

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / PAUL GILBERT Date 9-27-07
Location TOX LAB SEATTLE Batch Number 07013

Form Review Criteria

Preparation date precedes all analysis dates: Okay X Not Okay

Data entry corresponds to all chromatograms: Okay Not Okay X

All signatures present: Okay X Not Okay

Computations:

Avg. solution concentration: Correct Not Correct X

Standard deviation: Correct Not Correct X

Range: Correct Not Correct X

Precision: Correct Not Correct X

Equivalent vapor concent.: Correct X Not Correct

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

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

Corrections Necessary:

RESULT #5 FOR REBECCA F. IS INCORRECT

Comments:

Reviewer Signature: *R.D. Denton* Date: 9-27-07

Reviewer Signature: *K.L. F...* Date: 9/27/2007

9/26/2007

Gilbert
Swanson
CASE NO: C669127
6677574
43

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

Preparation and certification of **0.10** g/210L Quality Assurance solution
 Batch number **07013** Date: 4/26/2007
 Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water
 Concentration of ethanol (g/100mL) measured by gas chromatography:

RLL
 9-27-07
 0.126

	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	0.127	0.128	0.125													
2	0.127	0.129	0.127													
3	0.127	0.129	0.127													
4	0.127	0.130	0.128													
5	0.127	0.130	0.126													
Ctrl	0.101	0.101	0.098													

RLL

External Control:
 Lot #: A048730 Exp date: 03/2011
 Target concentration: 0.10 g/100mL

Statistics:
 Avg. solution concent: 0.1276 g/100 mL
 SD: 0.00140
 Range (3xSD): 0.1234 to 0.1318
 Precision CV (%): 1.1004 %

9-27-07
0.1319

Equivalent vapor concent.: 0.1037 g/210L

1.1430

Analyst	Name	Signature	Date
1	Rebecca Flaherty	<i>Rebecca Flaherty</i>	04/26/2007
2	Estuardo J. Miranda	<i>Estuardo J. Miranda</i>	04/30/2007
3	Brian Capron	<i>Brian Capron</i>	05/01/2007
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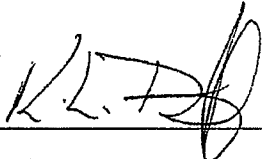
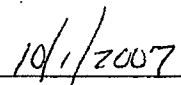
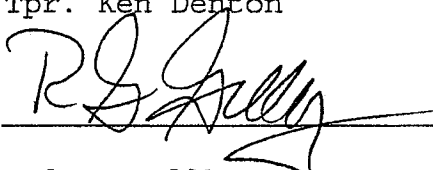
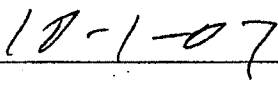
Prepared by: Rebecca Flaherty according to the approved protocol

Notice of Simulator Solution File Review

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

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

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

	
Tpr. Ken Denton	Date
	
Rod G. Gullberg	Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN BENTON / BOB GULLBERG Date 9-27-07
Location TOX LABS SEATTLE Batch Number 07013

Form Review Criteria

Preparation date precedes all analysis dates: Okay Not Okay

Data entry corresponds to all chromatograms: Okay Not Okay

All signatures present: Okay Not Okay

Computations:

Avg. solution concentration: Correct Not Correct

Standard deviation: Correct Not Correct

Range: Correct Not Correct

Precision: Correct Not Correct

Equivalent vapor concent.: Correct Not Correct

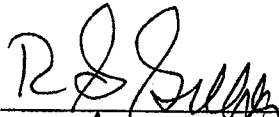
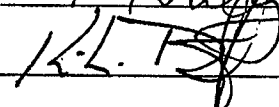
External Control Information
(lot # and future date): Correct Not Correct

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

Corrections Necessary:

RESULT #5 FOR REBECCA F. IS INCORRECT

Comments:

Reviewer Signature:  Date: 9-27-07
Reviewer Signature:  Date: 9/27/2007

WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
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Preparation and certification of **0.10** g/210L Quality Assurance solution
 Batch number **07013** Date: **4/26/2007**
 Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water
 Concentration of ethanol (g/100mL) measured by gas chromatography:

RLL
9-27-07
0.126

	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	0.127	0.128	0.125													
2	0.127	0.129	0.127													
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4	0.127	0.130	0.128													
5	0.127	0.130	0.126													
Ctrl	0.101	0.101	0.098													

RLL
9-27-07

External Control:
 Lot #: A048730 Exp date: 03/2011
 Target concentration: 0.10 g/100mL

Statistics:
 Avg. solution concent.: 0.1275 g/100 mL
 SD: 0.00140 *0.00146*
 Range (3xSD): 0.1234 to 0.1318
 Precision CV (%): 1.1004 %

Equivalent vapor concent.: 0.1037 g/210L

1.1430

Analyst	Name	Signature	Date
1	Rebecca Flaherty	<i>Rebecca Flaherty</i>	04/26/2007
2	Estuardo J. Miranda	<i>Estuardo J. Miranda</i>	04/30/2007
3	Brian Capron	<i>Brian Capron</i>	05/01/2007
4			
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16			

Prepared by: Rebecca Flaherty according to the approved protocol

CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

I, 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 07013, was prepared in the Washington State Toxicology Laboratory on 4/26/2007. I examined and tested this solution. The mean concentration of the alcohol was ~~0.1276~~ 0.1275 grams per 100ml.

RF
10/01/07

Dated: 5/3/2007
Seattle, WA

Rebecca Flaherty
Forensic Toxicologist

RF/jr
RFQA

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

Rebecca Flaherty 09/28/07
Rebecca Flaherty 10/01/07



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

I, Estuardo J. Miranda, 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: Bachelor of Science in Chemistry, Master of Science in Zoology and nine years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 07013, was prepared in the Washington State Toxicology Laboratory on 4/26/2007. I examined and tested this solution. The mean concentration of the alcohol was ~~0.1276~~ ^{EM} 0.1275 ^{EM} 9-28-07 grams per 100ml.

Dated: 5/3/2007
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/jr
EMQA

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

CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

I, Brian Capron, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

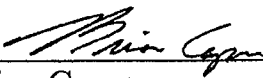
I possess the following qualifications: BS degree in Biology and nine years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07013, was prepared in the Washington State Toxicology Laboratory on 4/26/2007. I examined and tested this solution. The mean concentration of the alcohol was ~~0.1276~~ grams per 100ml.

0.1275 BC

10-1-07 (BC)

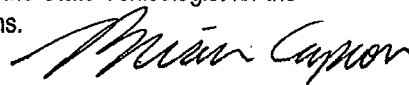
Dated: 5/3/2007
Seattle, WA



Brian Capron
Forensic Toxicologist

BC/jr
BCQA

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

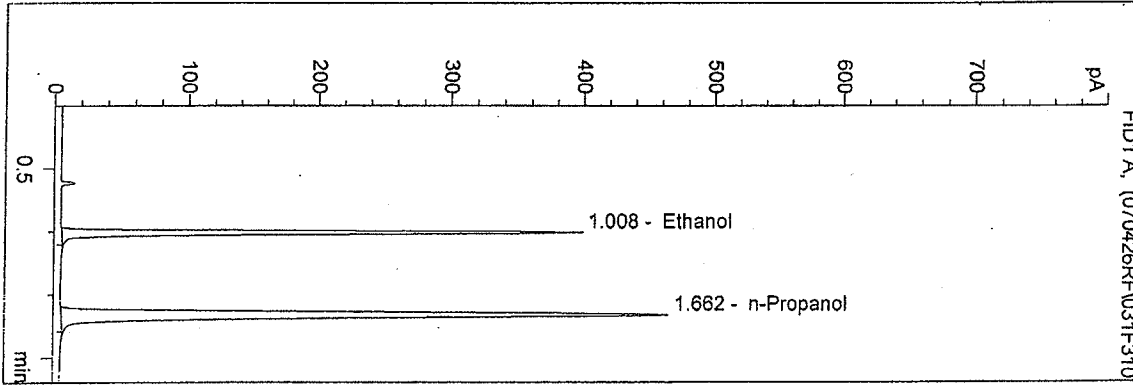
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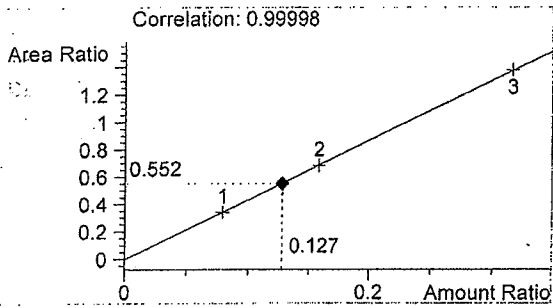
07013 - QA10A
 Rebecca Flaherty

vial # 31

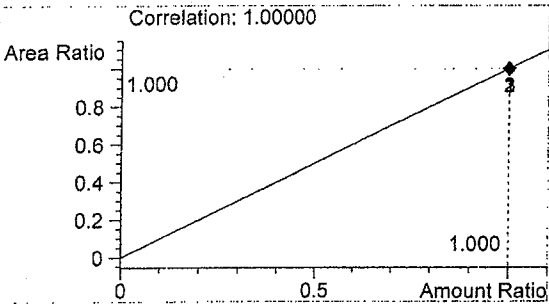


#	Compound	Area	RT
1	Ethanol	800	1.008
2	n-Propanol	1448	1.662

Totals:



Ethanol 0.127 g/100ml



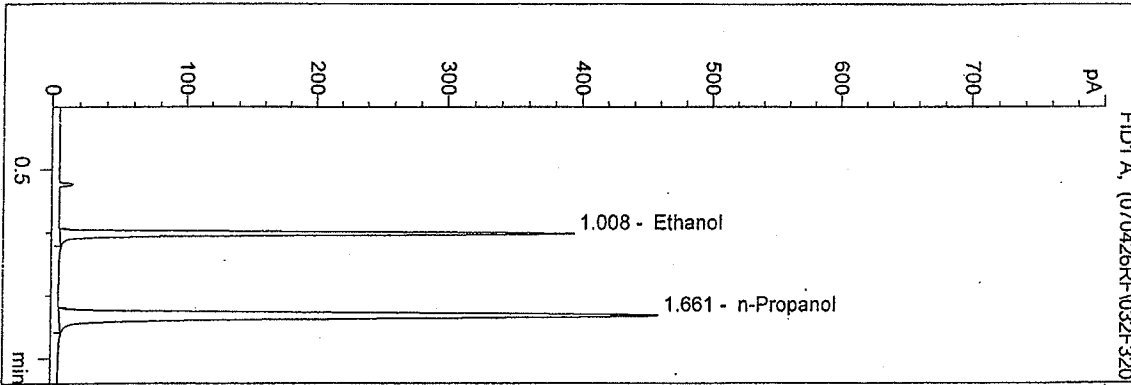
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 Instrument 4
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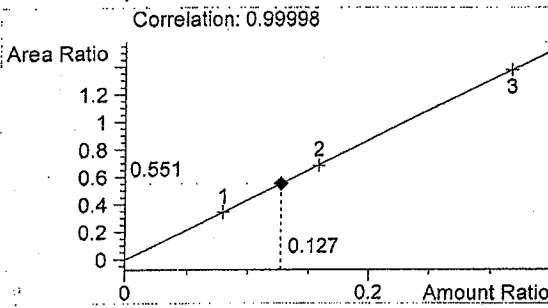
07013 - QA10B
 Rebecca Flaherty

vial # 32

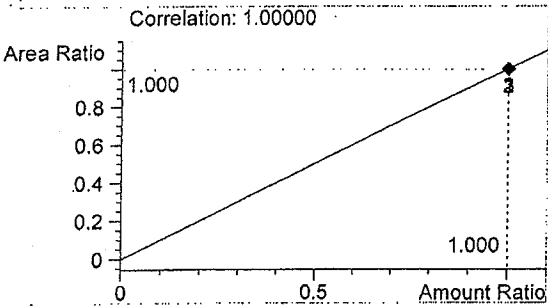


#	Compound	Area	RT
1	Ethanol	786	1.008
2	n-Propanol	1427	1.661

Totals:



Ethanol 0.127 g/100ml



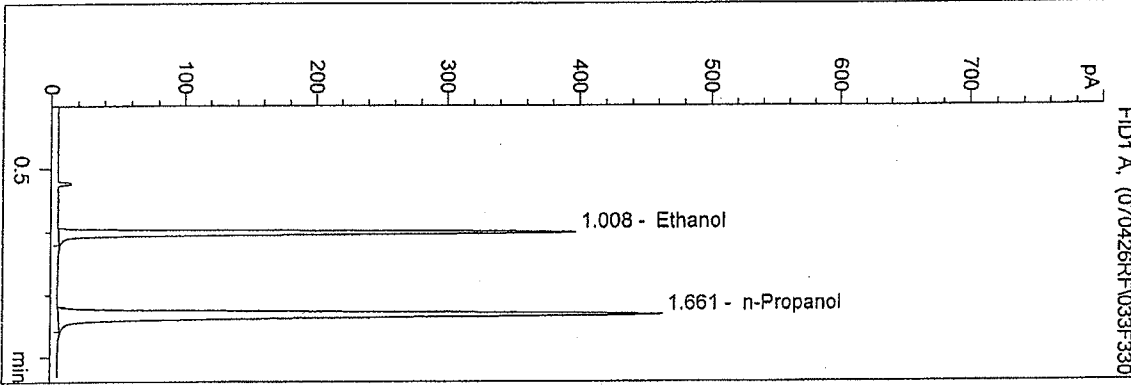
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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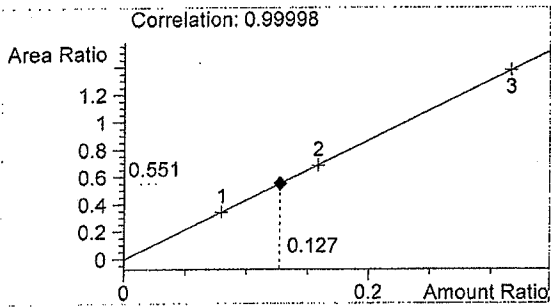
07013 - QA10C
 Rebecca Flaherty

vial # 33

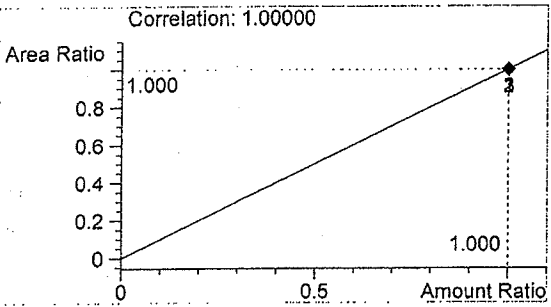


#	Compound	Area	RT
1	Ethanol	793	1.008
2	n-Propanol	1440	1.661

Totals:



Ethanol 0.127 g/100ml

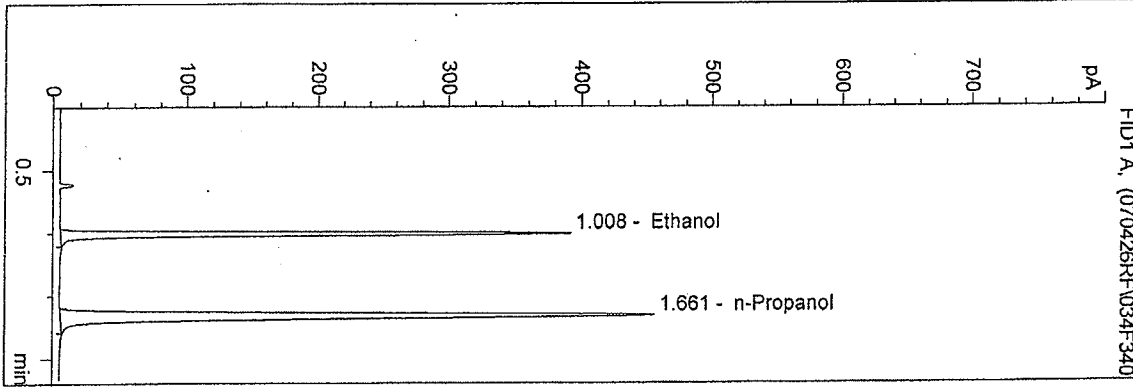


n-Propanol 1.000 g/100ml

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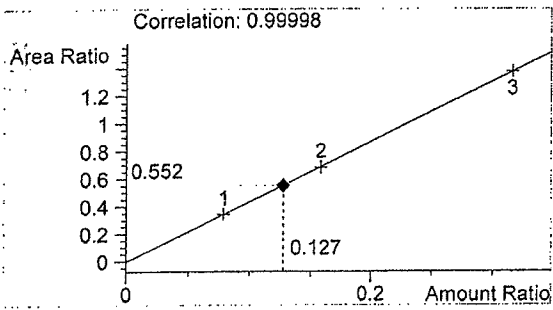
07013 - QA10D
 Rebecca Flaherty

vial # 34

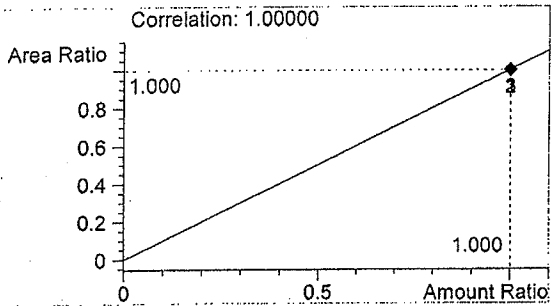


#	Compound	Area	RT
1	Ethanol	782	1.008
2	n-Propanol	1418	1.661

Totals:



Ethanol 0.127 g/100ml



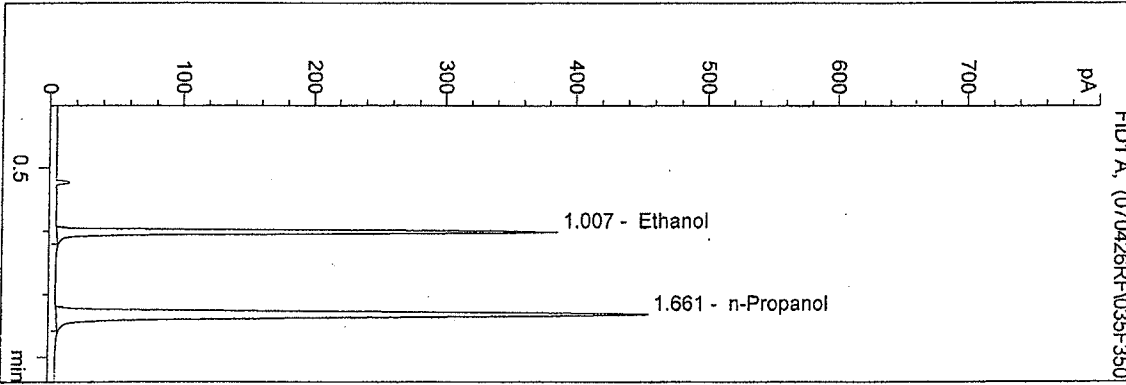
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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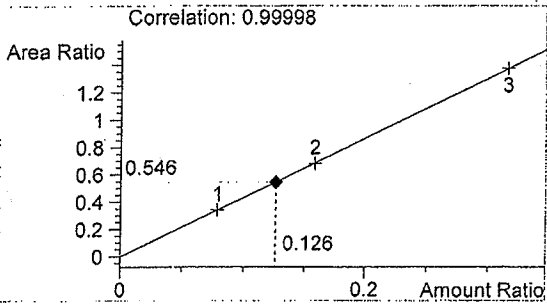
07013 - QA10E
 Rebecca Flaherty

vial # 35

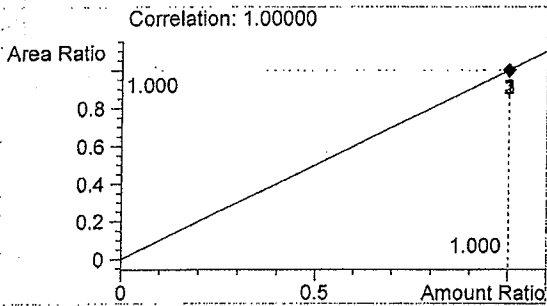


#	Compound	Area	RT
1	Ethanol	774	1.007
2	n-Propanol	1417	1.661

Totals:



Ethanol 0.126 g/100ml



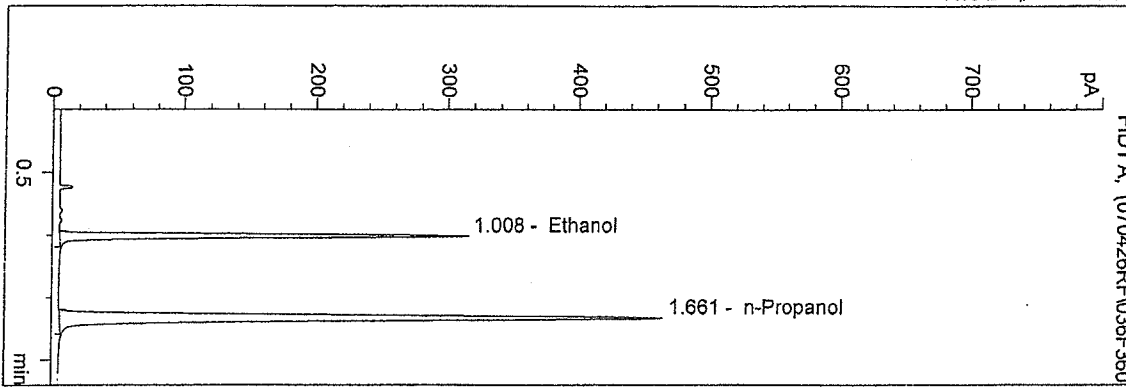
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 Instrument 4
 DB-ALC1

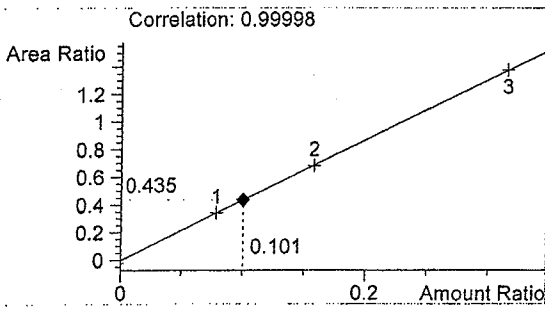
0.10 CONTROL rf
 Rebecca Flaherty

vial # 36

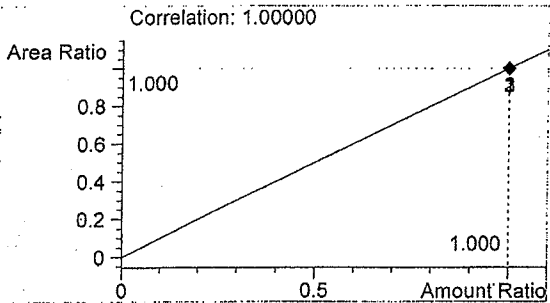


#	Compound	Area	RT
1	Ethanol	630	1.008
2	n-Propanol	1449	1.661

Totals:



Ethanol 0.101 g/100ml



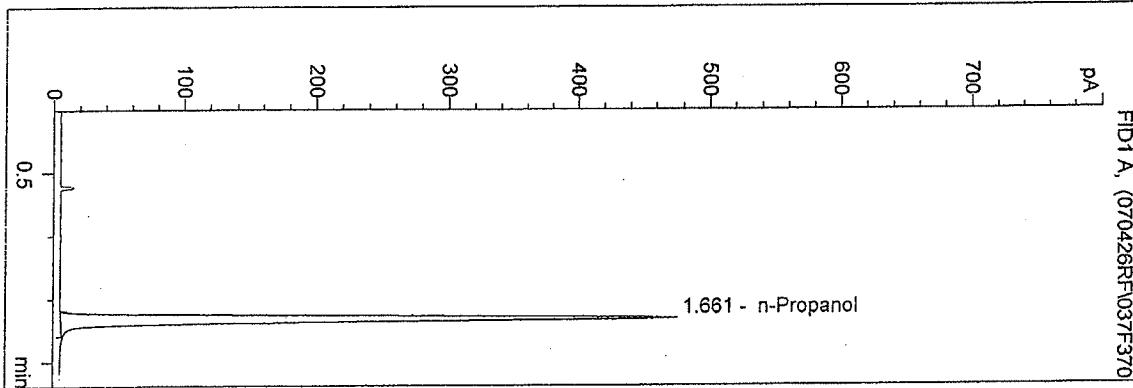
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 Instrument 4
 DB-ALC1

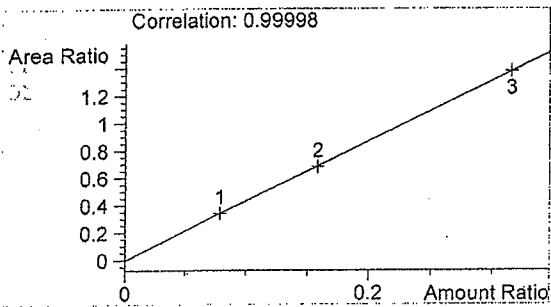
BLANK
 Rebecca Flaherty

vial # 37

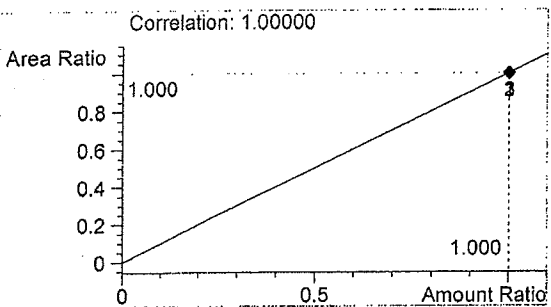


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1481	1.661

Totals:



Ethanol 0.000 g/100ml



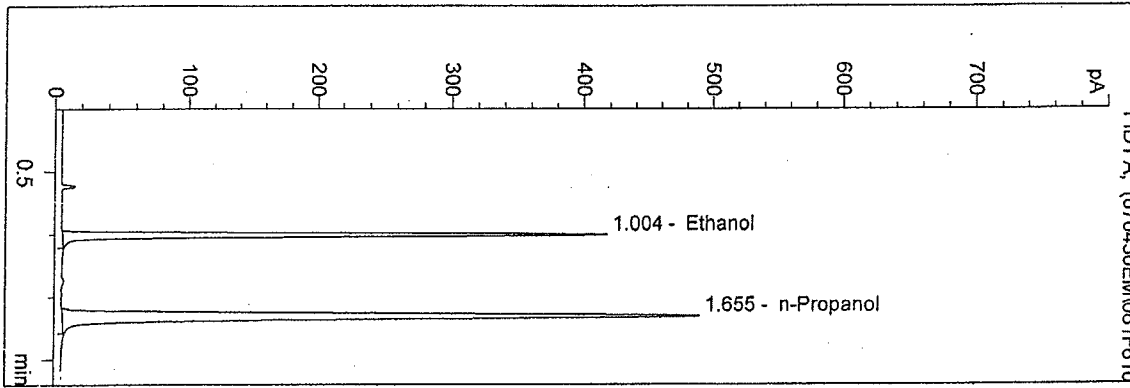
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 Instrument 4
 DB-ALC1

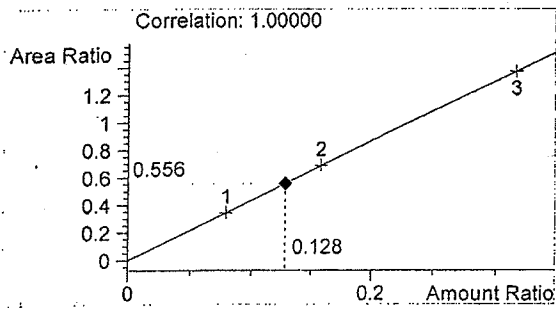
Q.A. Sol 07013-1
 Estuardo J. Miranda

vial # 61

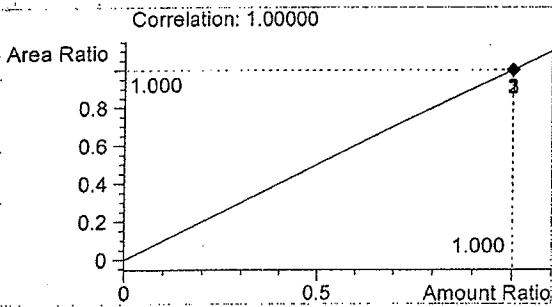


#	Compound	Area	RT
1	Ethanol	853	1.004
2	n-Propanol	1533	1.655

Totals:



Ethanol 0.128 g/100ml



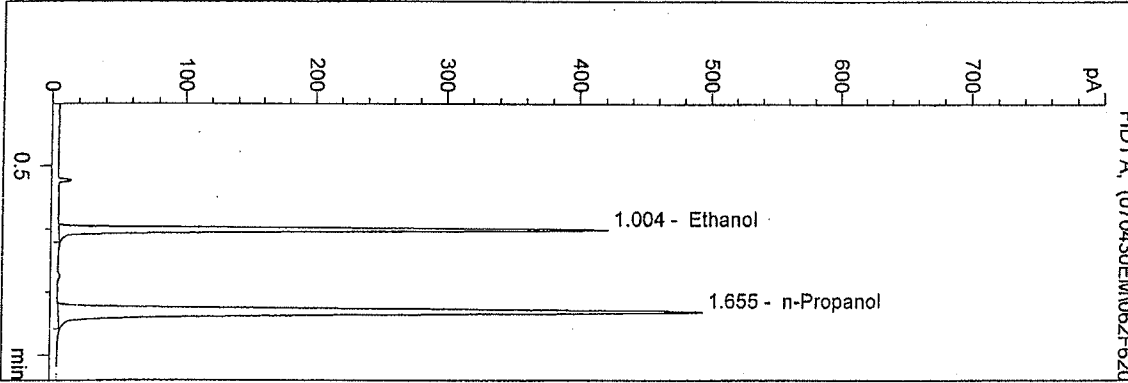
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 Instrument 4
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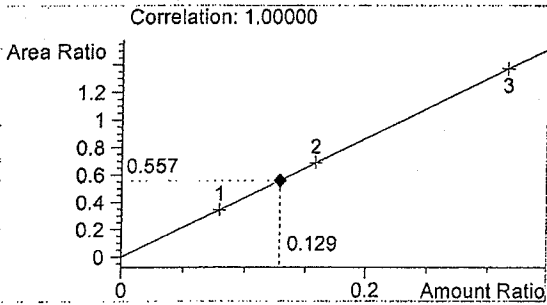
Q.A. Sol 07013-2
 Estuardo J. Miranda

vial # 62

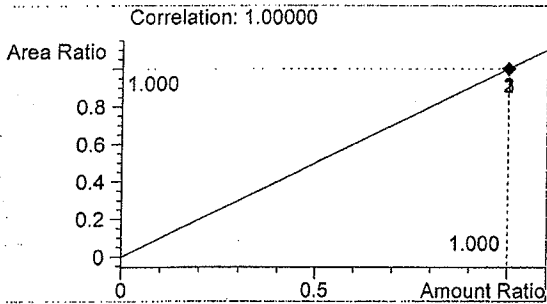


#	Compound	Area	RT
1	Ethanol	863	1.004
2	n-Propanol	1548	1.655

Totals:



Ethanol 0.129 g/100ml



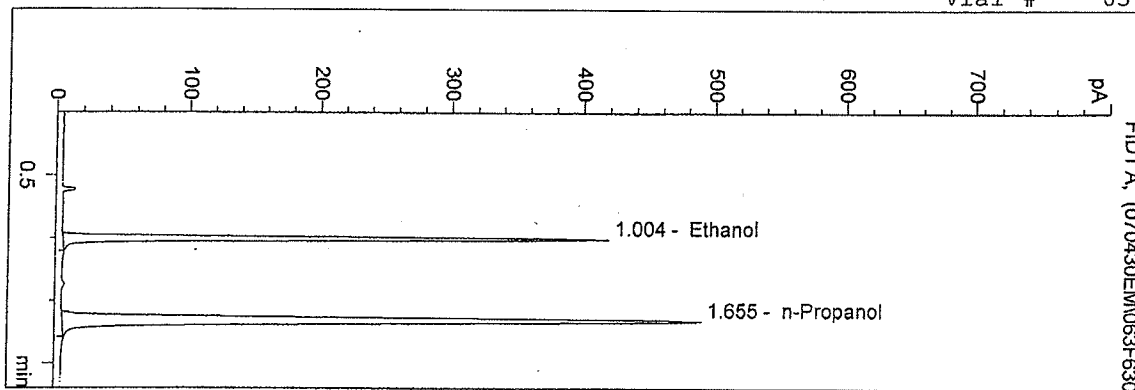
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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 4/30/2007 4:45:52 PM
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 DB-ALC1

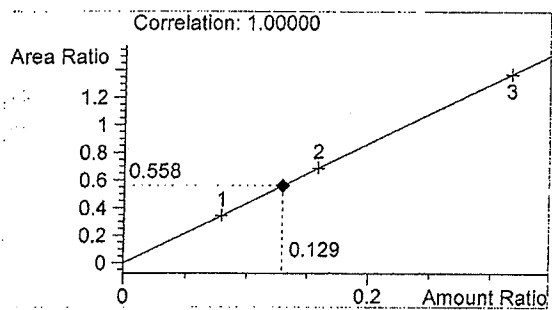
Q.A. Sol 07013-3
 Estuardo J. Miranda

vial # 63

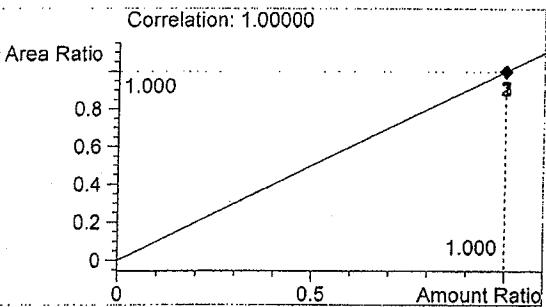


#	Compound	Area	RT
1	Ethanol	858	1.004
2	n-Propanol	1538	1.655

Totals:



Ethanol 0.129 g/100ml

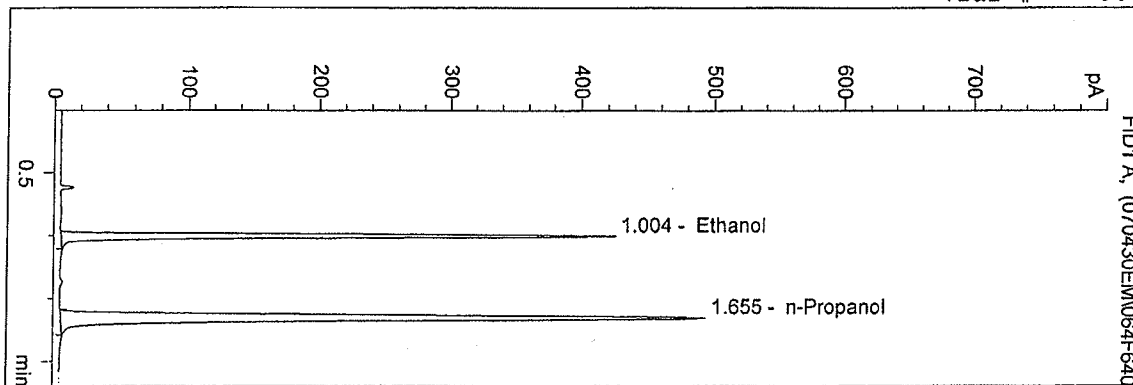


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

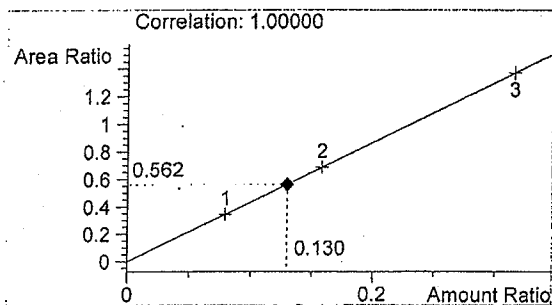
Q.A. Sol 07013-4
 Estuardo J. Miranda

vial # 64

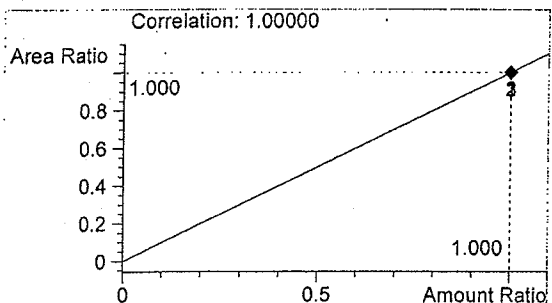


#	Compound	Area	RT
1	Ethanol	870	1.004
2	n-Propanol	1548	1.655

Totals:



Ethanol 0.130 g/100ml

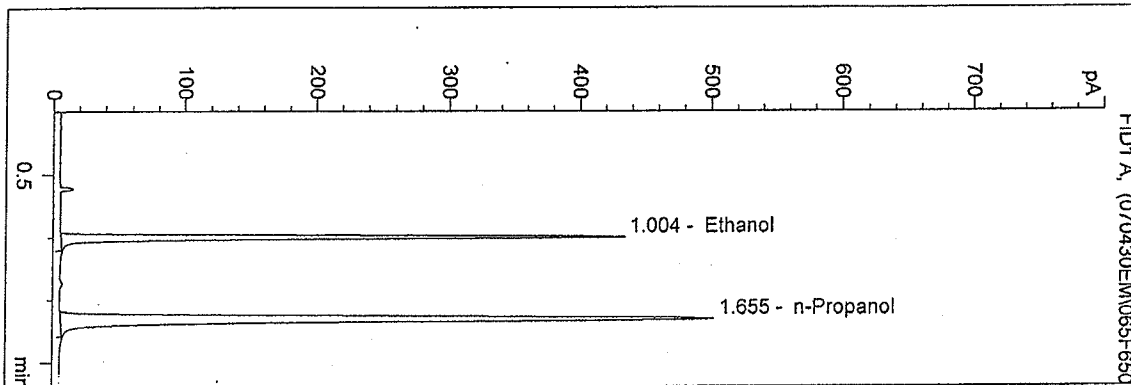


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 4/30/2007 4:54:38 PM
 Instrument: 4
 DB-ALC1

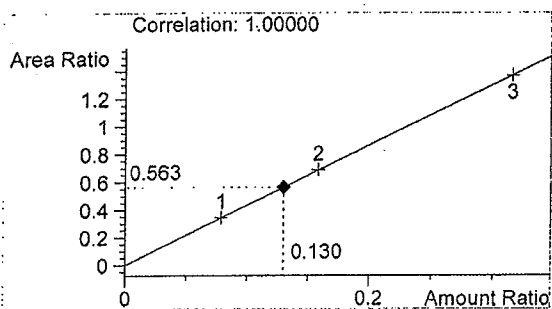
Q.A. Sol 07013-5
 Estuardo J. Miranda

vial # 65

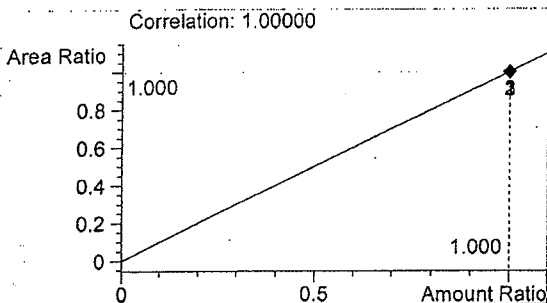


#	Compound	Area	RT
1	Ethanol	884	1.004
2	n-Propanol	1570	1.655

Totals:



Ethanol 0.130 g/100ml

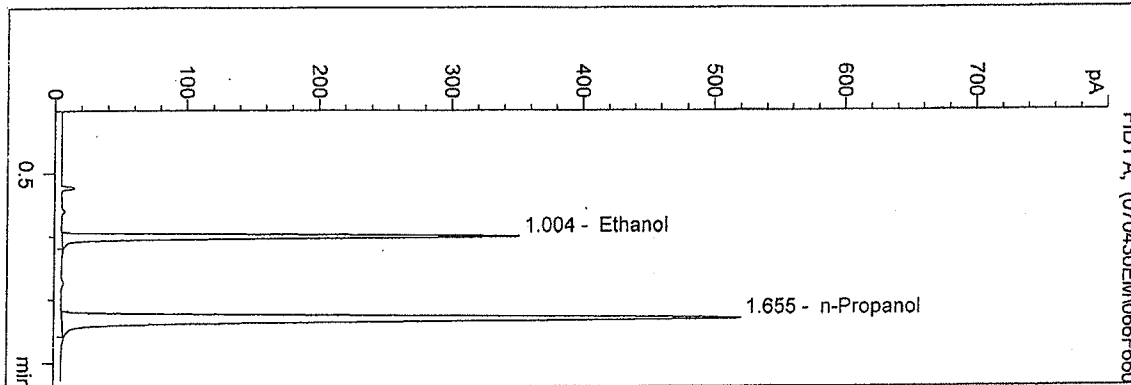


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

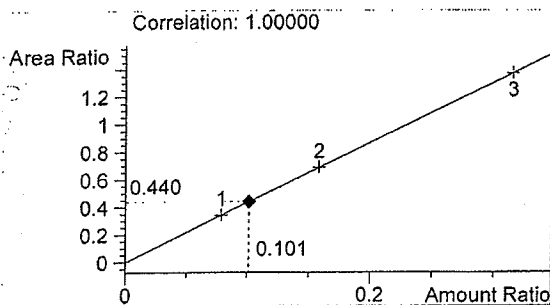
0.100 EM Control
 Estuardo J. Miranda

vial # 66

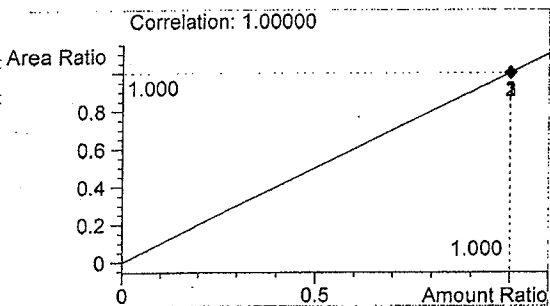


#	Compound	Area	RT
1	Ethanol	717	1.004
2	n-Propanol	1630	1.655

Totals:



Ethanol 0.101 g/100ml

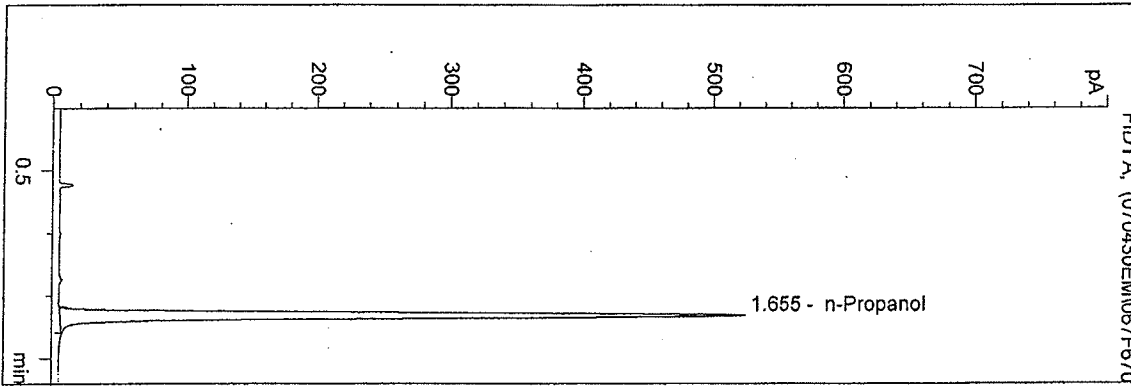


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

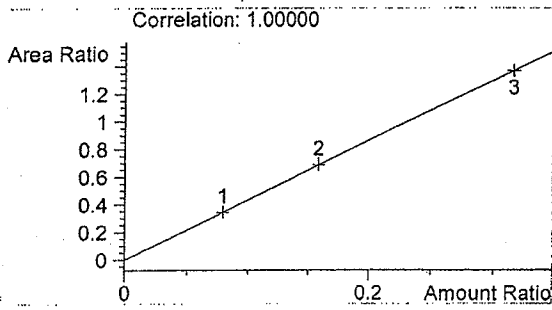
BLANK
 Estuardo J. Miranda

vial # 67

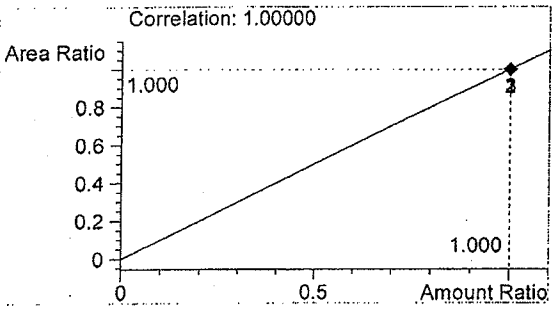


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1643	1.655

Totals:



Ethanol 0.000 g/100ml

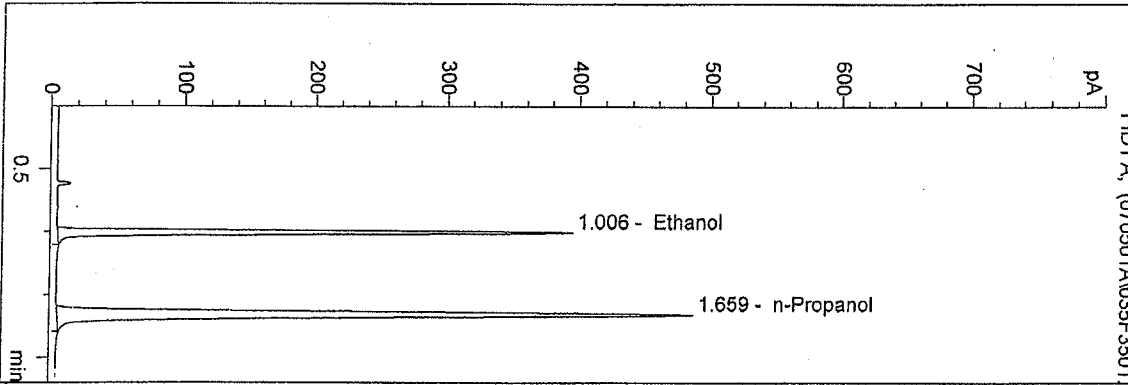


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

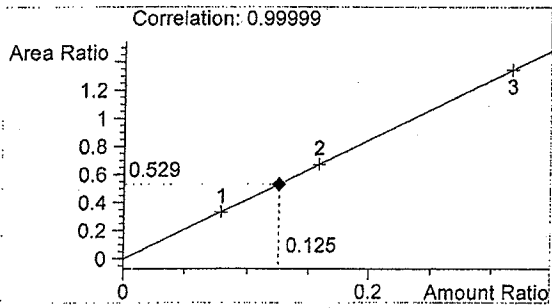
07013
 bcapron

vial # 35

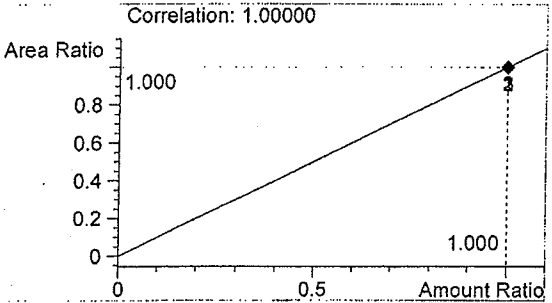


#	Compound	Area	RT
1	Ethanol	806	1.006
2	n-Propanol	1523	1.659

Totals:



Ethanol 0.125 g/100ml



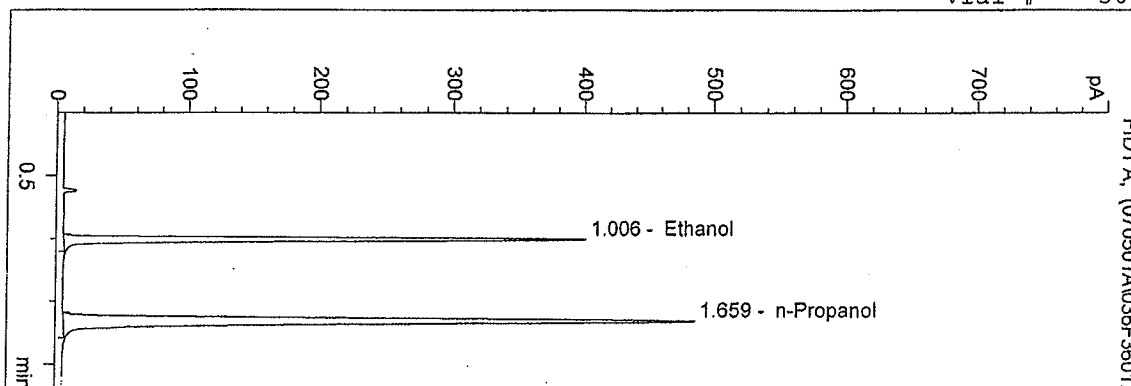
n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

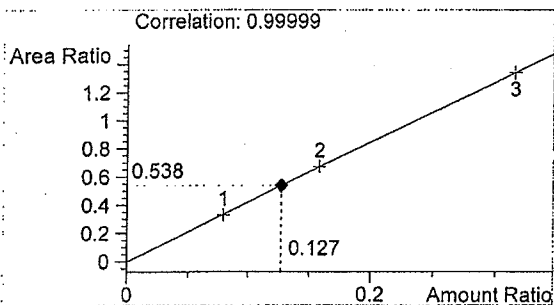
07013
 bcapron

vial # 36

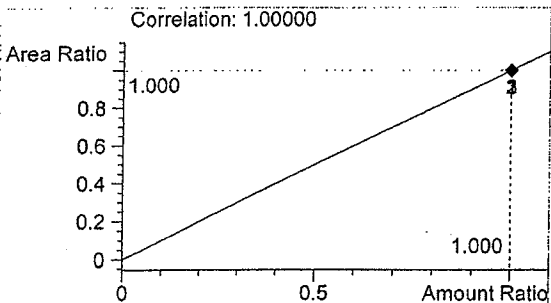


#	Compound	Area	RT
1	Ethanol	818	1.006
2	n-Propanol	1520	1.659

Totals:



Ethanol 0.127 g/100ml

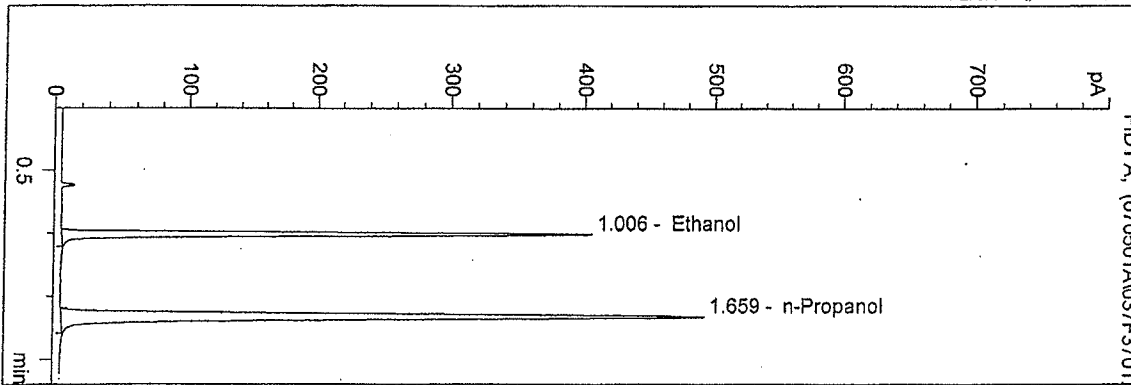


n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

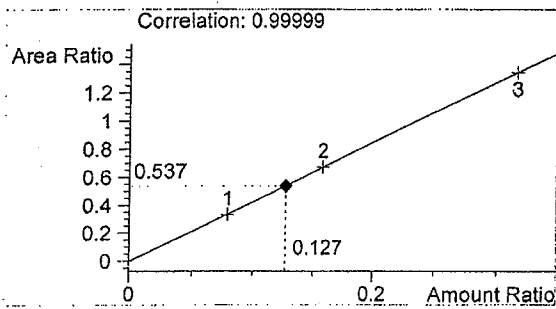
07013
 bcapron

vial # 37

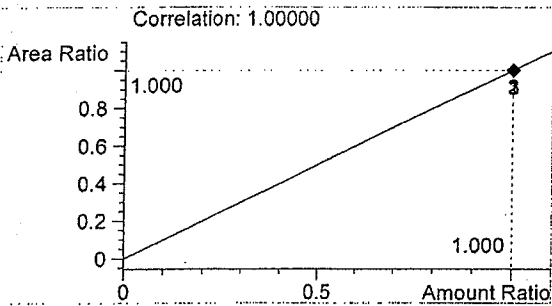


#	Compound	Area	RT
1	Ethanol	827	1.006
2	n-Propanol	1541	1.659

Totals:



Ethanol 0.127 g/100ml



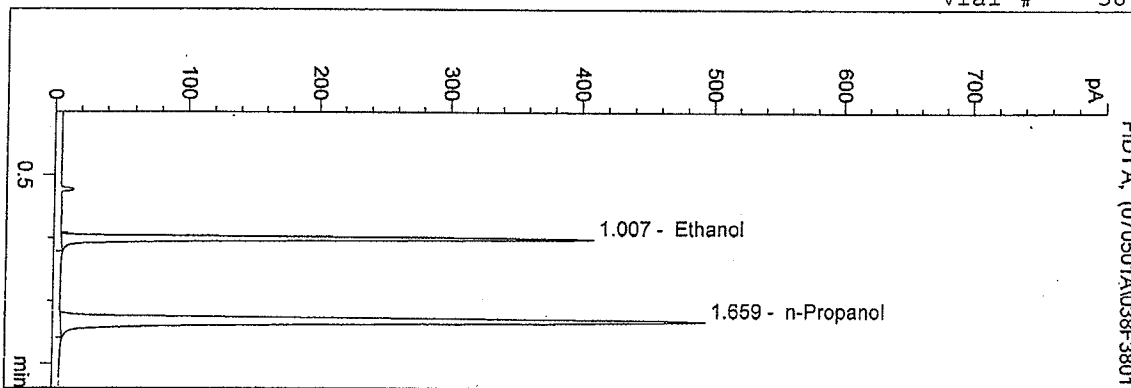
n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

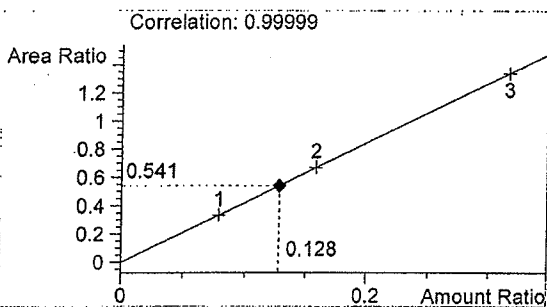
07013
 bcapron

vial # 38

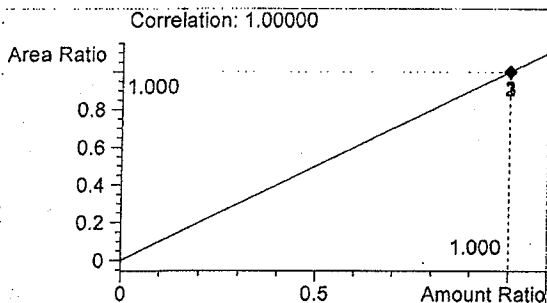


#	Compound	Area	RT
1	Ethanol	837	1.007
2	n-Propanol	1547	1.659

Totals:



Ethanol 0.128 g/100ml



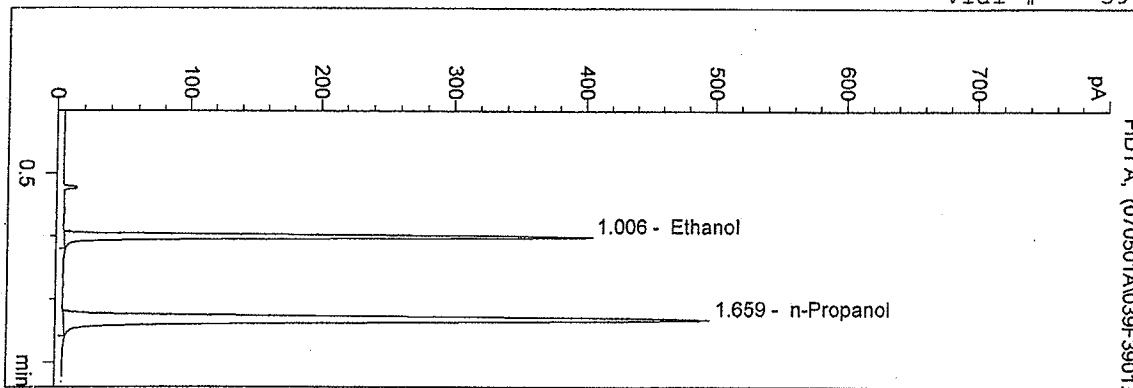
n-Propanol 1.000 g/100ml

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 Instrument 4
 DB-ALC1

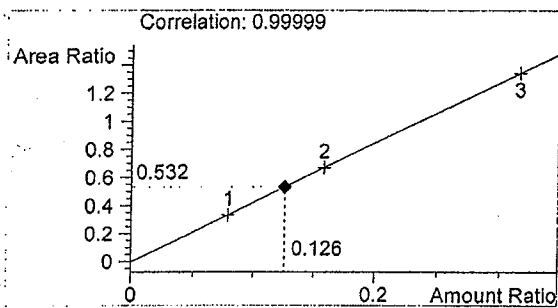
07013
 bcapron

vial # 39

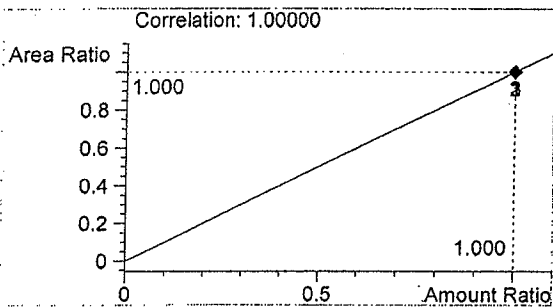


#	Compound	Area	RT
1	Ethanol	827	1.006
2	n-Propanol	1555	1.659

Totals:



Ethanol 0.126 g/100ml



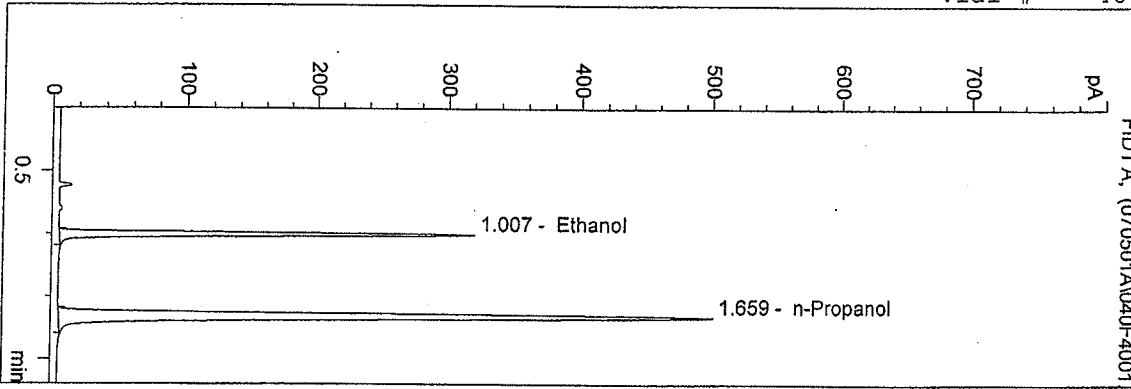
n-Propanol 1.000 g/100ml

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 5/1/2007 9:11:29 AM
 Instrument 4
 DB-ALC1

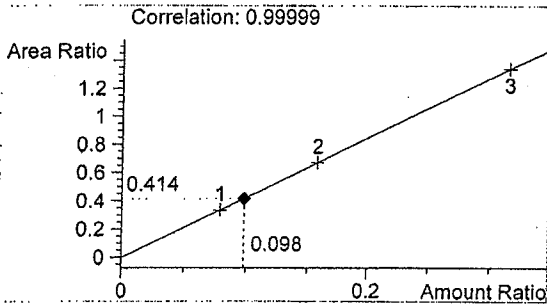
0.10 control bc
 bcapron

vial # 40

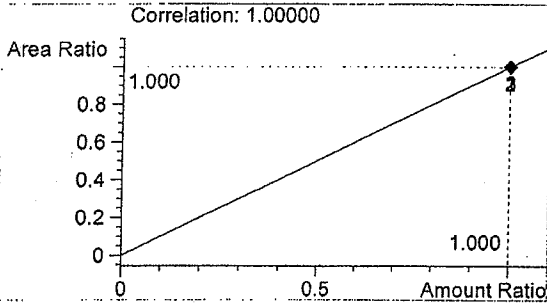


#	Compound	Area	RT
1	Ethanol	652	1.007
2	n-Propanol	1574	1.659

Totals:



Ethanol 0.098 g/100ml



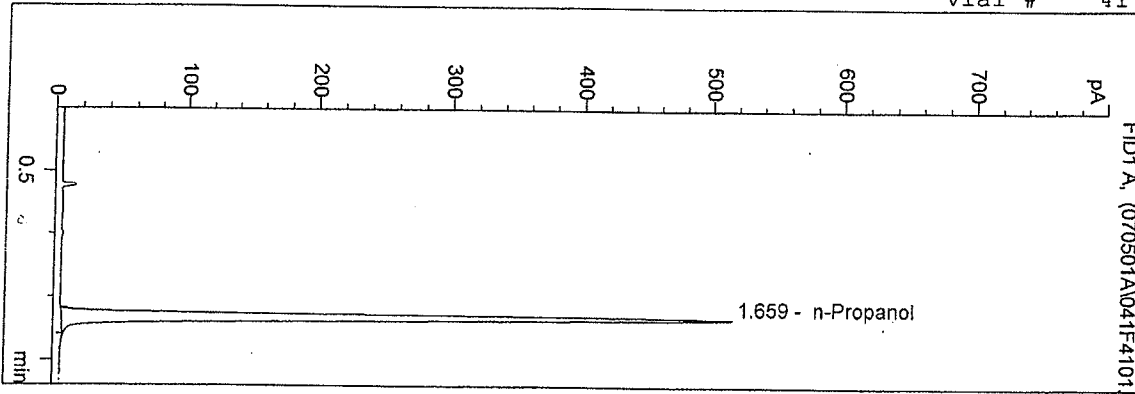
n-Propanol 1.000 g/100ml

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 5/1/2007 9:14:49 AM
 Instrument 4
 DB-ALC1

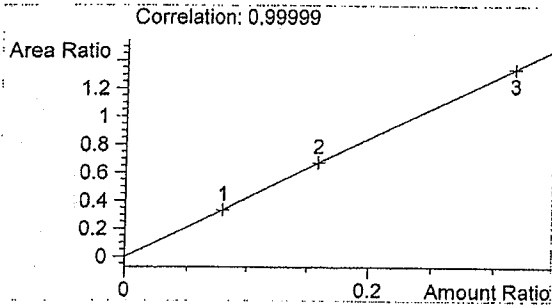
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 bcapron

vial # 41

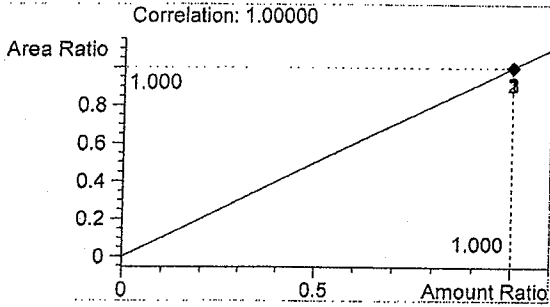


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1616	1.659

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml