

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



Reviewer/s: KENDRICK / ROB GULLBERG Date: 4-10-2008

Location: TOX LAB SEATTLE Solution Batch Number: 08011

	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: 4-10-08

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 **08011**

Date prepared: 03/26/2008

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	0.102	0.099	0.099
2	0.099	0.100	0.100
3	0.103	0.100	0.100
4	0.099	0.101	0.100
5	0.102	0.100	0.099
Ctrl	0.102	0.102	0.100

Statistics:

Avg. solution concent.: 0.1002 g/100 mL

SD: 0.00126

Range (3.8XSD): 0.0954 to 0.1050

Precision CV (%): 1.2624 %

External Control:

Lot #: A050528 Exp date: 07 / 2011

Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.0815 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 08011

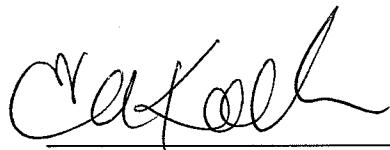
I, Erin A Kolbrich, do certify under penalty of perjury that:

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 08011, 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

CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08011

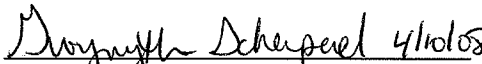
I, Gwynyth Scherperel, do certify under penalty of perjury that:

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 08011, 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 Date
Forensic Toxicologist

GS/jr
GSQA



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 FOR LOT 08011


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 08011, 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



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:

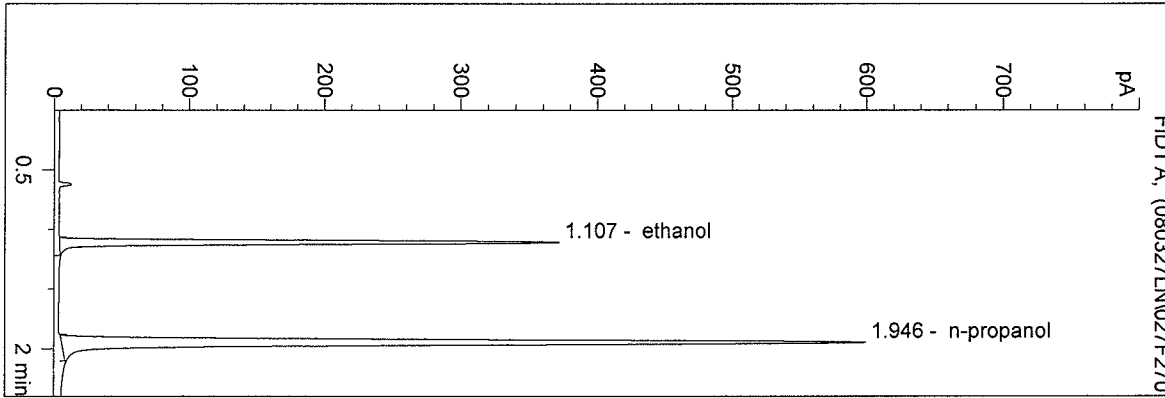
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

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	_____

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 1:33:22 PM
 Instrument 5
 DB-ALC2

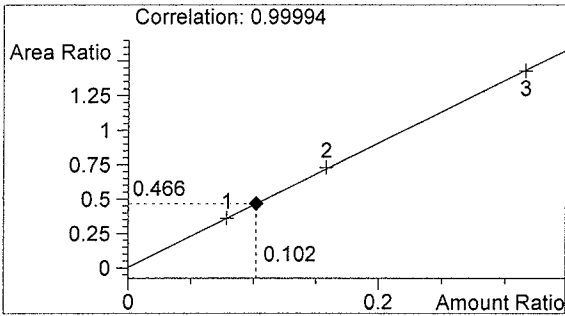
08011-1
 Lisa Noble

vial # 27



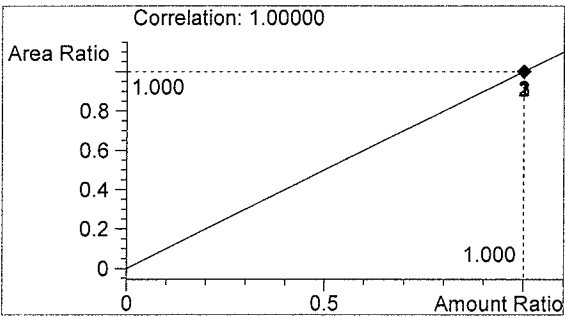
#	Compound	Area	RT
1	ethanol	863	1.107
2	n-propanol	1854	1.946

Totals:



ethanol 0.102 g/100ml

Ln



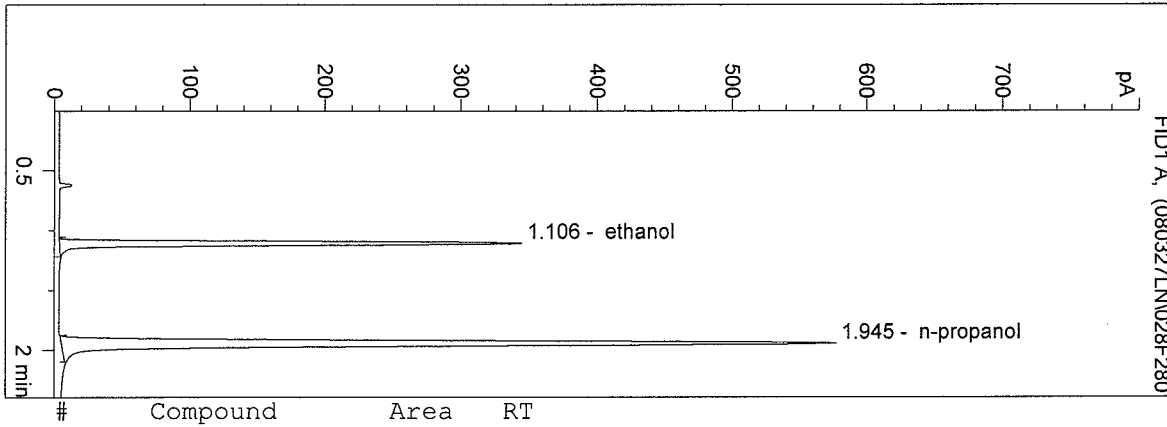
n-propanol 1.000 g/100ml

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

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 Instrument 5
 DB-ALC2

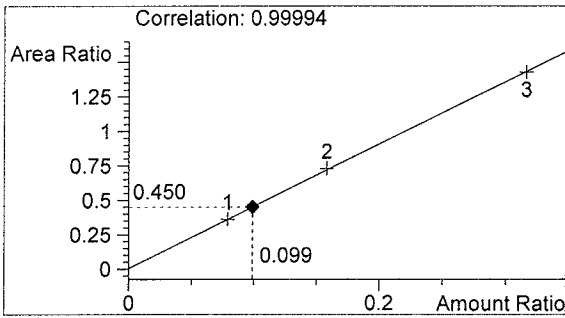
08011-2
 Lisa Noble

vial # 28



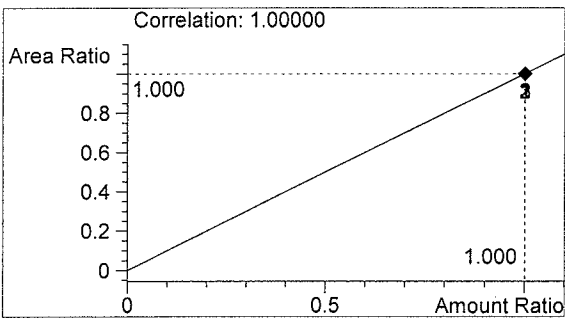
#	Compound	Area	RT
1	ethanol	806	1.106
2	n-propanol	1790	1.945

Totals:



ethanol 0.099 g/100ml

Handwritten signature

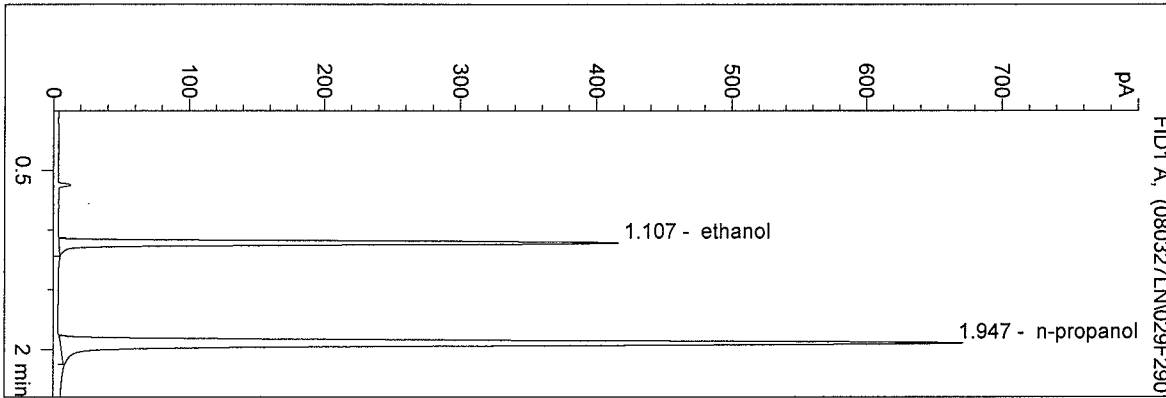


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

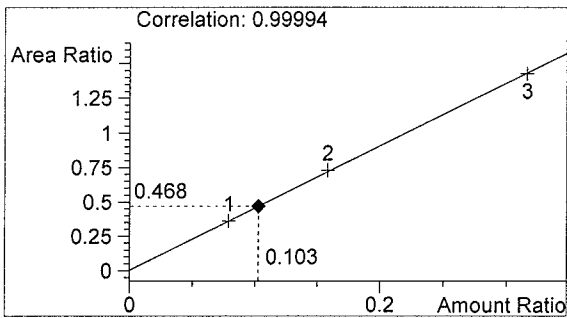
08011-3
 Lisa Noble

vial # 29



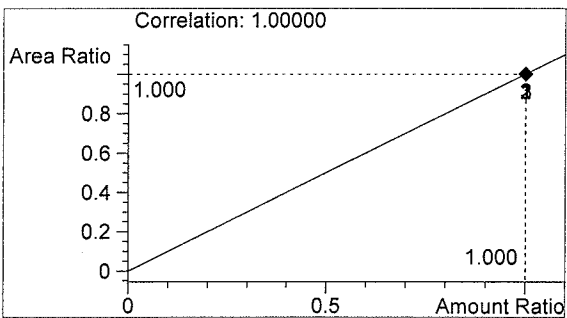
#	Compound	Area	RT
1	ethanol	970	1.107
2	n-propanol	2074	1.947

Totals:



ethanol 0.103 g/100ml

Handwritten signature

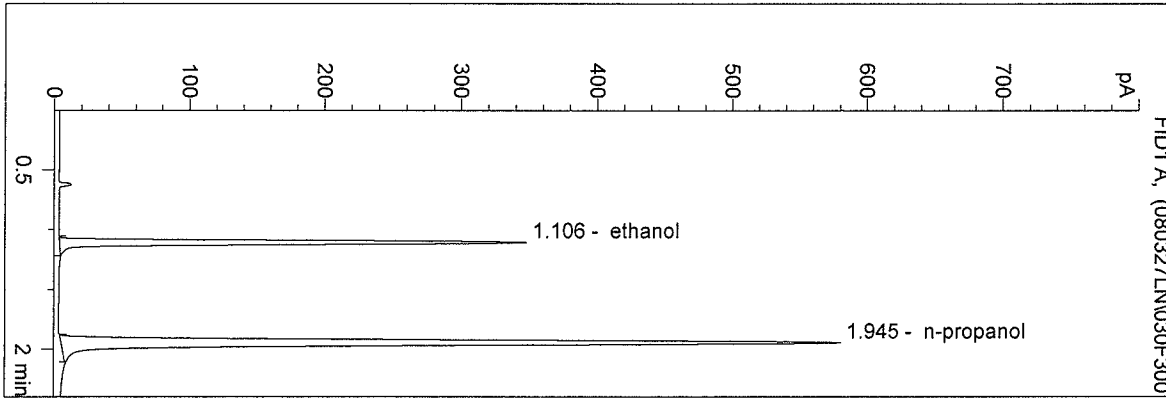


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

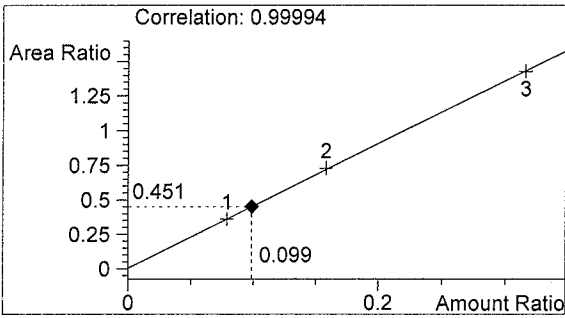
08011-4
 Lisa Noble

vial # 30



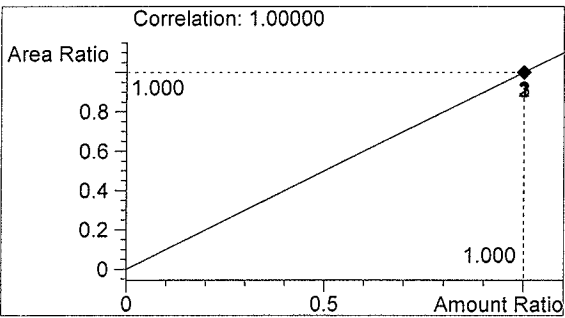
#	Compound	Area	RT
1	ethanol	814	1.106
2	n-propanol	1807	1.945

Totals:



ethanol 0.099 g/100ml

ln

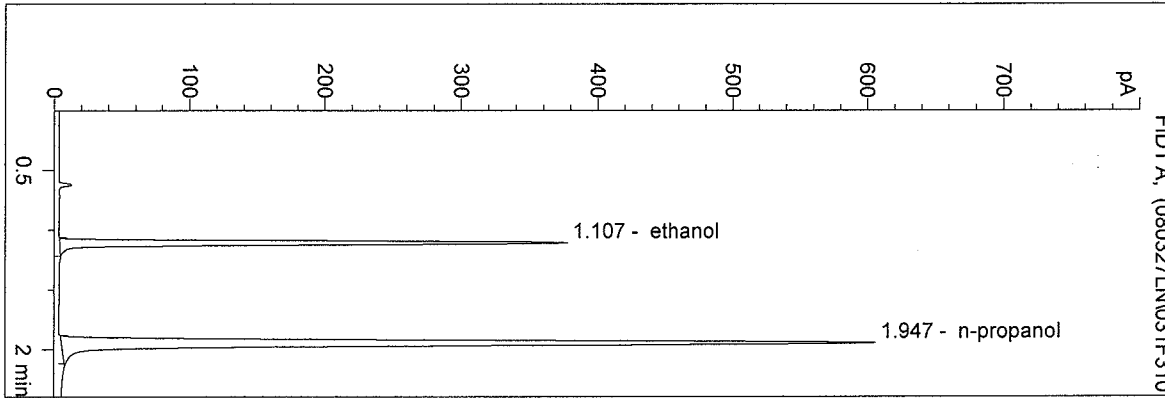


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

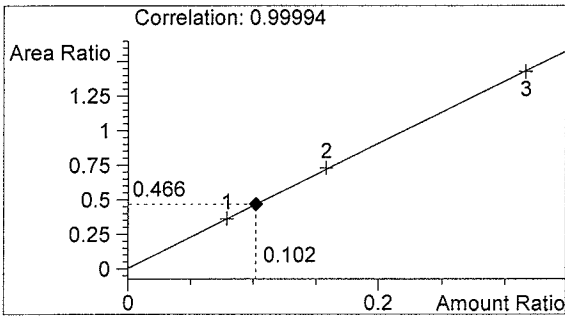
08011-5
 Lisa Noble

vial # 31



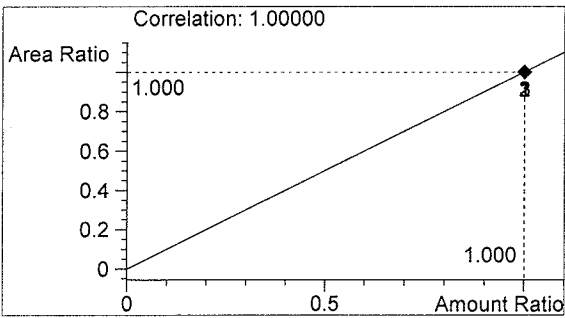
#	Compound	Area	RT
1	ethanol	874	1.107
2	n-propanol	1877	1.947

Totals:



ethanol 0.102 g/100ml

Handwritten signature

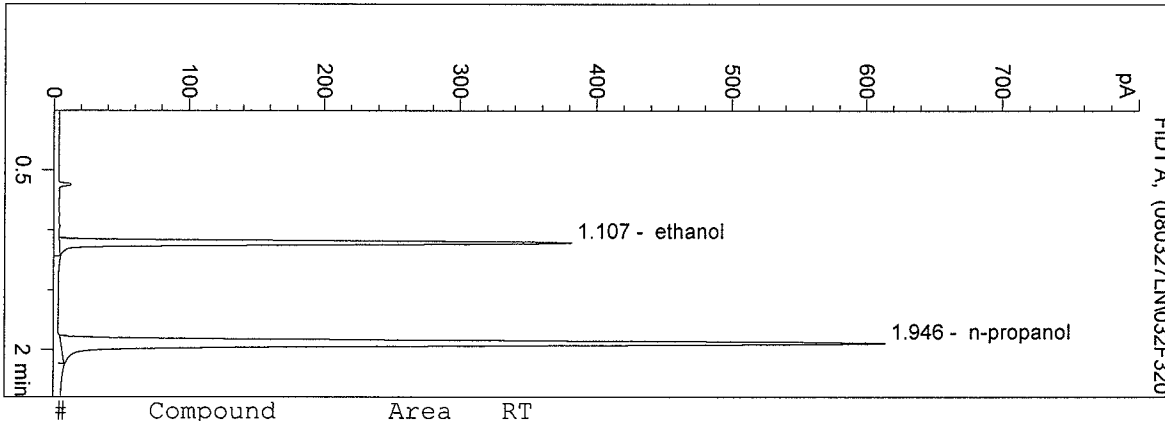


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

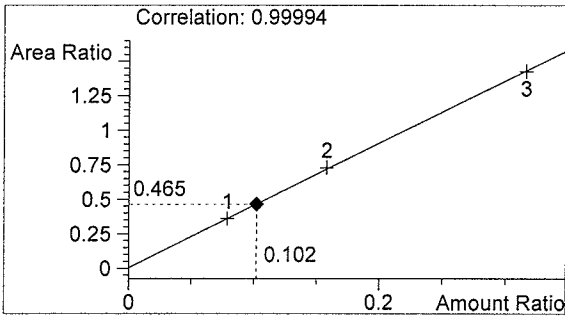
0.10 CONTROL LN
 Lisa Noble

vial # 32



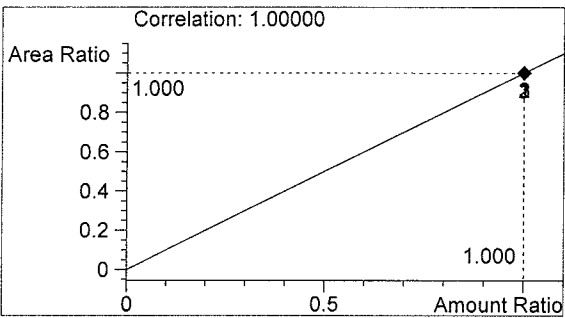
#	Compound	Area	RT
1	ethanol	883	1.107
2	n-propanol	1898	1.946

Totals:



ethanol 0.102 g/100ml

ln

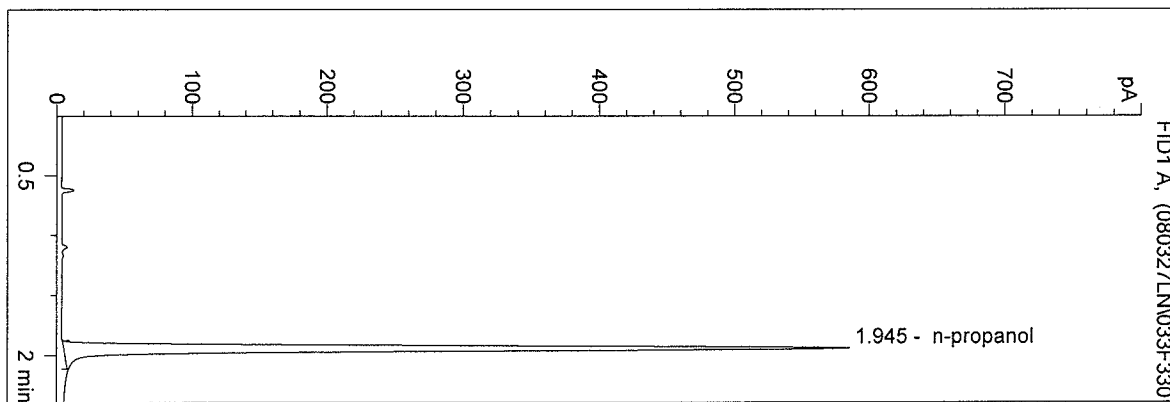


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

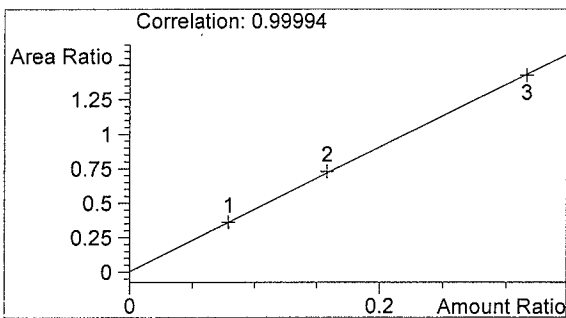
BLANK
 Lisa Noble

vial # 33

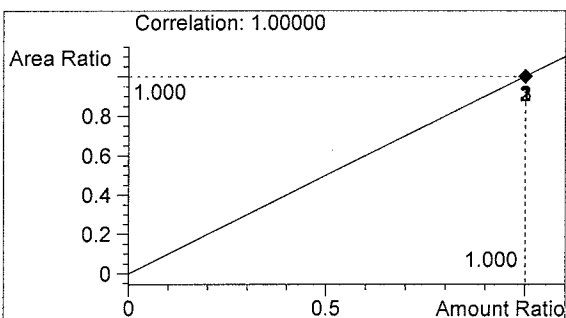


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1821	1.945

Totals:



ethanol 0.000 g/100ml



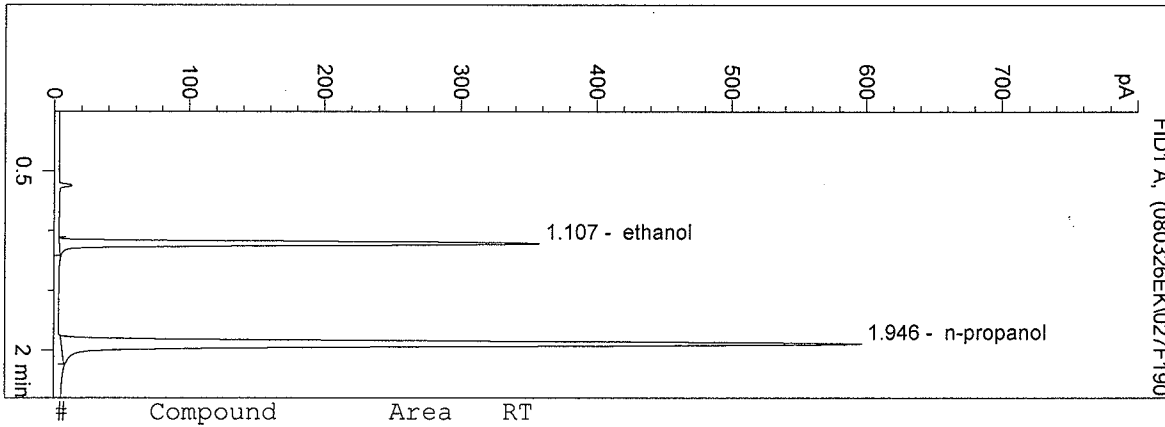
n-propanol 1.000 g/100ml

ln

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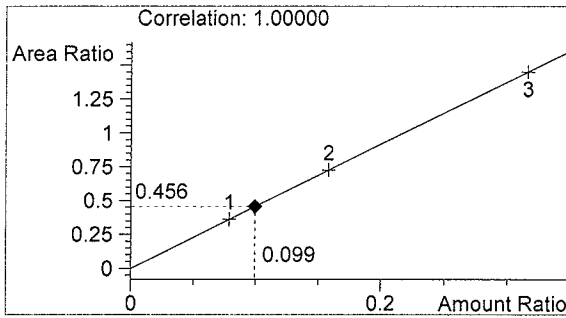
QA08011 1
 Erin Kolbrich

vial # 27

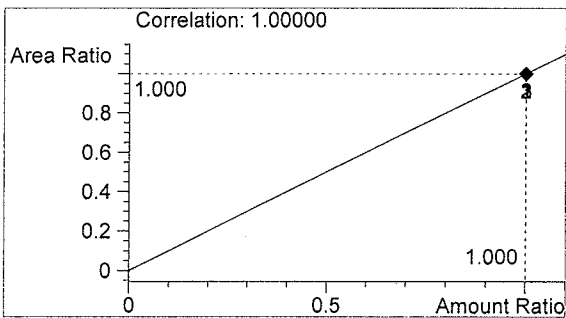


#	Compound	Area	RT
1	ethanol	844	1.107
2	n-propanol	1851	1.946

Totals:



ethanol 0.099 g/100ml



n-propanol 1.000 g/100ml

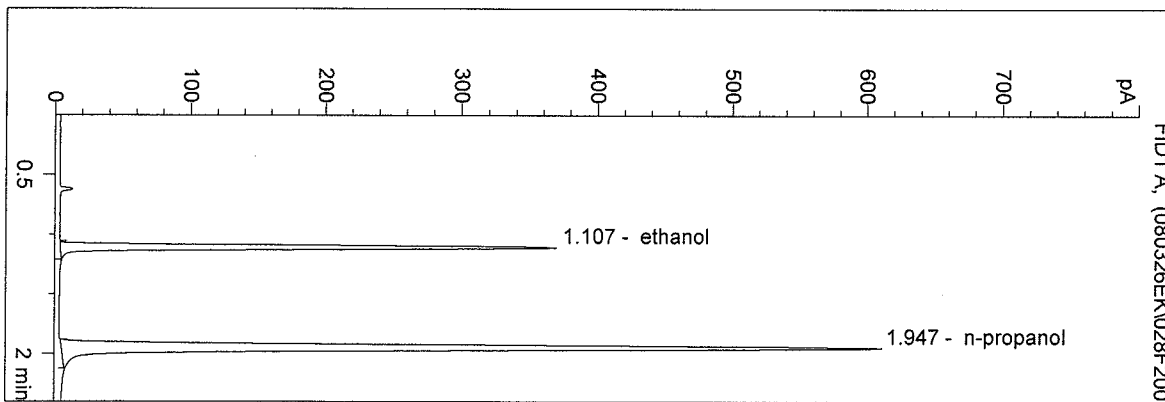
EW

celeb with
 SIM 08-009

D:\HPCHEM\1\METHODS\BLDALCO2.M
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 Instrument 5
 DB-ALC2

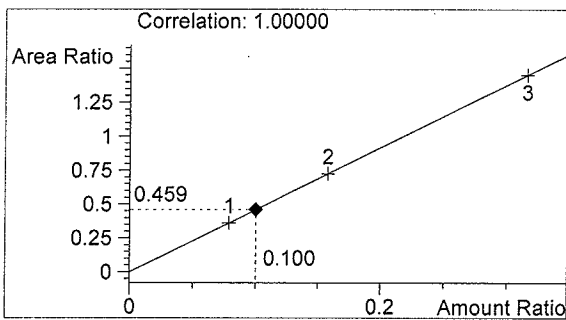
QA08011 2
 Erin Kolbrich

vial # 28

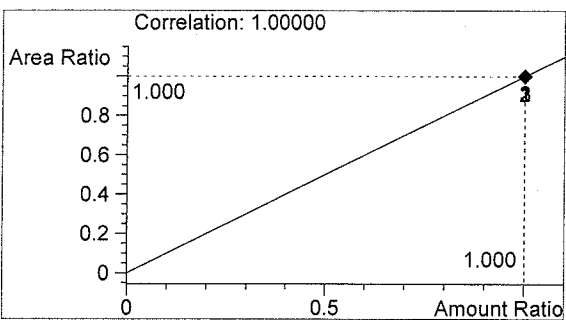


#	Compound	Area	RT
1	ethanol	873	1.107
2	n-propanol	1900	1.947

Totals:



ethanol 0.100 g/100ml

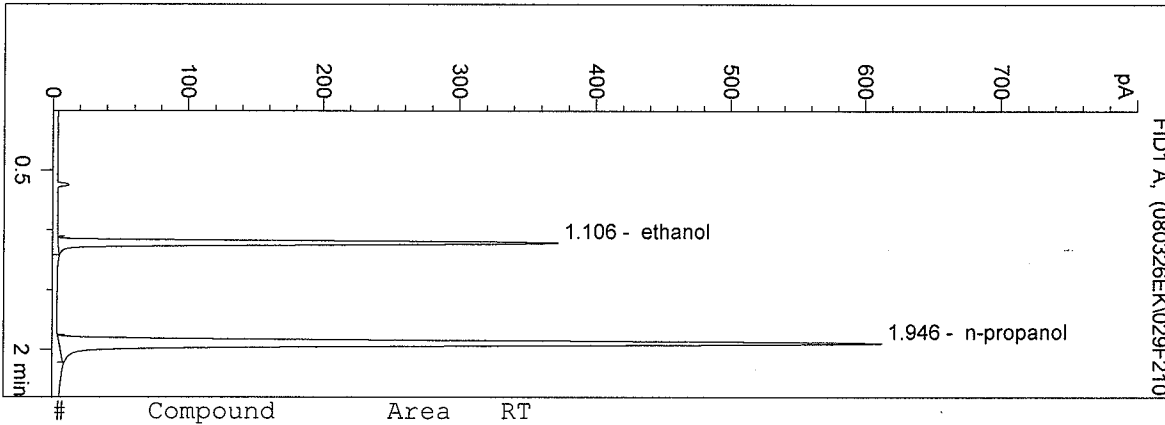


n-propanol 1.000 g/100ml

EK

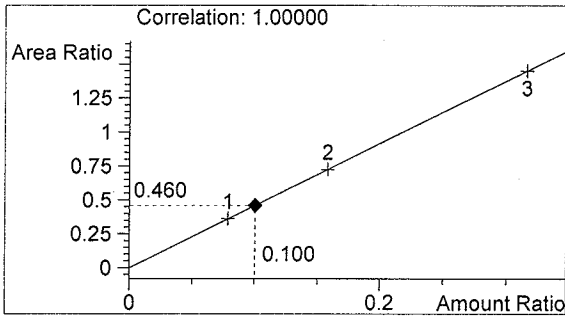
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 DB-ALC2

QA08011 3
 Erin Kolbrich
 vial # 29

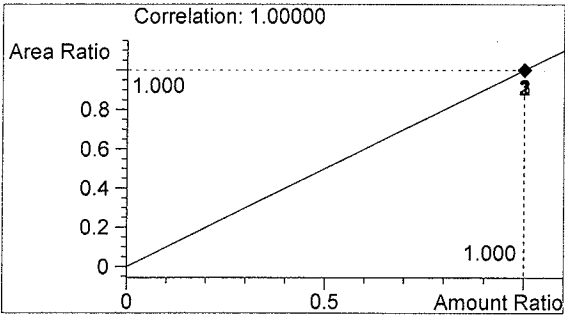


#	Compound	Area	RT
1	ethanol	875	1.106
2	n-propanol	1901	1.946

Totals:



ethanol 0.100 g/100ml



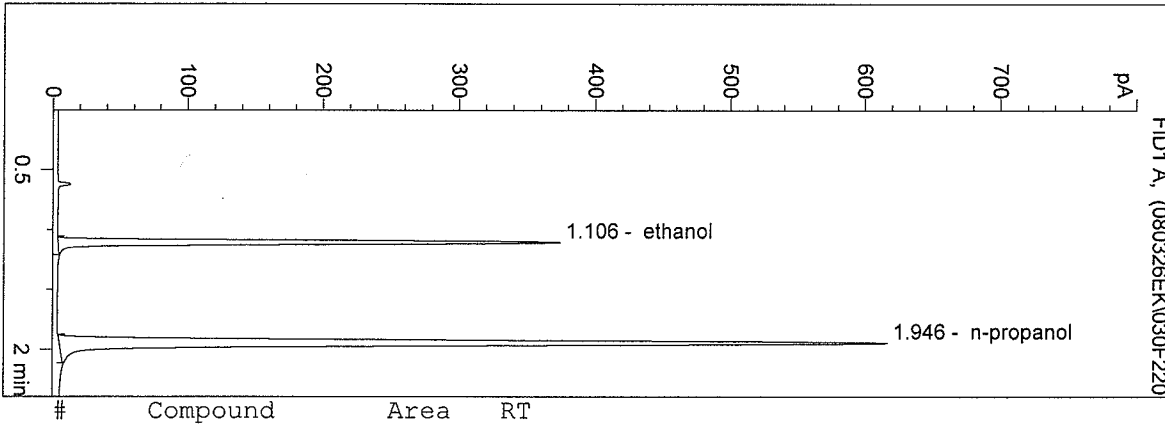
n-propanol 1.000 g/100ml

EK

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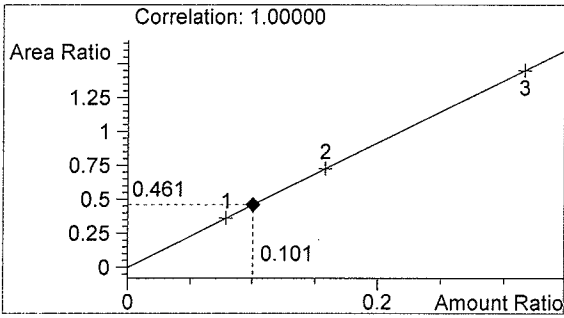
QA08011 4
 Erin Kolbrich

vial # 30

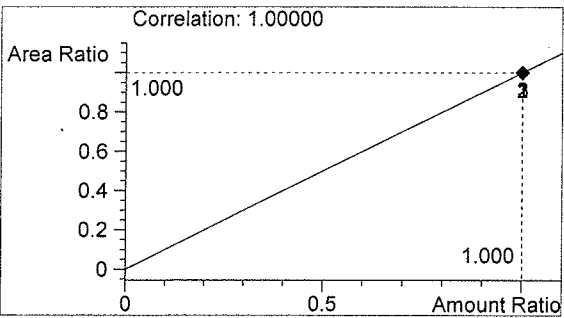


#	Compound	Area	RT
1	ethanol	883	1.106
2	n-propanol	1916	1.946

Totals:



ethanol 0.101 g/100ml

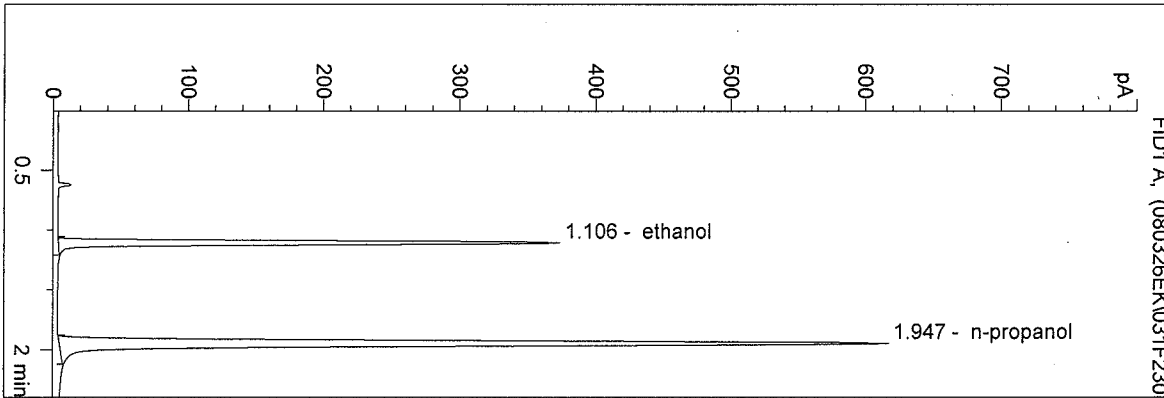


n-propanol 1.000 g/100ml

Erin

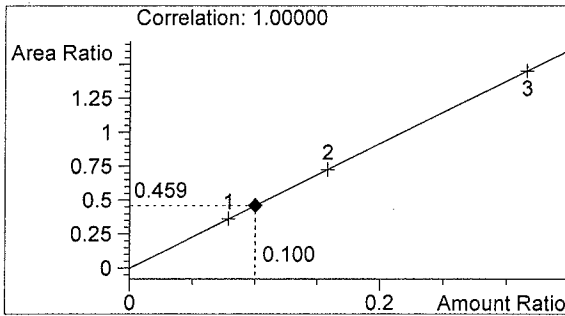
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 Instrument 5
 DB-ALC2

QA08011 5
 Erin Kolbrich
 vial # 31

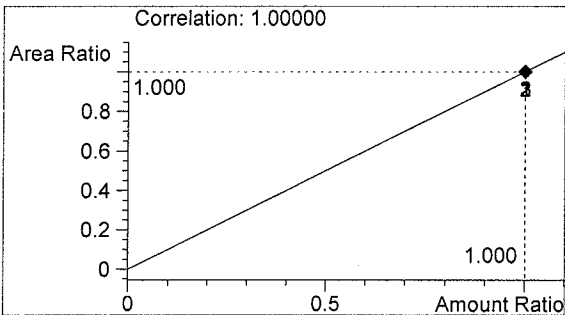


#	Compound	Area	RT
1	ethanol	881	1.106
2	n-propanol	1918	1.947

Totals:



ethanol 0.100 g/100ml



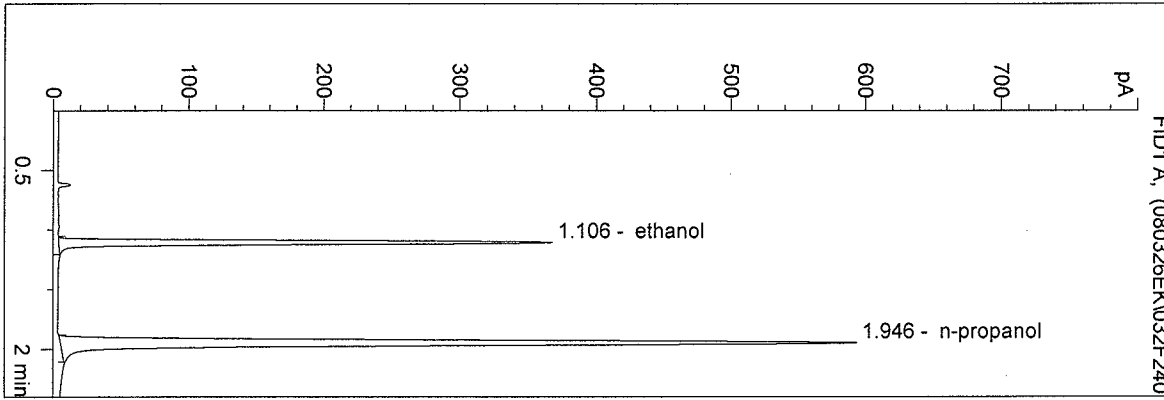
n-propanol 1.000 g/100ml

EK

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 3/26/2008 2:35:57 PM
 Instrument 5
 DB-ALC2

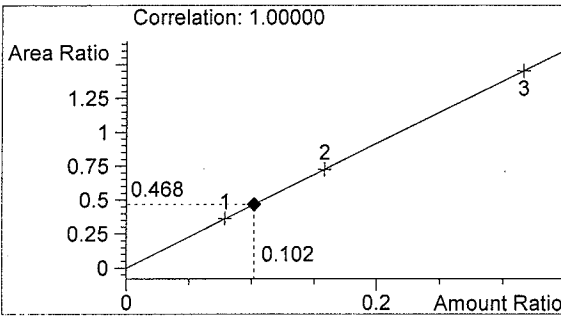
0.10 CTRL EK
 Erin Kolbrich

vial # 32

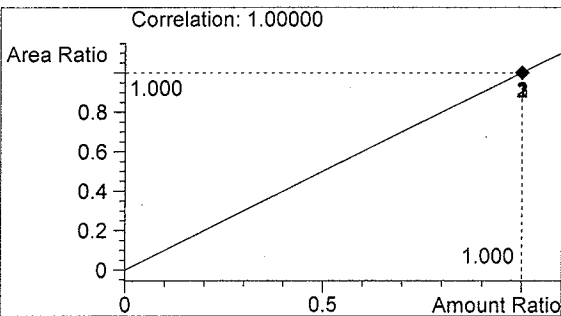


#	Compound	Area	RT
1	ethanol	861	1.106
2	n-propanol	1841	1.946

Totals:



ethanol 0.102 g/100ml



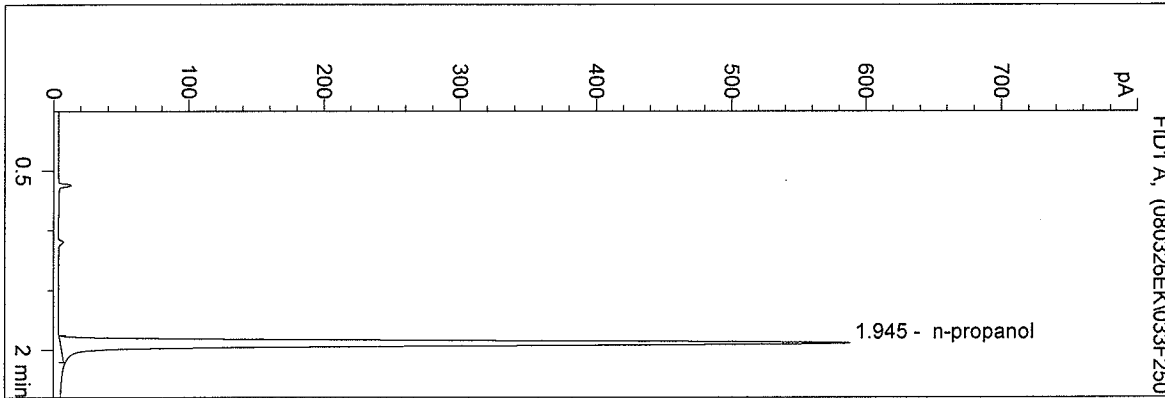
n-propanol 1.000 g/100ml

EK

D:\HPCHEM\1\METHODS\BLDALCO2.M
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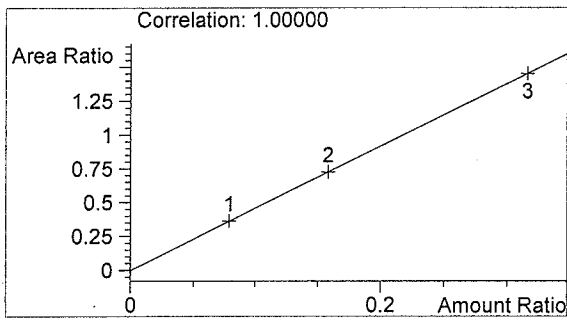
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 Erin Kolbrich

vial # 33

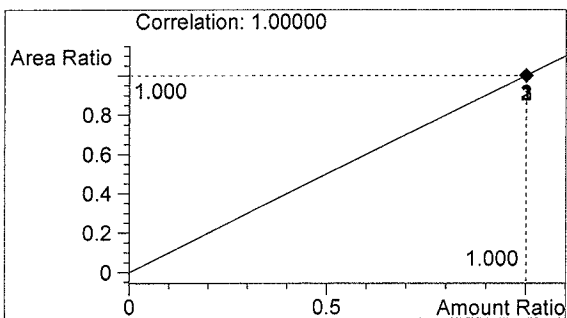


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1821	1.945

Totals:



ethanol 0.000 g/100ml



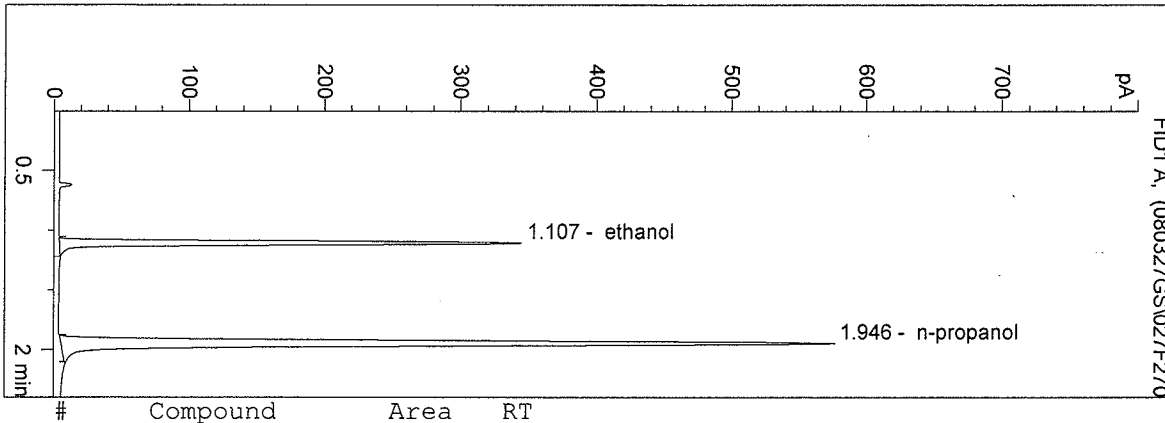
n-propanol 1.000 g/100ml

EK

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 Instrument 5
 DB-ALC2

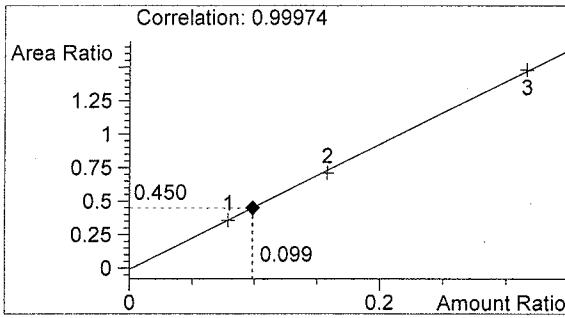
QA08011-GS1
 Gwynyth Scherperel

vial # 27



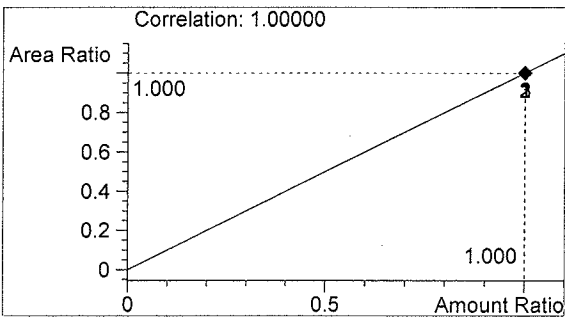
#	Compound	Area	RT
1	ethanol	806	1.107
2	n-propanol	1791	1.946

Totals:



ethanol 0.099 g/100ml

RS



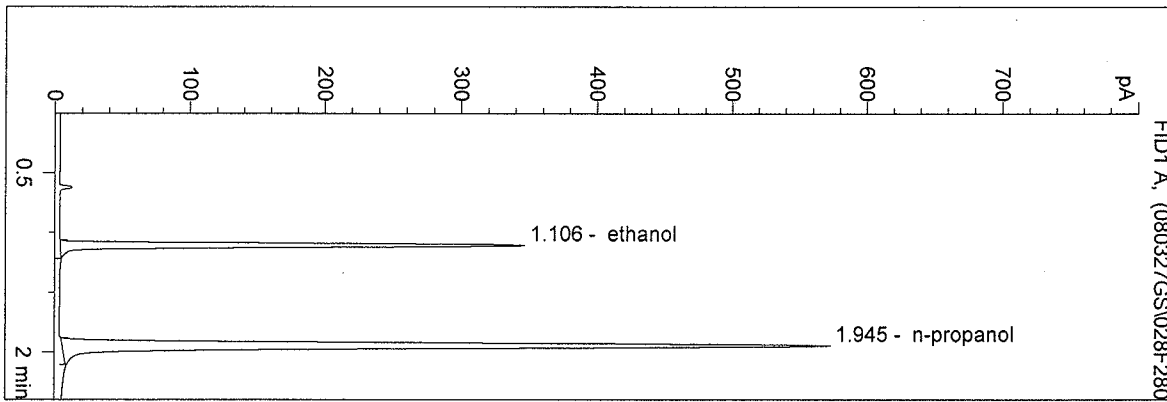
n-propanol 1.000 g/100ml

for calibration see
 SIM 08009
 JS 3/28/08

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:33:49 PM
 Instrument 5
 DB-ALC2

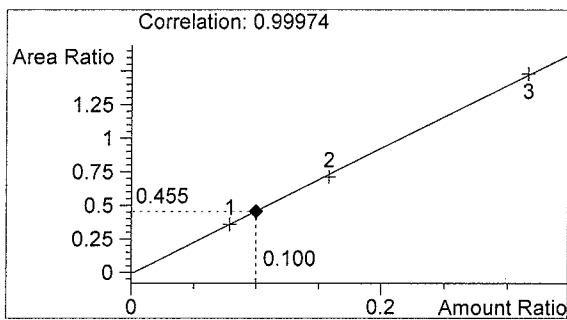
QA08011-GS2
 Gwynyth Scherperel

vial # 28



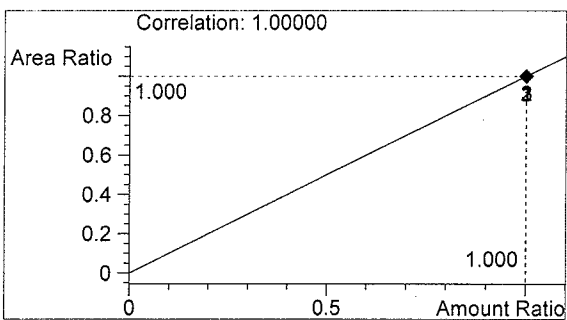
#	Compound	Area	RT
1	ethanol	811	1.106
2	n-propanol	1782	1.945

Totals:



ethanol 0.100 g/100ml

CS

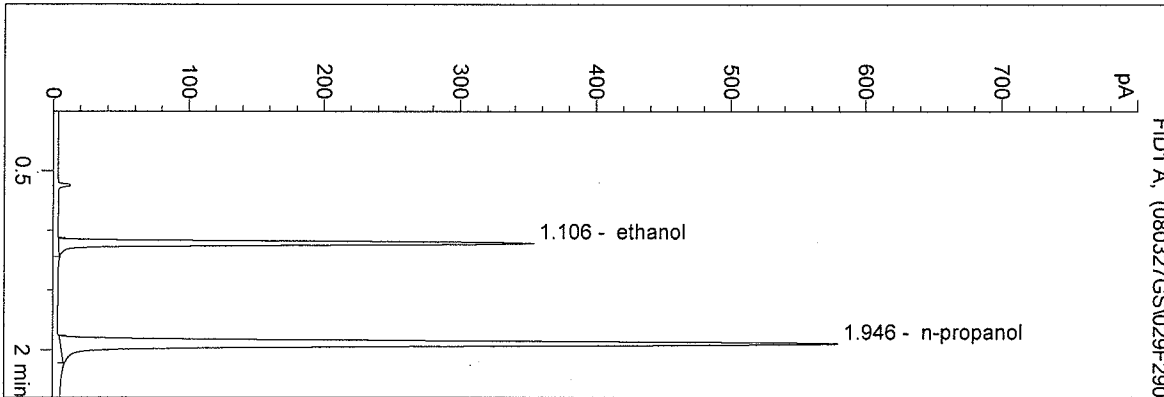


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:38:48 PM
 Instrument 5
 DB-ALC2

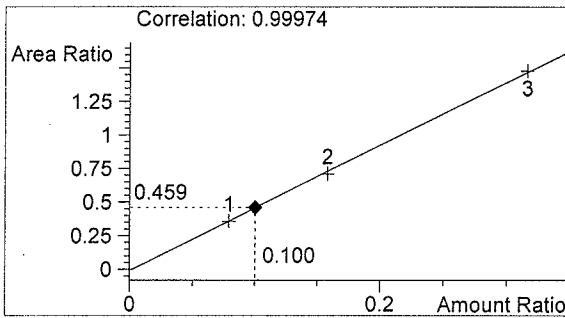
QA08011-GS3
 Gwynyth Scherperel

vial # 29



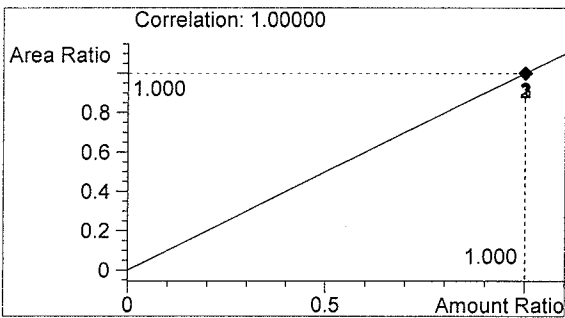
#	Compound	Area	RT
1	ethanol	824	1.106
2	n-propanol	1798	1.946

Totals:



ethanol 0.100 g/100ml

CS

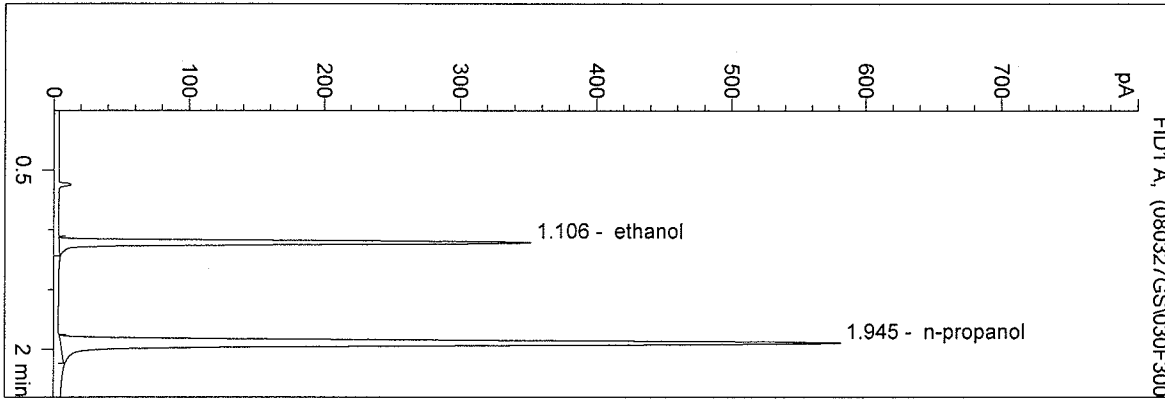


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:42:14 PM
 Instrument 5
 DB-ALC2

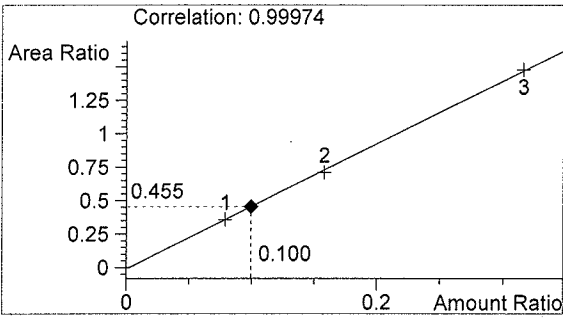
QA08011-GS4
 Gwynyth Scherperel

vial # 30



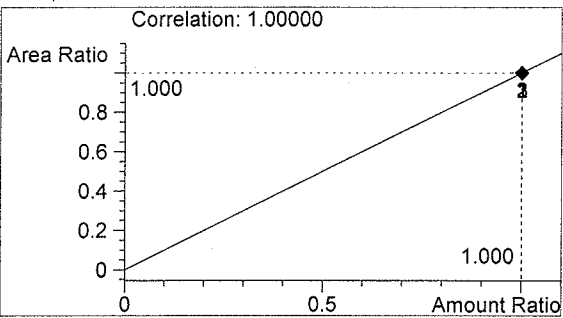
#	Compound	Area	RT
1	ethanol	823	1.106
2	n-propanol	1811	1.945

Totals:



ethanol 0.100 g/100ml

CS

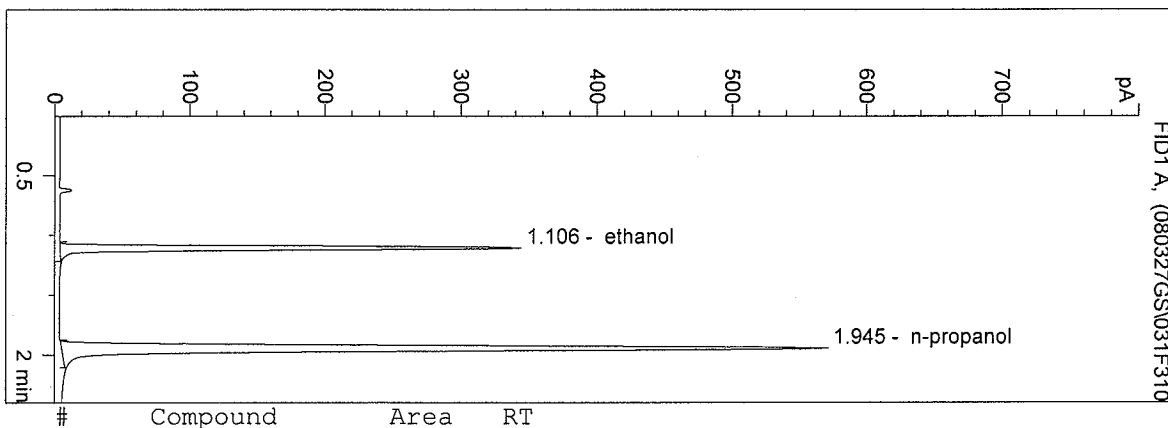


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:45:37 PM
 Instrument 5
 DB-ALC2

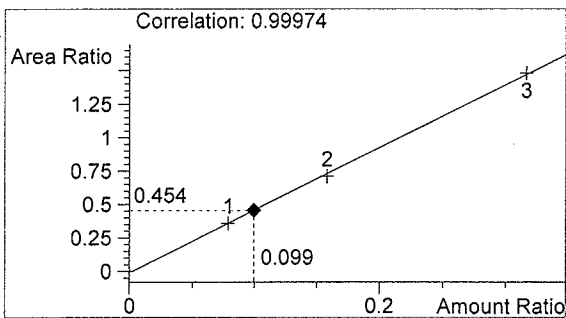
QA08011-GS5
 Gwynyth Scherperel

vial # 31



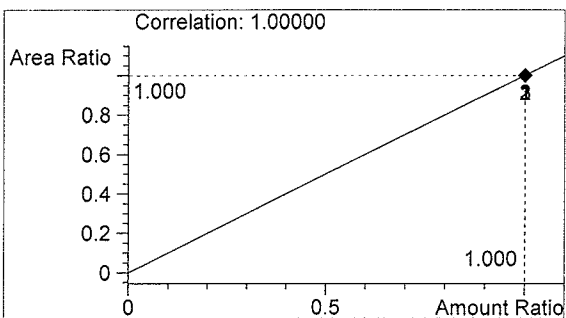
#	Compound	Area	RT
1	ethanol	806	1.106
2	n-propanol	1776	1.945

Totals:



ethanol 0.099 g/100ml

CS

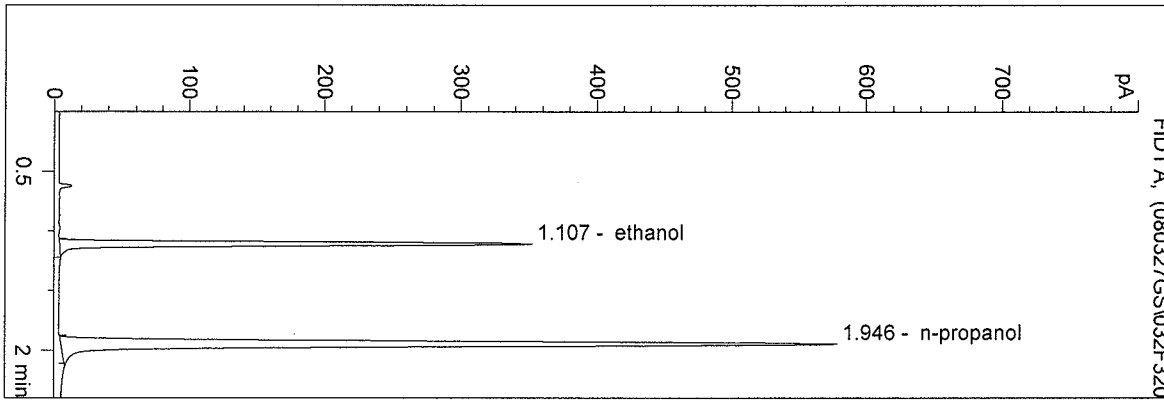


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:50:36 PM
 Instrument 5
 DB-ALC2

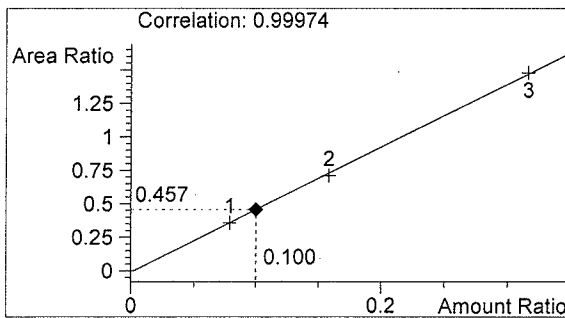
0.10 CTRL GS
 Gwynyth Scherperel

vial # 32



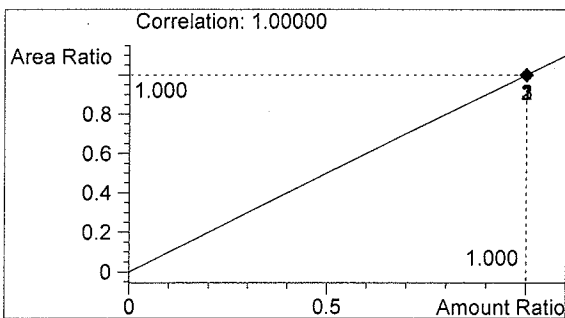
#	Compound	Area	RT
1	ethanol	821	1.107
2	n-propanol	1799	1.946

Totals:



ethanol 0.100 g/100ml

CS

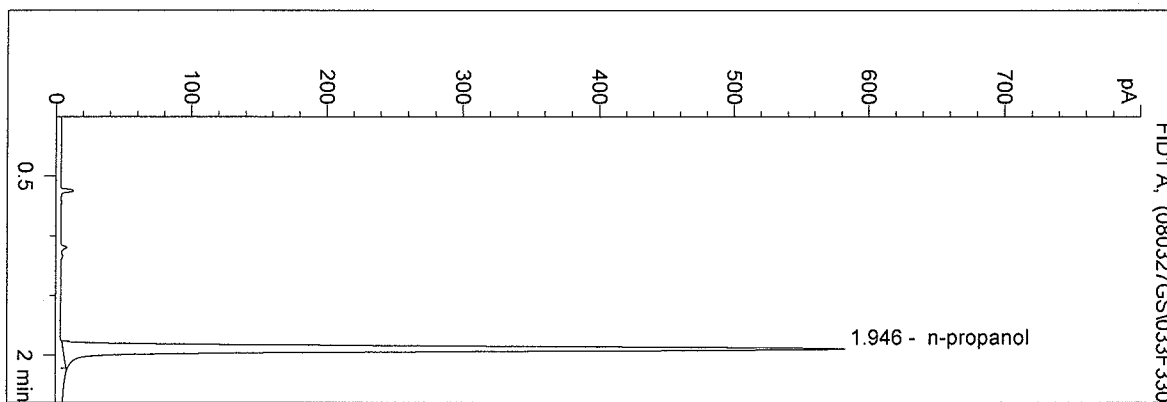


n-propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 3/27/2008 5:54:01 PM
 Instrument 5
 DB-ALC2

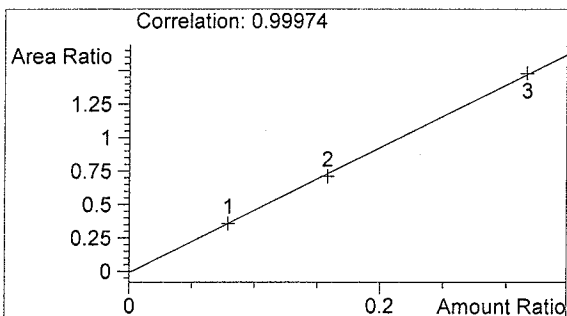
BLANK
 Gwynyth Scherperel

vial # 33



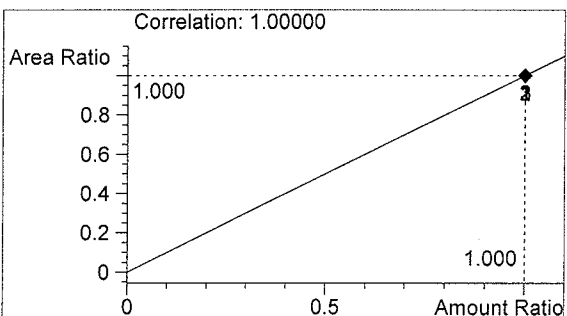
#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1808	1.946

Totals:



ethanol 0.000 g/100ml

GS



n-propanol 1.000 g/100ml