## *Notice of Simulator Solution File Review*

At the request of the State Toxicologist a review of the following simulator solution records has been accomplished. The following file consists of simulator solution analyses performed and completed by the State Toxicology Laboratory for a specific batch number. The file contains the simulator solution data entry form along with a file review record and the chromatograms generated by the Toxicology Laboratory during the analyses of the solutions. This file has been reviewed by Tpr. Ken Denton and Mr. Rod Gullberg for accuracy and completeness. Where computations regarding simulator solution values have been found to be incorrect, the corrected values have been written in by Mr. Rod Gullberg along with initials and date. The corrected values were then evaluated to ensure that the solution still conformed to those standards established by the State Toxicologist.

Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear on their original affidavit along with a statement regarding their review of the results.

Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.

K.L.D 10/1/2007

Tpr. Ken Denton Date

R.G.G 10-1-07

Rod G. Gullberg Date

## *Washington State Toxicology Laboratory*

## *Simulator Solution Data Entry Review Form*

Reviewer KEN DENTON / ROD GUMBERG Date 9-27-07

Location STATE TOX LAB SEATTLE Batch Number 07020

### *Form Review Criteria*

Preparation date precedes all analysis dates: Okay ___ Not Okay X

Data entry corresponds to all chromatograms: Okay ___ Not Okay ___

All signatures present: Okay X Not Okay ___

**Computations:**

Avg. solution concentration: Correct X Not Correct ___

Standard deviation: Correct X Not Correct ___

Range: Correct X Not Correct ___

Precision: Correct X Not Correct ___

Equivalent vapor concent.: Correct X Not Correct ___

External Control Information
(lot # and future date): Correct X Not Correct ___

Complies with accuracy and precision requirements established by the State Toxicologist: Yes X No ___

Corrections Necessary:
DATE OF ANALYSIS PRECEDES DATE OF PREPARATION

Comments:

Reviewer Signature: [signature] Date: 9-27-07

Reviewer Signature: [signature] Date: 9/27/2007

**WASHINGTON STATE TOXICOLOGY LABORATORY**
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

# Preparation and certification of **0.08** g/210L Quality Assurance solution

Batch number **07020**

Date: ~~7/12/2007~~ 7/11/07 BP 9.28.07

Preparation: 22.2 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

| | Anal 1 | Anal 2 | Anal 3 | Anal 4 | Anal 5 | Anal 6 | Anal 7 | Anal 8 | Anal 9 | Anal10 | Anal 11 | Anal 12 | Anal 13 | Anal14 | Anal 15 | Anal 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.096 | 0.096 | 0.096 | | | | | | | | | | | | | |
| 2 | 0.096 | 0.097 | 0.097 | | | | | | | | | | | | | |
| 3 | 0.096 | 0.097 | 0.097 | | | | | | | | | | | | | |
| 4 | 0.096 | 0.096 | 0.097 | | | | | | | | | | | | | |
| 5 | 0.096 | 0.097 | 0.097 | | | | | | | | | | | | | |
| Ctrl | 0.097 | 0.097 | 0.100 | | | | | | | | | | | | | |

**External Control:**
Lot #: A048730 Exp date: 3/2011
Target concentration: 0.10 g/100mL

**Statistics:**
Avg. solution concent.: 0.0965 g/100 mL
SD: 0.00052
Range (3xSD): 0.0950 to 0.0980
Precision CV (%): 0.5351 %

**Equivalent vapor concent.:** 0.0785 g/210L

| Analyst | Name | Signature | Date |
|---|---|---|---|
| 1 | Brianna Peterson | Brianna Peterson | 07/11/2007 |
| 2 | Brian Capron | Brian Capron | 07/11/2007 |
| 3 | Justin L Knoy | | 07/11/2007 |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |

Prepared by: Brianna Peterson according to the approved protocol

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 QUALITY ASSURANCE SOLUTION CERTIFICATION

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 two years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07020, was prepared in the Washington State Toxicology Laboratory on ~~7/12/2007~~ 7/11/2007 BP 10-1-07 I examined and tested this solution. The mean concentration of the alcohol was 0.0965 grams per 100ml.

Dated: 7/13/2007
Seattle, WA

Brianna Peterson
Brianna Peterson
Forensic Toxicologist

BP/jr
BPQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions. Brianna Peterson 10/1/07

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 QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Brian Capron, 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 nine years of experience in forensic toxicology.

7.11.2007

The quality assurance solution, Lot Number 07020, was prepared in the Washington State Toxicology Laboratory on ~~7/12/2007~~ (BC) 10.1.07. I examined and tested this solution. The mean concentration of the alcohol was 0.0965 grams per 100ml.

Dated: 7/13/2007
Seattle, WA

Brian Capron
Forensic Toxicologist

BC/jr
BCQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

Brian Capron 10.1.07

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

# DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

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.

7/11/07 JK 10/1/07

The quality assurance solution, Lot Number 07020, was prepared in the Washington State Toxicology Laboratory on ~~7/12/2007.~~ I examined and tested this solution. The mean concentration of the alcohol was 0.0965 grams per 100ml.

Dated: 7/13/2007
Seattle, WA

Justin L. Knoy
Forensic Toxicologist

JLK/jr
JKQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

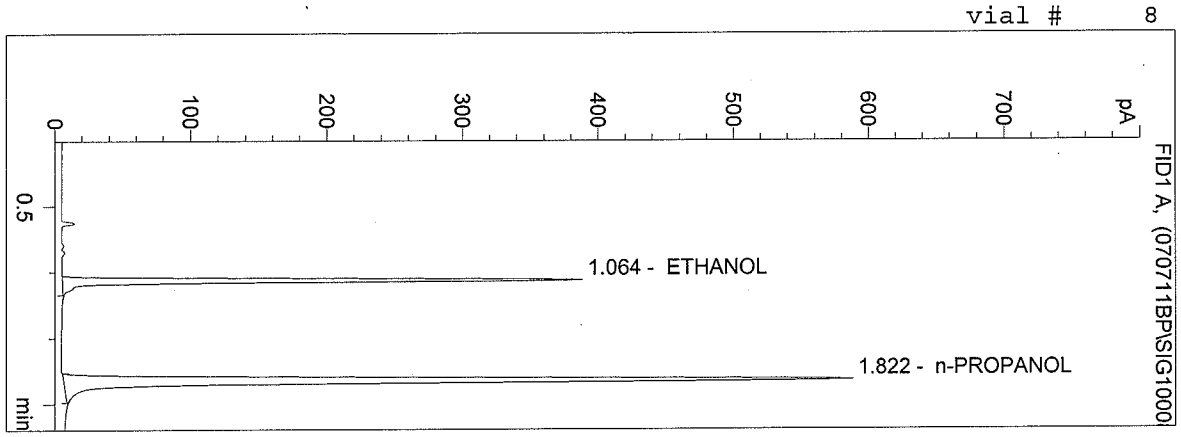
10/1/07

WASHINGTON STATE TOXICOLOGY LABORATORY

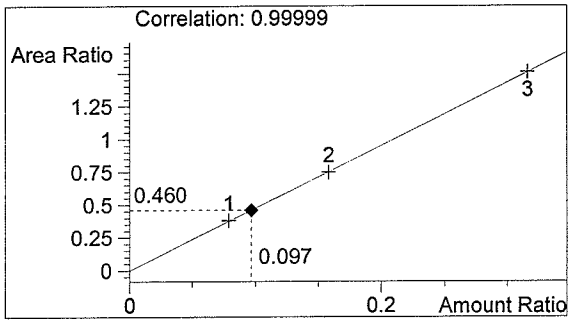
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 3:56:23 PM
Instrument 3
db-alc2

0.10 control bp
Brianna Peterson

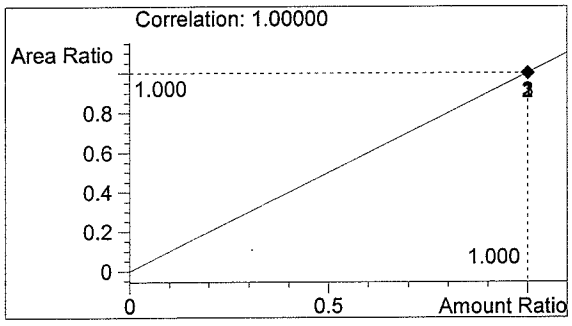
vial # 8




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 746 | 1.064 |
| 2 | n-PROPANOL | 1622 | 1.822 |
| Totals: | | | |




ETHANOL 0.097 g/100ml




n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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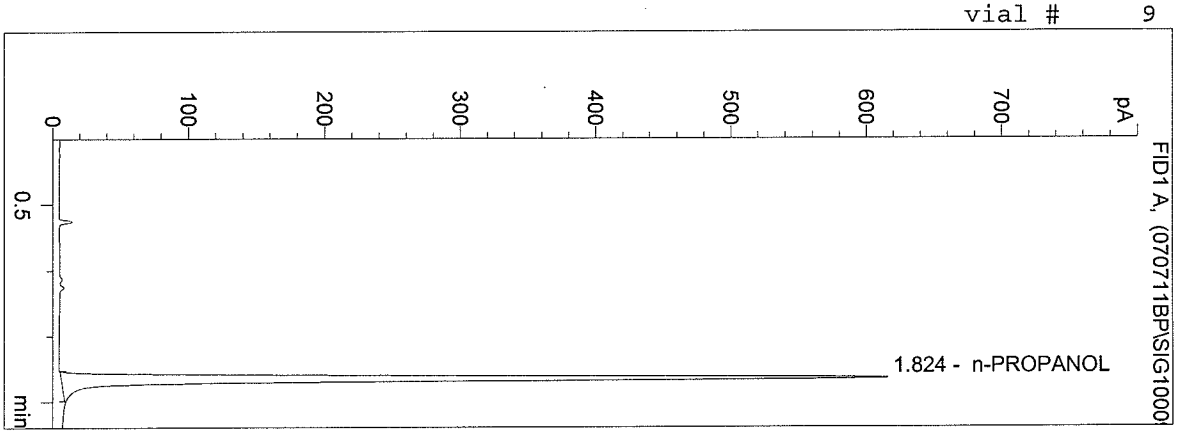
7/11/2007 3:59:30 PM
Instrument 3
db-alc2

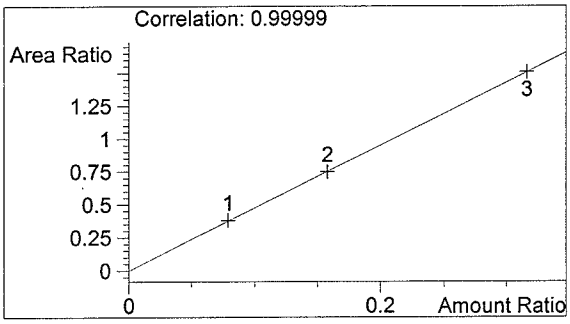
blank
Brianna Peterson

vial # 9

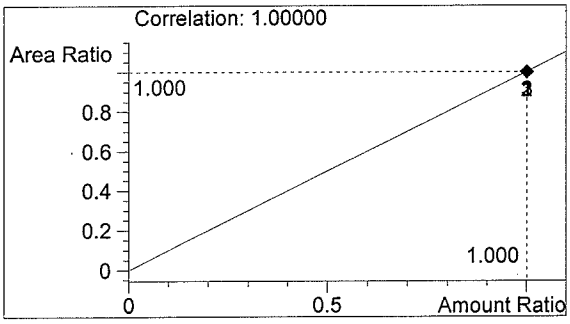



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 0 | 0.000 |
| 2 | n-PROPANOL | 1701 | 1.824 |

Totals:




ETHANOL 0.000 g/100ml



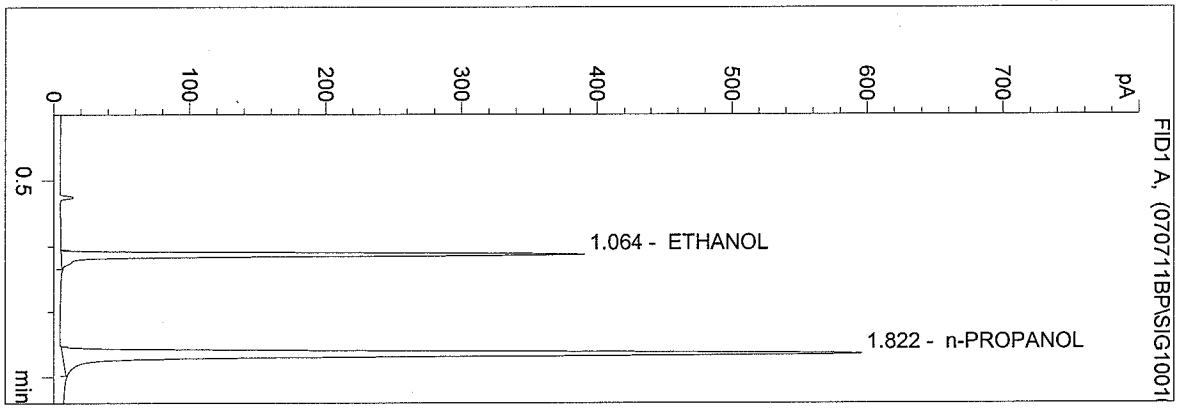

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 4:02:37 PM
Instrument 3
db-alc2

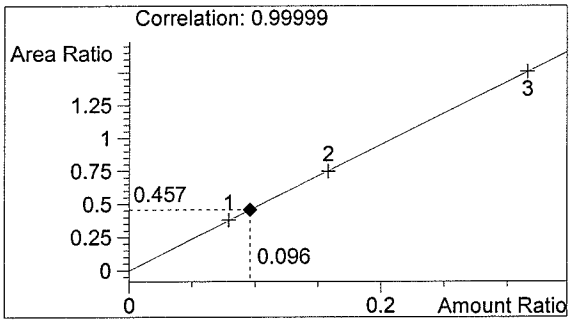
07020
Brianna Peterson

vial # 10

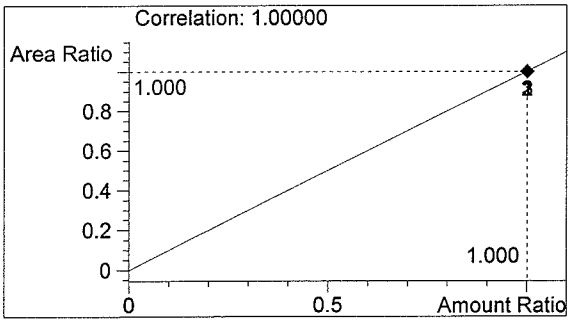



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 750 | 1.064 |
| 2 | n-PROPANOL | 1642 | 1.822 |

Totals:




ETHANOL 0.096 g/100ml

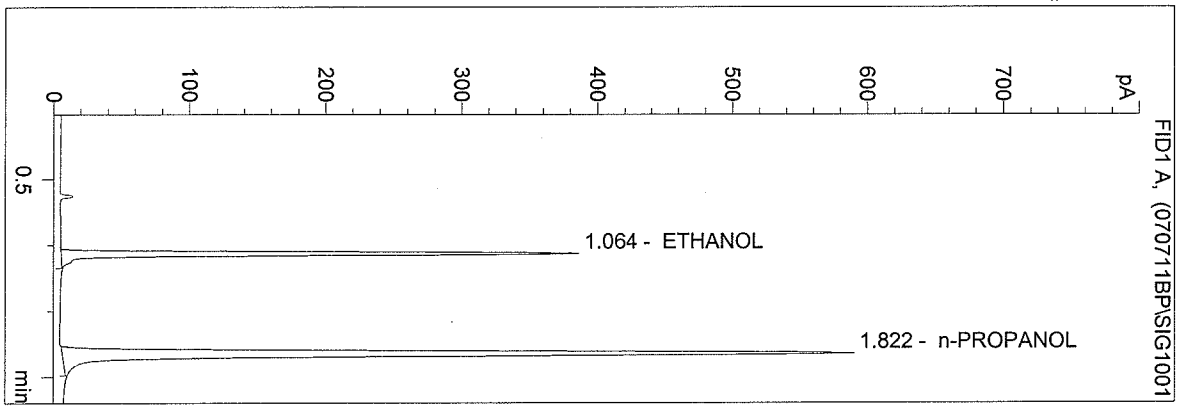



n-PROPANOL 1.000 g/100ml

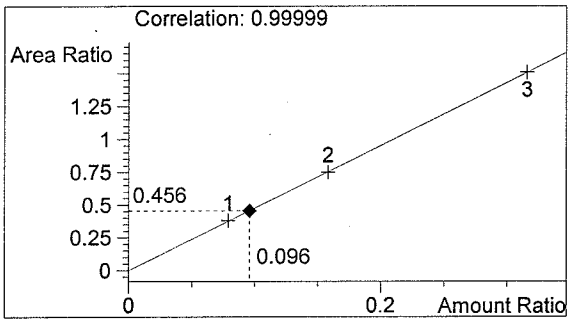
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 4:05:44 PM 07020
Instrument 3 Brianna Peterson
db-alc2

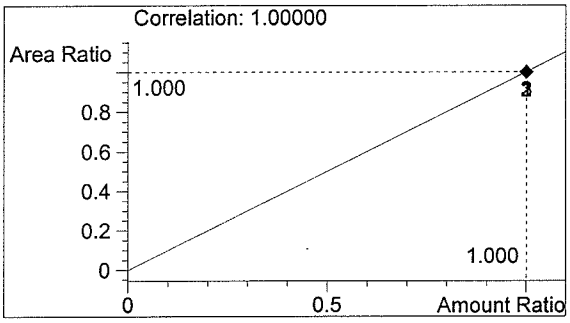
vial # 11




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 740 | 1.064 |
| 2 | n-PROPANOL | 1622 | 1.822 |
| Totals: | | | |




ETHANOL 0.096 g/100ml



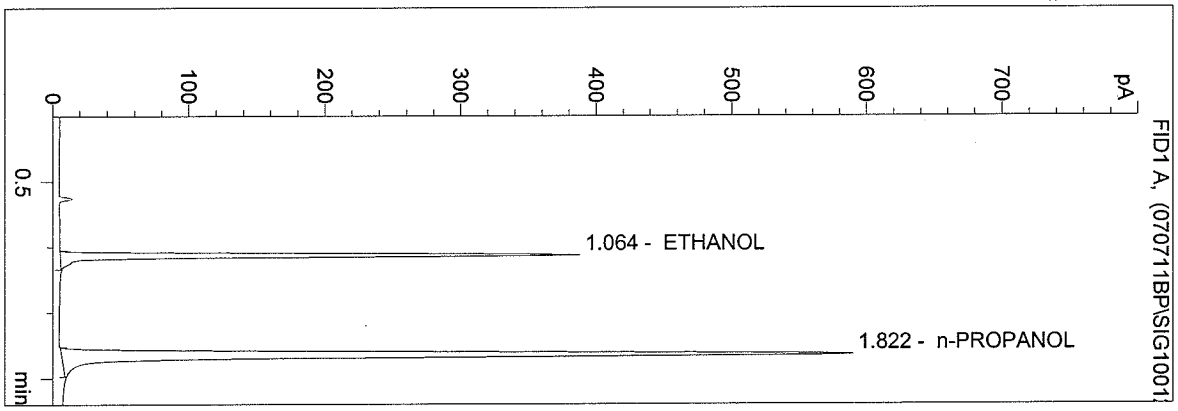

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 4:08:51 PM
Instrument 3
db-alc2

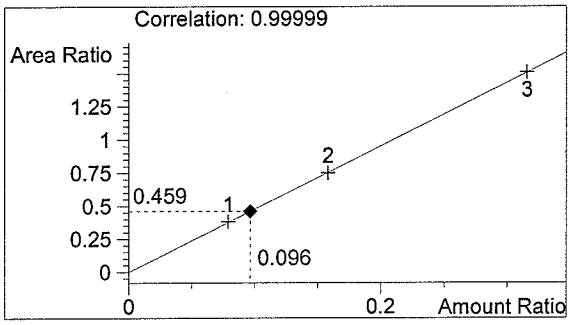
07020
Brianna Peterson

vial # 12

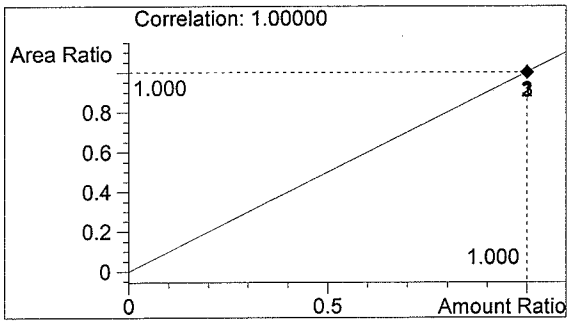



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 745 | 1.064 |
| 2 | n-PROPANOL | 1623 | 1.822 |

Totals:




ETHANOL 0.096 g/100ml



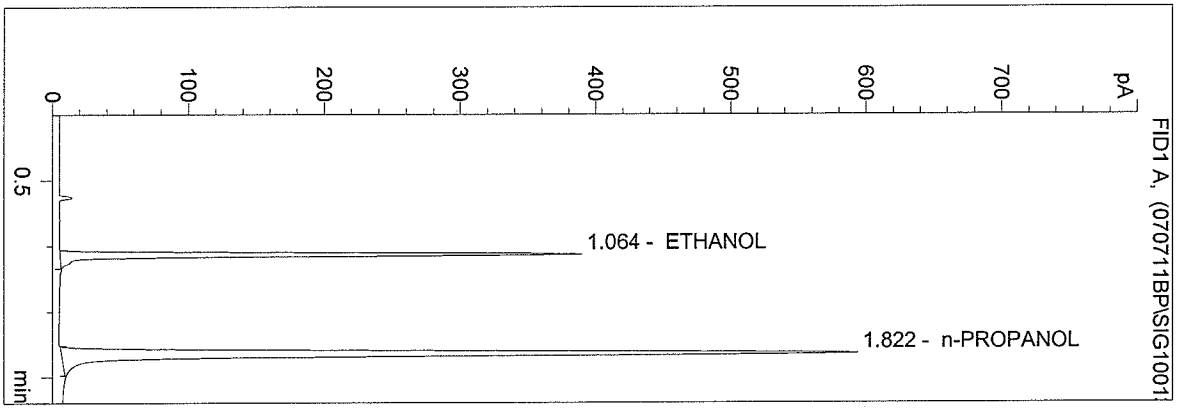

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

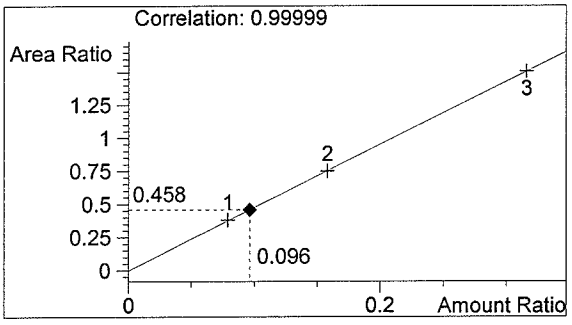
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 4:11:58 PM
Instrument 3
db-alc2

07020
Brianna Peterson

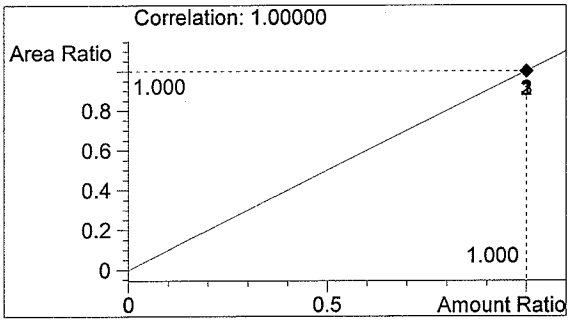
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 747 | 1.064 |
| 2 | n-PROPANOL | 1632 | 1.822 |
| Totals: | | | |




ETHANOL 0.096 g/100ml



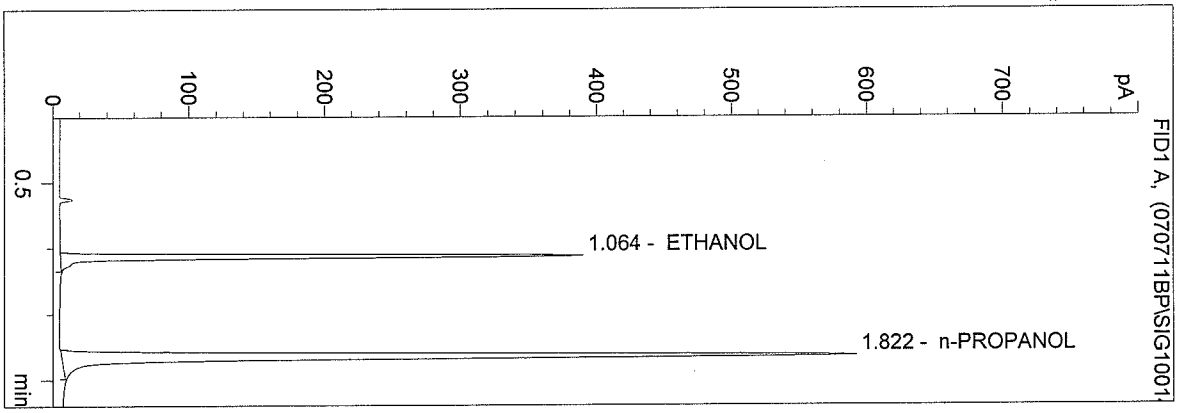

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 4:15:06 PM
Instrument 3
db-alc2

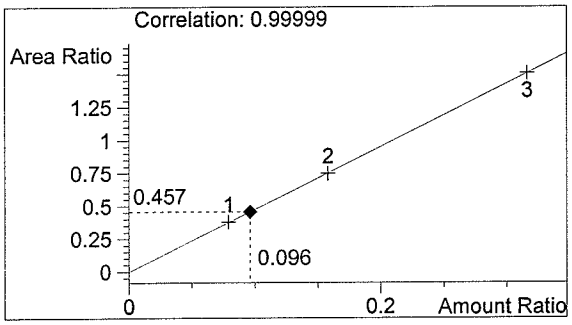
07020
Brianna Peterson

vial # 14

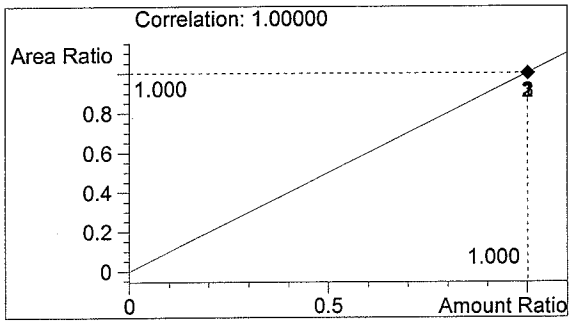



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 745 | 1.064 |
| 2 | n-PROPANOL | 1630 | 1.822 |

Totals:




ETHANOL 0.096 g/100ml



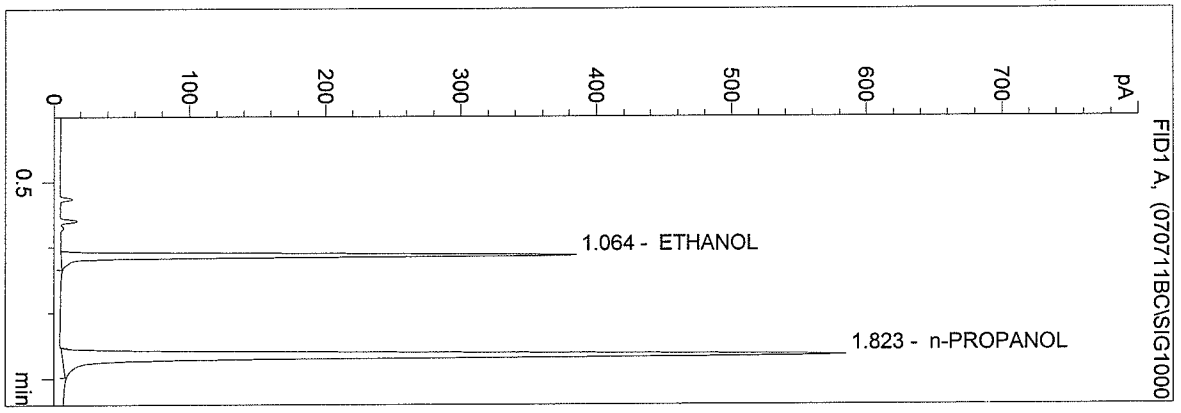

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

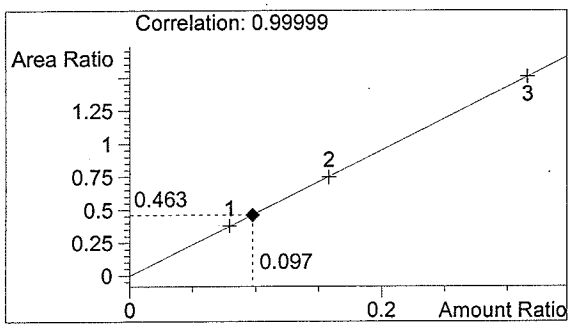
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:15:14 PM
Instrument 3
db-alc2

0.10 control bc
bcapron

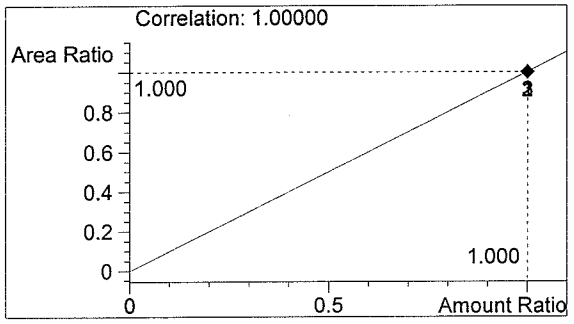
vial # 8




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 751 | 1.064 |
| 2 | n-PROPANOL | 1621 | 1.823 |
| Totals: | | | |




ETHANOL 0.097 g/100ml



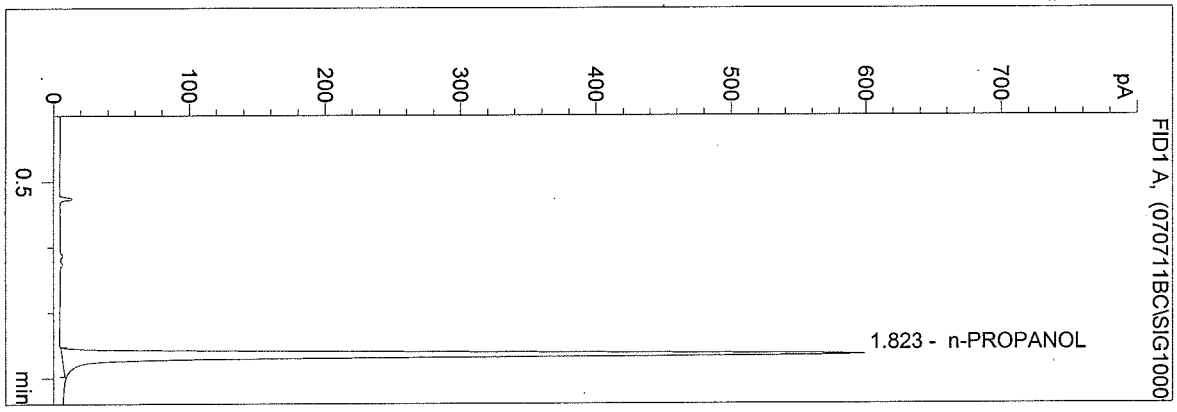

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:18:21 PM
Instrument 3
db-alc2

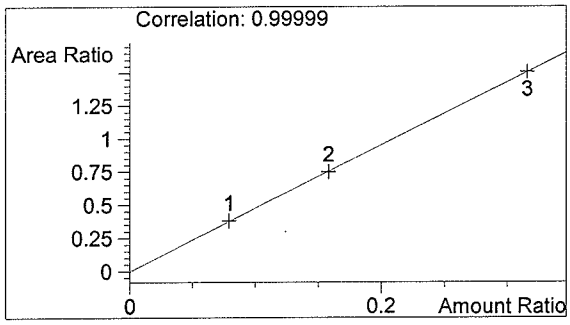
blank
bcapron

vial # 9

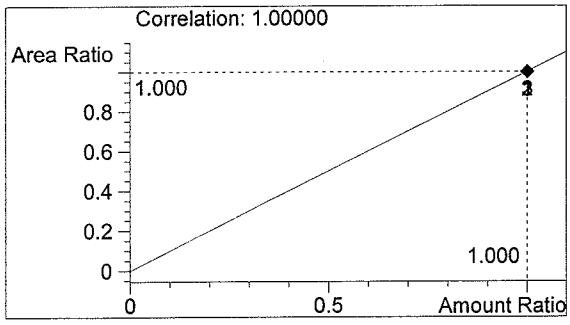



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 0 | 0.000 |
| 2 | n-PROPANOL | 1661 | 1.823 |

Totals:




ETHANOL 0.000 g/100ml



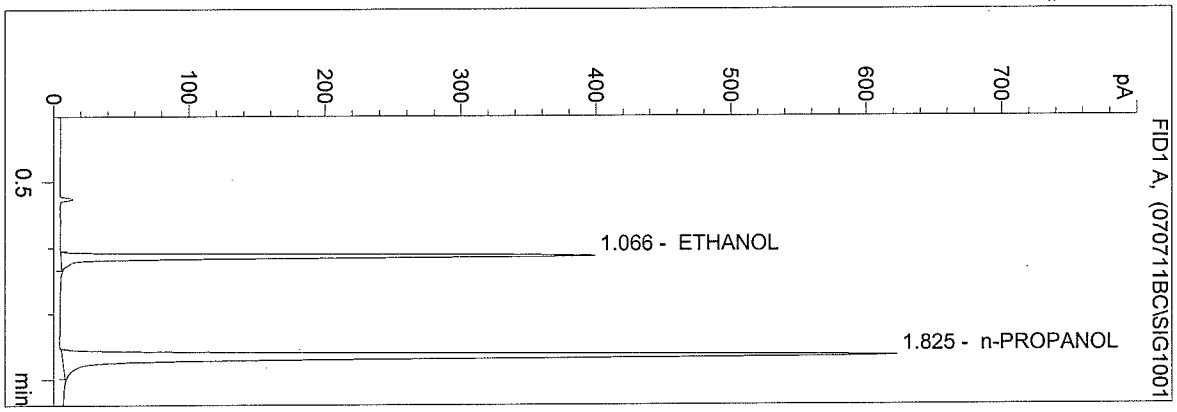

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:21:28 PM
Instrument 3
db-alc2

07020
bcapron

vial # 10




| # | Compound | Area | RT |
|---|---|---|---|
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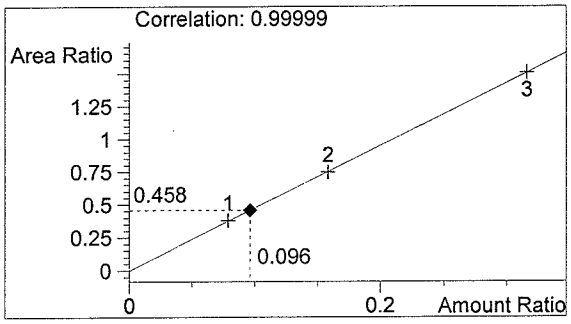
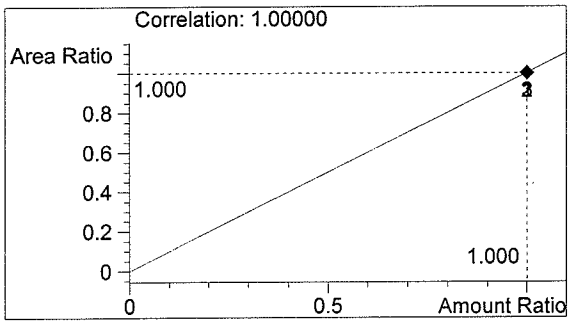
| 2 | n-PROPANOL | 1726 | 1.825 |

Totals:




ETHANOL 0.096 g/100ml

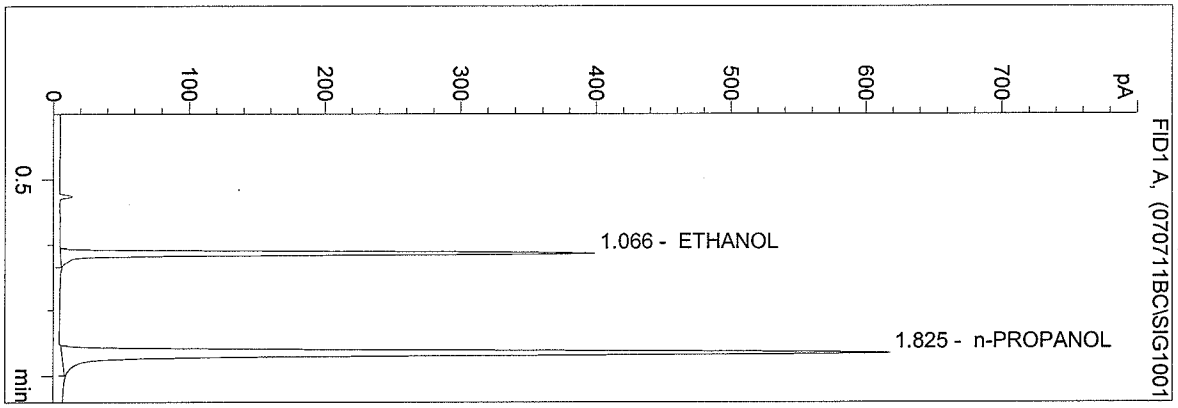



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

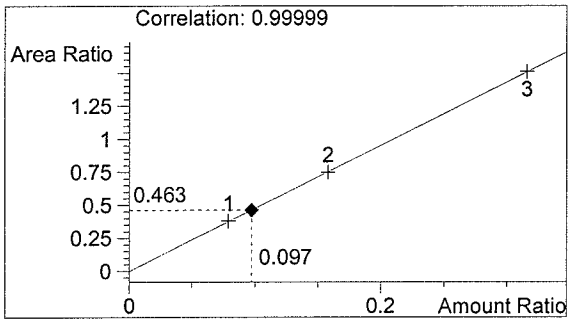
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:24:35 PM 07020
Instrument 3 bcapron
db-alc2

vial # 11

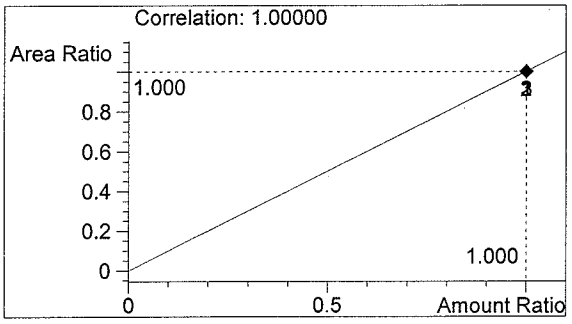



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 792 | 1.066 |
| 2 | n-PROPANOL | 1711 | 1.825 |

Totals:




ETHANOL 0.097 g/100ml



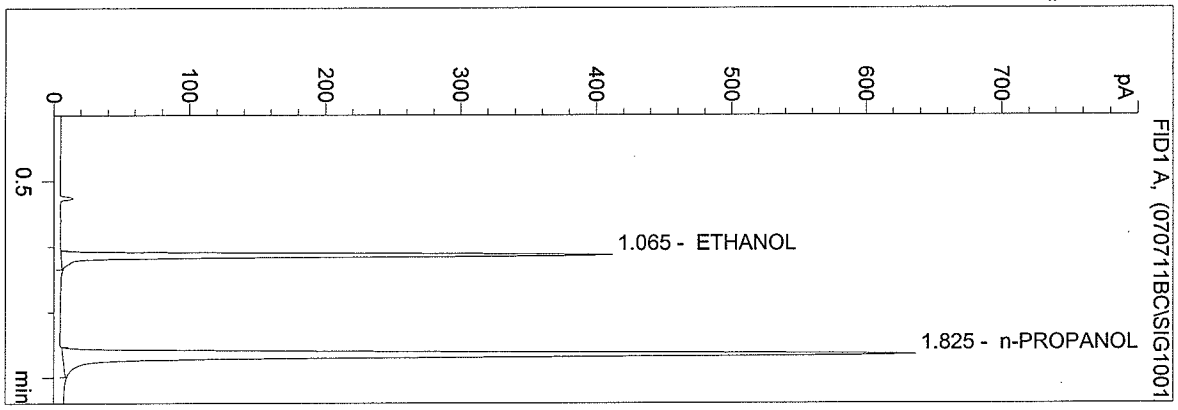

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

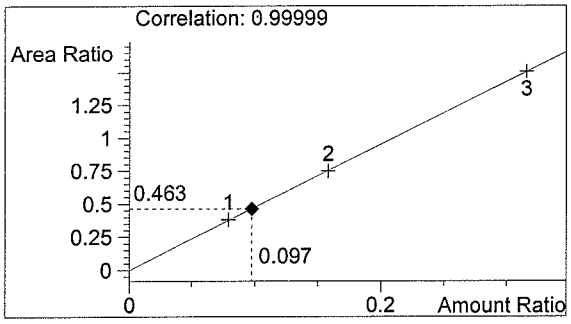
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:27:42 PM
Instrument 3
db-alc2

07020
bcapron

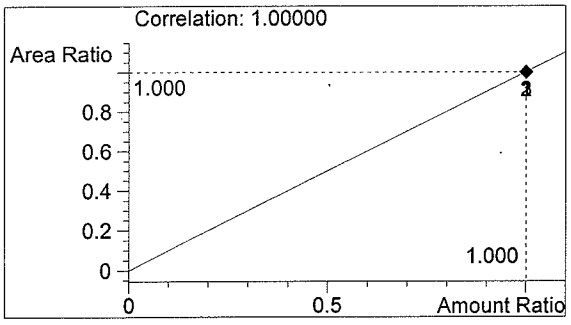
vial # 12




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 818 | 1.065 |
| 2 | n-PROPANOL | 1765 | 1.825 |
| Totals: | | | |




ETHANOL 0.097 g/100ml

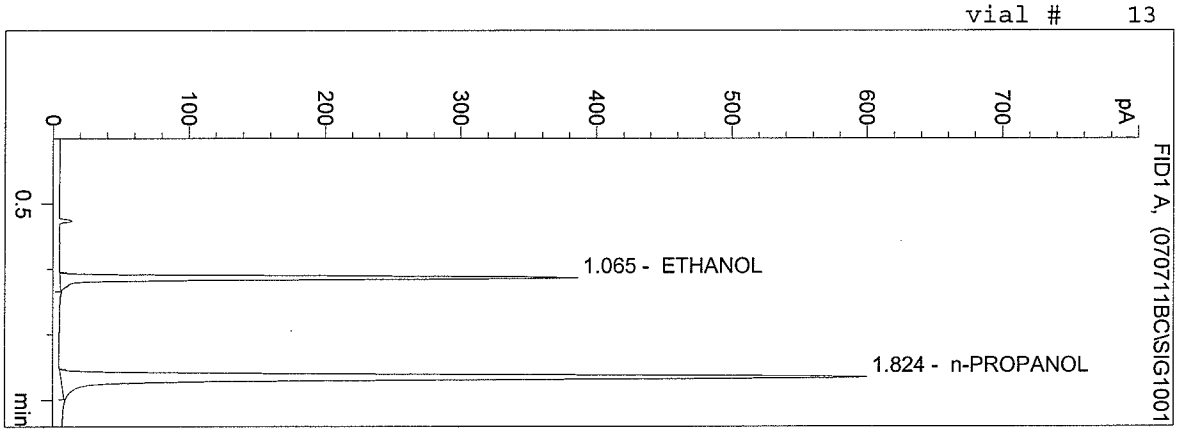



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

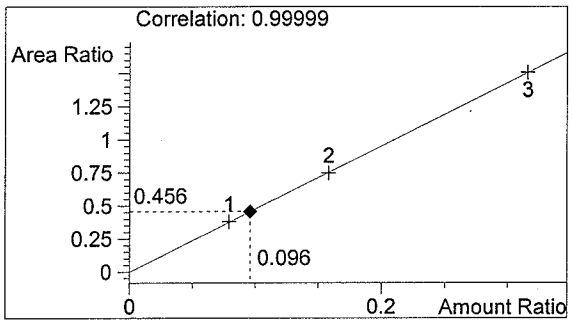
C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:30:49 PM 07020
Instrument 3 bcapron
db-alc2

vial # 13

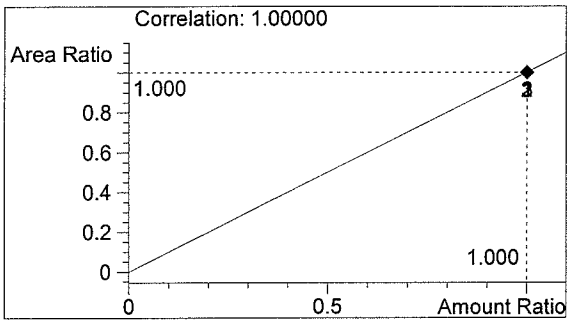



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 759 | 1.065 |
| 2 | n-PROPANOL | 1663 | 1.824 |

Totals:




ETHANOL 0.096 g/100ml



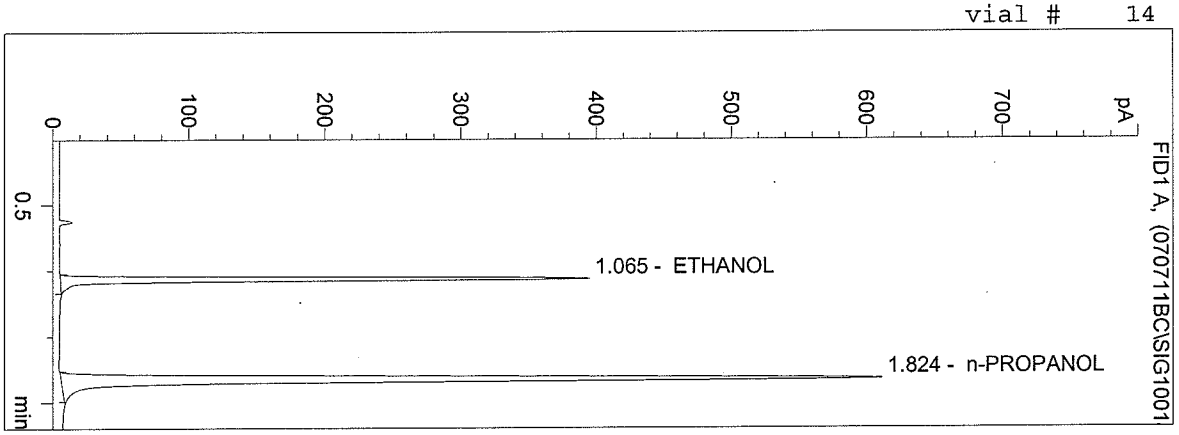

n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
7/11/2007 1:33:56 PM
Instrument 3
db-alc2

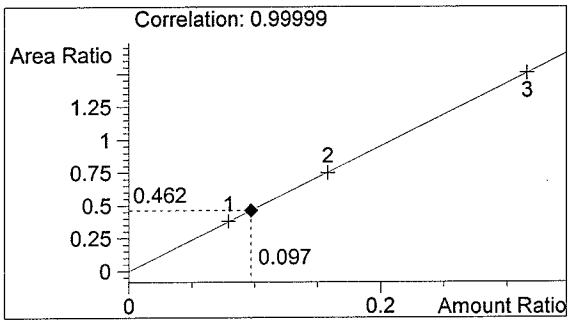
07020
bcapron

vial # 14

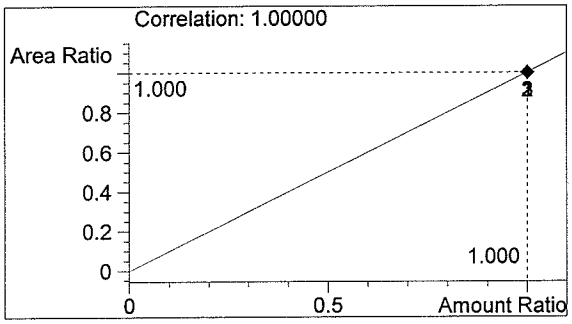



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 786 | 1.065 |
| 2 | n-PROPANOL | 1701 | 1.824 |

Totals:




ETHANOL 0.097 g/100ml




n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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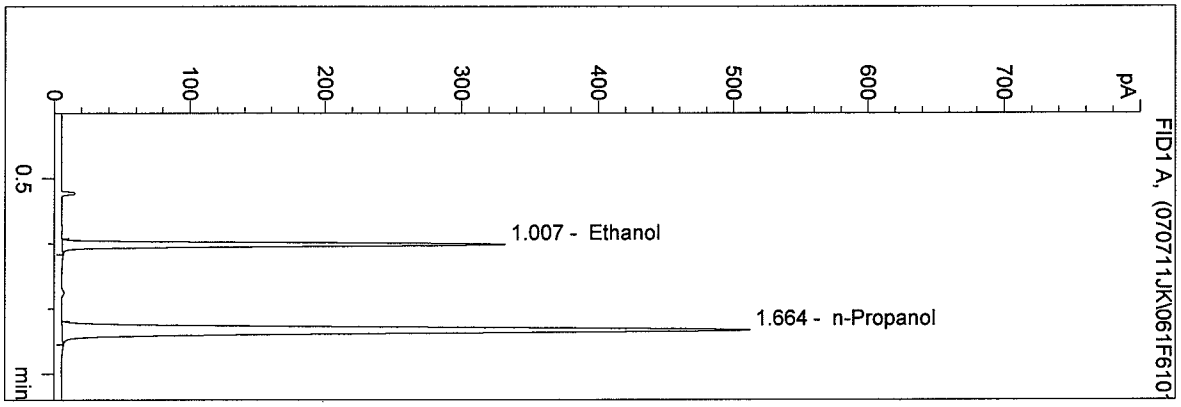
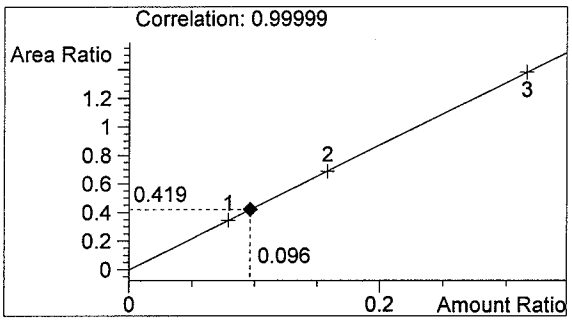
7/11/2007 5:46:49 PM 07020-1
Instrument 4 Justin Knoy
DB-ALC1

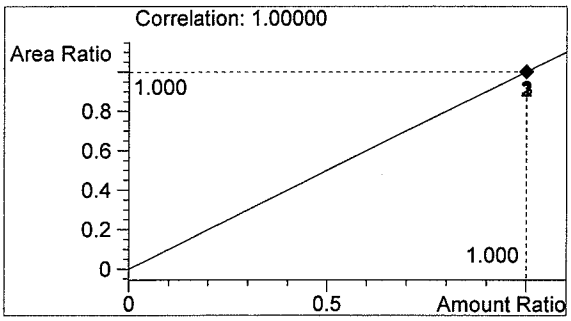
vial # 61




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 668 | 1.007 |
| 2 | n-Propanol | 1593 | 1.664 |
| Totals: | | | |




Ethanol 0.096 g/100ml

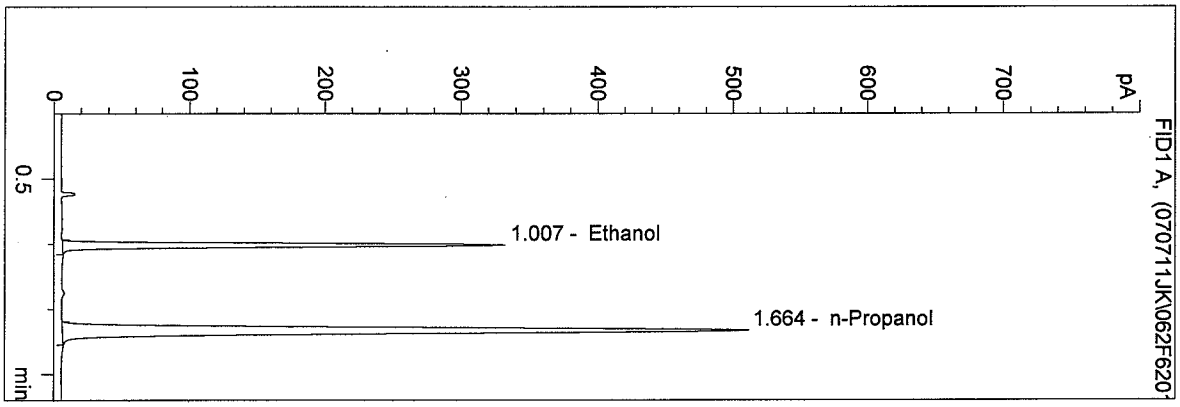



n-Propanol 1.000 g/100ml

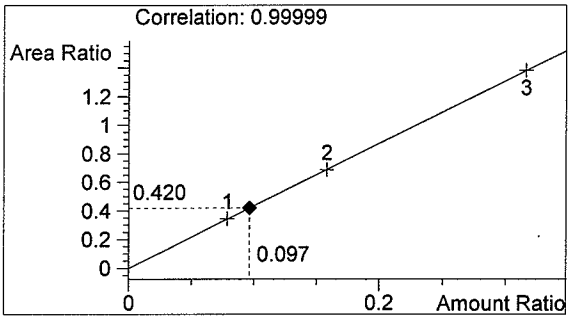
WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 5:50:09 PM 07020-2
Instrument 4 Justin Knoy
DB-ALC1

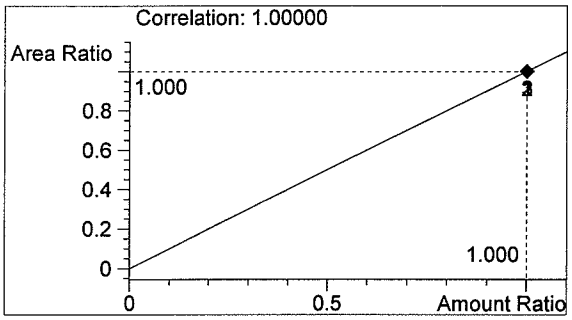
vial # 62




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 666 | 1.007 |
| 2 | n-Propanol | 1586 | 1.664 |
| Totals: | | | |




Ethanol 0.097 g/100ml



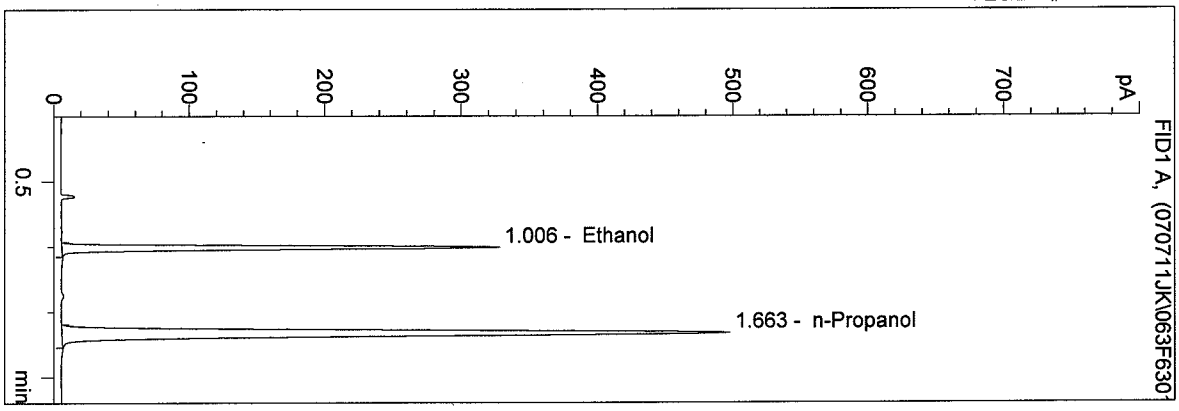

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

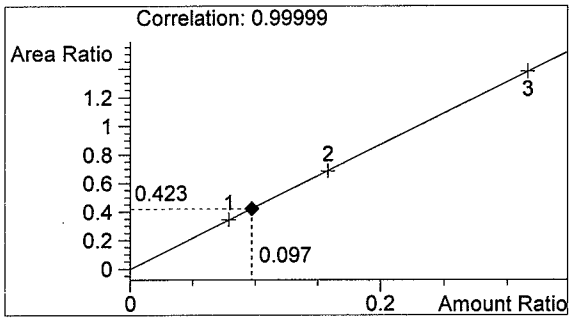
D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 5:53:28 PM
Instrument 4
DB-ALC1

07020-3
Justin Knoy

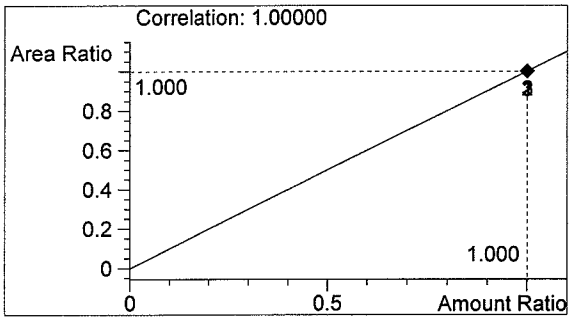
vial # 63




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 651 | 1.006 |
| 2 | n-Propanol | 1541 | 1.663 |
| Totals: | | | |




Ethanol 0.097 g/100ml

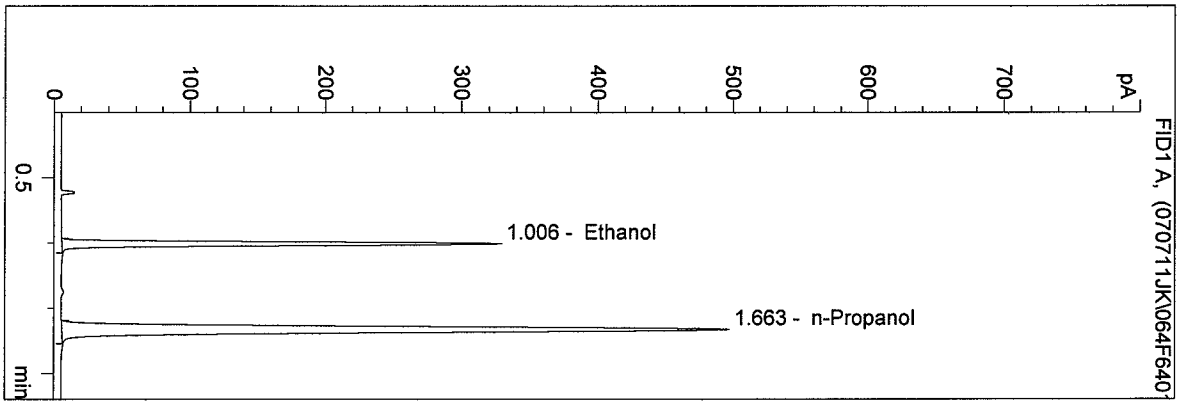



n-Propanol 1.000 g/100ml

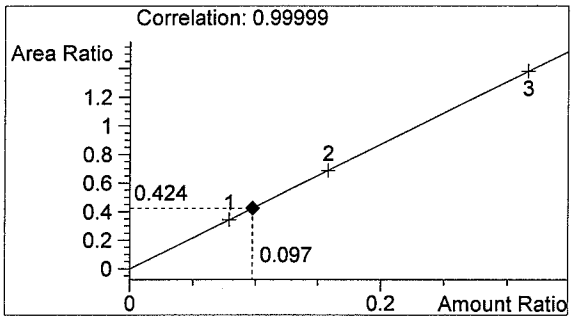
WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 5:56:47 PM 07020-4
Instrument 4 Justin Knoy
DB-ALC1

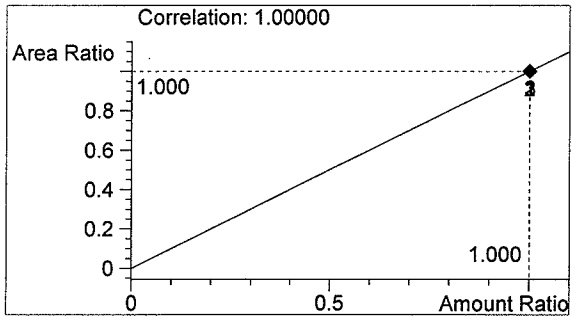
vial # 64




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 652 | 1.006 |
| 2 | n-Propanol | 1538 | 1.663 |
| Totals: | | | |




Ethanol 0.097 g/100ml

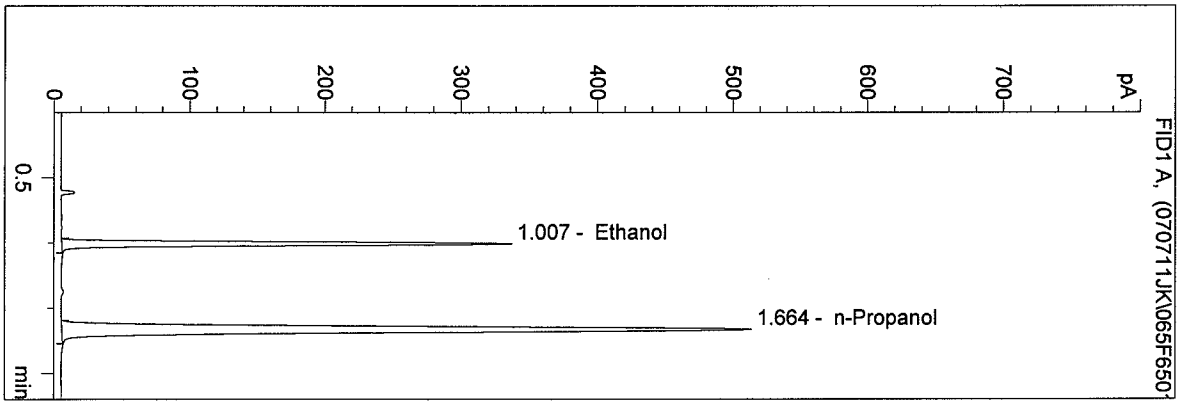



n-Propanol 1.000 g/100ml

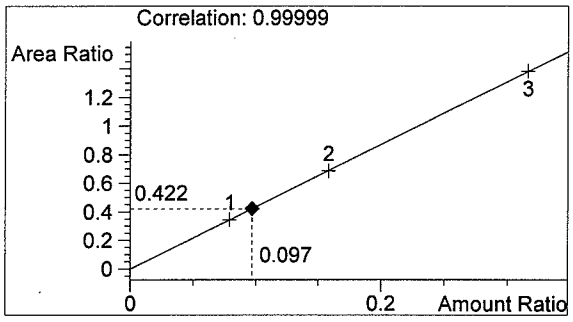
WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 6:00:04 PM 07020-5
Instrument 4 Justin Knoy
DB-ALC1

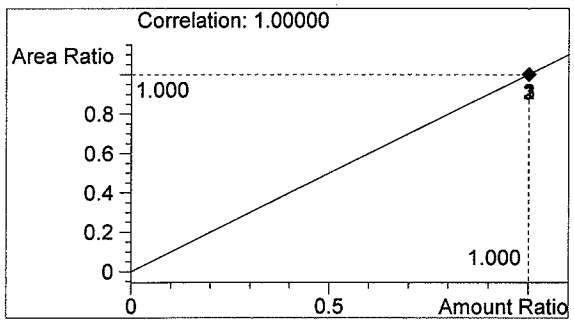
vial # 65




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 673 | 1.007 |
| 2 | n-Propanol | 1595 | 1.664 |
| Totals: | | | |




Ethanol 0.097 g/100ml



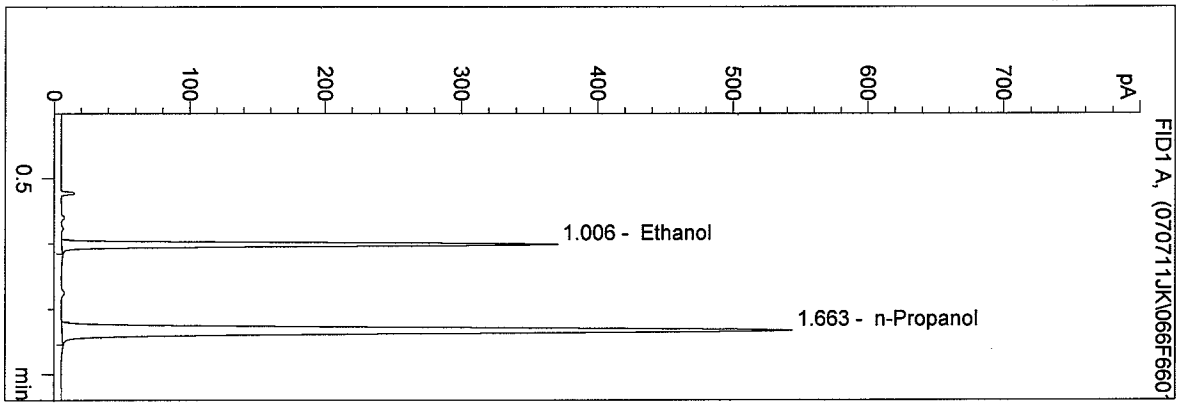

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

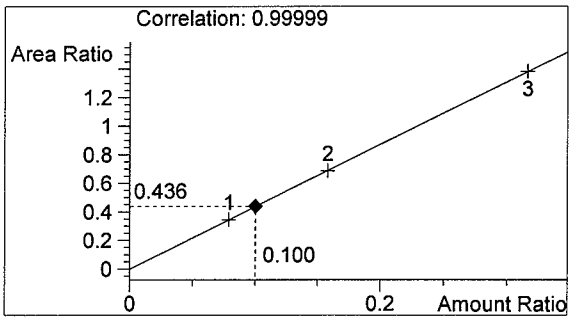
D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 6:03:19 PM
Instrument 4
DB-ALC1

0.10 CTRL JK
Justin Knoy

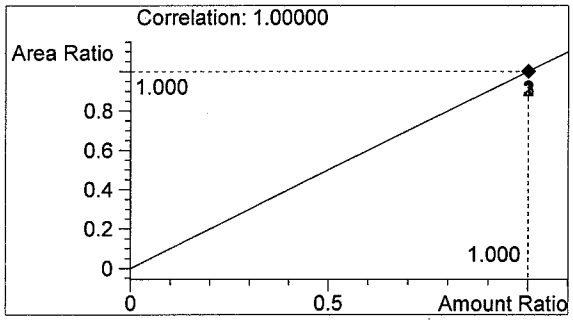
vial # 66




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 733 | 1.006 |
| 2 | n-Propanol | 1679 | 1.663 |
| Totals: | | | |




Ethanol 0.100 g/100ml



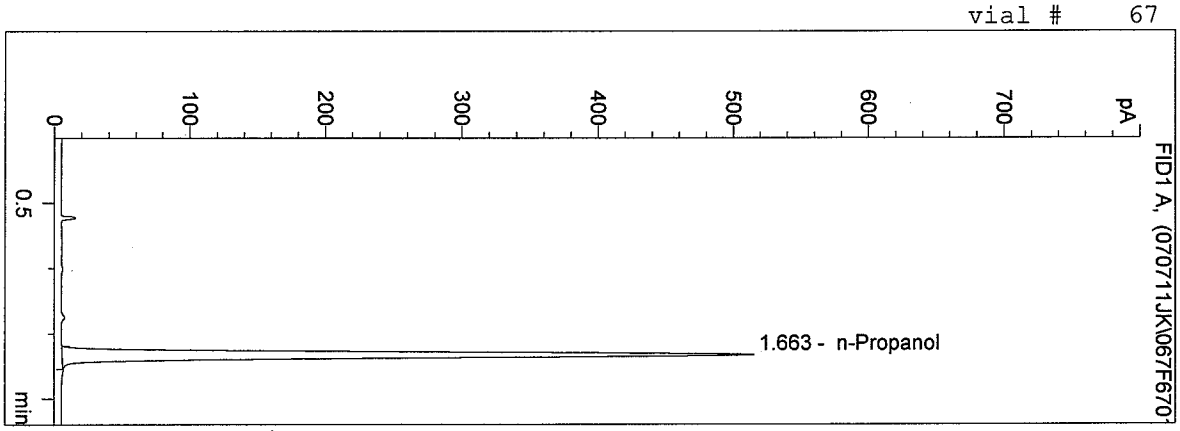

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

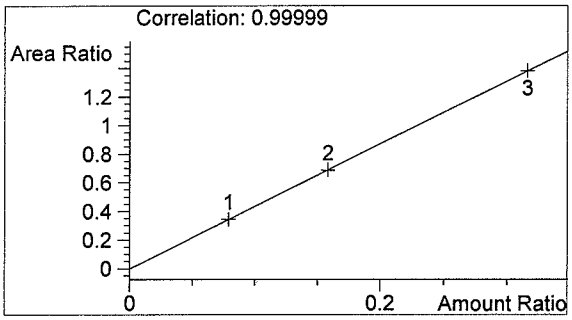
D:\HPCHEM\1\METHODS\BLDALCO.M
7/11/2007 6:06:35 PM
Instrument 4
DB-ALC1

blank
Justin Knoy

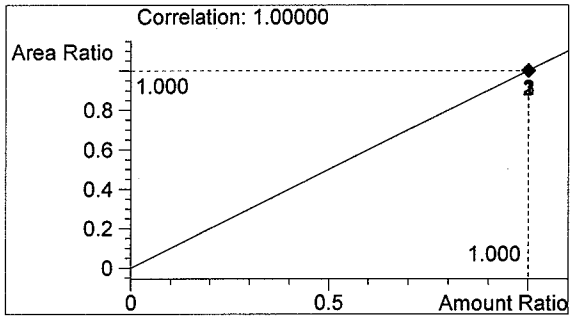
vial # 67




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 1591 | 1.663 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml