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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2006

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 11050

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: 11/03/2011
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Brianne O'Reilly

	BEO	DC	BB	NN	LN	JLK	CSJ	BP
1	0.102	0.102	0.102	0.105	0.104	0.104	0.103	0.106
2	0.103	0.104	0.102	0.104	0.104	0.104	0.104	0.103
3	0.103	0.103	0.102	0.104	0.104	0.104	0.103	0.103
4	0.101	0.103	0.102	0.103	0.105	0.104	0.104	0.103
5	0.103	0.104	0.103	0.103	0.104	0.104	0.103	0.104
C	0.101	0.100	0.099	0.101	0.101	0.100	0.101	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1034 g/100mL
STANDARD DEVIATION: 0.00098
PRECISION CV (%): 0.95
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0840 g/210L**
EXPANDED UNCERTAINTY: ± 0.0028 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

11. 14. 2011
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BEO	Brianne O'Reilly	Brianne O'Reilly	11/03/2011
DC	Dawn Cox	Dawn Cox	11/03/2011
BB	Brittany Ball	Brittany Ball	11/03/2011
NN	Naziha Nuwayhid	Naziha Nuwayhid	11/07/2011
LN	Lisa Noble	Lisa Noble	11/08/2011
JLK	Justin L. Knoy	Justin L. Knoy	11/08/2011
CSJ	Christopher S. Johnston	Chris	11/08/2011
BP	Brianna Peterson	Brianna Peterson	11/09/2011

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 #: 11050 **Date Prepared:** 11/3/2011

Analyst:	BEO	DC	BB	NN	LN	JLK	CSJ	BP
Date Tested:	11/3/2011	11/3/2011	11/3/2011	11/7/2011	11/8/2011	11/8/2011	11/8/2011	11/9/2011
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.102	0.102	0.102	0.105	0.104	0.104	0.103	0.106
2	0.103	0.104	0.102	0.104	0.104	0.104	0.104	0.103
3	0.103	0.103	0.102	0.104	0.104	0.104	0.103	0.103
4	0.101	0.103	0.102	0.103	0.105	0.104	0.104	0.103
5	0.103	0.104	0.103	0.103	0.104	0.104	0.103	0.104
C	0.101	0.100	0.099	0.101	0.101	0.100	0.101	0.099

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000896779	0.0000781800	0.0001016326

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

Average Solution Concentration: 0.1034 g/100mL
Standard Deviation: 0.00098 g/100mL
Precision CV (%): 0.95
Equivalent Vapor Concentration: 0.0840 g/210L
Combined Standard Uncertainty (±): 0.0014 g/210L
Expanded Uncertainty (±): 0.0028 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton Melissa L. Pemberton 11.10.11
Name Signature Date

Calculations verified by: Jason Skiggs 11/14/11
Name Signature Date

Method: Hand Calculator

Technical review of batch file performed by:
Melissa L. Pemberton Melissa L. Pemberton 11.14.11
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON H. SKLEROV **Date:** NOVEMBER 14, 2011

Location: WSP-FLSB ; SEATTLE, WA **Solution Batch Number:** 11050

	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:** 11/14/11

Reviewer Signature: N/A 11/14/11 **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		
Brian Capron		
Brianna Peterson	BP	11/10/11
Brianne O'Reilly	BOO	11.14.11
Brittany Ball	BB	11/14/11
Christie Mitchell		
Christopher Johnston	CJ	11/10/11
Dawn Cox	DC	11/10/11
Justin Knoy	[illegible]	11-10.11
Lisa Noble	[illegible]	11/10/11
Melissa Pemberton		
Naziha Nuwayhid	NN	Nov. 10.11
Rebecca Flaherty		
Sarah Swenson		

Batch # 11050

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 11050

I, Brianne E. O'Reilly, 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 Veterinary Medical Sciences.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Brianne E. O'Reilly 11-14-11

Brianne E. O'Reilly Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11050

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.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Dawn Cox 11/10/11

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 11050

I, Brittany Ball, 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 a Masters in Forensic Science.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Brittany Ball 11/14/11

Brittany Ball Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11050

I, Naziha Nuwayhid, do certify under penalty of perjury that:

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

I possess the following qualifications: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Nov 10, 2011

Naziha Nuwayhid — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11050

I, Lisa Noble, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry and five years laboratory experience in forensic toxicology.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Lisa Noble 11/10/11

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11050

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 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

11-10-11

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 11050

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 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

11/10/2011

Christopher S. Johnston — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 11050

I, Brianna Peterson, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry, MS degree in Forensic Science, Ph.D. degree in Toxicology, and five years of experience in forensic toxicology.

The external standard solution, Lot Number 11050, was prepared in the Washington State Toxicology Laboratory on 11/3/2011. 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 11/3/2012.

Seattle, WA

Brianna Peterson 11/10/11

Brianna Peterson Date

Forensic Toxicologist

Sequence Parameters:

Operator:	Brianne E. O'Reilly
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:	111103BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
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:E0911-01
3	Vial 3	Lot:E0911-02
4	Vial 4	Lot:E0911-03
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	

11050

BW

Sequence: C:\HPCHEM\2\SEQUENCE\BOEXSTD.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 CONTROL-BO	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		
10	Vial 10	11050 #1	SIMALC3	1	Sample		
11	Vial 11	11050 #2	SIMALC3	1	Sample		
12	Vial 12	11050 #3	SIMALC3	1	Sample		
13	Vial 13	11050 #4	SIMALC3	1	Sample		
14	Vial 14	11050 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	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!

11050

BW

Calibration Table

Calib. Data Modified : Thursday, November 03, 2011 10:55:32 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
1.066	1	1	8.12800e-2	575.80817	1.41158e-4	1		Ethanol
		2	1.60090e-1	1266.77954	1.26376e-4			
		3	3.22750e-1	2576.91333	1.25247e-4			
1.827	1	1	1.00000	1378.51306	7.25419e-4	I1		n-Propanol
		2	1.00000	1489.87610	6.71197e-4			
		3	1.00000	1531.10510	6.53123e-4			

Peak Sum Table

No Entries in table

11050

BEO

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Calibration Curves

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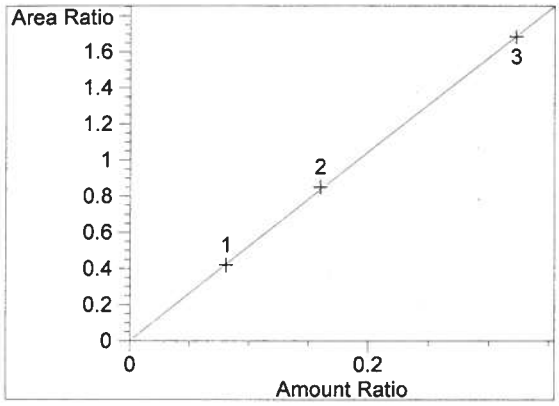
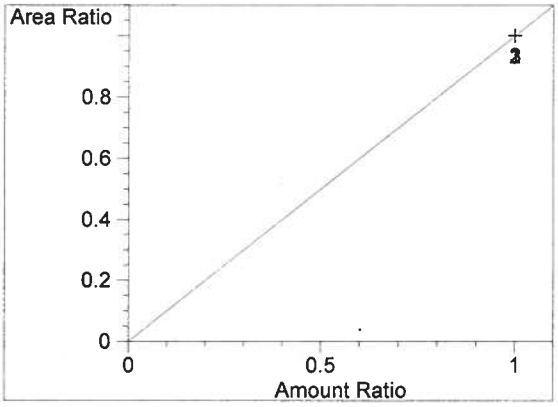


Ethanol at exp. RT: 1.066
FID1 A,
Correlation: 0.99992
Residual Std. Dev.: 0.01111
Formula: y = mx + b
m: 5.22633
b: 6.81336e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.827
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

==========

11050

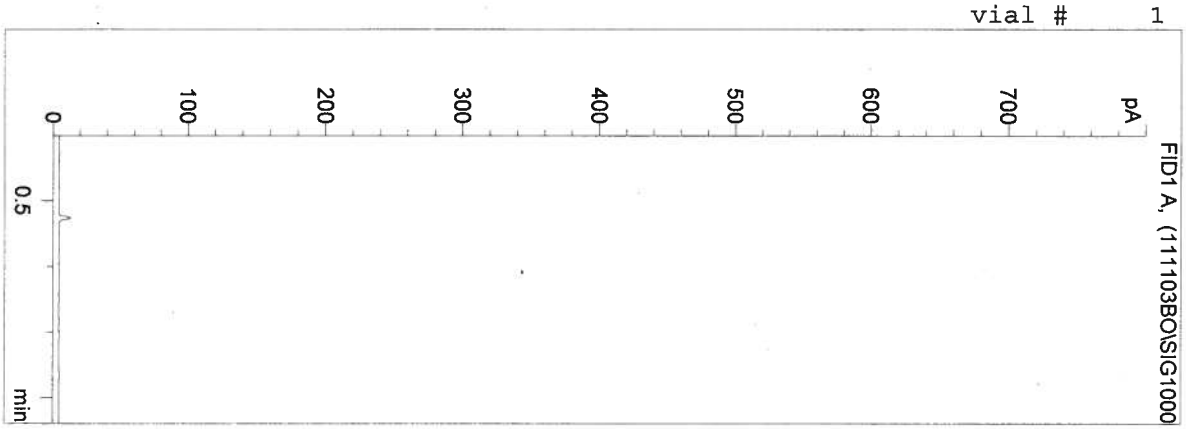
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

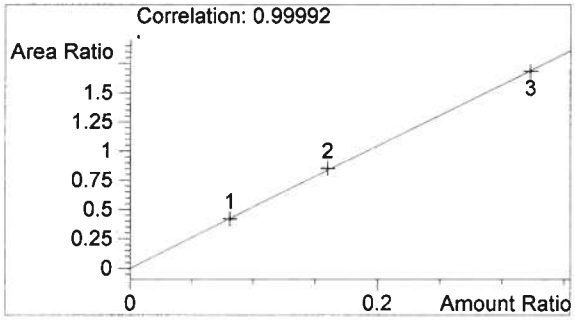
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 10:43:57 AM
Instrument 3
DB-ALC2

BLANK
Brianne E. O'Reilly

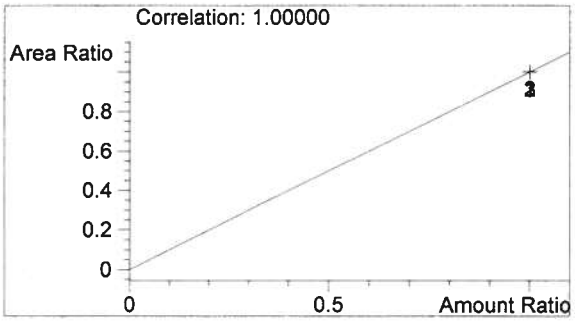
vial # 1



#	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

11050

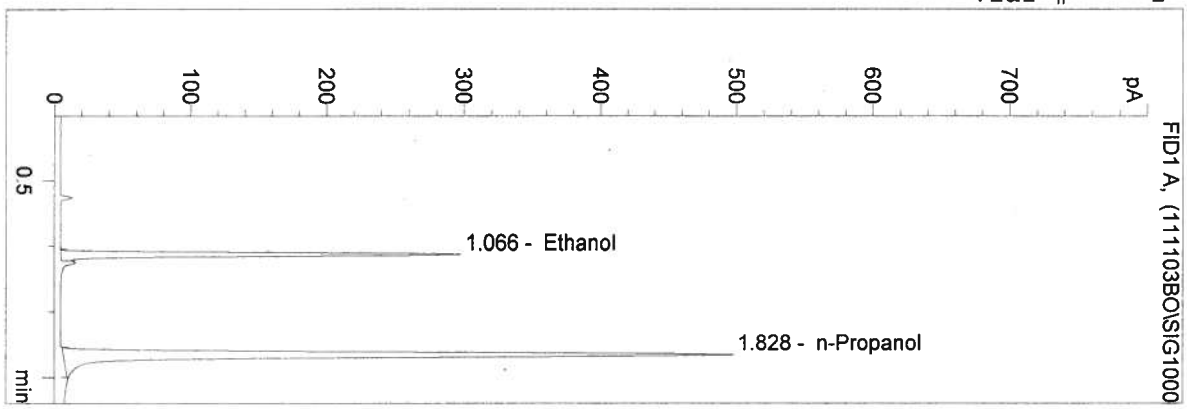
BLD

WASHINGTON STATE TOXICOLOGY LABORATORY

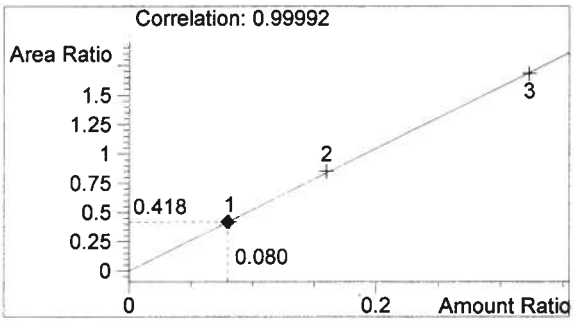
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 10:47:05 AM
Instrument 3
DB-ALC2

0.079 CAL 1
Brianne E. O'Reilly

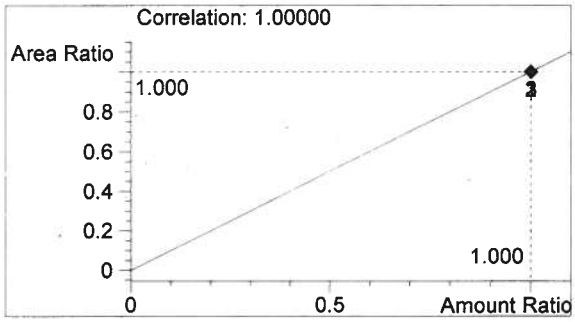
vial # 2



#	Compound	Area	RT
1	Ethanol	576	1.066
2	n-Propanol	1379	1.828
Totals:			



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

11050

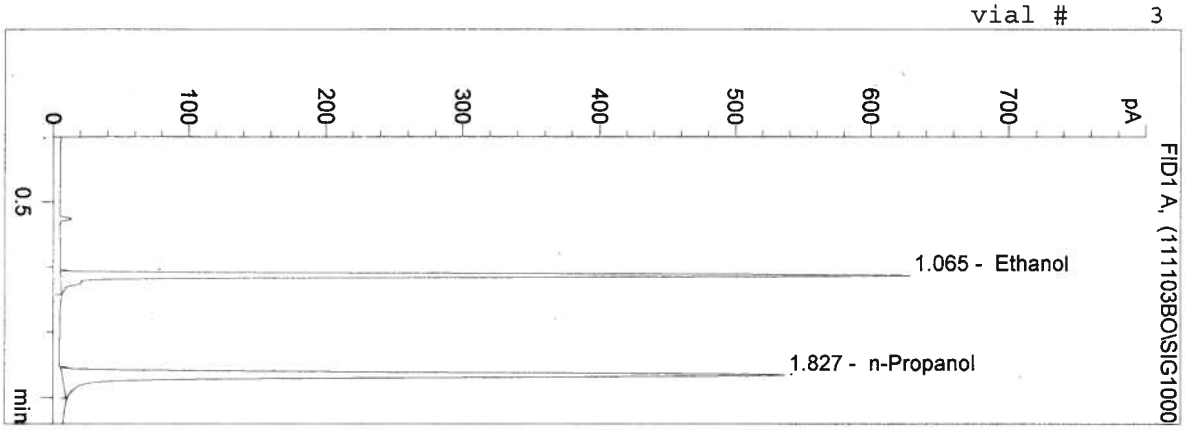
BED

WASHINGTON STATE TOXICOLOGY LABORATORY

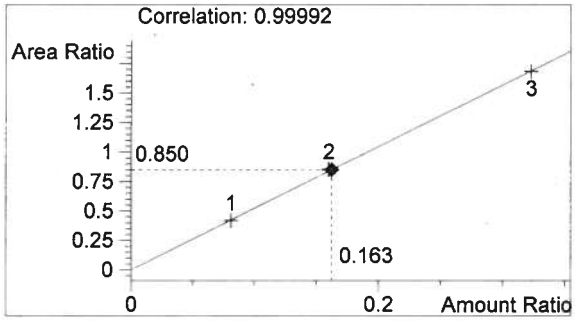
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 10:50:12 AM
Instrument 3
DB-ALC2

0.158 CAL 2
Brianne E. O'Reilly

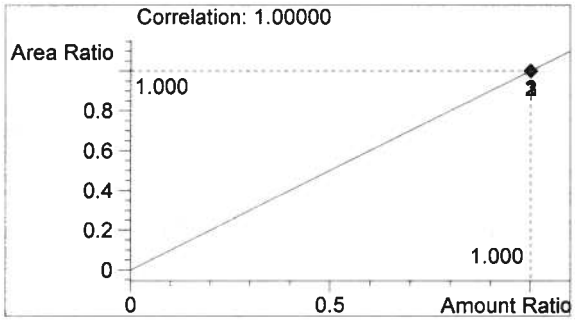
vial # 3



#	Compound	Area	RT
1	Ethanol	1267	1.065
2	n-Propanol	1490	1.827
Totals:			



Ethanol 0.163 g/100ml



n-Propanol 1.000 g/100ml

11050

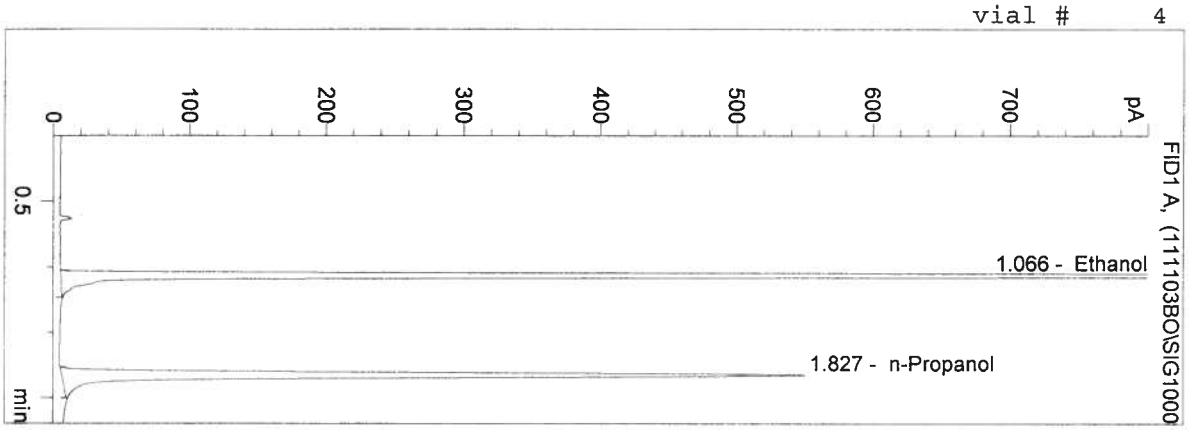
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 10:53:19 AM
Instrument 3
DB-ALC2

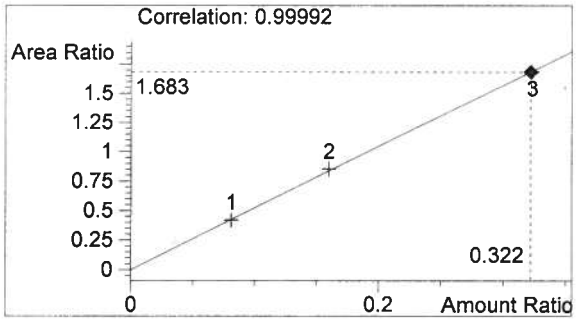
0.316 CAL 3
Brianne E. O'Reilly

vial # 4

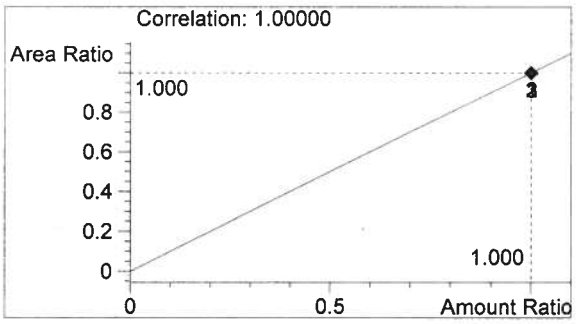


#	Compound	Area	RT
1	Ethanol	2577	1.066
2	n-Propanol	1531	1.827

Totals:



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

11050

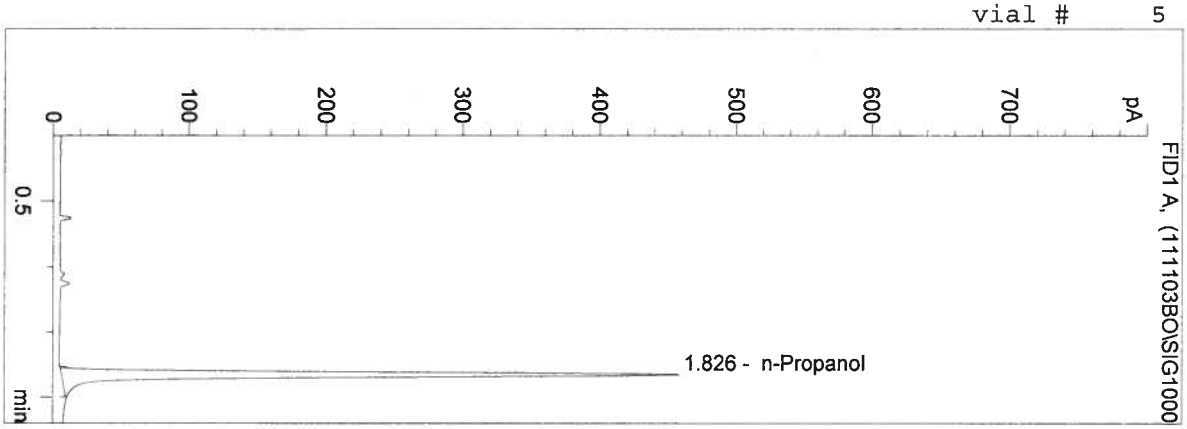
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 10:56:27 AM
Instrument 3
DB-ALC2

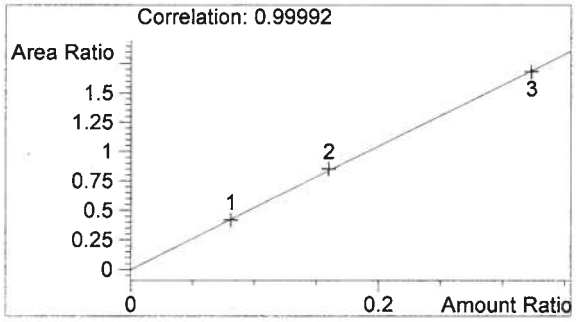
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 5

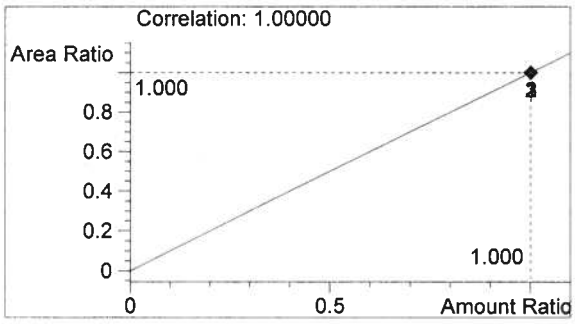


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1275	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

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WASHINGTON STATE TOXICOLOGY LABORATORY

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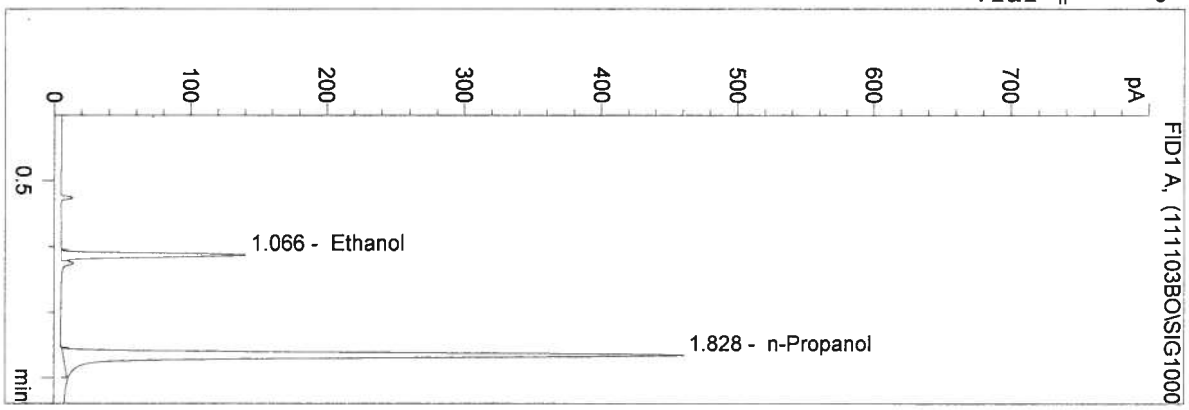
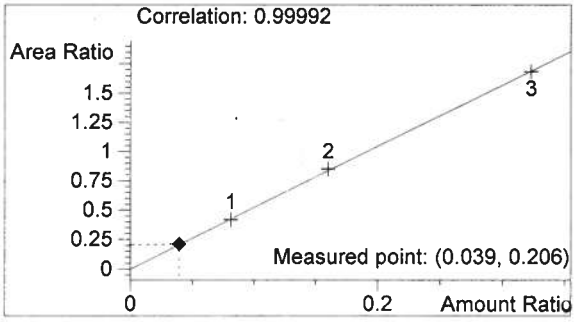
11/3/2011 10:59:34 AM
Instrument 3
DB-ALC2

0.04 CONTROL-BO
Brianne E. O'Reilly

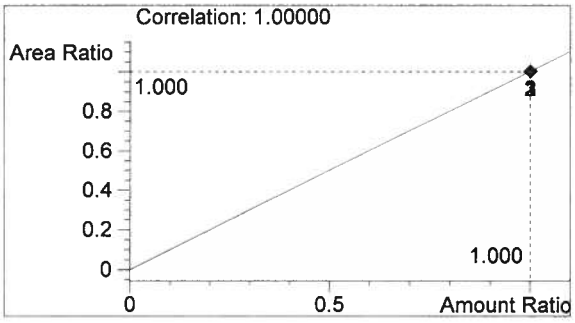
vial # 6



#	Compound	Area	RT
1	Ethanol	265	1.066
2	n-Propanol	1284	1.828
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

11050

BLD

WASHINGTON STATE TOXICOLOGY LABORATORY

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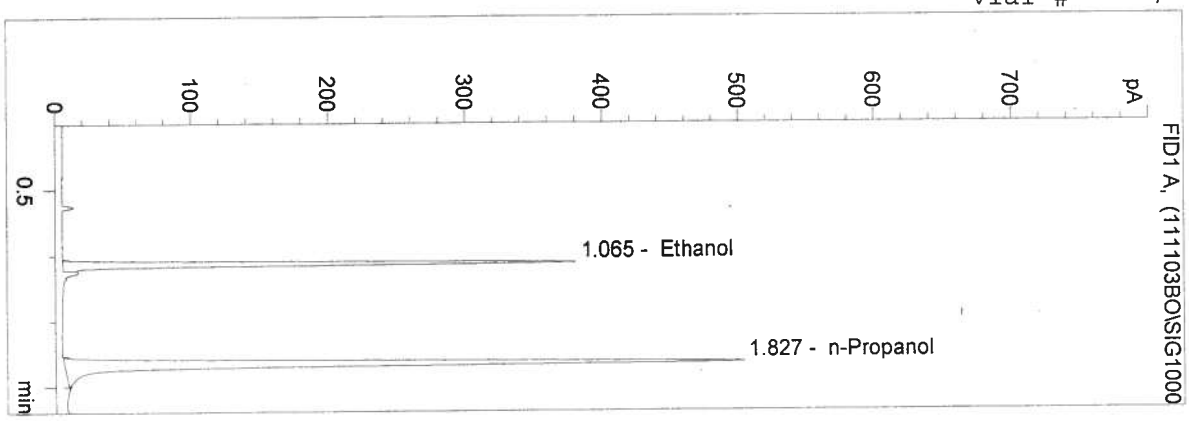
11/3/2011 11:02:41 AM
Instrument 3
DB-ALC2

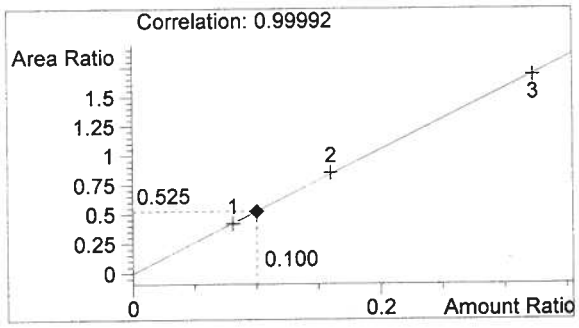
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 7

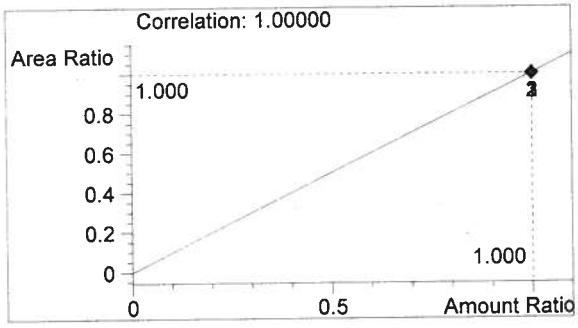


#	Compound	Area	RT
1	Ethanol	737	1.065
2	n-Propanol	1404	1.827

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

11050

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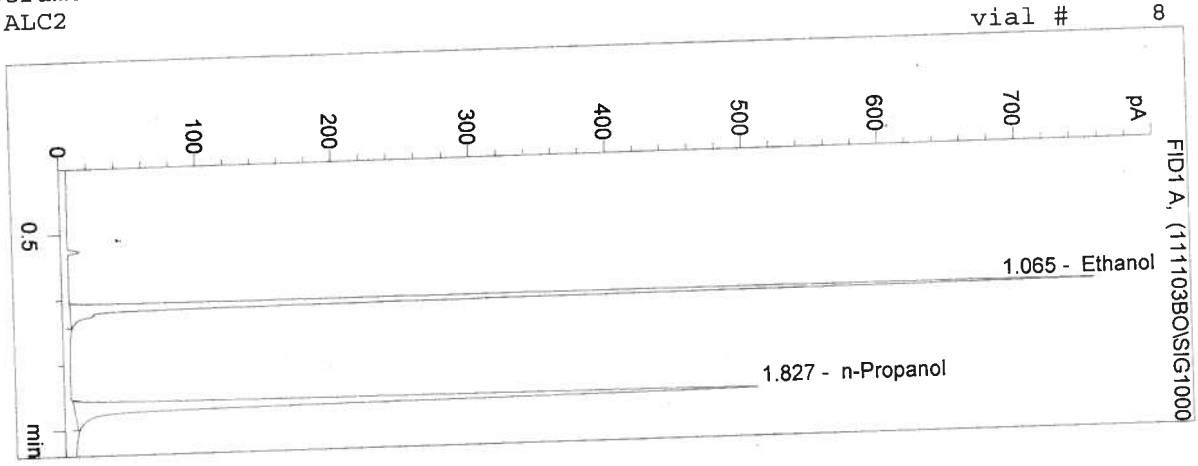
WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\SIMALC3.M
.1/3/2011 11:05:49 AM
:nstrument 3
)B-ALC2

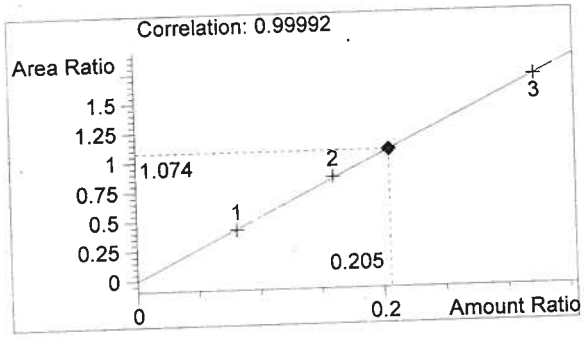
0.20 CONTROL-BO
Brianne E. O'Reilly

vial # 8

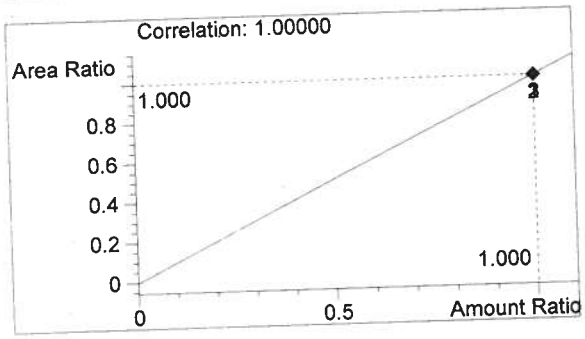


#	Compound	Area	RT
1	Ethanol	1516	1.065
2	n-Propanol	1411	1.827

Totals:



Ethanol 0.205 g/100ml



n-Propanol 1.000 g/100ml

11050

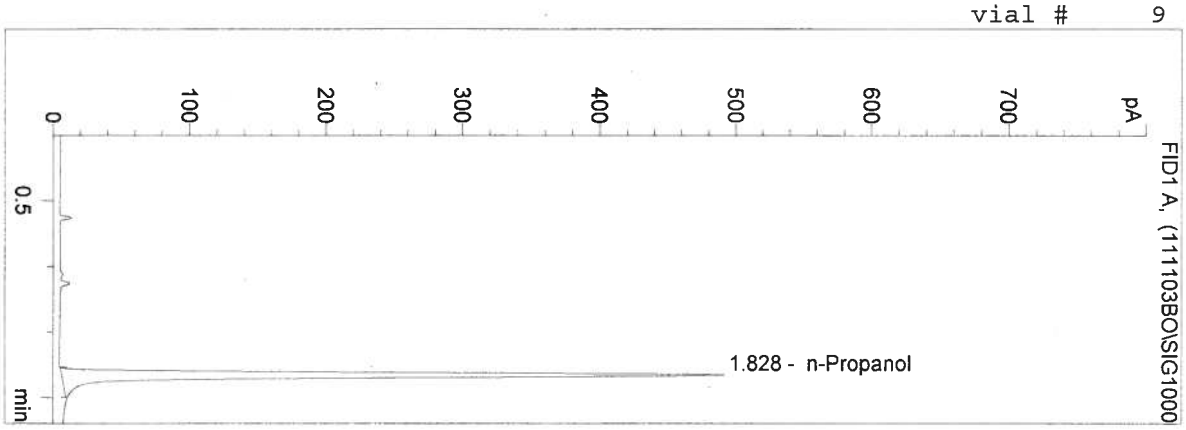
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:08:56 AM
Instrument 3
DB-ALC2

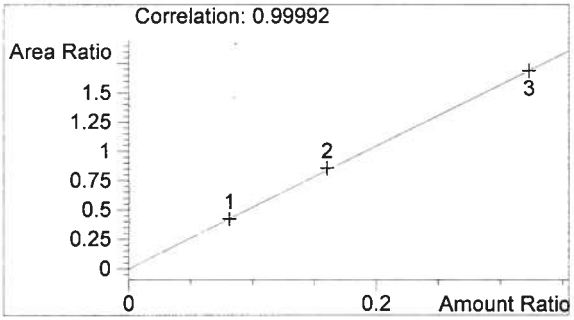
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 9

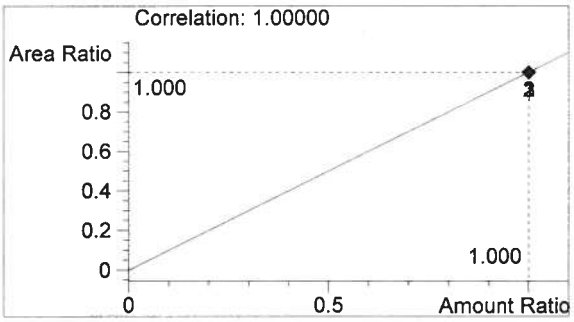


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1368	1.828

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

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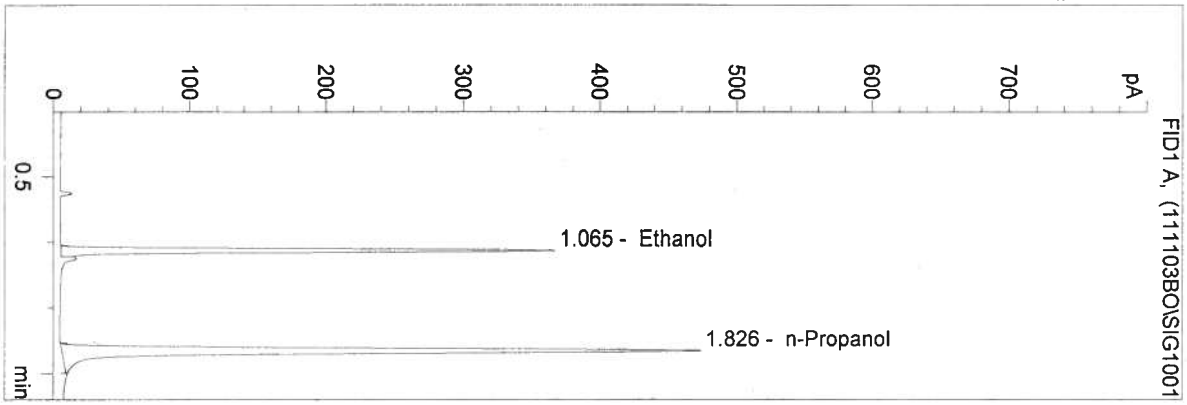
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:12:04 AM
Instrument 3
DB-ALC2

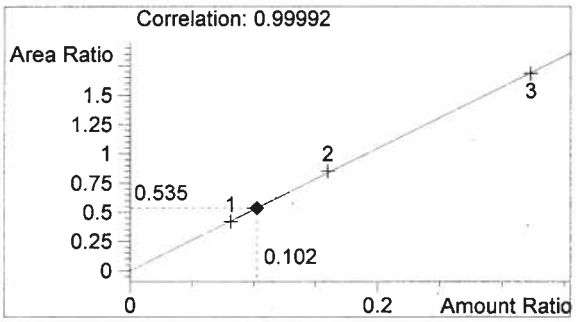
11050 #1
Brianne E. O'Reilly

vial # 10

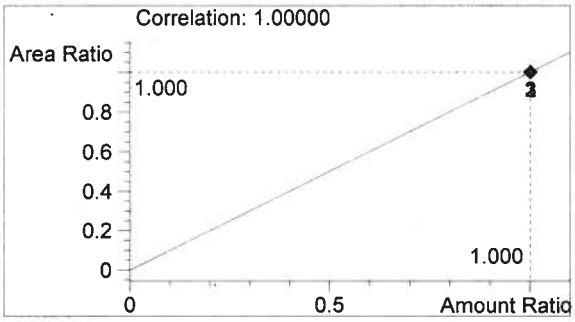


#	Compound	Area	RT
1	Ethanol	706	1.065
2	n-Propanol	1318	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

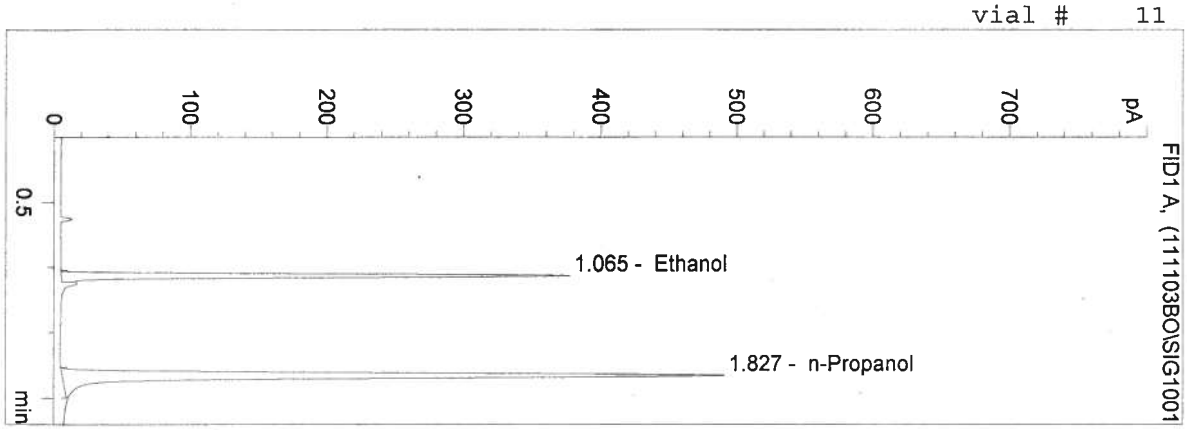
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:15:11 AM
Instrument 3
DB-ALC2

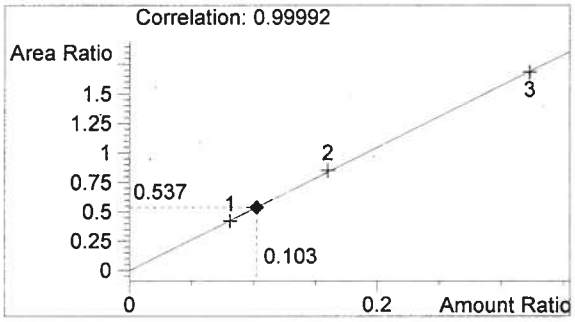
11050 #2
Brianne E. O'Reilly

vial # 11

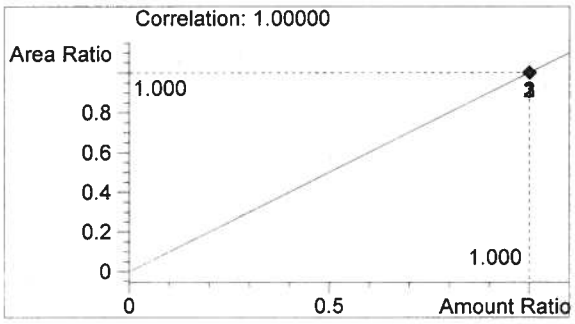


#	Compound	Area	RT
1	Ethanol	736	1.065
2	n-Propanol	1370	1.827

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

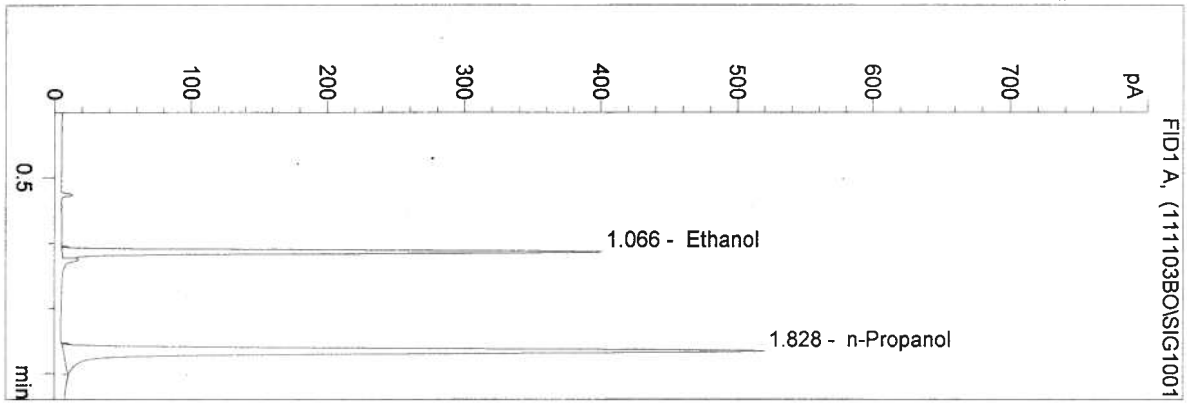
BEW

WASHINGTON STATE TOXICOLOGY LABORATORY

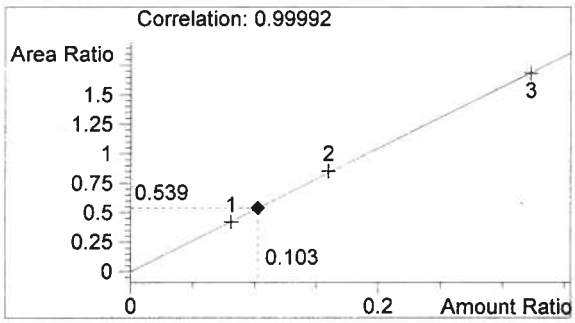
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:18:19 AM
Instrument 3
DB-ALC2

11050 #3
Brianne E. O'Reilly

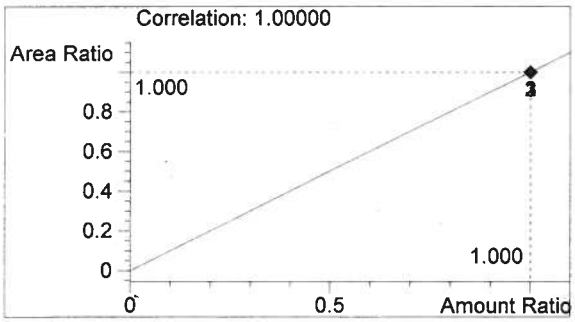
vial # 12



#	Compound	Area	RT
1	Ethanol	778	1.066
2	n-Propanol	1443	1.828
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

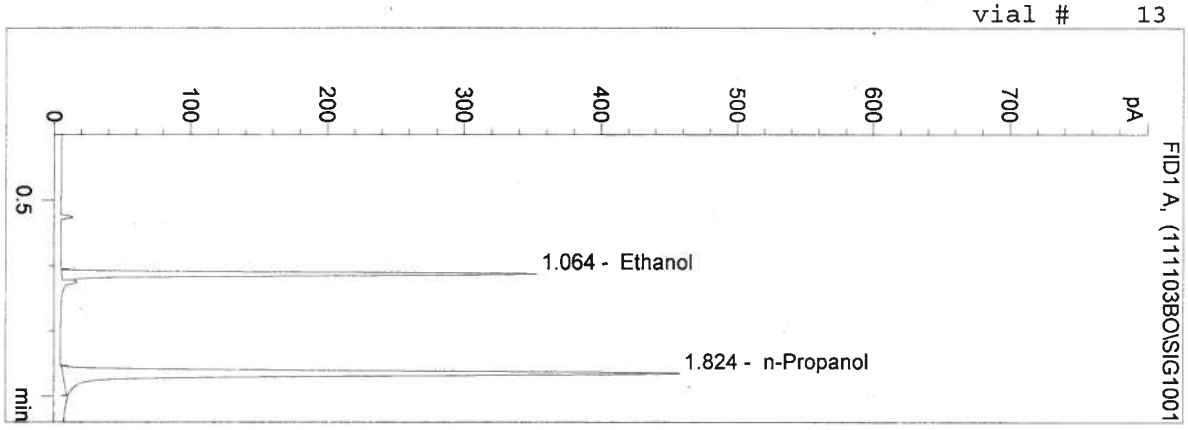
BWO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:21:26 AM
Instrument 3
DB-ALC2

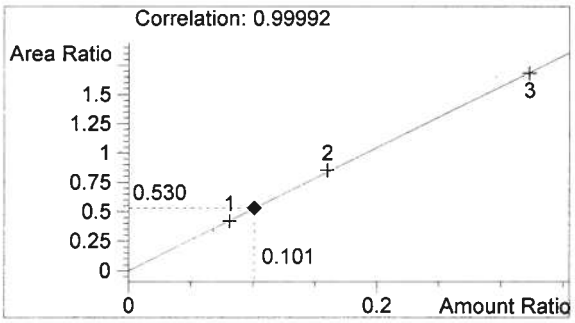
11050 #4
Brianne E. O'Reilly

vial # 13

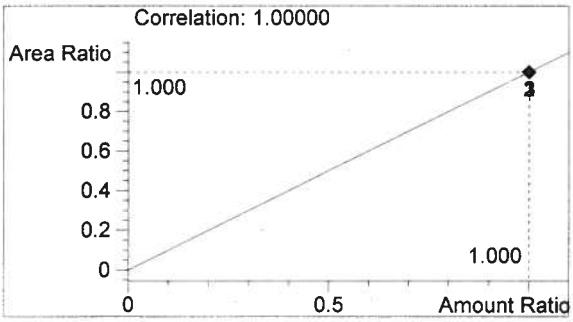


#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1268	1.824

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

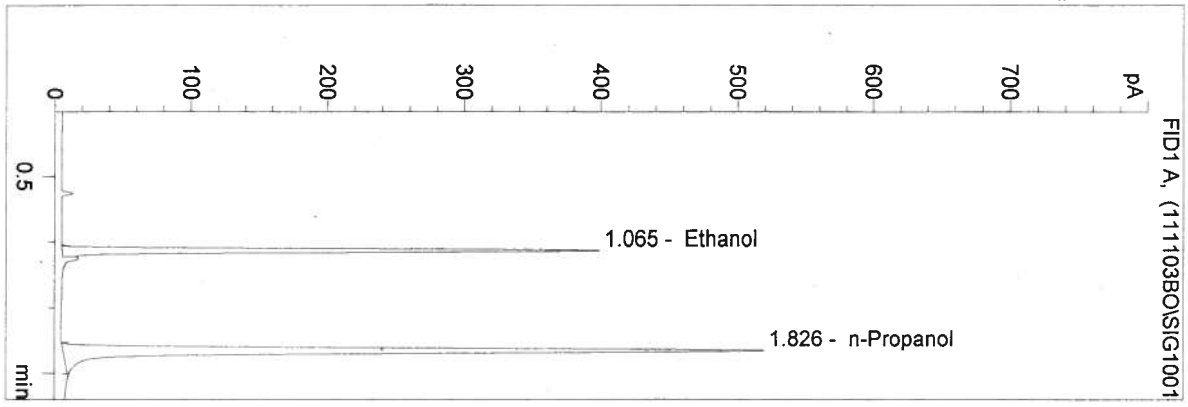
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:24:33 AM
Instrument 3
DB-ALC2

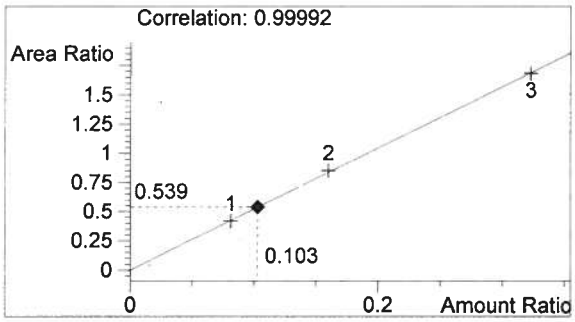
11050 #5
Brianne E. O'Reilly

vial # 14

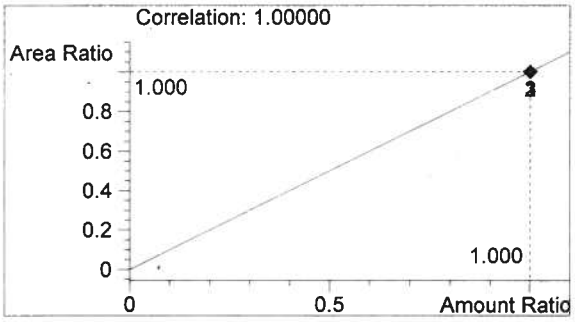


#	Compound	Area	RT
1	Ethanol	779	1.065
2	n-Propanol	1445	1.826

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

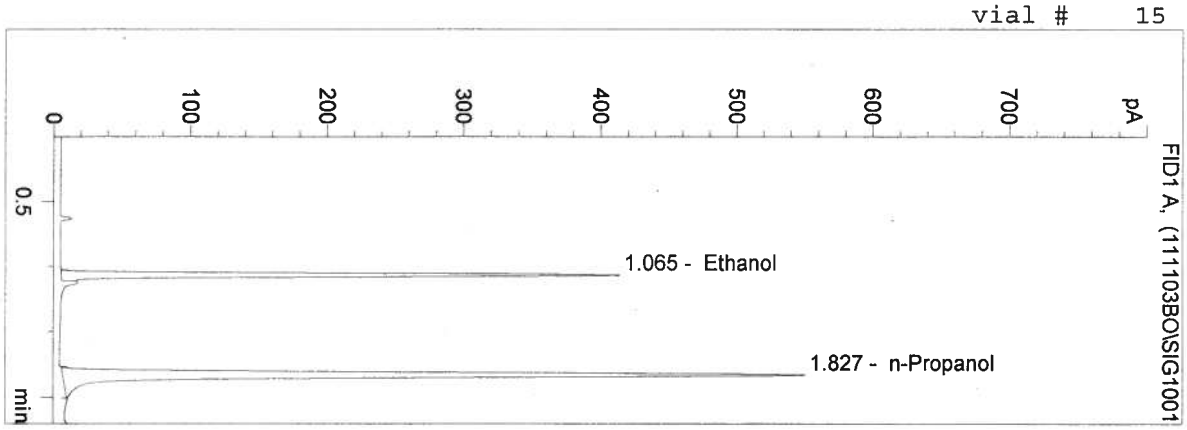
BLD

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 11:27:41 AM
Instrument 3
DB-ALC2

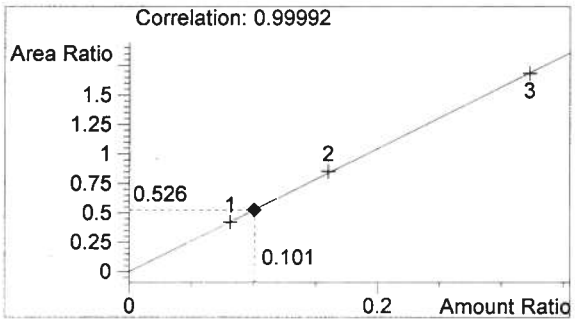
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 15

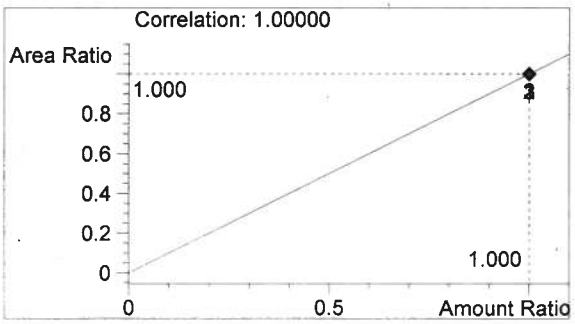


#	Compound	Area	RT
1	Ethanol	803	1.065
2	n-Propanol	1525	1.827

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

11050

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WASHINGTON STATE TOXICOLOGY LABORATORY

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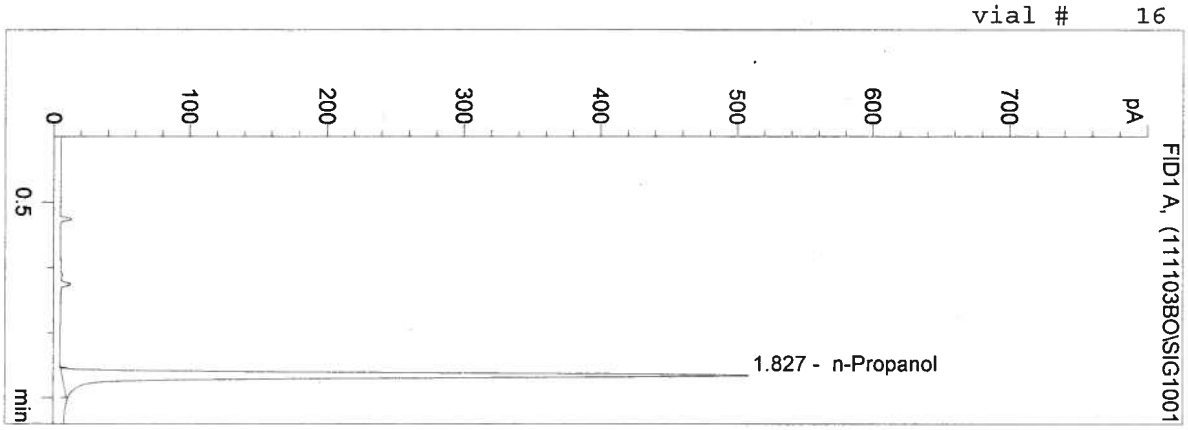
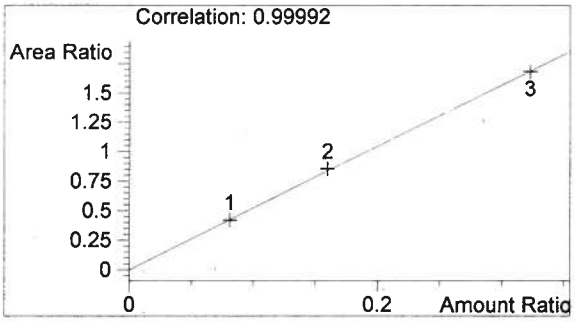
11/3/2011 11:30:48 AM
Instrument 3
DB-ALC2

NEG CONTROL-BO
Brianne E. O'Reilly

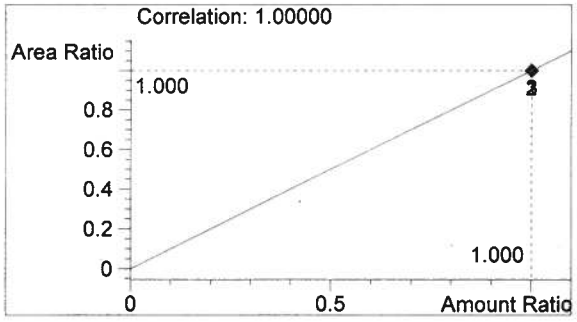
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1418	1.827
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

BW

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:	111103DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0911-01
Cal 2- Lot# E0911-02
Cal 3- Lot# E0911-03

0.04 Control - Lot # A075264 - exp 10/2014
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# E0911-01
3	Vial 3	Lot# E0911-02
4	Vial 4	Lot# E0911-03
5	Vial 5	
6	Vial 6	Lot# A075264
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	

11050

DC

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS3.S

Line	Location	Sample Information
15	Vial 15	Lot#A075806
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	11050 #1	SIMALC3	1	Sample		
11	Vial 11	11050 #2	SIMALC3	1	Sample		
12	Vial 12	11050 #3	SIMALC3	1	Sample		
13	Vial 13	11050 #4	SIMALC3	1	Sample		
14	Vial 14	11050 #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!

11050

DL

Calibration Table

Calib. Data Modified : Thursday, November 03, 2011 2:02:08 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
1.064	1		1	8.12800e-2	529.13232	1.53610e-4		1	Ethanol
			2	1.60090e-1	1062.56665	1.50663e-4			
			3	3.22750e-1	2111.04028	1.52887e-4			
1.824	1		1	1.00000	1286.67444	7.77197e-4	I1		n-Propanol
			2	1.00000	1270.53857	7.87068e-4			
			3	1.00000	1273.83496	7.85031e-4			

Peak Sum Table

No Entries in table

11050

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Calibration Curves

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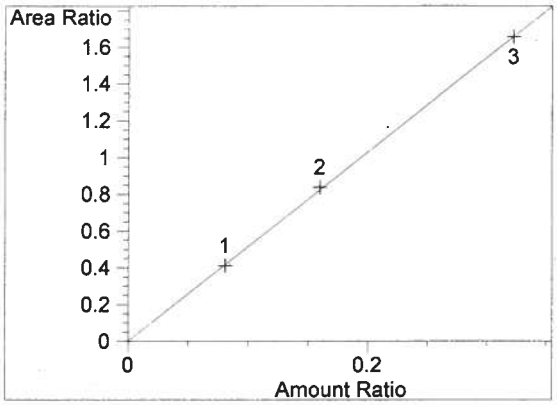
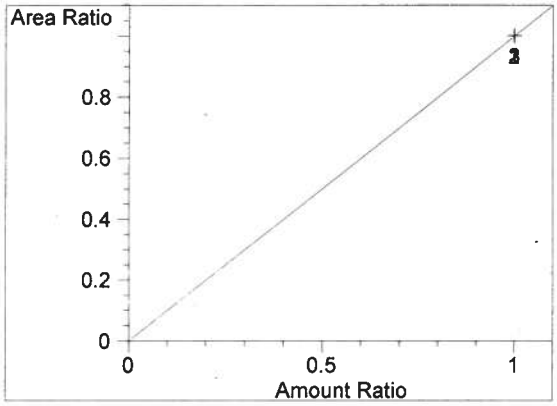


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.01043
Formula: y = mx + b
m: 5.14594
b: 4.64310e-4
x: Amount Ratio
y: Area Ratio



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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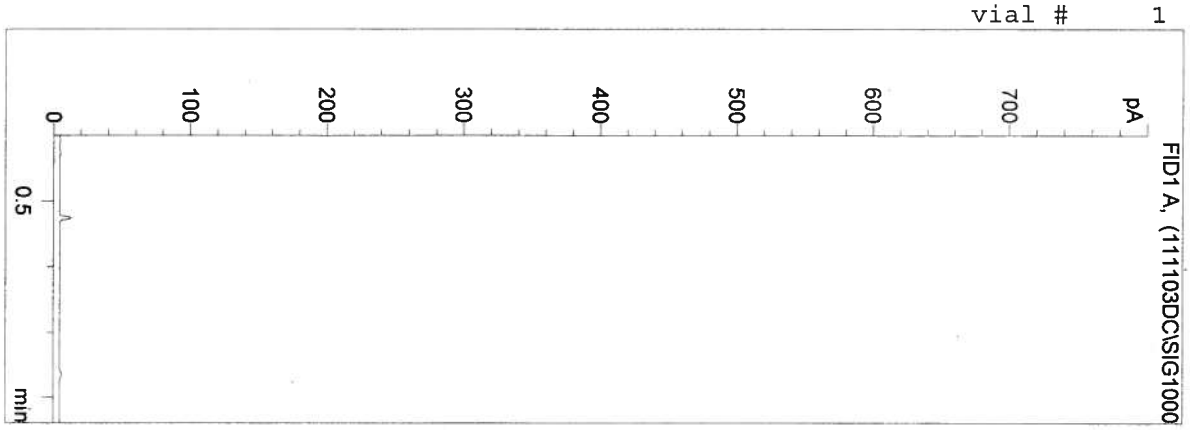
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 1:50:33 PM
Instrument 3
DB-ALC2

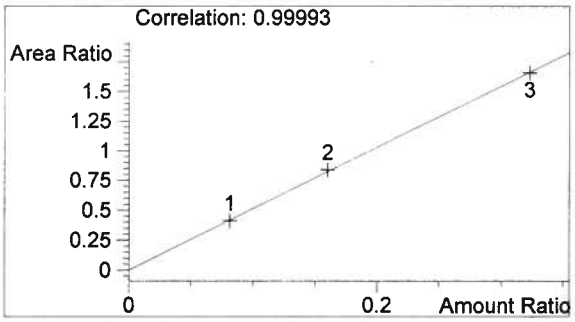
BLANK
Dawn Cox

vial # 1

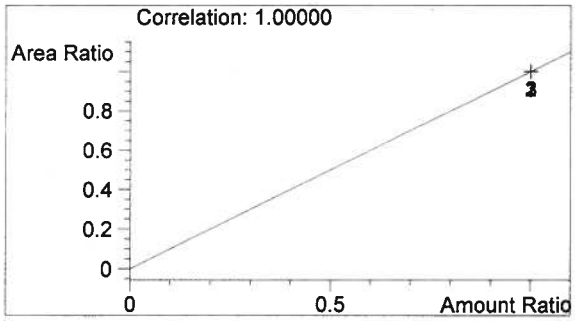


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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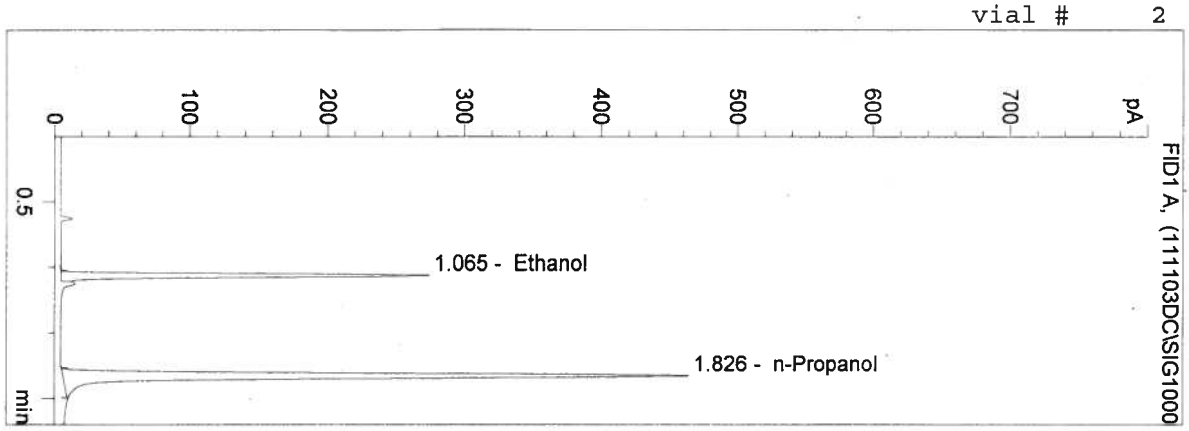
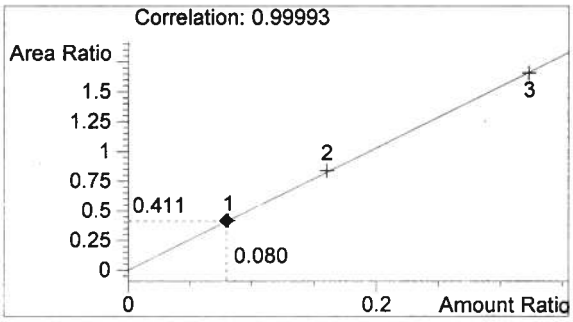
Instrument 3
DB-ALC2

0.079 CAL 1
Dawn Cox

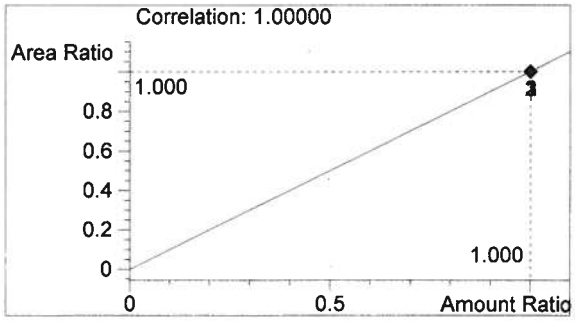
vial # 2



#	Compound	Area	RT
1	Ethanol	529	1.065
2	n-Propanol	1287	1.826
Totals:			



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

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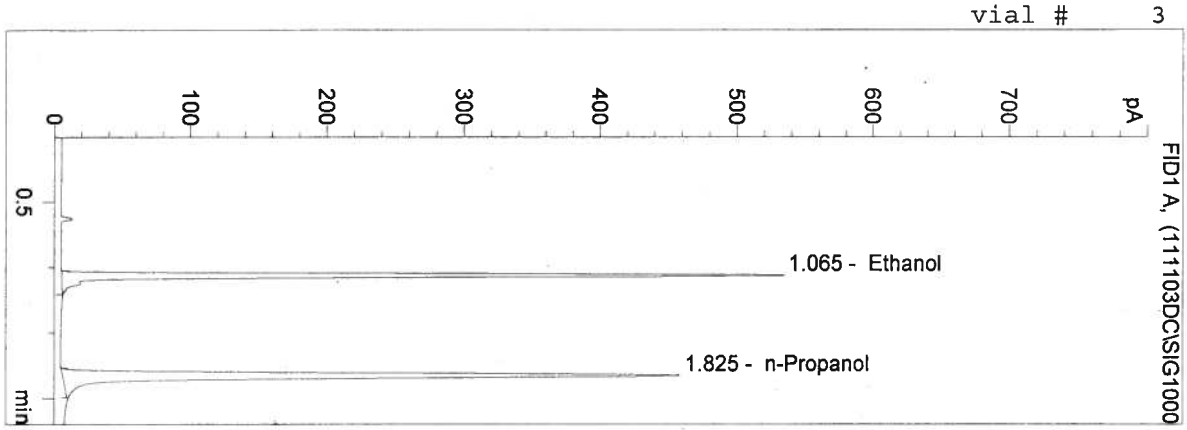
Instrument 3
DB-ALC2

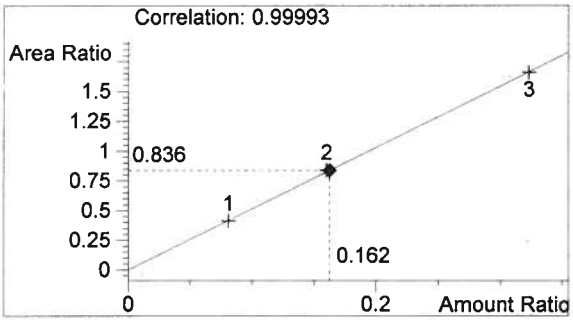
0.158 CAL 2
Dawn Cox

vial # 3

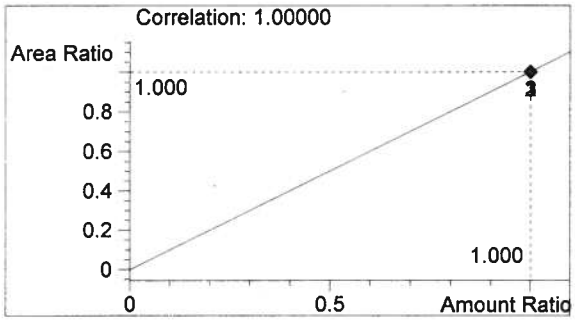


#	Compound	Area	RT
1	Ethanol	1063	1.065
2	n-Propanol	1271	1.825

Totals:



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

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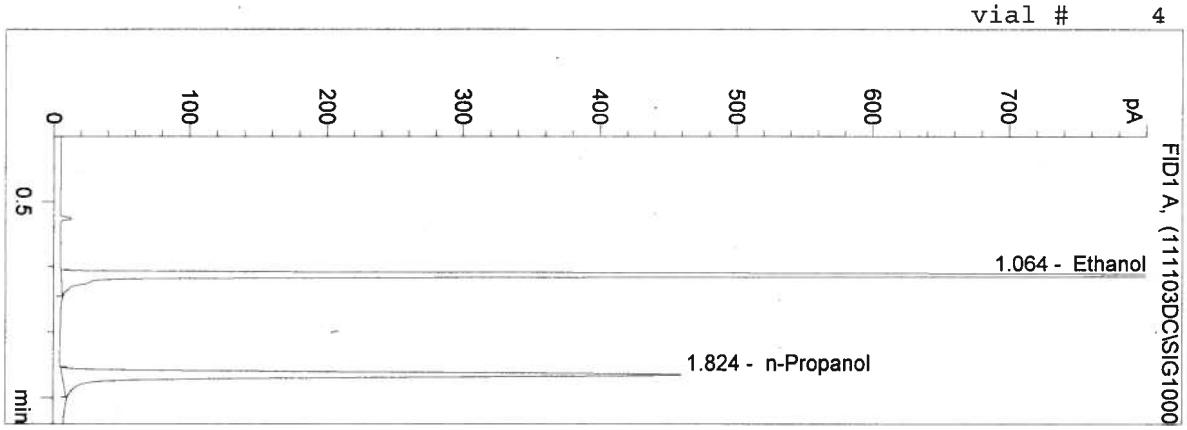
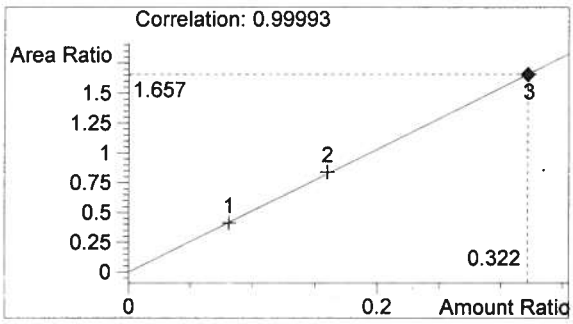
Instrument 3
DB-ALC2

0.316 CAL 3
Dawn Cox

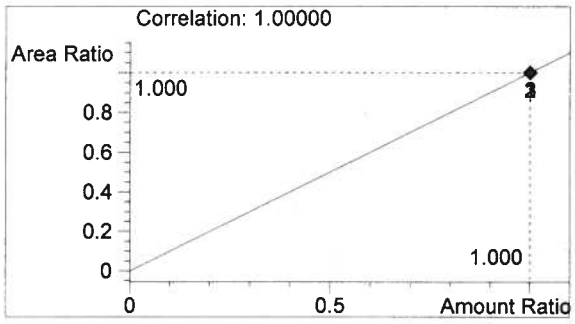
vial # 4



#	Compound	Area	RT
1	Ethanol	2111	1.064
2	n-Propanol	1274	1.824
Totals:			



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

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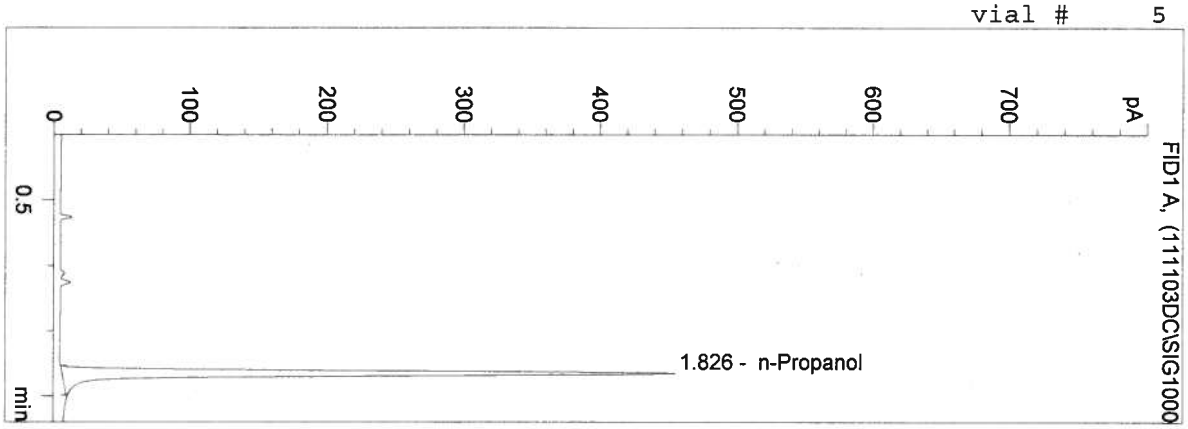
Instrument 3
DB-ALC2

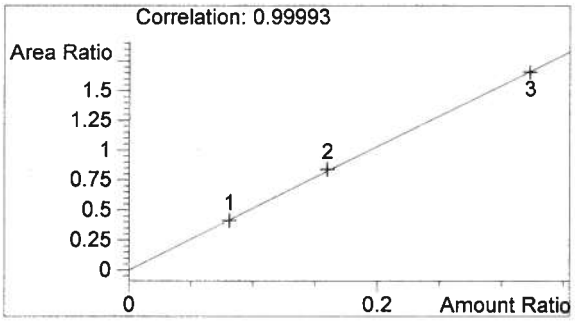
NEG CTRL-DC
Dawn Cox

vial # 5

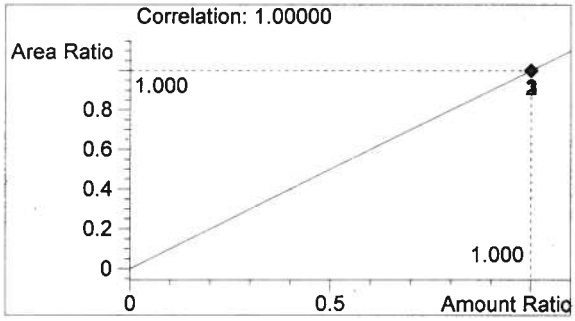


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1261	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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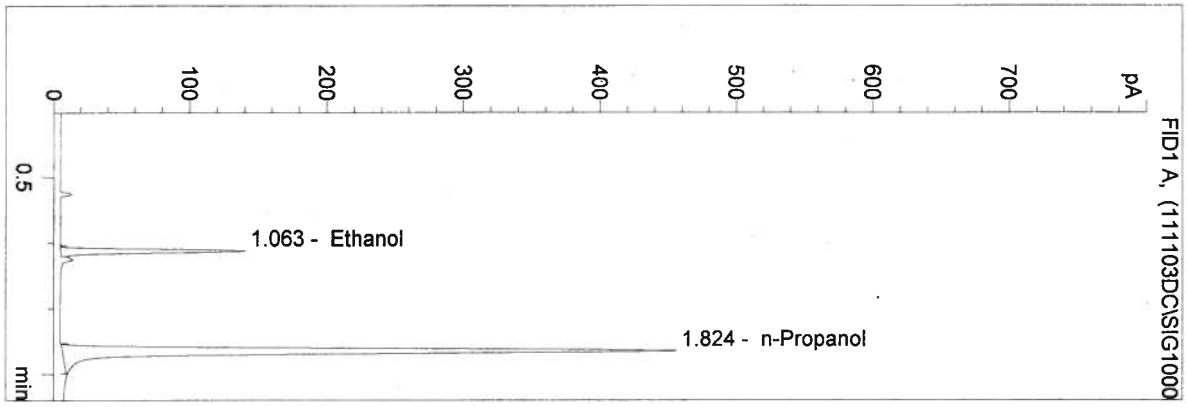
Instrument 3
DB-ALC2

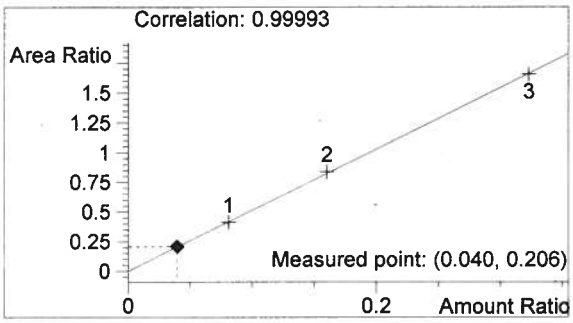
0.04 CTRL-DC
Dawn Cox

vial # 6

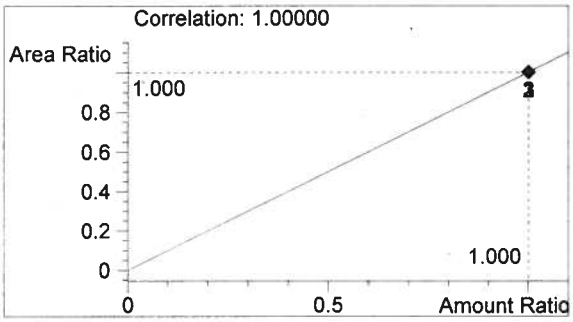


#	Compound	Area	RT
1	Ethanol	260	1.063
2	n-Propanol	1262	1.824

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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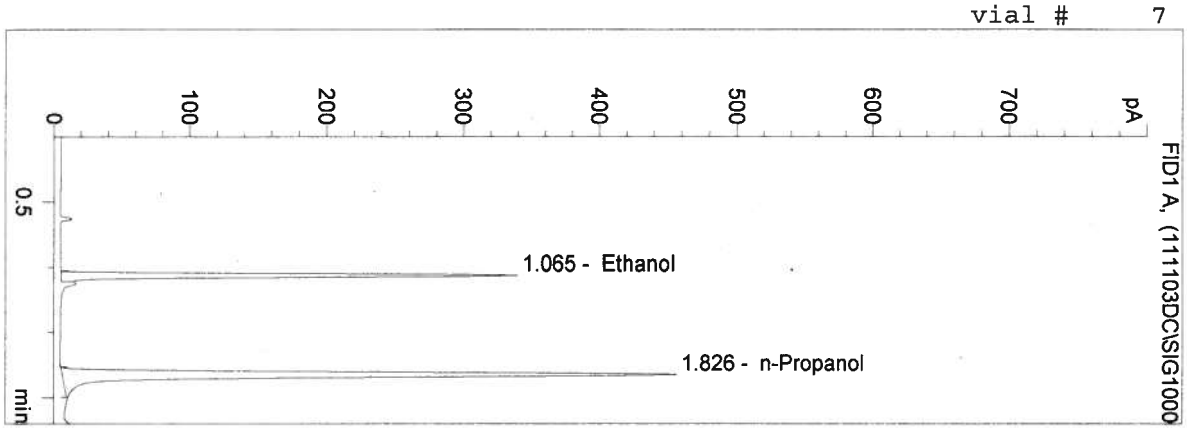
Instrument 3
DB-ALC2

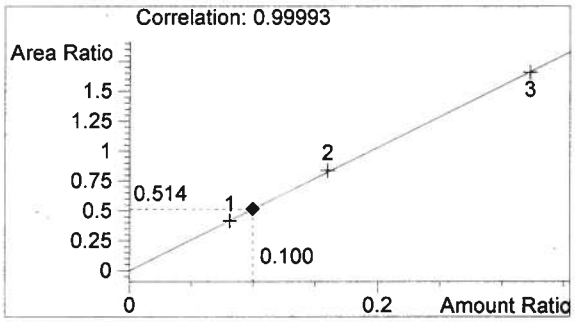
0.10 CTRL-DC
Dawn Cox

vial # 7

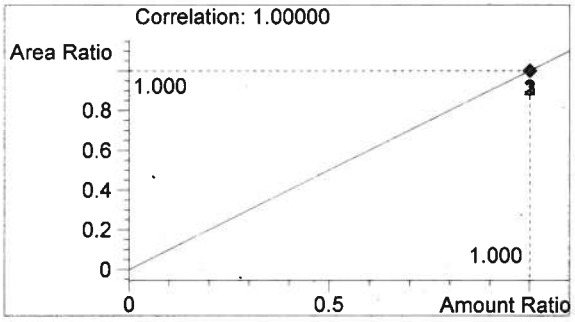


#	Compound	Area	RT
1	Ethanol	653	1.065
2	n-Propanol	1270	1.826

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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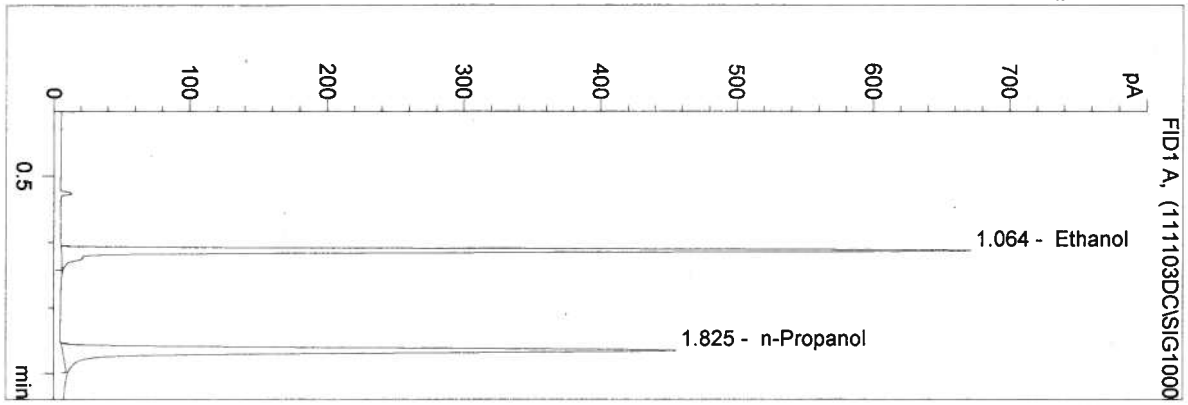
Instrument 3
DB-ALC2

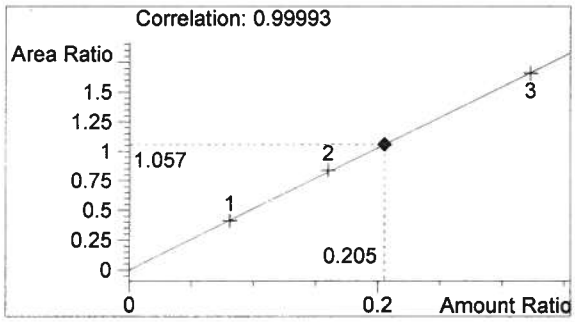
0.20 CTRL-DC
Dawn Cox

vial # 8

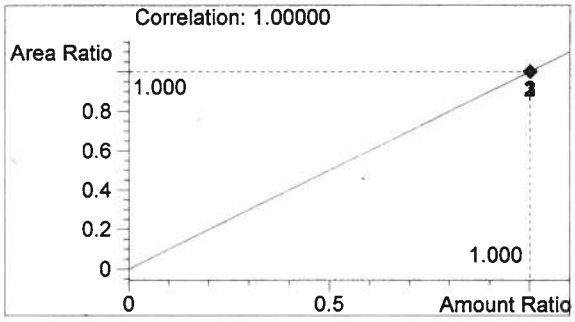


#	Compound	Area	RT
1	Ethanol	1334	1.064
2	n-Propanol	1262	1.825

Totals:



Ethanol 0.205 g/100ml



n-Propanol 1.000 g/100ml

11050

02

WASHINGTON STATE TOXICOLOGY LABORATORY

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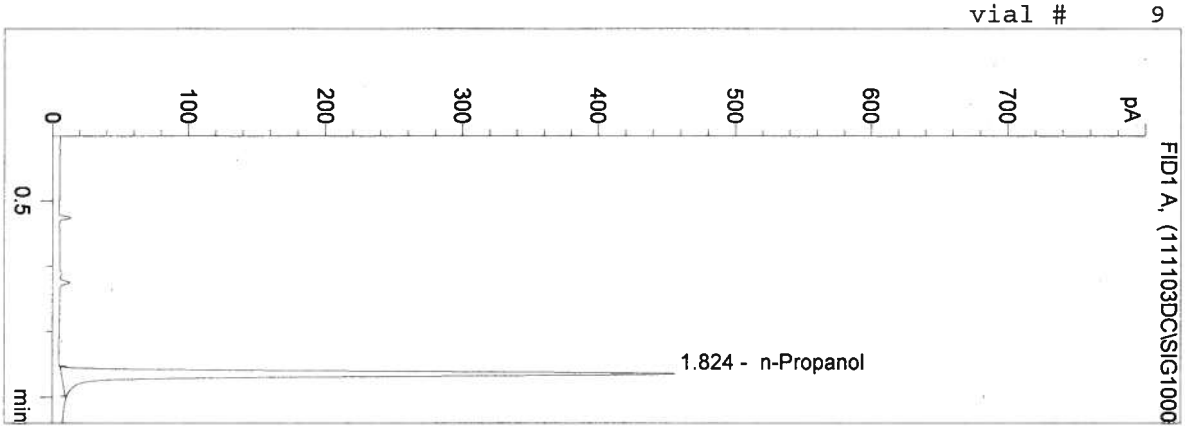
Instrument 3
DB-ALC2

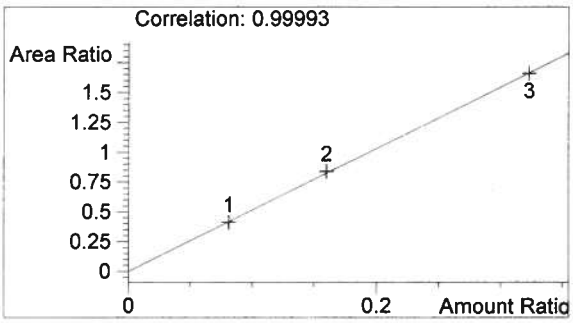
NEG CTRL-DC
Dawn Cox

vial # 9

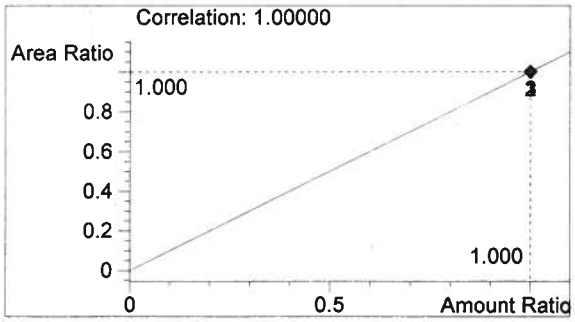


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1264	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

DC

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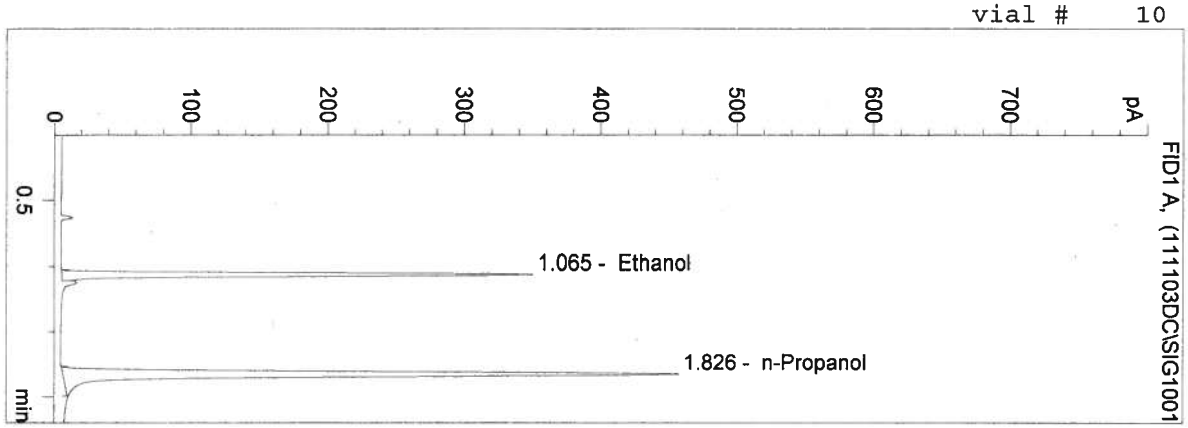
Instrument 3
DB-ALC2

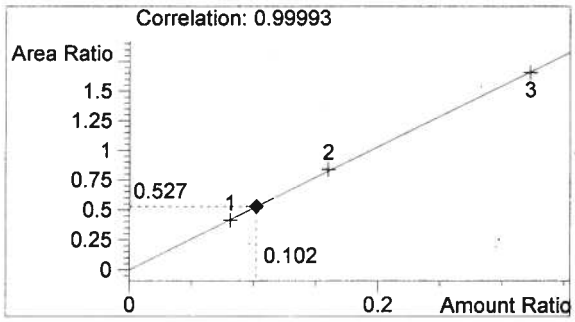
11050 #1
Dawn Cox

vial # 10

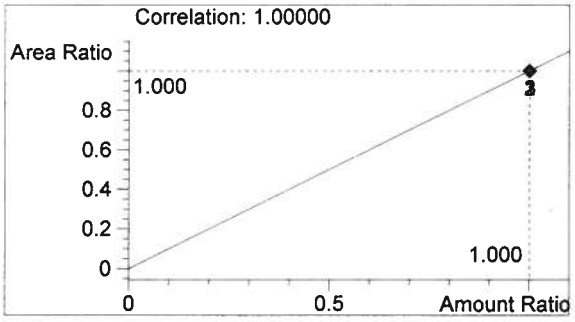


#	Compound	Area	RT
1	Ethanol	667	1.065
2	n-Propanol	1267	1.826

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

DC

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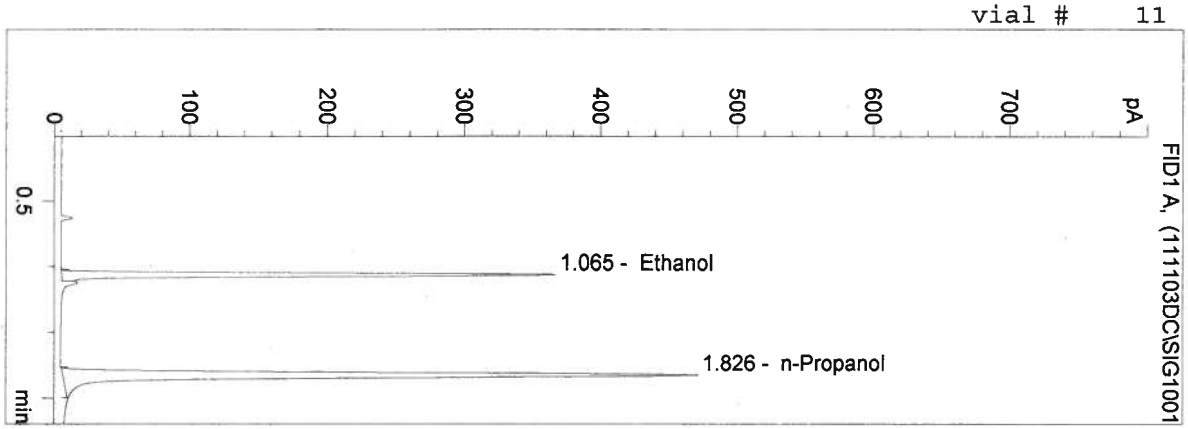
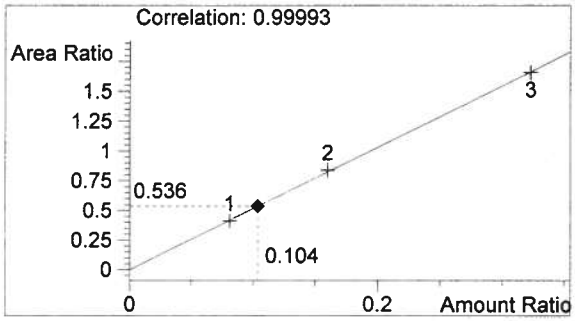
Instrument 3
DB-ALC2

11050 #2
Dawn Cox

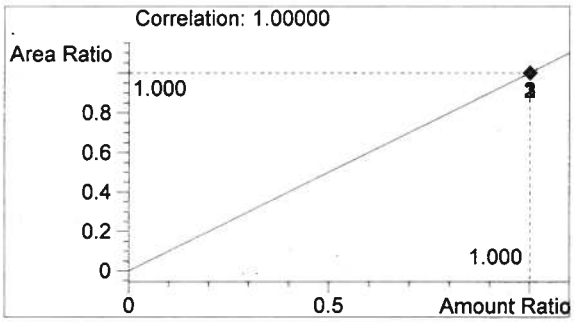
vial # 11



#	Compound	Area	RT
1	Ethanol	700	1.065
2	n-Propanol	1307	1.826
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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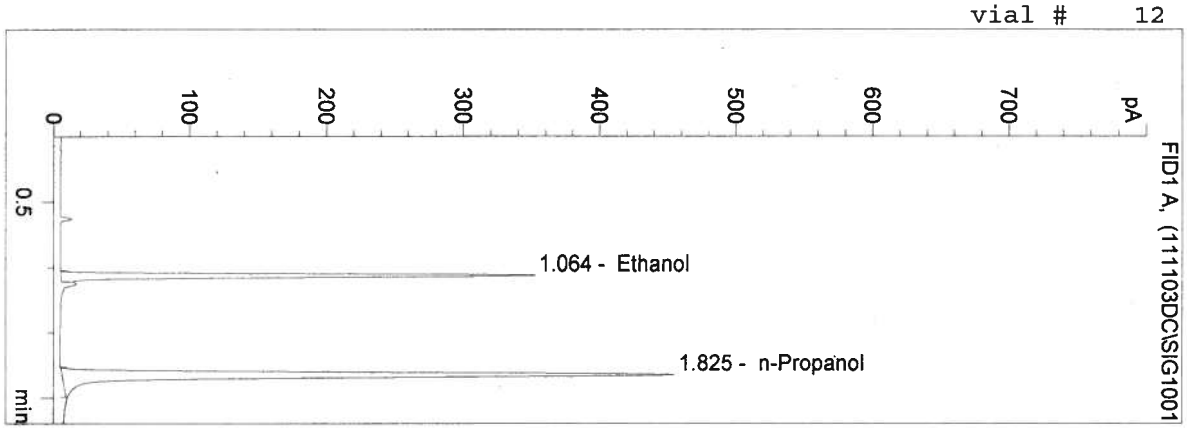
Instrument 3
DB-ALC2

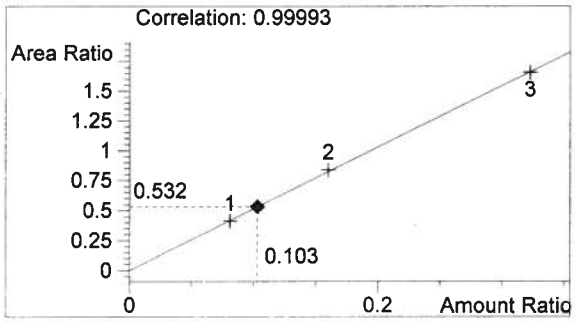
11050 #3
Dawn Cox

vial # 12

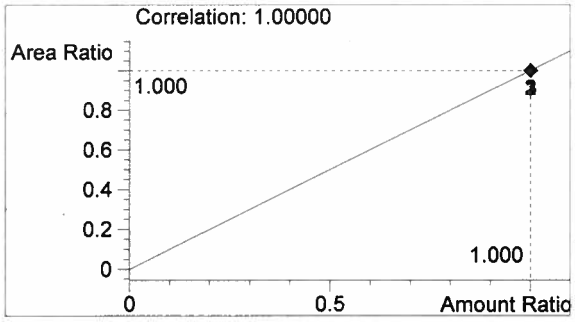


#	Compound	Area	RT
1	Ethanol	667	1.064
2	n-Propanol	1254	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

DC

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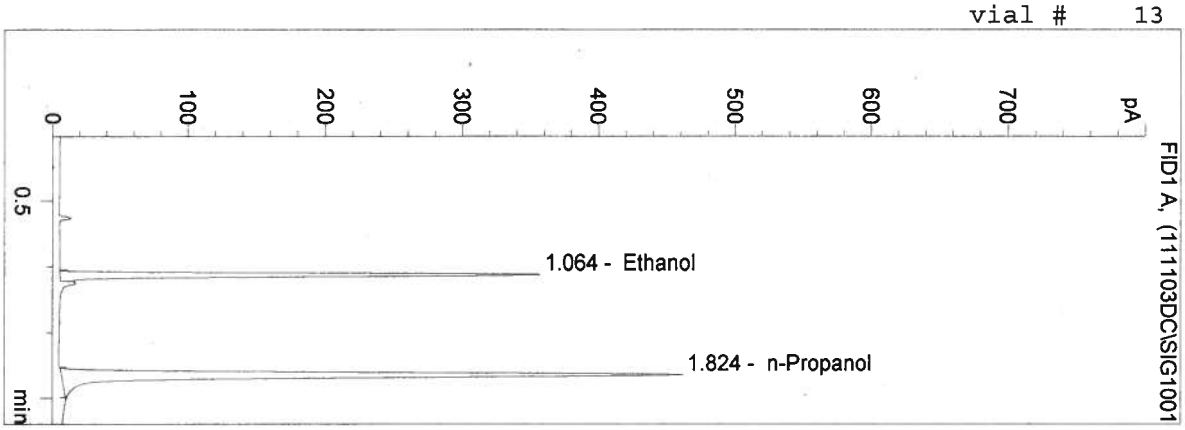
11/3/2011 2:28:02 PM
Instrument 3
DB-ALC2

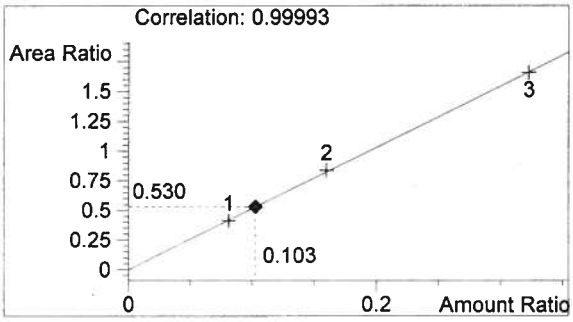
11050 #4
Dawn Cox

vial # 13

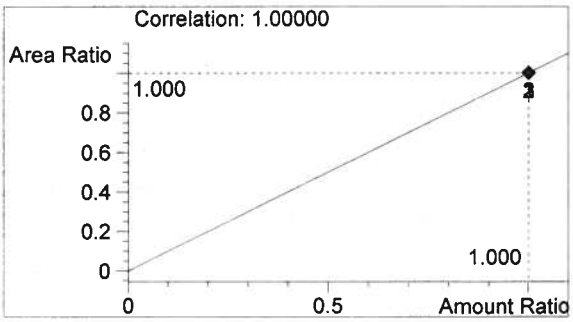


#	Compound	Area	RT
1	Ethanol	676	1.064
2	n-Propanol	1275	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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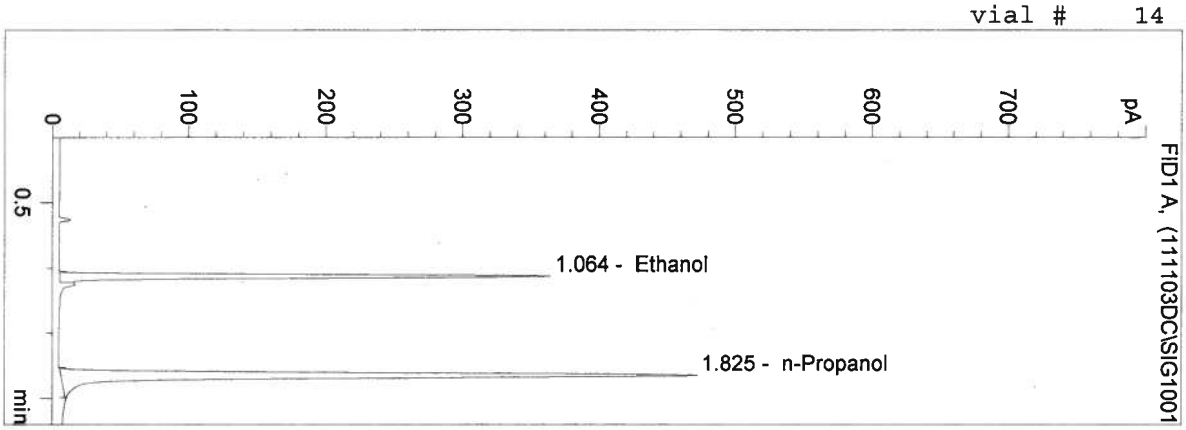
Instrument 3
DB-ALC2

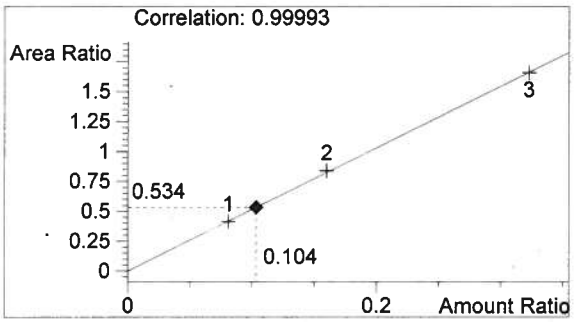
11050 #5
Dawn Cox

vial # 14

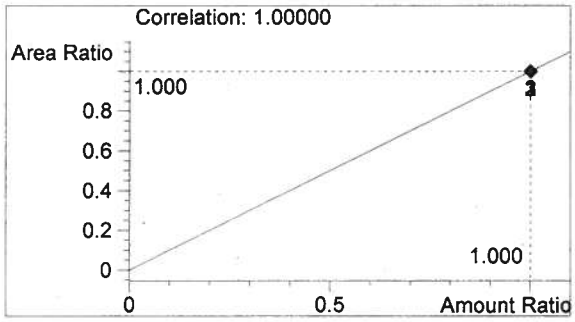


#	Compound	Area	RT
1	Ethanol	698	1.064
2	n-Propanol	1308	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

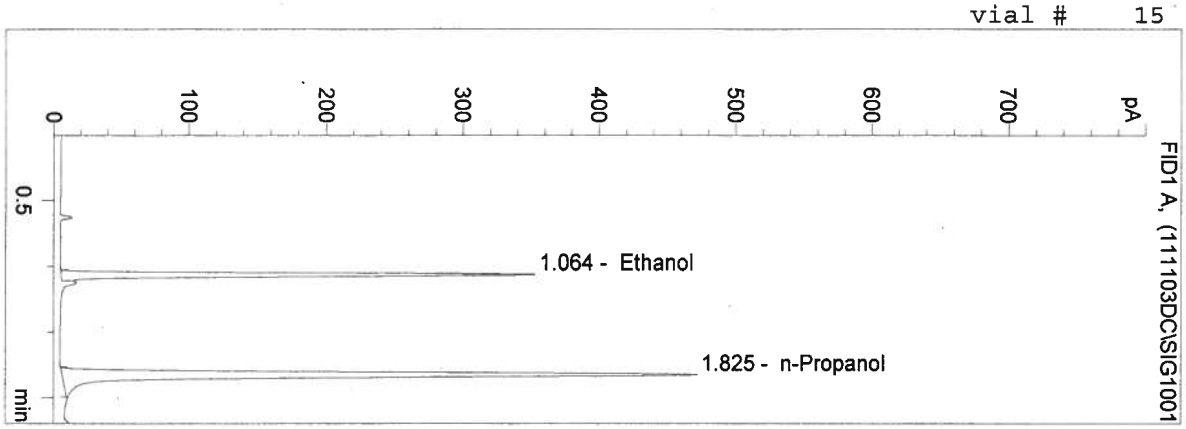
DL

WASHINGTON STATE TOXICOLOGY LABORATORY

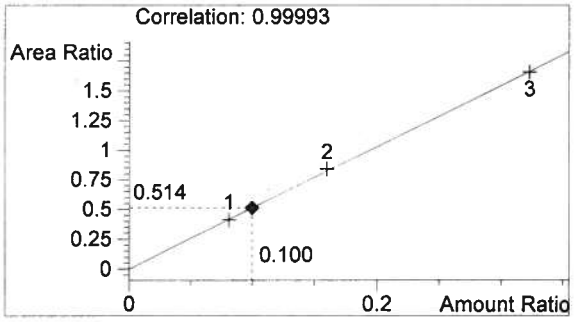
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 2:34:17 PM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

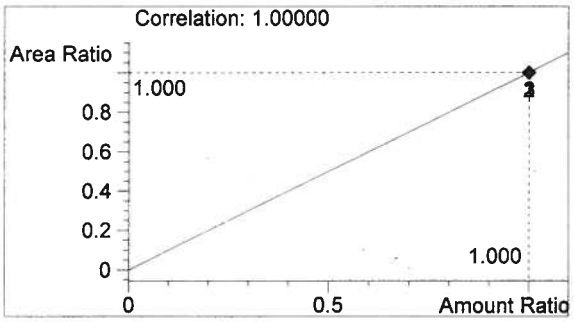
vial # 15



#	Compound	Area	RT
1	Ethanol	673	1.064
2	n-Propanol	1308	1.825
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

11050

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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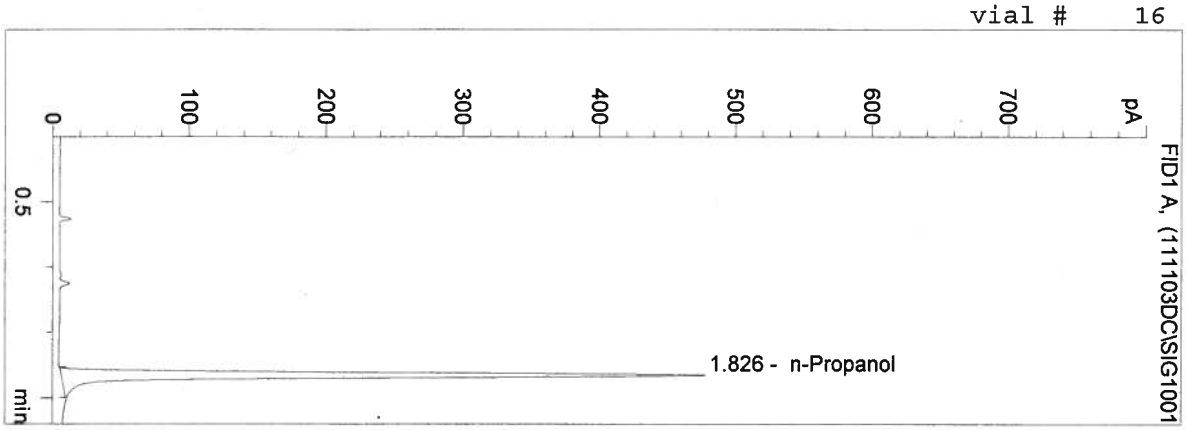
11/3/2011 2:37:24 PM
Instrument 3
DB-ALC2

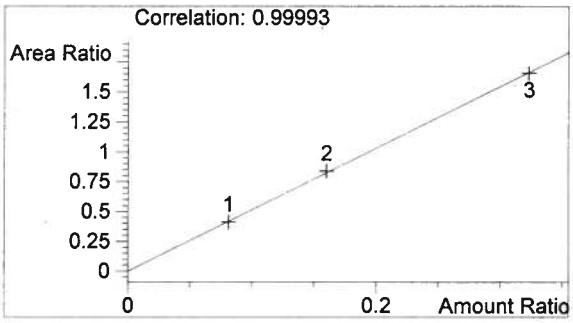
NEG CTRL-DC
Dawn Cox

vial # 16

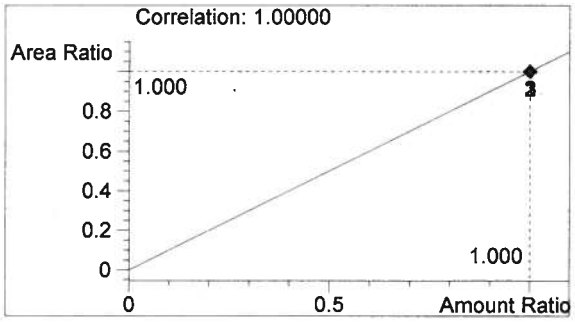


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1327	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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DC

Sequence Parameters:

Operator:	Brittany Ball
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:	111103BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
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#E0911-01 EXP 12/2011
3	Vial 3	Lot#E0911-02 EXP 12/2011
4	Vial 4	Lot#E0911-03 EXP 12/2011
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	

BB

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Sequence: C:\HPCHEM\2\SEQUENCE\BBSIM3.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-BB	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-BB	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl-BB	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl-BB	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		
10	Vial 10	11050 #1-BB	SIMALC3	1	Sample		
11	Vial 11	11050 #2-BB	SIMALC3	1	Sample		
12	Vial 12	11050 #3-BB	SIMALC3	1	Sample		
13	Vial 13	11050 #4-BB	SIMALC3	1	Sample		
14	Vial 14	11050 #5-BB	SIMALC3	1	Sample		
15	Vial 15	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG Ctrl-BB	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!

BB

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Calibration Table

Calib. Data Modified : Thursday, November 03, 2011 3:10:01 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
1.066	1	1	8.12800e-2	626.54602	1.29727e-4	1		Ethanol
		2	1.60090e-1	1247.09485	1.28370e-4			
		3	3.22750e-1	2343.76929	1.37706e-4			
1.828	1	1	1.00000	1496.02722	6.68437e-4	I1		n-Propanol
		2	1.00000	1462.61365	6.83708e-4			
		3	1.00000	1385.20496	7.21915e-4			

Peak Sum Table

No Entries in table

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Calibration Curves

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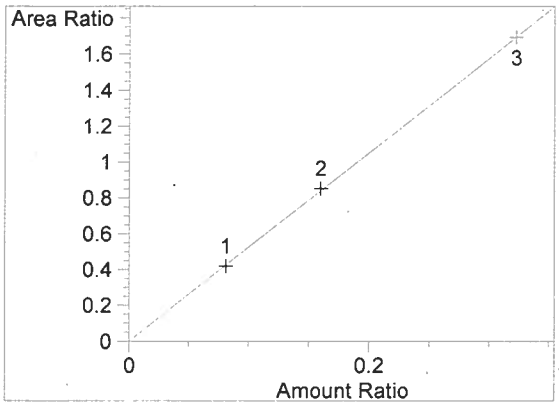
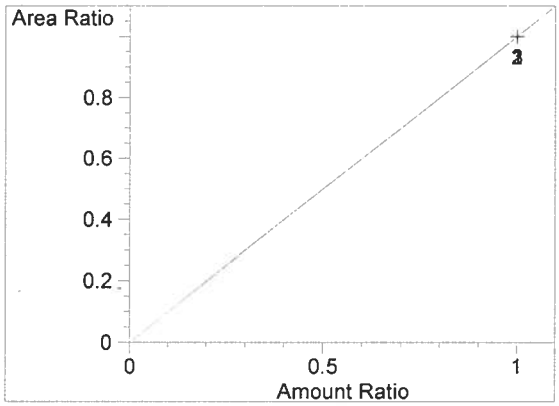


Ethanol at exp. RT: 1.066
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.01036
Formula: y = mx + b
m: 5.25461
b: -1.94075e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.828
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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BB

1165
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11.10.11

WASHINGTON STATE TOXICOLOGY LABORATORY

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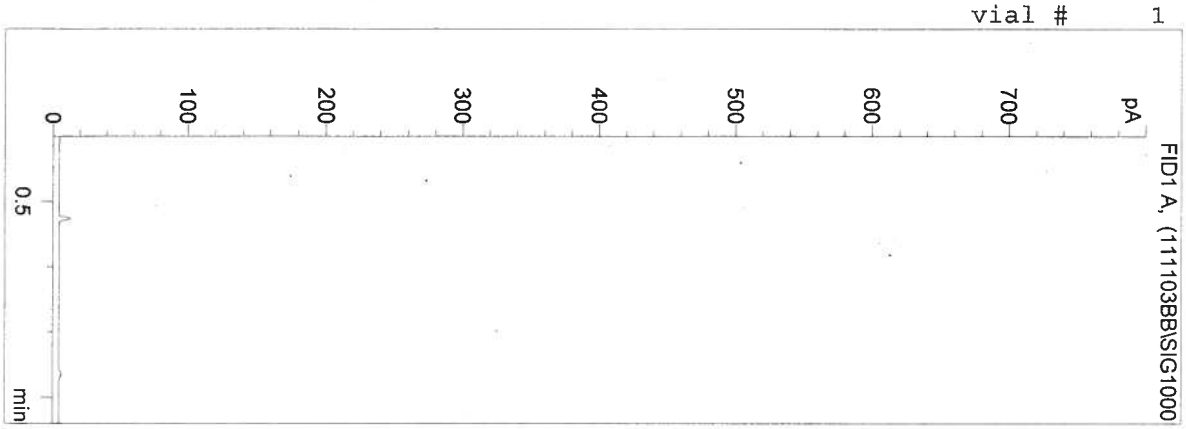
11/3/2011 2:58:26 PM
Instrument 3
DB-ALC2

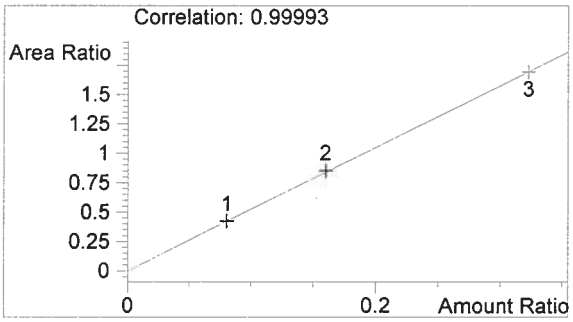
BLANK-BB
Brittany Ball

vial # 1

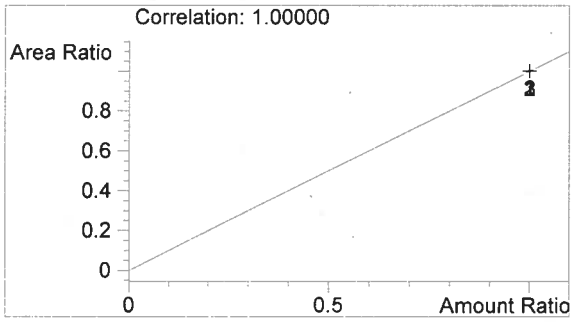


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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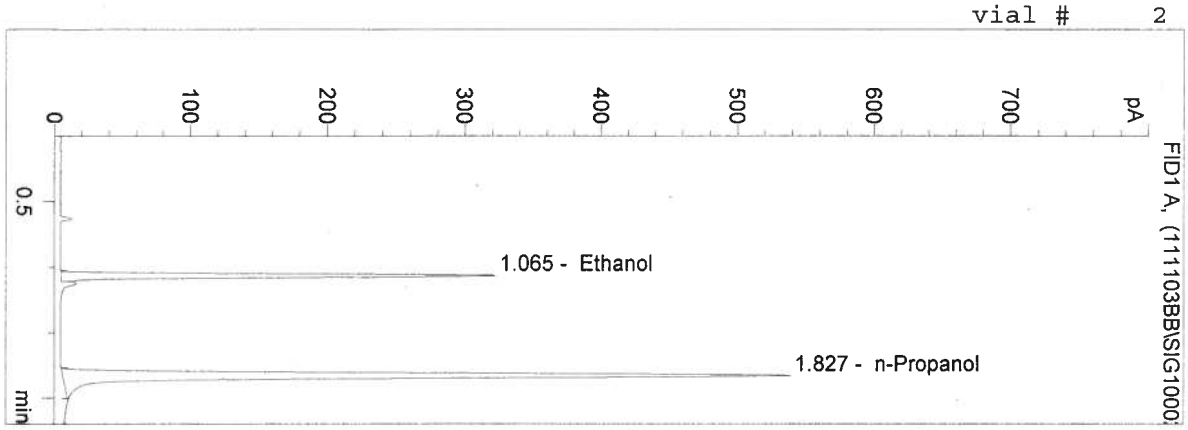
11/3/2011 3:01:34 PM
Instrument 3
DB-ALC2

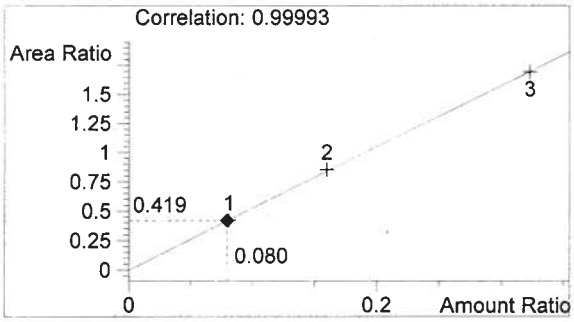
0.079 CAL 1
Brittany Ball

vial # 2

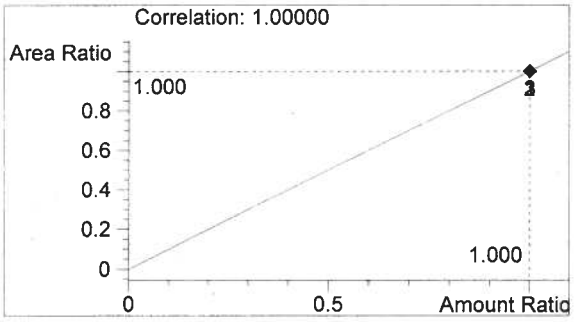


#	Compound	Area	RT
1	Ethanol	627	1.065
2	n-Propanol	1496	1.827

Totals:



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

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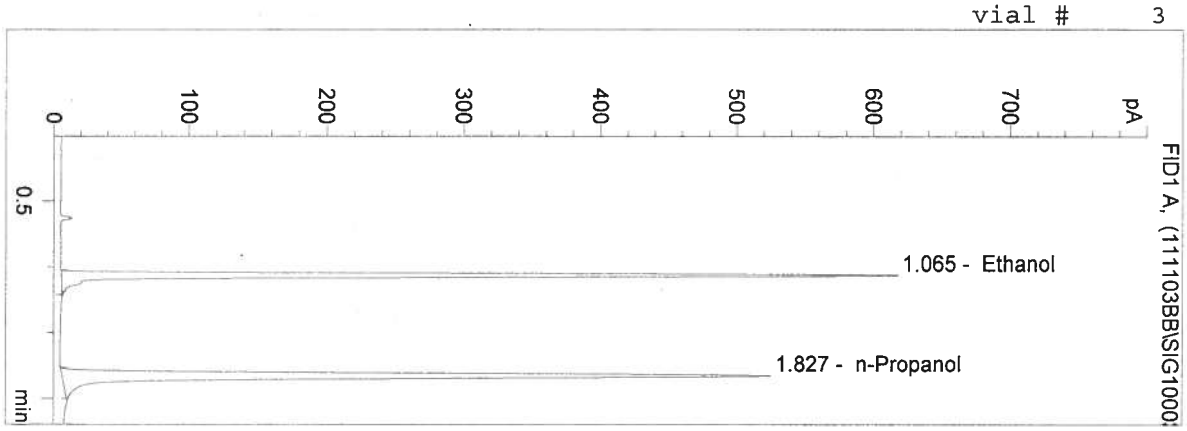
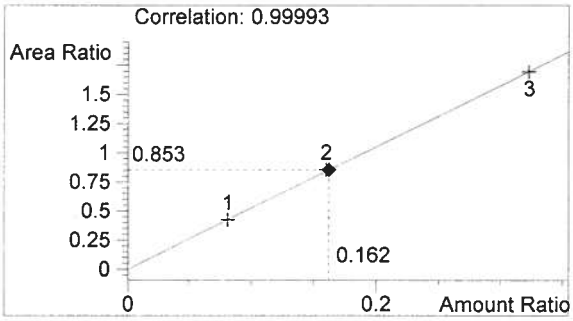
11/3/2011 3:04:41 PM
Instrument 3
DB-ALC2

0.158 CAL 2
Brittany Ball

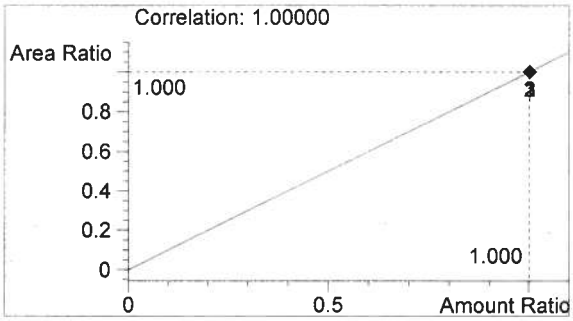
vial # 3



#	Compound	Area	RT
1	Ethanol	1247	1.065
2	n-Propanol	1463	1.827
Totals:			



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

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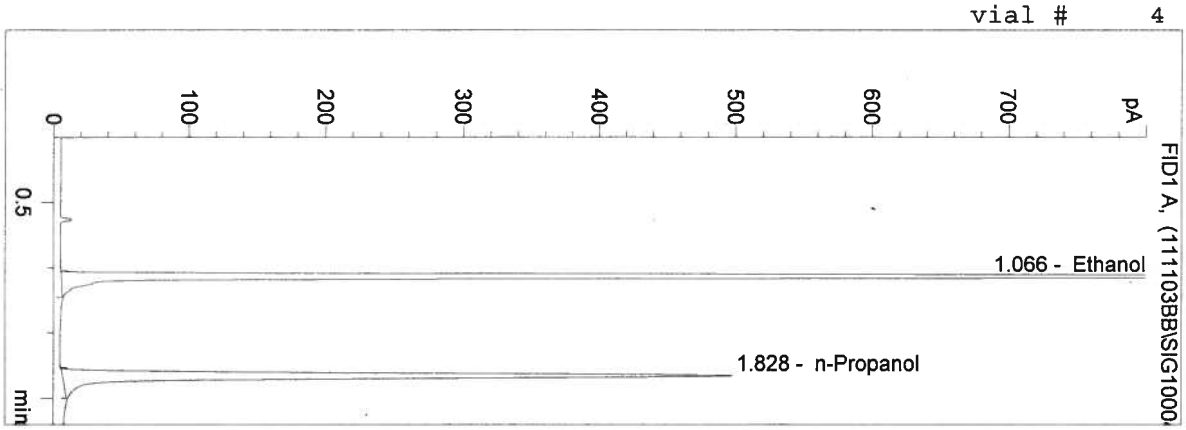
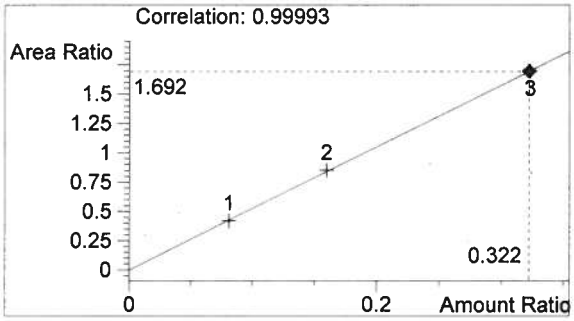
11/3/2011 3:07:48 PM
Instrument 3
DB-ALC2

0.316 CAL 3
Brittany Ball

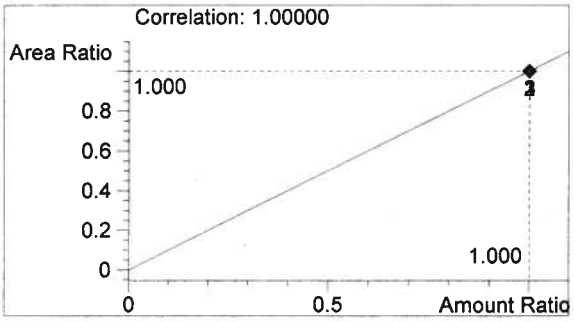
vial # 4



#	Compound	Area	RT
1	Ethanol	2344	1.066
2	n-Propanol	1385	1.828
Totals:			



Ethanol 0.322 g/100ml



n-Propanol 1.000 g/100ml

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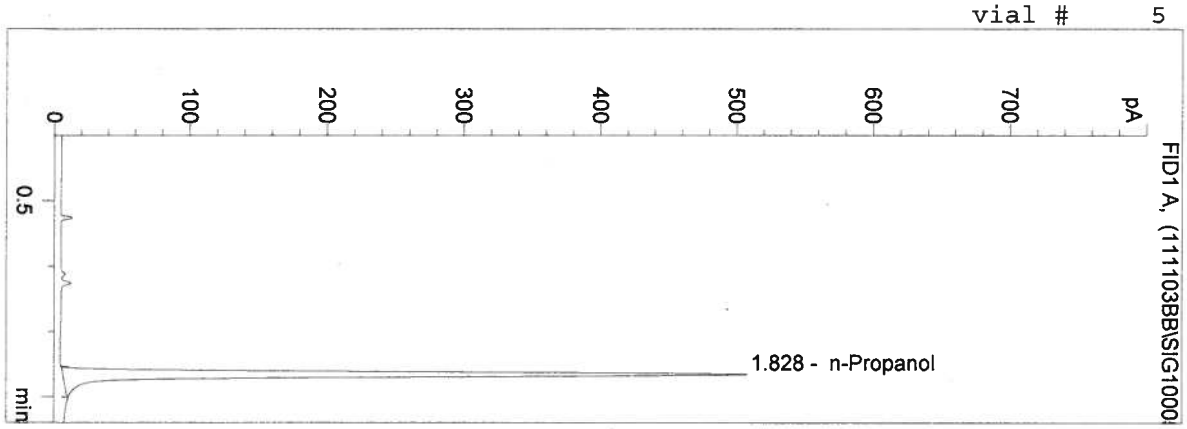
Instrument 3
DB-ALC2

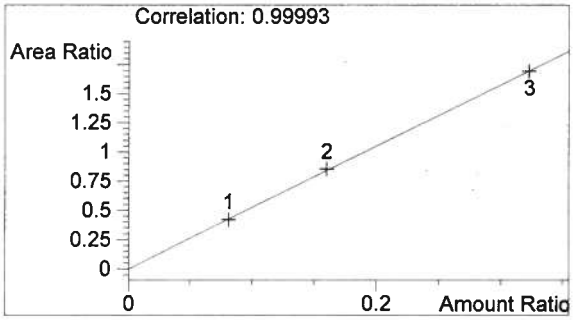
NEG Ctrl-BB
Brittany Ball

vial # 5

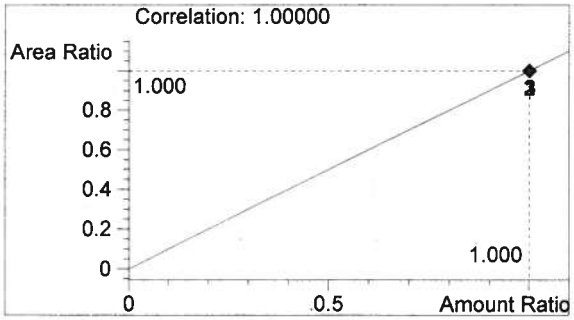


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1413	1.828

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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11.10.11

WASHINGTON STATE TOXICOLOGY LABORATORY

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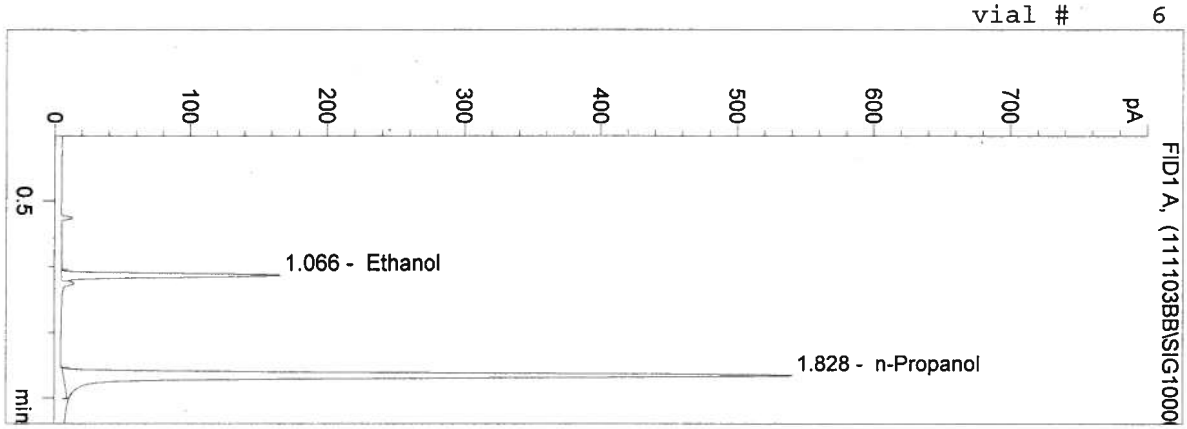
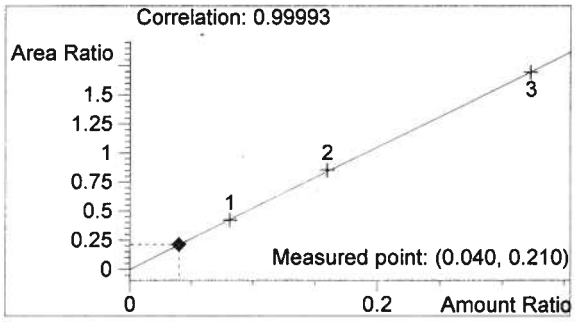
11/3/2011 3:14:03 PM
Instrument 3
DB-ALC2

0.04 Ctrl-BB
Brittany Ball

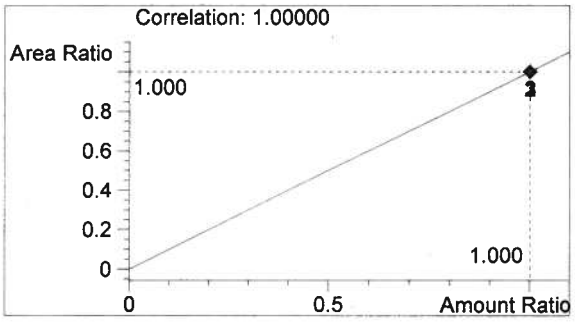
vial # 6



#	Compound	Area	RT
1	Ethanol	316	1.066
2	n-Propanol	1503	1.828
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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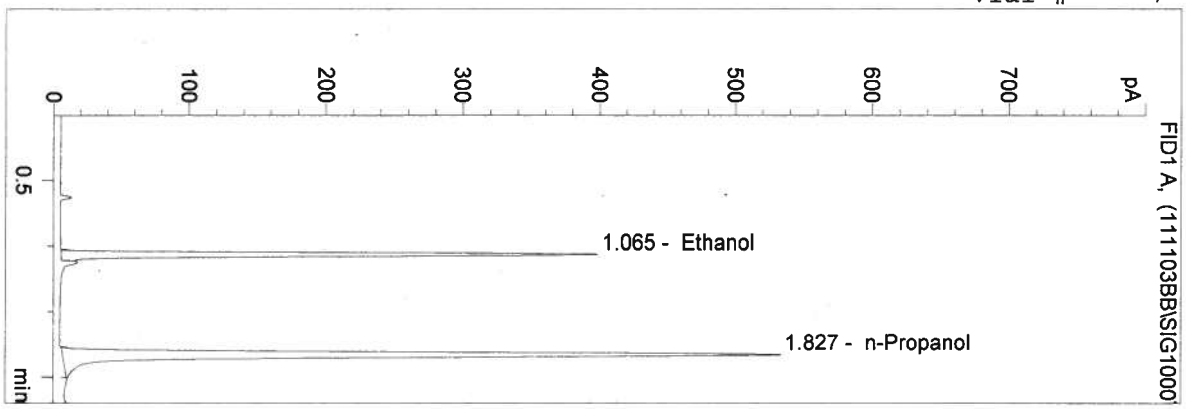
11/3/2011 3:17:11 PM
Instrument 3
DB-ALC2

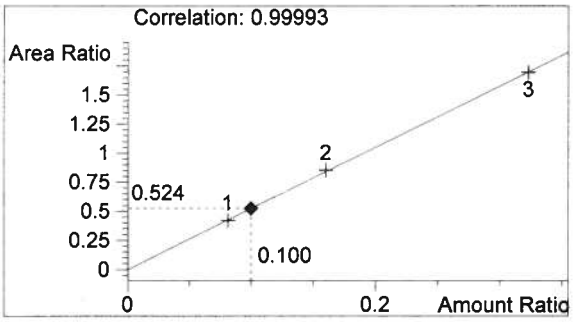
0.10 Ctrl-BB
Brittany Ball

vial # 7

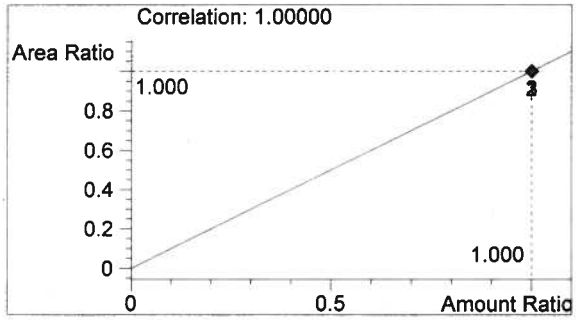


#	Compound	Area	RT
1	Ethanol	778	1.065
2	n-Propanol	1483	1.827

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

BB

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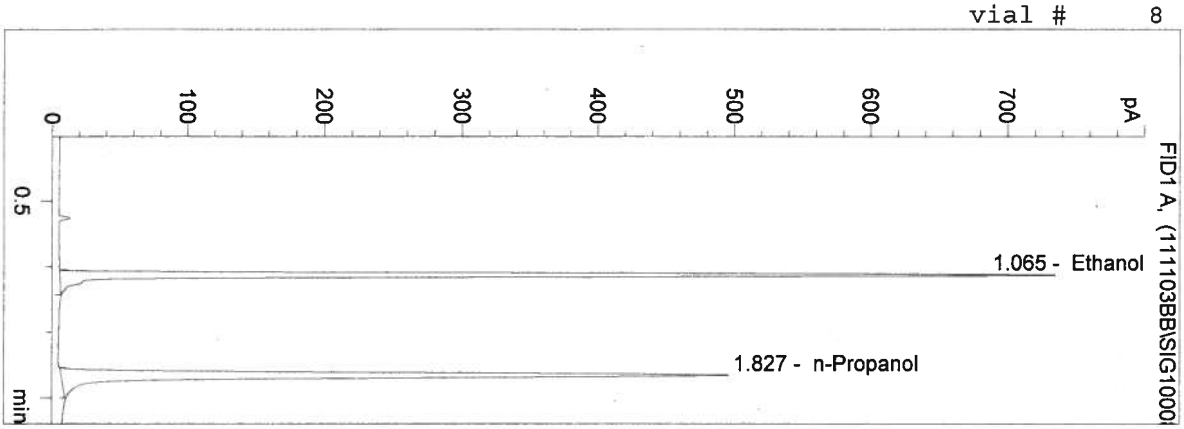
11/3/2011 3:20:18 PM
Instrument 3
DB-ALC2

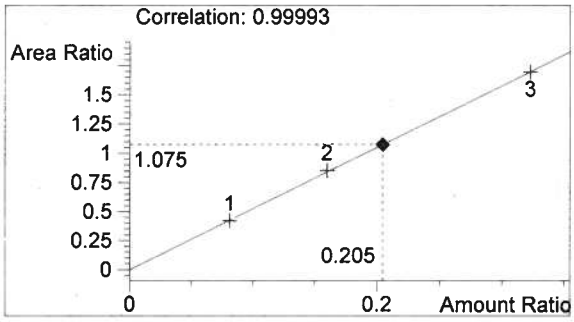
0.20 Ctrl-BB
Brittany Ball

vial # 8

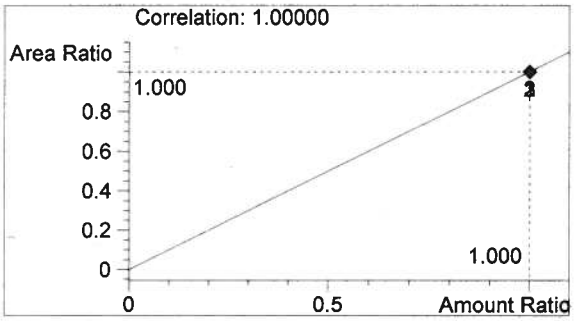


#	Compound	Area	RT
1	Ethanol	1477	1.065
2	n-Propanol	1374	1.827

Totals:



Ethanol 0.205 g/100ml



n-Propanol 1.000 g/100ml

BB

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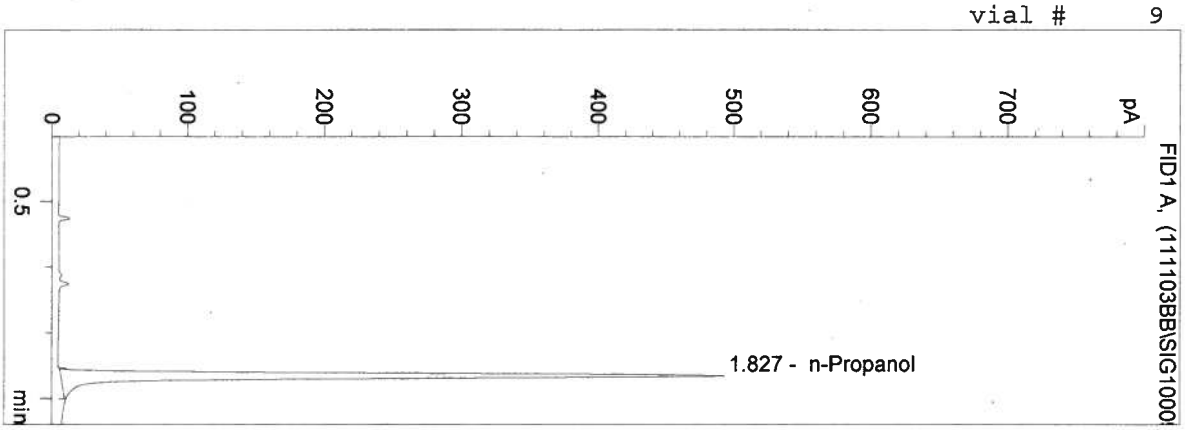
WASHINGTON STATE TOXICOLOGY LABORATORY

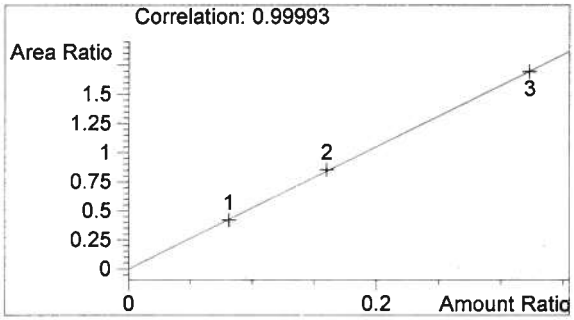
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 3:23:25 PM
Instrument 3
DB-ALC2

NEG Ctrl-BB
Brittany Ball

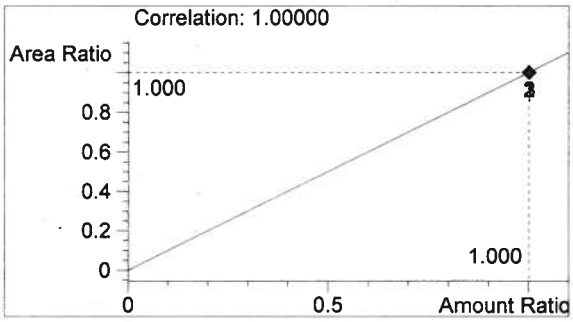
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1371	1.827
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

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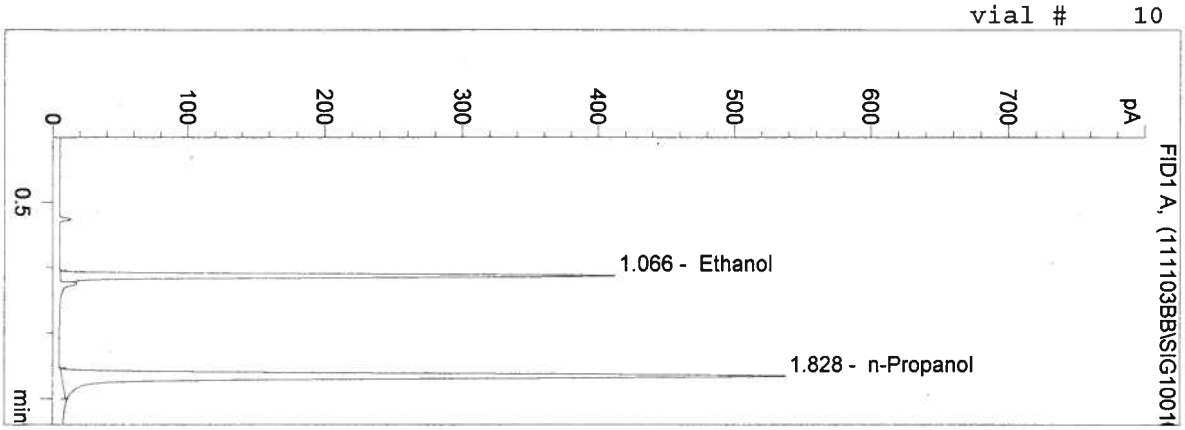
WASHINGTON STATE TOXICOLOGY LABORATORY

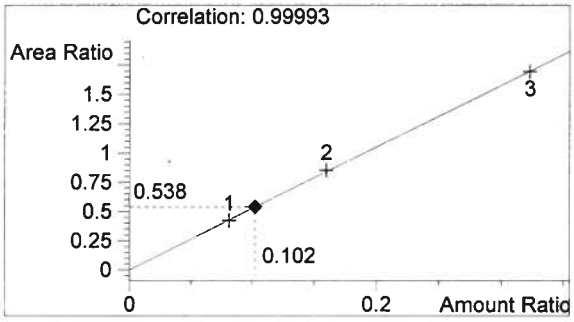
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 3:26:32 PM
Instrument 3
DB-ALC2

11050 #1-BB
Brittany Ball

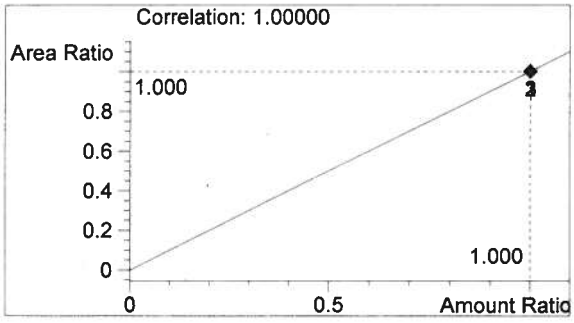
vial # 10



#	Compound	Area	RT
1	Ethanol	804	1.066
2	n-Propanol	1494	1.828
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

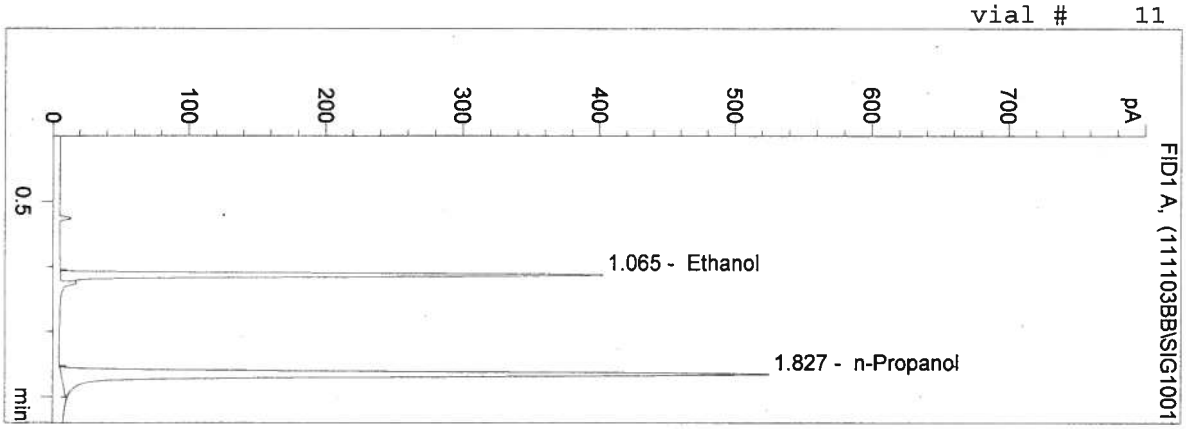
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 3:29:39 PM
Instrument 3
DB-ALC2

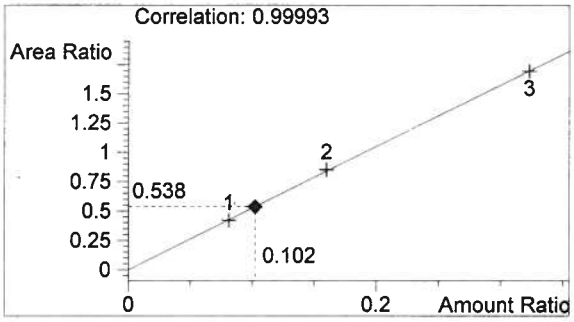
11050 #2-BB
Brittany Ball

vial # 11

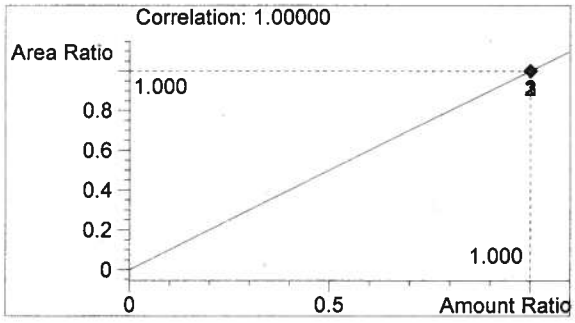


#	Compound	Area	RT
1	Ethanol	787	1.065
2	n-Propanol	1463	1.827

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

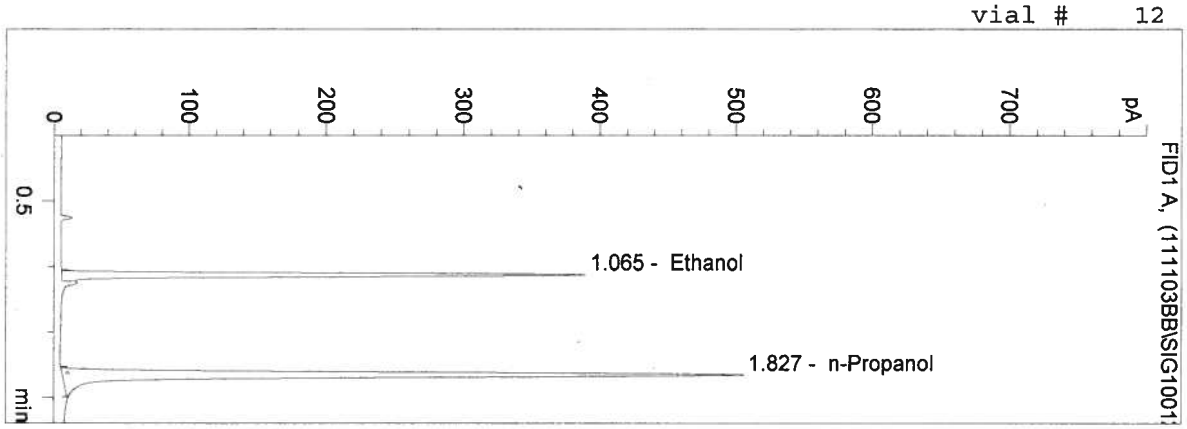
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 3:32:46 PM
Instrument 3
DB-ALC2

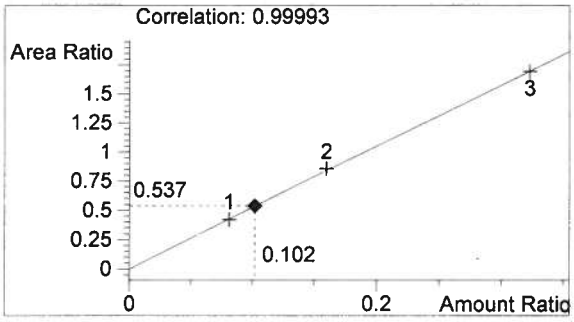
11050 #3-BB
Brittany Ball

vial # 12

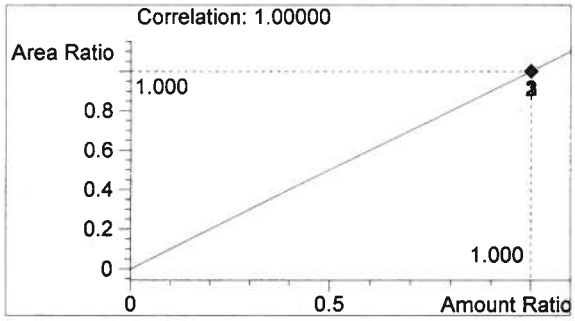


#	Compound	Area	RT
1	Ethanol	756	1.065
2	n-Propanol	1407	1.827

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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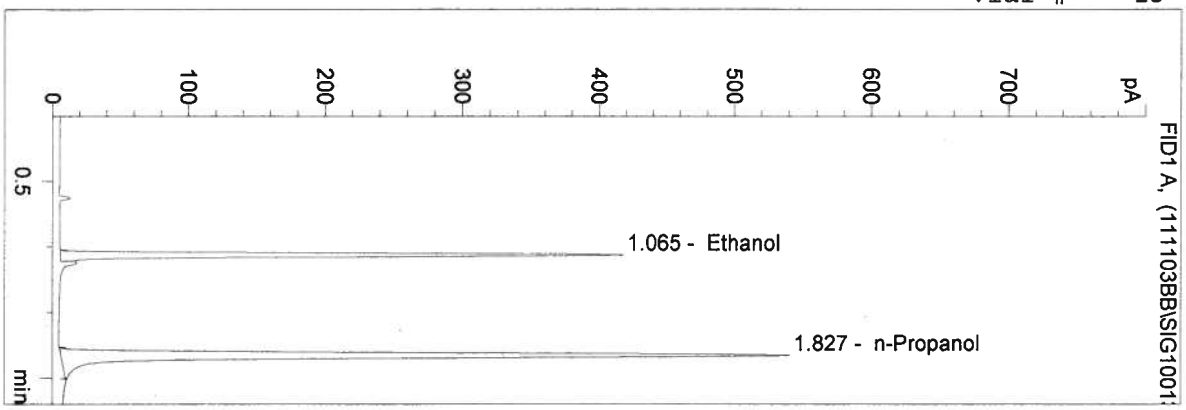
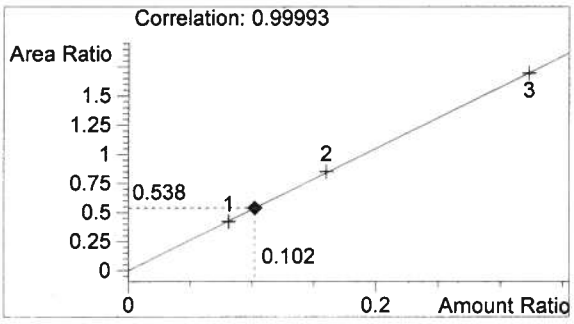
11/3/2011 3:35:54 PM
Instrument 3
DB-ALC2

11050 #4-BB
Brittany Ball

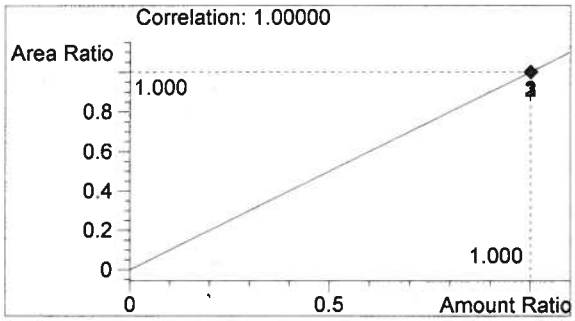
vial # 13



#	Compound	Area	RT
1	Ethanol	809	1.065
2	n-Propanol	1505	1.827
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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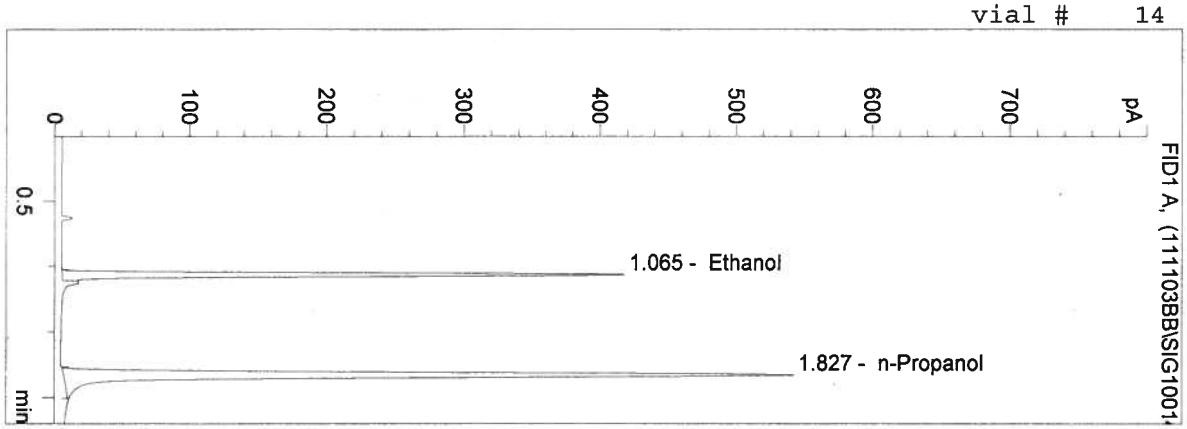
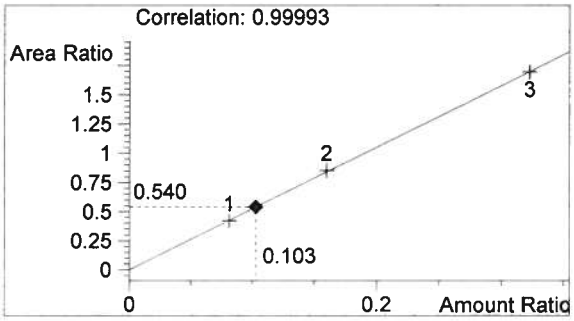
11/3/2011 3:39:01 PM
Instrument 3
DB-ALC2

11050 #5-BB
Brittany Ball

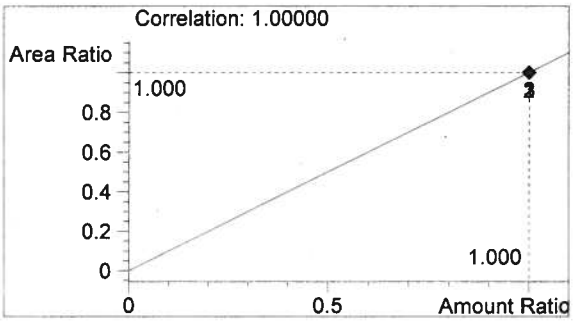
vial # 14



#	Compound	Area	RT
1	Ethanol	812	1.065
2	n-Propanol	1503	1.827
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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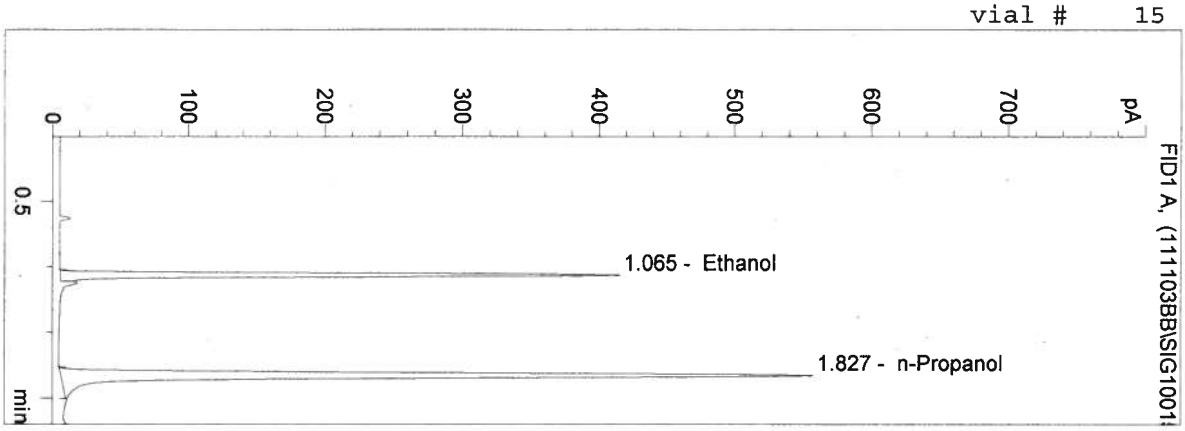
11/3/2011 3:42:08 PM
Instrument 3
DB-ALC2

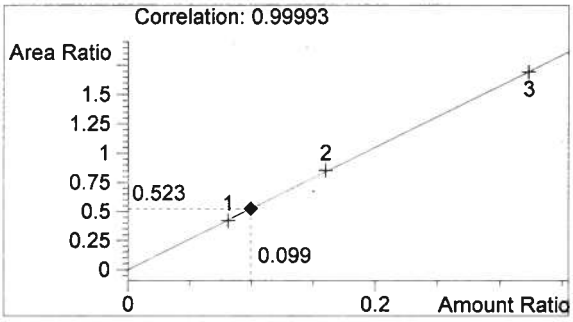
0.10 Ctrl-BB
Brittany Ball

vial # 15

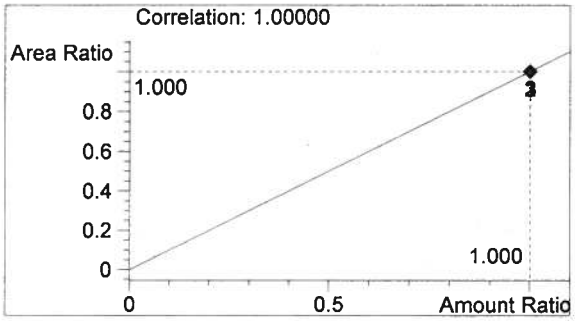


#	Compound	Area	RT
1	Ethanol	810	1.065
2	n-Propanol	1550	1.827

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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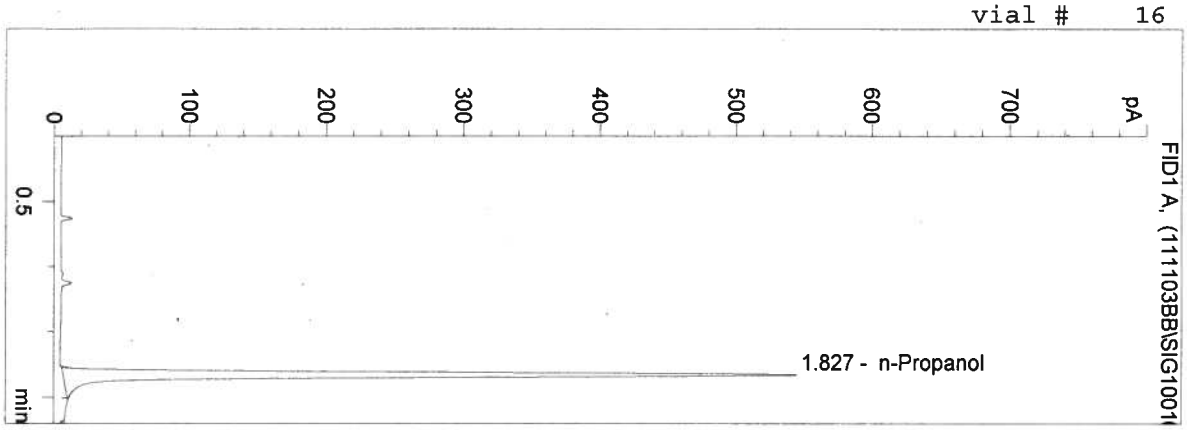
C:\HPCHEM\2\METHODS\SIMALC3.M
11/3/2011 3:45:16 PM
Instrument 3
DB-ALC2

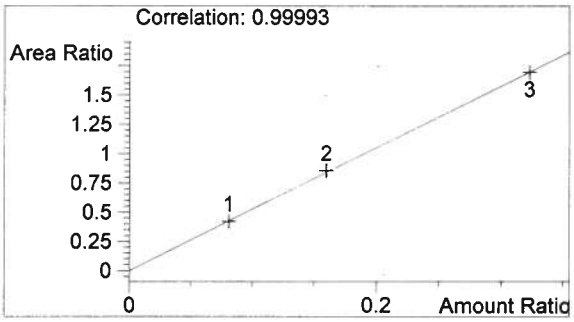
NEG Ctrl-BB
Brittany Ball

vial # 16

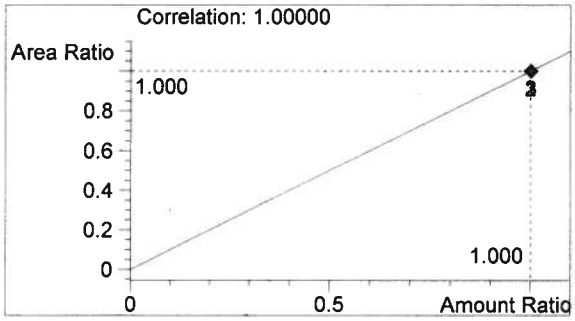


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1515	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BB

11050

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
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:	111107NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0911-01 - exp 12/05/2011
Cal 2- Lot# E0911-02 - exp 12/05/2011
Cal 3- Lot# E0911-03 - exp 12/05/2011

0.04 Control - Lot # A075264 - exp 10/2014
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# E0911-01
3	Vial 3	Lot# E0911-02
4	Vial 4	Lot# E0911-03
5	Vial 5	
6	Vial 6	Lot# A075264
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	

11050

NN

Sequence: C:\HPCHEM\2\SEQUENCE\NNESS3.S

Line	Location	Sample Information
15	Vial 15	Lot#A075806
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-NN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-NN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-NN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-NN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-NN	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 11050-1	SIMALC3	1	Sample		
11	Vial 11	ESS 11050-2	SIMALC3	1	Sample		
12	Vial 12	ESS 11050-3	SIMALC3	1	Sample		
13	Vial 13	ESS 11050-4	SIMALC3	1	Sample		
14	Vial 14	ESS 11050-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-NN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-NN	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!

11050

NN

Calibration Table

Calib. Data Modified : Monday, November 07, 2011 4:26:47 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
1.064	1	1	8.12800e-2	516.45239	1.57381e-4	1		Ethanol
		2	1.60090e-1	1017.75818	1.57297e-4			
		3	3.22750e-1	2075.66504	1.55492e-4			
1.823	1	1	1.00000	1241.11523	8.05727e-4	I1		n-Propanol
		2	1.00000	1232.53101	8.11339e-4			
		3	1.00000	1229.97375	8.13025e-4			

Peak Sum Table

No Entries in table

11050

NN

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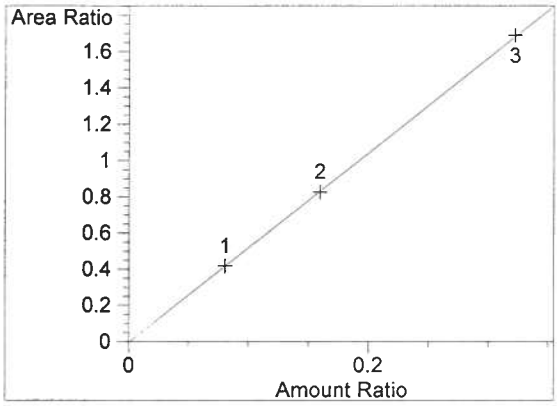
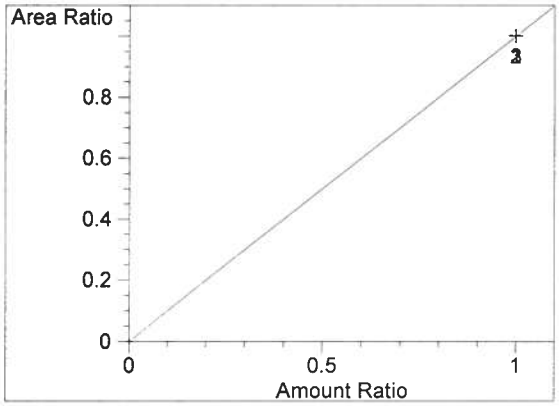
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00718
Formula: y = mx + b
m: 5.23425
b: -5.82706e-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

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11050

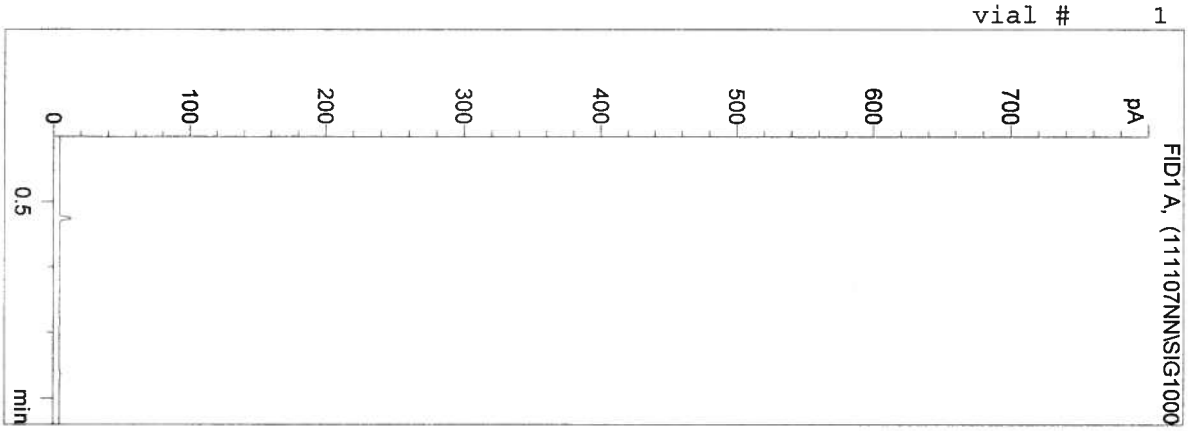
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:15:12 PM
Instrument 3
DB-ALC2

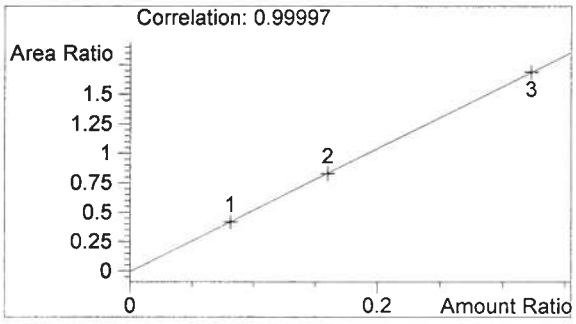
BLANK
Naziha Nuwayhid, PhD

vial # 1

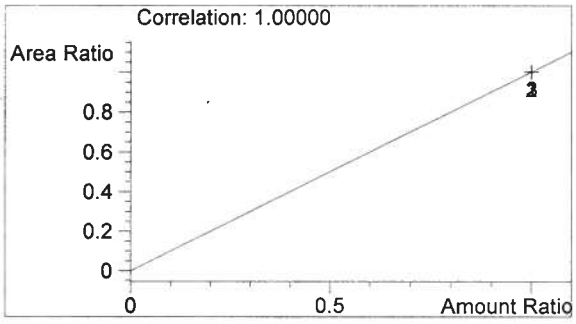


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11050

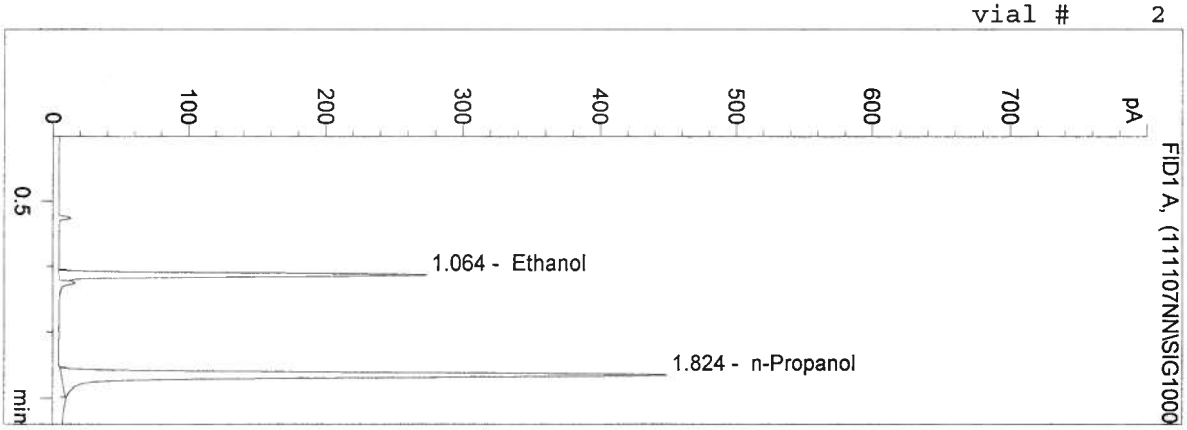
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

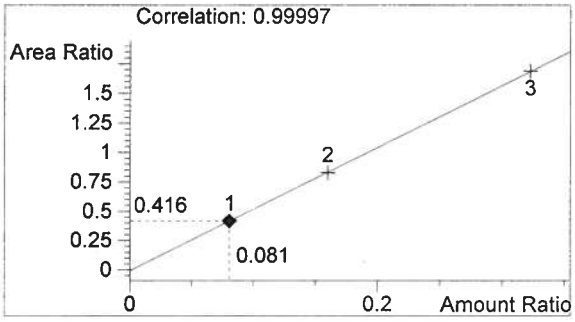
C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:18:20 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Naziha Nuwayhid, PhD

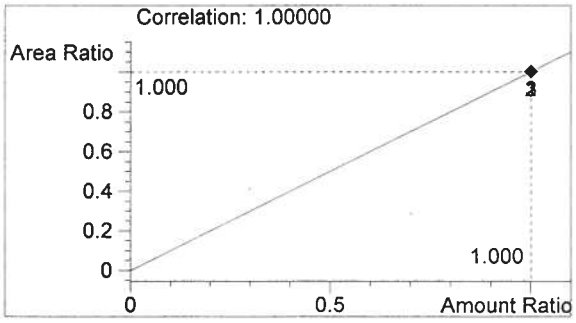
vial # 2



#	Compound	Area	RT
1	Ethanol	516	1.064
2	n-Propanol	1241	1.824
Totals:			



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

11050

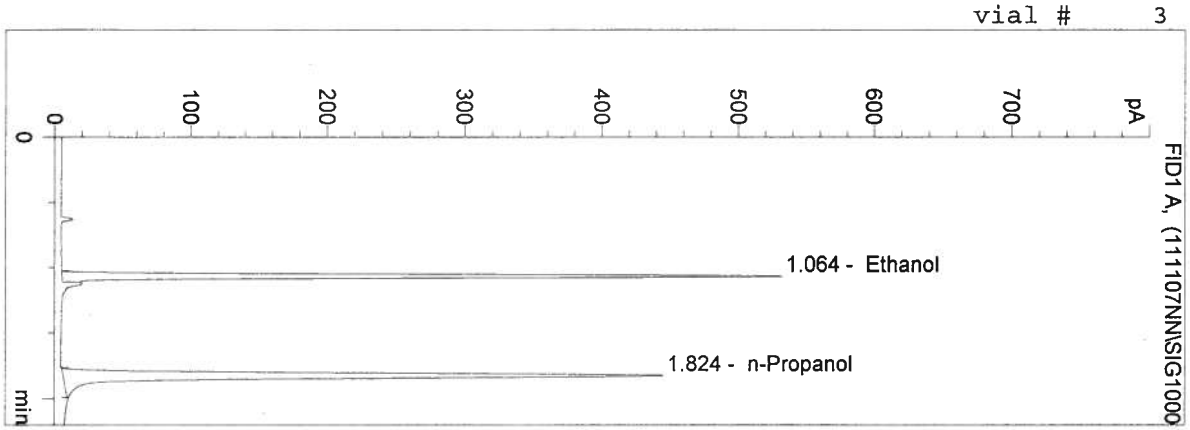
WN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:21:27 PM
Instrument 3
DB-ALC2

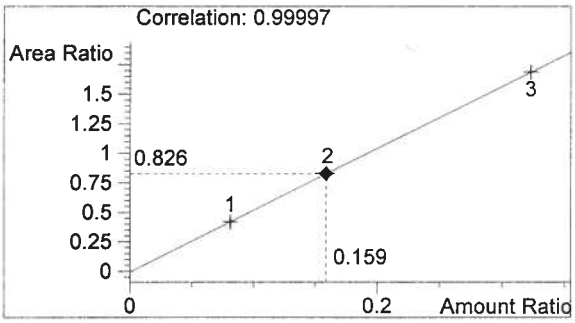
0.158 CAL 2
Naziha Nuwayhid, PhD

vial # 3

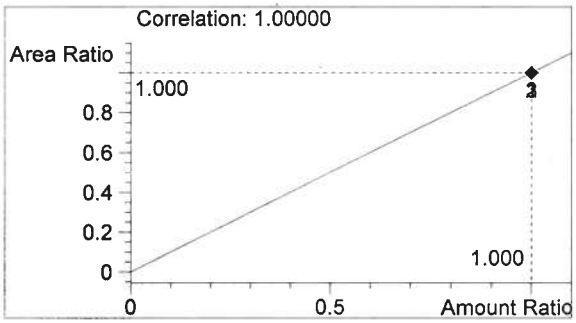


#	Compound	Area	RT
1	Ethanol	1018	1.064
2	n-Propanol	1233	1.824

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

11050

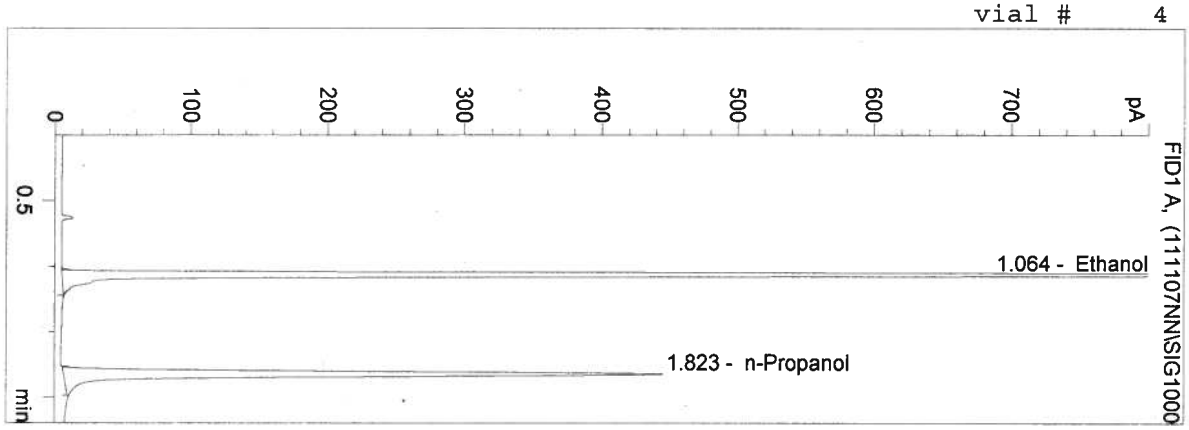
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

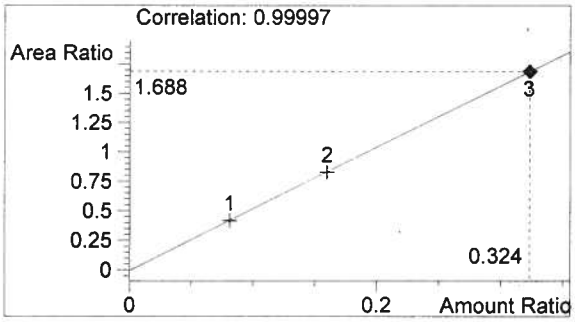
C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:24:35 PM
Instrument 3
DB-ALC2

0.316 CAL 3
Naziha Nuwayhid, PhD

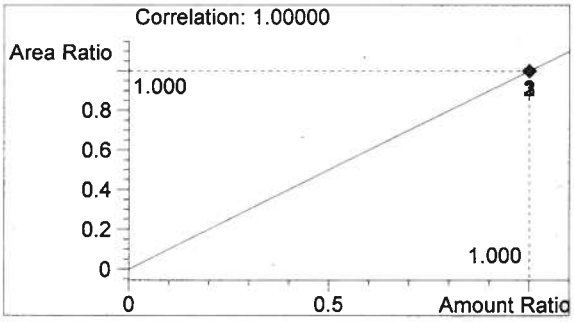
vial # 4



#	Compound	Area	RT
1	Ethanol	2076	1.064
2	n-Propanol	1230	1.823
Totals:			



Ethanol 0.324 g/100ml



n-Propanol 1.000 g/100ml

11050

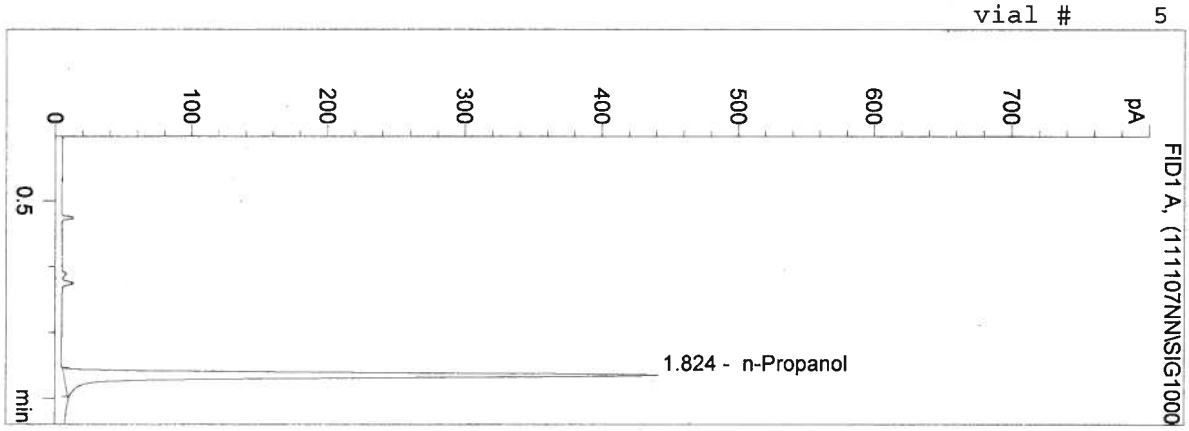
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:27:42 PM
Instrument 3
DB-ALC2

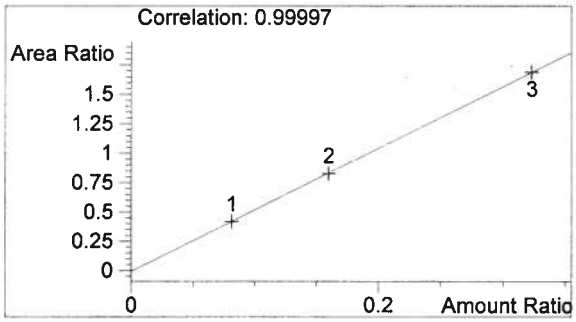
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 5

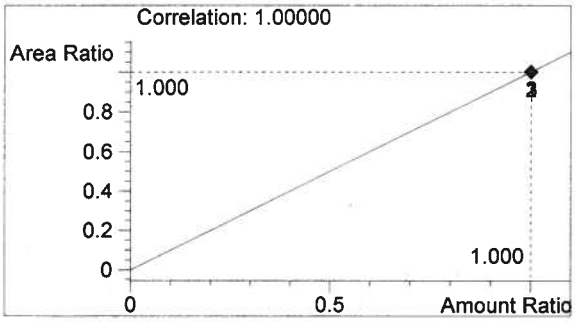


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1219	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

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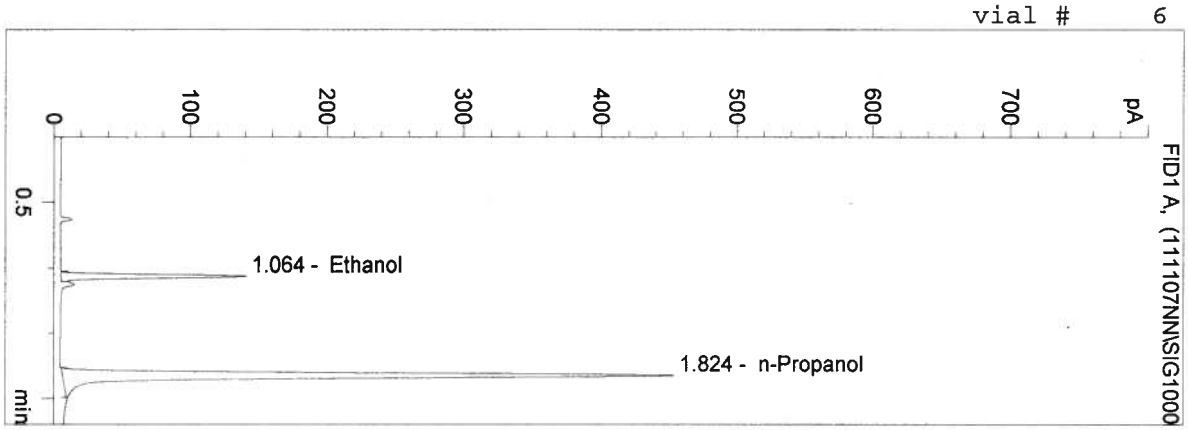
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:30:50 PM
Instrument 3
DB-ALC2

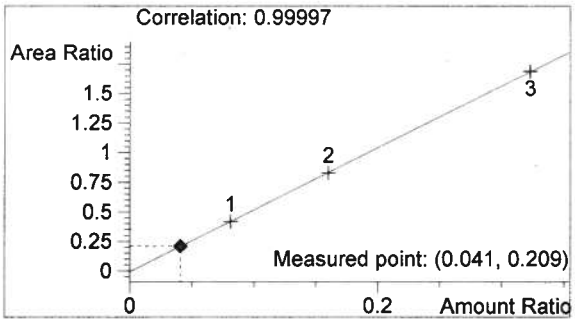
0.04 CTRL-NN
Naziha Nuwayhid, PhD

vial # 6

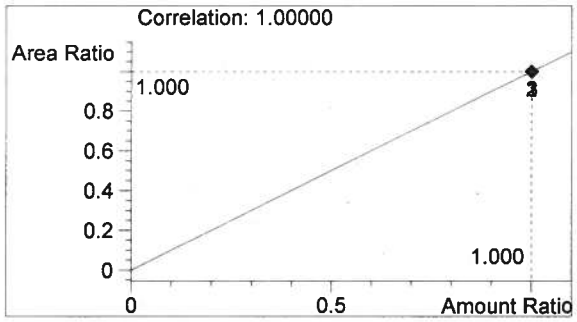


#	Compound	Area	RT
1	Ethanol	262	1.064
2	n-Propanol	1258	1.824

Totals:



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

11050

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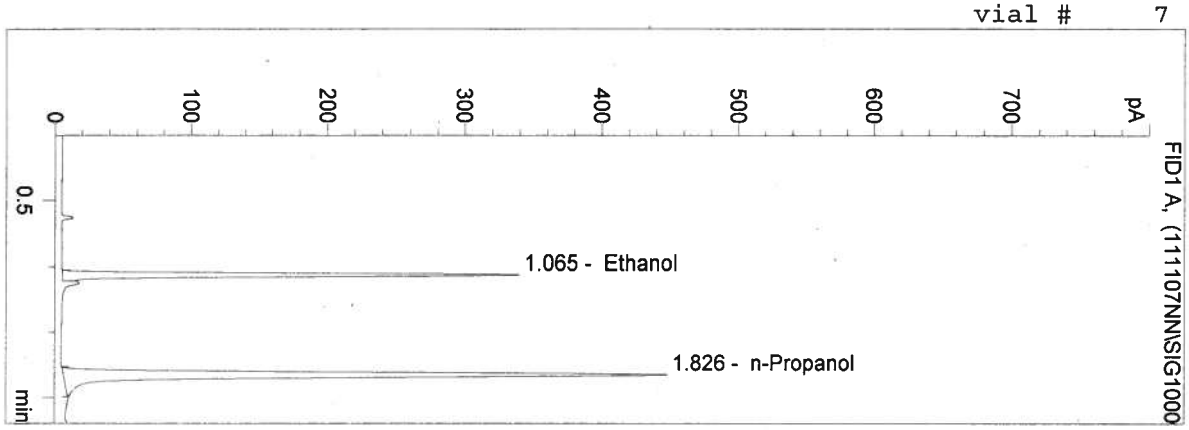
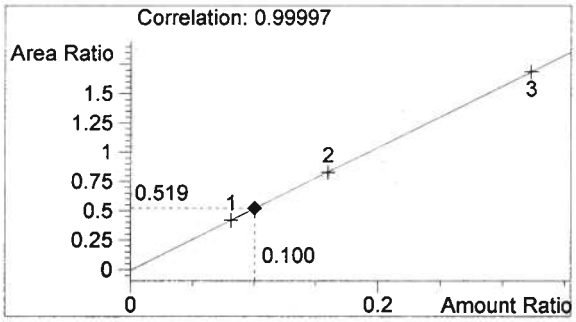
11/7/2011 4:33:57 PM
Instrument 3
DB-ALC2

0.10 CTRL-NN
Naziha Nuwayhid, PhD

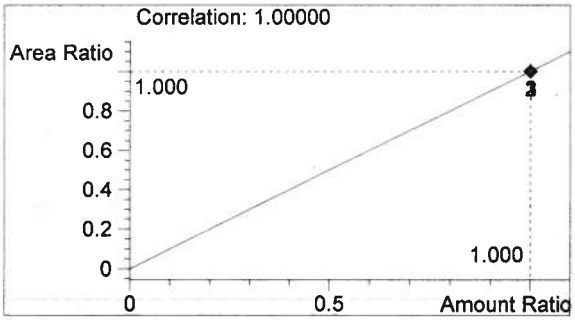
vial # 7



#	Compound	Area	RT
1	Ethanol	644	1.065
2	n-Propanol	1240	1.826
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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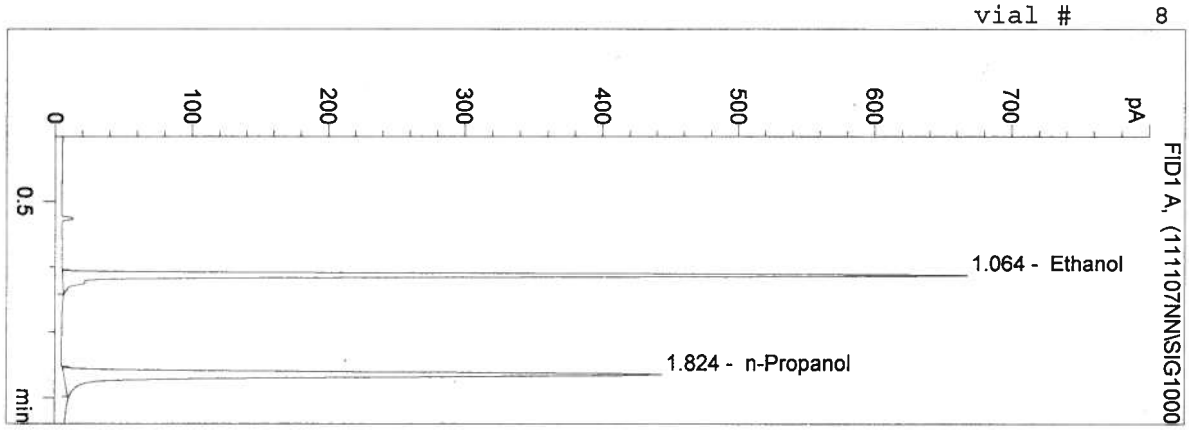
C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:37:04 PM
Instrument 3
DB-ALC2

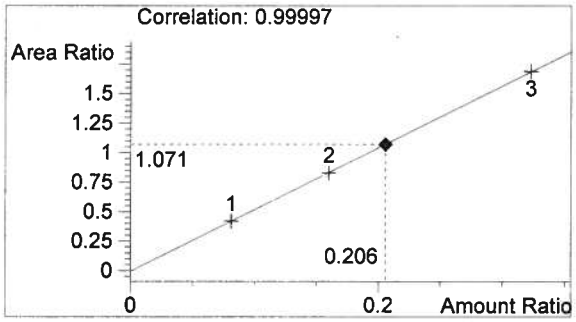
0.20 CTRL-NN
Naziha Nuwayhid, PhD

vial # 8

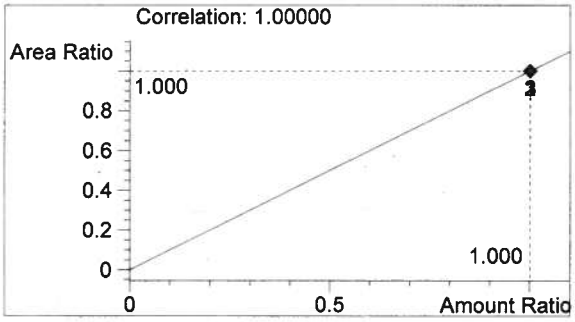


#	Compound	Area	RT
1	Ethanol	1314	1.064
2	n-Propanol	1227	1.824

Totals:



Ethanol 0.206 g/100ml



n-Propanol 1.000 g/100ml

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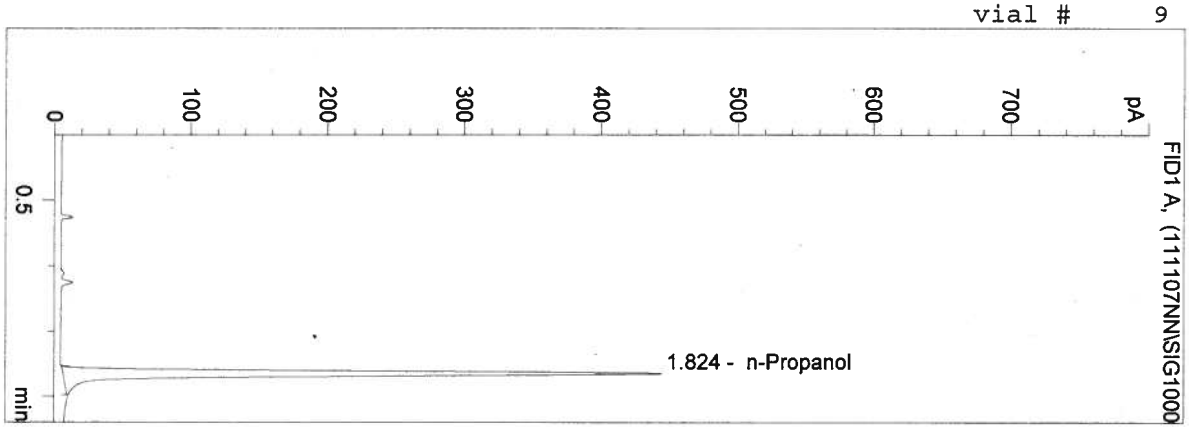
C:\HPCHEM\2\METHODS\SIMALC3.M
11/7/2011 4:40:11 PM
Instrument 3
DB-ALC2

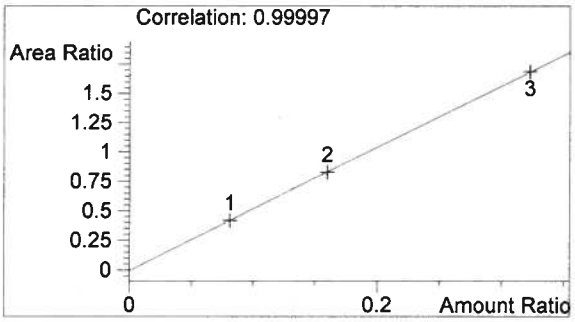
NEG CTRL-NN
Naziha Nuwayhid, PhD

vial # 9

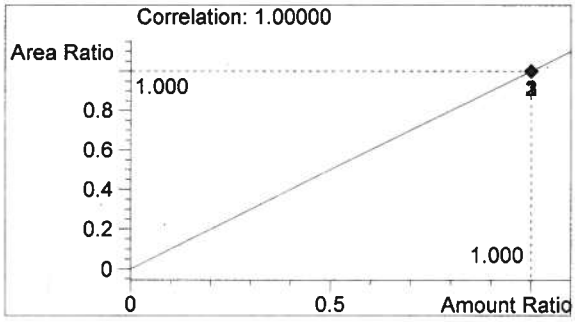


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1233	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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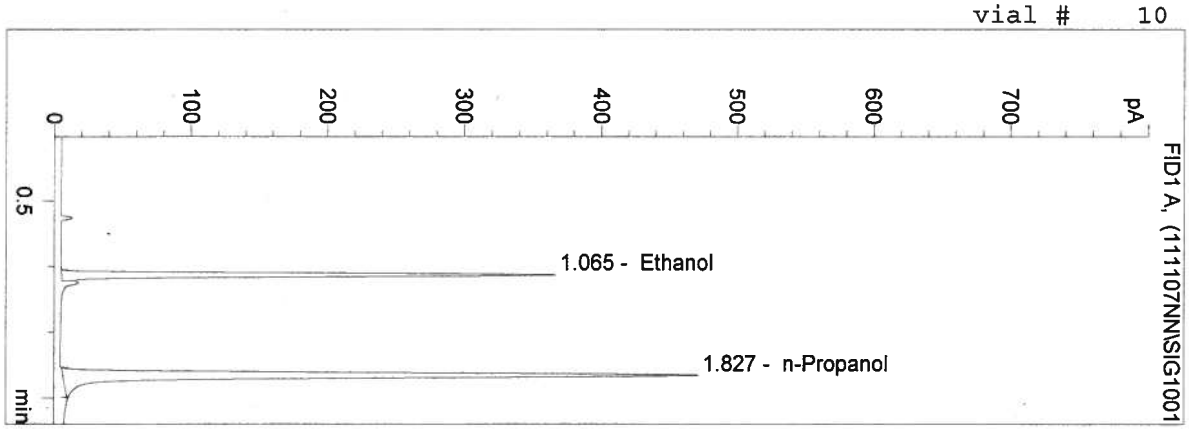
11/7/2011 4:43:19 PM
Instrument 3
DB-ALC2

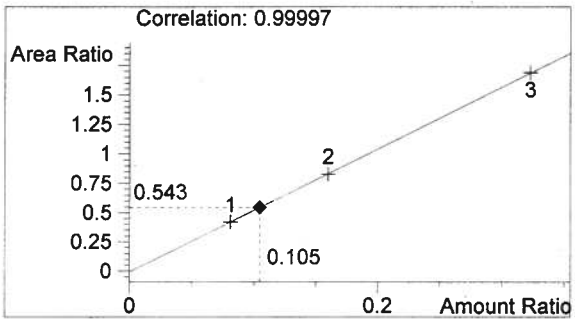
ESS 11050-1
Naziha Nuwayhid, PhD

vial # 10

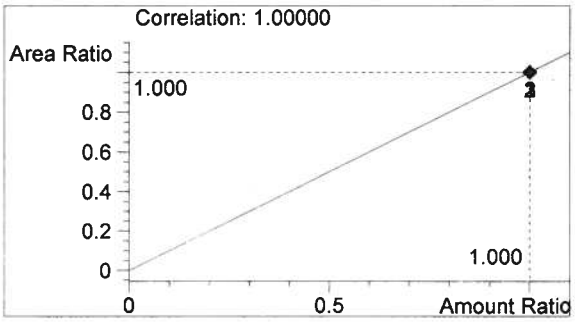


#	Compound	Area	RT
1	Ethanol	708	1.065
2	n-Propanol	1305	1.827

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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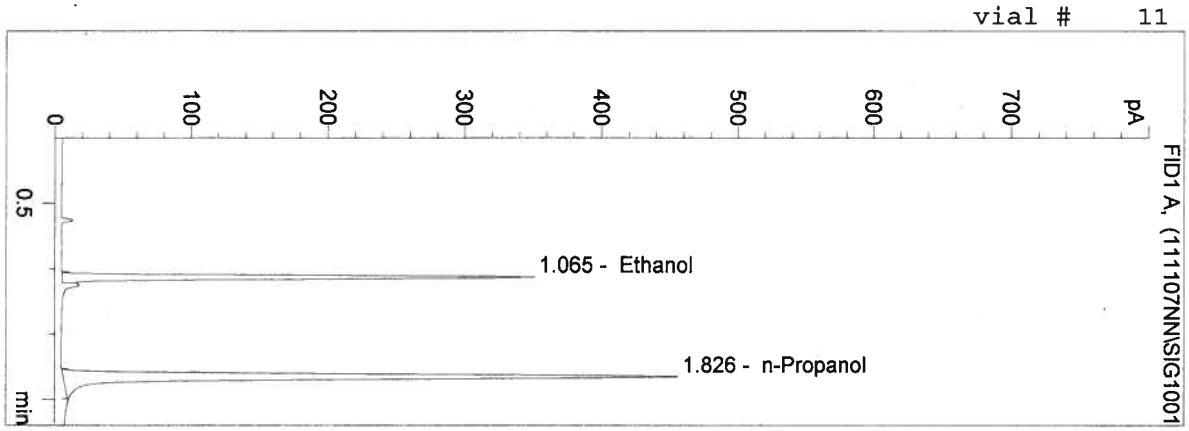
Instrument 3
DB-ALC2

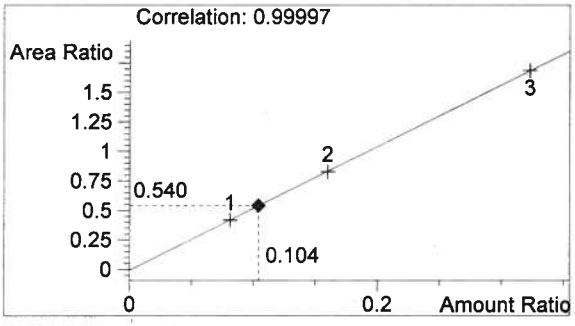
ESS 11050-2
Naziha Nuwayhid, PhD

vial # 11

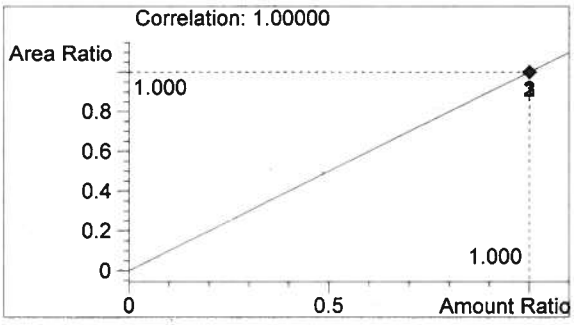


#	Compound	Area	RT
1	Ethanol	687	1.065
2	n-Propanol	1271	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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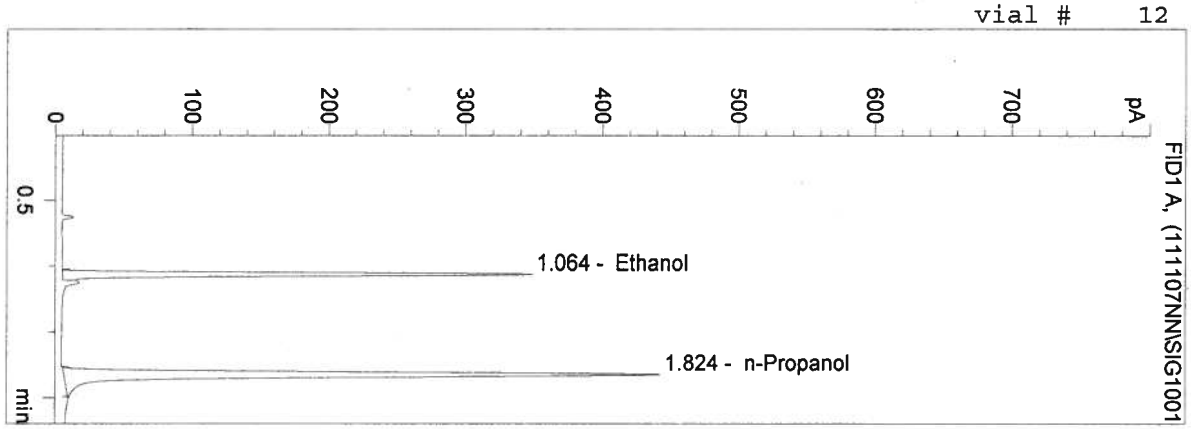
11/7/2011 4:49:33 PM
Instrument 3
DB-ALC2

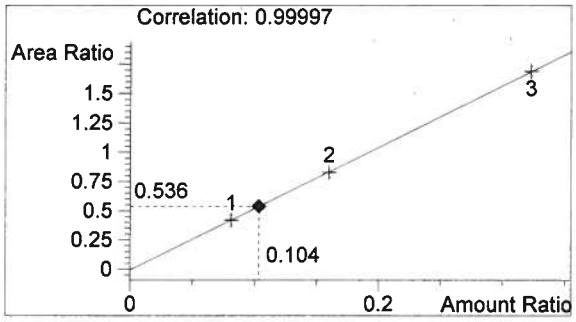
ESS 11050-3
Naziha Nuwayhid, PhD

vial # 12

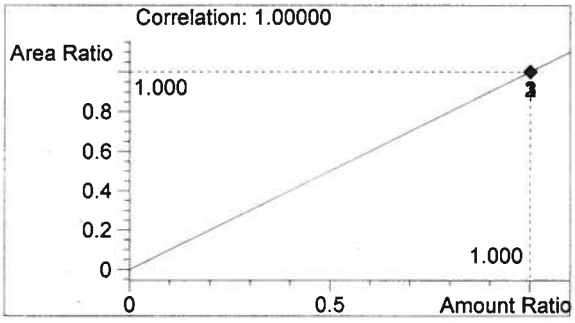


#	Compound	Area	RT
1	Ethanol	656	1.064
2	n-Propanol	1224	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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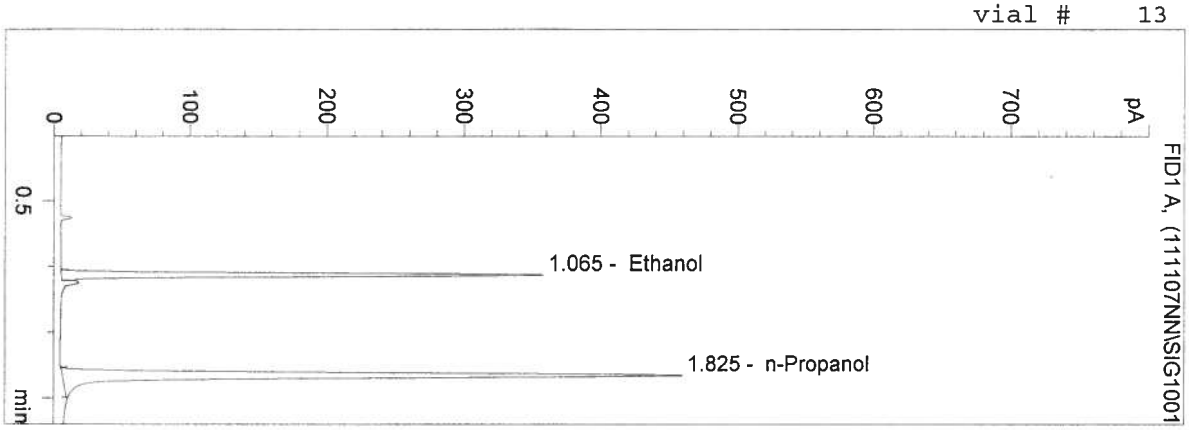
11/7/2011 4:52:40 PM
Instrument 3
DB-ALC2

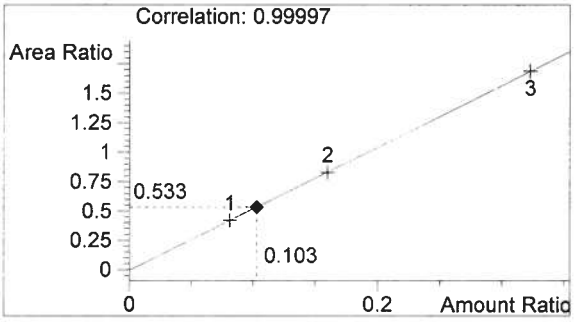
ESS 11050-4
Naziha Nuwayhid, PhD

vial # 13

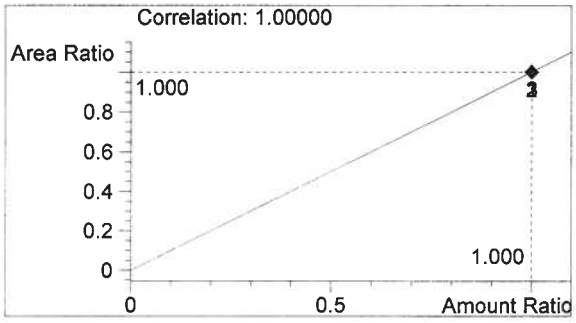


#	Compound	Area	RT
1	Ethanol	679	1.065
2	n-Propanol	1274	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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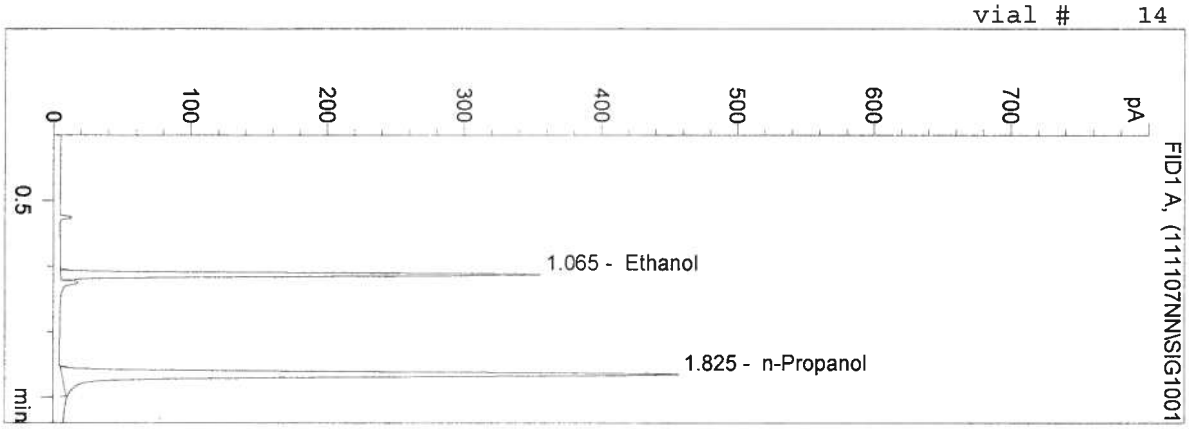
Instrument 3
DB-ALC2

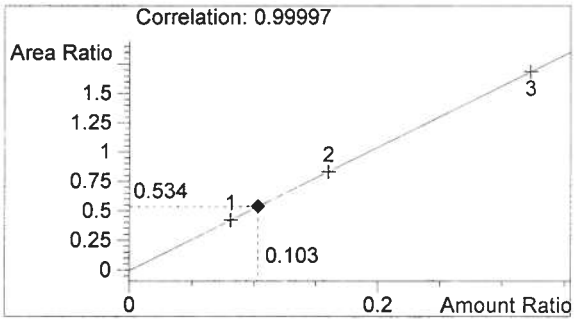
ESS 11050-5
Naziha Nuwayhid, PhD

vial # 14

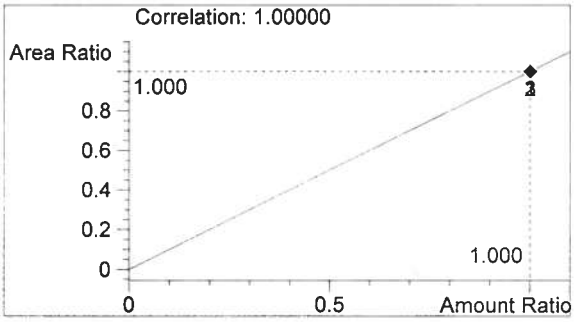


#	Compound	Area	RT
1	Ethanol	676	1.065
2	n-Propanol	1265	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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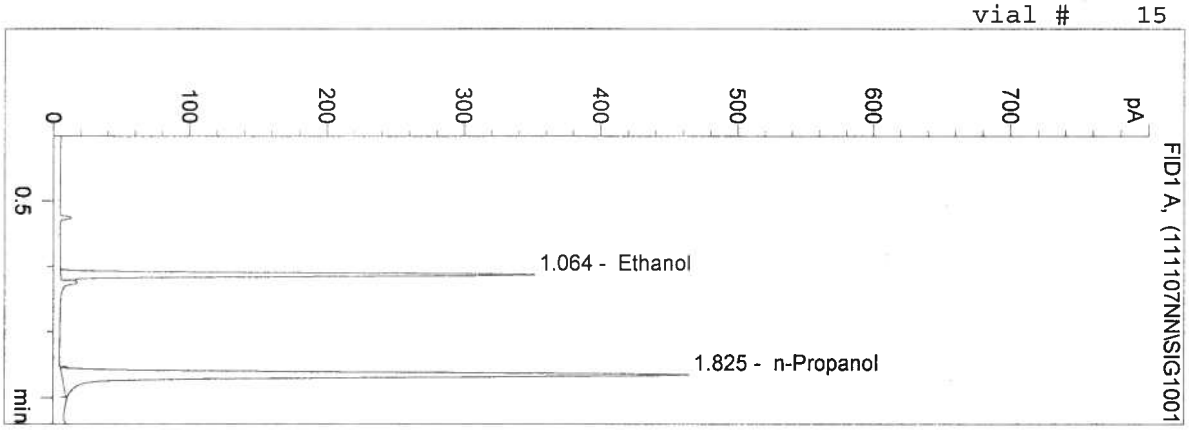
11/7/2011 4:58:55 PM
Instrument 3
DB-ALC2

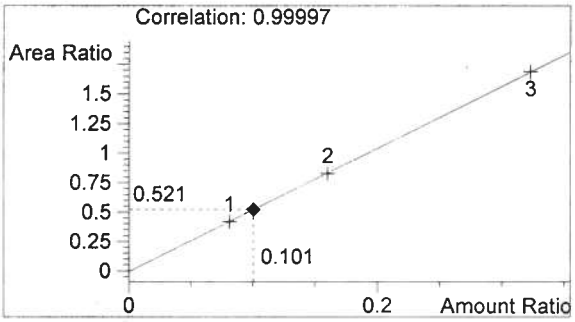
0.10 CTRL-NN
Naziha Nuwayhid, PhD

vial # 15

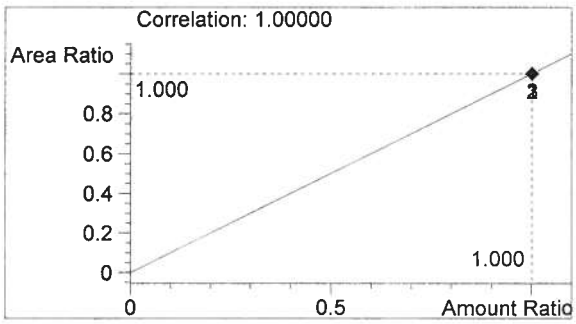


#	Compound	Area	RT
1	Ethanol	671	1.064
2	n-Propanol	1288	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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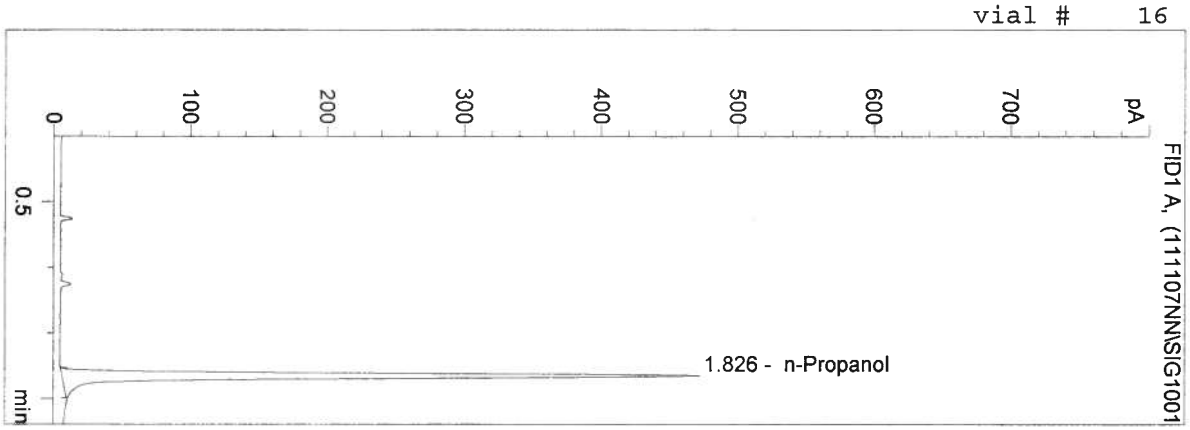
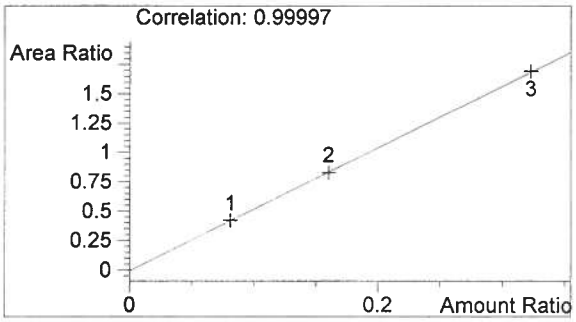
11/7/2011 5:02:02 PM
Instrument 3
DB-ALC2

NEG CTRL-NN
Naziha Nuwayhid, PhD

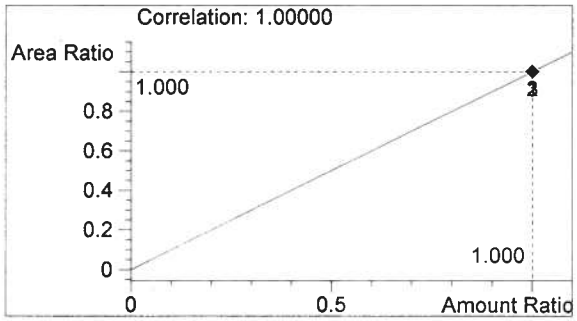
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1310	1.826
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Sequence Parameters:

Operator:	Lisa Noble
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:	111108LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 control lot# a075264 exp 10/2014
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014
0.079 cal lot# E0911-01 exp 12/2011
0.158 cal lot# E0911-02 exp 12/2011
0.316 cal lot# E0911-03 exp 12/2011

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	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 - LN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
10	Vial 10	11050 #1	SIMALC3	1	Sample		
11	Vial 11	11050 #2	SIMALC3	1	Sample		
12	Vial 12	11050 #3	SIMALC3	1	Sample		
13	Vial 13	11050 #4	SIMALC3	1	Sample		
14	Vial 14	11050 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

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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!

Ln

11050

Calibration Table

Calib. Data Modified : Tuesday, November 08, 2011 1:49:51 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	8.12800e-2	563.73932	1.44180e-4	1		Ethanol
		2	1.60090e-1	1016.18835	1.57540e-4			
		3	3.22750e-1	2065.25269	1.56276e-4			
1.825	1	1	1.00000	1365.79236	7.32176e-4	I1		n-Propanol
		2	1.00000	1227.91028	8.14392e-4			
		3	1.00000	1216.40613	8.22094e-4			

Peak Sum Table

No Entries in table

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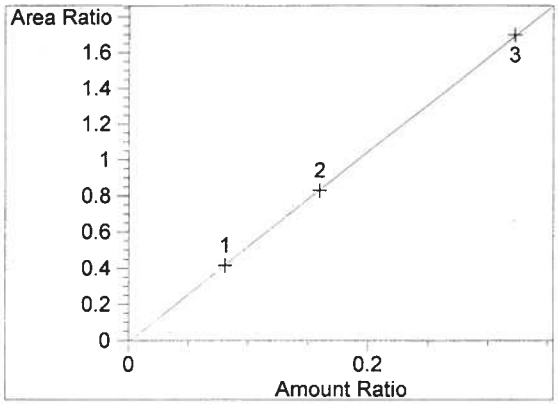
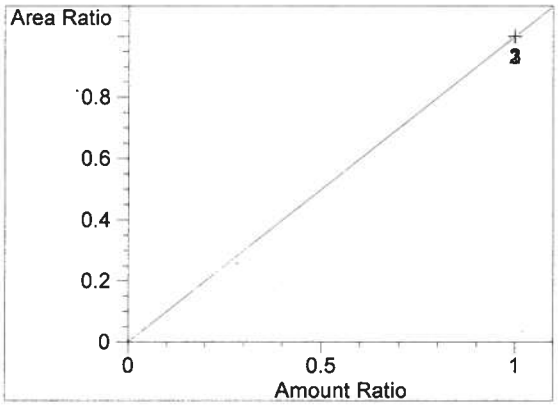
Calibration Curves

==========



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99993
Residual Std. Dev.: 0.01024
Formula: y = mx + b
m: 5.27120
b: -8.85695e-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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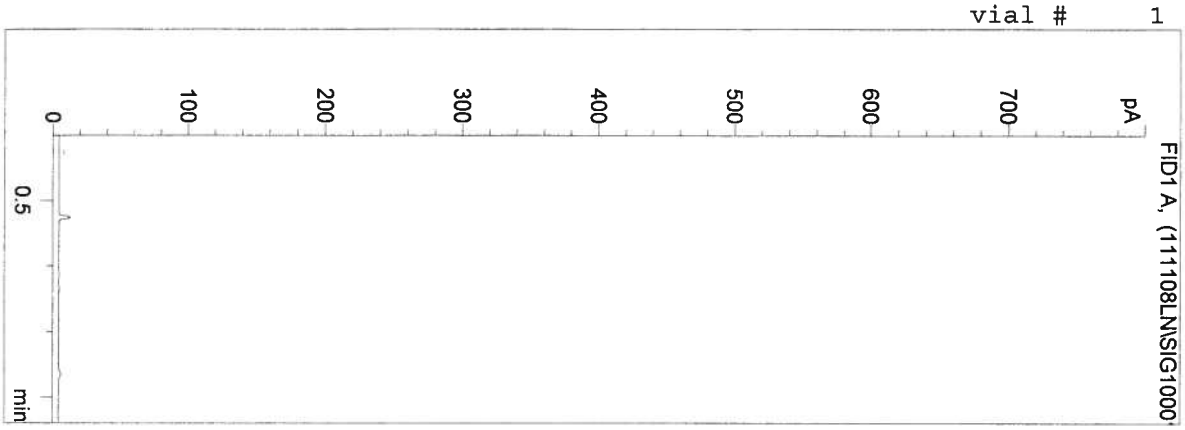
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 1:38:16 PM
Instrument 3
DB-ALC2

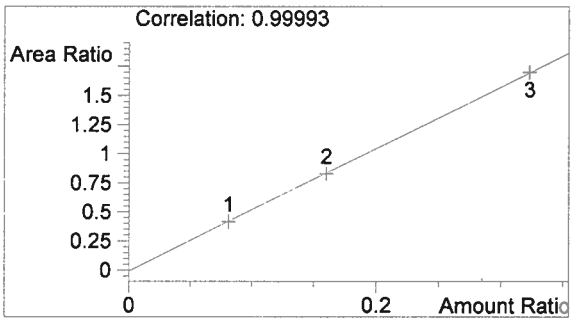
BLANK
Lisa Noble

vial # 1

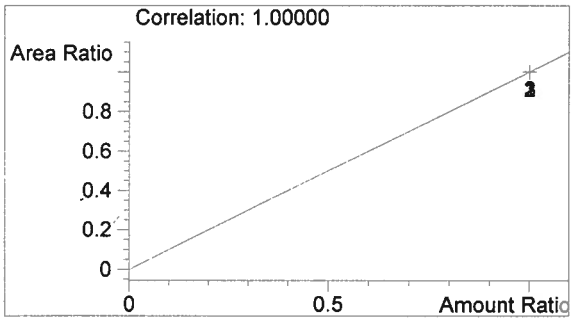


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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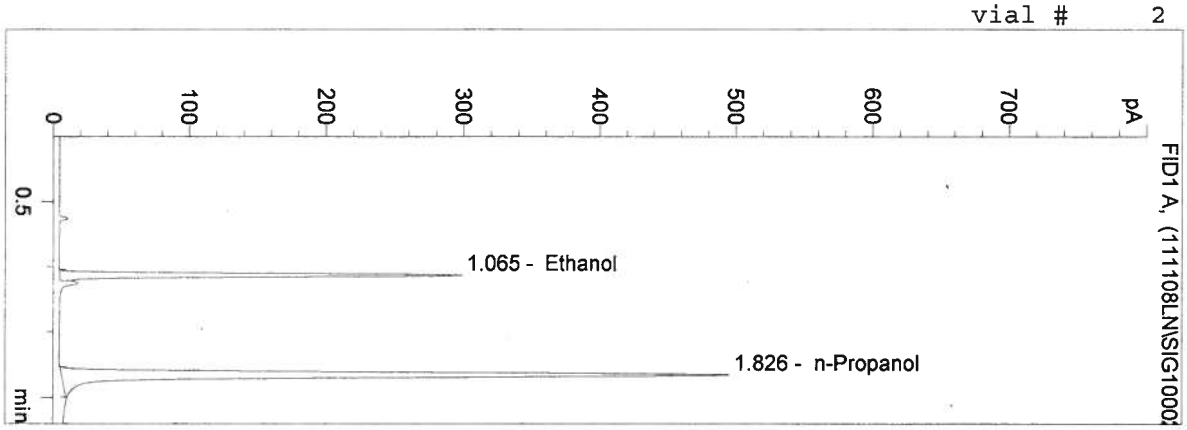
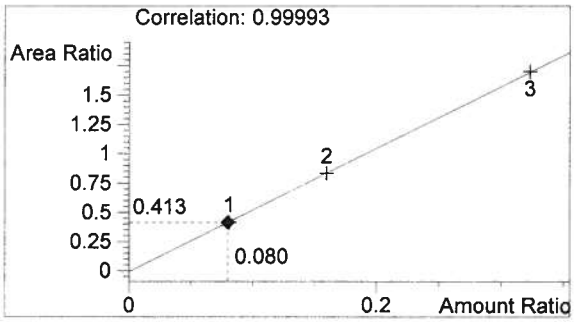
Instrument 3
DB-ALC2

0.079 CAL
Lisa Noble

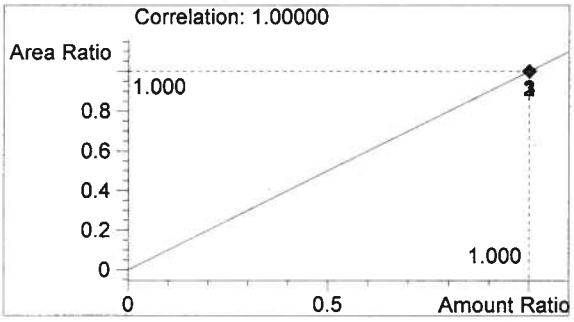
vial # 2



#	Compound	Area	RT
1	Ethanol	564	1.065
2	n-Propanol	1366	1.826
Totals:			



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

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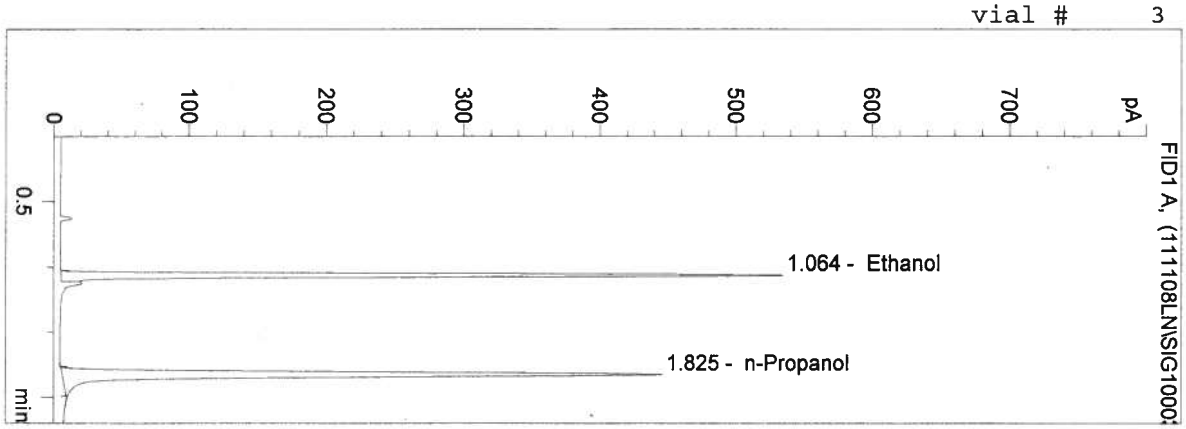
Instrument 3
DB-ALC2

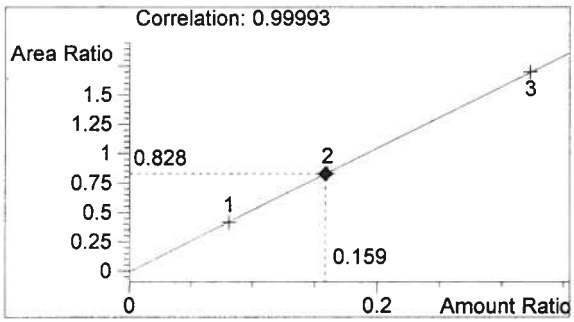
0.158 CAL
Lisa Noble

vial # 3

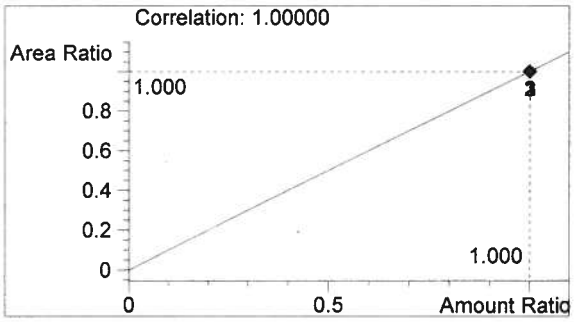


#	Compound	Area	RT
1	Ethanol	1016	1.064
2	n-Propanol	1228	1.825

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

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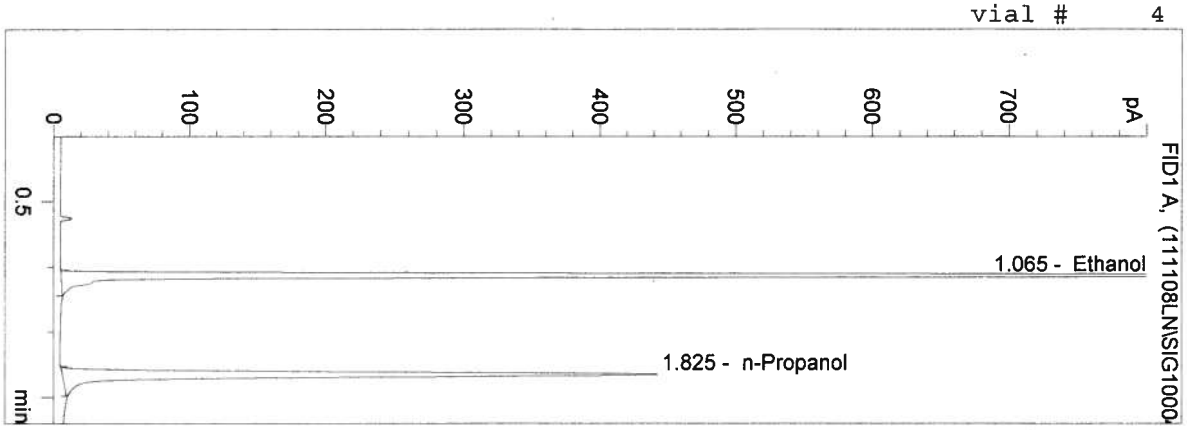
Instrument 3
DB-ALC2

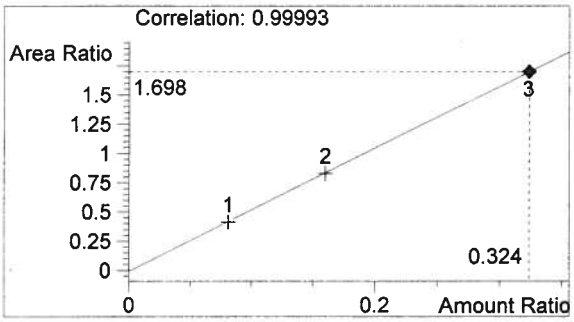
0.316 CAL
Lisa Noble

vial # 4

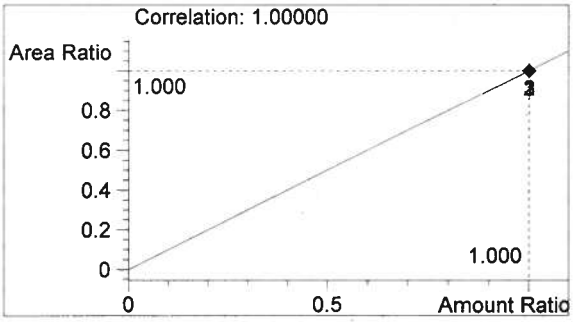


#	Compound	Area	RT
1	Ethanol	2065	1.065
2	n-Propanol	1216	1.825

Totals:



Ethanol 0.324 g/100ml



n-Propanol 1.000 g/100ml

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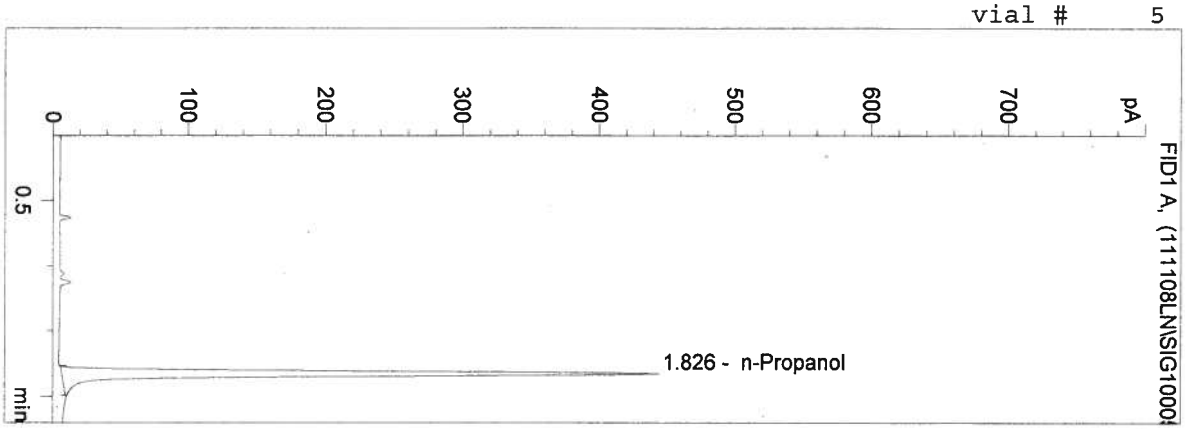
Instrument 3
DB-ALC2

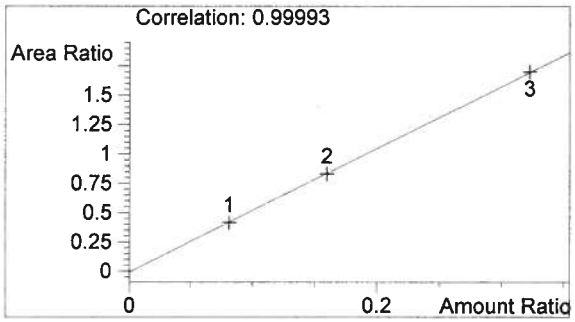
NEG CTRL - LN
Lisa Noble

vial # 5

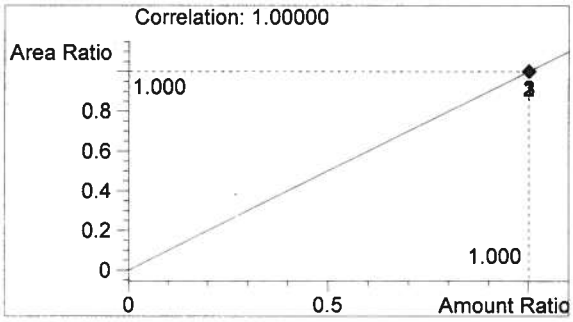


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1221	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sn

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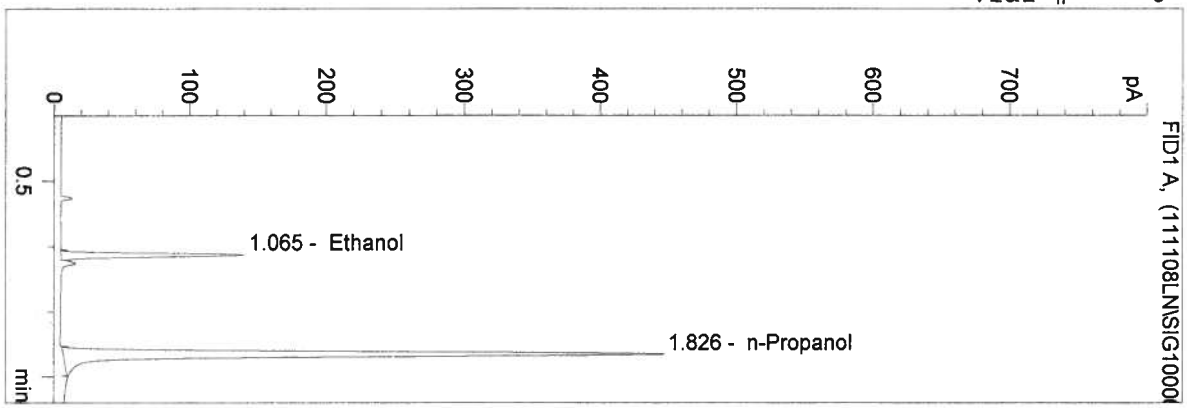
Instrument 3
DB-ALC2

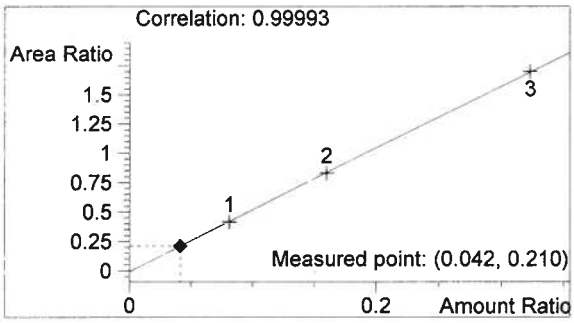
0.04 CTRL - LN
Lisa Noble

vial # 6

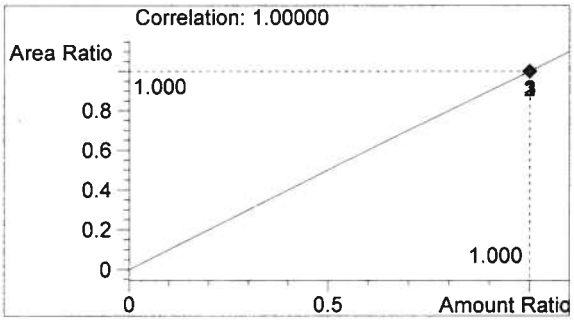


#	Compound	Area	RT
1	Ethanol	259	1.065
2	n-Propanol	1230	1.826

Totals:



Ethanol 0.042 g/100ml



n-Propanol 1.000 g/100ml

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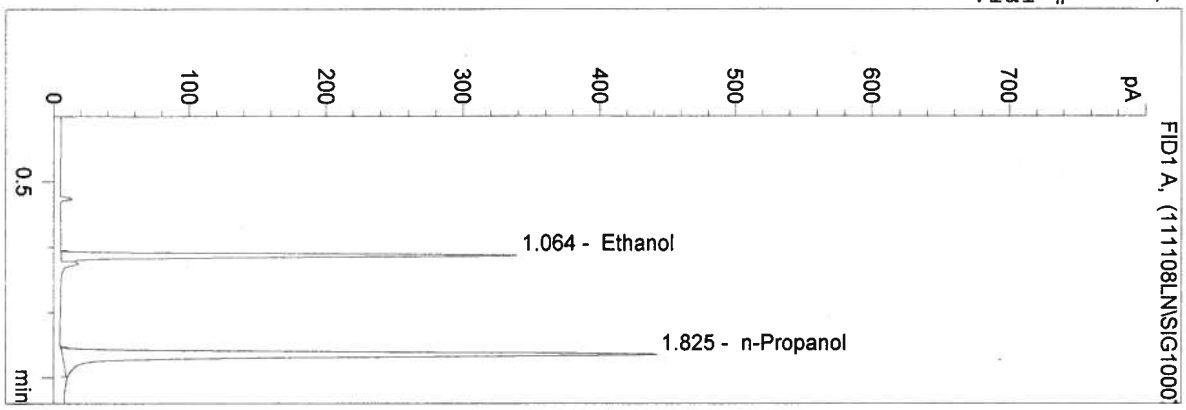
Instrument 3
DB-ALC2

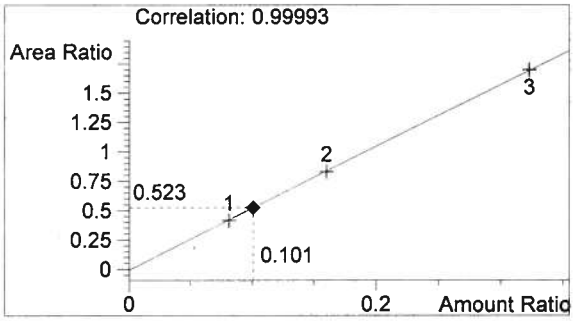
0.10 CTRL - LN
Lisa Noble

vial # 7

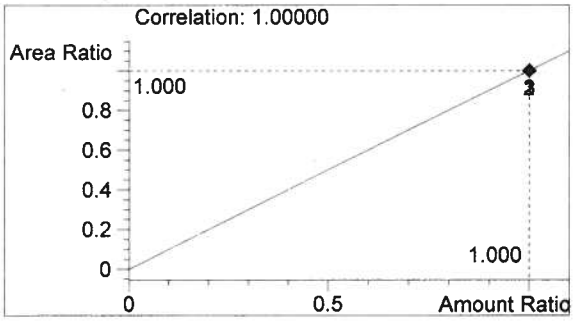


#	Compound	Area	RT
1	Ethanol	638	1.064
2	n-Propanol	1220	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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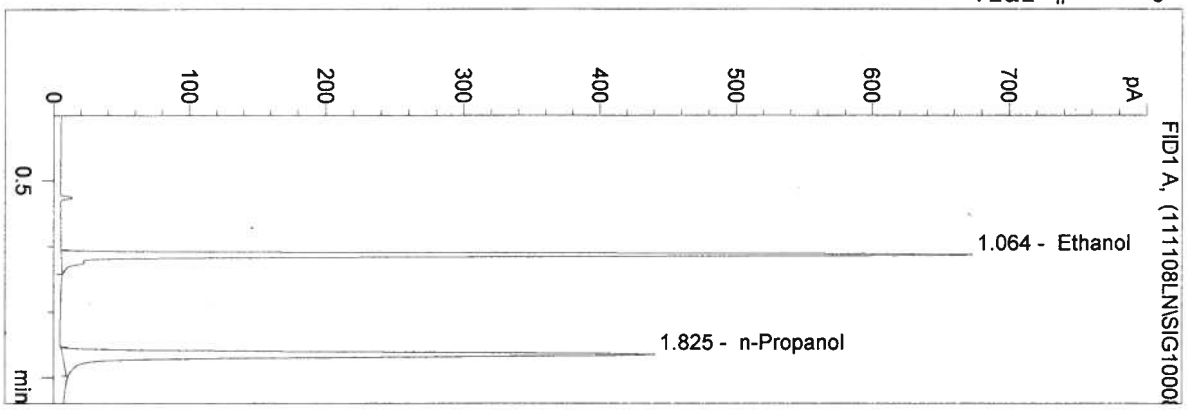
Instrument 3
DB-ALC2

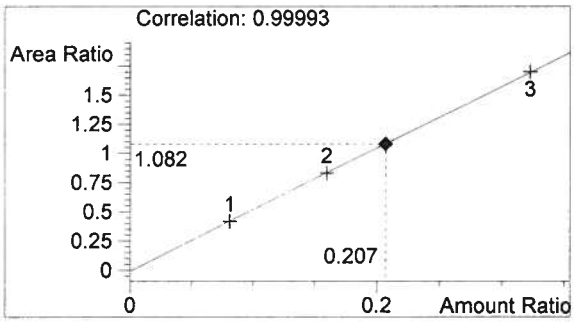
0.20 CTRL - LN
Lisa Noble

vial # 8

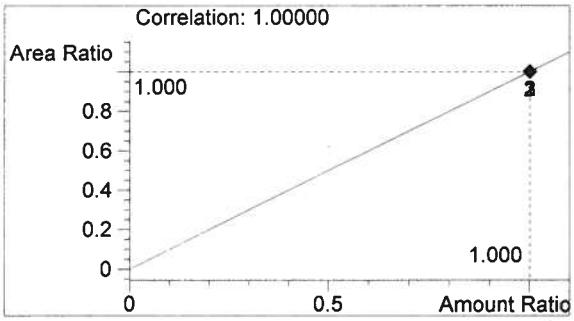


#	Compound	Area	RT
1	Ethanol	1314	1.064
2	n-Propanol	1214	1.825

Totals:



Ethanol 0.207 g/100ml



n-Propanol 1.000 g/100ml

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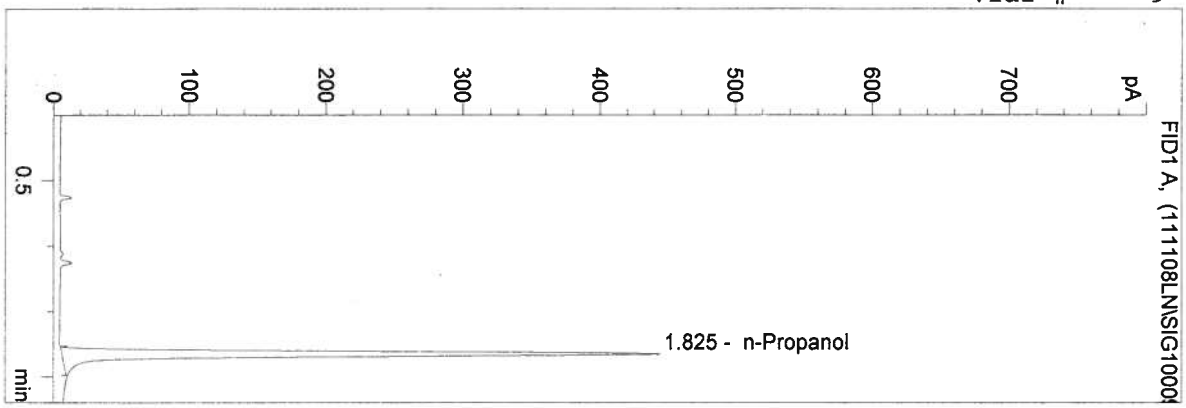
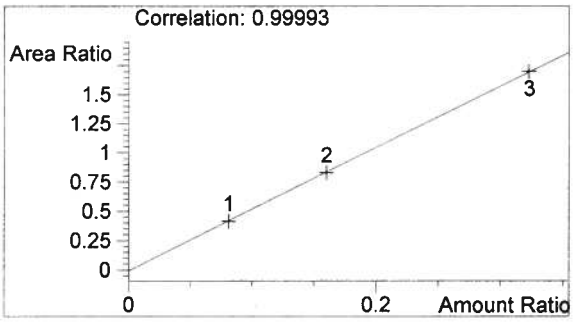
Instrument 3
DB-ALC2

NEG CTRL - LN
Lisa Noble

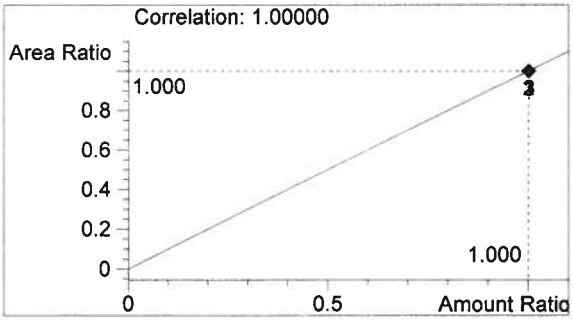
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1225	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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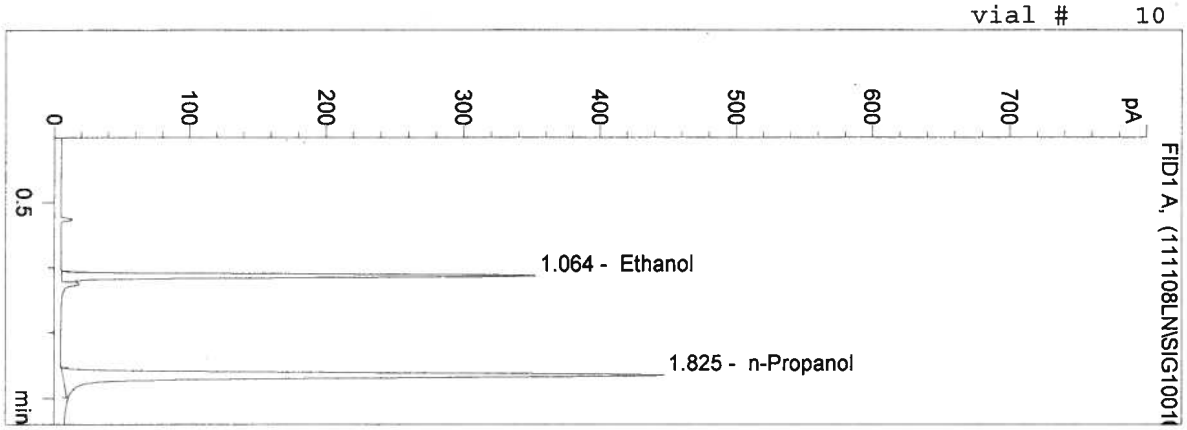
Instrument 3
DB-ALC2

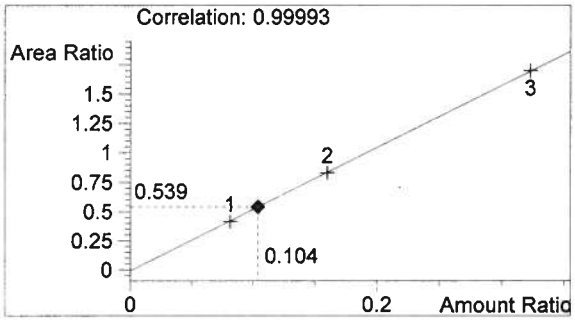
11050 #1
Lisa Noble

vial # 10

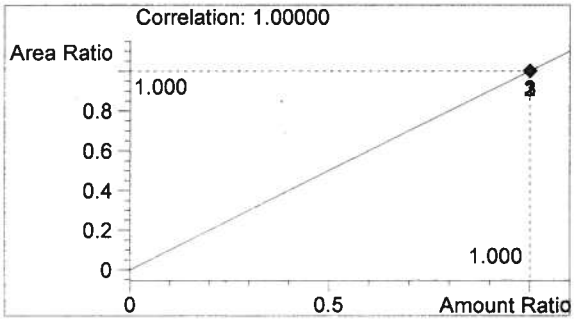


#	Compound	Area	RT
1	Ethanol	665	1.064
2	n-Propanol	1235	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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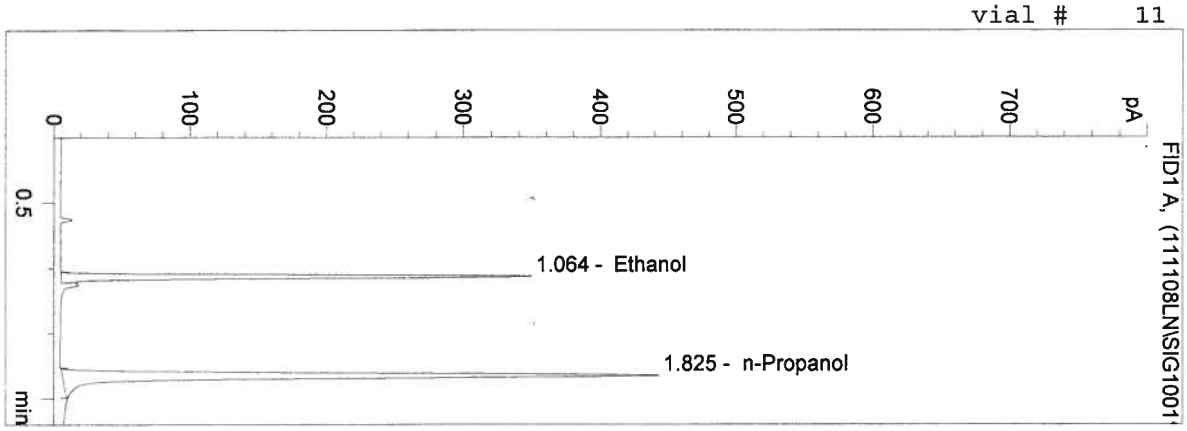
Instrument 3
DB-ALC2

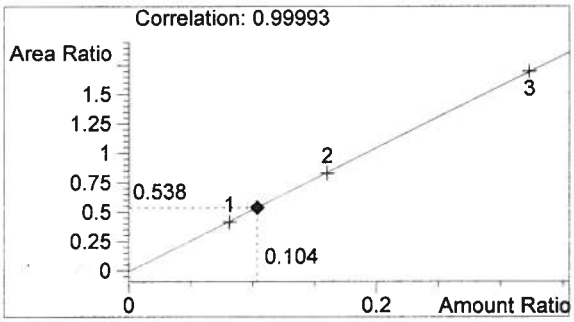
11050 #2
Lisa Noble

vial # 11

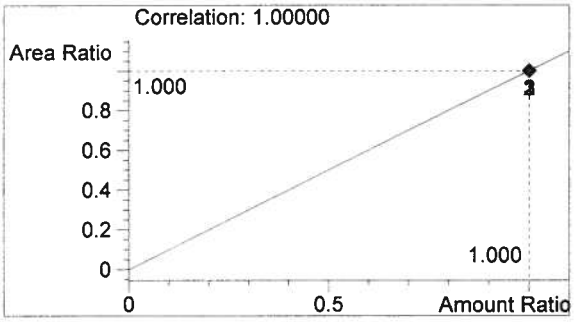


#	Compound	Area	RT
1	Ethanol	657	1.064
2	n-Propanol	1220	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

fn

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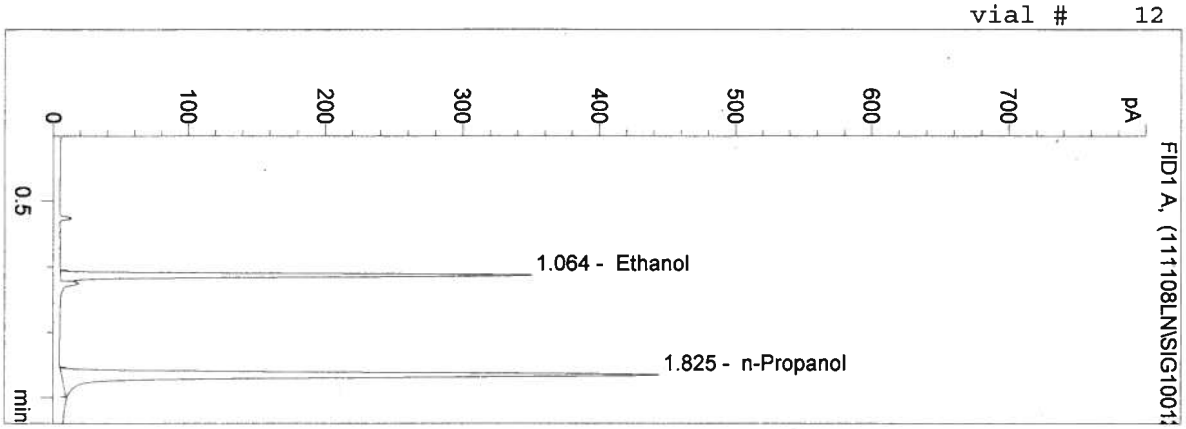
Instrument 3
DB-ALC2

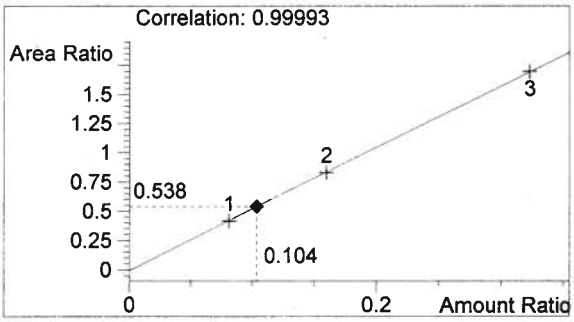
11050 #3
Lisa Noble

vial # 12

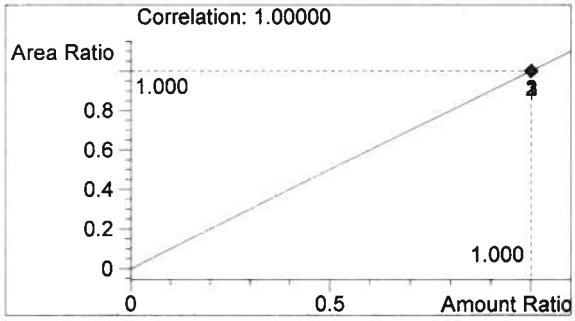


#	Compound	Area	RT
1	Ethanol	660	1.064
2	n-Propanol	1225	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

Sn

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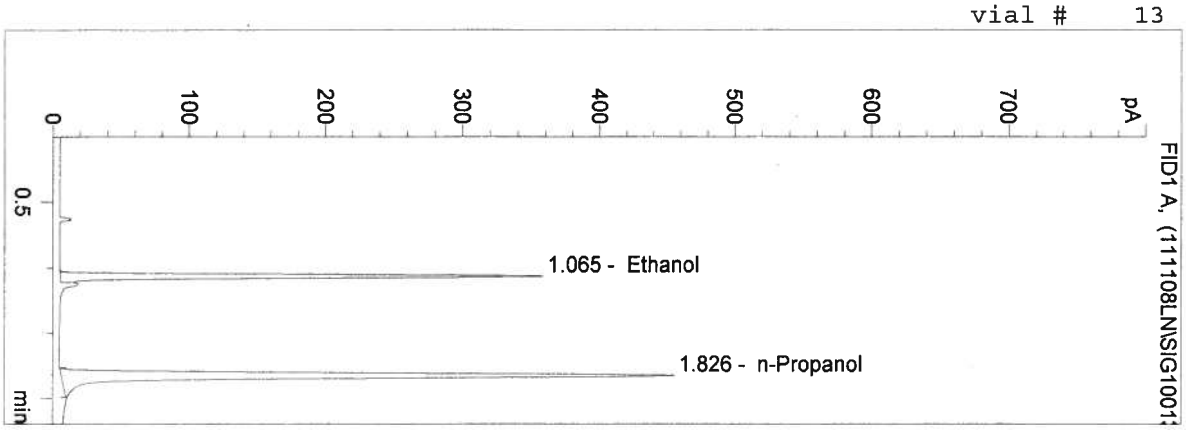
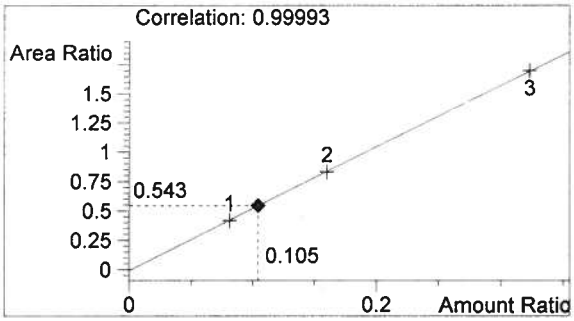
Instrument 3
DB-ALC2

11050 #4
Lisa Noble

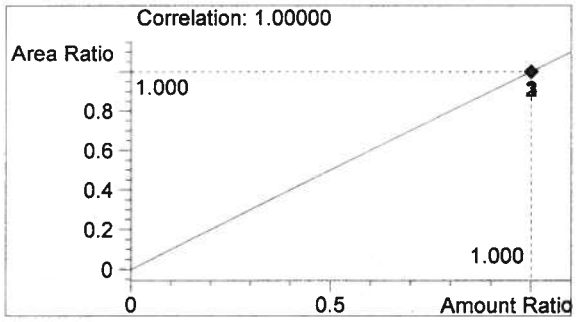
vial # 13



#	Compound	Area	RT
1	Ethanol	686	1.065
2	n-Propanol	1265	1.826
Totals:			



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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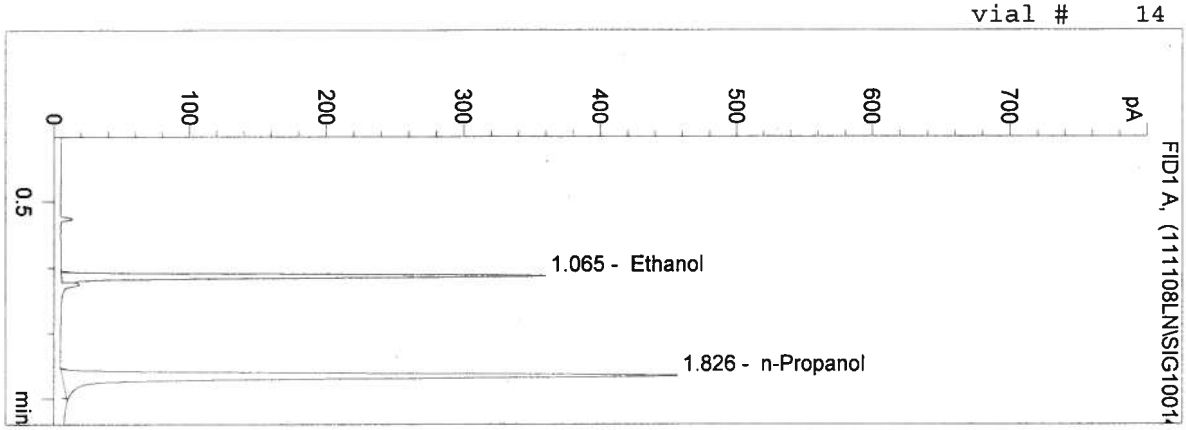
Instrument 3
DB-ALC2

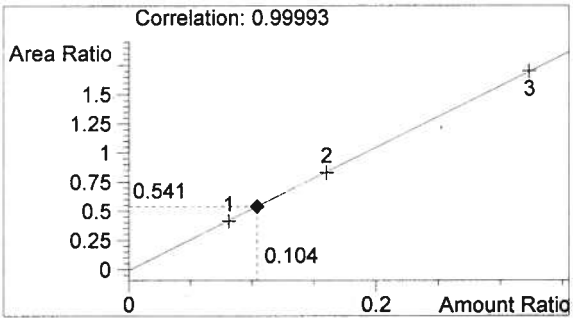
11050 #5
Lisa Noble

vial # 14

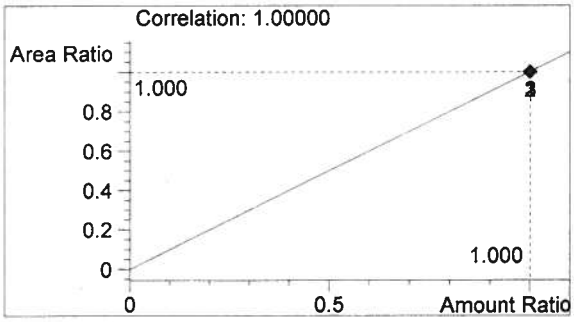


#	Compound	Area	RT
1	Ethanol	684	1.065
2	n-Propanol	1265	1.826

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

fn

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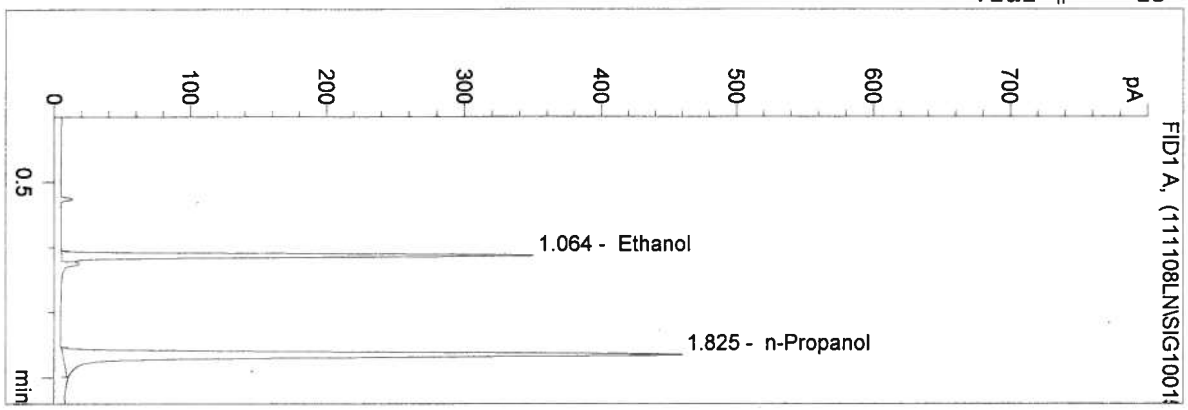
Instrument 3
DB-ALC2

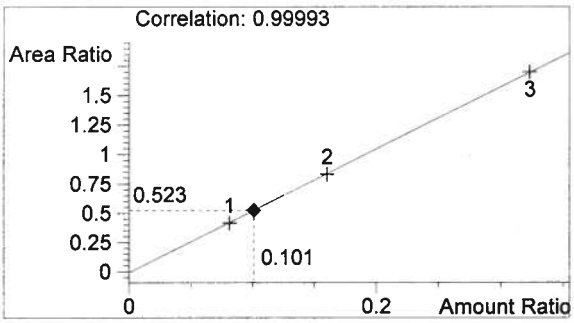
0.10 CTRL - LN
Lisa Noble

vial # 15

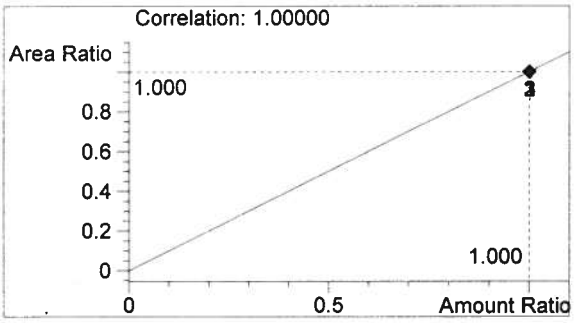


#	Compound	Area	RT
1	Ethanol	664	1.064
2	n-Propanol	1269	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

11050

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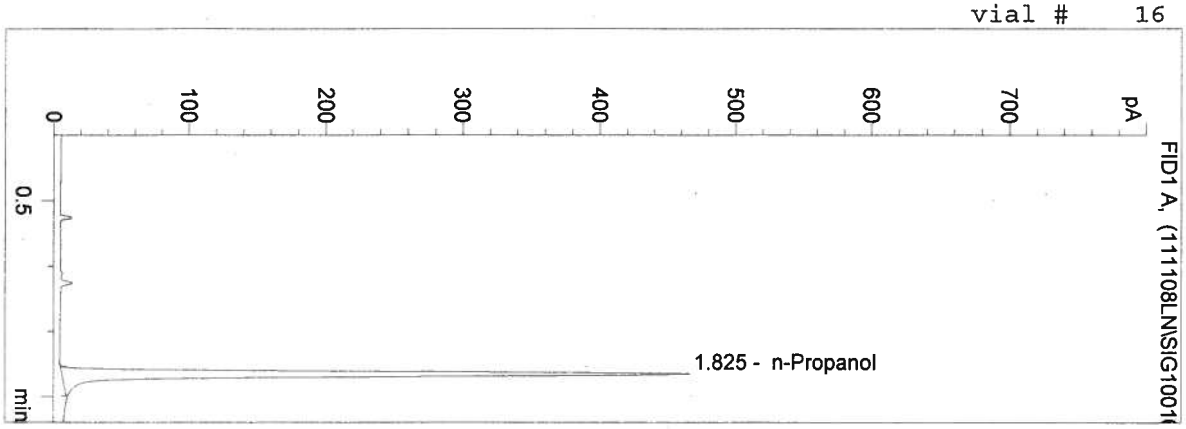
Instrument 3
DB-ALC2

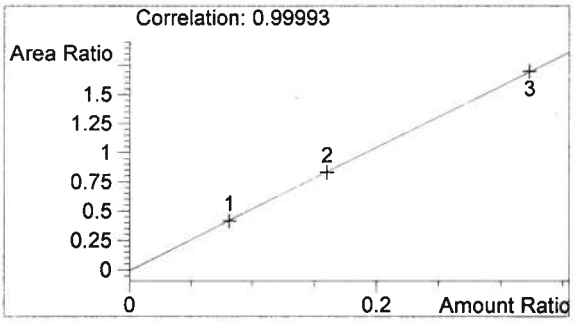
NEG CTRL - LN
Lisa Noble

vial # 16

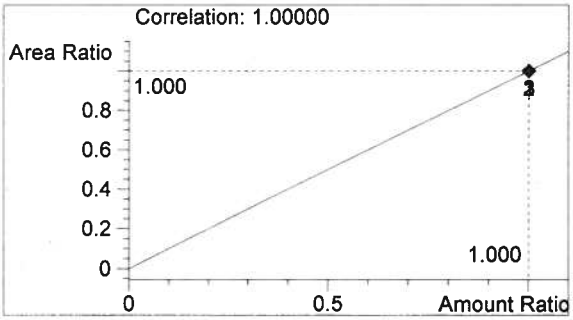


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1289	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

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:	111108JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

Ethanol Calibrator 1, E0911-01 - Exp. 12/05/11
Ethanol Calibrator 2, E0911-02 - Exp. 12/05/11
Ethanol Calibrator 3, E0911-03 - Exp. 12/05/11

0.04 Control - Lot #A075264 - Exp. 10/2014
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	E0911-01 - Exp 12/05/11
3	Vial 3	E0911-02 - Exp 12/05/11
4	Vial 4	E0911-03 - Exp 12/05/11
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	

11050

JK

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	11050-1	SIMALC3	1	Sample		
11	Vial 11	11050-2	SIMALC3	1	Sample		
12	Vial 12	11050-3	SIMALC3	1	Sample		
13	Vial 13	11050-4	SIMALC3	1	Sample		
14	Vial 14	11050-5	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!

11050

Calibration Table

Calib. Data Modified : Tuesday, November 08, 2011 11:55:40 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,

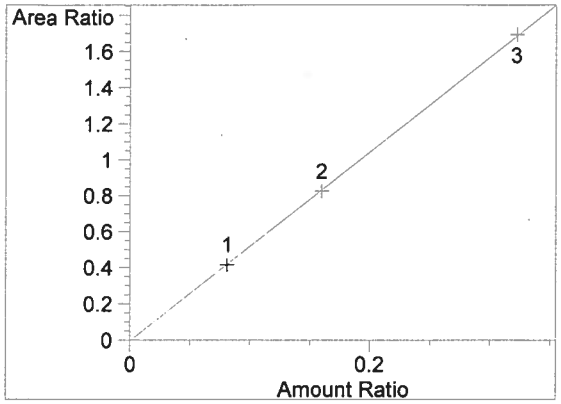
RetTime [min]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.065	1		1	8.12800e-2	508.05292	1.59983e-4	1		Ethanol
			2	1.60090e-1	1024.44080	1.56271e-4			
			3	3.22750e-1	2054.82739	1.57069e-4			
1.826	1		1	1.00000	1218.42480	8.20732e-4	I1		n-Propanol
			2	1.00000	1241.23376	8.05650e-4			
			3	1.00000	1214.22583	8.23570e-4			

Peak Sum Table

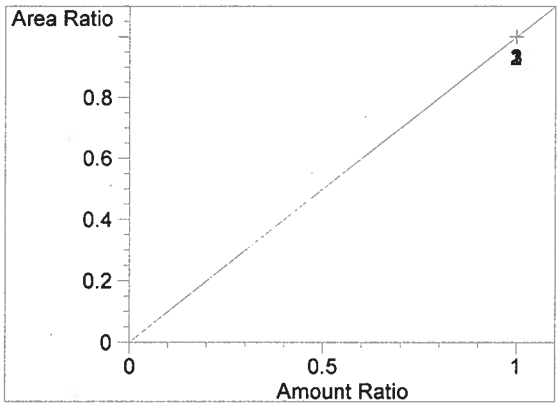
No Entries in table

11050

Calibration Curves



Ethanol at exp. RT: 1.065
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00854
Formula: y = mx + b
m: 5.24832
b: -6.51770e-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

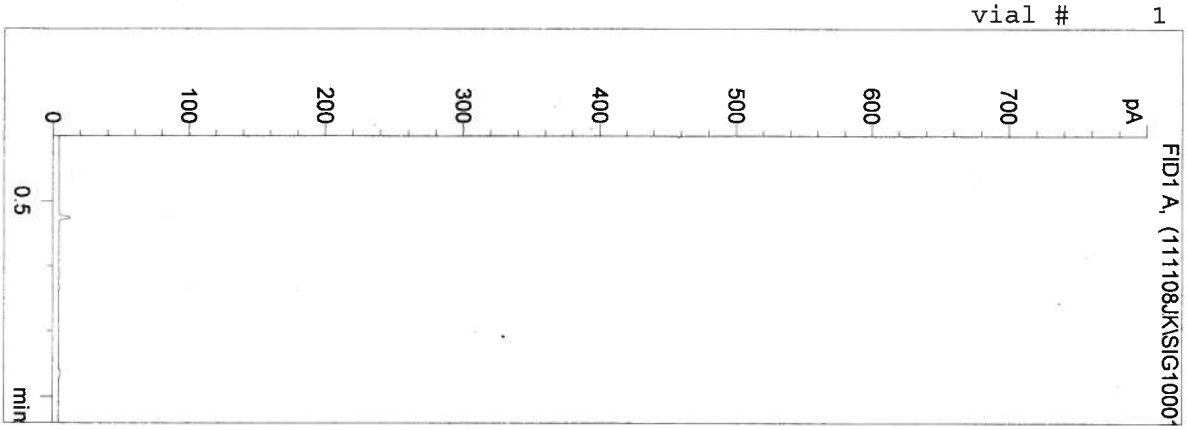
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:44:06 AM
Instrument 3
DB-ALC2

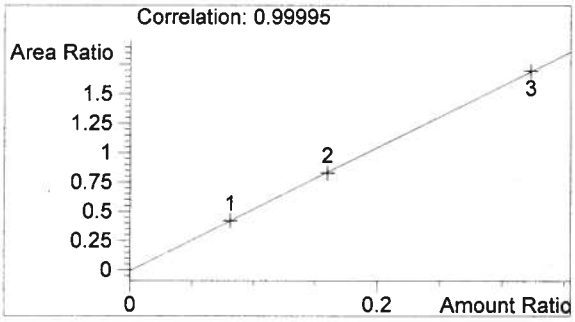
BLANK
Justin Knoy

vial # 1

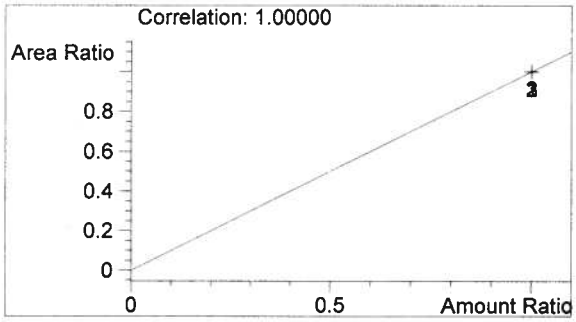


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11050

JK

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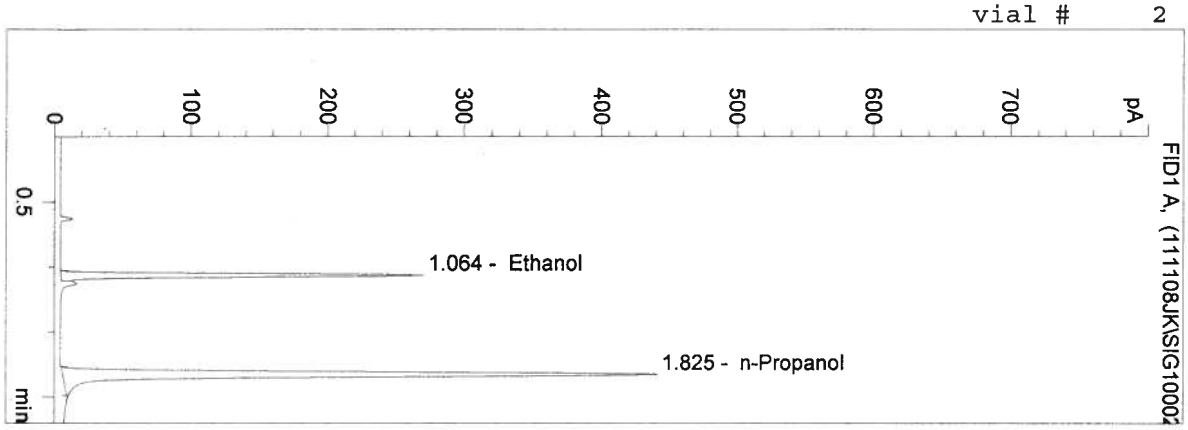
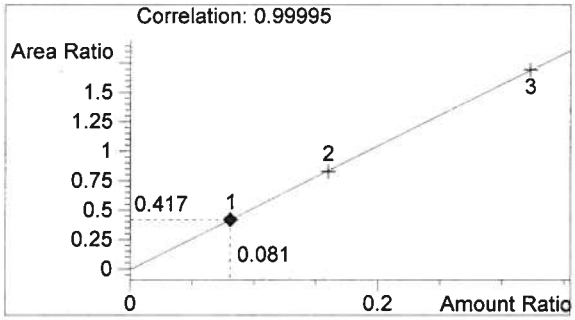
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:47:13 AM
Instrument 3
DB-ALC2

CAL1 0.079
Justin Knoy

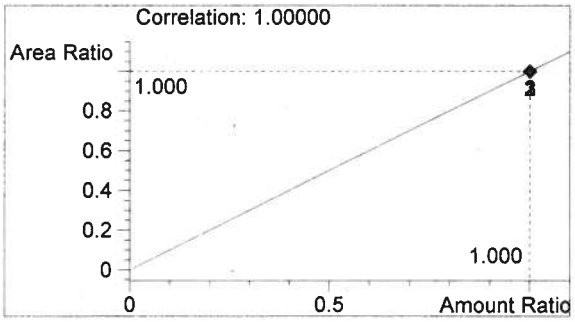
vial # 2



#	Compound	Area	RT
1	Ethanol	508	1.064
2	n-Propanol	1218	1.825
Totals:			



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

11050

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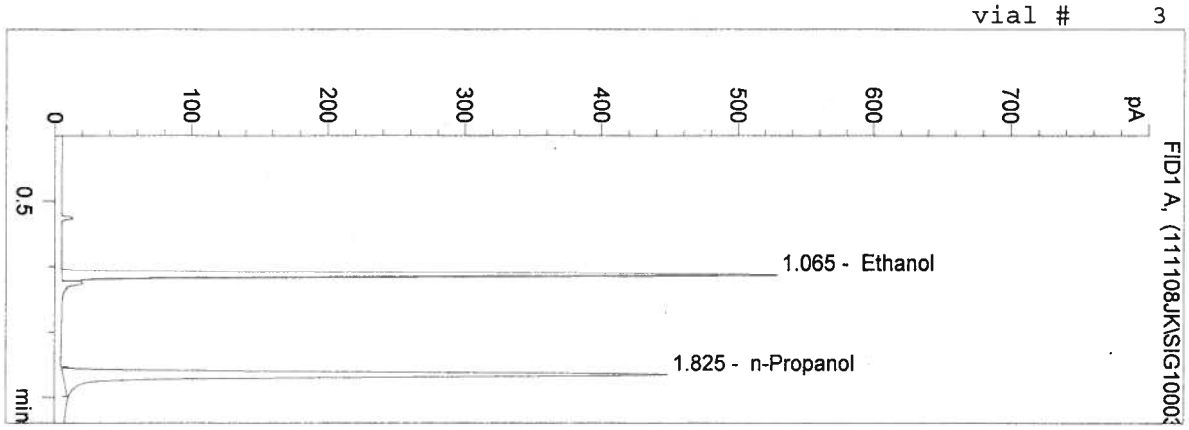
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:50:20 AM
Instrument 3
DB-ALC2

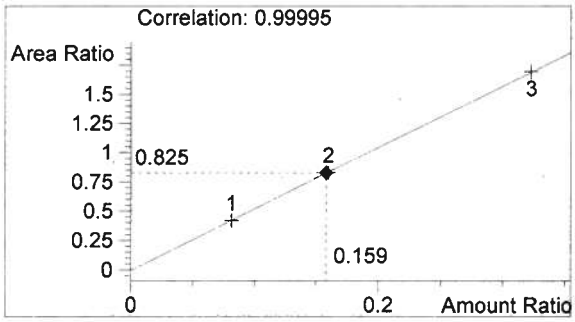
CAL2 0.158
Justin Knoy

vial # 3

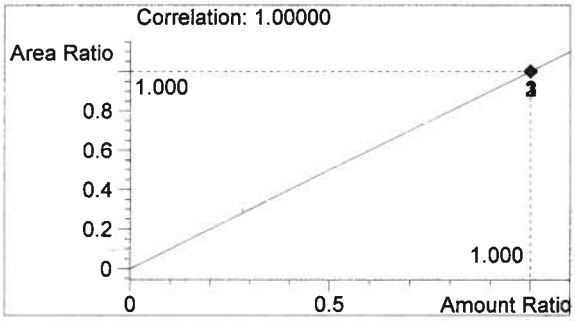


#	Compound	Area	RT
1	Ethanol	1024	1.065
2	n-Propanol	1241	1.825

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

11050

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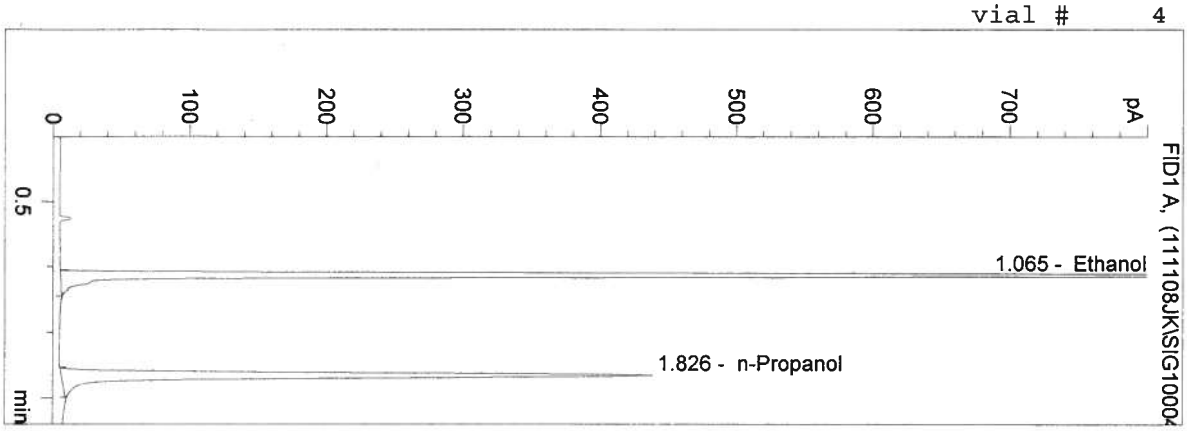
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:53:28 AM
Instrument 3
DB-ALC2

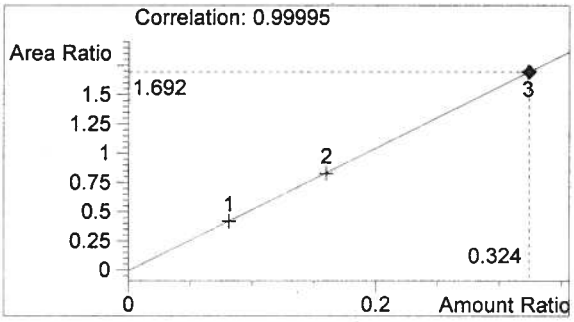
CAL3 0.316
Justin Knoy

vial # 4

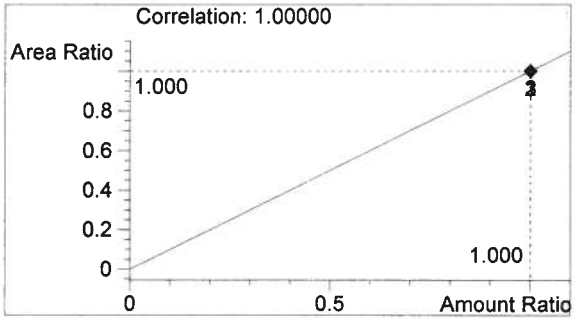


#	Compound	Area	RT
1	Ethanol	2055	1.065
2	n-Propanol	1214	1.826

Totals:



Ethanol 0.324 g/100ml



n-Propanol 1.000 g/100ml

11050

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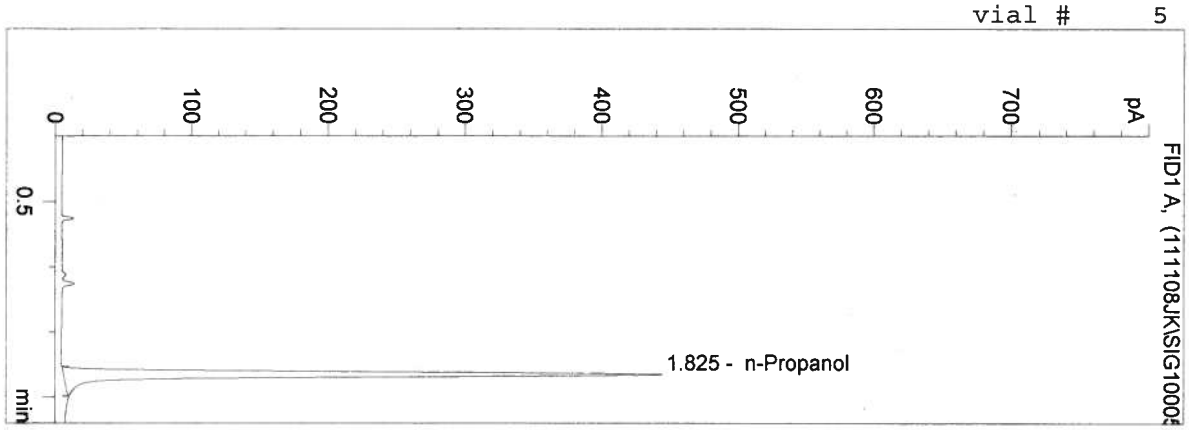
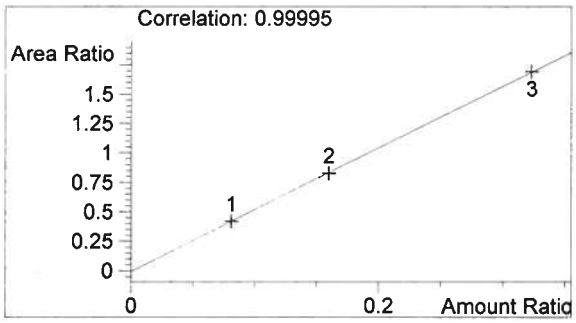
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:56:35 AM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

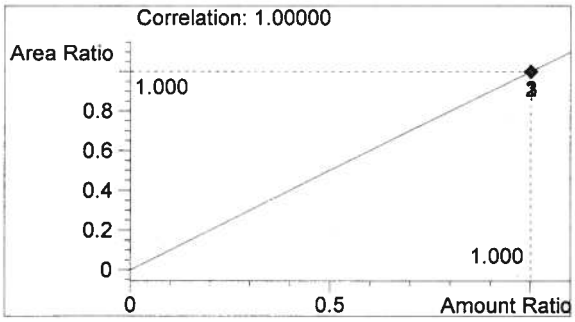
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1234	1.825
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

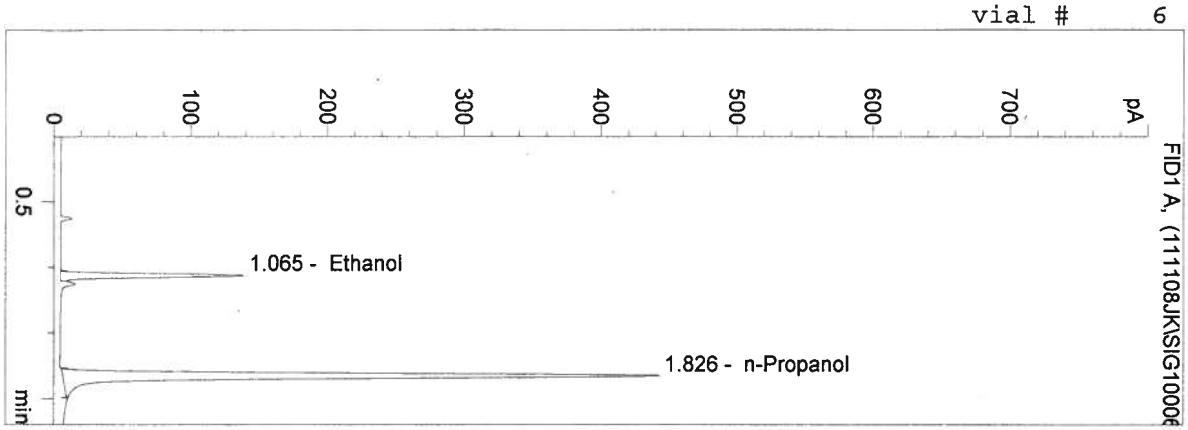
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 11:59:43 AM
Instrument 3
DB-ALC2

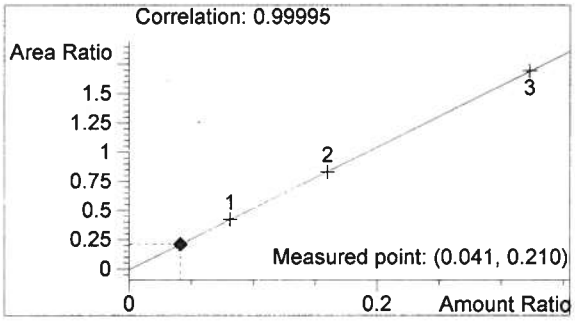
0.04 CTRL JK
Justin Knoy

vial # 6

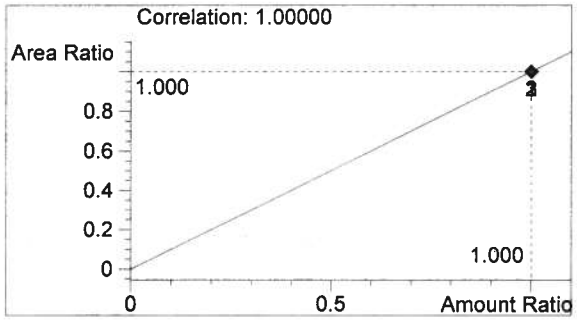


#	Compound	Area	RT
1	Ethanol	256	1.065
2	n-Propanol	1223	1.826

Totals:



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

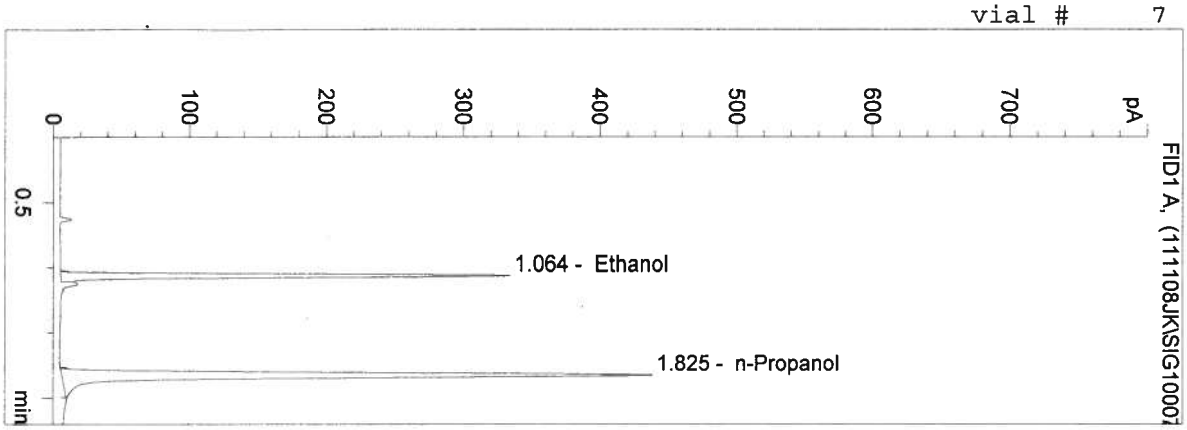
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:02:50 PM
Instrument 3
DB-ALC2

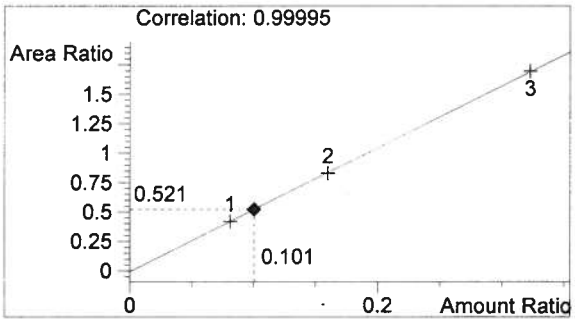
0.10 CTRL JK
Justin Knoy

vial # 7

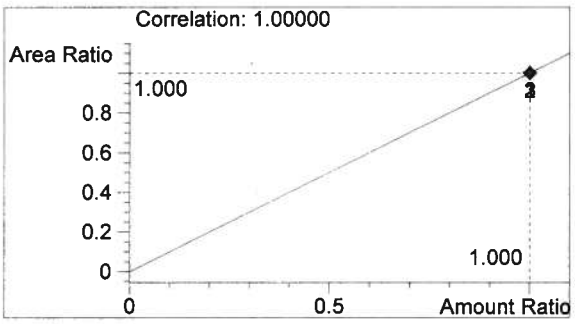


#	Compound	Area	RT
1	Ethanol	632	1.064
2	n-Propanol	1212	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

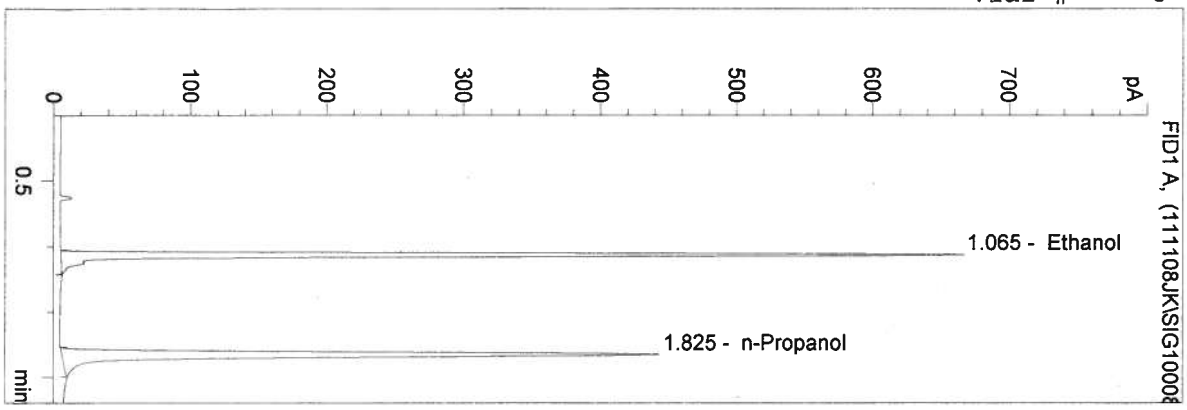
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:05:58 PM
Instrument 3
DB-ALC2

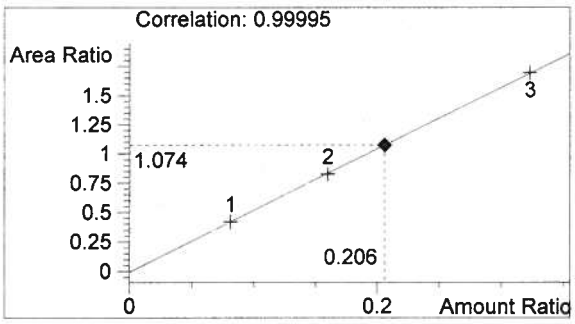
0.20 CTRL JK
Justin Knoy

vial # 8

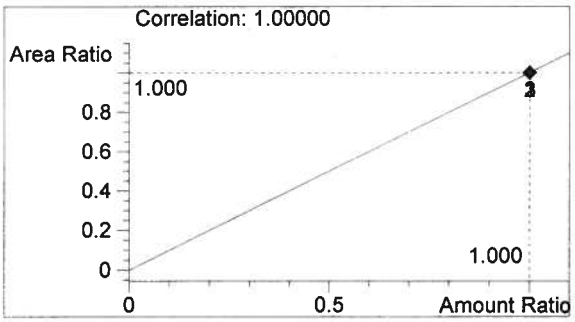


#	Compound	Area	RT
1	Ethanol	1317	1.065
2	n-Propanol	1226	1.825

Totals:



Ethanol 0.206 g/100ml



n-Propanol 1.000 g/100ml

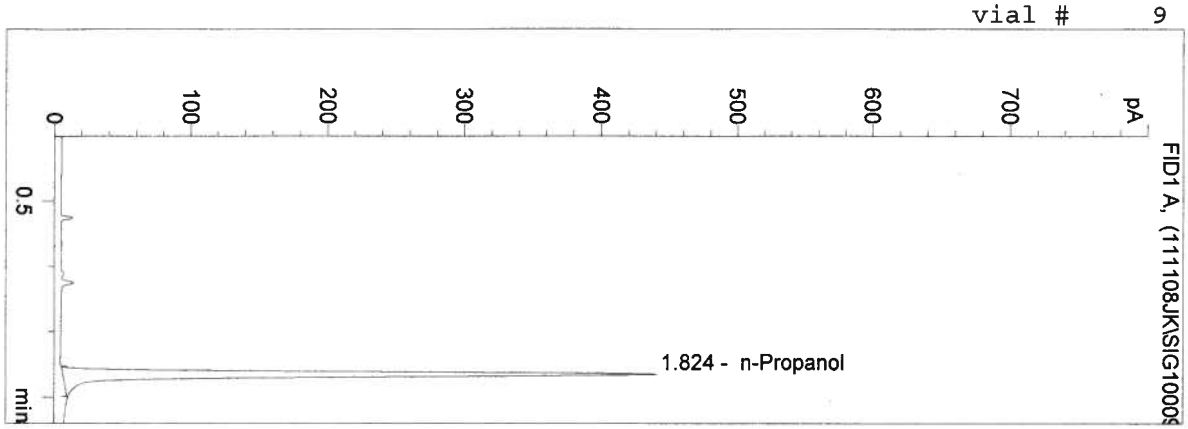
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

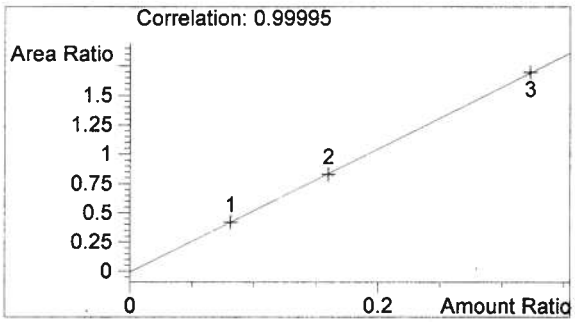
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:09:05 PM
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

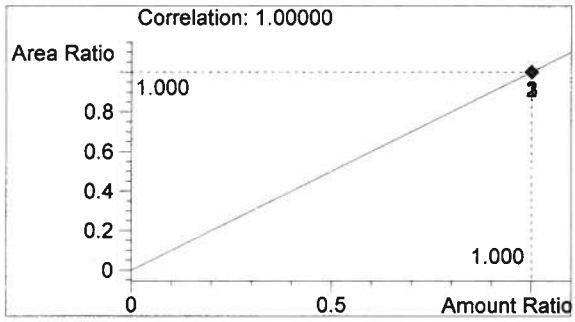
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1216	1.824
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

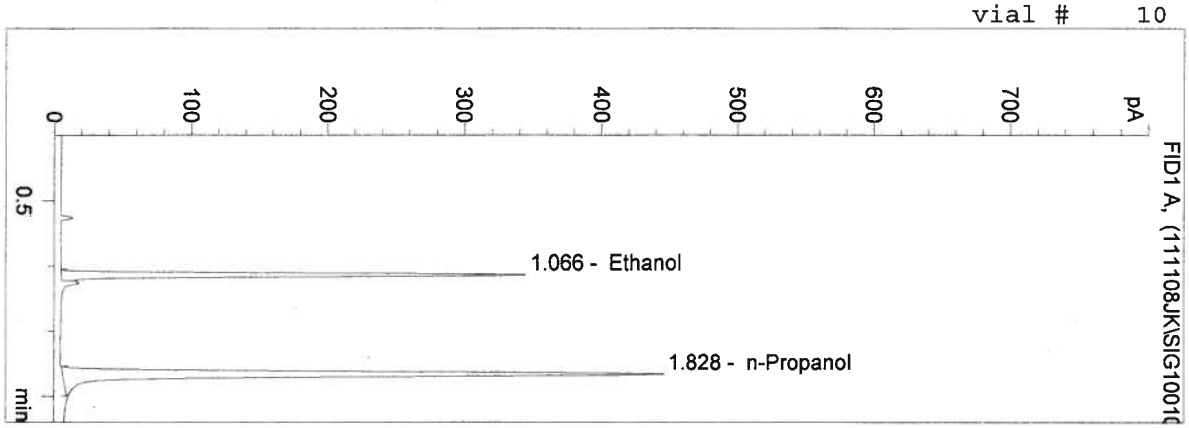
11050

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:12:12 PM
Instrument 3
DB-ALC2

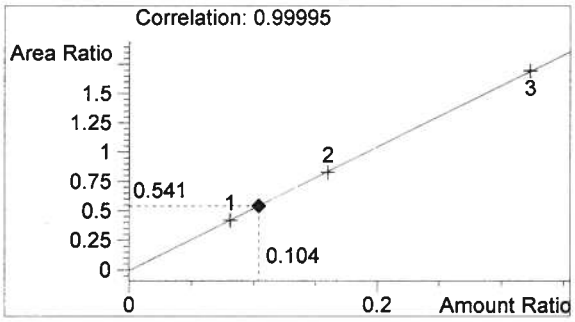
11050-1
Justin Knoy

vial # 10

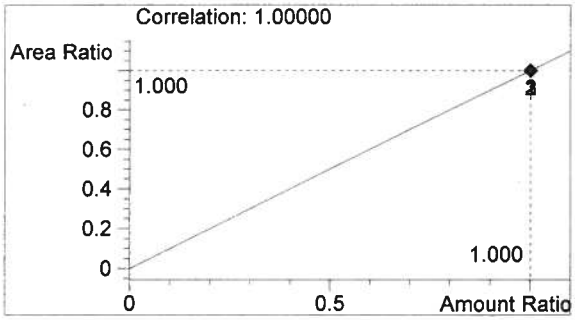


#	Compound	Area	RT
1	Ethanol	671	1.066
2	n-Propanol	1240	1.828

Totals:



Ethanol 0.104 g/100ml



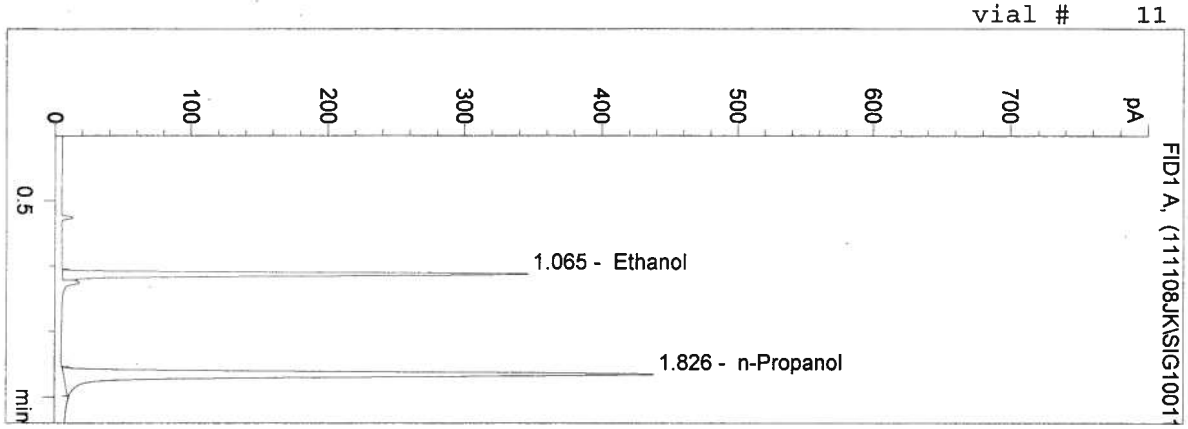
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:15:20 PM
Instrument 3
DB-ALC2

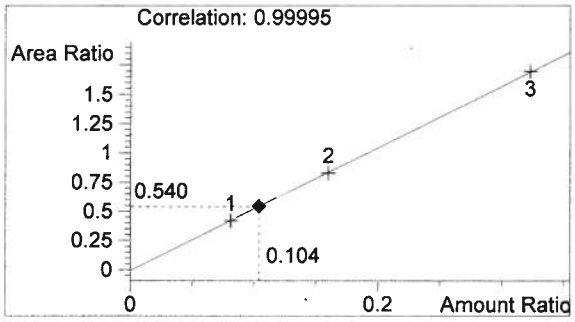
11050-2
Justin Knoy

vial # 11

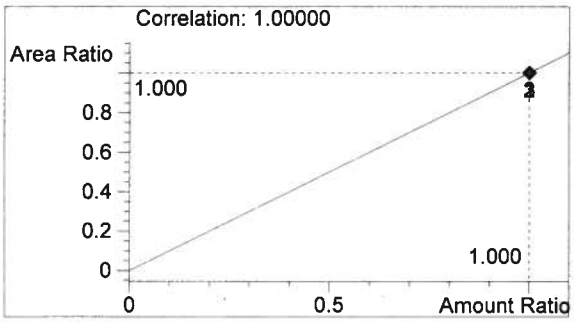


#	Compound	Area	RT
1	Ethanol	653	1.065
2	n-Propanol	1209	1.826

Totals:



Ethanol 0.104 g/100ml



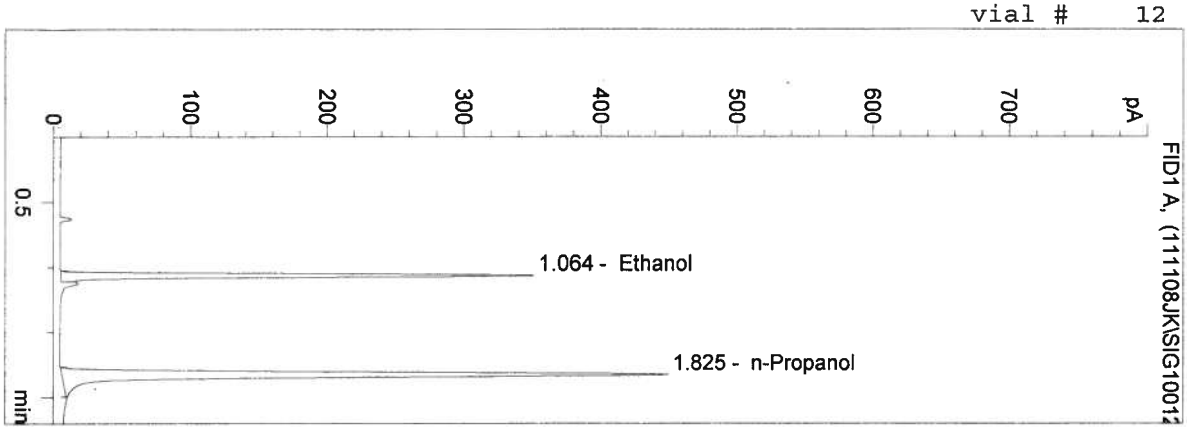
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

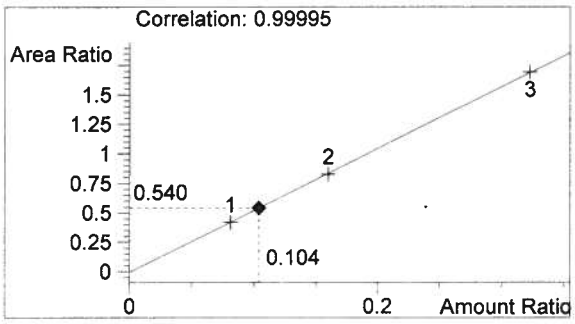
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:18:27 PM
Instrument 3
DB-ALC2

11050-3
Justin Knoy

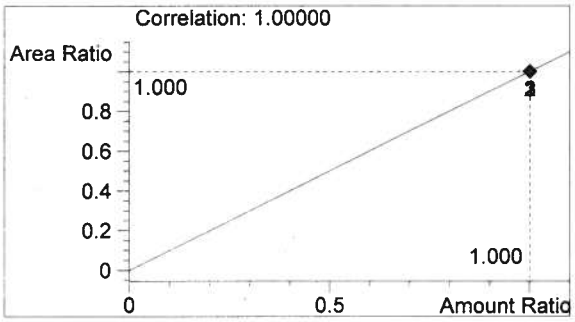
vial # 12



#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1245	1.825
Totals:			



Ethanol 0.104 g/100ml



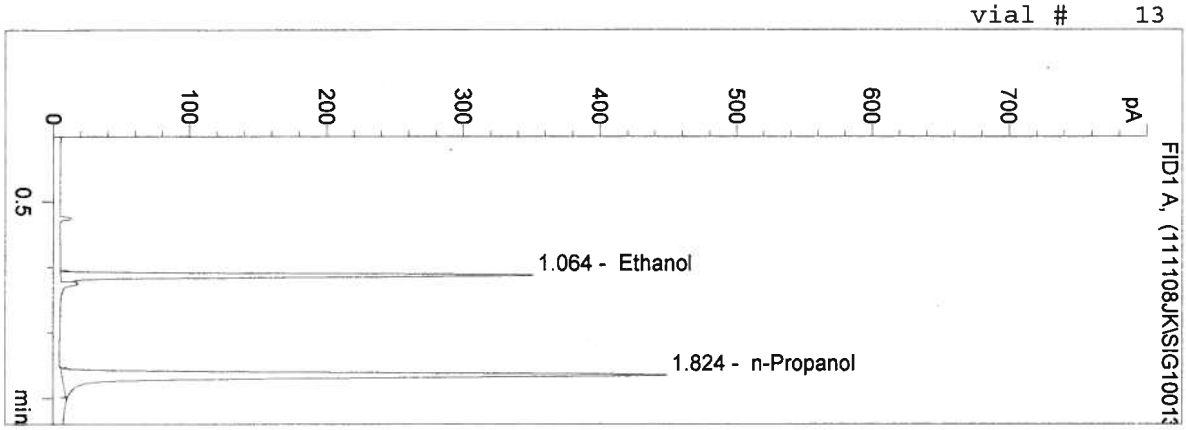
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 12:21:34 PM
Instrument 3
DB-ALC2

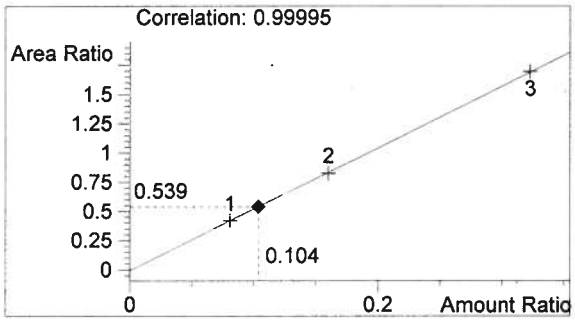
11050-4
Justin Knoy

vial # 13

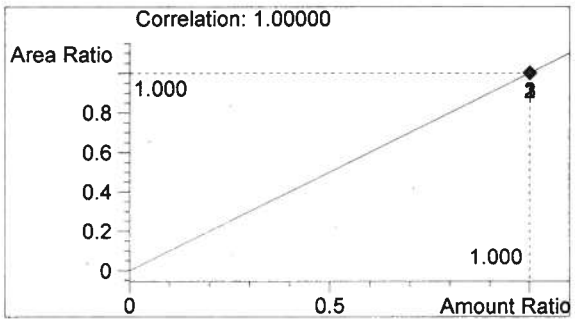


#	Compound	Area	RT
1	Ethanol	668	1.064
2	n-Propanol	1240	1.824

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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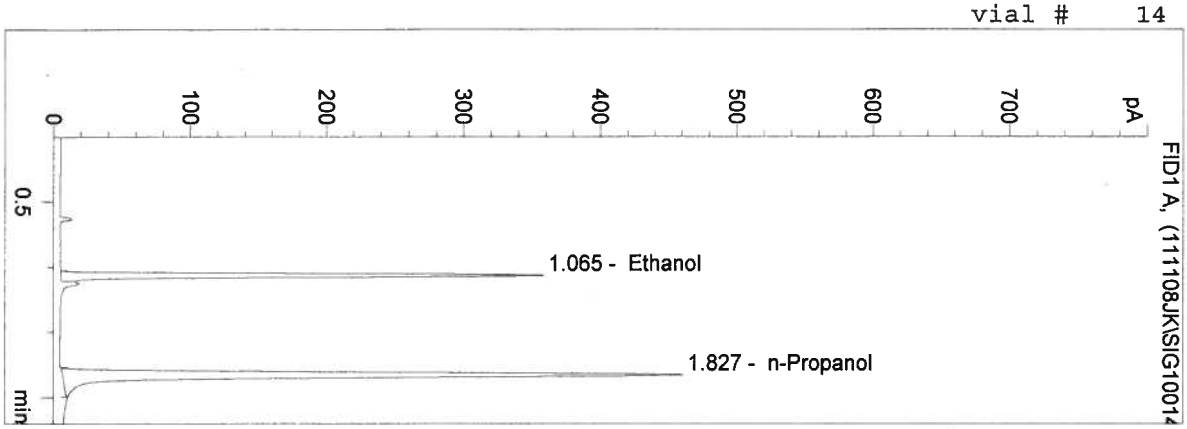
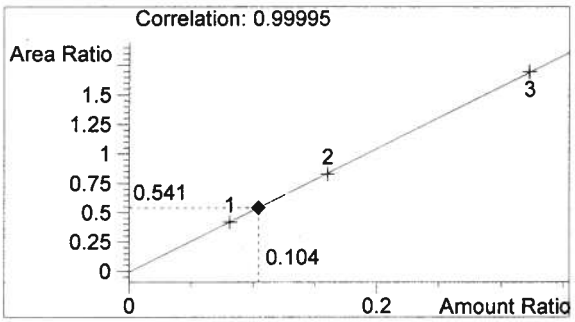
Instrument 3
DB-ALC2

11050-5
Justin Knoy

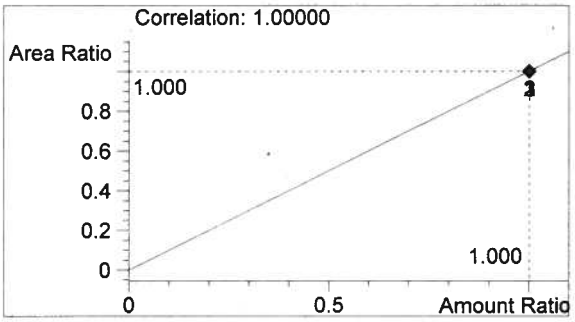
vial # 14



#	Compound	Area	RT
1	Ethanol	690	1.065
2	n-Propanol	1276	1.827
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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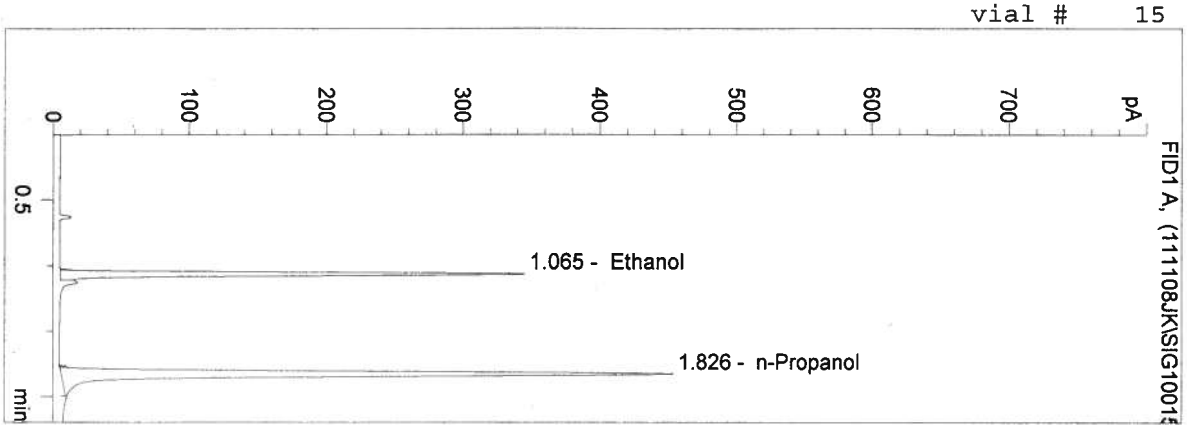
Instrument 3
DB-ALC2

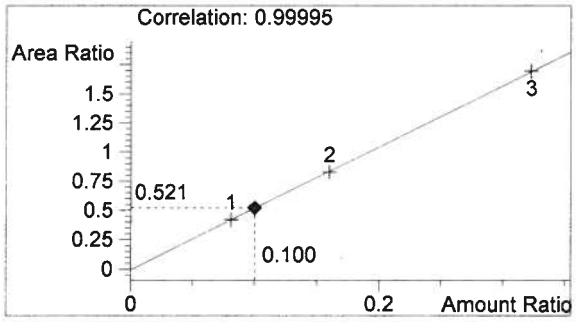
0.10 CTRL JK
Justin Knoy

vial # 15

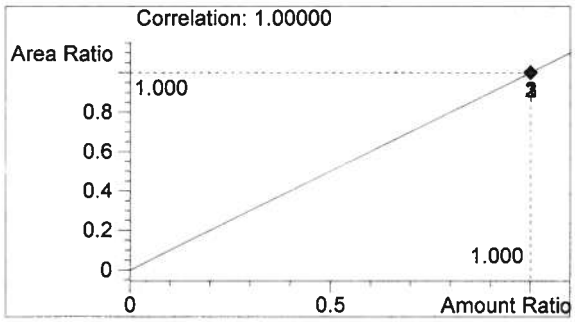


#	Compound	Area	RT
1	Ethanol	654	1.065
2	n-Propanol	1257	1.826

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

11050

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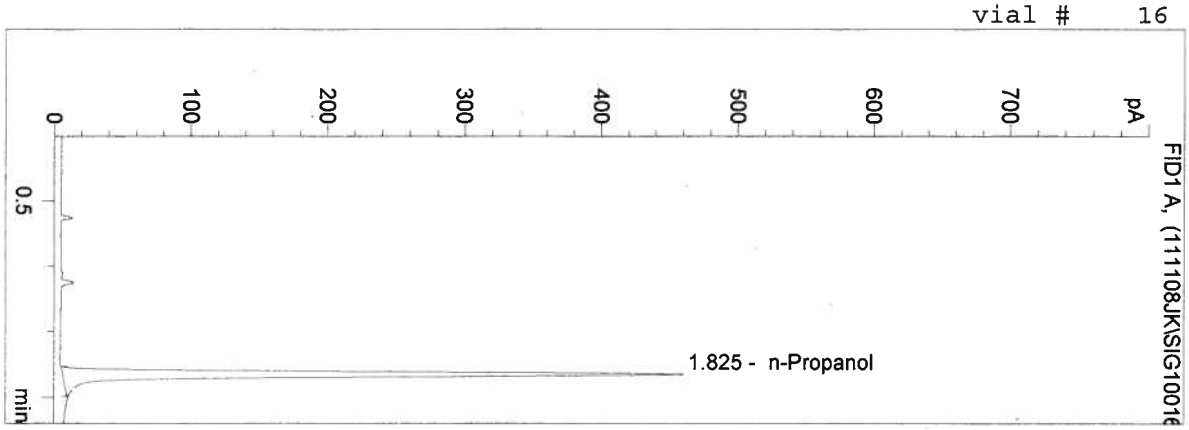
Instrument 3
DB-ALC2

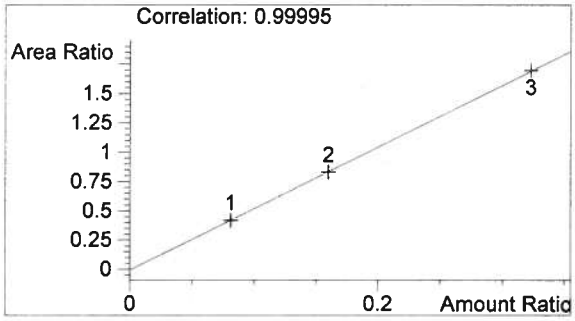
NEG CTRL JK
Justin Knoy

vial # 16

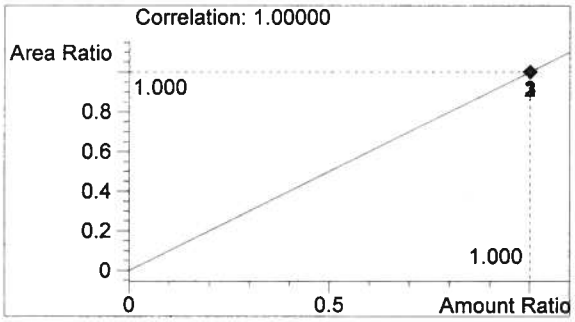


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1269	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

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:	111108CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 control lot# a075264 exp 10/2014
0.10 control lot# a075806 exp 11/2014
0.20 control lot# a076521 exp 12/2014
0.079 cal lot# E0911-01 exp 12/2011
0.158 cal lot# E0911-02 exp 12/2011
0.316 cal lot# E0911-03 exp 12/2011

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	0.079 cal lot# E0911-01 exp 12/2011
3	Vial 3	0.158 cal lot# E0911-02 exp 12/2011
4	Vial 4	0.316 cal lot# E0911-03 exp 12/2011
5	Vial 5	
6	Vial 6	0.04 control lot# a075264 exp 10/2014
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	
15	Vial 15	0.10 control lot# a075806 exp 11/2014

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CJ

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 11050 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 11050 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 11050 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 11050 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 11050 #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!

11050

CJ

Calibration Table

Calib. Data Modified : Wednesday, November 09, 2011 7:38:33 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	8.12800e-2	525.28693	1.54734e-4	1		Ethanol
		2	1.60090e-1	1000.79578	1.59963e-4			
		3	3.22750e-1	2043.81030	1.57916e-4			
1.824	1	1	1.00000	1251.54016	7.99016e-4	I1		n-Propanol
		2	1.00000	1205.69482	8.29397e-4			
		3	1.00000	1212.29578	8.24881e-4			

Peak Sum Table

No Entries in table

11050

Reprinted on 11/9/2011 for 11/8/2011 Run CJ 11/9/11

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Calibration Curves

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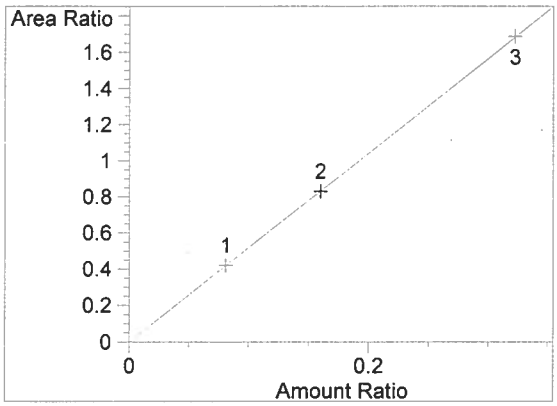
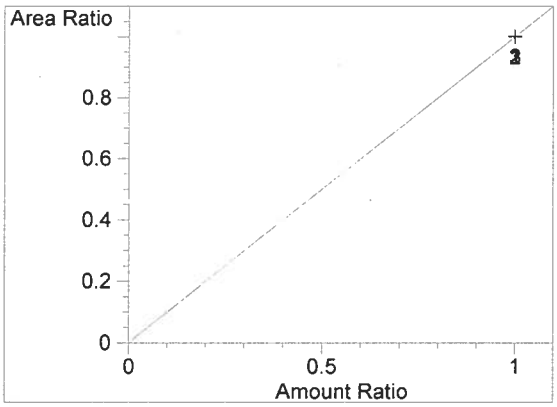


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00393
Formula: y = mx + b
m: 5.22658
b: -3.18746e-3
x: Amount Ratio
y: Area Ratio



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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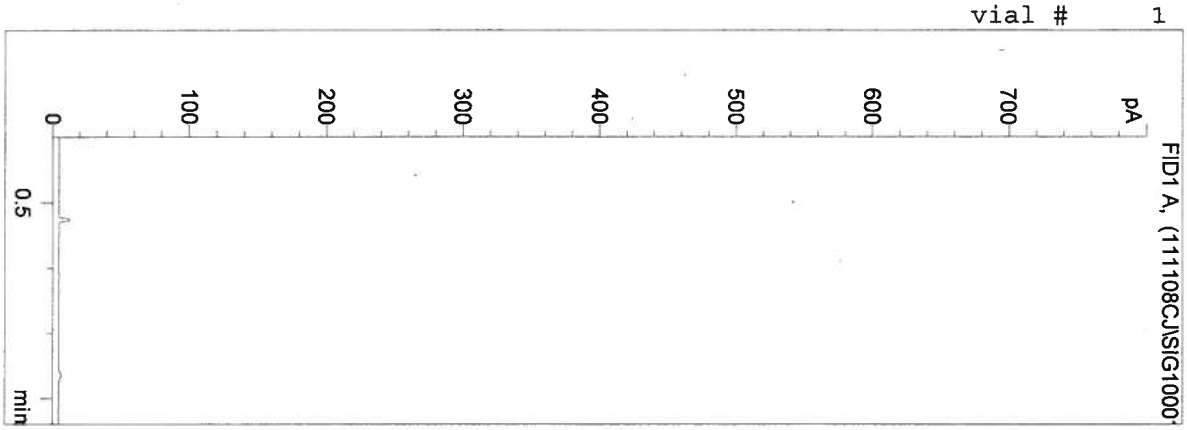
Reprinted 11/9/2011 CW 11/9/11

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 4:26:50 PM
Instrument 3
DB-ALC2

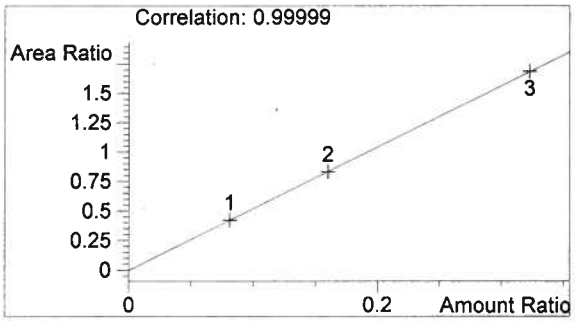
BLANK-CJ
Chris Johnston

vial # 1

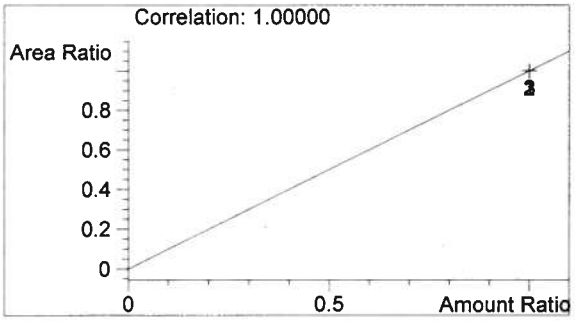


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11050

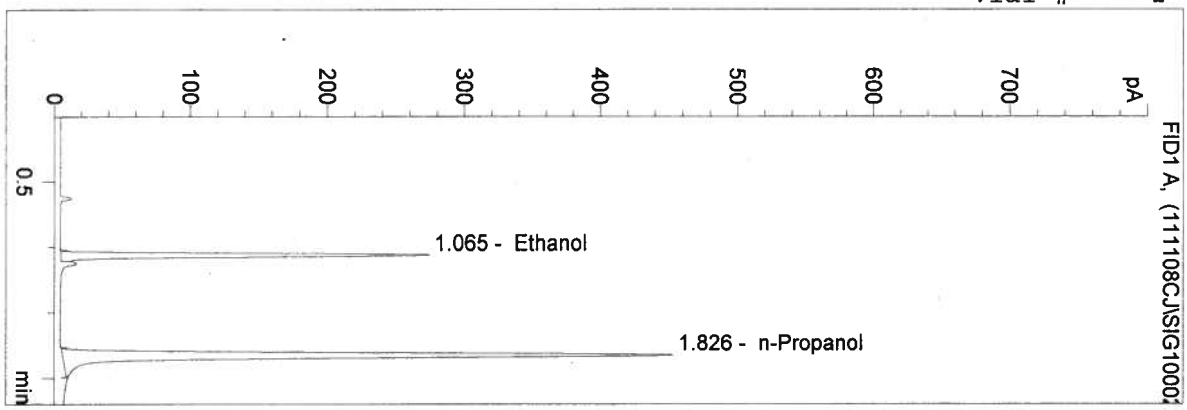
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 4:29:57 PM
Instrument 3
DB-ALC2

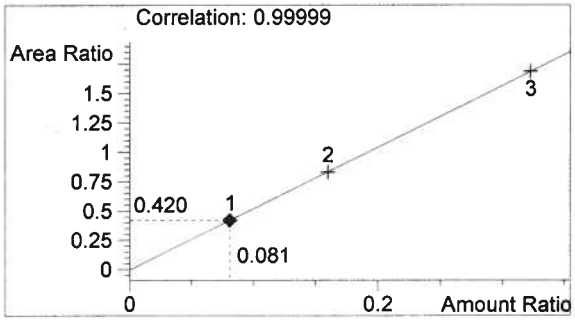
0.079 CAL 1
Chris Johnston

vial # 2

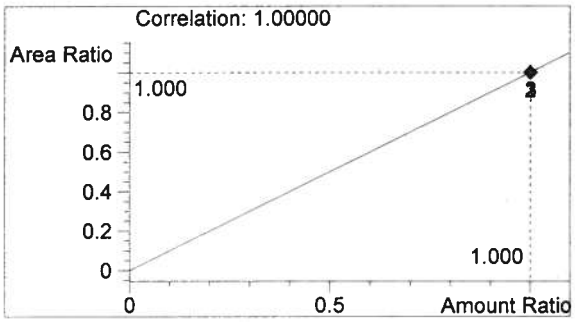


#	Compound	Area	RT
1	Ethanol	525	1.065
2	n-Propanol	1252	1.826

Totals:



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

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C

WASHINGTON STATE TOXICOLOGY LABORATORY

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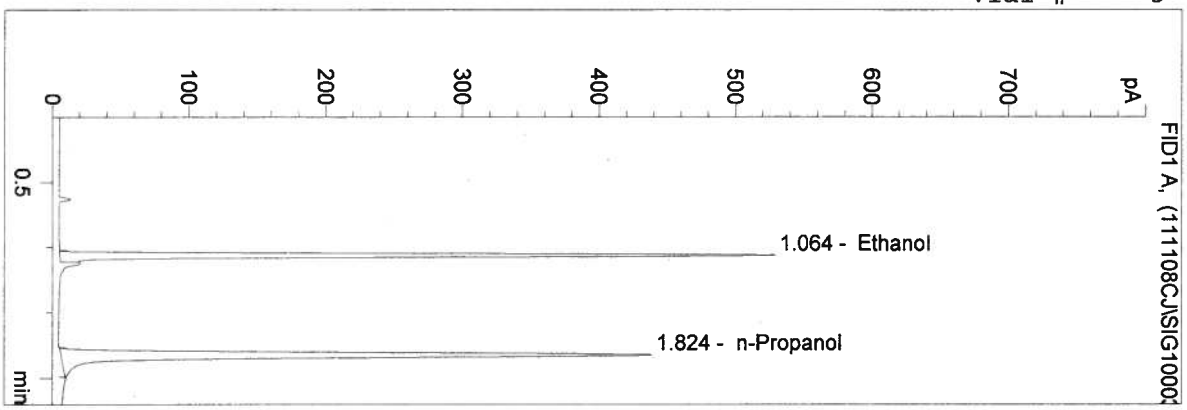
11/8/2011 4:33:04 PM
Instrument 3
DB-ALC2

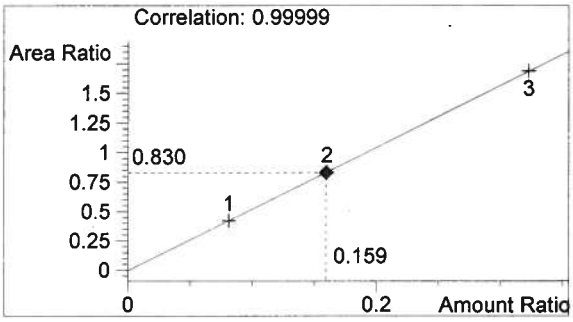
0.158 CAL 2
Chris Johnston

vial # 3

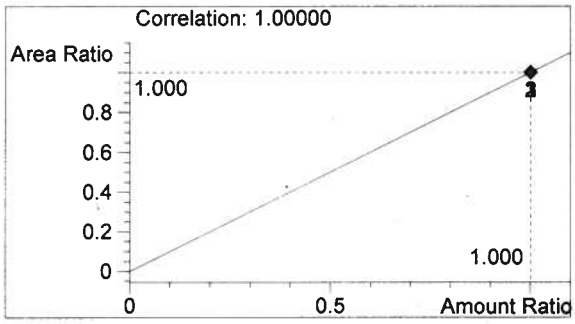


#	Compound	Area	RT
1	Ethanol	1001	1.064
2	n-Propanol	1206	1.824

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

CJ

11050

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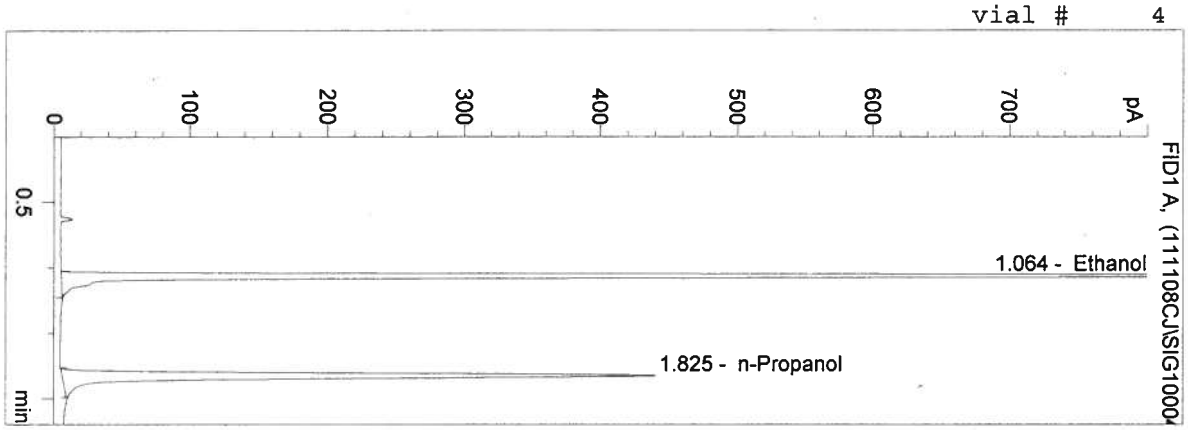
11/8/2011 4:36:12 PM
Instrument 3
DB-ALC2

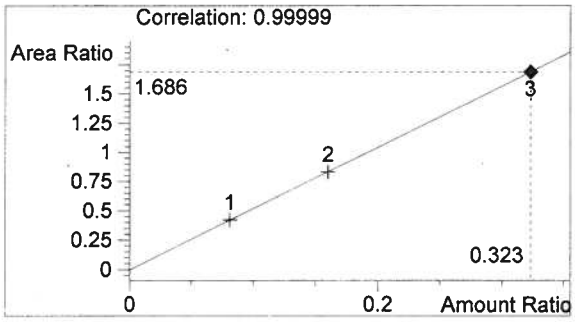
0.316 CAL 3
Chris Johnston

vial # 4

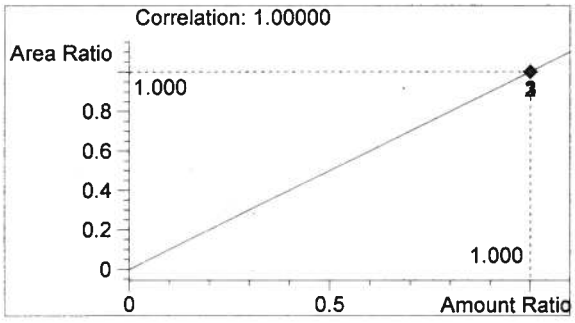


#	Compound	Area	RT
1	Ethanol	2044	1.064
2	n-Propanol	1212	1.825

Totals:



Ethanol 0.323 g/100ml



n-Propanol 1.000 g/100ml

11050
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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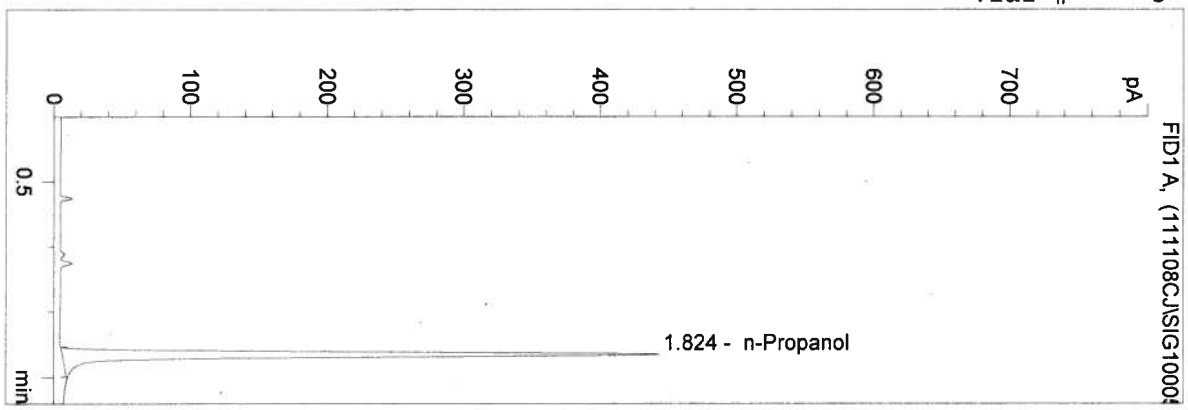
11/8/2011 4:39:19 PM
Instrument 3
DB-ALC2

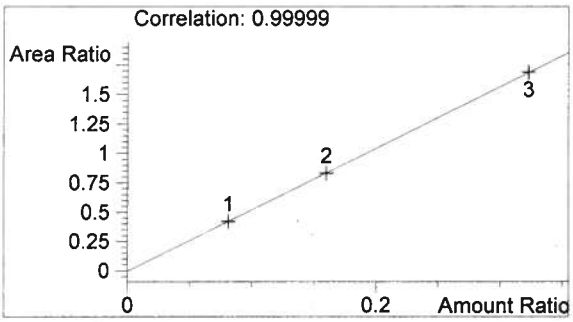
NEG CTRL-CJ
Chris Johnston

vial # 5

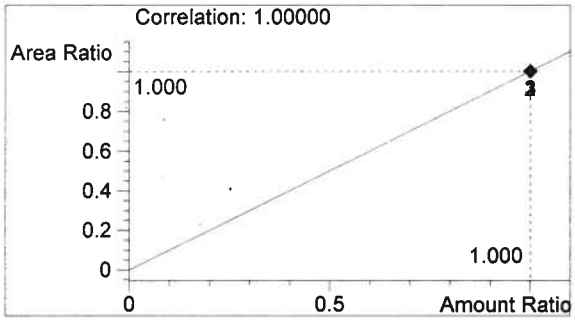


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1223	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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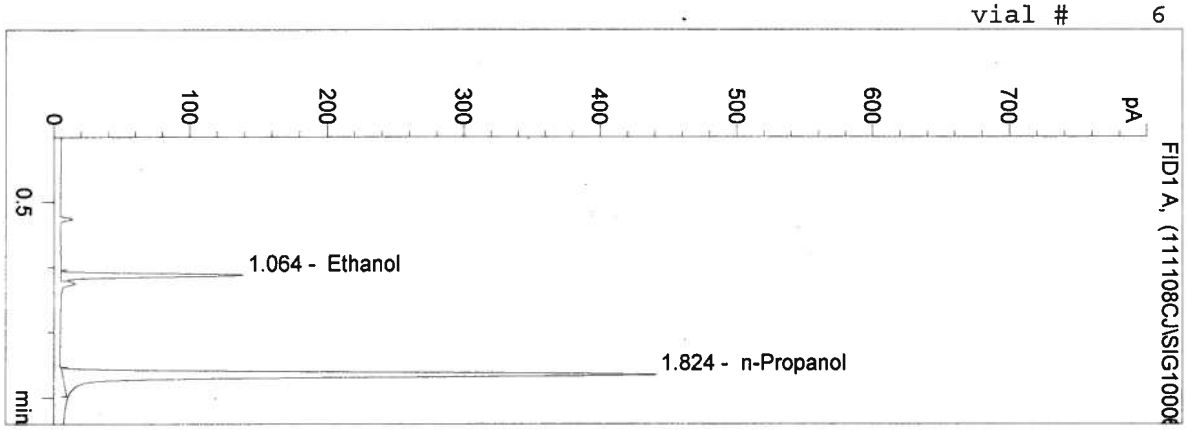
11/8/2011 4:42:26 PM
Instrument 3
DB-ALC2

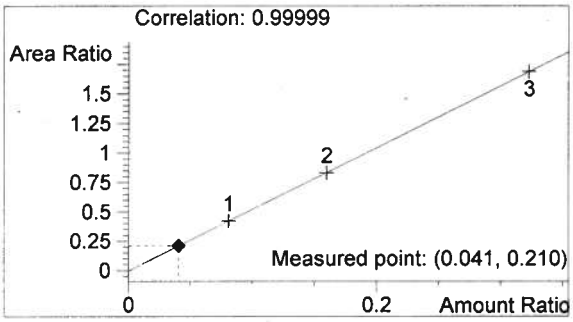
0.04 CTRL-CJ
Chris Johnston

vial # 6

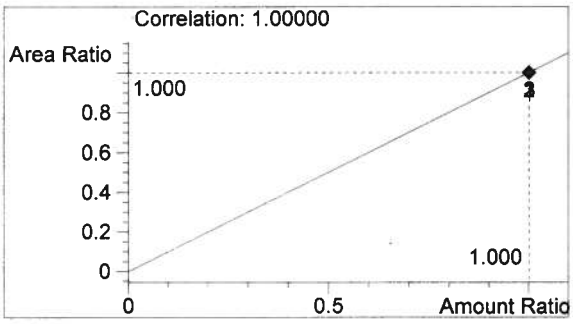


#	Compound	Area	RT
1	Ethanol	256	1.064
2	n-Propanol	1216	1.824

Totals:



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

11050

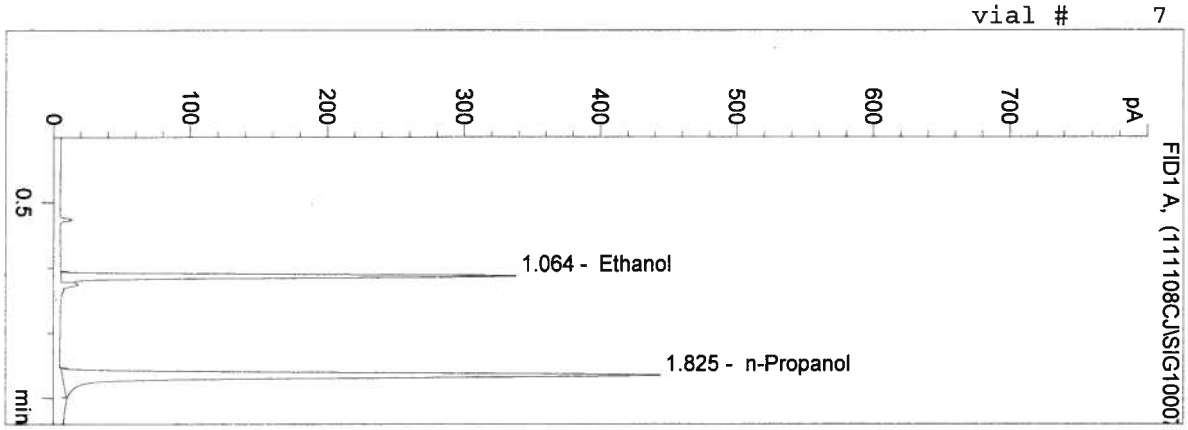
a

WASHINGTON STATE TOXICOLOGY LABORATORY

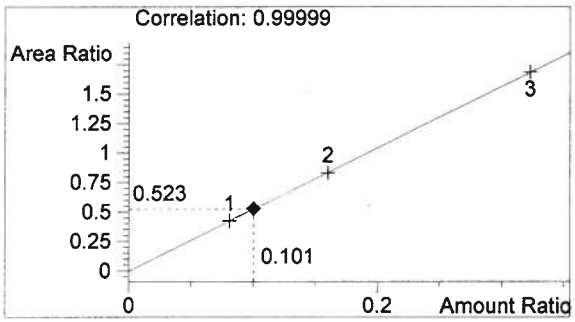
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 4:45:34 PM
Instrument 3
DB-ALC2

0.10 CTRL-CJ
Chris Johnston

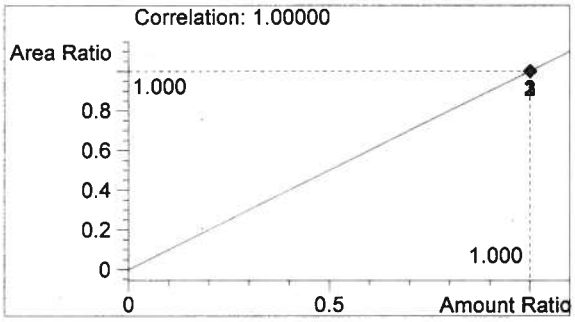
vial # 7



#	Compound	Area	RT
1	Ethanol	642	1.064
2	n-Propanol	1227	1.825
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

CJ

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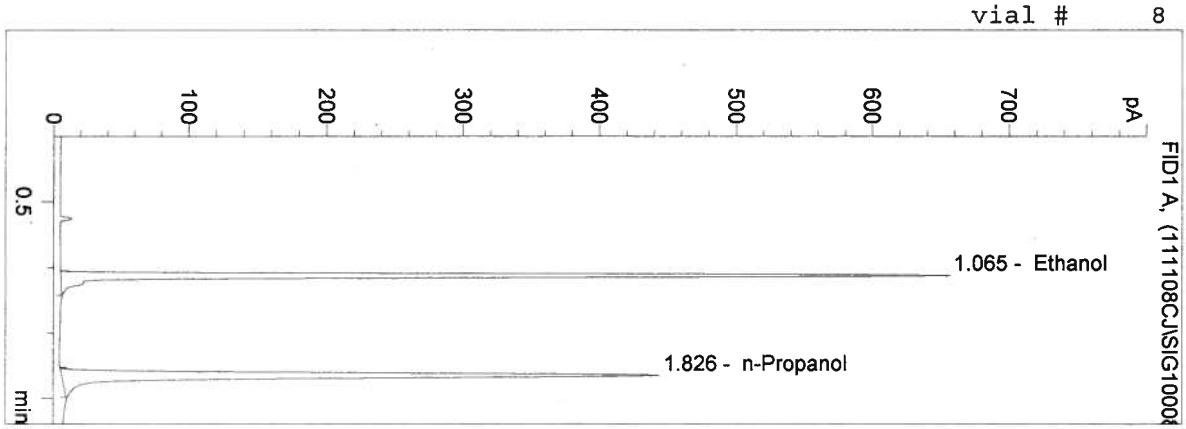
C:\HPCHEM\2\METHODS\SIMALC3.M
11/8/2011 4:48:41 PM
Instrument 3
DB-ALC2

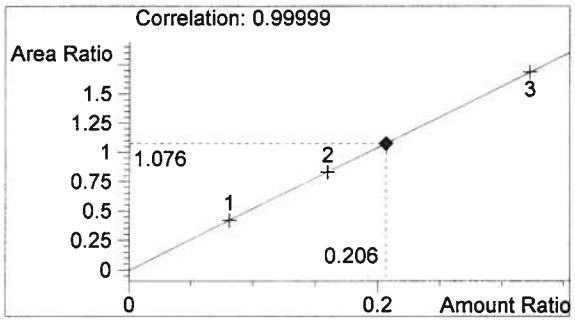
0.20 CTRL-CJ
Chris Johnston

vial # 8

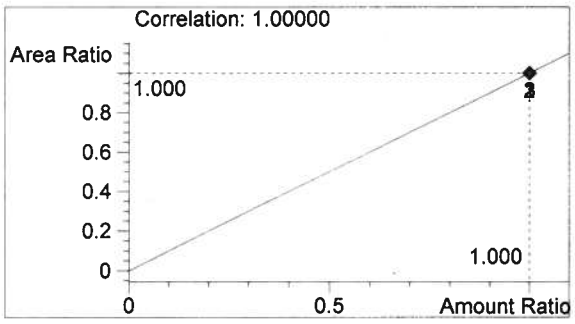


#	Compound	Area	RT
1	Ethanol	1322	1.065
2	n-Propanol	1229	1.826

Totals:



Ethanol 0.206 g/100ml



n-Propanol 1.000 g/100ml

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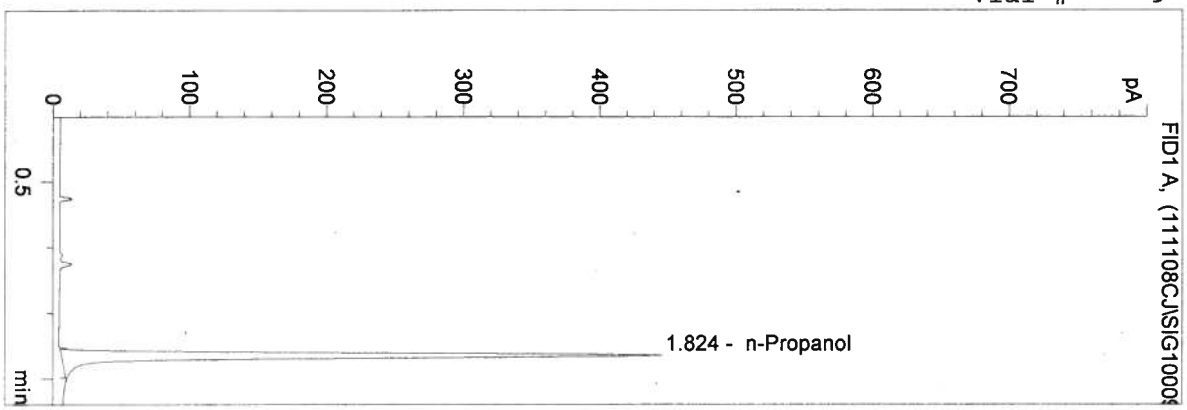
11/8/2011 4:51:49 PM
Instrument 3
DB-ALC2

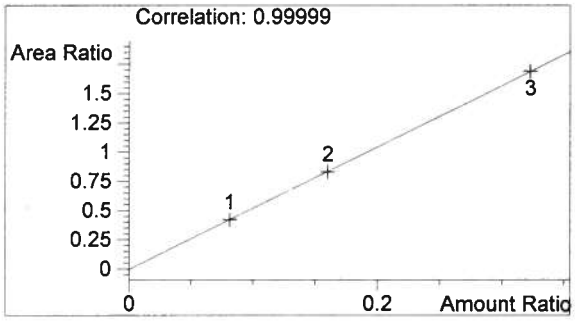
NEG CTRL-CJ
Chris Johnston

vial # 9

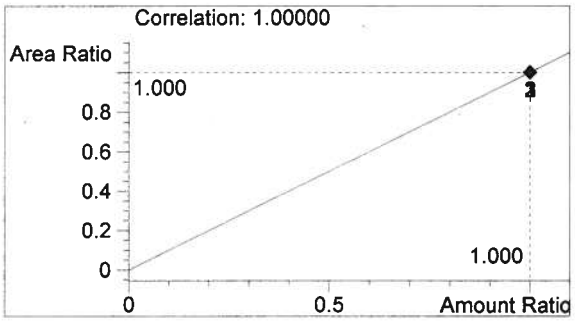


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1230	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

cJ

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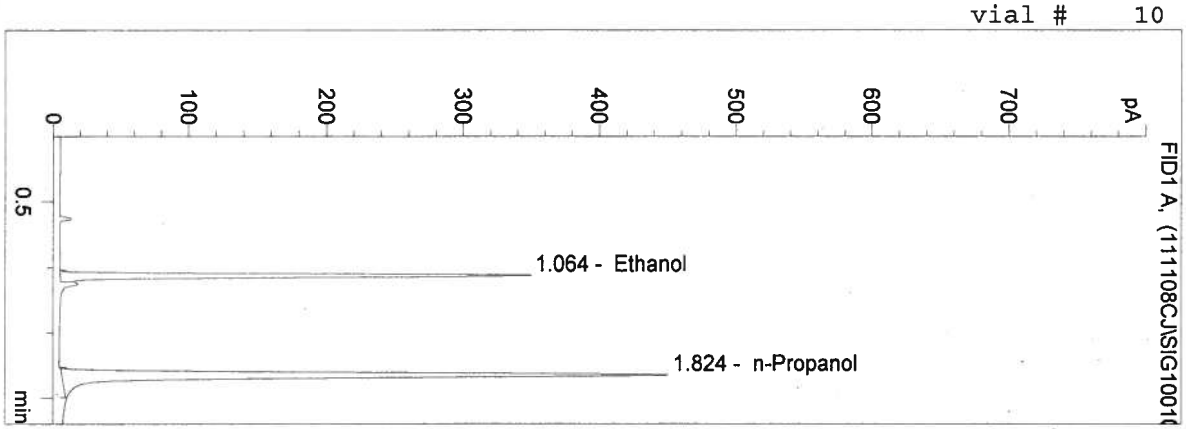
11/8/2011 4:54:56 PM
Instrument 3
DB-ALC2

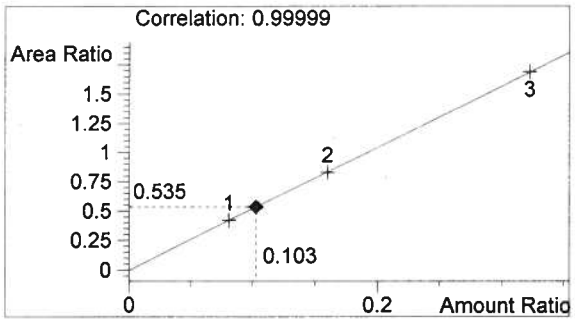
ESS 11050 #1
Chris Johnston

vial # 10

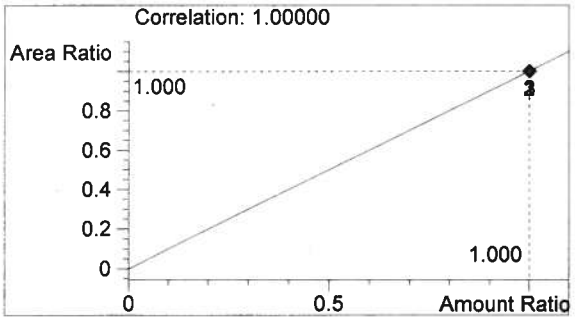


#	Compound	Area	RT
1	Ethanol	664	1.064
2	n-Propanol	1243	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

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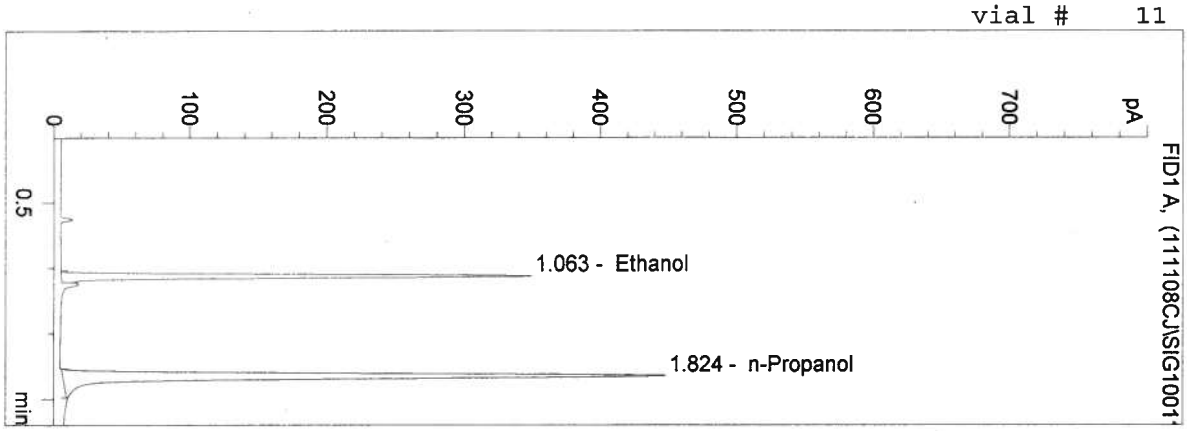
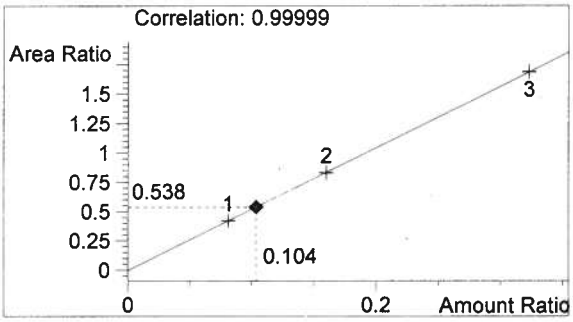
11/8/2011 4:58:03 PM
Instrument 3
DB-ALC2

ESS 11050 #2
Chris Johnston

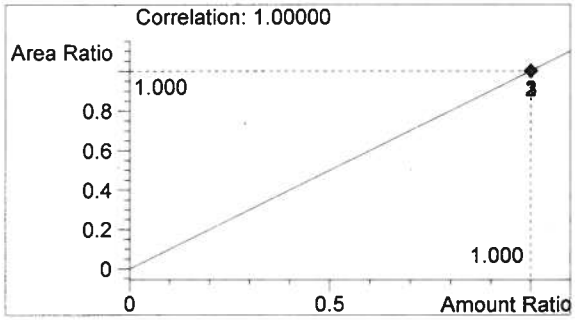
vial # 11



#	Compound	Area	RT
1	Ethanol	665	1.063
2	n-Propanol	1236	1.824
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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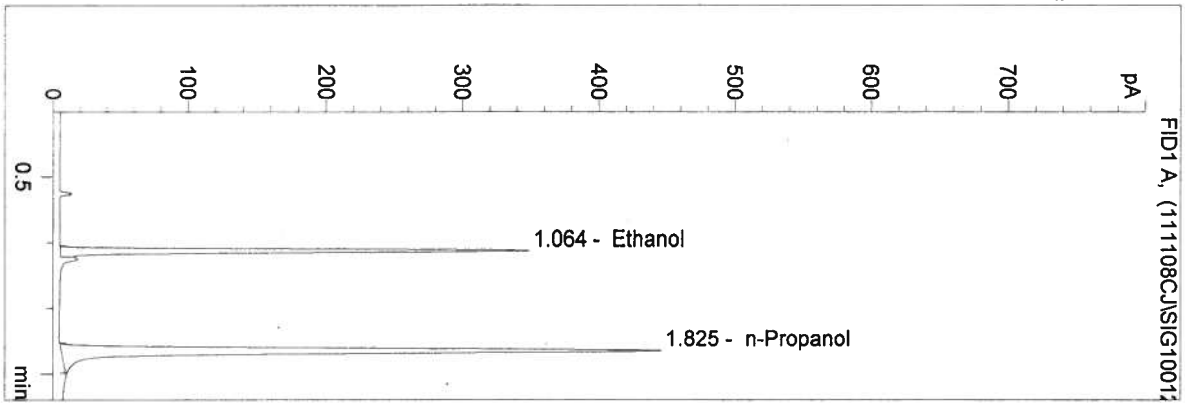
11/8/2011 5:01:11 PM
Instrument 3
DB-ALC2

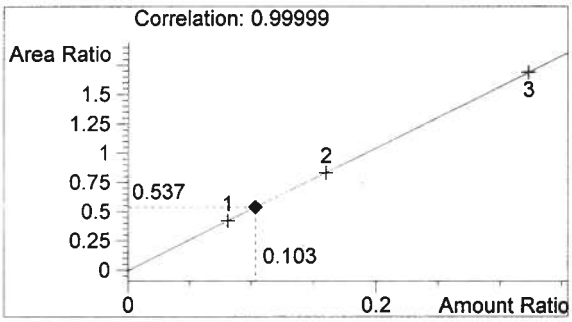
ESS 11050 #3
Chris Johnston

vial # 12

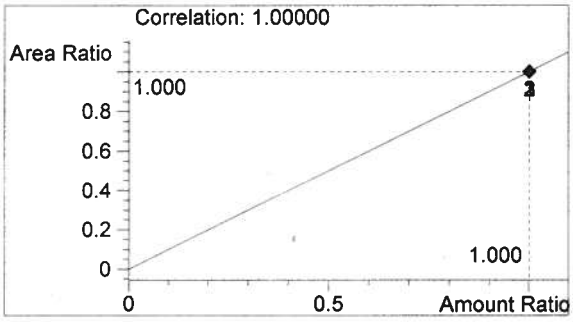


#	Compound	Area	RT
1	Ethanol	661	1.064
2	n-Propanol	1230	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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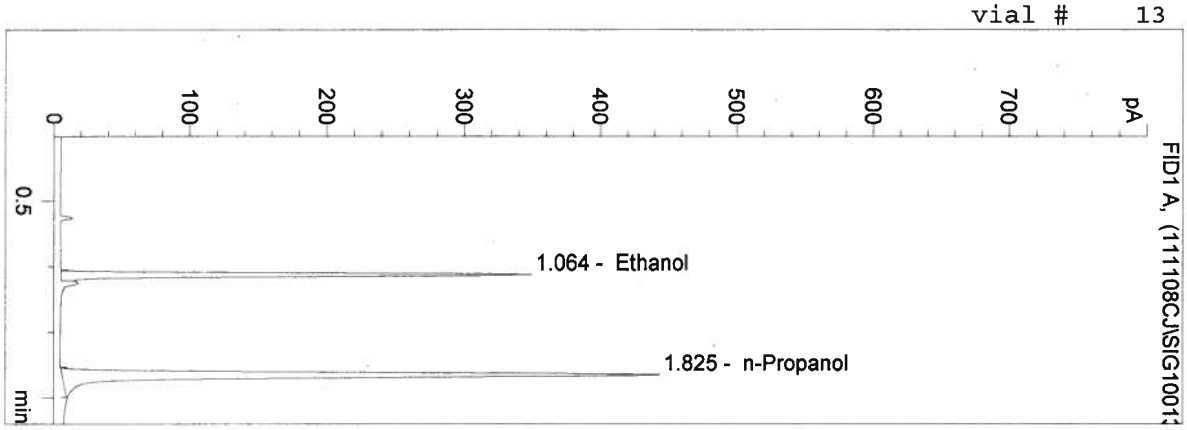
11/8/2011 5:04:18 PM
Instrument 3
DB-ALC2

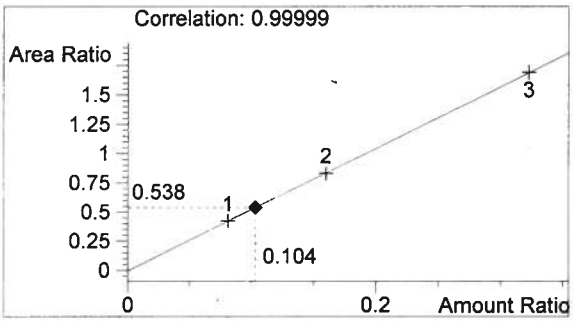
ESS 11050 #4
Chris Johnston

vial # 13

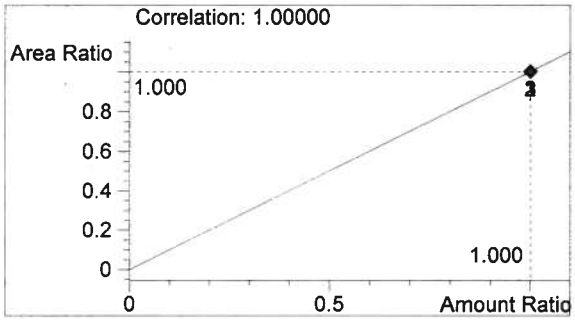


#	Compound	Area	RT
1	Ethanol	659	1.064
2	n-Propanol	1225	1.825

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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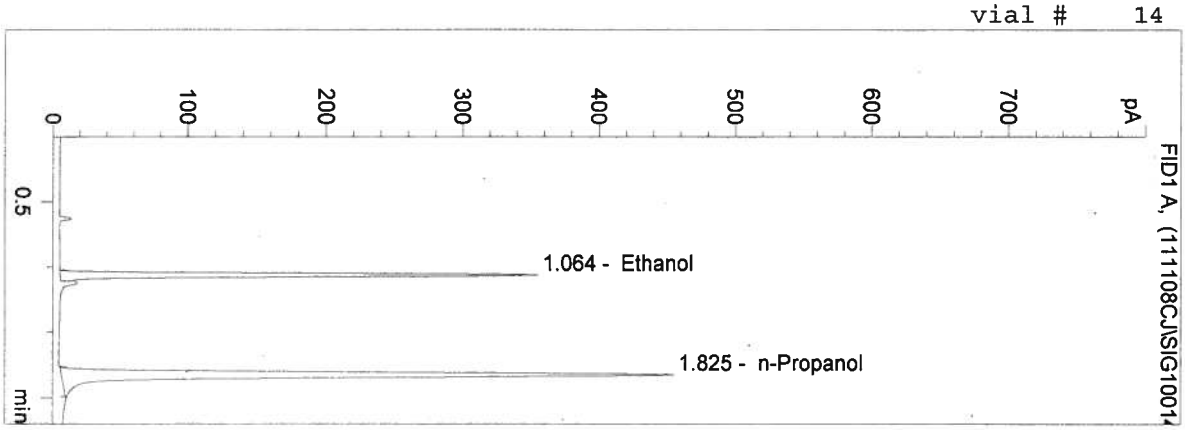
11/8/2011 5:07:26 PM
Instrument 3
DB-ALC2

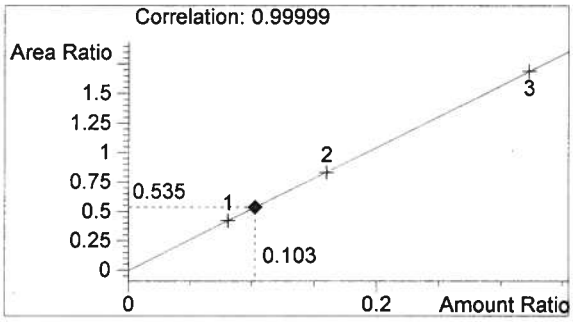
ESS 11050 #5
Chris Johnston

vial # 14

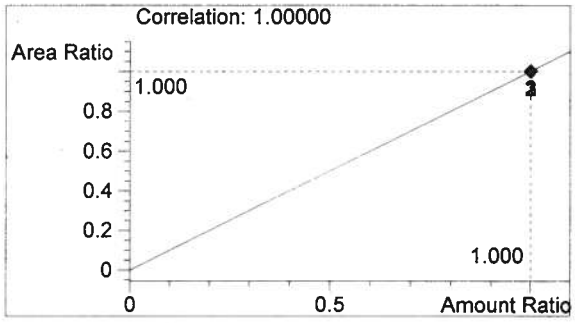


#	Compound	Area	RT
1	Ethanol	671	1.064
2	n-Propanol	1255	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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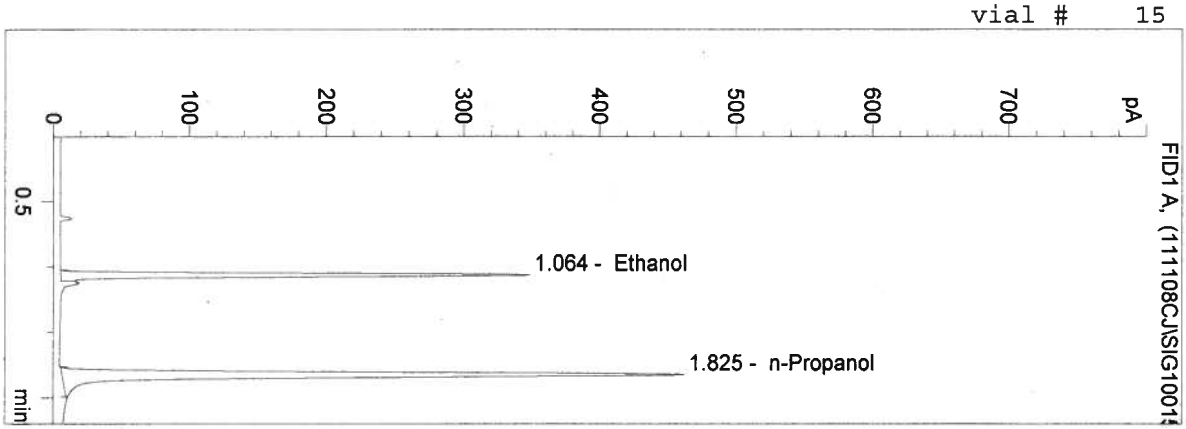
11/8/2011 5:10:33 PM
Instrument 3
DB-ALC2

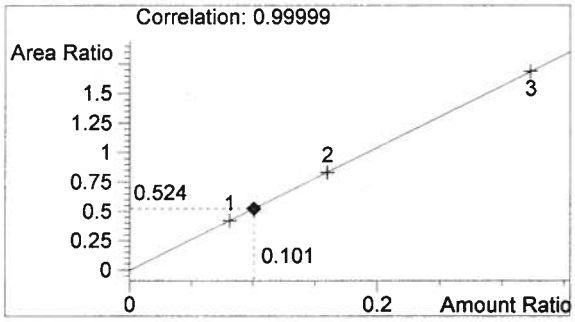
0.10 CTRL-CJ
Chris Johnston

vial # 15

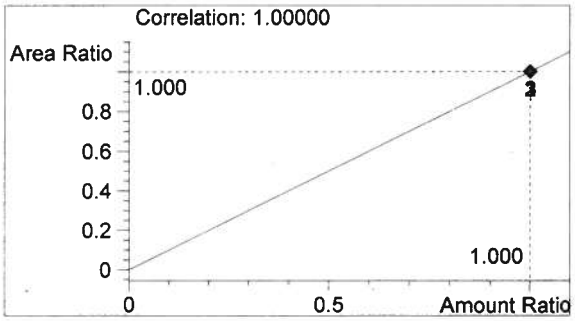


#	Compound	Area	RT
1	Ethanol	672	1.064
2	n-Propanol	1281	1.825

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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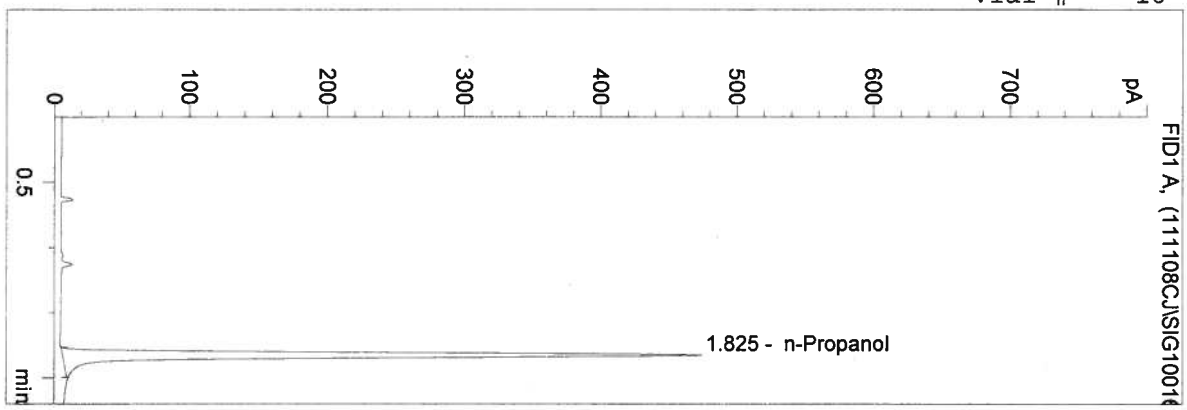
11/8/2011 5:13:40 PM
Instrument 3
DB-ALC2

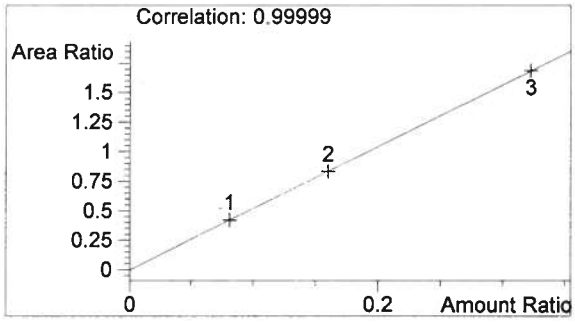
NEG CTRL-CJ
Chris Johnston

vial # 16

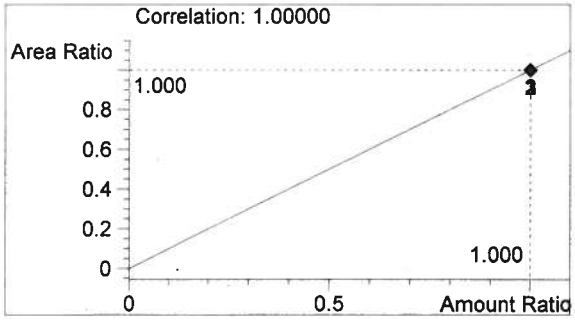


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1317	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

CJ

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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:	111109BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control Lot#A075264 exp 10/2014
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	E0911-01
3	Vial 3	E0911-02
4	Vial 4	E0911-03
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	

11050

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	11050 #1	SIMALC3	1	Sample		
11	Vial 11	11050 #2	SIMALC3	1	Sample		
12	Vial 12	11050 #3	SIMALC3	1	Sample		
13	Vial 13	11050 #4	SIMALC3	1	Sample		
14	Vial 14	11050 #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!

11050

BP

Calibration Table

Calib. Data Modified : Wednesday, November 09, 2011 1:10:48 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	8.12800e-2	516.24573	1.57444e-4	1		Ethanol
		2	1.60090e-1	1011.06006	1.58339e-4			
		3	3.22750e-1	2032.91089	1.58762e-4			
1.825	1	1	1.00000	1216.02014	8.22355e-4	I1		n-Propanol
		2	1.00000	1202.35291	8.31703e-4			
		3	1.00000	1187.83606	8.41867e-4			

Peak Sum Table

No Entries in table

11050

BP

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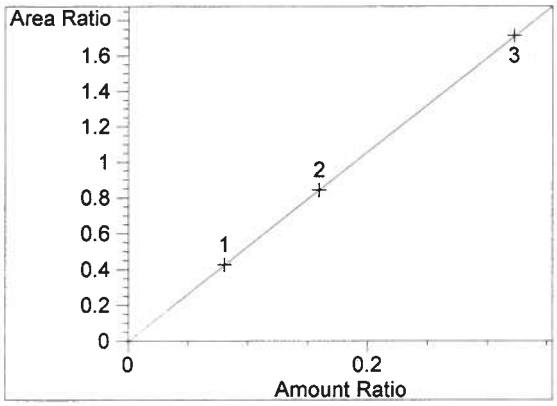
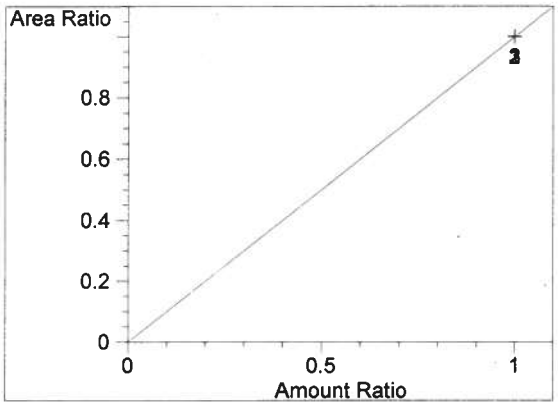
Calibration Curves

==========



Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00513
Formula: y = mx + b
m: 5.30679
b: -4.19728e-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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11050

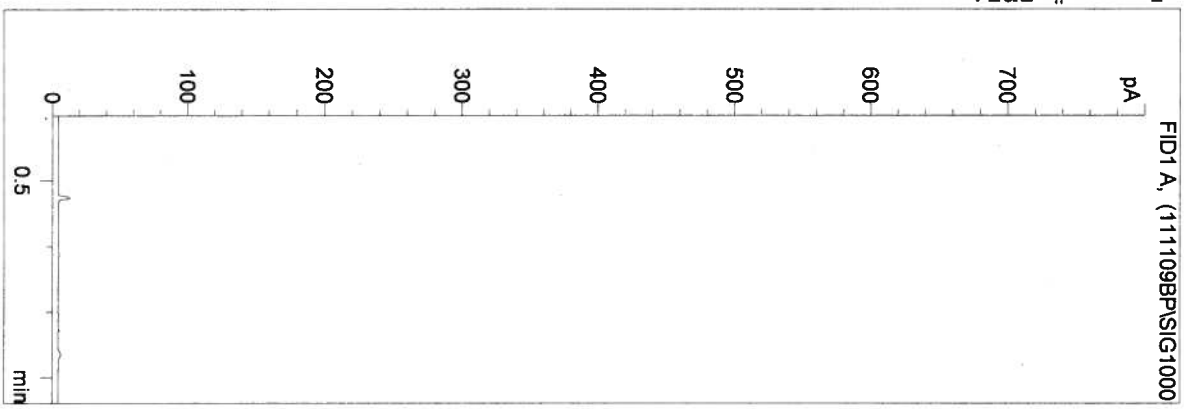
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
11/9/2011 12:59:18 PM
Instrument 3
DB-ALC2

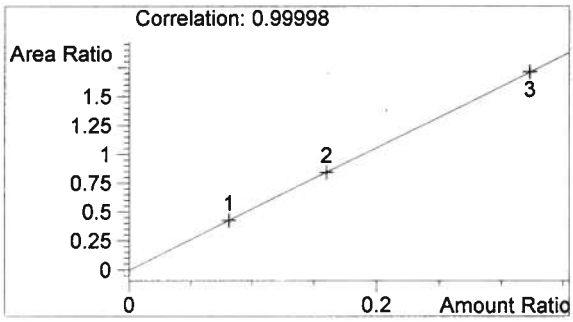
blank
Brianna Peterson

vial # 1

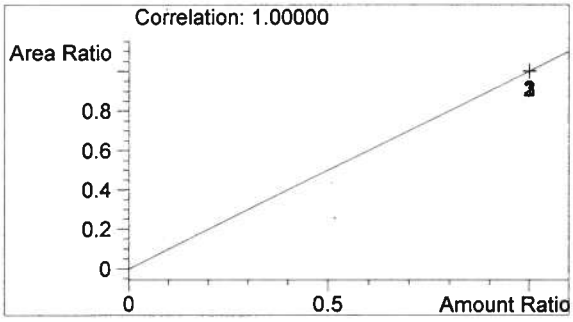


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

11050

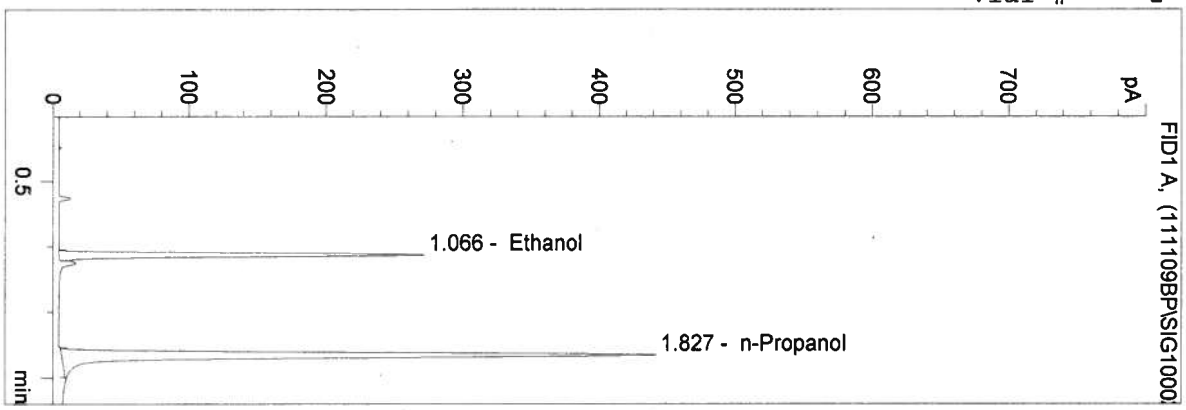
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

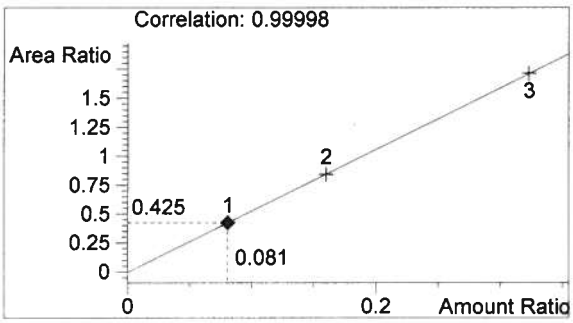
C:\HPCHEM\2\METHODS\SIMALC3.M
11/9/2011 1:02:25 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Brianna Peterson

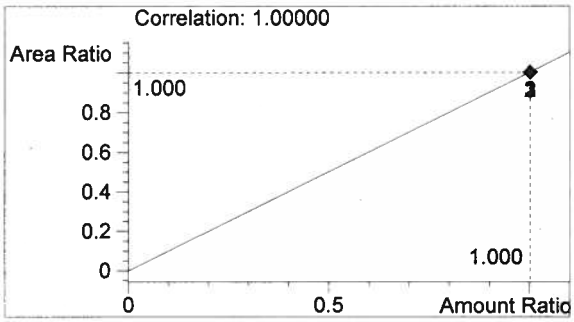
vial # 2



#	Compound	Area	RT
1	Ethanol	516	1.066
2	n-Propanol	1216	1.827
Totals:			



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

11050

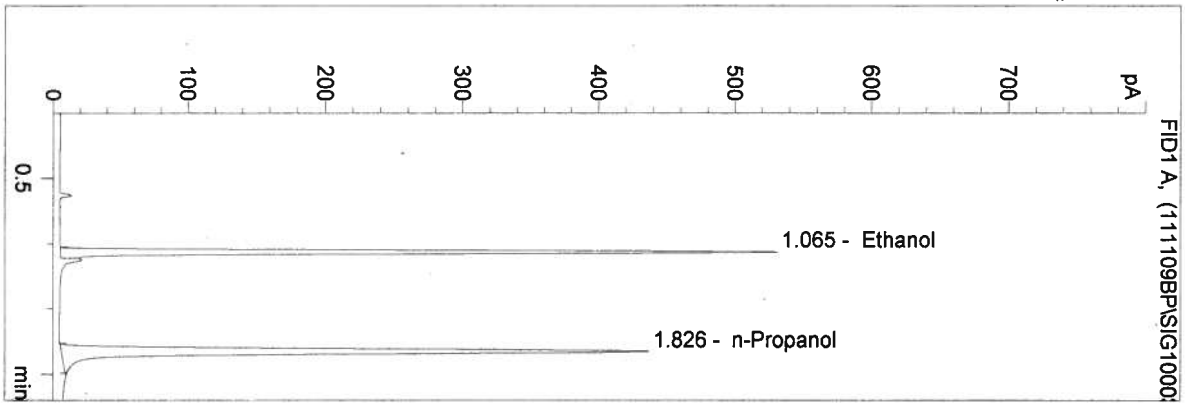
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

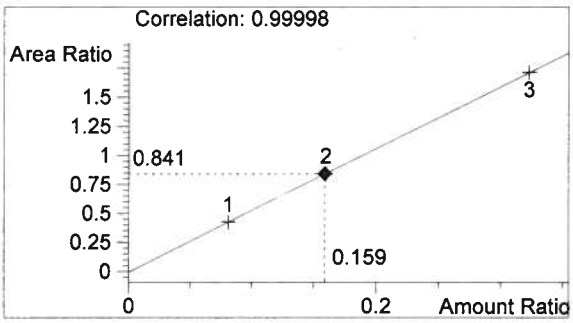
C:\HPCHEM\2\METHODS\SIMALC3.M
11/9/2011 1:05:29 PM
Instrument 3
DB-ALC2

0.158 CAL 2
Brianna Peterson

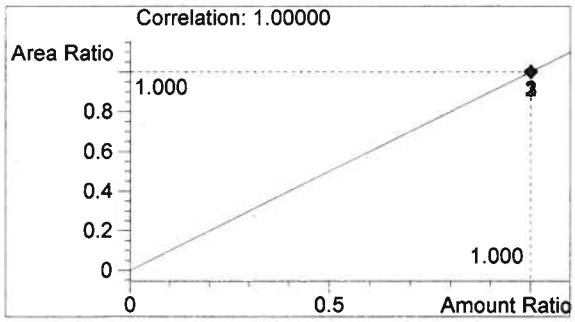
vial # 3



#	Compound	Area	RT
1	Ethanol	1011	1.065
2	n-Propanol	1202	1.826
Totals:			



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

11050

WASHINGTON STATE TOXICOLOGY LABORATORY

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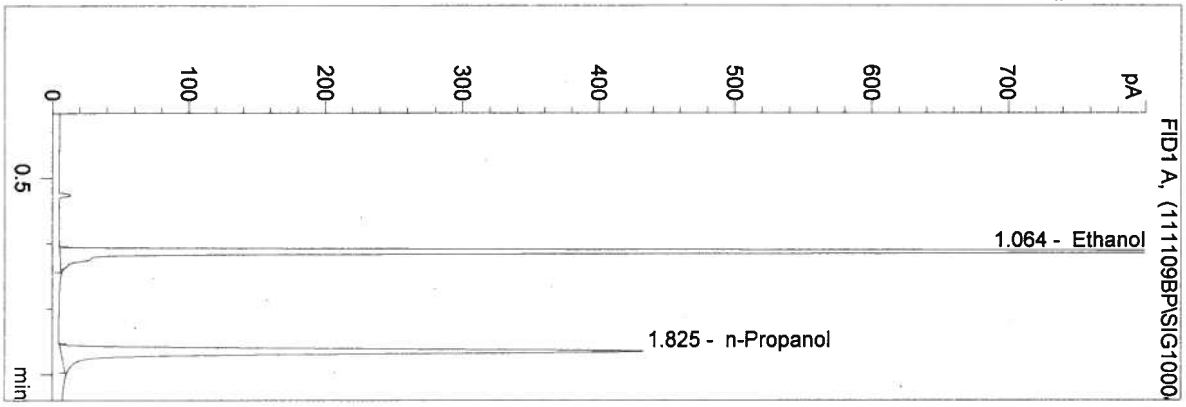
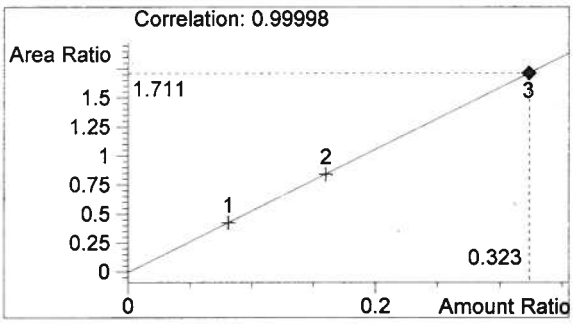
Instrument 3
DB-ALC2

0.316 CAL 3
Brianna Peterson

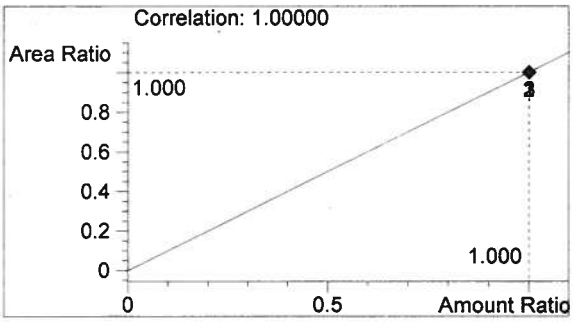
vial # 4



#	Compound	Area	RT
1	Ethanol	2033	1.064
2	n-Propanol	1188	1.825
Totals:			



Ethanol 0.323 g/100ml



n-Propanol 1.000 g/100ml

11050

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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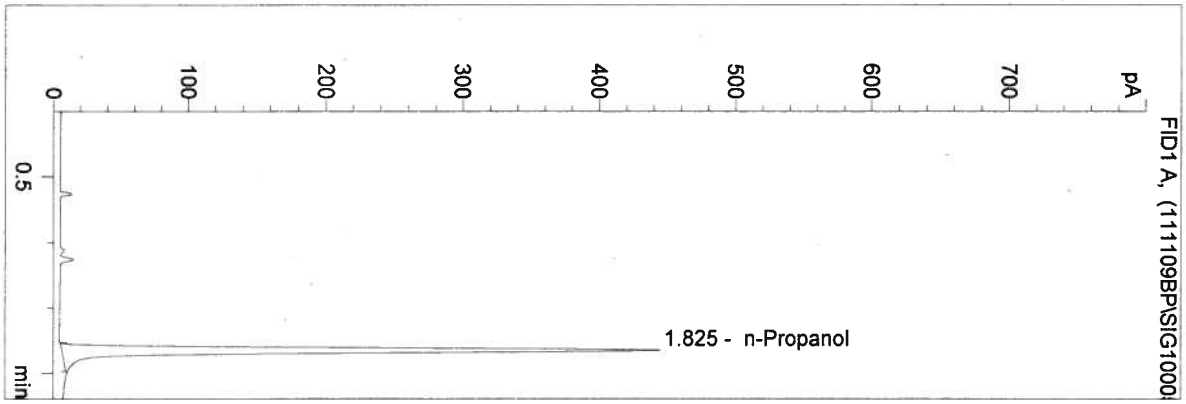
Instrument 3
DB-ALC2

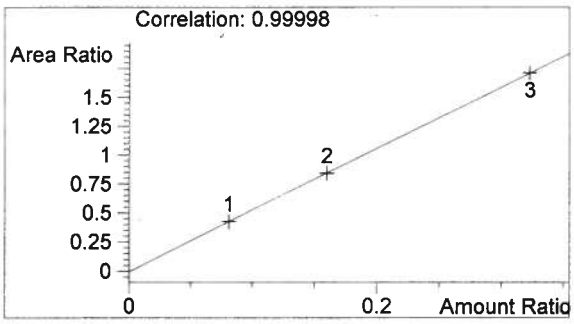
NEG CTRL - BP
Brianna Peterson

vial # 5

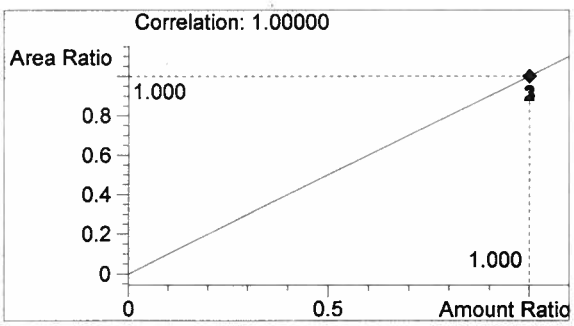


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1226	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BP

11050

WASHINGTON STATE TOXICOLOGY LABORATORY

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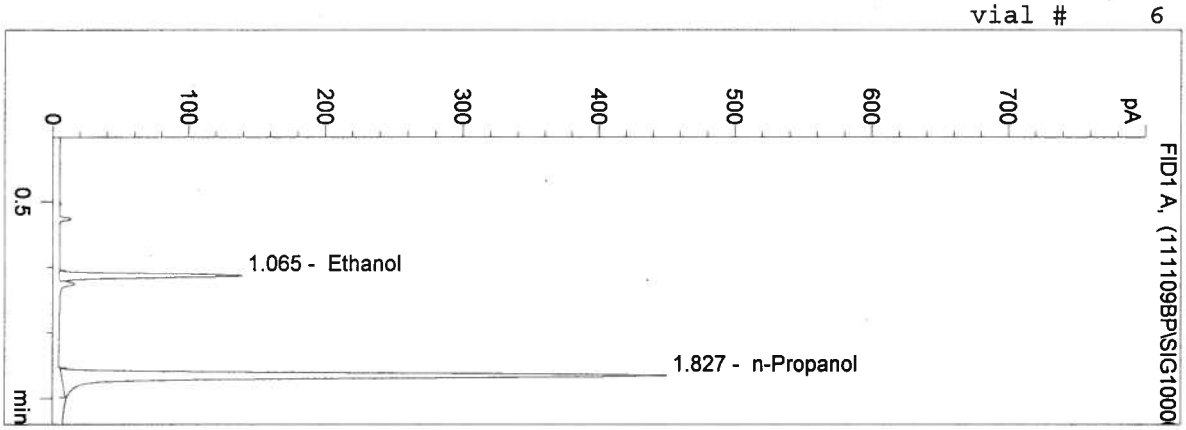
Instrument 3
DB-ALC2

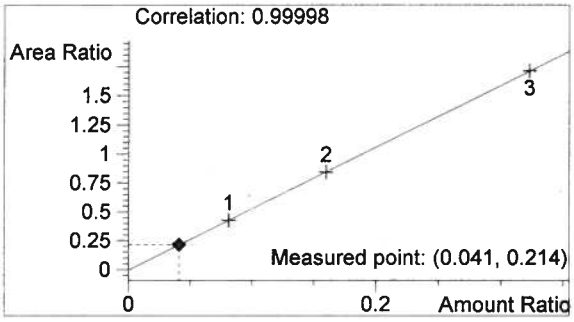
0.04 CTRL - BP
Brianna Peterson

vial # 6

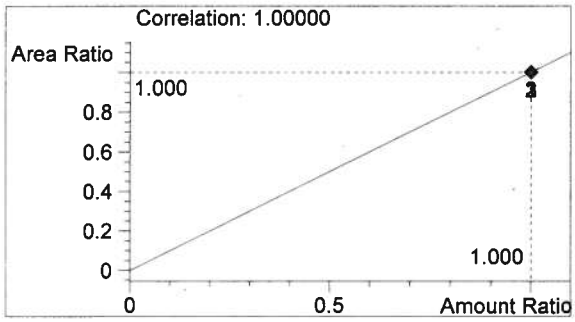


#	Compound	Area	RT
1	Ethanol	267	1.065
2	n-Propanol	1248	1.827

Totals:



Ethanol 0.041 g/100ml



n-Propanol 1.000 g/100ml

11050

WASHINGTON STATE TOXICOLOGY LABORATORY

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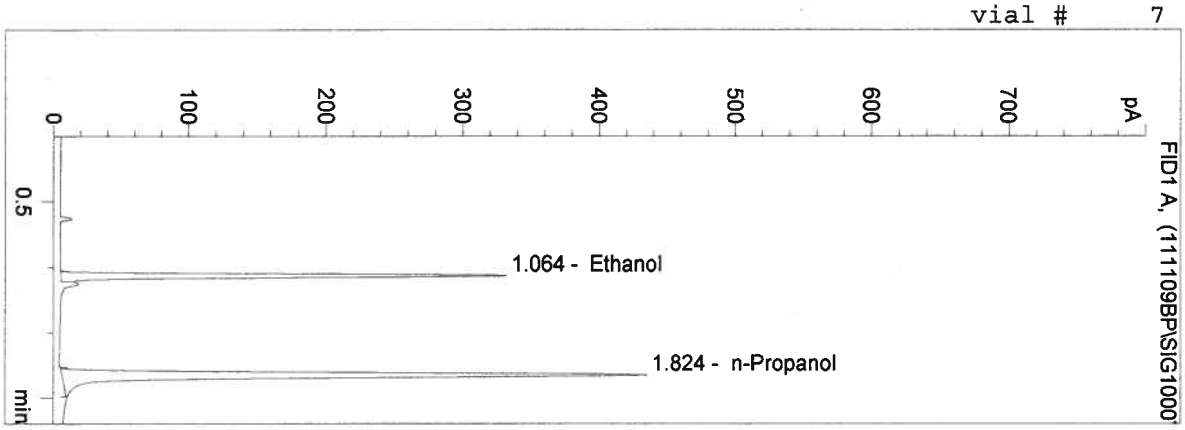
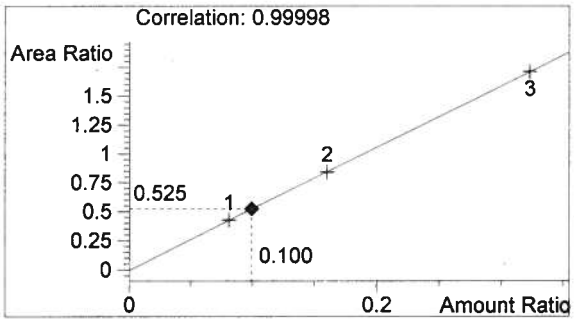
Instrument 3
DB-ALC2

0.10 CTRL - BP
Brianna Peterson

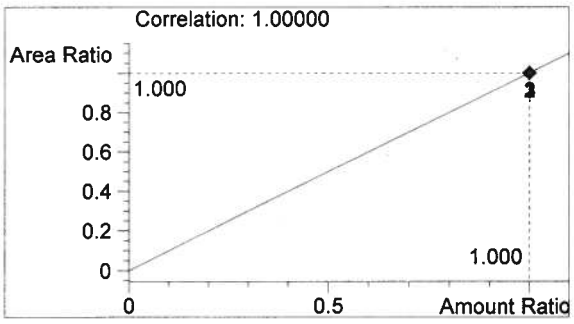
vial # 7



#	Compound	Area	RT
1	Ethanol	629	1.064
2	n-Propanol	1199	1.824
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

11050 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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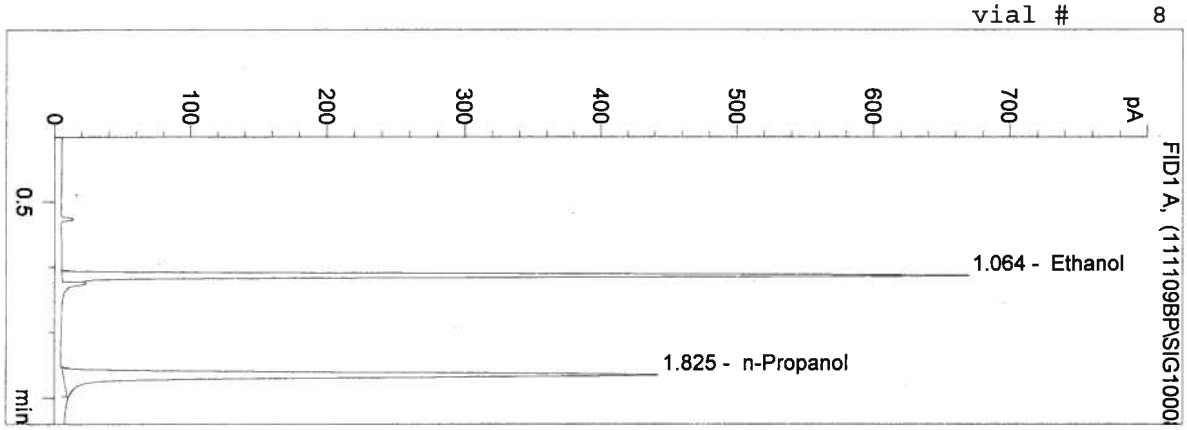
Instrument 3
DB-ALC2

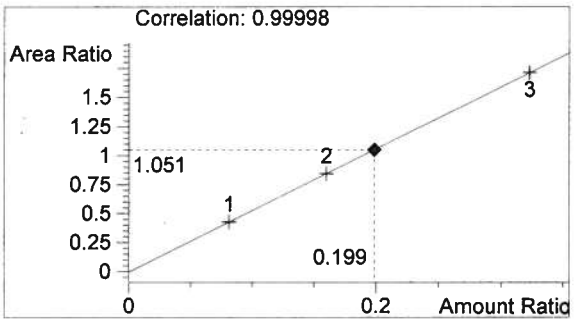
0.20 CTRL - BP
Brianna Peterson

vial # 8

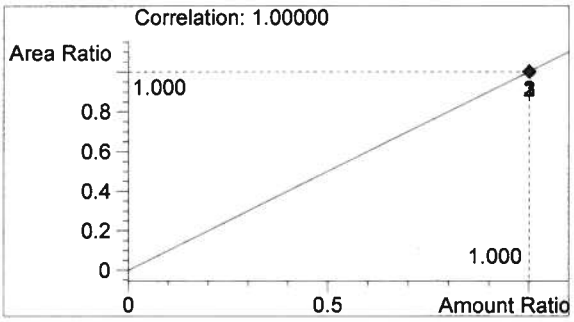


#	Compound	Area	RT
1	Ethanol	1281	1.064
2	n-Propanol	1219	1.825

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

11050 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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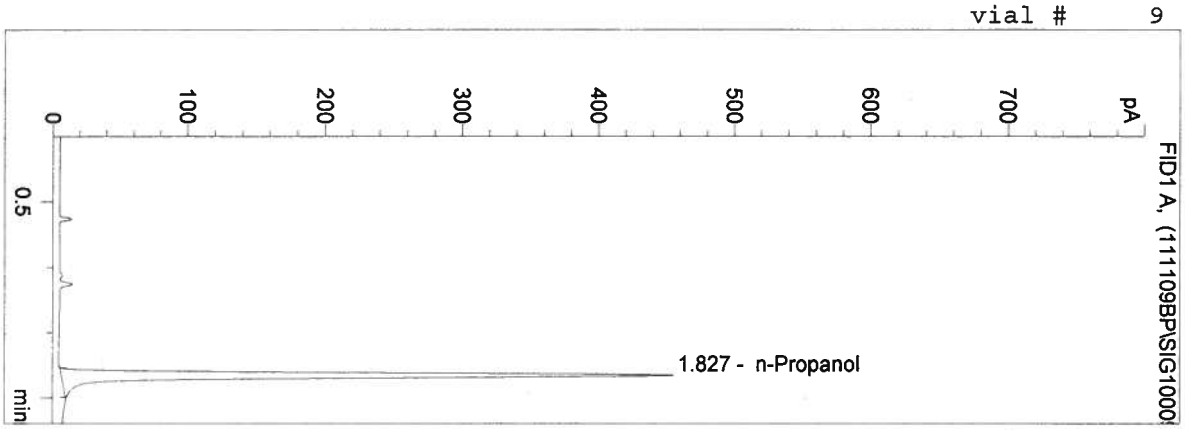
Instrument 3
DB-ALC2

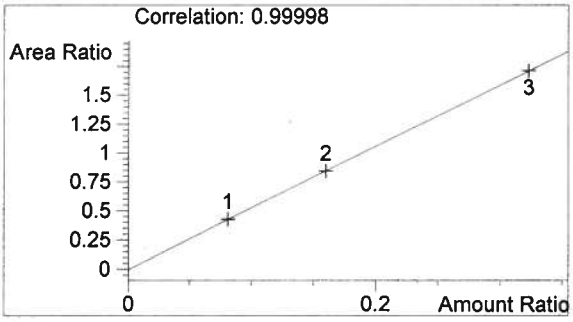
NEG CTRL - BP
Brianna Peterson

vial # 9

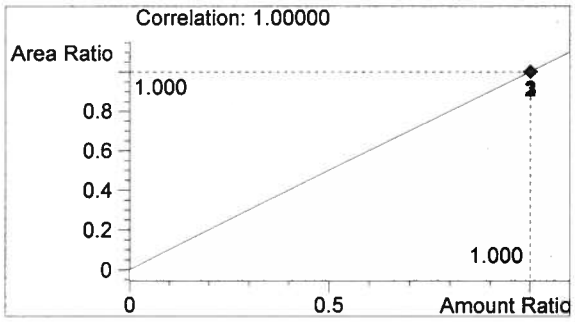


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1261	1.827

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

WASHINGTON STATE TOXICOLOGY LABORATORY

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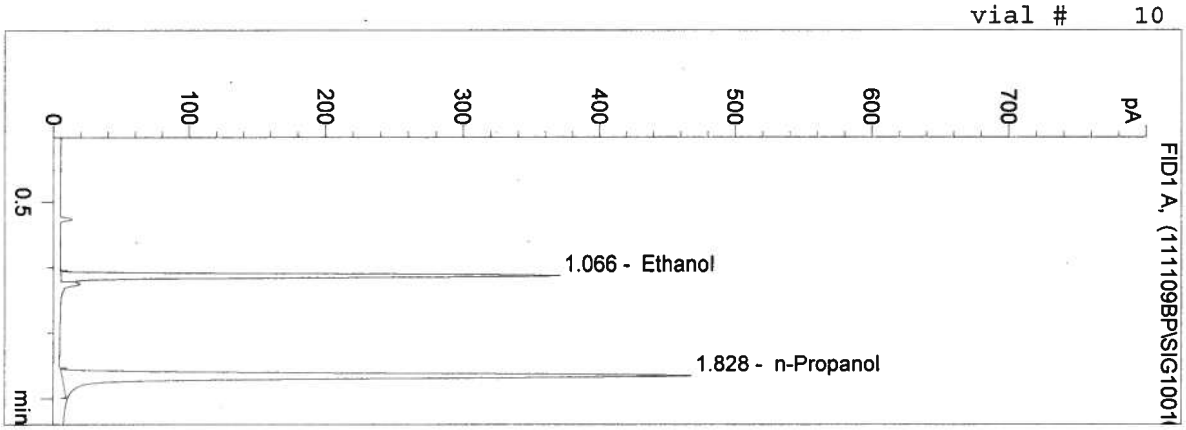
Instrument 3
DB-ALC2

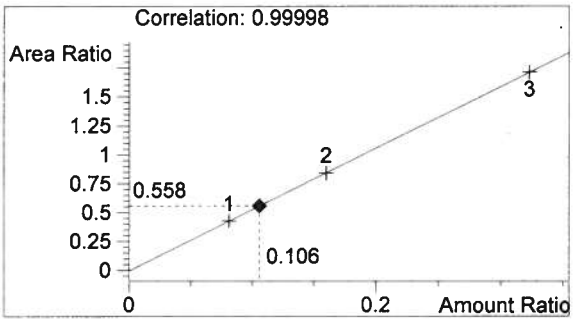
11050 #1
Brianna Peterson

vial # 10

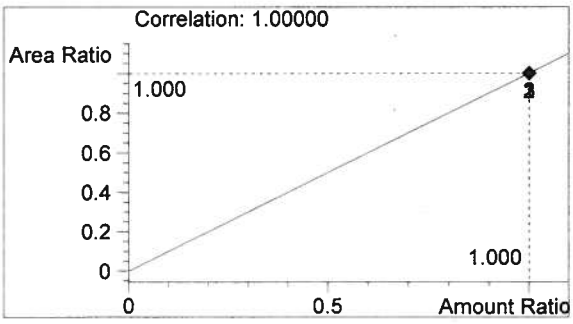


#	Compound	Area	RT
1	Ethanol	725	1.066
2	n-Propanol	1298	1.828

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

BG

WASHINGTON STATE TOXICOLOGY LABORATORY

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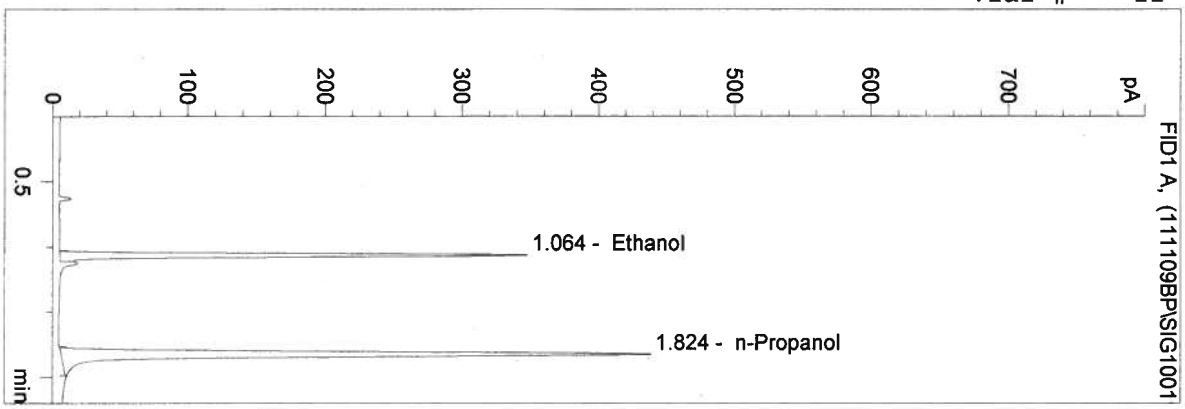
Instrument 3
DB-ALC2

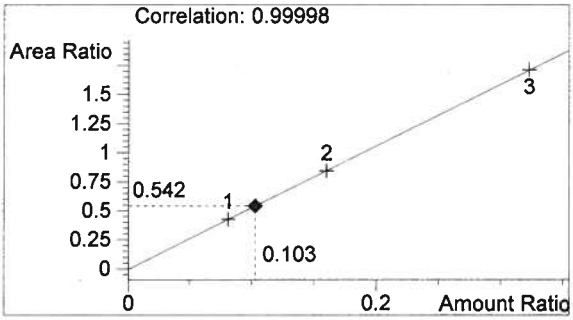
11050 #2
Brianna Peterson

vial # 11

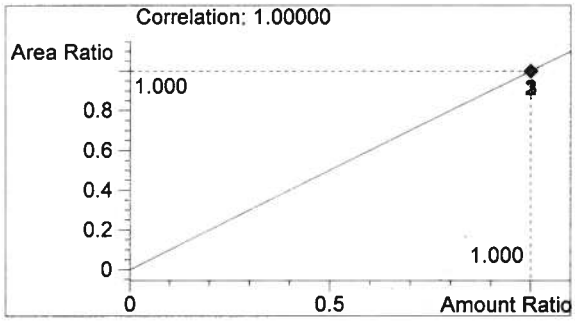


#	Compound	Area	RT
1	Ethanol	653	1.064
2	n-Propanol	1203	1.824

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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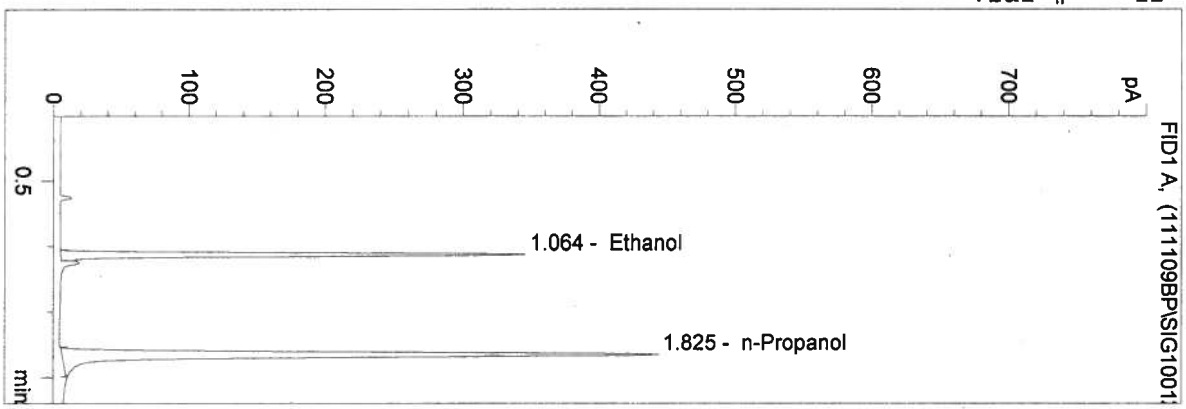
11/9/2011 1:33:33 PM
Instrument 3
DB-ALC2

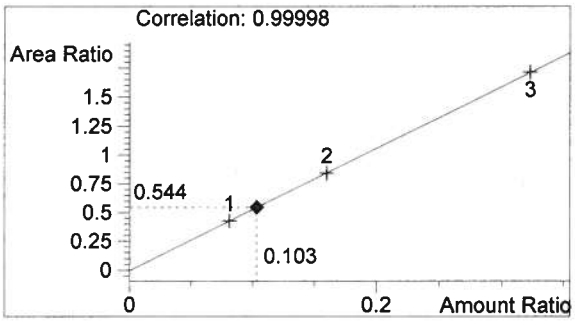
11050 #3
Brianna Peterson

vial # 12

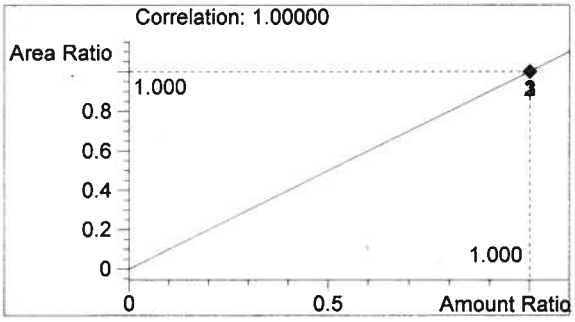


#	Compound	Area	RT
1	Ethanol	668	1.064
2	n-Propanol	1228	1.825

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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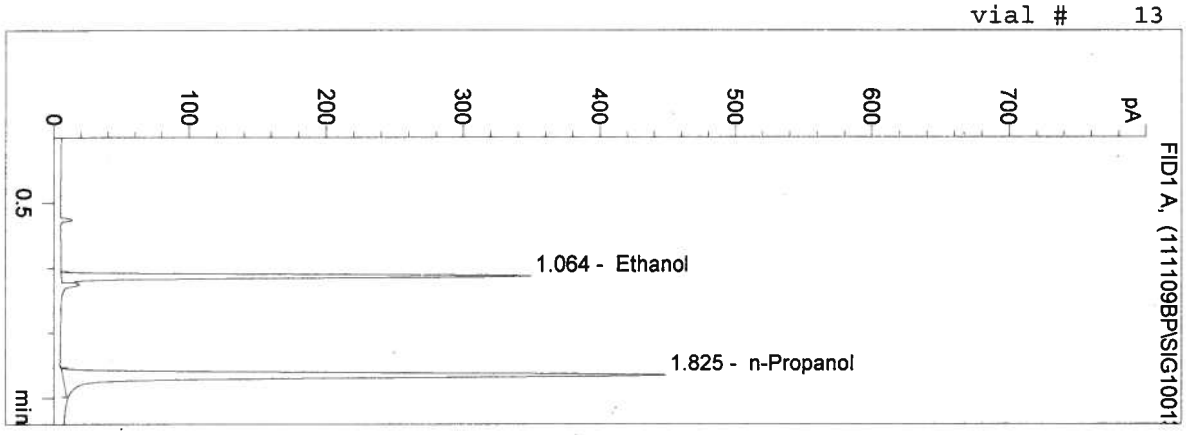
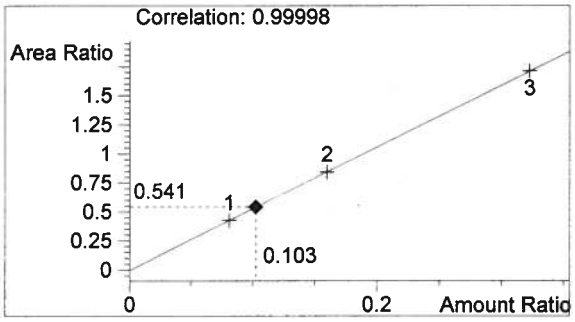
Instrument 3
DB-ALC2

11050 #4
Brianna Peterson

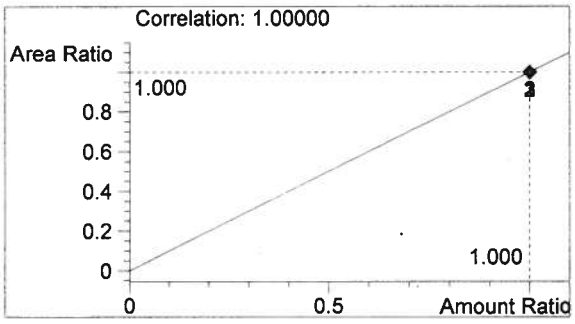
vial # 13



#	Compound	Area	RT
1	Ethanol	669	1.064
2	n-Propanol	1235	1.825
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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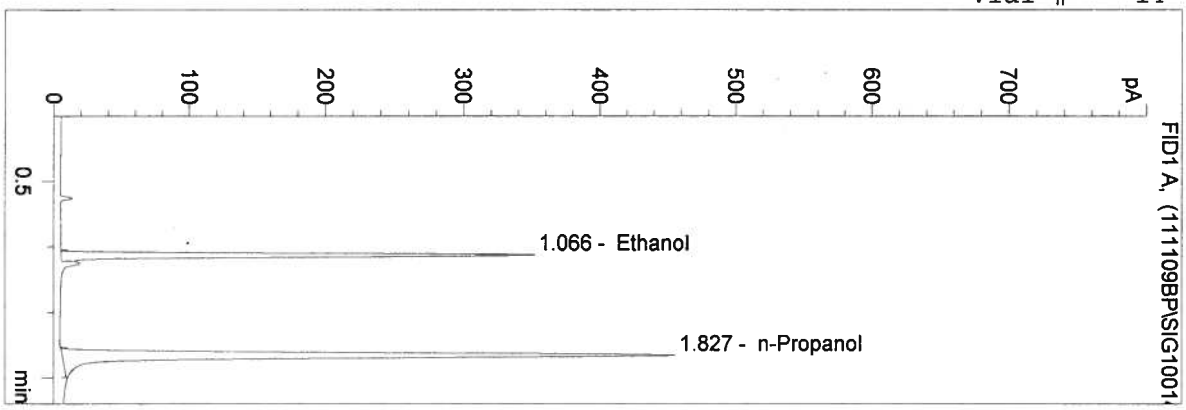
Instrument 3
DB-ALC2

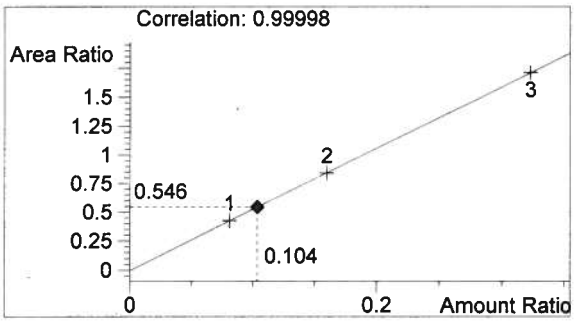
11050 #5
Brianna Peterson

vial # 14

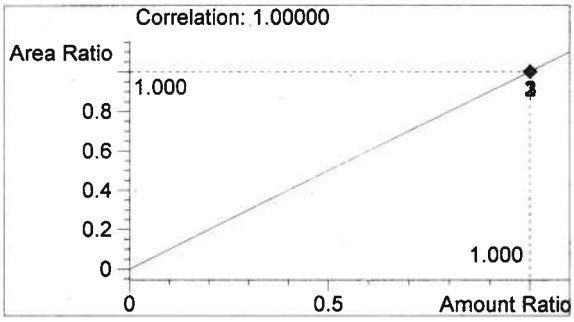


#	Compound	Area	RT
1	Ethanol	687	1.066
2	n-Propanol	1259	1.827

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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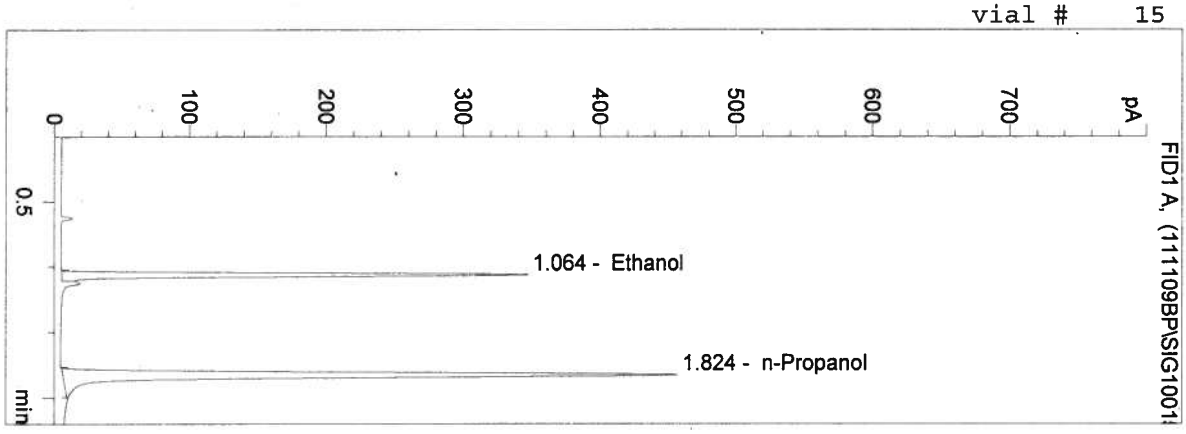
Instrument 3
DB-ALC2

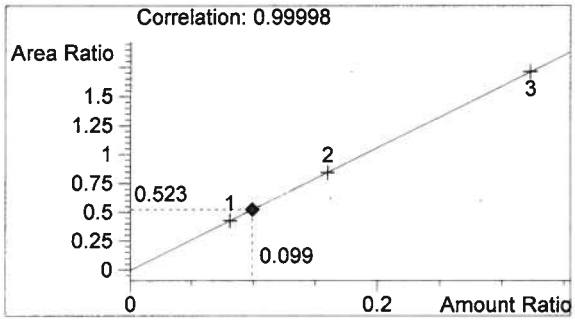
0.10 CTRL - BP
Brianna Peterson

vial # 15

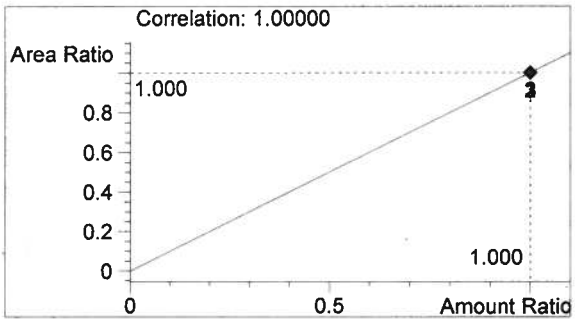


#	Compound	Area	RT
1	Ethanol	659	1.064
2	n-Propanol	1261	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

11050 BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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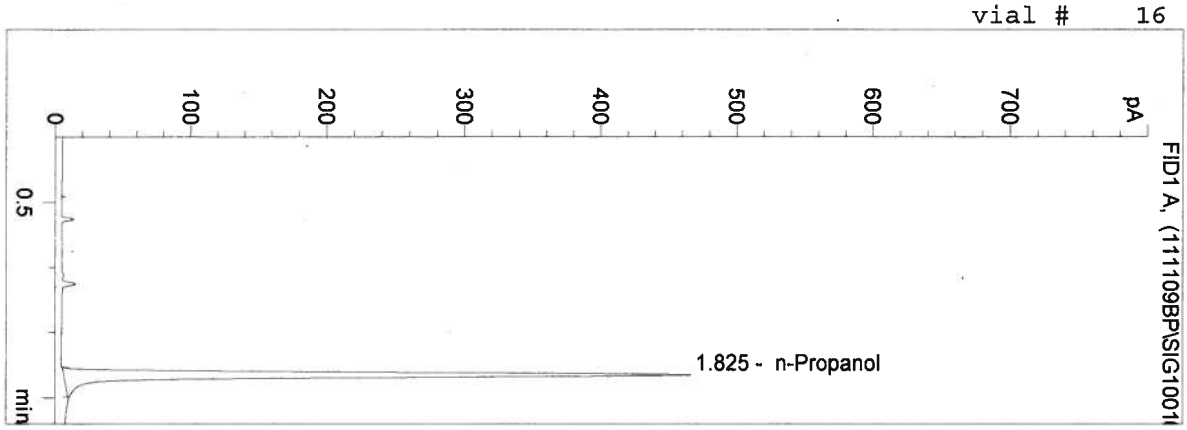
Instrument 3
DB-ALC2

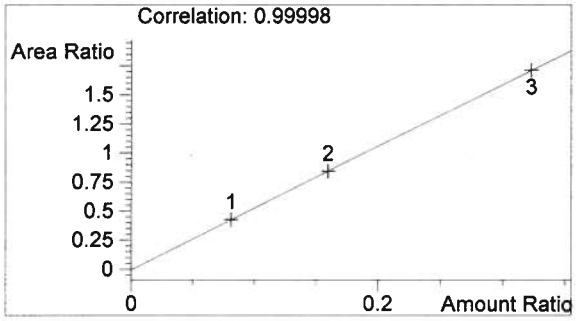
NEG CTRL - BP
Brianna Peterson

vial # 16

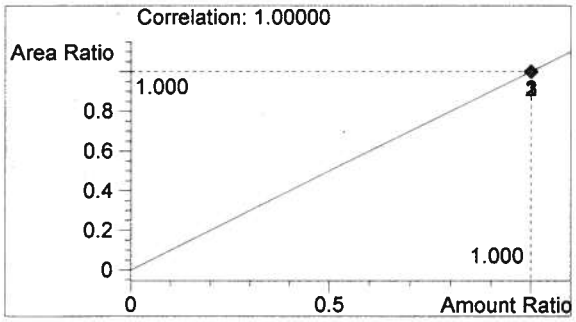


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1286	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

11050

BP

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

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

Preparation Date: 11/3/2011 Initials of Preparer: BEO

Expiration Date: 11/3/2012

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

Date the 200-proof Ethanol bottle was opened: 6/30/2011

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	☑	11050

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 11/3/11 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:

Analyst Signature 11·3·11 Date