WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2000

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 12007

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 02/07/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Brianna Peterson

	BP	RF	DC	SS	CM	JLK	AJL	CSJ
1	0.101	0.099	0.097	0.103	0.102	0.103	0.102	0.102
2	0.102	0.103	0.102	0.103	0.102	0.103	0.104	0.102
3	0.099	0.103	0.101	0.102	0.102	0.103	0.104	0.102
4	0.101	0.099	0.102	0.104	0.103	0.104	0.103	0.102
5	0.101	0.099	0.102	0.102	0.102	0.103	0.102	0.102
C	0.096	0.098	0.100	0.101	0.101	0.103	0.101	0.100

ETHANOL CONTROL INFORMATION
LOT NUMBER: A075806 EXPIRATION: 11/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1019 g/100mL
STANDARD DEVIATION: 0.00153
PRECISION CV (%): 1.50
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0829 g/210L**
EXPANDED UNCERTAINTY: ± 0.0046 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5
Melissa L. Pemberton Forensic Scientist Supervisor

2-27-2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BP	Brianna Peterson	Brianna Peterson	02/07/2012
RF	Rebecca Flaherty		02/08/2012
DC	Dawn Cox		02/08/2012
SS	Sarah Swenson		02/10/2012
CM	Christie Mitchell-Mata		02/10/2012
JLK	Justin L. Knoy		02/15/2012
AJL	Asa J. Louis	Louis	02/16/2012
CSJ	Christopher S. Johnston		02/16/2012

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol - Toxicology Laboratory Division
ESS Test Report Calculation Record

External Standard Solution Batch #: 12007 **Date Prepared: 2/7/2012**

Analyst:	BP	RF	DC	SS	CM	JK	AL	CJ
Date Tested:	2/7/2012	2/8/2012	2/8/2012	2/10/2012	2/10/2012	2/15/2012	2/16/2012	2/16/2012
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.101	0.099	0.097	0.103	0.102	0.103	0.102	0.102
2	0.102	0.103	0.102	0.103	0.102	0.103	0.104	0.102
3	0.099	0.103	0.101	0.102	0.102	0.103	0.104	0.102
4	0.101	0.099	0.102	0.104	0.103	0.104	0.103	0.102
5	0.101	0.099	0.102	0.102	0.102	0.103	0.102	0.102
C	0.096	0.098	0.100	0.101	0.101	0.103	0.101	0.100

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0002240476	0.0004571429	0.0001016326

Ethanol Control Lot #: A075806
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1019 g/100mL
Standard Deviation: 0.00153 g/100mL
Precision CV (%): 1.50
Equivalent Vapor Concentration: 0.0829 g/210L
Combined Standard Uncertainty (±): 0.0023 g/210L
Expanded Uncertainty (±): 0.0046 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pinkerton [signature] 2/21/12
Name Signature Date

Calculations verified by: JASON SKLEROV [signature] 2-23-12
Name Signature Date

Method: HAND CALCULATOR

Technical review of batch file performed by:
Melissa L. Pinkerton [signature] 2-27-12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** 2-23-12

Location: WSP-FLSB ; SEATTLE, WA **Solution Batch Number:** 12007

	YES	NO	N/A
Analysis dates do not precede preparation date:	☒	☐	☐
Declarations signed and properly dated:	☒	☐	☐
Data entry corresponds to all chromatograms:	☒	☐	☐
All signatures present on Test Report:	☒	☐	☐
Average solution concentration correct:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
CV (%) correct:	☒	☐	☐
Equivalent vapor concentration correct:	☒	☐	☐
All chromatograms and sequences included in file:	☒	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐

Comments:

Reviewer Signature: (SKLEROV) **Date:** 2-27-12

Reviewer Signature: N/A 2/27/12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Black		
Asa Louis	AL	2012 02 24
Brian Capron		
Brianna Peterson	BP	2/27/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	2/21/12
Christopher Johnston	CJ	2/21/12
Dawn Cox	DC	2.21.12
Justin Knoy	JK	2.21.12
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	2.21.12
Sarah Swenson	SMS	2/21/12

Batch # 12007

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 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

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, and Ph.D. degree in Toxicology.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

Brianna Peterson 2/27/12

Brianna Peterson Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

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 external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

02-21-2012

Rebecca Flaherty — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Dawn Cox, 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 in Forensic Chemistry and over nine years of experience in the field of toxicology.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

2.21.12

Dawn Cox — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Sarah M. Swenson, 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 and over nine years of experience in forensic toxicology.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

2/24/12

Sarah M. Swenson — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Christie Mitchell-Mata, 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, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

Christie Mitchell-Mata 2/6/2012

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Justin L. Knoy, 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 MS degree in Forensic Science.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

2-21-12

Justin L. Knoy — Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

20120221

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12007

I, Christopher S. Johnston, 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.

The external standard solution, Lot Number 12007, was prepared in the Washington State Toxicology Laboratory on 2/7/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 2/7/2013.

Seattle, WA

2/21/2012

Christopher S. Johnston Date

Forensic Toxicologist

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 2/7/12 Initials of Preparer: BP

Expiration Date: 2/7/13

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 1/9/12

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12007

Stir bar is rotating	☑
Stirred for minimum 30 minutes; 2 hours for ESS	☑
Spigot purged	☑
Aliquot taken	☑
Batch labeled, packaged and sealed	☑

2/7/12
Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Brianna Peterson
Analyst Signature

2/7/12
Date

Sequence Parameters:

Operator:	Brianna Peterson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120207BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control Lot#A077459 exp 02/2015
0.10 Control Lot#A075806 exp 11/2014
0.20 Control Lot#A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E1111-01
3	Vial 3	E1111-02
4	Vial 4	E1111-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12007

BP

Sequence: C:\HPCHEM\2\SEQUENCE\BPEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL - BP	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - BP	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - BP	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - BP	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - BP	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - BP	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - BP	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

BP

Calibration Table

Calib. Data Modified : Tuesday, February 07, 2012 11:01:13 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.86300e-2	521.20831	1.50861e-4	1		Ethanol
		2	1.55890e-1	1031.40808	1.51143e-4			
		3	3.12180e-1	2078.48975	1.50196e-4			
1.823	1	1	1.00000	1410.51379	7.08962e-4	I1		n-Propanol
		2	1.00000	1398.90686	7.14844e-4			
		3	1.00000	1418.68579	7.04878e-4			

Peak Sum Table

No Entries in table

12007

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Calibration Curves

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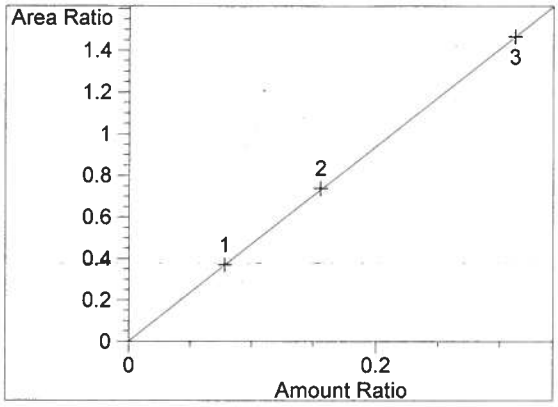
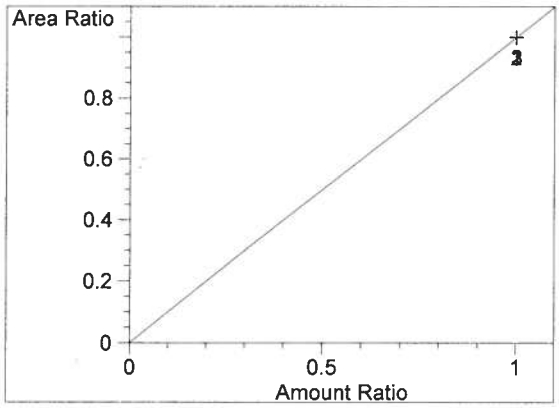


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00339
Formula: y = mx + b
m: 4.69457
b: 1.34238e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

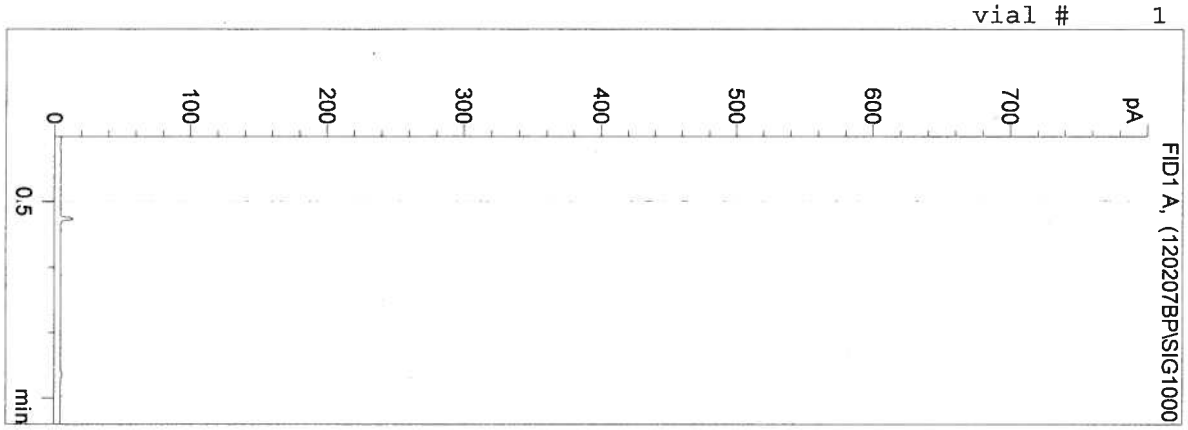
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 10:49:39 AM
Instrument 3
DB-ALC2

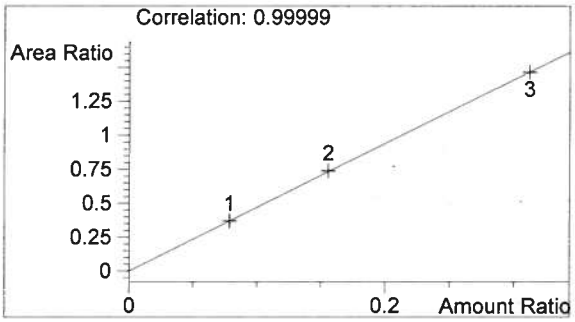
blank
Brianna Peterson

vial # 1

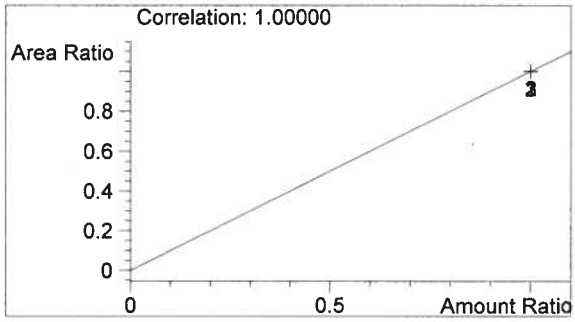


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12007

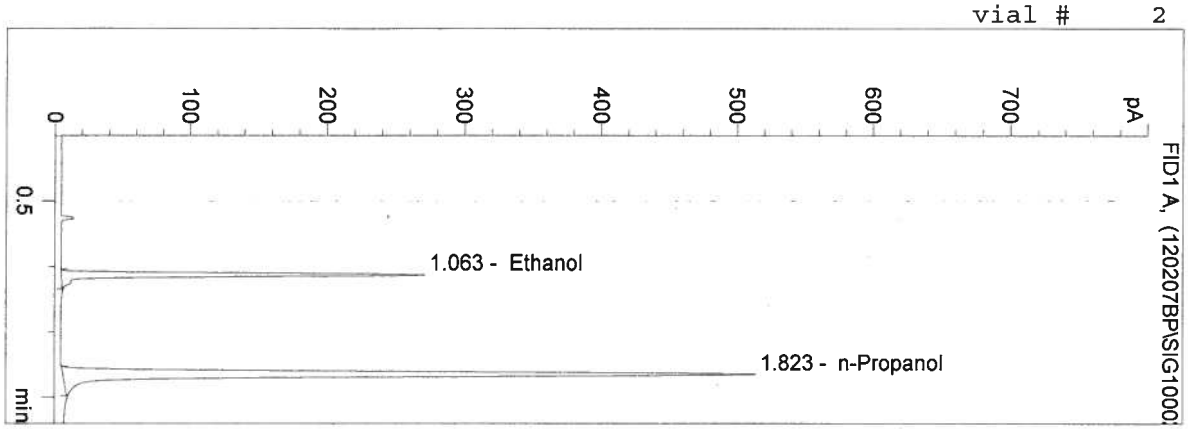
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 10:52:46 AM
Instrument 3
DB-ALC2

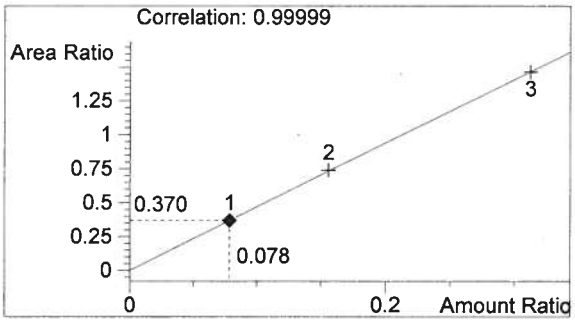
0.079 CAL 1
Brianna Peterson

vial # 2

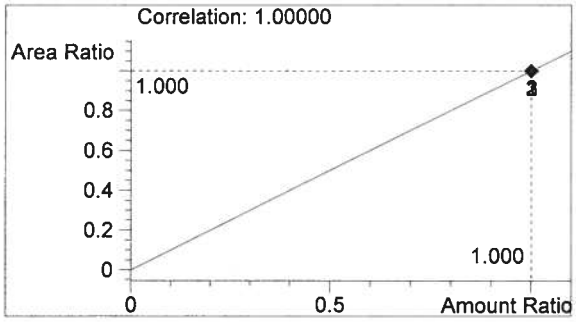


#	Compound	Area	RT
1	Ethanol	521	1.063
2	n-Propanol	1411	1.823

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

12007

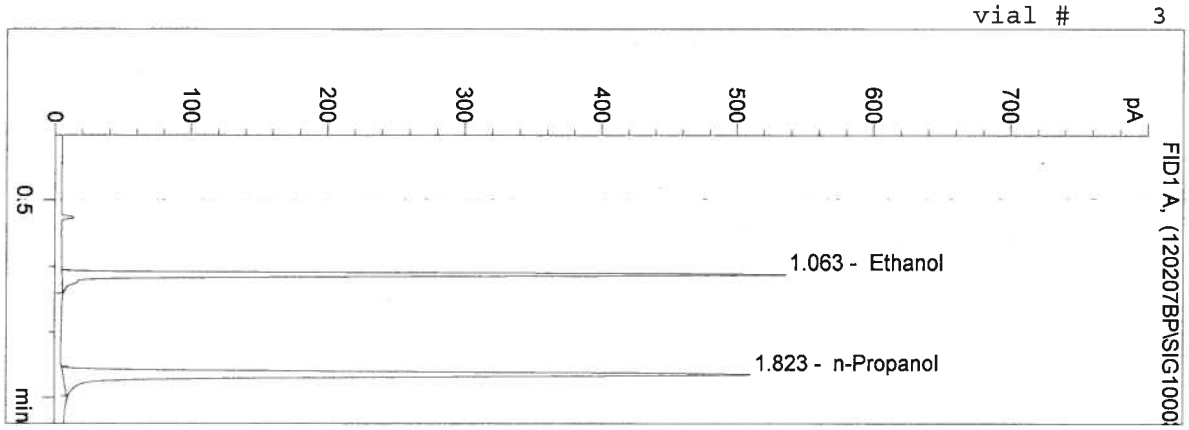
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 10:55:53 AM
Instrument 3
DB-ALC2

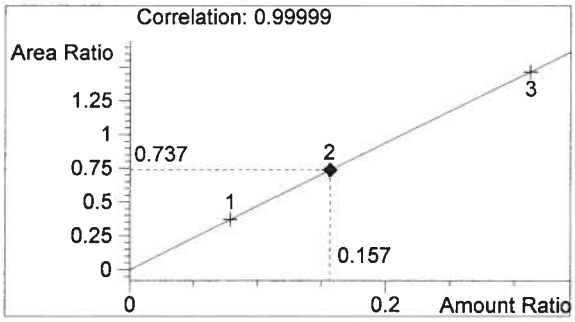
0.158 CAL 2
Brianna Peterson

vial # 3

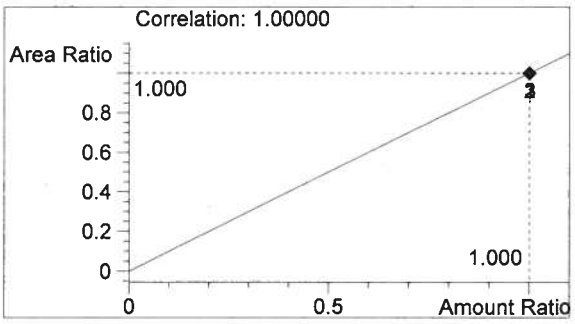


#	Compound	Area	RT
1	Ethanol	1031	1.063
2	n-Propanol	1399	1.823

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

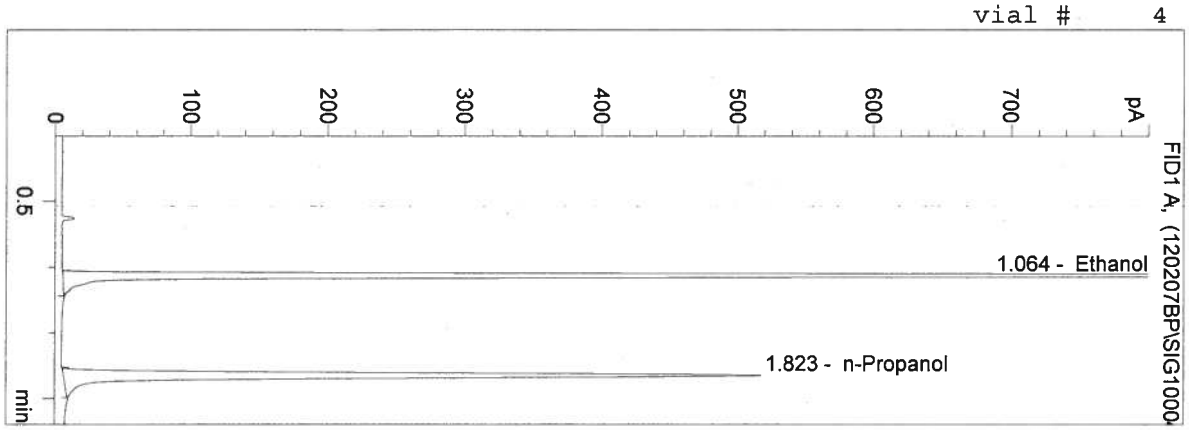
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 10:59:00 AM
Instrument 3
DB-ALC2

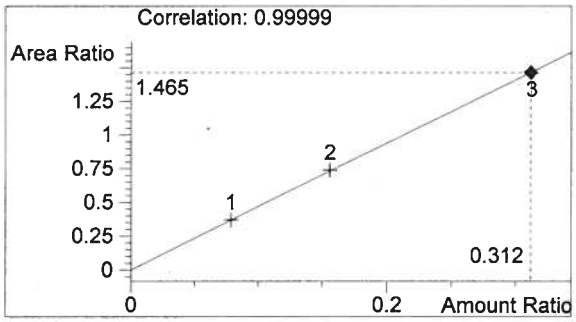
0.316 CAL 3
Brianna Peterson

vial # 4

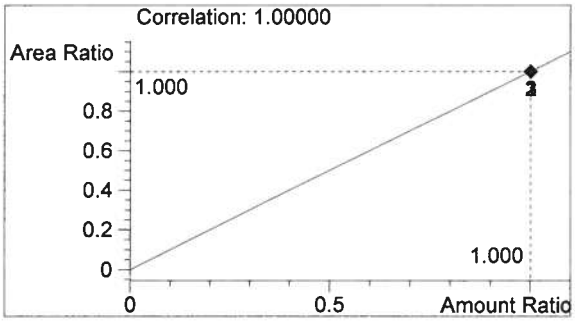


#	Compound	Area	RT
1	Ethanol	2078	1.064
2	n-Propanol	1419	1.823

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

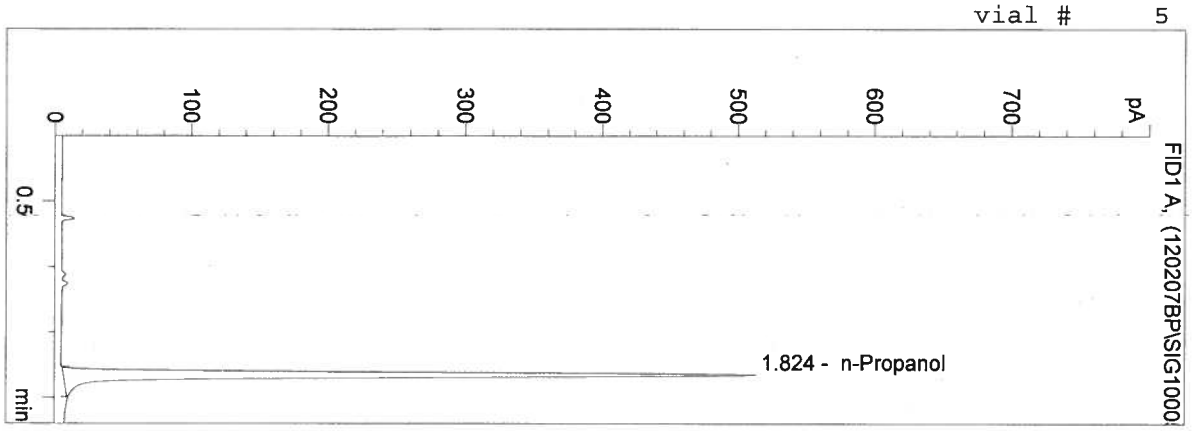
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:02:07 AM
Instrument 3
DB-ALC2

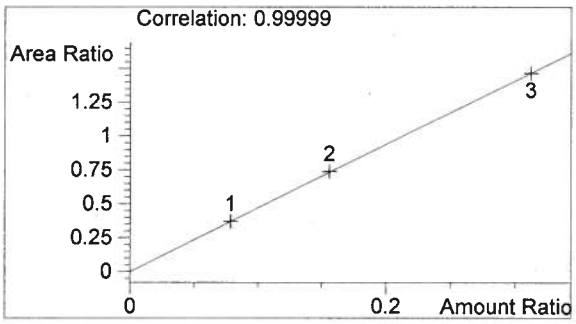
NEG CTRL - BP
Brianna Peterson

vial # 5

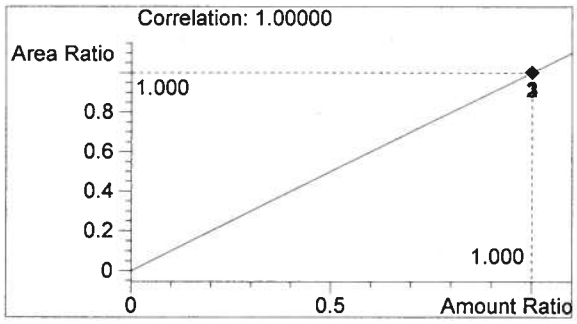


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1406	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

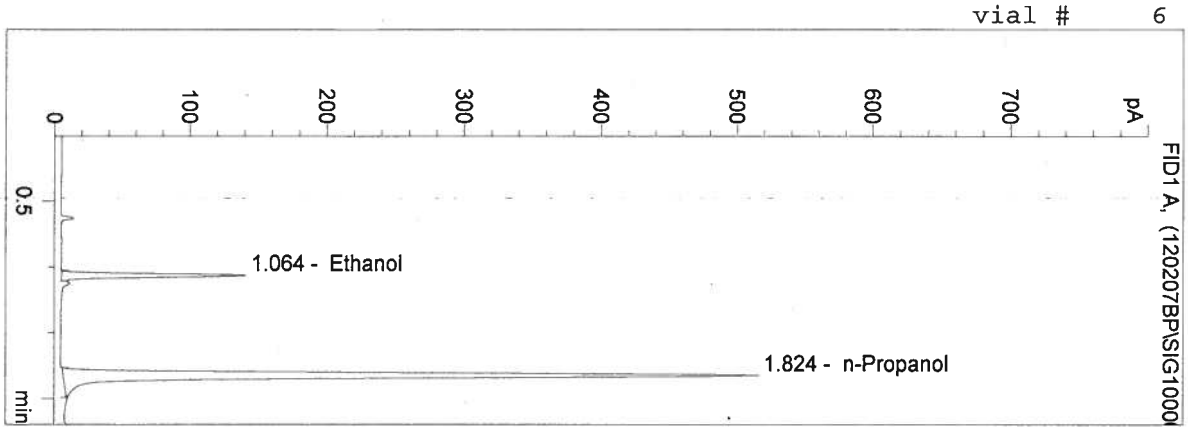
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:05:15 AM
Instrument 3
DB-ALC2

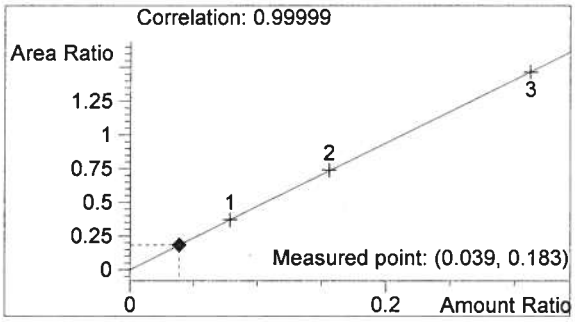
0.04 CTRL - BP
Brianna Peterson

vial # 6

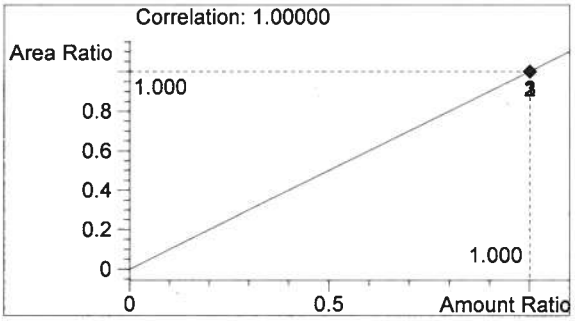


#	Compound	Area	RT
1	Ethanol	259	1.064
2	n-Propanol	1414	1.824

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12007

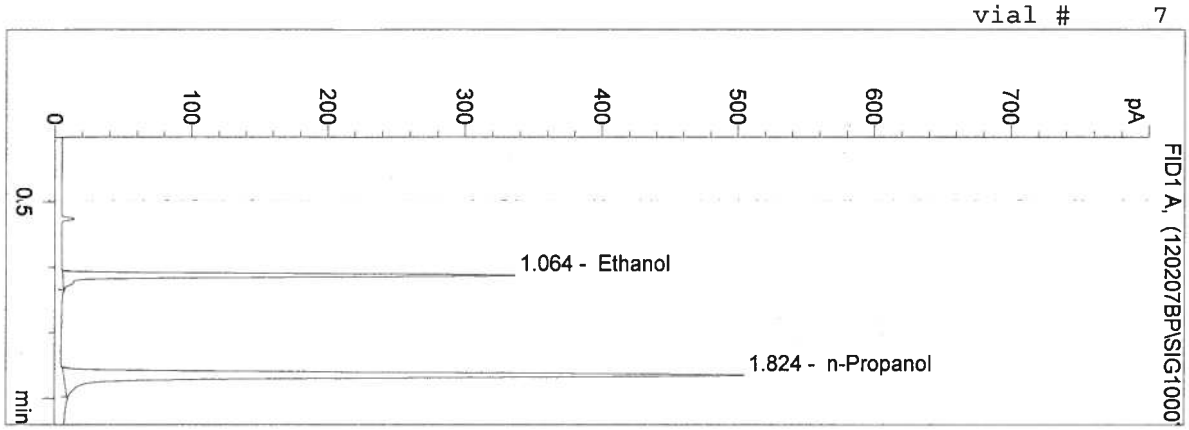
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:08:22 AM
Instrument 3
DB-ALC2

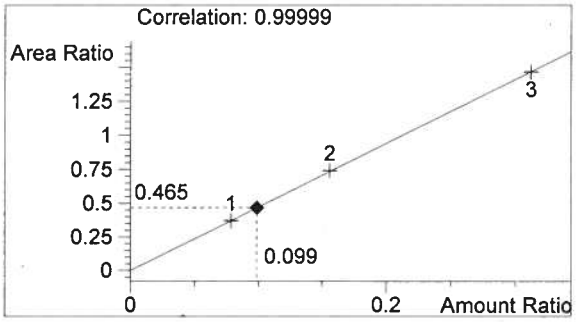
0.10 CTRL - BP
Brianna Peterson

vial # 7

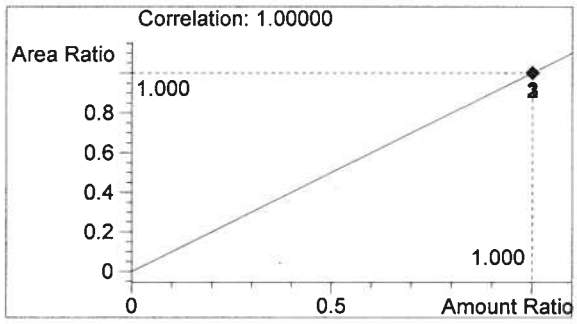


#	Compound	Area	RT
1	Ethanol	644	1.064
2	n-Propanol	1383	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12007

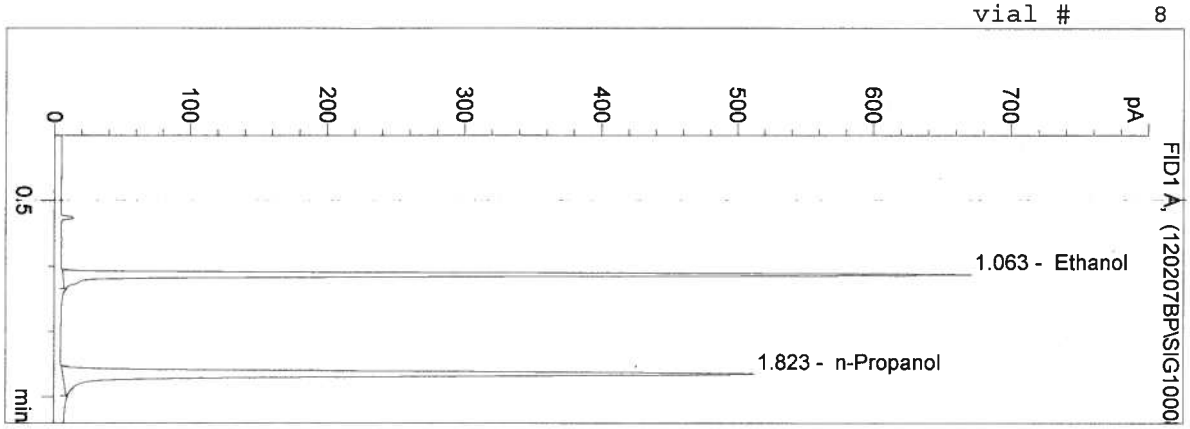
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:11:29 AM
Instrument 3
DB-ALC2

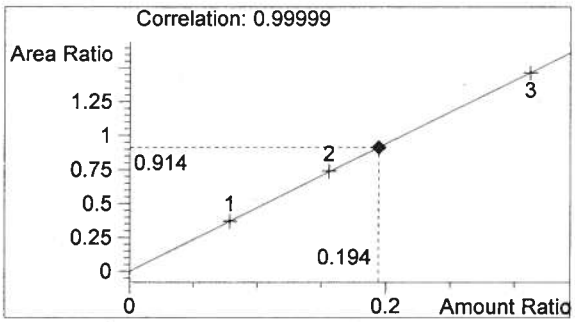
0.20 CTRL - BP
Brianna Peterson

vial # 8

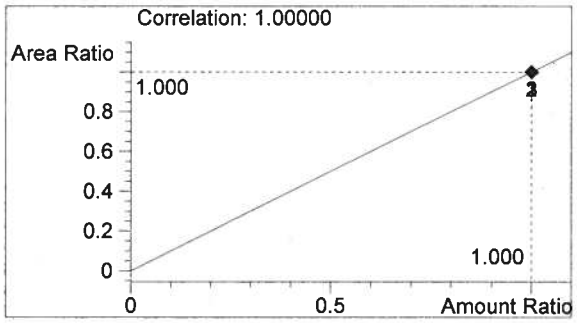


#	Compound	Area	RT
1	Ethanol	1286	1.063
2	n-Propanol	1407	1.823

Totals:



Ethanol 0.194 g/100ml



n-Propanol 1.000 g/100ml

12007

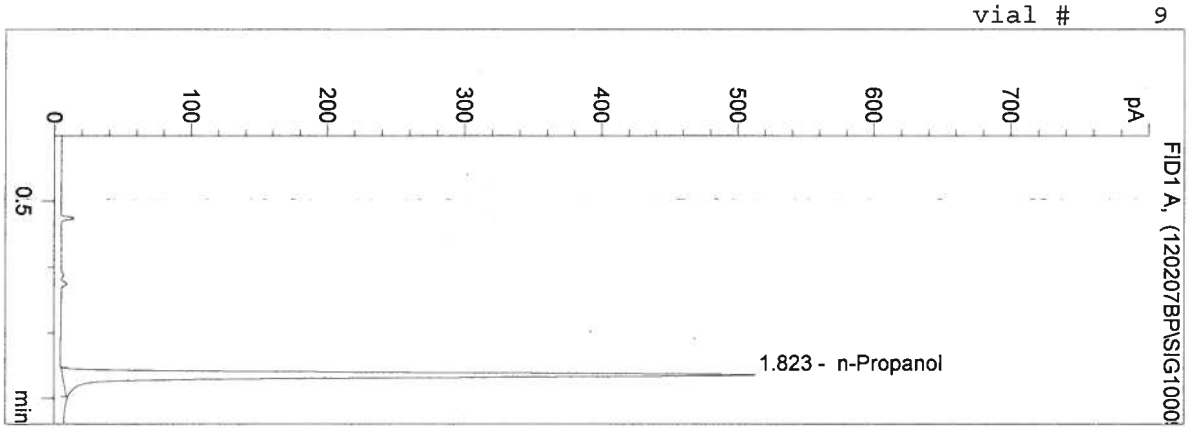
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:14:36 AM
Instrument 3
DB-ALC2

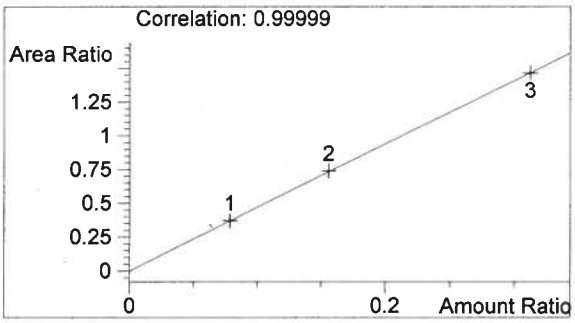
NEG CTRL - BP
Brianna Peterson

vial # 9

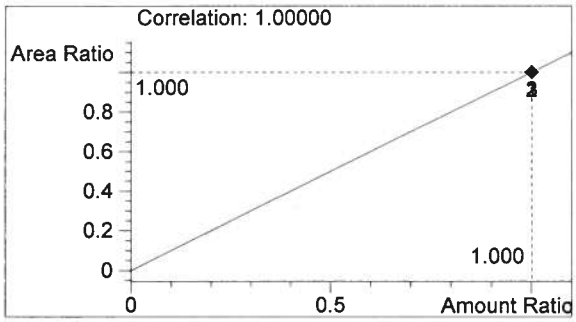


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1407	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

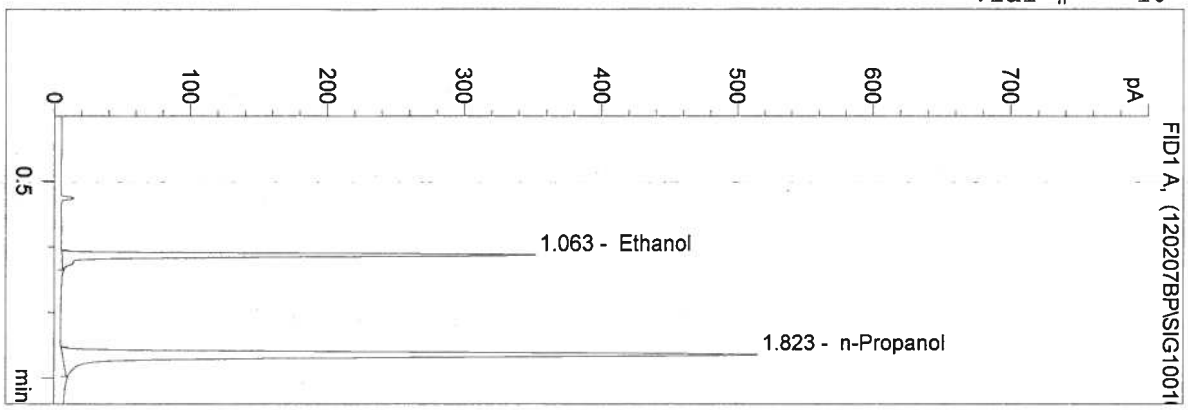
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

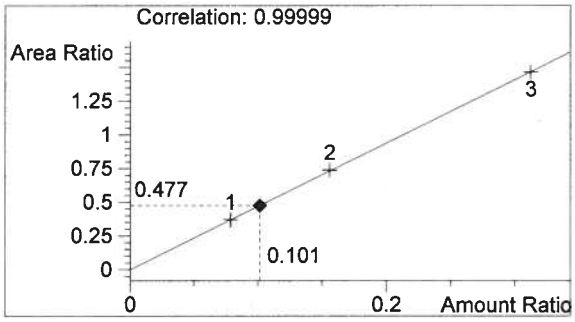
C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:17:44 AM
Instrument 3
DB-ALC2

12007 #1
Brianna Peterson

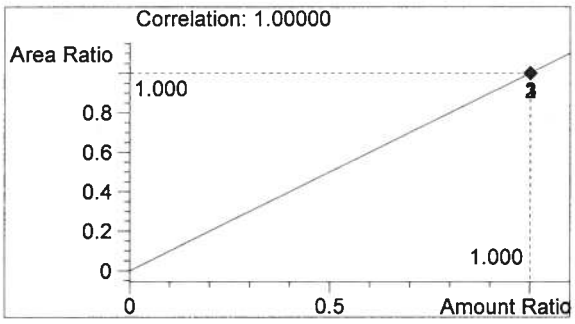
vial # 10



#	Compound	Area	RT
1	Ethanol	673	1.063
2	n-Propanol	1412	1.823
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

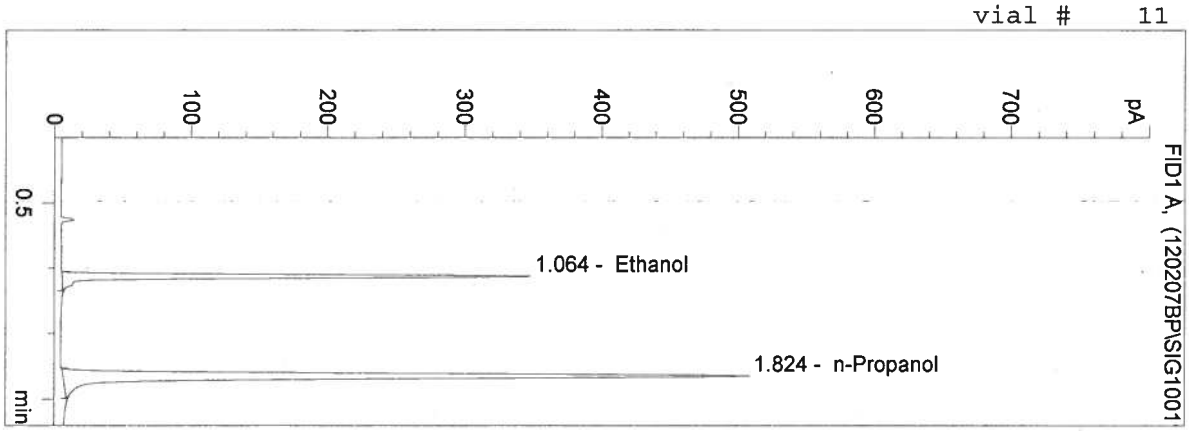
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:20:51 AM
Instrument 3
DB-ALC2

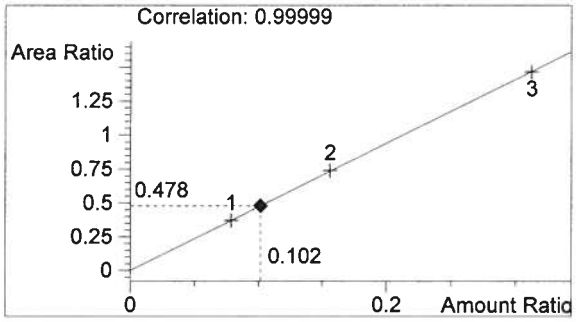
12007 #2
Brianna Peterson

vial # 11

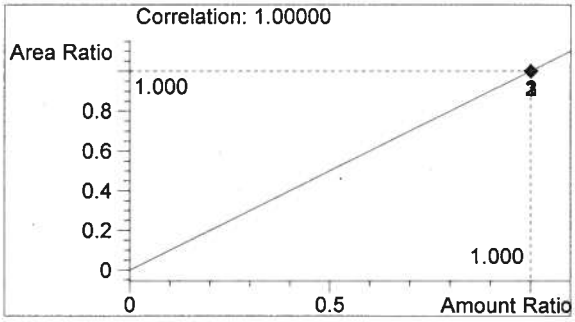


#	Compound	Area	RT
1	Ethanol	666	1.064
2	n-Propanol	1392	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

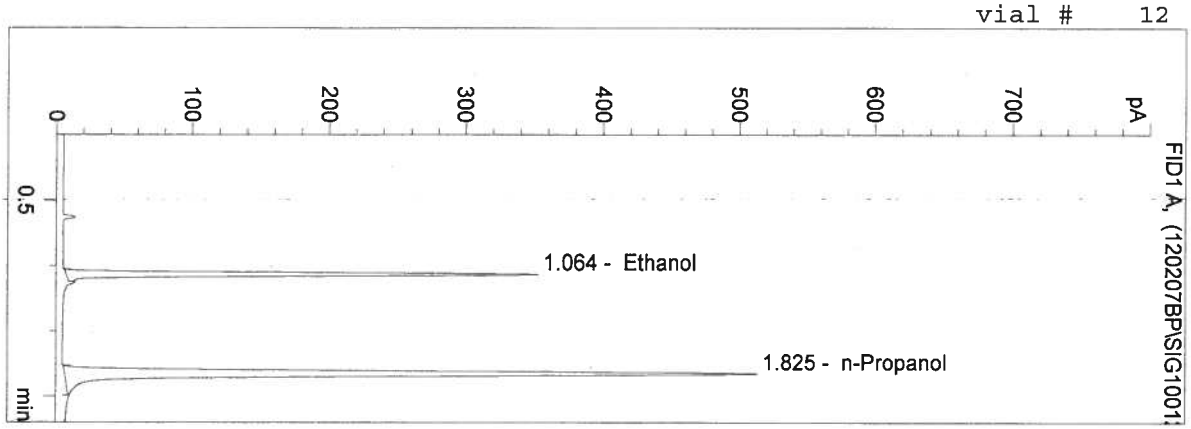
BG

WASHINGTON STATE TOXICOLOGY LABORATORY

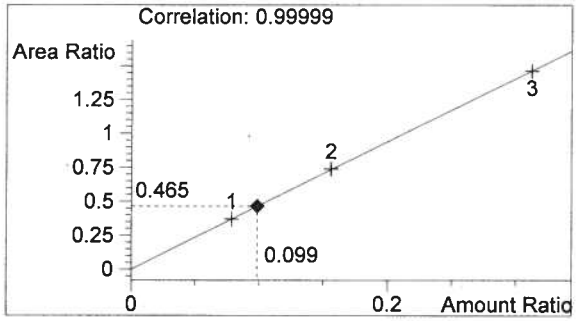
C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:23:58 AM
Instrument 3
DB-ALC2

12007 #3
Brianna Peterson

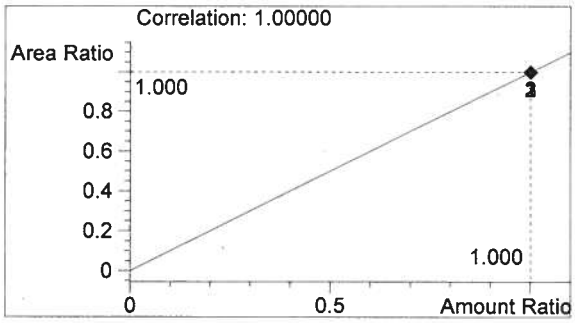
vial # 12



#	Compound	Area	RT
1	Ethanol	655	1.064
2	n-Propanol	1410	1.825
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

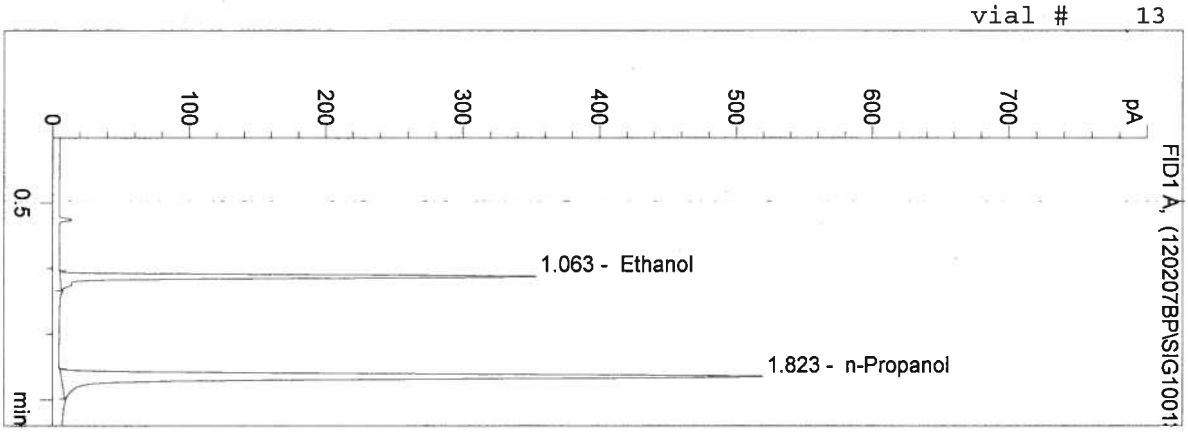
18

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:27:05 AM
Instrument 3
DB-ALC2

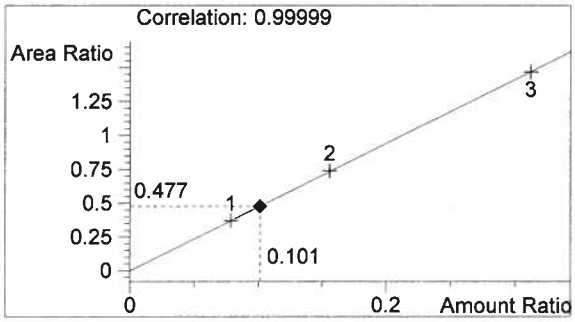
12007 #4
Brianna Peterson

vial # 13

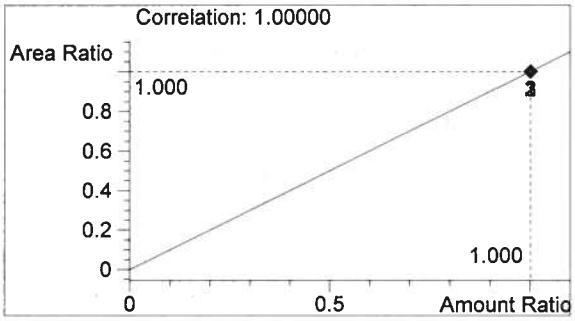


#	Compound	Area	RT
1	Ethanol	680	1.063
2	n-Propanol	1427	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

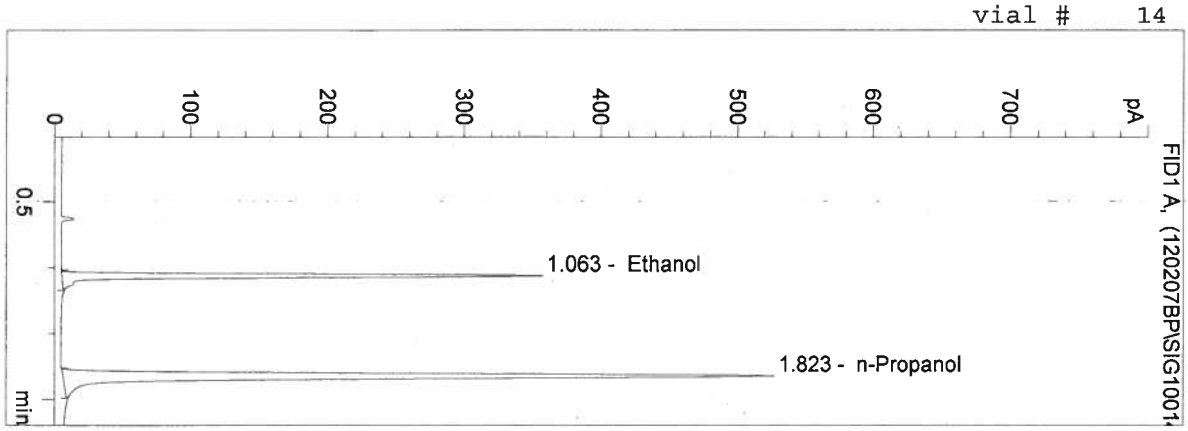
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:30:13 AM
Instrument 3
DB-ALC2

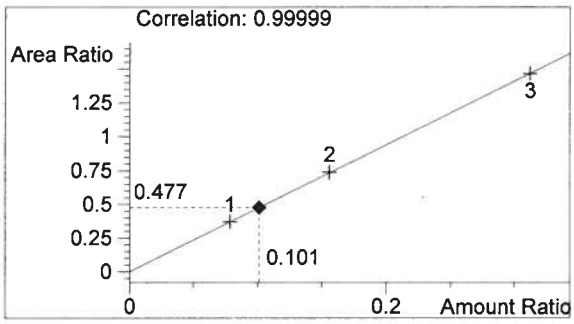
12007 #5
Brianna Peterson

vial # 14

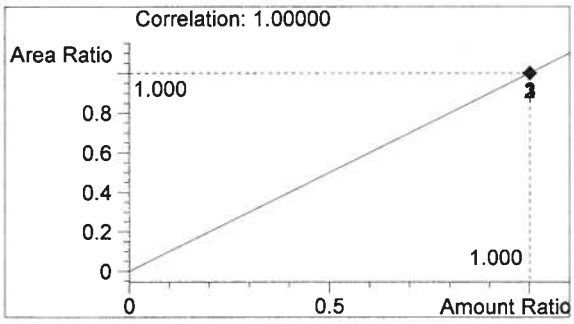


#	Compound	Area	RT
1	Ethanol	690	1.063
2	n-Propanol	1448	1.823

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

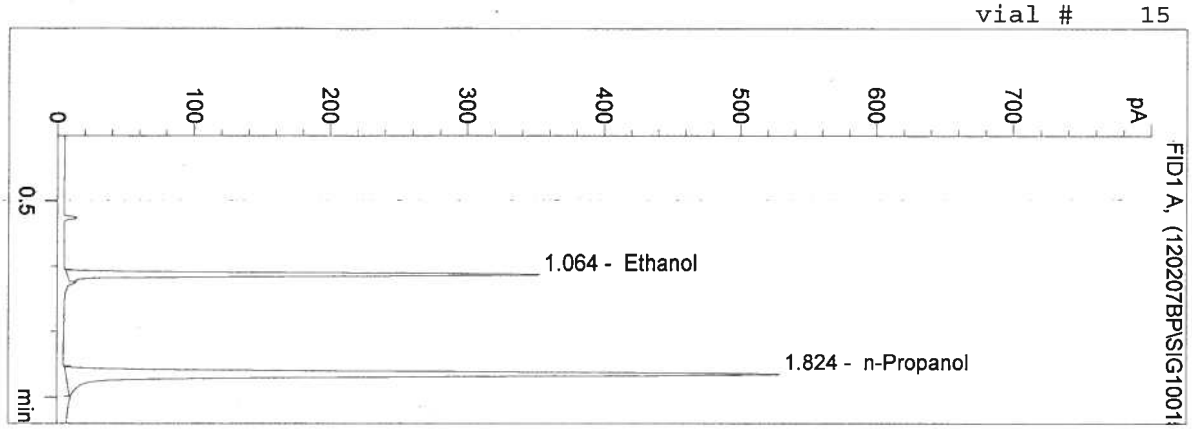
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:33:20 AM
Instrument 3
DB-ALC2

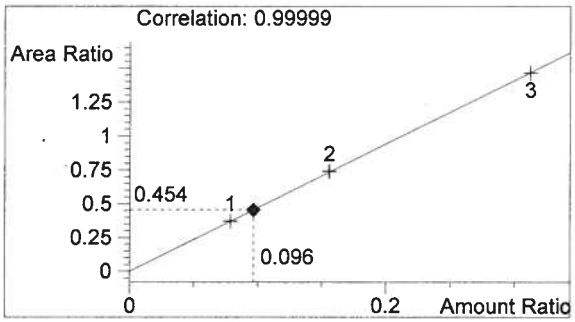
0.10 CTRL - BP
Brianna Peterson

vial # 15

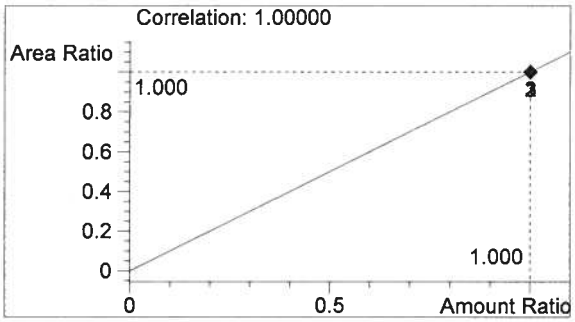


#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1449	1.824

Totals:



Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

12007

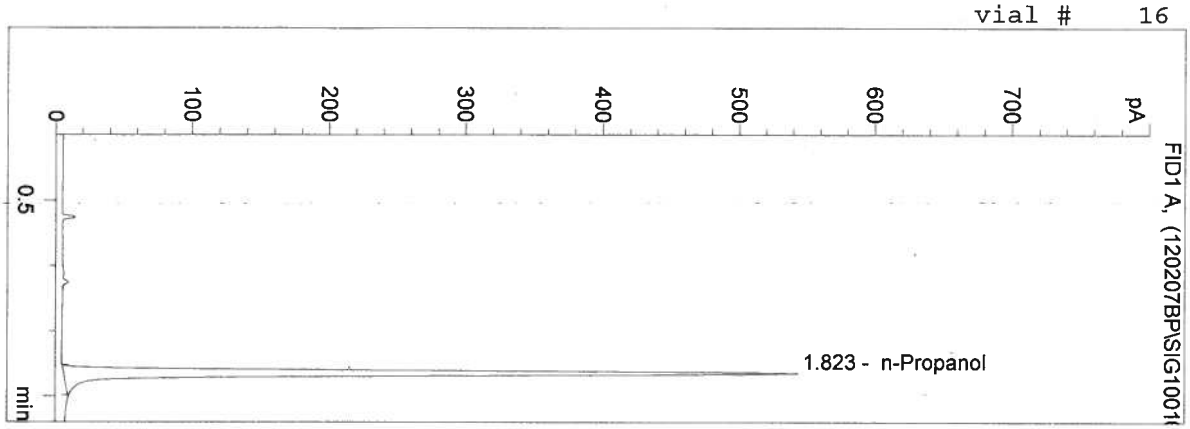
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/7/2012 11:36:27 AM
Instrument 3
DB-ALC2

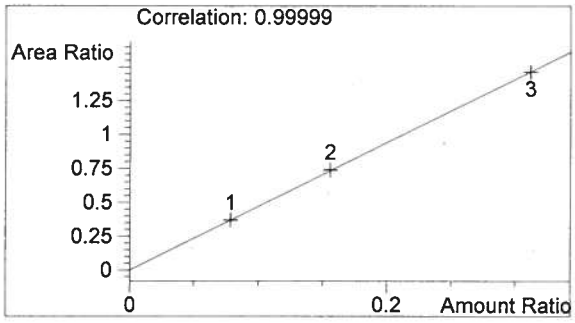
NEG CTRL - BP
Brianna Peterson

vial # 16

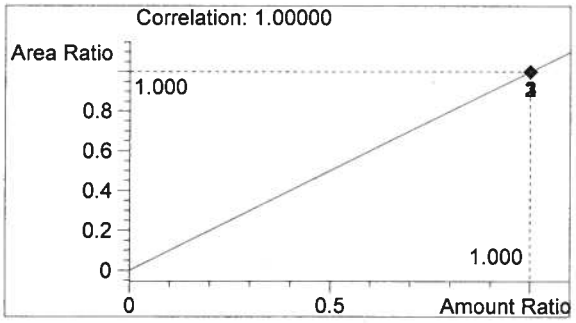


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1496	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

BP

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120208RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/1~~1~~2
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/1~~1~~2
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/1~~1~~2
RF 02-21-12

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

RF

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/1~~1~~2 RF 02-21-12
3	Vial 3	Ethanol Calibrator 2, E1111-02 - Exp. 02/10/1~~1~~2 RF 02-21-12
4	Vial 4	Ethanol Calibrator 3, E1111-03 - Exp. 02/10/1~~1~~2 RF 02-21-12
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
7	Vial 7	0.10 Control - Lot #A075806 - Exp. 11/2014
8	Vial 8	0.20 Control - Lot #A076521 - Exp. 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12007

Sequence: C:\HPCHEM\2\SEQUENCE\RFEXTSTD.S

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A075806 - Exp. 11/2014
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CONTROL-RF	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	SIMALC3	1	Ctrl Samp		

RF

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

Calibration Table

Calib. Data Modified : Wednesday, February 08, 2012 12:54:09 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.86300e-2	502.73495	1.56404e-4	1		Ethanol
		2	1.55890e-1	1033.81555	1.50791e-4			
		3	3.12180e-1	2051.67163	1.52159e-4			
1.823	1	1	1.00000	1433.18970	6.97744e-4	I1		n-Propanol
		2	1.00000	1400.20142	7.14183e-4			
		3	1.00000	1397.69446	7.15464e-4			

Peak Sum Table

No Entries in table

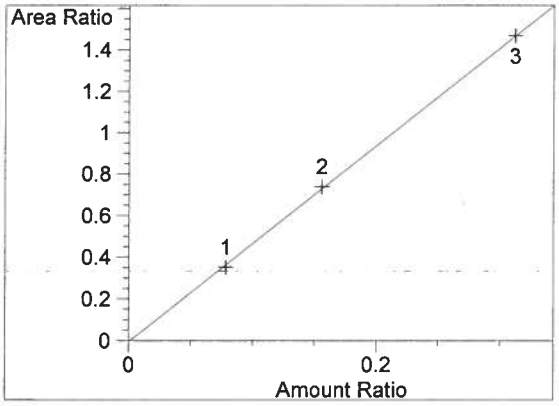
RL

12007

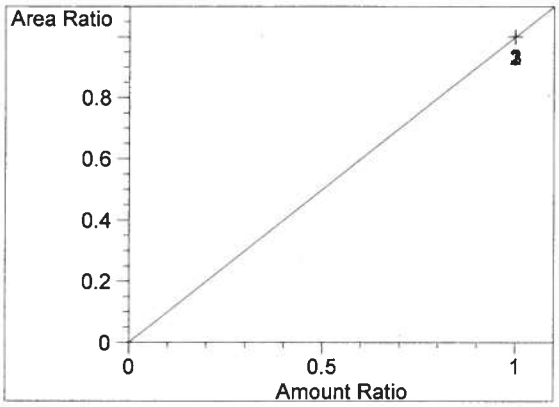
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99987
Residual Std. Dev.: 0.01252
Formula: y = mx + b
m: 4.72467
b: -6.49154e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.823
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

RS

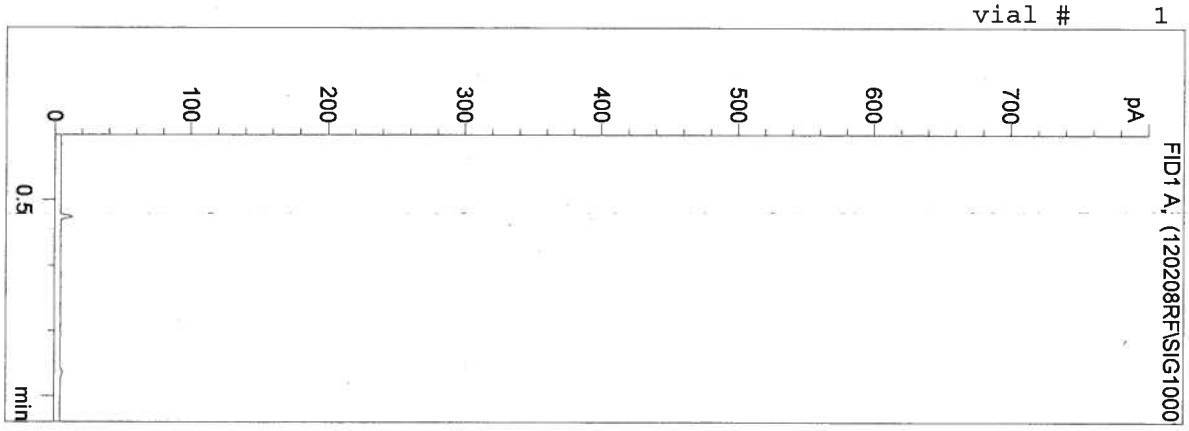
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 12:42:35 PM
Instrument 3
DB-ALC2

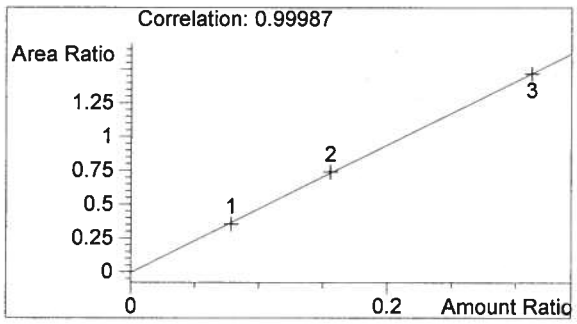
BLANK
Rebecca Flaherty

vial # 1

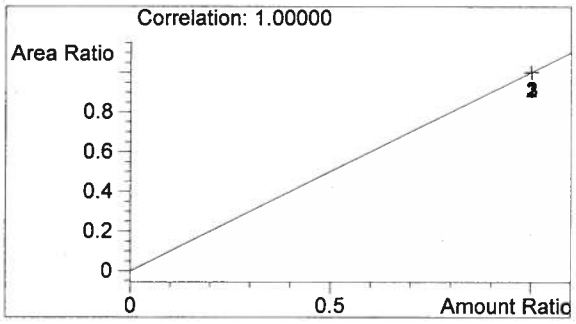


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Totals:			

RF



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

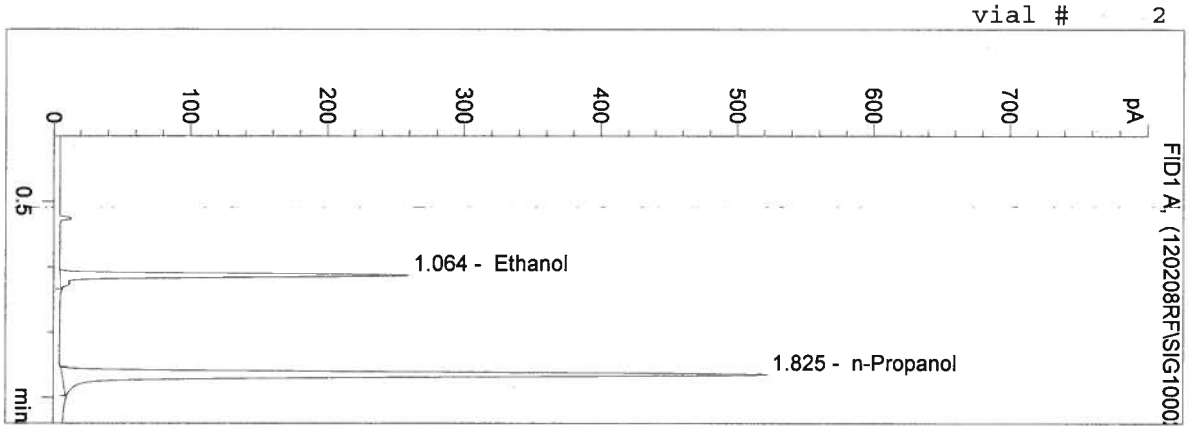
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 12:45:42 PM
Instrument 3
DB-ALC2

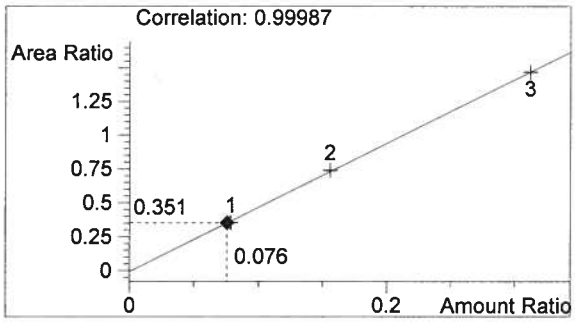
0.079 CAL 1
Rebecca Flaherty

vial # 2

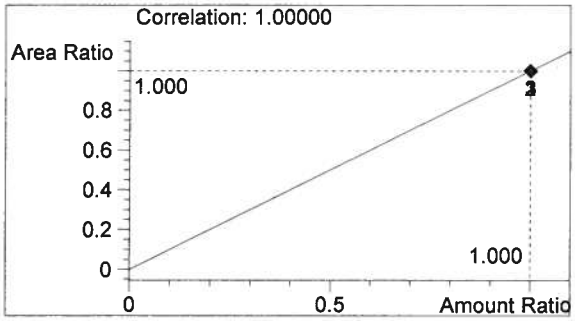


#	Compound	Area	RT
1	Ethanol	503	1.064
2	n-Propanol	1433	1.825
Totals:			

RF



Ethanol 0.076 g/100ml



n-Propanol 1.000 g/100ml

12007

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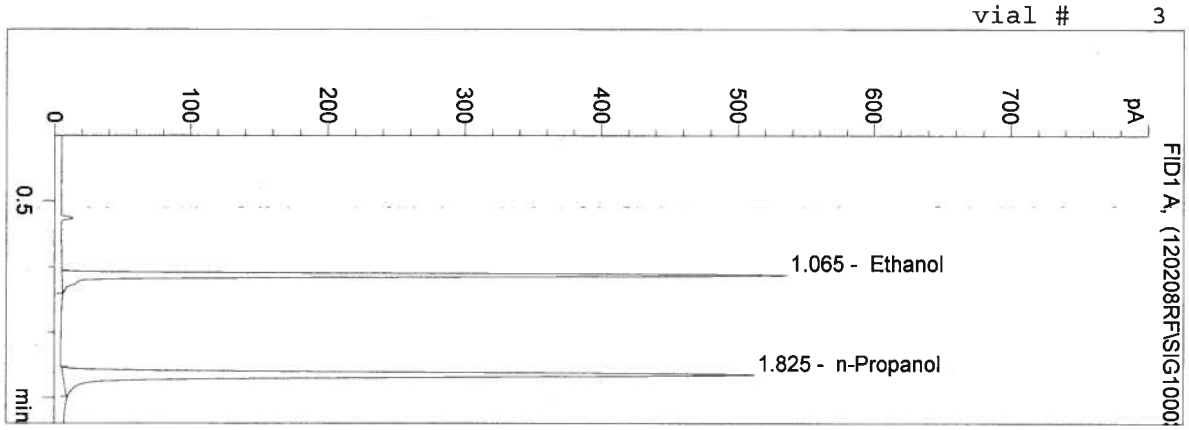
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 12:48:49 PM
Instrument 3
DB-ALC2

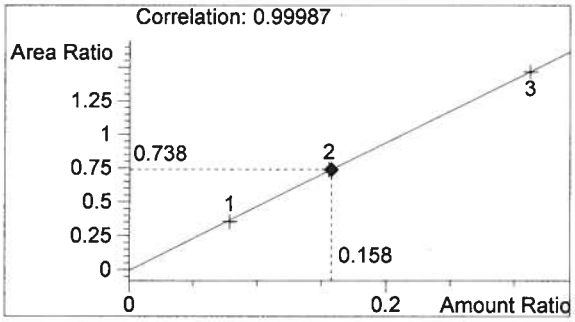
0.158 CAL 2
Rebecca Flaherty

vial # 3

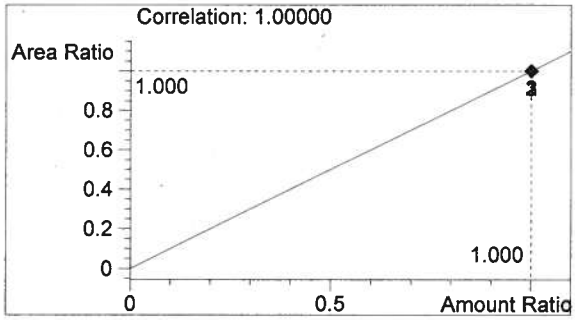


#	Compound	Area	RT
1	Ethanol	1034	1.065
2	n-Propanol	1400	1.825
Totals:			

RF



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

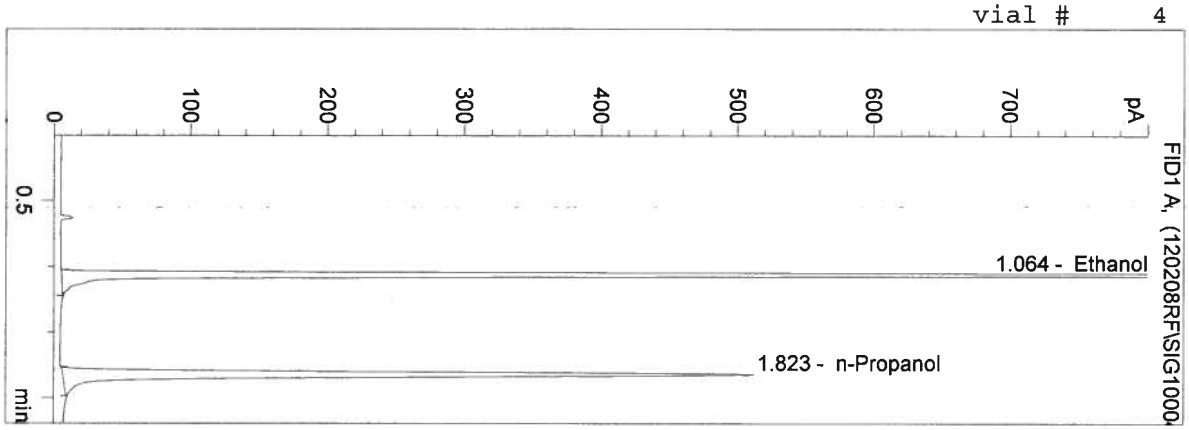
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 12:51:57 PM
Instrument 3
DB-ALC2

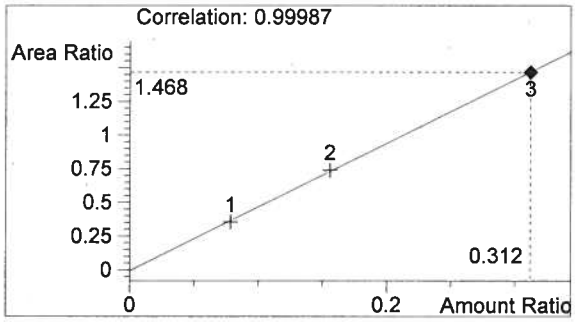
0.316 CAL 3
Rebecca Flaherty

vial # 4

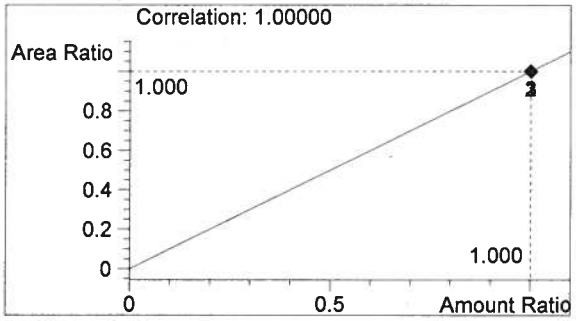


#	Compound	Area	RT
1	Ethanol	2052	1.064
2	n-Propanol	1398	1.823
Totals:			

RF



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

12007

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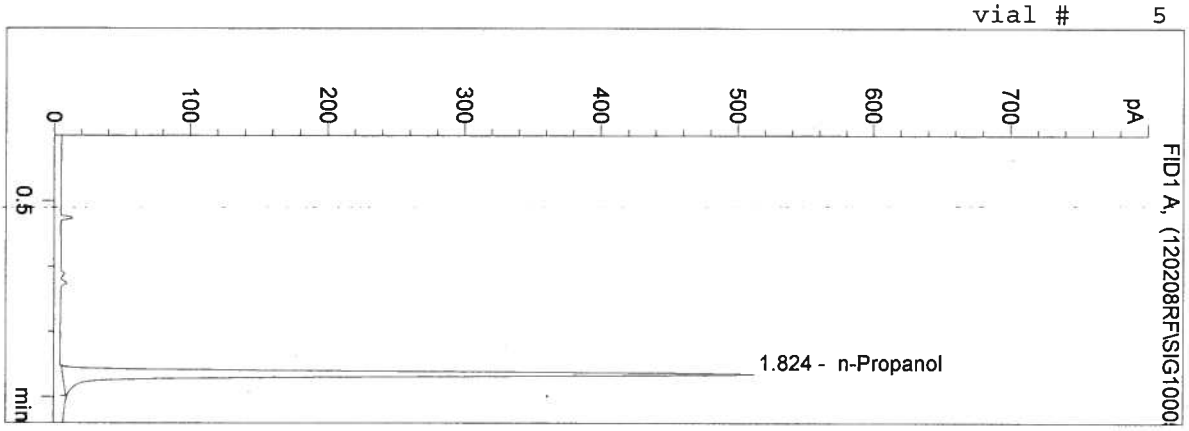
2/8/2012 12:55:04 PM
Instrument 3
DB-ALC2

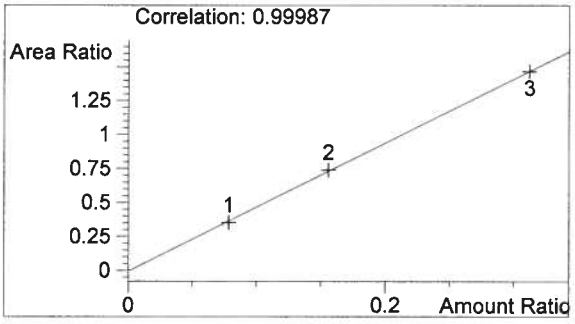
NEG CONTROL-RF
Rebecca Flaherty

vial # 5

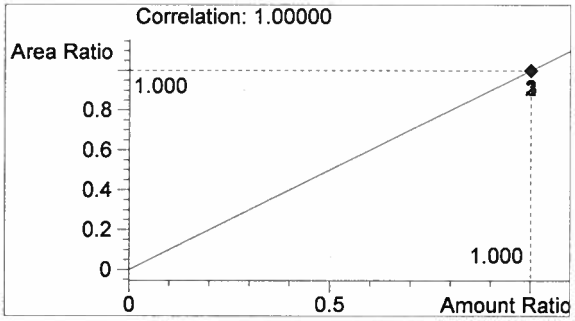


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1402	1.824
Totals:			

RF



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

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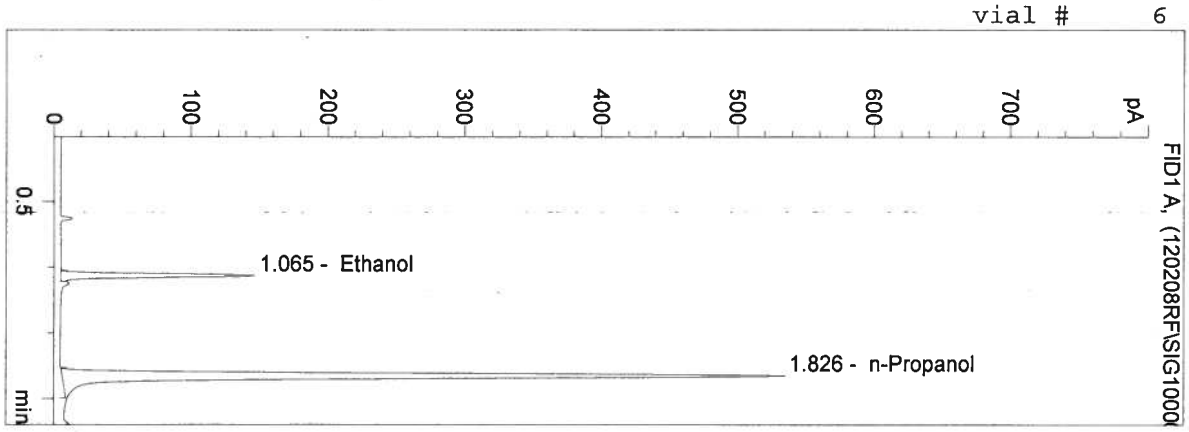
2/8/2012 12:58:11 PM
Instrument 3
DB-ALC2

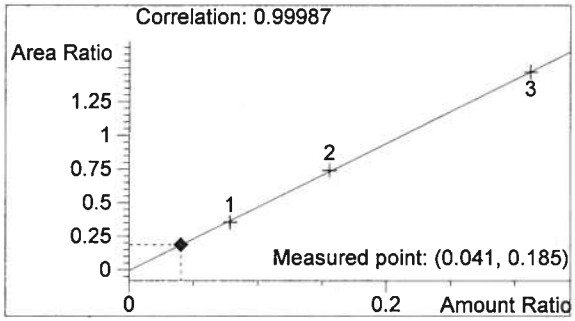
0.04 CONTROL-RF
Rebecca Flaherty

vial # 6

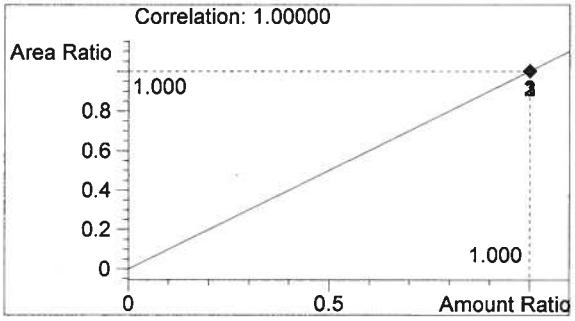


#	Compound	Area	RT
1	Ethanol	272	1.065
2	n-Propanol	1473	1.826
Totals:			

RF



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

12007

WASHINGTON STATE TOXICOLOGY LABORATORY

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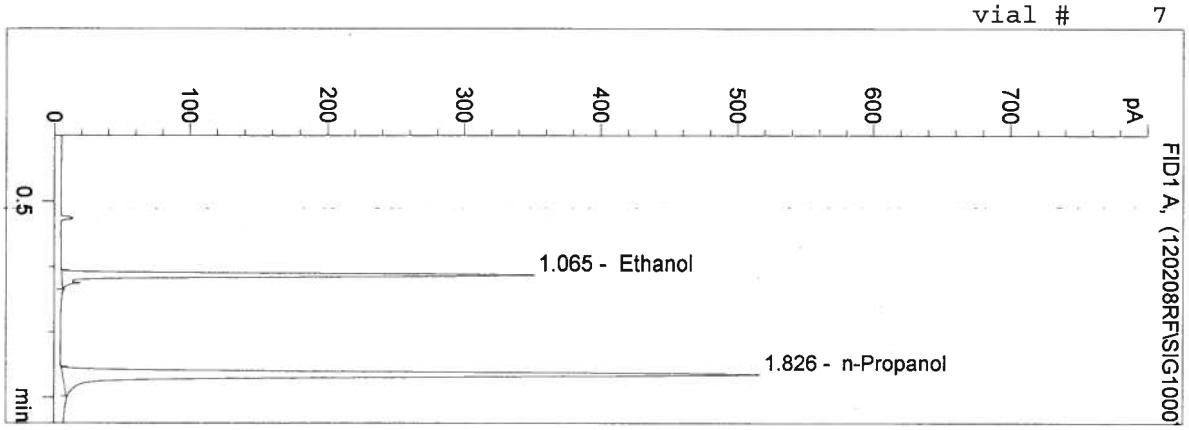
2/8/2012 1:01:18 PM
Instrument 3
DB-ALC2

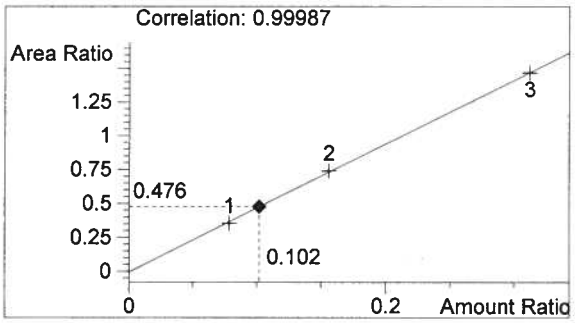
0.10 CONTROL-RF
Rebecca Flaherty

vial # 7

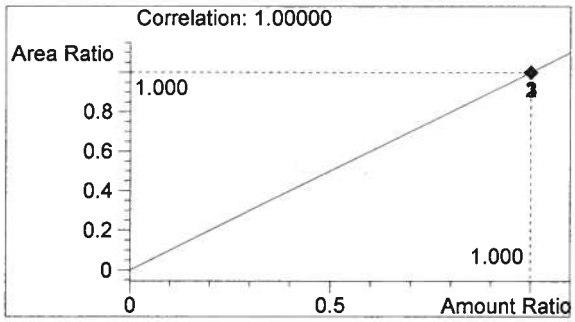


#	Compound	Area	RT
1	Ethanol	674	1.065
2	n-Propanol	1416	1.826
Totals:			

RF



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12007

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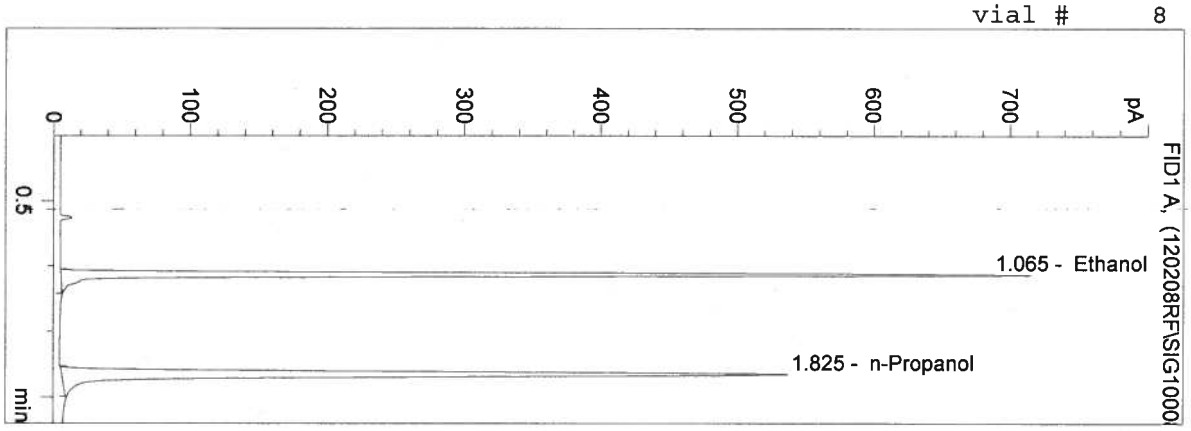
2/8/2012 1:04:26 PM
Instrument 3
DB-ALC2

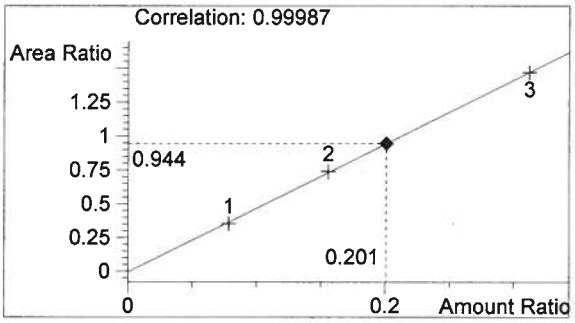
0.20 CONTROL-RF
Rebecca Flaherty

vial # 8

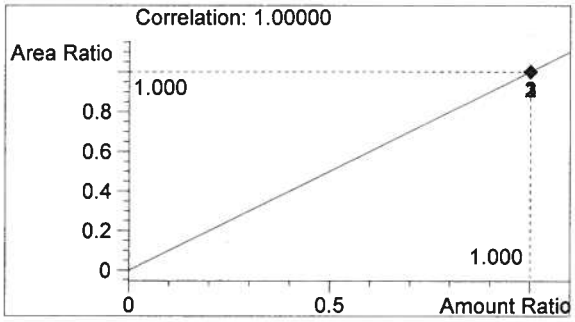


#	Compound	Area	RT
1	Ethanol	1393	1.065
2	n-Propanol	1476	1.825
Totals:			

RF



Ethanol 0.201 g/100ml



n-Propanol 1.000 g/100ml

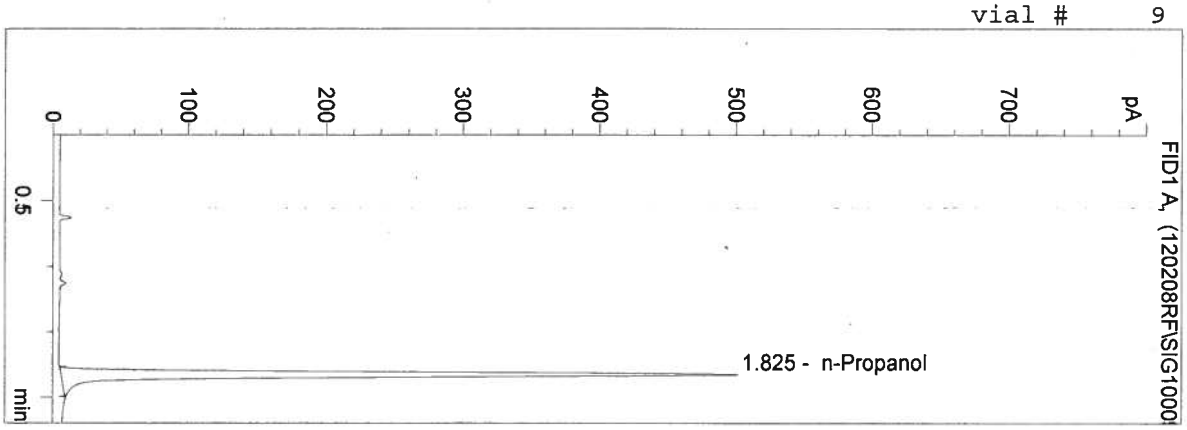
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 1:07:33 PM
Instrument 3
DB-ALC2

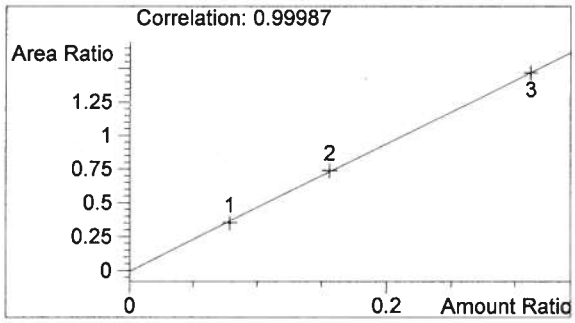
NEG CONTROL-RF
Rebecca Flaherty

vial # 9

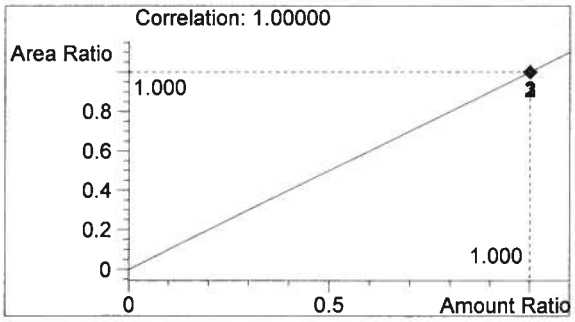


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1372	1.825
Totals:			

RF



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

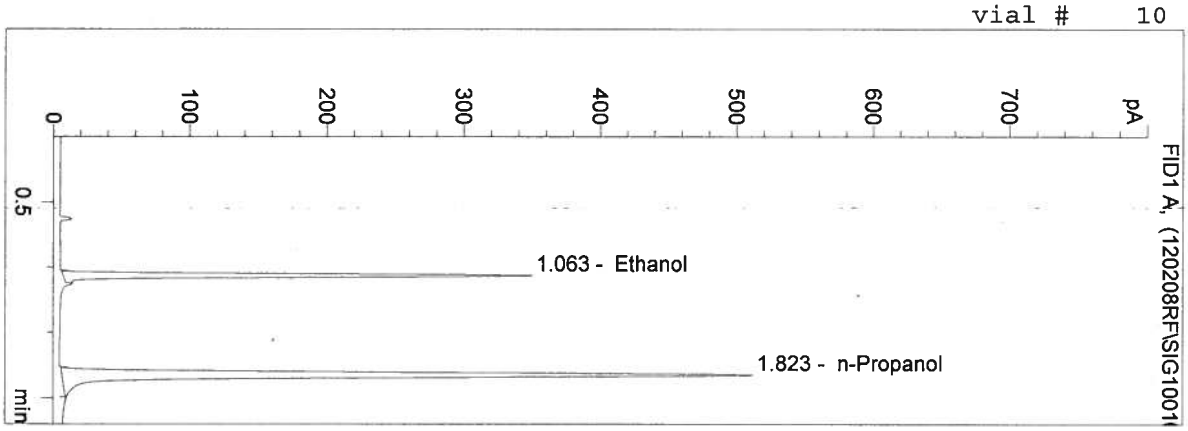
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 1:10:40 PM
Instrument 3
DB-ALC2

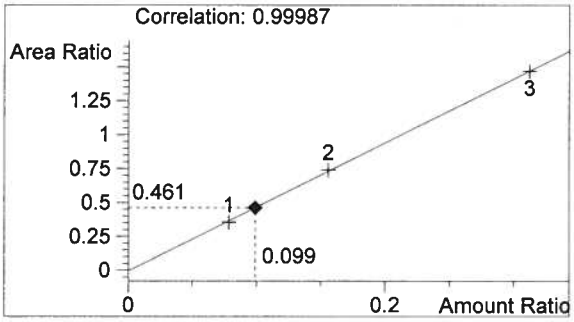
12007 #1
Rebecca Flaherty

vial # 10

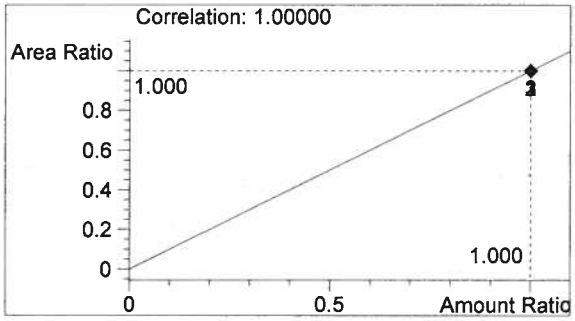


#	Compound	Area	RT
1	Ethanol	647	1.063
2	n-Propanol	1403	1.823
Totals:			

RF



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
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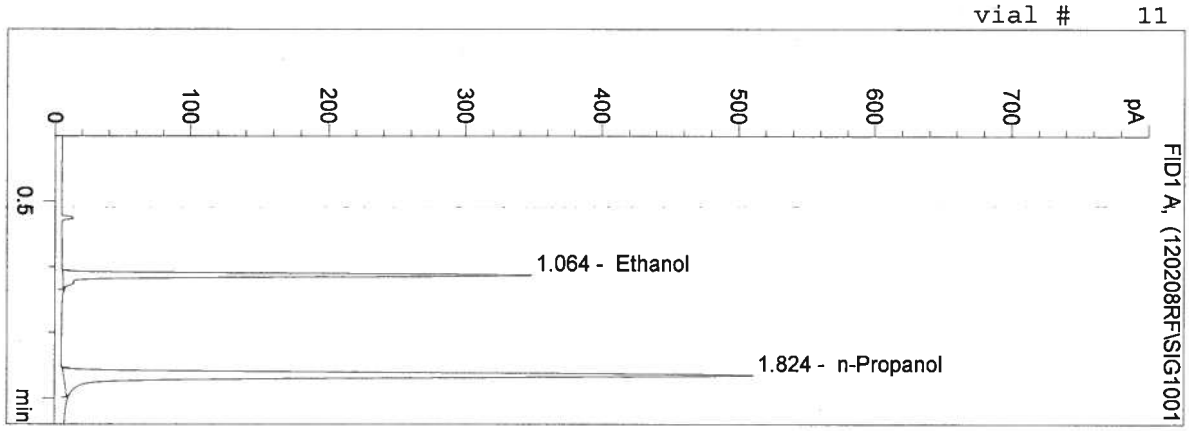
Instrument 3
DB-ALC2

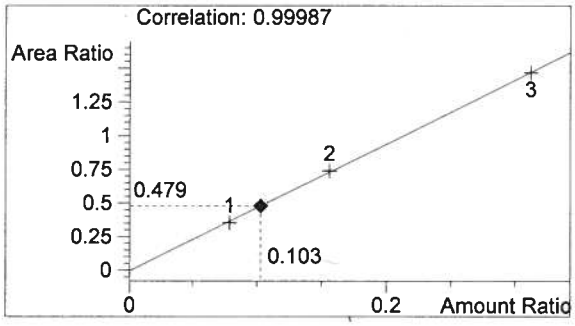
12007 #2
Rebecca Flaherty

vial # 11

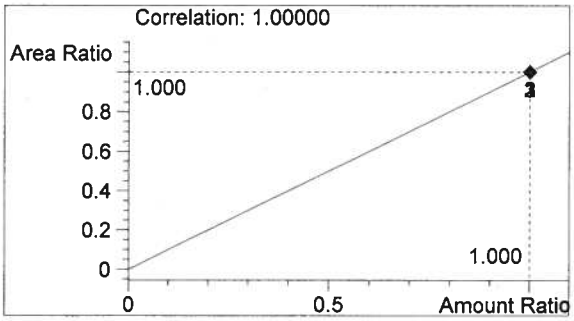


#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1402	1.824
Totals:			

RF



Ethanol 0.103 g/100ml



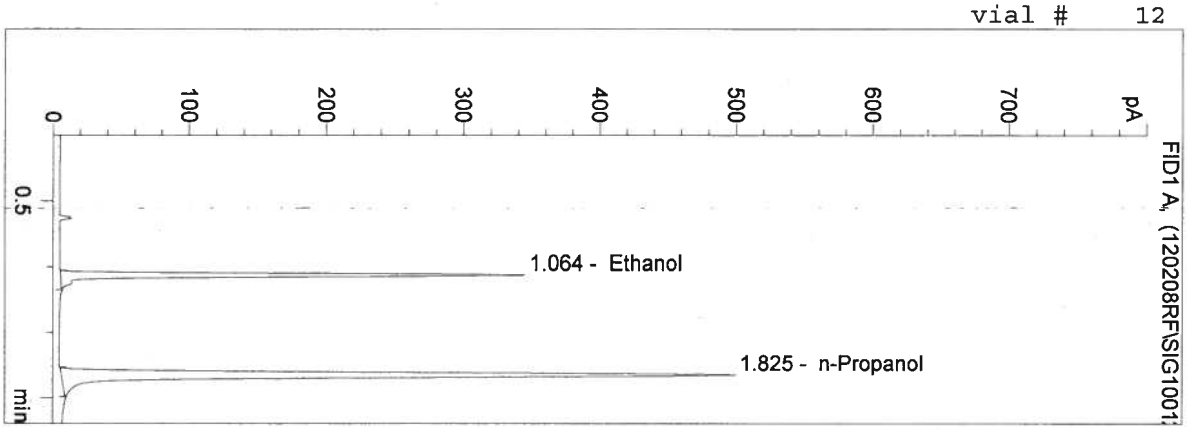
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 1:16:55 PM
Instrument 3
DB-ALC2

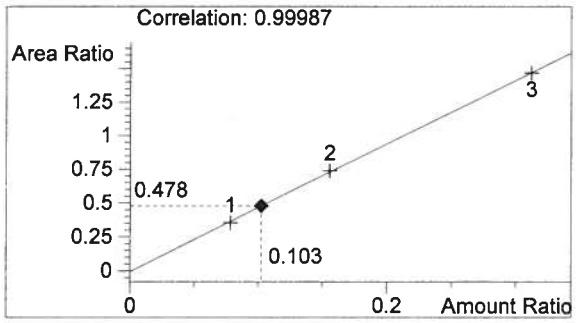
12007 #3
Rebecca Flaherty

vial # 12

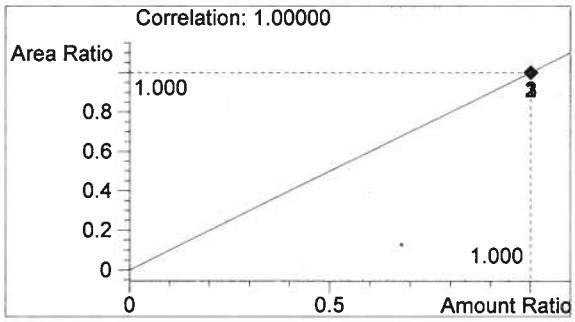


#	Compound	Area	RT
1	Ethanol	652	1.064
2	n-Propanol	1364	1.825
Totals:			

RF



Ethanol 0.103 g/100ml



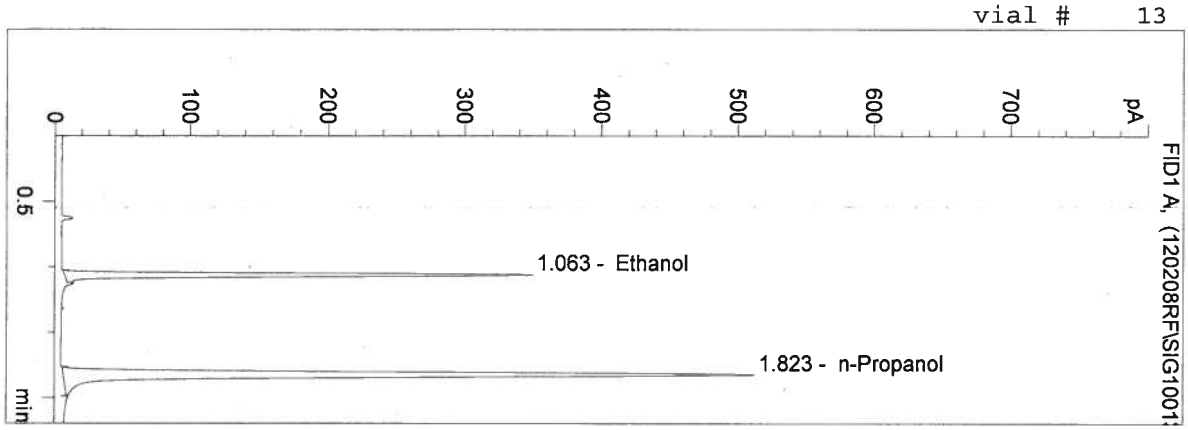
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 1:20:02 PM
Instrument 3
DB-ALC2

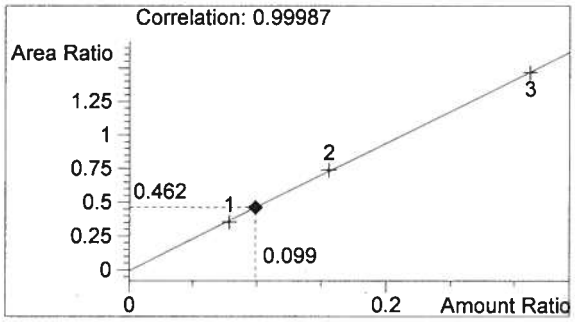
12007 #4
Rebecca Flaherty

vial # 13

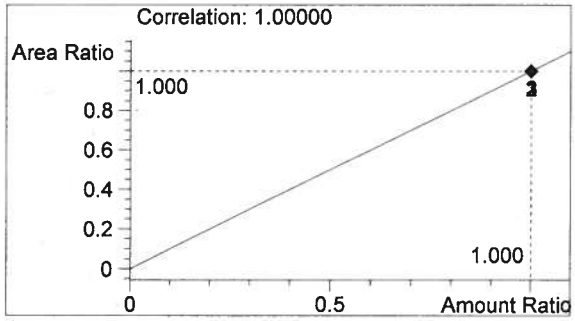


#	Compound	Area	RT
1	Ethanol	648	1.063
2	n-Propanol	1402	1.823
Totals:			

RF



Ethanol 0.099 g/100ml



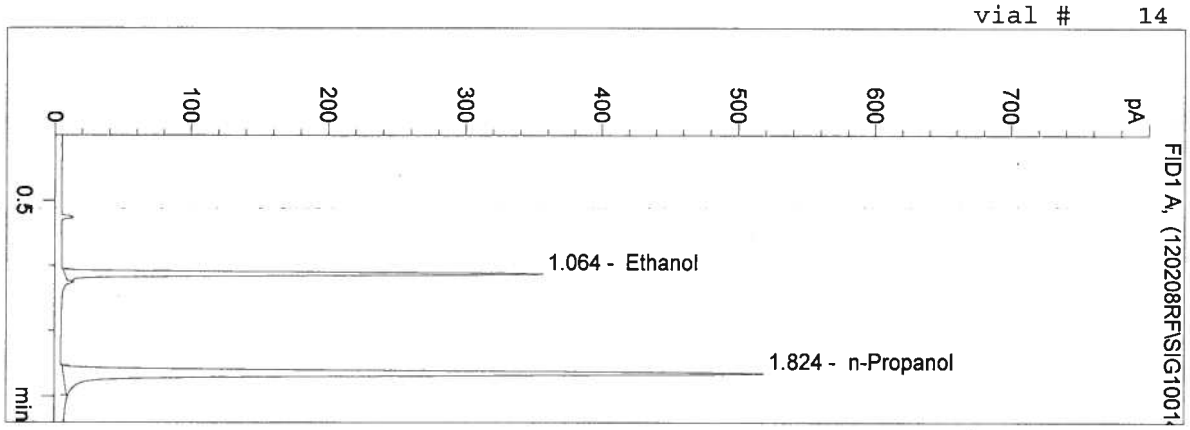
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 1:23:09 PM
Instrument 3
DB-ALC2

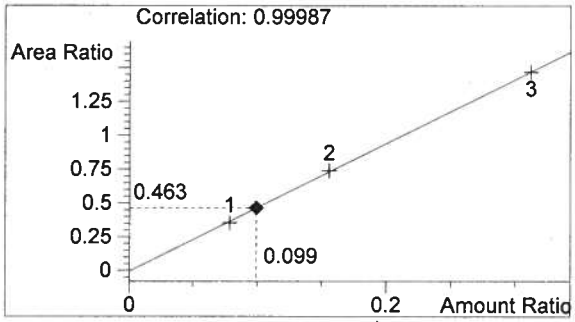
12007 #5
Rebecca Flaherty

vial # 14

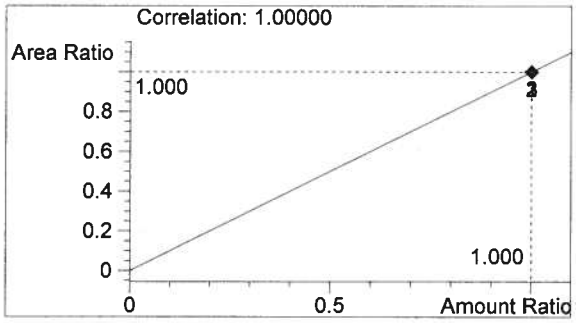


#	Compound	Area	RT
1	Ethanol	656	1.064
2	n-Propanol	1417	1.824
Totals:			

RF



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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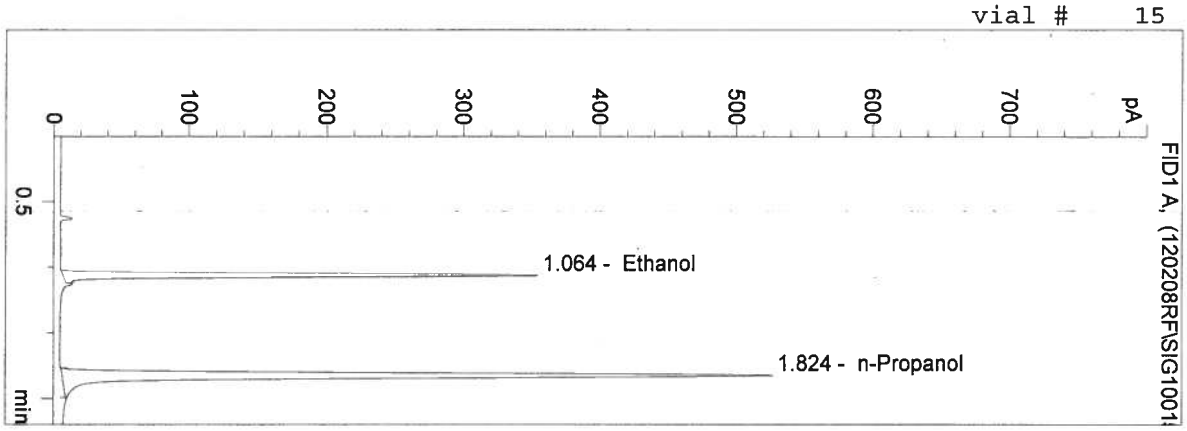
2/8/2012 1:26:16 PM
Instrument 3
DB-ALC2

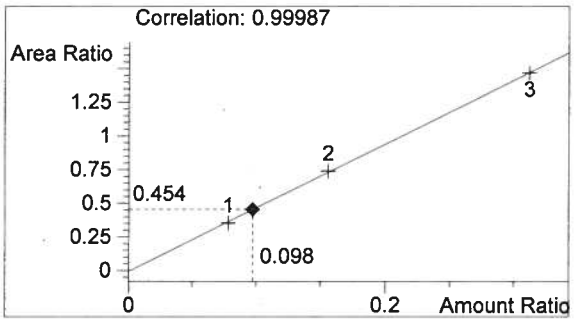
0.10 CONTROL-RF
Rebecca Flaherty

vial # 15

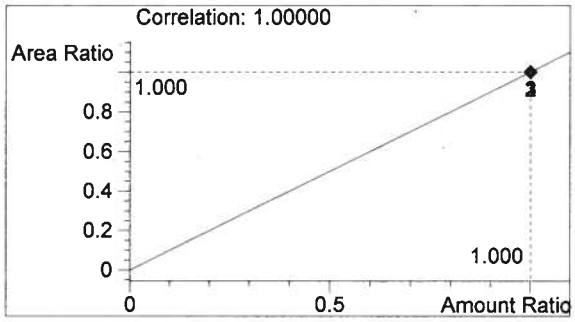


#	Compound	Area	RT
1	Ethanol	655	1.064
2	n-Propanol	1442	1.824
Totals:			

RF



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

12007

WASHINGTON STATE TOXICOLOGY LABORATORY

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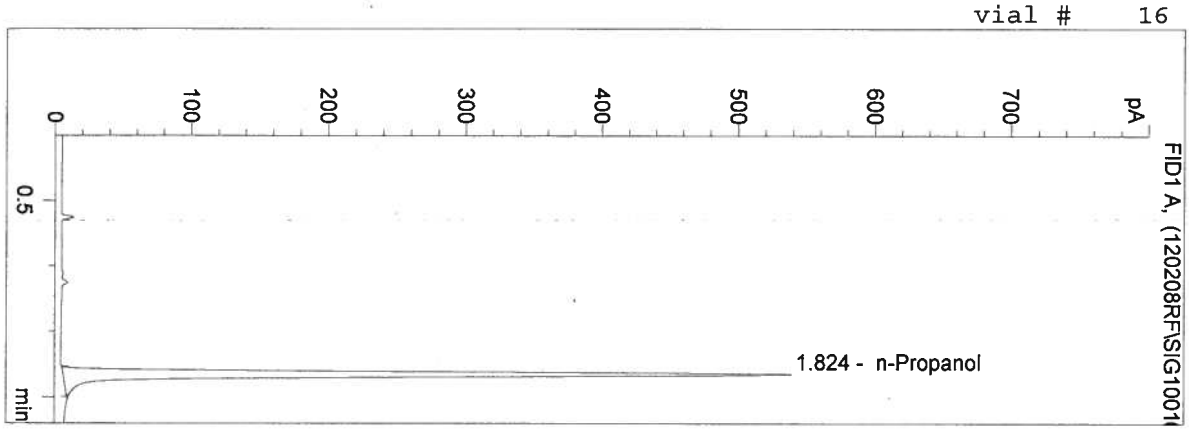
2/8/2012 1:29:24 PM
Instrument 3
DB-ALC2

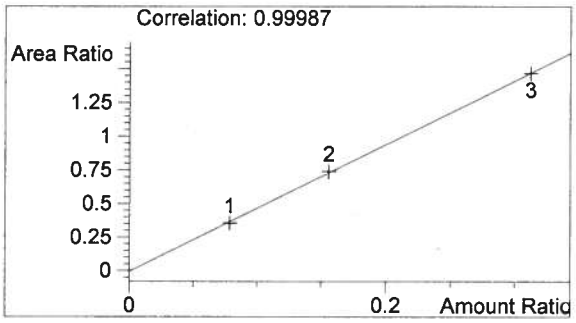
NEG CONTROL-RF
Rebecca Flaherty

vial # 16

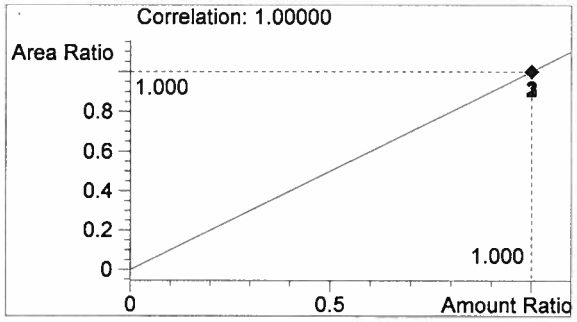


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1481	1.824
Totals:			

RF



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120208DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E1111-01 Exp 02/10/2012
Cal 2- Lot# E1111-02 Exp 02/10/2012
Cal 3- Lot# E1111-03 Exp 02/10/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E1111-01
3	Vial 3	Lot# E1111-02
4	Vial 4	Lot# E1111-03
5	Vial 5	
6	Vial 6	Lot# ~~A075264~~ DC 2-21-12 A077459
7	Vial 7	Lot#A075806
8	Vial 8	Lot#A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot#A075806

12007

DC

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

DC

Calibration Table

Calib. Data Modified : Wednesday, February 08, 2012 3:06:21 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.86300e-2	580.59503	1.35430e-4	1		Ethanol
		2	1.55890e-1	1185.06592	1.31545e-4			
		3	3.12180e-1	2294.33667	1.36065e-4			
1.825	1	1	1.00000	1576.46191	6.34332e-4	I1		n-Propanol
		2	1.00000	1606.35229	6.22528e-4			
		3	1.00000	1572.31519	6.36005e-4			

Peak Sum Table

No Entries in table

12007
DC

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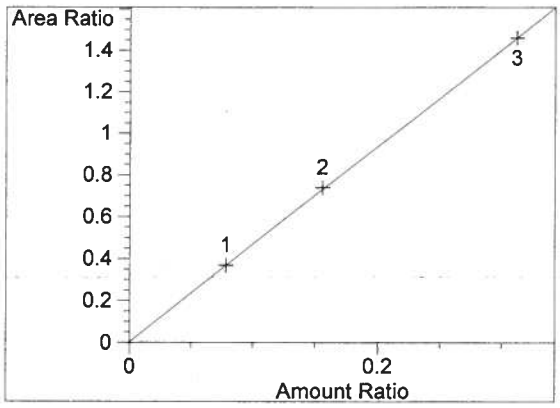
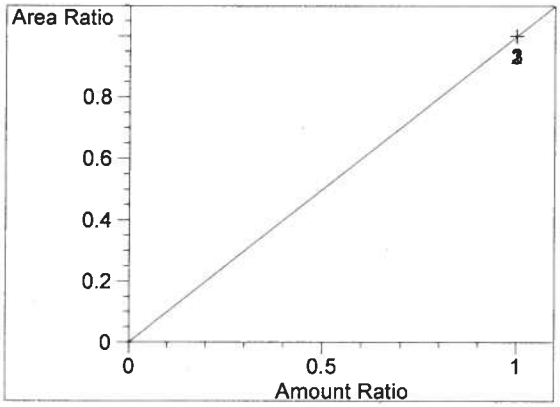
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00540
Formula: y = mx + b
m: 4.67671
b: 2.12001e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12007

DC

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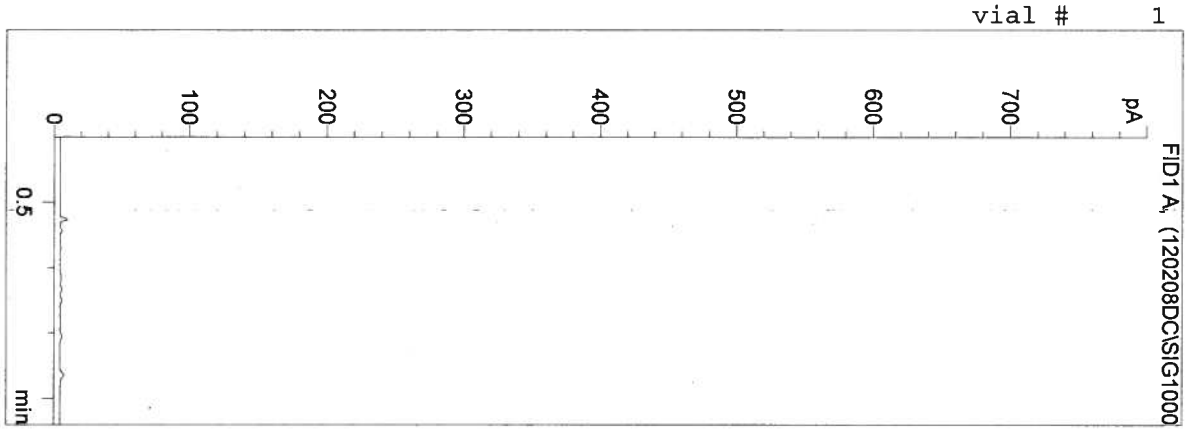
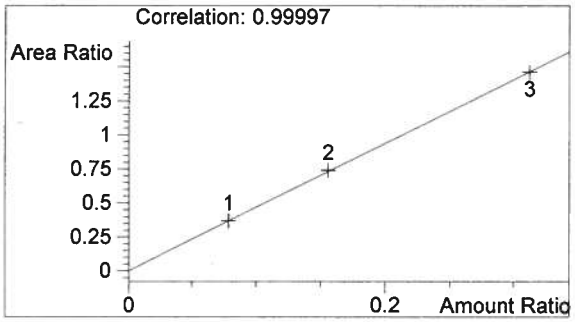
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 2:54:47 PM
Instrument 3
DB-ALC2

BLANK
Dawn Cox

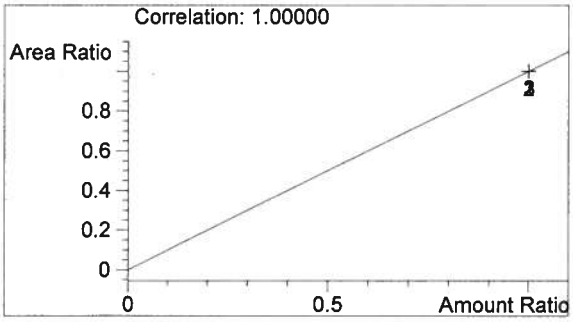
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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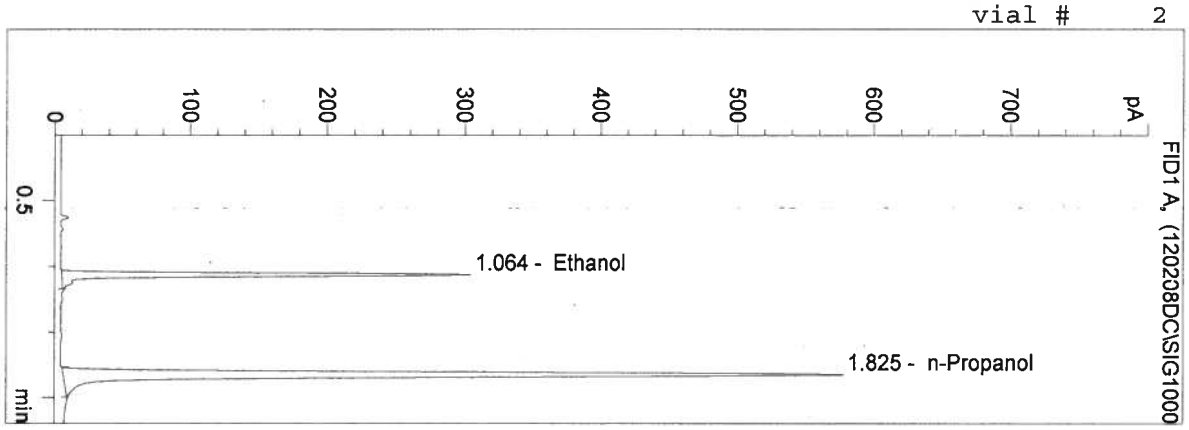
WASHINGTON STATE TOXICOLOGY LABORATORY

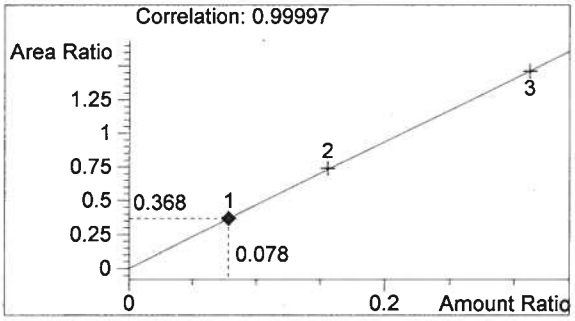
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 2:57:54 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Dawn Cox

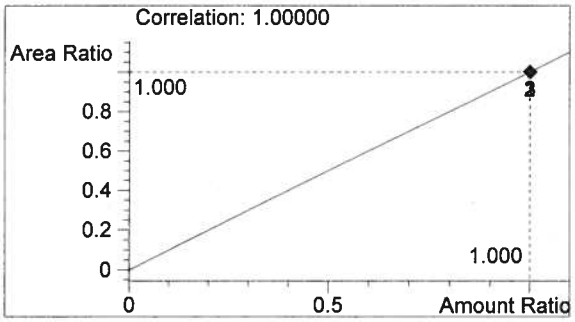
vial # 2



#	Compound	Area	RT
1	Ethanol	581	1.064
2	n-Propanol	1576	1.825
Totals:			



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

12007

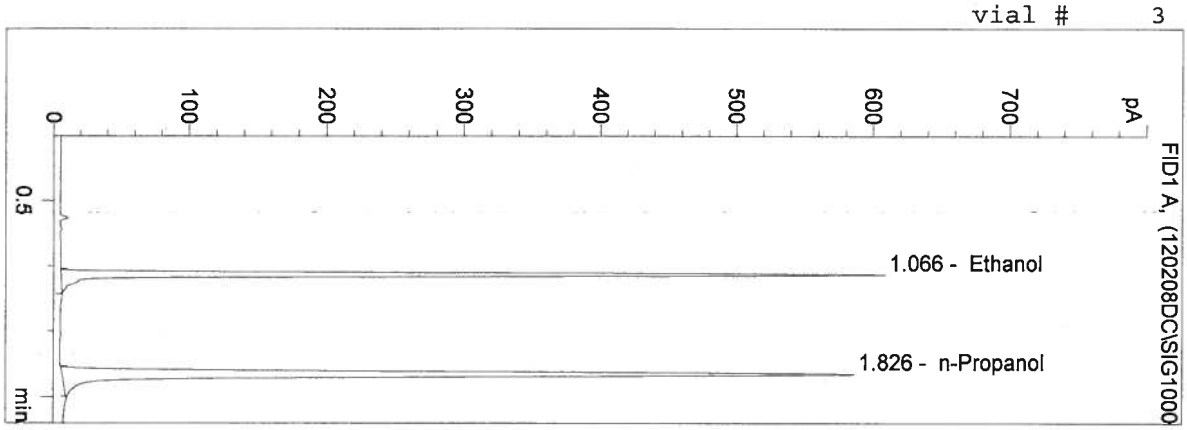
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:01:02 PM
Instrument 3
DB-ALC2

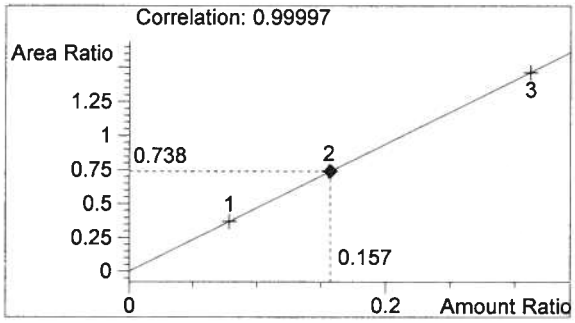
0.158 CAL 2
Dawn Cox

vial # 3

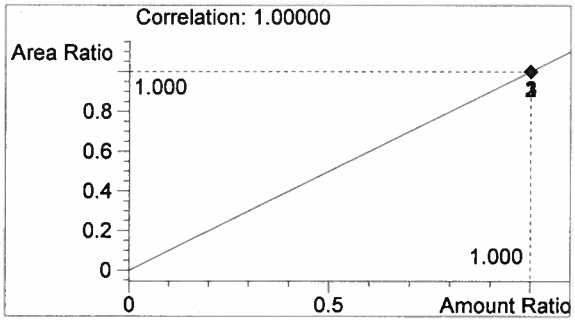


#	Compound	Area	RT
1	Ethanol	1185	1.066
2	n-Propanol	1606	1.826

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

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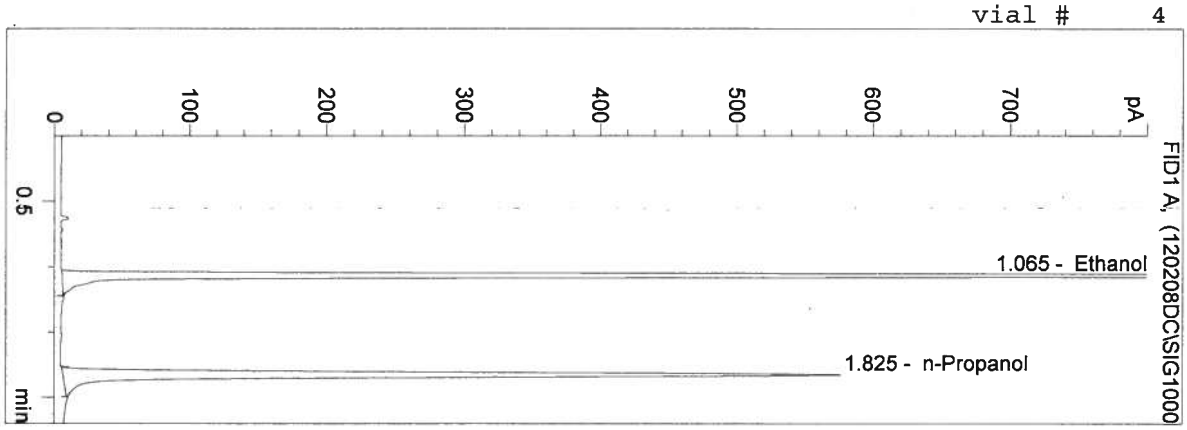
AC

WASHINGTON STATE TOXICOLOGY LABORATORY

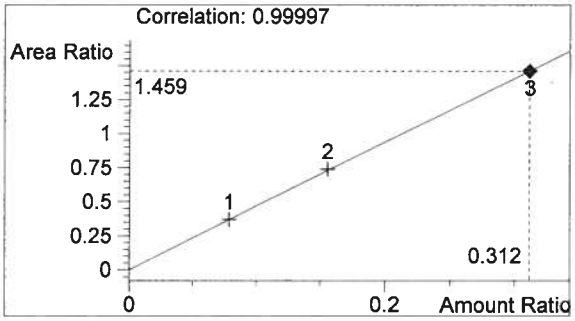
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:04:09 PM
Instrument 3
DB-ALC2

0.316 CAL 3
Dawn Cox

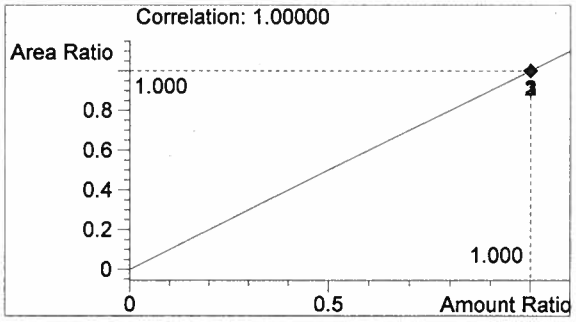
vial # 4



#	Compound	Area	RT
1	Ethanol	2294	1.065
2	n-Propanol	1572	1.825
Totals:			



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

12007

DC

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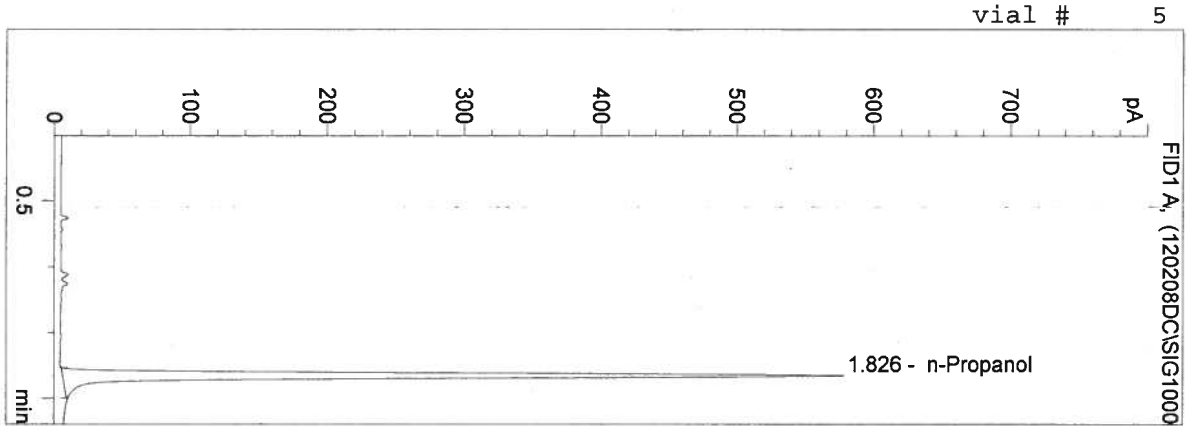
2/8/2012 3:07:16 PM
Instrument 3
DB-ALC2

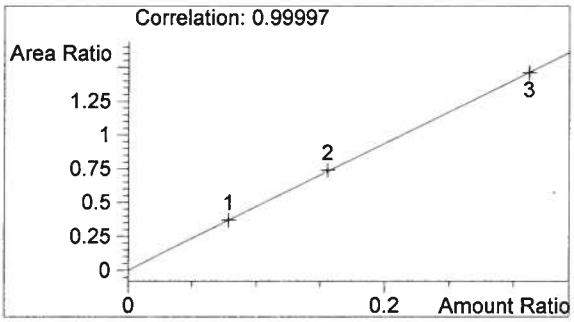
NEG CTRL-DC
Dawn Cox

vial # 5

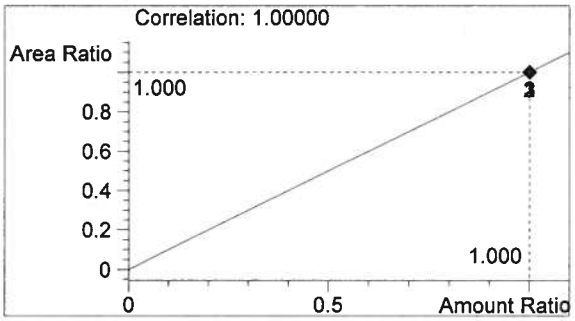


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1589	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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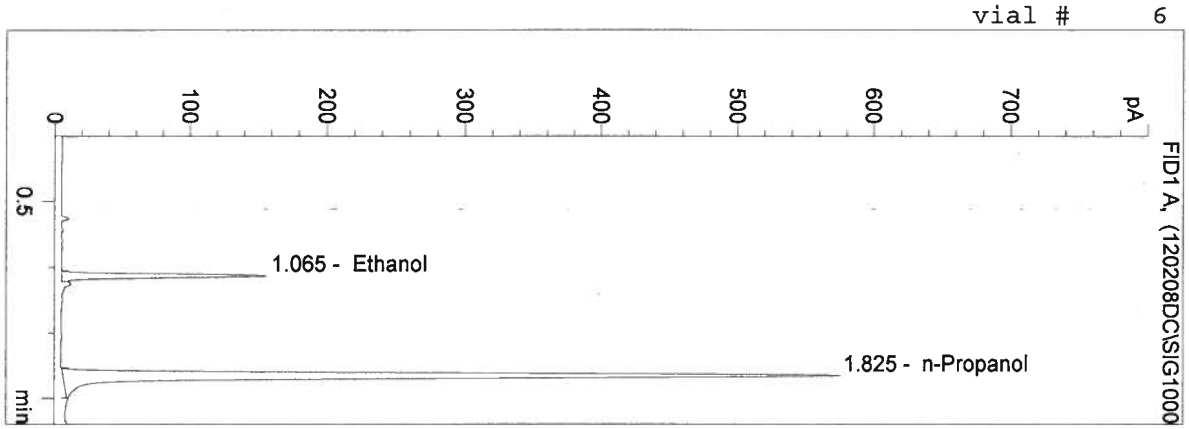
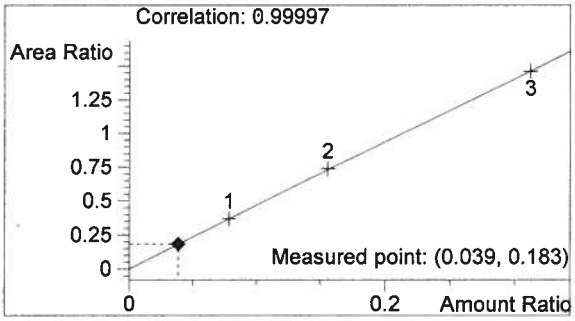
2/8/2012 3:10:23 PM
Instrument 3
DB-ALC2

0.04 CTRL-DC
Dawn Cox

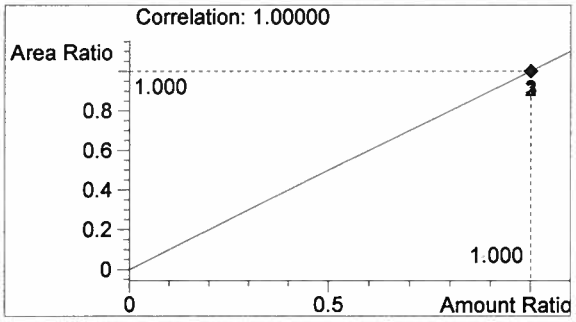
vial # 6



#	Compound	Area	RT
1	Ethanol	287	1.065
2	n-Propanol	1572	1.825
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12007

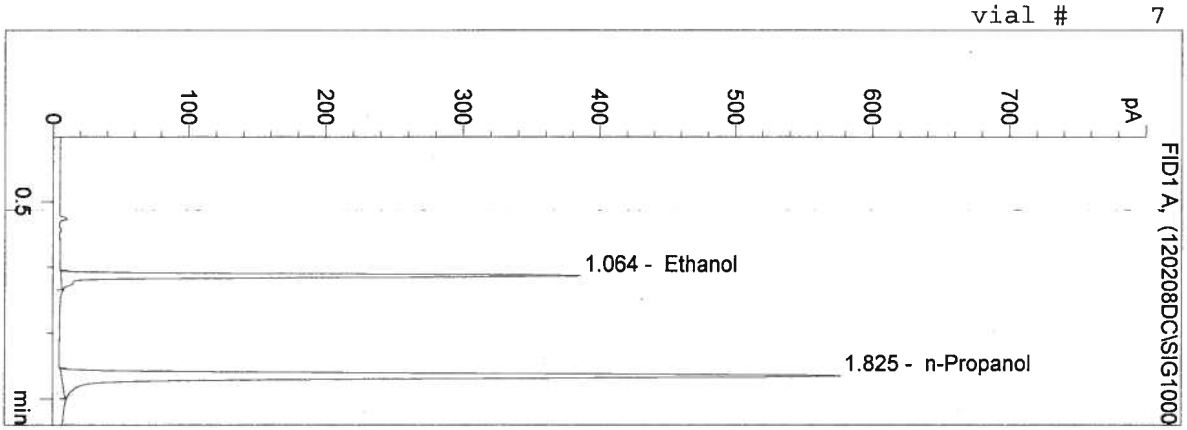
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

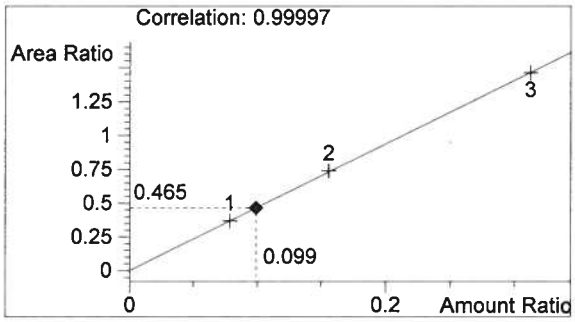
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:13:31 PM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

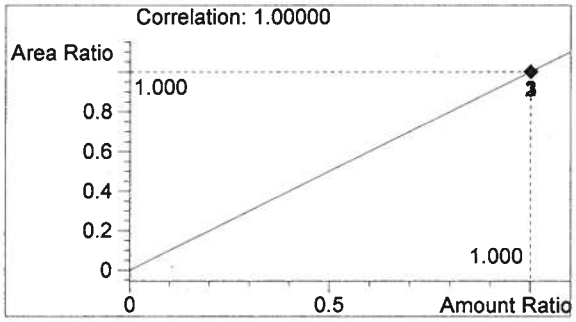
vial # 7



#	Compound	Area	RT
1	Ethanol	734	1.064
2	n-Propanol	1579	1.825
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

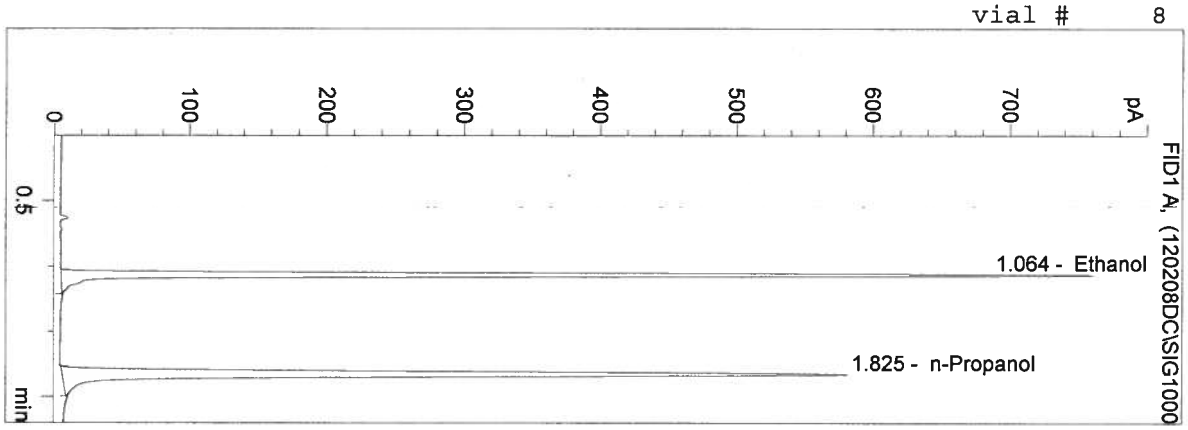
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:16:38 PM
Instrument 3
DB-ALC2

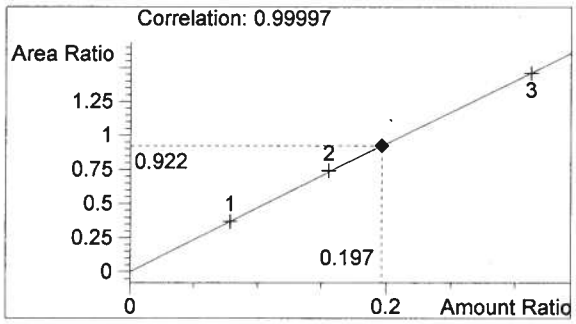
0.20 CTRL-DC
Dawn Cox

vial # 8

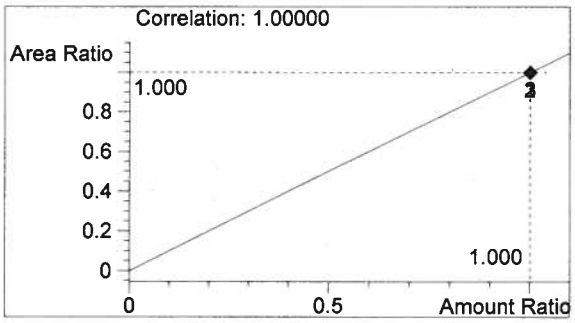


#	Compound	Area	RT
1	Ethanol	1464	1.064
2	n-Propanol	1588	1.825

Totals:



Ethanol 0.197 g/100ml



n-Propanol 1.000 g/100ml

12007

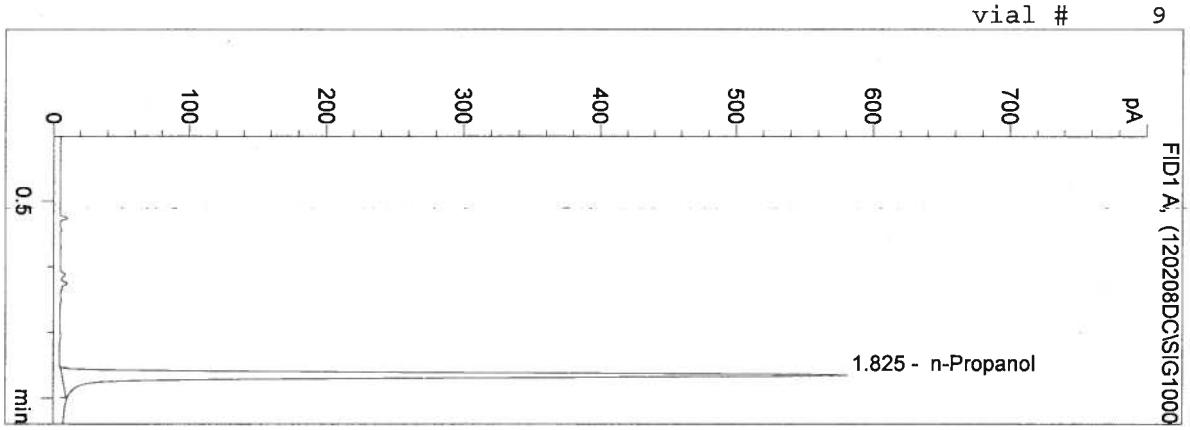
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

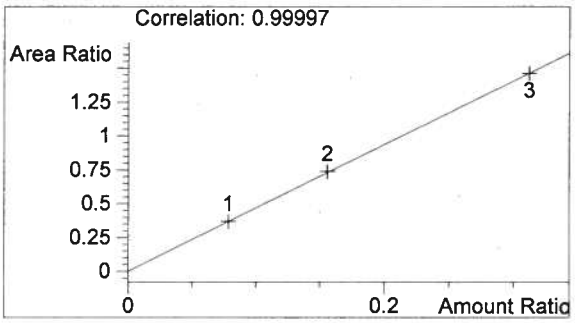
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:19:45 PM
Instrument 3
DB-ALC2

NEG CTRL-DC
Dawn Cox

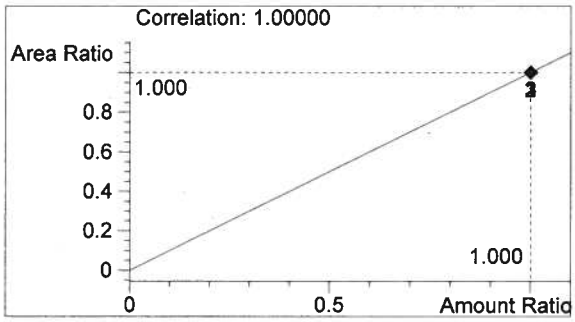
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1598	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

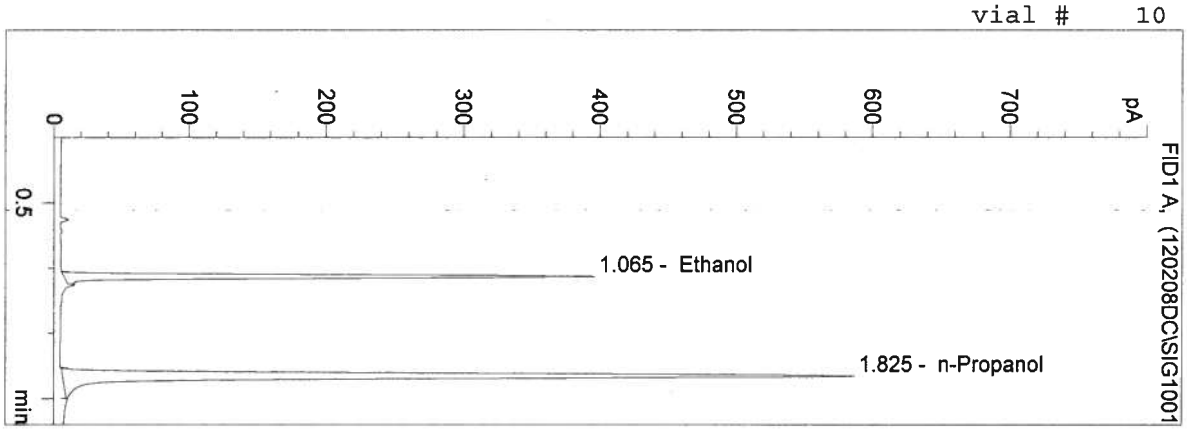
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:22:52 PM
Instrument 3
DB-ALC2

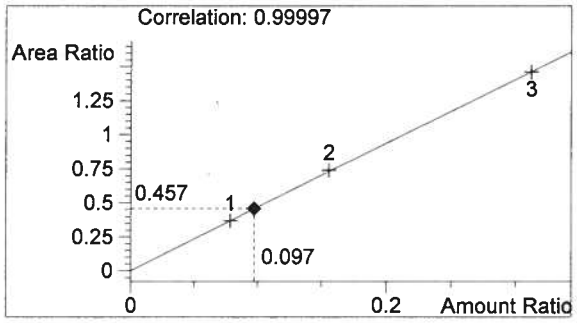
12007 #1
Dawn Cox

vial # 10

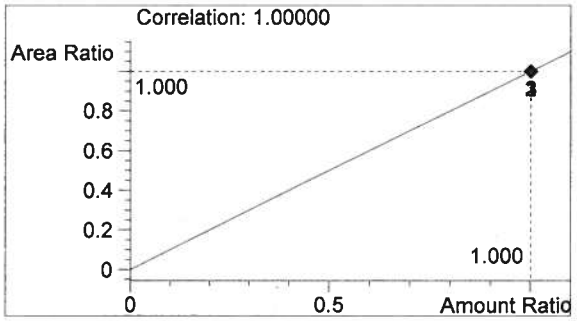


#	Compound	Area	RT
1	Ethanol	735	1.065
2	n-Propanol	1608	1.825

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

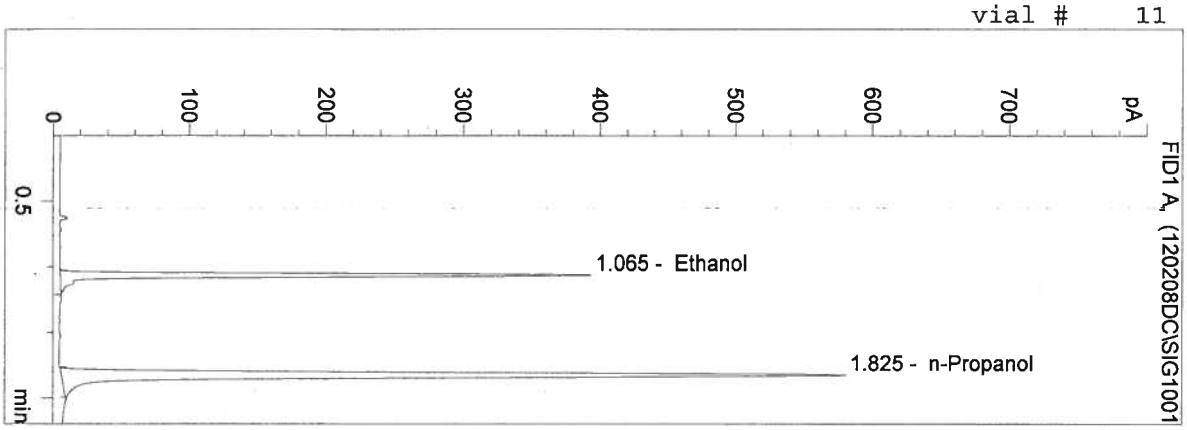
BC

WASHINGTON STATE TOXICOLOGY LABORATORY

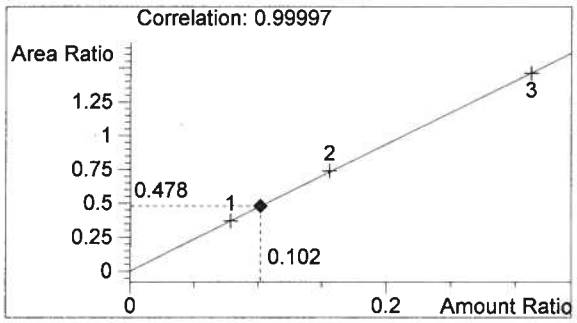
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:26:00 PM
Instrument 3
DB-ALC2

12007 #2
Dawn Cox

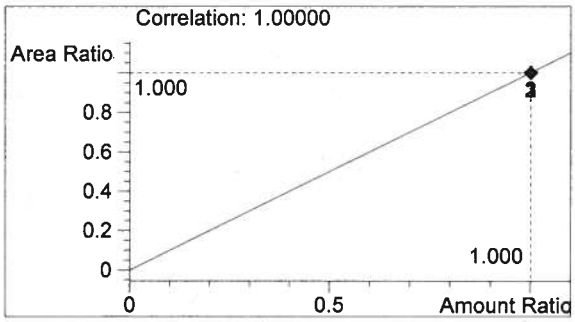
vial # 11



#	Compound	Area	RT
1	Ethanol	760	1.065
2	n-Propanol	1587	1.825
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

DC

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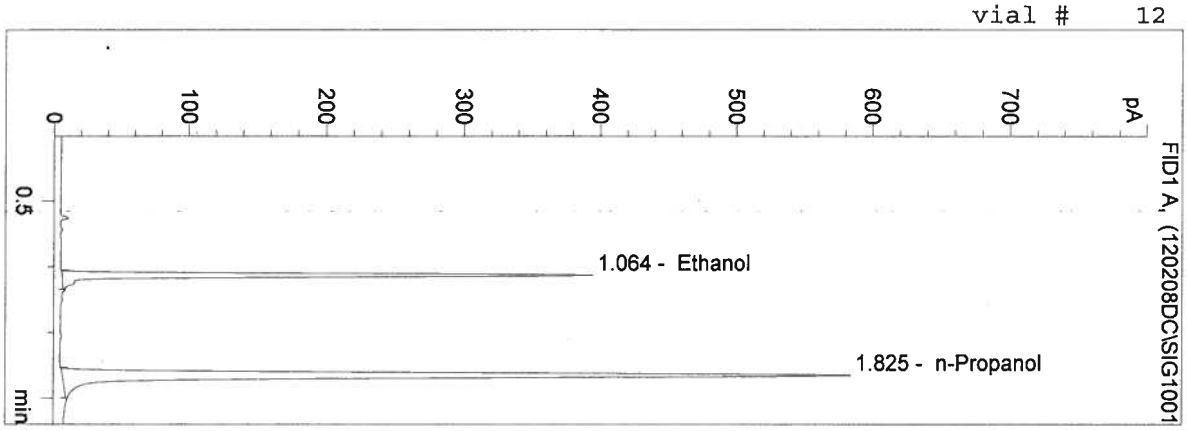
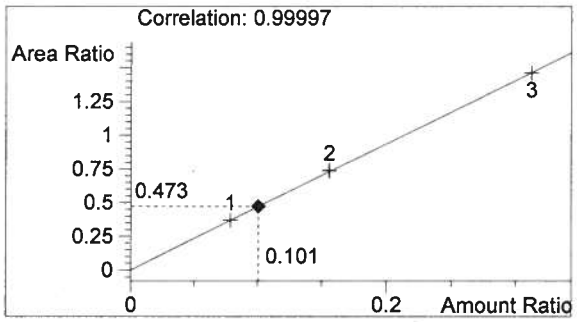
2/8/2012 3:29:07 PM
Instrument 3
DB-ALC2

12007 #3
Dawn Cox

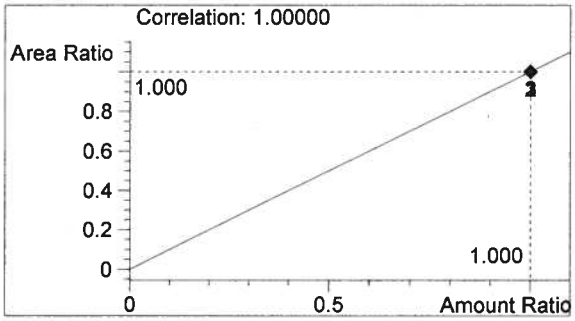
vial # 12



#	Compound	Area	RT
1	Ethanol	756	1.064
2	n-Propanol	1600	1.825
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

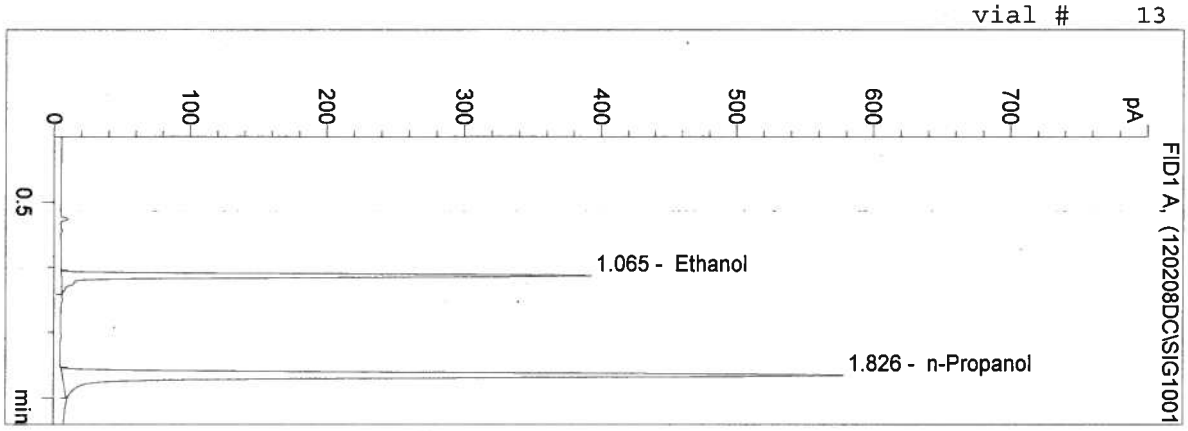
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

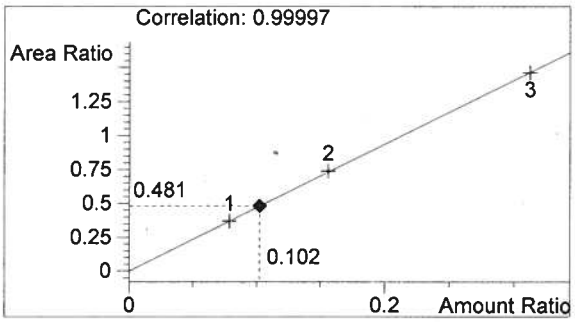
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:32:14 PM
Instrument 3
DB-ALC2

12007 #4
Dawn Cox

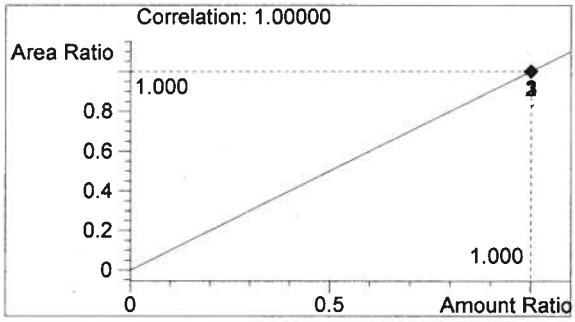
vial # 13



#	Compound	Area	RT
1	Ethanol	764	1.065
2	n-Propanol	1587	1.826
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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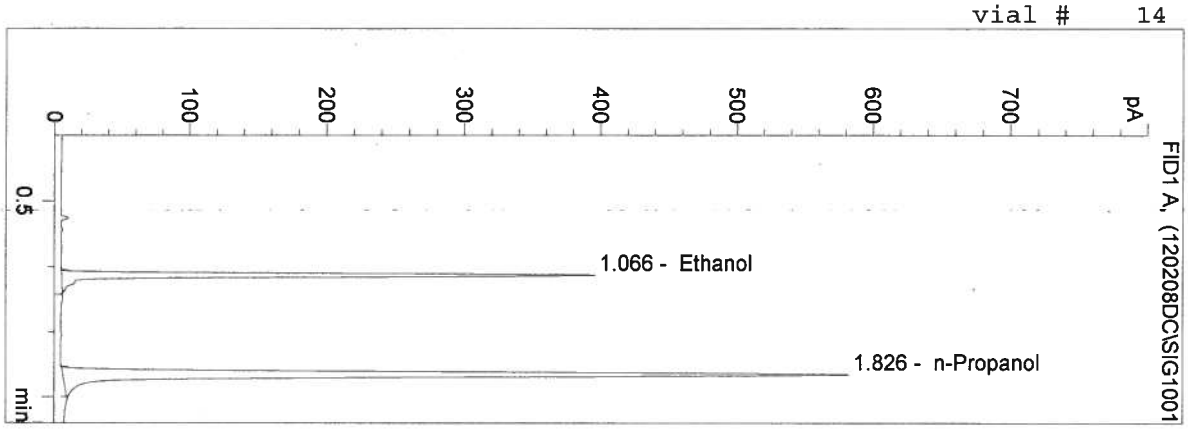
2/8/2012 3:35:22 PM
Instrument 3
DB-ALC2

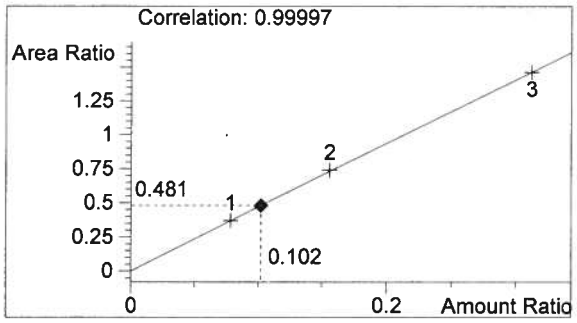
12007 #5
Dawn Cox

vial # 14

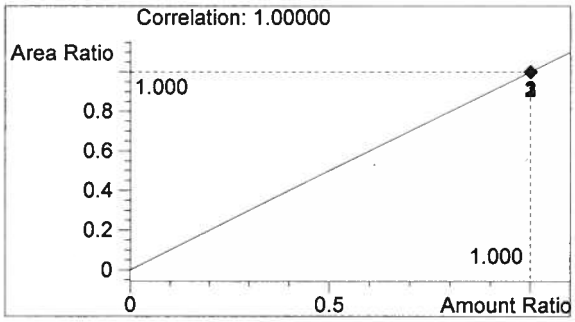


#	Compound	Area	RT
1	Ethanol	767	1.066
2	n-Propanol	1595	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

DC

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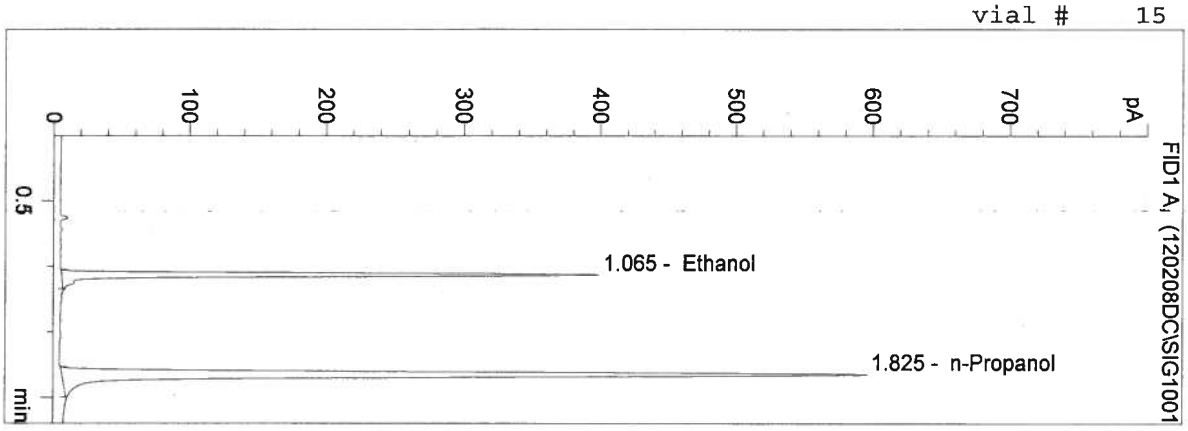
C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:38:29 PM
Instrument 3
DB-ALC2

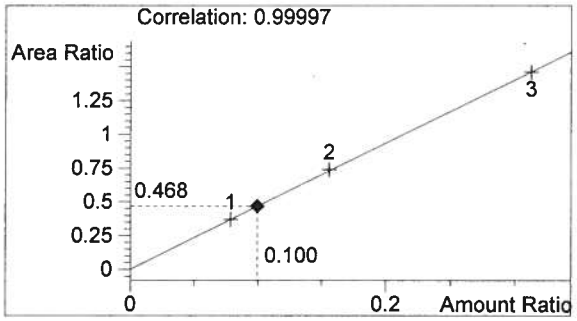
0.10 CTRL-DC
Dawn Cox

vial # 15

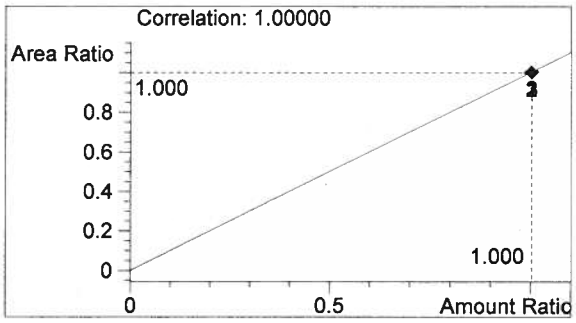


#	Compound	Area	RT
1	Ethanol	764	1.065
2	n-Propanol	1633	1.825

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

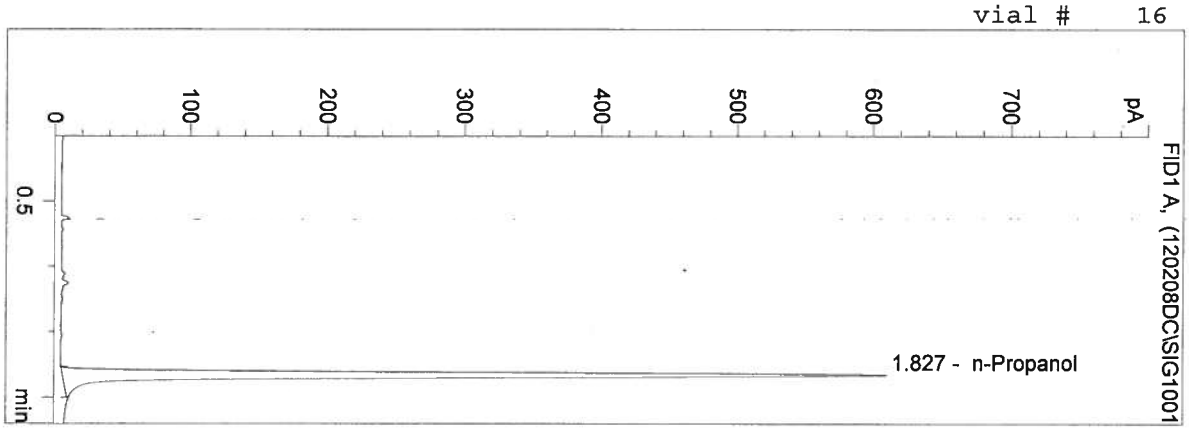
12007
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/8/2012 3:41:36 PM
Instrument 3
DB-ALC2

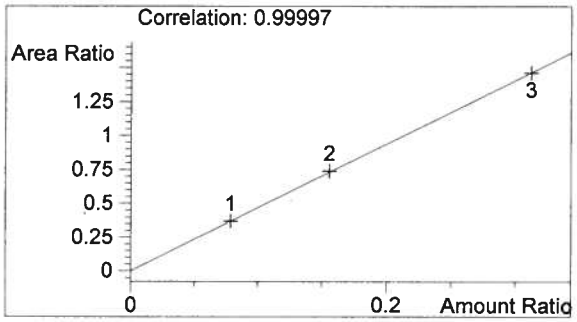
NEG CTRL-DC
Dawn Cox

vial # 16

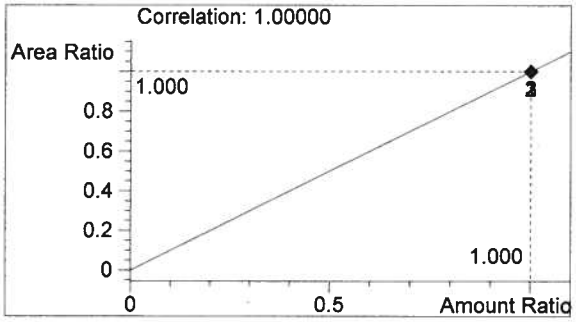


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1675	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

DC

Sequence Parameters:

Operator:	Sarah Swenson
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120210SS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/~~2012~~ 2015 SMS 2/10/12
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 Calibrator - Lot # E0112-01 - exp 4/29/12
3	Vial 3	0.158 Calibrator - Lot # E0112-02 - exp 4/29/12
4	Vial 4	0.316 Calibrator - Lot # E0112-03 - exp 4/29/12
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12007
SMS

Sequence: C:\HPCHEM\2\SEQUENCE\SSEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-SS	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-SS	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-SS	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-SS	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-SS	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-SS	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-SS	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-SS	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

SWS

Calibration Table

Calib. Data Modified : Friday, February 10, 2012 10:55:11 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	512.87866	1.54072e-4	1		Ethanol
		2	1.58720e-1	1026.88794	1.54564e-4			
		3	3.17800e-1	2035.42493	1.56134e-4			
1.825	1	1	1.00000	1275.40234	7.84066e-4	I1		n-Propanol
		2	1.00000	1269.25647	7.87863e-4			
		3	1.00000	1253.91882	7.97500e-4			

Peak Sum Table

No Entries in table

12007

SMS

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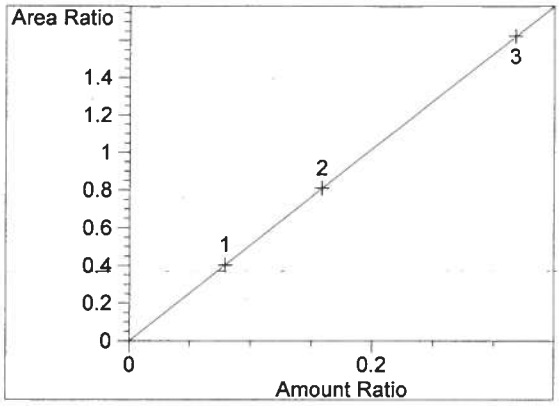
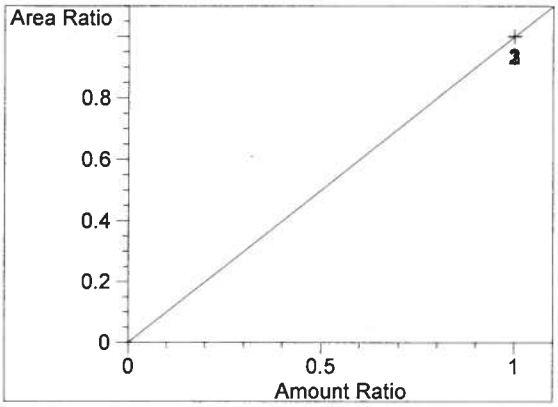
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00110
Formula: y = mx + b
m: 5.10879
b: -9.26940e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12007

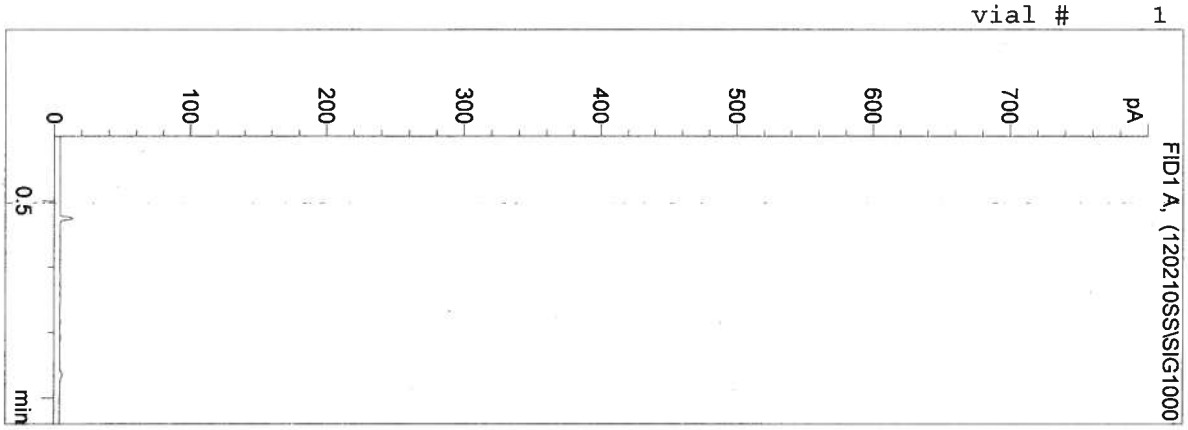
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:43:37 AM
Instrument 3
DB-ALC2

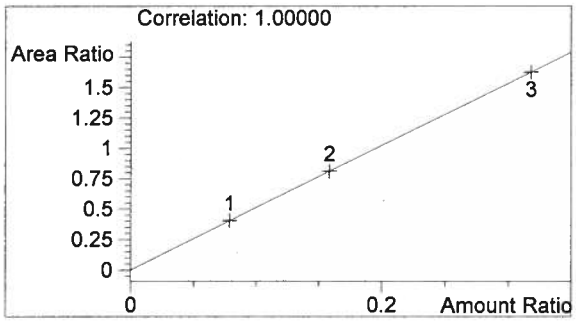
BLANK-SS
Sarah Swenson

vial # 1

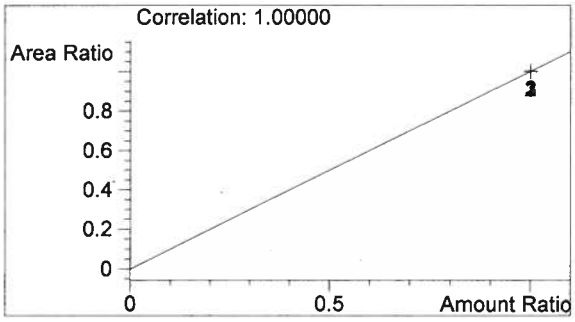


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12007

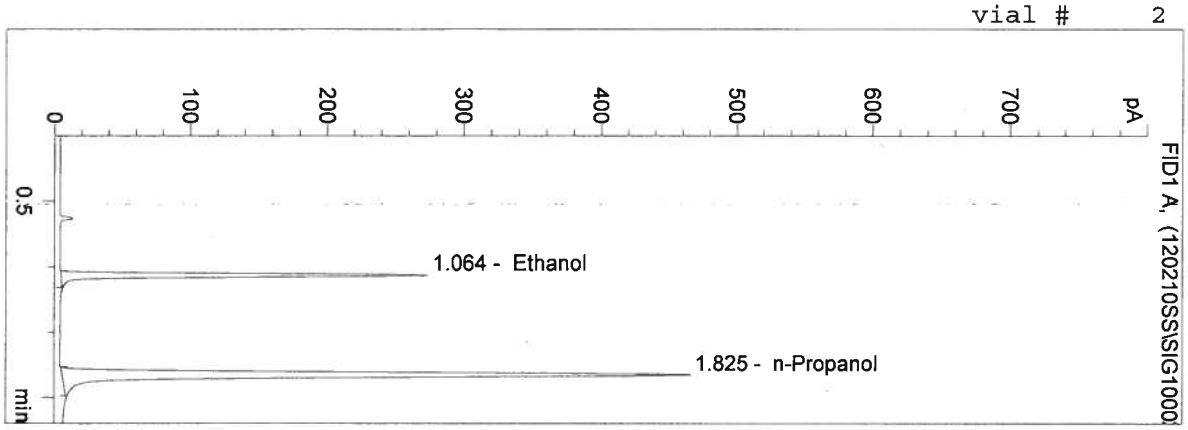
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:46:44 AM
Instrument 3
DB-ALC2

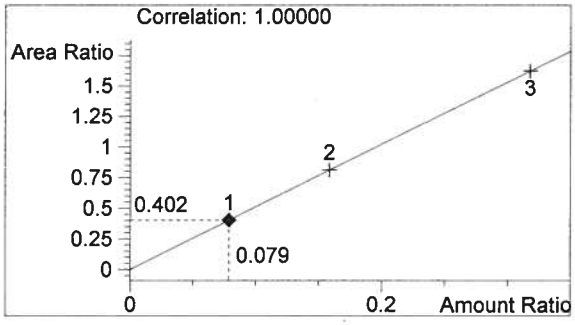
0.079 CAL 1
Sarah Swenson

vial # 2

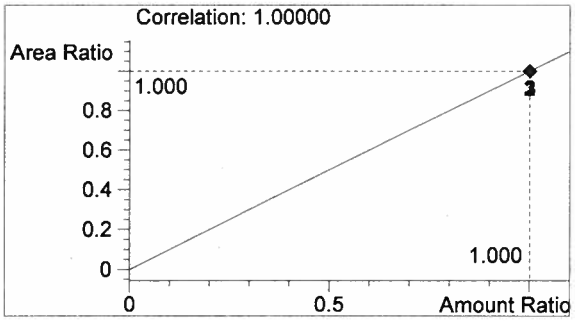


#	Compound	Area	RT
1	Ethanol	513	1.064
2	n-Propanol	1275	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12007

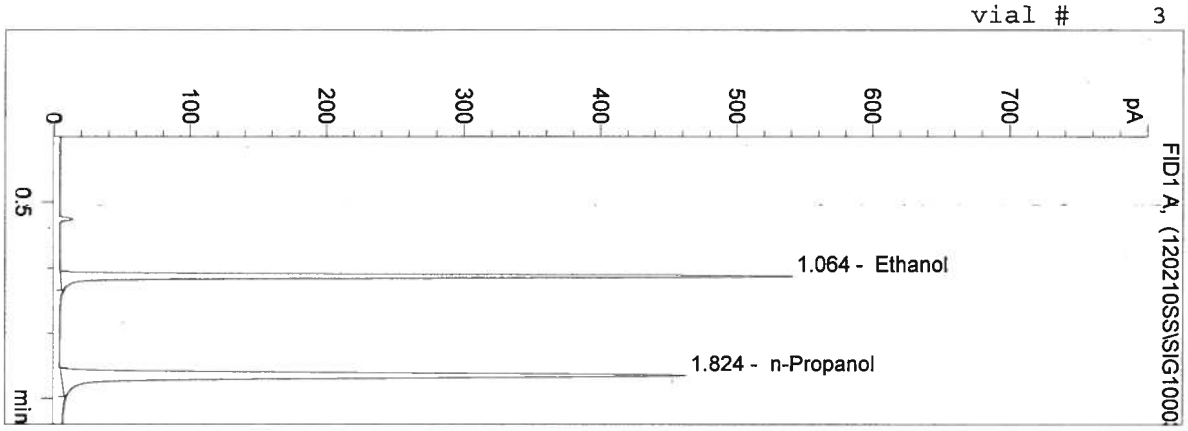
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:49:51 AM
Instrument 3
DB-ALC2

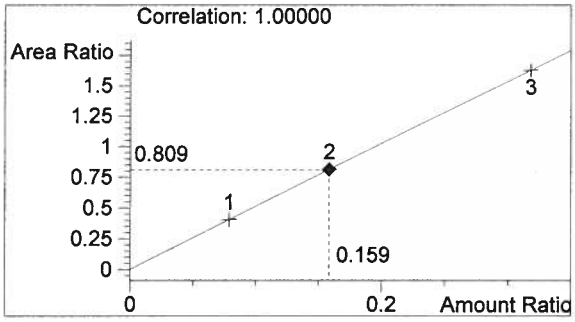
0.158 CAL 2
Sarah Swenson

vial # 3

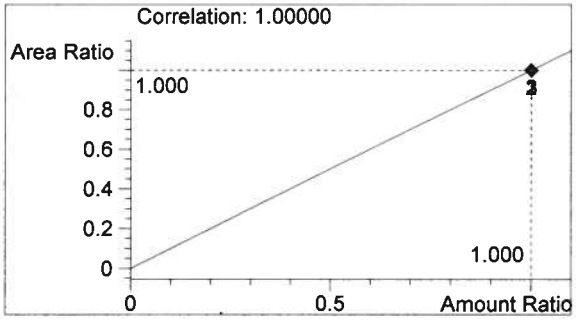


#	Compound	Area	RT
1	Ethanol	1027	1.064
2	n-Propanol	1269	1.824

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12007

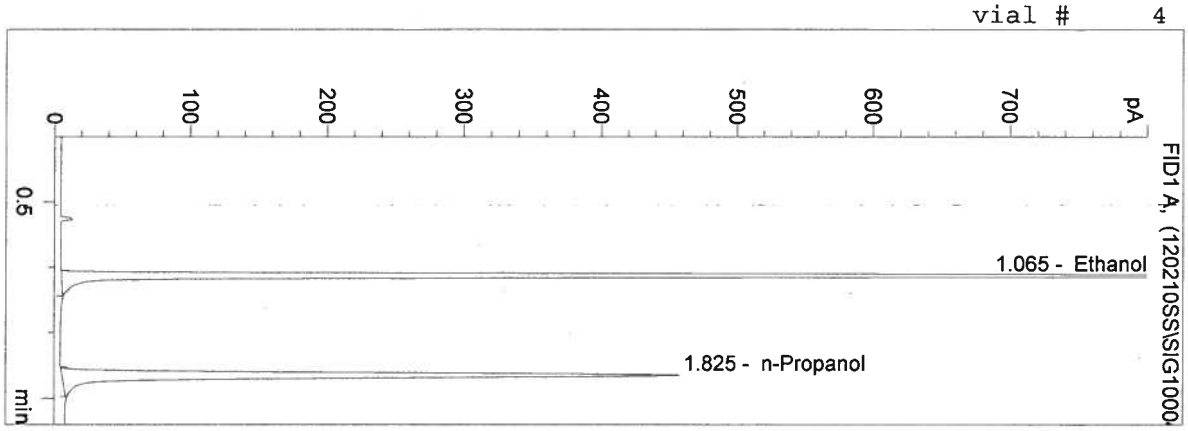
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:52:59 AM
Instrument 3
DB-ALC2

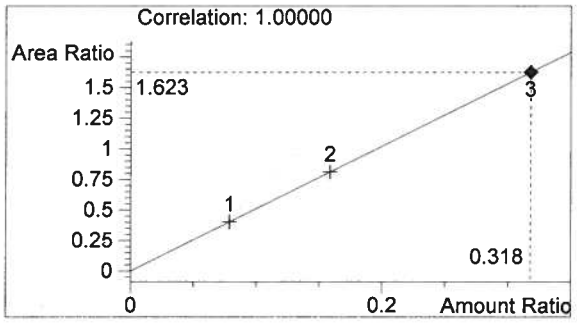
0.316 CAL 3
Sarah Swenson

vial # 4

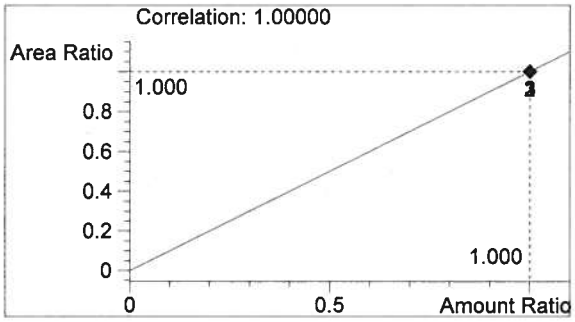


#	Compound	Area	RT
1	Ethanol	2035	1.065
2	n-Propanol	1254	1.825

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

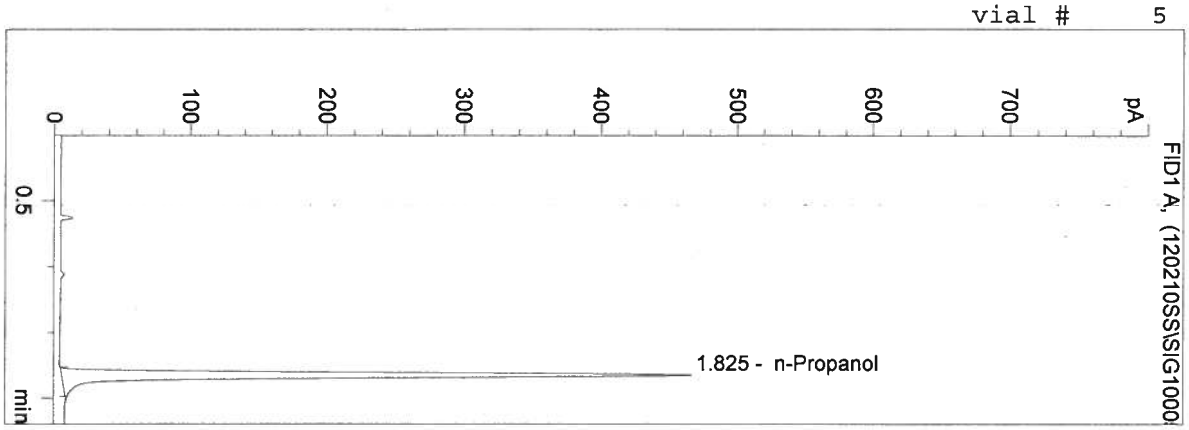
12007
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:56:06 AM
Instrument 3
DB-ALC2

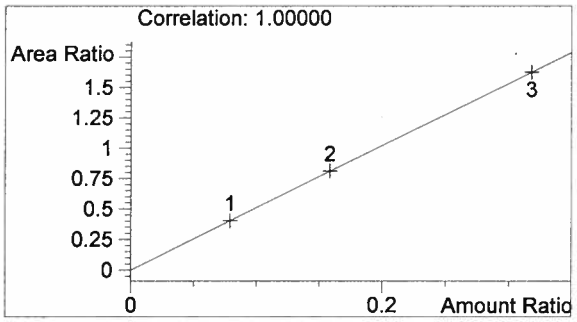
NEG CTRL-SS
Sarah Swenson

vial # 5

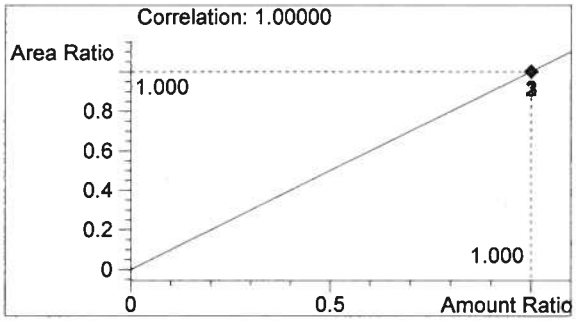


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1280	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

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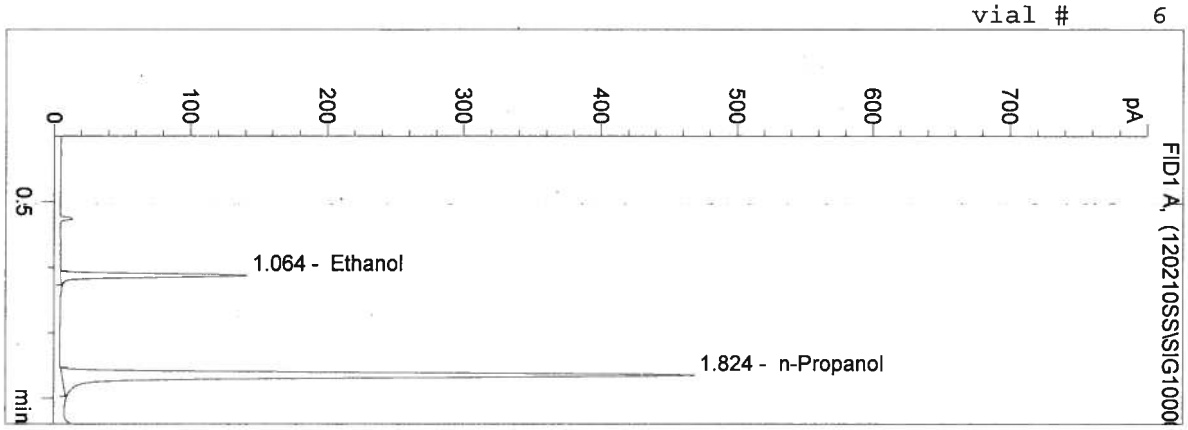
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:59:13 AM
Instrument 3
DB-ALC2

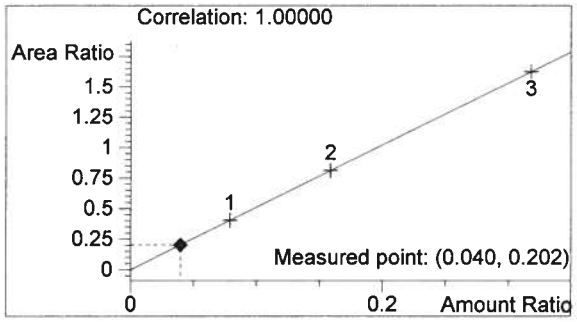
0.04 CTRL-SS
Sarah Swenson

vial # 6

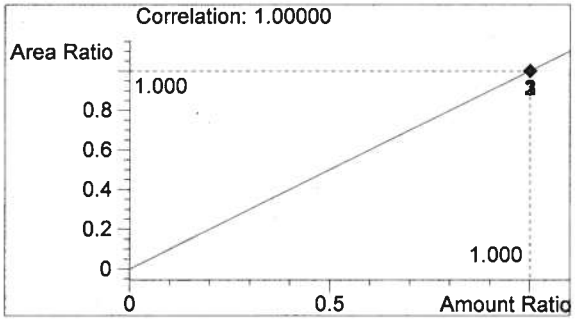


#	Compound	Area	RT
1	Ethanol	261	1.064
2	n-Propanol	1288	1.824

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12007

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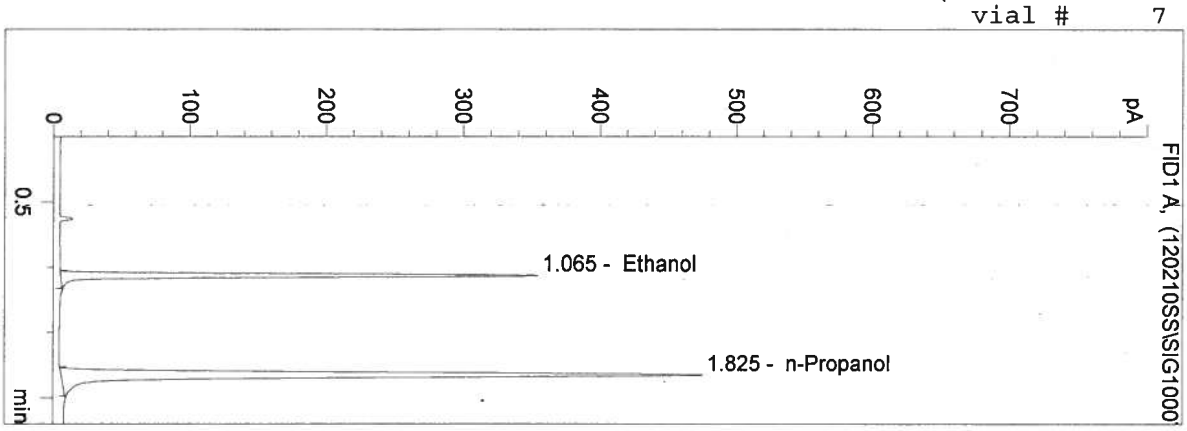
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:02:20 AM
Instrument 3
DB-ALC2

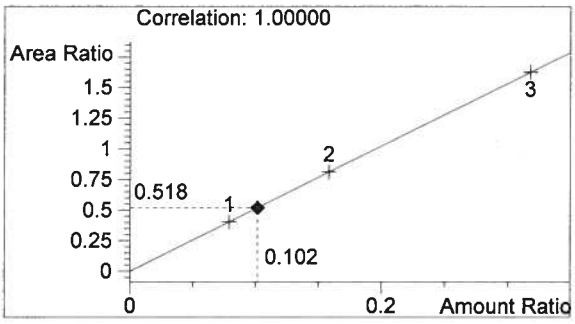
0.10 CTRL-SS
Sarah Swenson

vial # 7

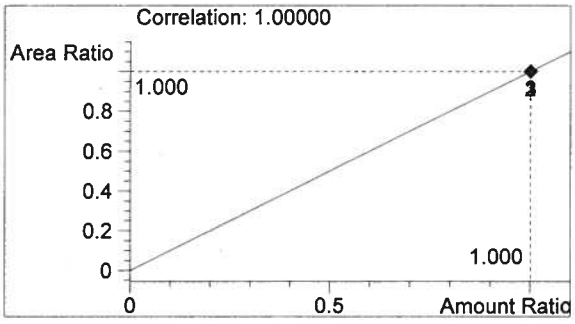


#	Compound	Area	RT
1	Ethanol	676	1.065
2	n-Propanol	1306	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12007

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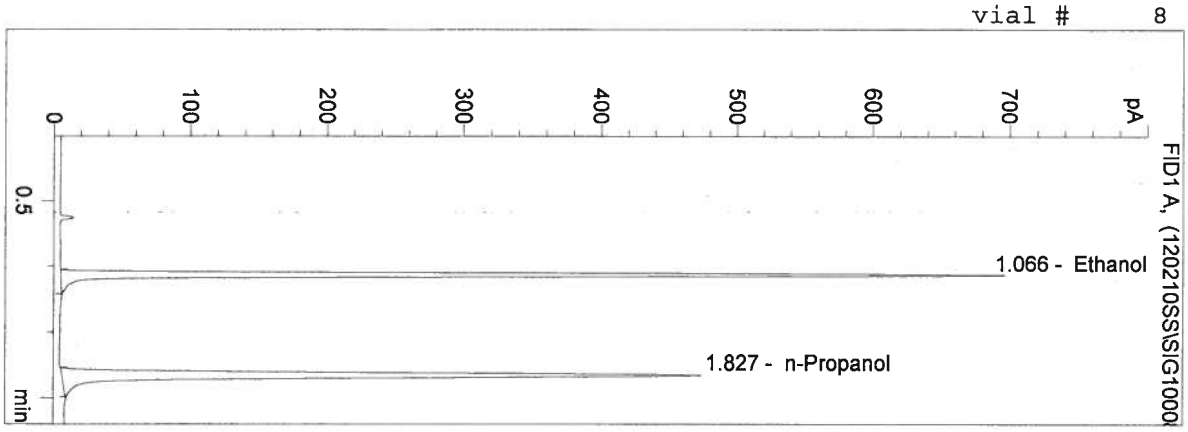
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:05:28 AM
Instrument 3
DB-ALC2

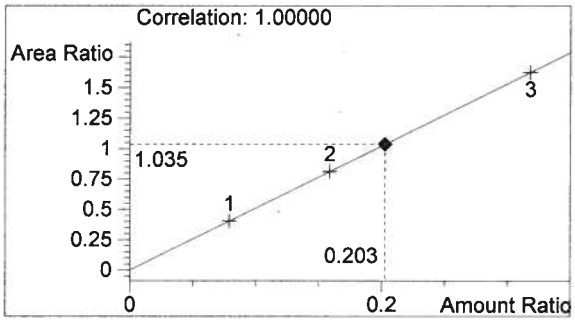
0.20 CTRL-SS
Sarah Swenson

vial # 8

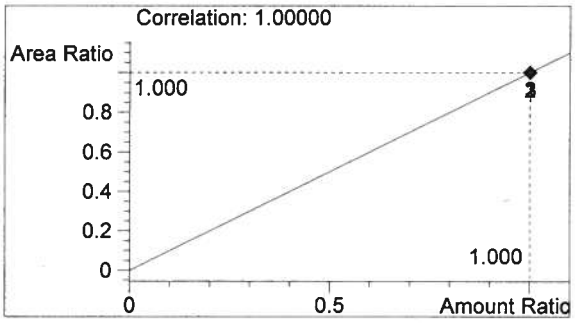


#	Compound	Area	RT
1	Ethanol	1344	1.066
2	n-Propanol	1299	1.827

Totals:



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

12007

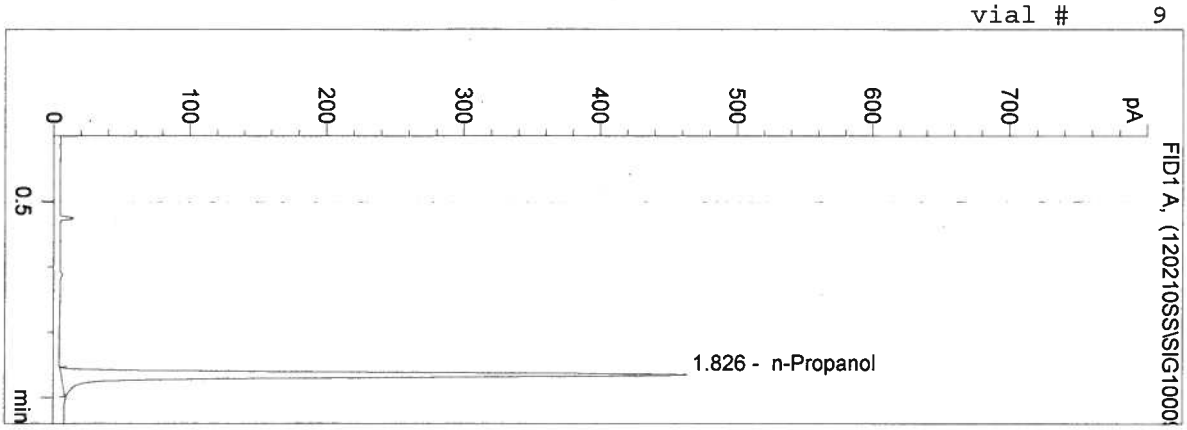
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:08:35 AM
Instrument 3
DB-ALC2

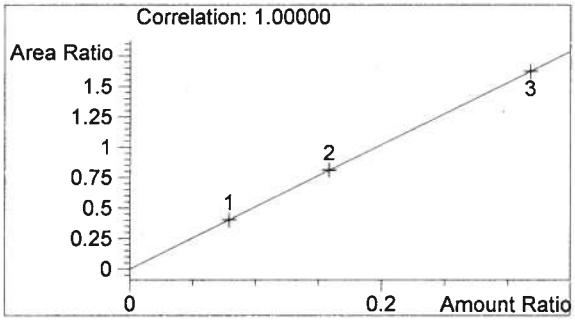
NEG CTRL-SS
Sarah Swenson

vial # 9

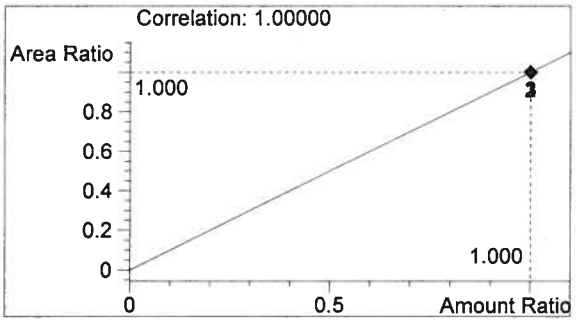


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1277	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

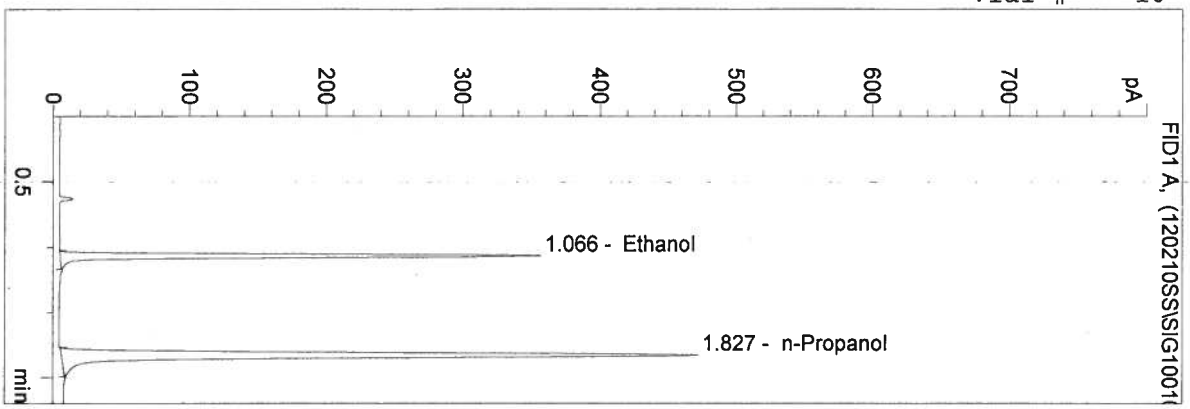
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:11:42 AM
Instrument 3
DB-ALC2

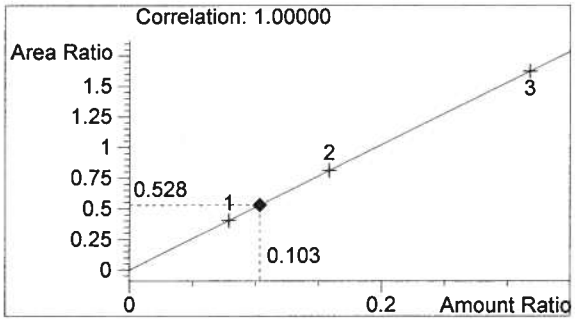
12007 #1
Sarah Swenson

vial # 10

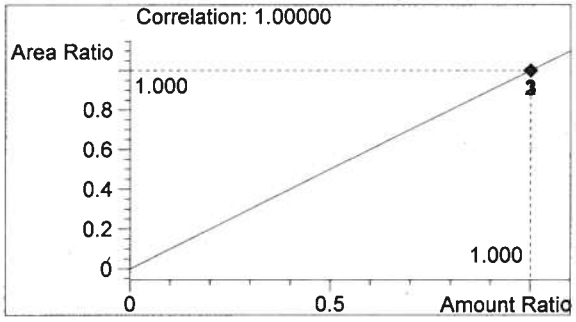


#	Compound	Area	RT
1	Ethanol	684	1.066
2	n-Propanol	1297	1.827

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

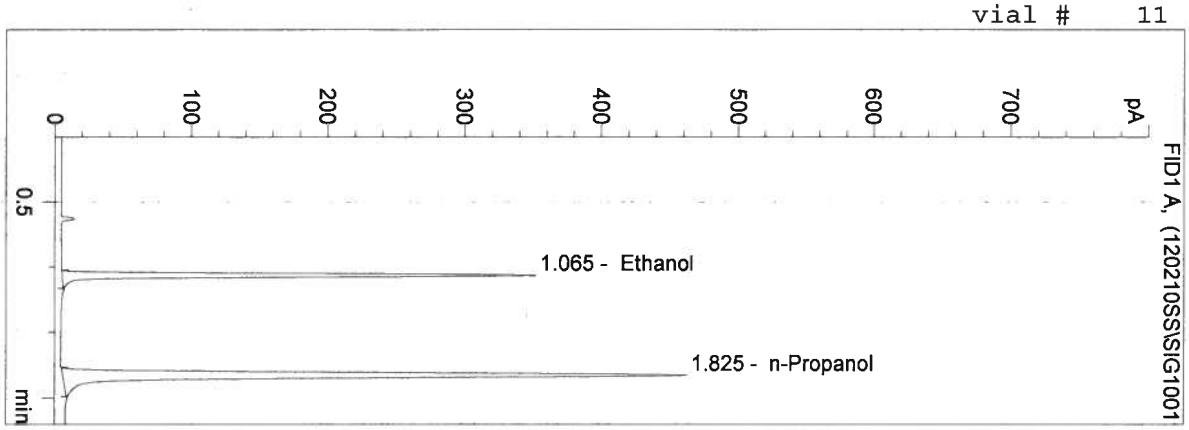
SWS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:14:49 AM
Instrument 3
DB-ALC2

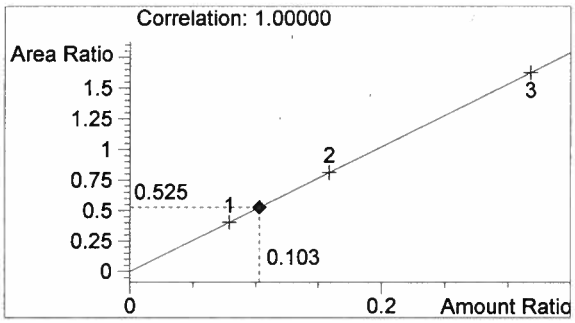
12007 #2
Sarah Swenson

vial # 11

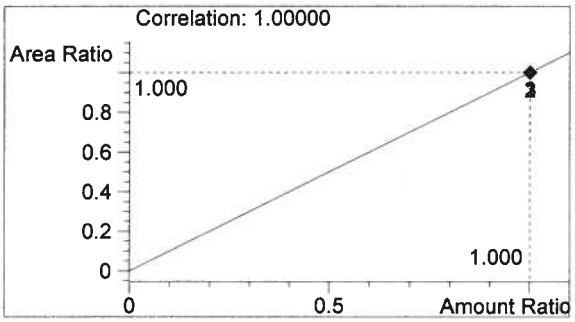


#	Compound	Area	RT
1	Ethanol	666	1.065
2	n-Propanol	1269	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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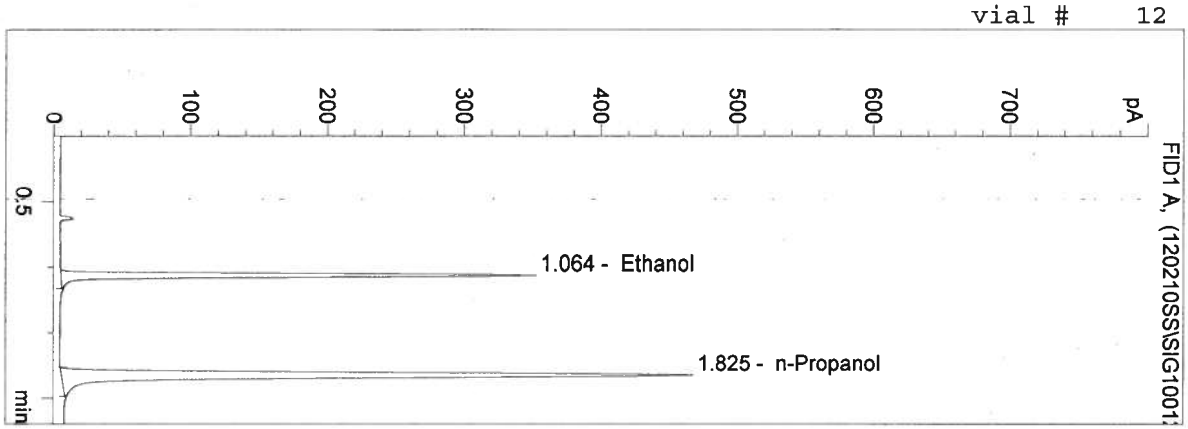
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:17:56 AM
Instrument 3
DB-ALC2

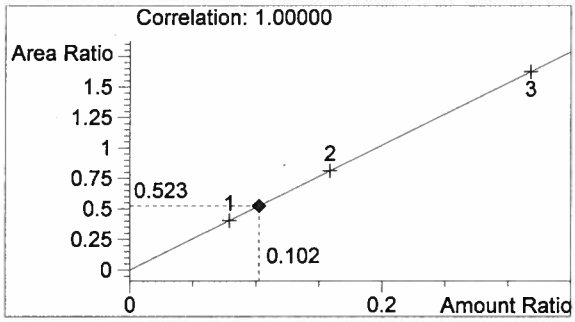
12007 #3
Sarah Swenson

vial # 12

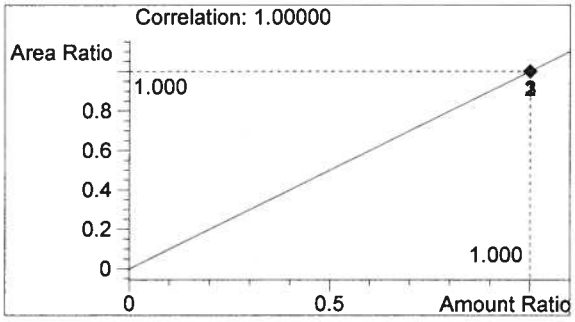


#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1287	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

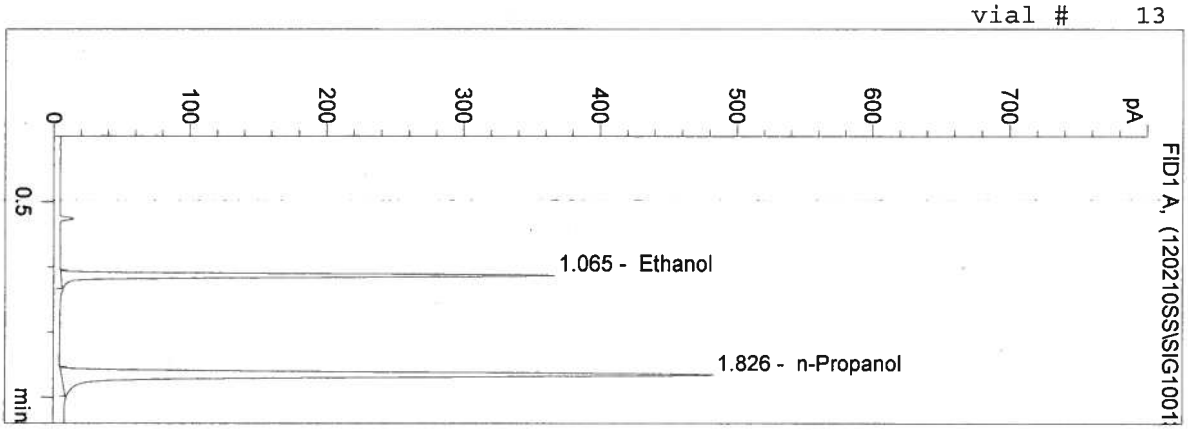
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

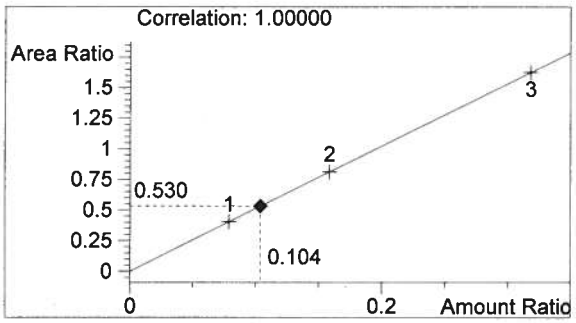
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:21:04 AM
Instrument 3
DB-ALC2

12007 #4
Sarah Swenson

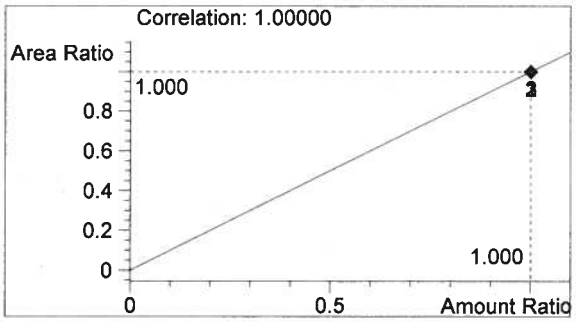
vial # 13



#	Compound	Area	RT
1	Ethanol	704	1.065
2	n-Propanol	1328	1.826
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

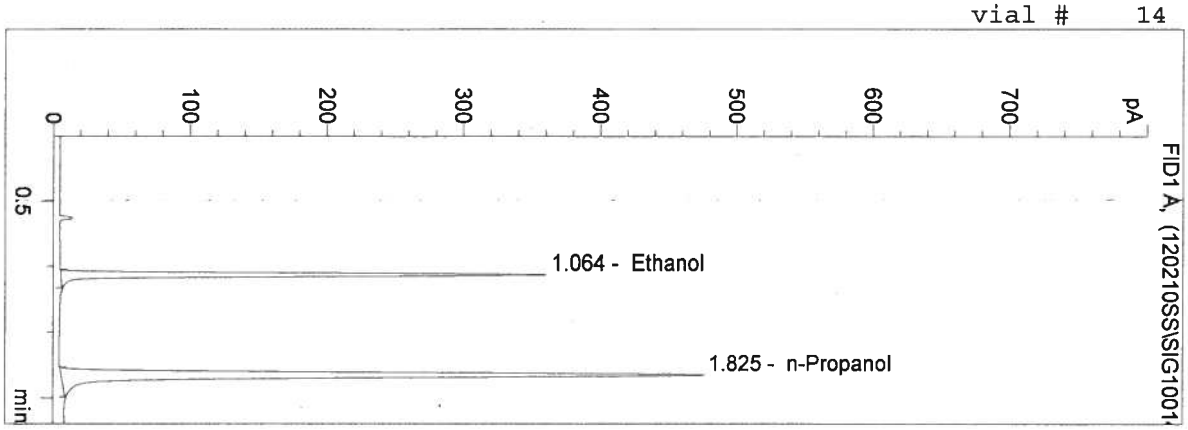
SMS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:24:11 AM
Instrument 3
DB-ALC2

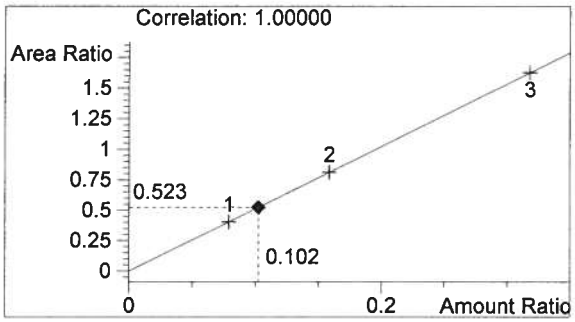
12007 #5
Sarah Swenson

vial # 14

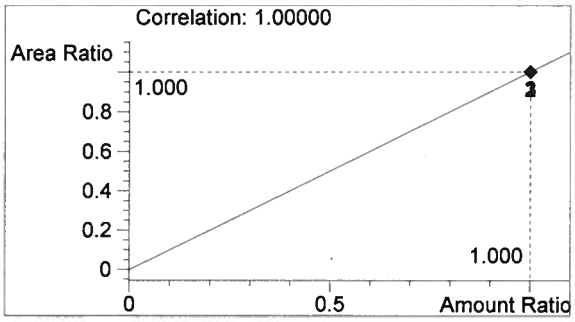


#	Compound	Area	RT
1	Ethanol	684	1.064
2	n-Propanol	1309	1.825

Totals:



Ethanol 0.102 g/100ml



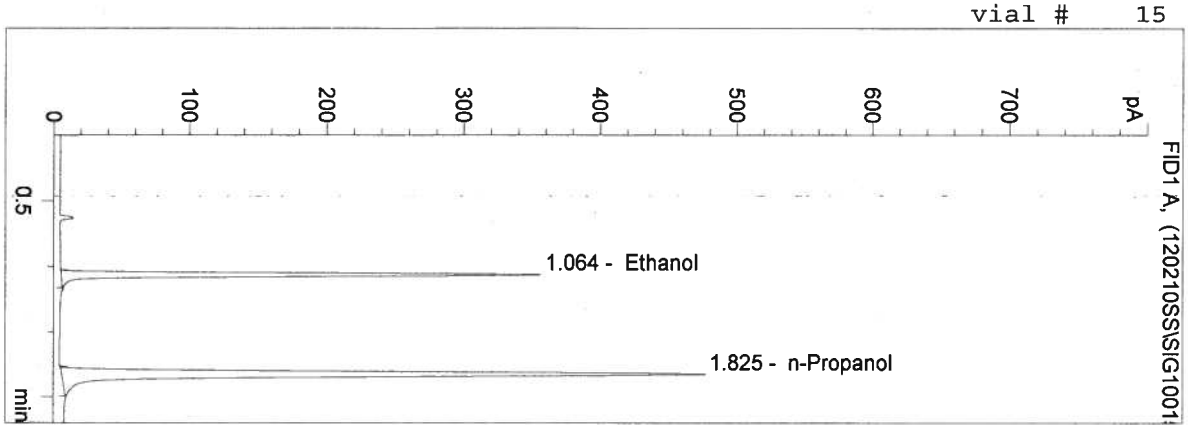
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

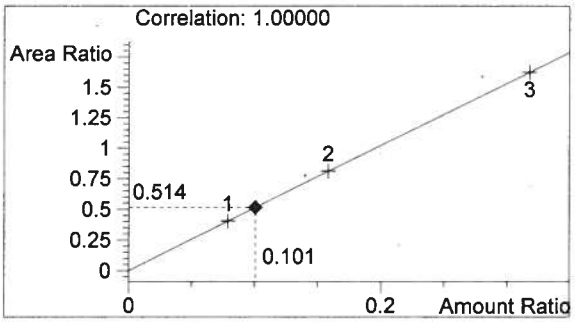
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:27:18 AM
Instrument 3
DB-ALC2

0.10 CTRL-SS
Sarah Swenson

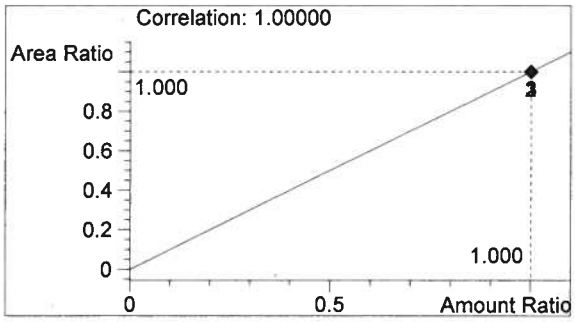
vial # 15



#	Compound	Area	RT
1	Ethanol	671	1.064
2	n-Propanol	1307	1.825
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12007

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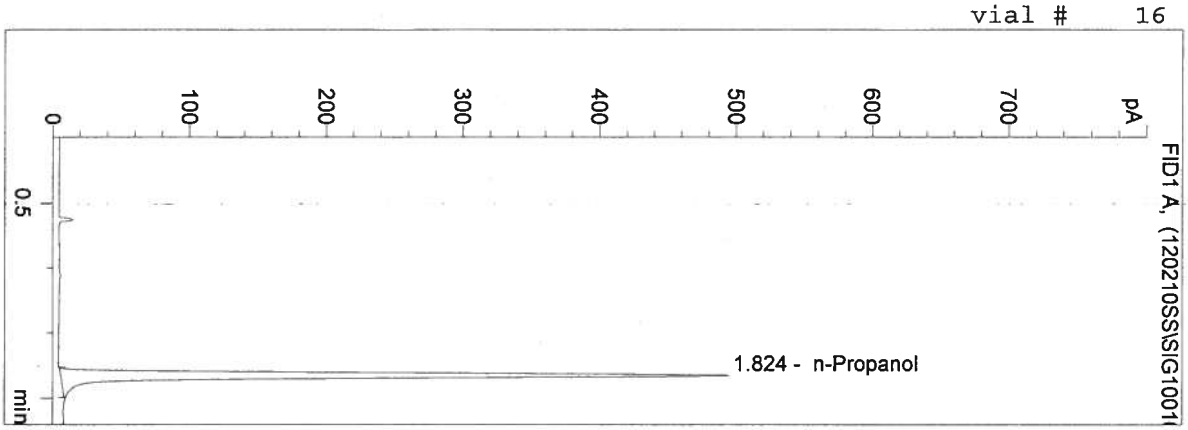
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 11:30:25 AM
Instrument 3
DB-ALC2

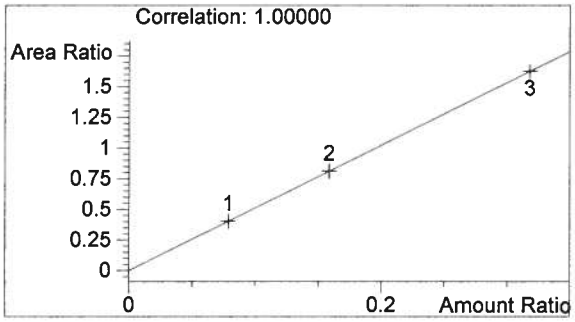
NEG CTRL-SS
Sarah Swenson

vial # 16

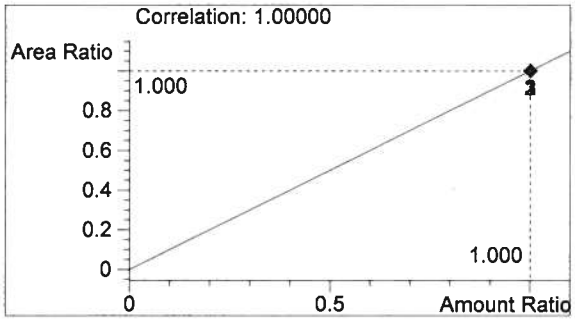


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1361	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

SJS

Sequence Parameters:

Operator:	Christie Mitchell-Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120210CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 control lot# A077459 exp 02/2015
0.10 control lot# A075806 exp 11/2014
0.20 control lot# A076521 exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01 Exp. 4/29/12
3	Vial 3	Lot#E0112-02 Exp. 4/29/12
4	Vial 4	Lot#E0112-03 Exp. 4/29/12
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12007

CM

Sequence: C:\HPCHEM\2\SEQUENCE\CMEXTSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - CM	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

CM

Calibration Table

Calib. Data Modified : Friday, February 10, 2012 9:46:25 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	508.21573	1.55485e-4	1		Ethanol
		2	1.58720e-1	1022.81470	1.55180e-4			
		3	3.17800e-1	2082.50342	1.52605e-4			
1.825	1	1	1.00000	1270.81067	7.86899e-4	I1		n-Propanol
		2	1.00000	1274.04089	7.84904e-4			
		3	1.00000	1283.38660	7.79188e-4			

Peak Sum Table

No Entries in table

12007

CM

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Calibration Curves

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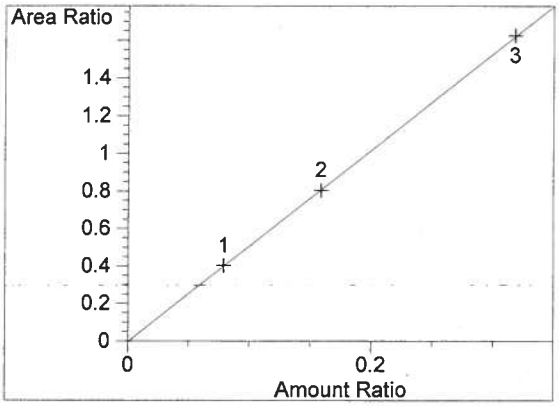
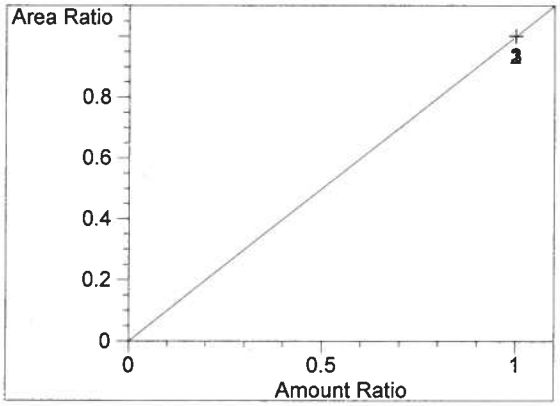


Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00443
Formula: y = mx + b
m: 5.10705
b: -2.94506e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12007

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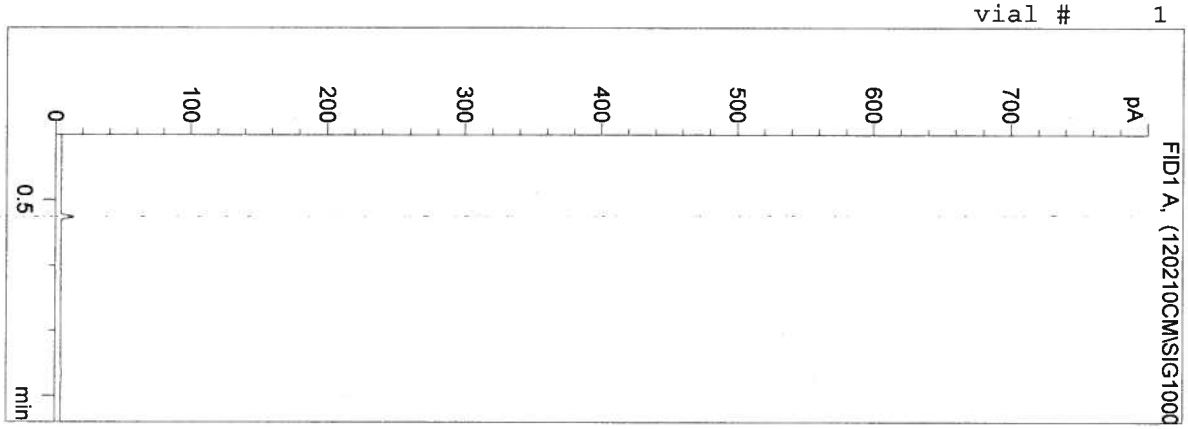
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 9:34:51 AM
Instrument 3
DB-ALC2

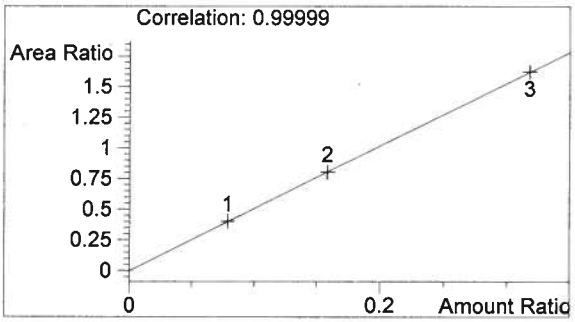
BLANK
Christie Mitchell-Mata

vial # 1

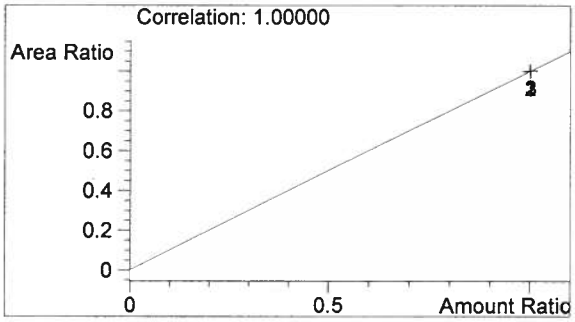


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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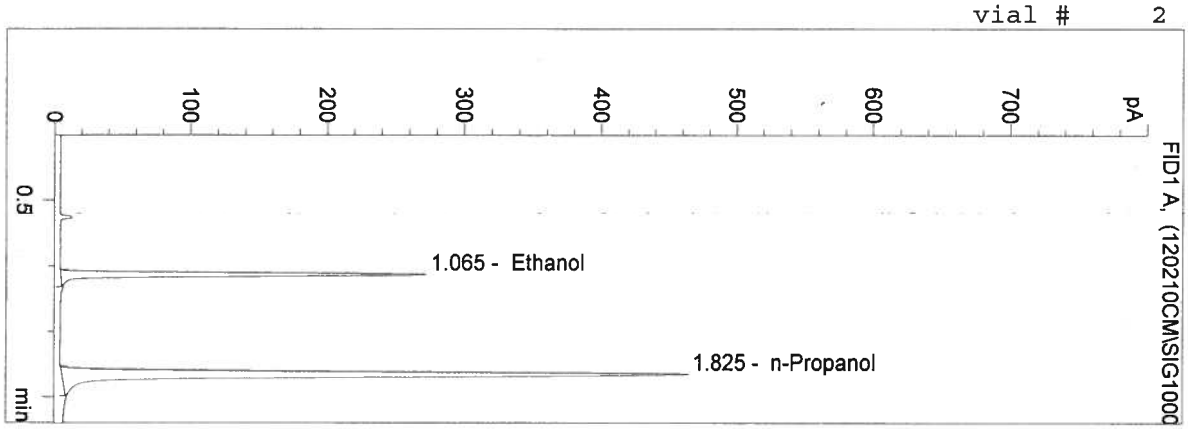
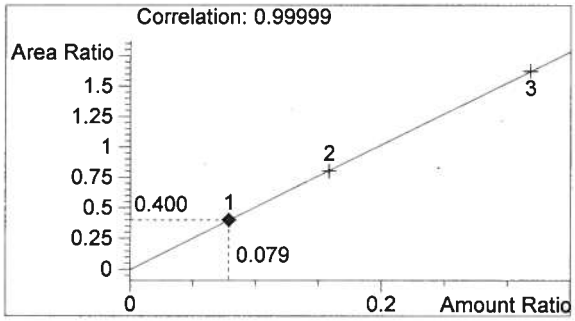
2/10/2012 9:37:58 AM
Instrument 3
DB-ALC2

0.079 CAL
Christie Mitchell-Mata

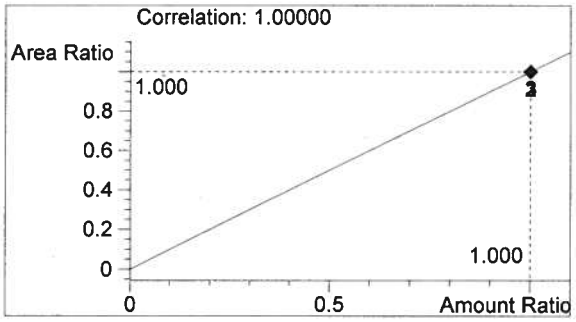
vial # 2



#	Compound	Area	RT
1	Ethanol	508	1.065
2	n-Propanol	1271	1.825
Totals:			



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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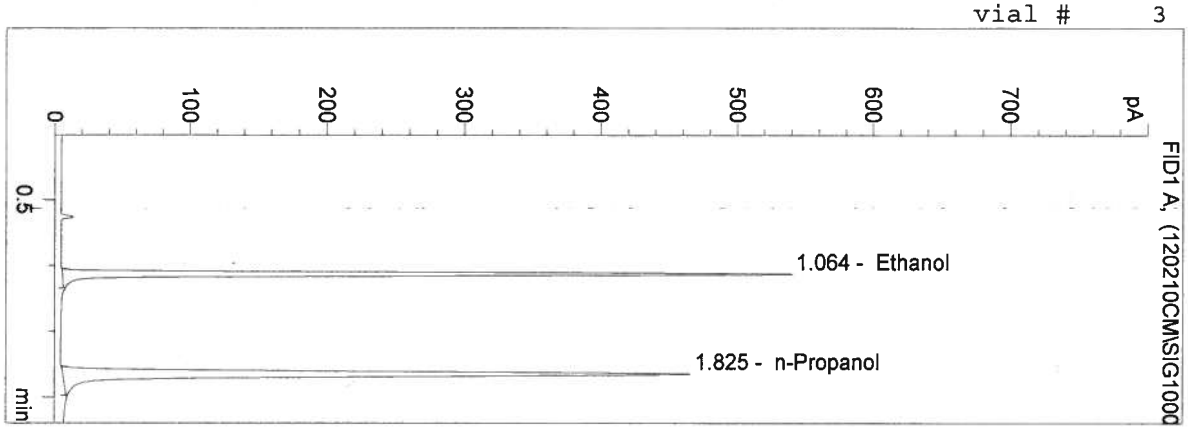
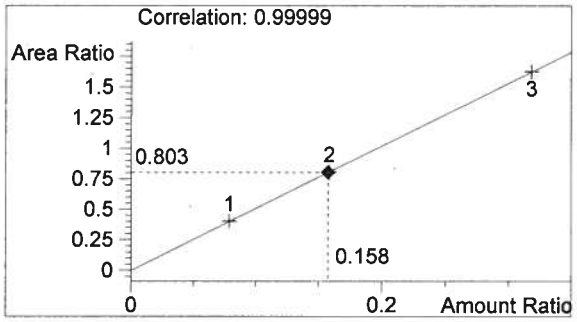
0.158 CAL
Christie Mitchell-Mata

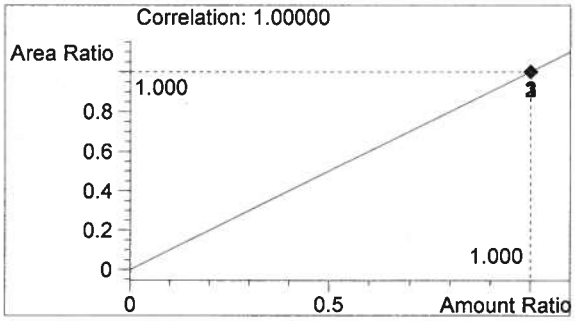
vial # 3



#	Compound	Area	RT
1	Ethanol	1023	1.064
2	n-Propanol	1274	1.825
Totals:			



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

12007

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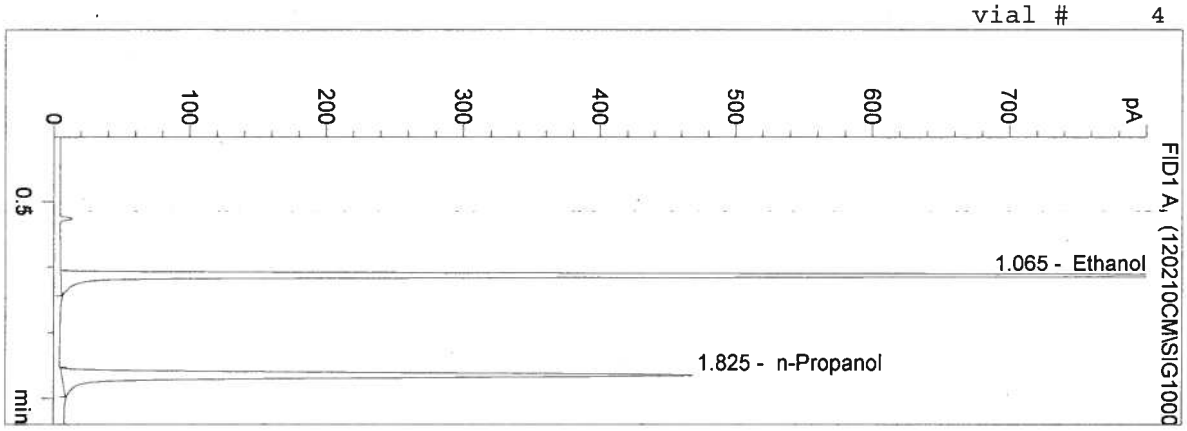
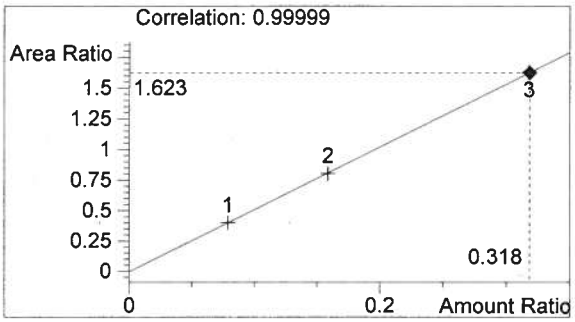
C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 9:44:12 AM
Instrument 3
DB-ALC2

0.316 CAL
Christie Mitchell-Mata

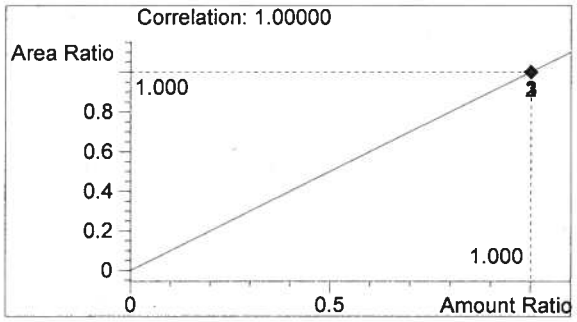
vial # 4



#	Compound	Area	RT
1	Ethanol	2083	1.065
2	n-Propanol	1283	1.825
Totals:			



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

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2/10/2012 9:47:20 AM
Instrument 3
DB-ALC2

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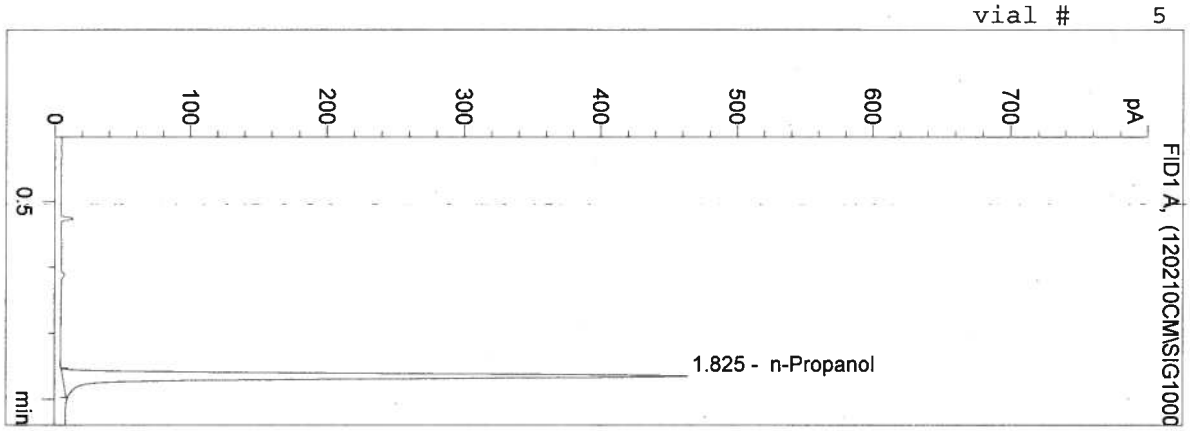
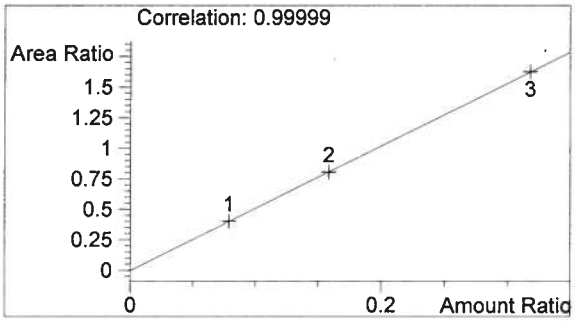
Christie Mitchell-Mata

vial # 5

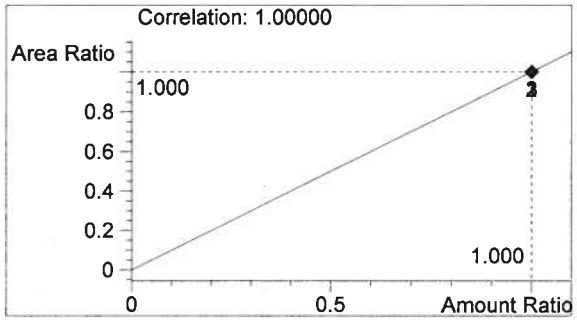


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1271	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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2/10/2012 9:50:27 AM
Instrument 3
DB-ALC2

0.04 CTRL - CM
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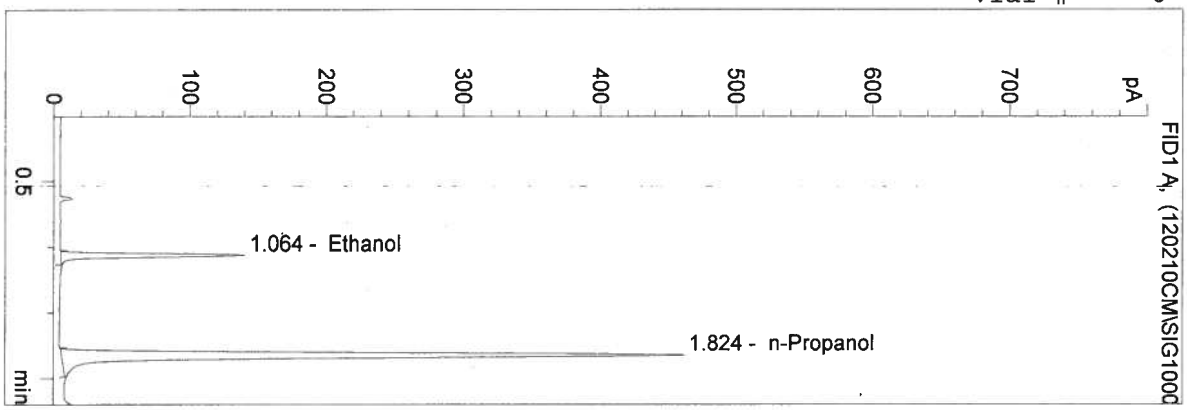
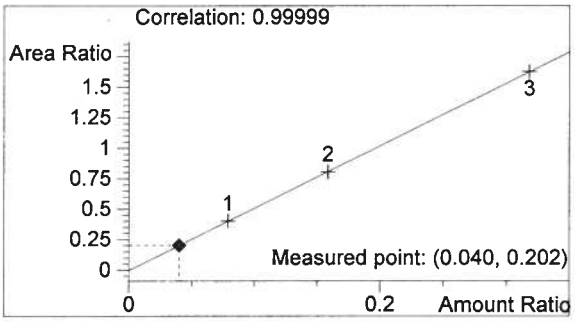
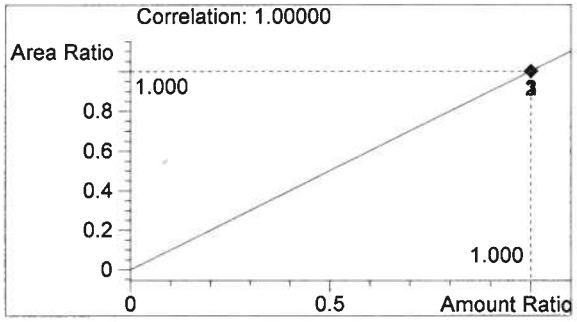
vial # 6



#	Compound	Area	RT
1	Ethanol	255	1.064
2	n-Propanol	1265	1.824
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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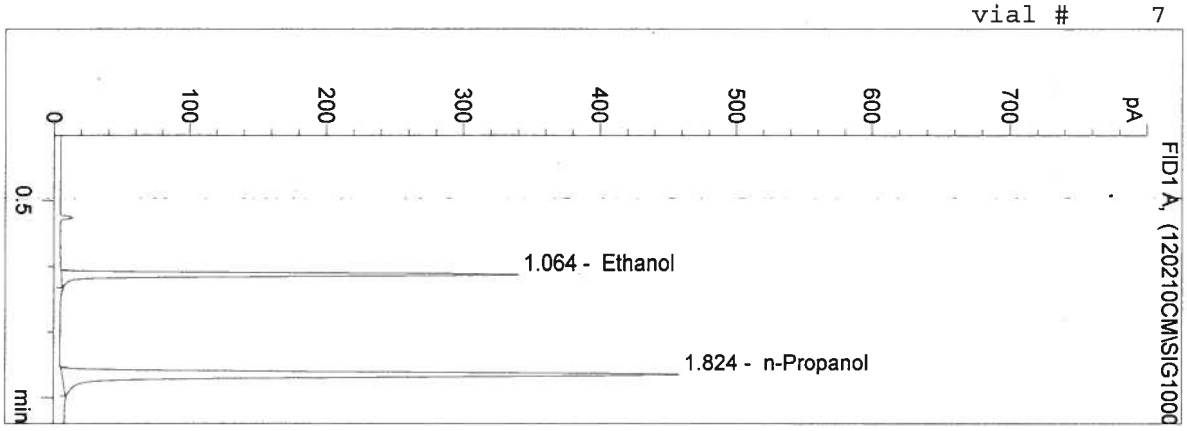
2/10/2012 9:53:36 AM
Instrument 3
DB-ALC2

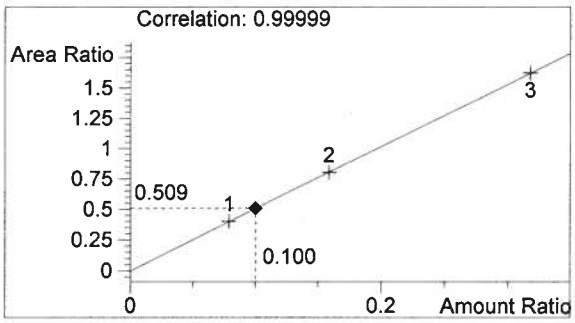
0.10 CTRL - CM
Christie Mitchell-Mata

vial # 7

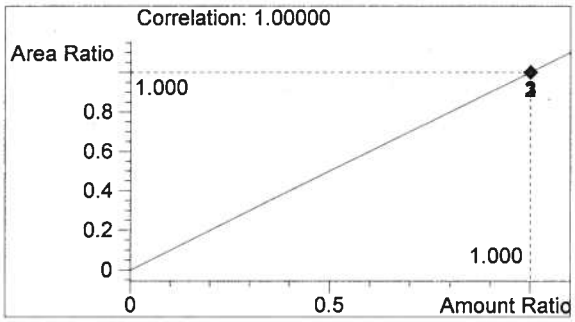


#	Compound	Area	RT
1	Ethanol	639	1.064
2	n-Propanol	1254	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

12007

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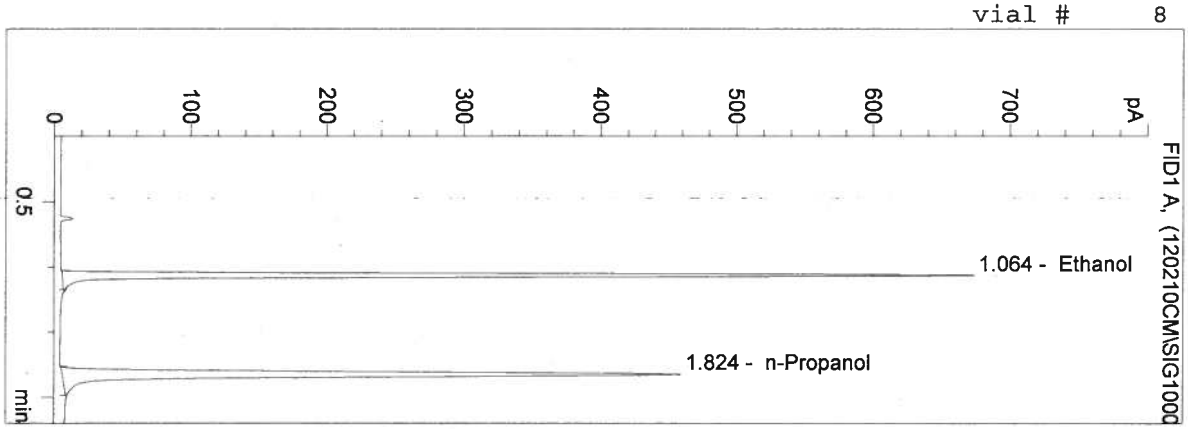
Instrument 3
DB-ALC2

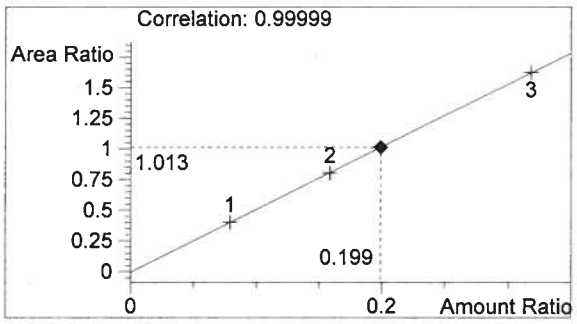
0.20 CTRL - CM
Christie Mitchell-Mata

vial # 8

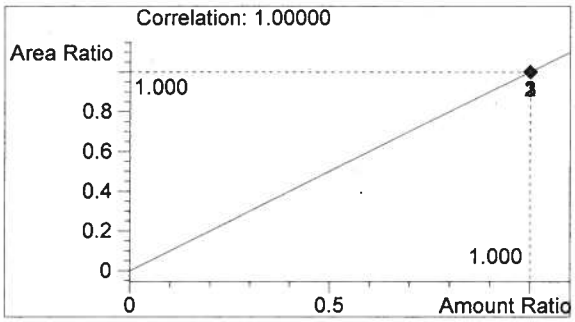


#	Compound	Area	RT
1	Ethanol	1274	1.064
2	n-Propanol	1257	1.824

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

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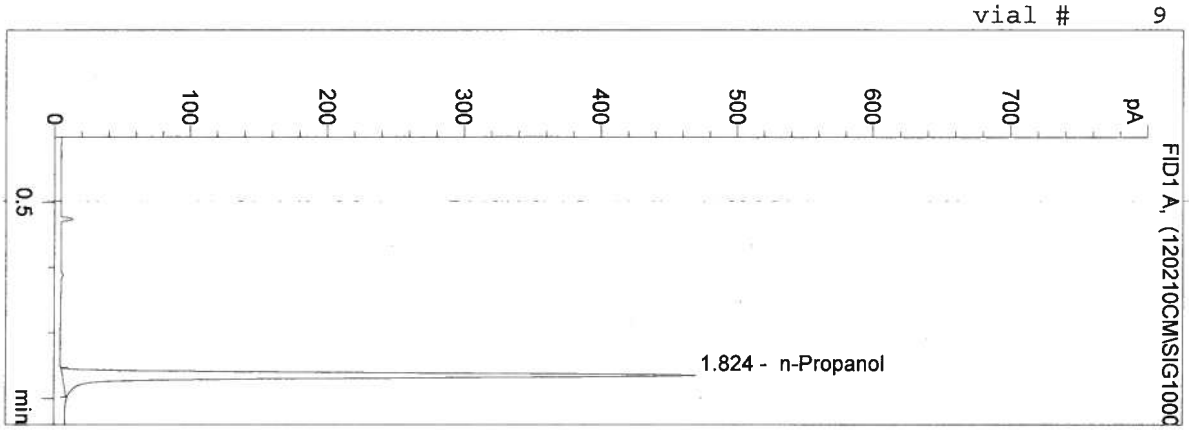
2/10/2012 9:59:50 AM
Instrument 3
DB-ALC2

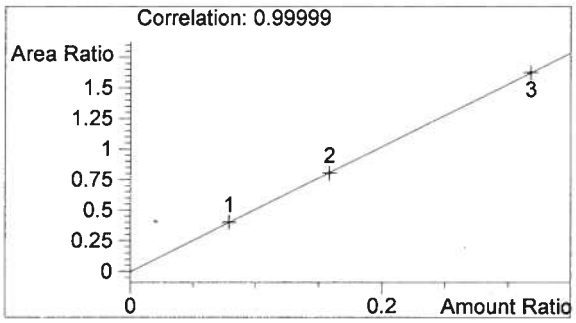
NEG CTRL - CM
Christie Mitchell-Mata

vial # 9

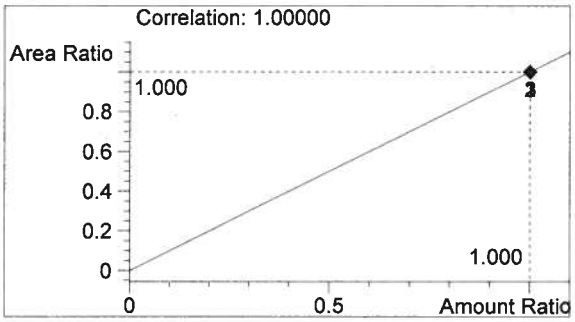


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1290	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

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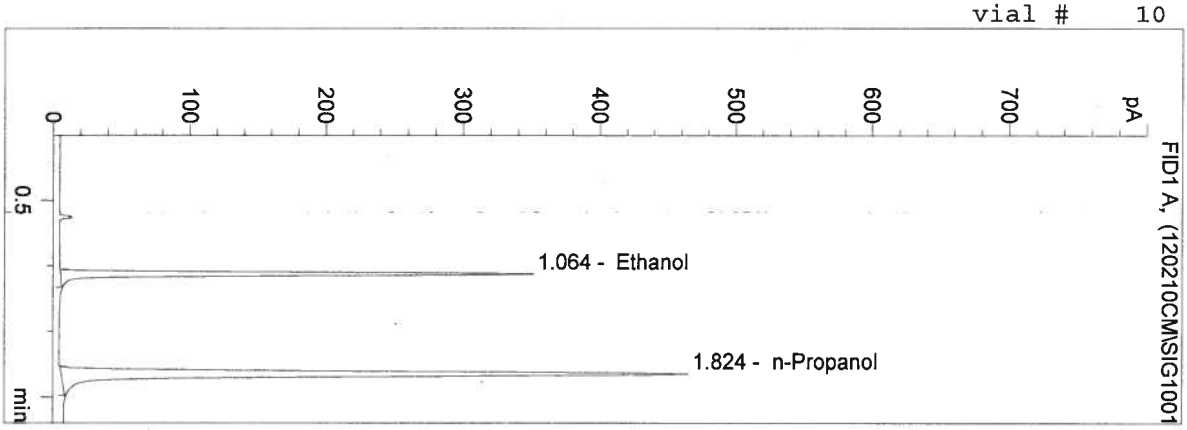
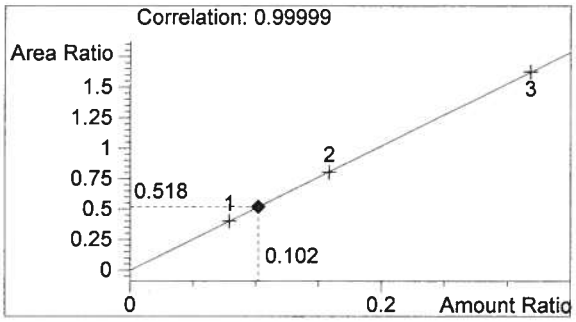
Instrument 3
DB-ALC2

12007 #1
Christie Mitchell-Mata

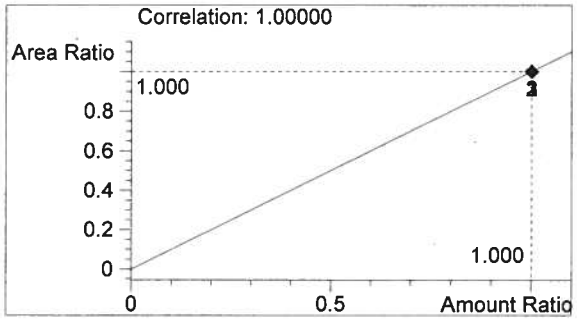
vial # 10



#	Compound	Area	RT
1	Ethanol	660	1.064
2	n-Propanol	1274	1.824
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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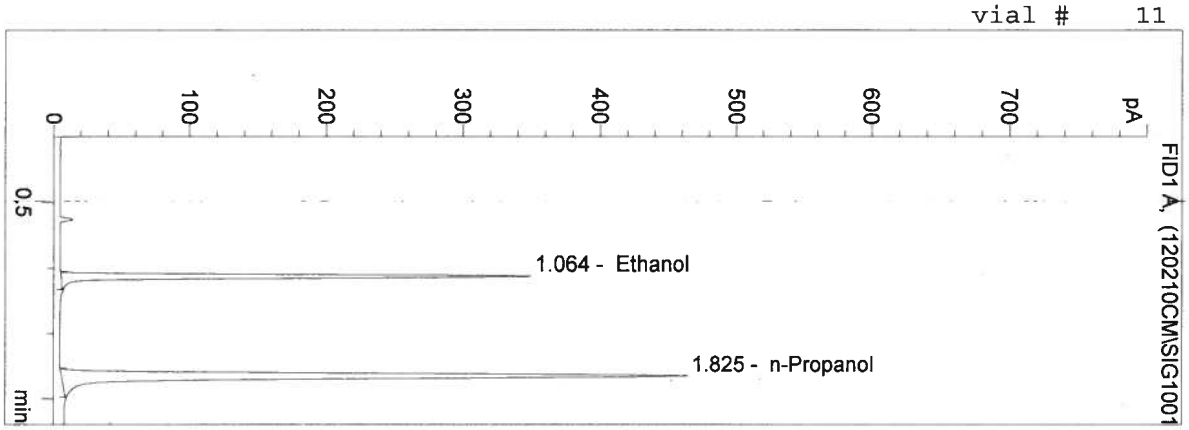
Instrument 3
DB-ALC2

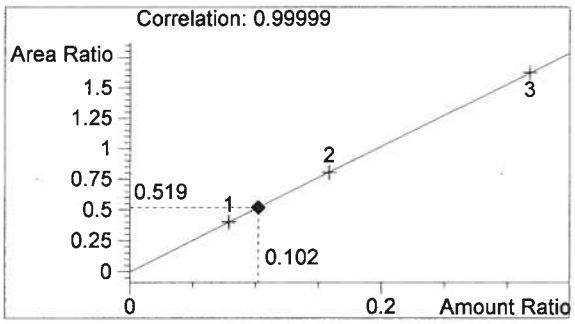
12007 #2
Christie Mitchell-Mata

vial # 11

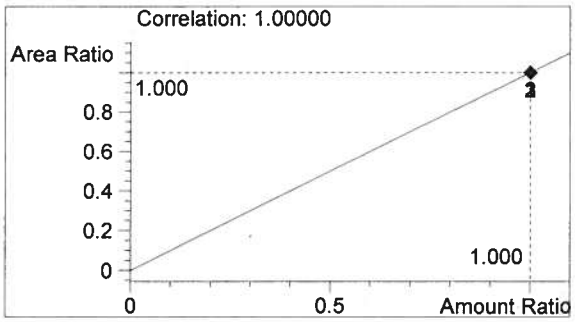


#	Compound	Area	RT
1	Ethanol	663	1.064
2	n-Propanol	1276	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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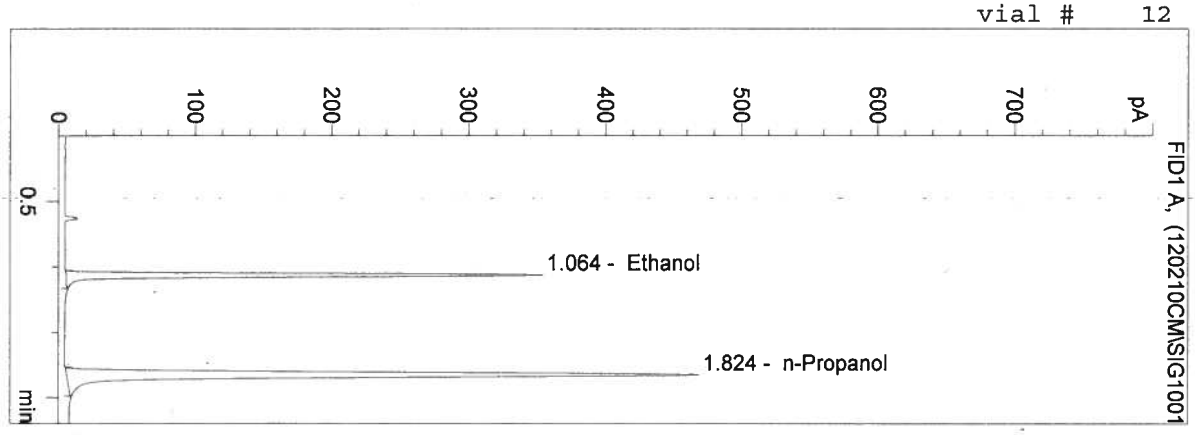
Instrument 3
DB-ALC2

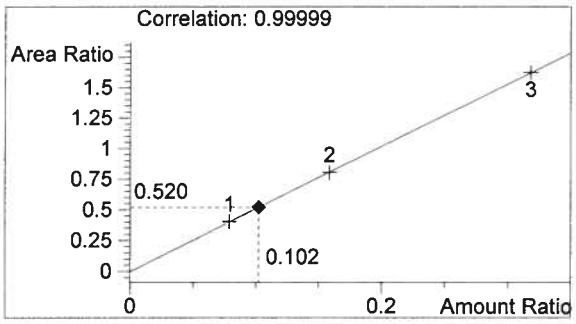
12007 #3
Christie Mitchell-Mata

vial # 12

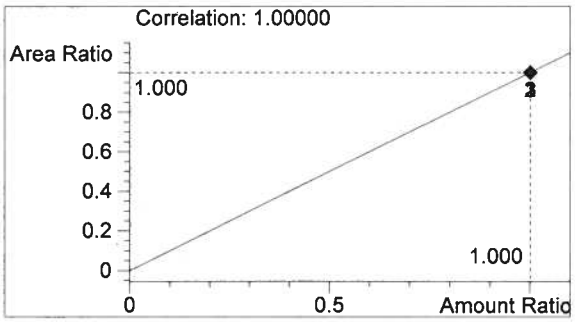


#	Compound	Area	RT
1	Ethanol	669	1.064
2	n-Propanol	1285	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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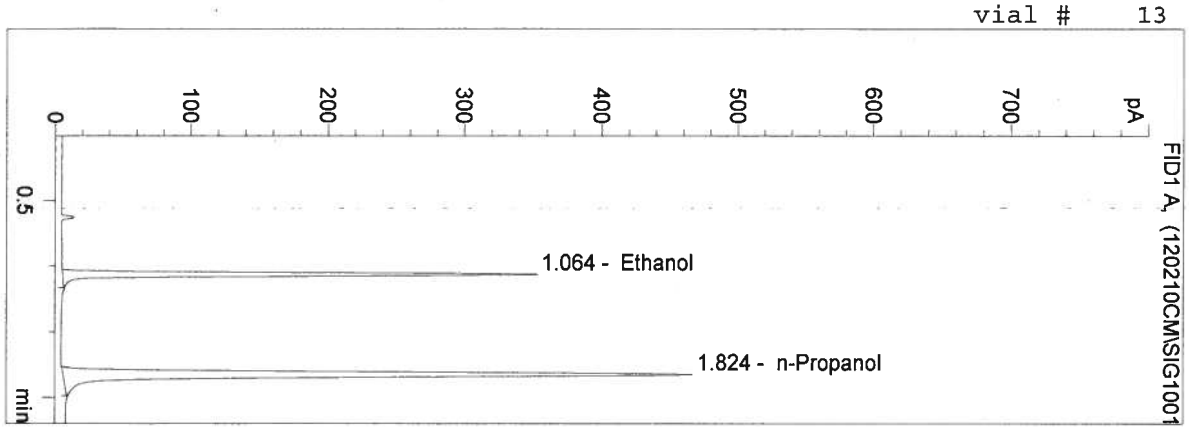
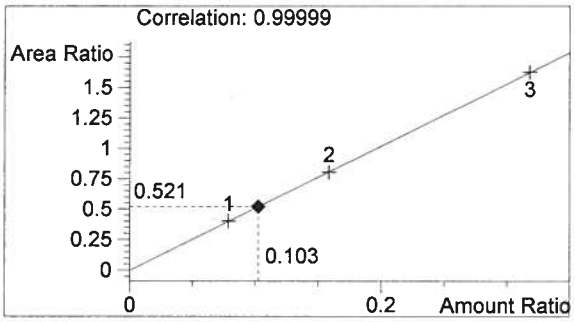
Instrument 3
DB-ALC2

12007 #4
Christie Mitchell-Mata

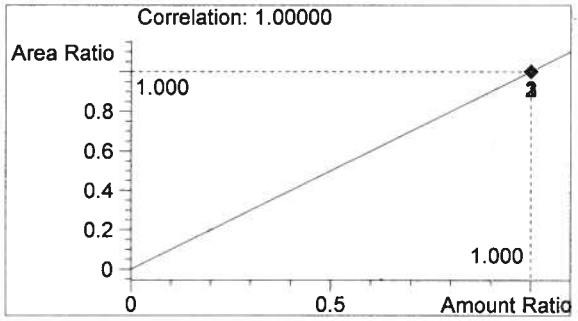
vial # 13



#	Compound	Area	RT
1	Ethanol	666	1.064
2	n-Propanol	1279	1.824
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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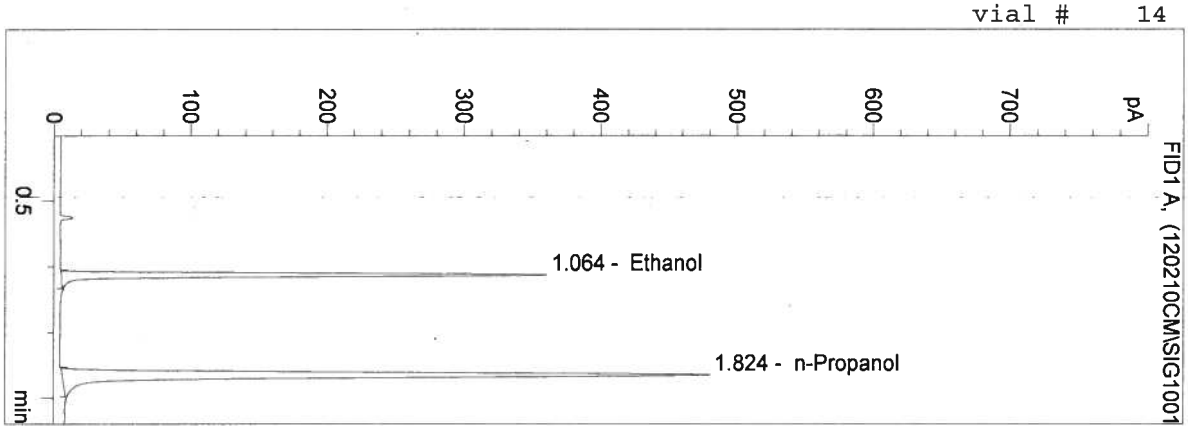
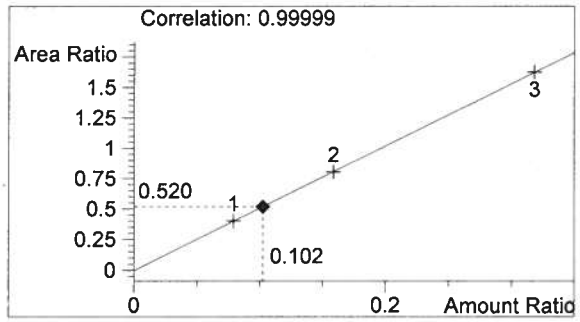
2/10/2012 10:15:27 AM
Instrument 3
DB-ALC2

12007 #5
Christie Mitchell-Mata

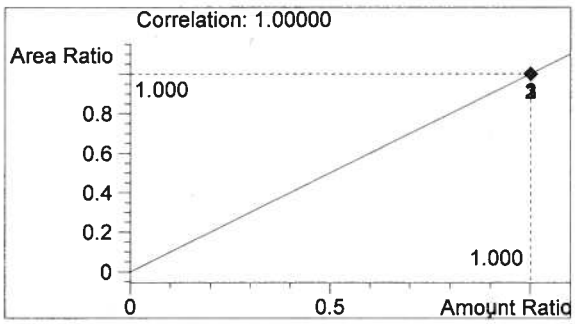
vial # 14



#	Compound	Area	RT
1	Ethanol	687	1.064
2	n-Propanol	1320	1.824
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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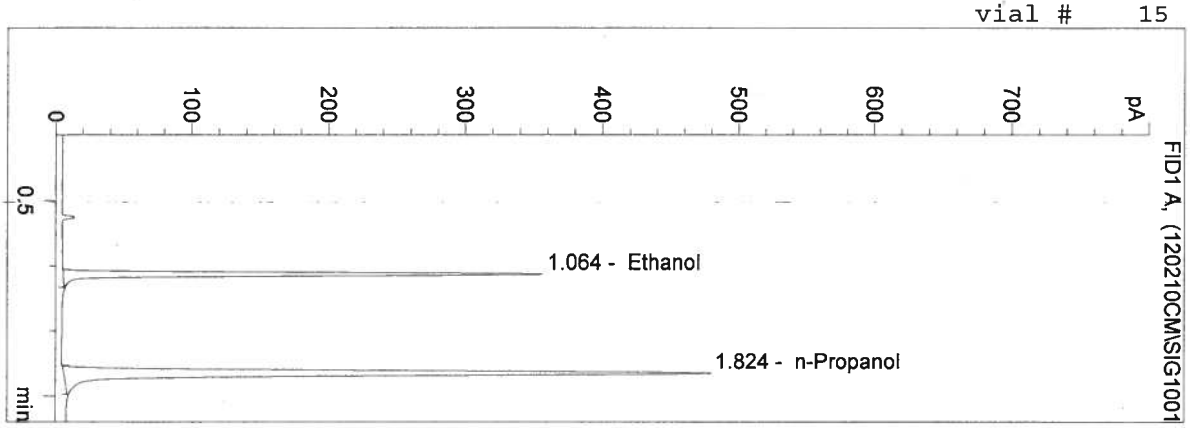
Instrument 3
DB-ALC2

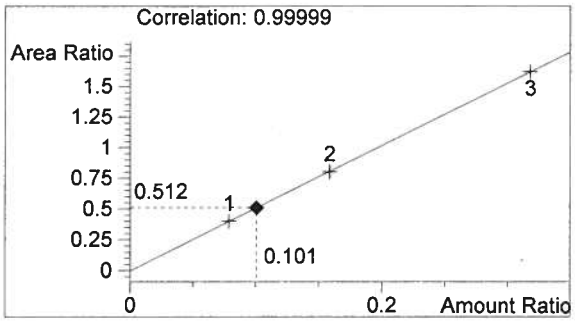
0.10 CTRL - CM
Christie Mitchell-Mata

vial # 15

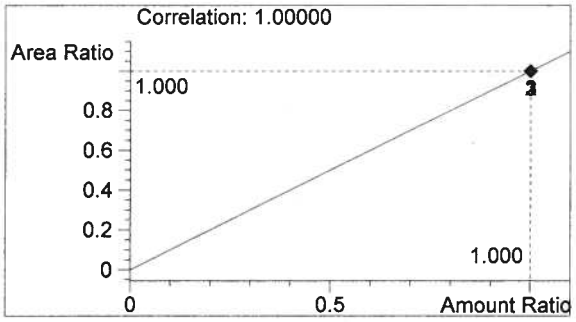


#	Compound	Area	RT
1	Ethanol	674	1.064
2	n-Propanol	1315	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12007

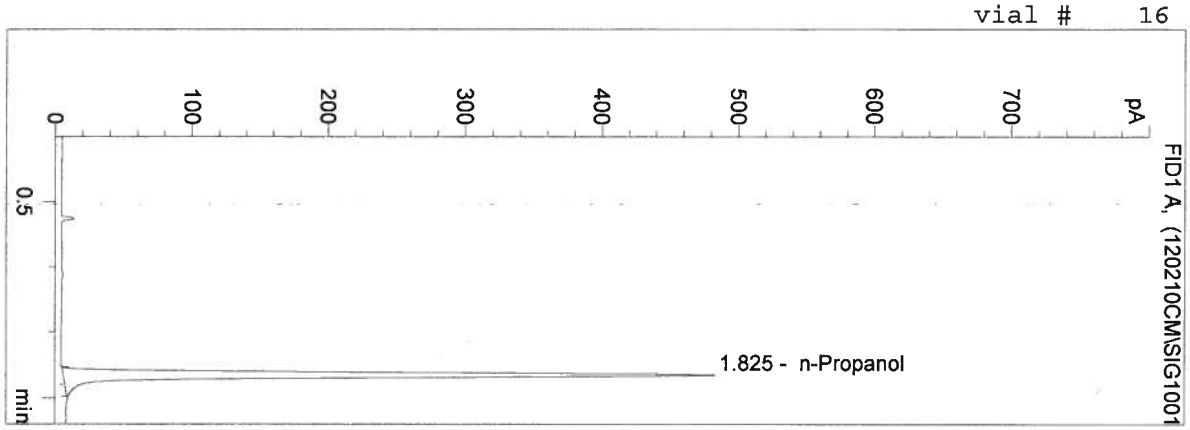
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/10/2012 10:21:41 AM
Instrument 3
DB-ALC2

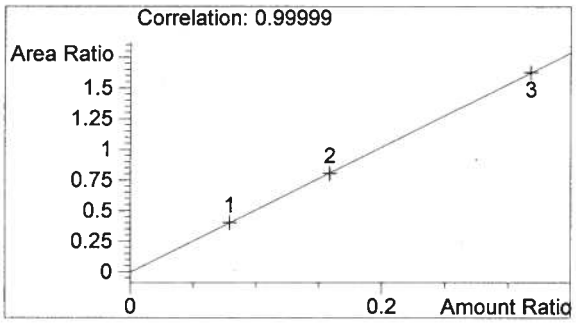
NEG CTRL - CM
Christie Mitchell-Mata

vial # 16

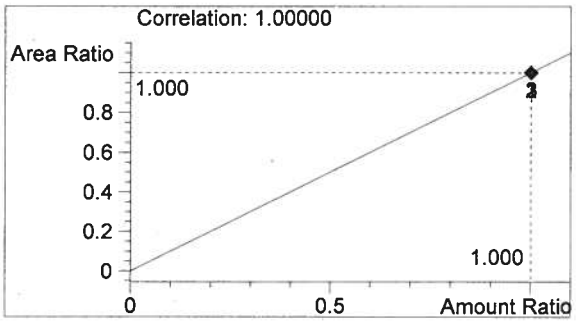


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1320	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

CM

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120215JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0112-01 - Exp 04/29/2012
3	Vial 3	E0112-02 - Exp 04/29/2012
4	Vial 4	E0112-03 - Exp 04/29/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12007

Sequence: C:\HPCHEM\2\SEQUENCE\JKEXSTD3.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007-1	SIMALC3	1	Sample		
11	Vial 11	12007-2	SIMALC3	1	Sample		
12	Vial 12	12007-3	SIMALC3	1	Sample		
13	Vial 13	12007-4	SIMALC3	1	Sample		
14	Vial 14	12007-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

Calibration Table

Calib. Data Modified : Wednesday, February 15, 2012 12:21:31 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	505.24823	1.56398e-4	1		Ethanol
		2	1.58720e-1	1004.11407	1.58070e-4			
		3	3.17800e-1	2004.03857	1.58580e-4			
1.825	1	1	1.00000	1256.06030	7.96140e-4	I1		n-Propanol
		2	1.00000	1242.11853	8.05076e-4			
		3	1.00000	1235.01929	8.09704e-4			

Peak Sum Table

No Entries in table

12007

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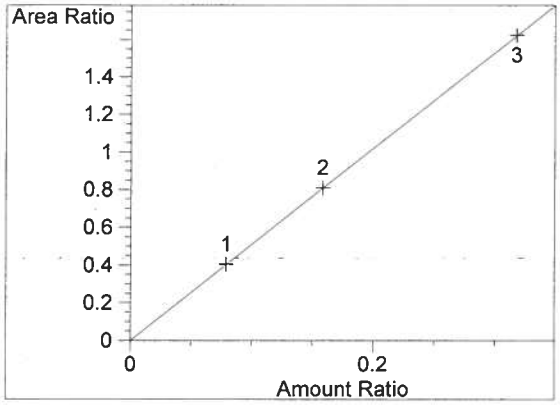
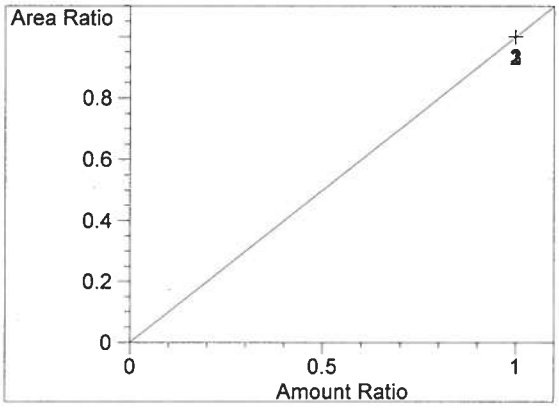
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00122
Formula: y = mx + b
m: 5.10657
b: -8.97376e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.825
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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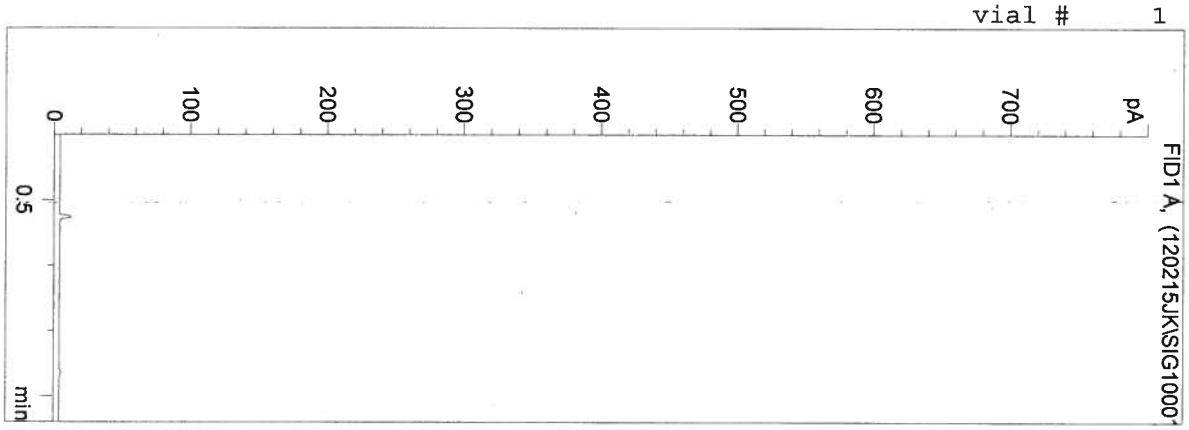
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:09:57 PM
Instrument 3
DB-ALC2

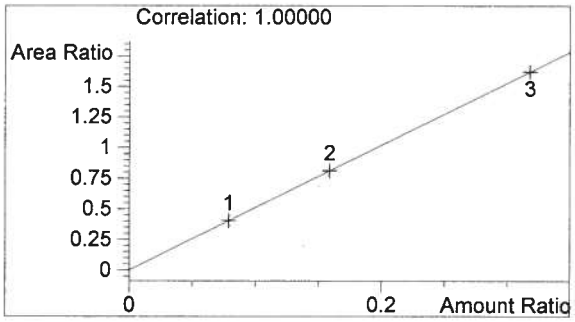
BLANK
Justin Knoy

vial # 1

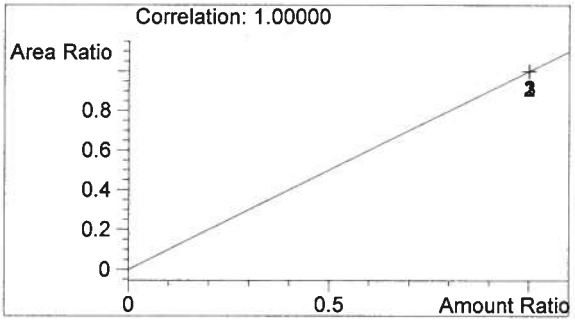


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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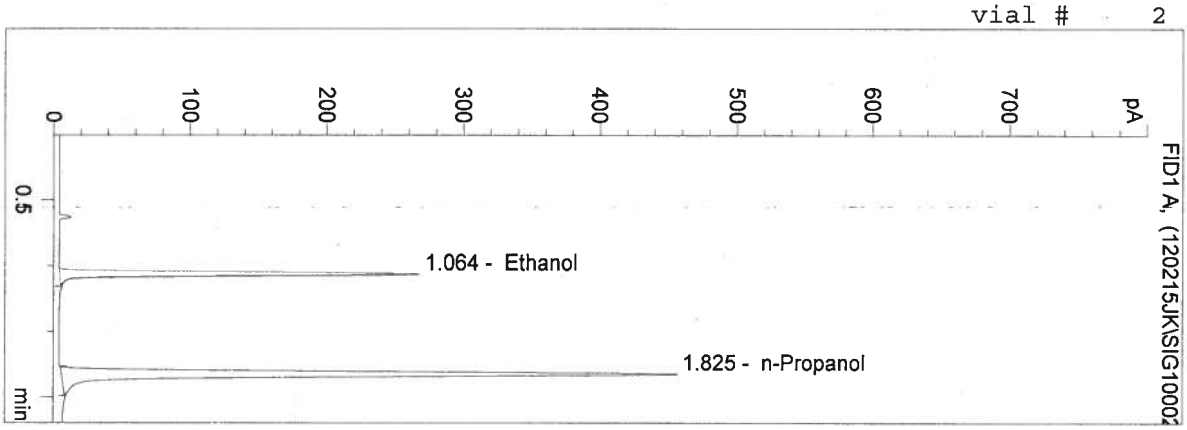
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:13:04 PM
Instrument 3
DB-ALC2

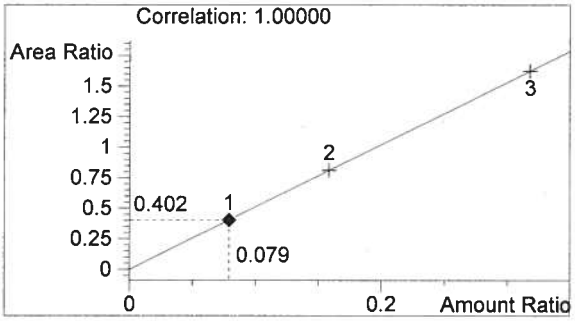
CAL1 0.079
Justin Knoy

vial # 2

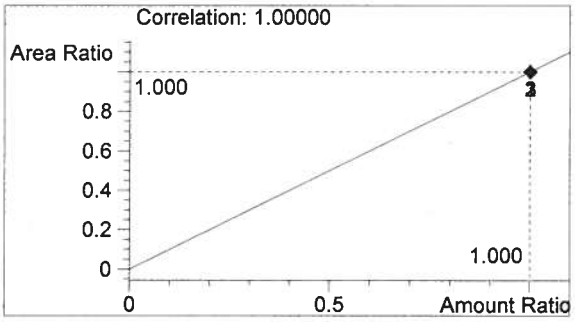


#	Compound	Area	RT
1	Ethanol	505	1.064
2	n-Propanol	1256	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12007

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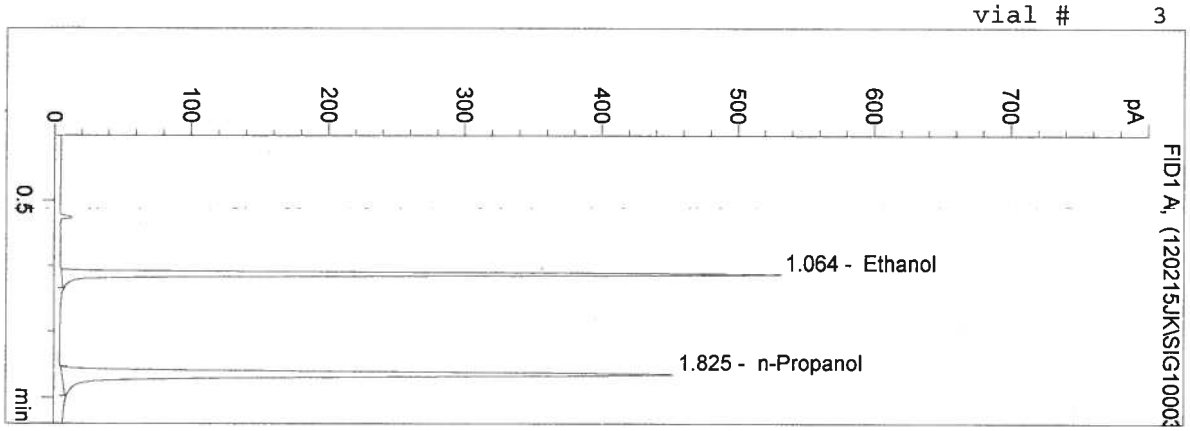
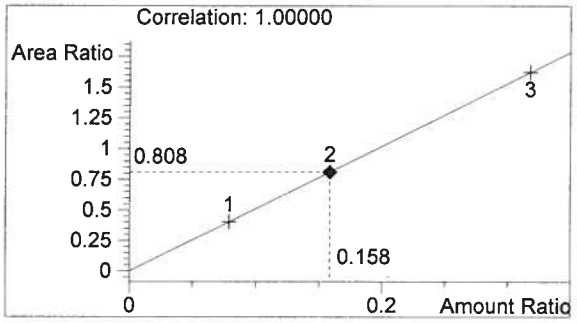
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:16:12 PM
Instrument 3
DB-ALC2

CAL2 0.158
Justin Knoy

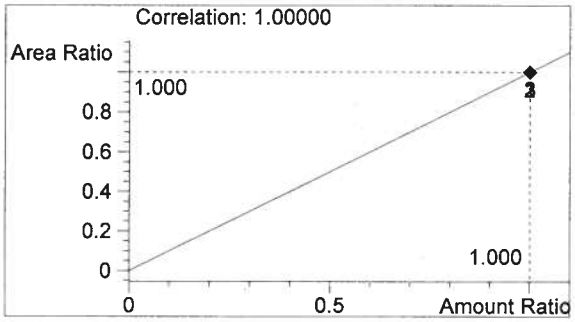
vial # 3



#	Compound	Area	RT
1	Ethanol	1004	1.064
2	n-Propanol	1242	1.825
Totals:			



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

12007

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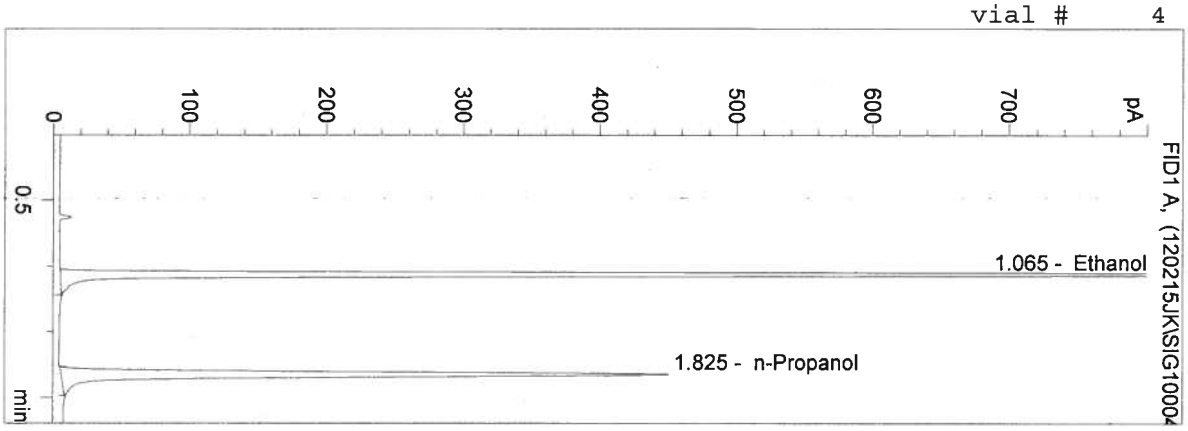
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:19:19 PM
Instrument 3
DB-ALC2

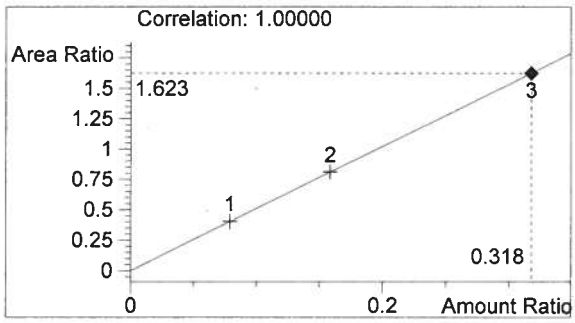
CAL3 0.316
Justin Knoy

vial # 4

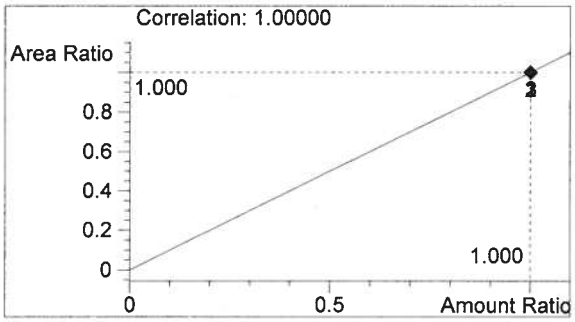


#	Compound	Area	RT
1	Ethanol	2004	1.065
2	n-Propanol	1235	1.825

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

12007

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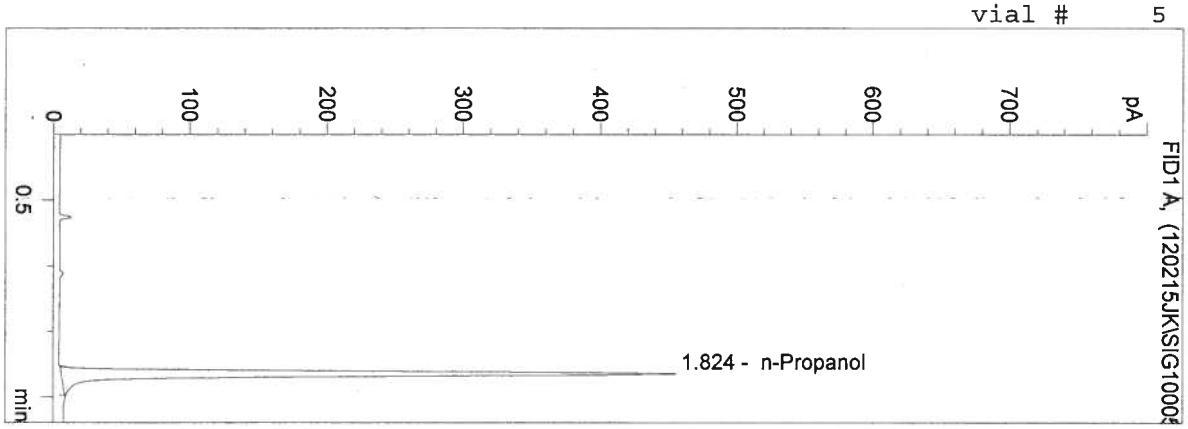
2/15/2012 12:22:26 PM
Instrument 3
DB-ALC2

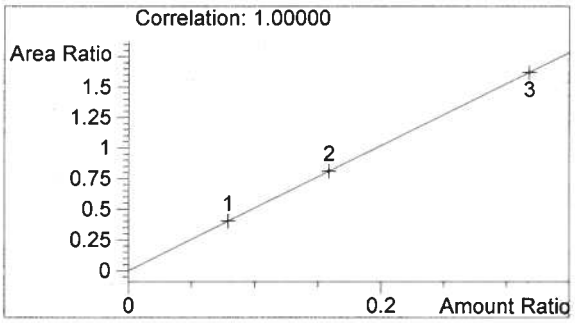
NEG CTRL JK
Justin Knoy

vial # 5

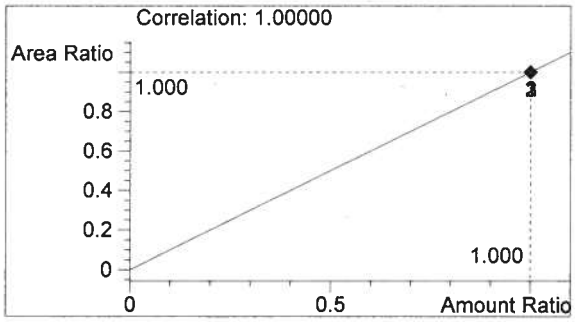


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1254	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

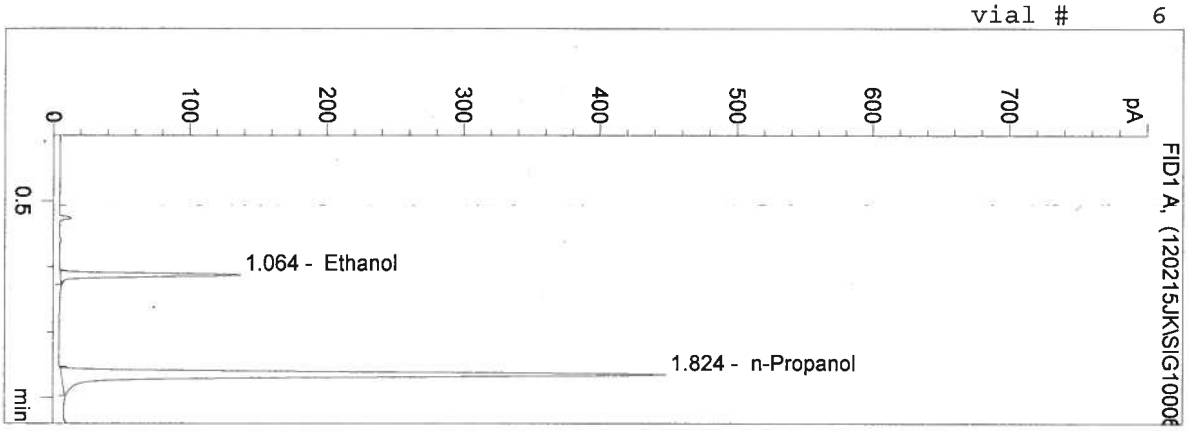
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

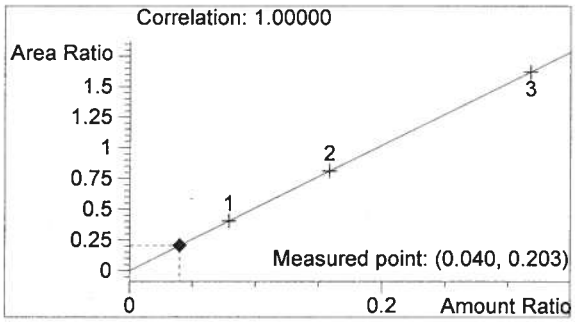
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:25:34 PM
Instrument 3
DB-ALC2

0.04 CTRL JK
Justin Knoy

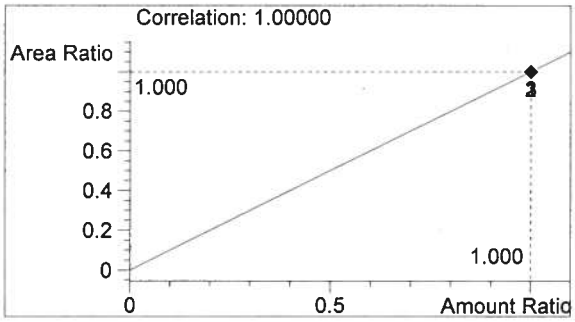
vial # 6



#	Compound	Area	RT
1	Ethanol	250	1.064
2	n-Propanol	1230	1.824
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

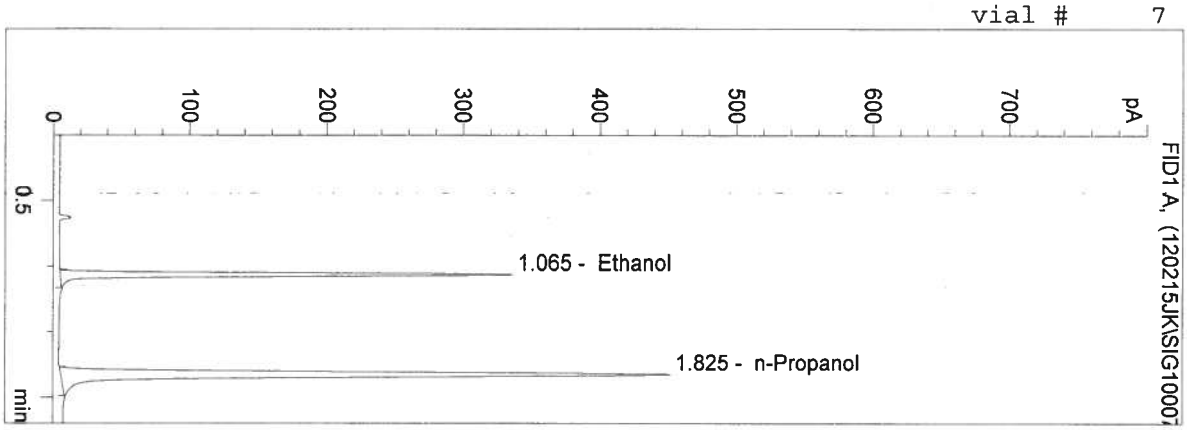
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:28:41 PM
Instrument 3
DB-ALC2

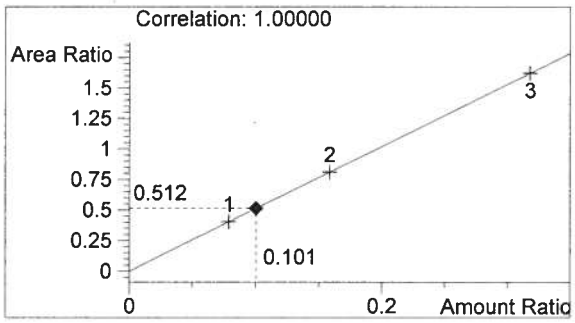
0.10 CTRL JK
Justin Knoy

vial # 7

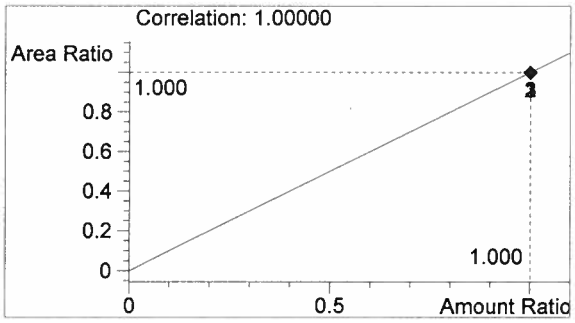


#	Compound	Area	RT
1	Ethanol	637	1.065
2	n-Propanol	1242	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

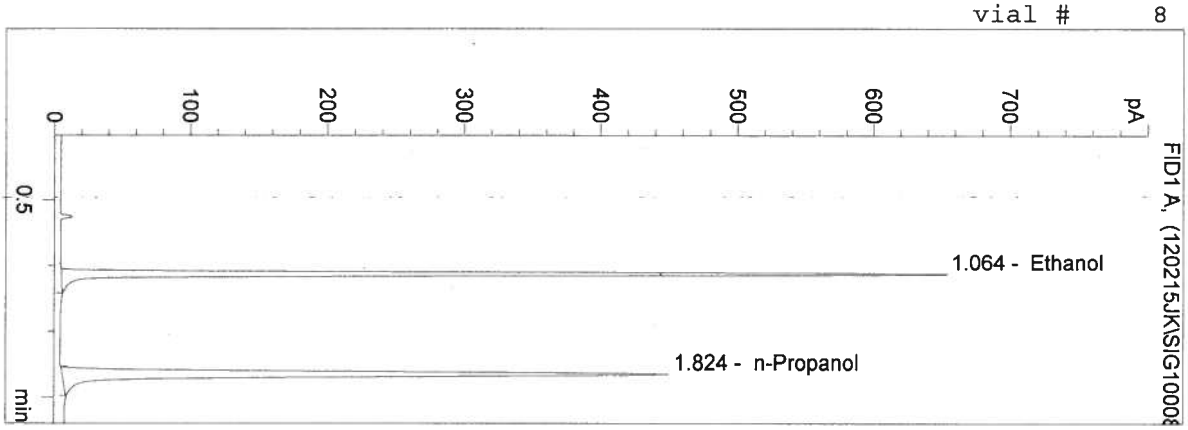
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:31:48 PM
Instrument 3
DB-ALC2

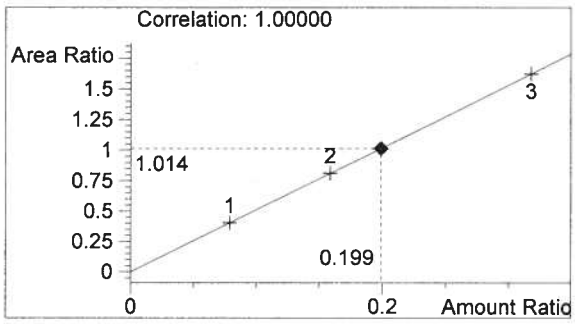
0.20 CTRL JK
Justin Knoy

vial # 8

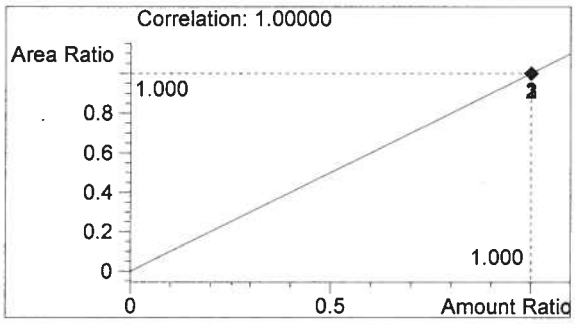


#	Compound	Area	RT
1	Ethanol	1251	1.064
2	n-Propanol	1234	1.824

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

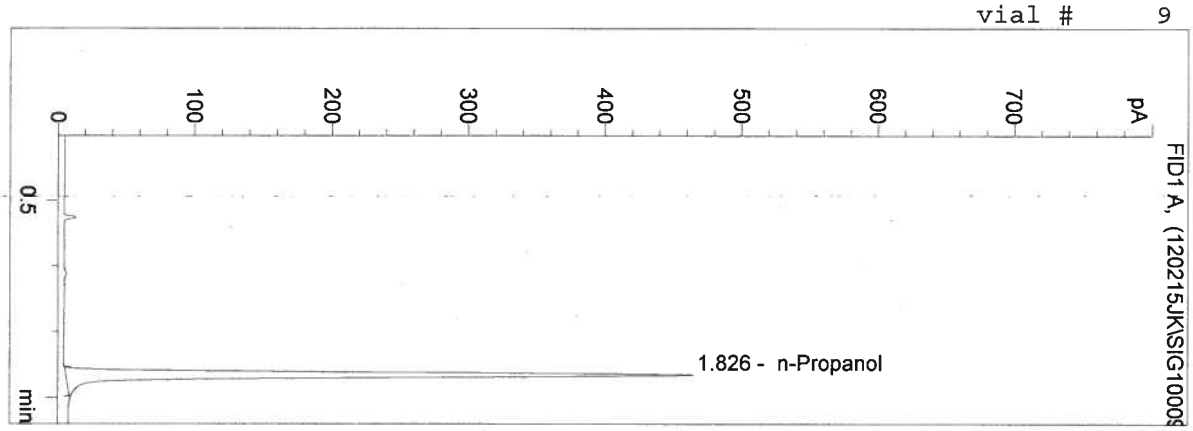
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

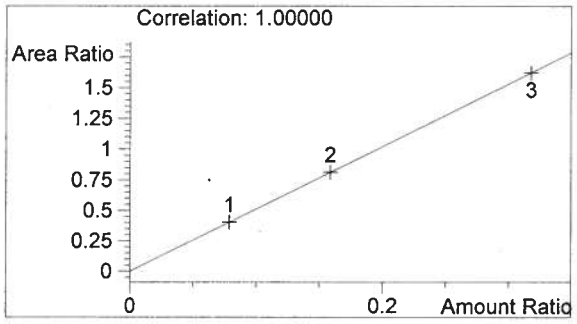
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:34:55 PM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

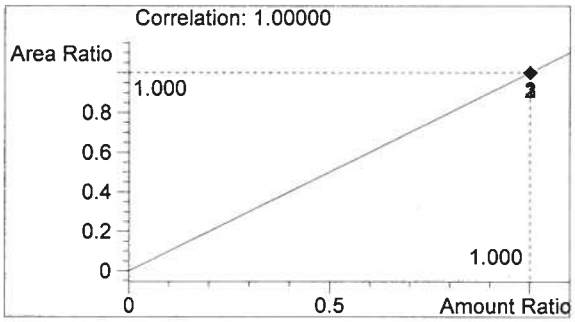
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1284	1.826
Totals:			



Ethanol 0.000 g/100ml



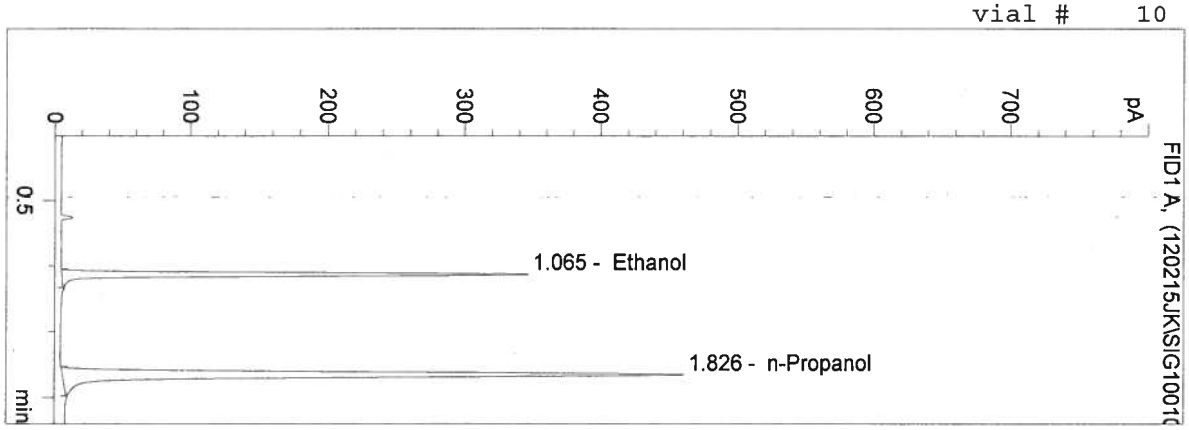
n-Propanol 1.000 g/100ml

12007

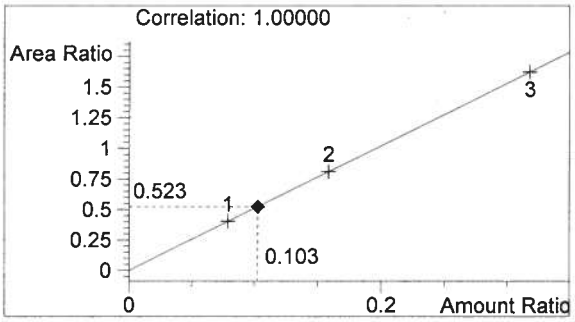
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:38:03 PM 12007-1
Instrument 3 Justin Knoy
DB-ALC2

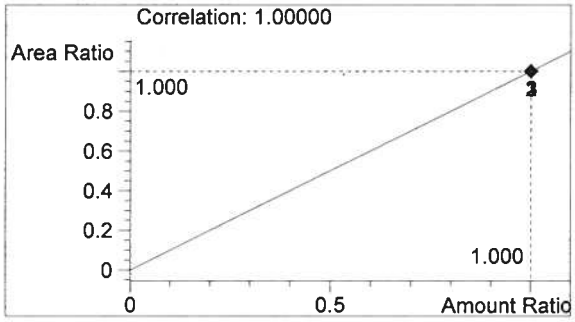
vial # 10



#	Compound	Area	RT
1	Ethanol	665	1.065
2	n-Propanol	1271	1.826
Totals:			



Ethanol 0.103 g/100ml



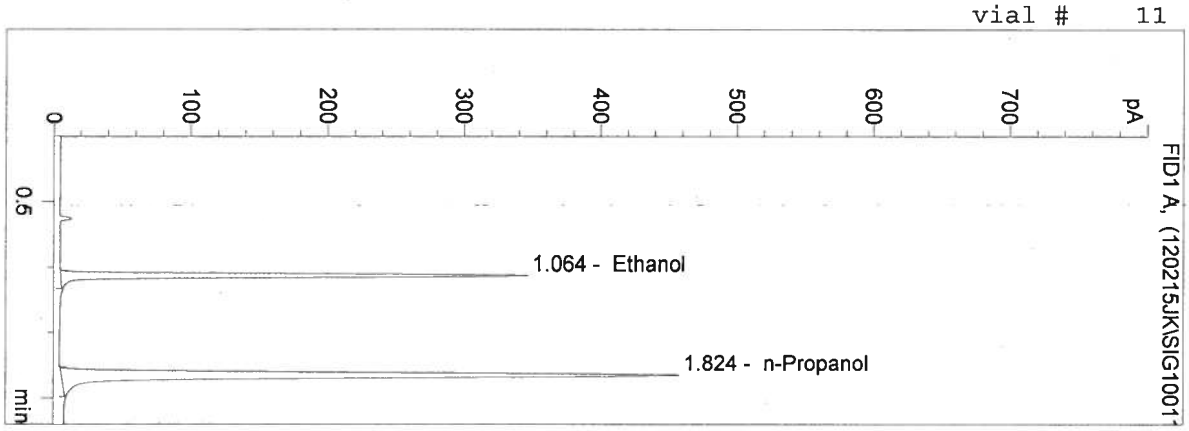
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:41:10 PM
Instrument 3
DB-ALC2

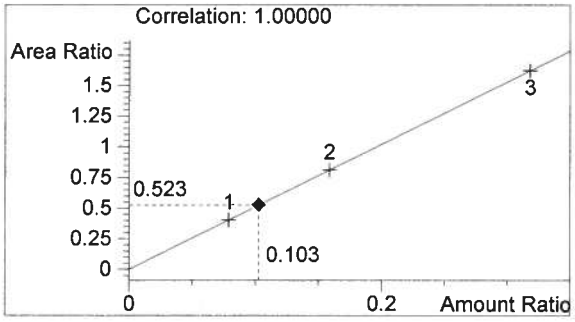
12007-2
Justin Knoy

vial # 11

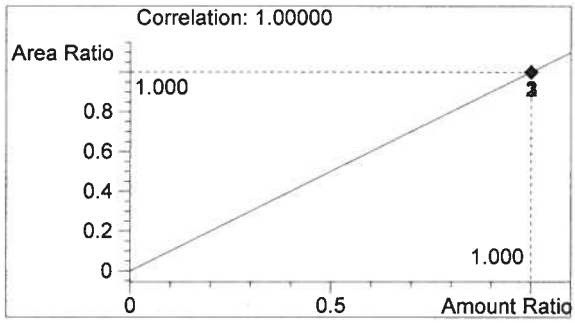


#	Compound	Area	RT
1	Ethanol	659	1.064
2	n-Propanol	1259	1.824

Totals:



Ethanol 0.103 g/100ml



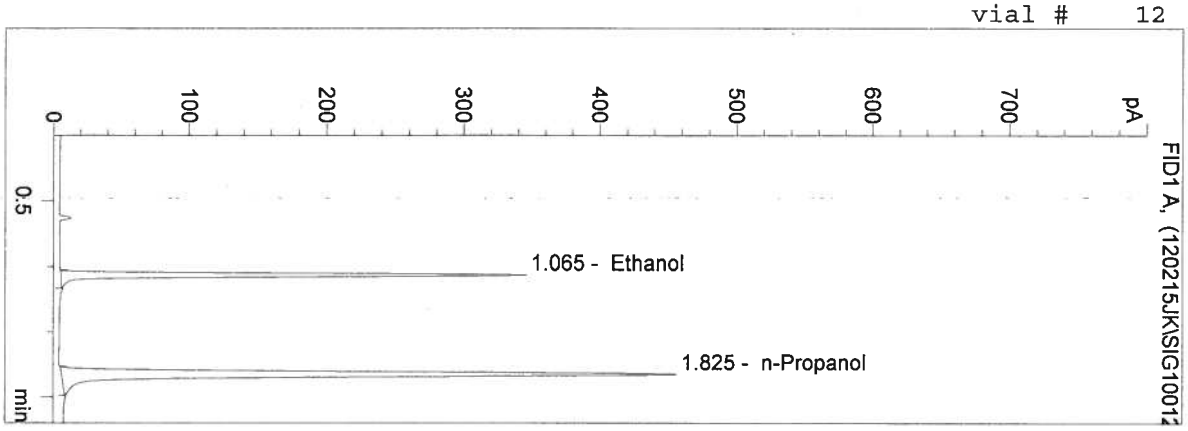
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:44:17 PM
Instrument 3
DB-ALC2

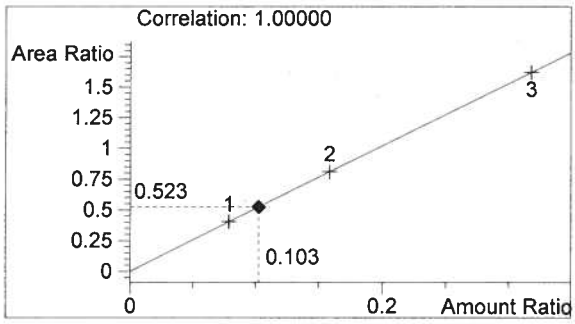
12007-3
Justin Knoy

vial # 12

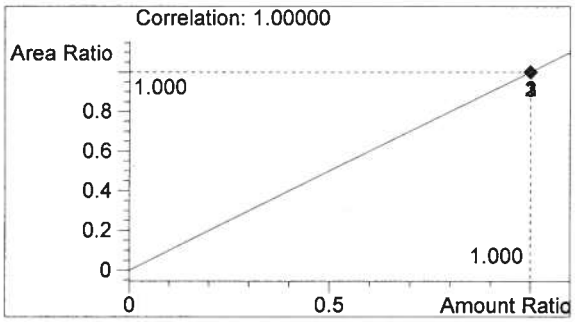


#	Compound	Area	RT
1	Ethanol	653	1.065
2	n-Propanol	1250	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

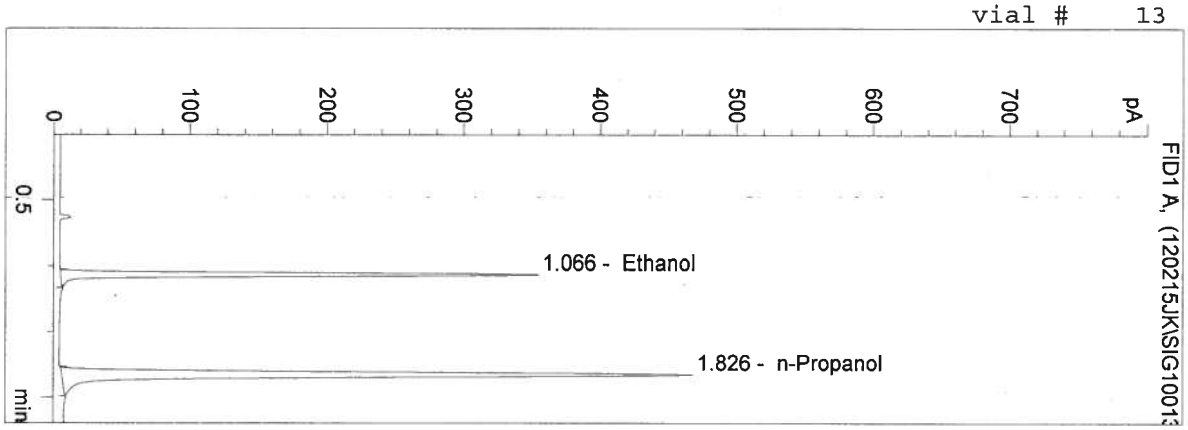
JK

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:47:24 PM
Instrument 3
DB-ALC2

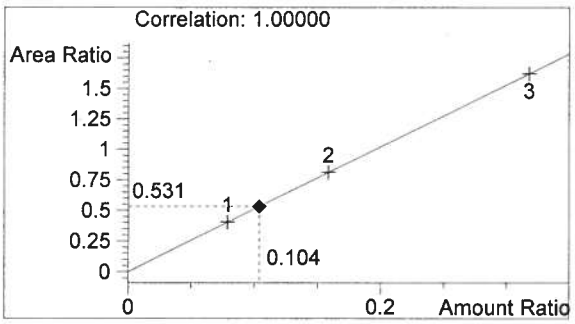
12007-4
Justin Knoy

vial # 13

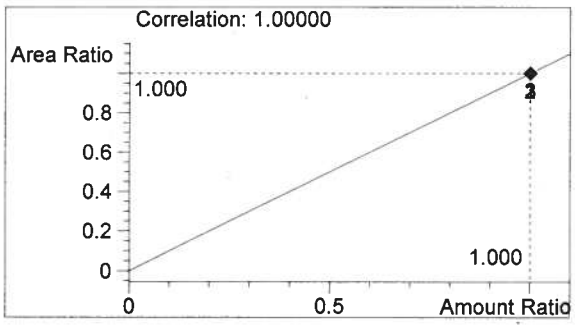


#	Compound	Area	RT
1	Ethanol	684	1.066
2	n-Propanol	1287	1.826

Totals:



Ethanol 0.104 g/100ml



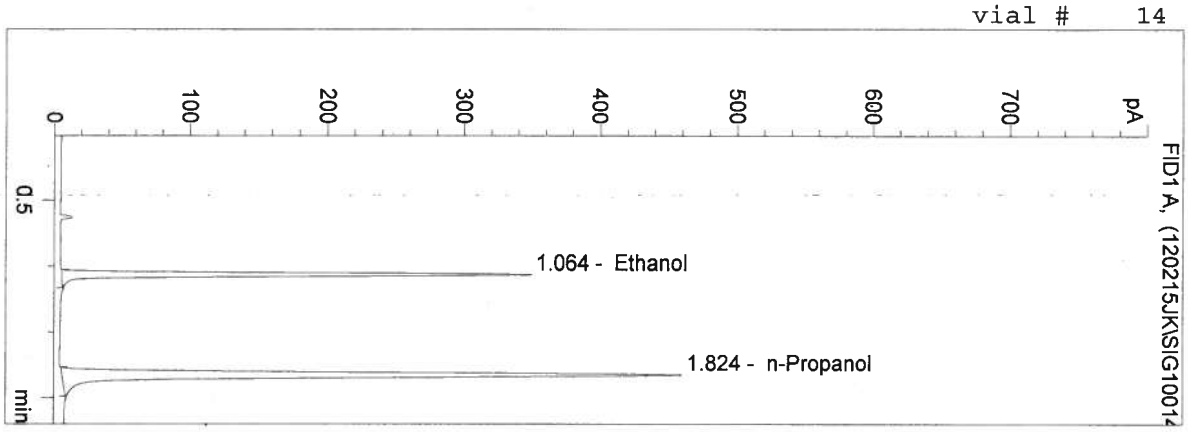
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

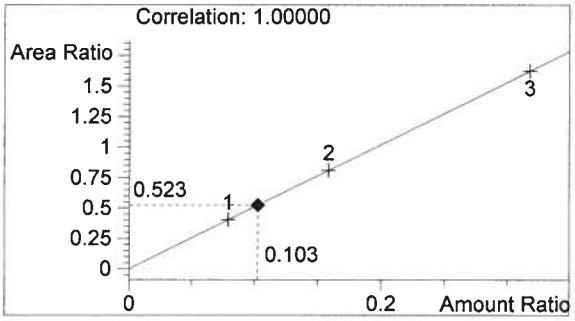
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:50:32 PM
Instrument 3
DB-ALC2

12007-5
Justin Knoy

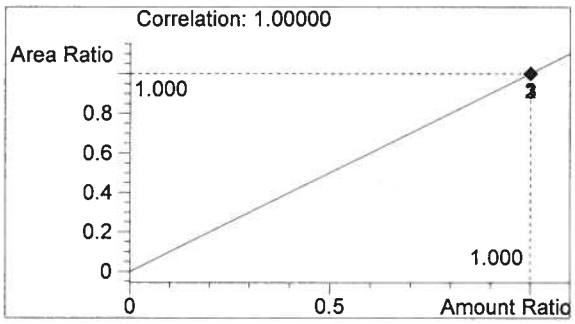
vial # 14



#	Compound	Area	RT
1	Ethanol	659	1.064
2	n-Propanol	1261	1.824
Totals:			



Ethanol 0.103 g/100ml



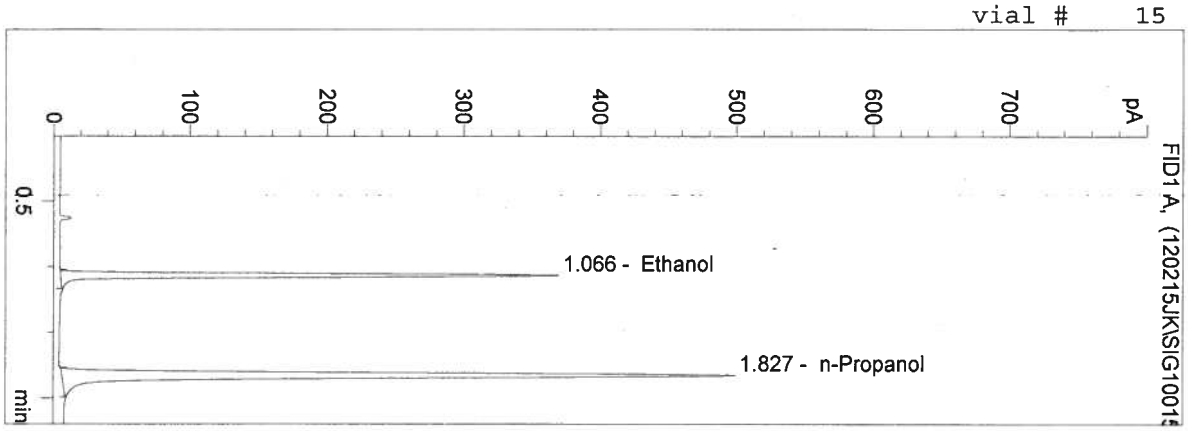
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

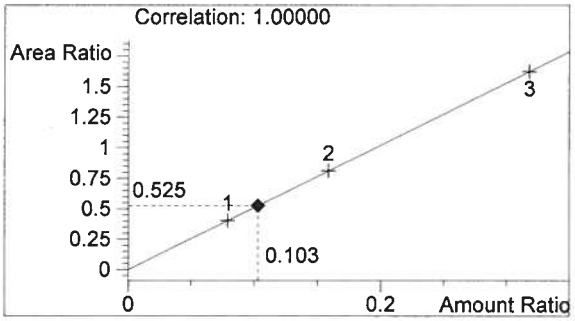
C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:53:39 PM
Instrument 3
DB-ALC2

0.10 CTRL JK
Justin Knoy

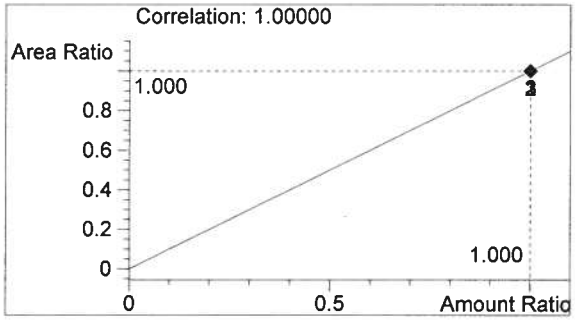
vial # 15



#	Compound	Area	RT
1	Ethanol	721	1.066
2	n-Propanol	1373	1.827
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

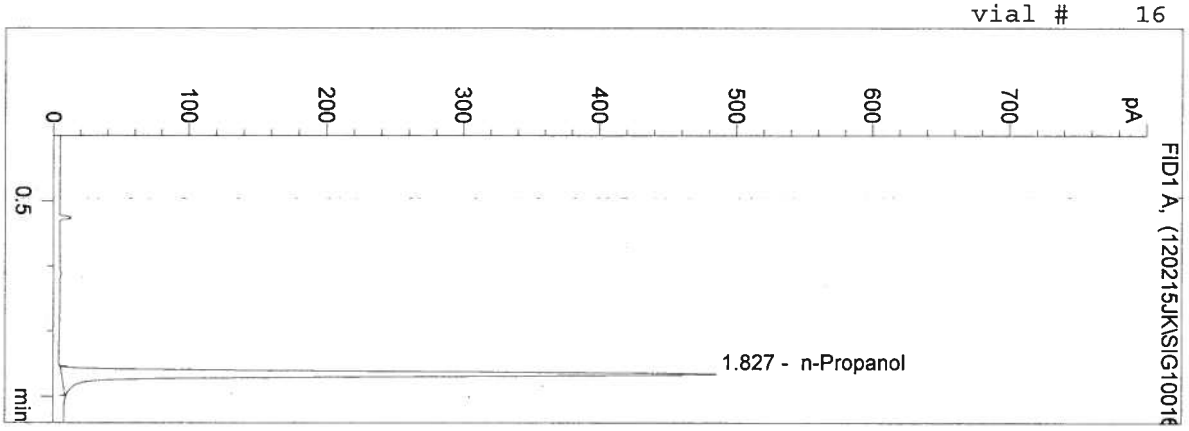
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/15/2012 12:56:46 PM
Instrument 3
DB-ALC2

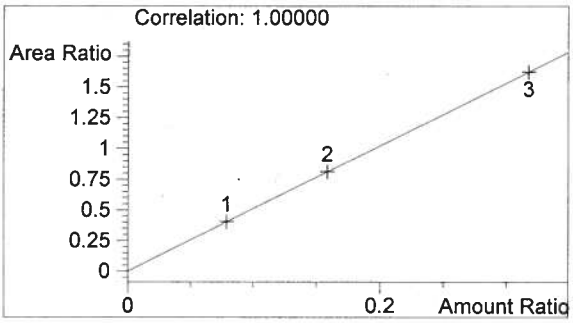
NEG CTRL JK
Justin Knoy

vial # 16

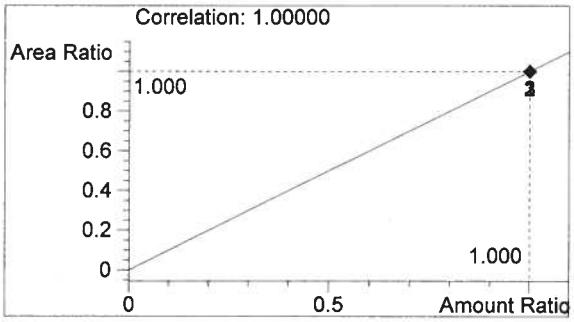


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1338	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

Sequence: C:\HPCHEM\2\SEQUENCE\AL-FSS3.S

Sequence Parameters:

Operator:	asa louis
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120216A2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0112-01 exp 04/29/2012
cal 2 e0112-02 exp 04/29/2012
cal 3 e0112-03 exp 04/29/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014

AL 2012 FEB 16

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC3	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC3	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC3	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC3	1	Calib		
5	Vial 5	neg control - al	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC3	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC3	1	Ctrl Samp		
10	Vial 10	12007 #1	SIMALC3	1	Sample		
11	Vial 11	12007 #2	SIMALC3	1	Sample		
12	Vial 12	12007 #3	SIMALC3	1	Sample		
13	Vial 13	12007 #4	SIMALC3	1	Sample		
14	Vial 14	12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC3	1	Ctrl Samp		

AL 2012 FEB 16

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Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC3	3	Replace	Replace	

12007

Sequence Table (Back Injector):

No entries - empty table!

AL
2012 FEB 16
AL
2012 FEB 21

12007

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Thursday, February 16, 2012 9:23:30 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1	1	7.90200e-2	516.07550	1.53117e-4	1		Ethanol
		2	1.58720e-1	1014.84454	1.56398e-4			
		3	3.17800e-1	2036.21021	1.56074e-4			
1.824	1	1	1.00000	1273.42712	7.85282e-4	I1		n-Propanol
		2	1.00000	1252.77063	7.98231e-4			
		3	1.00000	1256.95447	7.95574e-4			

Peak Sum Table

No Entries in table

A 2012 FEB 16

A 2012 FEB 21

12007

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Calibration Curves

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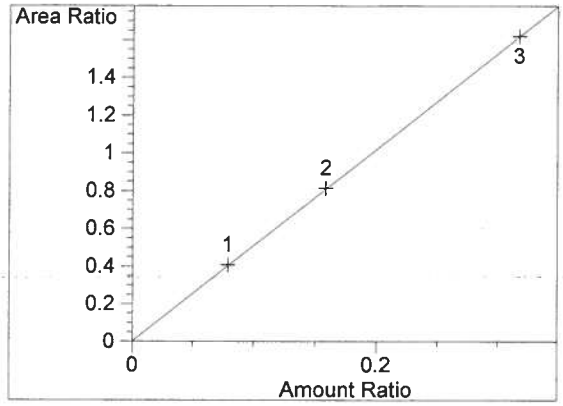
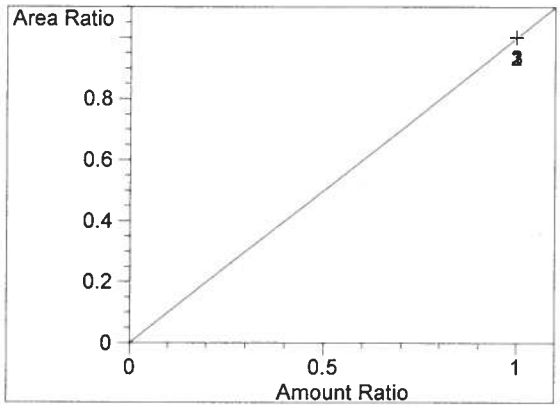


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00138
Formula: y = mx + b
m: 5.09510
b: 1.19240e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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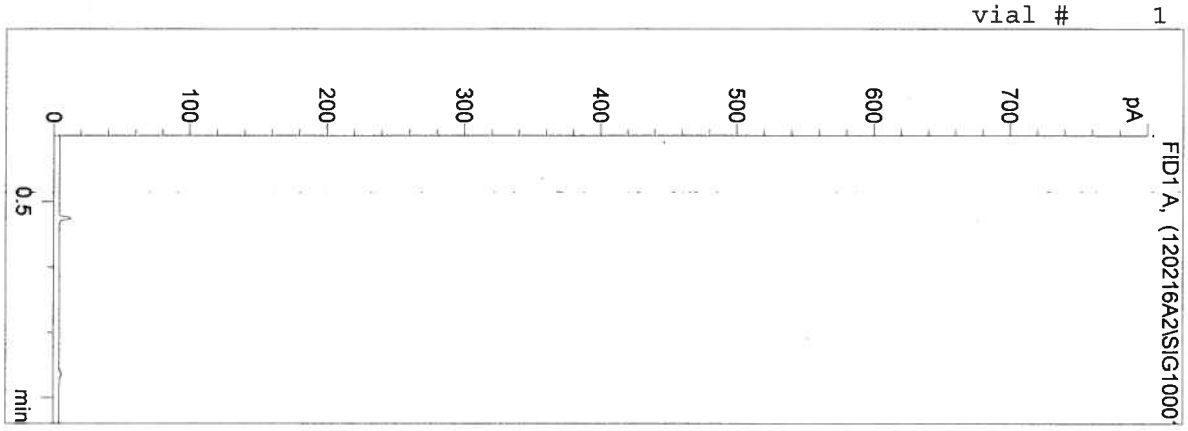
A
2012 FEB 16
AL
2012 FEB 21
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:11:56 AM
Instrument 3
DB-ALC2

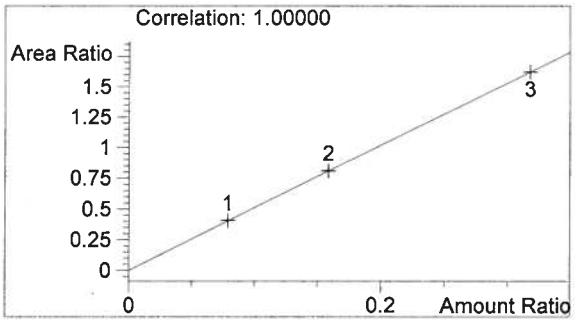
blank
asa louis

vial # 1

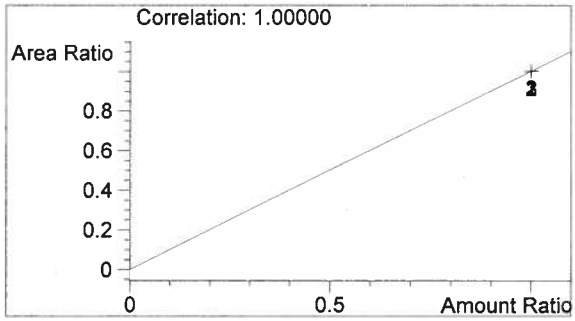


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

A
2012 FEB 16

A
2012 FEB 21

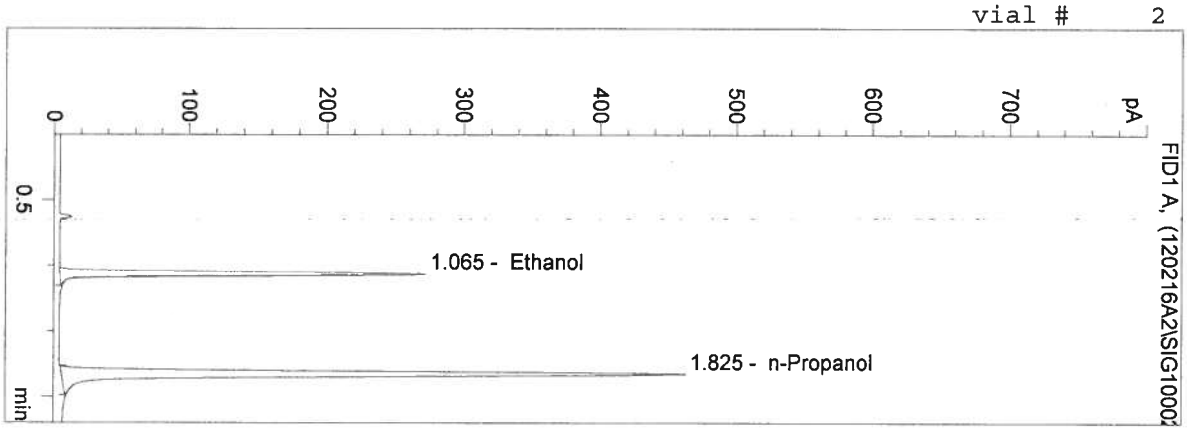
1 2 0 G7.

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:15:03 AM
Instrument 3
DB-ALC2

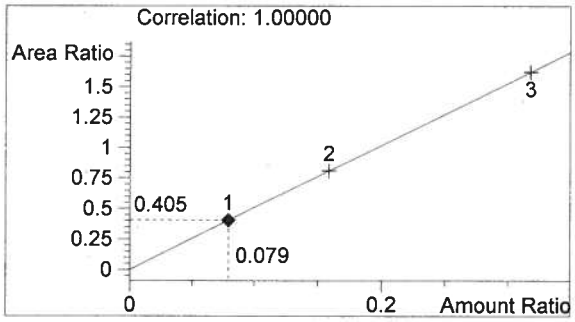
0.079 cal 1
asa louis

vial # 2

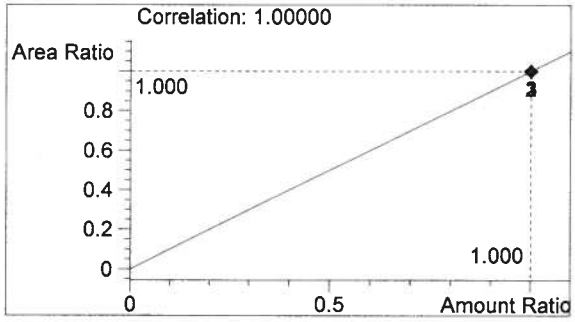


#	Compound	Area	RT
1	Ethanol	516	1.065
2	n-Propanol	1273	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

DL
2012 FEB 16

DL
2012 FEB 21

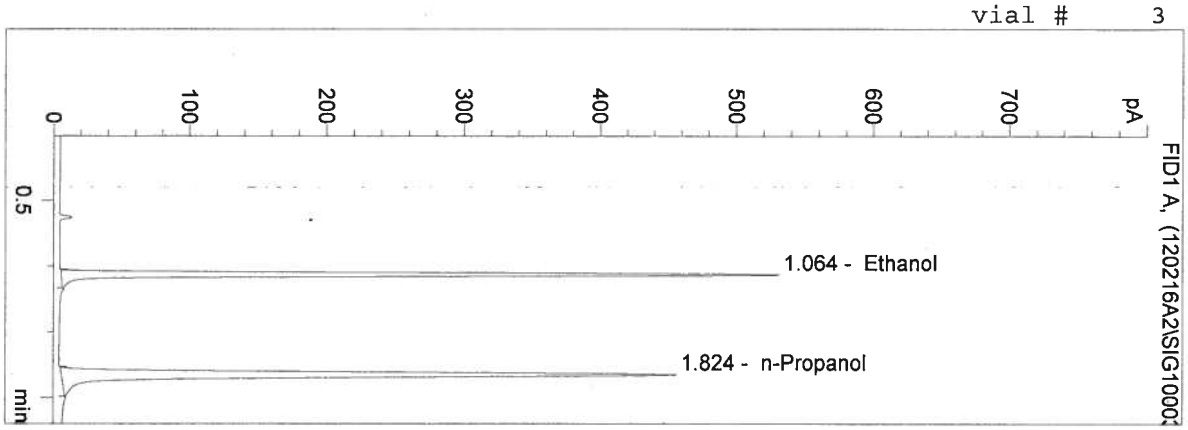
12 007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:18:10 AM
Instrument 3
DB-ALC2

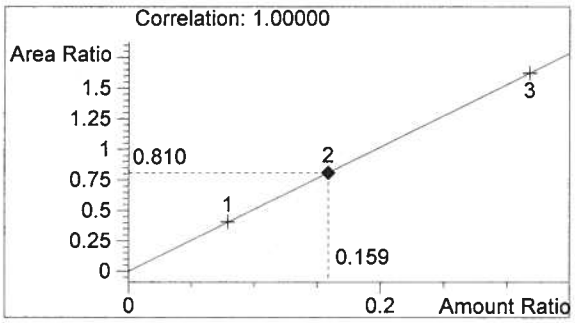
0.158 cal 2
asa louis

vial # 3

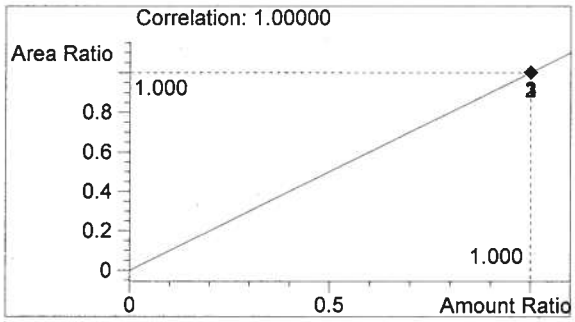


#	Compound	Area	RT
1	Ethanol	1015	1.064
2	n-Propanol	1253	1.824

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

AL
2012FEB16

AL
2012FEB21

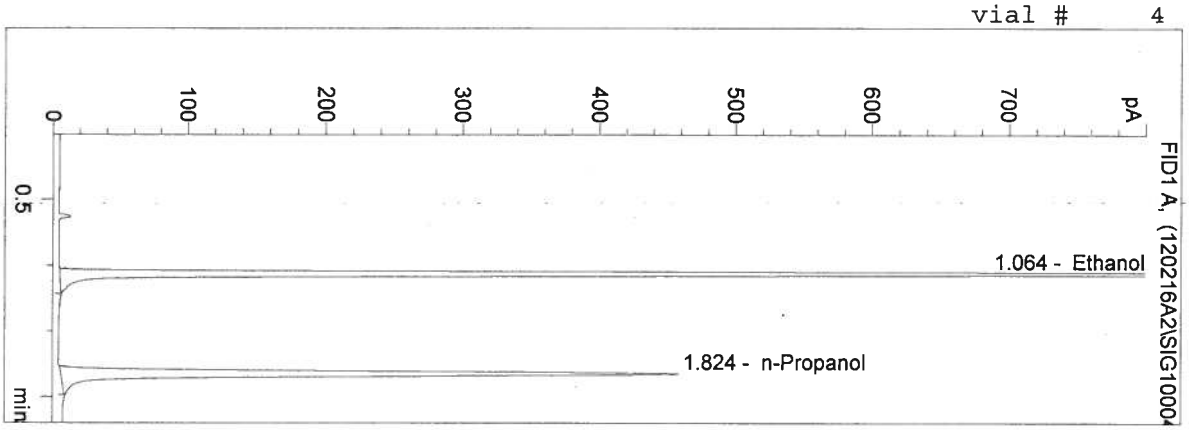
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:21:17 AM
Instrument 3
DB-ALC2

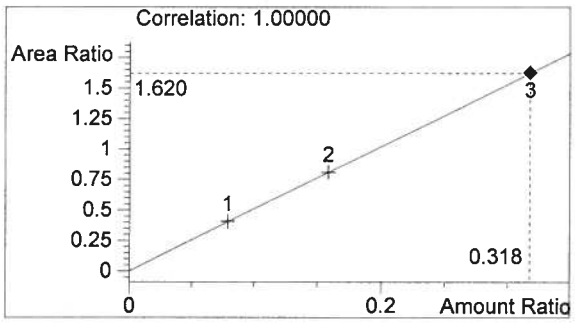
0.316 cal 3
asa louis

vial # 4

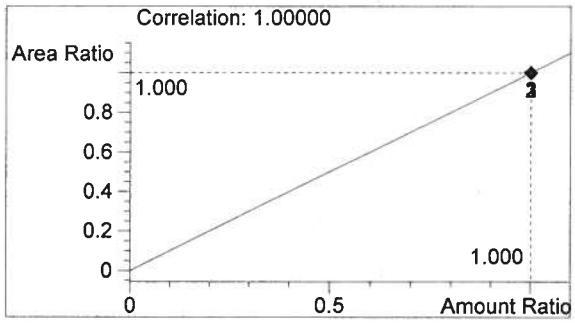


#	Compound	Area	RT
1	Ethanol	2036	1.064
2	n-Propanol	1257	1.824

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

2012 FEB 16

2012 FEB 21

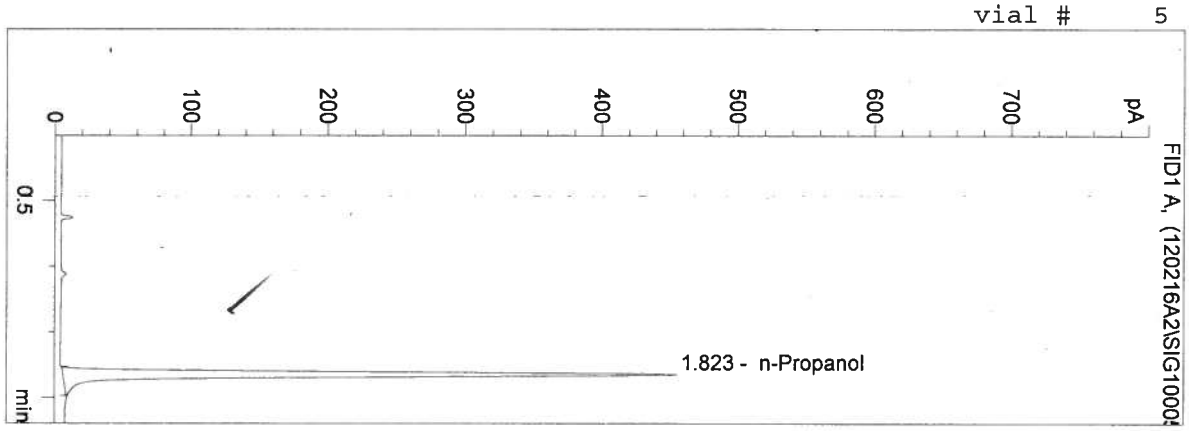
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:24:25 AM
Instrument 3
DB-ALC2

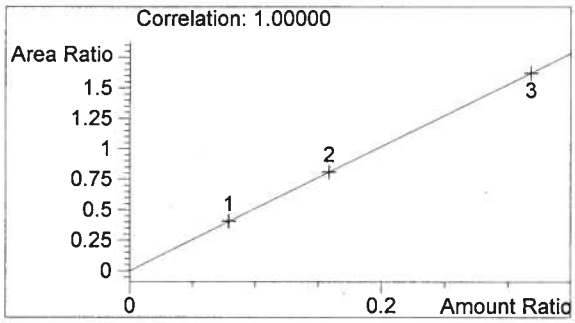
neg control - al
asa louis

vial # 5

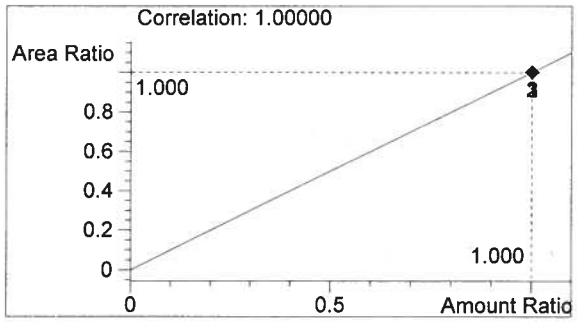


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1244	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

A
2012 FEB 21

A
2012 FEB 16

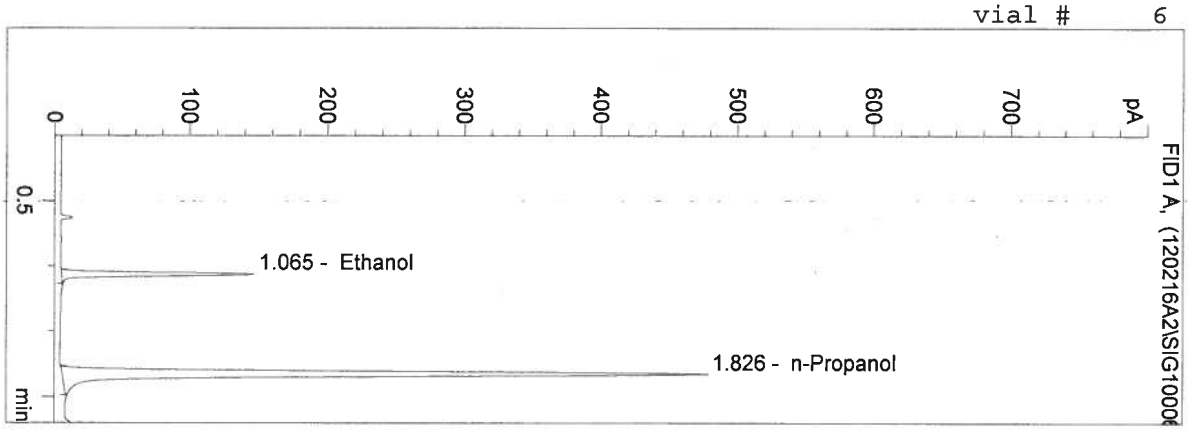
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:27:32 AM
Instrument 3
DB-ALC2

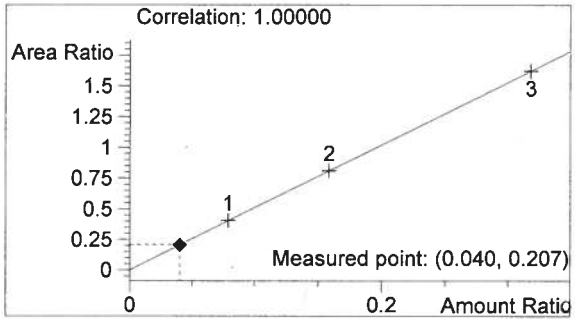
0.04 ctrl al
asa louis

vial # 6

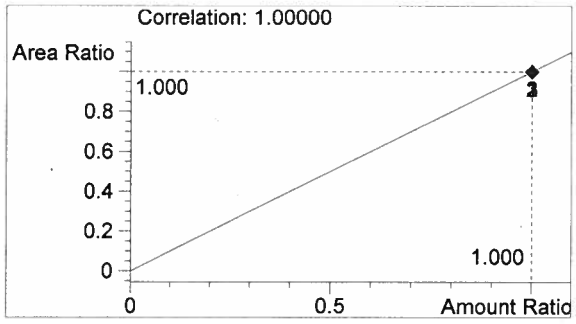


#	Compound	Area	RT
1	Ethanol	272	1.065
2	n-Propanol	1312	1.826

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

A 2012 FEB16

A 2012 FEB21

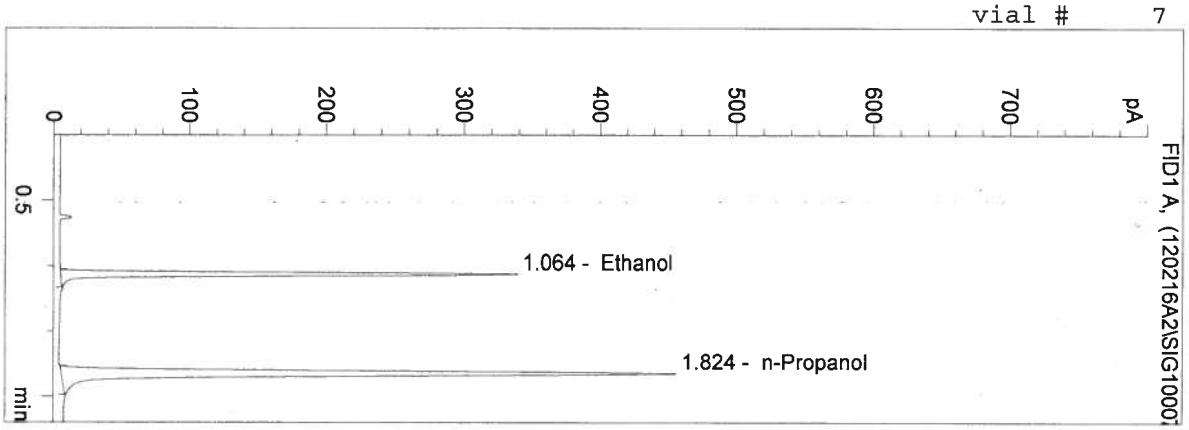
12007

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:30:39 AM
Instrument 3
DB-ALC2

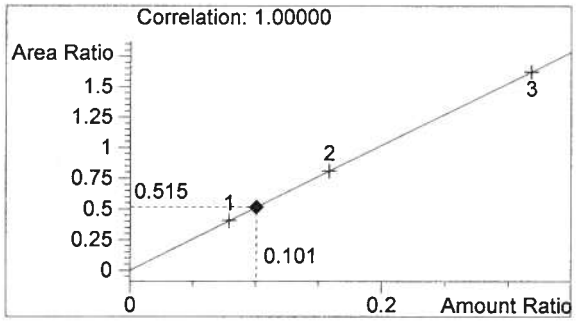
0.10 ctrl al
asa louis

vial # 7

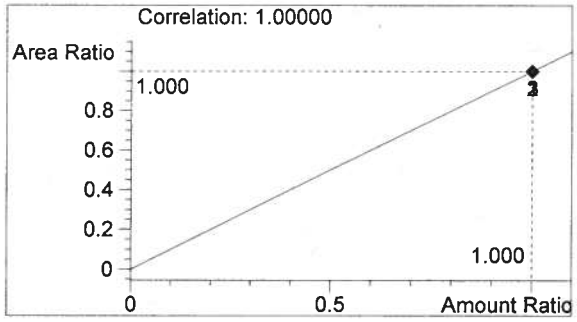


#	Compound	Area	RT
1	Ethanol	646	1.064
2	n-Propanol	1253	1.824

Totals:



Ethanol 0.101 g/100ml ✓



n-Propanol 1.000 g/100ml

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2012 FEB 16
AL 2012 FEB 21

12007

WASHINGTON STATE TOXICOLOGY LABORATORY

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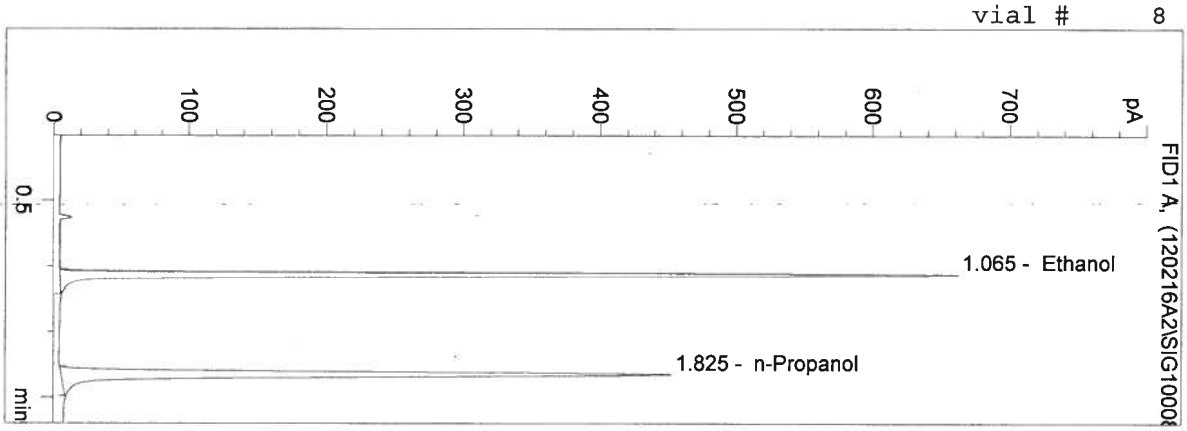
2/16/2012 9:33:46 AM
Instrument 3
DB-ALC2

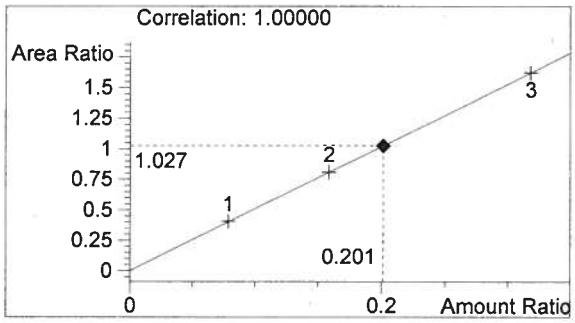
0.20 ctrl al
asa louis

vial # 8

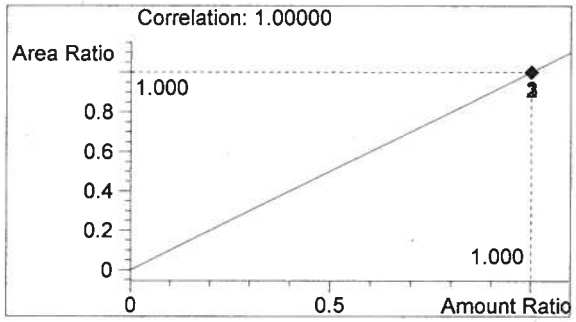


#	Compound	Area	RT
1	Ethanol	1277	1.065
2	n-Propanol	1244	1.825

Totals:



Ethanol 0.201 g/100ml



n-Propanol 1.000 g/100ml

2012 FEB 16
2012 FEB 21
12007

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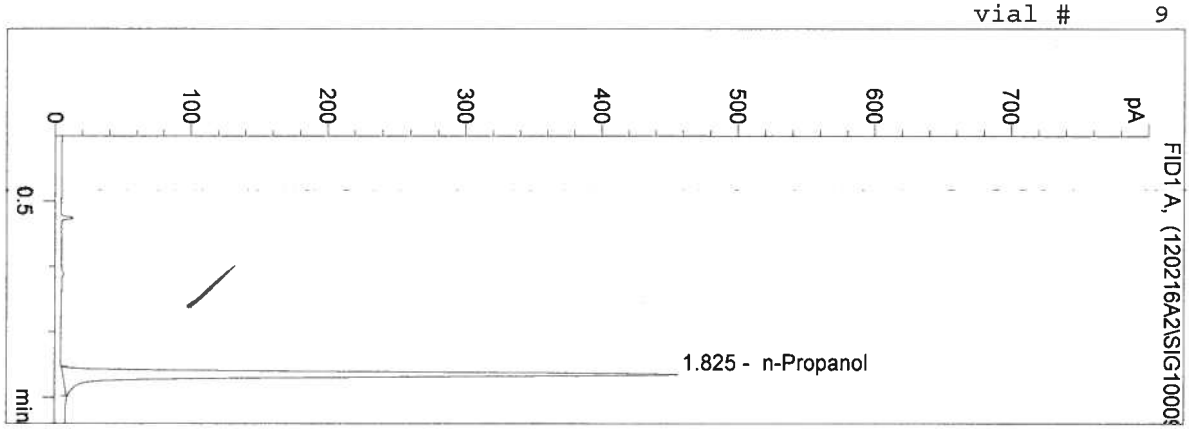
2/16/2012 9:36:53 AM
Instrument 3
DB-ALC2

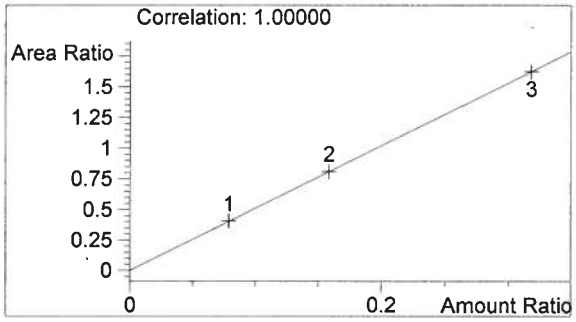
neg control - al
asa louis

vial # 9

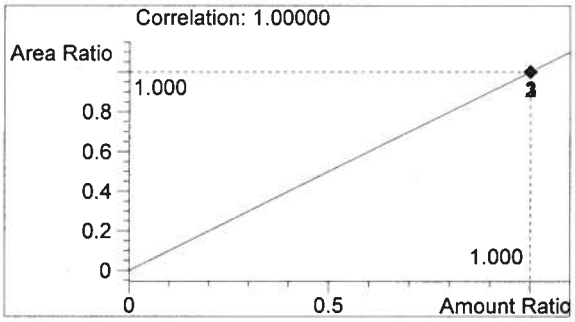


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1251	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16

A 2012 FEB 21

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WASHINGTON STATE TOXICOLOGY LABORATORY

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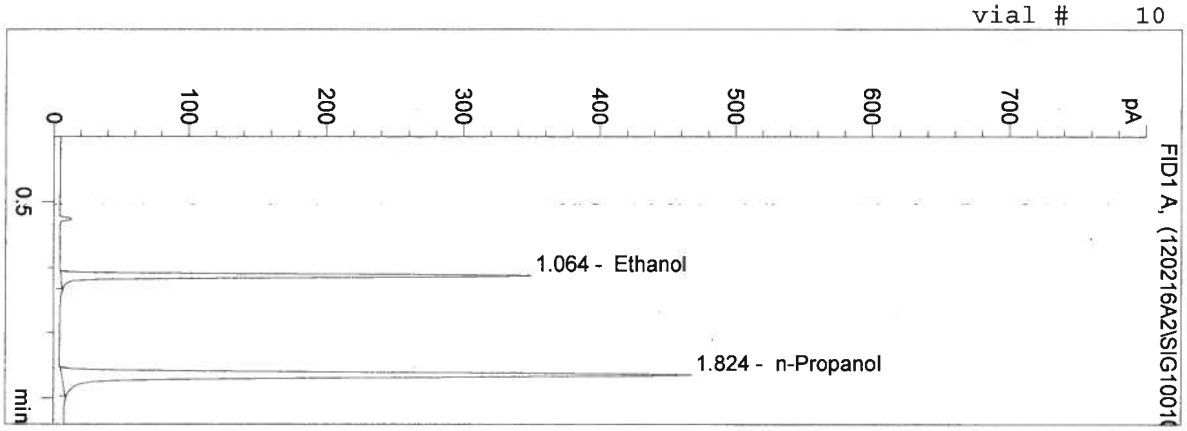
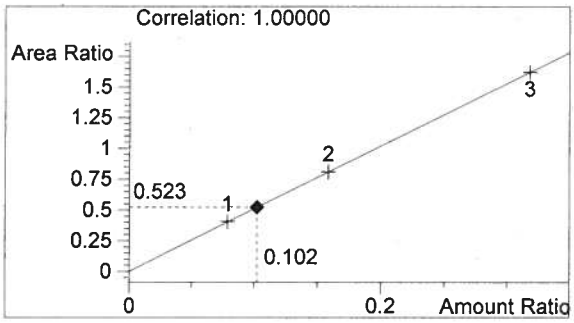
2/16/2012 9:40:01 AM
Instrument 3
DB-ALC2

12007 #1
asa louis

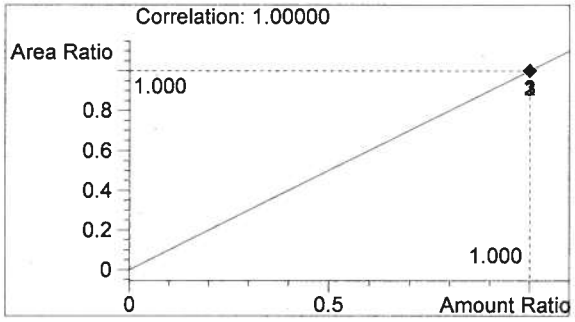
vial # 10



#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1285	1.824
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

2012 FEB 16

2012 FEB 21

WASHINGTON STATE TOXICOLOGY LABORATORY

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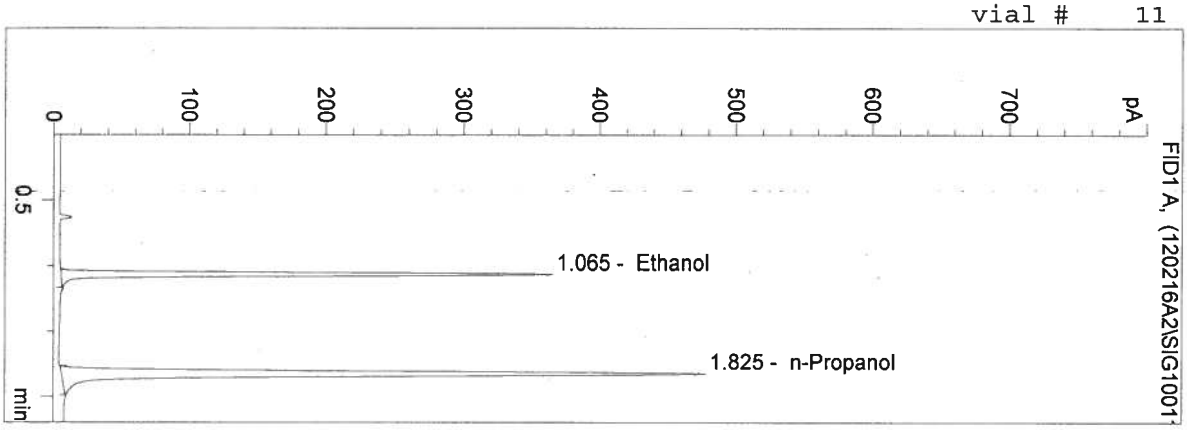
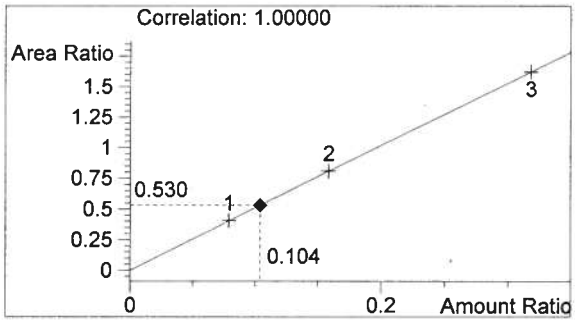
2/16/2012 9:43:08 AM
Instrument 3
DB-ALC2

12007 #2
asa louis

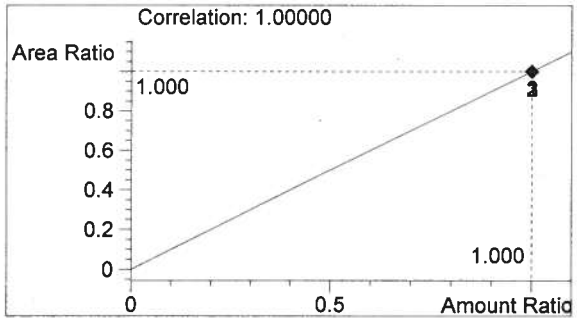
vial # 11



#	Compound	Area	RT
1	Ethanol	695	1.065
2	n-Propanol	1310	1.825
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16

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2012 FEB 21

WASHINGTON STATE TOXICOLOGY LABORATORY

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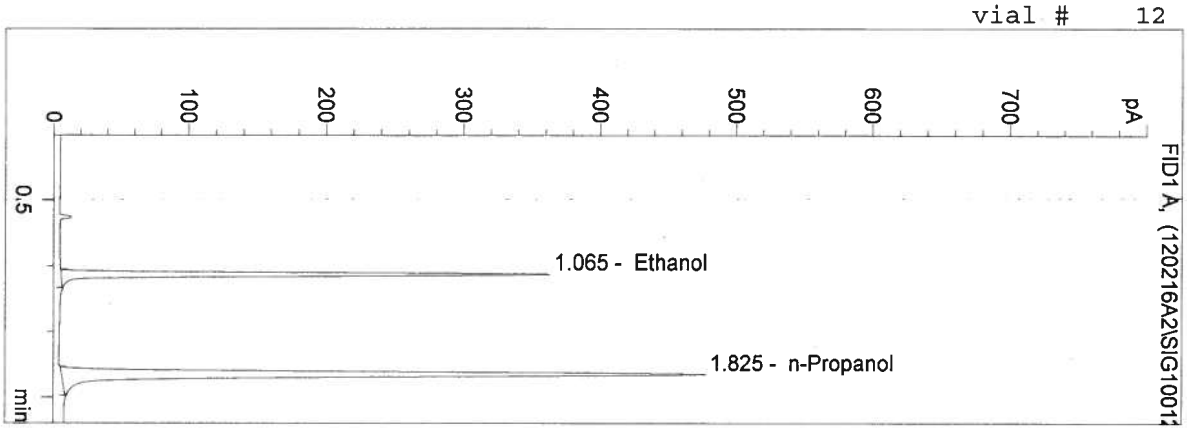
Instrument 3
DB-ALC2

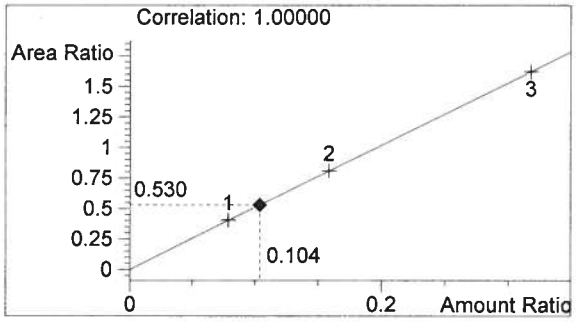
12007 #3
asa louis

vial # 12

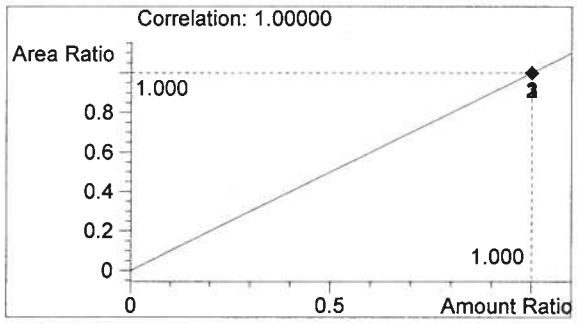


#	Compound	Area	RT
1	Ethanol	696	1.065
2	n-Propanol	1312	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

2012 FEB 16

2012 FEB 24

WASHINGTON STATE TOXICOLOGY LABORATORY

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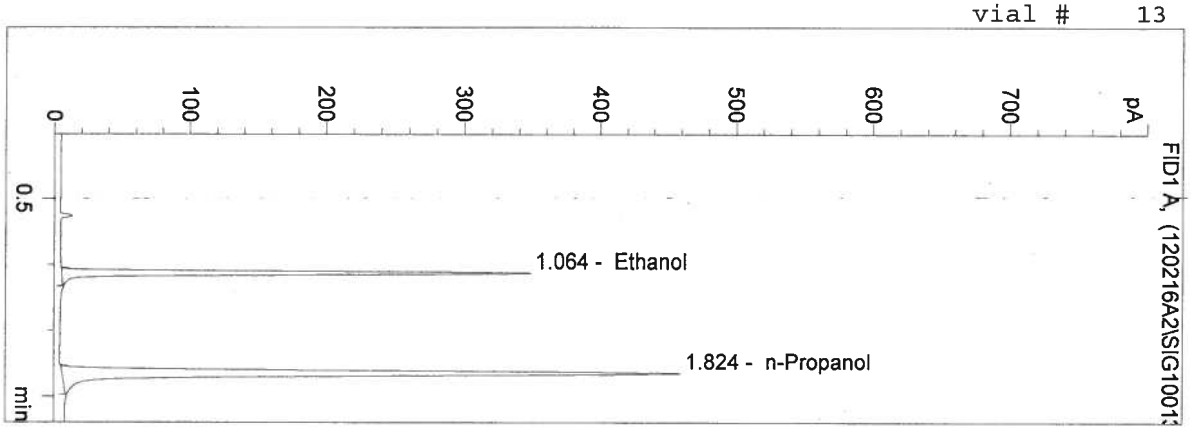
2/16/2012 9:49:23 AM
Instrument 3
DB-ALC2

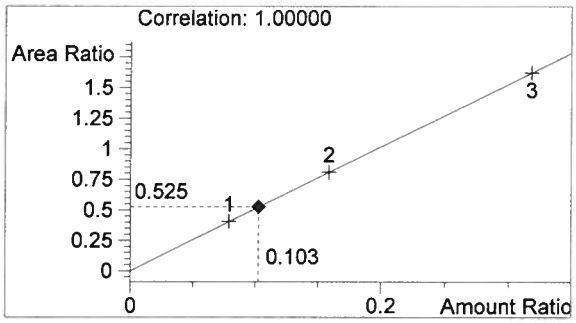
12007 #4
asa louis

vial # 13

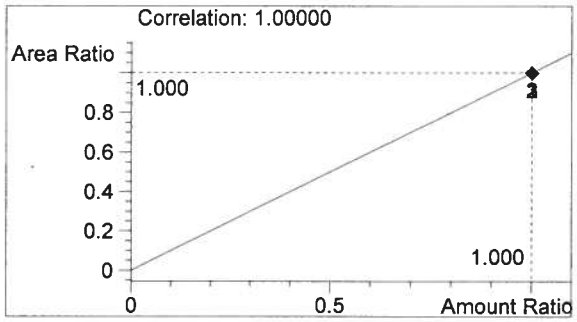


#	Compound	Area	RT
1	Ethanol	662	1.064
2	n-Propanol	1261	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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2012 FEB 16

A
2012 FEB 21

WASHINGTON STATE TOXICOLOGY LABORATORY

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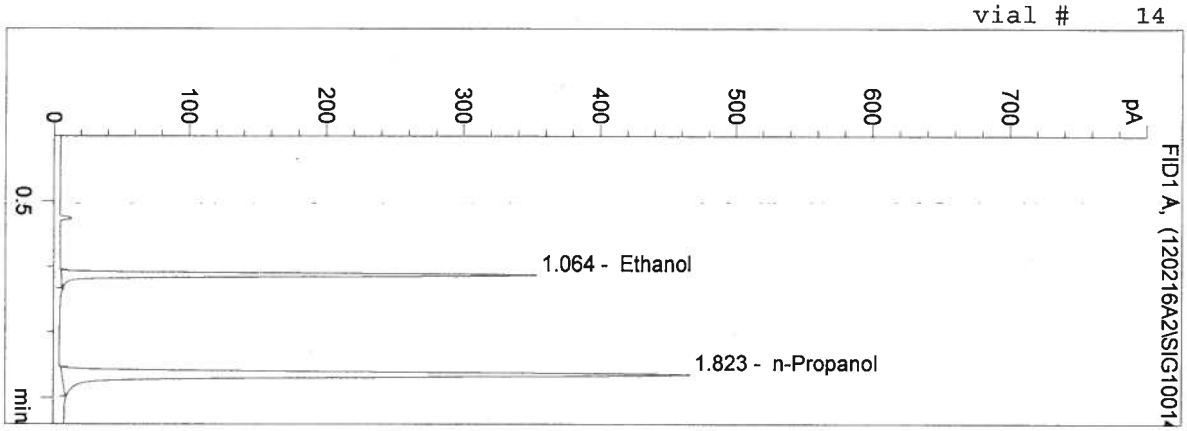
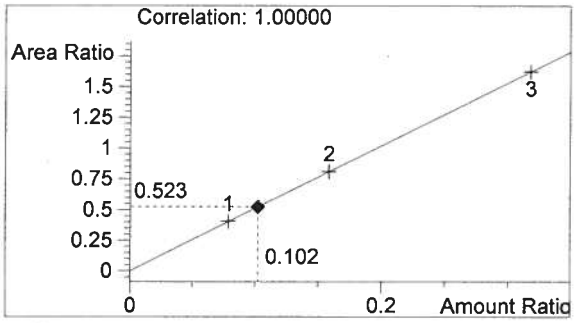
2/16/2012 9:52:30 AM
Instrument 3
DB-ALC2

12007 #5
asa louis

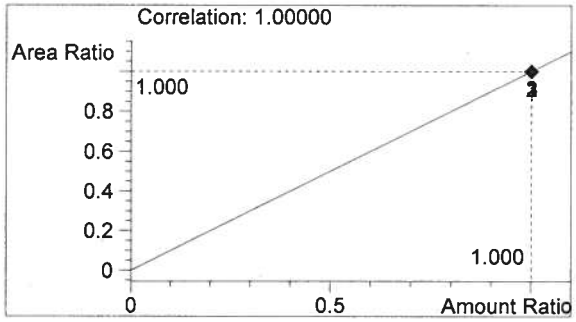
vial # 14



#	Compound	Area	RT
1	Ethanol	668	1.064
2	n-Propanol	1277	1.823
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

AK
2012 FEB 16

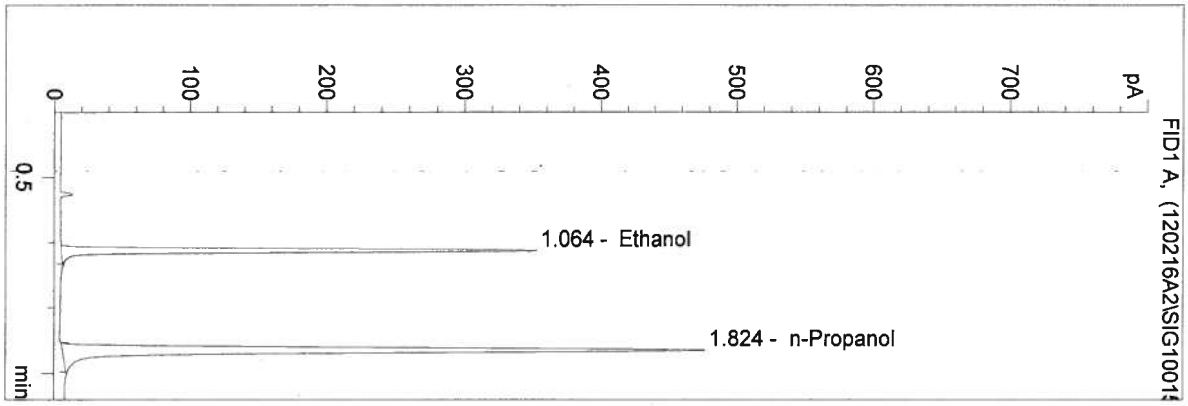
AK
2012 FEB 21

WASHINGTON STATE TOXICOLOGY LABORATORY

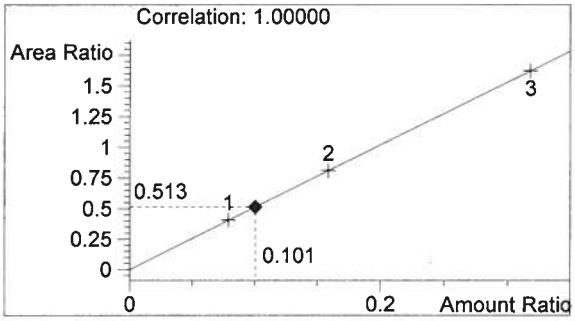
C:\HPCHEM\2\METHODS\SIMALC3.M
2/16/2012 9:55:37 AM
Instrument 3
DB-ALC2

0.10 ctrl al
asa louis

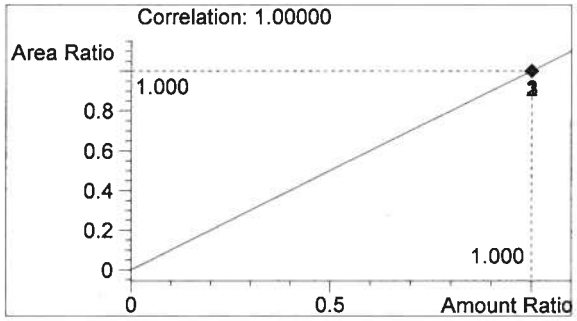
vial # 15



#	Compound	Area	RT
1	Ethanol	673	1.064
2	n-Propanol	1310	1.824
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 FEB 16

AL
2012 FEB 21

12007

WASHINGTON STATE TOXICOLOGY LABORATORY

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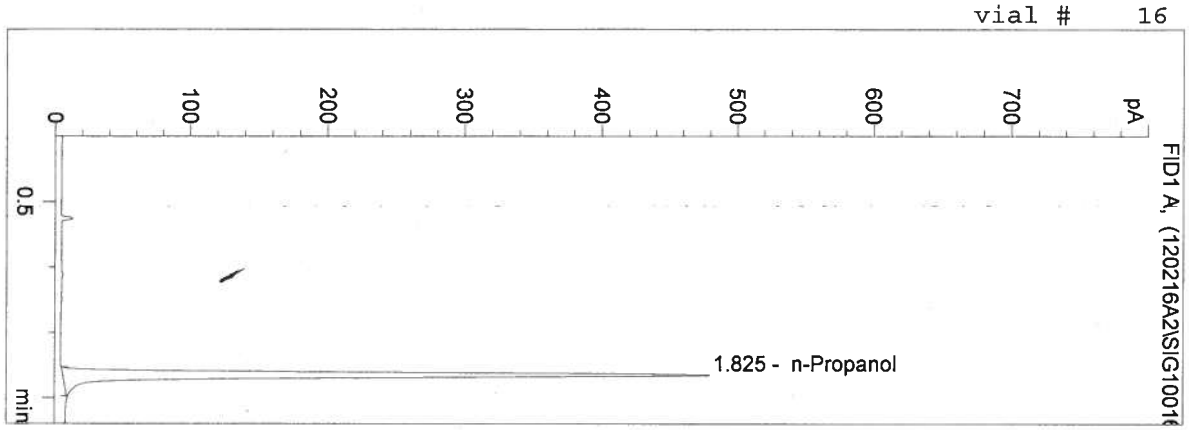
2/16/2012 9:58:44 AM
Instrument 3
DB-ALC2

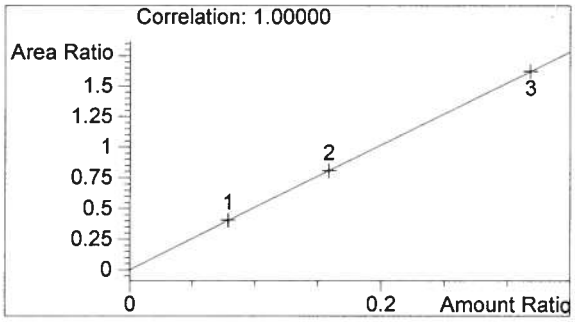
neg control - al
asa louis

vial # 16

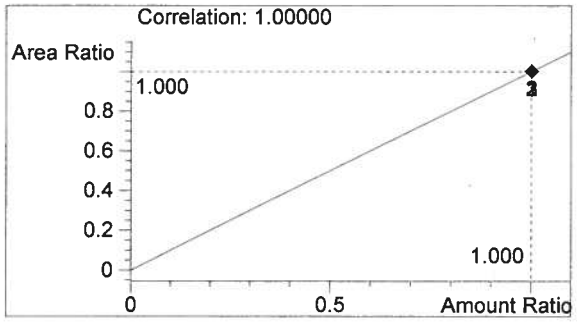


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1319	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

2012 FEB 16

2012 FEB 21

12007

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120216CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot # E0112-01 - exp 4/29/12
Cal 2- Lot # E0112-02 - exp 4/29/12
Cal 3- Lot # E0112-03 - exp 4/29/12

0.04 Control - Lot # A077459 - exp 02/~~2012~~ 2015 SHB 2/23/12
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Cal 1 Lot # E0112-01
3	Vial 3	Cal 2 Lot # E0112-02
4	Vial 4	Cal 3 Lot # E0112-03
5	Vial 5	
6	Vial 6	0.04 control lot# a077459 exp 02/~~2012~~ 2015 SHB 2/23/12
7	Vial 7	0.10 control lot# a075806 exp 11/2014
8	Vial 8	0.20 control lot# a076521 exp 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12007

CJ

Sequence: C:\HPCHEM\2\SEQUENCE\CJEXTST3.S

Line	Location	Sample Information
15	Vial 15	0.10 control lot# a075806 exp 11/2014
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 12007 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 12007 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 12007 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 12007 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 12007 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12007

CJ

Calibration Table

Calib. Data Modified : Thursday, February 16, 2012 7:21:40 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1	1	7.90200e-2	504.44183	1.56648e-4		1	Ethanol
		2	1.58720e-1	1025.24121	1.54812e-4			
		3	3.17800e-1	2044.06592	1.55474e-4			
1.826	1	1	1.00000	1246.03894	8.02543e-4	I1		n-Propanol
		2	1.00000	1269.26794	7.87856e-4			
		3	1.00000	1264.76697	7.90659e-4			

Peak Sum Table

No Entries in table

12007

C

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Calibration Curves

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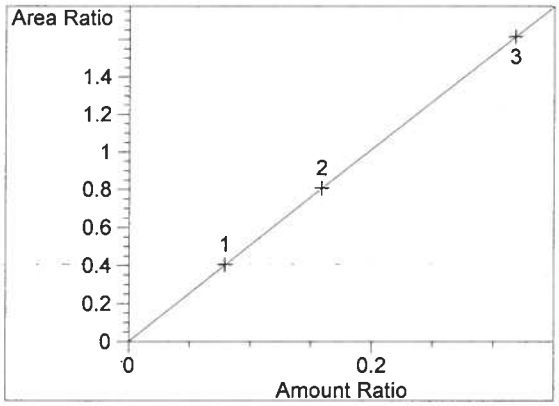
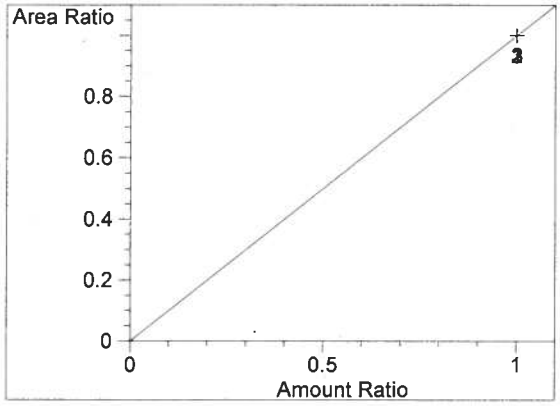


Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00167
Formula: y = mx + b
m: 5.08244
b: 1.31004e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.826
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12007

CJ

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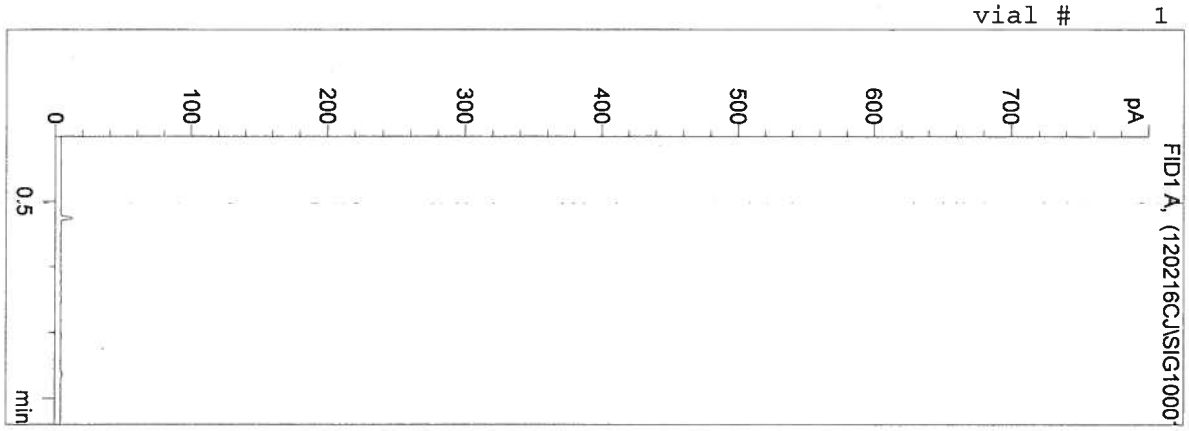
2/16/2012 7:10:05 PM
Instrument 3
DB-ALC2

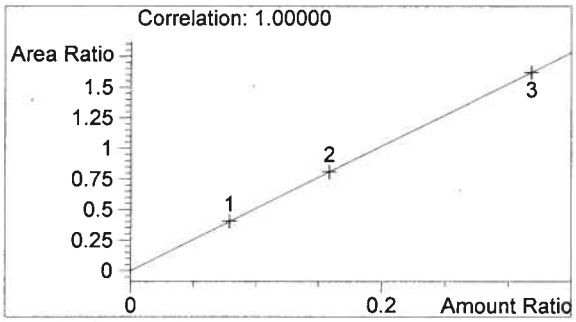
BLANK-CJ
Chris Johnston

vial # 1

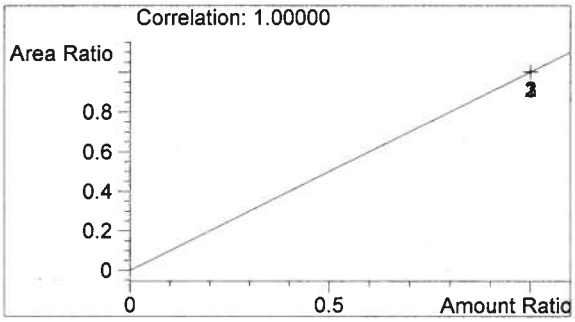


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12007

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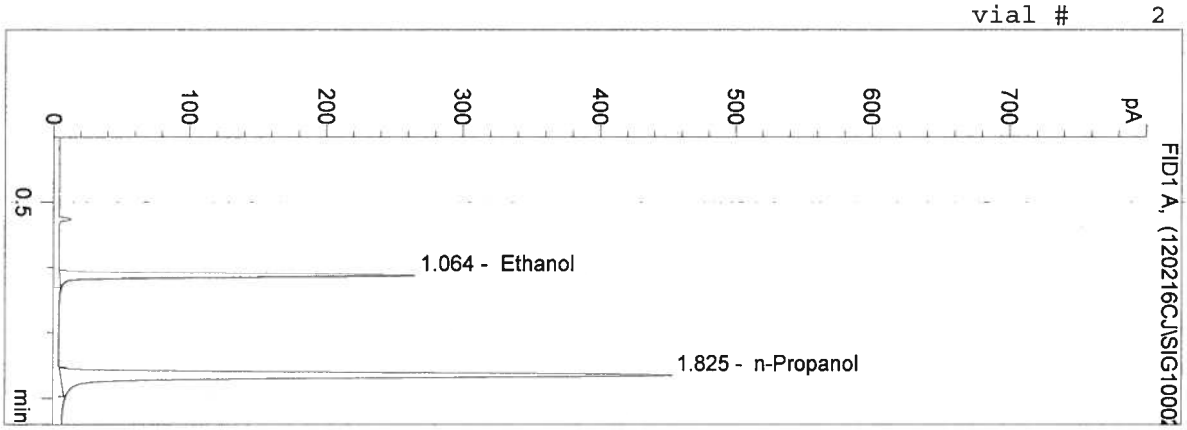
2/16/2012 7:13:13 PM
Instrument 3
DB-ALC2

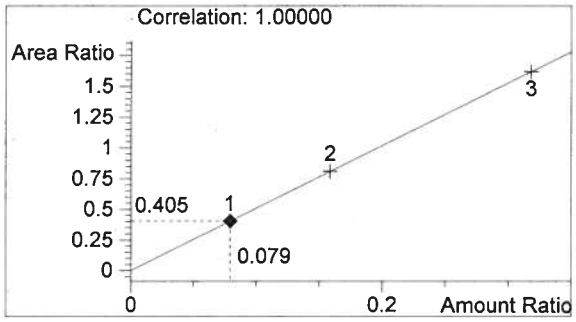
0.079 CAL 1
Chris Johnston

vial # 2

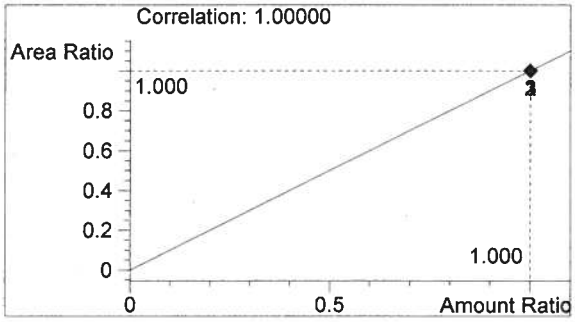


#	Compound	Area	RT
1	Ethanol	504	1.064
2	n-Propanol	1246	1.825

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

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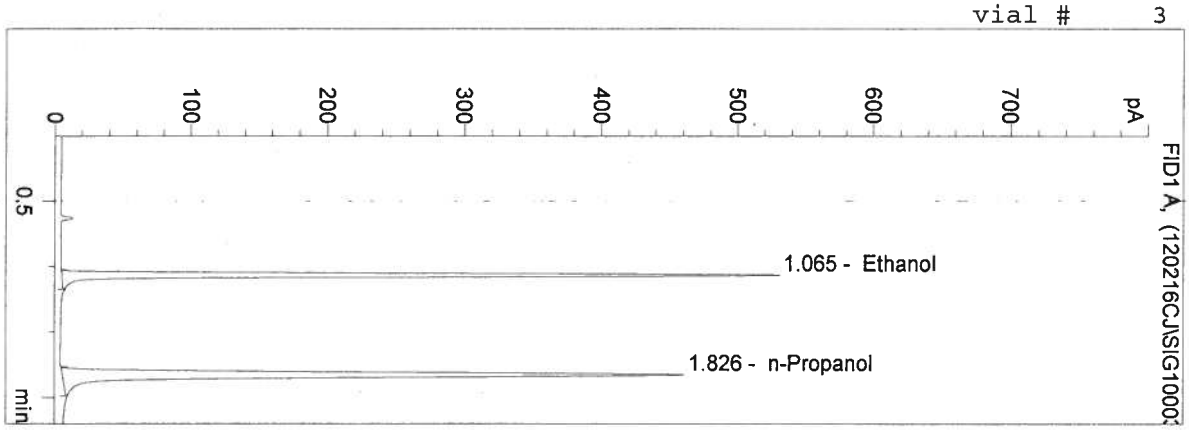
Instrument 3
DB-ALC2

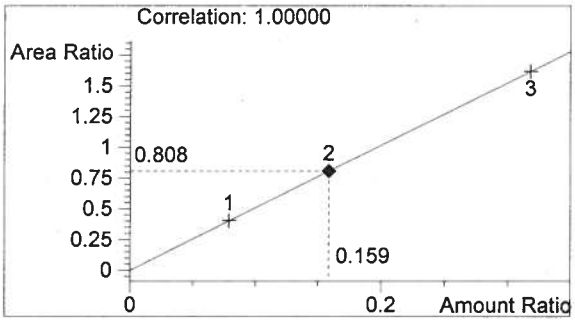
0.158 CAL 2
Chris Johnston

vial # 3

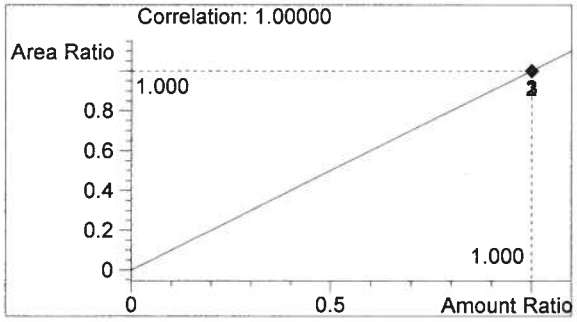


#	Compound	Area	RT
1	Ethanol	1025	1.065
2	n-Propanol	1269	1.826

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

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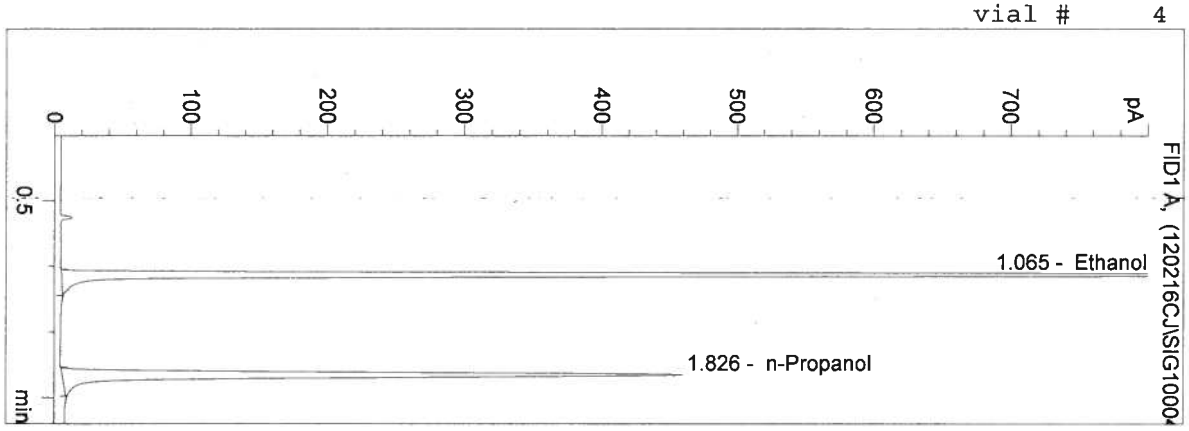
Instrument 3
DB-ALC2

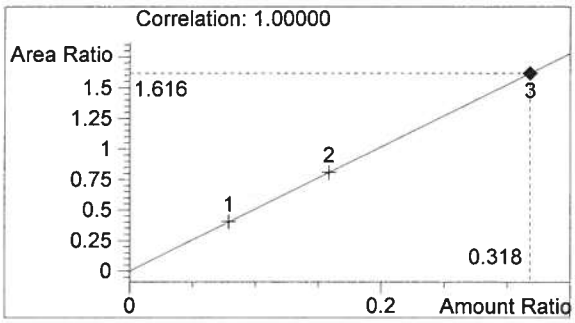
0.316 CAL 3
Chris Johnston

vial # 4

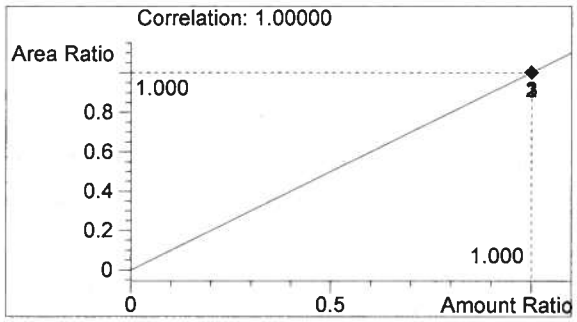


#	Compound	Area	RT
1	Ethanol	2044	1.065
2	n-Propanol	1265	1.826

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

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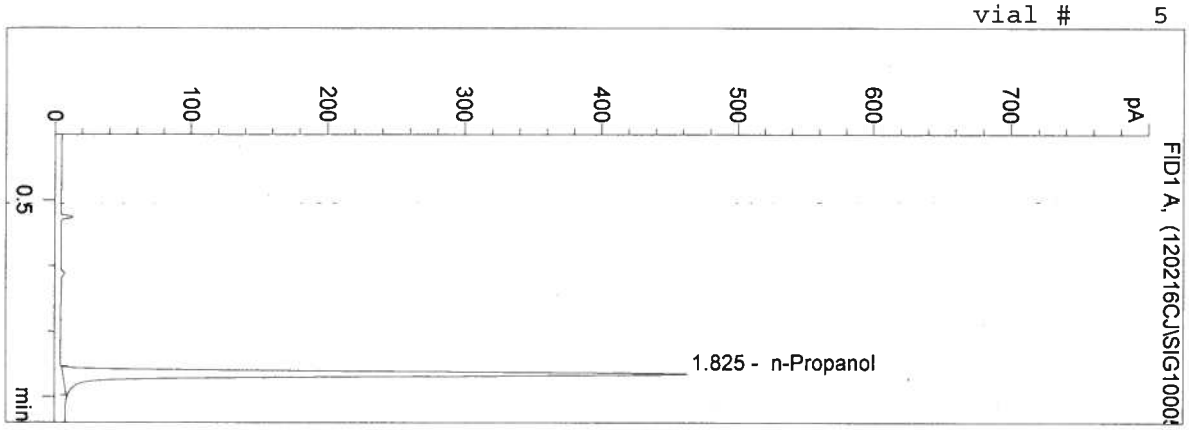
Instrument 3
DB-ALC2

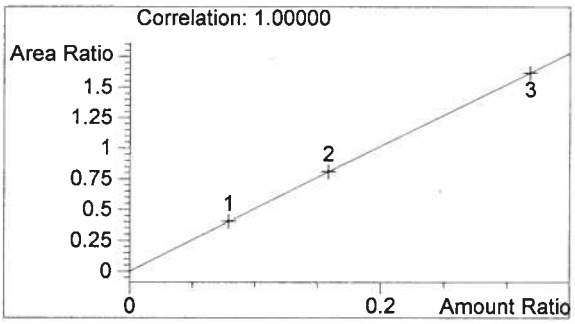
NEG CTRL-CJ
Chris Johnston

vial # 5

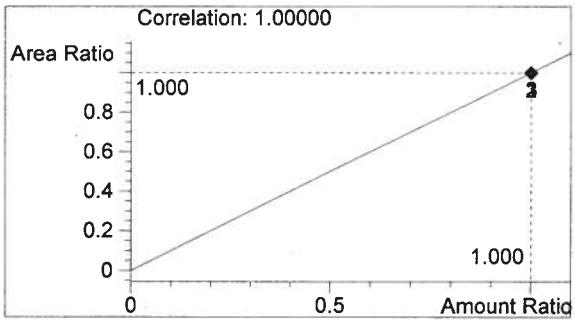


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1278	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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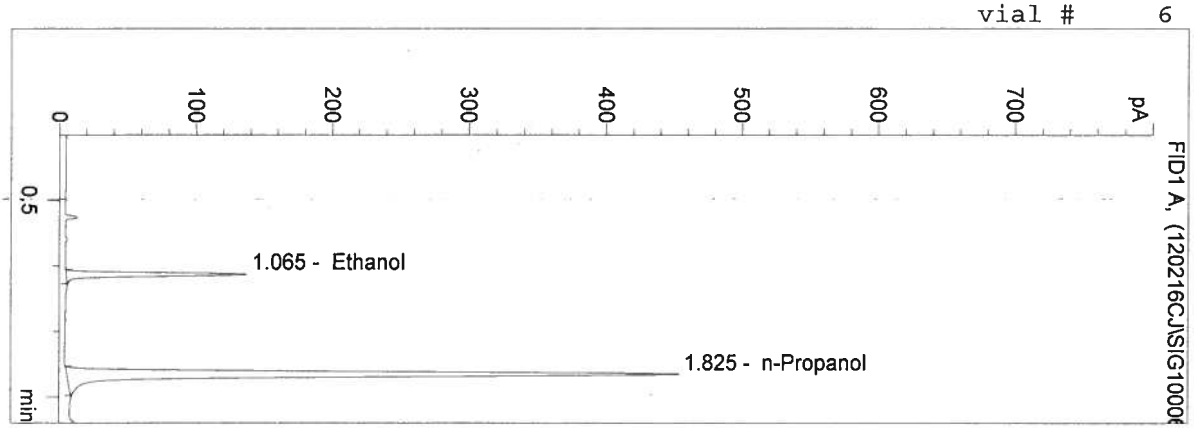
Instrument 3
DB-ALC2

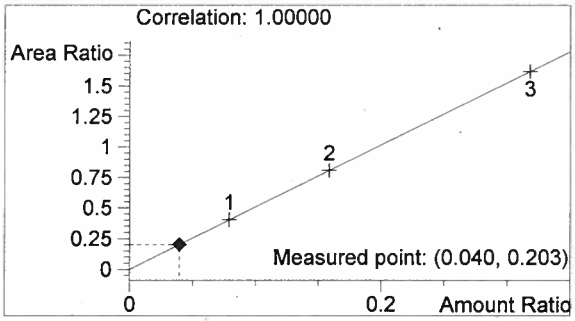
0.04 CTRL-CJ
Chris Johnston

vial # 6

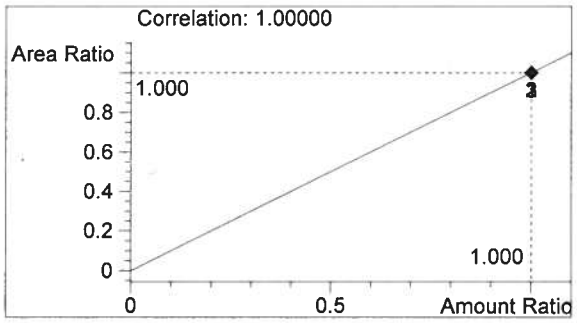


#	Compound	Area	RT
1	Ethanol	253	1.065
2	n-Propanol	1247	1.825

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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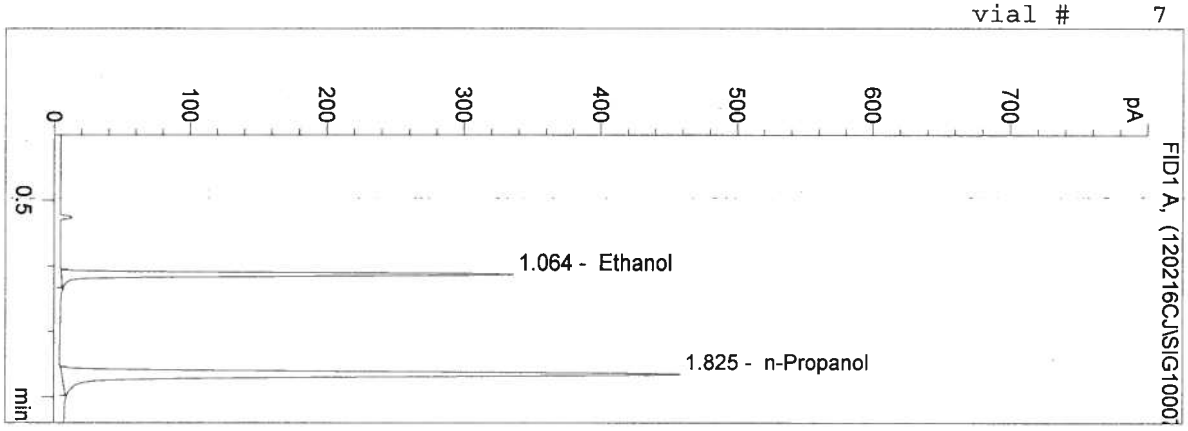
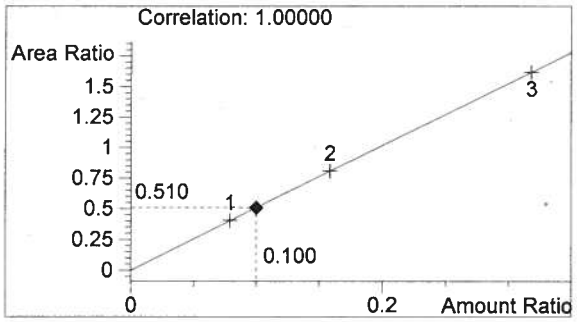
Instrument 3
DB-ALC2

0.10 CTRL-CJ
Chris Johnston

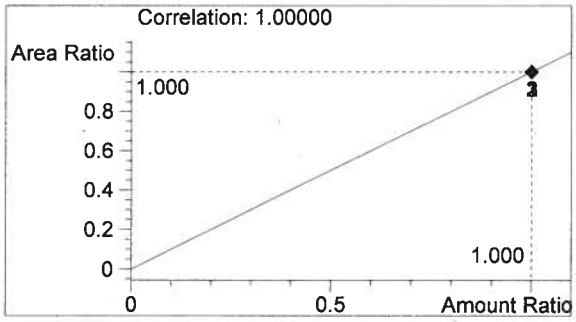
vial # 7



#	Compound	Area	RT
1	Ethanol	643	1.064
2	n-Propanol	1262	1.825
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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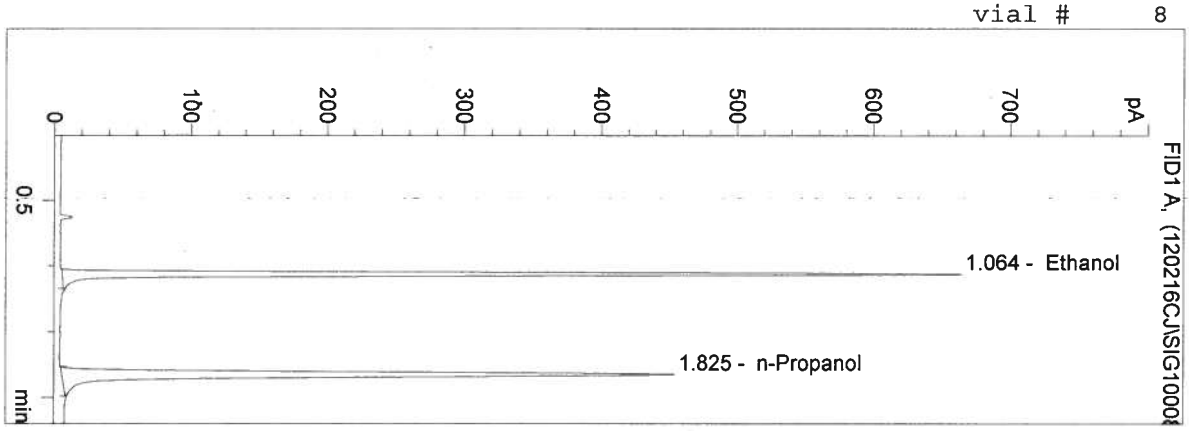
Instrument 3
DB-ALC2

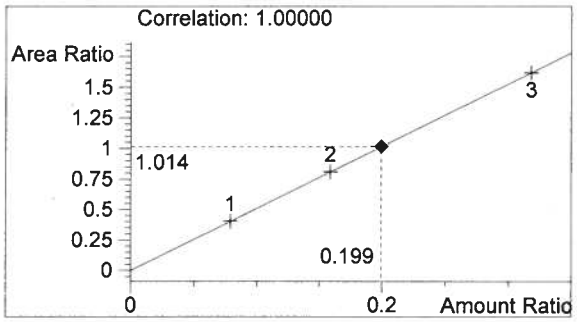
0.20 CTRL-CJ
Chris Johnston

vial # 8

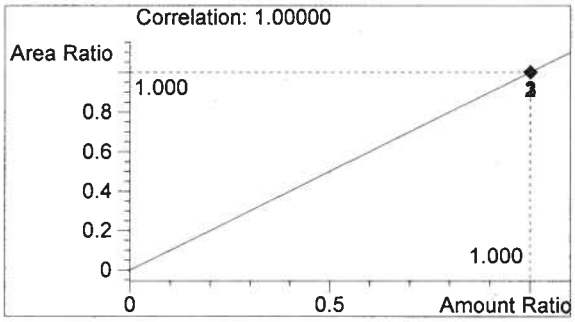


#	Compound	Area	RT
1	Ethanol	1260	1.064
2	n-Propanol	1244	1.825

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

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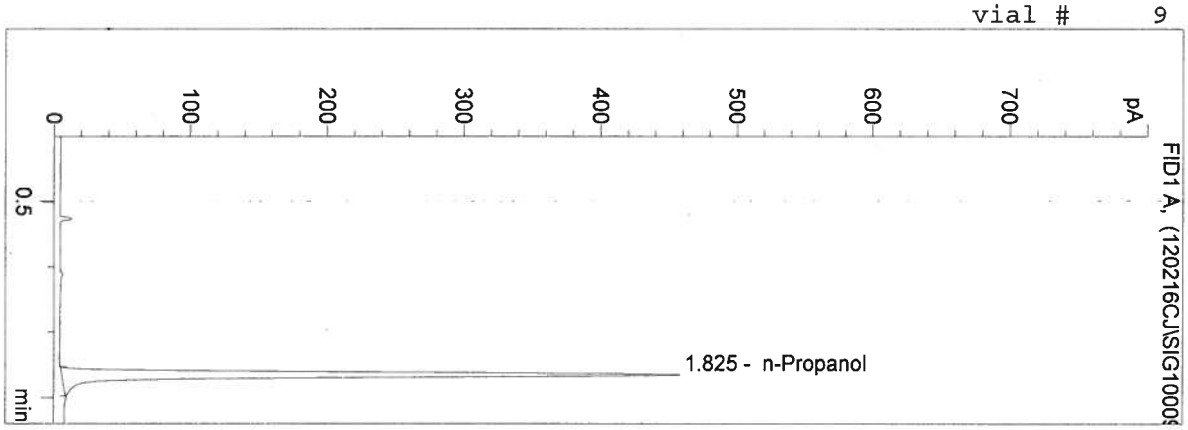
Instrument 3
DB-ALC2

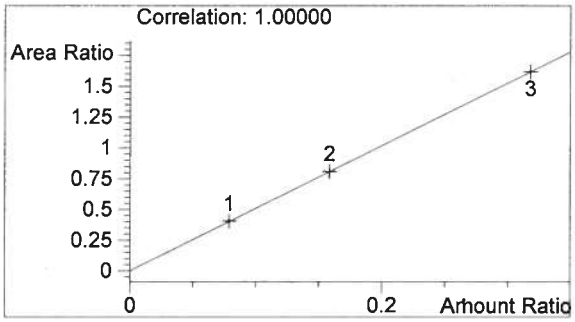
NEG CTRL-CJ
Chris Johnston

vial # 9

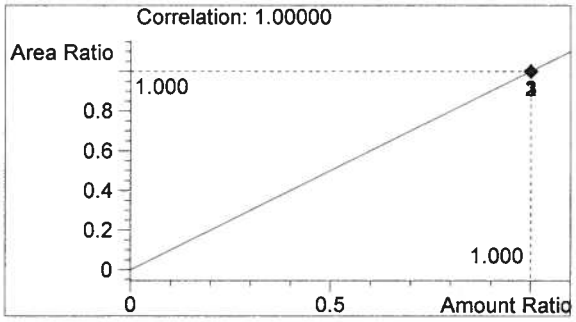


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1261	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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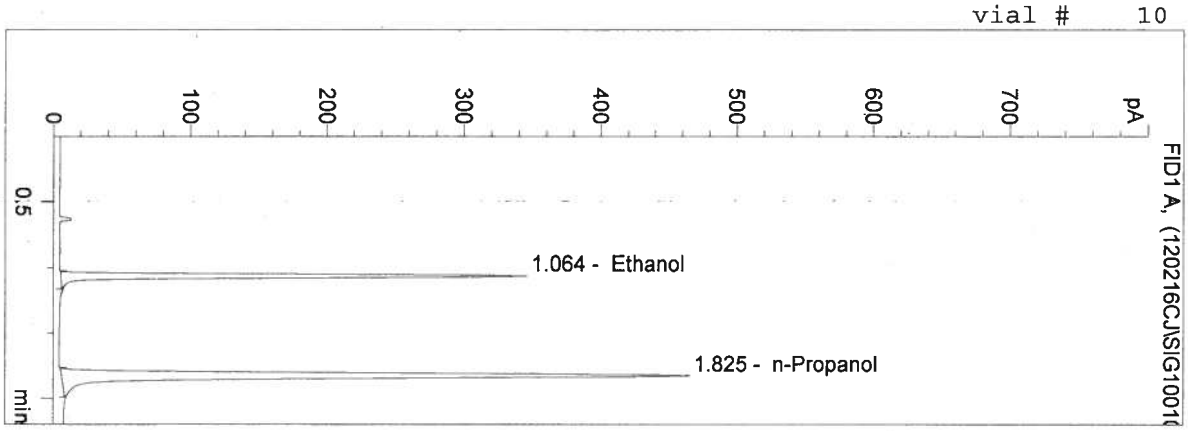
Instrument 3
DB-ALC2

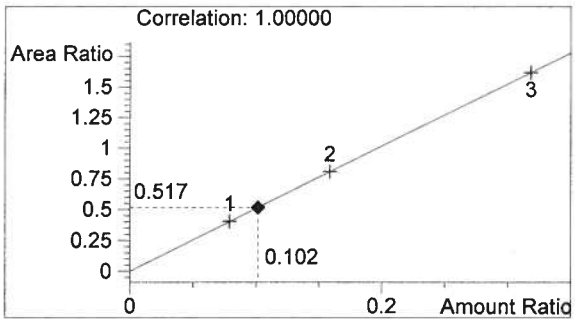
ESS 12007 #1
Chris Johnston

vial # 10

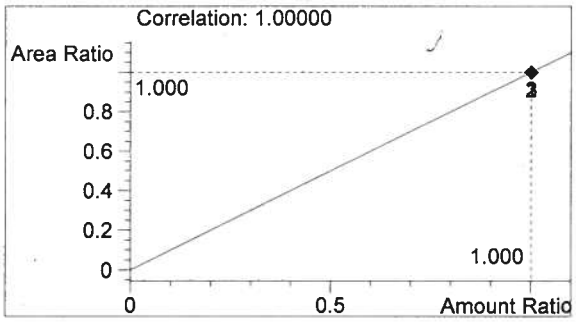


#	Compound	Area	RT
1	Ethanol	664	1.064
2	n-Propanol	1284	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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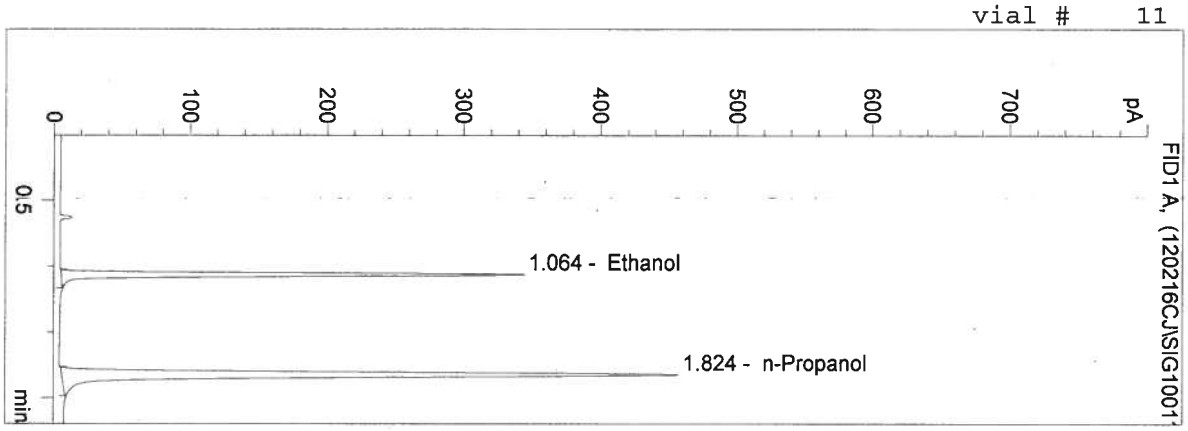
Instrument 3
DB-ALC2

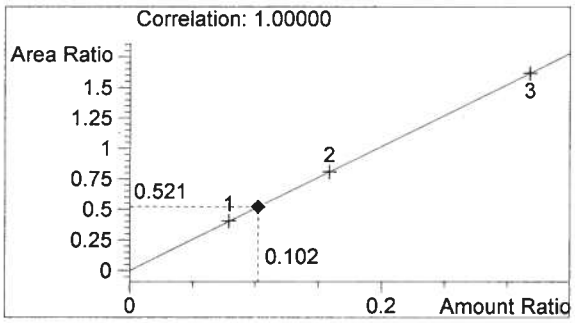
ESS 12007 #2
Chris Johnston

vial # 11

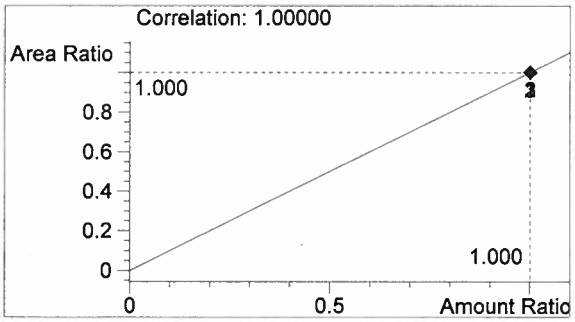


#	Compound	Area	RT
1	Ethanol	656	1.064
2	n-Propanol	1258	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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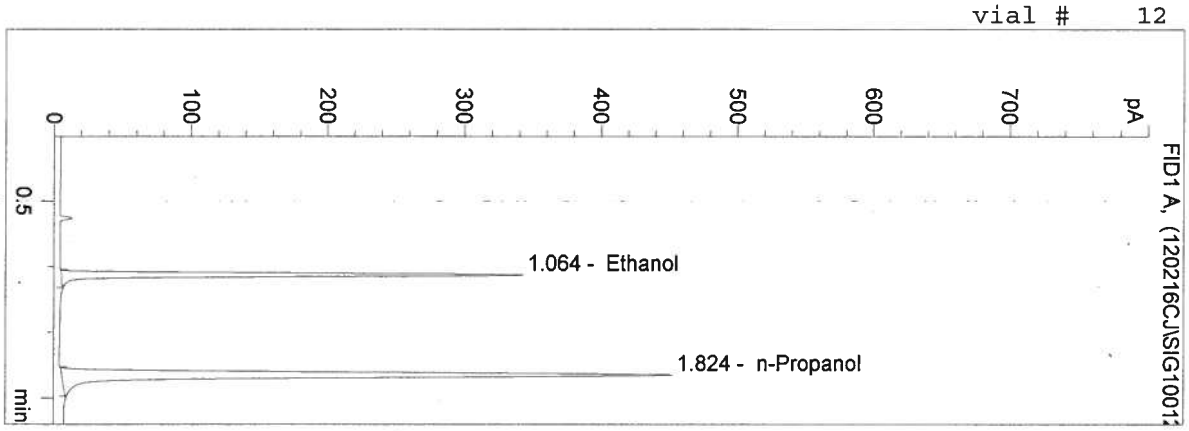
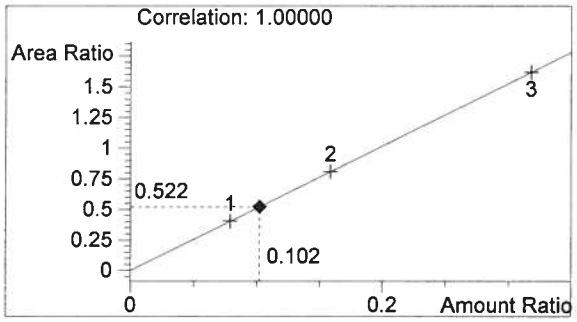
Instrument 3
DB-ALC2

ESS 12007 #3
Chris Johnston

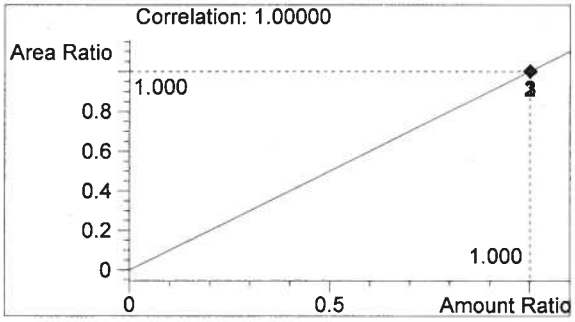
vial # 12



#	Compound	Area	RT
1	Ethanol	645	1.064
2	n-Propanol	1237	1.824
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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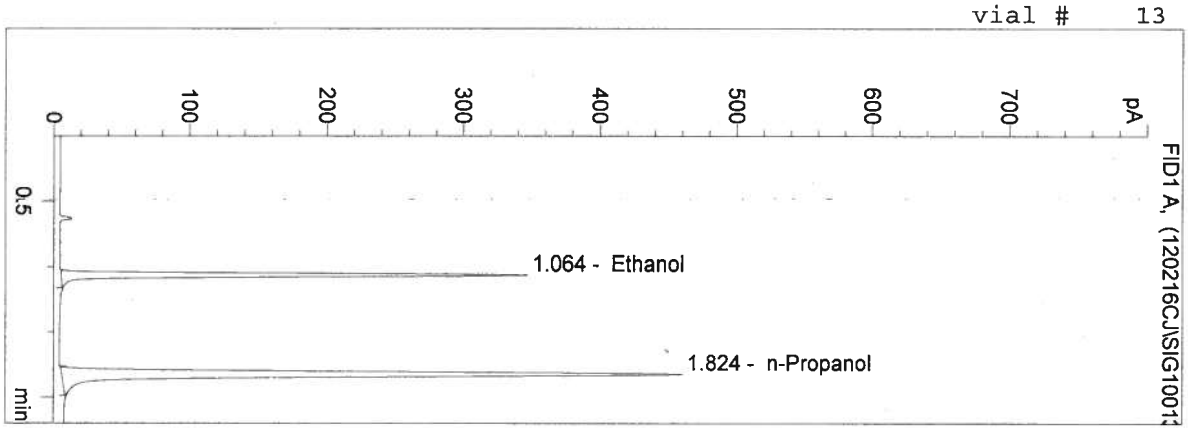
Instrument 3
DB-ALC2

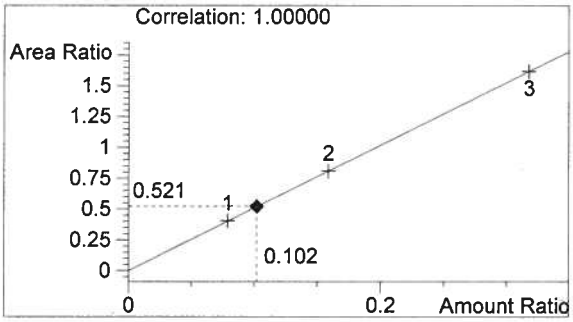
ESS 12007 #4
Chris Johnston

vial # 13

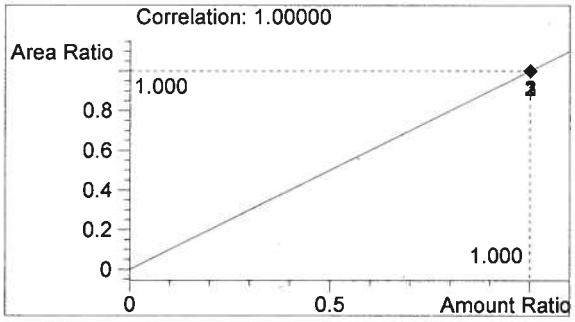


#	Compound	Area	RT
1	Ethanol	658	1.064
2	n-Propanol	1264	1.824

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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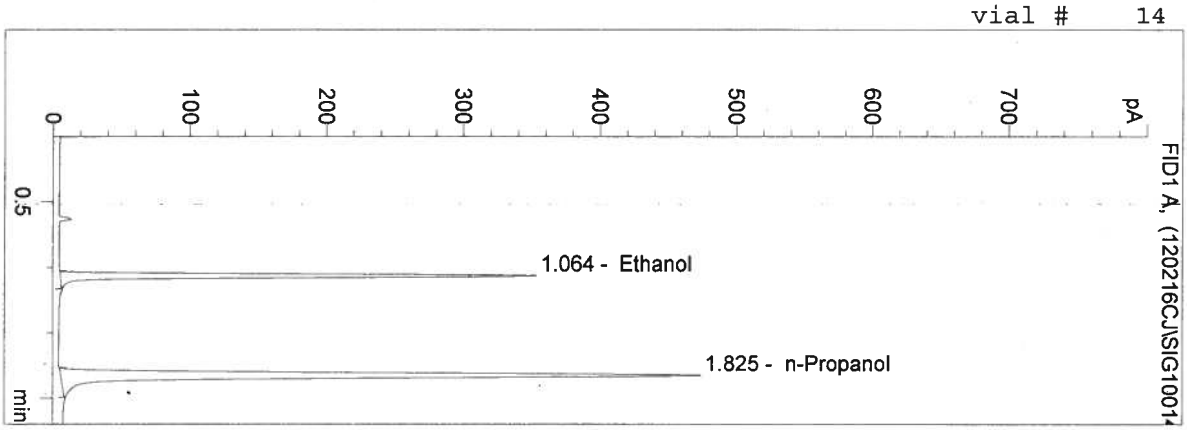
Instrument 3
DB-ALC2

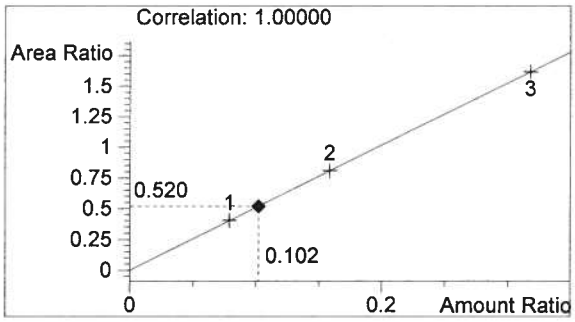
ESS 12007 #5
Chris Johnston

vial # 14

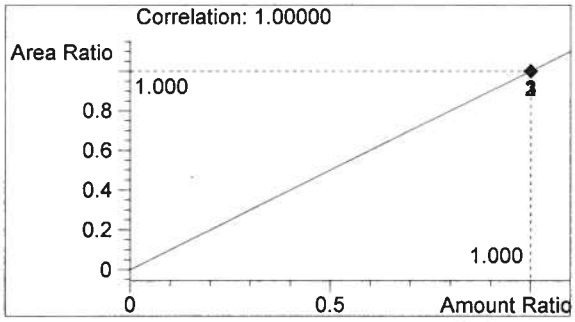


#	Compound	Area	RT
1	Ethanol	679	1.064
2	n-Propanol	1306	1.825

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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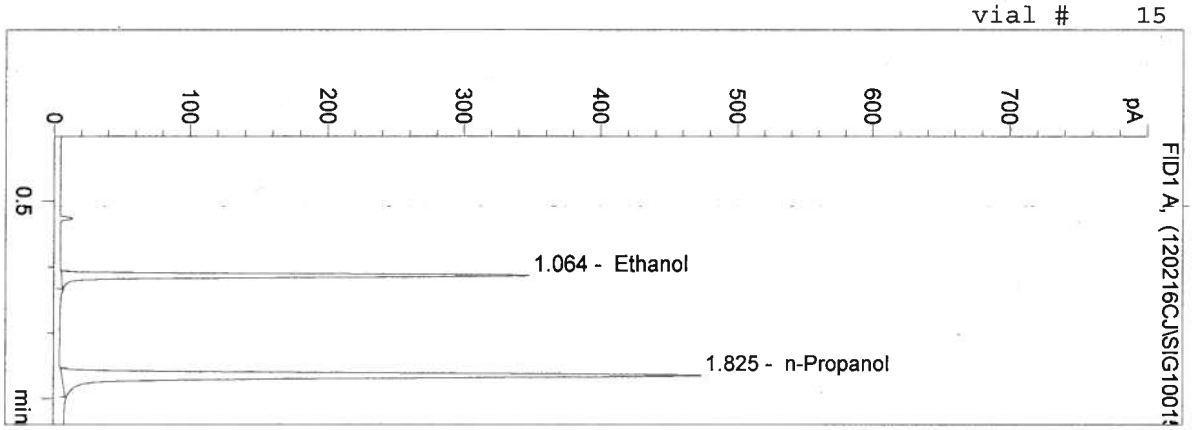
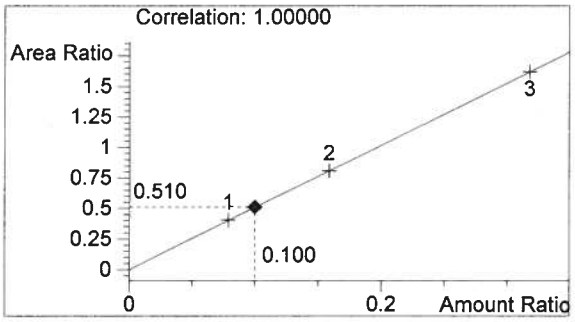
Instrument 3
DB-ALC2

0.10 CTRL-CJ
Chris Johnston

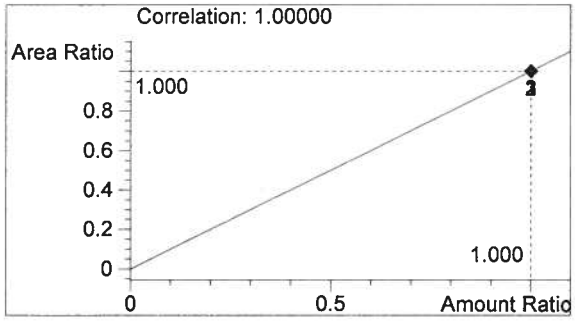
vial # 15



#	Compound	Area	RT
1	Ethanol	665	1.064
2	n-Propanol	1304	1.825
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

12007

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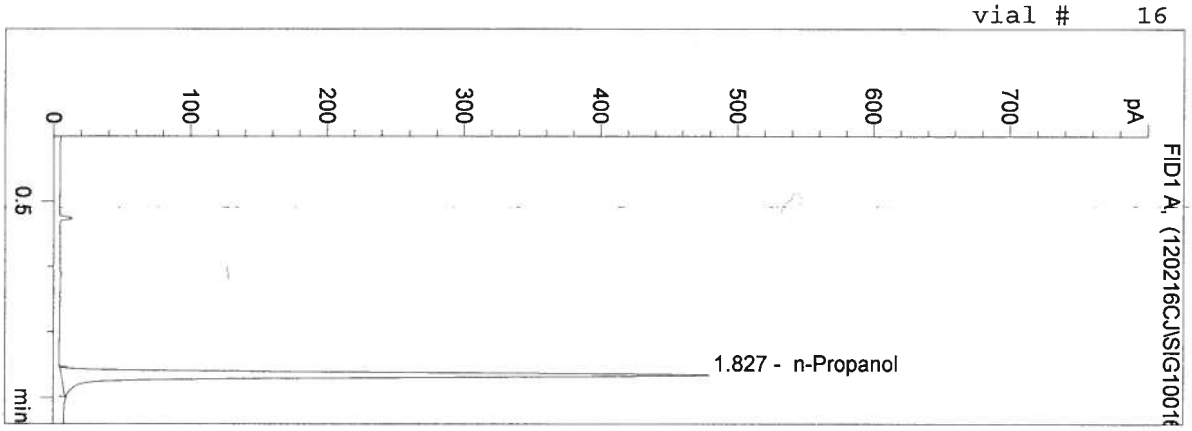
Instrument 3
DB-ALC2

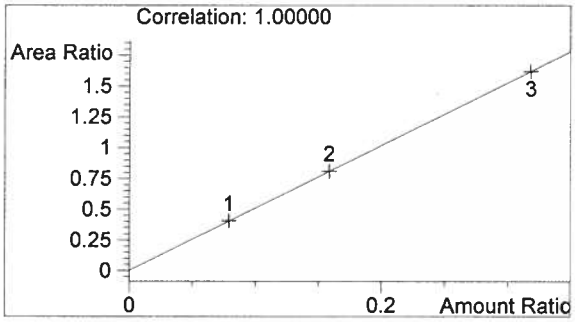
NEG CTRL-CJ
Chris Johnston

vial # 16

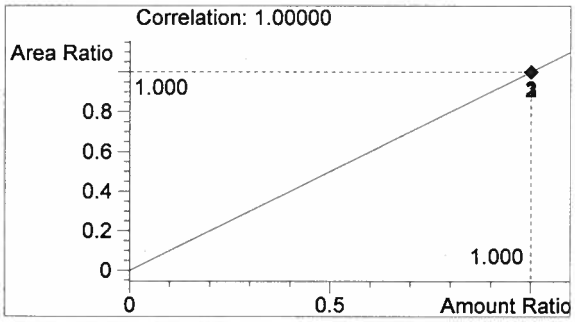


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1325	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12007

CJ