

**WASHINGTON STATE TOXICOLOGY LABORATORY  
SIMULATOR SOLUTION DATA ENTRY REVIEW**



Reviewer/s: KENDRICK / POA GULLBERG Date: 5-27-2008  
 Location: POA LAB SEATTLE Solution Batch Number: 08020

	YES	NO	N/A
Preparation date precedes all analysis dates:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Analysis sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Avg. solution concentration correct?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Range correct if applicable:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blank Chromatograms included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Control information correct: (lot # present and future date)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV% Correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reviewed for outliers per policy and none found?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			

Reviewer Signature: [Signature] Date: 5-27-08  
 Reviewer Signature: [Signature] Date: 5-27-2008

**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

**QUALITY ASSURANCE SOLUTION DATABASE**

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

Batch number **08020**

Date prepared: 04/10/2008

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

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

	Analyst 1	Analyst 2	Analyst 3
1	0.101	0.101	0.098
2	0.102	0.101	0.099
3	0.101	0.102	0.097
4	0.101	0.102	0.097
5	0.101	0.101	0.097
Ctrl	0.102	0.103	0.098

**Statistics:**  
 Avg. solution concent.: 0.1001 g/100 mL  
 SD: 0.00191  
 Range (3.8XSD): 0.0929 to 0.1073  
 Precision CV (%): 1.9055 %

**External Control:**  
 Lot #: A050528 Exp date: 07 / 2011  
 Analyst 3 A056938 04 2012  
 Target concentration: 0.10 g/100mL

**Equivalent vapor concent.:** 0.0814 g/210L

Analyst	Name	Signature	Date Tested
1	Rebecca Flaherty	<i>Rebecca Flaherty</i>	04/10/2008
2	Christie Mitchell	<i>Christie Mitchell</i>	04/17/2008
3	Brianna Peterson	<i>Brianna Peterson</i>	04/25/2008

Prepared by: Rebecca Flaherty according to the approved protocol.

Final review by: MP

### Batch Worksheet Check Off

Please check the data entered into the worksheet is correct and that the date to the right of your name is the date that you tested the solution and then sign the worksheet.

Please initial below to affirm that you have:

- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Amanda Black	
Asa Louis	
Brian Capron	
Brianna Peterson <i>BP</i>	<i>5/8/08</i>
Brianne Akins	
Brittany Ball	
Christie Mitchell <i>CM</i>	<i>5/8/08</i>
Christopher Johnston	
Erin Kolbrich	
Estuardo Miranda	
Gwynyth Scherperel	
Justin Knoy	
Lisa Noble	
Melissa Pemberton	
Naziha Nuwayhid	
Rebecca Flaherty <i>Rebecca Flaherty</i>	<i>05/08/08</i>
Sarah Swenson	

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 FOR LOT 08020

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 08020, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

Brianna Peterson      5/8/08  
Brianna Peterson      Date  
Forensic Toxicologist

BP/jr  
BPQA



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION FOR LOT 08020


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 quality assurance solution, Lot Number 08020, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

 05/08/08  
Rebecca Flaherty Date  
Forensic Toxicologist

RF/jr  
RFQA



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION FOR LOT 08020

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 and MFS degree in Forensic Science.

The quality assurance solution, Lot Number 08020, was prepared in the Washington State Toxicology Laboratory on 4/10/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 4/10/2009.

Seattle, WA

*Christie Mitchell* 5/18/2008  
Christie Mitchell Date  
Forensic Toxicologist

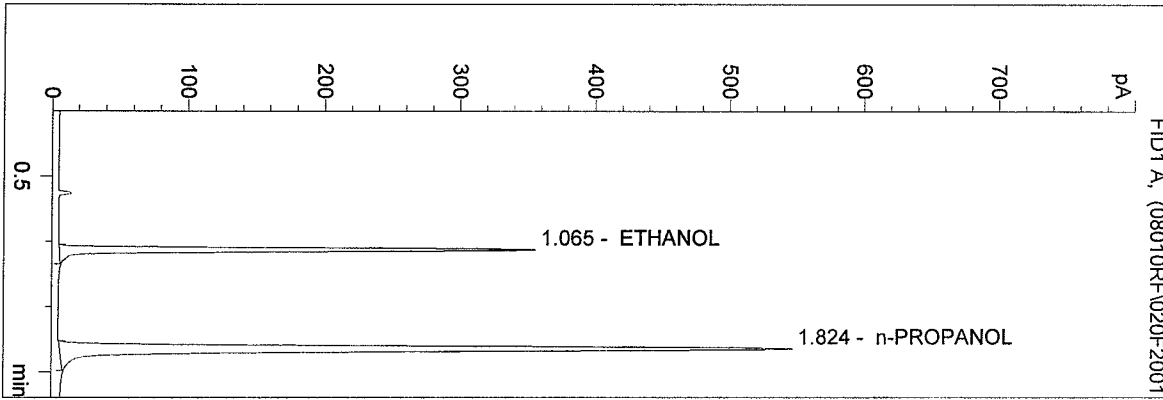
CM/jr  
CMQA



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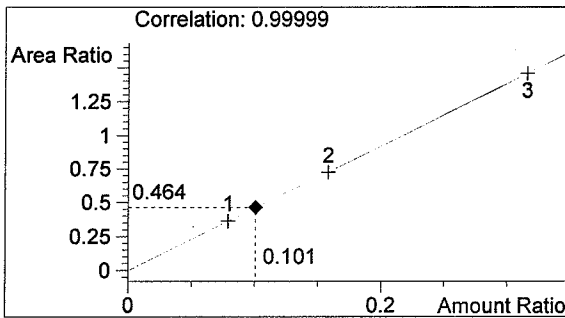
QA08020-1  
 Rebecca Flaherty

vial # 20



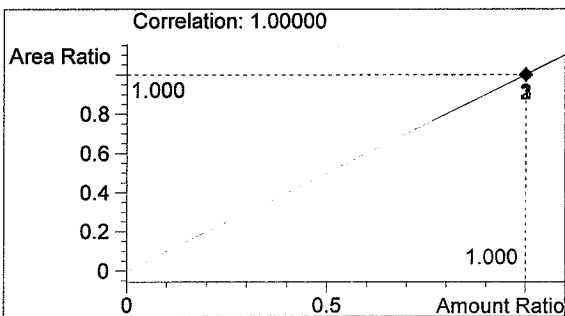
#	Compound	Area	RT
1	ETHANOL	704	1.065
2	n-PROPANOL	1516	1.824

Totals:



ETHANOL

0.101 g/100ml



n-PROPANOL

1.000 g/100ml

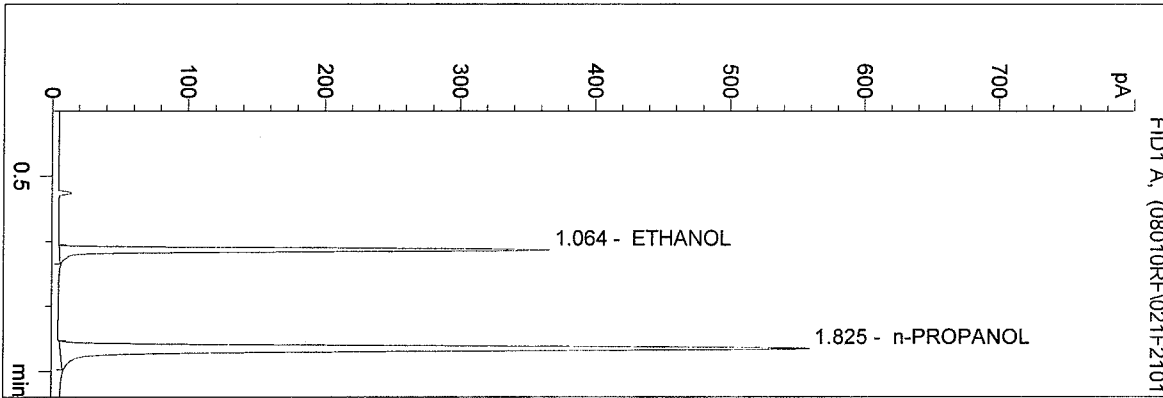
RF

Calibration filed with QA08019  
 RF 04/10/08

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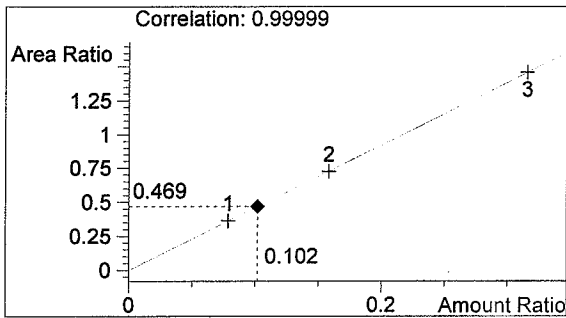
QA08020-2  
 Rebecca Flaherty

vial # 21



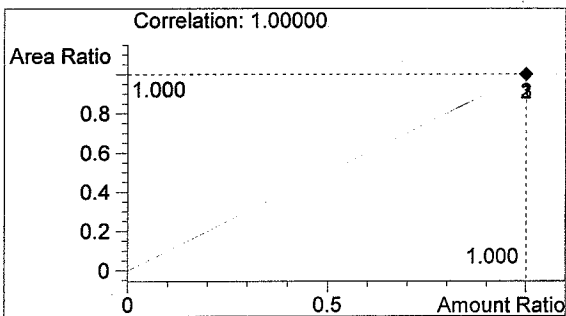
#	Compound	Area	RT
1	ETHANOL	727	1.064
2	n-PROPANOL	1550	1.825

Totals:



ETHANOL

0.102 g/100ml



n-PROPANOL

1.000 g/100ml

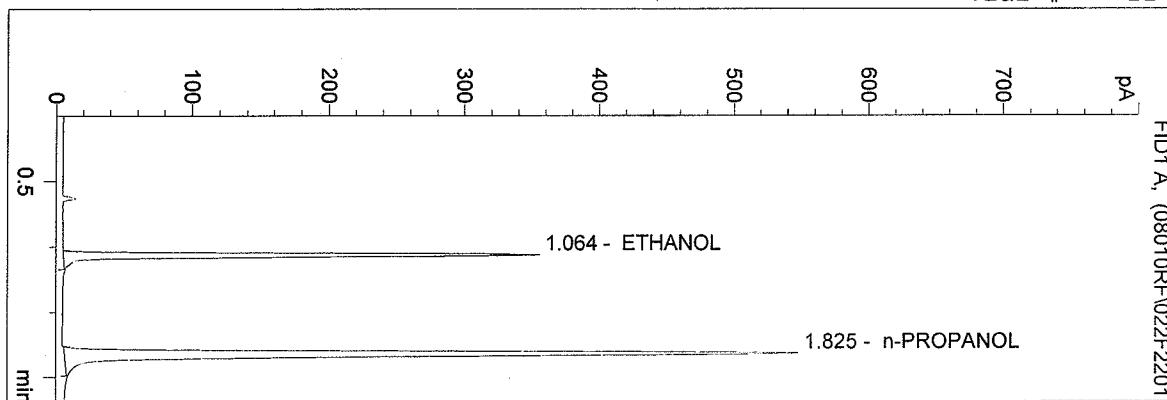
RF



C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/10/2008 12:04:46 PM  
 Instrument 3  
 db-alc2

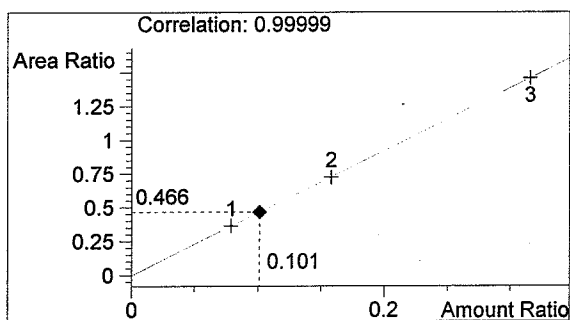
QA08020-3  
 Rebecca Flaherty

vial # 22



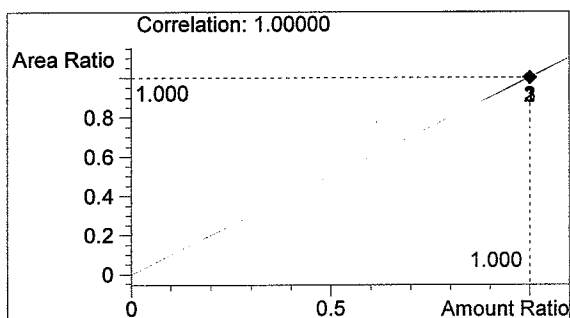
#	Compound	Area	RT
1	ETHANOL	707	1.064
2	n-PROPANOL	1517	1.825

Totals:



ETHANOL

0.101 g/100ml



n-PROPANOL

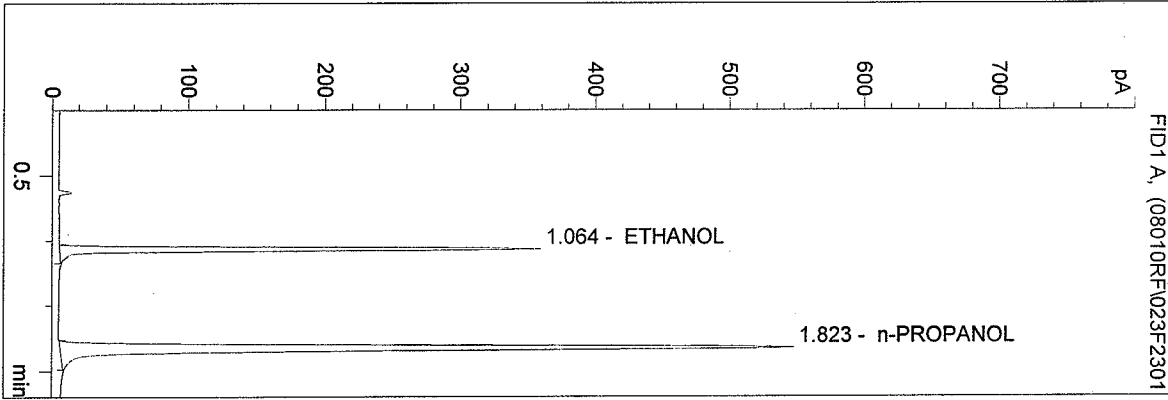
1.000 g/100ml

RF

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 Instrument 3  
 db-alc2

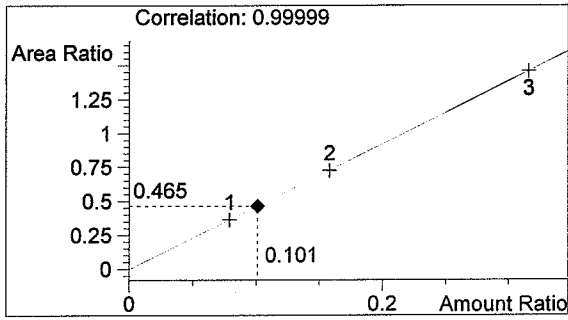
QA08020-4  
 Rebecca Flaherty

vial # 23

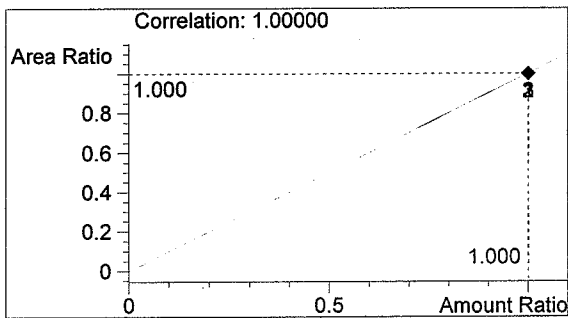


#	Compound	Area	RT
1	ETHANOL	705	1.064
2	n-PROPANOL	1517	1.823

Totals:



0.101 g/100ml



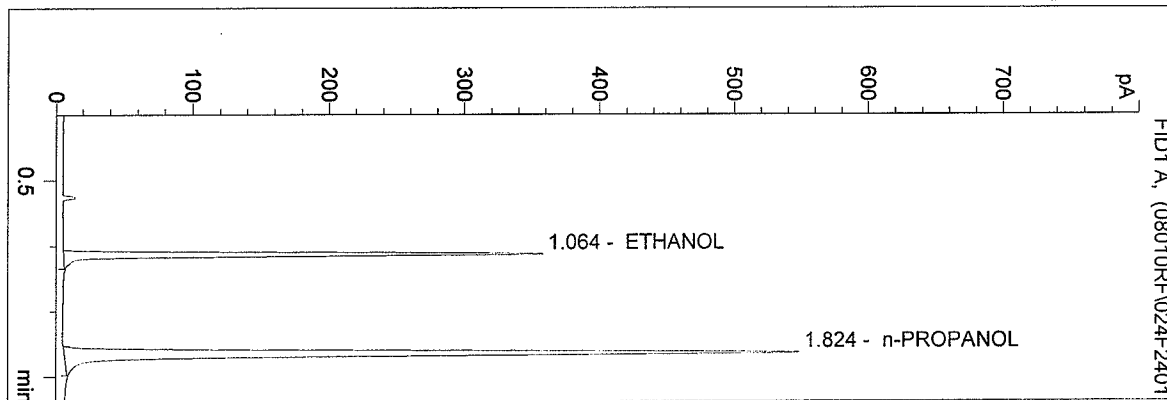
1.000 g/100ml

RF

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 Instrument 3  
 db-alc2

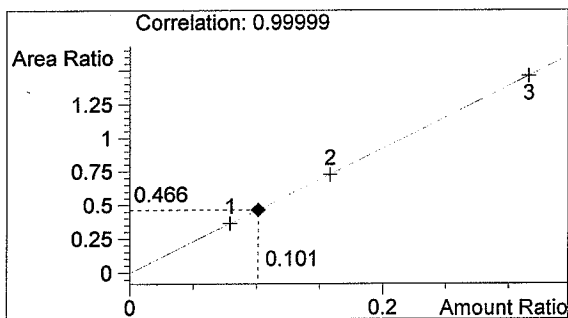
QA08020-5  
 Rebecca Flaherty

vial # 24



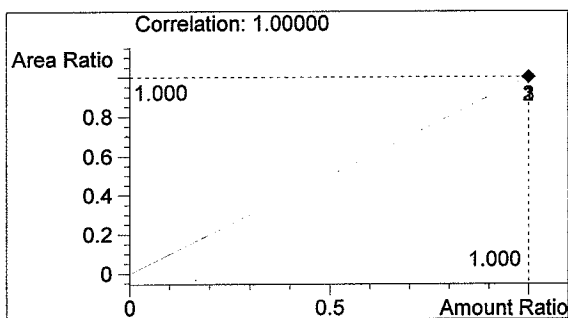
#	Compound	Area	RT
1	ETHANOL	707	1.064
2	n-PROPANOL	1519	1.824

Totals:



ETHANOL

0.101 g/100ml



n-PROPANOL

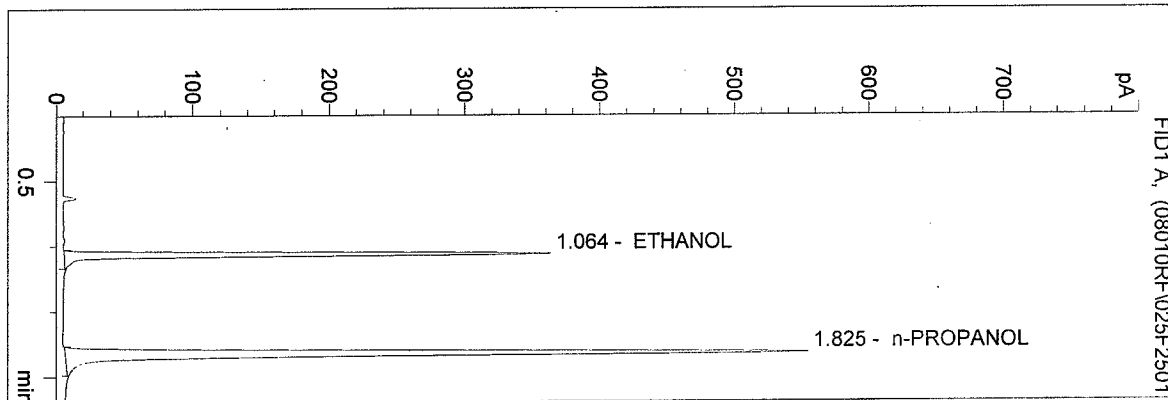
1.000 g/100ml

RF

C:\HPCHEM\2\METHODS\BLDALCO3.M  
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 Instrument 3  
 db-alc2

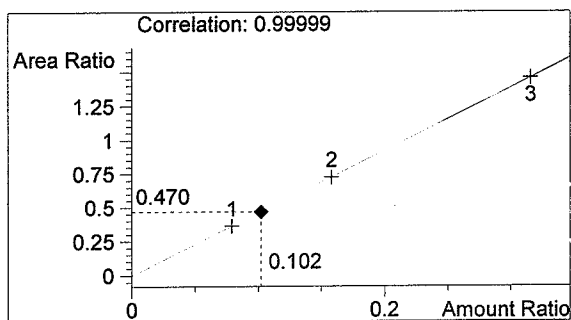
0.10 Ctrl-RF  
 Rebecca Flaherty

vial # 25



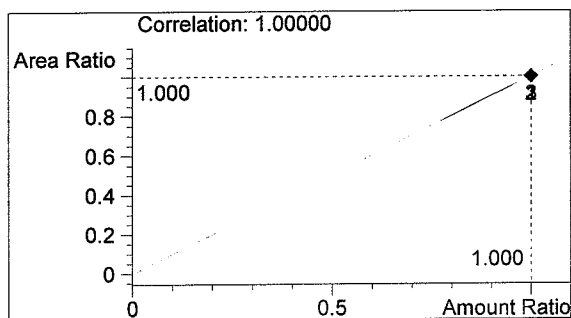
#	Compound	Area	RT
1	ETHANOL	722	1.064
2	n-PROPANOL	1537	1.825

Totals:



ETHANOL

0.102 g/100ml



n-PROPANOL

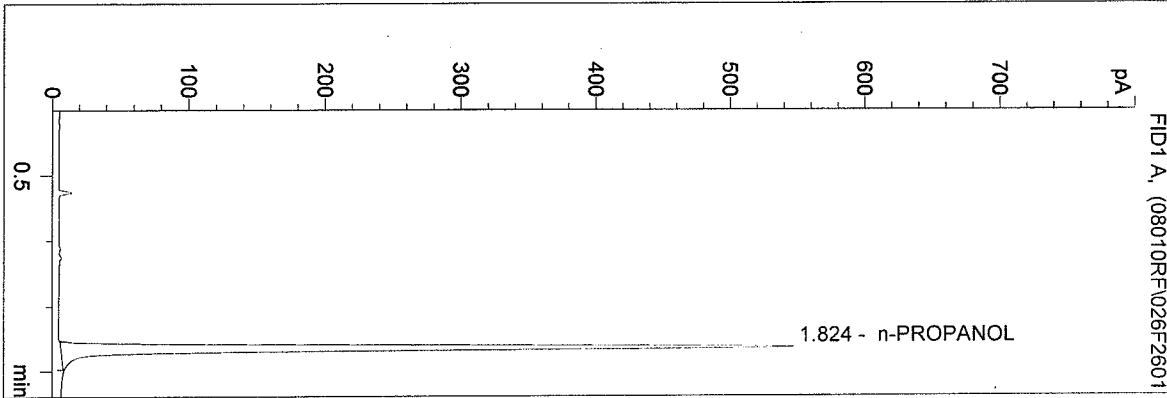
1.000 g/100ml

RF

C:\HPCHEM\2\METHODS\BLDALCO3.M  
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 Instrument 3  
 db-alc2

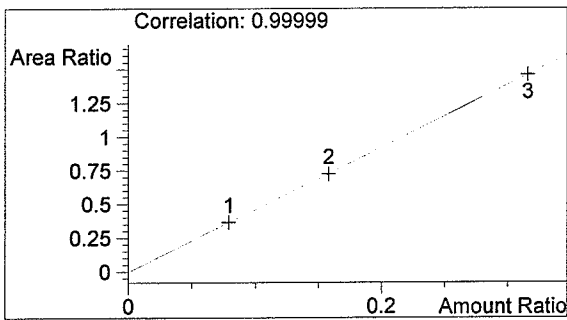
BLANK  
 Rebecca Flaherty

vial # 26



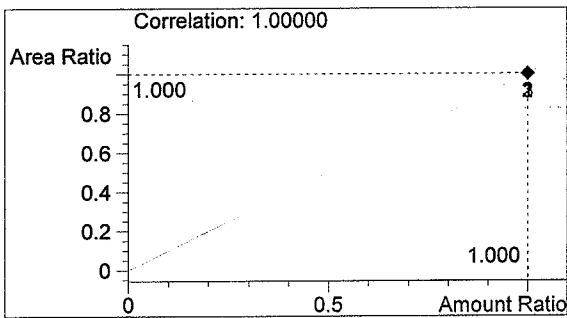
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1513	1.824

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

RF

C:\HPCHEM\2\METHODS\BLDALCO3.M

4/17/2008 10:11:40 AM

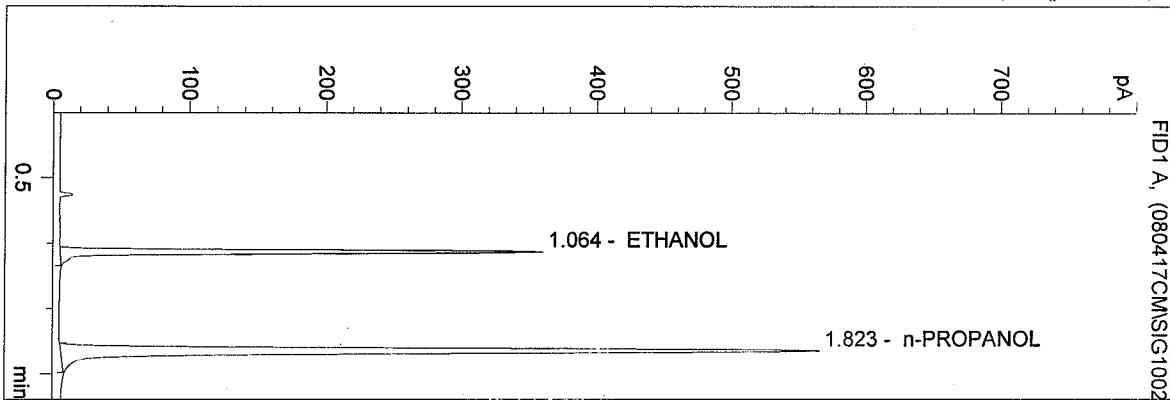
Instrument 3

db-alc2

QA08020-1

Christie Mitchell

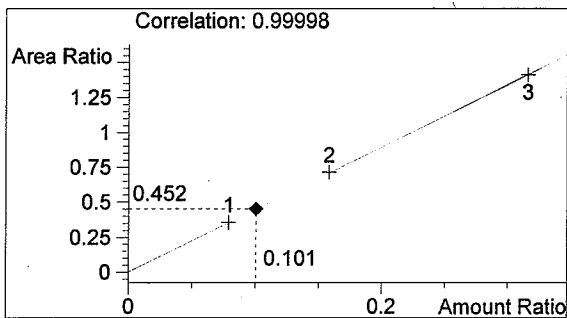
vial # 20



#	Compound	Area	RT
1	ETHANOL	707	1.064
2	n-PROPANOL	1565	1.823

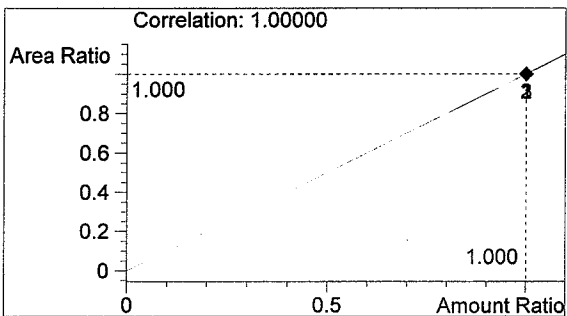
Totals:

*cm*



ETHANOL

0.101 g/100ml



n-PROPANOL

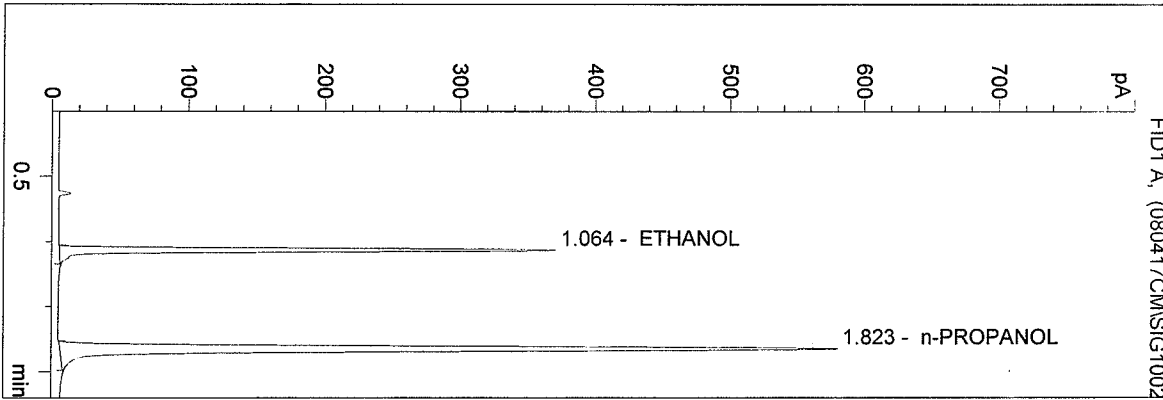
1.000 g/100ml

Calibration filed with QA 08019  
 CM 4/17/2008

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 Instrument 3  
 db-alc2

QA08020-2  
 Christie Mitchell

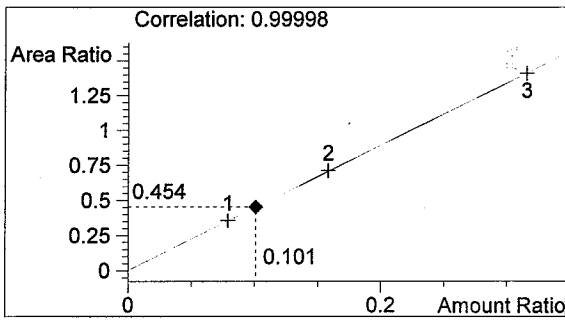
vial # 21



#	Compound	Area	RT
1	ETHANOL	728	1.064
2	n-PROPANOL	1604	1.823

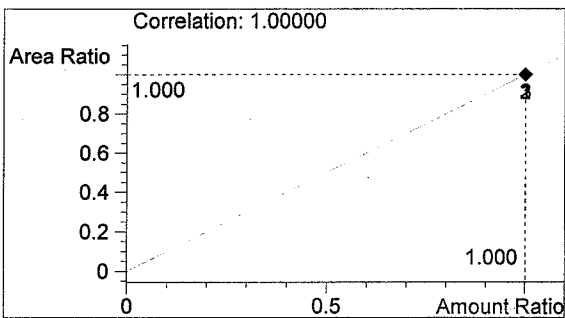
Totals:

*CM*



ETHANOL

0.101 g/100ml



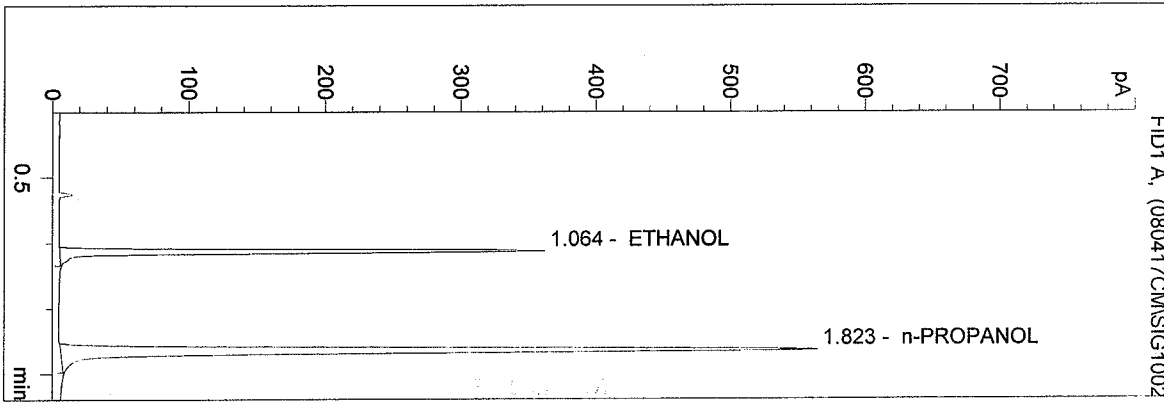
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
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 Instrument 3  
 db-alc2

QA08020-3  
 Christie Mitchell

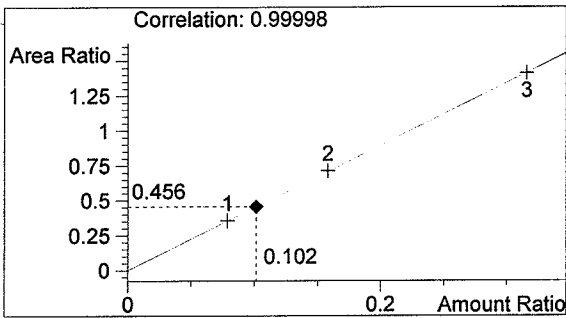
vial # 22



#	Compound	Area	RT
1	ETHANOL	712	1.064
2	n-PROPANOL	1562	1.823

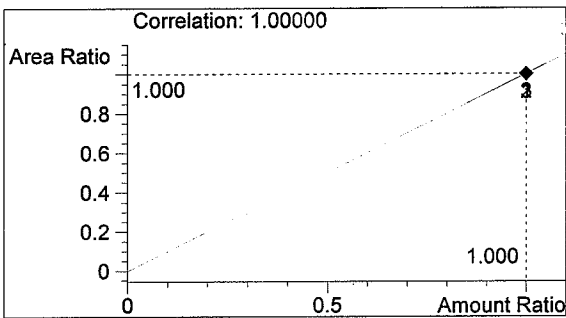
Totals:

*CM*



ETHANOL

0.102 g/100ml



n-PROPANOL

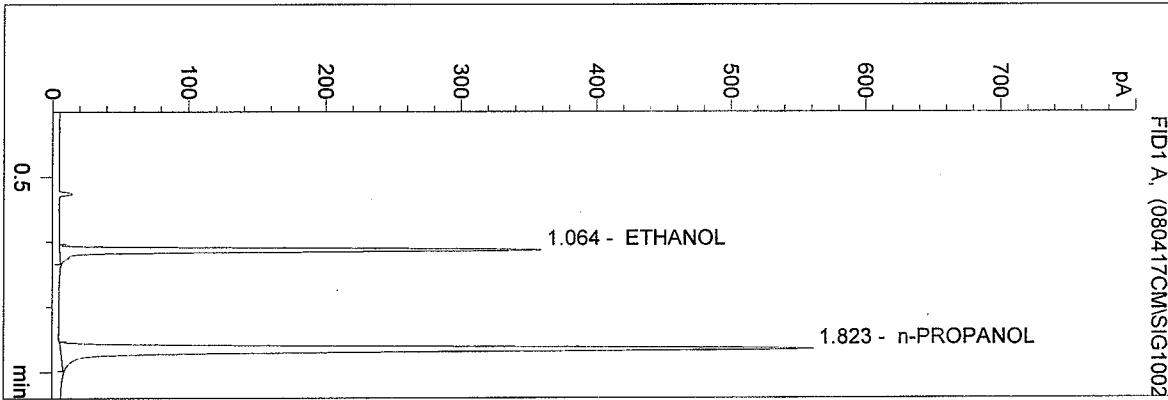
1.000 g/100ml



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QA08020-4  
 Christie Mitchell

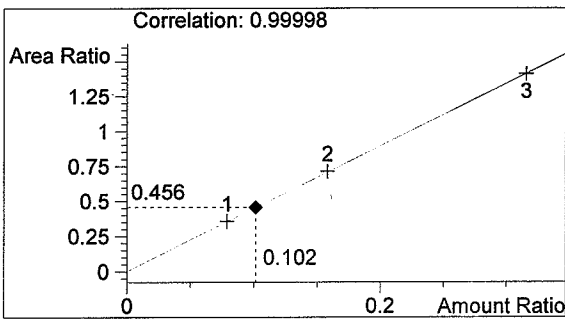
vial # 23



#	Compound	Area	RT
1	ETHANOL	708	1.064
2	n-PROPANOL	1552	1.823

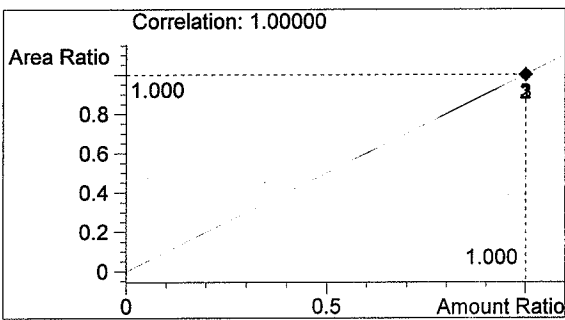
Totals:

*CM*



ETHANOL

0.102 g/100ml



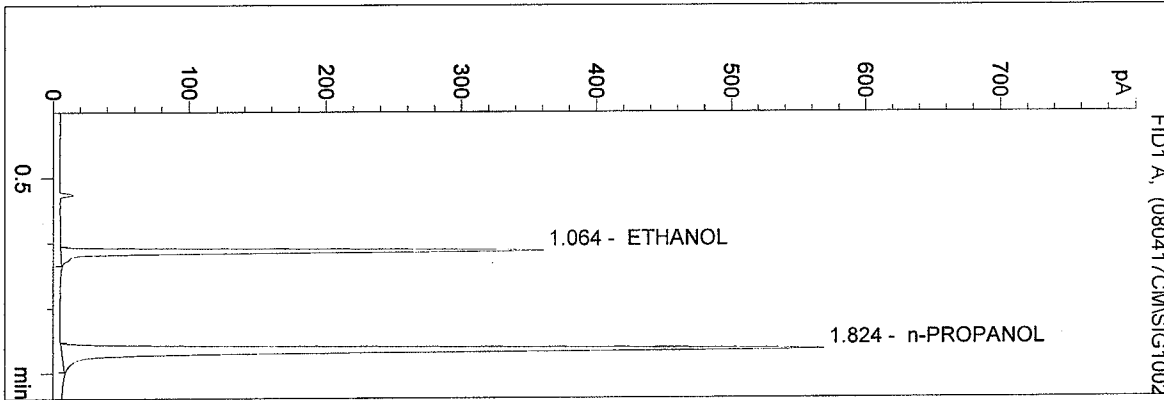
n-PROPANOL

1.000 g/100ml

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 db-alc2

QA08020-5  
 Christie Mitchell

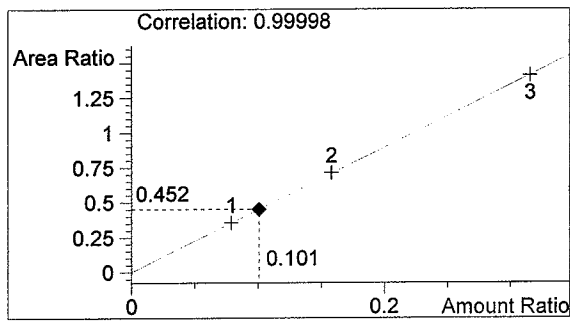
vial # 24



#	Compound	Area	RT
1	ETHANOL	713	1.064
2	n-PROPANOL	1576	1.824

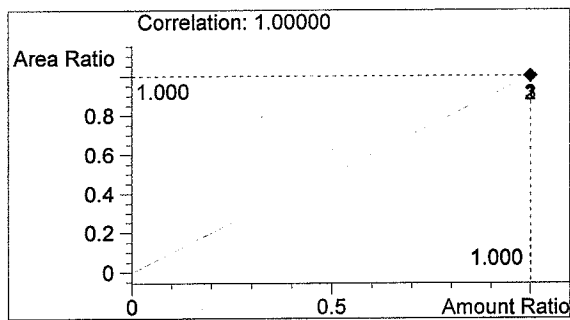
Totals:

*CM*



ETHANOL

0.101 g/100ml



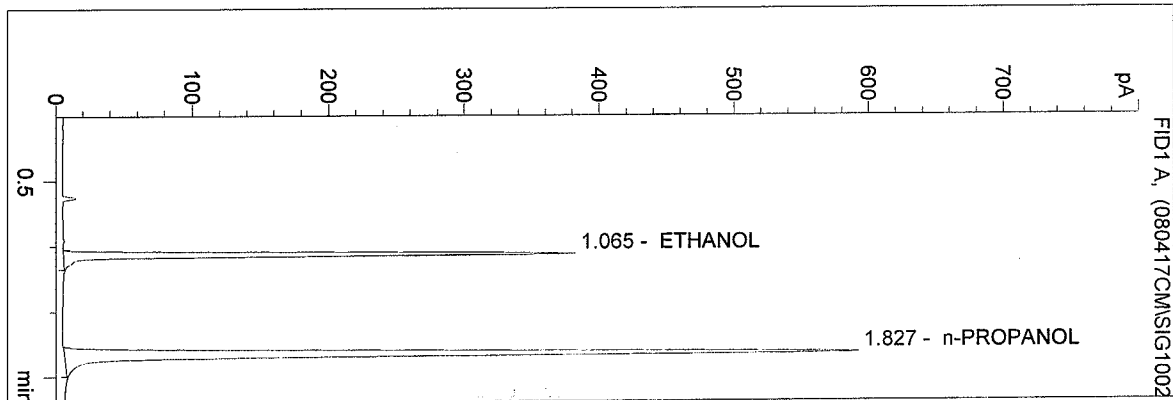
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/17/2008 10:27:15 AM  
 Instrument 3  
 db-alc2

0.10 CTRL-CM  
 Christie Mitchell

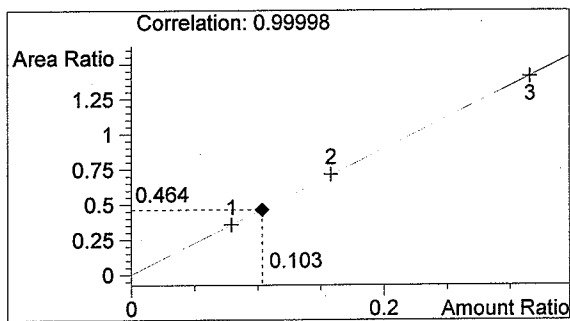
vial # 25



#	Compound	Area	RT
1	ETHANOL	762	1.065
2	n-PROPANOL	1643	1.827

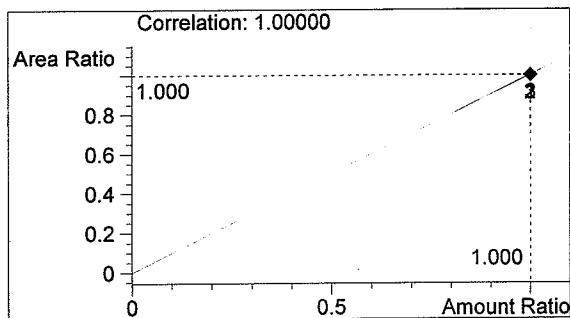
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Totals:



ETHANOL

0.103 g/100ml



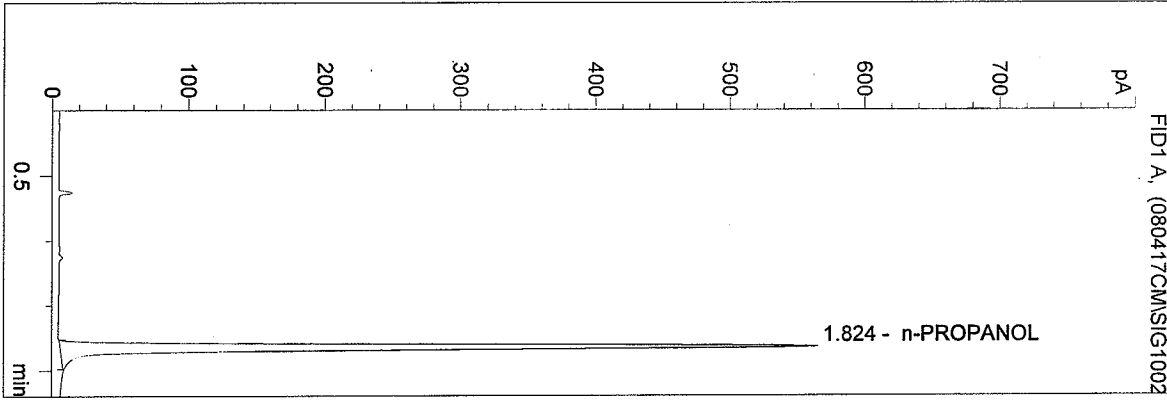
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/17/2008 10:30:22 AM  
 Instrument 3  
 db-alc2

BLANK  
 Christie Mitchell

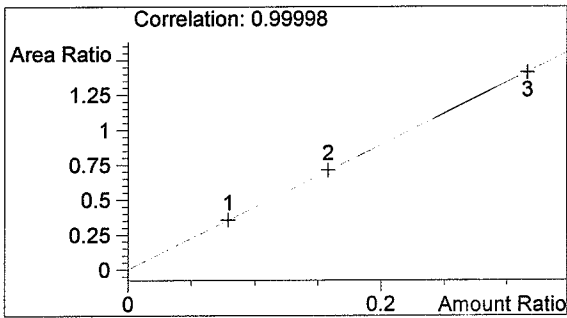
vial # 26



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1563	1.824

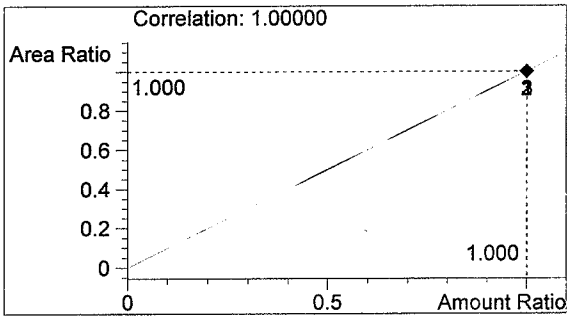
*CM*

Totals:



ETHANOL

0.000 g/100ml



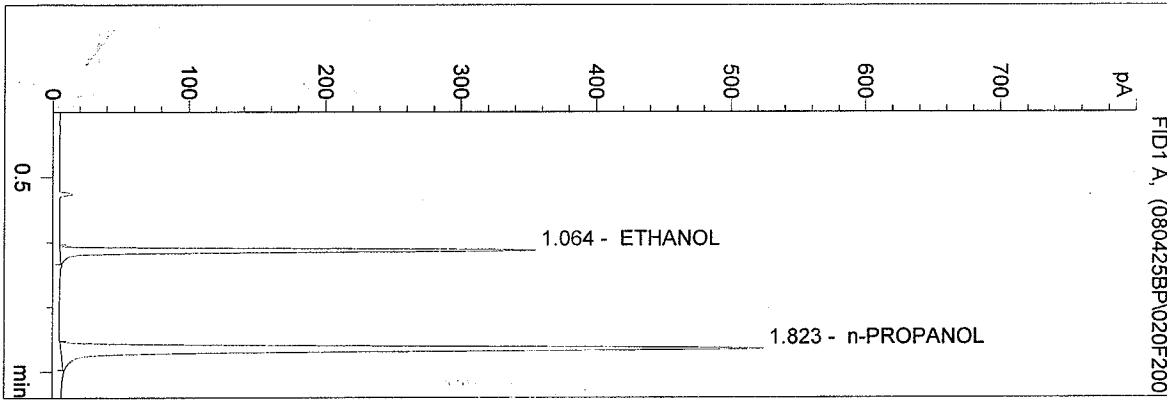
n-PROPANOL

1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:39:20 PM  
 Instrument 3  
 db-alc2

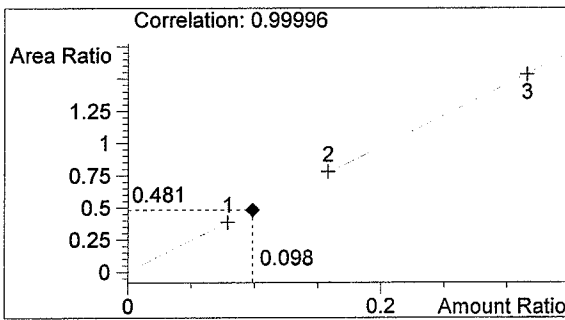
QA08020-1  
 Brianna Peterson

vial # 20



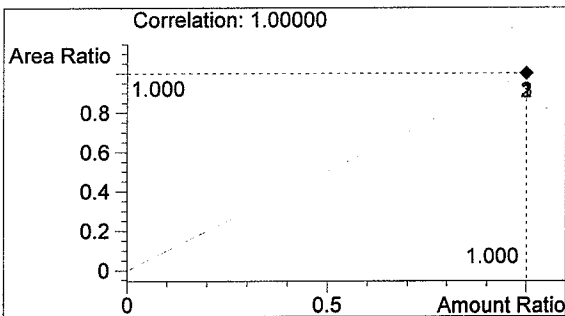
#	Compound	Area	RT
1	ETHANOL	697	1.064
2	n-PROPANOL	1449	1.823

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

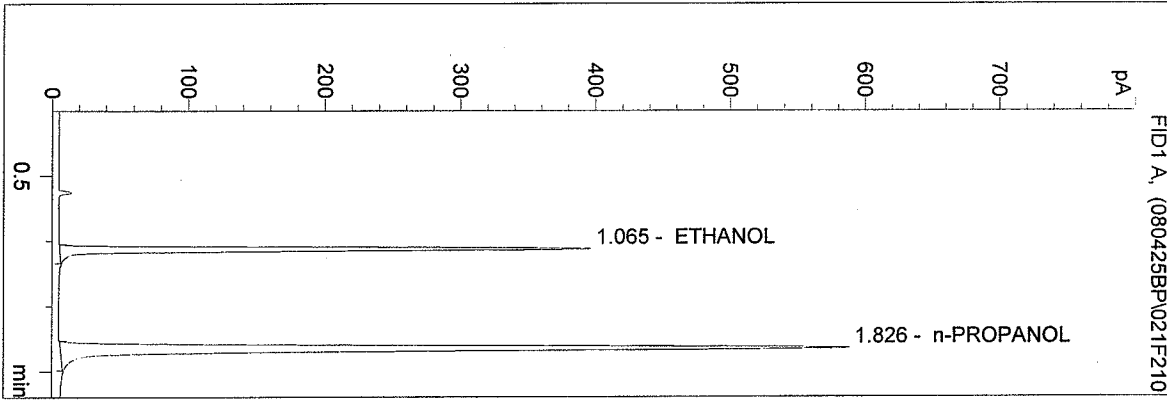
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:42:27 PM  
 Instrument 3  
 db-alc2

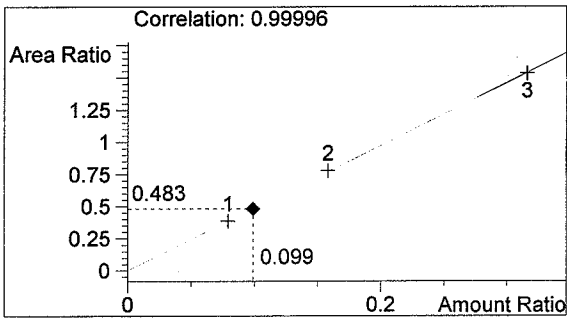
QA08020-2  
 Brianna Peterson

vial # 21



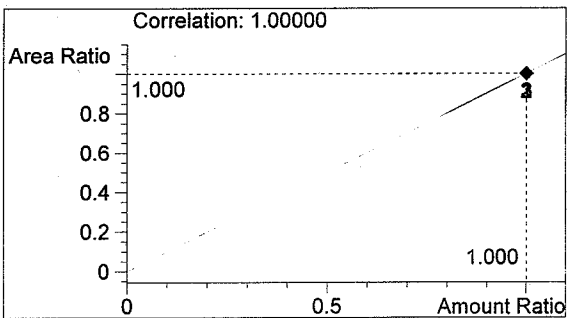
#	Compound	Area	RT
1	ETHANOL	790	1.065
2	n-PROPANOL	1635	1.826

Totals:



ETHANOL

0.099 g/100ml



n-PROPANOL

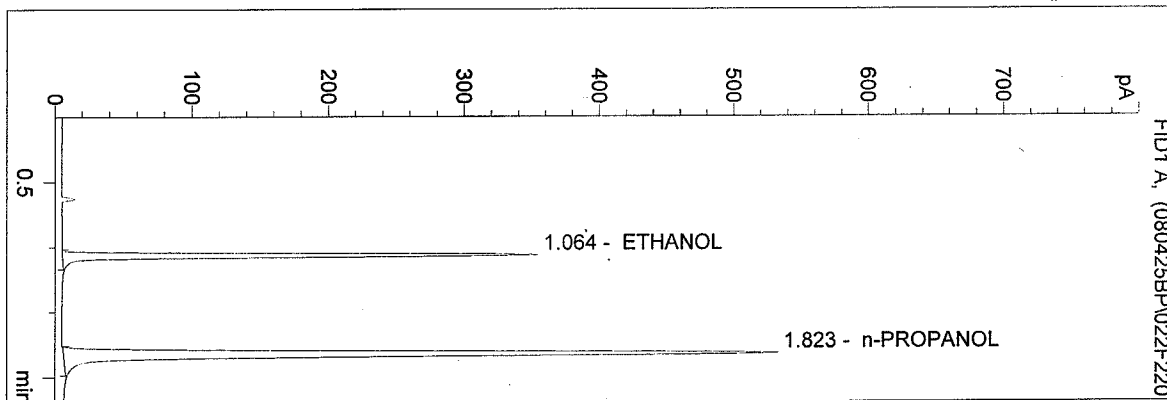
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:45:34 PM  
 Instrument 3  
 db-alc2

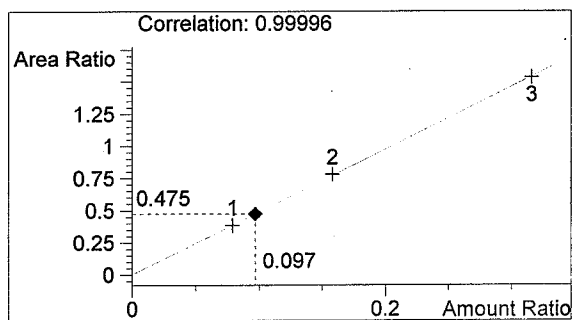
QA08020-3  
 Brianna Peterson

vial # 22



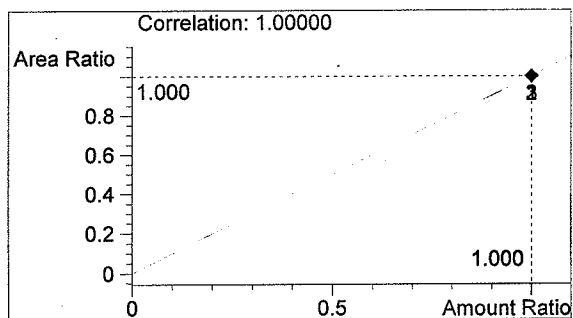
#	Compound	Area	RT
1	ETHANOL	700	1.064
2	n-PROPANOL	1474	1.823

Totals:



ETHANOL

0.097 g/100ml



n-PROPANOL

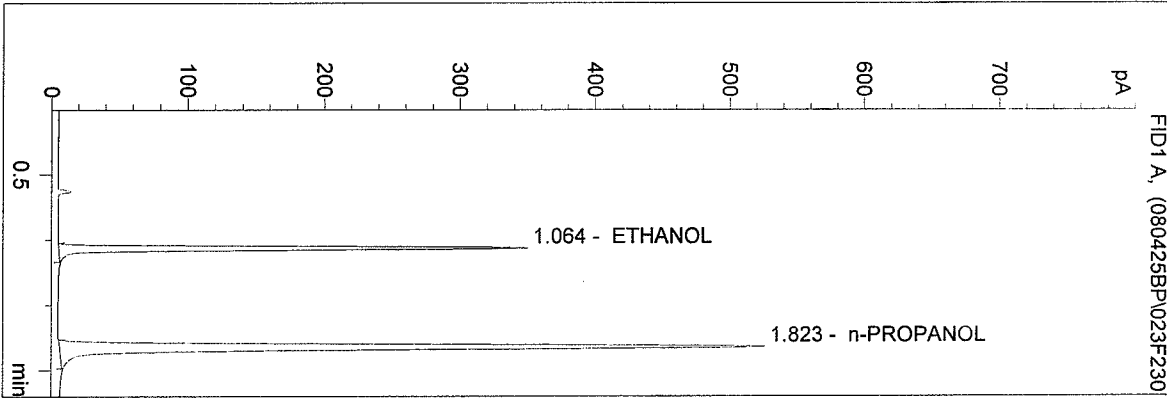
1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:48:41 PM  
 Instrument 3  
 db-alc2

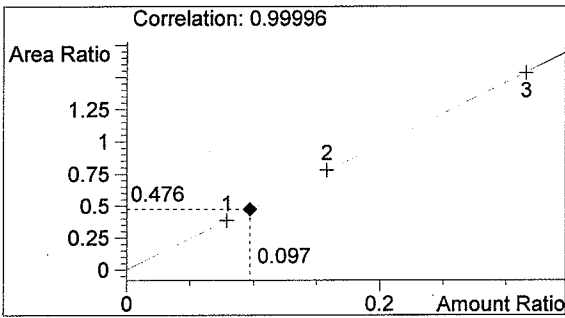
QA08020-4  
 Brianna Peterson

vial # 23

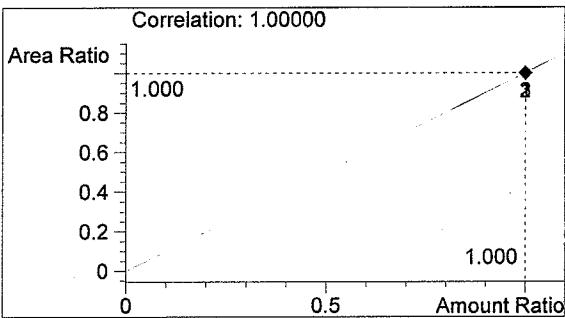


#	Compound	Area	RT
1	ETHANOL	692	1.064
2	n-PROPANOL	1455	1.823

Totals:



0.097 g/100ml



1.000 g/100ml

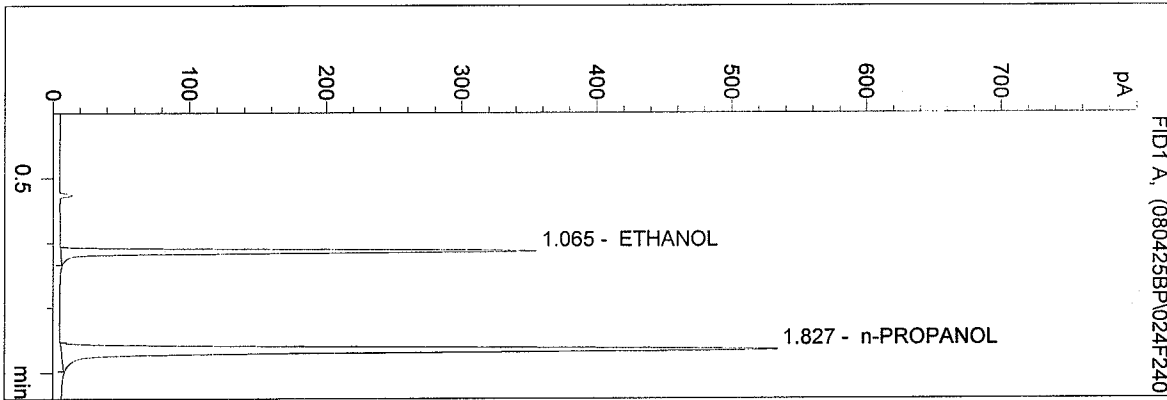
BP



C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:51:48 PM  
 Instrument 3  
 db-alc2

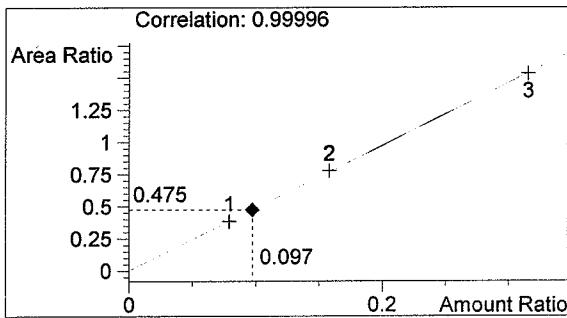
QA08020-5  
 Brianna Peterson

vial # 24



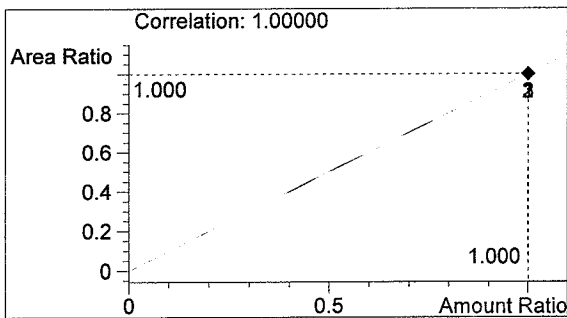
#	Compound	Area	RT
1	ETHANOL	704	1.065
2	n-PROPANOL	1482	1.827

Totals:



ETHANOL

0.097 g/100ml



n-PROPANOL

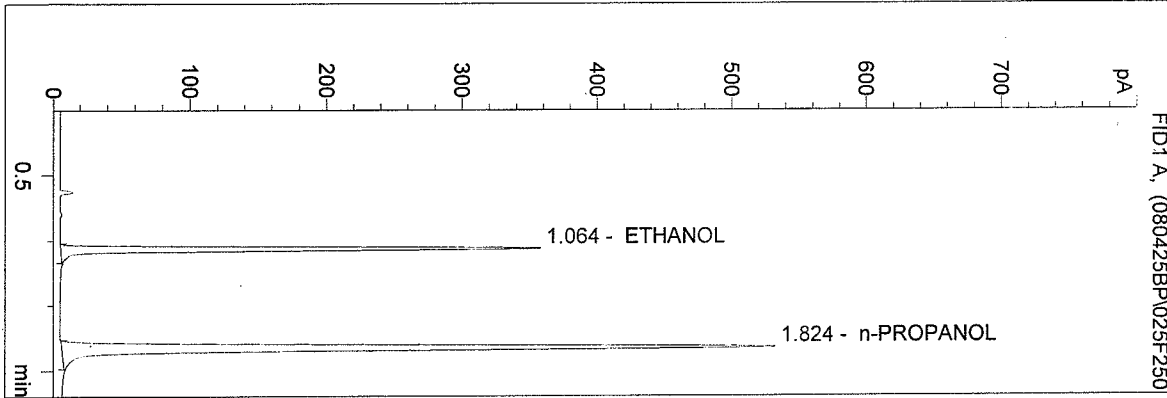
1.000 g/100ml

*BP*

C:\HPCHEM\2\METHODS\BLDALCO3.M  
 4/25/2008 2:54:56 PM  
 Instrument 3  
 db-alc2

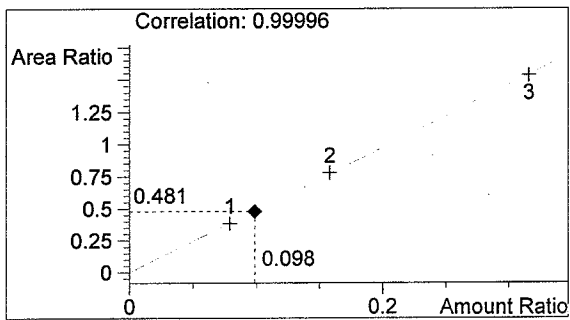
0.10 Ctrl-BP  
 Brianna Peterson

vial # 25



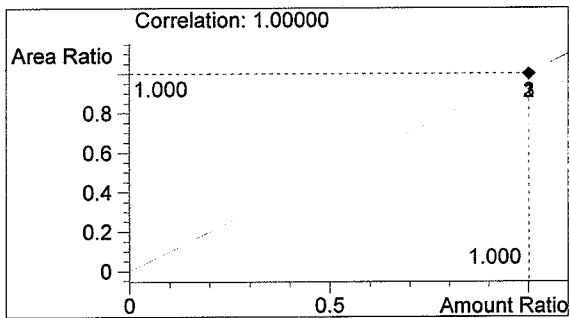
#	Compound	Area	RT
1	ETHANOL	710	1.064
2	n-PROPANOL	1475	1.824

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

1.000 g/100ml

BP

C:\HPCHEM\2\METHODS\BLDALCO3.M

4/25/2008 2:58:03 PM

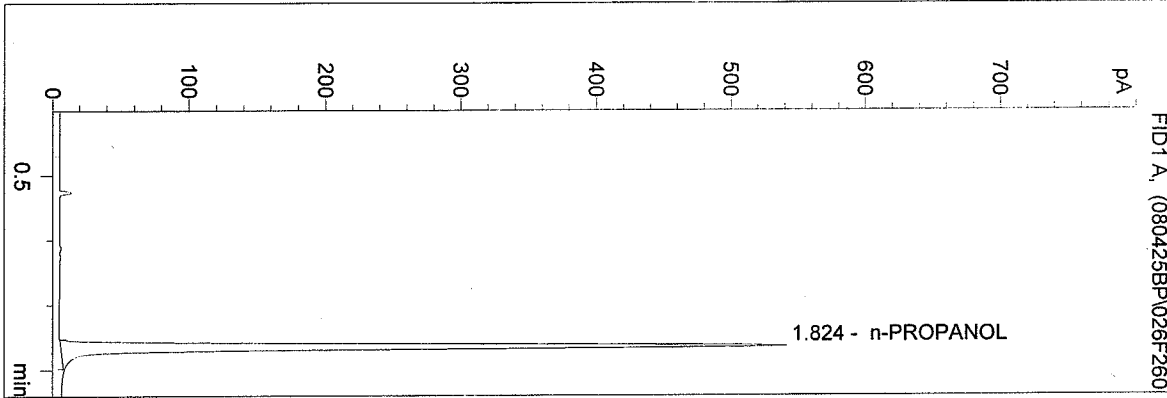
Instrument 3

db-alc2

BLANK

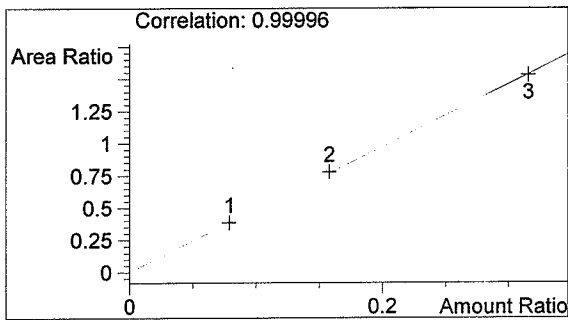
Brianna Peterson

vial # 26



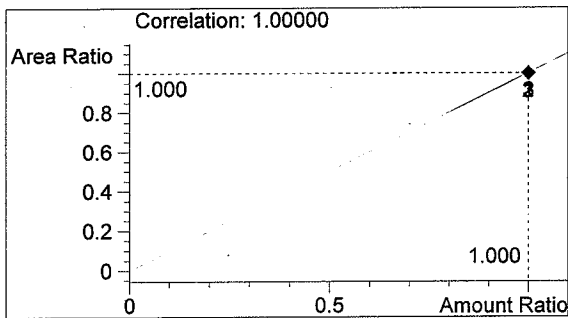
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1499	1.824

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

1.000 g/100ml

BR