

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

SOLUTION CERTIFICATION DATABASE

Preparation and certification of **0.08** g/210L Quality Assurance solution
 Batch number **07057** Date prepared: 10/26/2007
 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	Anal 10	Anal 11	Anal 12	Anal 13	Anal 14	Anal 15	Anal 16
1	0.098	0.098	0.097													
2	0.098	0.100	0.097													
3	0.098	0.099	0.097													
4	0.098	0.100	0.097													
5	0.098	0.100	0.097													
Ctrl	0.099	0.099	0.098													

Statistics:
 Avg. solution concent.: 0.0981 g/100 mL
 SD: 0.00113
 Precision CV (%): 1.1473 %

External Control:
 Lot #: A050528 Exp date: ^{MM}07 / ^{YYYY}2011
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.0798 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
1	Christie Mitchell	<i>Christie Mitchell</i>	10/26/2007
2	Brianna Peterson	<i>Brianna Peterson</i>	10/29/2007
3	Amanda Black	<i>Amanda Black</i>	10/29/2007
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Christie Mitchell 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 and dated 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
Brianne Akins	
Brittany Ball	
Amanda Black OS	10-30-07
Brian Capron	
Rebecca Flaherty	
Ed Formoso	
Christopher Johnston	
Justin Knoy	
Asa Louis	
Estuardo Miranda	
Christie Mitchell CM	10/30/07
Lisa Noble	
Naziha Nuwayhid	
Melissa Pemberton	
Brianna Peterson BP	10/30/07
Sarah Swenson	

WASHINGTON STATE TOXICOLOGY LABORATORY SIMULATOR SOLUTION DATA ENTRY REVIEW



Reviewer/s: KENNEDY / TROD GULLBERG Date: 11-19-2007

Location: TOX LAB SEATTLE Solution Batch Number: 07057

	YES	NO
Preparation date precedes all analysis dates:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All signatures present on Analysis sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Avg. solution concentration correct?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Range correct:	<input type="checkbox"/>	<input type="checkbox"/> N.A.
Equivalent vapor concentration correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
External Control information correct: (lot # and future date)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corrections Necessary/ Comments	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Reviewer Signature: Date: 11-19-07

Reviewer Signature: Date: 11/19/2007

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 07057

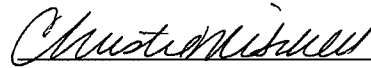
I, Christie Mitchell, do certify under penalty of perjury that:

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 07057, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. 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 10/26/2008.

Seattle, WA

 11/15/07
Christie Mitchell Date
Forensic Toxicologist

CM/ms
CMQA



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 07057

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 07057, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. 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 10/26/2008.

Seattle, WA

Brianna Peterson 11/15/07
Brianna Peterson Date
Forensic Toxicologist

BP/ms
BPQA



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 07057

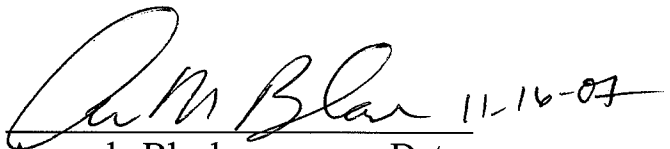
I, Amanda Black, do certify under penalty of perjury that:

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 Chemistry and Veterinary Science.

The quality assurance solution, Lot Number 07057, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. 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 10/26/2008.

Seattle, WA


Amanda Black 11-16-07
Forensic Toxicologist Date

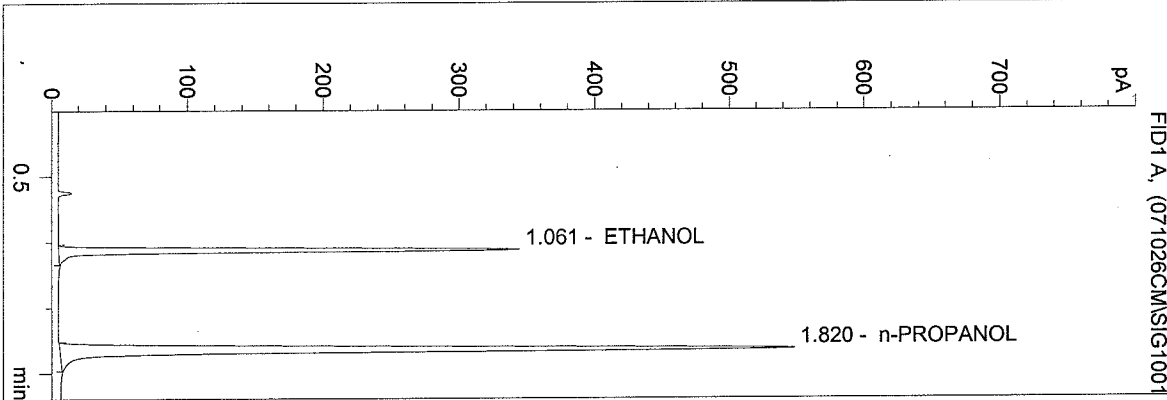
AB/ms
ABQA



C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 1:56:58 PM
 Instrument 3
 db-alc2

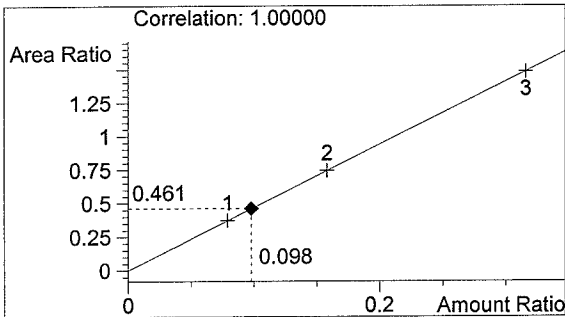
QA 07057-1
 Christie Mitchell

vial # 18

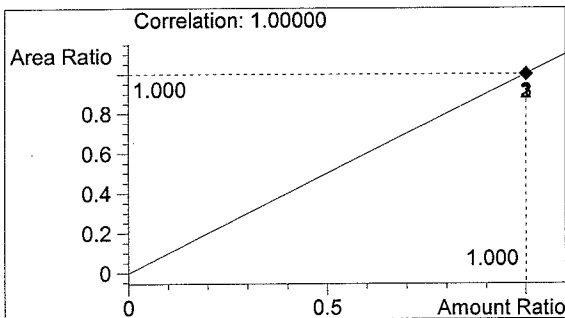


#	Compound	Area	RT
1	ETHANOL	704	1.061
2	n-PROPANOL	1525	1.820

Totals:



0.098 g/100ml



1.000 g/100ml

CM
 10/30/07

Calibration and controls in QA 07056

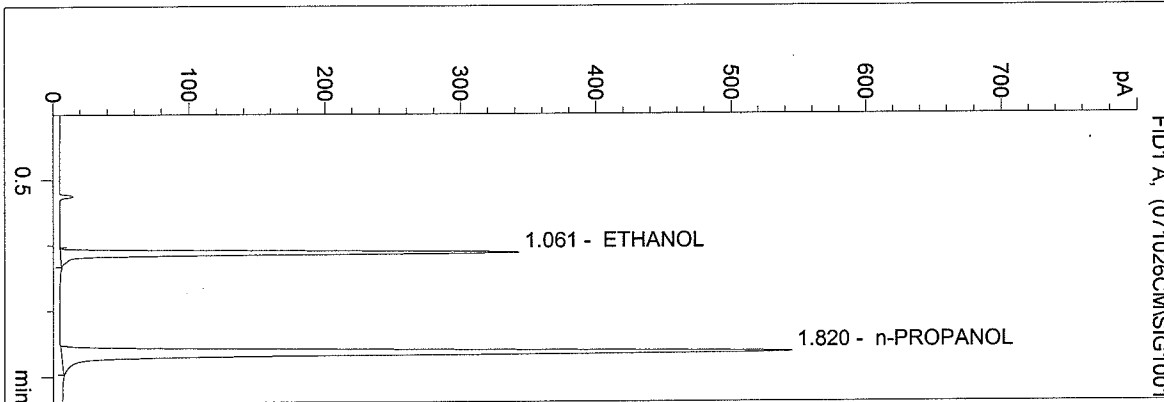
CM
 10/26/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:00:05 PM
 Instrument 3
 db-alc2

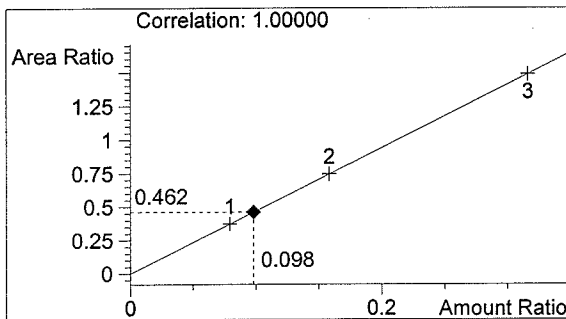
QA 07057-2
 Christie Mitchell

vial # 19



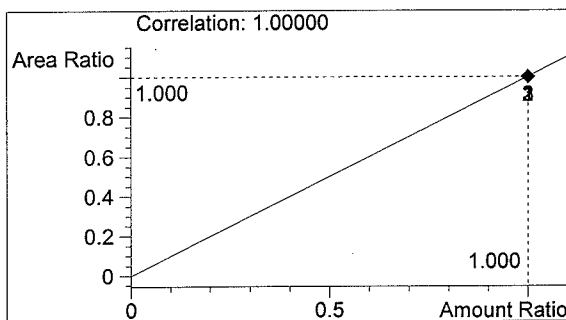
#	Compound	Area	RT
1	ETHANOL	699	1.061
2	n-PROPANOL	1513	1.820

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

1.000 g/100ml

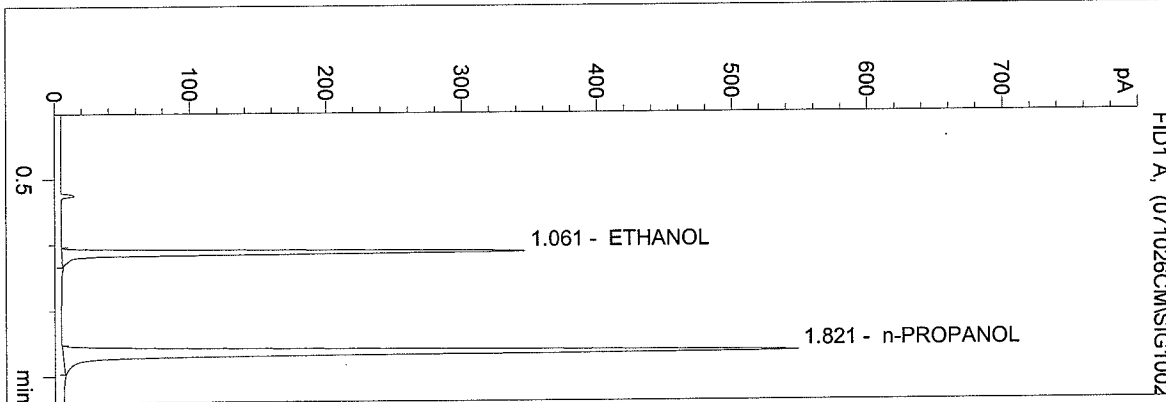
CM
 10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:03:12 PM
 Instrument 3
 db-alc2

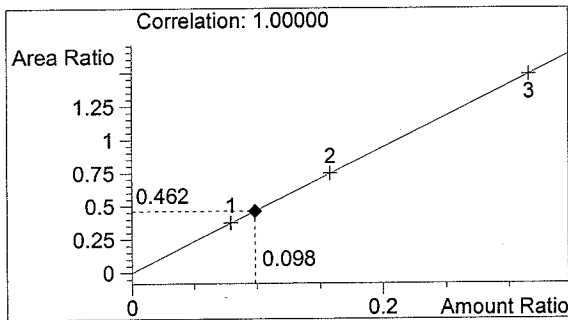
QA 07057-3
 Christie Mitchell

vial # 20



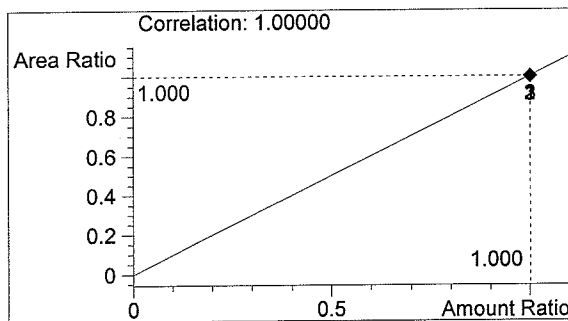
#	Compound	Area	RT
1	ETHANOL	703	1.061
2	n-PROPANOL	1522	1.821

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

1.000 g/100ml

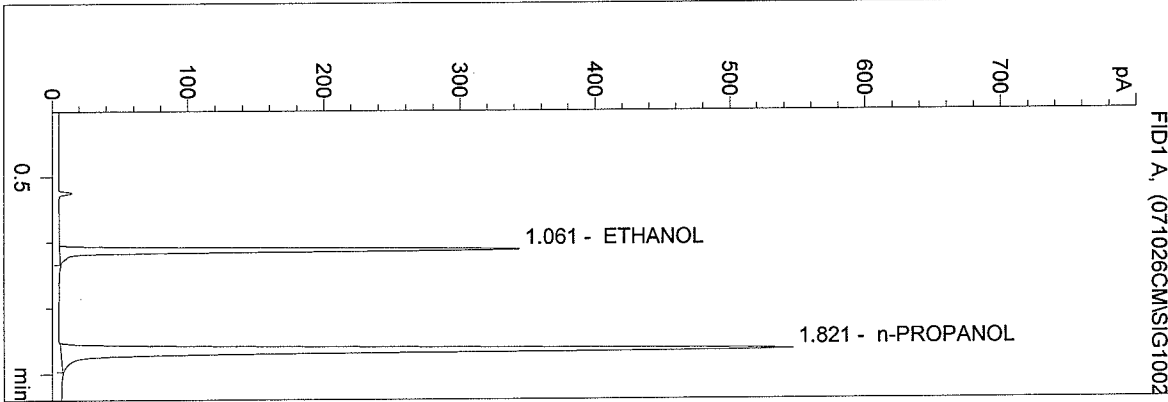
CM
 10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:06:19 PM
 Instrument 3
 db-alc2

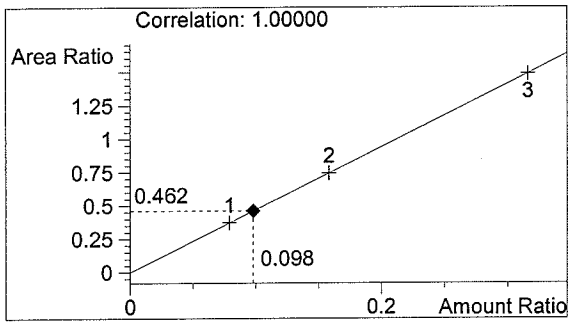
QA 07057-4
 Christie Mitchell

vial # 21



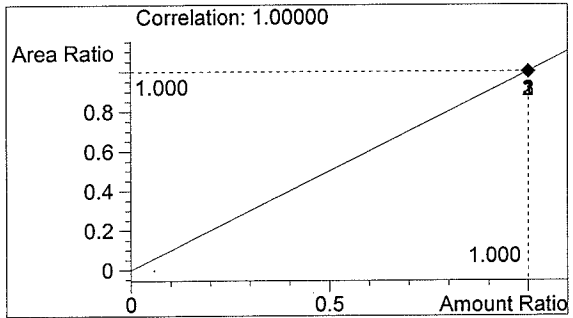
#	Compound	Area	RT
1	ETHANOL	699	1.061
2	n-PROPANOL	1515	1.821

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

1.000 g/100ml

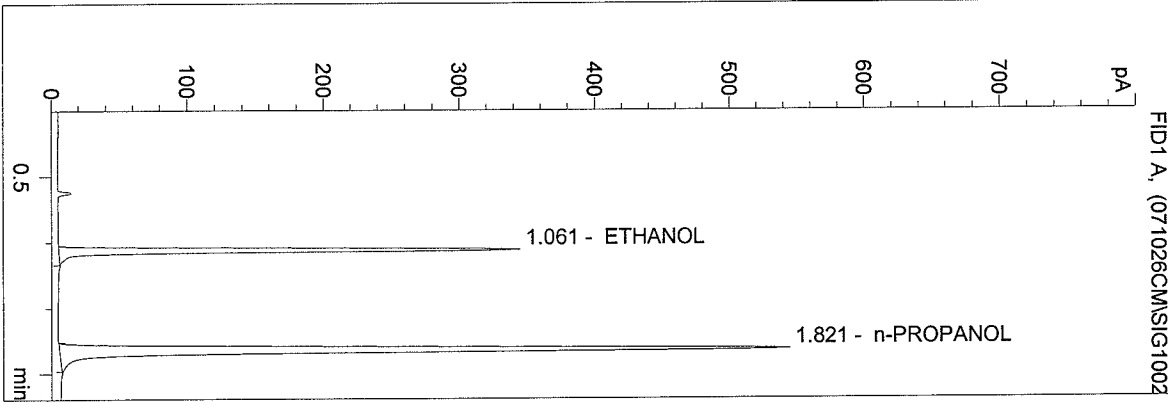
CM
 10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:09:27 PM
 Instrument 3
 db-alc2

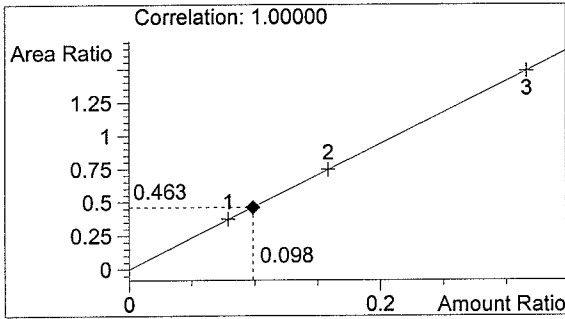
QA 07057-5
 Christie Mitchell

vial # 22



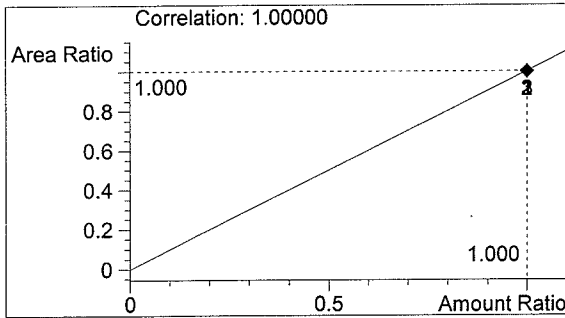
#	Compound	Area	RT
1	ETHANOL	701	1.061
2	n-PROPANOL	1513	1.821

Totals:



ETHANOL

0.098 g/100ml



n-PROPANOL

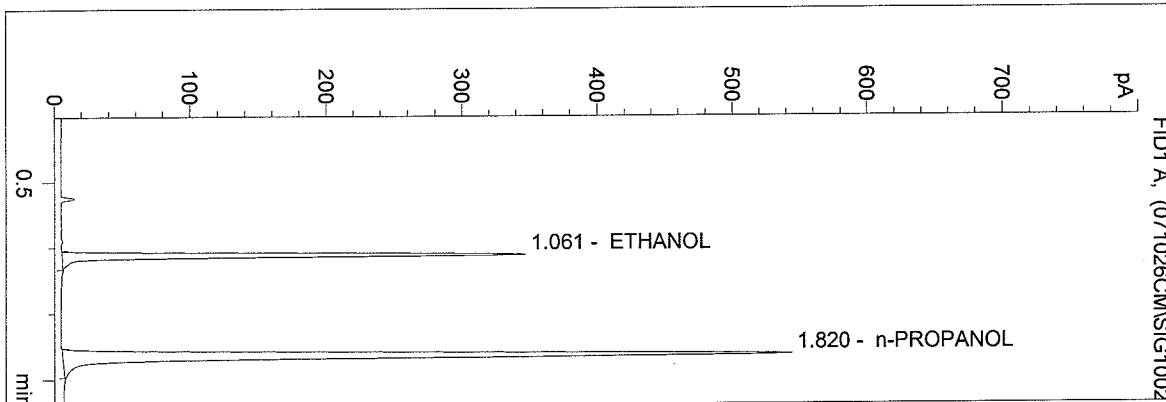
1.000 g/100ml

CM
 10/30/07

C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:12:34 PM
 Instrument 3
 db-alc2

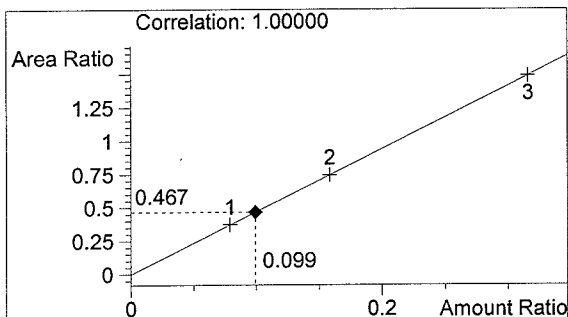
0.10 CONTROL-CM
 Christie Mitchell

vial # 23



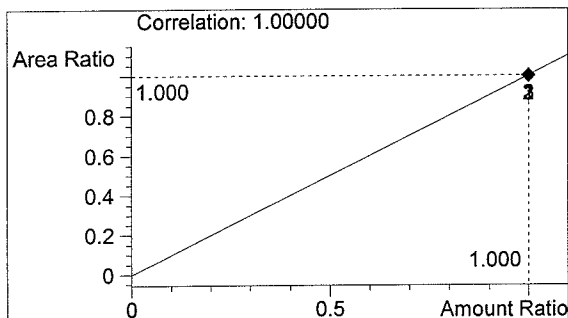
#	Compound	Area	RT
1	ETHANOL	706	1.061
2	n-PROPANOL	1511	1.820

Totals:



ETHANOL

0.099 g/100ml



n-PROPANOL

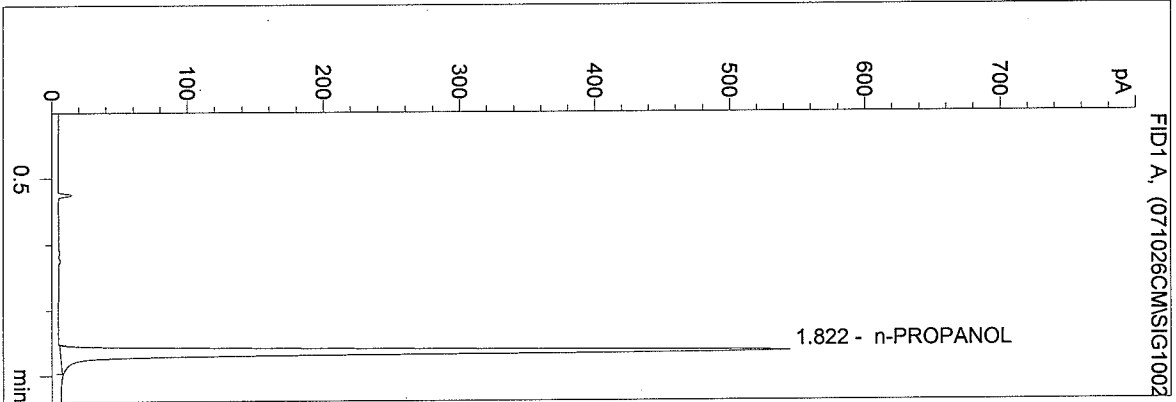
1.000 g/100ml

CM
 10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

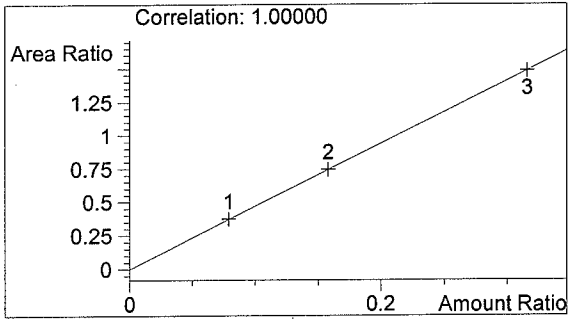
C:\HPCHEM\2\METHODS\BLDALCO3.M
 10/26/2007 2:15:41 PM
 Instrument 3
 db-alc2

BLANK
 Christie Mitchell
 vial # 24



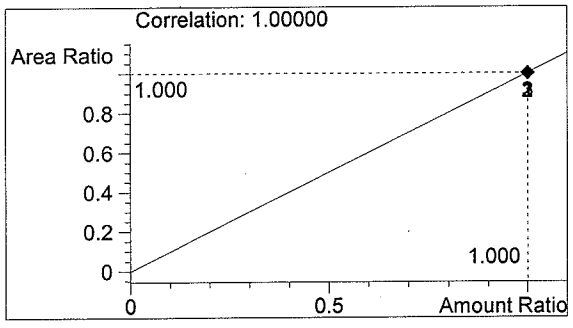
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1509	1.822

Totals:



ETHANOL

0.000 g/100ml



n-PROPANOL

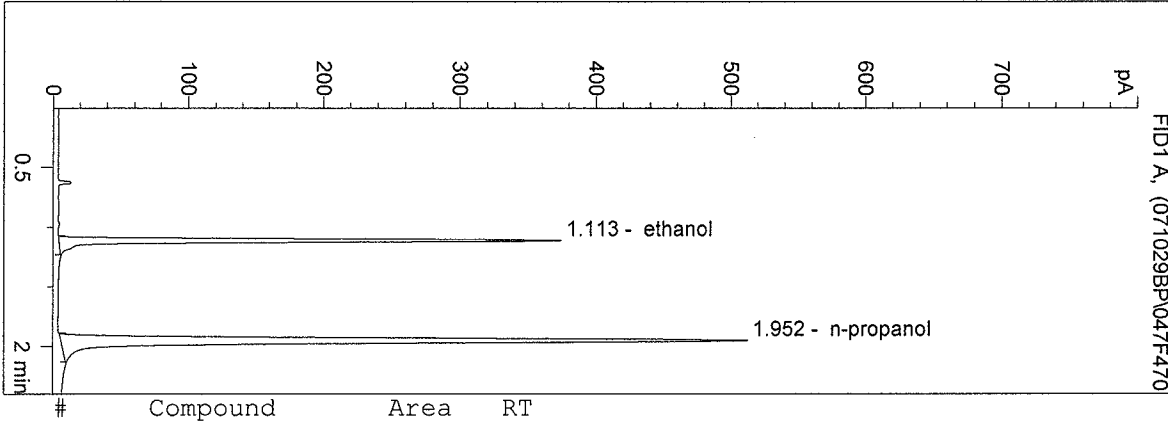
1.000 g/100ml

CM
 10/30/07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:23:08 PM
 Instrument 5
 DB-ALC2

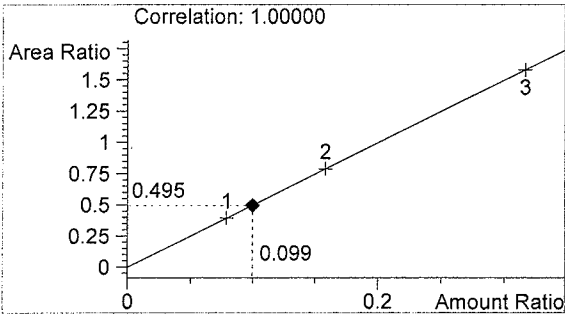
0.10 CTRL BP
 BRIANNA PETERSON

vial # 47

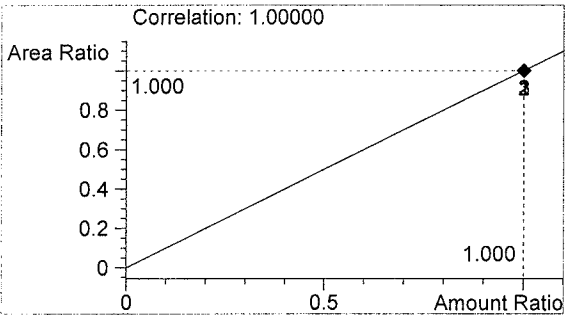


#	Compound	Area	RT
1	ethanol	751	1.113
2	n-propanol	1516	1.952

Totals:



ethanol 0.099 g/100ml



n-propanol 1.000 g/100ml

BP
 10-30-07

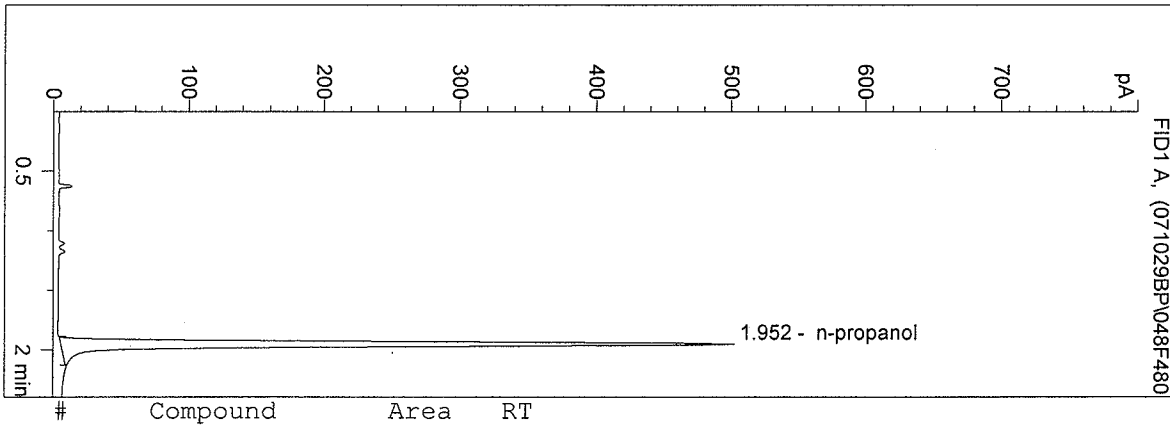
CALIBRATION DATA WITH
 0708356

BP

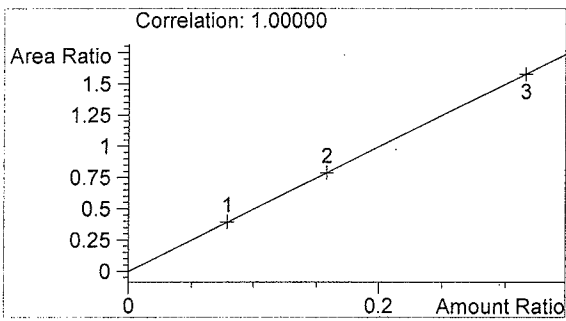
D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:26:52 PM
 Instrument 5
 DB-ALC2

BLANK
 BRIANNA PETERSON

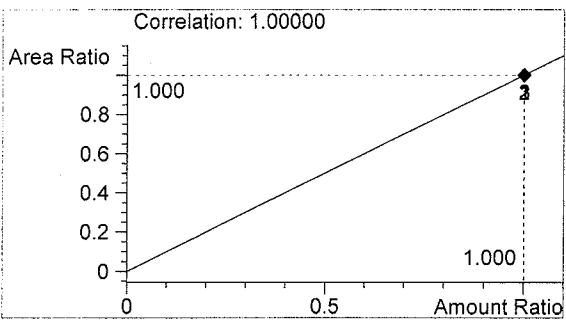
vial # 48



Totals:



ethanol 0.000 g/100ml



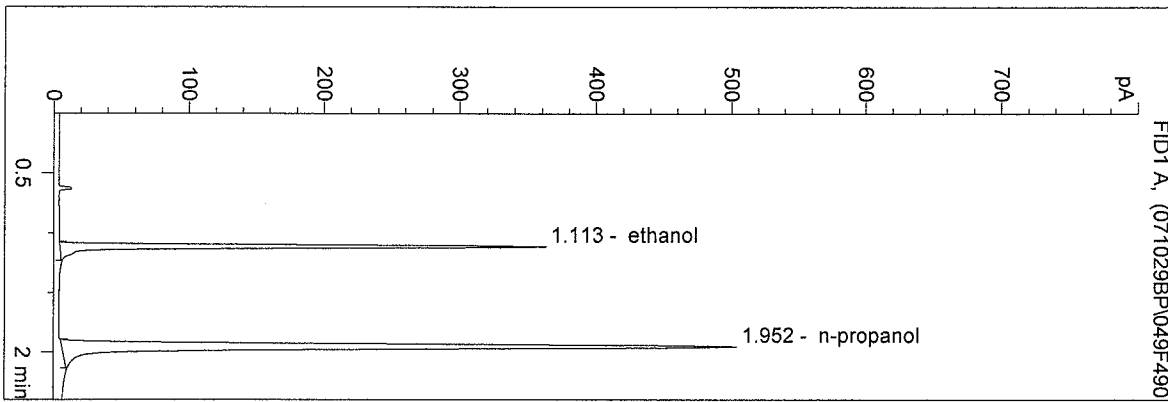
n-propanol 1.000 g/100ml

BP
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:30:22 PM
 Instrument 5
 DB-ALC2

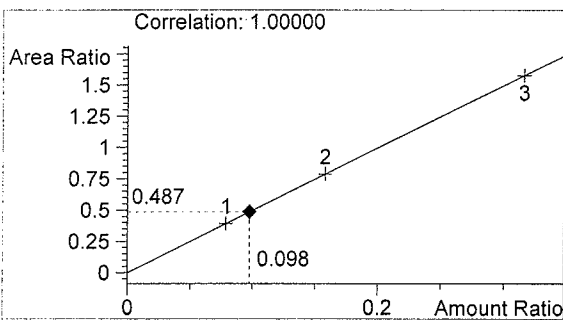
QA 07057-1
 BRIANNA PETERSON

vial # 49

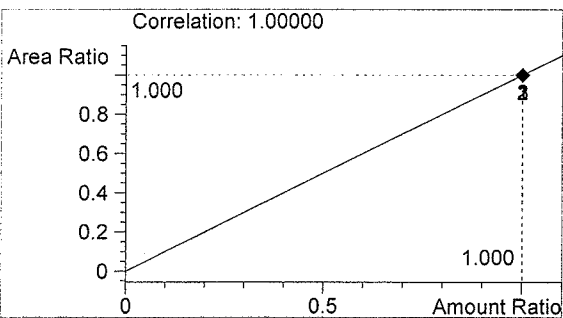


#	Compound	Area	RT
1	ethanol	729	1.113
2	n-propanol	1497	1.952

Totals:



ethanol 0.098 g/100ml



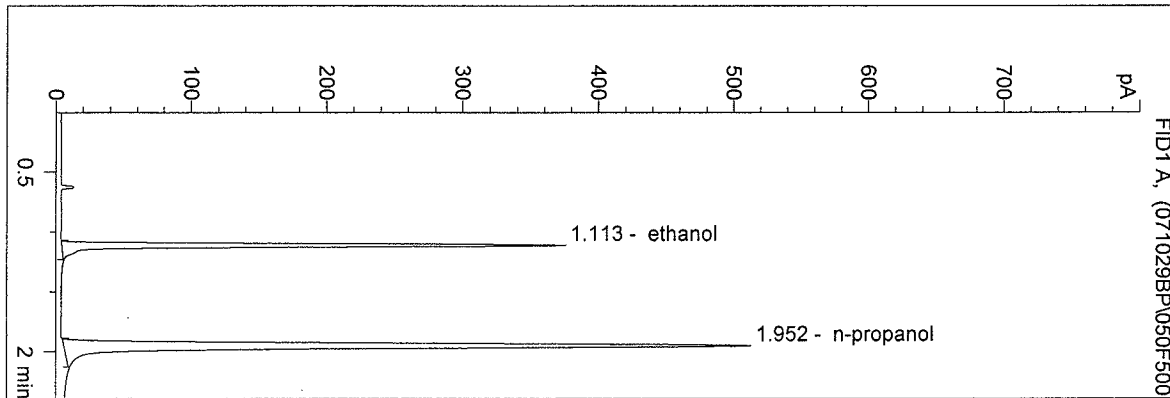
n-propanol 1.000 g/100ml

BP
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:35:05 PM
 Instrument 5
 DB-ALC2

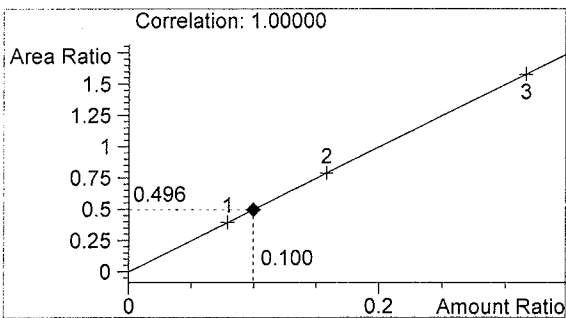
QA 07057-2
 BRIANNA PETERSON

vial # 50

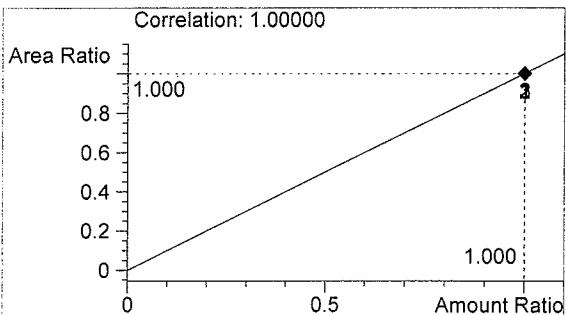


#	Compound	Area	RT
1	ethanol	753	1.113
2	n-propanol	1518	1.952

Totals:



ethanol 0.100 g/100ml



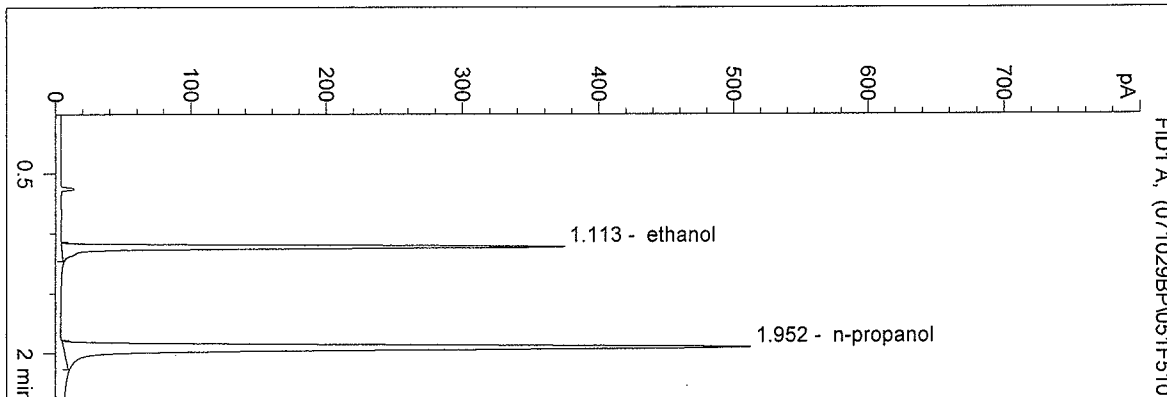
n-propanol 1.000 g/100ml

BP
 10.30.07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:38:48 PM
 Instrument 5
 DB-ALC2

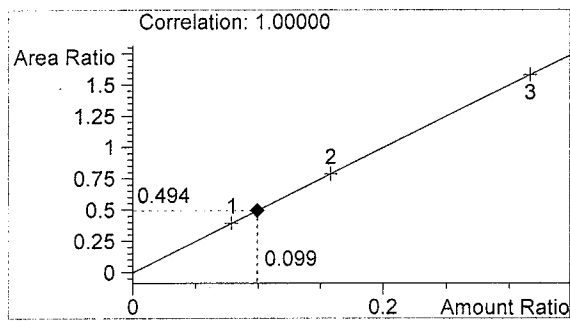
QA 07057-3
 BRIANNA PETERSON

vial # 51

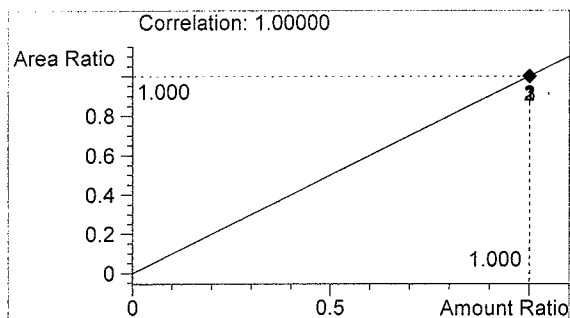


#	Compound	Area	RT
1	ethanol	752	1.113
2	n-propanol	1524	1.952

Totals:



ethanol 0.099 g/100ml



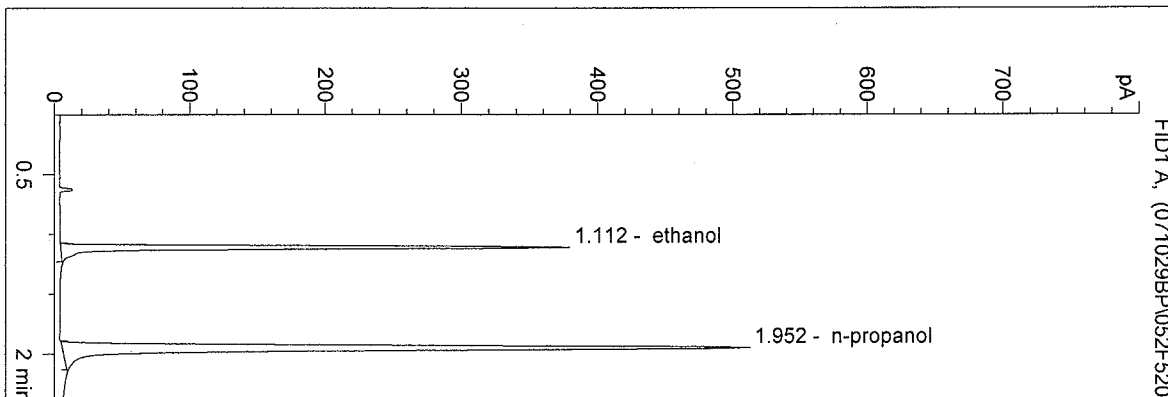
n-propanol 1.000 g/100ml

BP
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:42:24 PM
 Instrument 5
 DB-ALC2

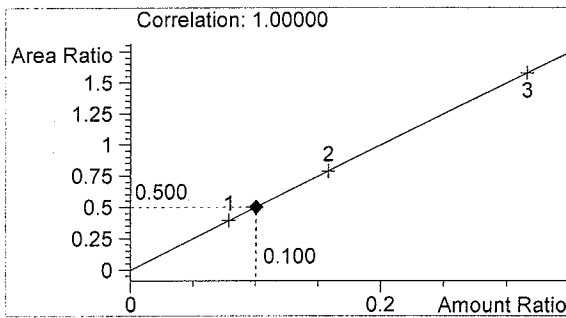
QA 07057-4
 BRIANNA PETERSON

vial # 52

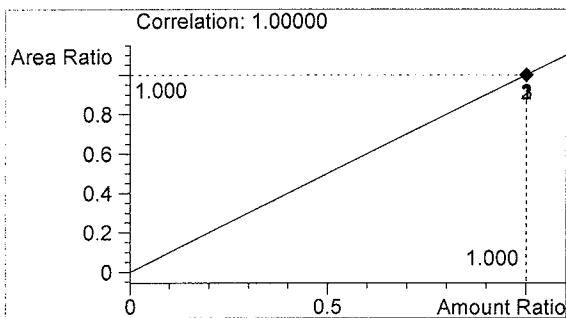


#	Compound	Area	RT
1	ethanol	761	1.112
2	n-propanol	1521	1.952

Totals:



ethanol 0.100 g/100ml



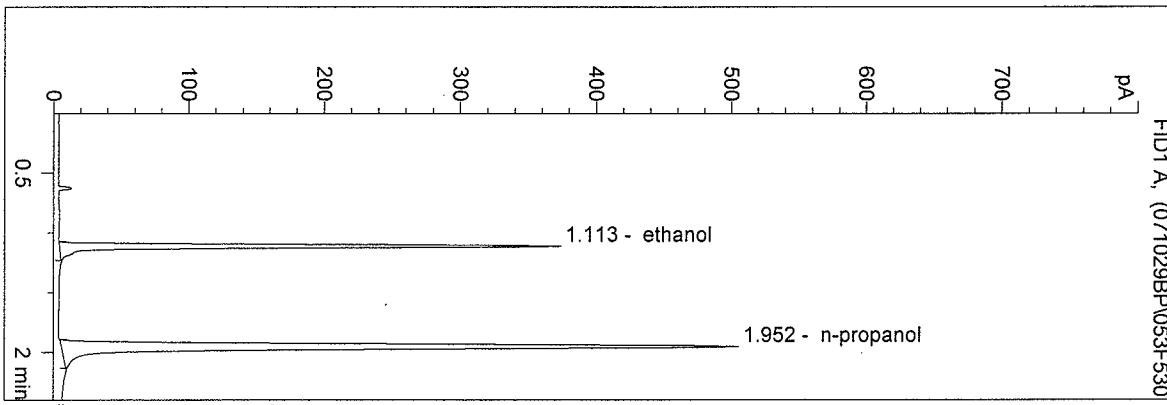
n-propanol 1.000 g/100ml

BP
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 3:46:59 PM
 Instrument 5
 DB-ALC2

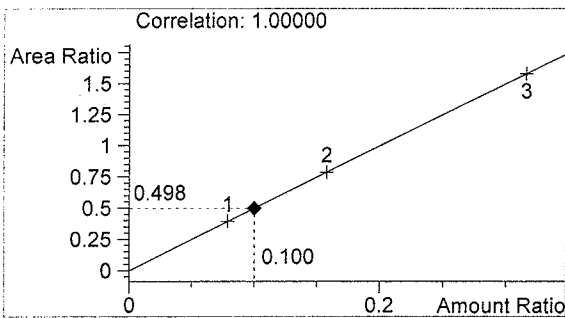
QA 07057-5
 BRIANNA PETERSON

vial # 53

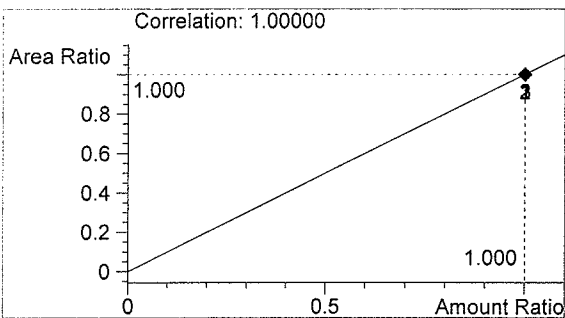


#	Compound	Area	RT
1	ethanol	750	1.113
2	n-propanol	1505	1.952

Totals:



ethanol 0.100 g/100ml



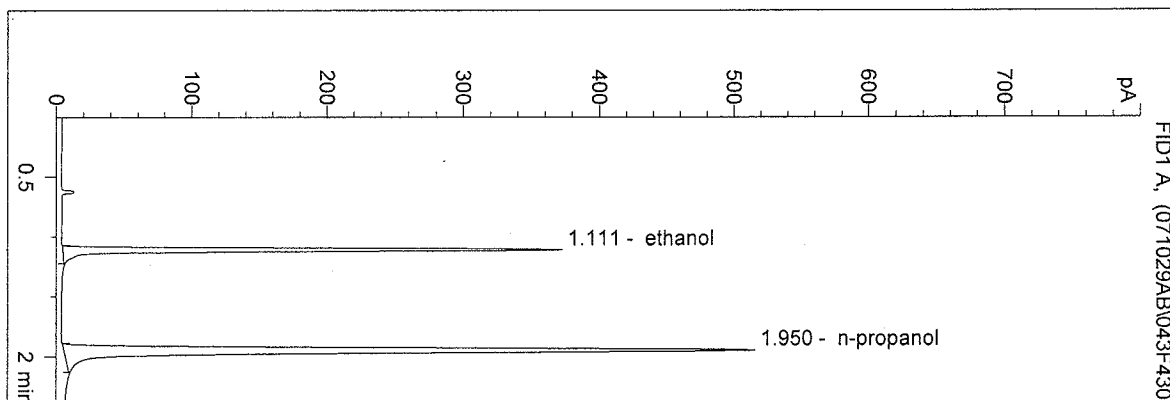
n-propanol 1.000 g/100ml

BP
 10.30.07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:09:02 PM
 Instrument 5
 DB-ALC2

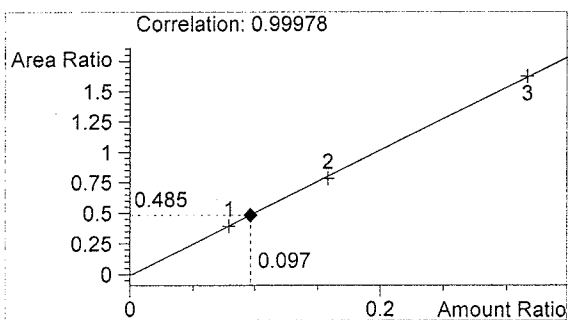
QA 07057-1
 A. Black

vial # 43

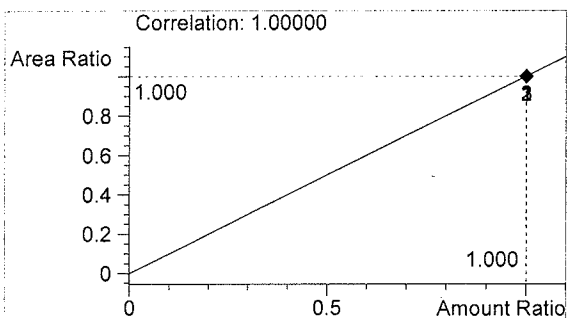


#	Compound	Area	RT
1	ethanol	743	1.111
2	n-propanol	1532	1.950

Totals:



ethanol 0.097 g/100ml



n-propanol 1.000 g/100ml

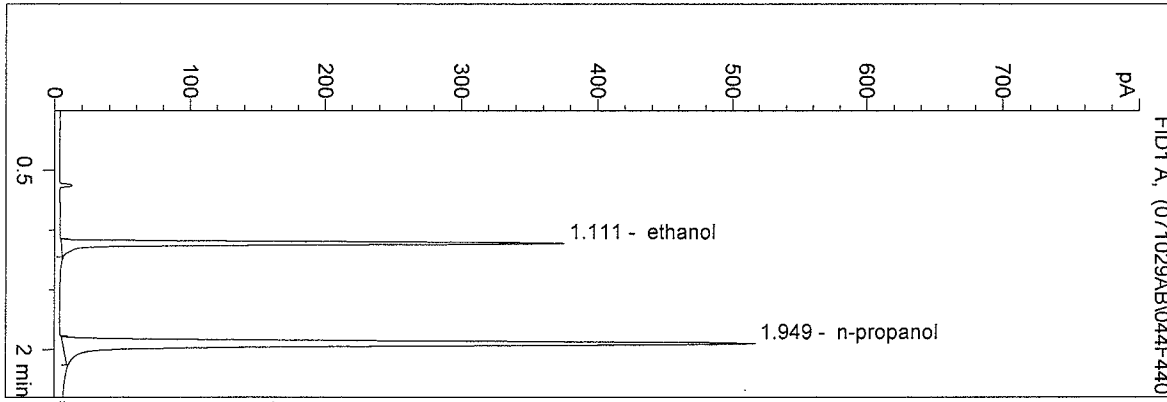
AB
 10-30-07

CALIBRATION FILED WITH ST 070888

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:12:41 PM
 Instrument 5
 DB-ALC2

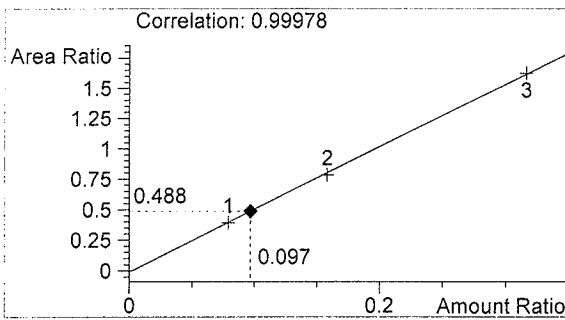
QA 07057-2
 A. Black

vial # 44

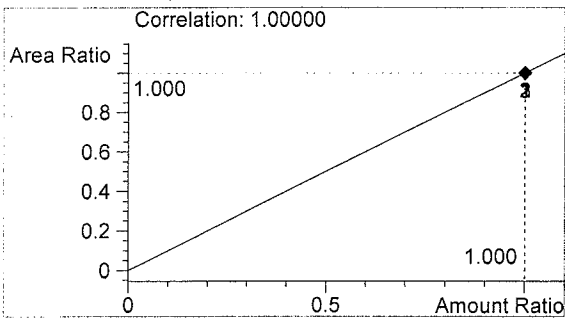


#	Compound	Area	RT
1	ethanol	750	1.111
2	n-propanol	1539	1.949

Totals:



ethanol 0.097 g/100ml



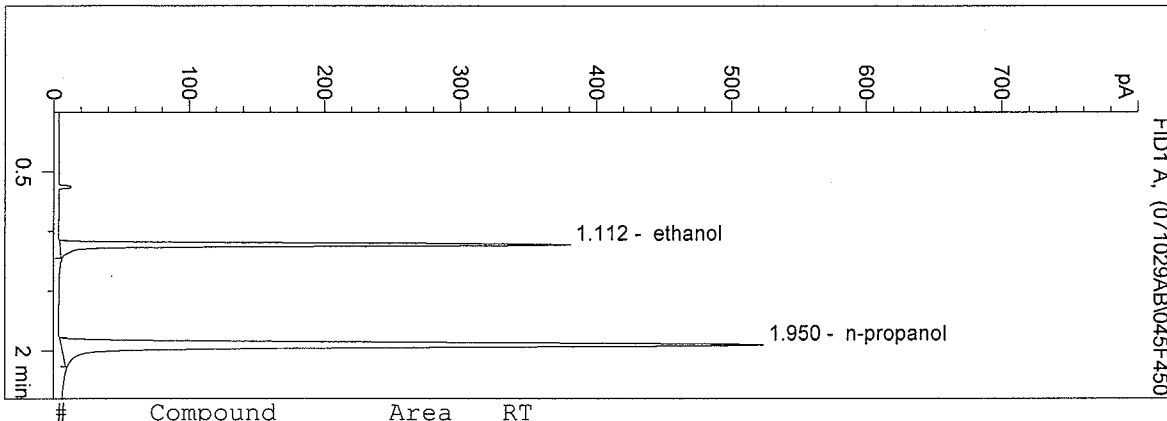
n-propanol 1.000 g/100ml

AS
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:17:37 PM
 Instrument 5
 DB-ALC2

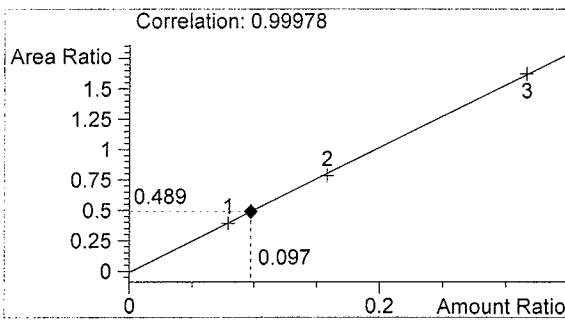
QA 07057-3
 A. Black

vial # 45

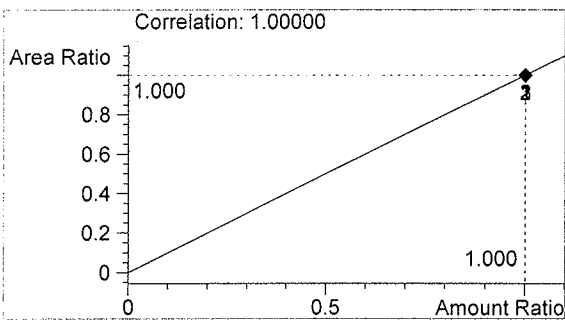


#	Compound	Area	RT
1	ethanol	761	1.112
2	n-propanol	1557	1.950

Totals:



ethanol 0.097 g/100ml



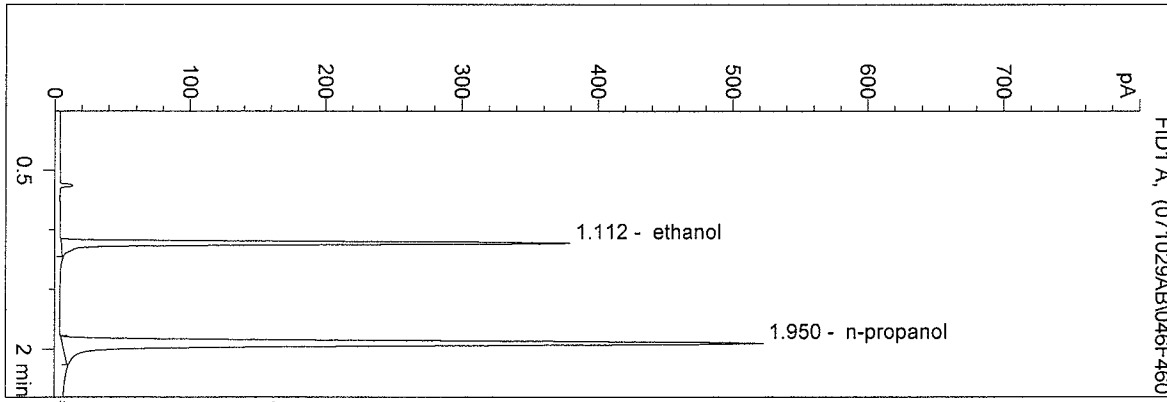
n-propanol 1.000 g/100ml

AB
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:21:12 PM
 Instrument 5
 DB-ALC2

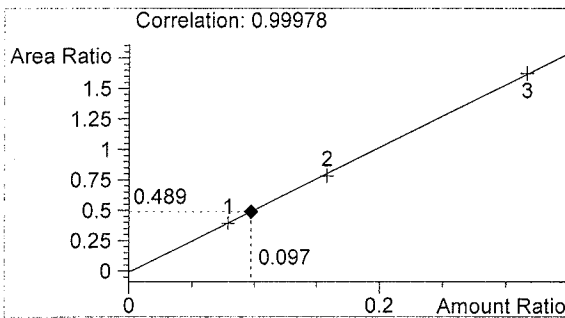
QA 07057-4
 A. Black

vial # 46

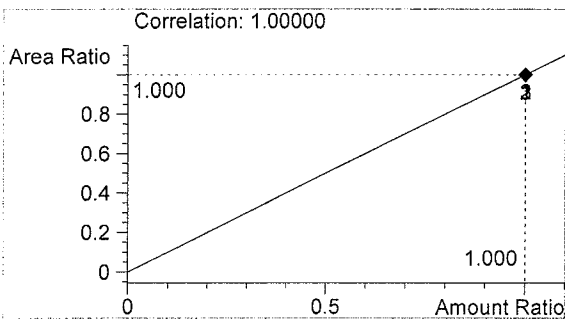


#	Compound	Area	RT
1	ethanol	759	1.112
2	n-propanol	1553	1.950

Totals:



ethanol 0.097 g/100ml



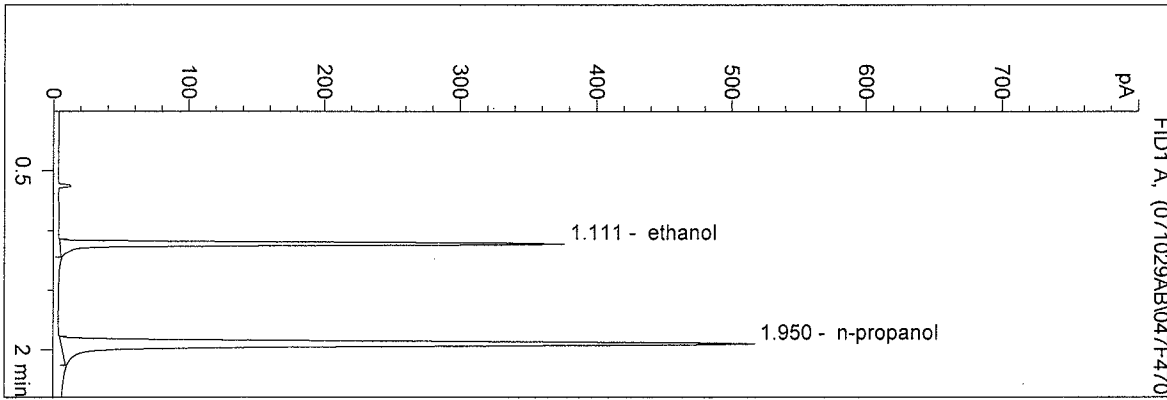
n-propanol 1.000 g/100ml

AB
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:24:44 PM
 Instrument 5
 DB-ALC2

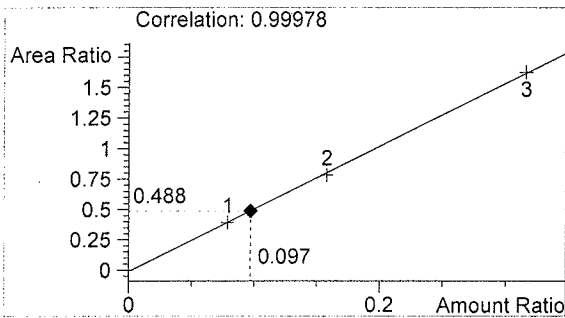
QA 07057-5
 A. Black

vial # 47

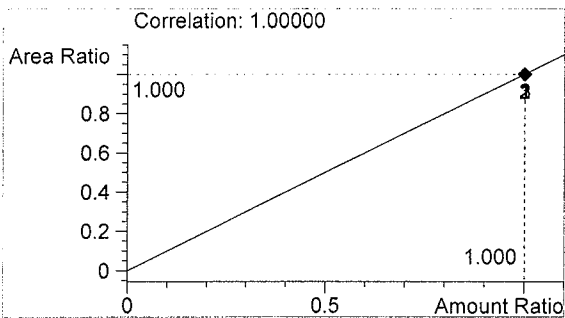


#	Compound	Area	RT
1	ethanol	752	1.111
2	n-propanol	1540	1.950

Totals:



ethanol 0.097 g/100ml



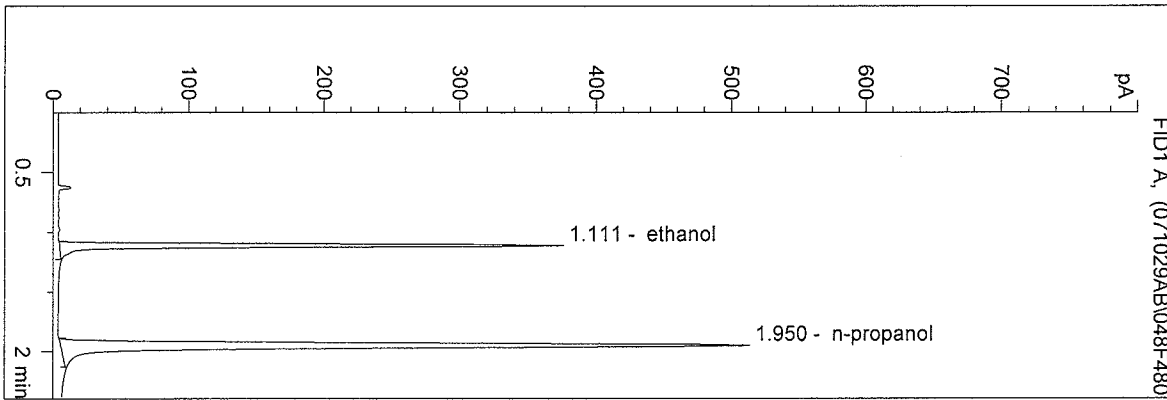
n-propanol 1.000 g/100ml

OB
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:29:35 PM
 Instrument 5
 DB-ALC2

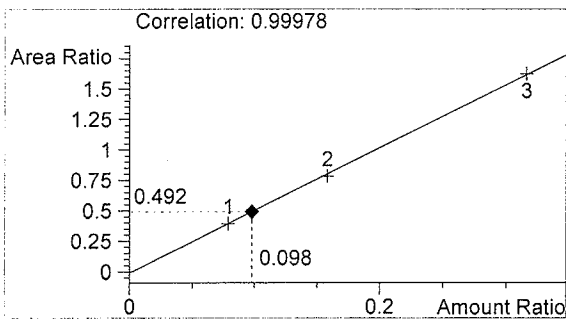
0.10 AB Control
 A. Black

vial # 48

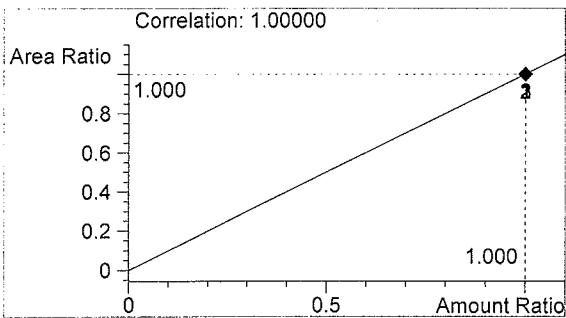


#	Compound	Area	RT
1	ethanol	750	1.111
2	n-propanol	1525	1.950

Totals:



ethanol 0.098 g/100ml



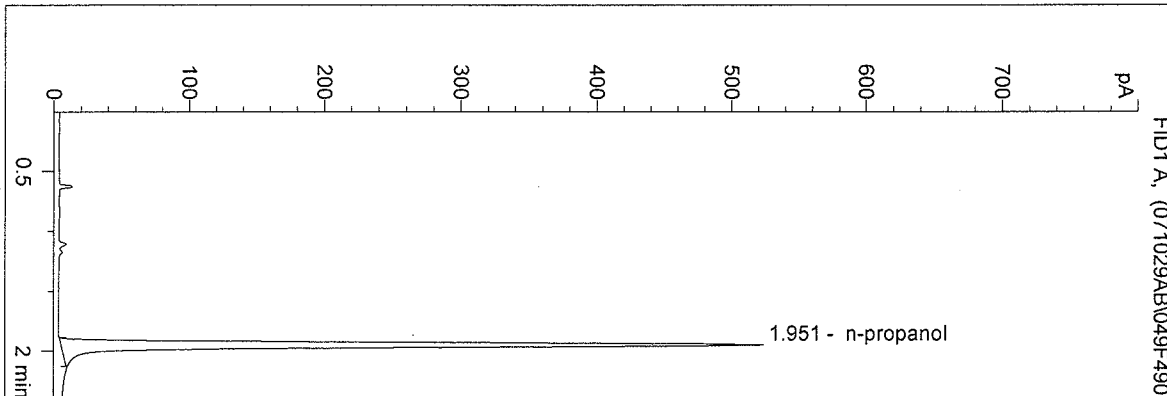
n-propanol 1.000 g/100ml

AB
 10-30-07

D:\HPCHEM\1\METHODS\BLDALCO2.M
 10/29/2007 8:33:10 PM
 Instrument 5
 DB-ALC2

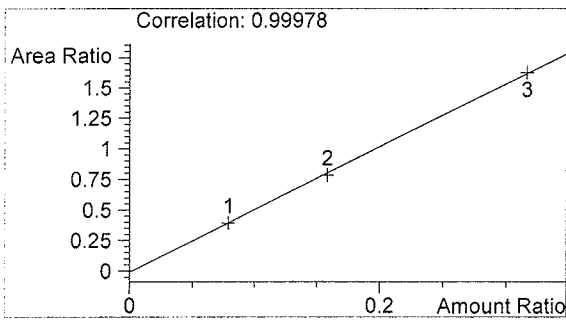
BLANK
 A. Black

vial # 49

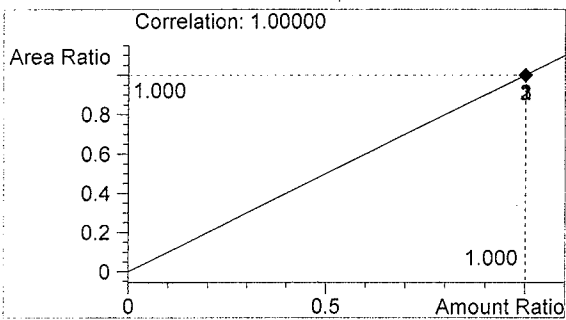


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1560	1.951

Totals:



ethanol 0.000 g/100ml



n-propanol 1.000 g/100ml

OB
 10-30-07