

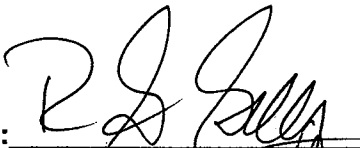

**WASHINGTON STATE TOXICOLOGY LABORATORY  
SIMULATOR SOLUTION DATA ENTRY REVIEW**



Reviewer/s: KEN DENTON / ROD GULLBERG Date: 4/10/2008

Location: TOX LAB SEATTLE Solution Batch Number: 08012

	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:  Date: 4-10-2008  
 Reviewer Signature:  Date: 4/10/2008

**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 **0.10** g/210L Quality Assurance Solution

Batch number **08012**

Date prepared: 03/26/2008

Preparation: **28.9** 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	0.130	0.130	0.128
2	0.133	0.132	0.129
3	0.133	0.131	0.129
4	0.131	0.130	0.131
5	0.130	0.130	0.128
Ctrl	0.102	0.102	0.100

**Statistics:**

Avg. solution concent.: 0.1303 g/100 mL  
 SD: 0.00154  
 Range (3.8XSD): 0.1244 to 0.1362  
 Precision CV (%): 1.1842 %

**External Control:**

Lot #: A050528 Exp date: 07 / 2011  
 Target concentration: 0.10 g/100mL

**Equivalent vapor concent.:** 0.1059 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
1	Lisa Noble	<i>Lisa Noble</i>	03/27/2008
2	Erin Kolbrich	<i>Erin Kolbrich</i>	03/26/2008
3	Gwynyth Scherperel	<i>Gwynyth Scherperel</i>	03/27/2008

Prepared by: Lisa Noble according to the approved protocol.

Final review by: BC

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 08012

I, Gwynyth Scherperel, 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 degrees in Chemistry and Forensic Science.

The quality assurance solution, Lot Number 08012, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA

Gwynyth Scherperel 4/10/08  
Gwynyth Scherperel Date  
Forensic Toxicologist

GS/jr  
GSQA



CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY  
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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION FOR LOT 08012


I, Lisa R Noble, 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 and two years laboratory experience in forensic toxicology.

The quality assurance solution, Lot Number 08012, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA

  
\_\_\_\_\_  
Lisa R Noble                      4/10/08  
Forensic Toxicologist                      Date

LN/jr  
LPQA



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 08012

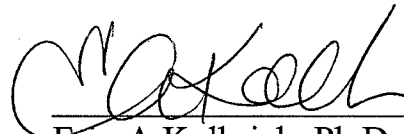
I, Erin A Kolbrich, do certify under penalty of perjury that:

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 Forensic Chemistry and Ph.D. degree in Toxicology.

The quality assurance solution, Lot Number 08012, was prepared in the Washington State Toxicology Laboratory on 3/26/2008. 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 3/26/2009.

Seattle, WA

 4-10-08  
Erin A Kolbrich, Ph.D. Date  
Forensic Toxicologist

EK/jr  
EKQA



## 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:

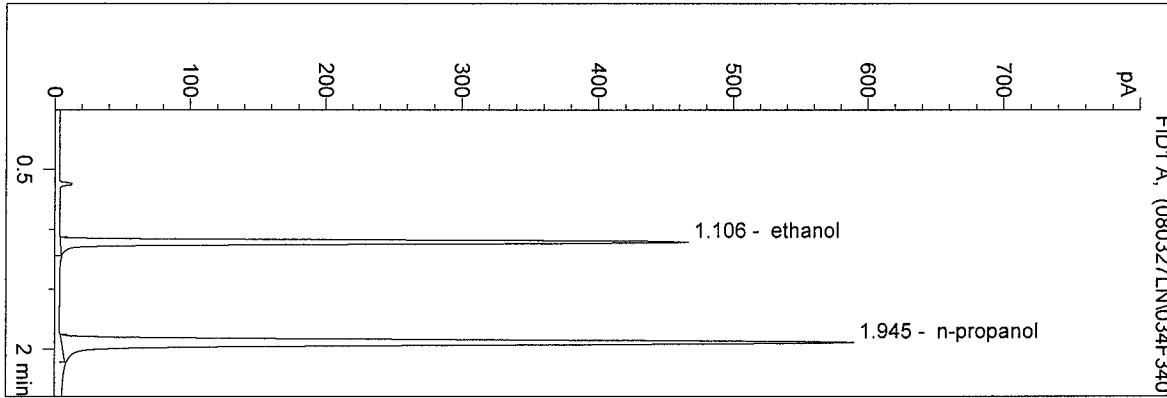
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Amanda Black	_____
Asa Louis	_____
Brian Capron	_____
Brianna Peterson	_____
Brianne Akins	_____
Brittany Ball	_____
Christie Mitchell	_____
Christopher Johnston	_____
Erin Kolbrich	EK      4/10/08
Estuardo Miranda	_____
Gwynyth Scherperel	GS      4/10/08
Justin Knoy	_____
Lisa Noble	LN      4/10/08
Melissa Pemberton	_____
Naziha Nuwayhid	_____
Rebecca Flaherty	_____
Sarah Swenson	_____

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 Instrument 5  
 DB-ALC2

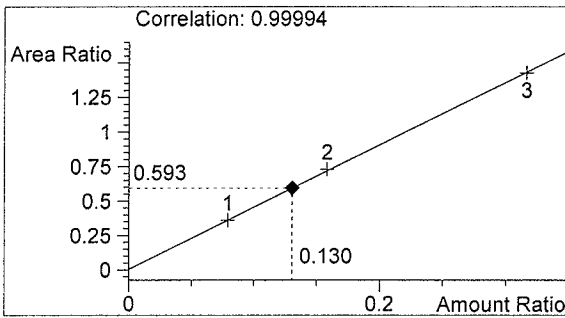
08012-1  
 Lisa Noble

vial # 34

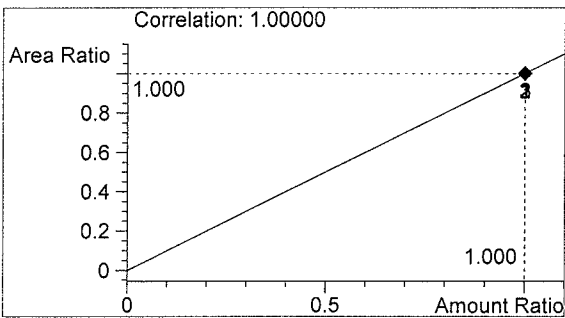


#	Compound	Area	RT
1	ethanol	1086	1.106
2	n-propanol	1831	1.945

Totals:



ethanol 0.130 g/100ml



n-propanol 1.000 g/100ml

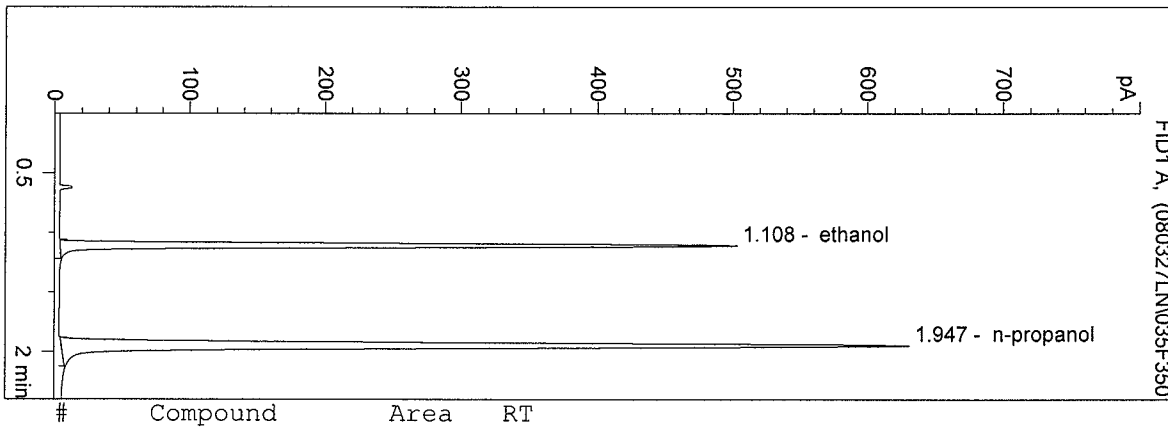
*Ln*

for calibration see  
 SIM 08009  
*Ln* 3/27/08

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 Instrument 5  
 DB-ALC2

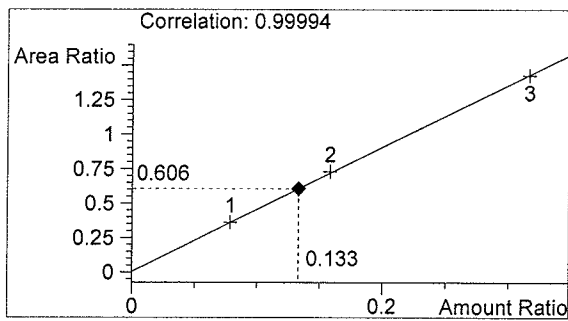
08012-2  
 Lisa Noble

vial # 35

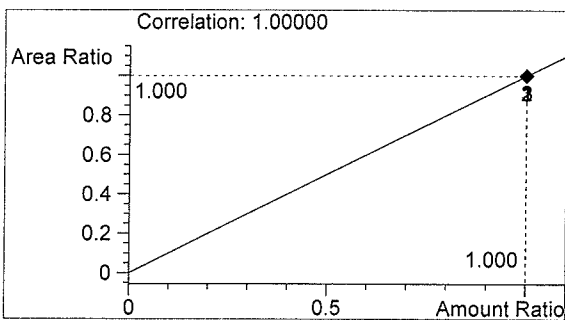


#	Compound	Area	RT
1	ethanol	1188	1.108
2	n-propanol	1960	1.947

Totals:



ethanol 0.133 g/100ml



n-propanol 1.000 g/100ml

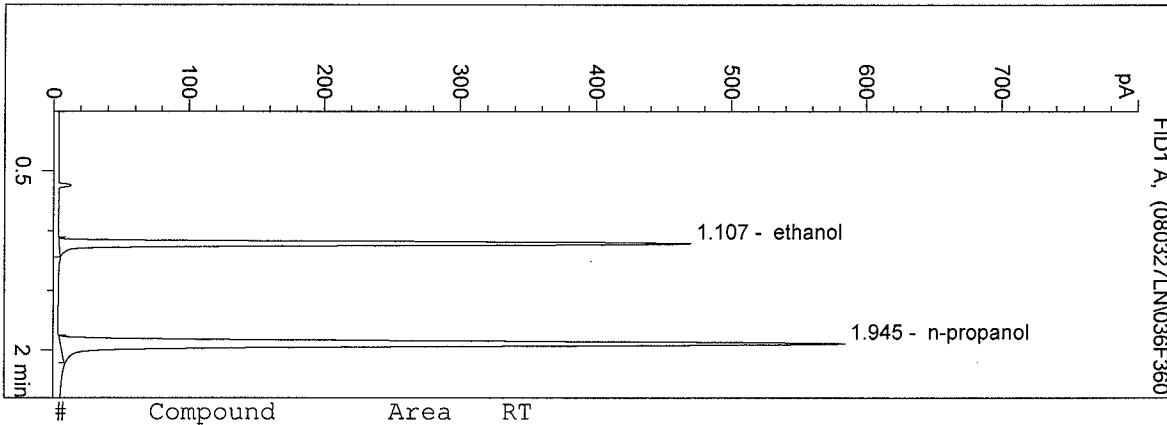
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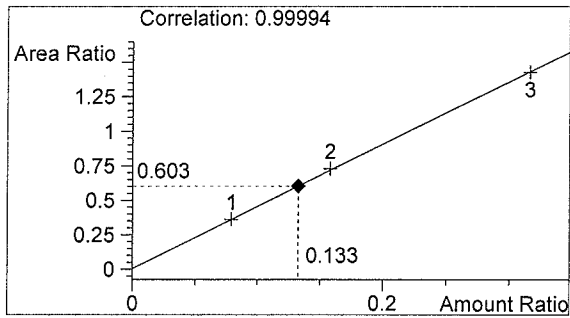
08012-3  
 Lisa Noble

vial # 36

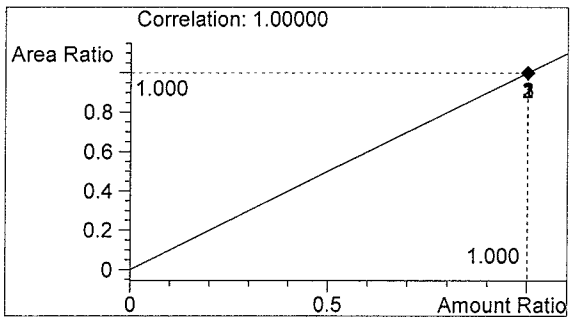


#	Compound	Area	RT
1	ethanol	1090	1.107
2	n-propanol	1807	1.945

Totals:



ethanol 0.133 g/100ml



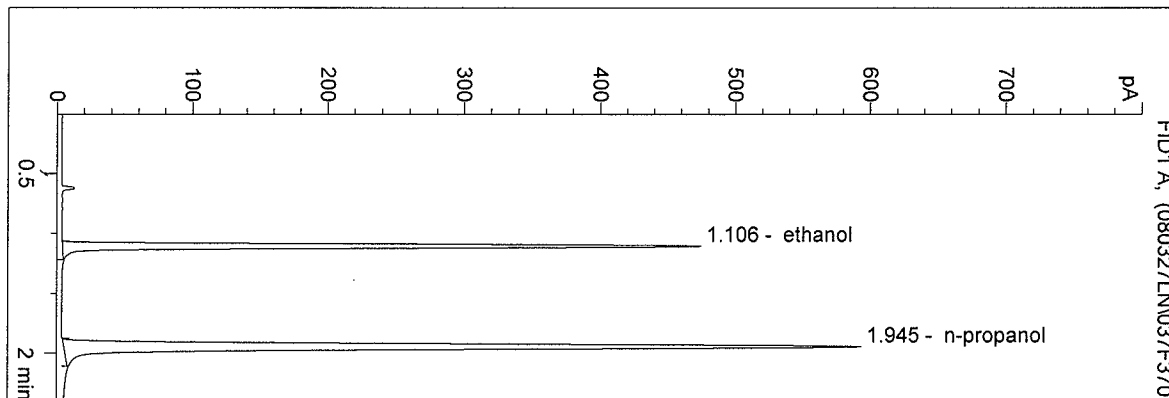
n-propanol 1.000 g/100ml

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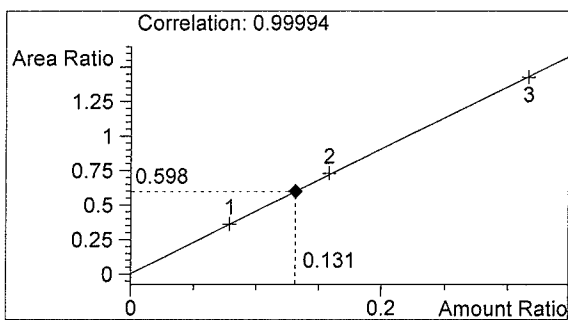
08012-4  
 Lisa Noble

vial # 37

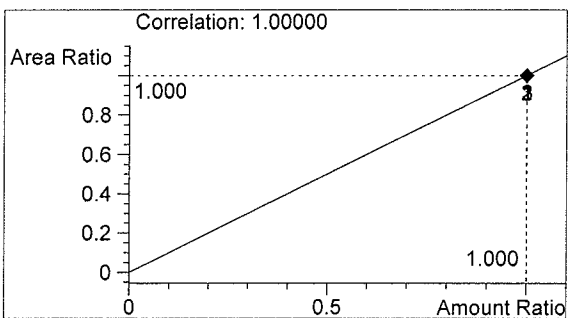


#	Compound	Area	RT
1	ethanol	1102	1.106
2	n-propanol	1842	1.945

Totals:



ethanol 0.131 g/100ml



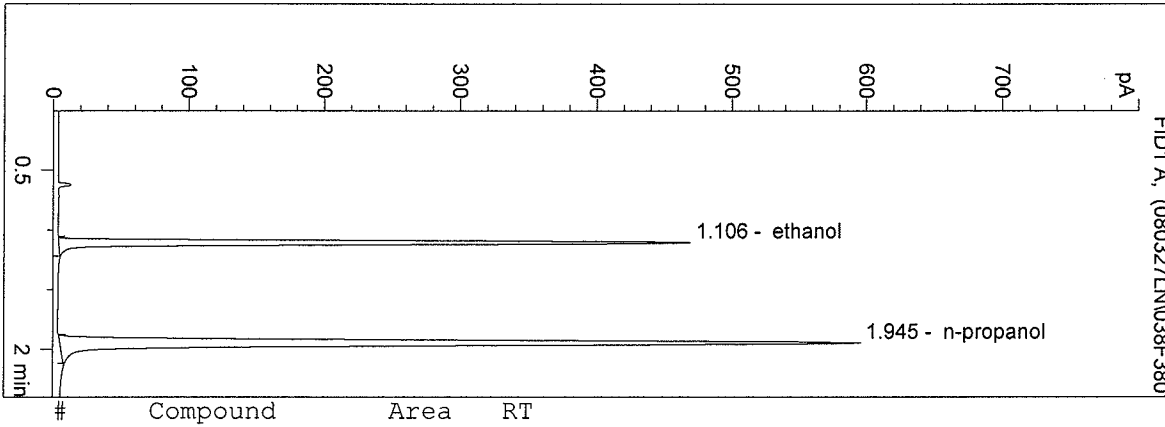
n-propanol 1.000 g/100ml

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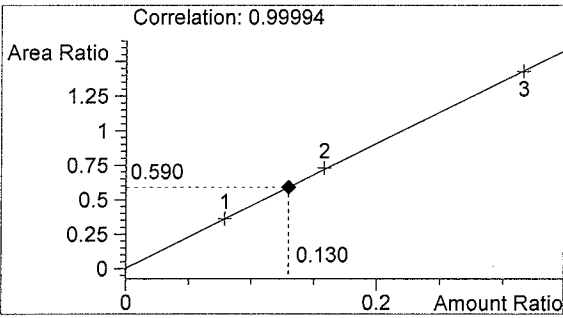
08012-5  
 Lisa Noble

vial # 38



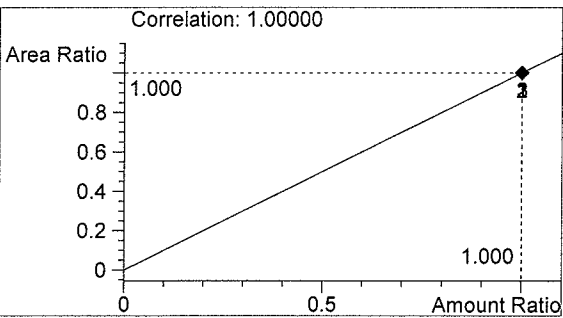
#	Compound	Area	RT
1	ethanol	1094	1.106
2	n-propanol	1855	1.945

Totals:



ethanol 0.130 g/100ml

*Handwritten signature*

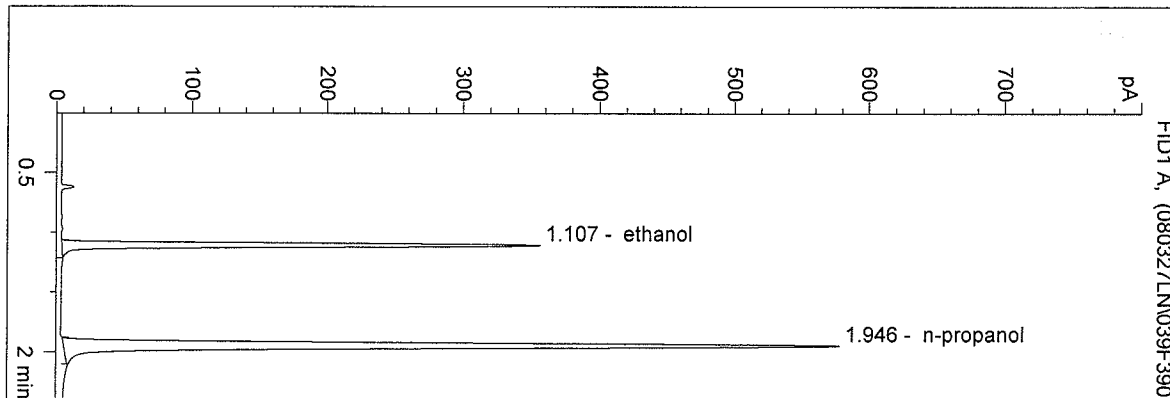


n-propanol 1.000 g/100ml

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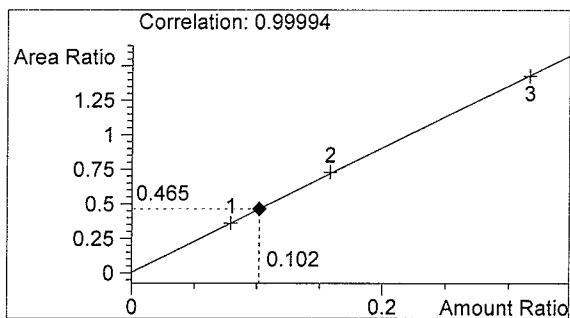
0.10 CONTROL LN  
 Lisa Noble

vial # 39

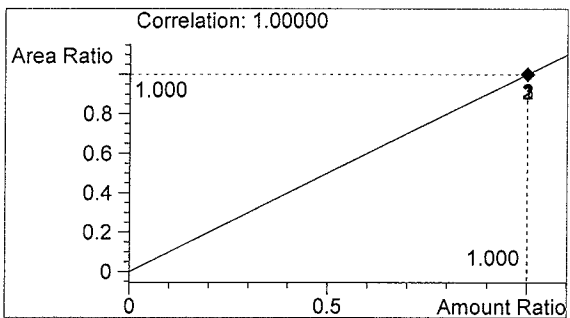


#	Compound	Area	RT
1	ethanol	833	1.107
2	n-propanol	1792	1.946

Totals:



ethanol 0.102 g/100ml

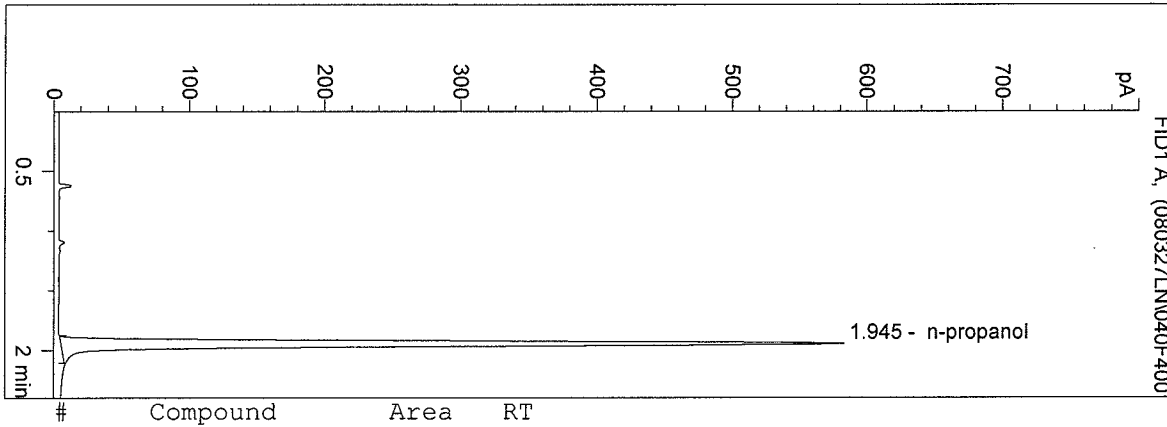


n-propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

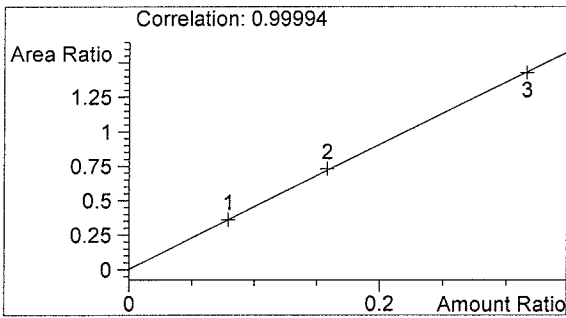
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 Lisa Noble

vial # 40



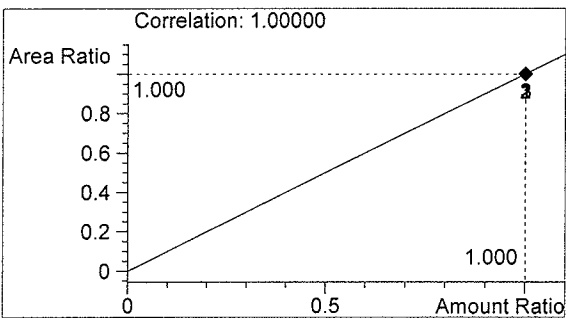
#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1817	1.945

Totals:



ethanol 0.000 g/100ml

*ln*

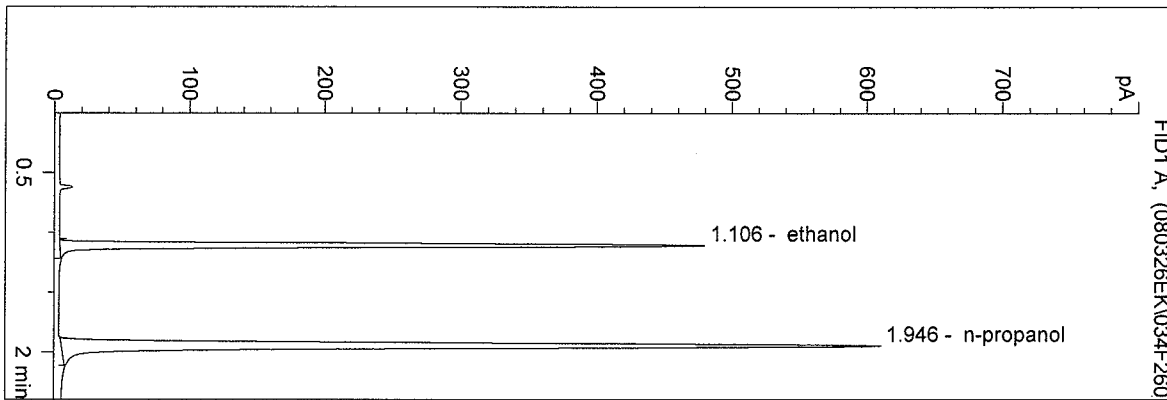


n-propanol 1.000 g/100ml

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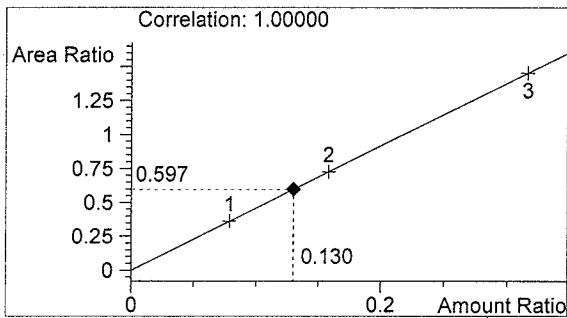
QA08012 1  
 Erin Kolbrich

vial # 34

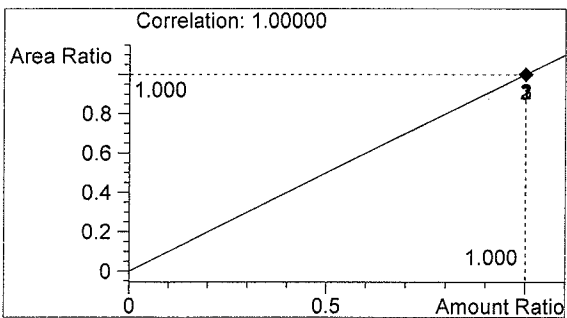


#	Compound	Area	RT
1	ethanol	1129	1.106
2	n-propanol	1893	1.946

Totals:



ethanol 0.130 g/100ml

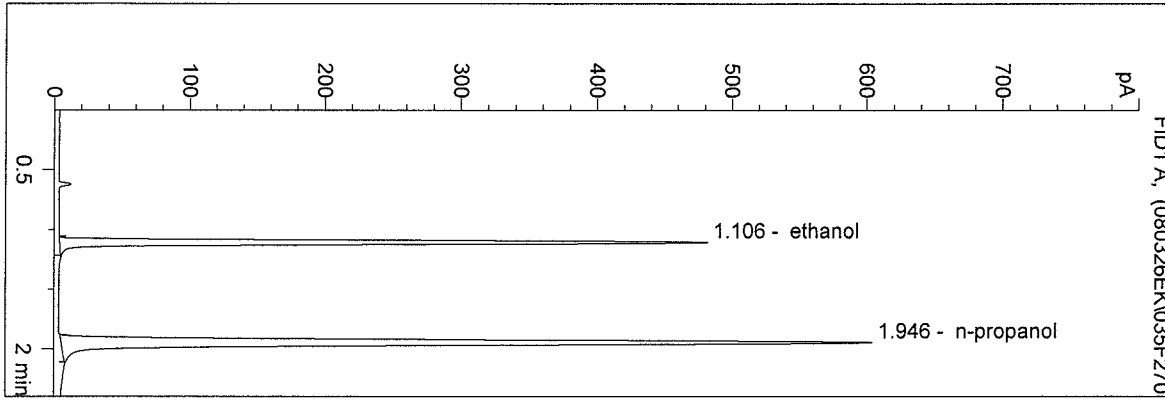


n-propanol 1.000 g/100ml

*EW*  
 calib with  
 SIM08-009

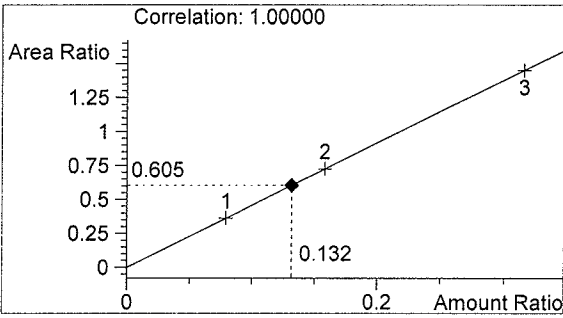
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QA08012 2  
 Erin Kolbrich  
 vial # 35

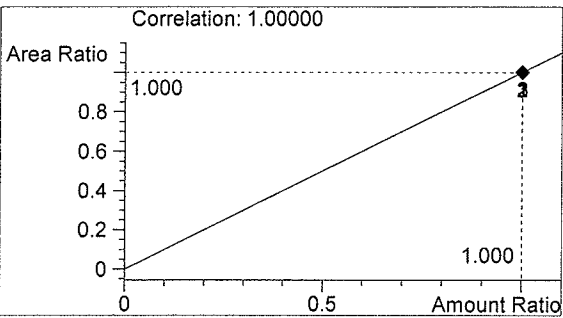


#	Compound	Area	RT
1	ethanol	1132	1.106
2	n-propanol	1873	1.946

Totals:



ethanol 0.132 g/100ml

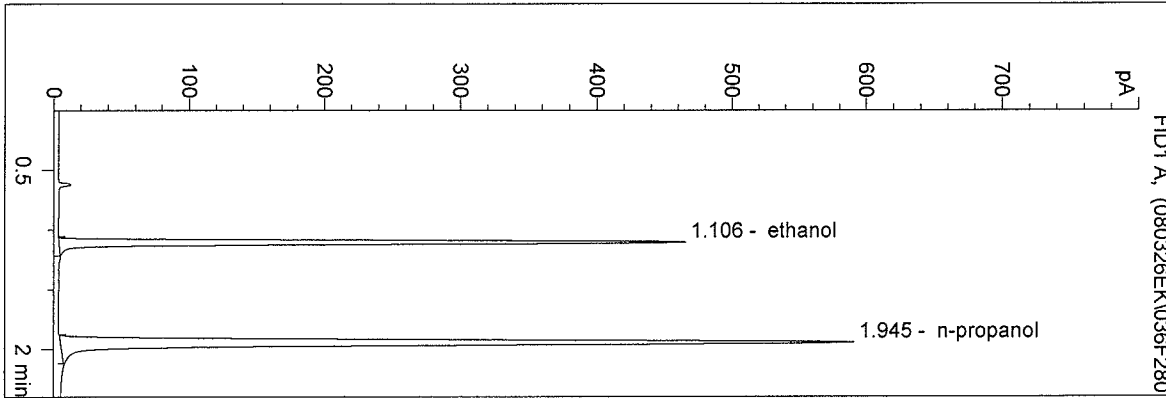


n-propanol 1.000 g/100ml

*EK*

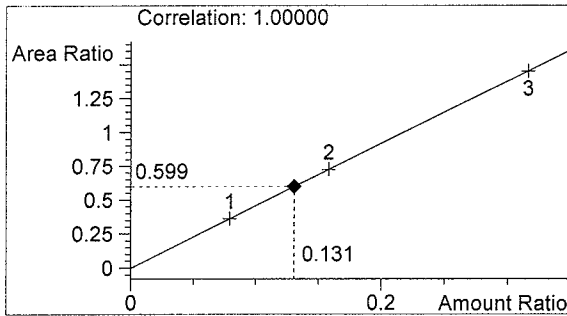
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 DB-ALC2

QA08012 3  
 Erin Kolbrich  
 vial # 36

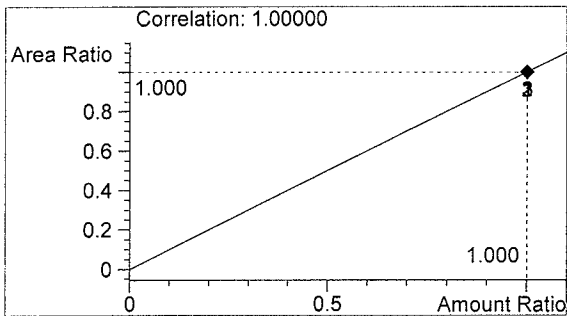


#	Compound	Area	RT
1	ethanol	1101	1.106
2	n-propanol	1839	1.945

Totals:



ethanol 0.131 g/100ml



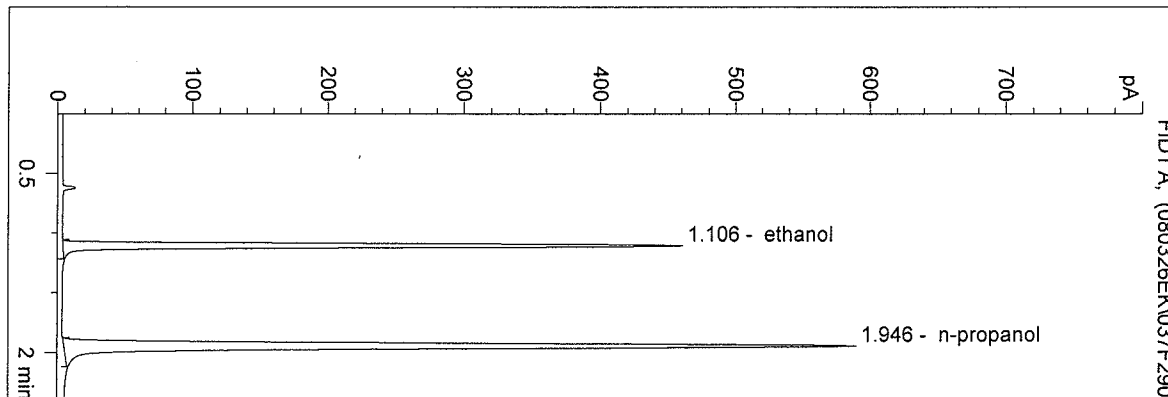
n-propanol 1.000 g/100ml

AK



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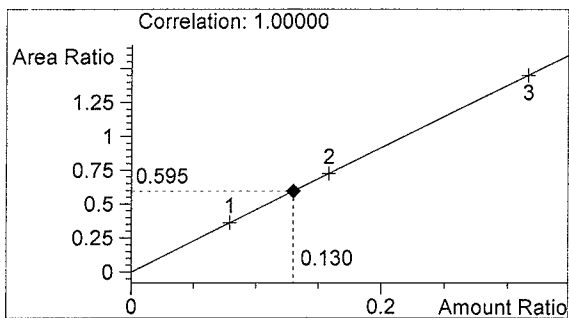
QA08012 4  
 Erin Kolbrich  
 vial # 37



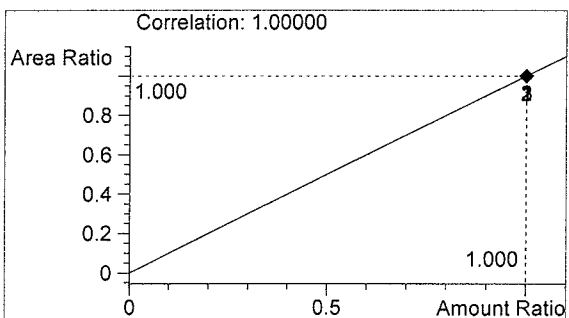
#	Compound	Area	RT
1	ethanol	1092	1.106
2	n-propanol	1835	1.946

980

Totals:



ethanol 0.130 g/100ml

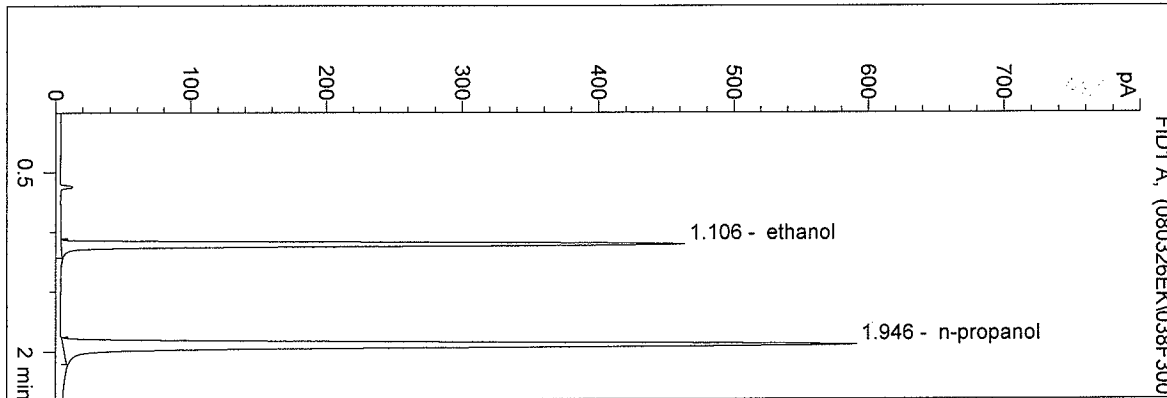


n-propanol 1.000 g/100ml

*EKE*

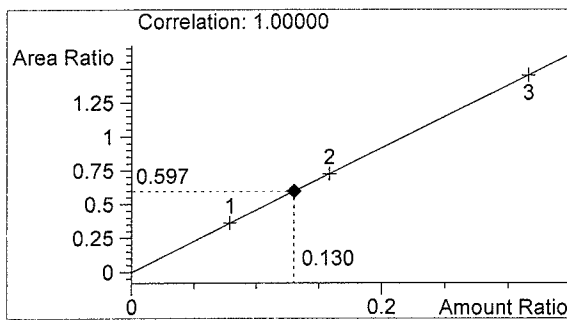
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 Instrument 5  
 DB-ALC2

QA08012 5  
 Erin Kolbrich  
 vial # 38

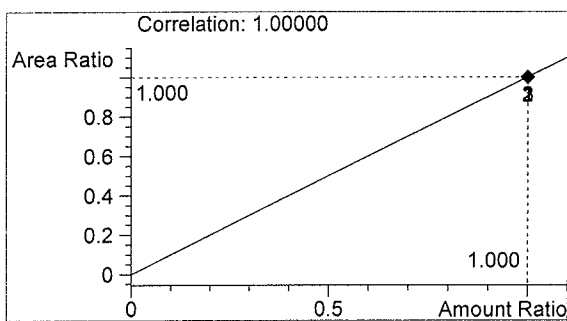


#	Compound	Area	RT
1	ethanol	1094	1.106
2	n-propanol	1833	1.946

Totals:



ethanol 0.130 g/100ml



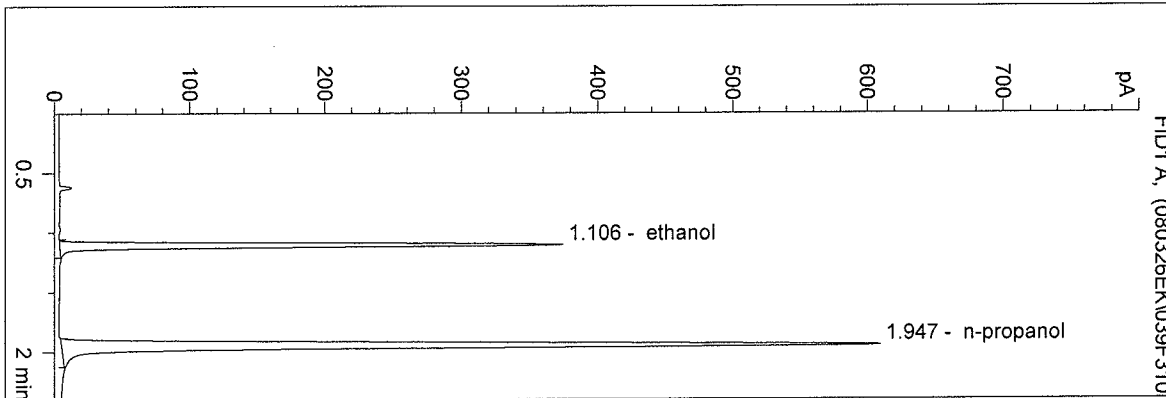
n-propanol 1.000 g/100ml

*EK*

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 DB-ALC2

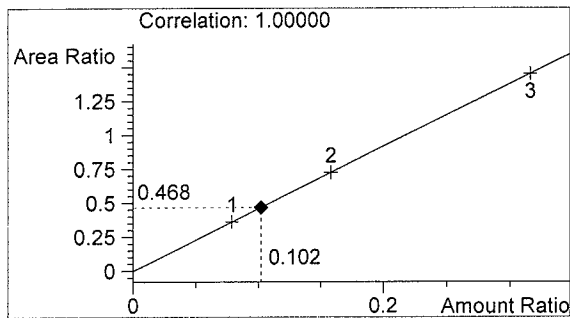
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 Erin Kolbrich

vial # 39

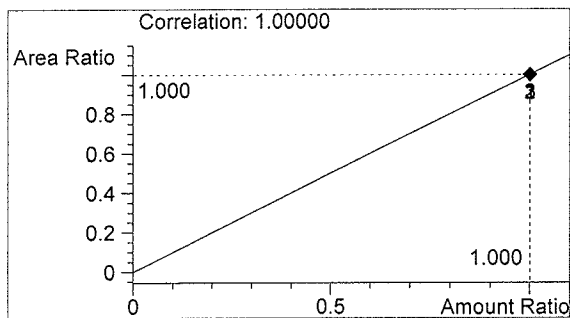


#	Compound	Area	RT
1	ethanol	886	1.106
2	n-propanol	1893	1.947

Totals:



ethanol 0.102 g/100ml

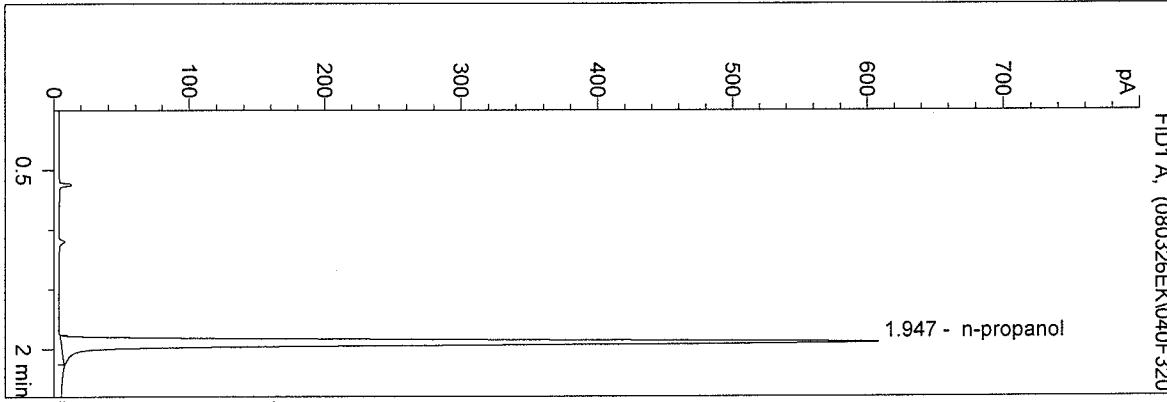


n-propanol 1.000 g/100ml

EK

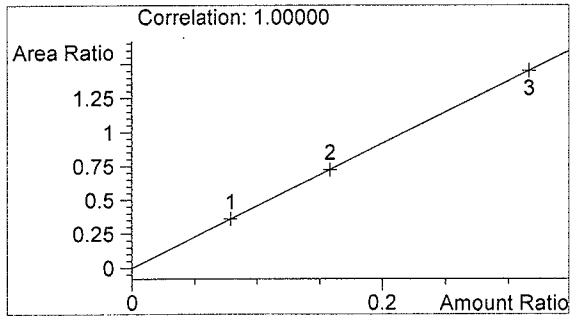
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 Erin Kolbrich  
 vial # 40

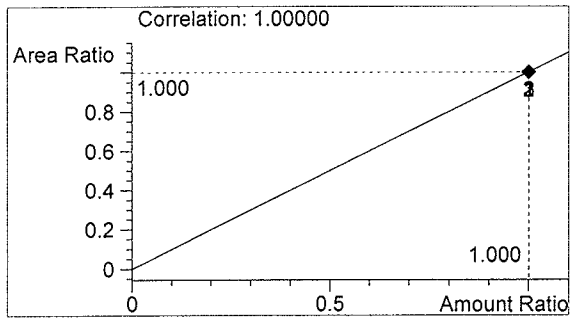


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1892	1.947

Totals:



ethanol 0.000 g/100ml



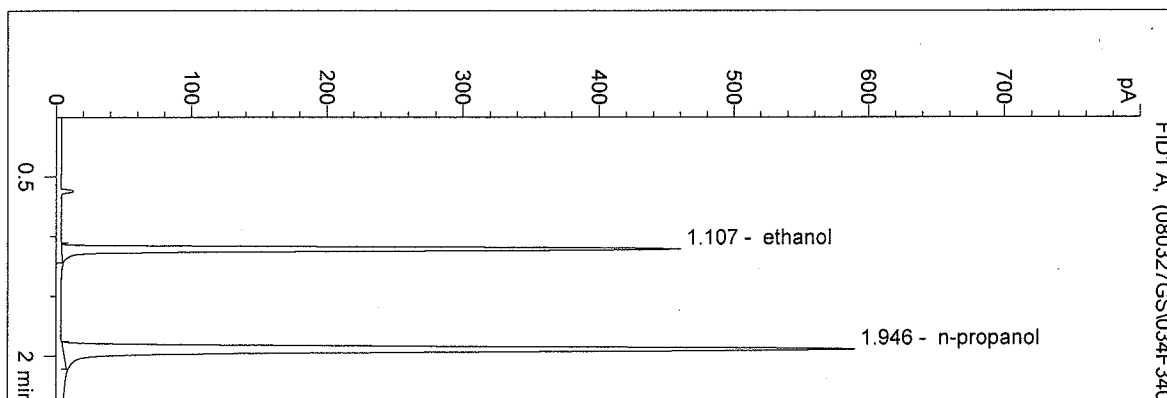
n-propanol 1.000 g/100ml

EK

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 5:57:23 PM  
 Instrument 5  
 DB-ALC2

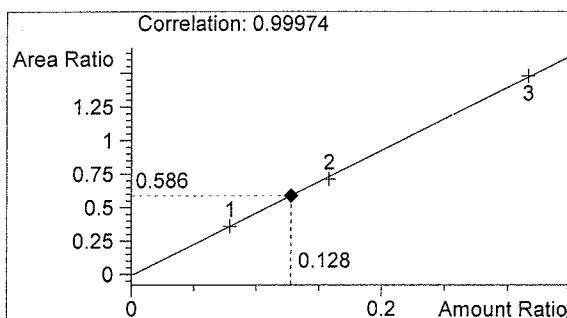
QA08012-GS1  
 Gwynyth Scherperel

vial # 34

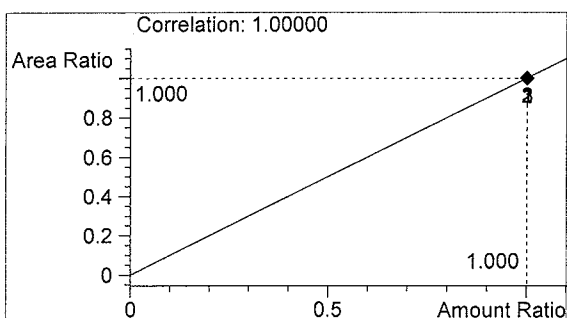


#	Compound	Area	RT
1	ethanol	1075	1.107
2	n-propanol	1834	1.946

Totals:



ethanol 0.128 g/100ml



n-propanol 1.000 g/100ml

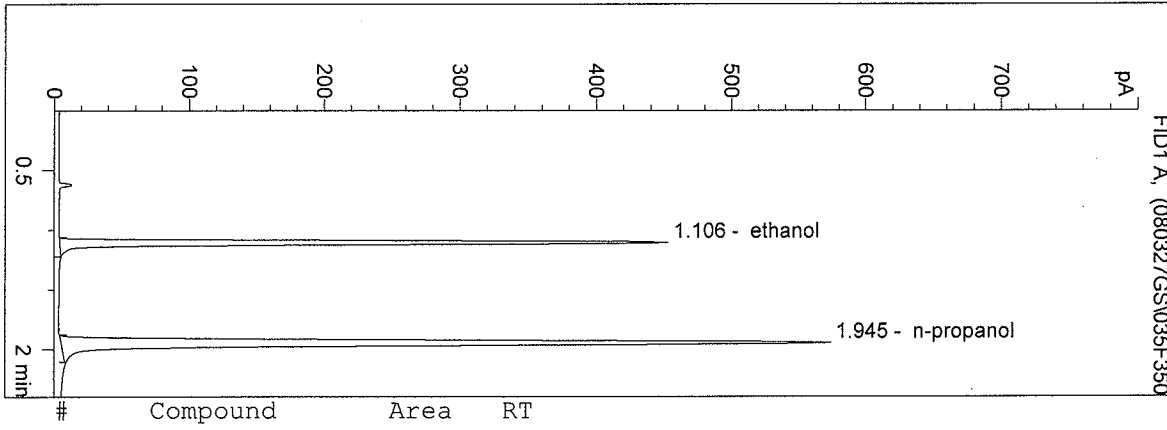
*gs*

*for calibration  
 see SIM 08009  
 JS 3/28/08*

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:02:24 PM  
 Instrument 5  
 DB-ALC2

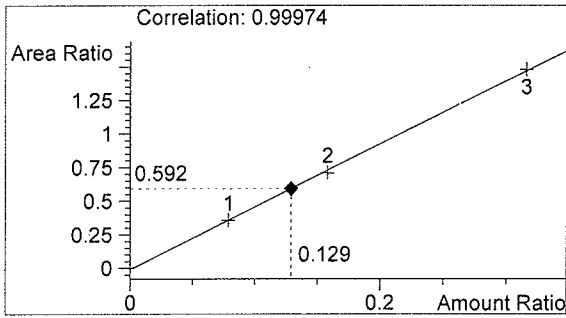
QA08012-GS2  
 Gwynyth Scherperel

vial # 35

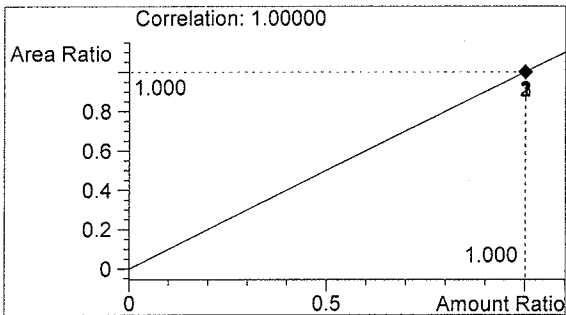


#	Compound	Area	RT
1	ethanol	1059	1.106
2	n-propanol	1788	1.945

Totals:



ethanol 0.129 g/100ml



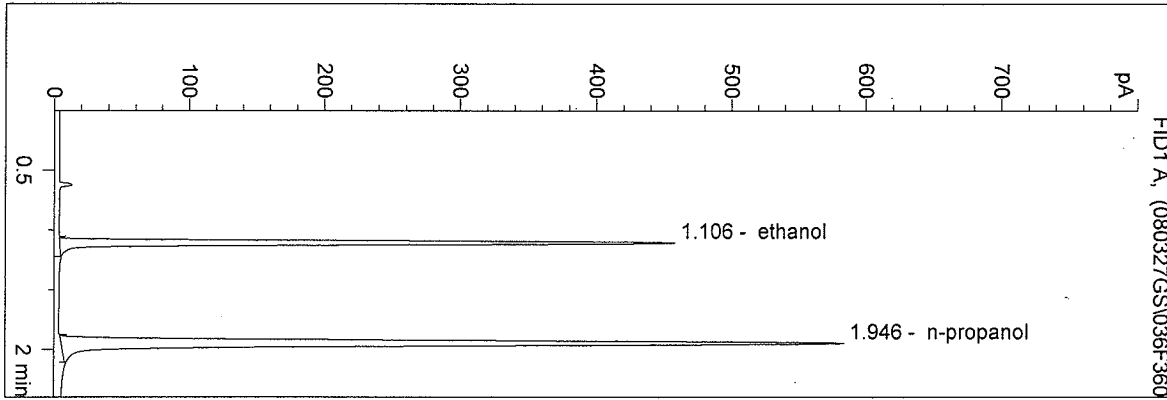
n-propanol 1.000 g/100ml

*Handwritten mark*

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:05:48 PM  
 Instrument 5  
 DB-ALC2

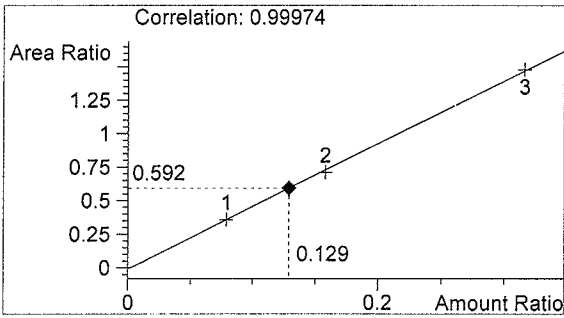
QA08012-GS3  
 Gwynyth Scherperel

vial # 36

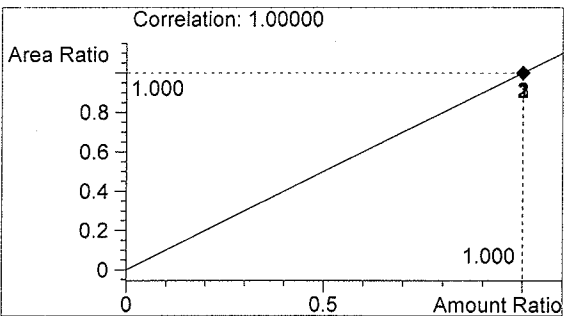


#	Compound	Area	RT
1	ethanol	1076	1.106
2	n-propanol	1815	1.946

Totals:



ethanol 0.129 g/100ml



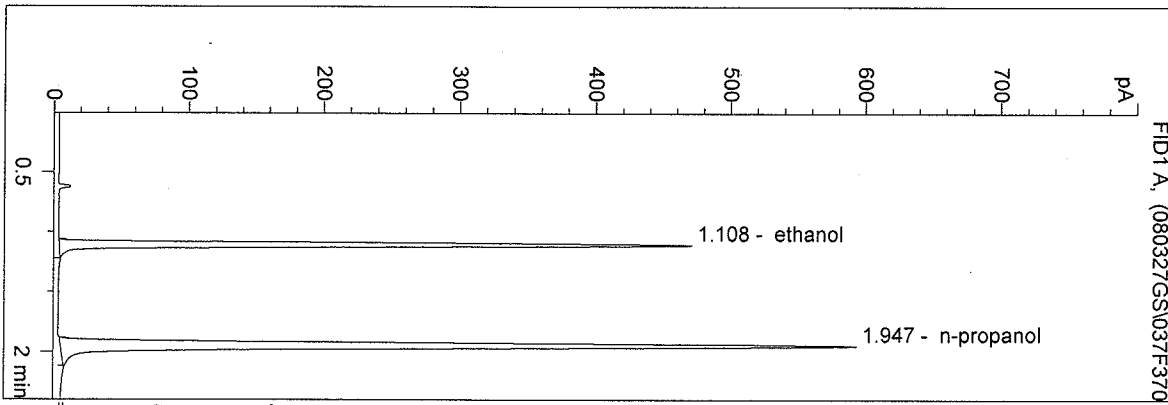
n-propanol 1.000 g/100ml

*Handwritten initials*

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:09:11 PM  
 Instrument 5  
 DB-ALC2

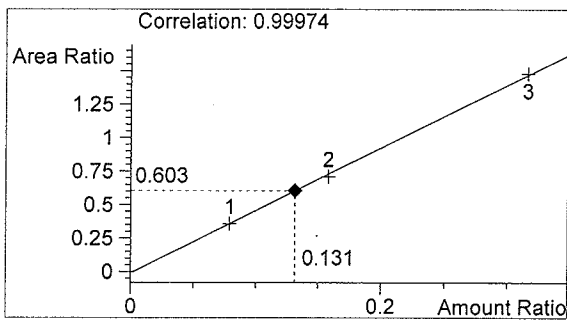
QA08012-GS4  
 Gwynyth Scherperel

vial # 37

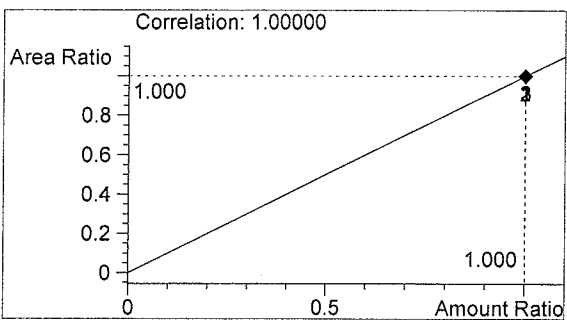


#	Compound	Area	RT
1	ethanol	1114	1.108
2	n-propanol	1848	1.947

Totals:



ethanol 0.131 g/100ml



n-propanol 1.000 g/100ml

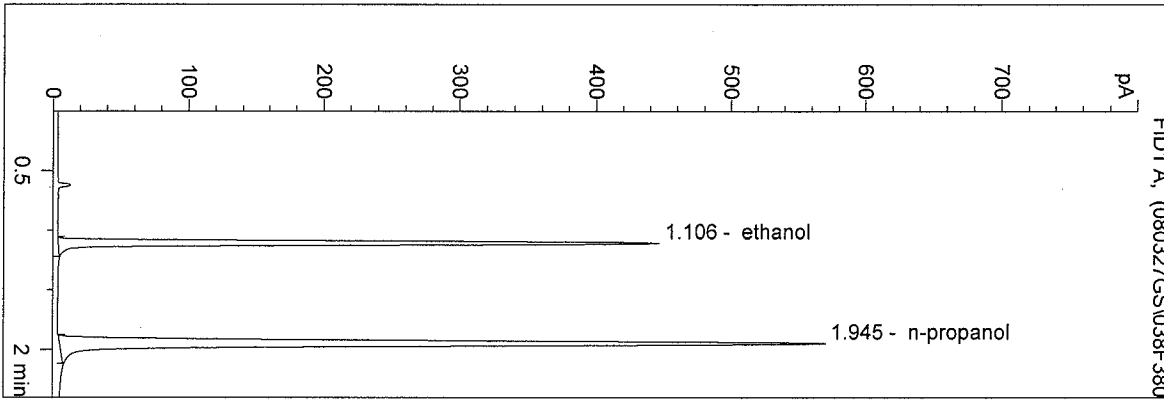
*MS*



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:14:12 PM  
 Instrument 5  
 DB-ALC2

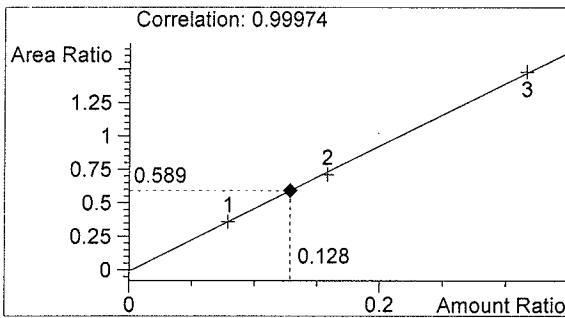
QA08012-GS5  
 Gwynyth Scherperel

vial # 38



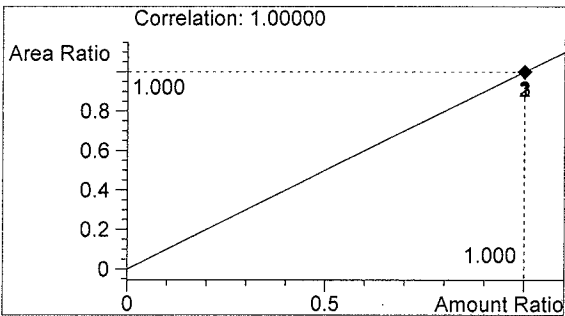
#	Compound	Area	RT
1	ethanol	1049	1.106
2	n-propanol	1780	1.945

Totals:



ethanol 0.128 g/100ml

*Handwritten mark*

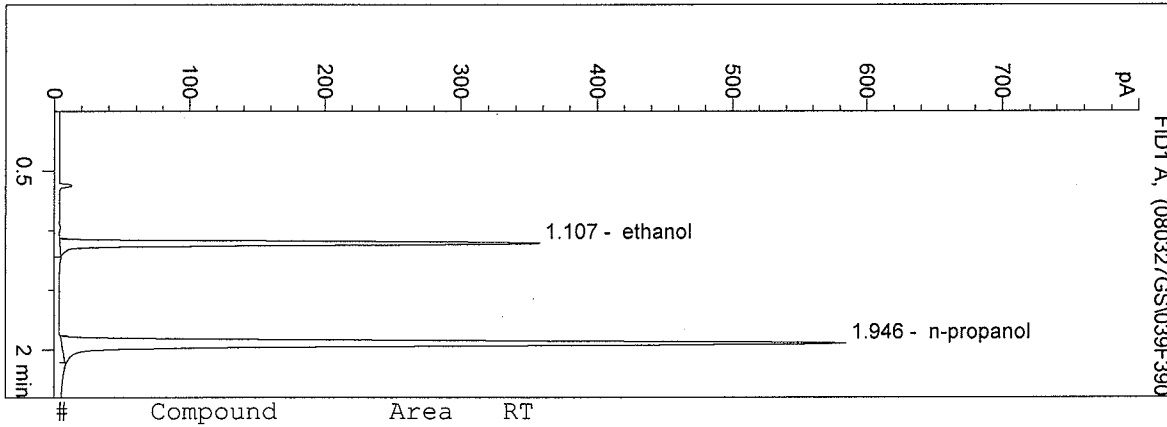


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:17:35 PM  
 Instrument 5  
 DB-ALC2

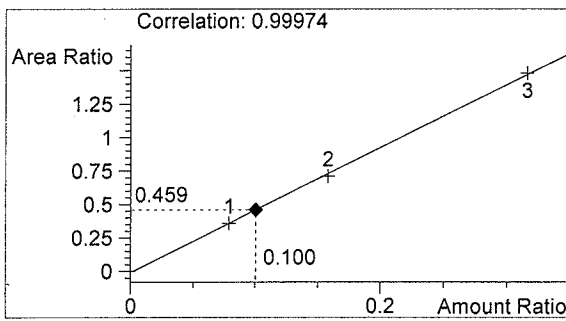
0.10 CTRL GS  
 Gwynyth Scherperel

vial # 39

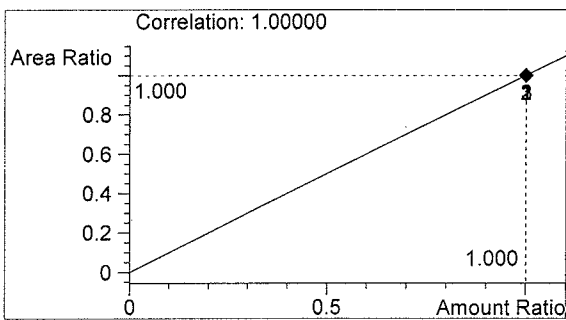


#	Compound	Area	RT
1	ethanol	832	1.107
2	n-propanol	1814	1.946

Totals:



ethanol 0.100 g/100ml



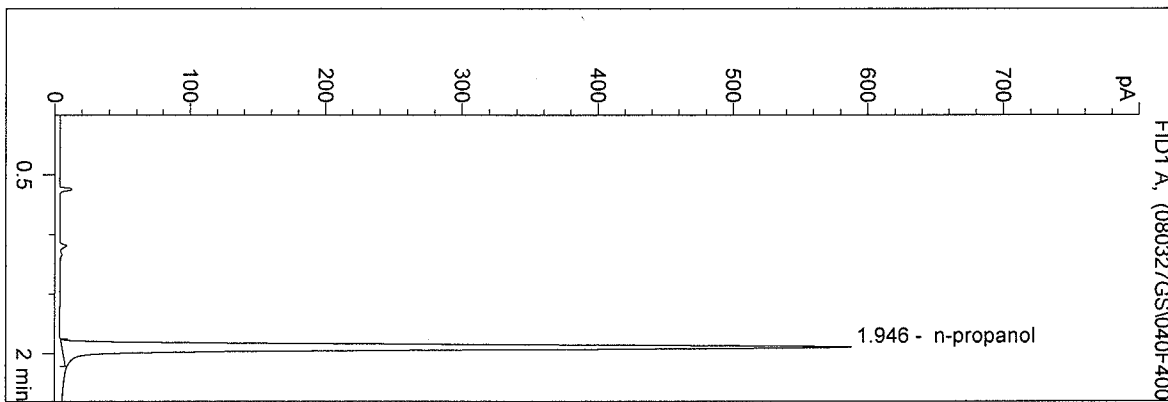
n-propanol 1.000 g/100ml

*Handwritten initials*

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 3/27/2008 6:20:59 PM  
 Instrument 5  
 DB-ALC2

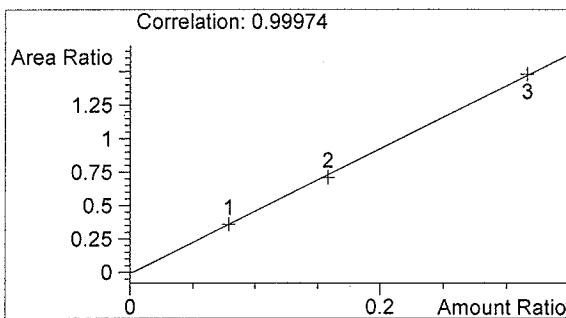
BLANK  
 Gwynyth Scherperel

vial # 40



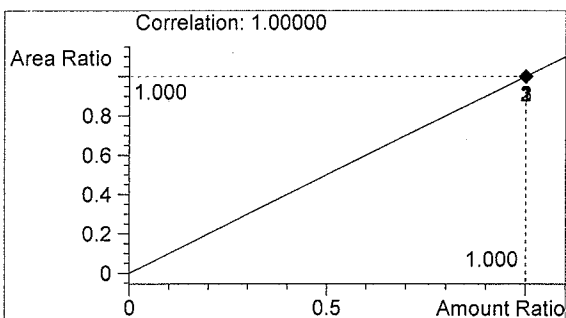
#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1826	1.946

Totals:



ethanol 0.000 g/100ml

287



n-propanol 1.000 g/100ml