Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: KEN DENTON / ROD GULLBERG Date: 2/1/2010

Location: FLSB H.Q. Solution Batch Number: 09058

	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: R S Gullberg Date: 2-1-2010

Reviewer Signature: K.L. Denton Date: 2/1/2010

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 09058

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: 12/21/2009
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Brittany Ball

	BB	NN	CM
1	0.099	0.100	0.099
2	0.100	0.100	0.099
3	0.100	0.100	0.100
4	0.100	0.100	0.100
5	0.100	0.100	0.100
C	0.099	0.100	0.100

ETHANOL CONTROL INFORMATION
LOT NUMBER: A068384 EXPIRATION: 10/2013 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0998 g/100mL
STANDARD DEVIATION: 0.00041
PRECISION CV (%): 0.41
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0811 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 2-2-2010
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BB	Brittany Ball	Brittany Ball	12/21/2009
NN	Naziha Nuwayhid	Naziha N	12/21/2009
CM	Christie Mitchell	Christie Mitchell	12/23/2009

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 #: 09058 **Date Prepared:** 12/21/2009

Analyst:	BB	NN	CM
Date Tested:	12/21/2009	12/21/2009	12/23/2009
Instrument:	HS#3	HS#3	HS#3
1	0.099	0.100	0.099
2	0.100	0.100	0.099
3	0.100	0.100	0.100
4	0.100	0.100	0.100
5	0.100	0.100	0.100
C	0.099	0.100	0.100

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000084100	0.0000011474	0.0000111856	0.0000333333	0.0001016326

Average Solution Concentration: 0.0998 g/100mL
Standard Deviation: 0.00041 g/100mL
Precision CV (%): 0.41
Equivalent Vapor Concentration: 0.0811 g/210L
Combined Standard Uncertainty (±): 0.0010 g/210L

Ethanol Control Lot #: A068384
Control Uncertainty (%): 0.29
Maximum (-) Control Bias: 0.001
Maximum (+) Control Bias: 0.000

Calculations performed by: Melissa L. Pemberton [signature] 1-25-2010
Name Signature Date

Calculations verified by: Rod G. Gullberg [signature] 2-1-2010 Method: EXCEL
Name Signature Date

Tech. review performed by: Melissa L. Pemberton [signature] 2-2-2010
Name Signature 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		
Brianne O'Reilly		
Brittany Ball	BB	1/27/2010
Christie Mitchell	CM	1/26/2010
Christopher Johnston		
Gwynyth Almendarez		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid	NN	1/27/2010
Rebecca Flaherty		
Sarah Swenson		

Batch # E09058

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 QAP SOLUTION CERTIFICATION FOR LOT 09058

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 nine years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The qap solution, Lot Number 09058, was prepared in the Washington State Toxicology Laboratory on 12/21/2009. 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 12/21/2010.

Seattle, WA

1.27.10

Naziha Nuwayhid Date
Forensic Toxicologist

NN/ik

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 QAP SOLUTION CERTIFICATION FOR LOT 09058

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

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

I possess the following qualifications: BA degree in Chemistry and MFS degree in Forensic Science.

The qap solution, Lot Number 09058, was prepared in the Washington State Toxicology Laboratory on 12/21/2009. 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 12/21/2010.

Seattle, WA

Christie Mitchell 1/26/2010

Christie Mitchell Date

Forensic Toxicologist

CM/ik

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 QAP SOLUTION CERTIFICATION FOR LOT 09058

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 qap solution, Lot Number 09058, was prepared in the Washington State Toxicology Laboratory on 12/21/2009. 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 12/21/2010.

Seattle, WA

Brittany Ball 1/27/2010

Brittany Ball — Date

Forensic Toxicologist

BB/ik

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:	091221BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A068384 - exp 10/2013
0.20 Control - Lot # A068386 - exp 10/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL-BB	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-BB	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-BB	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-BB	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL-BB	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP0.04 09057 #1	SIMALC	1	Sample		
11	Vial 11	QAP0.04 09057 #2	SIMALC	1	Sample		
12	Vial 12	QAP0.04 09057 #3	SIMALC	1	Sample		
13	Vial 13	QAP0.04 09057 #4	SIMALC	1	Sample		
14	Vial 14	QAP0.04 09057 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL-BB	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL-BB	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP0.08 09058 #1	SIMALC	1	Sample		
18	Vial 18	QAP0.08 09058 #2	SIMALC	1	Sample		
19	Vial 19	QAP0.08 09058 #3	SIMALC	1	Sample		
20	Vial 20	QAP0.08 09058 #4	SIMALC	1	Sample		
21	Vial 21	QAP0.08 09058 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL-BB	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL-BB	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP0.10 09059 #1	SIMALC	1	Sample		
25	Vial 25	QAP0.10 09059 #2	SIMALC	1	Sample		
26	Vial 26	QAP0.10 09059 #3	SIMALC	1	Sample		
27	Vial 27	QAP0.10 09059 #4	SIMALC	1	Sample		
28	Vial 28	QAP0.10 09059 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL-BB	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL-BB	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP0.15 09060 #1	SIMALC	1	Sample		
32	Vial 32	QAP0.15 09060 #2	SIMALC	1	Sample		

calibrator + control data in QAP folder 09057 BB

09058

Sequence: C:\HPCHEM\1\SEQUENCE\BBQAPS.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.15 09060 #3	SIMALC	1	Sample		
34	Vial 34	QAP0.15 09060 #4	SIMALC	1	Sample		
35	Vial 35	QAP0.15 09060 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL-BB	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL-BB	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

BB

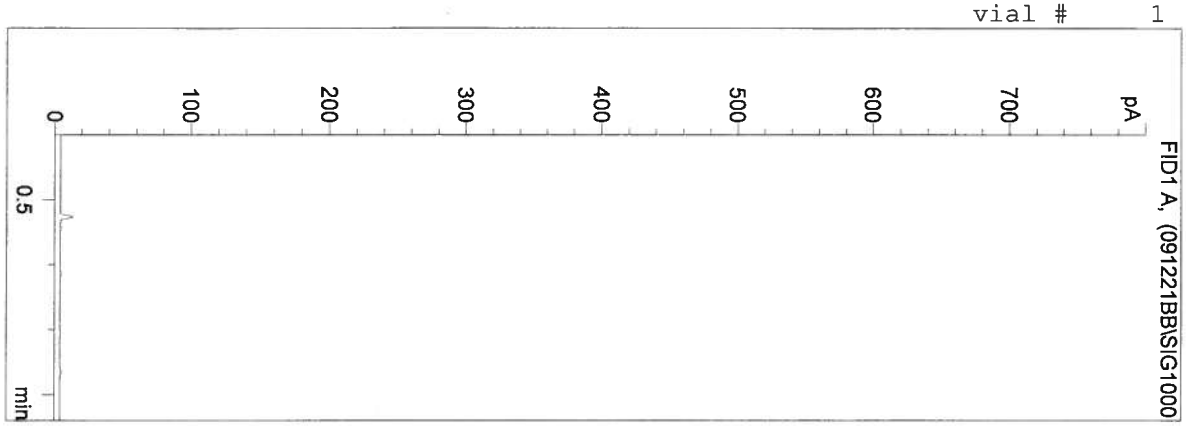
09058

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:11:43 PM
Instrument 3
db-alc2

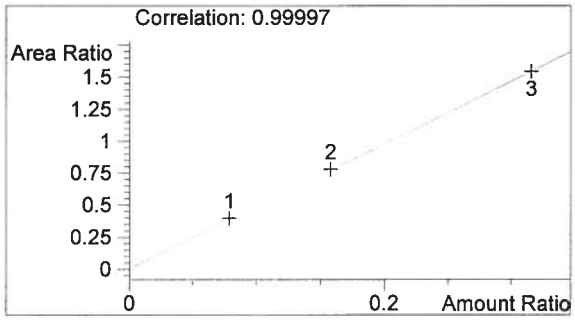
BLANK
Brittany Ball

vial # 1

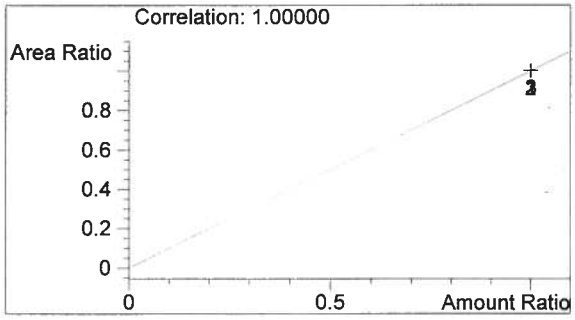


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

BB

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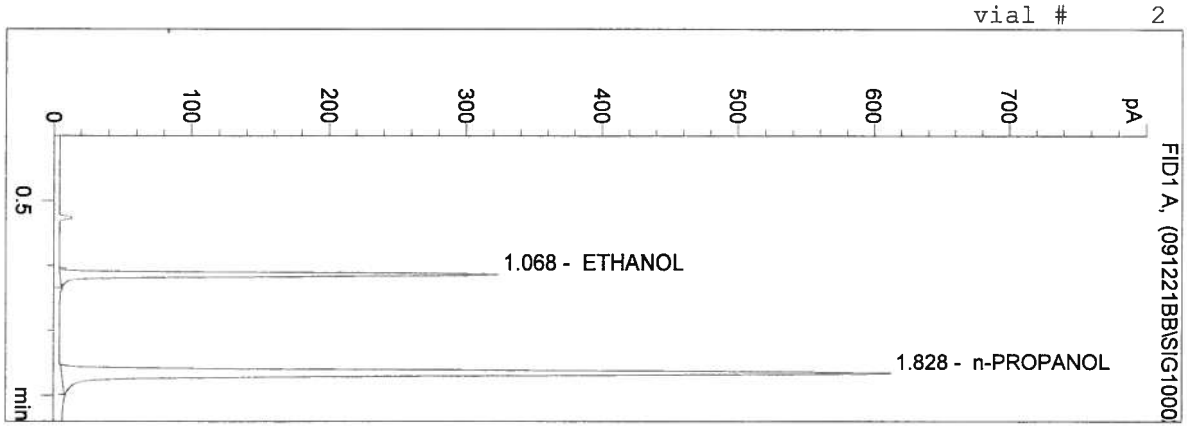
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:14:51 PM
Instrument 3
db-alc2

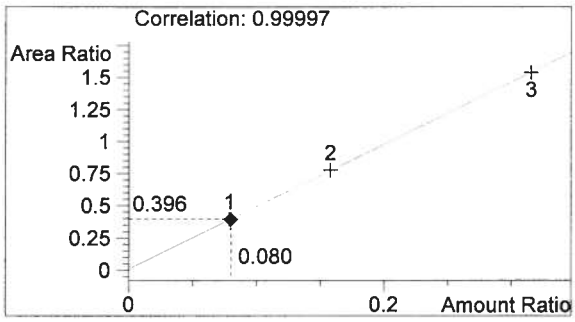
0.079 CAL 1
Brittany Ball

vial # 2

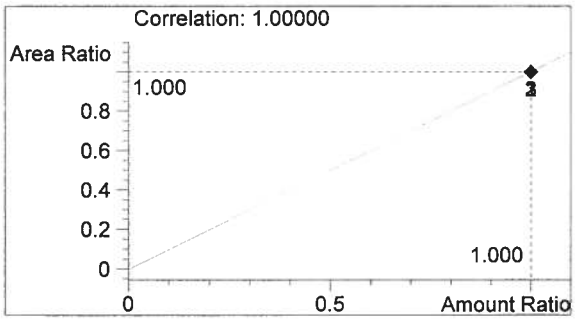


#	Compound	Area	RT
1	ETHANOL	691	1.068
2	n-PROPANOL	1744	1.828

Totals:



ETHANOL 0.080 g/100ml



n-PROPANOL 1.000 g/100ml

09057
09058
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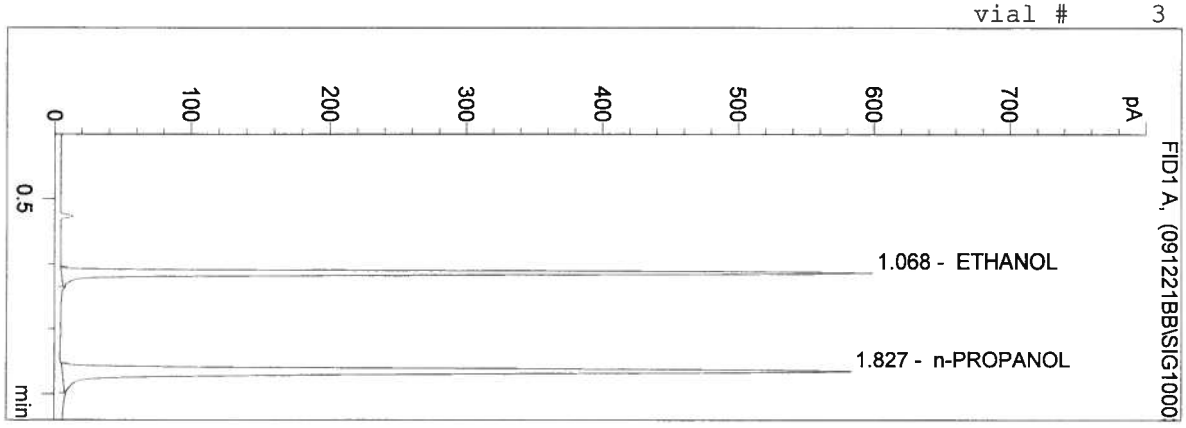
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:17:58 PM
Instrument 3
db-alc2

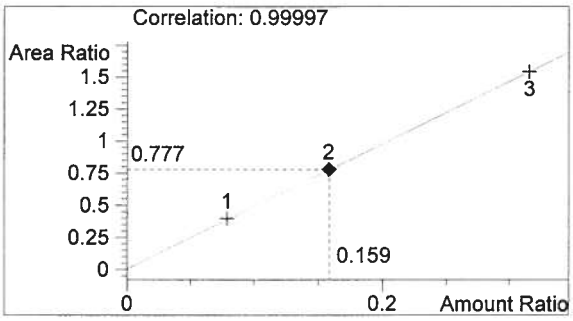
0.158 CAL 2
Brittany Ball

vial # 3

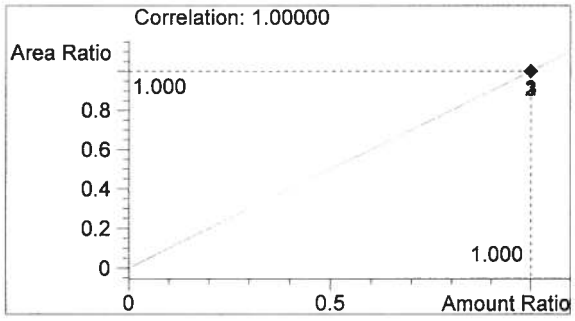


#	Compound	Area	RT
1	ETHANOL	1290	1.068
2	n-PROPANOL	1660	1.827

Totals:



ETHANOL 0.159 g/100ml



n-PROPANOL 1.000 g/100ml

BB

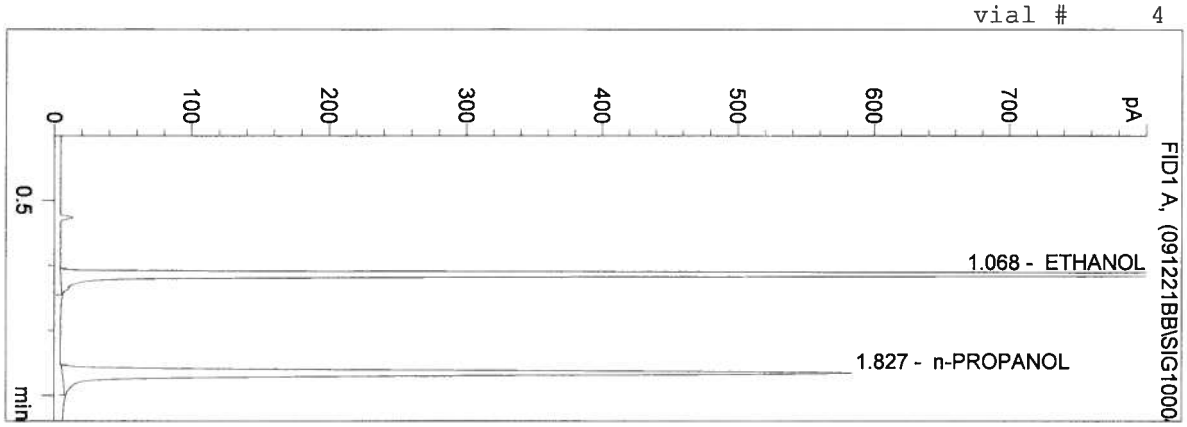
09057

09058
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

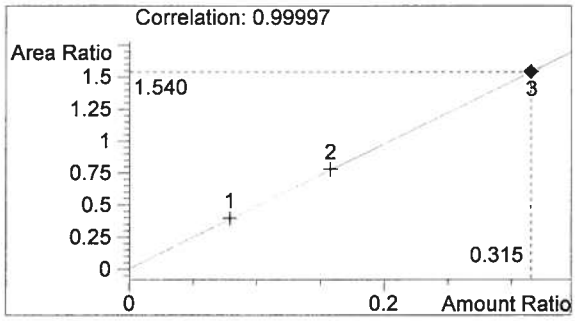
C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:21:06 PM
Instrument 3
db-alc2

0.316 CAL 3
Brittany Ball
vial # 4

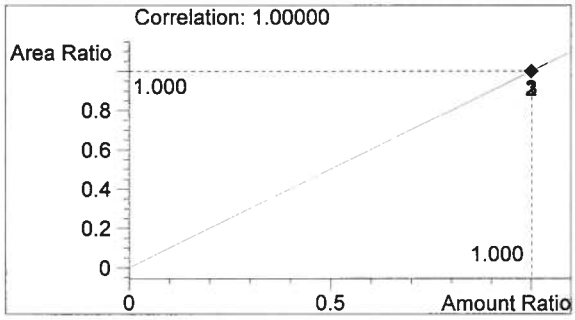


#	Compound	Area	RT
1	ETHANOL	2556	1.068
2	n-PROPANOL	1659	1.827

Totals:



ETHANOL 0.315 g/100ml



n-PROPANOL 1.000 g/100ml

BB

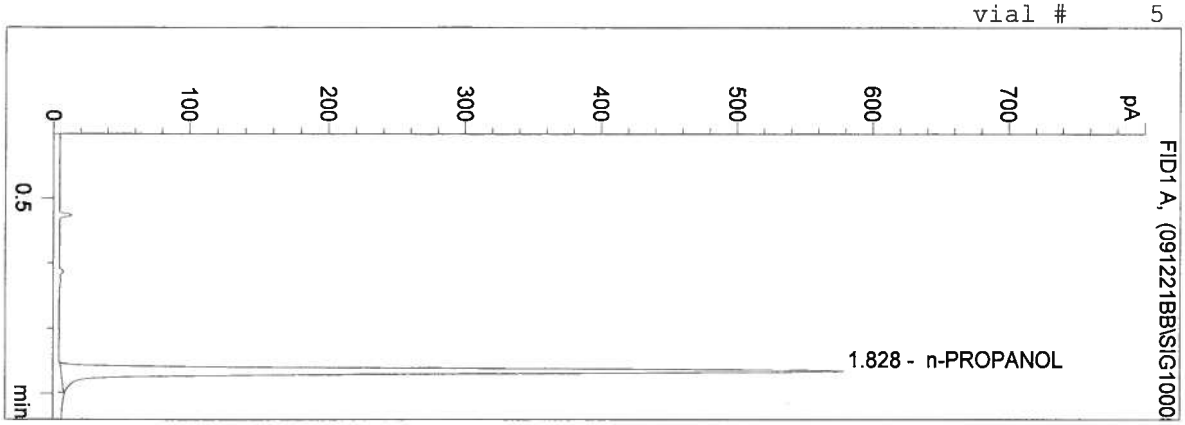
09057
09058
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:24:14 PM
Instrument 3
db-alc2

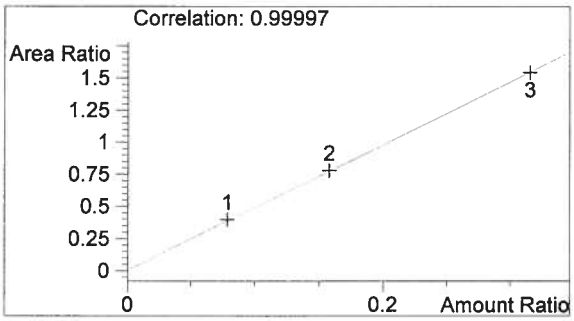
NEG CTRL-BB
Brittany Ball

vial # 5

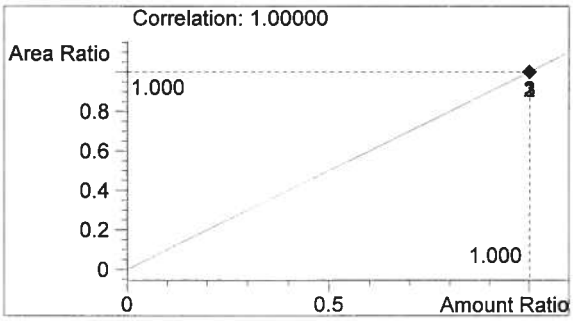


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1650	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

BB

09057
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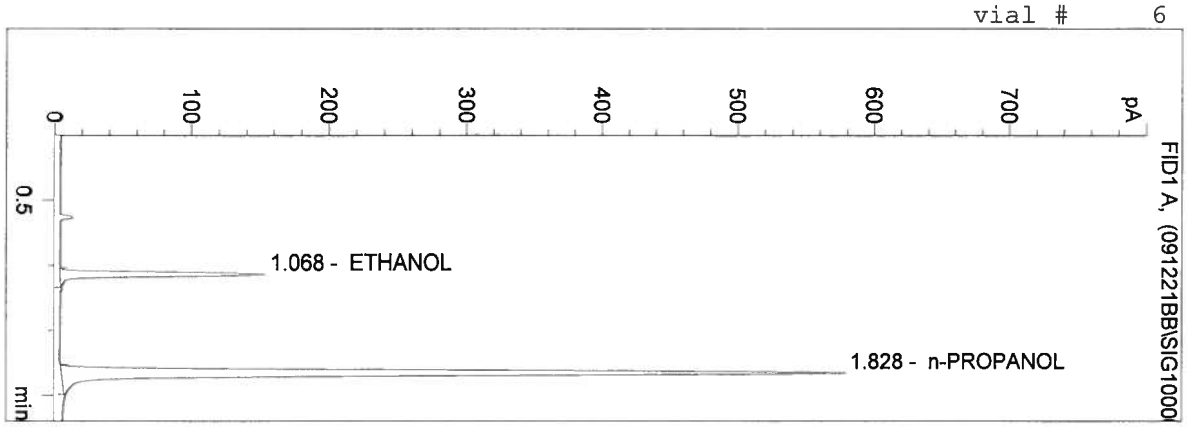
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:27:22 PM
Instrument 3
db-alc2

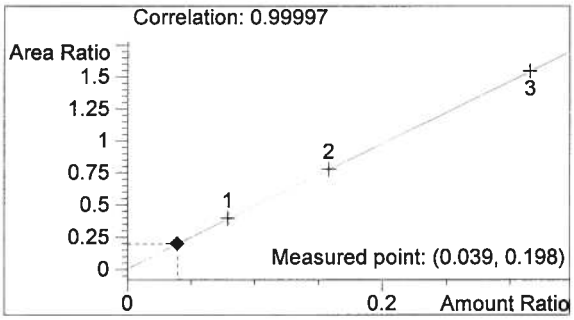
0.04 CTRL-BB
Brittany Ball

vial # 6

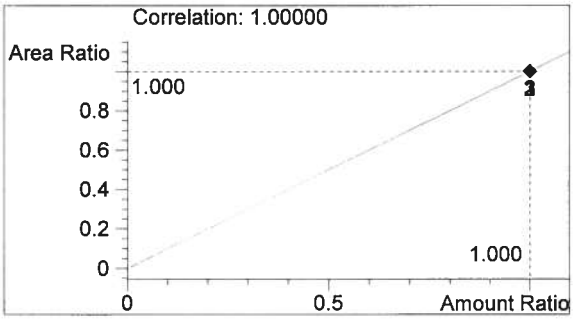


#	Compound	Area	RT
1	ETHANOL	326	1.068
2	n-PROPANOL	1650	1.828

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

BB

09057
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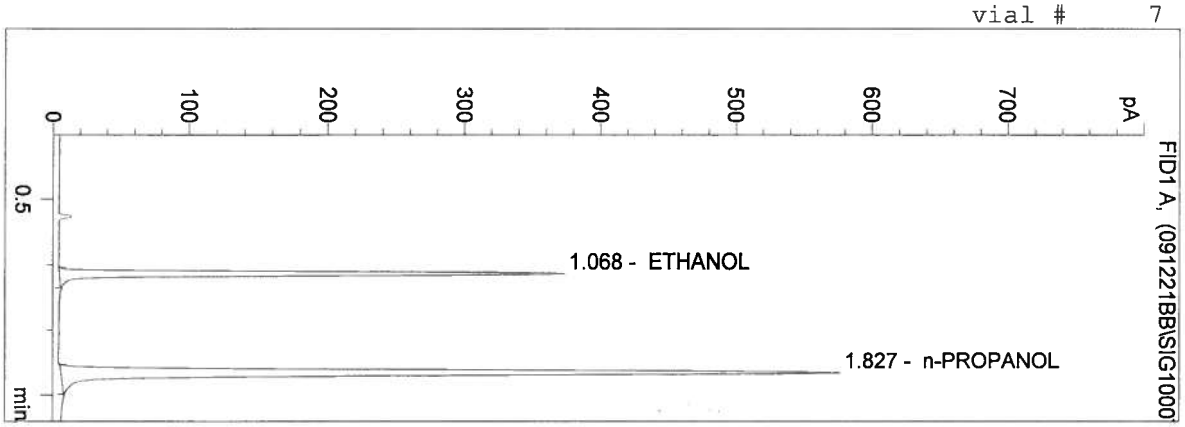
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:30:30 PM
Instrument 3
db-alc2

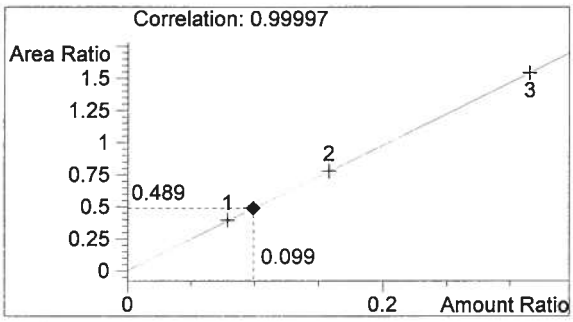
0.10 CTRL-BB
Brittany Ball

vial # 7

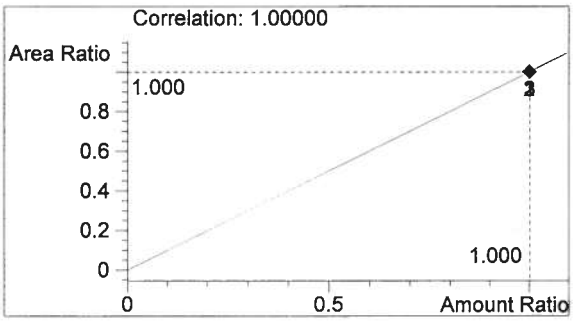


#	Compound	Area	RT
1	ETHANOL	803	1.068
2	n-PROPANOL	1642	1.827

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

BB

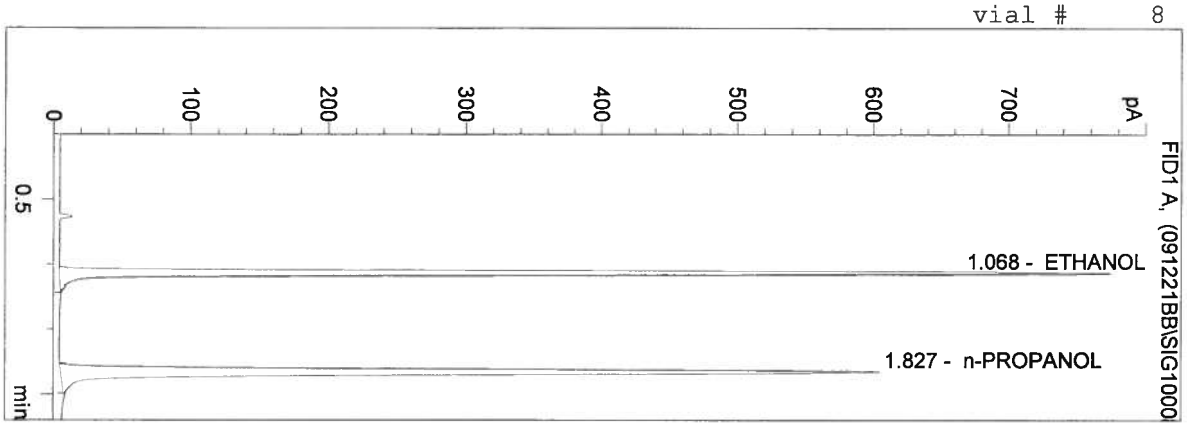
09057
09058
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 1:33:42 PM
Instrument 3
db-alc2

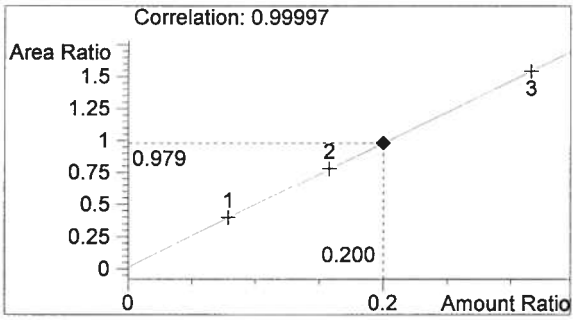
0.20 CTRL-BB
Brittany Ball

vial # 8

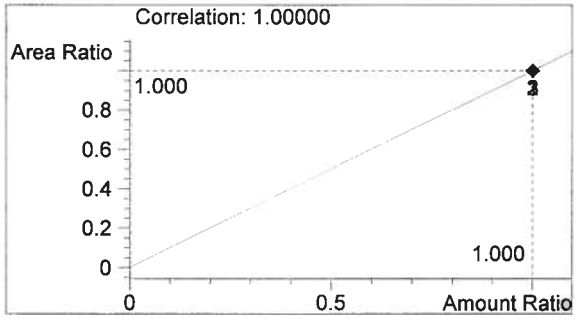


#	Compound	Area	RT
1	ETHANOL	1693	1.068
2	n-PROPANOL	1729	1.827

Totals:



ETHANOL 0.200 g/100ml



n-PROPANOL 1.000 g/100ml

BB

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09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
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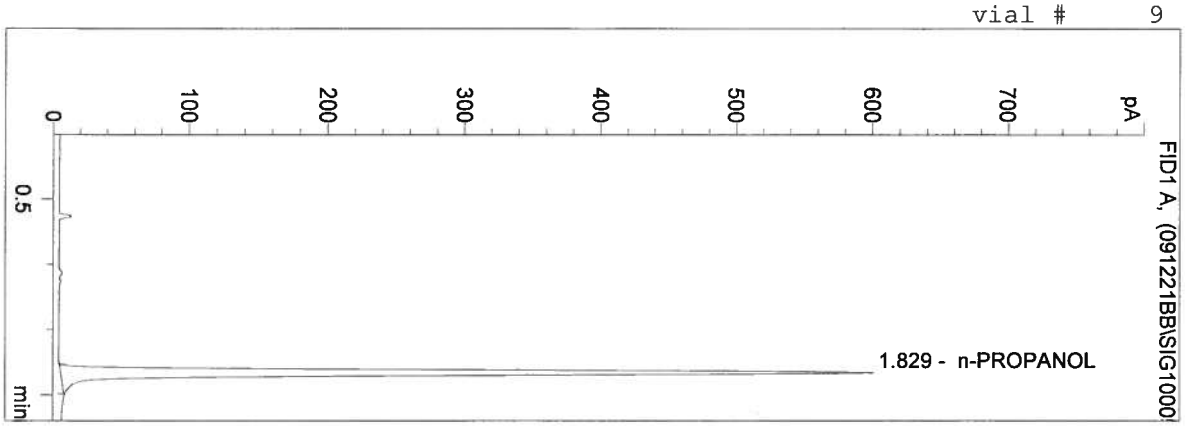
Instrument 3
db-alc2

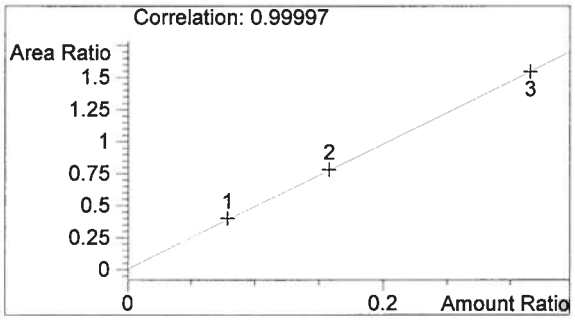
NEG CTRL-BB
Brittany Ball

vial # 9

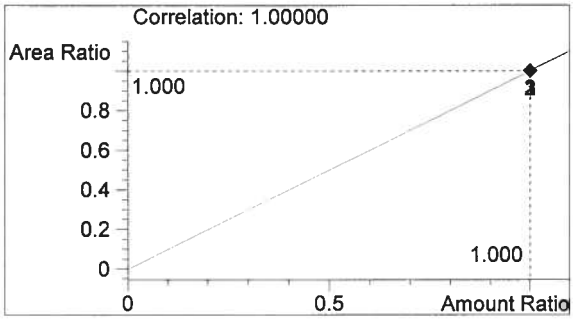


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1712	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

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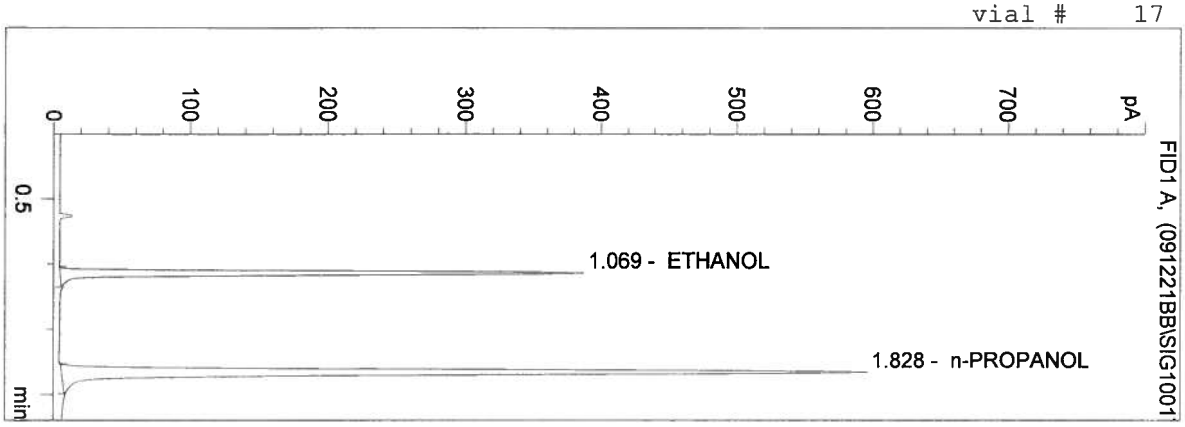
12/21/2009 2:01:47 PM
Instrument 3
db-alc2

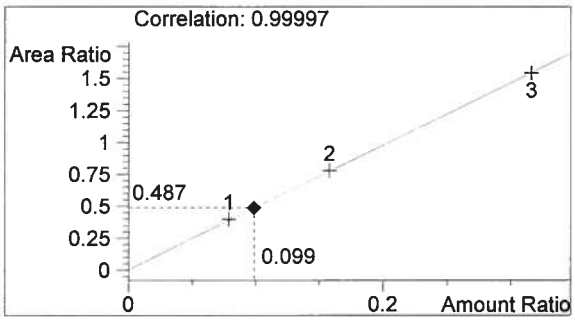
QAP0.08 09058 #1
Brittany Ball

vial # 17

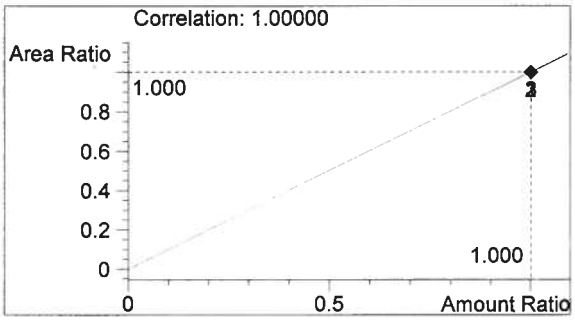


#	Compound	Area	RT
1	ETHANOL	825	1.069
2	n-PROPANOL	1694	1.828

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

BB

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WASHINGTON STATE TOXICOLOGY LABORATORY

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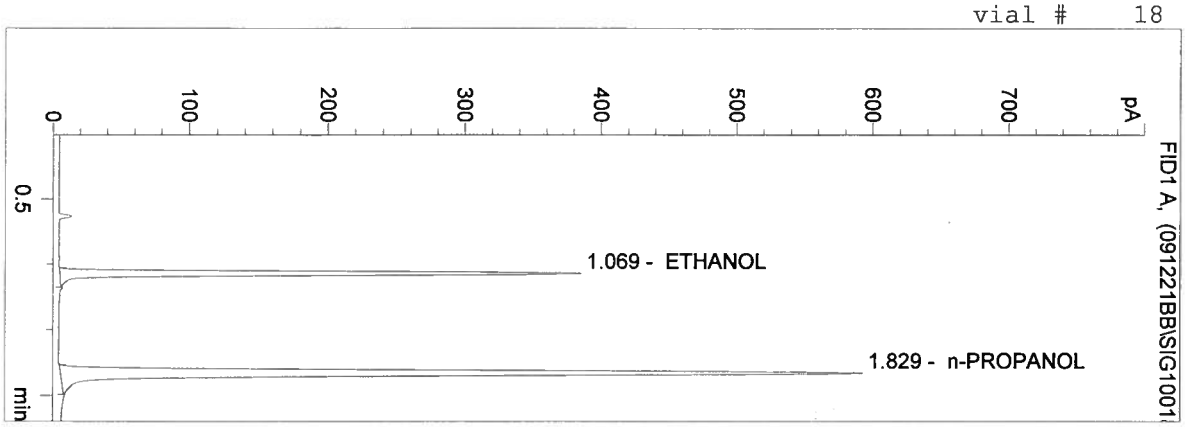
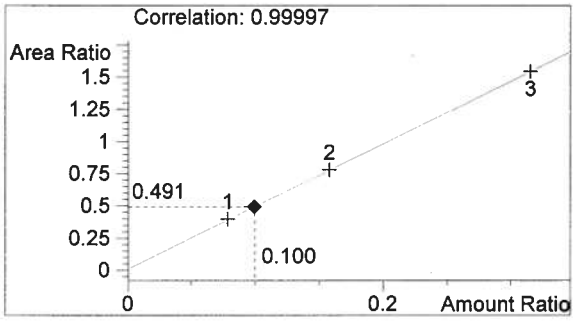
Instrument 3
db-alc2

QAP0.08 09058 #2
Brittany Ball

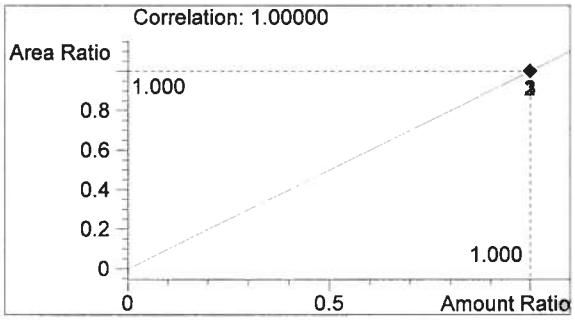
vial # 18



#	Compound	Area	RT
1	ETHANOL	829	1.069
2	n-PROPANOL	1690	1.829
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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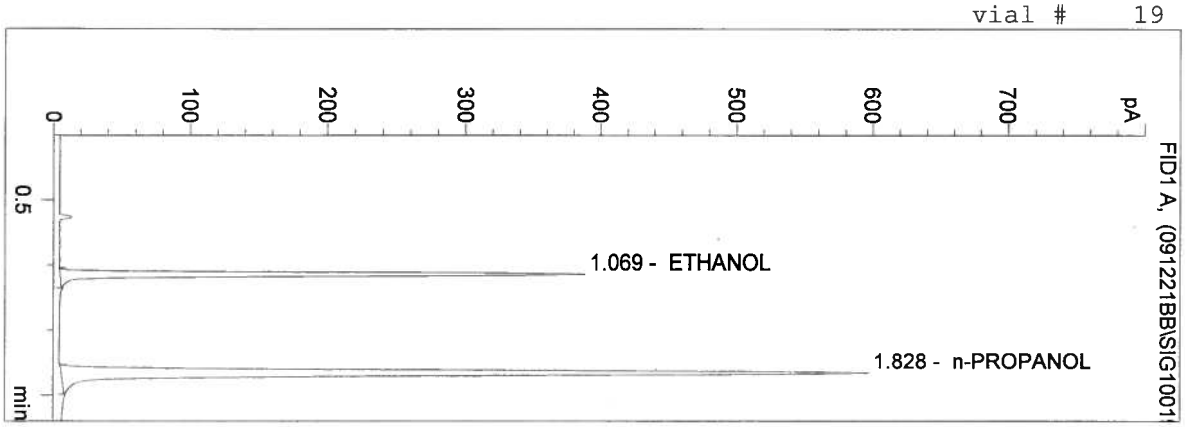
Instrument 3
db-alc2

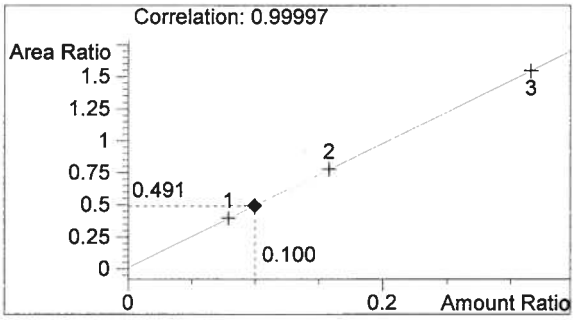
QAP0.08 09058 #3
Brittany Ball

vial # 19

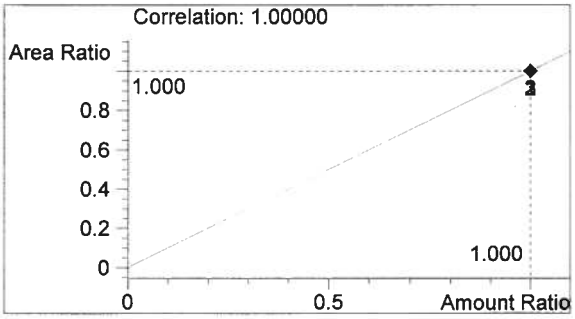


#	Compound	Area	RT
1	ETHANOL	836	1.069
2	n-PROPANOL	1702	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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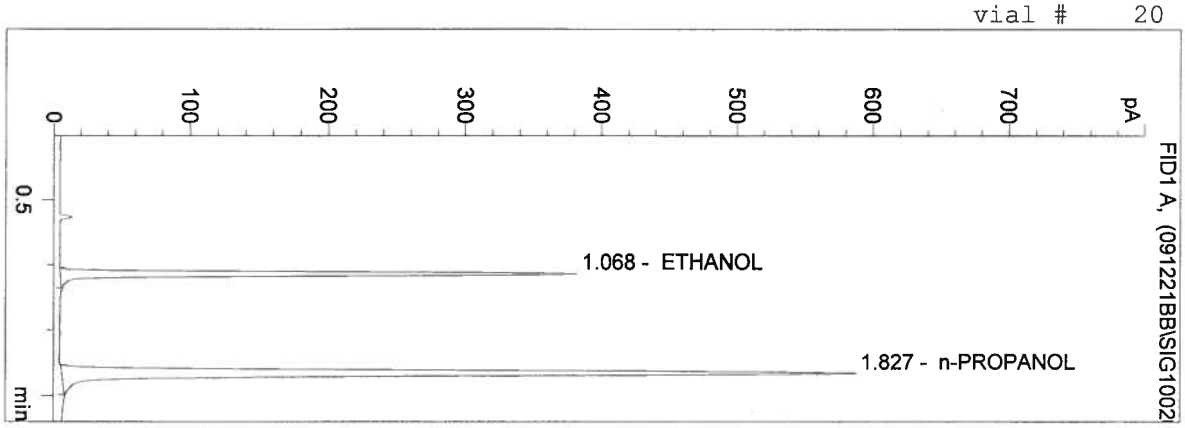
Instrument 3
db-alc2

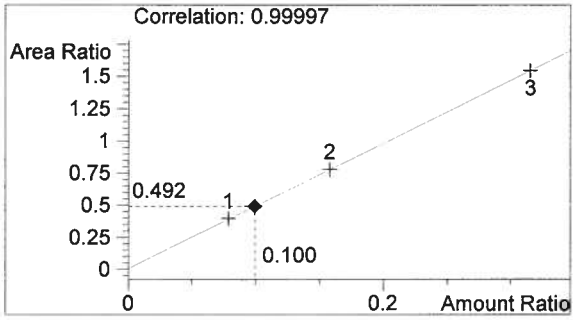
QAP0.08 09058 #4
Brittany Ball

vial # 20

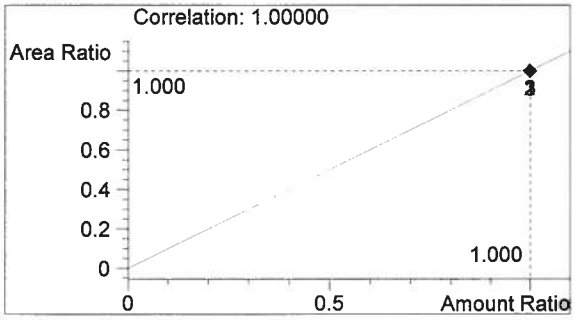


#	Compound	Area	RT
1	ETHANOL	824	1.068
2	n-PROPANOL	1676	1.827

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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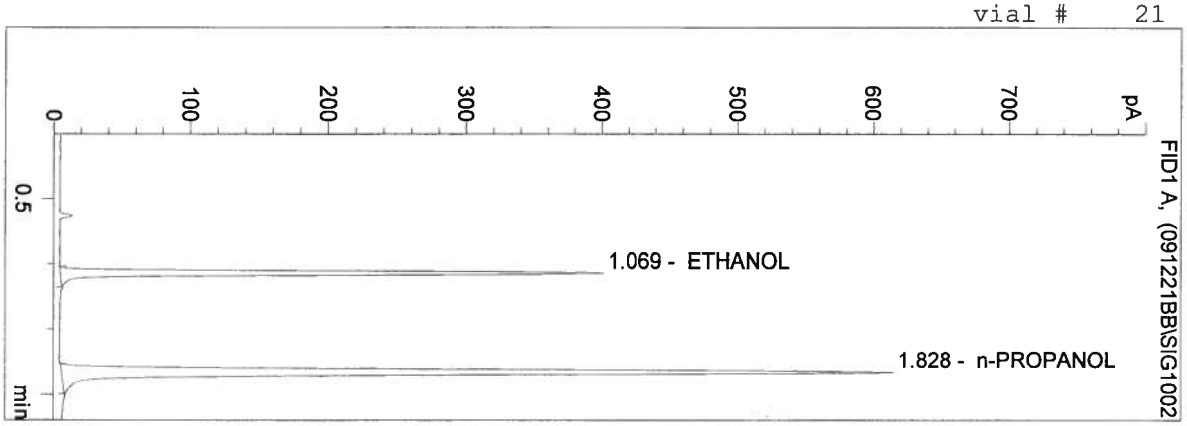
Instrument 3
db-alc2

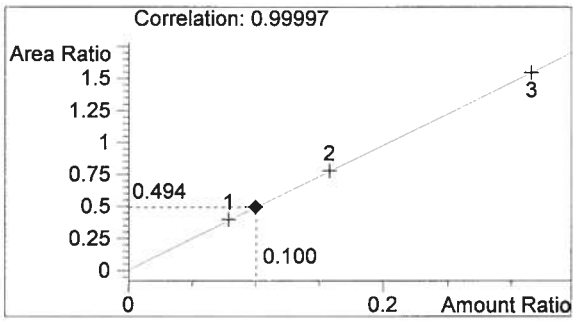
QAP0.08 09058 #5
Brittany Ball

vial # 21

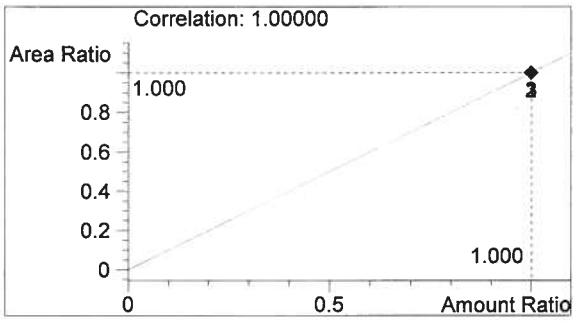


#	Compound	Area	RT
1	ETHANOL	868	1.069
2	n-PROPANOL	1757	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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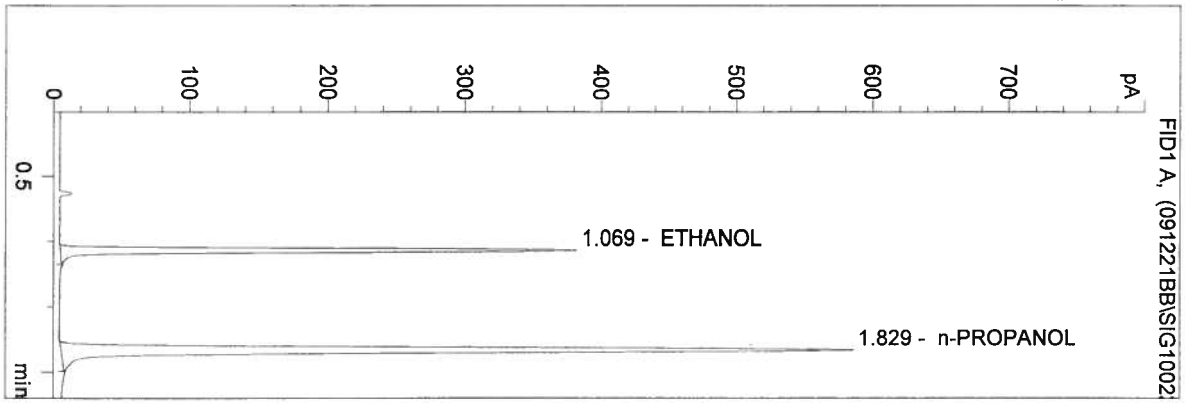
Instrument 3
db-alc2

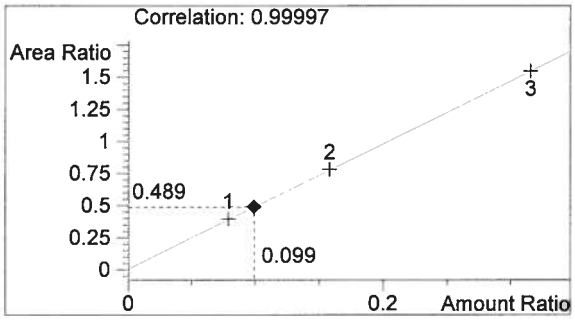
0.10 CTRL-BB
Brittany Ball

vial # 22

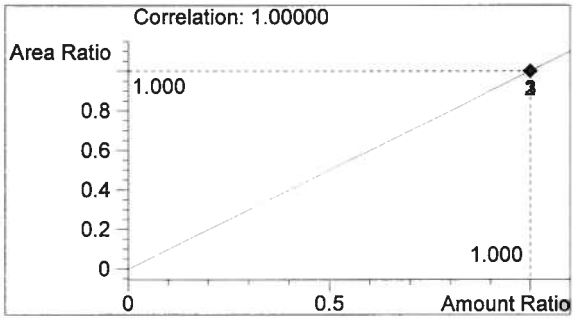


#	Compound	Area	RT
1	ETHANOL	816	1.069
2	n-PROPANOL	1669	1.829

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

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09058

WASHINGTON STATE TOXICOLOGY LABORATORY

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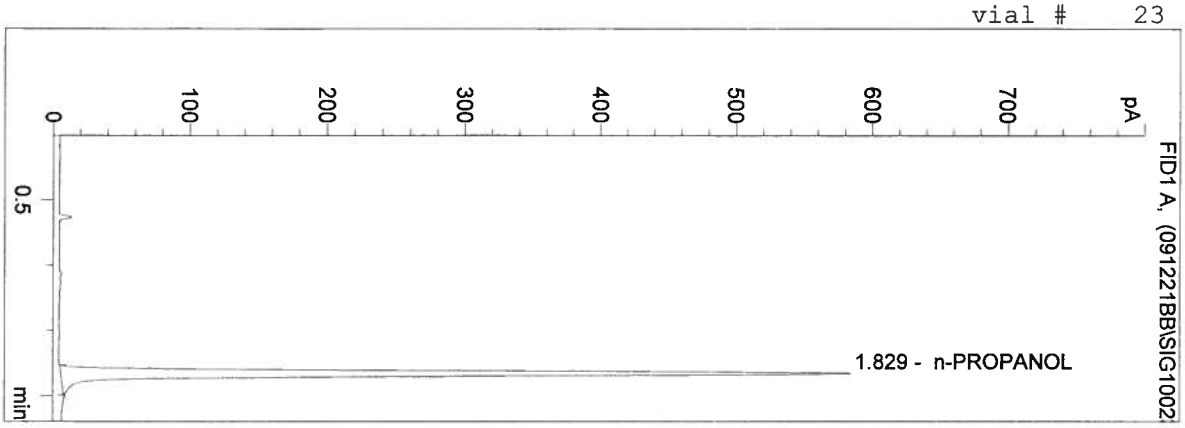
Instrument 3
db-alc2

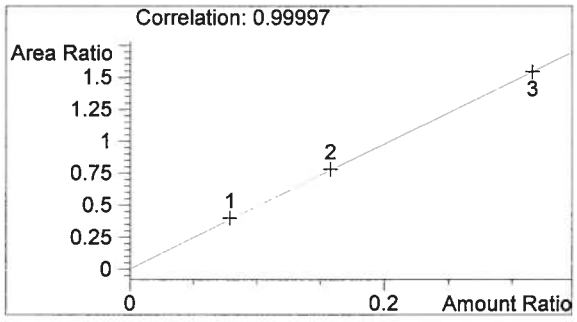
NEG CTRL-BB
Brittany Ball

vial # 23

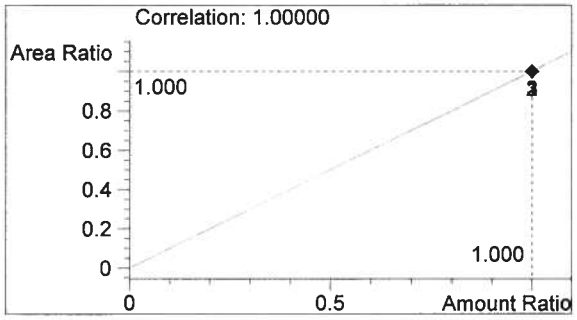


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1664	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

BB

09058

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:	091221NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A068384 - exp 10/2013
0.20 Control - Lot # A068386 - exp 10/2013

Results for calibrators & controls (vial 1 – 9) are stored with ESS 09056. NN 12/21/09

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL3	SIMALC	1	Calib		
5	Vial 5	NEG CTL-NN	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTL-NN	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTL-NN	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTL-NN	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTL-NN	SIMALC	1	Ctrl Samp		
10	Vial 10	ESS 09056-1	SIMALC	1	Sample		
11	Vial 11	ESS 09056-2	SIMALC	1	Sample		
12	Vial 12	ESS 09056-3	SIMALC	1	Sample		
13	Vial 13	ESS 09056-4	SIMALC	1	Sample		
14	Vial 14	ESS 09056-5	SIMALC	1	Sample		
15	Vial 15	0.10 CTL-NN	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTL-NN	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP 09058-1	SIMALC	1	Sample		
18	Vial 18	QAP 09058-2	SIMALC	1	Sample		
19	Vial 19	QAP 09058-3	SIMALC	1	Sample		
20	Vial 20	QAP 09058-4	SIMALC	1	Sample		
21	Vial 21	QAP 09058-5	SIMALC	1	Sample		
22	Vial 22	0.10 CTL-NN	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTL-NN	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP 09059-1	SIMALC	1	Sample		
25	Vial 25	QAP 09059-2	SIMALC	1	Sample		
26	Vial 26	QAP 09059-3	SIMALC	1	Sample		
27	Vial 27	QAP 09059-4	SIMALC	1	Sample		
28	Vial 28	QAP 09059-5	SIMALC	1	Sample		
29	Vial 29	0.10 CTL-NN	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTL-NN	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP 09060-1	SIMALC	1	Sample		
32	Vial 32	QAP 09060-2	SIMALC	1	Sample		

09058

12/21/09 NN

Sequence: C:\HPCHEM\1\SEQUENCE\NNEXTQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 09060-3	SIMALC	1	Sample		
34	Vial 34	QAP 09060-4	SIMALC	1	Sample		
35	Vial 35	QAP 09060-5	SIMALC	1	Sample		
36	Vial 36	0.10 CTL-NN	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTL-NN	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

09058

12/21/09 NW

WASHINGTON STATE TOXICOLOGY LABORATORY

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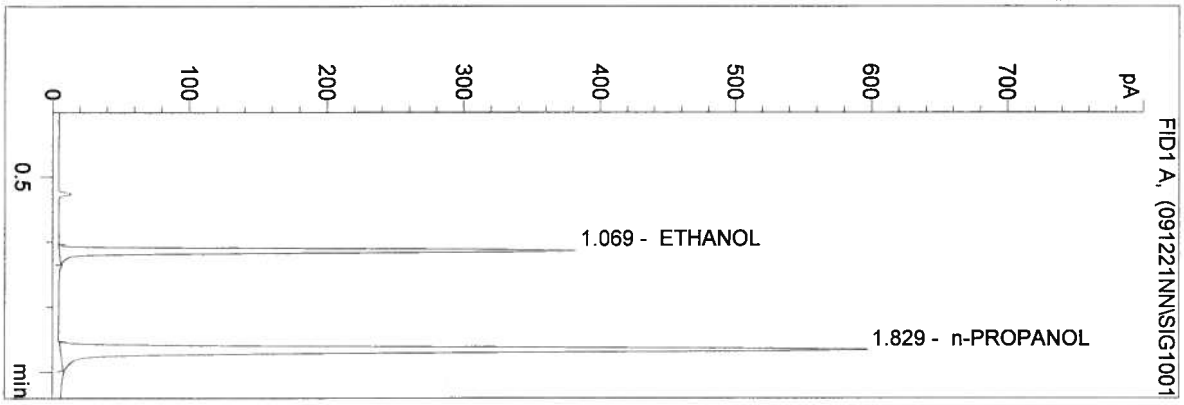
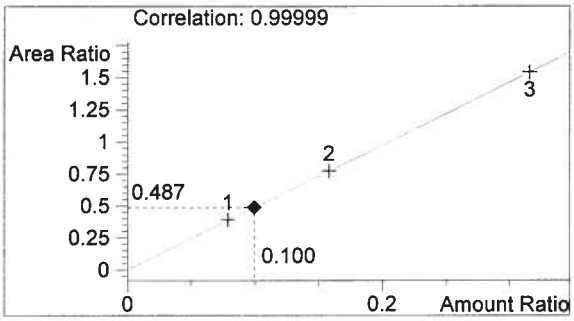
12/21/2009 5:32:36 PM
Instrument 3
db-alc2

QAP 09058-1
Naziha Nuwayhid, PhD

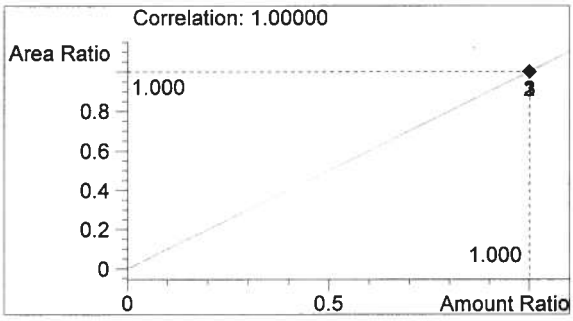
vial # 17



#	Compound	Area	RT
1	ETHANOL	835	1.069
2	n-PROPANOL	1713	1.829
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

12/22/09
MW

WASHINGTON STATE TOXICOLOGY LABORATORY

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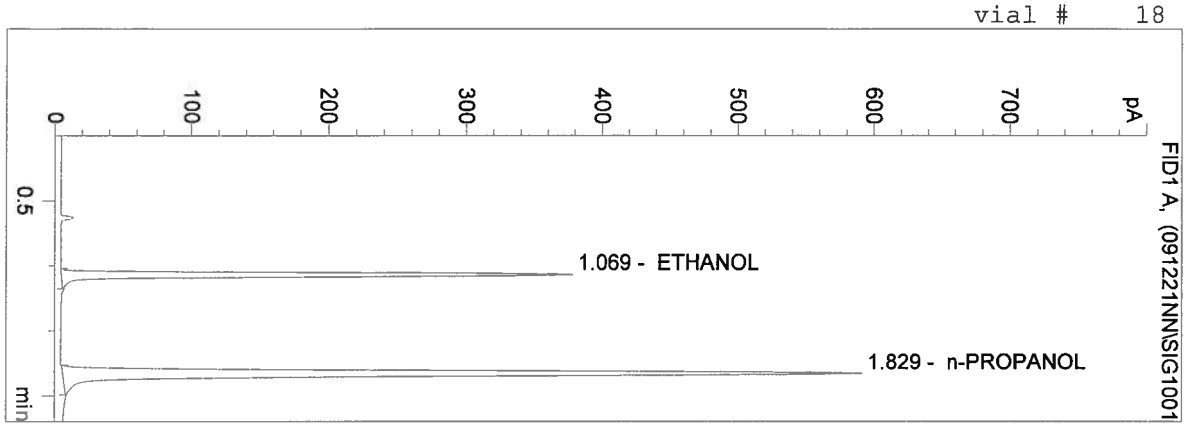
12/21/2009 5:35:43 PM
Instrument 3
db-alc2

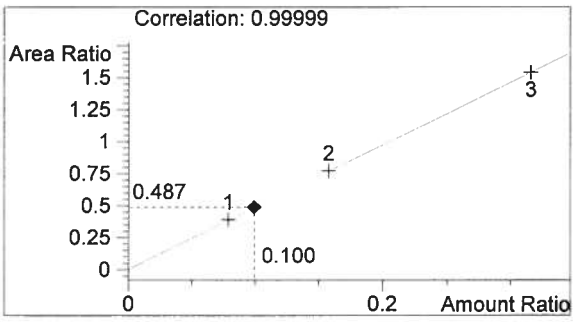
QAP 09058-2
Naziha Nuwayhid, PhD

vial # 18

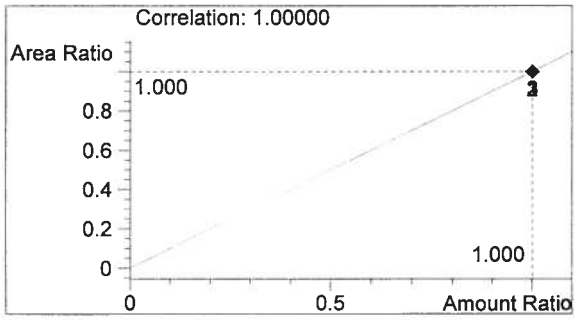


#	Compound	Area	RT
1	ETHANOL	825	1.069
2	n-PROPANOL	1696	1.829

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

12/22/09
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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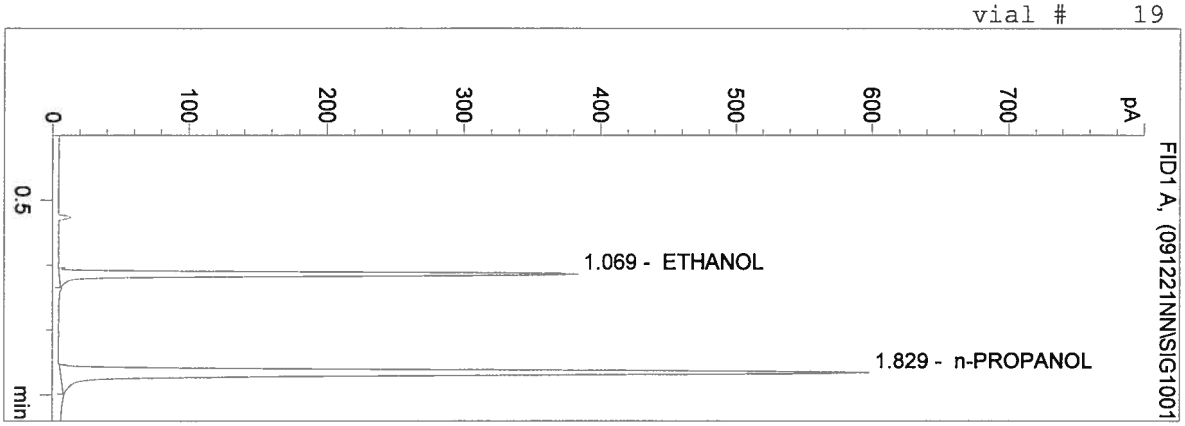
Instrument 3
db-alc2

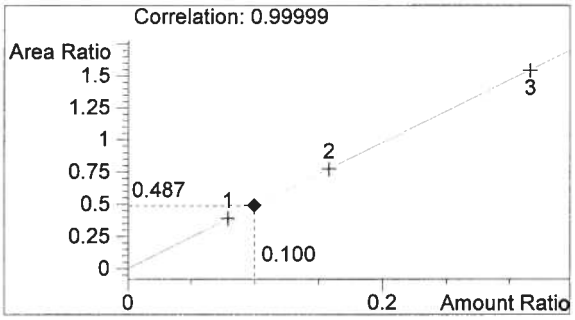
QAP 09058-3
Naziha Nuwayhid, PhD

vial # 19

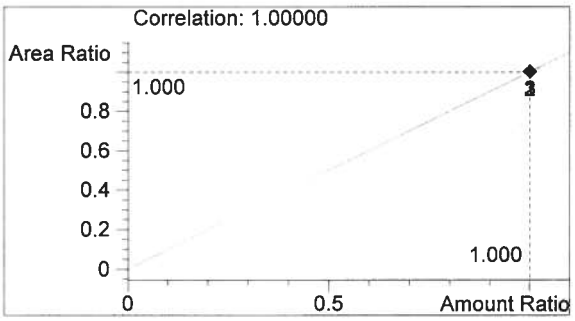


#	Compound	Area	RT
1	ETHANOL	834	1.069
2	n-PROPANOL	1712	1.829

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

12/22/09
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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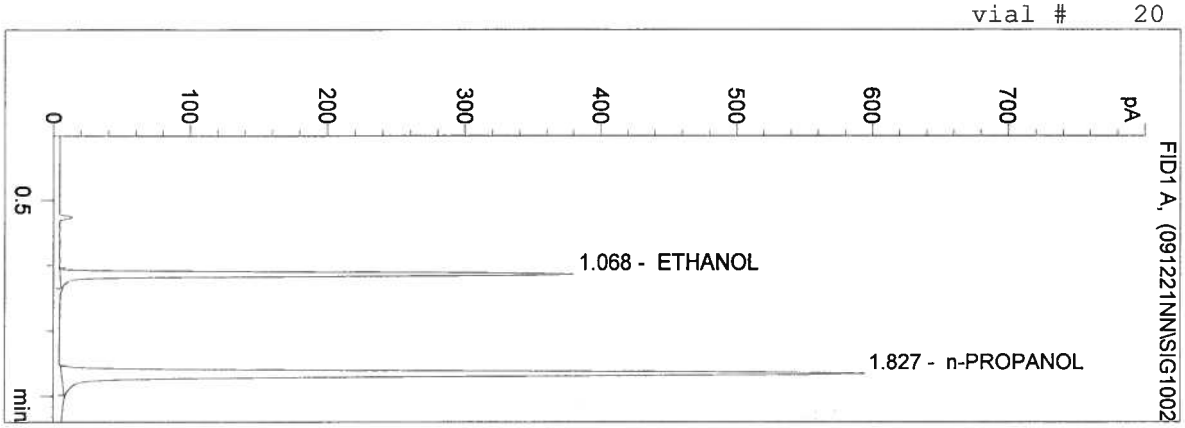
12/21/2009 5:41:59 PM
Instrument 3
db-alc2

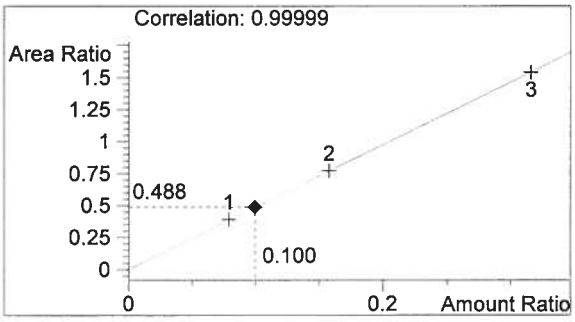
QAP 09058-4
Naziha Nuwayhid, PhD

vial # 20

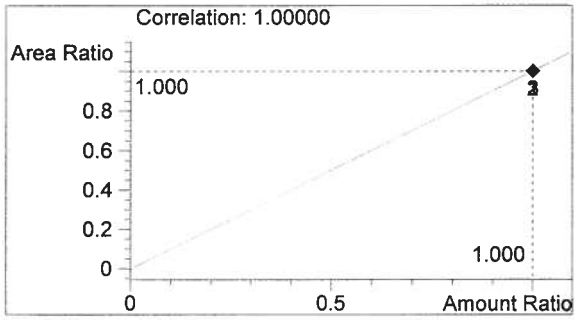


#	Compound	Area	RT
1	ETHANOL	830	1.068
2	n-PROPANOL	1700	1.827

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

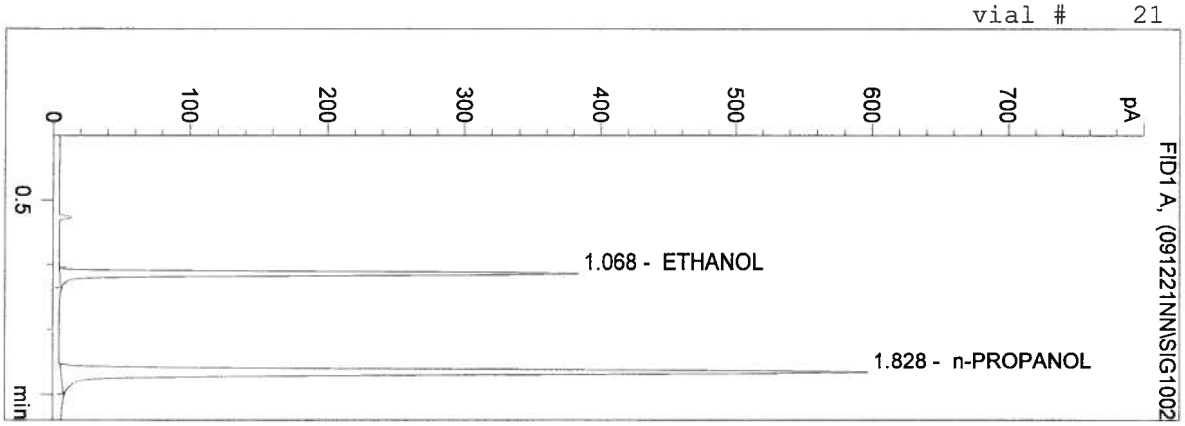
12/22/09
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 5:45:06 PM
Instrument 3
db-alc2

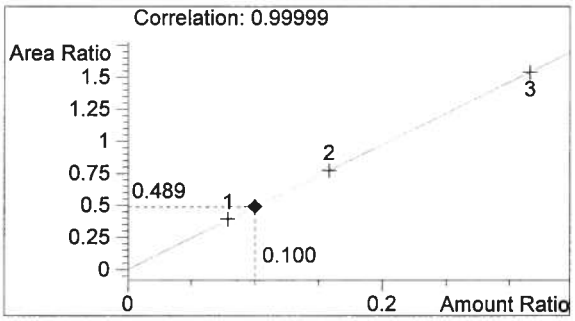
QAP 09058-5
Naziha Nuwayhid, PhD

vial # 21

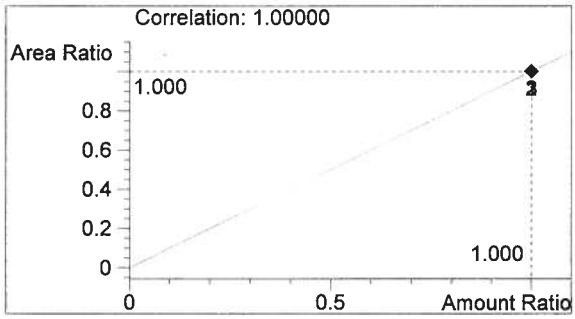


#	Compound	Area	RT
1	ETHANOL	838	1.068
2	n-PROPANOL	1715	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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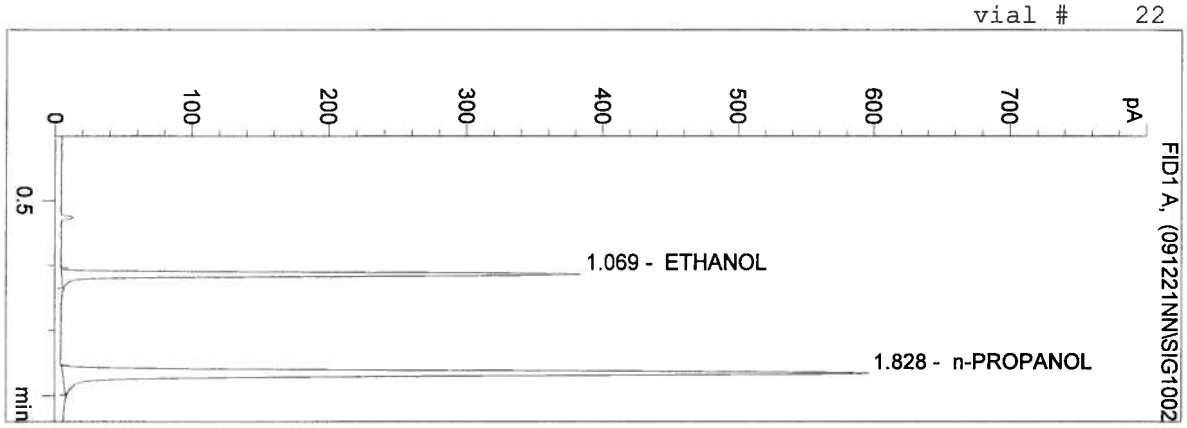
WASHINGTON STATE TOXICOLOGY LABORATORY

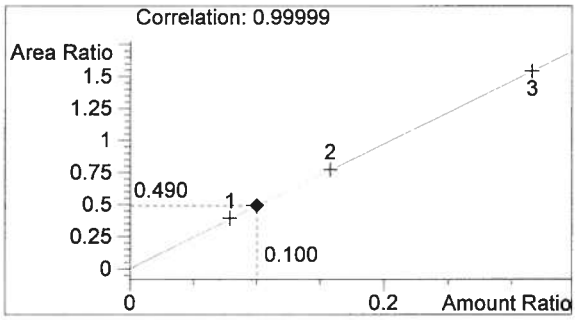
C:\HPCHEM\2\METHODS\SIMALC.M
12/21/2009 5:48:14 PM
Instrument 3
db-alc2

0.10 CTL-NN
Naziha Nuwayhid, PhD

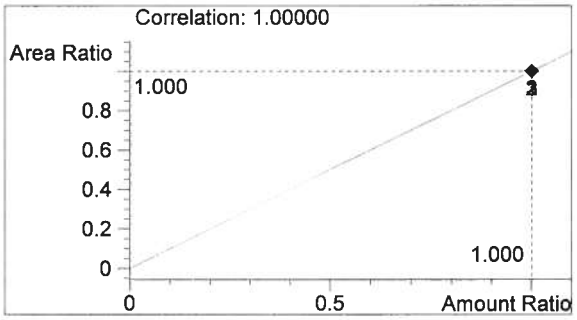
vial # 22



#	Compound	Area	RT
1	ETHANOL	836	1.069
2	n-PROPANOL	1706	1.828
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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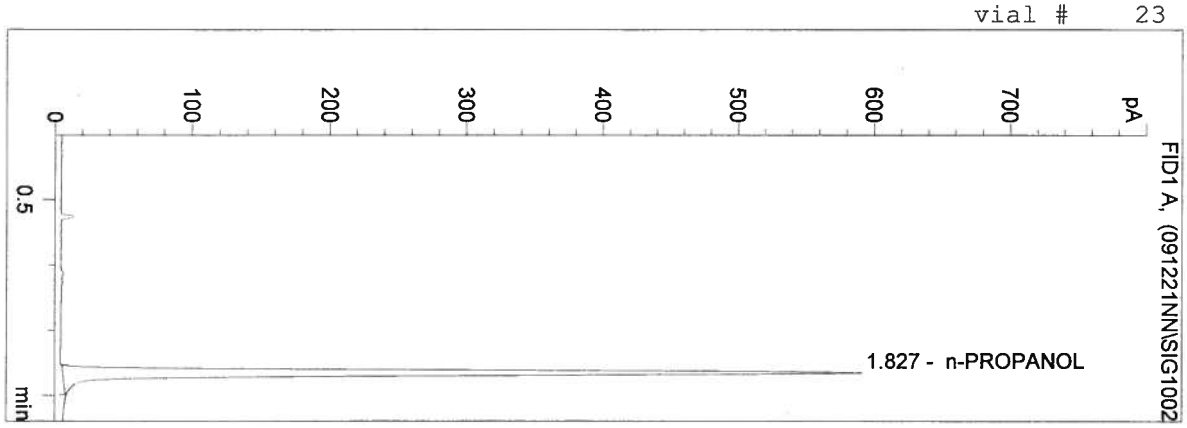
12/21/2009 5:51:22 PM
Instrument 3
db-alc2

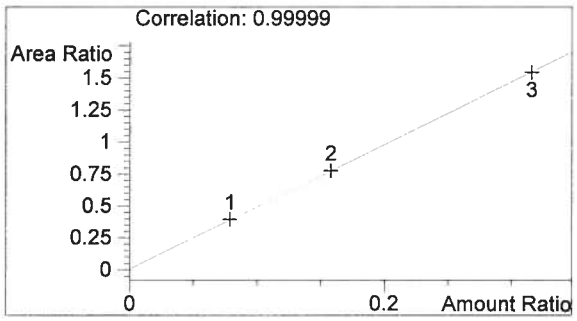
NEG CTL-NN
Naziha Nuwayhid, PhD

vial # 23

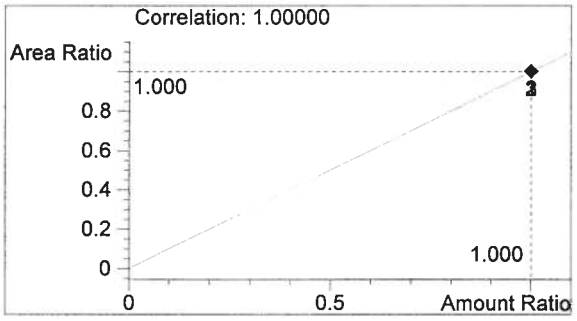


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1695	1.827

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

09058

12/22/09
NN

Sequence Parameters:

Operator:	Christie Mitchell
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:	091223CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A068384 - exp 10/2013
0.20 Control - Lot # A068386 - exp 10/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL-1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL-2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL-3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CM	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CM	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP 09058 #1	SIMALC	1	Sample		
11	Vial 11	QAP 09058 #2	SIMALC	1	Sample		
12	Vial 12	QAP 09058 #3	SIMALC	1	Sample		
13	Vial 13	QAP 09058 #4	SIMALC	1	Sample		
14	Vial 14	QAP 09058 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP 09059 #1	SIMALC	1	Sample		
18	Vial 18	QAP 09059 #2	SIMALC	1	Sample		
19	Vial 19	QAP 09059 #3	SIMALC	1	Sample		
20	Vial 20	QAP 09059 #4	SIMALC	1	Sample		
21	Vial 21	QAP 09059 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP 09060 #1	SIMALC	1	Sample		
25	Vial 25	QAP 09060 #2	SIMALC	1	Sample		
26	Vial 26	QAP 09060 #3	SIMALC	1	Sample		
27	Vial 27	QAP 09060 #4	SIMALC	1	Sample		
28	Vial 28	QAP 09060 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL-CM	SIMALC	1	Ctrl Samp		

CM

09058
09059
09060
~~09061~~
1-6-10 MP

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP3.S

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

CM

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09060
~~09061~~
MP
1-6-10

WASHINGTON STATE TOXICOLOGY LABORATORY

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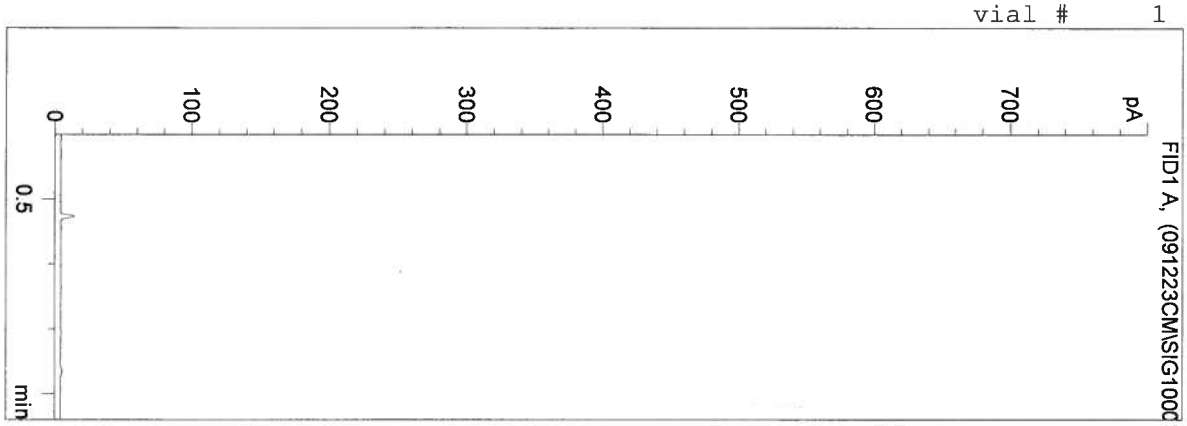
12/23/2009 2:55:18 PM
Instrument 3
db-alc2

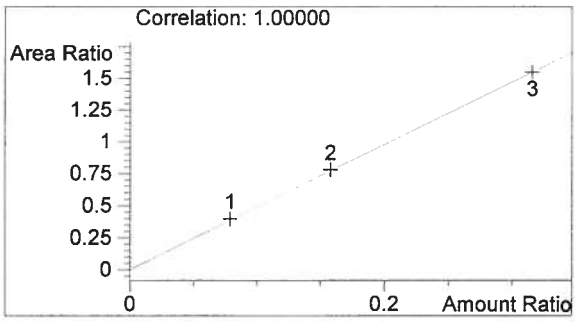
BLANK
Christie Mitchell

vial # 1

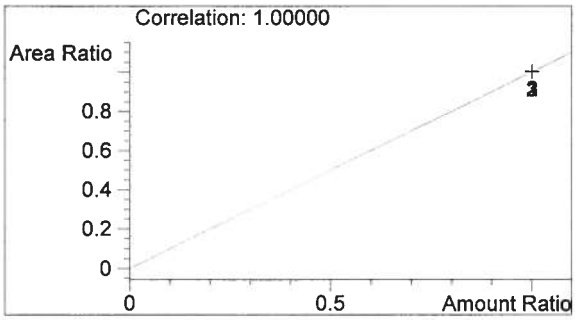


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

CM

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~~09061~~
NP
1-6-10

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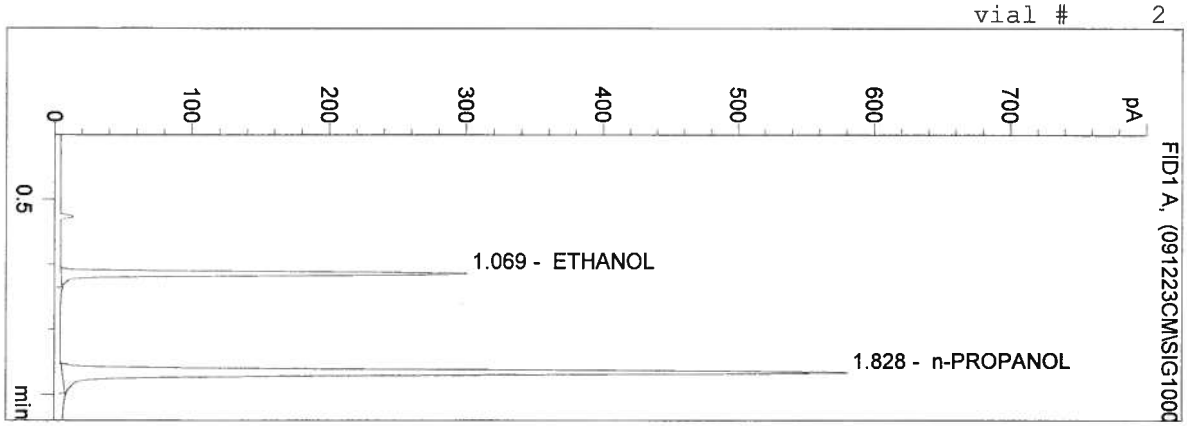
C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 2:58:26 PM
Instrument 3
db-alc2

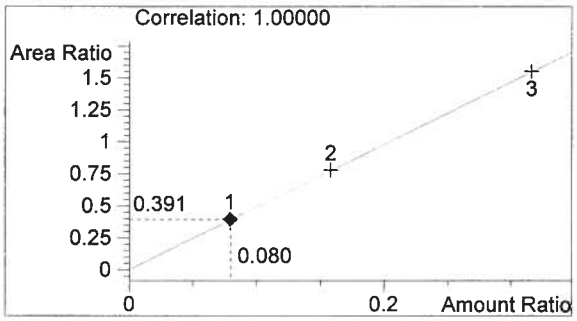
0.079 CAL-1
Christie Mitchell

vial # 2

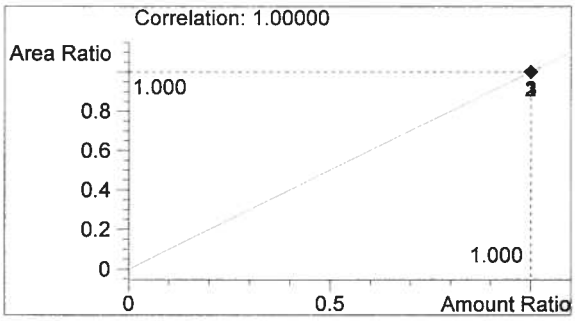


#	Compound	Area	RT
1	ETHANOL	648	1.069
2	n-PROPANOL	1658	1.828

Totals:



ETHANOL 0.080 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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1-6-10

WASHINGTON STATE TOXICOLOGY LABORATORY

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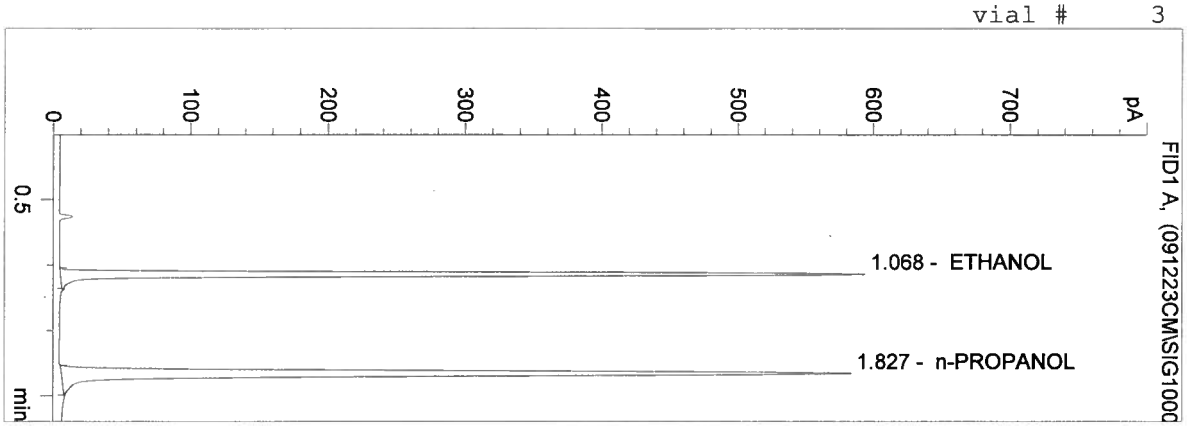
12/23/2009 3:01:33 PM
Instrument 3
db-alc2

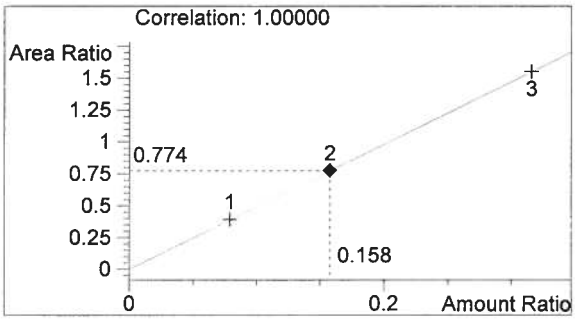
0.158 CAL-2
Christie Mitchell

vial # 3

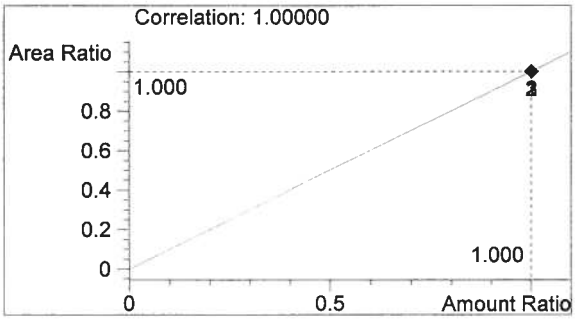


#	Compound	Area	RT
1	ETHANOL	1293	1.068
2	n-PROPANOL	1670	1.827

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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09059
09060
~~09061~~

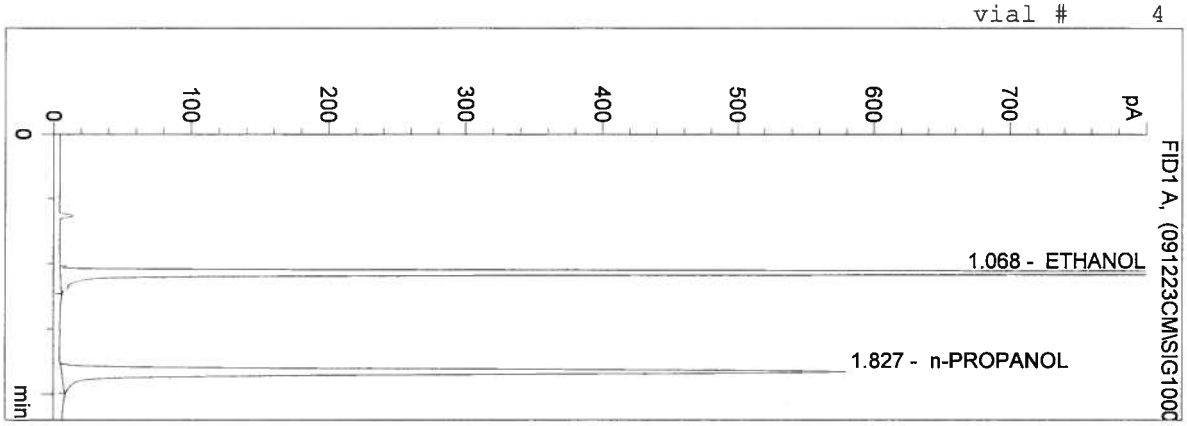
HP
1-6-10

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:04:41 PM
Instrument 3
db-alc2

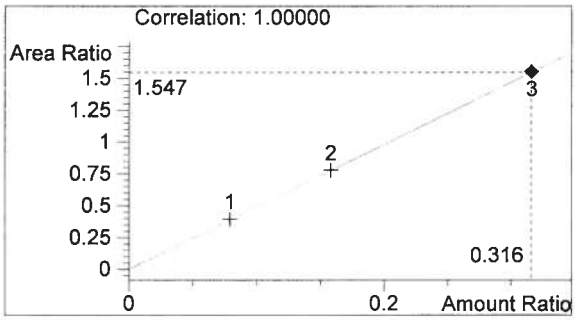
0.316 CAL-3
Christie Mitchell

vial # 4

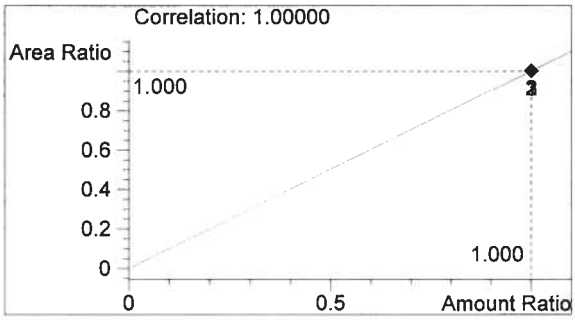


#	Compound	Area	RT
1	ETHANOL	2566	1.068
2	n-PROPANOL	1658	1.827

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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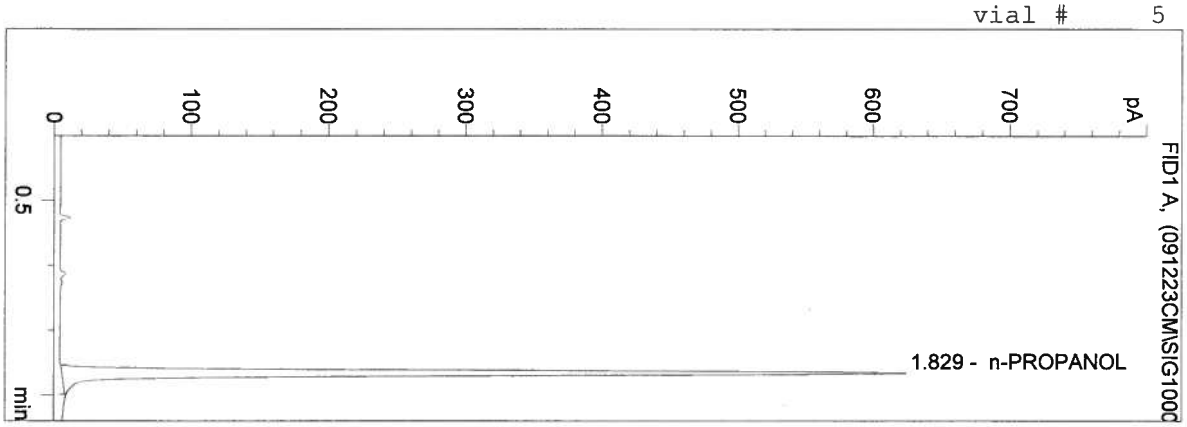
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:07:49 PM
Instrument 3
db-alc2

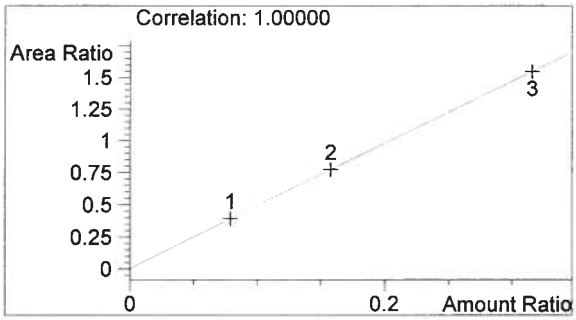
NEG CTRL-CM
Christie Mitchell

vial # 5

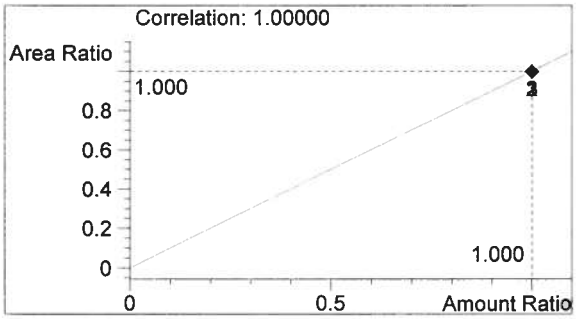


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1784	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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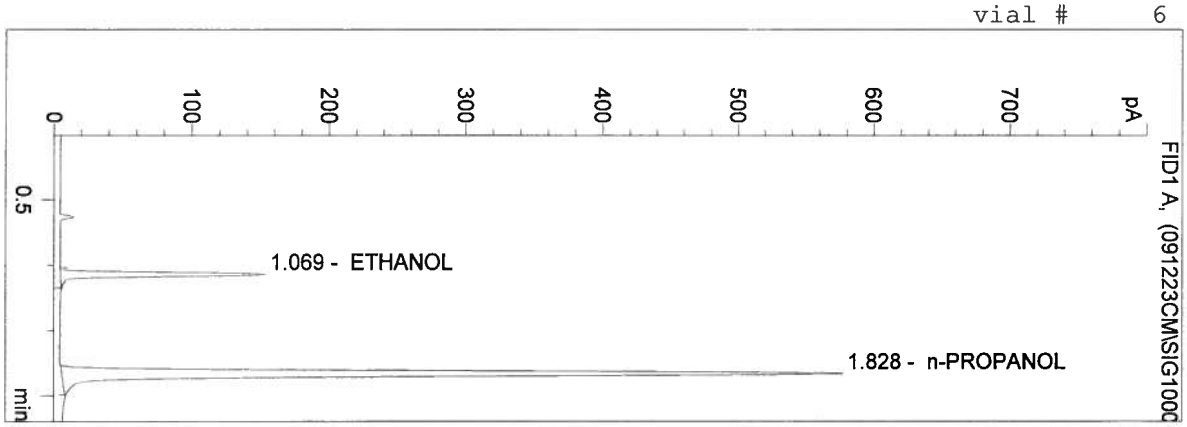
WASHINGTON STATE TOXICOLOGY LABORATORY

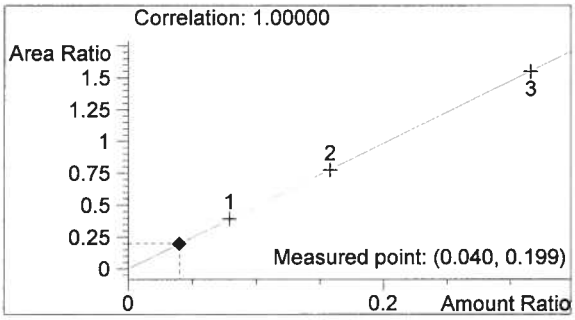
C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:10:57 PM
Instrument 3
db-alc2

0.04 CTRL-CM
Christie Mitchell

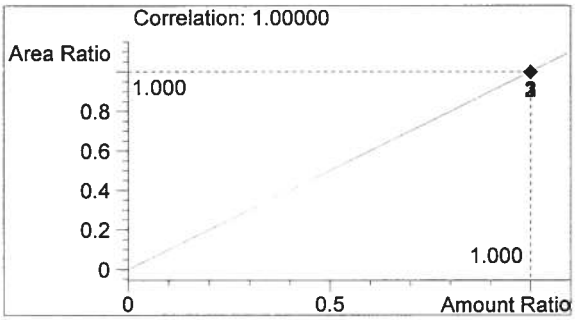
vial # 6



#	Compound	Area	RT
1	ETHANOL	328	1.069
2	n-PROPANOL	1653	1.828
Totals:			



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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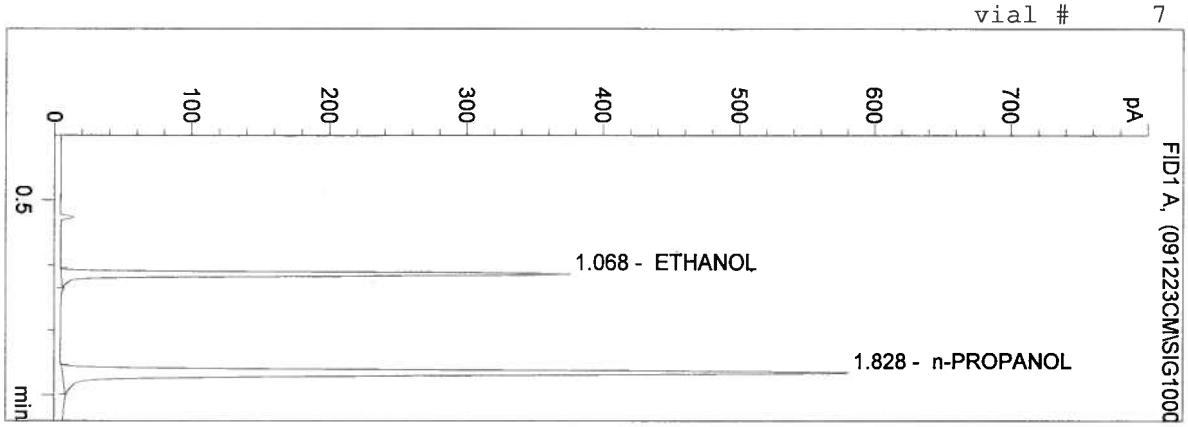
WASHINGTON STATE TOXICOLOGY LABORATORY

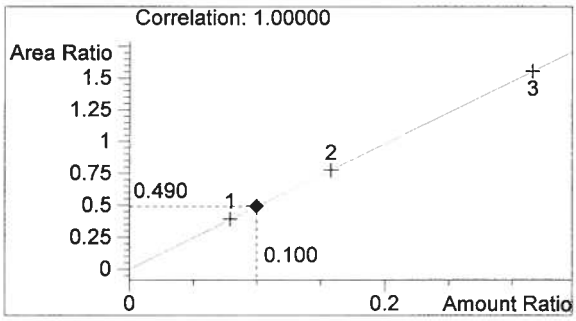
C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:14:05 PM
Instrument 3
db-alc2

0.10 CTRL-CM
Christie Mitchell

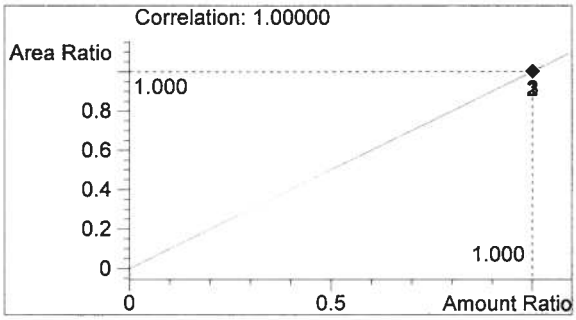
vial # 7



#	Compound	Area	RT
1	ETHANOL	816	1.068
2	n-PROPANOL	1665	1.828
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

CM

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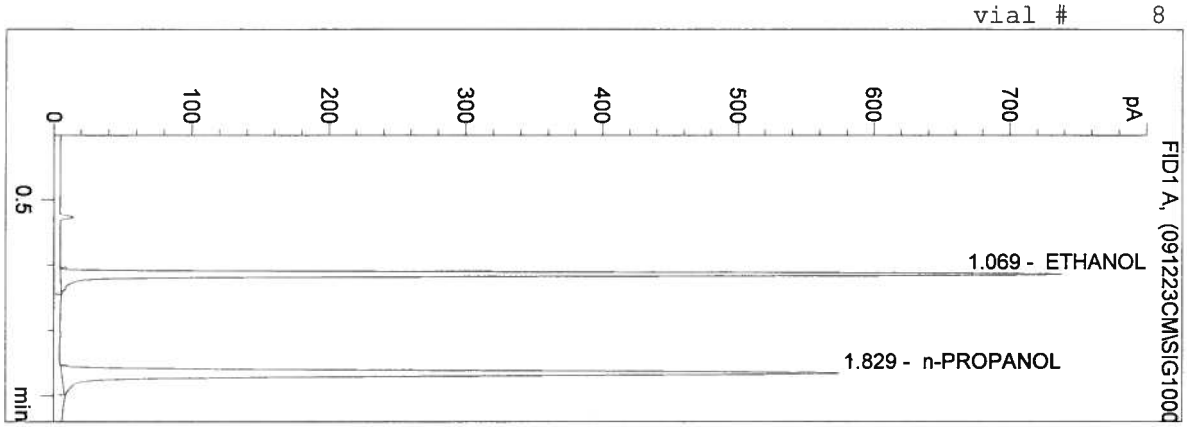
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:17:12 PM
Instrument 3
db-alc2

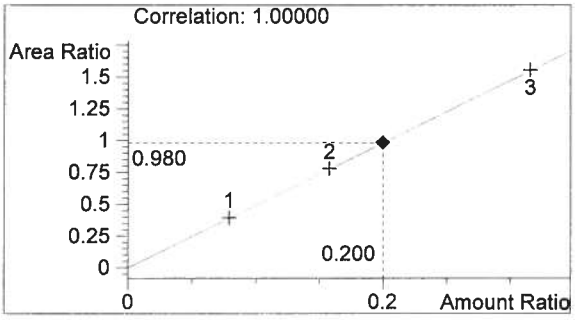
0.20 CTRL-CM
Christie Mitchell

vial # 8

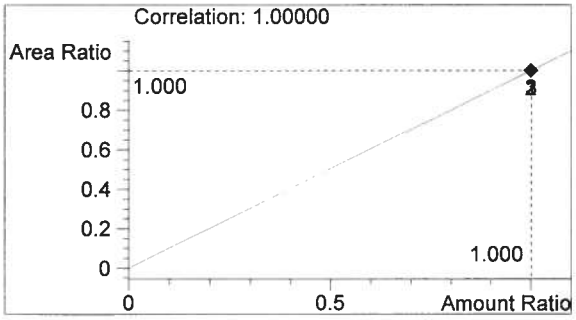


#	Compound	Area	RT
1	ETHANOL	1607	1.069
2	n-PROPANOL	1639	1.829

Totals:



ETHANOL 0.200 g/100ml



n-PROPANOL 1.000 g/100ml

CM

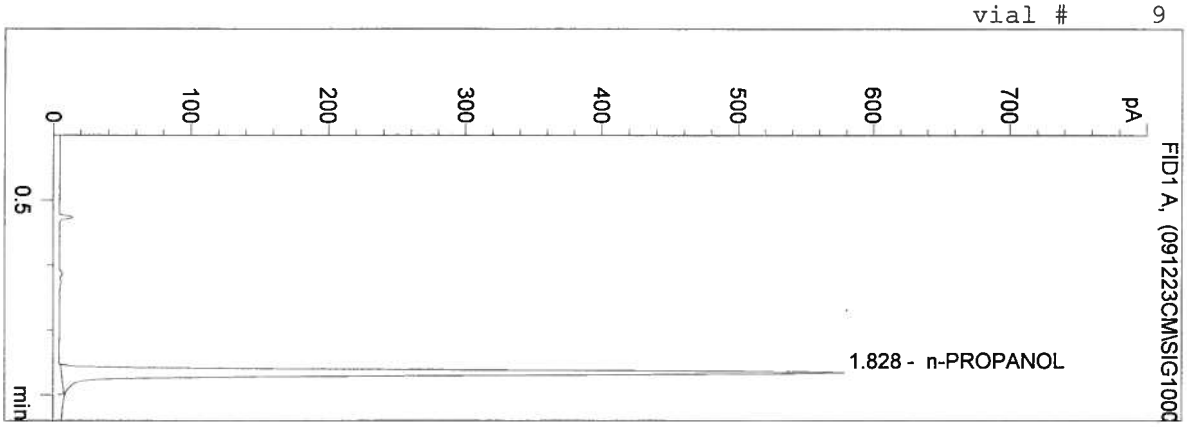
09058
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:20:20 PM
Instrument 3
db-alc2

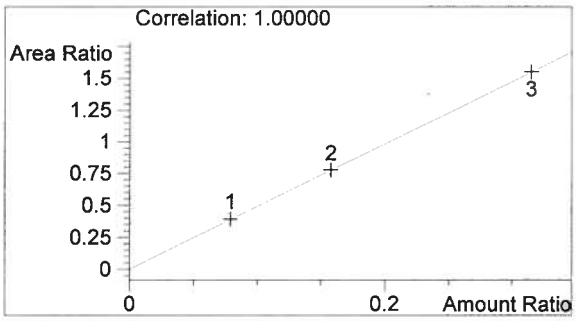
NEG CTRL-CM
Christie Mitchell

vial # 9

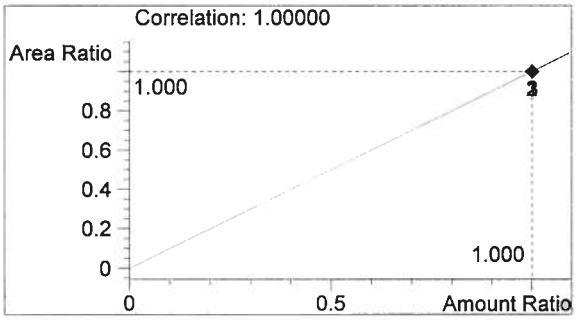


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1661	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

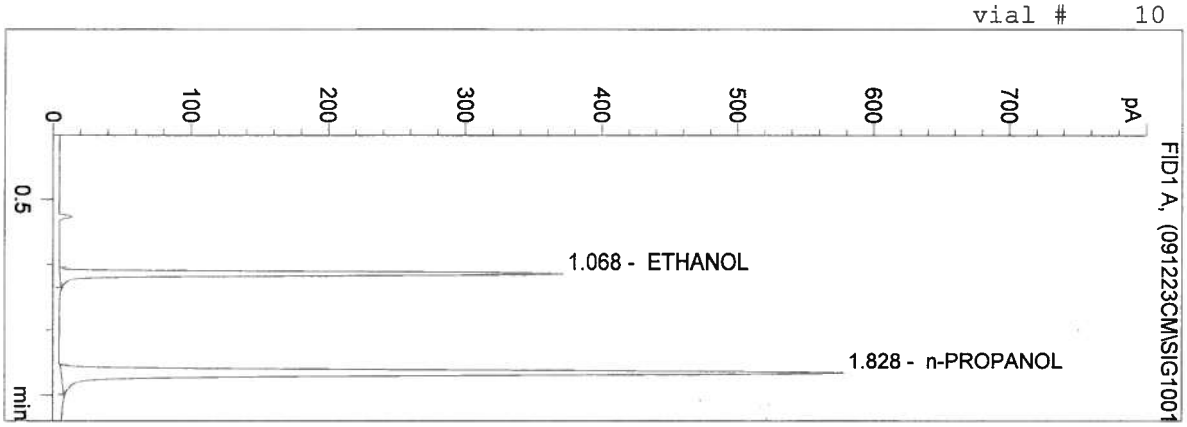
09058
09059
09060

WASHINGTON STATE TOXICOLOGY LABORATORY

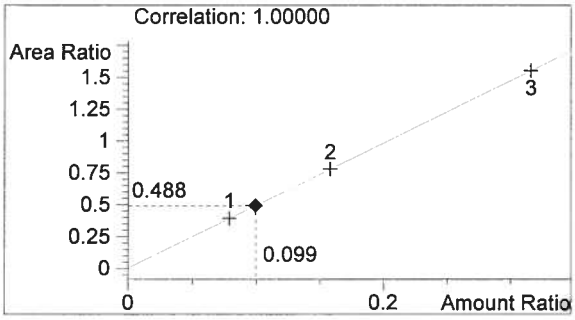
C:\HPCHEM\2\METHODS\SIMALC.M
12/23/2009 3:23:28 PM
Instrument 3
db-alc2

QAP 09058 #1
Christie Mitchell

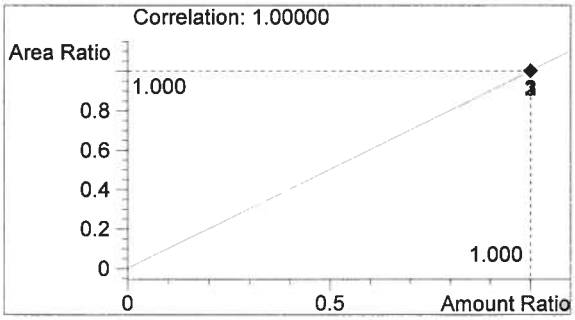
vial # 10



#	Compound	Area	RT
1	ETHANOL	810	1.068
2	n-PROPANOL	1657	1.828
Totals:			



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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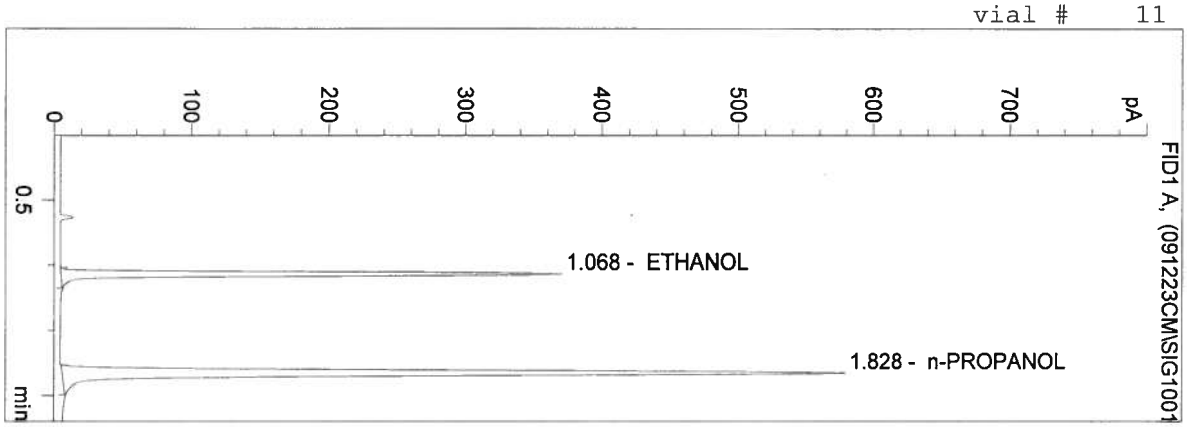
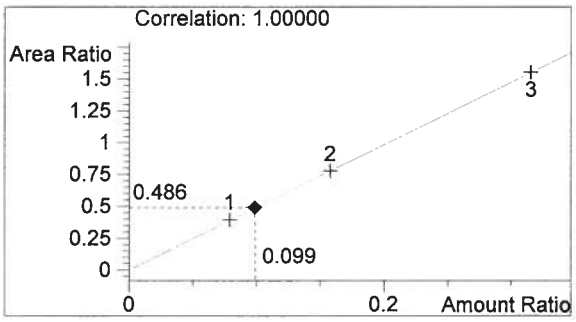
Instrument 3
db-alc2

QAP 09058 #2
Christie Mitchell

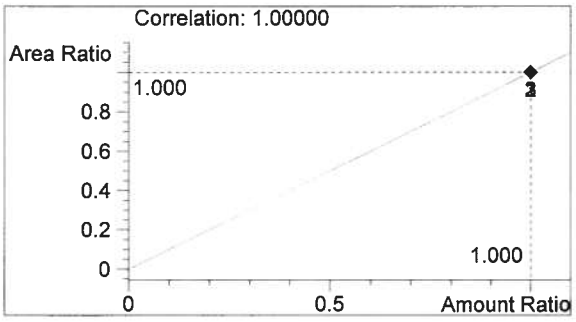
vial # 11



#	Compound	Area	RT
1	ETHANOL	807	1.068
2	n-PROPANOL	1660	1.828
Totals:			



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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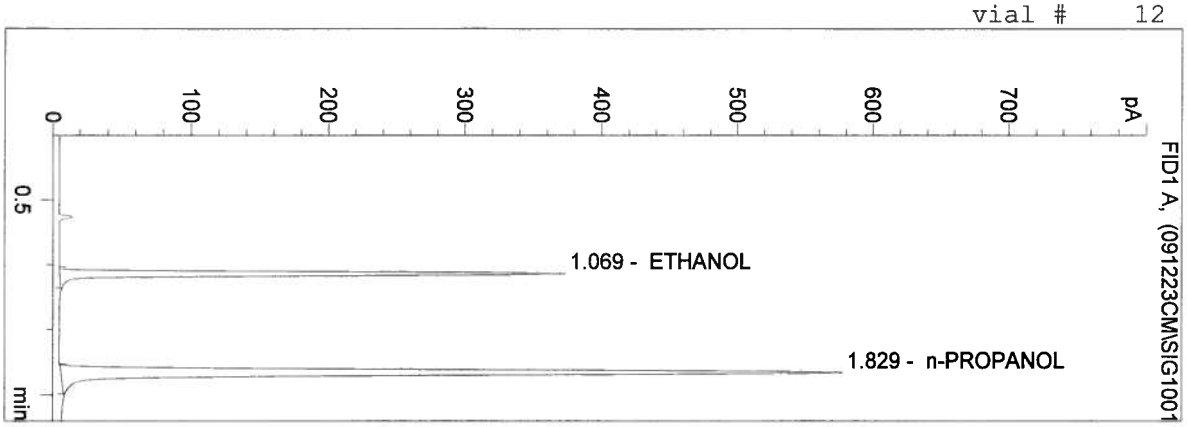
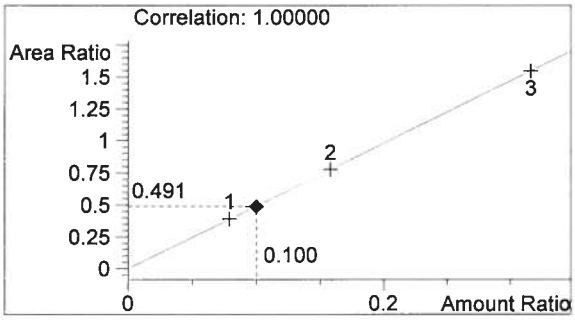
Instrument 3
db-alc2

QAP 09058 #3
Christie Mitchell

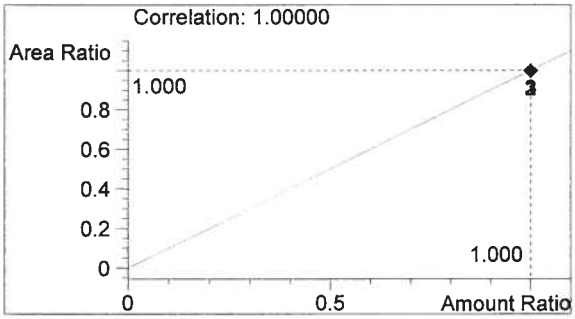
vial # 12



#	Compound	Area	RT
1	ETHANOL	812	1.069
2	n-PROPANOL	1655	1.829
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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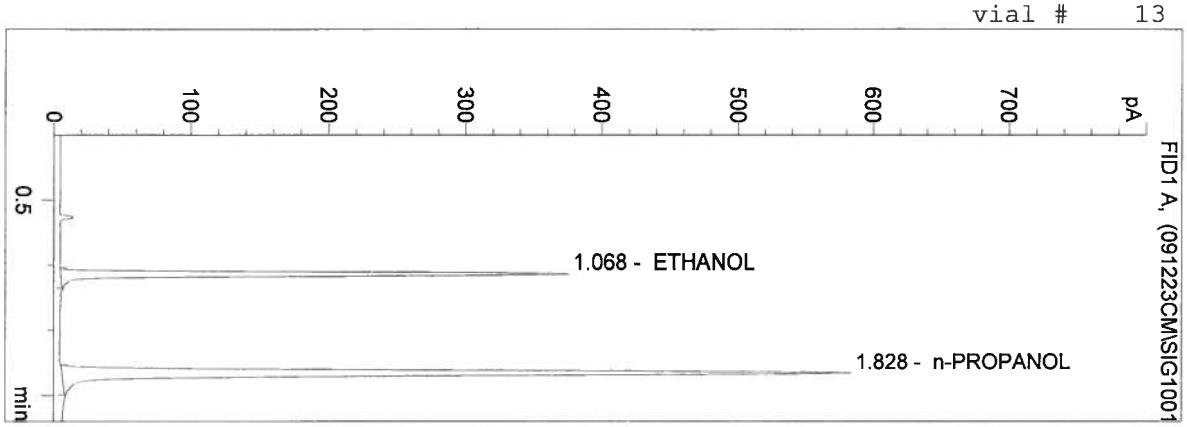
Instrument 3
db-alc2

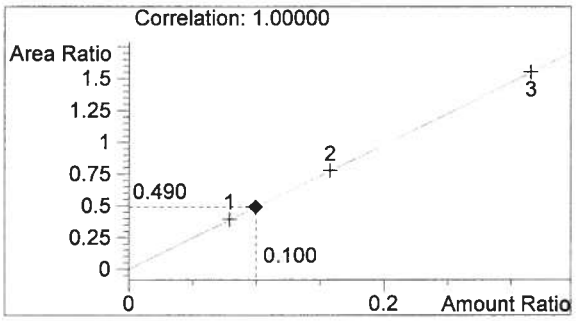
QAP 09058 #4
Christie Mitchell

vial # 13

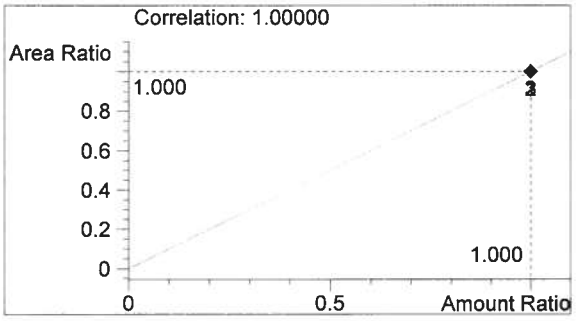


#	Compound	Area	RT
1	ETHANOL	820	1.068
2	n-PROPANOL	1673	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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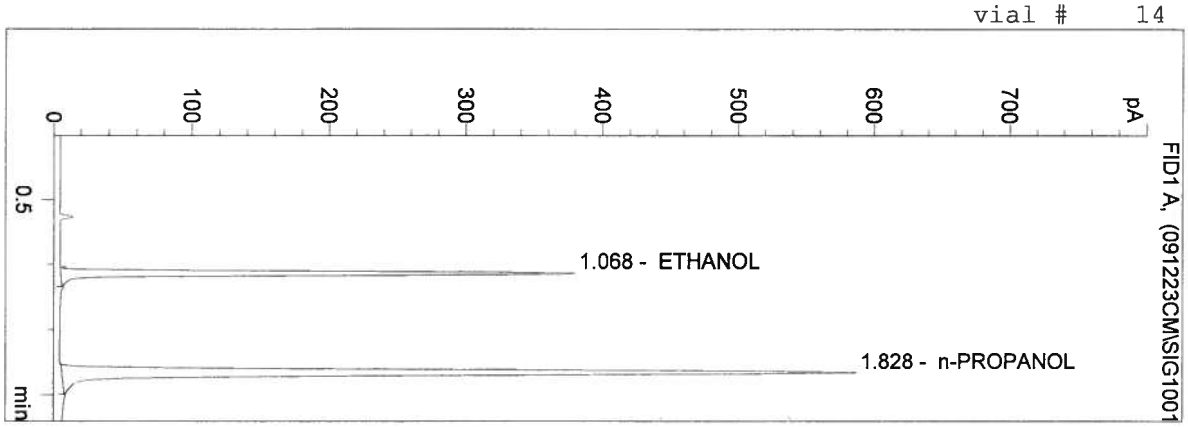
Instrument 3
db-alc2

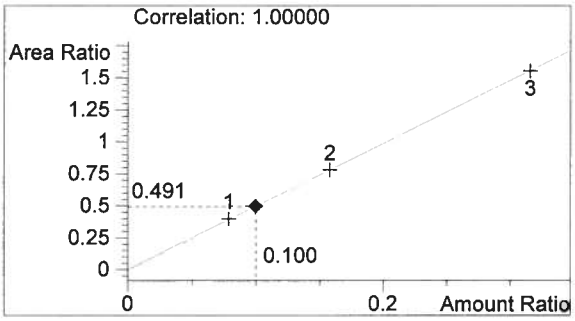
QAP 09058 #5
Christie Mitchell

vial # 14

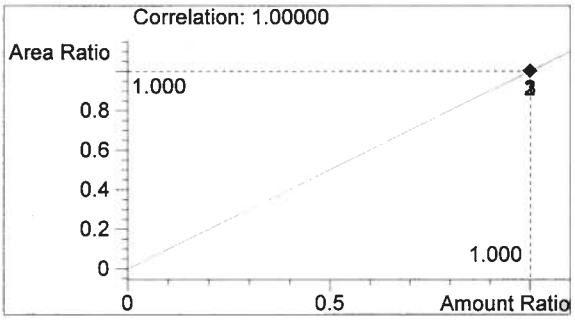


#	Compound	Area	RT
1	ETHANOL	824	1.068
2	n-PROPANOL	1678	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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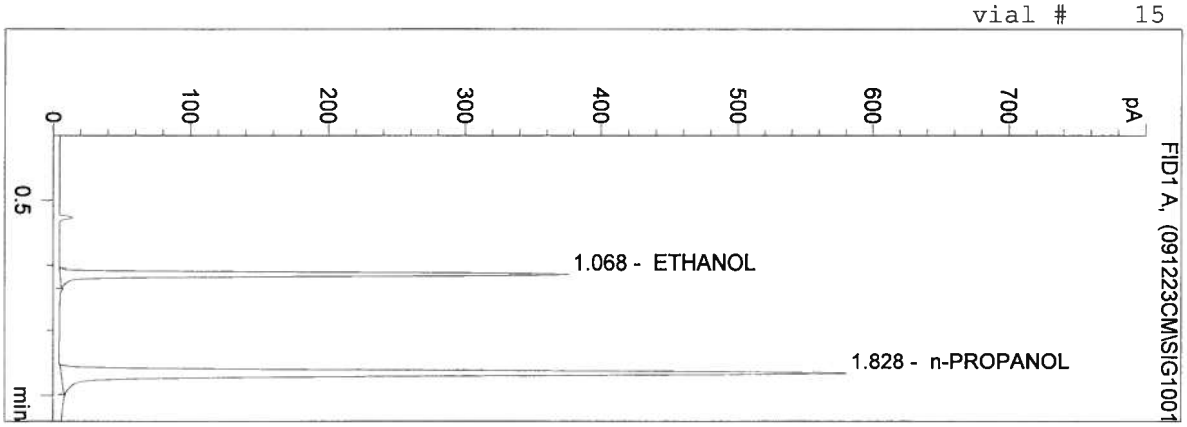
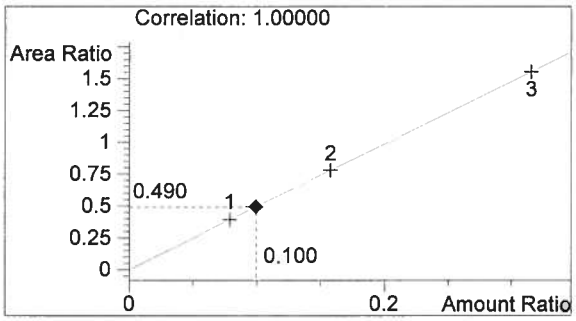
Instrument 3
db-alc2

0.10 CTRL-CM
Christie Mitchell

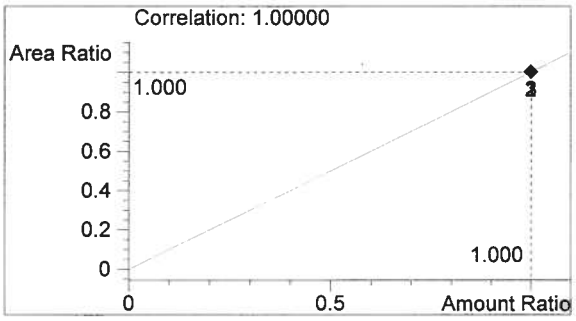
vial # 15



#	Compound	Area	RT
1	ETHANOL	815	1.068
2	n-PROPANOL	1661	1.828
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

CM

09058

WASHINGTON STATE TOXICOLOGY LABORATORY

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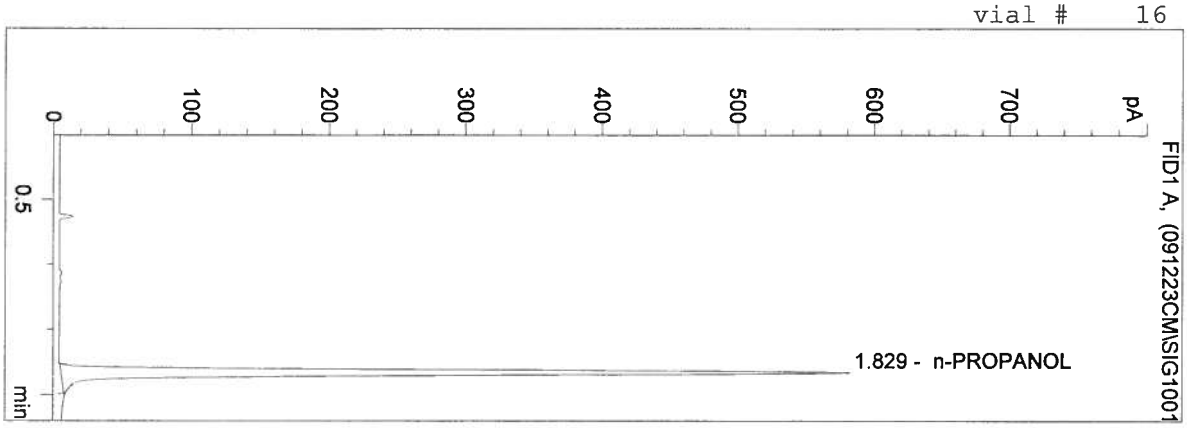
Instrument 3
db-alc2

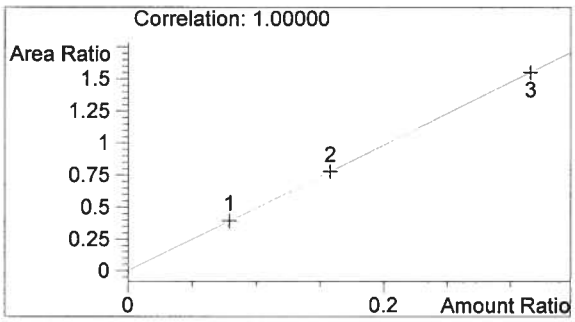
NEG CTRL-CM
Christie Mitchell

vial # 16

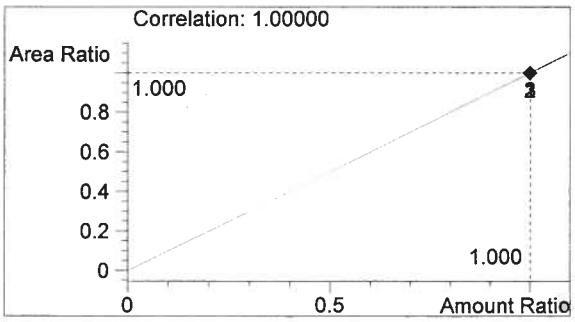


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1671	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

09058

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 09057, 09058, 09059, 09060

Preparer: Brittany Ball

Date Prepared: ~~12/20/09~~ 12/21/09 BB 1/25/2010

Expiration Date: ~~12/20/2010~~ 12/21/2010 BB 1/25/2010

Lot 200 Proof (100%) Ethanol Used: XV3014

Date 200 Proof Ethanol Opened: 12/16/09
(Ethanol standard is approved for use for 6 months after opening unless an extension is approved by the State Toxicologist.)

Vapor Concentration of QAP	Amount of Ethanol	Amount of Deionized Water	
0.04	11.2 mL	18 L	☑ → Values out of Range; Batch discarded, new batch to be made
0.08	22.4 mL	18 L	☑
0.1	28.1 mL	18 L	☑
0.15	42.0 mL	18 L	☑
Stir Bar is Rotating			☑
Stirred for at least 30 minutes			☑
Spigot Purged			☑
Aliquot Taken			☑
Batch Labeled Packaged and Sealed (Except 09057) ↳ Discarded			☑ 12/21/09 Date

Brittany Ball
Analyst

12/21/09
Date