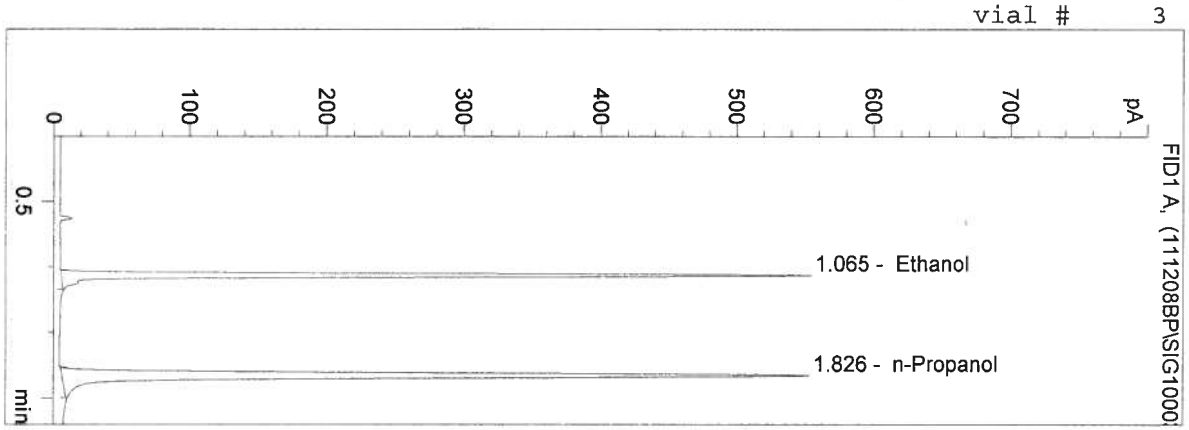
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:49:29 AM
Instrument 3
DB-ALC2

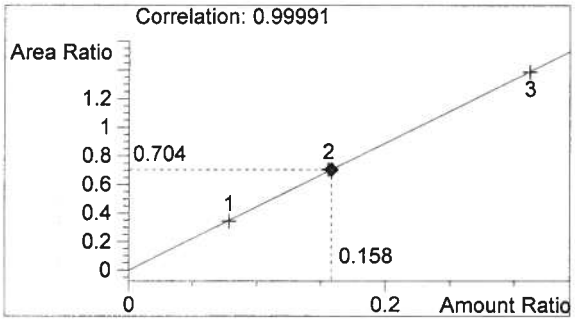
0.158 CAL 2
Brianna Peterson

vial # 3

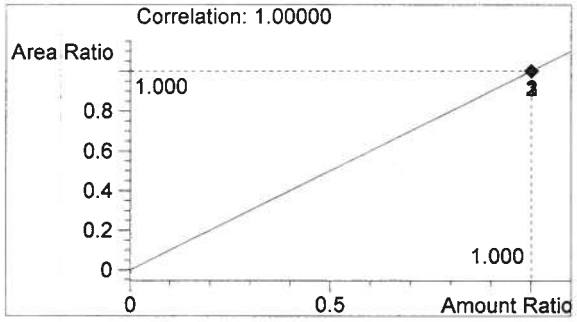



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1067 | 1.065 |
| 2 | n-Propanol | 1515 | 1.826 |

Totals:




Ethanol 0.158 g/100ml




n-Propanol 1.000 g/100ml

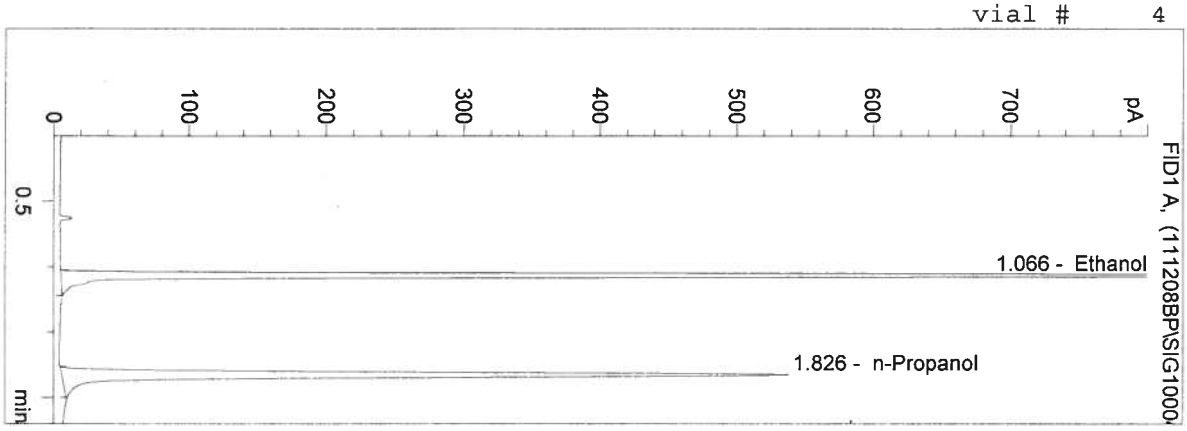
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:52:36 AM
Instrument 3
DB-ALC2

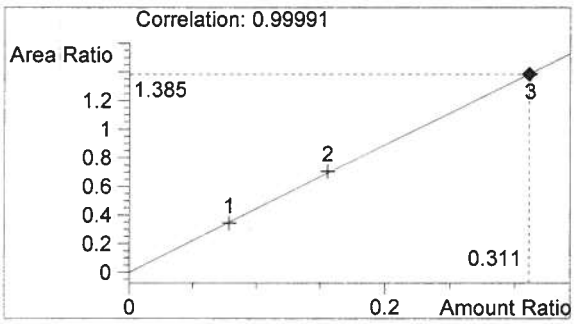
0.316 CAL 3
Brianna Peterson

vial # 4

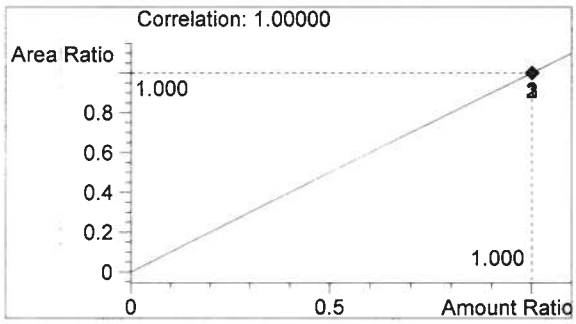



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2057 | 1.066 |
| 2 | n-Propanol | 1485 | 1.826 |

Totals:




Ethanol 0.311 g/100ml




n-Propanol 1.000 g/100ml

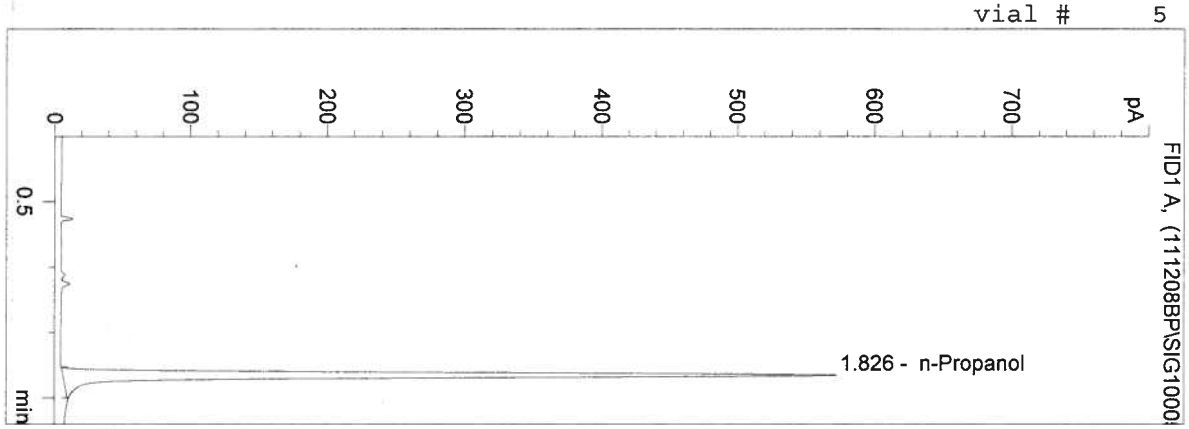
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

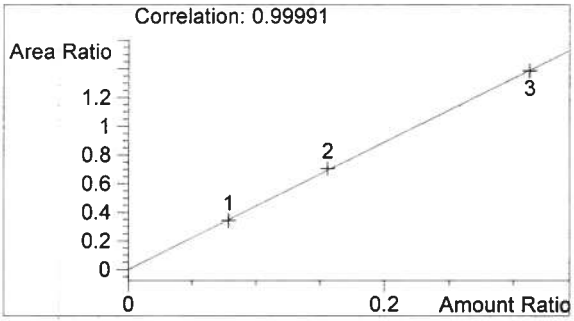
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:55:43 AM
Instrument 3
DB-ALC2

NEG CTRL - BP
Brianna Peterson

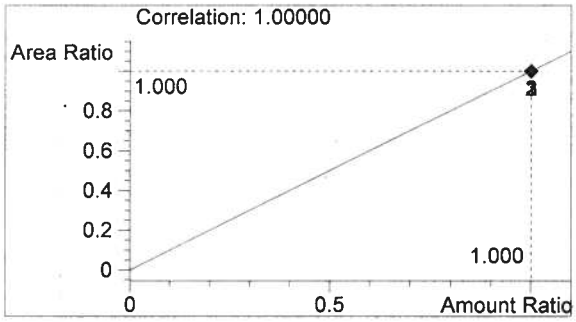
vial # 5




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1574 | 1.826 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

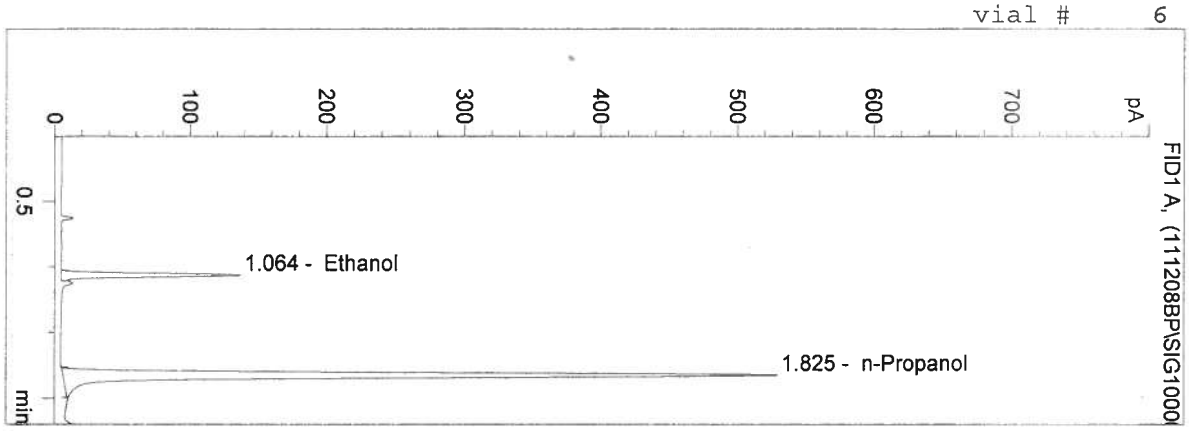
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 8:58:50 AM
Instrument 3
DB-ALC2

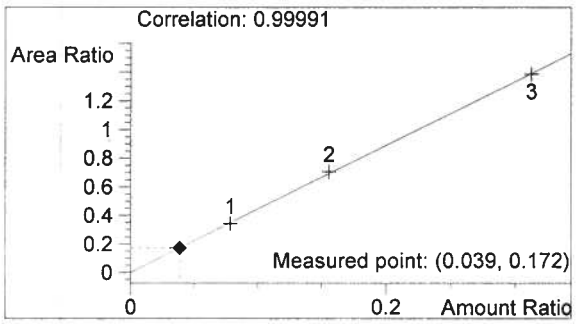
0.04 CTRL - BP
Brianna Peterson

vial # 6

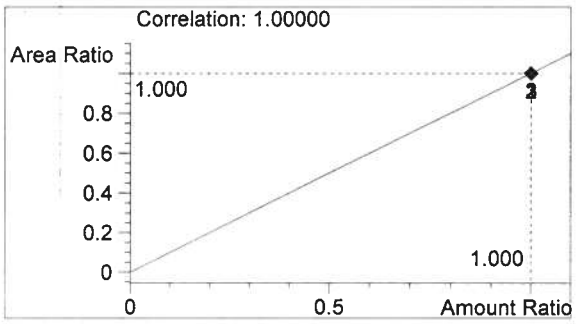



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 249 | 1.064 |
| 2 | n-Propanol | 1449 | 1.825 |

Totals:




Ethanol 0.039 g/100ml




n-Propanol 1.000 g/100ml

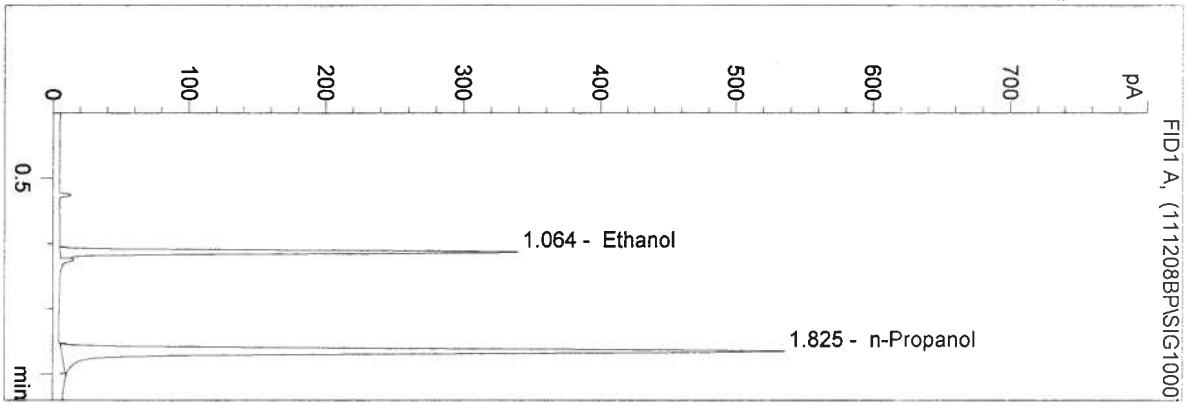
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:01:57 AM
Instrument 3
DB-ALC2

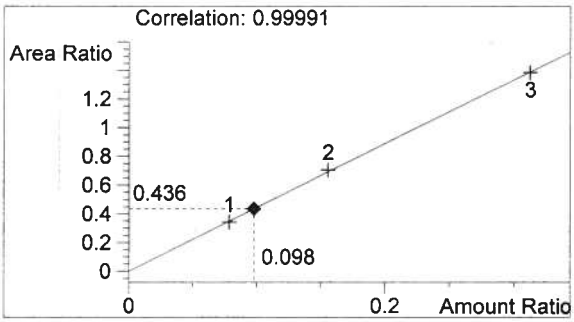
0.10 CTRL - BP
Brianna Peterson

vial # 7

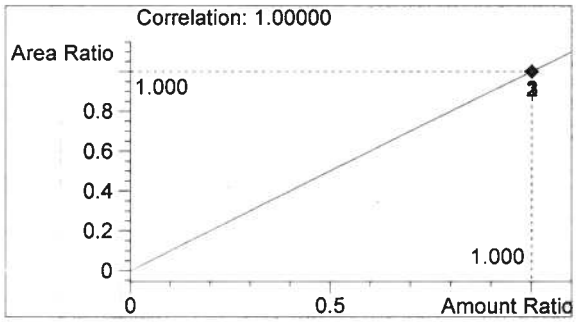



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 640 | 1.064 |
| 2 | n-Propanol | 1470 | 1.825 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

11054

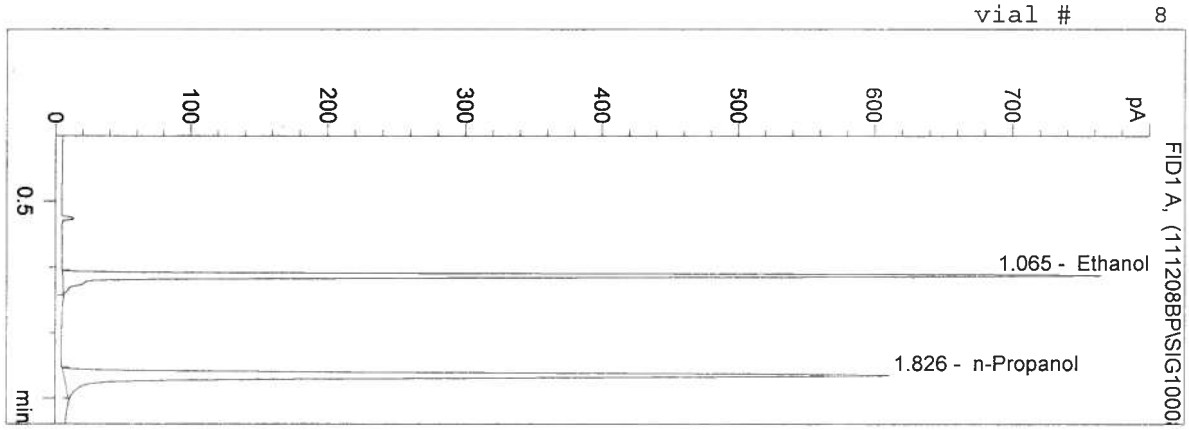
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:05:04 AM
Instrument 3
DB-ALC2

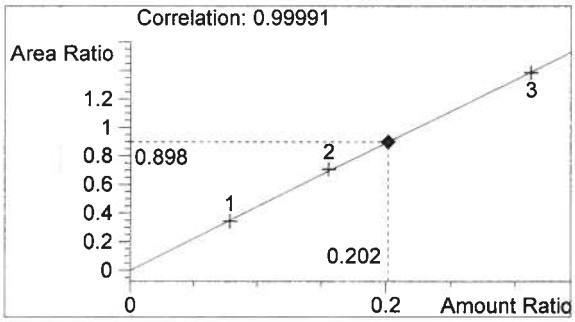
0.20 CTRL - BP
Brianna Peterson

vial # 8

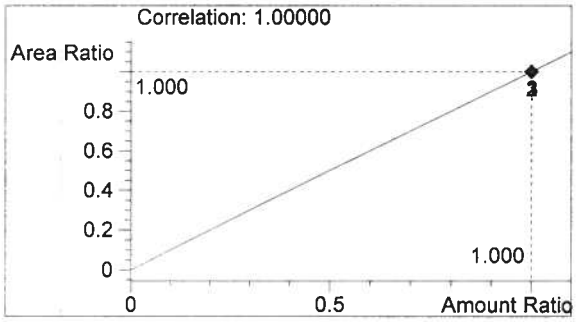



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1510 | 1.065 |
| 2 | n-Propanol | 1682 | 1.826 |

Totals:




Ethanol 0.202 g/100ml




n-Propanol 1.000 g/100ml

11054

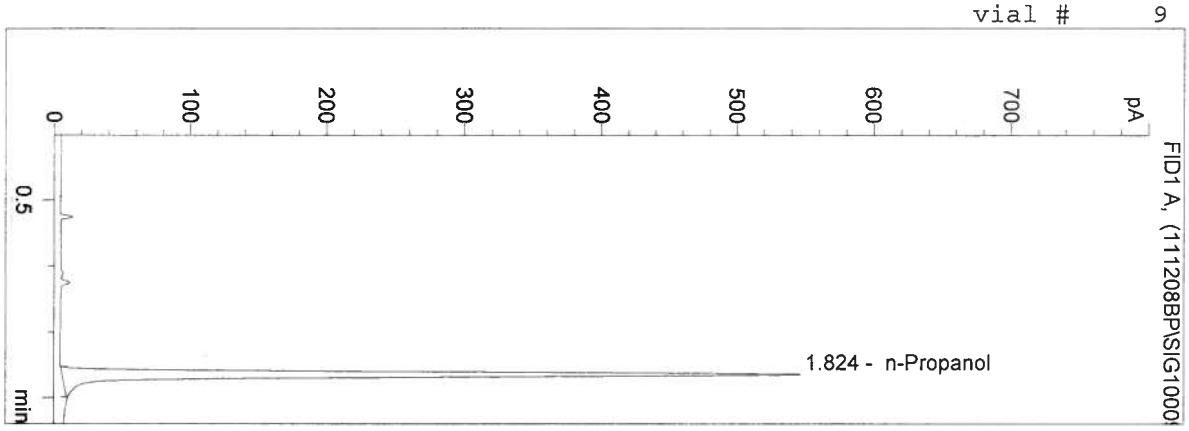
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

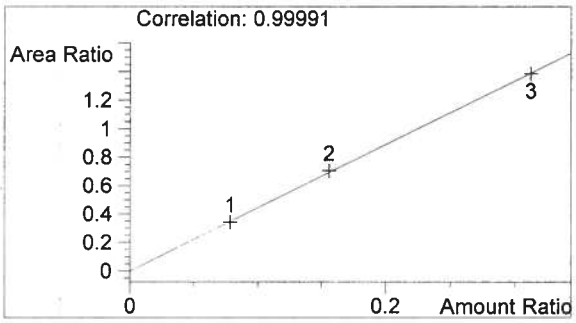
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:08:12 AM
Instrument 3
DB-ALC2

NEG CTRL - BP
Brianna Peterson

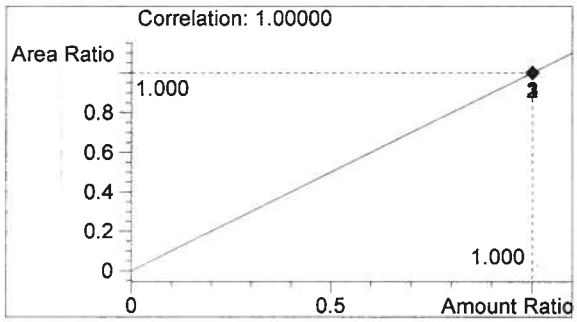
vial # 9




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1508 | 1.824 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

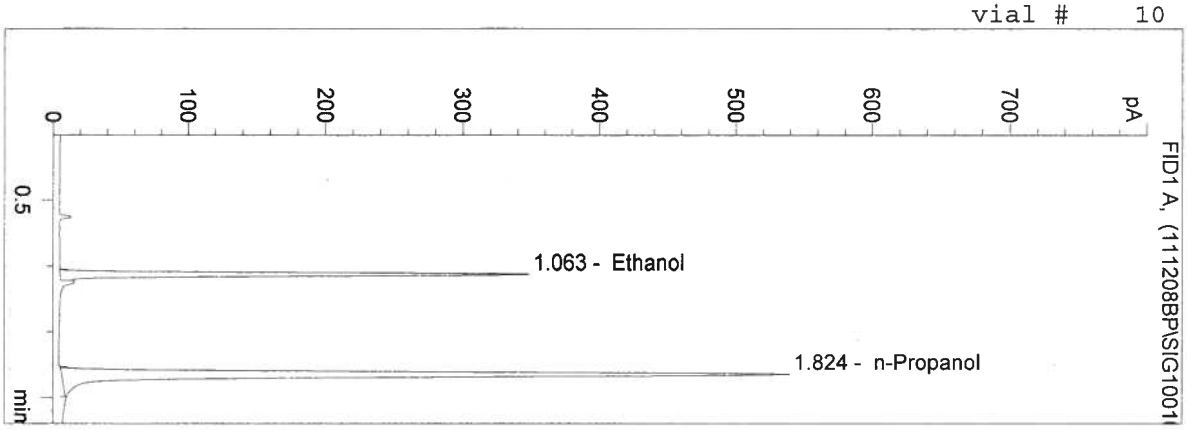
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:11:19 AM
Instrument 3
DB-ALC2

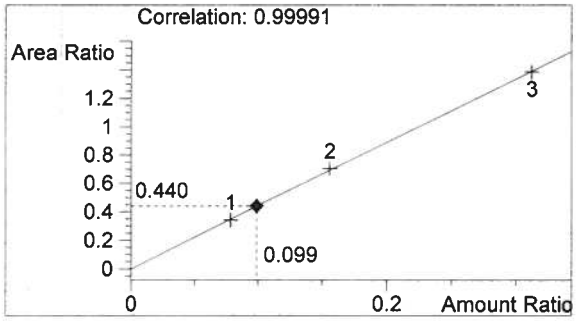
11054 #1
Brianna Peterson

vial # 10

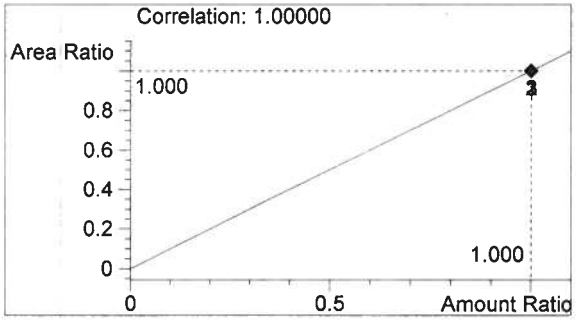



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 649 | 1.063 |
| 2 | n-Propanol | 1475 | 1.824 |

Totals:




Ethanol 0.099 g/100ml



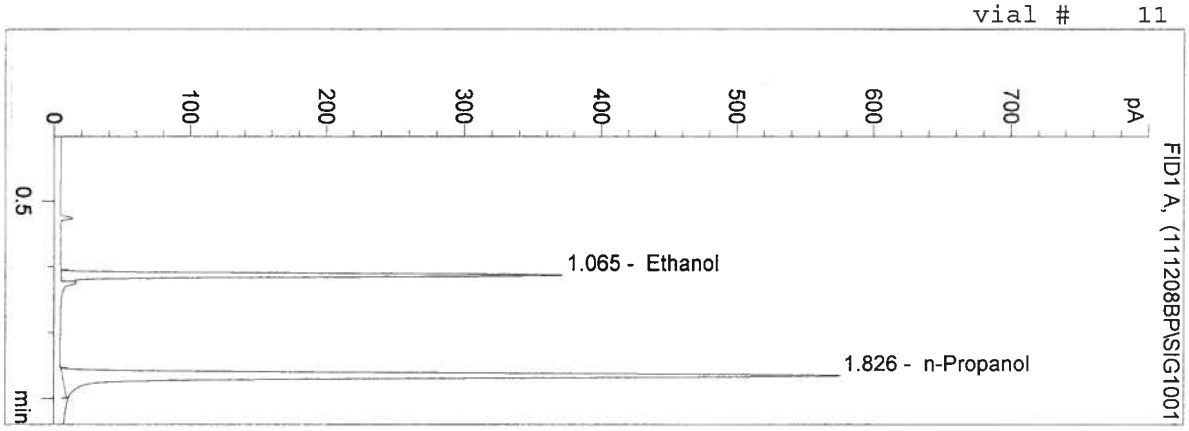

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

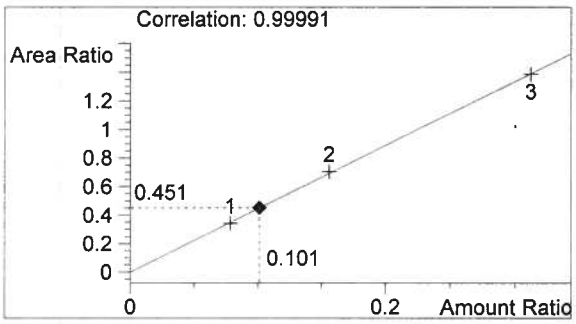
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:14:26 AM
Instrument 3
DB-ALC2

11054 #2
Brianna Peterson

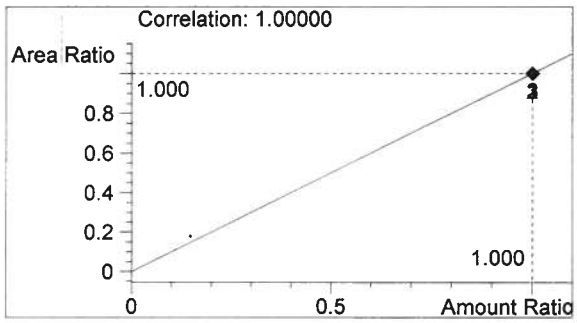
vial # 11




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 717 | 1.065 |
| 2 | n-Propanol | 1590 | 1.826 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

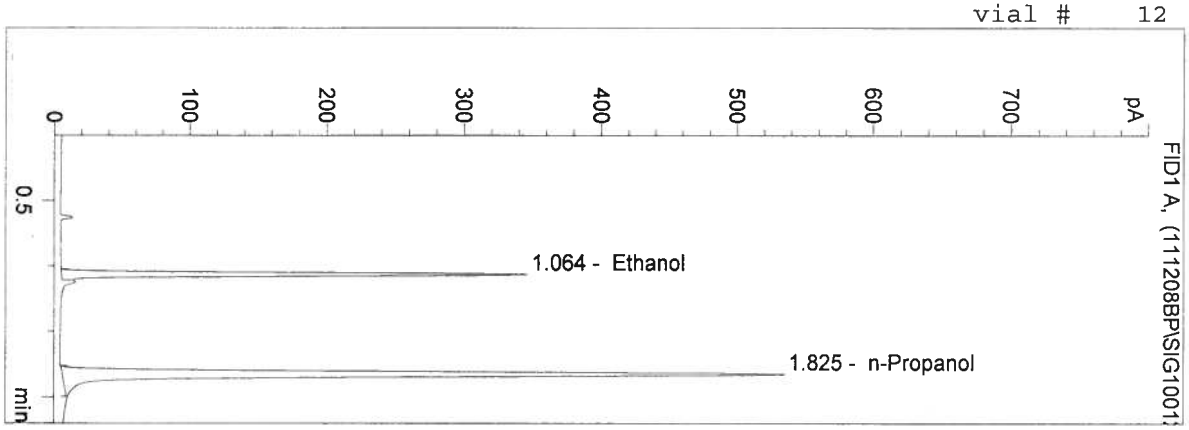
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:17:34 AM
Instrument 3
DB-ALC2

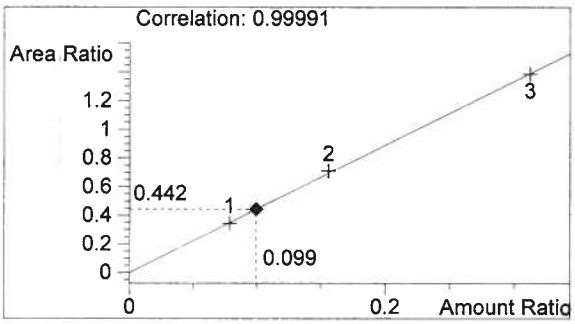
11054 #3
Brianna Peterson

vial # 12

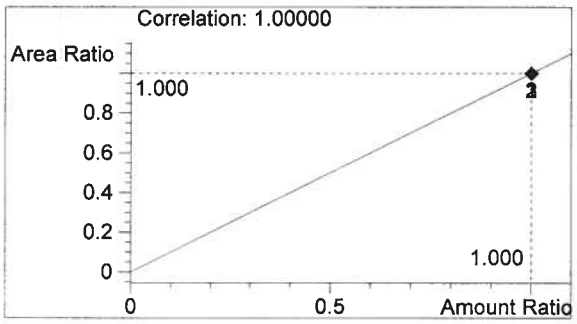



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 648 | 1.064 |
| 2 | n-Propanol | 1466 | 1.825 |

Totals:




Ethanol 0.099 g/100ml



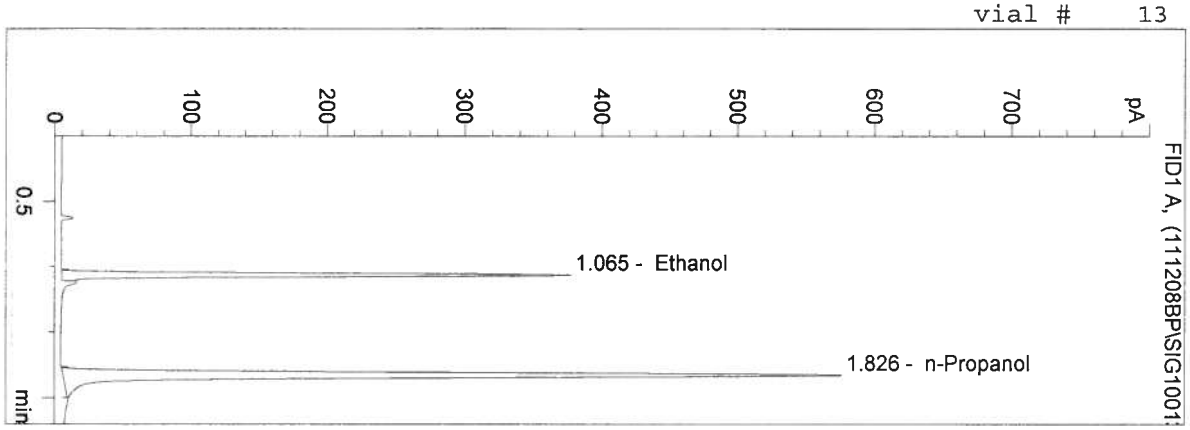

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

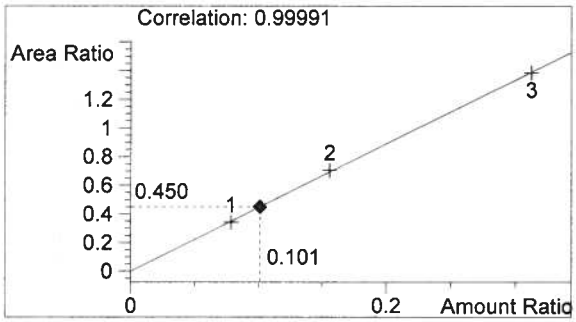
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:20:41 AM
Instrument 3
DB-ALC2

11054 #4
Brianna Peterson

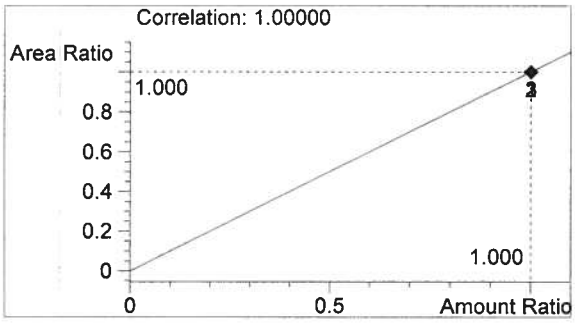
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 713 | 1.065 |
| 2 | n-Propanol | 1584 | 1.826 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

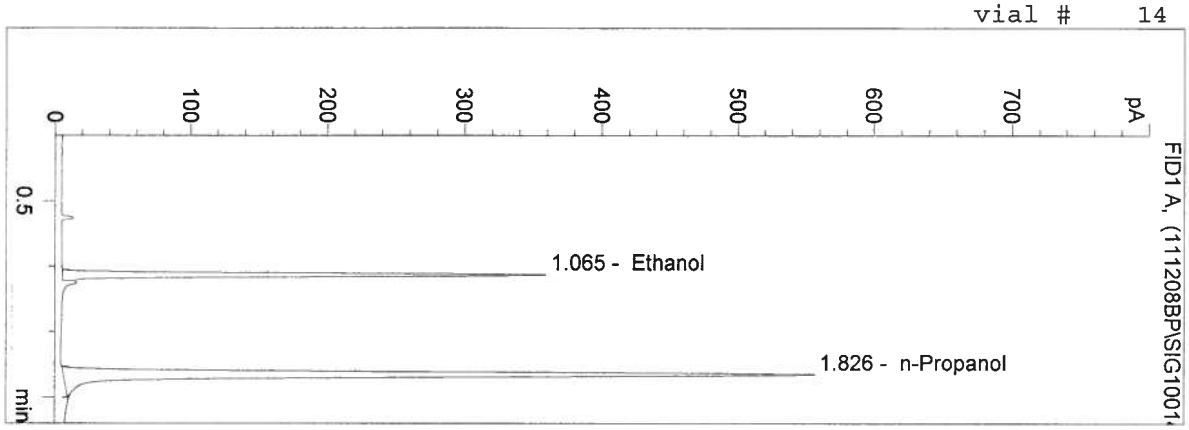
BG

WASHINGTON STATE TOXICOLOGY LABORATORY

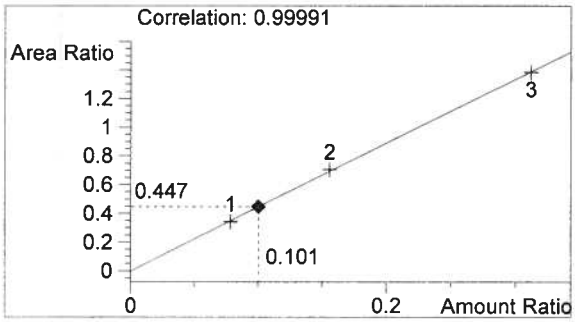
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:23:48 AM
Instrument 3
DB-ALC2

11054 #5
Brianna Peterson

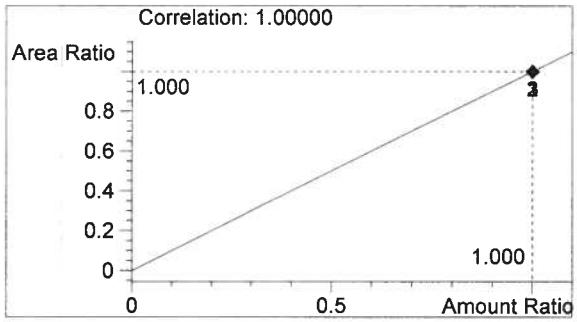
vial # 14




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 687 | 1.065 |
| 2 | n-Propanol | 1536 | 1.826 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

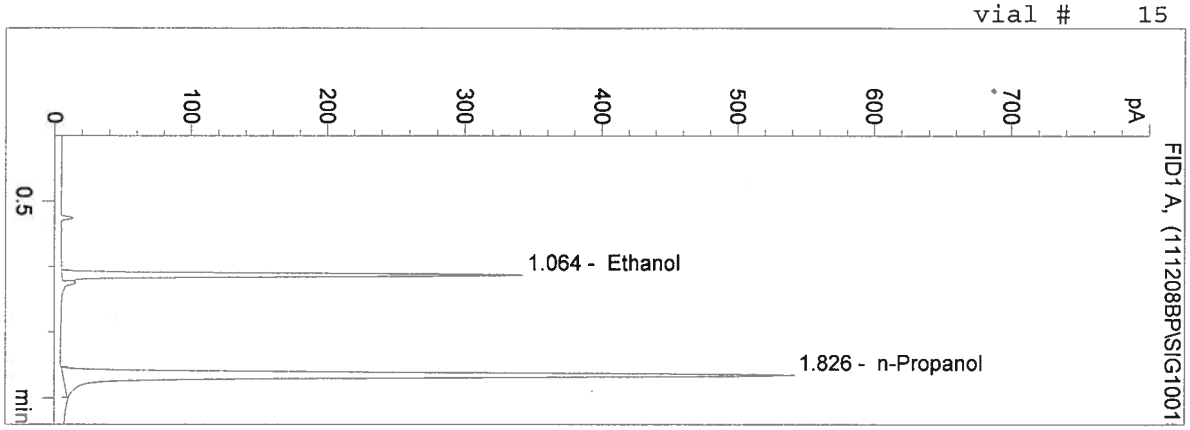
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

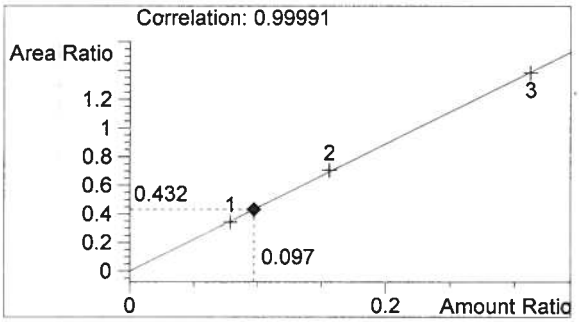
C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:26:55 AM
Instrument 3
DB-ALC2

0.10 CTRL - BP
Brianna Peterson

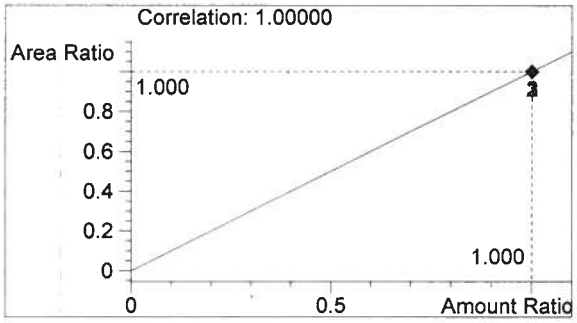
vial # 15




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 640 | 1.064 |
| 2 | n-Propanol | 1484 | 1.826 |
| Totals: | | | |




Ethanol 0.097 g/100ml




n-Propanol 1.000 g/100ml

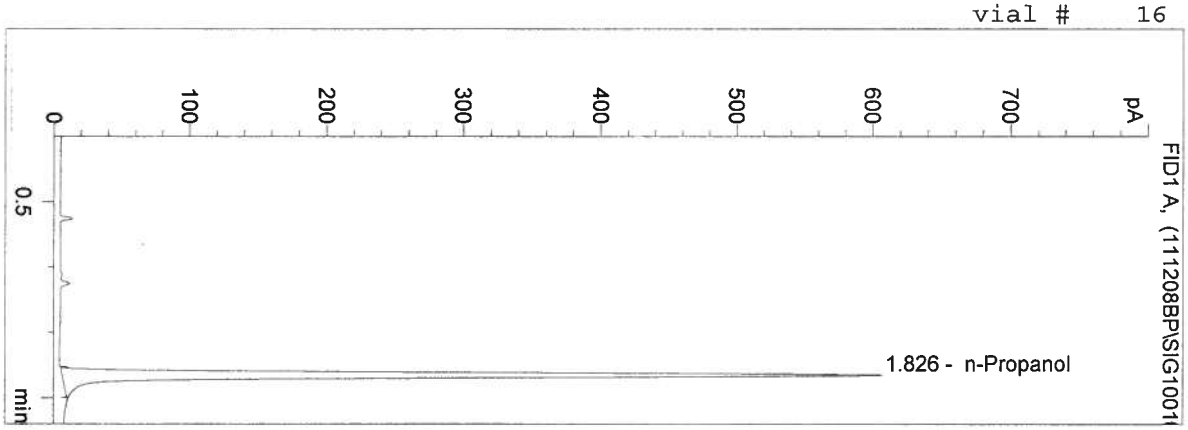
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/8/2011 9:30:03 AM
Instrument 3
DB-ALC2

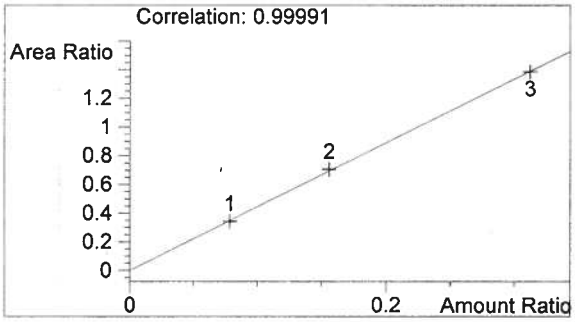
NEG CTRL - BP
Brianna Peterson

vial # 16

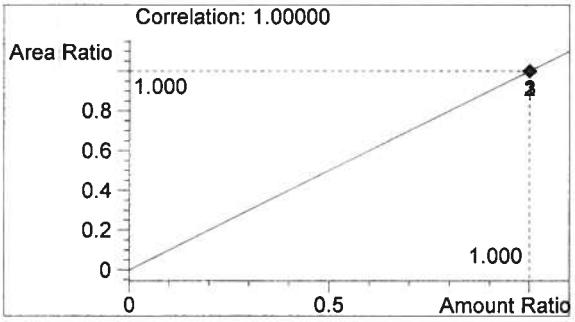



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1678 | 1.826 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

BS

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\2\DATA\ |
| Data Subdirectory: | 111209DC |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
Cal 1- Lot# E1111-01 Exp 02/10/2012
Cal 2- Lot# E1111-02 Exp 02/10/2012
Cal 3- Lot# E1111-03 Exp 02/10/2012
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A075806 - exp 11/2014
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 | Lot# E1111-01 |
| 3 | Vial 3 | Lot# E1111-02 |
| 4 | Vial 4 | Lot# E1111-03 |
| 5 | Vial 5 | |
| 6 | Vial 6 | Lot# A075264 |
| 7 | Vial 7 | Lot#A075806 |
| 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#A075806 |

11054

DC

16 Vial 16

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054 #1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054 #2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054 #3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054 #4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054 #5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL-DC | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

11054

DC

## Calibration Table

Calib. Data Modified : Friday, December 09, 2011 11:31:33 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|
| 1.064 | 1 | 1 | 7.86300e-2 | 515.34869 | 1.52576e-4 | 1 | | Ethanol |
| | | 2 | 1.55890e-1 | 1003.88660 | 1.55286e-4 | | | |
| | | 3 | 3.12180e-1 | 2003.86987 | 1.55789e-4 | | | |
| 1.823 | 1 | 1 | 1.00000 | 1362.20984 | 7.34101e-4 | I1 | | n-Propanol |
| | | 2 | 1.00000 | 1324.15588 | 7.55198e-4 | | | |
| | | 3 | 1.00000 | 1315.12402 | 7.60385e-4 | | | |

## Peak Sum Table

***No Entries in table***

11054

DC

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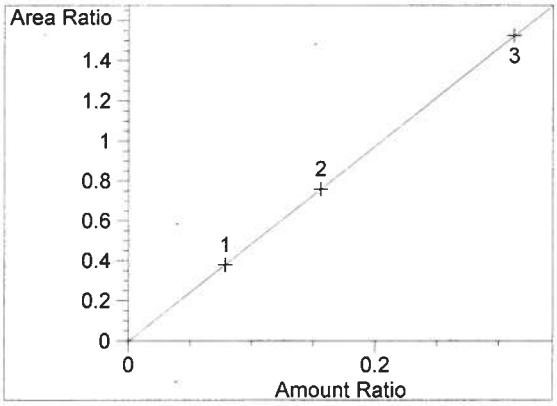
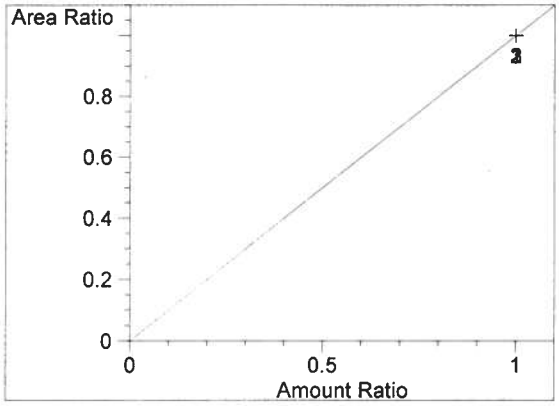
Calibration Curves

==========




Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00310
Formula: y = mx + b
m: 4.88584
b: -2.73201e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

11054

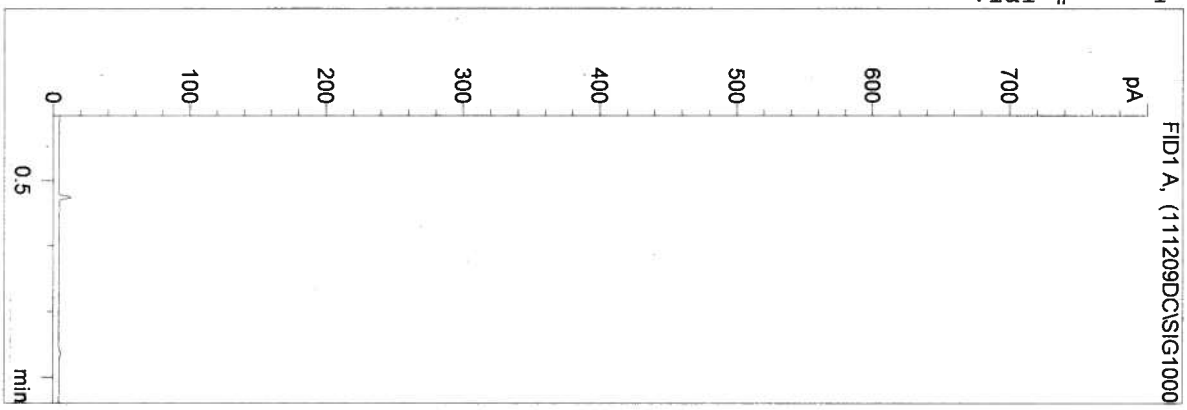
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/9/2011 11:19:59 AM
Instrument 3
DB-ALC2

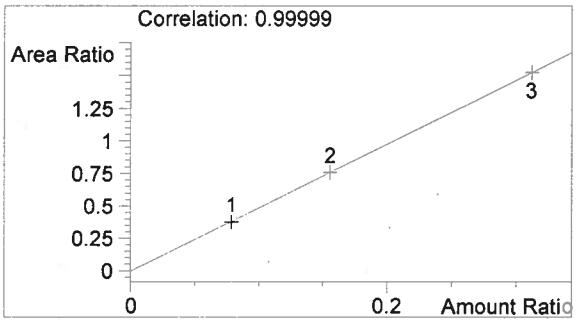
BLANK
Dawn Cox

vial # 1

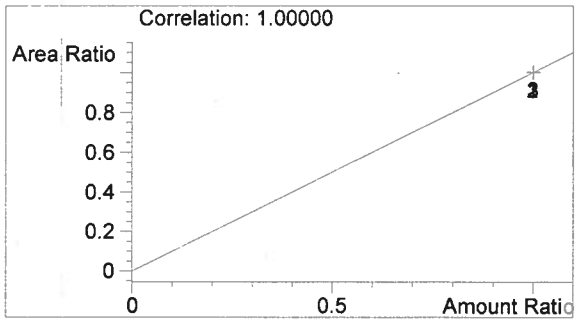



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

11054

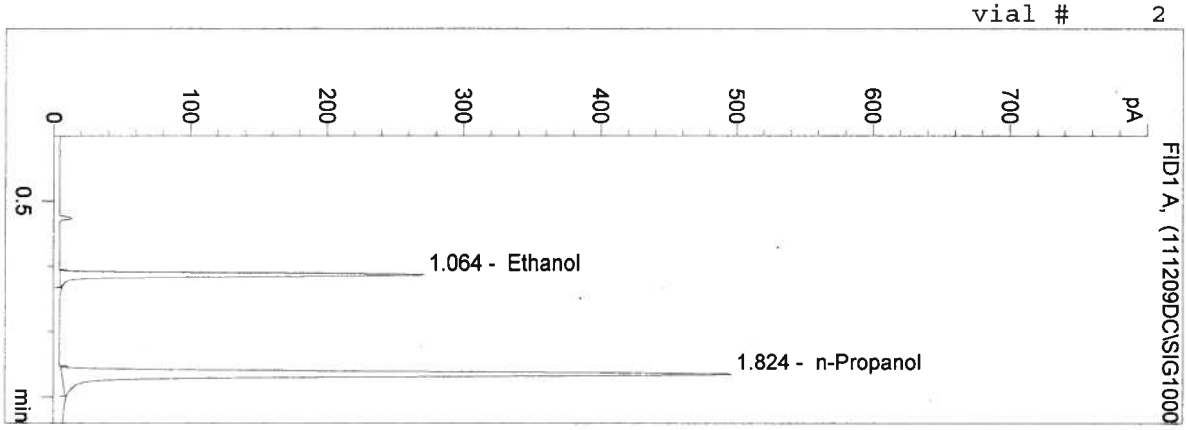
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

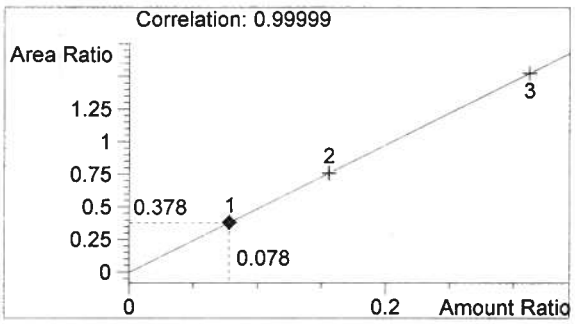
C:\HPCHEM\2\METHODS\SIMALC3.M
12/9/2011 11:23:06 AM
Instrument 3
DB-ALC2

0.079 CAL 1
Dawn Cox

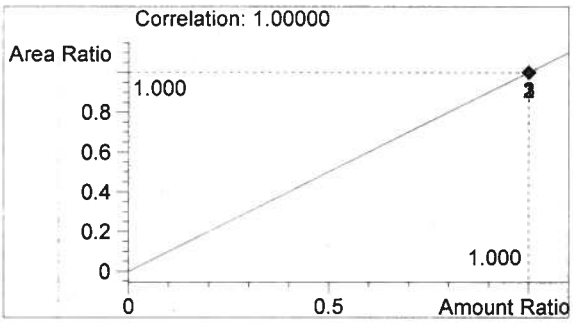
vial # 2




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 515 | 1.064 |
| 2 | n-Propanol | 1362 | 1.824 |
| Totals: | | | |




Ethanol 0.078 g/100ml




n-Propanol 1.000 g/100ml

11054

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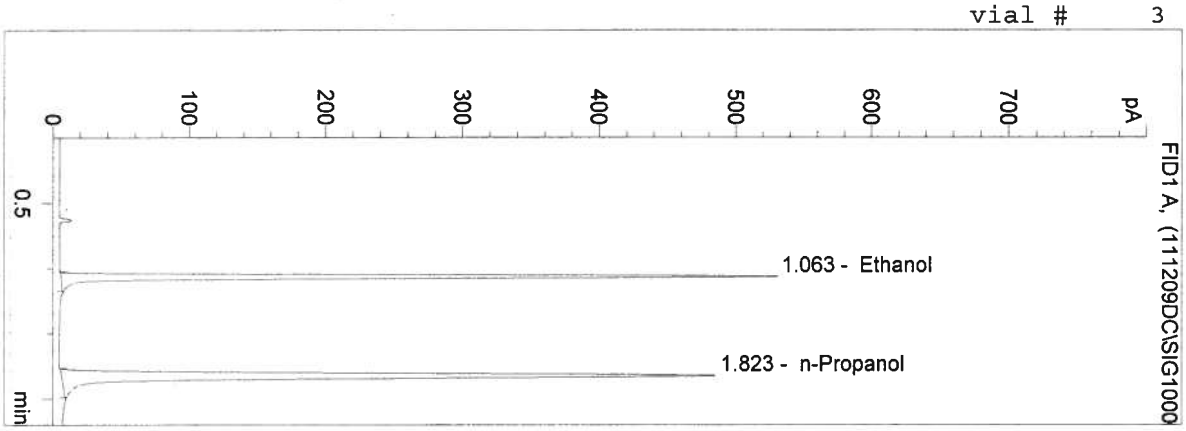
C:\HPCHEM\2\METHODS\SIMALC3.M
12/9/2011 11:26:13 AM
Instrument 3
DB-ALC2

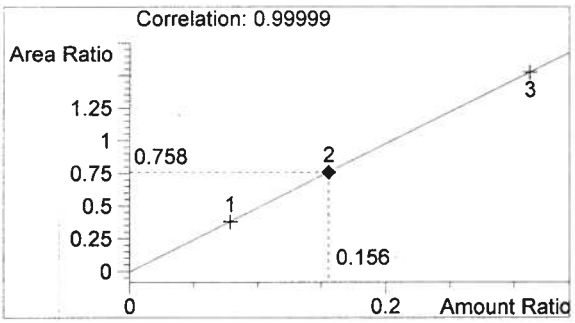
0.158 CAL 2
Dawn Cox

vial # 3

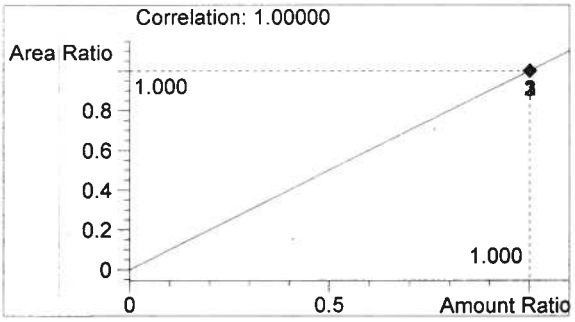



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1004 | 1.063 |
| 2 | n-Propanol | 1324 | 1.823 |

Totals:




Ethanol 0.156 g/100ml




n-Propanol 1.000 g/100ml

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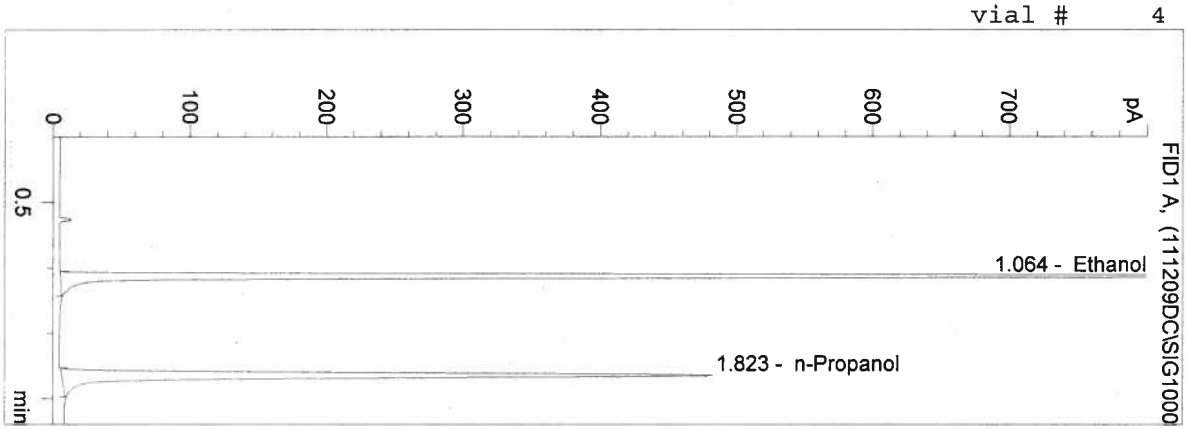
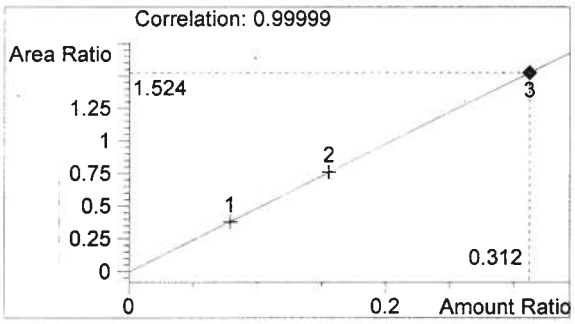
12/9/2011 11:29:20 AM
Instrument 3
DB-ALC2

0.316 CAL 3
Dawn Cox

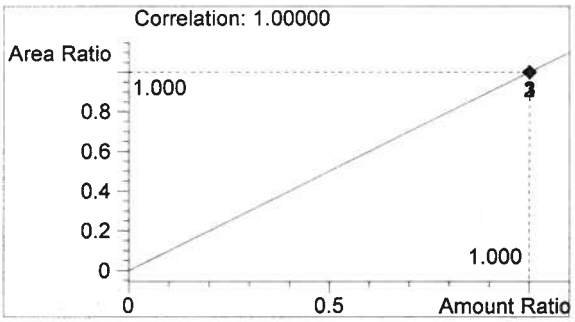
vial # 4




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2004 | 1.064 |
| 2 | n-Propanol | 1315 | 1.823 |
| Totals: | | | |




Ethanol 0.312 g/100ml




n-Propanol 1.000 g/100ml

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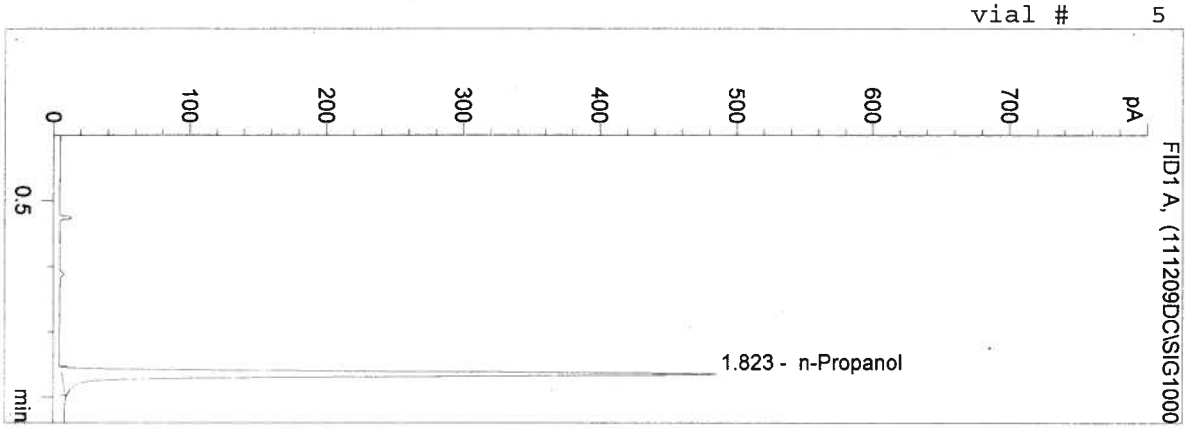
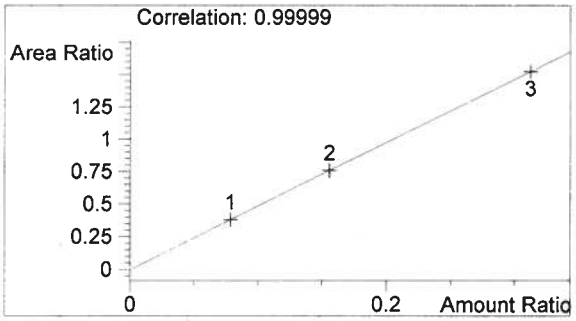
12/9/2011 11:32:27 AM
Instrument 3
DB-ALC2

NEG CTRL-DC
Dawn Cox

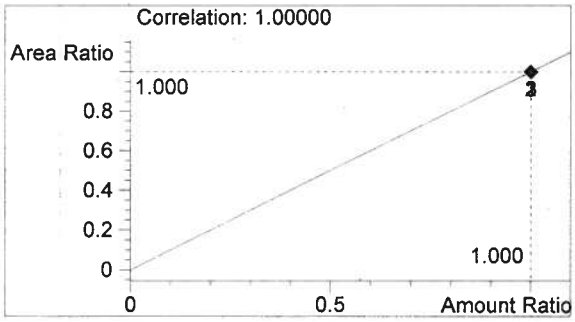
vial # 5




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1325 | 1.823 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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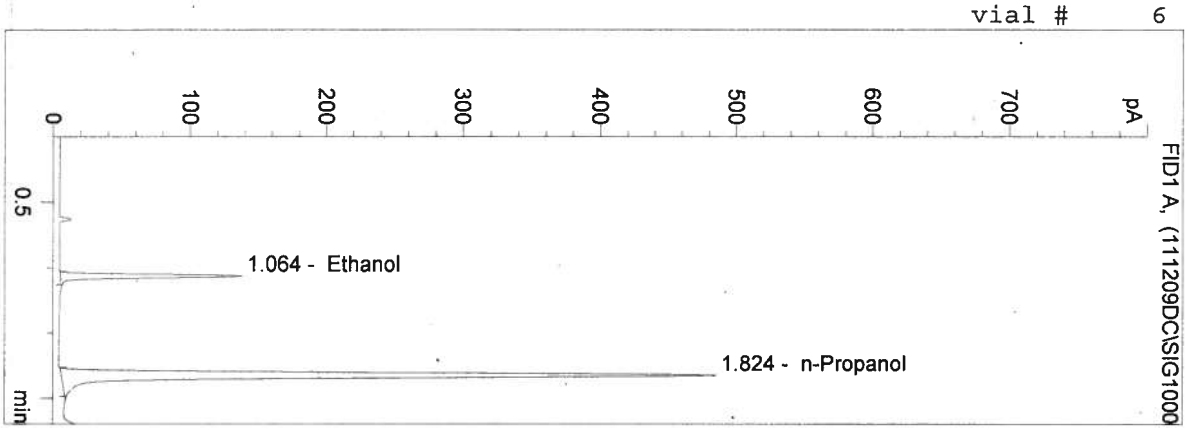
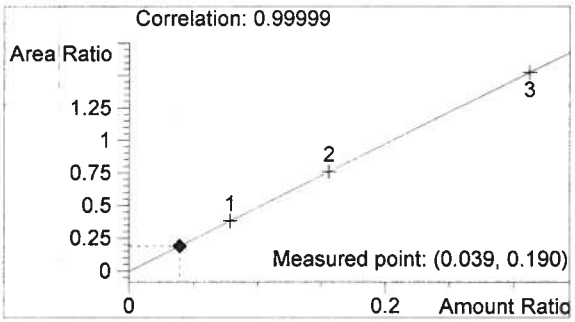
12/9/2011 11:35:35 AM
Instrument 3
DB-ALC2

0.04 CTRL-DC
Dawn Cox

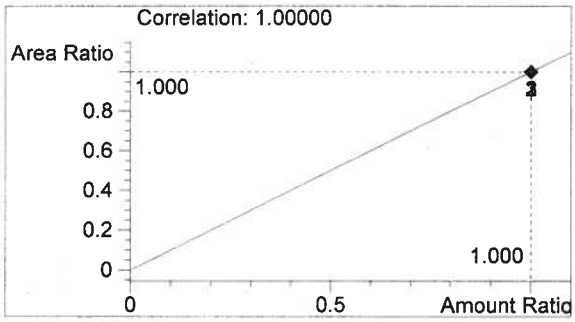
vial # 6




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 253 | 1.064 |
| 2 | n-Propanol | 1329 | 1.824 |
| Totals: | | | |




Ethanol 0.039 g/100ml




n-Propanol 1.000 g/100ml

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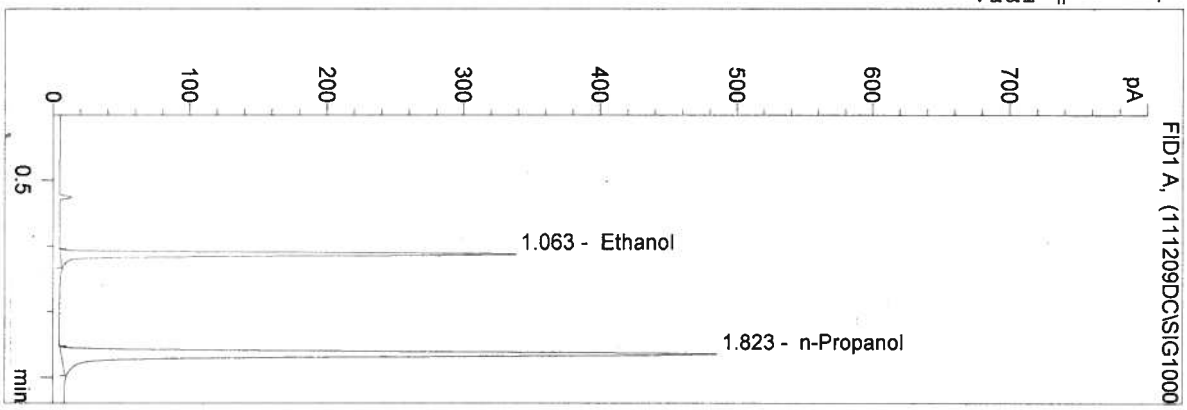
12/9/2011 11:38:42 AM
Instrument 3
DB-ALC2

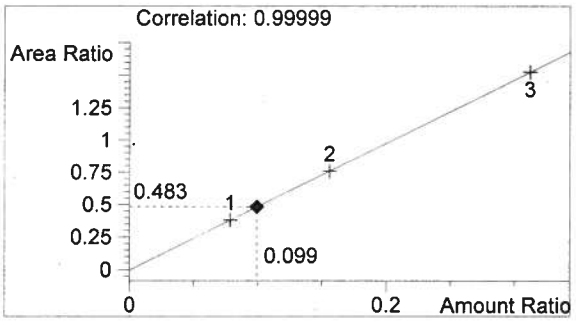
0.10 CTRL-DC
Dawn Cox

vial # 7

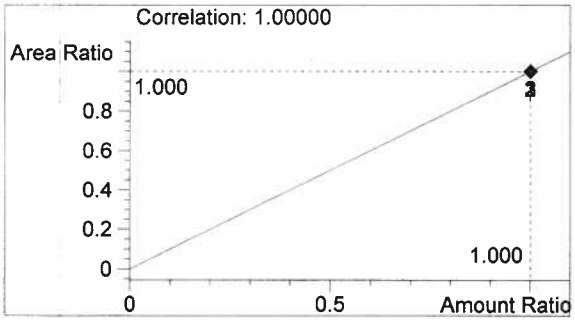



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 643 | 1.063 |
| 2 | n-Propanol | 1333 | 1.823 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

11054

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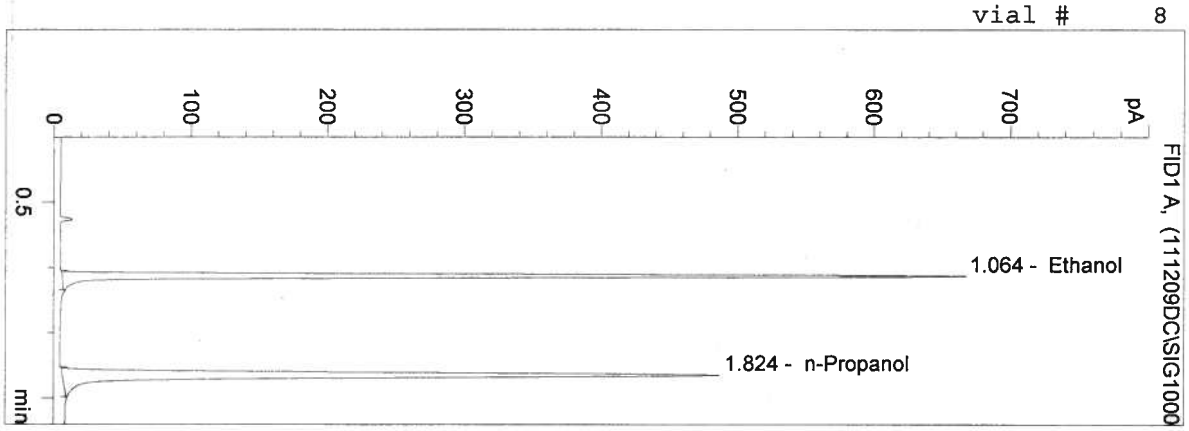
12/9/2011 11:41:49 AM
Instrument 3
DB-ALC2

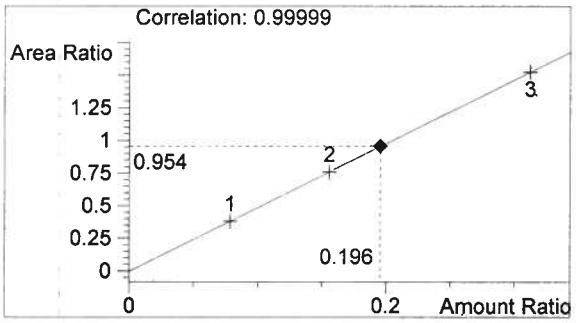
0.20 CTRL-DC
Dawn Cox

vial # 8

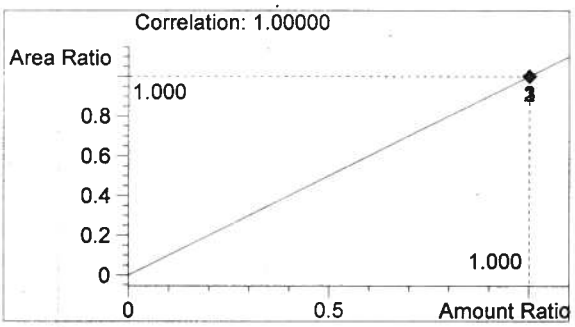



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1271 | 1.064 |
| 2 | n-Propanol | 1333 | 1.824 |

Totals:




Ethanol 0.196 g/100ml




n-Propanol 1.000 g/100ml

11054

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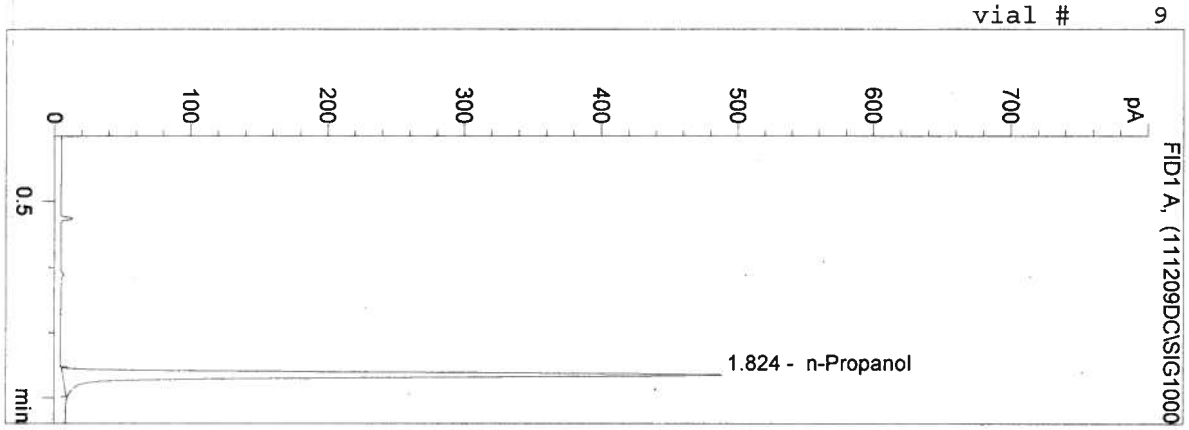
Instrument 3
DB-ALC2

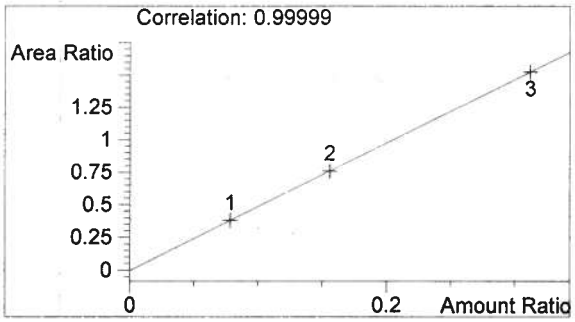
NEG CTRL-DC
Dawn Cox

vial # 9

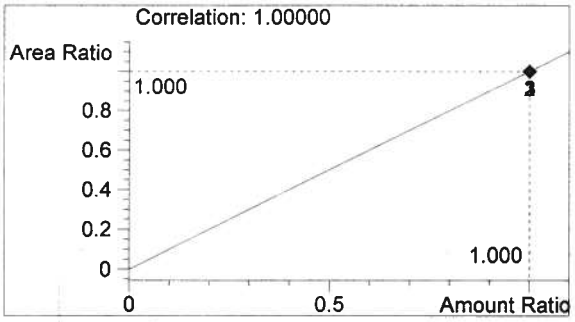



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1342 | 1.824 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

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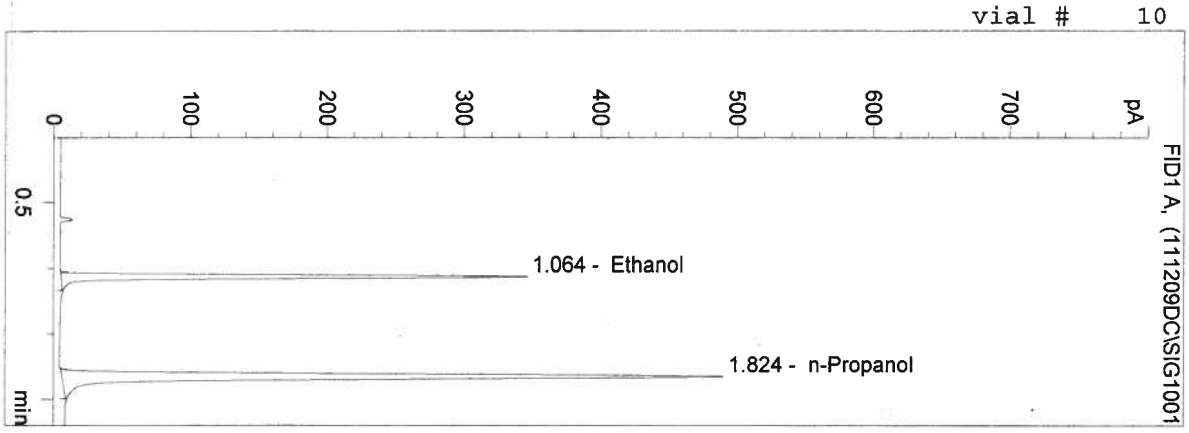
12/9/2011 11:48:03 AM
Instrument 3
DB-ALC2

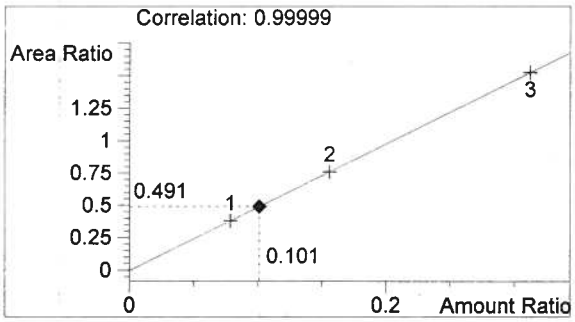
11054 #1
Dawn Cox

vial # 10

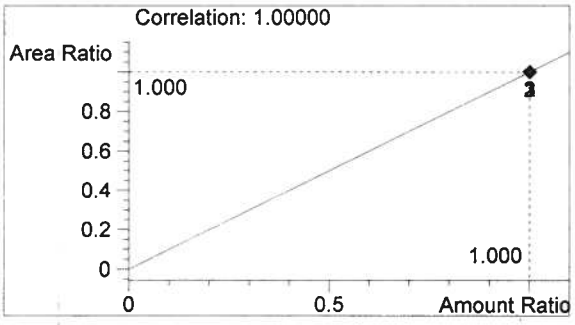



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 660 | 1.064 |
| 2 | n-Propanol | 1344 | 1.824 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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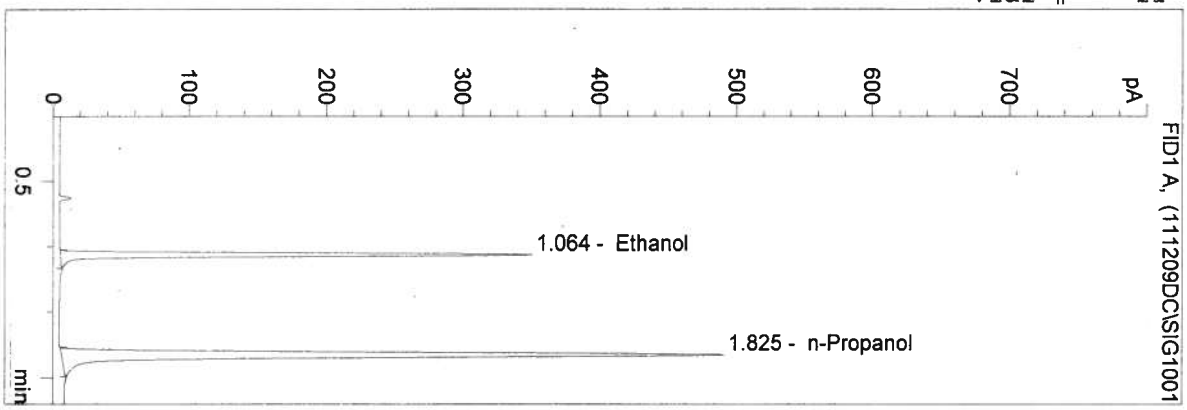
12/9/2011 11:51:11 AM
Instrument 3
DB-ALC2

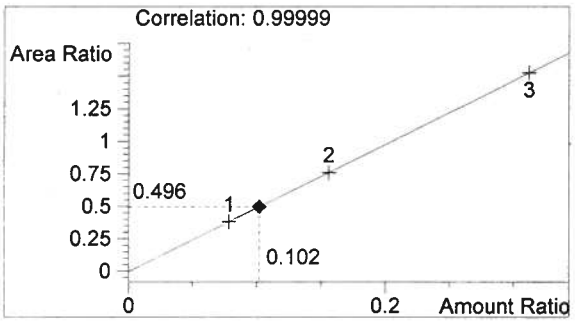
11054 #2
Dawn Cox

vial # 11

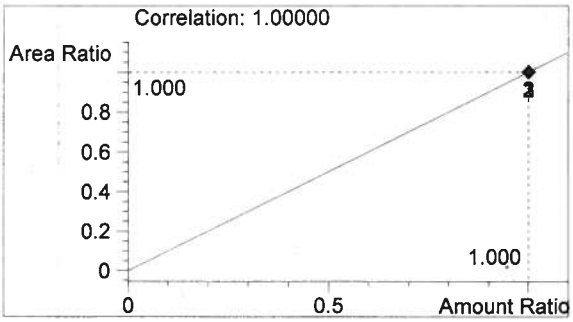



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 667 | 1.064 |
| 2 | n-Propanol | 1346 | 1.825 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

DC

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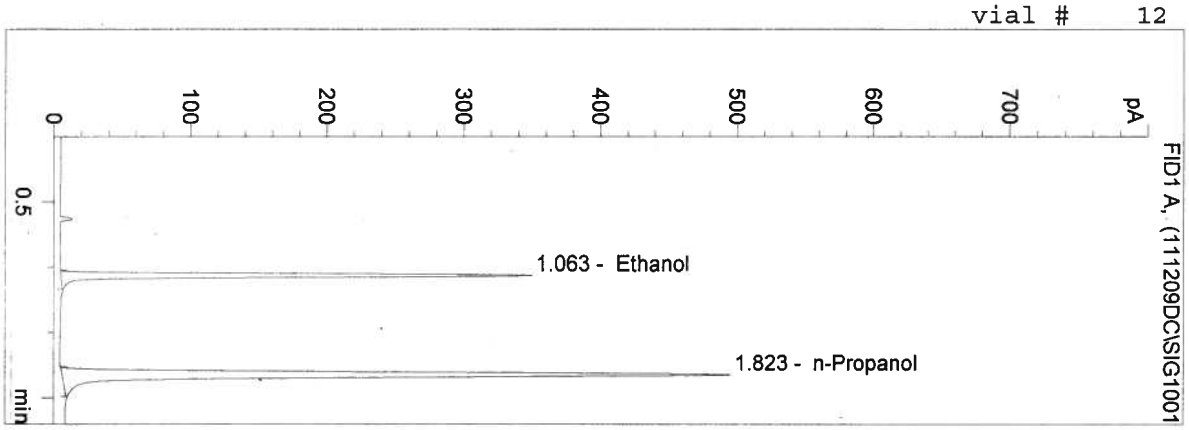
12/9/2011 11:54:18 AM
Instrument 3
DB-ALC2

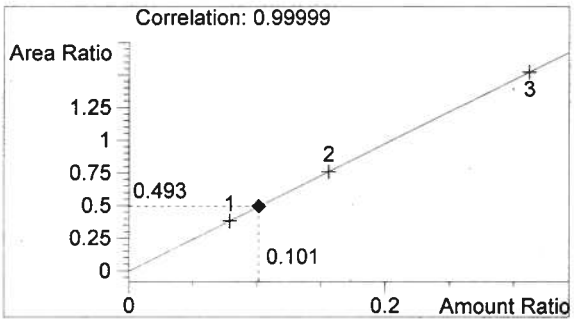
11054 #3
Dawn Cox

vial # 12

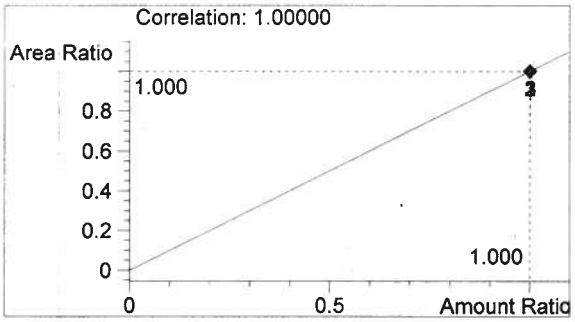



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 671 | 1.063 |
| 2 | n-Propanol | 1361 | 1.823 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

DC

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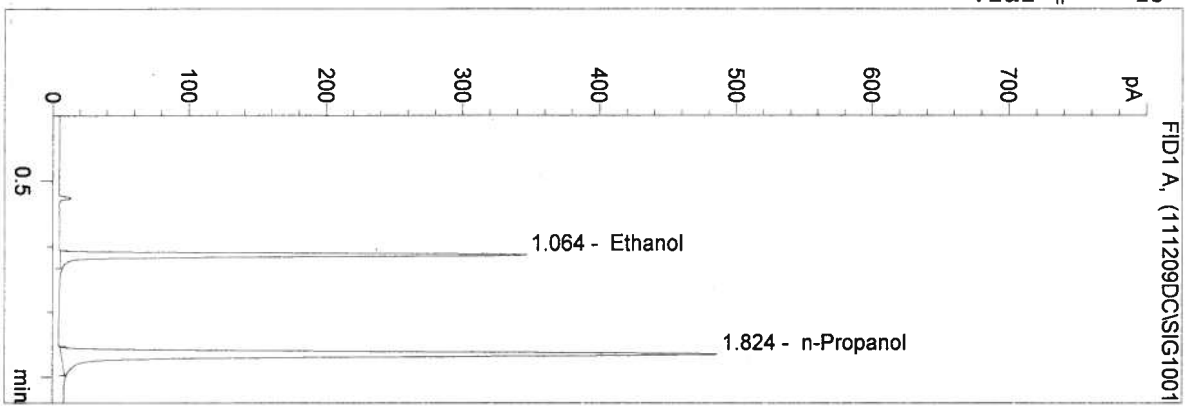
12/9/2011 11:57:25 AM
Instrument 3
DB-ALC2

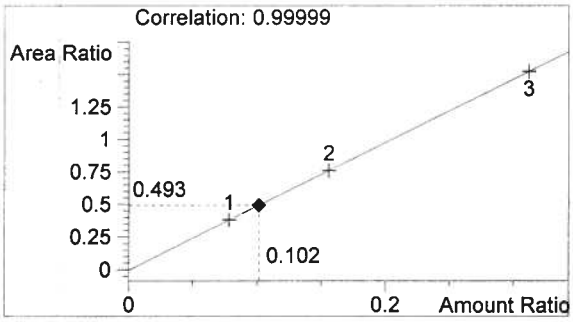
11054 #4
Dawn Cox

vial # 13

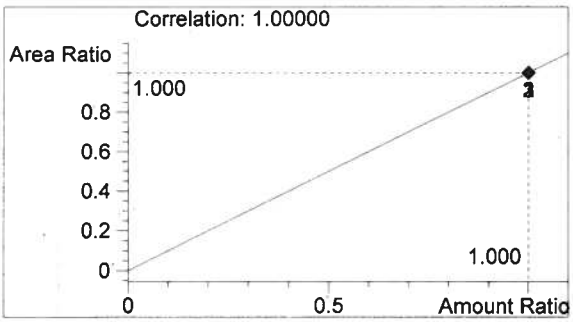



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 654 | 1.064 |
| 2 | n-Propanol | 1326 | 1.824 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

DC

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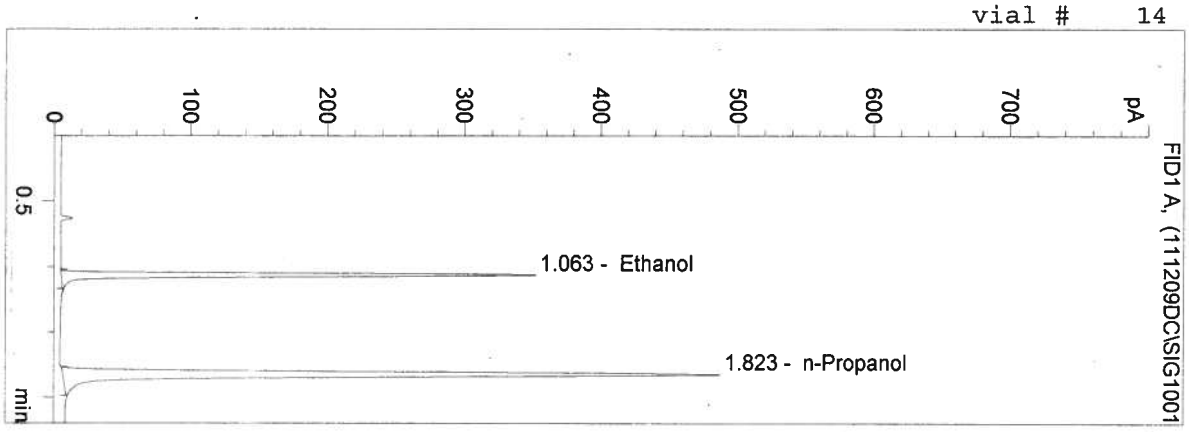
Instrument 3
DB-ALC2

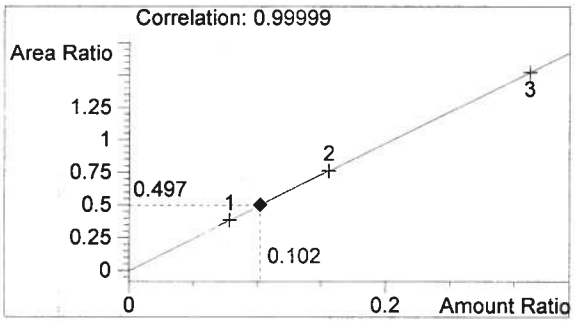
11054 #5
Dawn Cox

vial # 14

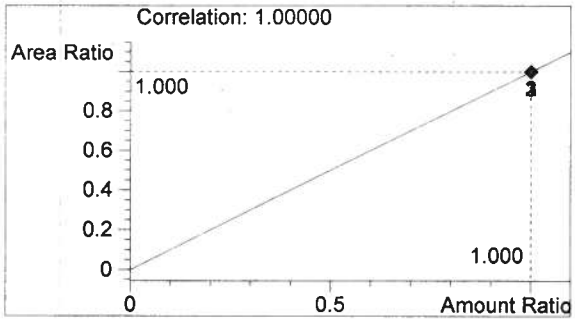



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 658 | 1.063 |
| 2 | n-Propanol | 1323 | 1.823 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

DC

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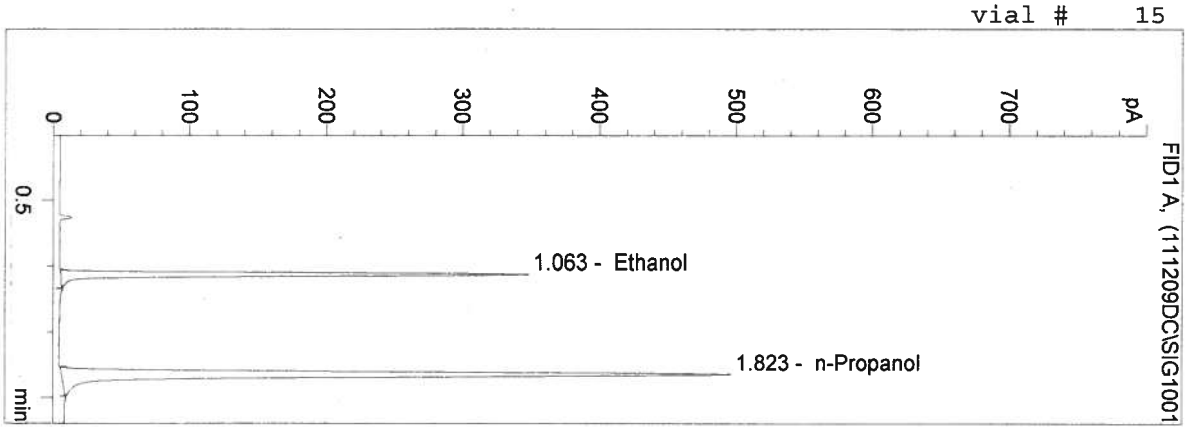
12/9/2011 12:03:39 PM
Instrument 3
DB-ALC2

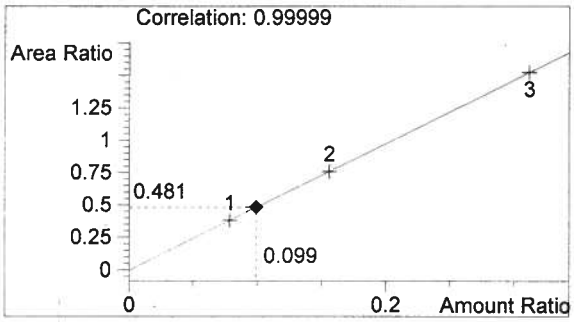
0.10 CTRL-DC
Dawn Cox

vial # 15

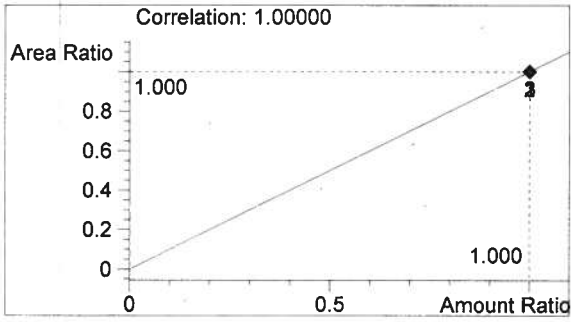



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 651 | 1.063 |
| 2 | n-Propanol | 1353 | 1.823 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

11054

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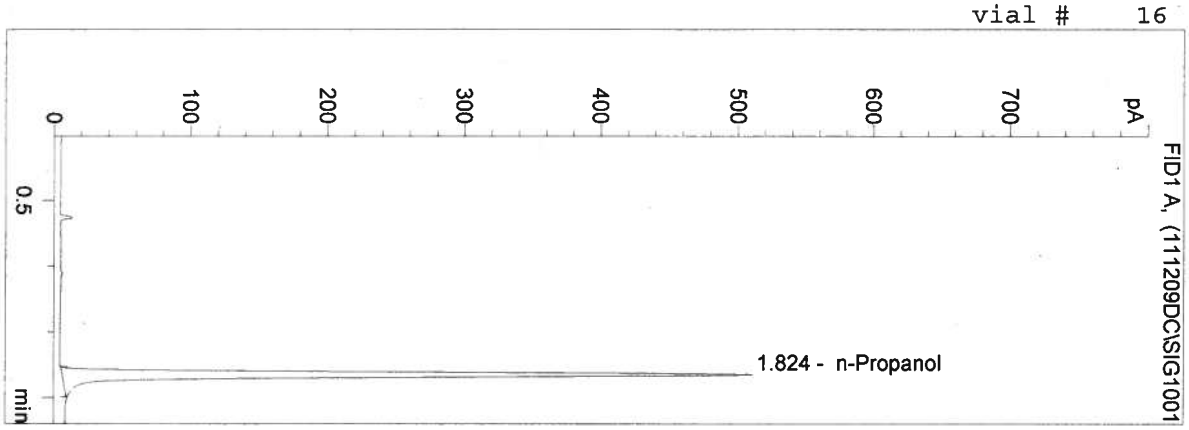
Instrument 3
DB-ALC2

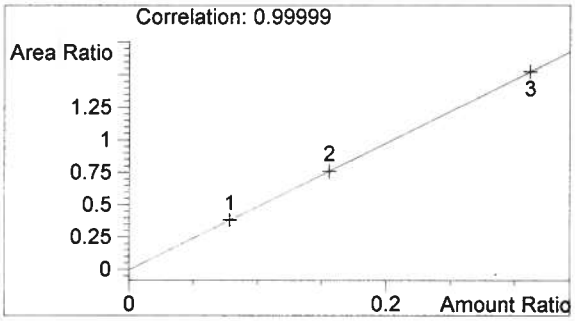
NEG CTRL-DC
Dawn Cox

vial # 16

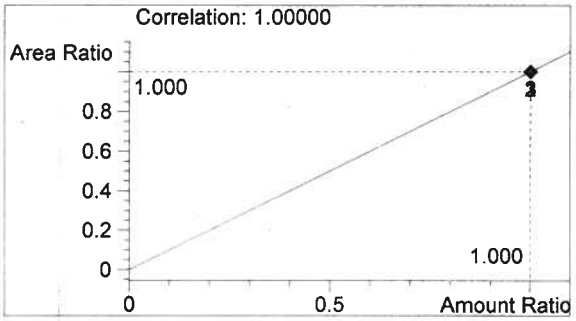



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1396 | 1.824 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

DC

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\2\DATA\ |
| Data Subdirectory: | 111209JK |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/2012
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/2012
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/2012

0.04 Control - Lot #A075264 - Exp. 10/2014
0.10 Control - Lot #A075806 - Exp. 11/2014
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 | E1111-01 - Exp 02/10/2012 |
| 3 | Vial 3 | E1111-02 - Exp 02/10/2012 |
| 4 | Vial 4 | E1111-03 - Exp 02/10/2012 |
| 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 | |

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Sequence: C:\HPCHEM\2\SEQUENCE\JKEXSTD3.S

| Line | Location | Sample Information |
|---|---|---|
| 15 | Vial 15 | |
| 16 | Vial 16 | |

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | Vial 1 | BLANK | SIMALC3 | 1 | Sample | | |
| 2 | Vial 2 | CAL1 0.079 | SIMALC3 | 1 | Calib | | |
| 3 | Vial 3 | CAL2 0.158 | SIMALC3 | 1 | Calib | | |
| 4 | Vial 4 | CAL3 0.316 | SIMALC3 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 11054-1 | SIMALC3 | 1 | Sample | | |
| 11 | Vial 11 | 11054-2 | SIMALC3 | 1 | Sample | | |
| 12 | Vial 12 | 11054-3 | SIMALC3 | 1 | Sample | | |
| 13 | Vial 13 | 11054-4 | SIMALC3 | 1 | Sample | | |
| 14 | Vial 14 | 11054-5 | SIMALC3 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL JK | SIMALC3 | 1 | Ctrl Samp | | |

Calibration Part:

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|---|---|---|---|---|---|---|---|
| 2 | Vial 2 | CAL1 0.079 | SIMALC3 | 1 | Replace | Replace | |
| 3 | Vial 3 | CAL2 0.158 | SIMALC3 | 2 | Replace | Replace | |
| 4 | Vial 4 | CAL3 0.316 | SIMALC3 | 3 | Replace | Replace | |

Sequence Table (Back Injector):

No entries - empty table!

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## Calibration Table

Calib. Data Modified : Friday, December 09, 2011 12:50:46 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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

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

Signal 1: FID1 A,

| RetTime [min] | Lvl | Sig | | Amount [g/100mL] | Area | Amt/Area | Ref | Grp | Name |
|---|---|---|---|---|---|---|---|---|---|
| 1.064 | 1 | | 1 | 7.86300e-2 | 503.17331 | 1.56268e-4 | 1 | | Ethanol |
| | | | 2 | 1.55890e-1 | 1017.22198 | 1.53251e-4 | | | |
| | | | 3 | 3.12180e-1 | 1994.28479 | 1.56537e-4 | | | |
| 1.823 | 1 | | 1 | 1.00000 | 1323.32629 | 7.55672e-4 | I1 | | n-Propanol |
| | | | 2 | 1.00000 | 1337.31104 | 7.47769e-4 | | | |
| | | | 3 | 1.00000 | 1306.56726 | 7.65364e-4 | | | |

## Peak Sum Table

***No Entries in table***

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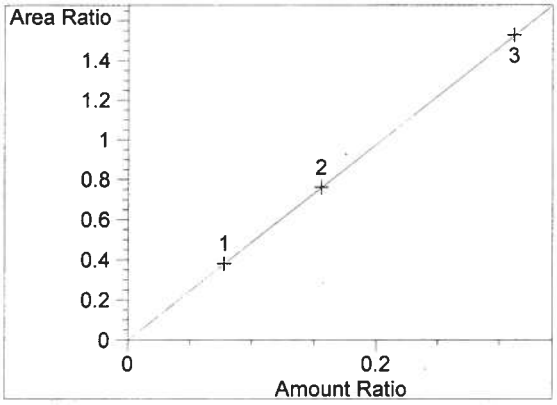
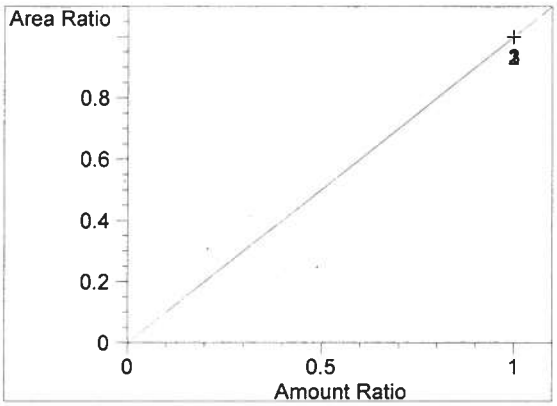
Calibration Curves

==========




Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00234
Formula: y = mx + b
m: 4.89338
b: -1.99355e-3
x: Amount Ratio
y: Area Ratio




n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

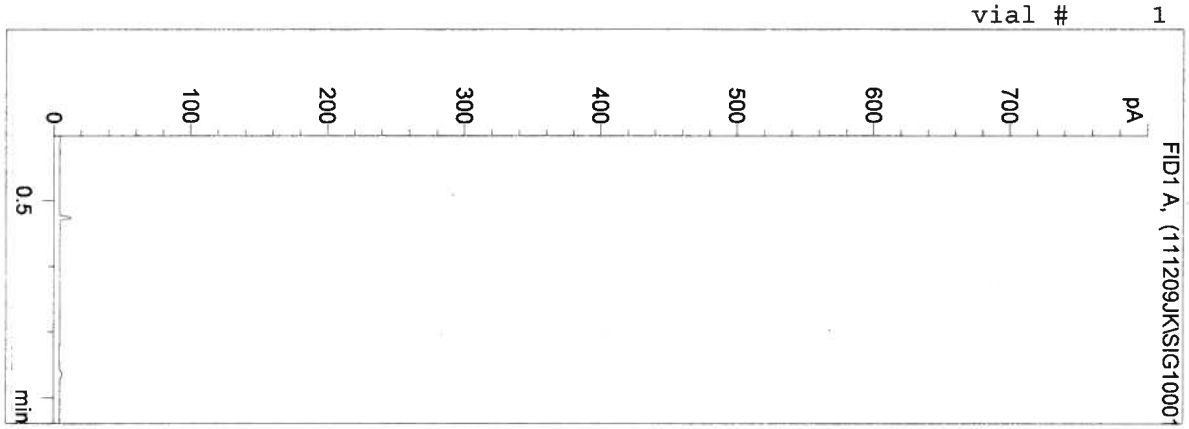
11054

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/9/2011 12:39:12 PM
Instrument 3
DB-ALC2

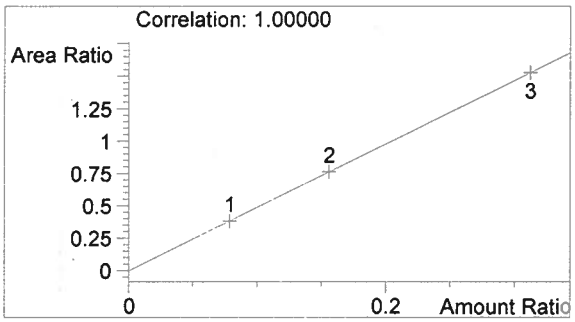
BLANK
Justin Knoy

vial # 1

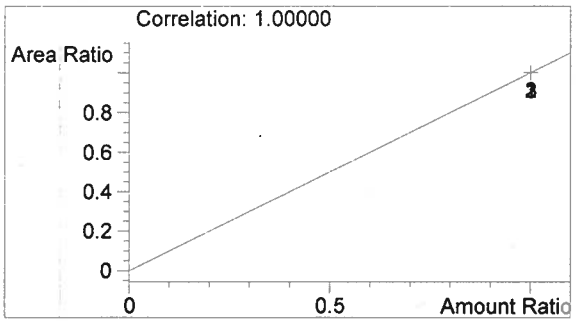



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 0.000 g/100ml

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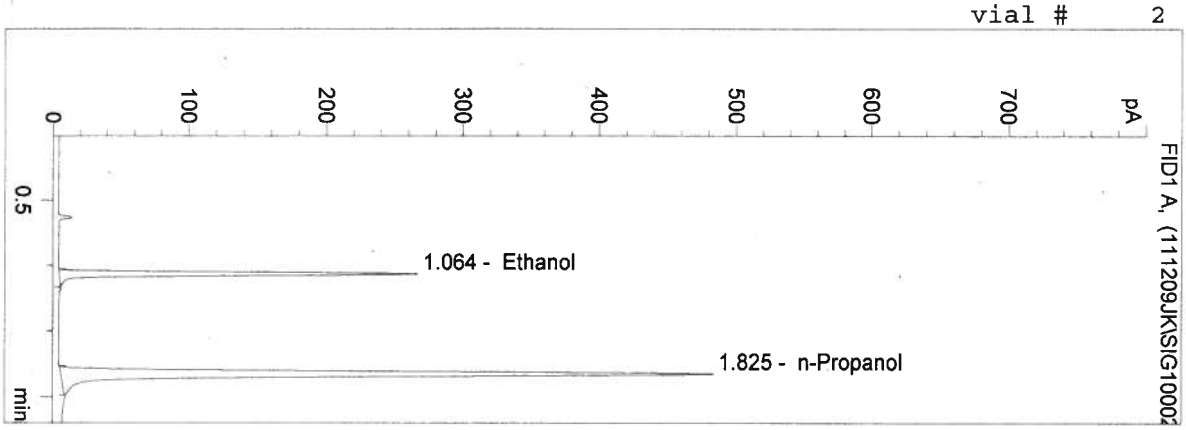
Instrument 3
DB-ALC2

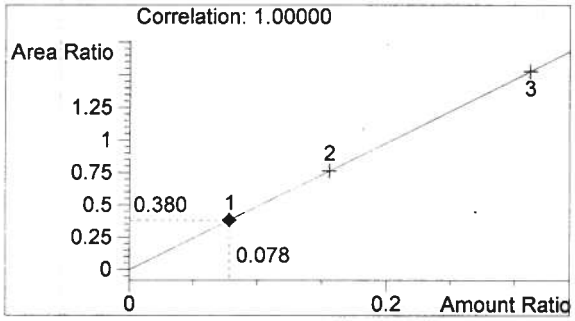
CAL1 0.079
Justin Knoy

vial # 2

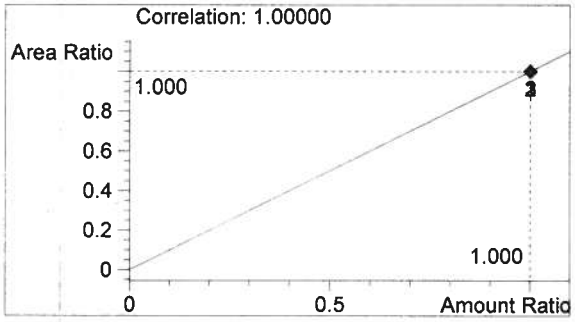



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 503 | 1.064 |
| 2 | n-Propanol | 1323 | 1.825 |

Totals:




Ethanol 0.078 g/100ml




n-Propanol 1.000 g/100ml

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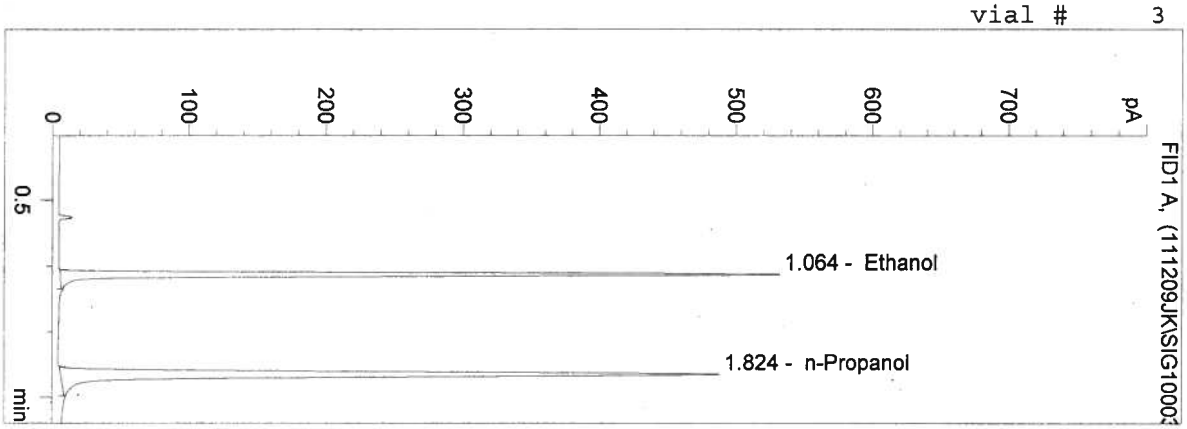
Instrument 3
DB-ALC2

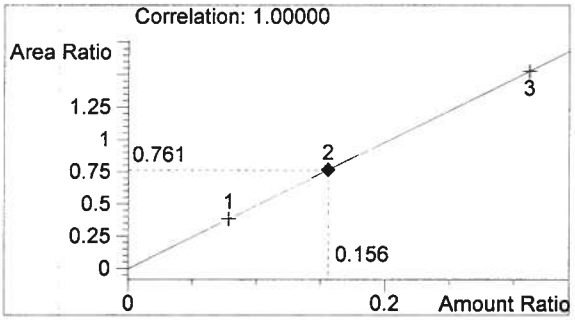
CAL2 0.158
Justin Knoy

vial # 3

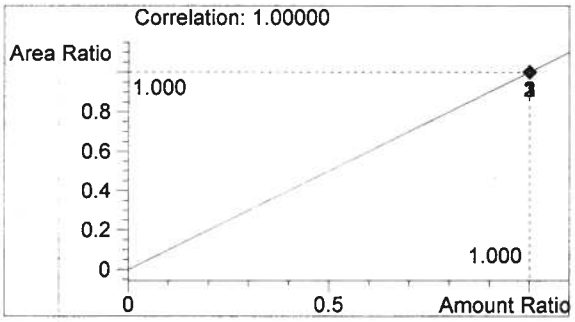



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1017 | 1.064 |
| 2 | n-Propanol | 1337 | 1.824 |

Totals:




Ethanol 0.156 g/100ml




n-Propanol 1.000 g/100ml

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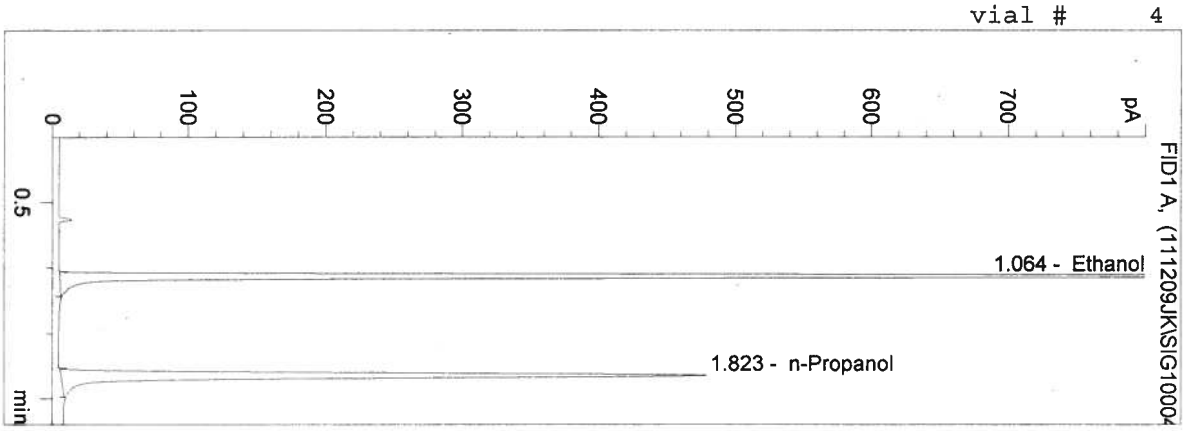
Instrument 3
DB-ALC2

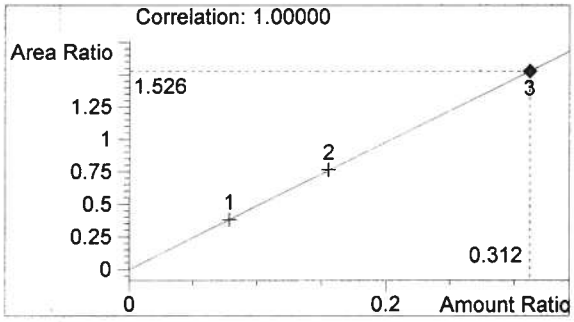
CAL3 0.316
Justin Knoy

vial # 4

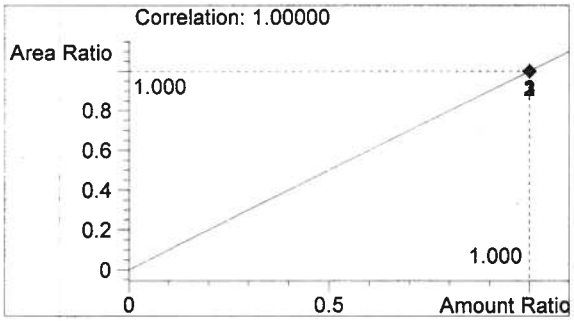



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1994 | 1.064 |
| 2 | n-Propanol | 1307 | 1.823 |

Totals:




Ethanol 0.312 g/100ml




n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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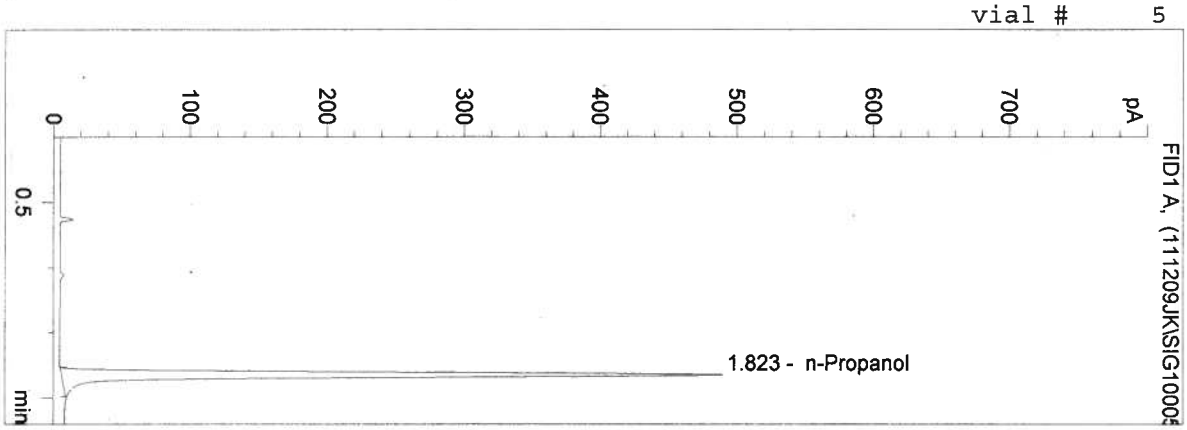
Instrument 3
DB-ALC2

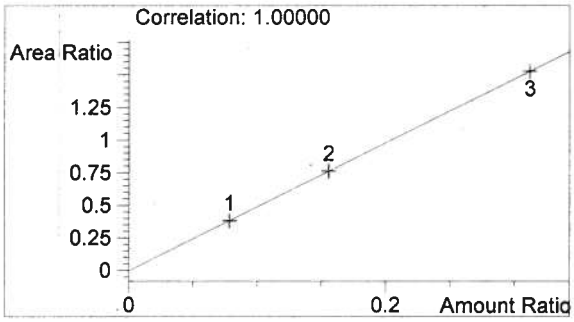
NEG CTRL JK
Justin Knoy

vial # 5

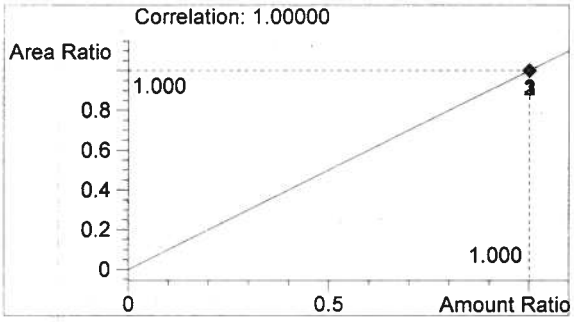



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1340 | 1.823 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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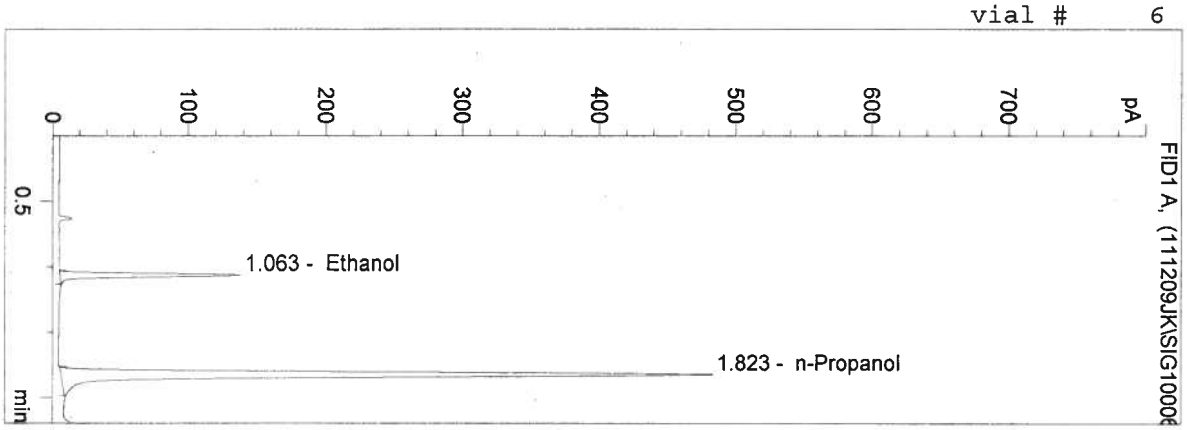
Instrument 3
DB-ALC2

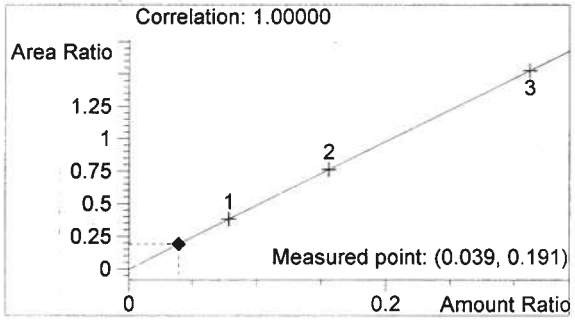
0.04 CTRL JK
Justin Knoy

vial # 6

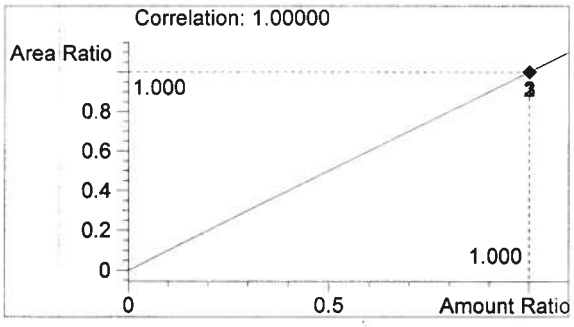



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 252 | 1.063 |
| 2 | n-Propanol | 1320 | 1.823 |

Totals:




Ethanol 0.039 g/100ml




n-Propanol 1.000 g/100ml

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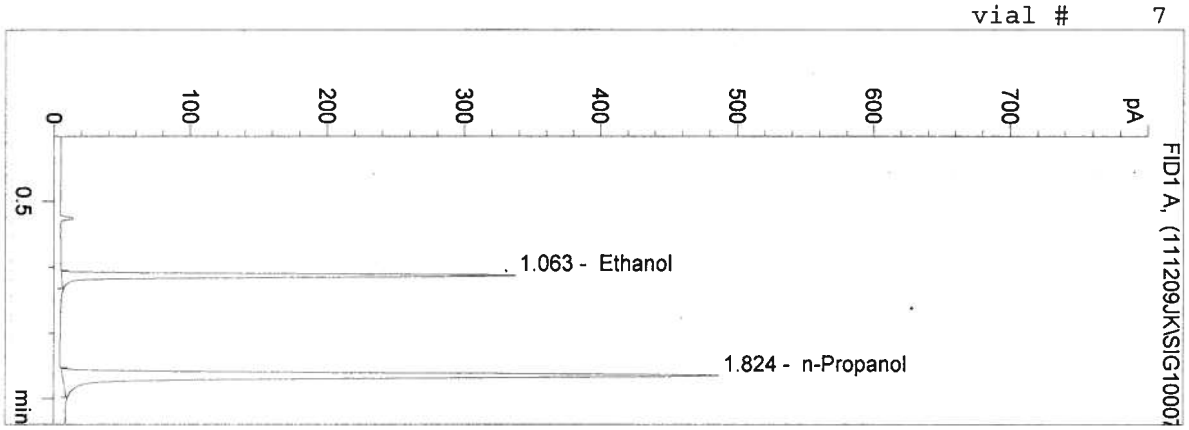
Instrument 3
DB-ALC2

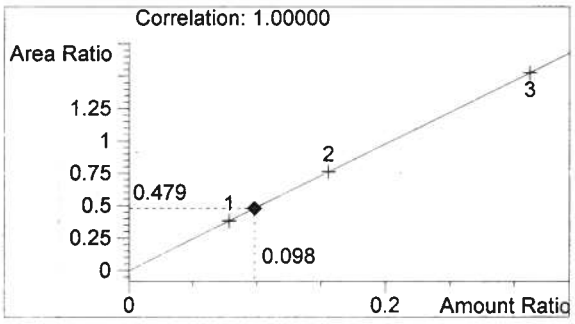
0.10 CTRL JK
Justin Knoy

vial # 7

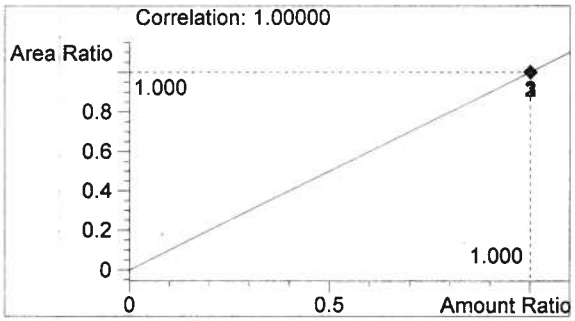



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 638 | 1.063 |
| 2 | n-Propanol | 1331 | 1.824 |

Totals:




Ethanol 0.098 g/100ml




n-Propanol 1.000 g/100ml

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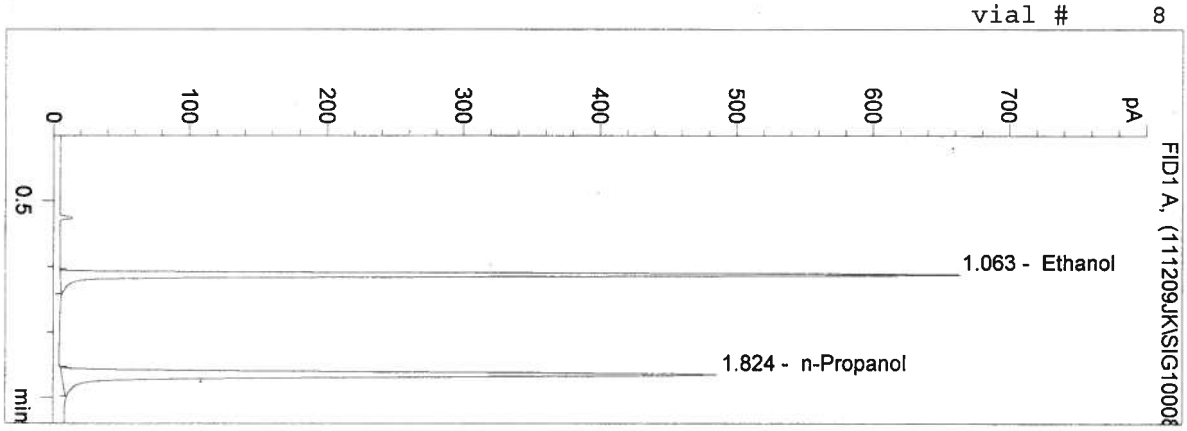
Instrument 3
DB-ALC2

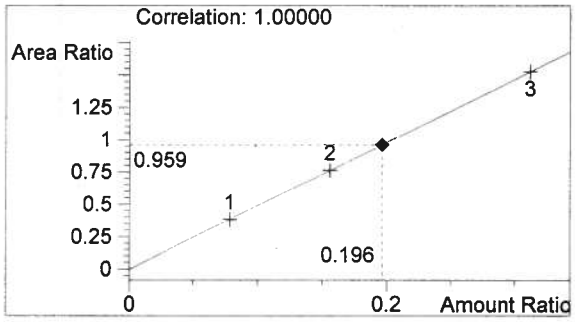
0.20 CTRL JK
Justin Knoy

vial # 8

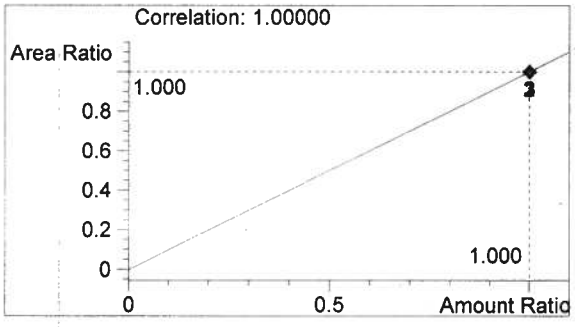



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1273 | 1.063 |
| 2 | n-Propanol | 1326 | 1.824 |

Totals:




Ethanol 0.196 g/100ml




n-Propanol 1.000 g/100ml

11054

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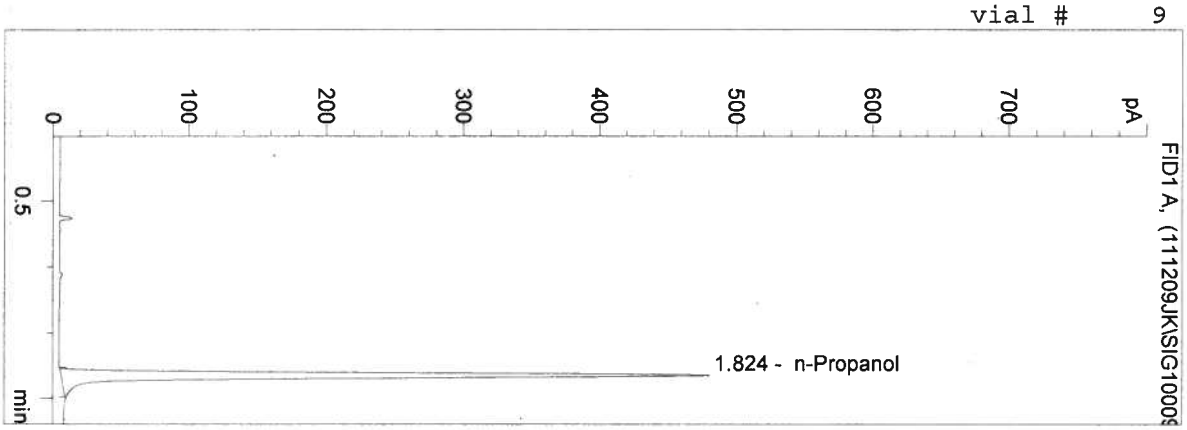
12/9/2011 1:04:10 PM
Instrument 3
DB-ALC2

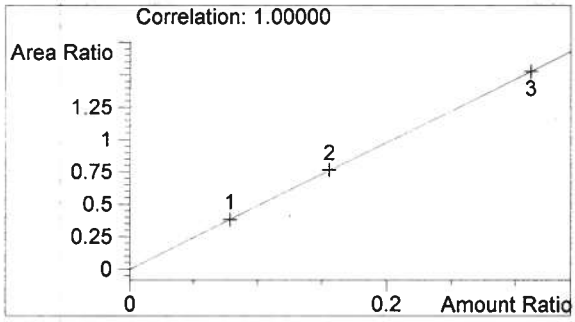
NEG CTRL JK
Justin Knoy

vial # 9

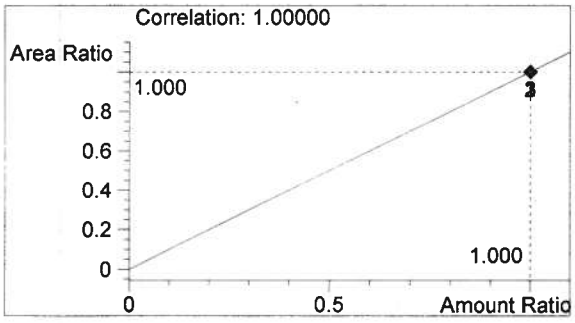



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1316 | 1.824 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

WASHINGTON STATE TOXICOLOGY LABORATORY

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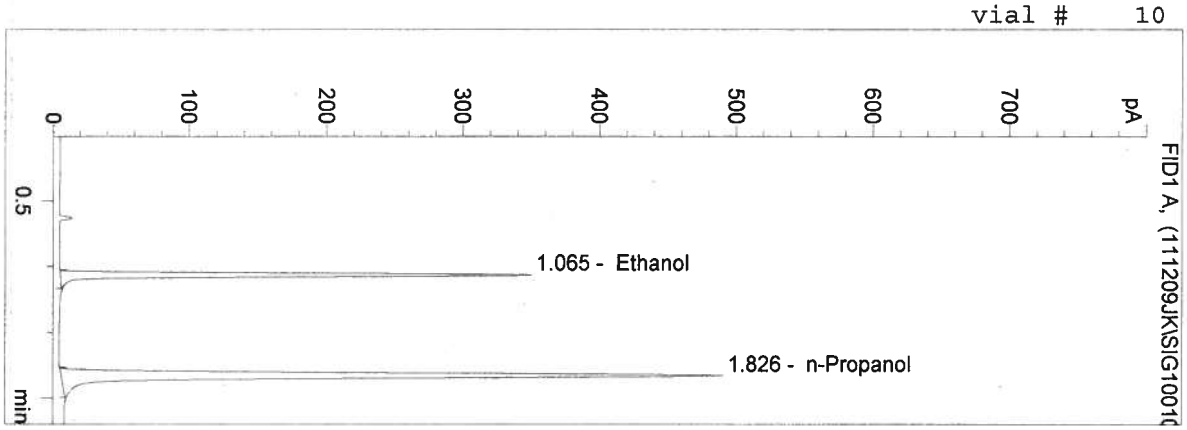
12/9/2011 1:07:17 PM
Instrument 3
DB-ALC2

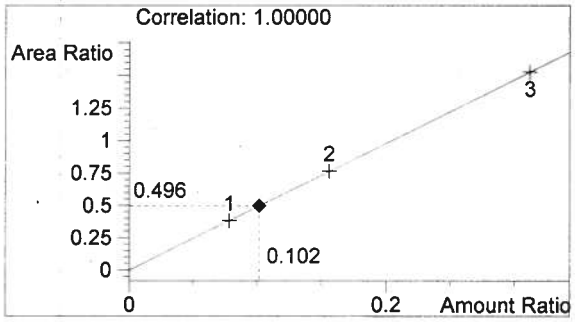
11054-1
Justin Knoy

vial # 10

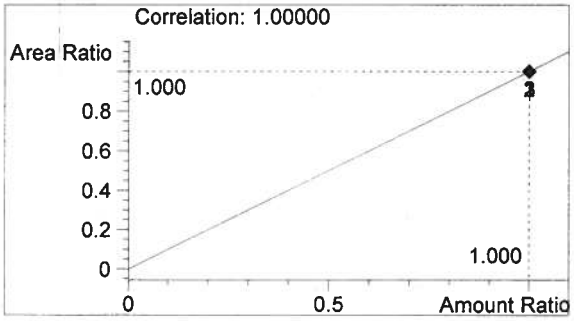



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 668 | 1.065 |
| 2 | n-Propanol | 1346 | 1.826 |

Totals:




Ethanol 0.102 g/100ml



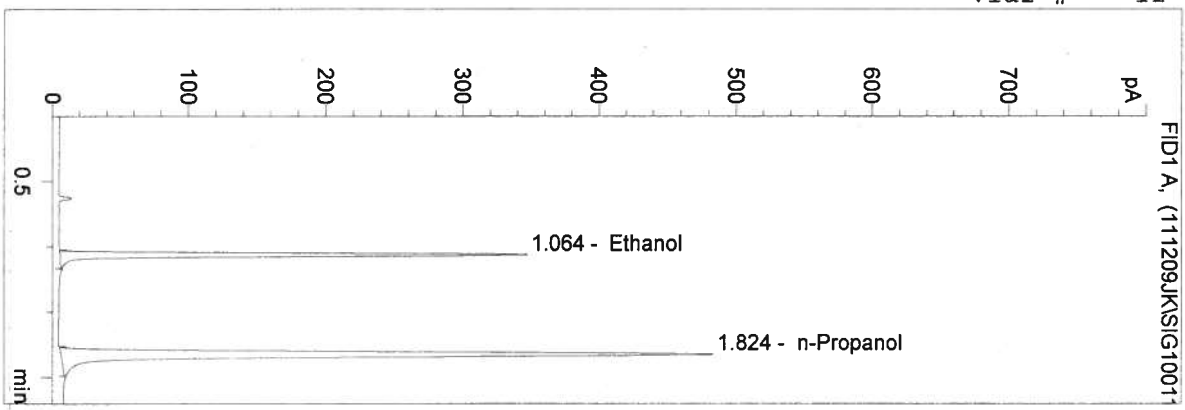

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/9/2011 1:10:24 PM
Instrument 3
DB-ALC2

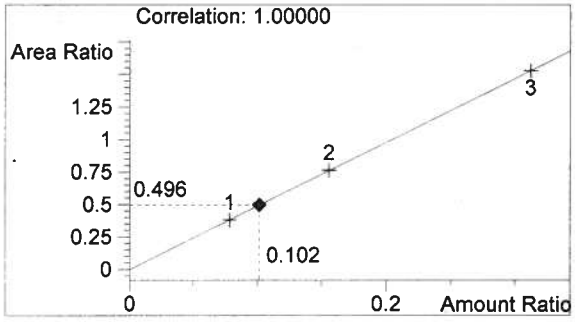
11054-2
Justin Knoy

vial # 11

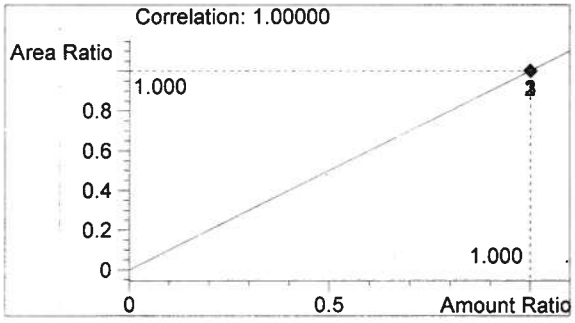



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 653 | 1.064 |
| 2 | n-Propanol | 1318 | 1.824 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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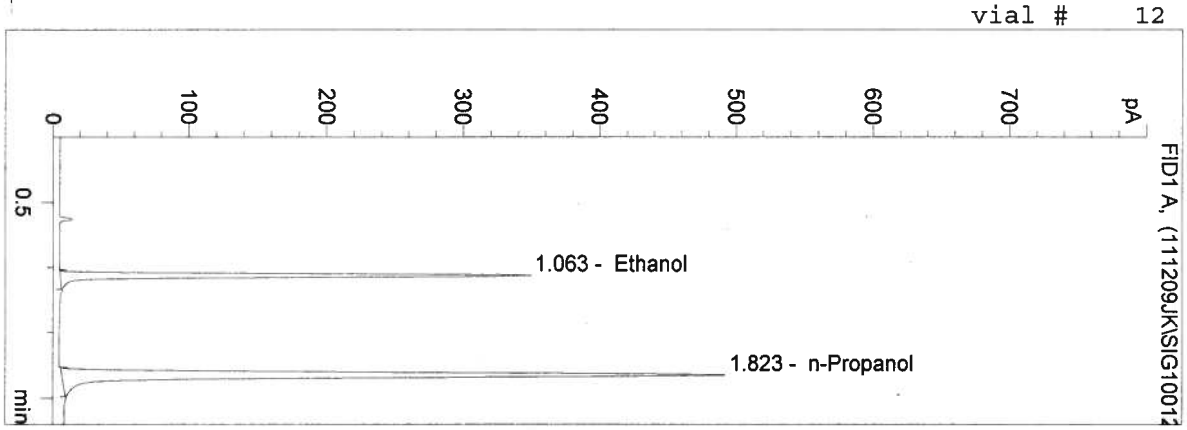
Instrument 3
DB-ALC2

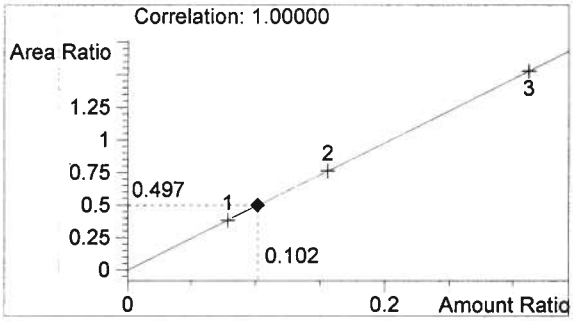
11054-3
Justin Knoy

vial # 12

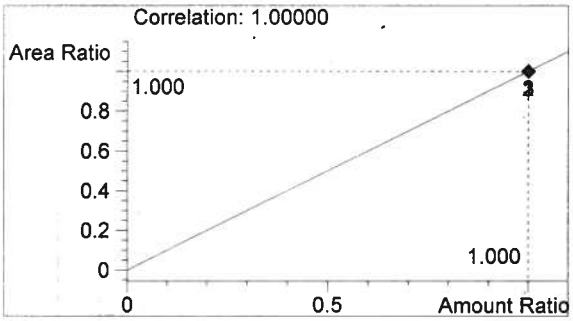



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 670 | 1.063 |
| 2 | n-Propanol | 1348 | 1.823 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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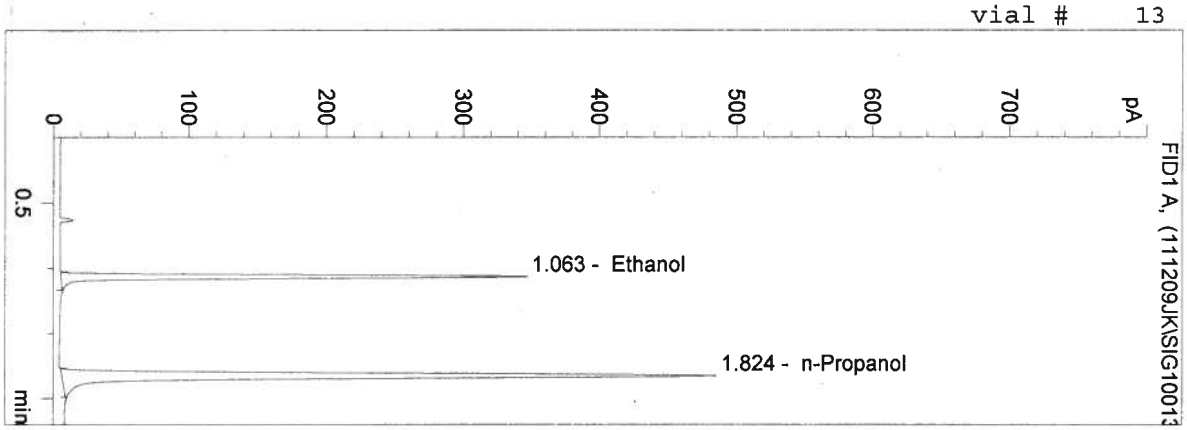
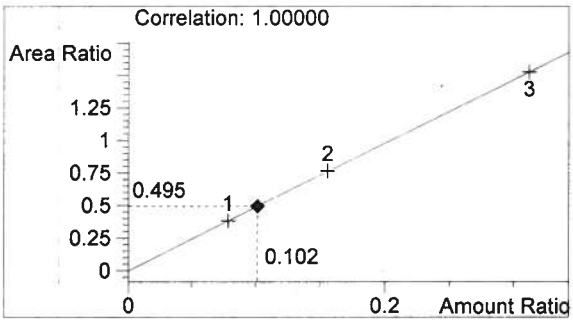
Instrument 3
DB-ALC2

11054-4
Justin Knoy

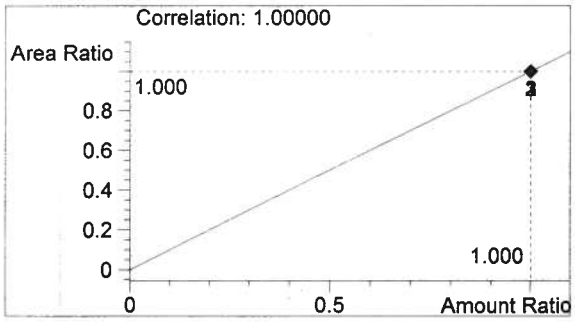
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 657 | 1.063 |
| 2 | n-Propanol | 1328 | 1.824 |
| Totals: | | | |




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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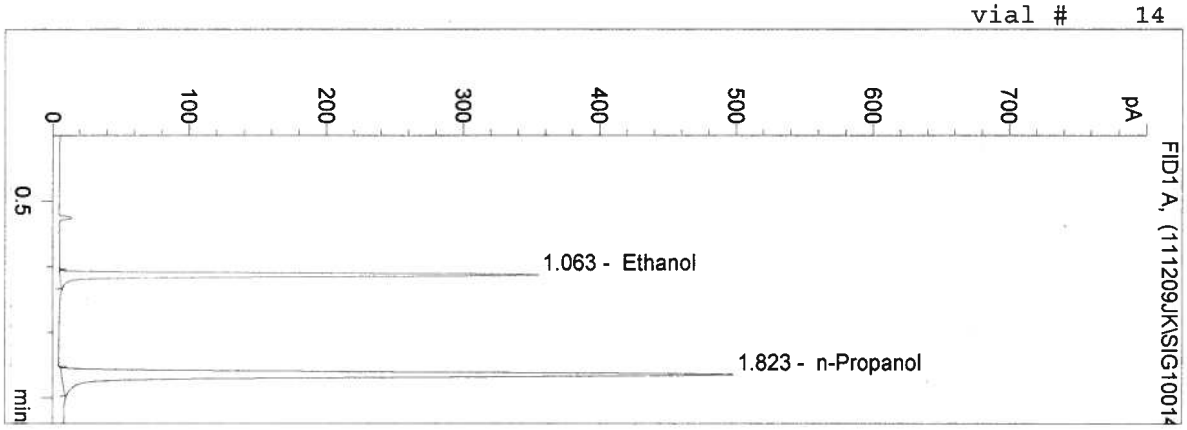
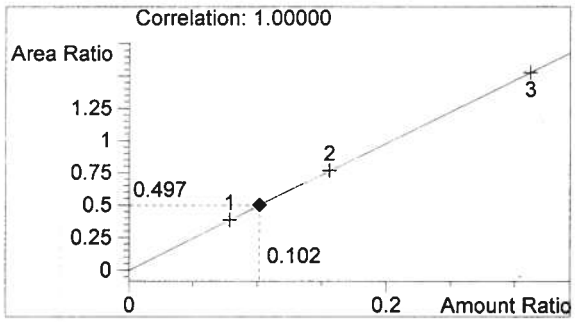
Instrument 3
DB-ALC2

11054-5
Justin Knoy

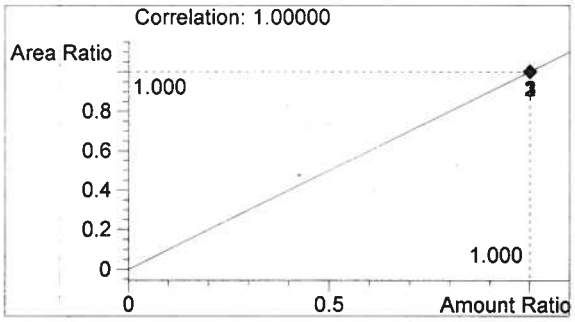
vial # 14




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 676 | 1.063 |
| 2 | n-Propanol | 1360 | 1.823 |
| Totals: | | | |




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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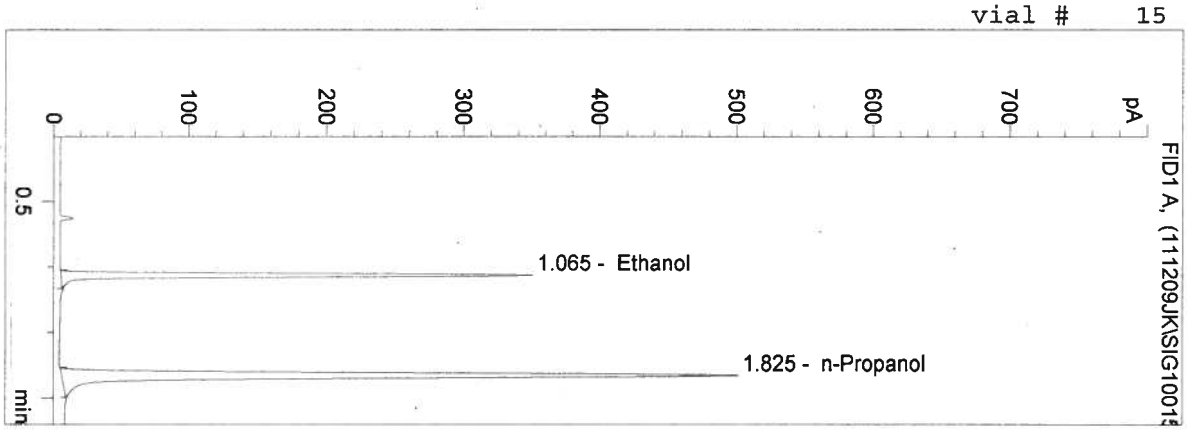
Instrument 3
DB-ALC2

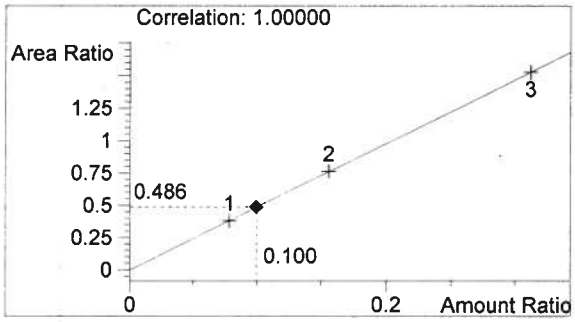
0.10 CTRL JK
Justin Knoy

vial # 15

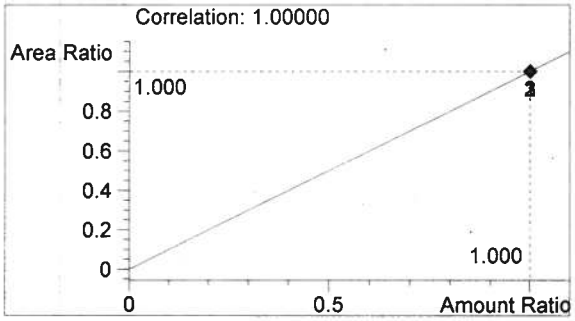



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 668 | 1.065 |
| 2 | n-Propanol | 1373 | 1.825 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

11054

WASHINGTON STATE TOXICOLOGY LABORATORY

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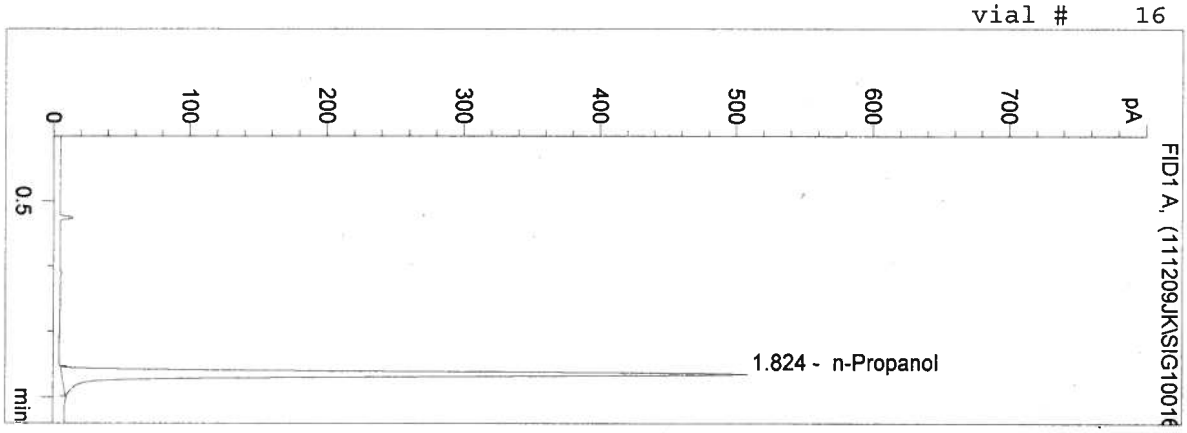
Instrument 3
DB-ALC2

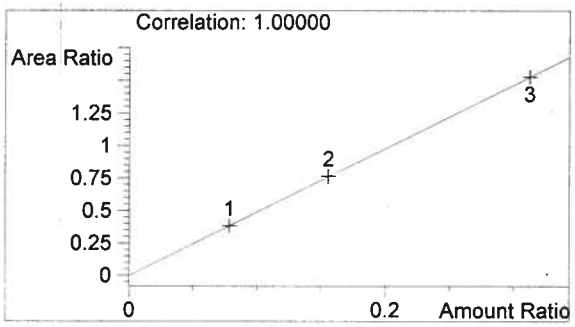
NEG CTRL JK
Justin Knoy

vial # 16

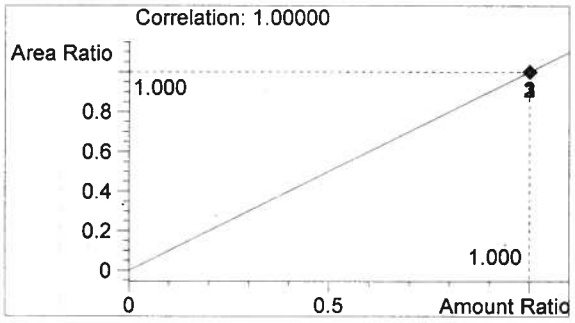



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1392 | 1.824 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

11054

| WSP-TLD | COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET |
|---|---|

**FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET**

Preparation Date: 12/6/2011 Initials of Preparer: CM

Expiration Date: 12/6/2012

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 11/14/11

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 | ☐ | |
| QAP 0.08 | 22.4 | 18 | ☐ | |
| QAP 0.10 | 28.1 | 18 | ☐ | |
| QAP 0.15 | 42.0 | 18 | ☐ | |
| ESS | 66.5 | 52 | ☑ | 11054 |

| | | |
|---|---|---|
| Stir bar is rotating | ☑ | |
| Stirred for minimum 30 minutes; 2 hours for ESS | ☑ | |
| Spigot purged | ☑ | |
| Aliquot taken | ☑ | |
| Batch labeled, packaged and sealed | ☑ | 12/6/2011 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

12/6/2011
Date