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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 12015

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: 0.04 g/210L
DATE PREPARED: 03/21/2012
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lisa Noble

	LN	CM	BP
1	0.050	0.049	0.048
2	0.050	0.049	0.047
3	0.050	0.049	0.047
4	0.050	0.049	0.047
5	0.051	0.049	0.049
C	0.099	0.102	0.097

ETHANOL CONTROL INFORMATION
LOT NUMBER: A083355 EXPIRATION: 12/2015 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0489 g/100mL
STANDARD DEVIATION: 0.00122
PRECISION CV (%): 2.50
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0398 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0008 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

5-18-2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
LN	Lisa Noble	Lisa Noble	03/21/2012
CM	Christie Mitchell-Mata	Christie Mitchell-Mata	03/28/2012
BP	Brianna Peterson	Brianna Peterson	03/29/2012

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

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

QAP Solution Batch #: 12015 **Date Prepared:** 3/21/2012

Analyst:	LN	CM	BP
Date Tested:	3/21/2012	3/28/2012	3/29/2012
Instrument:	HS#3	HS#3	HS#3
1	0.050	0.049	0.048
2	0.050	0.049	0.047
3	0.050	0.049	0.047
4	0.050	0.049	0.047
5	0.051	0.049	0.049
C	0.099	0.102	0.097

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000416303	0.0002139543	0.0001016326

Ethanol Control Lot #: A083355
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0489 g/100mL
Standard Deviation: 0.00122 g/100mL
Precision CV (%): 2.50
Equivalent Vapor Concentration: 0.0398 g/210L
Combined Standard Uncertainty (±): 0.0008 g/210L

Calculations performed by: Melissa R. Pemberton [signature] 4-13-12
Name Signature Date

Calculations verified by: Jason Skleferow [signature] 5-16-12
Name Signature Date

Method: HAND CALCULATOR

Tech. review performed by: Melissa R. Pemberton [signature] 5-7-12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** 5-16-12

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 12015

	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:** 5-16-12

Reviewer Signature: N/A. 5/16/12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	4/23/12
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell-Mata	CM	4/23/2012
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble	LN	4/23/12
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 12015

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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12015

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 six years laboratory experience in forensic toxicology.

The qap solution, Lot Number 12015, was prepared in the Washington State Toxicology Laboratory on 3/21/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 3/21/2013.

Seattle, WA

Lisa Noble 4/23/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12015

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

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

I possess the following qualifications: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The qap solution, Lot Number 12015, was prepared in the Washington State Toxicology Laboratory on 3/21/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 3/21/2013.

Seattle, WA

Christie Mitchell-Mata 4/23/12

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12015

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

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

I possess the following qualifications: BS degree in Chemistry, MS degree in Forensic Science, and Ph.D. degree in Toxicology.

The qap solution, Lot Number 12015, was prepared in the Washington State Toxicology Laboratory on 3/21/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 3/21/2013.

Seattle, WA

Brianna Peterson 4/23/12

Brianna Peterson Date

Forensic Toxicologist

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 3/21/12 Initials of Preparer: [illegible]

Expiration Date: 3/21/13

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

Date the 200-proof Ethanol bottle was opened: 3/20/12

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	12015
QAP 0.08	22.4	18	☑	12016
QAP 0.10	28.1	18	☑	12017
QAP 0.15	42.0	18	☑	12018
ESS	66.5	52	☐	

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 3/21/12 Date

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

Comments:

[illegible] Analyst Signature

3/21/12 Date

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

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:	120321LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

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	12014 #1	SIMALC3	1	Sample		
11	Vial 11	12014 #2	SIMALC3	1	Sample		
12	Vial 12	12014 #3	SIMALC3	1	Sample		
13	Vial 13	12014 #4	SIMALC3	1	Sample		
14	Vial 14	12014 #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		
17	Vial 17	12015 #1	SIMALC3	1	Sample		
18	Vial 18	12015 #2	SIMALC3	1	Sample		
19	Vial 19	12015 #3	SIMALC3	1	Sample		
20	Vial 20	12015 #4	SIMALC3	1	Sample		
21	Vial 21	12015 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
24	Vial 24	12016 #1	SIMALC3	1	Sample		
25	Vial 25	12016 #2	SIMALC3	1	Sample		
26	Vial 26	12016 #3	SIMALC3	1	Sample		
27	Vial 27	12016 #4	SIMALC3	1	Sample		
28	Vial 28	12016 #5	SIMALC3	1	Sample		

Calibration filed with QAP 12015. LN 3/21/12

12015 12016

12017 12018

LN 3/21/12

"Tray locked" error @ vial 27 Restarted where left off @ vial 28.

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
31	Vial 31	12017 #1	SIMALC3	1	Sample		
32	Vial 32	12017 #2	SIMALC3	1	Sample		
33	Vial 33	12017 #3	SIMALC3	1	Sample		
34	Vial 34	12017 #4	SIMALC3	1	Sample		
35	Vial 35	12017 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
38	Vial 38	12018 #1	SIMALC3	1	Sample		
39	Vial 39	12018 #2	SIMALC3	1	Sample		
40	Vial 40	12018 #3	SIMALC3	1	Sample		
41	Vial 41	12018 #4	SIMALC3	1	Sample		
42	Vial 42	12018 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

"Tray locked" error again @ vial 40. Restarted sequence at vial 41. See datapath 120321L3. LN 3/21/12

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!

12015

12016

12017

12018

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

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:	120321L2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 28	12016 #5	SIMALC3	1	Sample		
2	Vial 29	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
3	Vial 30	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
4	Vial 31	12017 #1	SIMALC3	1	Sample		
5	Vial 32	12017 #2	SIMALC3	1	Sample		
6	Vial 33	12017 #3	SIMALC3	1	Sample		
7	Vial 34	12017 #4	SIMALC3	1	Sample		
8	Vial 35	12017 #5	SIMALC3	1	Sample		
9	Vial 36	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
10	Vial 37	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
11	Vial 38	12018 #1	SIMALC3	1	Sample		
12	Vial 39	12018 #2	SIMALC3	1	Sample		
13	Vial 40	12018 #3	SIMALC3	1	Sample		
14	Vial 41	12018 #4	SIMALC3	1	Sample		
15	Vial 42	12018 #5	SIMALC3	1	Sample		
16	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
17	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

Continuation of sequence after "tray locked" error.
Jn 3/21/12

Tray locked error again @ vial 40 - restarted @ vial 41. See datapath 120321L3.
Jn 3/21/12

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Sequence Table (Back Injector):

12015 12016

12017 12018

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

No entries - empty table!

12015 12016

12017 12018

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:	120321L3
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

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

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 41	12018 #4	SIMALC3	1	Sample		
2	Vial 42	12018 #5	SIMALC3	1	Sample		
3	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
4	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

Continuation of sequence after "tray locked" error.
LN 3/21/12

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Sequence Table (Back Injector):

No entries - empty table!

12015 12016

12017 12018

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

Calibration Table

Calib. Data Modified : Wednesday, March 21, 2012 11:20:38 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
1.028	1	1	7.90200e-2	571.74225	1.38209e-4	1		Ethanol
		2	1.58720e-1	1218.87366	1.30219e-4			
		3	3.17800e-1	2360.27856	1.34645e-4			
1.761	1	1	1.00000	1438.30054	6.95265e-4	I1		n-Propanol
		2	1.00000	1521.13452	6.57404e-4			
		3	1.00000	1480.75476	6.75331e-4			

Peak Sum Table

No Entries in table

12015 12016

12017 12018

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Calibration Curves

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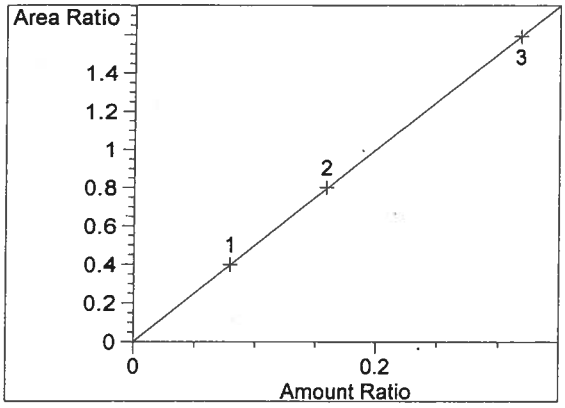
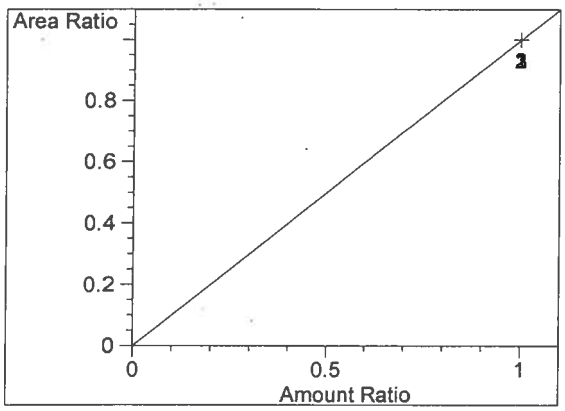


Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00303
Formula: y = mx + b
m: 5.01623
b: 1.51405e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.761
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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fn

12015 12016

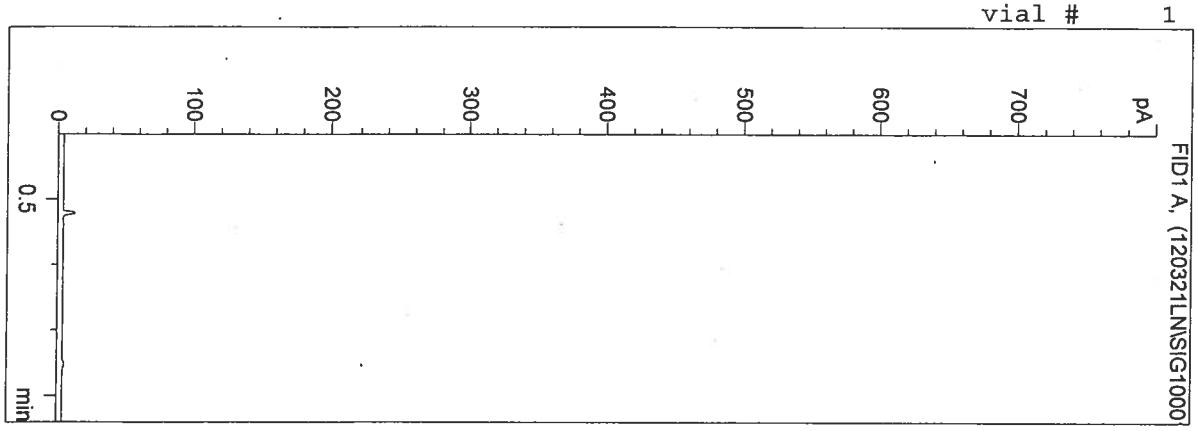
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:09:02 AM
Instrument 3
DB-ALC2

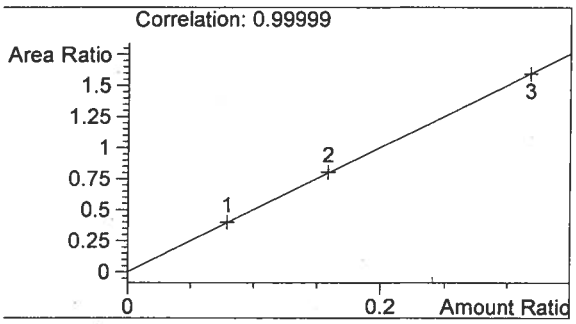
BLANK
Lisa Noble

vial # 1

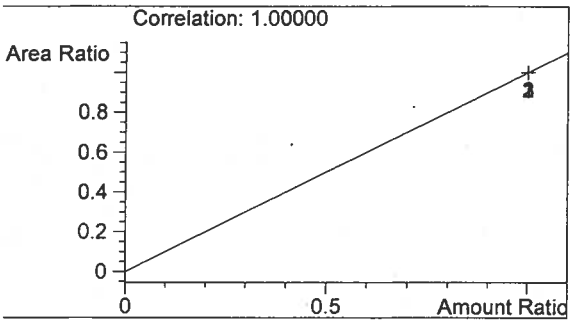


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12015 12016

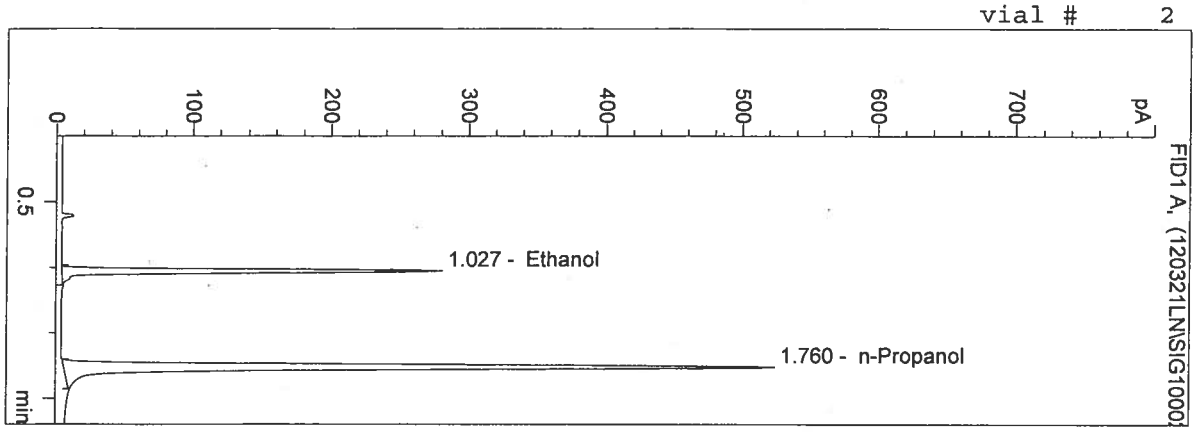
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:12:10 AM
Instrument 3
DB-ALC2

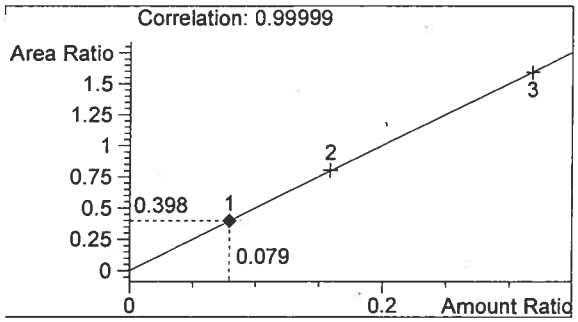
0.079 CAL
Lisa Noble

vial # 2

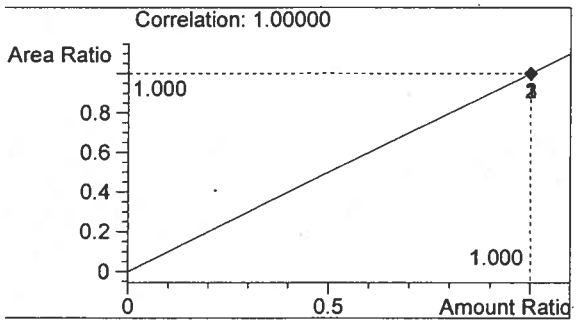


#	Compound	Area	RT
1	Ethanol	572	1.027
2	n-Propanol	1438	1.760

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

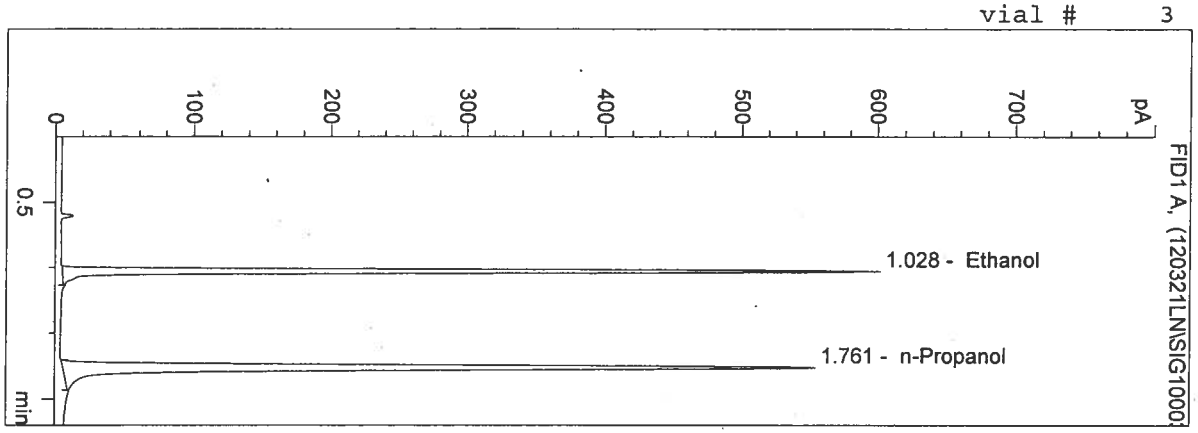
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:15:18 AM
Instrument 3
DB-ALC2

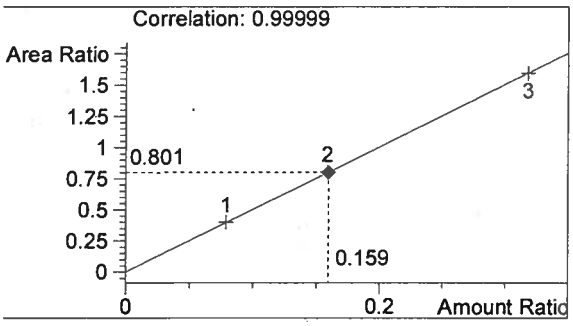
0.158 CAL
Lisa Noble

vial # 3

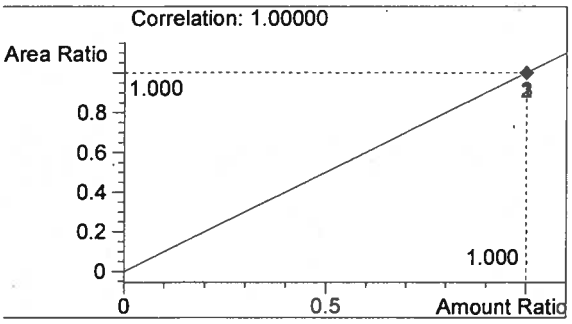


#	Compound	Area	RT
1	Ethanol	1219	1.028
2	n-Propanol	1521	1.761

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

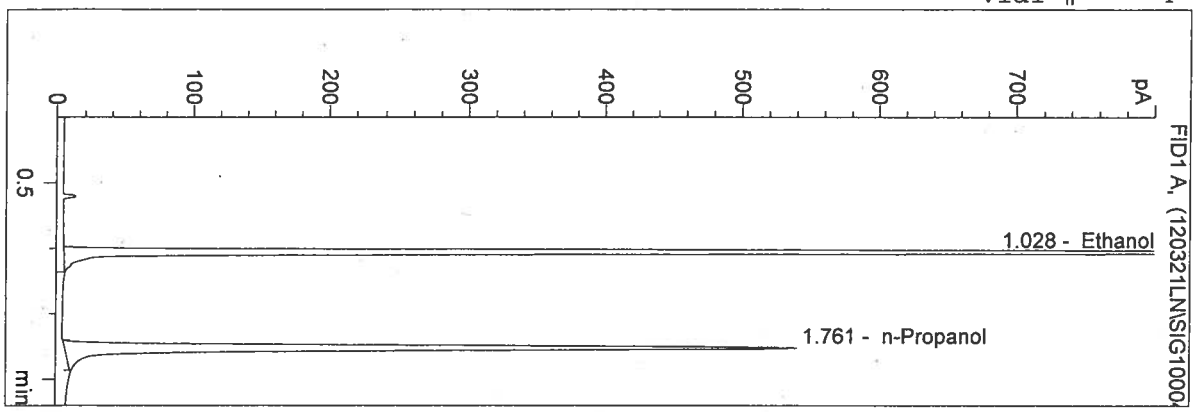
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:18:25 AM
Instrument 3
DB-ALC2

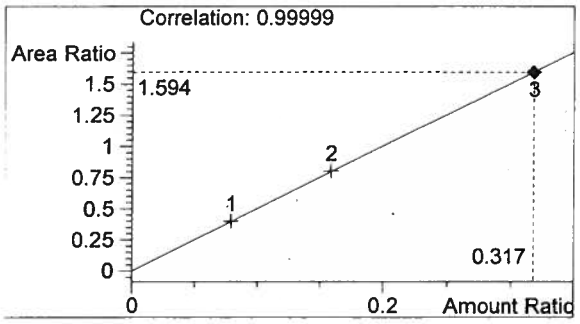
0.316 CAL
Lisa Noble

vial # 4

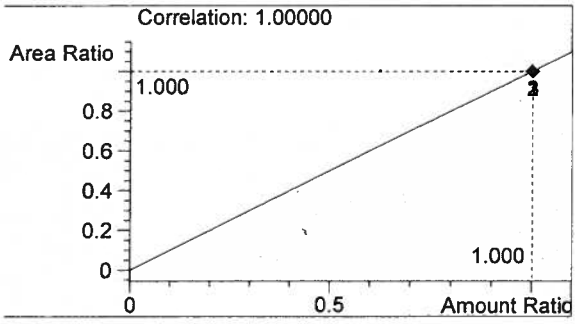


#	Compound	Area	RT
1	Ethanol	2360	1.028
2	n-Propanol	1481	1.761

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

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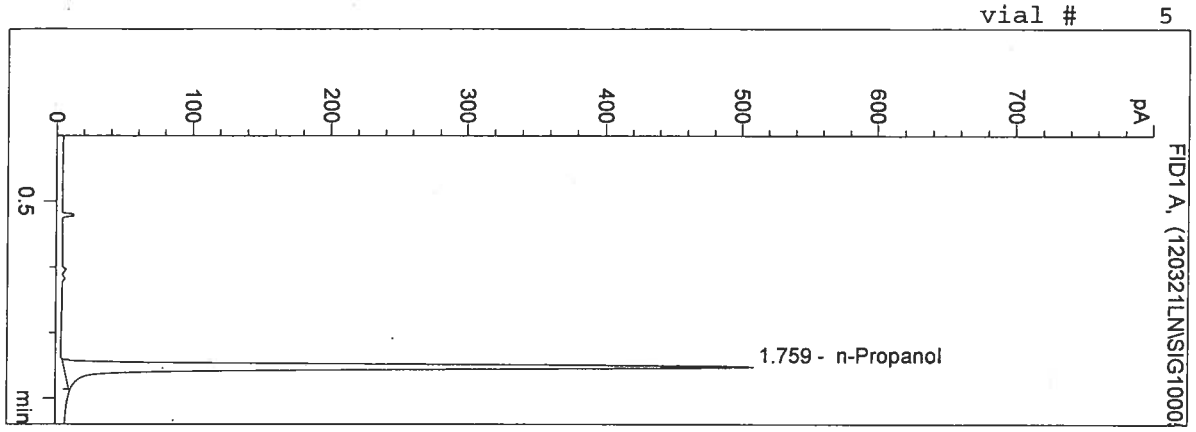
3/21/2012 11:21:33 AM
Instrument 3
DB-ALC2

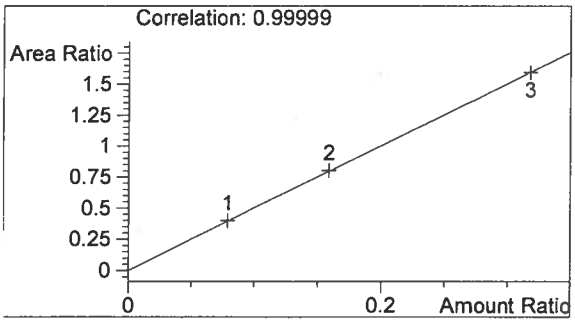
NEG CTRL - LN
Lisa Noble

vial # 5

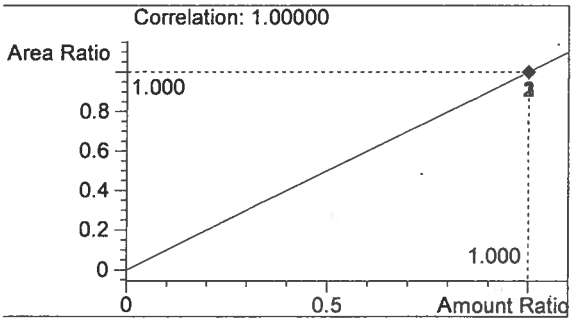


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1404	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

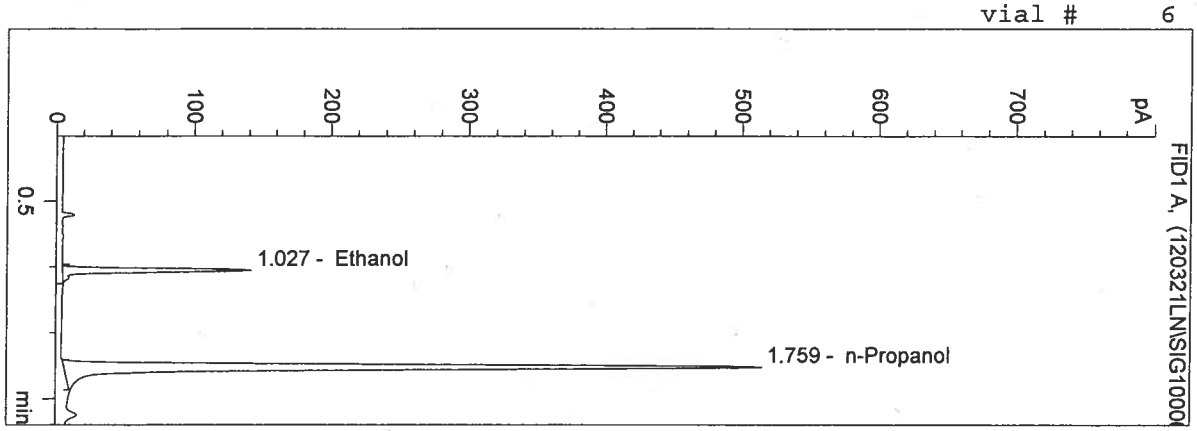
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:24:40 AM
Instrument 3
DB-ALC2

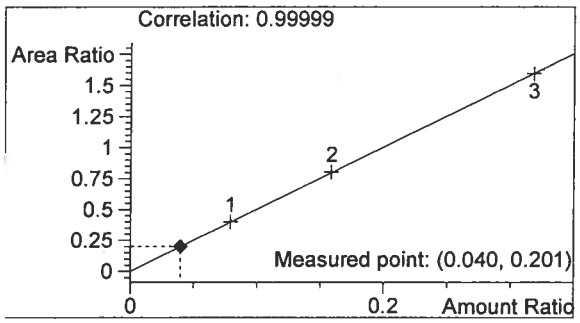
0.04 CTRL - LN
Lisa Noble

vial # 6

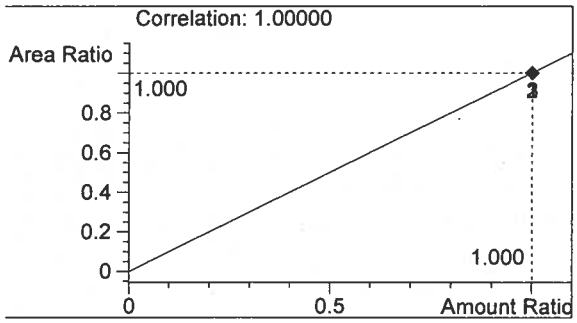


#	Compound	Area	RT
1	Ethanol	286	1.027
2	n-Propanol	1420	1.759

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

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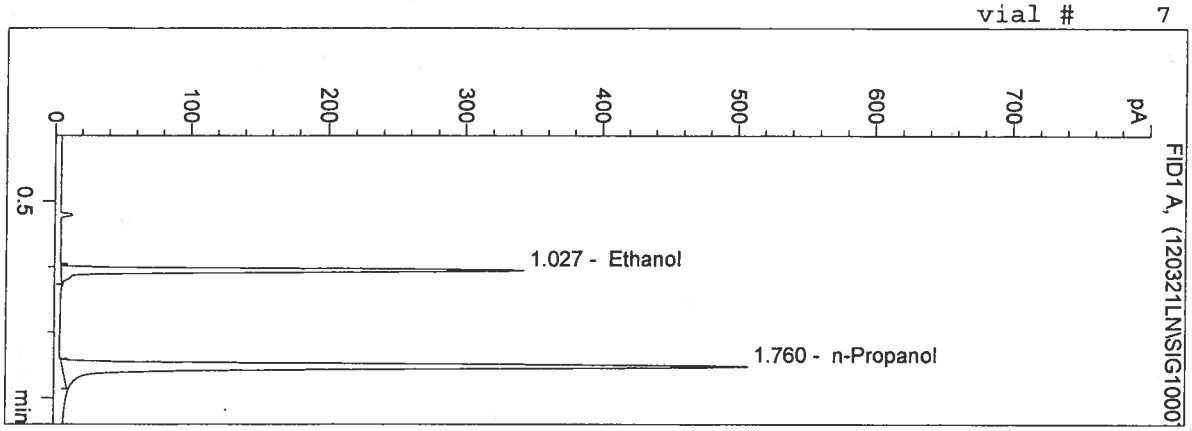
3/21/2012 11:27:48 AM
Instrument 3
DB-ALC2

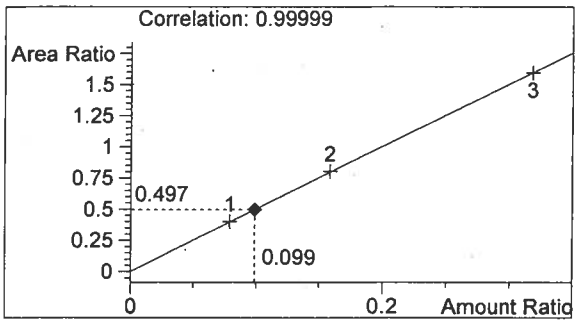
0.10 CTRL - LN
Lisa Noble

vial # 7

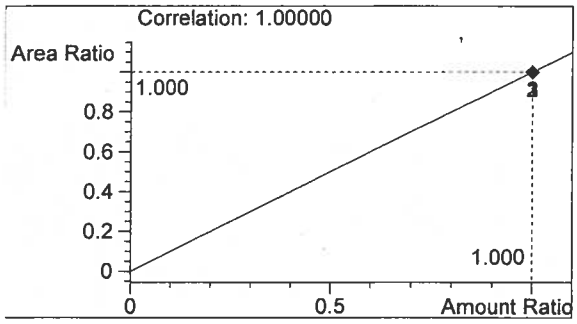


#	Compound	Area	RT
1	Ethanol	695	1.027
2	n-Propanol	1398	1.760

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

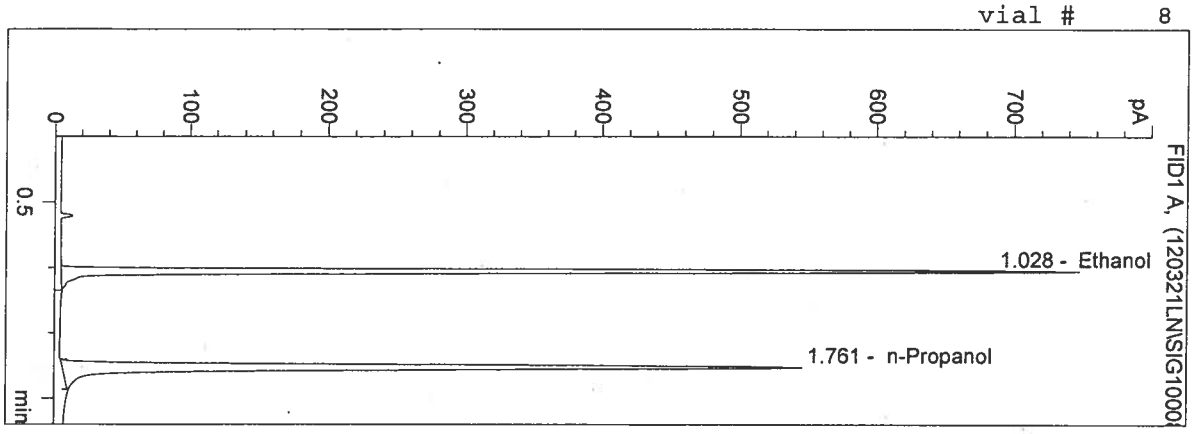
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:30:55 AM
Instrument 3
DB-ALC2

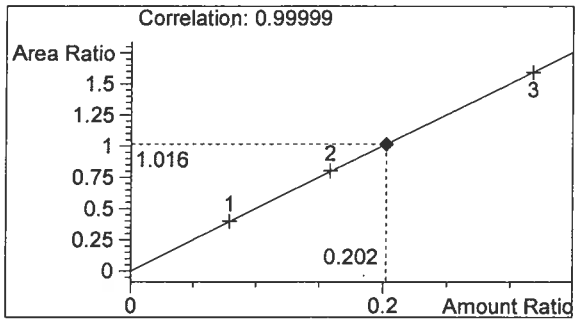
0.20 CTRL - LN
Lisa Noble

vial # 8

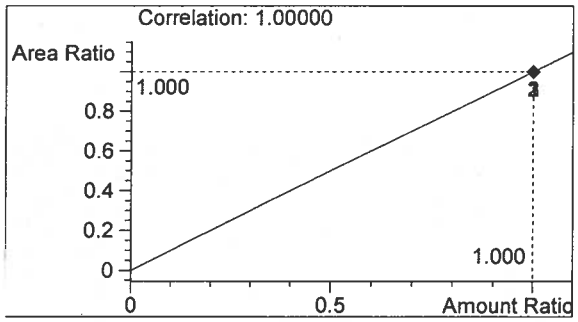


#	Compound	Area	RT
1	Ethanol	1522	1.028
2	n-Propanol	1497	1.761

Totals:



Ethanol 0.202 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

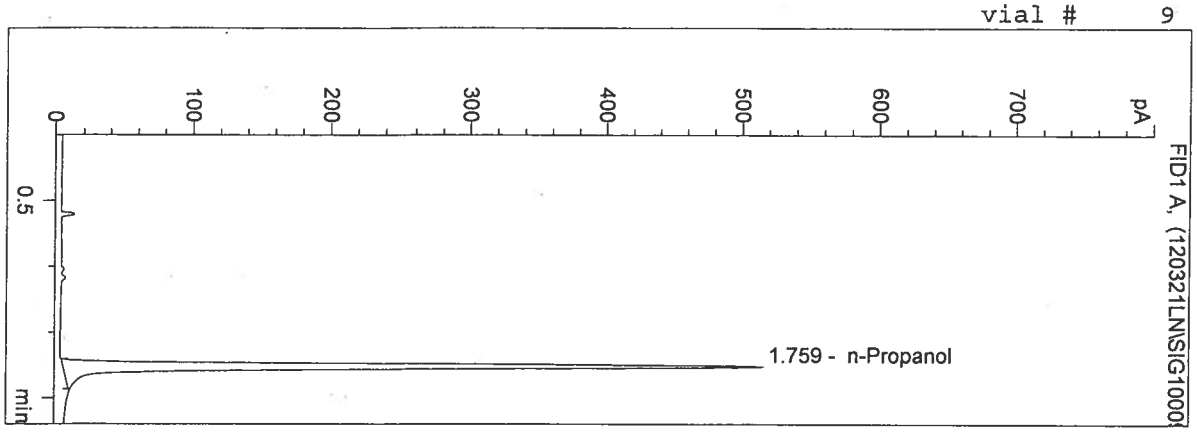
12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:34:03 AM
Instrument 3
DB-ALC2

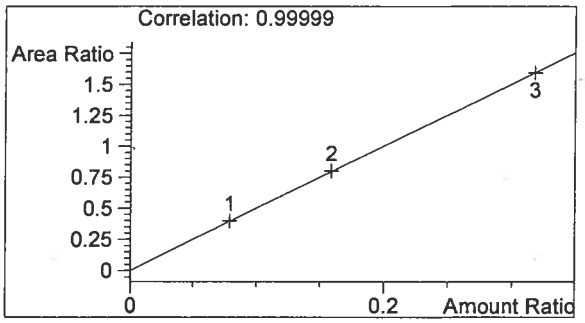
NEG CTRL - LN
Lisa Noble

vial # 9

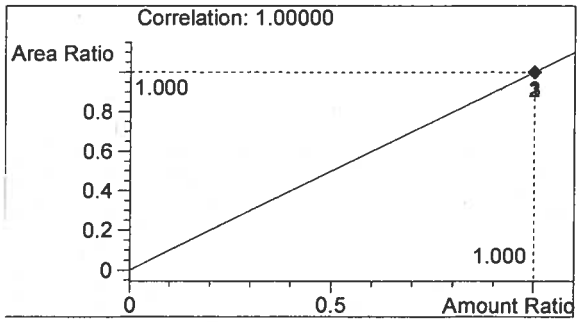


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1427	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

12017 12018

WASHINGTON STATE TOXICOLOGY LABORATORY

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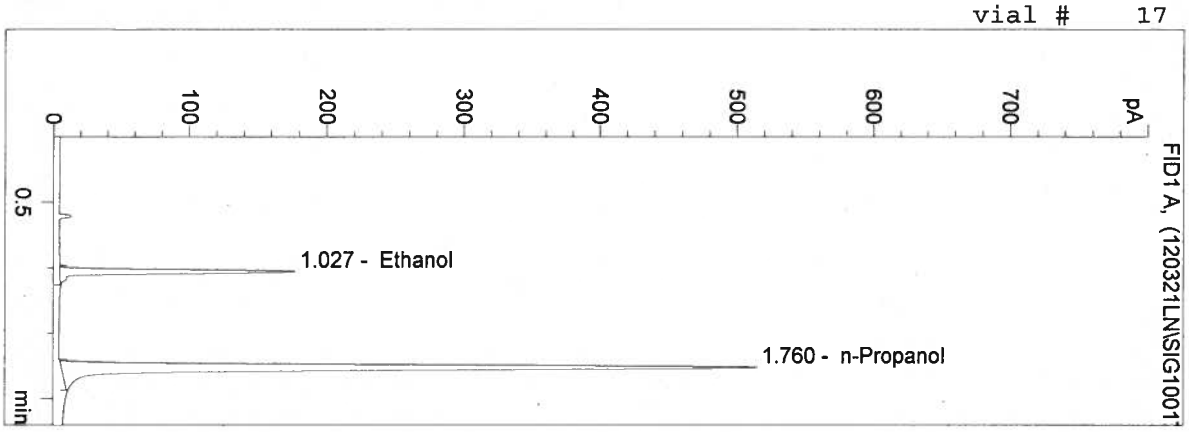
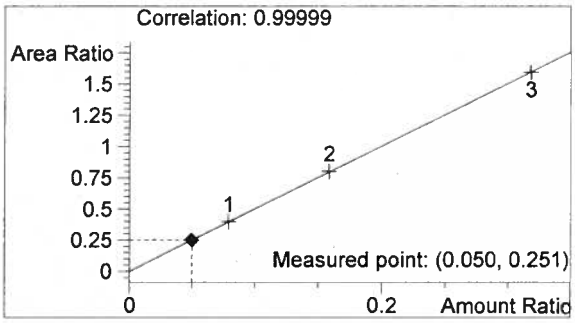
3/21/2012 11:59:03 AM
Instrument 3
DB-ALC2

12015 #1
Lisa Noble

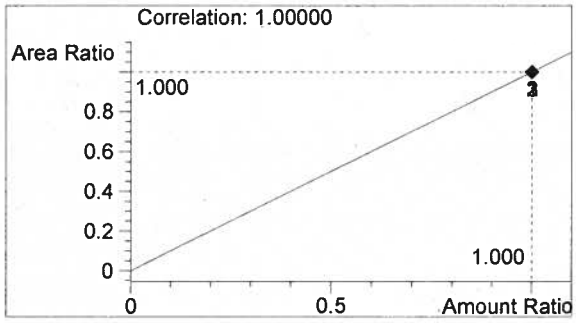
vial # 17



#	Compound	Area	RT
1	Ethanol	356	1.027
2	n-Propanol	1417	1.760
Totals:			



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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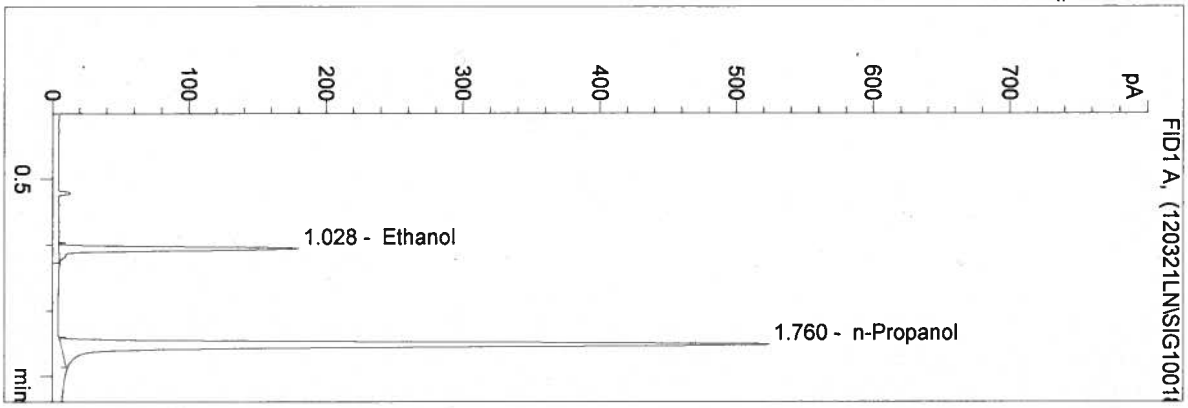
3/21/2012 12:02:11 PM
Instrument 3
DB-ALC2

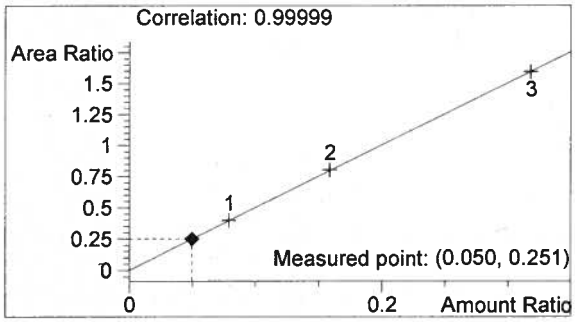
12015 #2
Lisa Noble

vial # 18

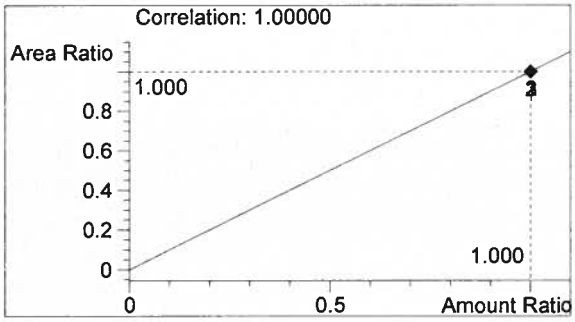


#	Compound	Area	RT
1	Ethanol	363	1.028
2	n-Propanol	1443	1.760

Totals:



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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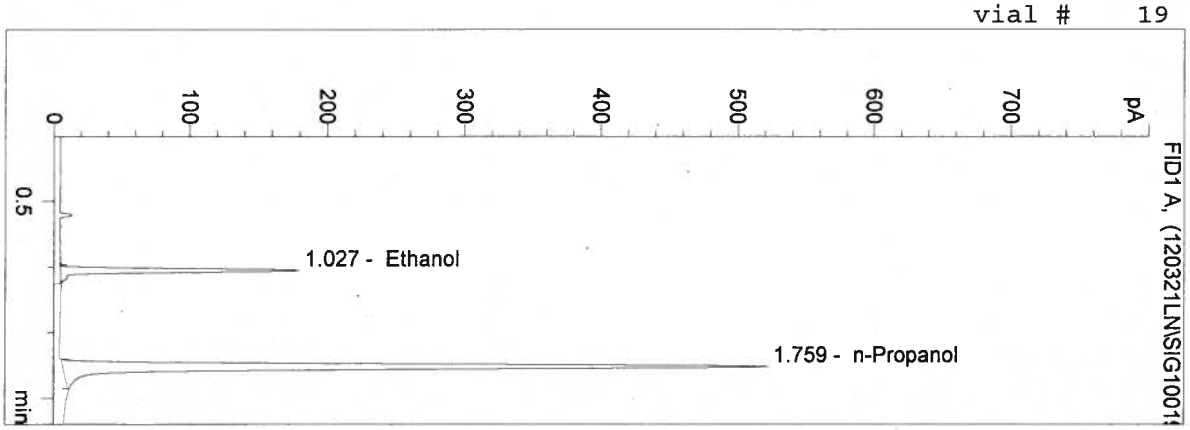
3/21/2012 12:05:18 PM
Instrument 3
DB-ALC2

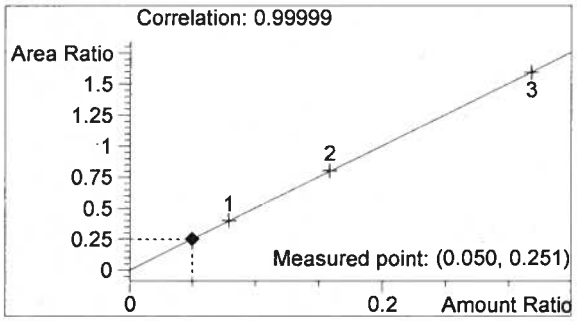
12015 #3
Lisa Noble

vial # 19

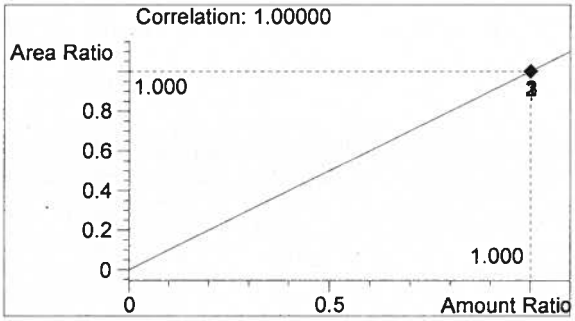


#	Compound	Area	RT
1	Ethanol	360	1.027
2	n-Propanol	1434	1.759

Totals:



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

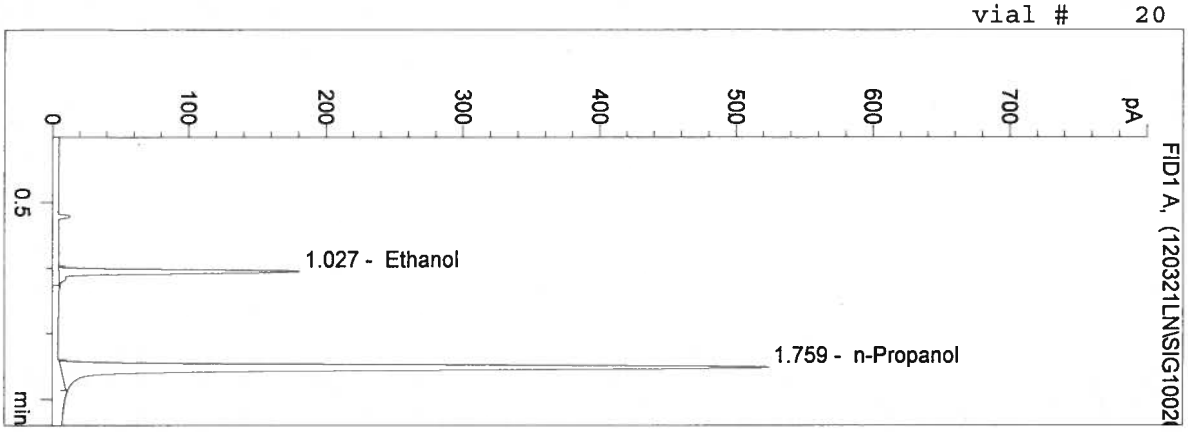
12015

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 12:08:26 PM
Instrument 3
DB-ALC2

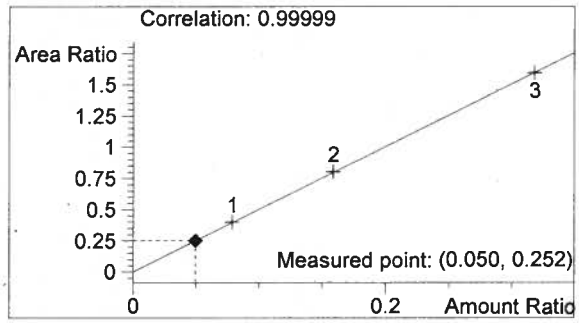
12015 #4
Lisa Noble

vial # 20

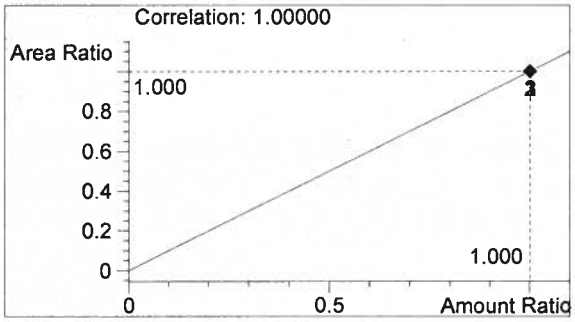


#	Compound	Area	RT
1	Ethanol	363	1.027
2	n-Propanol	1439	1.759

Totals:



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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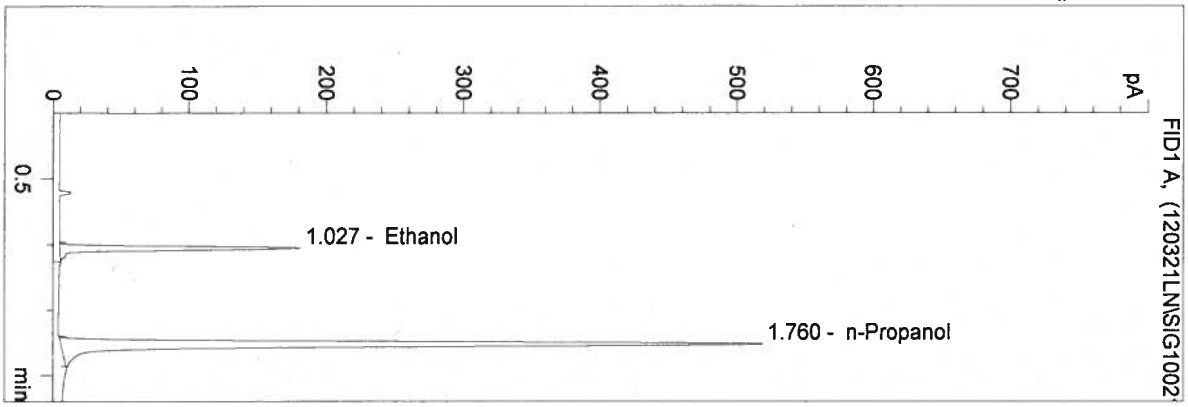
3/21/2012 12:11:33 PM
Instrument 3
DB-ALC2

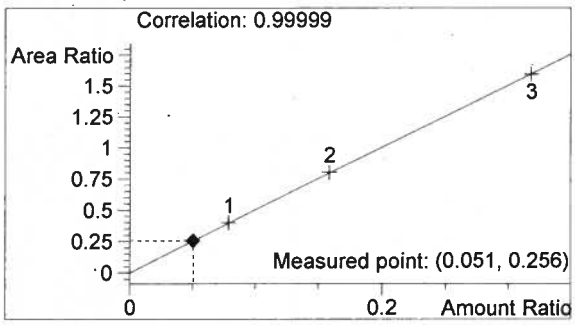
12015 #5
Lisa Noble

vial # 21

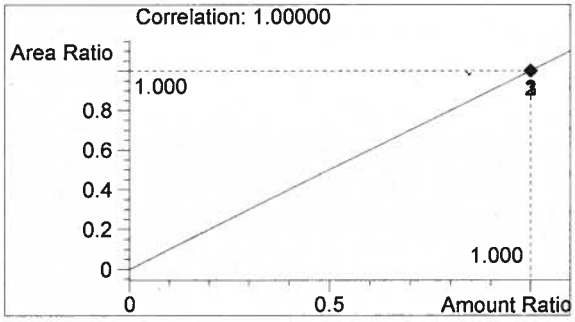


#	Compound	Area	RT
1	Ethanol	364	1.027
2	n-Propanol	1424	1.760

Totals:



Ethanol 0.051 g/100ml



n-Propanol 1.000 g/100ml

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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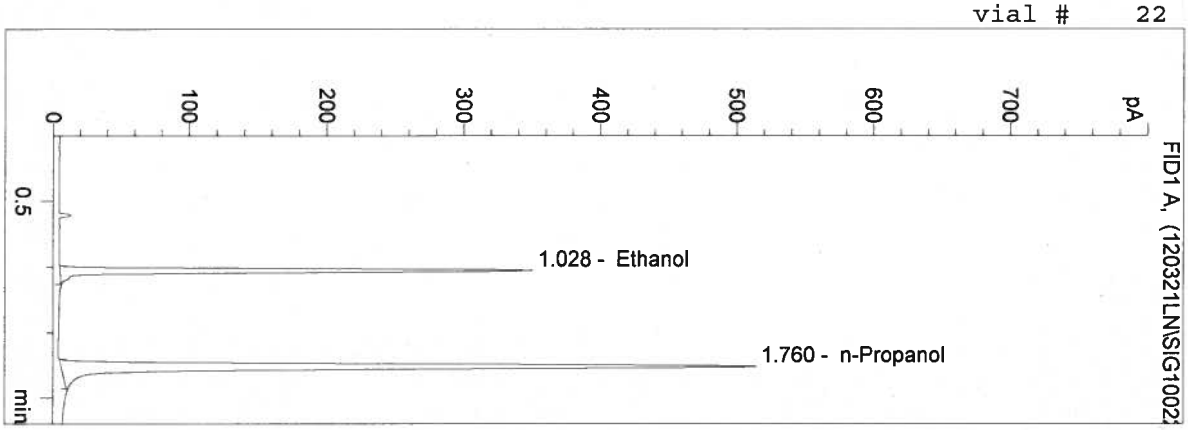
3/21/2012 12:14:41 PM
Instrument 3
DB-ALC2

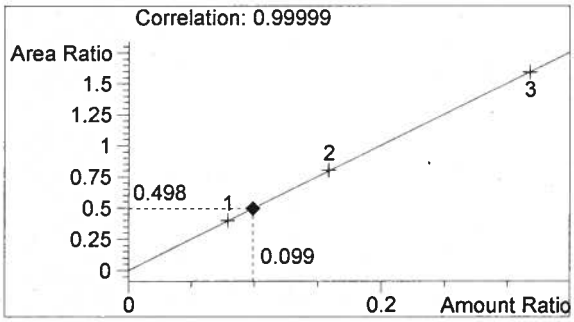
0.10 CTRL - LN
Lisa Noble

vial # 22

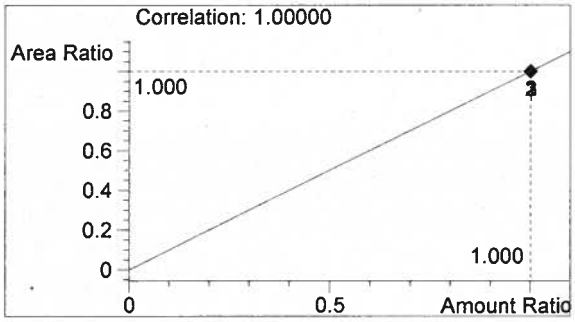


#	Compound	Area	RT
1	Ethanol	704	1.028
2	n-Propanol	1415	1.760

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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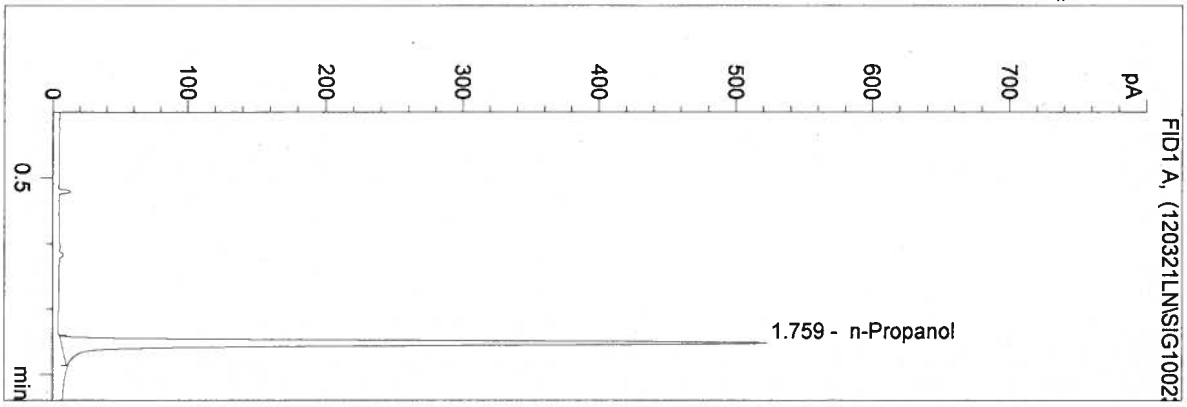
3/21/2012 12:17:48 PM
Instrument 3
DB-ALC2

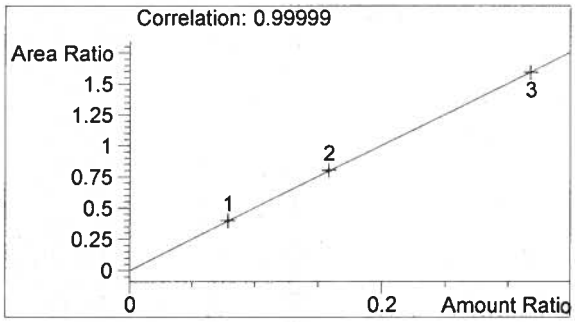
NEG CTRL - LN
Lisa Noble

vial # 23

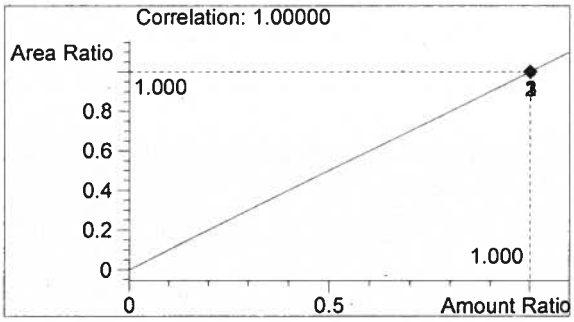


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1439	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015

Sequence: C:\HPCHEM\2\SEQUENCE\CMQAP3.S

Sequence Parameters:

Operator:	Christie Mitchell-Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120328CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01 Exp. 4/29/12
3	Vial 3	Lot#E0112-02 Exp. 4/29/12
4	Vial 4	Lot#E0112-03 Exp. 4/29/12
5	Vial 5	
6	Vial 6	Lot#A077459 Exp 02/2015
7	Vial 7	Lot#A083355 Exp 12/2015
8	Vial 8	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	Lot#A083355 Exp 12/2015
16	Vial 16	

Calibrators + controls filed w/ 12015

12015 12016

12017 12018

CM

Sequence: C:\HPCHEM\2\SEQUENCE\CMQAP3.S

Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	Lot#A083355 Exp 12/2015
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	Lot#A083355 Exp 12/2015
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	Lot#A083355 Exp 12/2015
37	Vial 37	

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-CM	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CM	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CM	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 12015 #1	SIMALC3	1	Sample		
11	Vial 11	QAP 12015 #2	SIMALC3	1	Sample		
12	Vial 12	QAP 12015 #3	SIMALC3	1	Sample		
13	Vial 13	QAP 12015 #4	SIMALC3	1	Sample		
14	Vial 14	QAP 12015 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 12016 #1	SIMALC3	1	Sample		

12015 12016

12017 12018

CM

Sequence: C:\HPCHEM\2\SEQUENCE\CMQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QAP 12016 #2	SIMALC3	1	Sample		
19	Vial 19	QAP 12016 #3	SIMALC3	1	Sample		
20	Vial 20	QAP 12016 #4	SIMALC3	1	Sample		
21	Vial 21	QAP 12016 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 12017 #1	SIMALC3	1	Sample		
25	Vial 25	QAP 12017 #2	SIMALC3	1	Sample		
26	Vial 26	QAP 12017 #3	SIMALC3	1	Sample		
27	Vial 27	QAP 12017 #4	SIMALC3	1	Sample		
28	Vial 28	QAP 12017 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 12018 #1	SIMALC3	1	Sample		
32	Vial 32	QAP 12018 #2	SIMALC3	1	Sample		
33	Vial 33	QAP 12018 #3	SIMALC3	1	Sample		
34	Vial 34	QAP 12018 #4	SIMALC3	1	Sample		
35	Vial 35	QAP 12018 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 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!

12015 12016

12017 12018

CM

Calibration Table

Calib. Data Modified : Wednesday, March 28, 2012 10:18:16 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
1.027	1	1	7.90200e-2	555.79376	1.42175e-4	1		Ethanol
		2	1.58720e-1	1125.35730	1.41040e-4			
		3	3.17800e-1	2216.42896	1.43384e-4			
1.759	1	1	1.00000	1429.14709	6.99718e-4	I1		n-Propanol
		2	1.00000	1404.74463	7.11873e-4			
		3	1.00000	1402.96997	7.12774e-4			

Peak Sum Table

No Entries in table

12015 12016

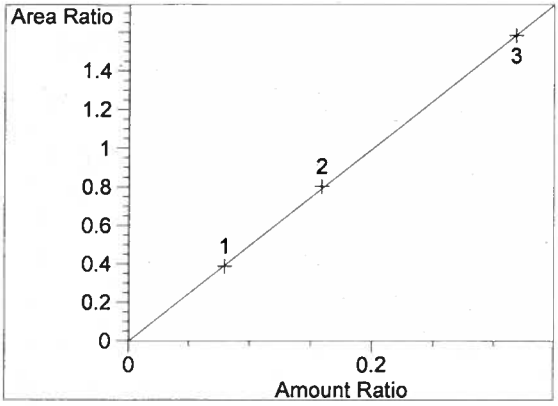
12017 12018

CM

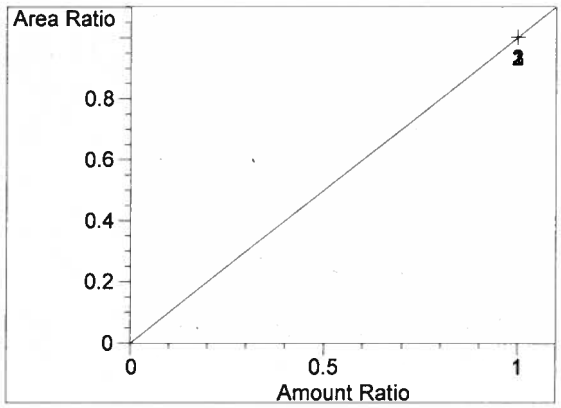
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.027
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00839
Formula: y = mx + b
m: 4.97967
b: 8.53830e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
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

==========

12015 12016

12017 12018

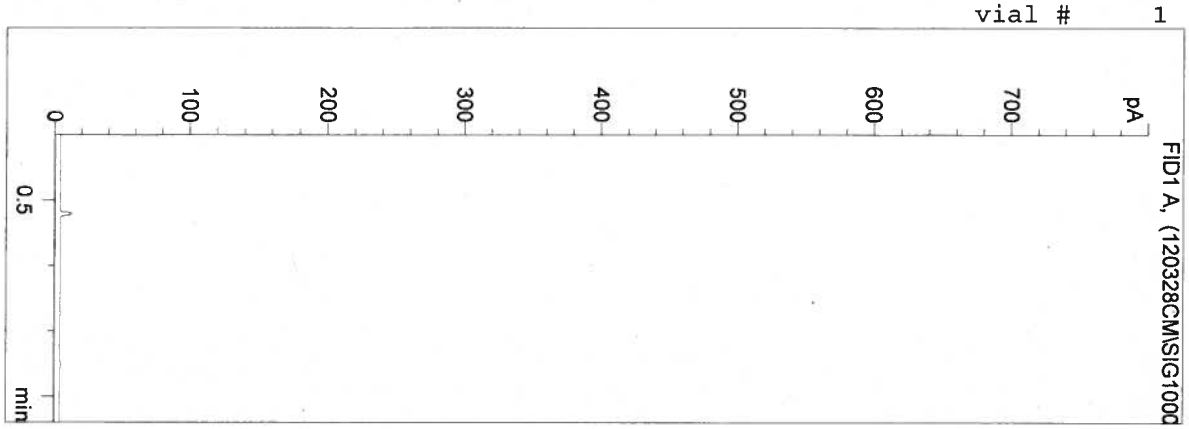
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:06:41 AM
Instrument 3
DB-ALC2

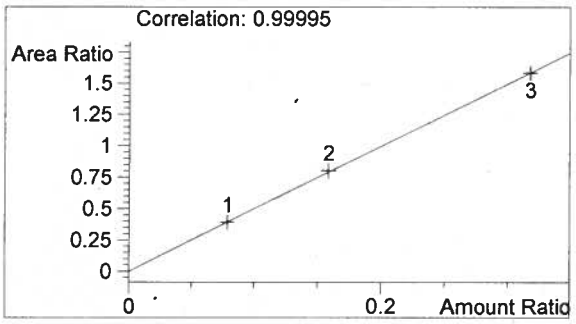
BLANK
Christie Mitchell-Mata

vial # 1

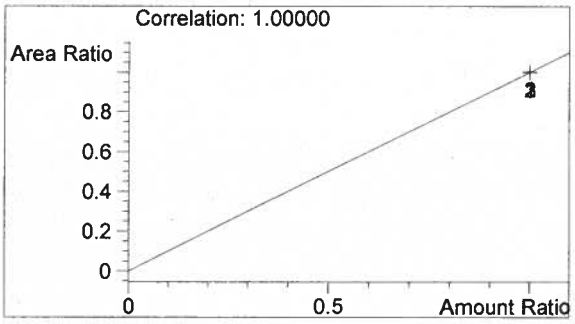


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12015 12016

12017 1201

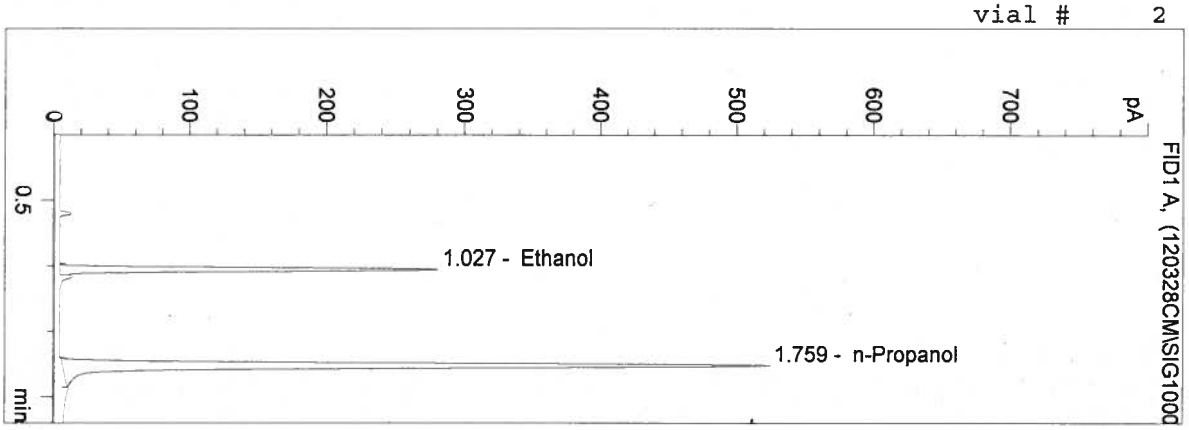
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:09:48 AM
Instrument 3
DB-ALC2

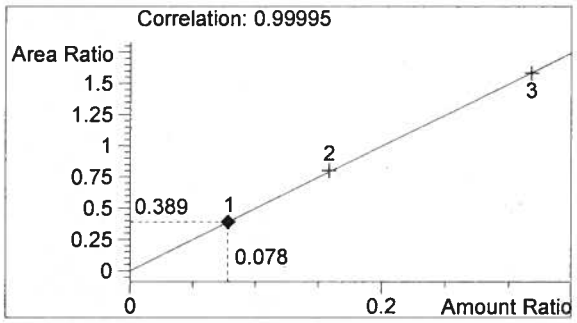
0.079 CAL 1
Christie Mitchell-Mata

vial # 2

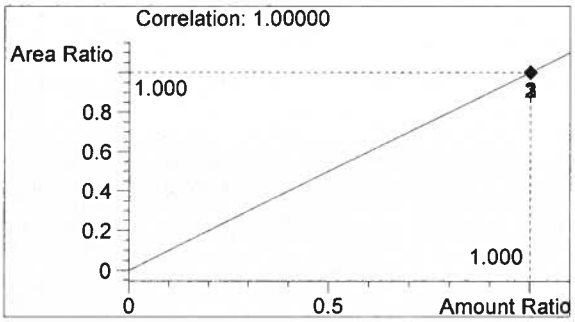


#	Compound	Area	RT
1	Ethanol	556	1.027
2	n-Propanol	1429	1.759

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

12015 12016
12017 12018
CM

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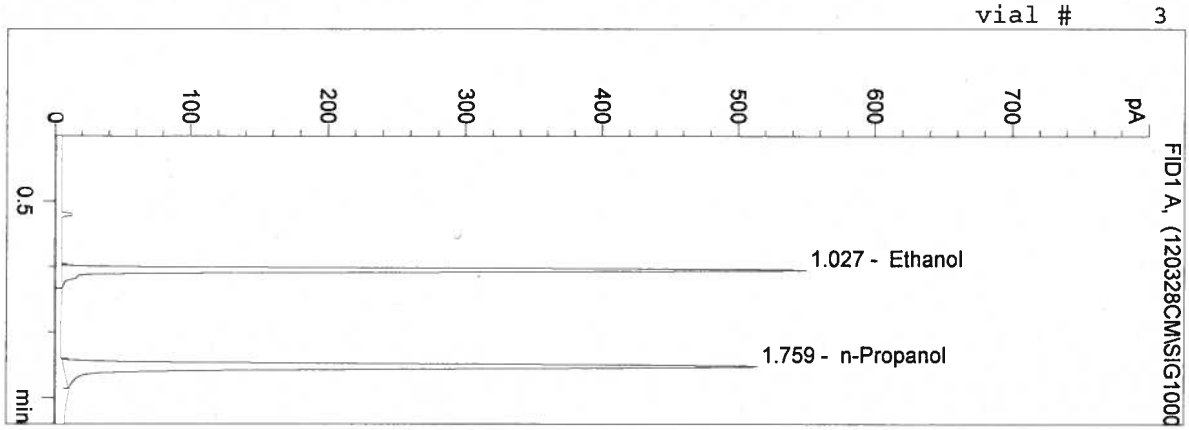
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:12:56 AM
Instrument 3
DB-ALC2

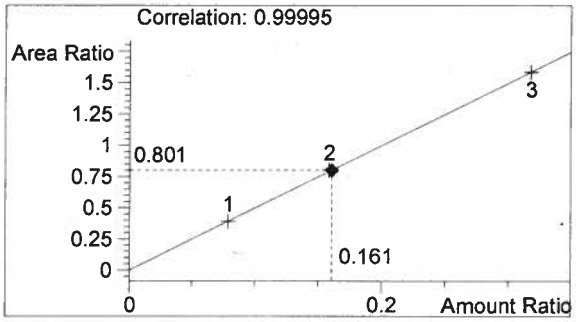
0.158 CAL 2
Christie Mitchell-Mata

vial # 3

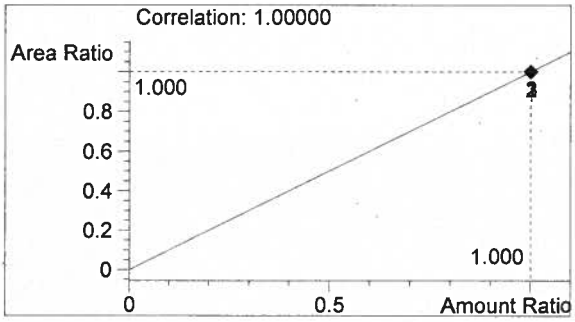


#	Compound	Area	RT
1	Ethanol	1125	1.027
2	n-Propanol	1405	1.759

Totals:



Ethanol 0.161 g/100ml



n-Propanol 1.000 g/100ml

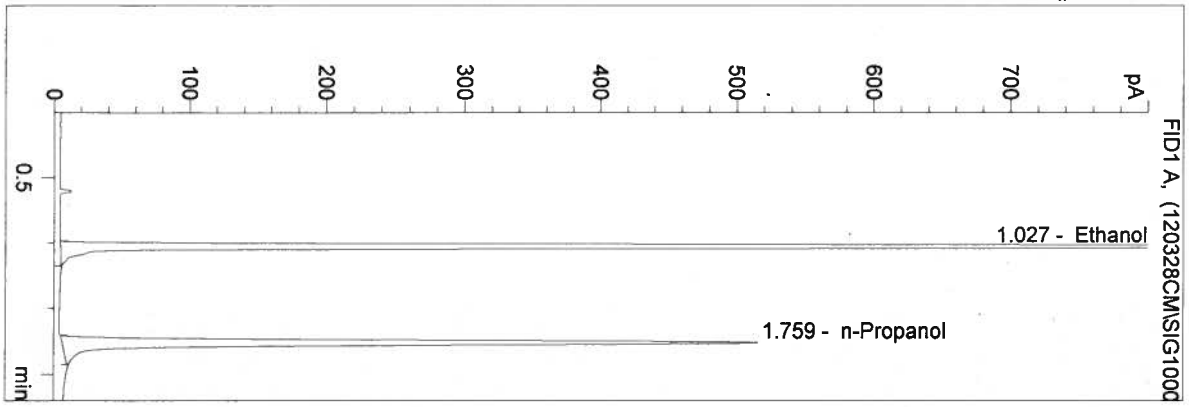
12015 12016
12017 CM
12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:16:03 AM
Instrument 3
DB-ALC2

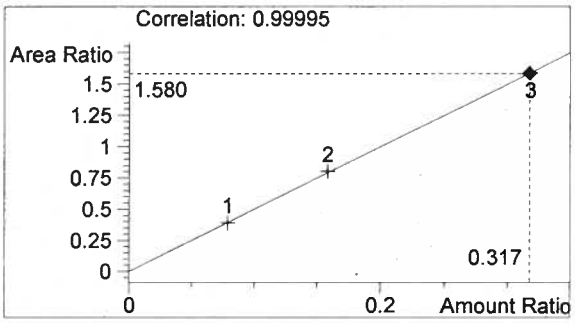
0.316 CAL 3
Christie Mitchell-Mata

vial # 4

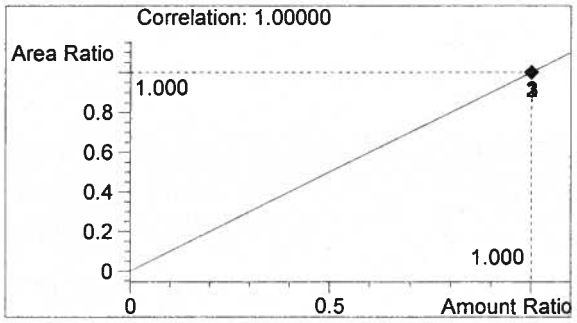


#	Compound	Area	RT
1	Ethanol	2216	1.027
2	n-Propanol	1403	1.759

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

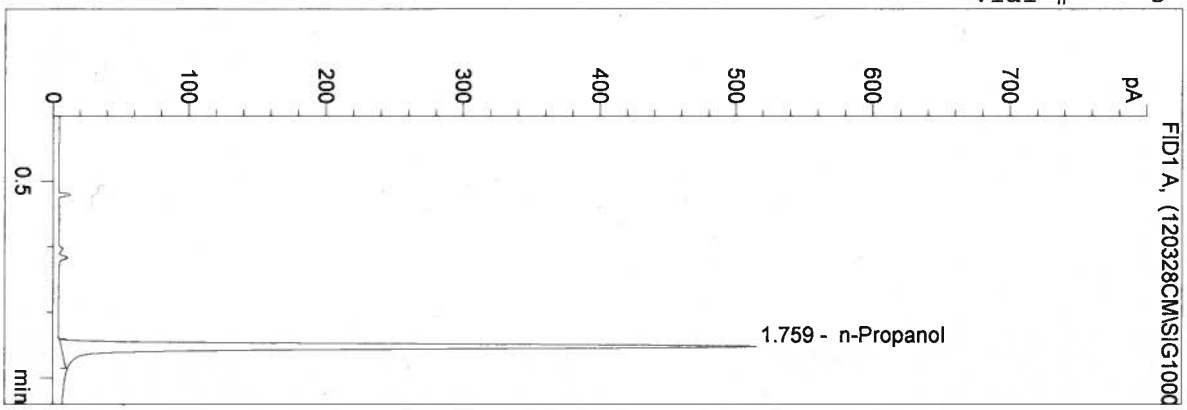
12015 12016
12017 1201
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

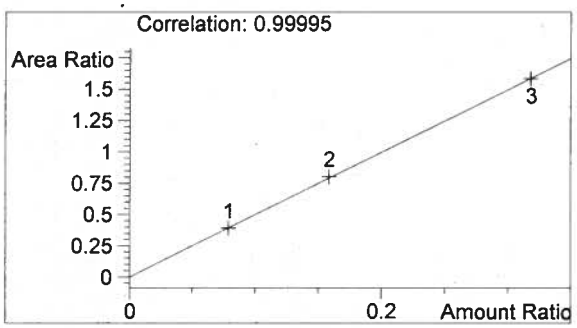
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:19:11 AM
Instrument 3
DB-ALC2

NEG CTRL-CM
Christie Mitchell-Mata

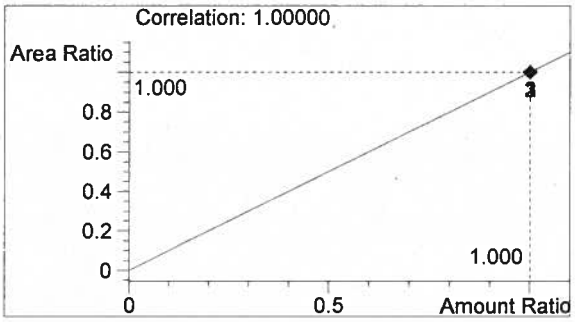
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1401	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015 1201

12017

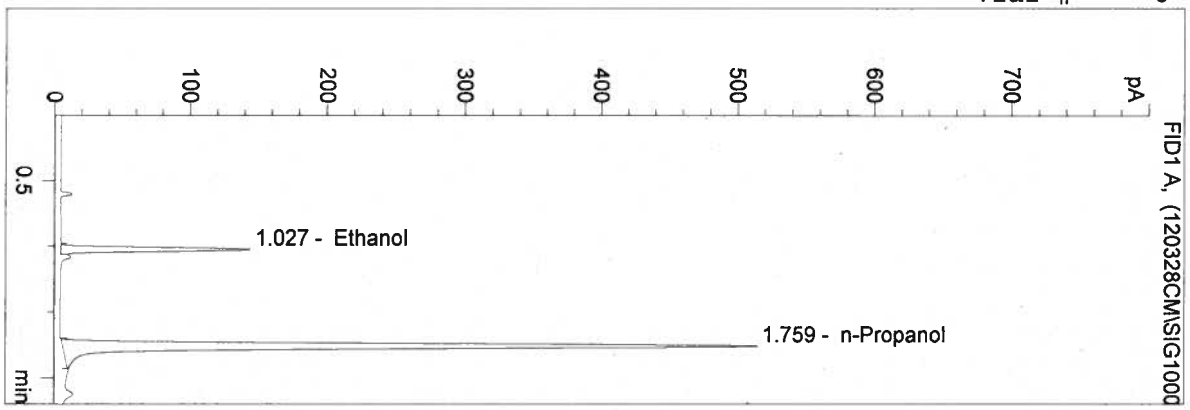
12018 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

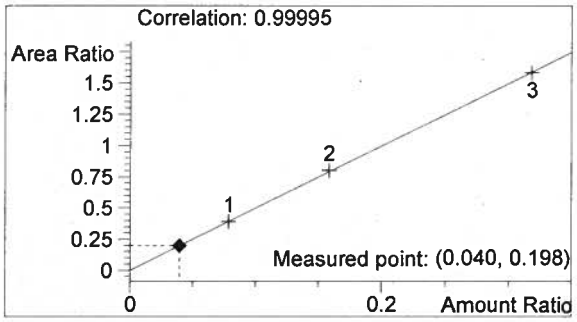
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:22:19 AM
Instrument 3
DB-ALC2

0.04 CTRL-CM
Christie Mitchell-Mata

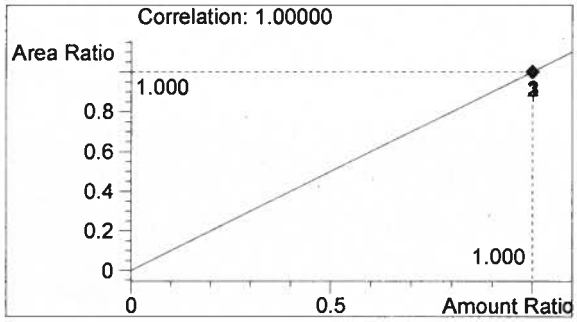
vial # 6



#	Compound	Area	RT
1	Ethanol	278	1.027
2	n-Propanol	1403	1.759
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12015 12016

12017 CM

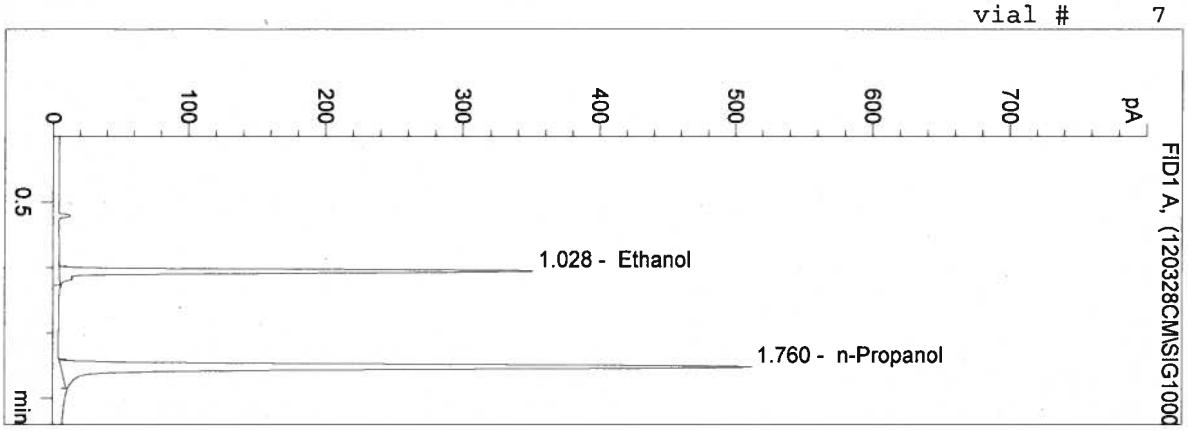
12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:25:26 AM
Instrument 3
DB-ALC2

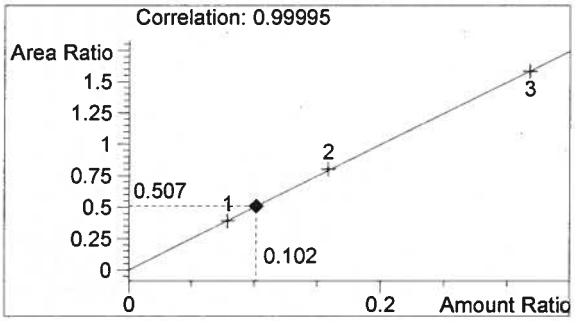
0.10 CTRL-CM
Christie Mitchell-Mata

vial # 7

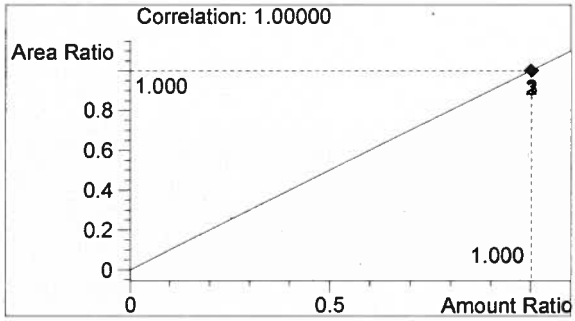


#	Compound	Area	RT
1	Ethanol	708	1.028
2	n-Propanol	1395	1.760

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

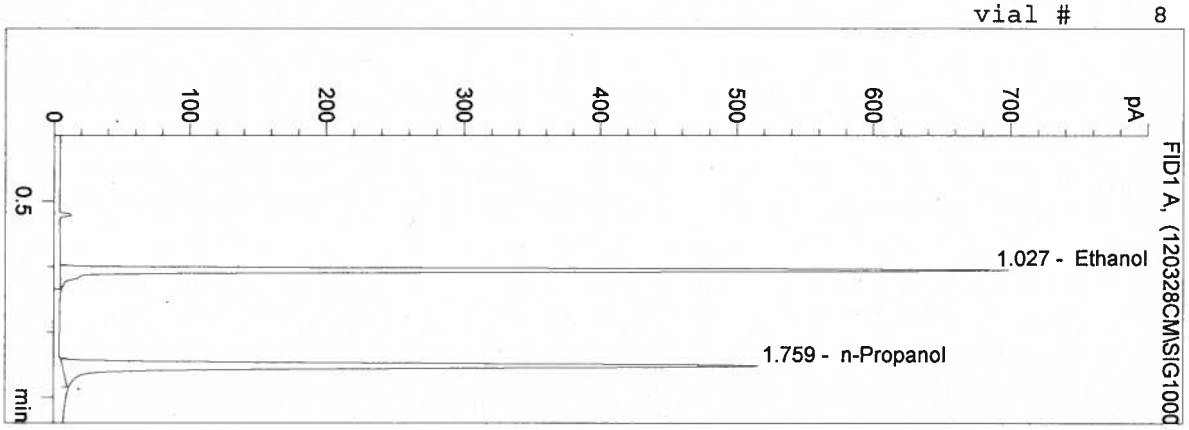
12015 1201
12016
12017 CM
12018

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:28:34 AM
Instrument 3
DB-ALC2

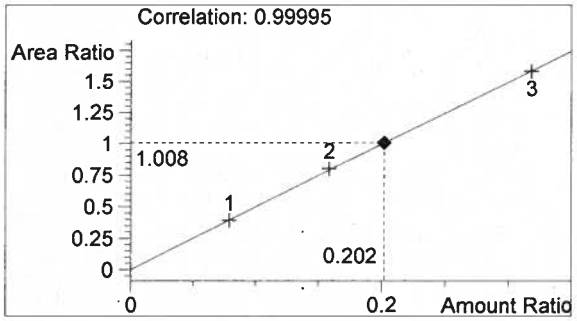
0.20 CTRL-CM
Christie Mitchell-Mata

vial # 8

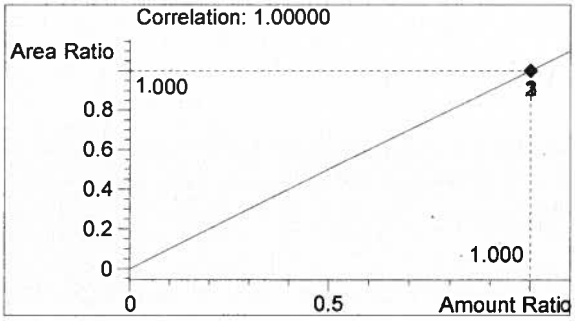


#	Compound	Area	RT
1	Ethanol	1413	1.027
2	n-Propanol	1403	1.759

Totals:



Ethanol 0.202 g/100ml



n-Propanol 1.000 g/100ml

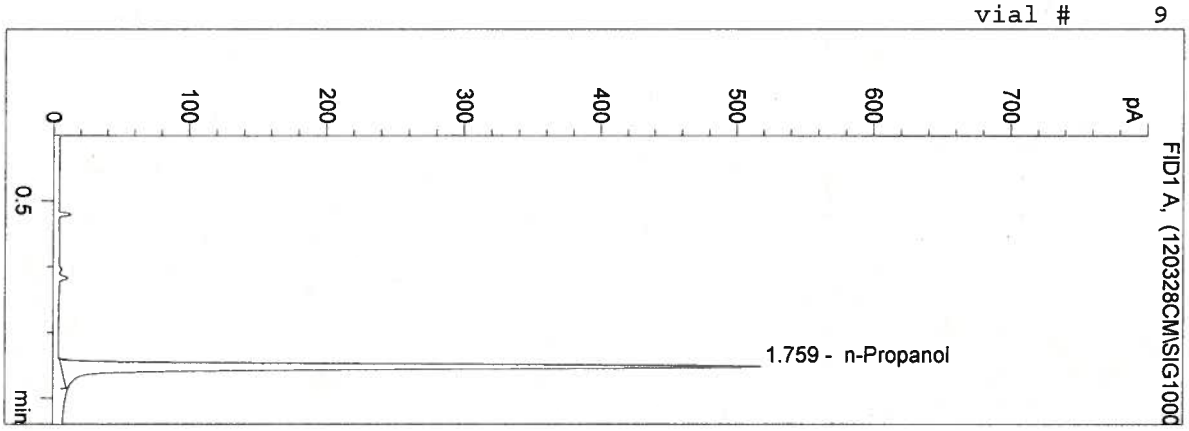
12015 12016
12017
12018 CM

WASHINGTON STATE TOXICOLOGY LABORATORY

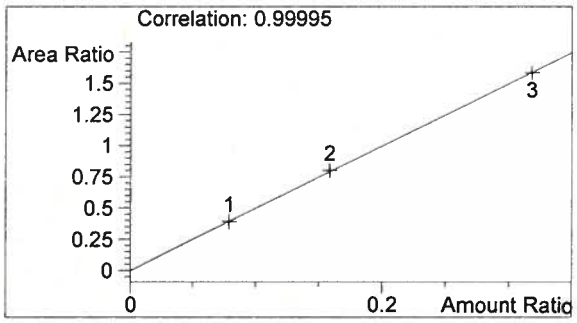
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:31:41 AM
Instrument 3
DB-ALC2

NEG CTRL-CM
Christie Mitchell-Mata

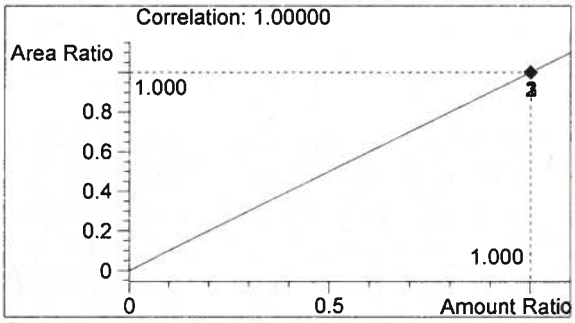
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1410	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

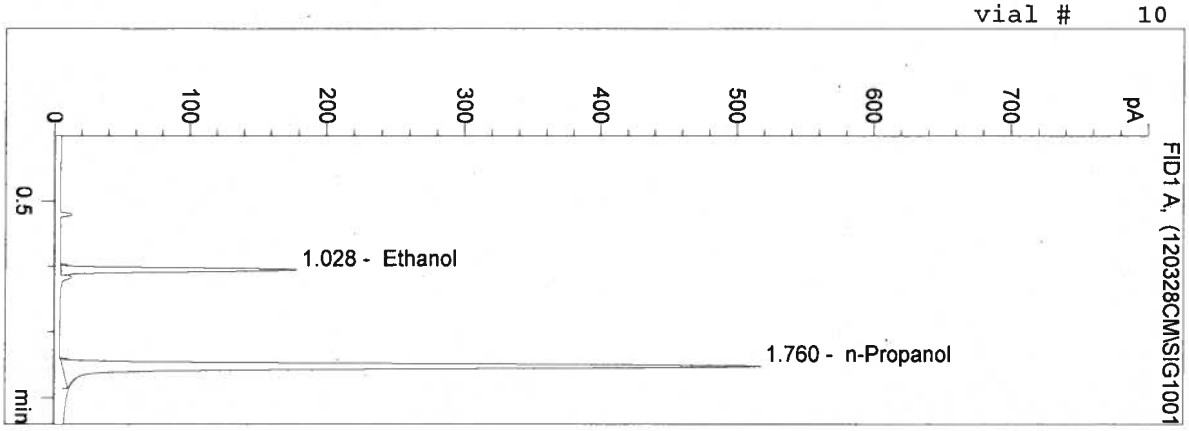
12015 120
12016 4/18/12
12017 CM
12018

WASHINGTON STATE TOXICOLOGY LABORATORY

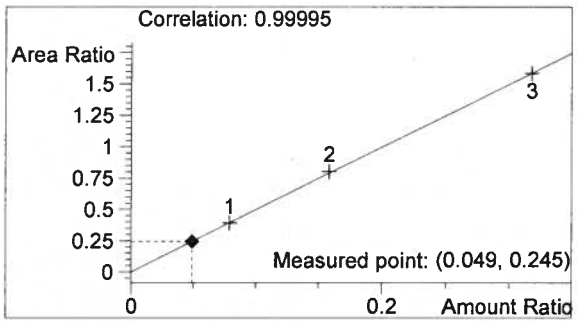
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:34:49 AM
Instrument 3
DB-ALC2

QAP 12015 #1
Christie Mitchell-Mata

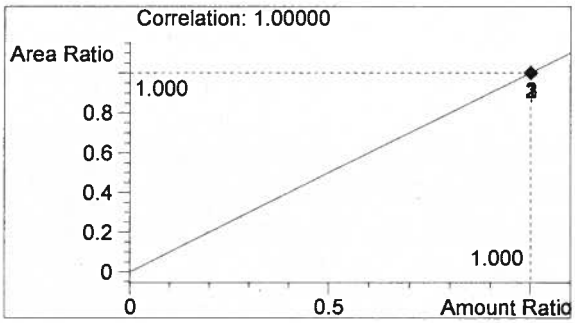
vial # 10



#	Compound	Area	RT
1	Ethanol	345	1.028
2	n-Propanol	1408	1.760
Totals:			



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

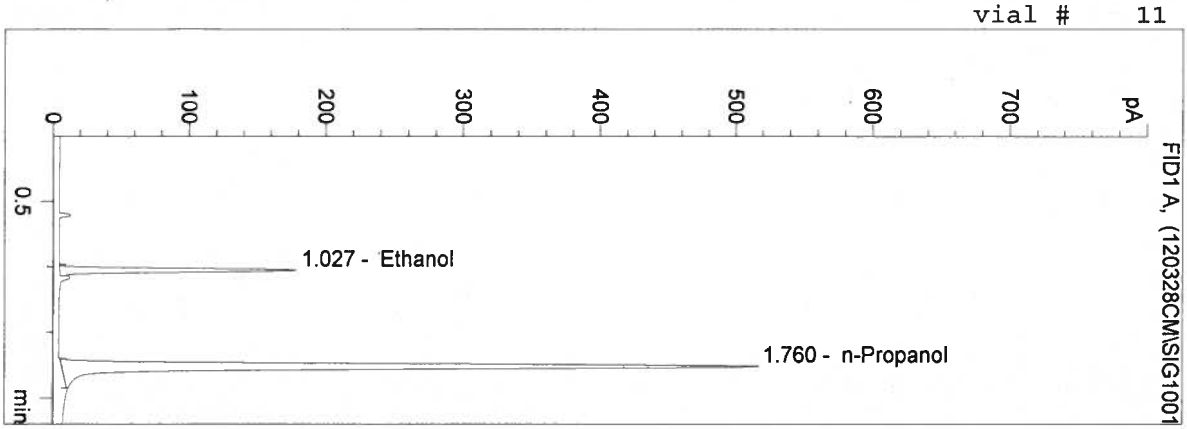
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:37:56 AM
Instrument 3
DB-ALC2

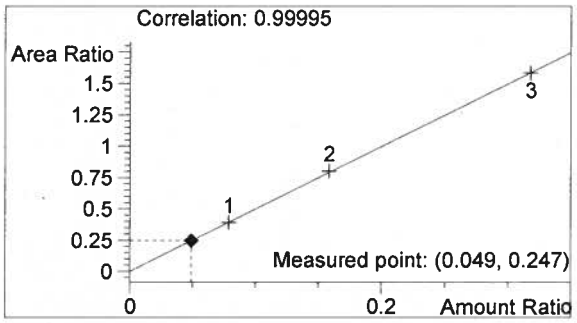
QAP 12015 #2
Christie Mitchell-Mata

vial # 11

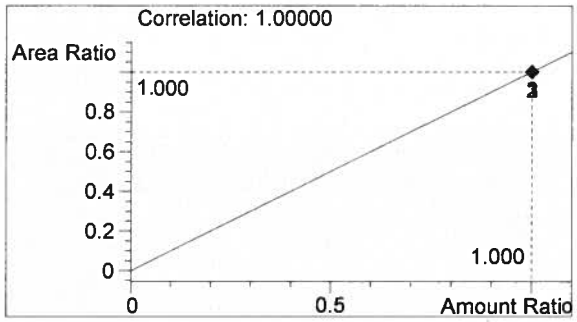


#	Compound	Area	RT
1	Ethanol	348	1.027
2	n-Propanol	1407	1.760

Totals:



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

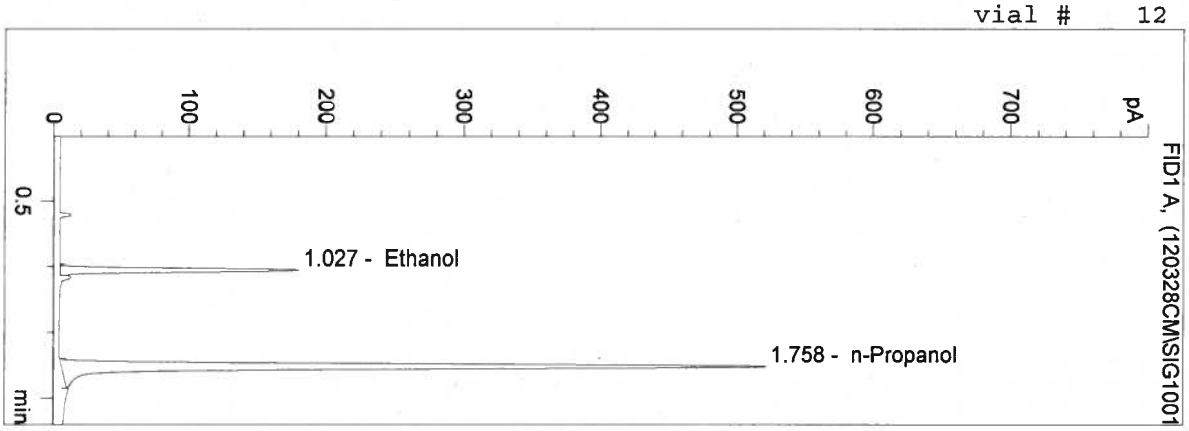
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

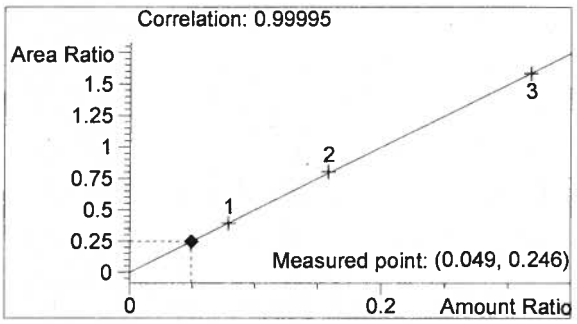
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:41:04 AM
Instrument 3
DB-ALC2

QAP 12015 #3
Christie Mitchell-Mata

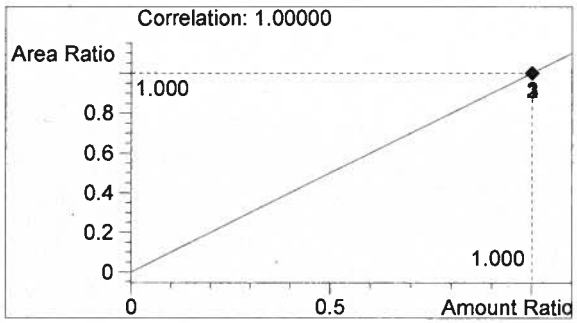
vial # 12



#	Compound	Area	RT
1	Ethanol	351	1.027
2	n-Propanol	1426	1.758
Totals:			



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

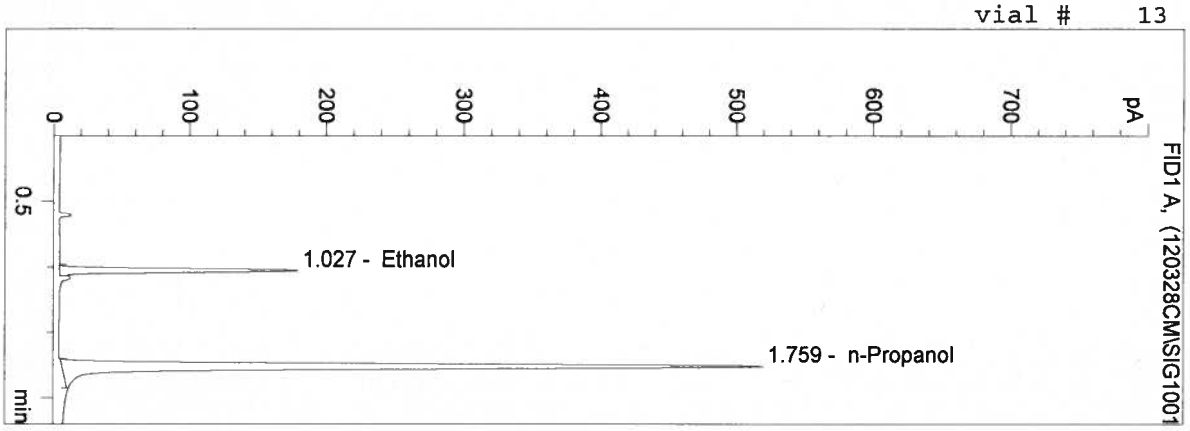
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

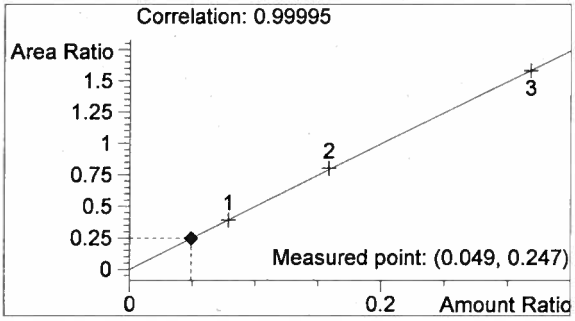
C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:44:11 AM
Instrument 3
DB-ALC2

QAP 12015 #4
Christie Mitchell-Mata

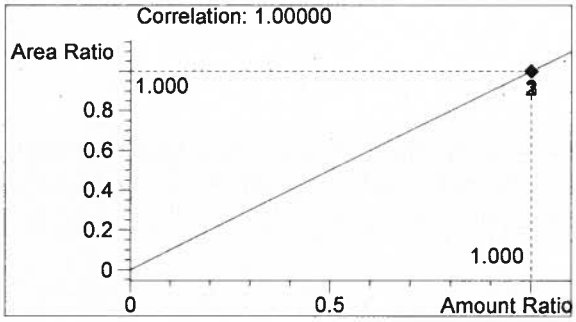
vial # 13



#	Compound	Area	RT
1	Ethanol	349	1.027
2	n-Propanol	1413	1.759
Totals:			



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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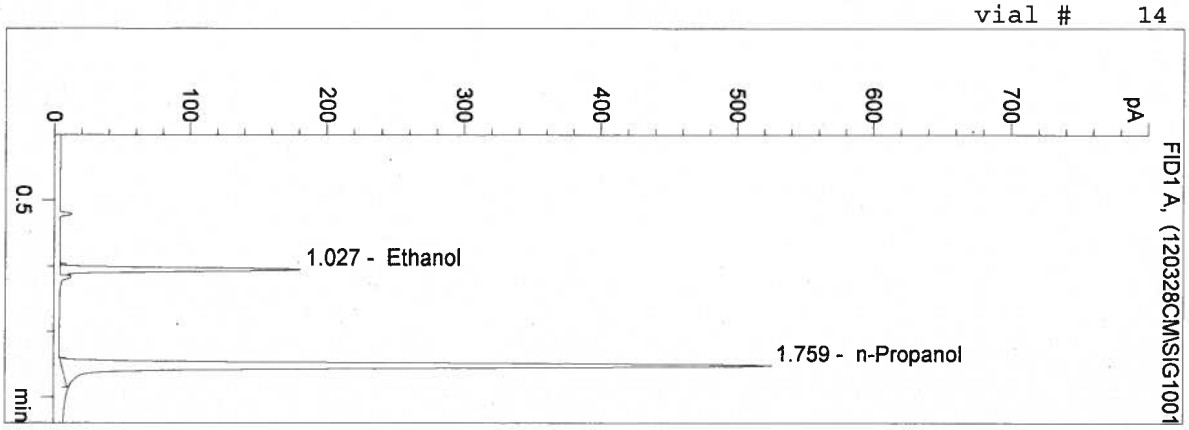
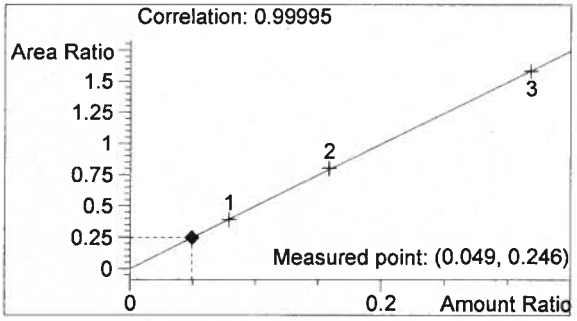
3/28/2012 10:47:19 AM
Instrument 3
DB-ALC2

QAP 12015 #5
Christie Mitchell-Mata

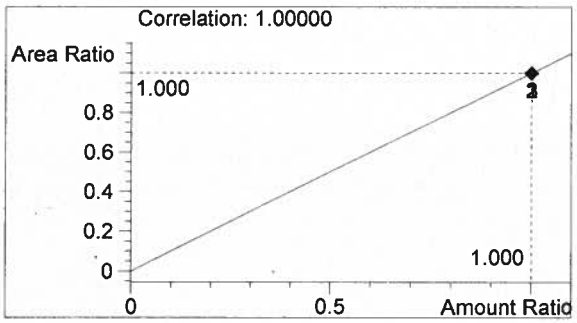
vial # 14



#	Compound	Area	RT
1	Ethanol	353	1.027
2	n-Propanol	1435	1.759
Totals:			



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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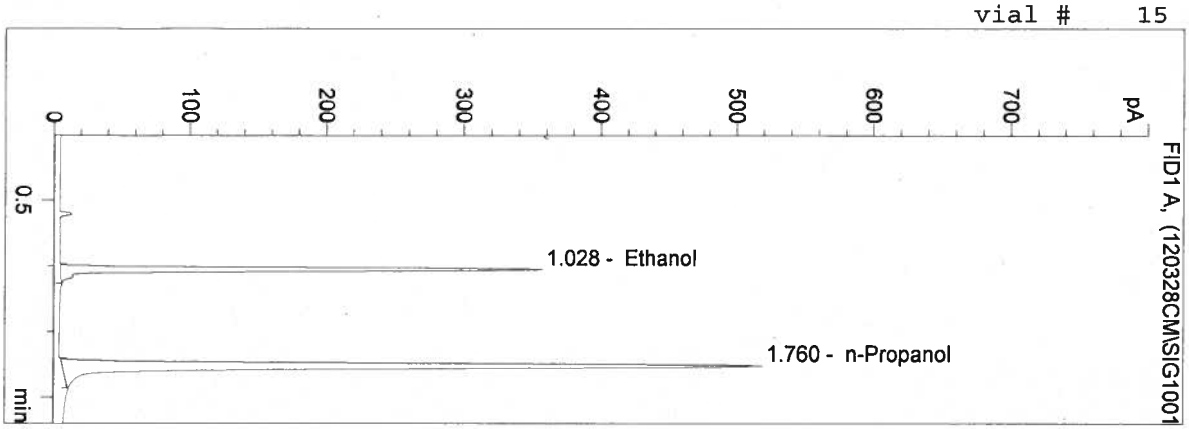
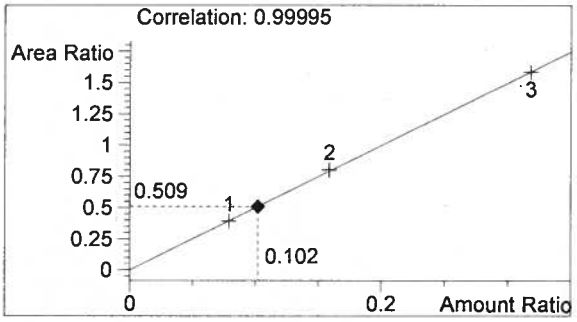
3/28/2012 10:50:26 AM
Instrument 3
DB-ALC2

0.10 CTRL-CM
Christie Mitchell-Mata

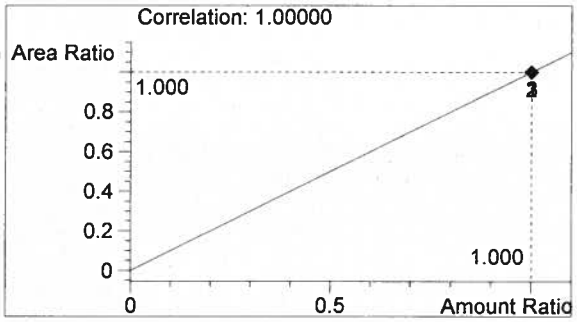
vial # 15



#	Compound	Area	RT
1	Ethanol	720	1.028
2	n-Propanol	1414	1.760
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12015

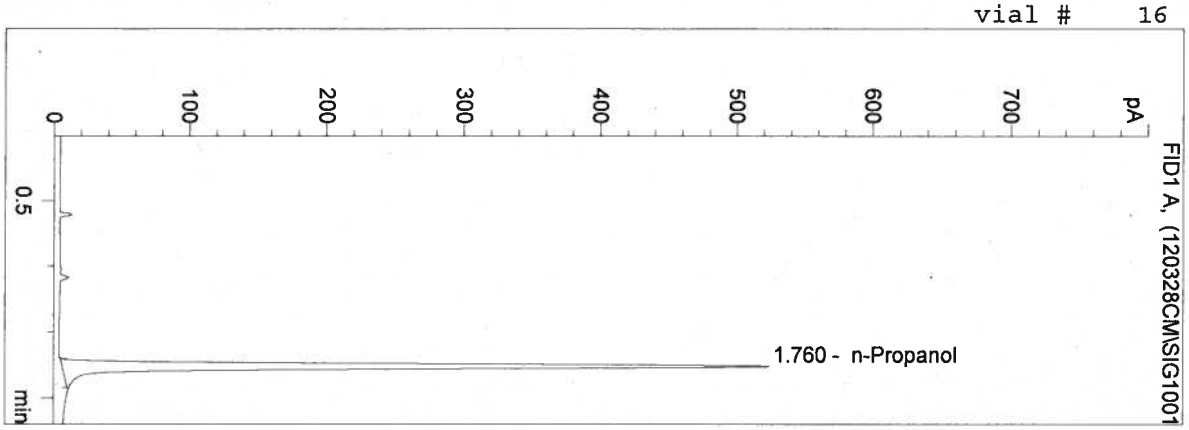
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/28/2012 10:53:34 AM
Instrument 3
DB-ALC2

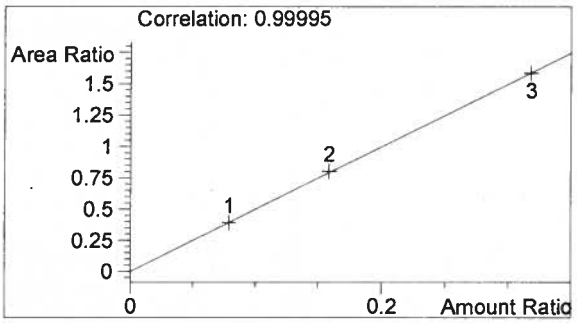
NEG CTRL-CM
Christie Mitchell-Mata

vial # 16

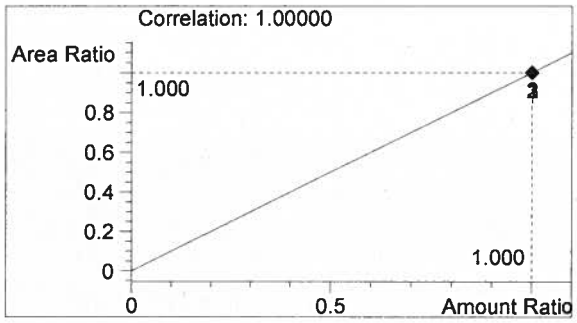


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1425	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

120 5

120

12015

CM

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:	120329B2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01
3	Vial 3	Lot#E0112-02
4	Vial 4	Lot#E0112-03
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	

12015 12016

BL

Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	
37	Vial 37	

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	QAP 12015 #1	SIMALC3	1	Sample		
11	Vial 11	QAP 12015 #2	SIMALC3	1	Sample		
12	Vial 12	QAP 12015 #3	SIMALC3	1	Sample		
13	Vial 13	QAP 12015 #4	SIMALC3	1	Sample		
14	Vial 14	QAP 12015 #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		
17	Vial 17	QAP 12016 #1	SIMALC3	1	Sample		

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BP

Sequence: C:\HPCHEM\2\SEQUENCE\BPQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QAP 12016 #2	SIMALC3	1	Sample		
19	Vial 19	QAP 12016 #3	SIMALC3	1	Sample		
20	Vial 20	QAP 12016 #4	SIMALC3	1	Sample		
21	Vial 21	QAP 12016 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL-BP	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL-BP	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 12017 #1	SIMALC3	1	Sample		
25	Vial 25	QAP 12017 #2	SIMALC3	1	Sample		
26	Vial 26	QAP 12017 #3	SIMALC3	1	Sample		
27	Vial 27	QAP 12017 #4	SIMALC3	1	Sample		
28	Vial 28	QAP 12017 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL-BP	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL-BP	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 12018 #1	SIMALC3	1	Sample		
32	Vial 32	QAP 12018 #2	SIMALC3	1	Sample		
33	Vial 33	QAP 12018 #3	SIMALC3	1	Sample		
34	Vial 34	QAP 12018 #4	SIMALC3	1	Sample		
35	Vial 35	QAP 12018 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL-BP	SIMALC3	1	Ctrl Samp		
37	Vial 37	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!

Tray lock error on vial 26, all samples from vial 24 on were realiquoted with new calibrators + controls and run on 3/30/12.
BP

12015 12016

BP

Calibration Table

Calib. Data Modified : Friday, March 30, 2012 8:46:35 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
1.028	1	1	7.90200e-2	601.05359	1.31469e-4		1	Ethanol
		2	1.58720e-1	1163.37781	1.36430e-4			
		3	3.17800e-1	2248.05054	1.41367e-4			
1.761	1	1	1.00000	1450.64160	6.89350e-4	I1		n-Propanol
		2	1.00000	1425.24512	7.01634e-4			
		3	1.00000	1424.74243	7.01881e-4			

Peak Sum Table

No Entries in table

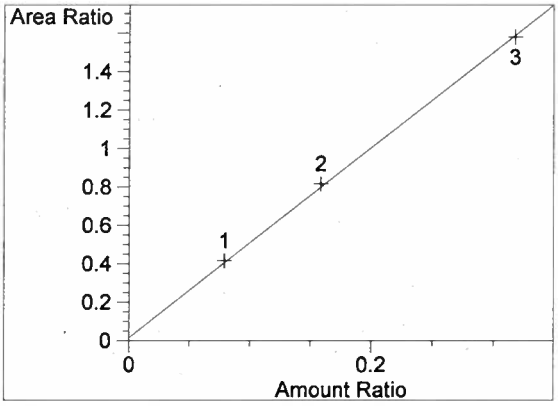
12015 12016

BS

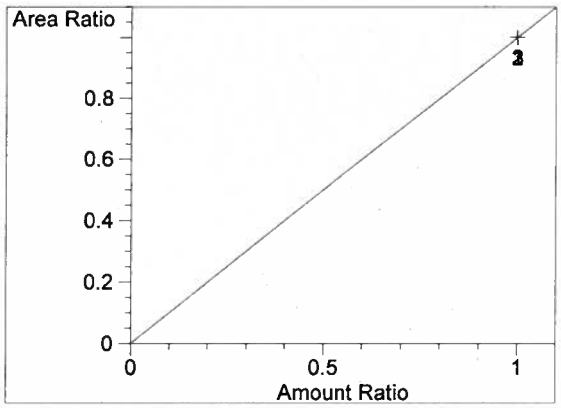
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99976
Residual Std. Dev.: 0.01789
Formula: y = mx + b
m: 4.95126
b: 1.44611e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.761
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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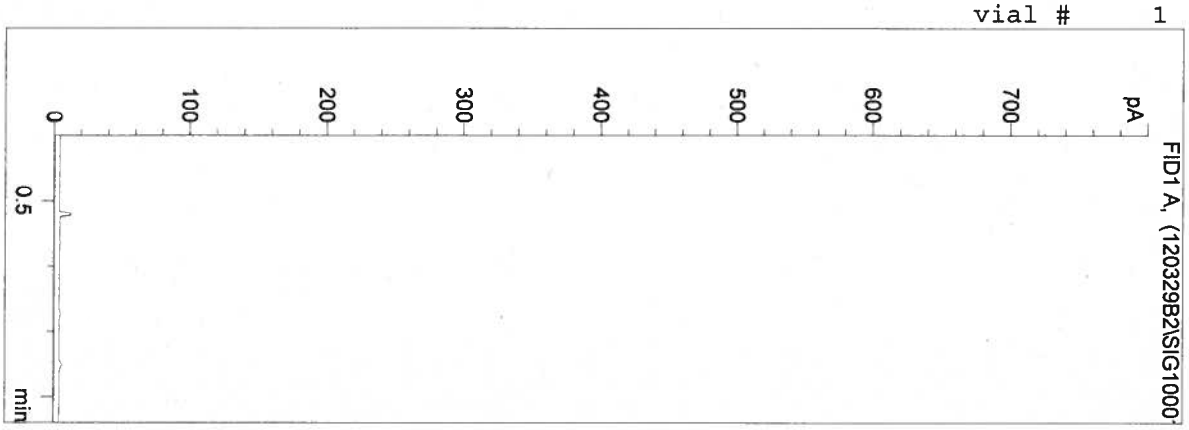
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

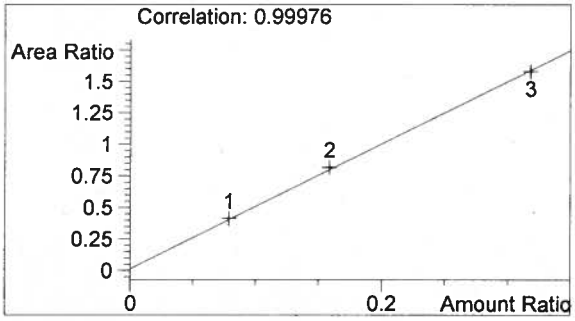
C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:38:19 PM
Instrument 3
DB-ALC2

BLANK
Brianna Peterson

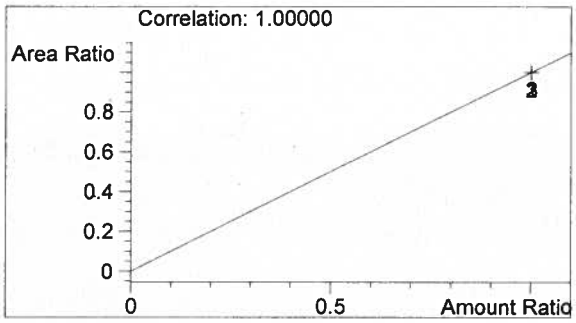
vial # 1



#	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

12015

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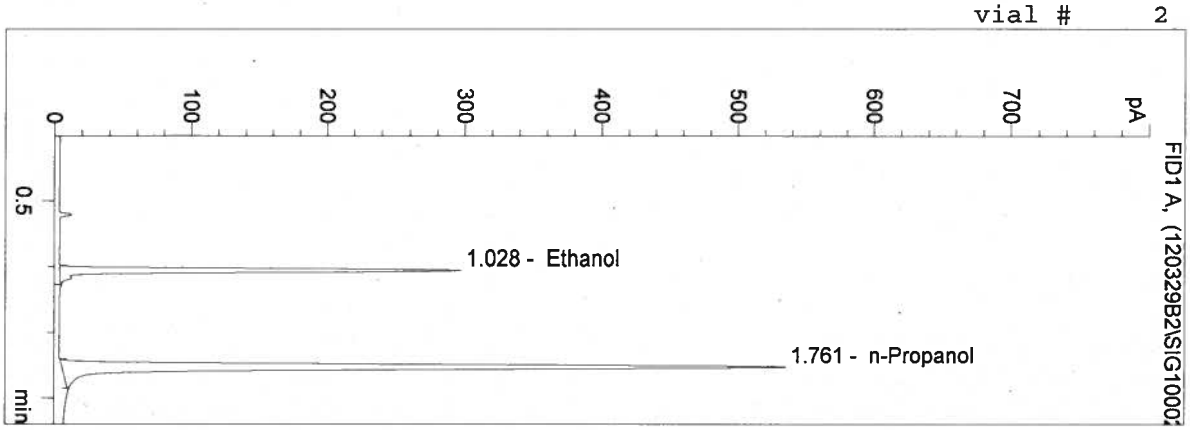
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:41:26 PM
Instrument 3
DB-ALC2

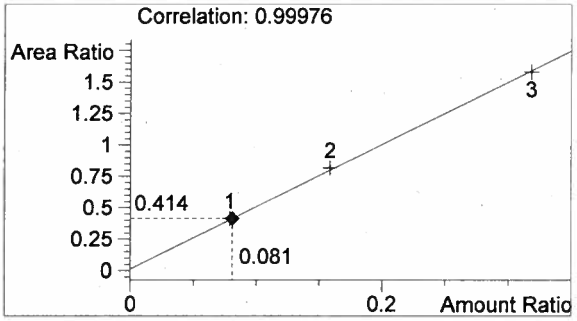
0.079 CAL 1
Brianna Peterson

vial # 2

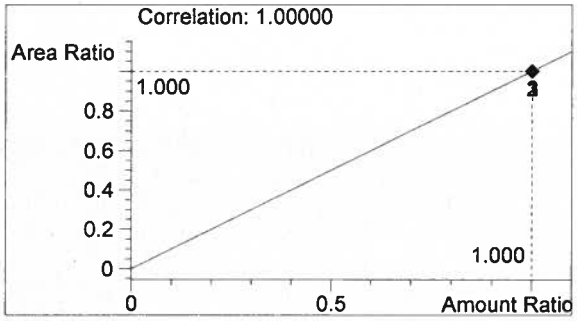


#	Compound	Area	RT
1	Ethanol	601	1.028
2	n-Propanol	1451	1.761

Totals:



Ethanol 0.081 g/100ml



n-Propanol 1.000 g/100ml

12015

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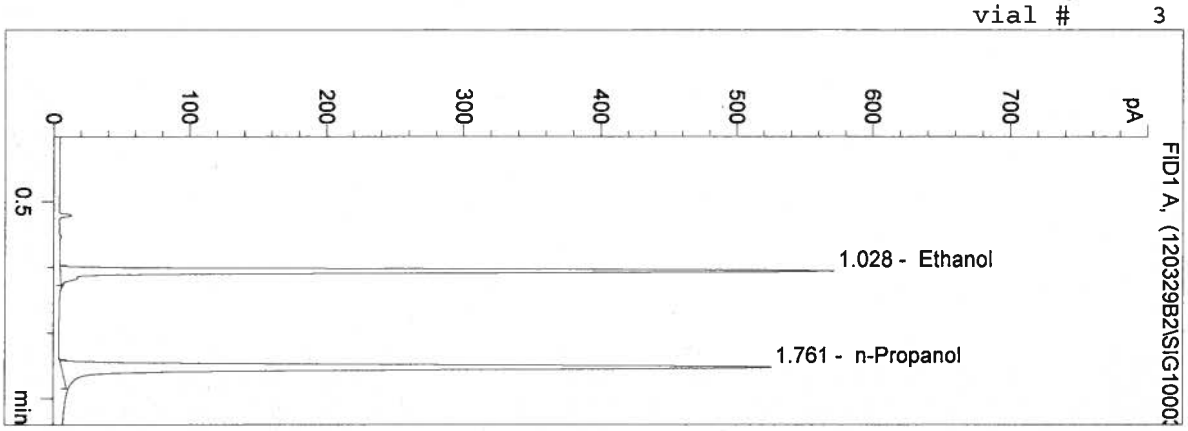
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:44:34 PM
Instrument 3
DB-ALC2

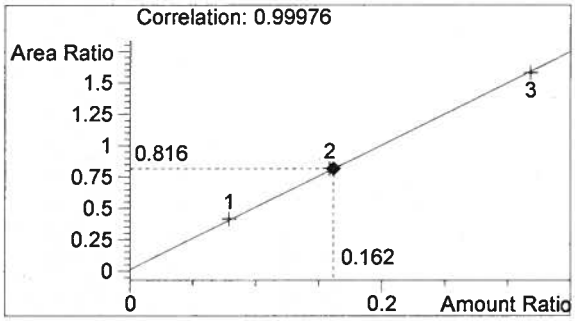
0.158 CAL 2
Brianna Peterson

vial # 3

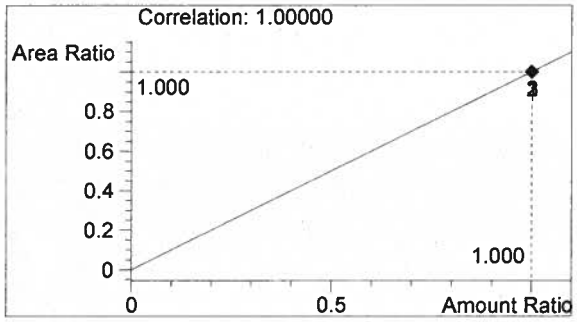


#	Compound	Area	RT
1	Ethanol	1163	1.028
2	n-Propanol	1425	1.761

Totals:



Ethanol 0.162 g/100ml



n-Propanol 1.000 g/100ml

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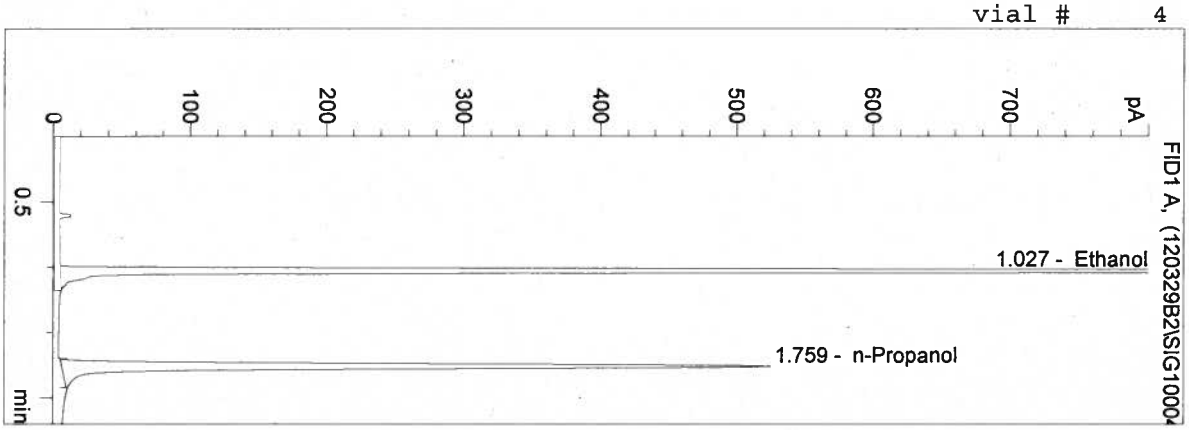
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:47:42 PM
Instrument 3
DB-ALC2

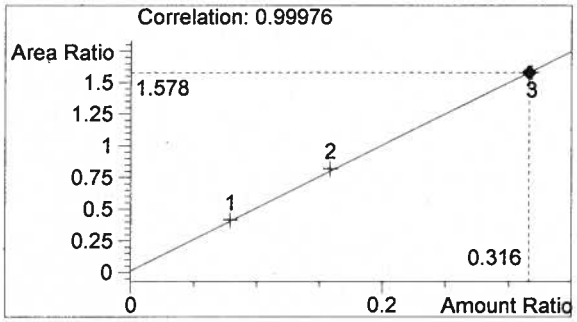
0.316 CAL 3
Brianna Peterson

vial # 4

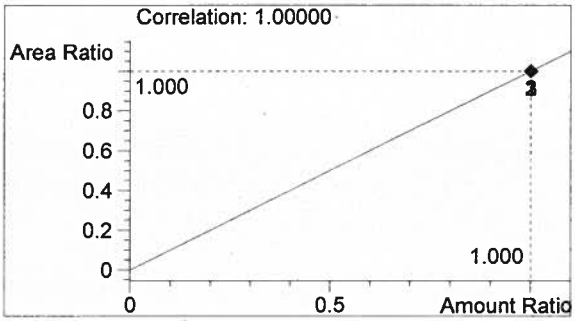


#	Compound	Area	RT
1	Ethanol	2248	1.027
2	n-Propanol	1425	1.759

Totals:



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

12015

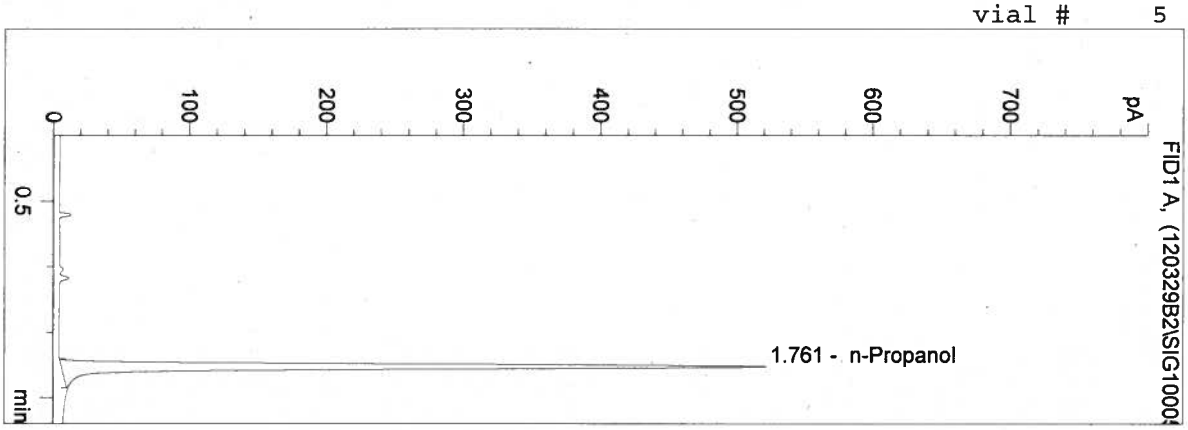
12016

WASHINGTON STATE TOXICOLOGY LABORATORY

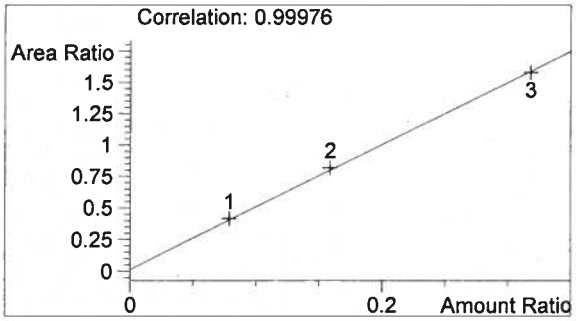
C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:50:49 PM
Instrument 3
DB-ALC2

NEG CTRL-BP
Brianna Peterson

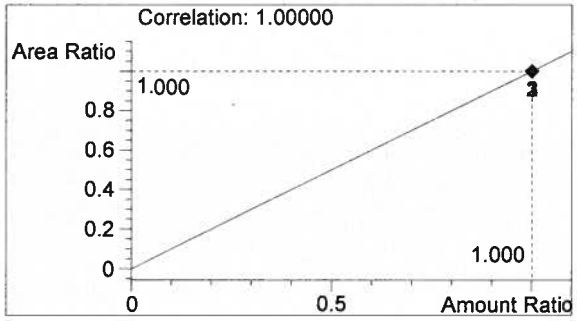
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1416	1.761
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015 BP

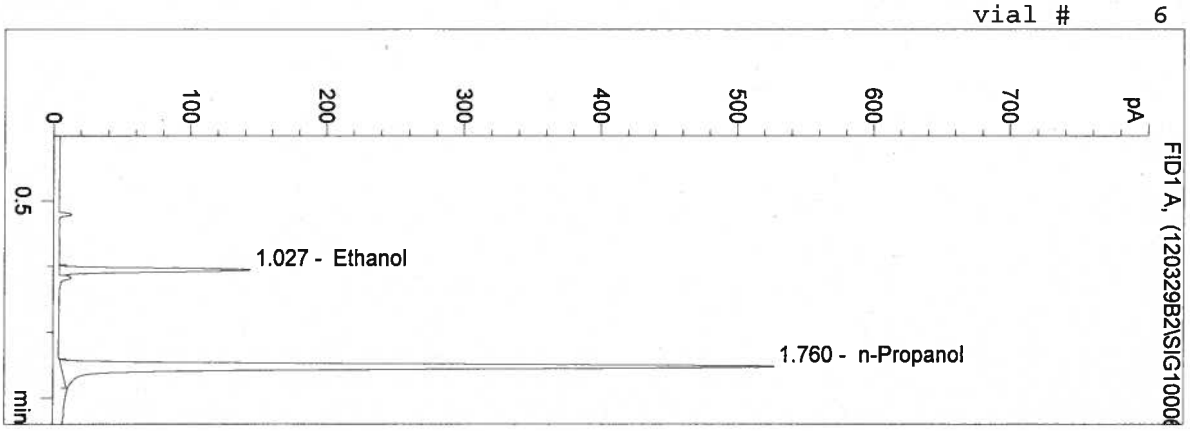
12016

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:53:57 PM
Instrument 3
DB-ALC2

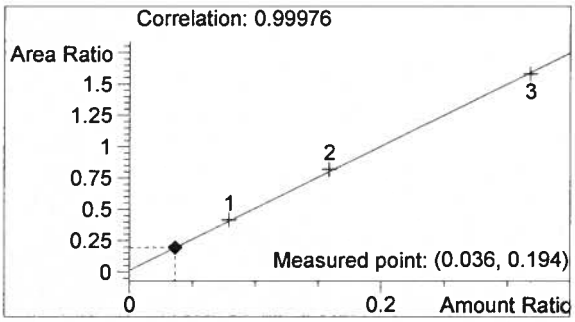
0.04 CTRL-BP
Brianna Peterson

vial # 6

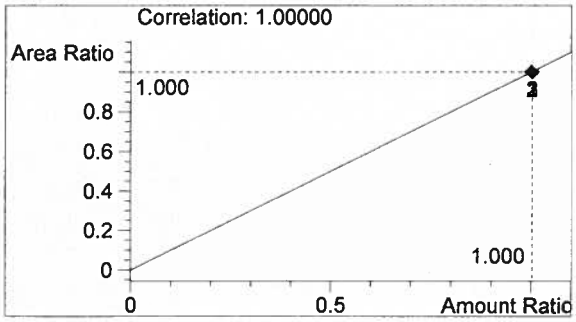


#	Compound	Area	RT
1	Ethanol	279	1.027
2	n-Propanol	1436	1.760

Totals:



Ethanol 0.036 g/100ml



n-Propanol 1.000 g/100ml

12015 BP

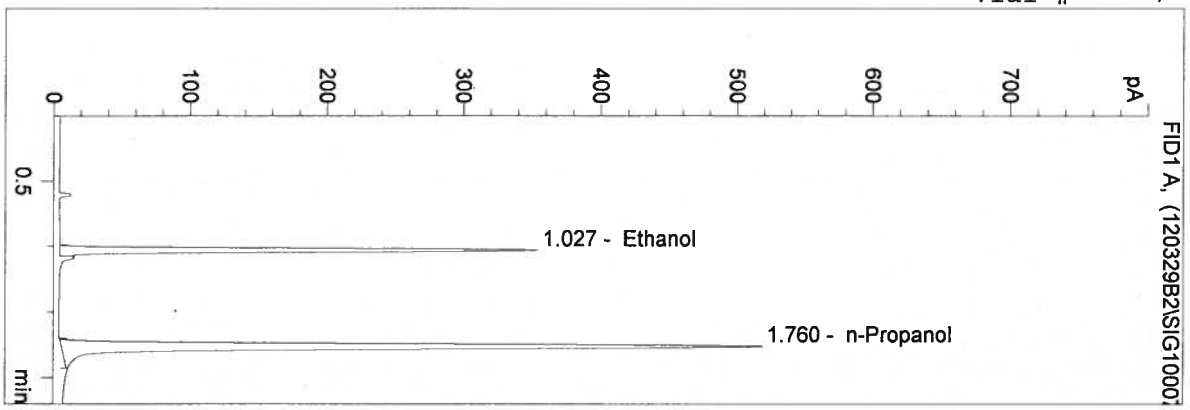
12016

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 2:57:04 PM
Instrument 3
DB-ALC2

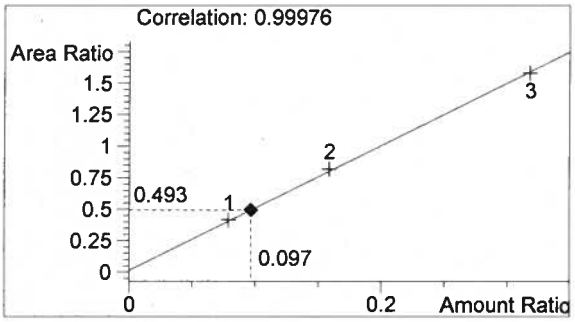
0.10 CTRL-BP
Brianna Peterson

vial # 7

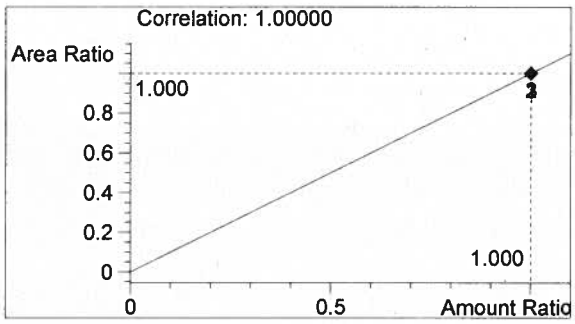


#	Compound	Area	RT
1	Ethanol	695	1.027
2	n-Propanol	1409	1.760

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

12015

12016

WASHINGTON STATE TOXICOLOGY LABORATORY

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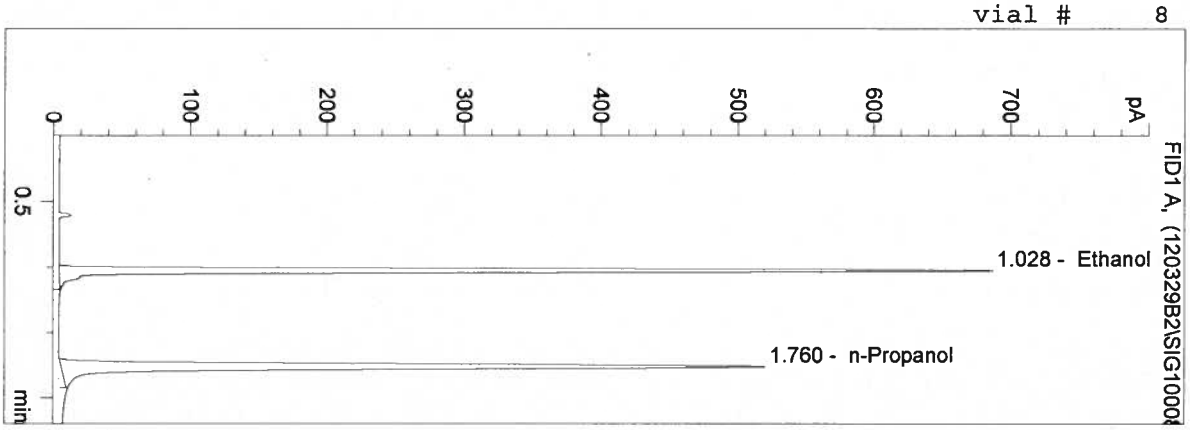
Instrument 3
DB-ALC2

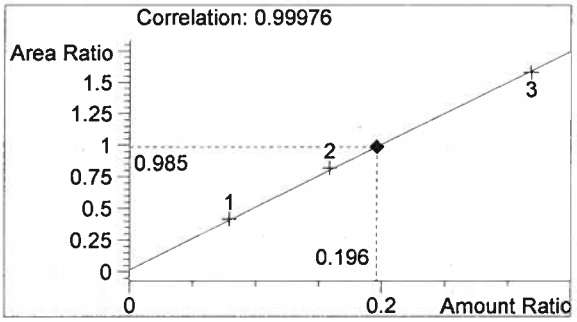
0.20 CTRL-BP
Brianna Peterson

vial # 8

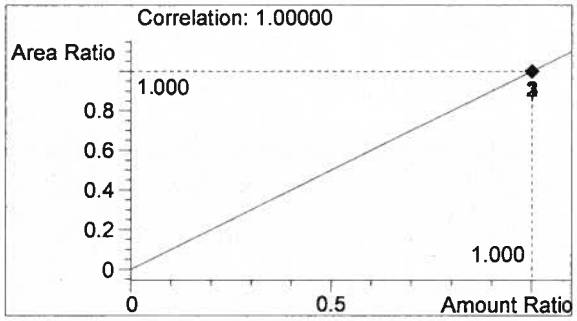


#	Compound	Area	RT
1	Ethanol	1390	1.028
2	n-Propanol	1411	1.760

Totals:



Ethanol 0.196 g/100ml



n-Propanol 1.000 g/100ml

12015 BP

12016

WASHINGTON STATE TOXICOLOGY LABORATORY

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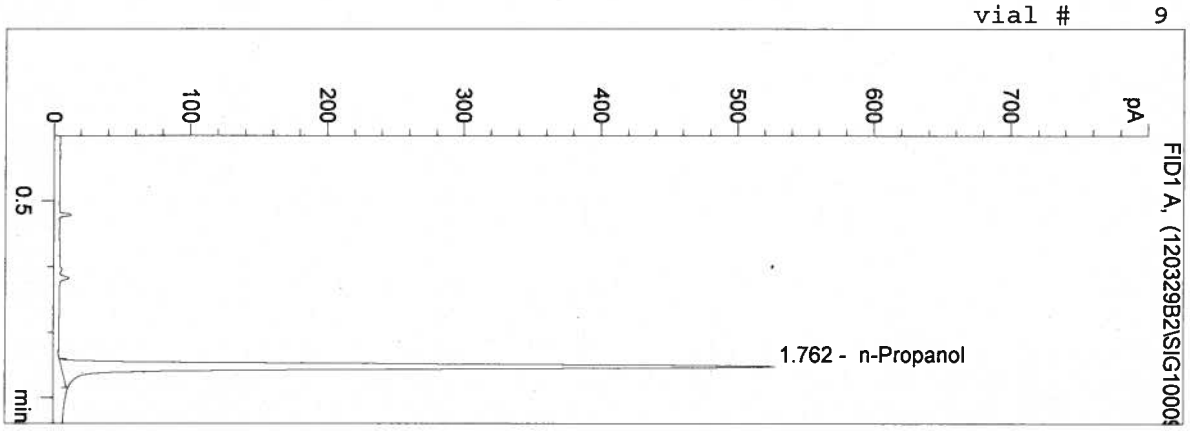
Instrument 3
DB-ALC2

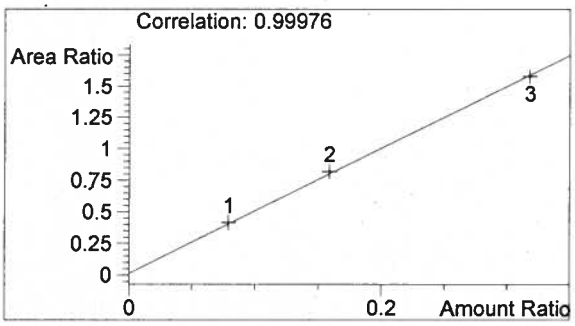
NEG CTRL-BP
Brianna Peterson

vial # 9

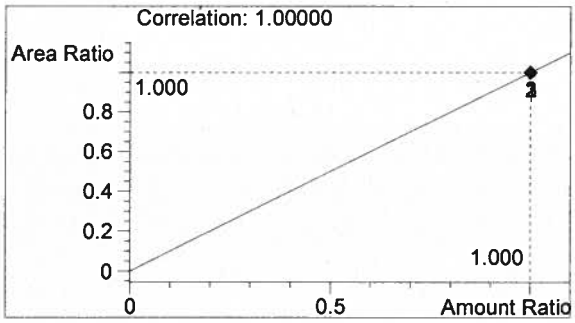


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1429	1.762

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12015 BP

12016

WASHINGTON STATE TOXICOLOGY LABORATORY

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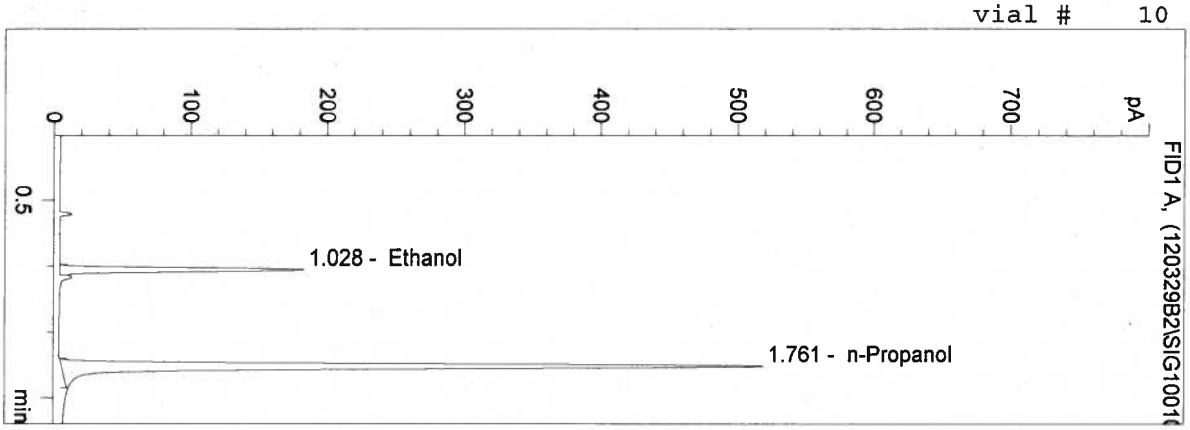
Instrument 3
DB-ALC2

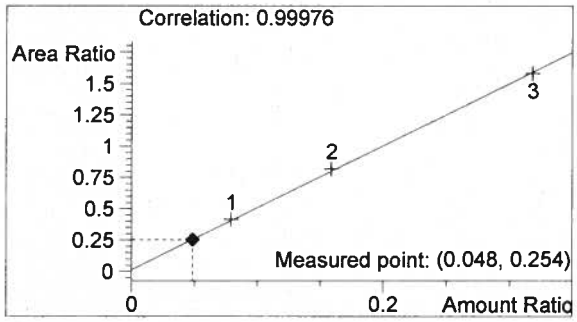
QAP 12015 #1
Brianna Peterson

vial # 10

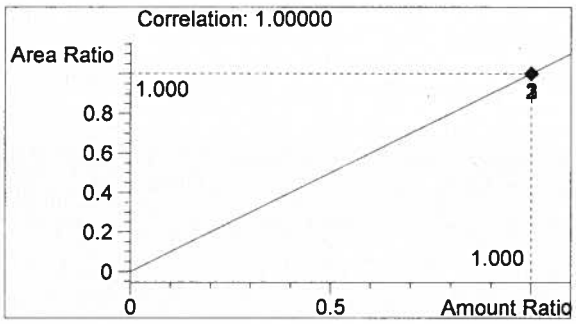


#	Compound	Area	RT
1	Ethanol	358	1.028
2	n-Propanol	1407	1.761

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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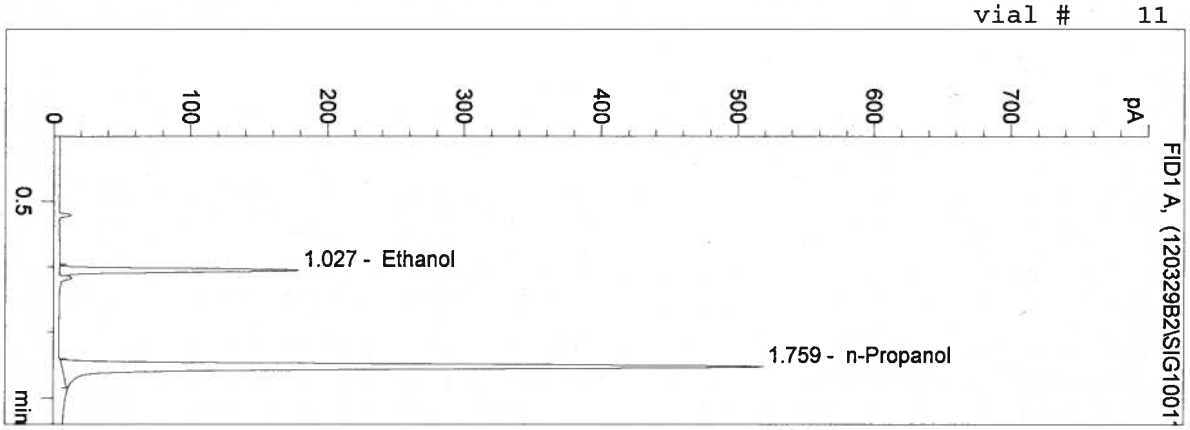
Instrument 3
DB-ALC2

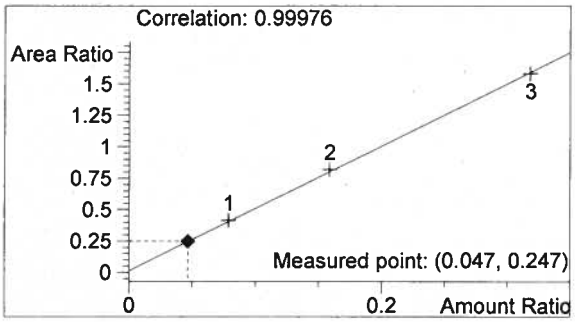
QAP 12015 #2
Brianna Peterson

vial # 11

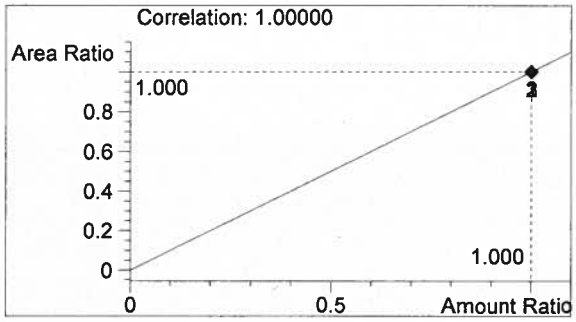


#	Compound	Area	RT
1	Ethanol	349	1.027
2	n-Propanol	1412	1.759

Totals:



Ethanol 0.047 g/100ml



n-Propanol 1.000 g/100ml

BG

WASHINGTON STATE TOXICOLOGY LABORATORY

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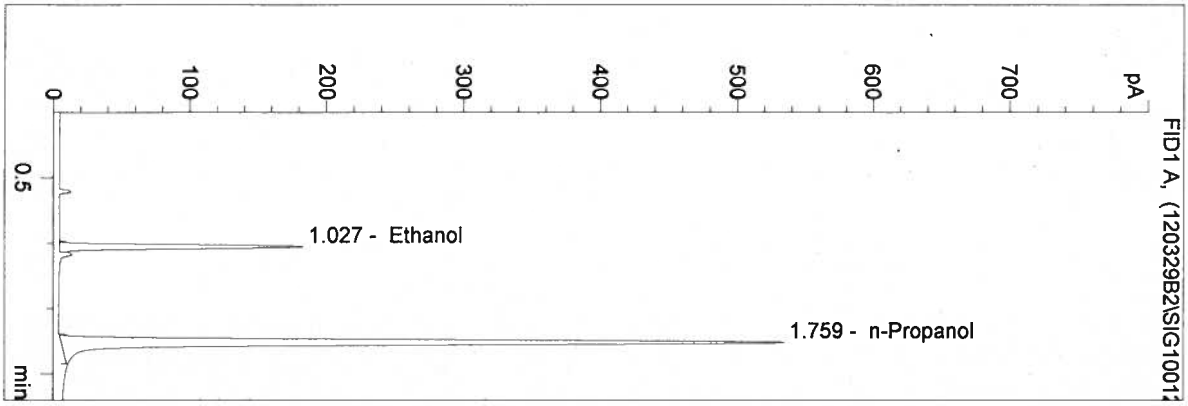
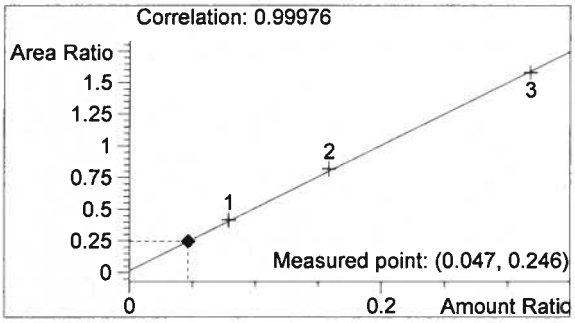
3/29/2012 3:12:42 PM
Instrument 3
DB-ALC2

QAP 12015 #3
Brianna Peterson

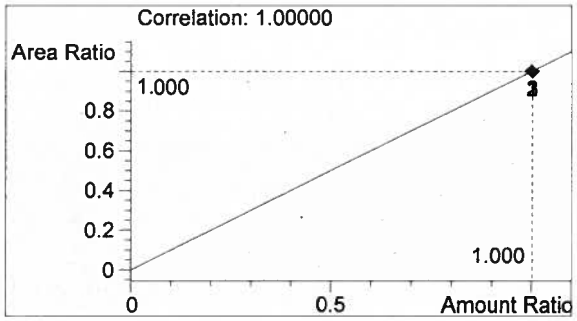
vial # 12



#	Compound	Area	RT
1	Ethanol	360	1.027
2	n-Propanol	1460	1.759
Totals:			



Ethanol 0.047 g/100ml



n-Propanol 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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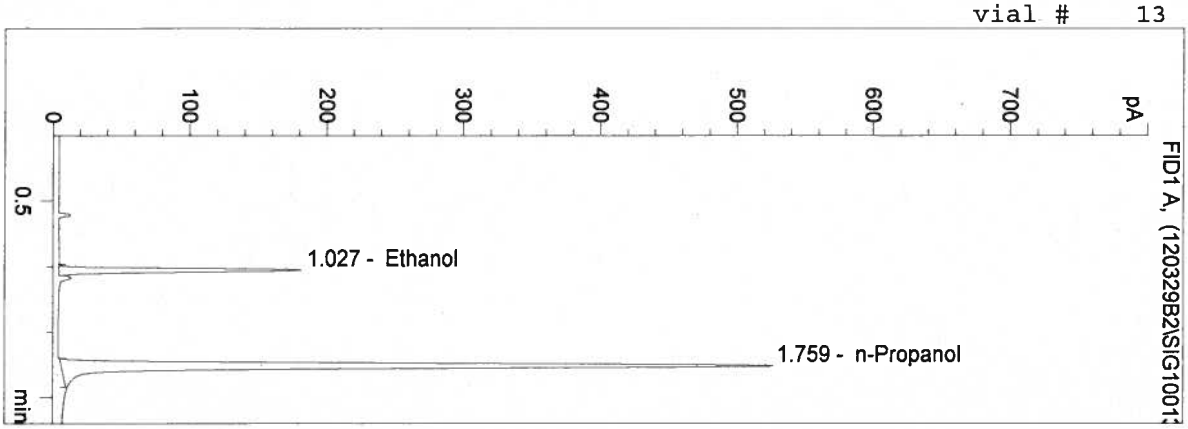
Instrument 3
DB-ALC2

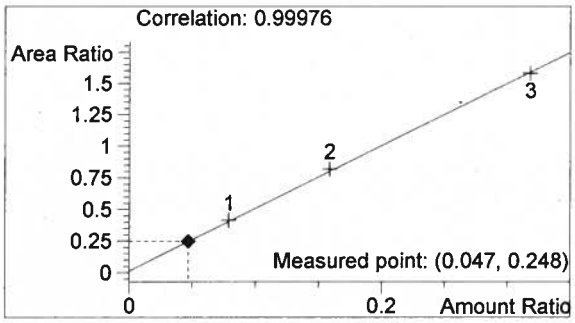
QAP 12015 #4
Brianna Peterson

vial # 13

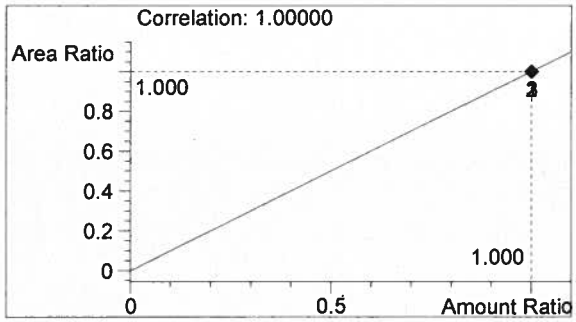


#	Compound	Area	RT
1	Ethanol	354	1.027
2	n-Propanol	1430	1.759

Totals:



Ethanol 0.047 g/100ml



n-Propanol 1.000 g/100ml

BP

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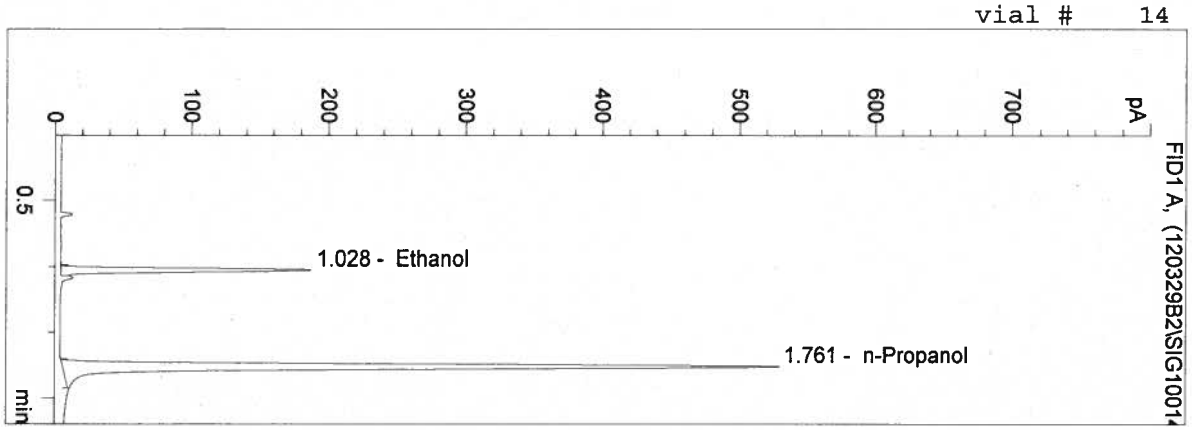
Instrument 3
DB-ALC2

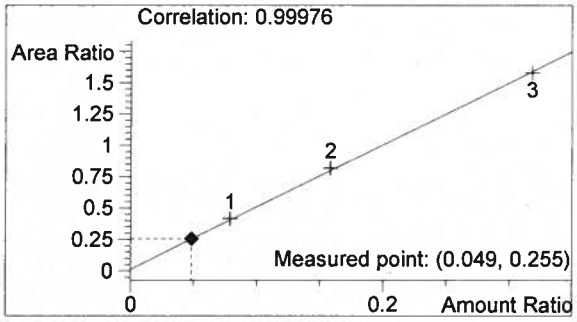
QAP 12015 #5
Brianna Peterson

vial # 14

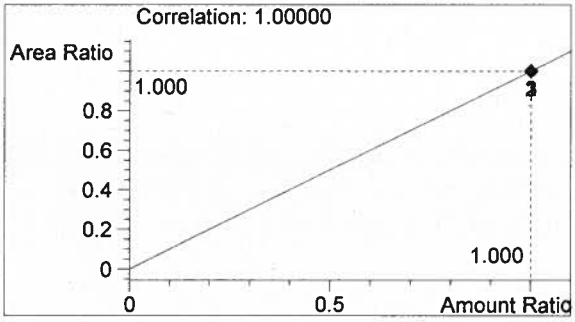


#	Compound	Area	RT
1	Ethanol	366	1.028
2	n-Propanol	1436	1.761

Totals:



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

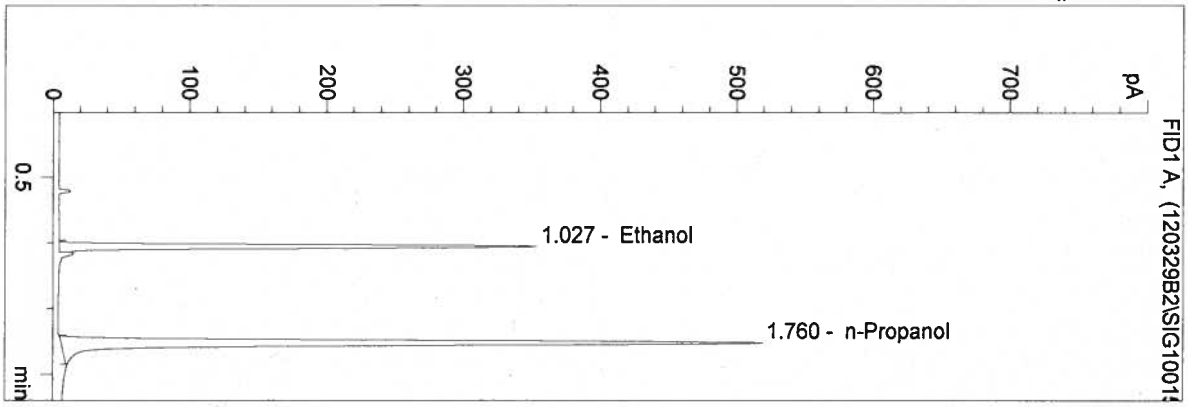
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/29/2012 3:22:05 PM
Instrument 3
DB-ALC2

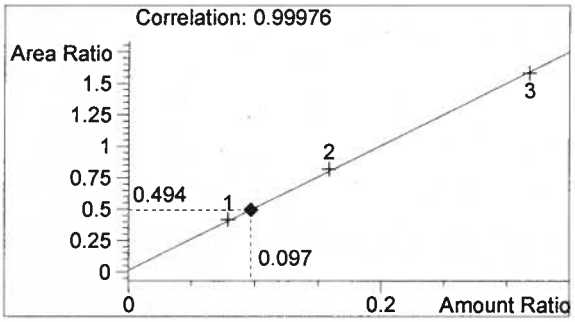
0.10 CTRL-BP
Brianna Peterson

vial # 15

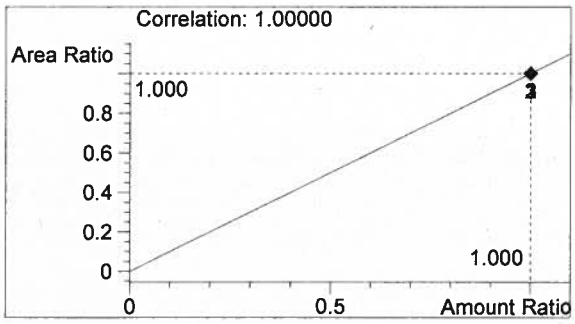


#	Compound	Area	RT
1	Ethanol	696	1.027
2	n-Propanol	1409	1.760

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

BP

12015

12015

WASHINGTON STATE TOXICOLOGY LABORATORY

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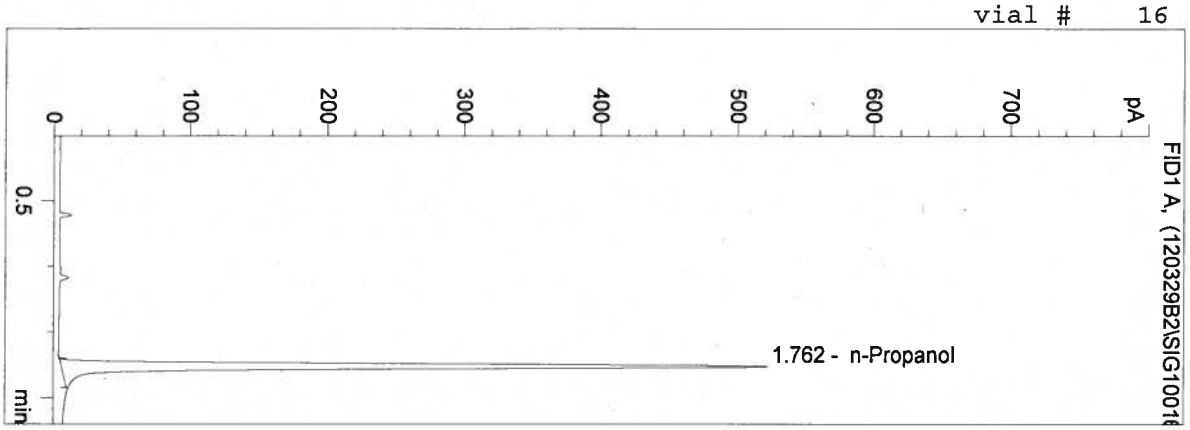
3/29/2012 3:25:12 PM
Instrument 3
DB-ALC2

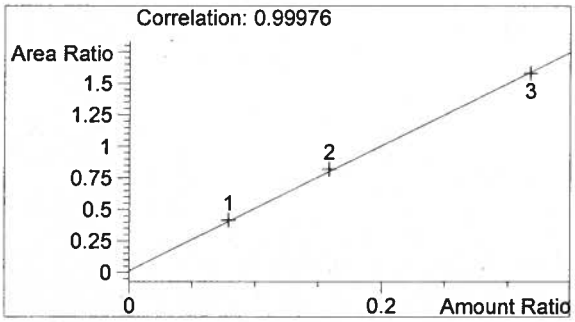
NEG CTRL-BP
Brianna Peterson

vial # 16

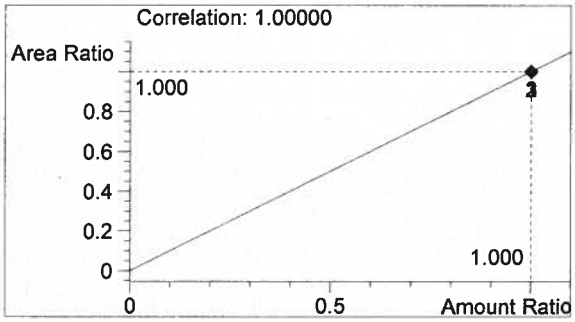


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1416	1.762

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

BS

12015