Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Gullberg / Denton **Date:** 3/2/2010

Location: FLSB HQ **Solution Batch Number:** ~~01005~~ 10005 MP 3/10/10

	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: [signature] **Date:** 3-2-2010

Reviewer Signature: [signature] **Date:** 3/2/2010

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 10005

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 02/17/2010
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Gwynyth Almendarez

	GA	BB	BP
1	0.100	0.099	0.100
2	0.099	0.101	0.098
3	0.100	0.100	0.100
4	0.099	0.100	0.100
5	0.099	0.100	0.098
C	0.100	0.100	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0995 g/100mL
STANDARD DEVIATION: 0.00083
PRECISION CV (%): 0.84
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0809 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

3-10-2010
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
GA	Gwynyth Almendarez	Gwynyth Almendarez	02/17/2010
BB	Brittany Ball	Brittany Ball	02/18/2010
BP	Brianna Peterson	Brianna Peterson	02/19/2010

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 #: 10005 **Date Prepared:** 2/17/2010

Analyst:	GA	BB	BP
Date Tested:	2/17/2010	2/18/2010	2/19/2010
Instrument:	HS#3	HS#3	HS#3
1	0.100	0.099	0.100
2	0.099	0.101	0.098
3	0.100	0.100	0.100
4	0.099	0.100	0.100
5	0.099	0.100	0.098
C	0.100	0.100	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000084100	0.0000046785	0.0000111856	0.0000333333	0.0001016326

Average Solution Concentration: 0.0995 g/100mL
Standard Deviation: 0.00083 g/100mL
Precision CV (%): 0.84
Equivalent Vapor Concentration: 0.0809 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 Melissa L. Pemberton 3/1/2010
Name Signature Date

Calculations verified by: Rod G. Gulliksen Rod Gulliksen 3-2-2010 Method: BxLOD
Name Signature Date

Tech. review performed by: Melissa L. Pemberton Melissa L. Pemberton 3-10-2010
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	BP	3/1/10
Brianne O'Reilly		
Brittany Ball	BB	3/2/10
Christie Mitchell		
Christopher Johnston		
Gwynyth Almendarez	GA	3/2/10
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 10005

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 10005

I, Gwynyth Almendarez, 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 degrees in Chemistry and Forensic Science.

The qap solution, Lot Number 10005, was prepared in the Washington State Toxicology Laboratory on 2/17/2010. 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 2/17/2011.

Seattle, WA

Gwynyth Almendarez 3/2/10

Gwynyth Almendarez Date

Forensic Toxicologist

GA/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 10005

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 10005, was prepared in the Washington State Toxicology Laboratory on 2/17/2010. 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 2/17/2011.

Seattle, WA

Brittany Ball 3/2/10

Brittany Ball Date

Forensic Toxicologist

BB/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 10005

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

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

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

The qap solution, Lot Number 10005, was prepared in the Washington State Toxicology Laboratory on 2/17/2010. 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 2/17/2011.

Seattle, WA

Brianna Peterson 3/1/10

Brianna Peterson Date
Forensic Toxicologist

BP/ik

Sequence Parameters:

Operator:	Gwynyth Almendarez
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:	100217GA
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A067397 - exp 09/2013
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- GA	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL- GA	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL- GA	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
10	Vial 10	10005 #1	SIMALC	1	Sample		
11	Vial 11	10005 #2	SIMALC	1	Sample		
12	Vial 12	10005 #3	SIMALC	1	Sample		
13	Vial 13	10005 #4	SIMALC	1	Sample		
14	Vial 14	10005 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
17	Vial 17	10006 #1	SIMALC	1	Sample		
18	Vial 18	10006 #2	SIMALC	1	Sample		
19	Vial 19	10006 #3	SIMALC	1	Sample		
20	Vial 20	10006 #4	SIMALC	1	Sample		
21	Vial 21	10006 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
24	Vial 24	10007 #1	SIMALC	1	Sample		
25	Vial 25	10007 #2	SIMALC	1	Sample		
26	Vial 26	10007 #3	SIMALC	1	Sample		
27	Vial 27	10007 #4	SIMALC	1	Sample		
28	Vial 28	10007 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
31	Vial 31	10008 #1	SIMALC	1	Sample		
32	Vial 32	10008 #2	SIMALC	1	Sample		

Calibration filed with 10005
GA 2/17/10

10005

10006
10007
10008
10009
GA

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10008 #3	SIMALC	1	Sample		
34	Vial 34	10008 #4	SIMALC	1	Sample		
35	Vial 35	10008 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
38	Vial 38	10009 #1	SIMALC	1	Sample		
39	Vial 39	10009 #2	SIMALC	1	Sample		
40	Vial 40	10009 #3	SIMALC	1	Sample		
41	Vial 41	10009 #4	SIMALC	1	Sample		
42	Vial 42	10009 #5	SIMALC	1	Sample		
43	Vial 43	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
44	Vial 44	NEG CTRL- GA	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!

10005

10006
10007
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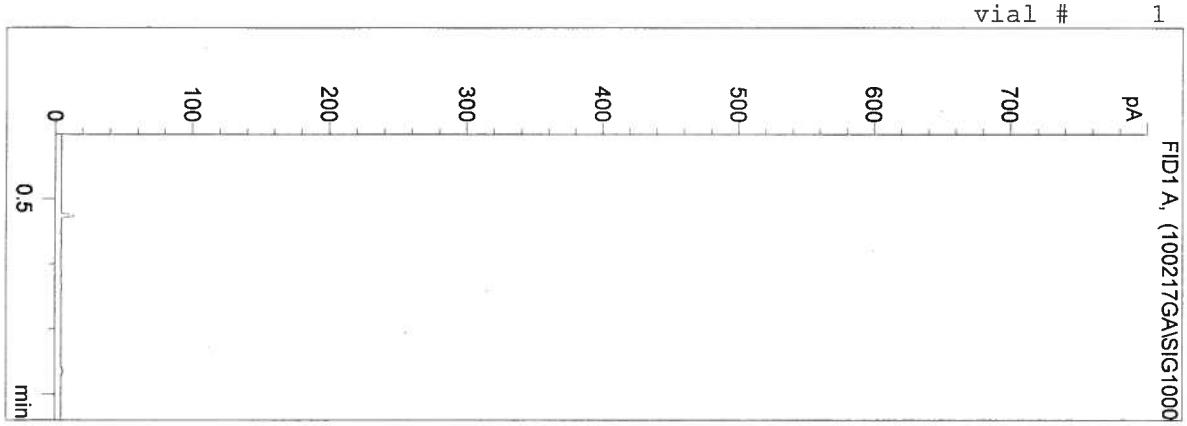
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:17:42 PM
Instrument 3
db-alc2

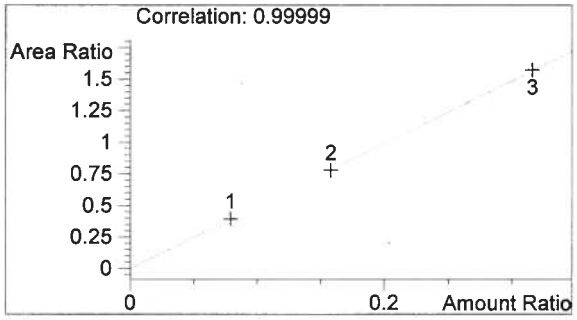
BLANK
Gwynyth Almendarez

vial # 1

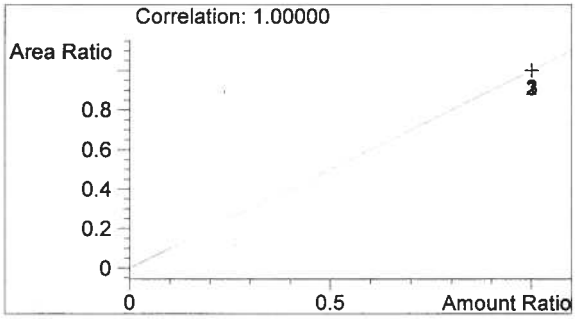


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

10005
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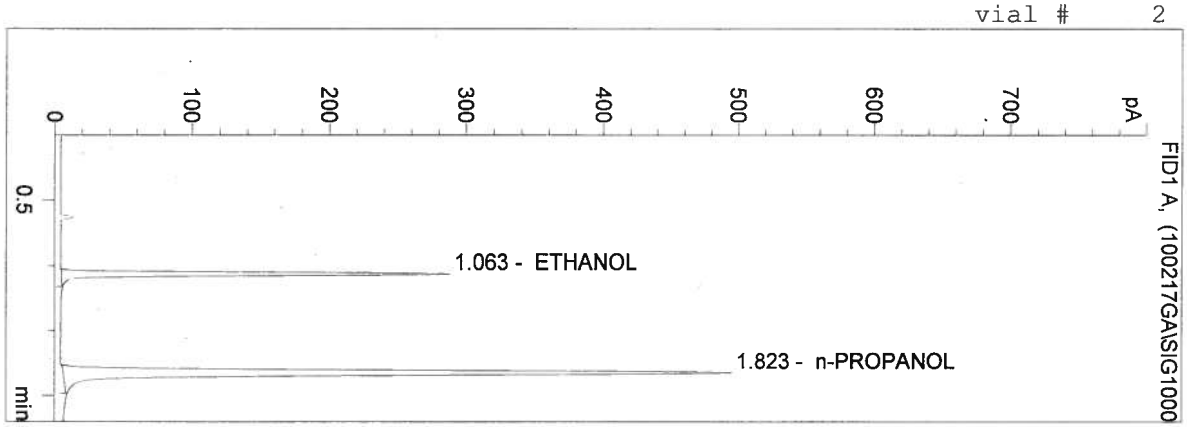
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:20:50 PM
Instrument 3
db-alc2

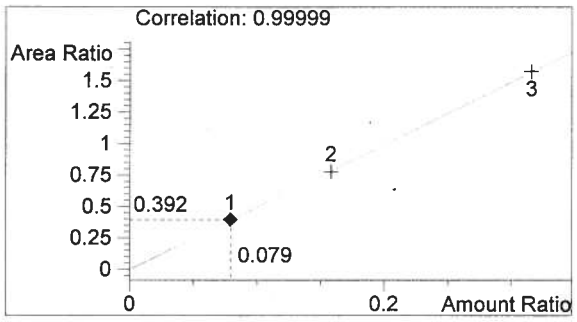
0.079 CAL 1
Gwynyth Almendarez

vial # 2

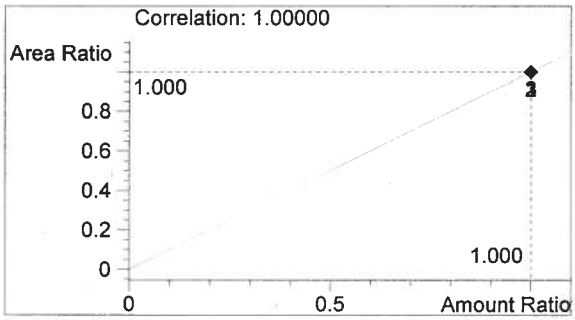


#	Compound	Area	RT
1	ETHANOL	525	1.063
2	n-PROPANOL	1339	1.823

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

10005
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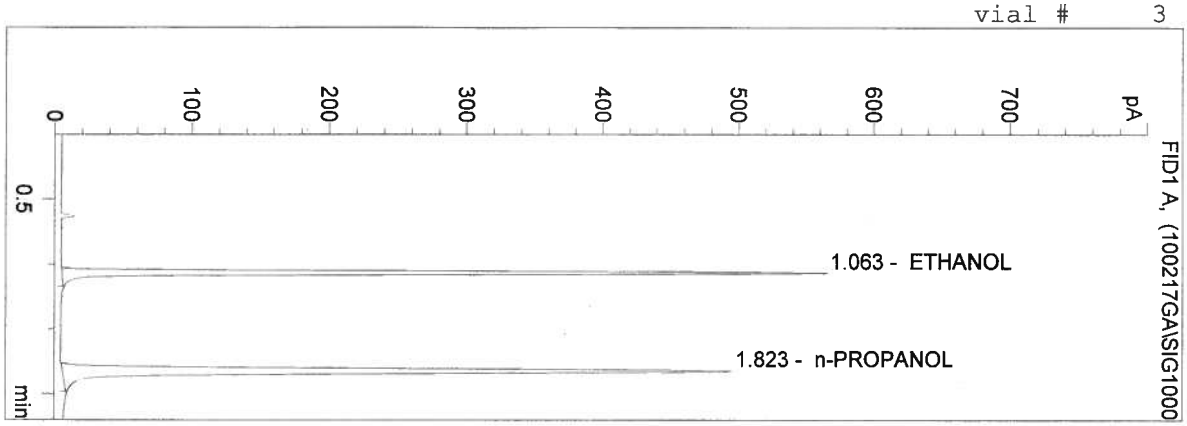
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:23:57 PM
Instrument 3
db-alc2

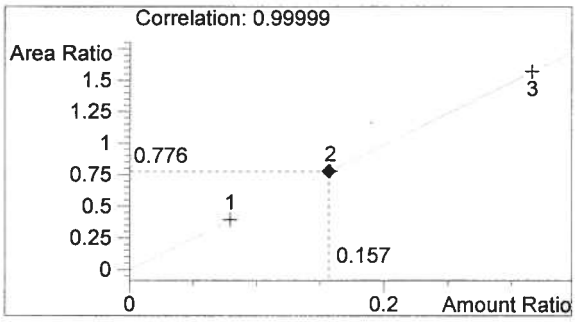
0.158 CAL 2
Gwynyth Almendarez

vial # 3

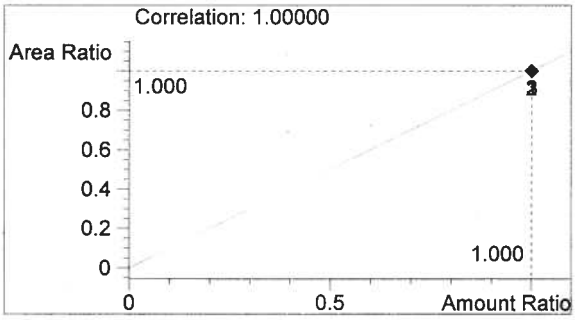


#	Compound	Area	RT
1	ETHANOL	1043	1.063
2	n-PROPANOL	1343	1.823

Totals:



ETHANOL 0.157 g/100ml



n-PROPANOL 1.000 g/100ml

10005
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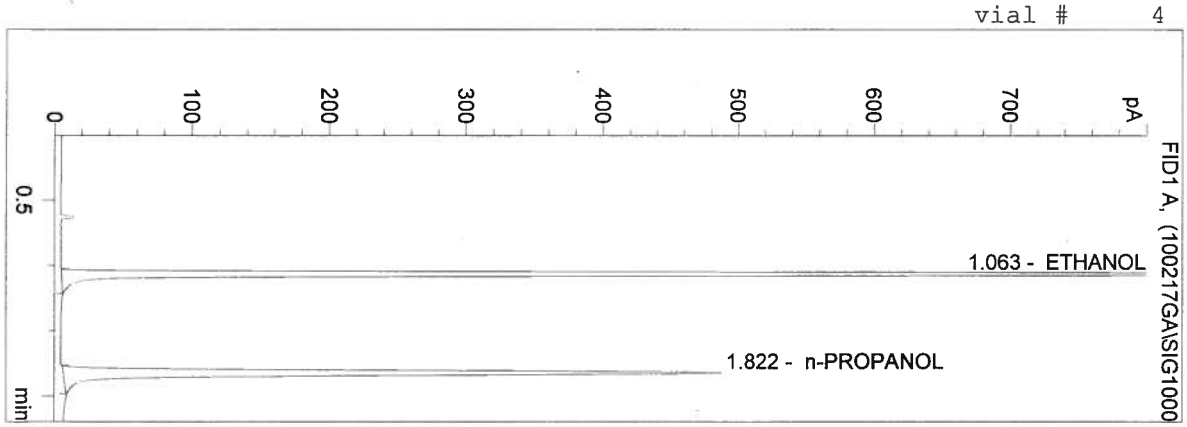
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:27:04 PM
Instrument 3
db-alc2

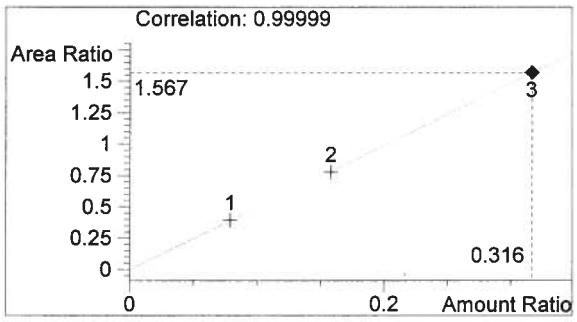
0.316 CAL 3
Gwynyth Almendarez

vial # 4

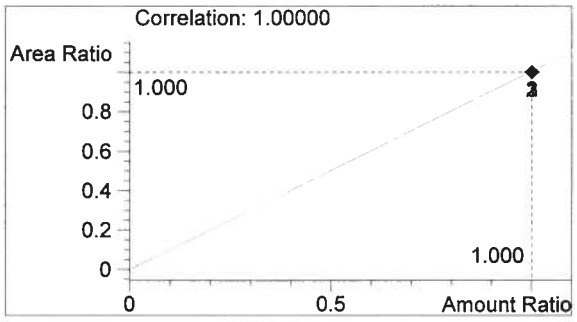


#	Compound	Area	RT
1	ETHANOL	2068	1.063
2	n-PROPANOL	1320	1.822

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

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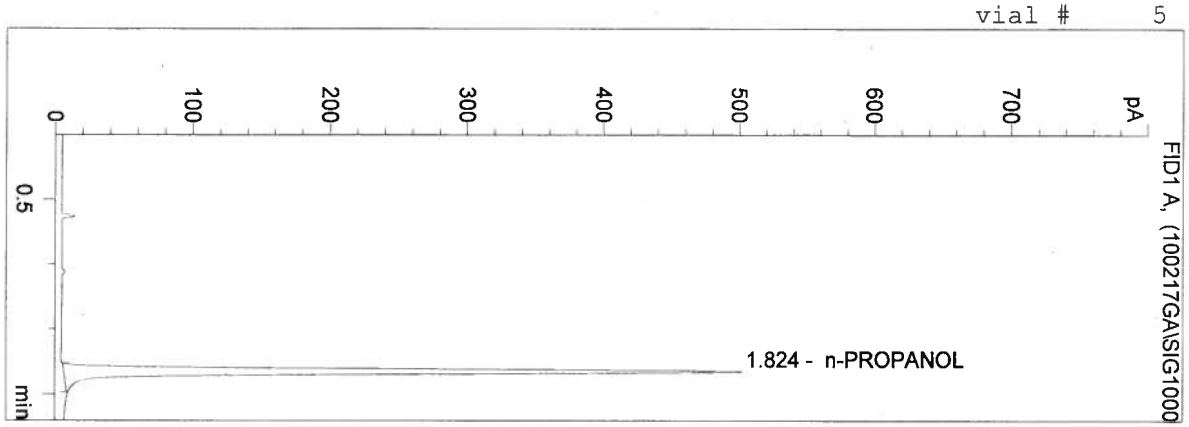
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:30:11 PM
Instrument 3
db-alc2

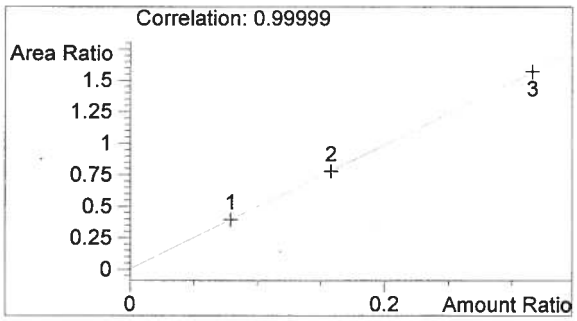
NEG CTRL- GA
Gwynyth Almendarez

vial # 5

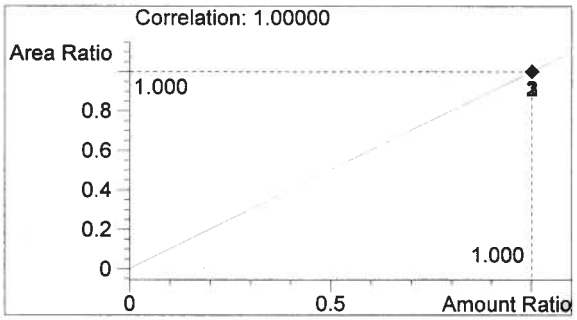


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1364	1.824

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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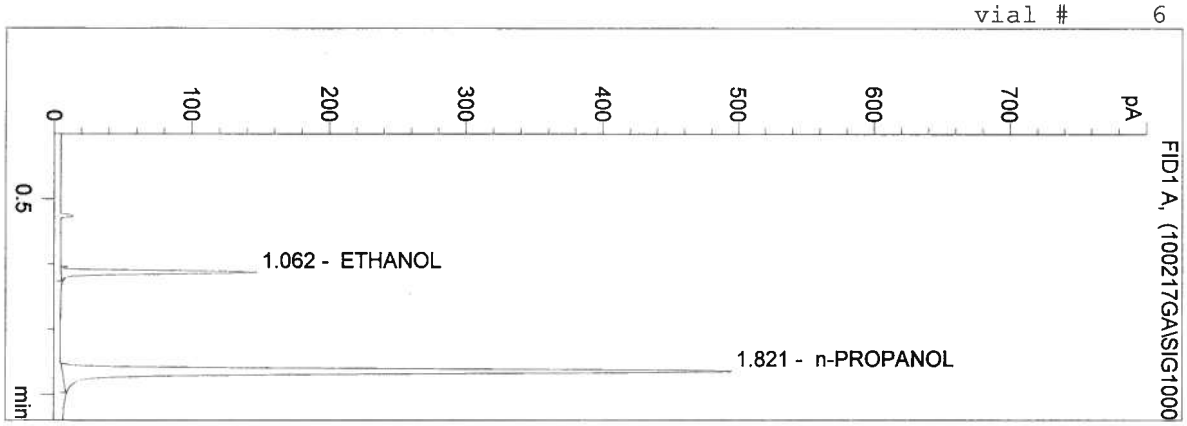
WASHINGTON STATE TOXICOLOGY LABORATORY

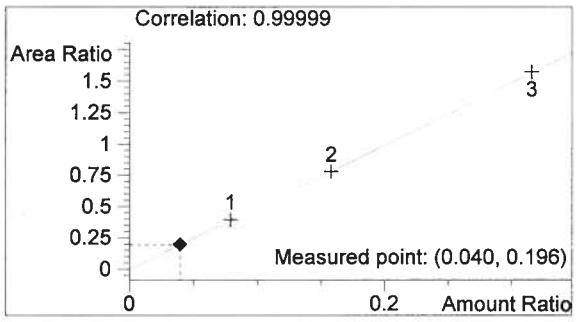
C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:33:18 PM
Instrument 3
db-alc2

0.04 CTRL- GA
Gwynyth Almendarez

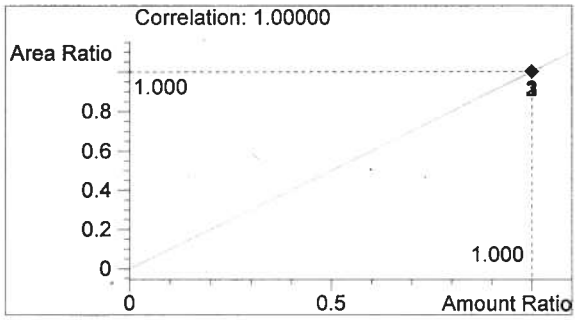
vial # 6



#	Compound	Area	RT
1	ETHANOL	264	1.062
2	n-PROPANOL	1347	1.821
Totals:			



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

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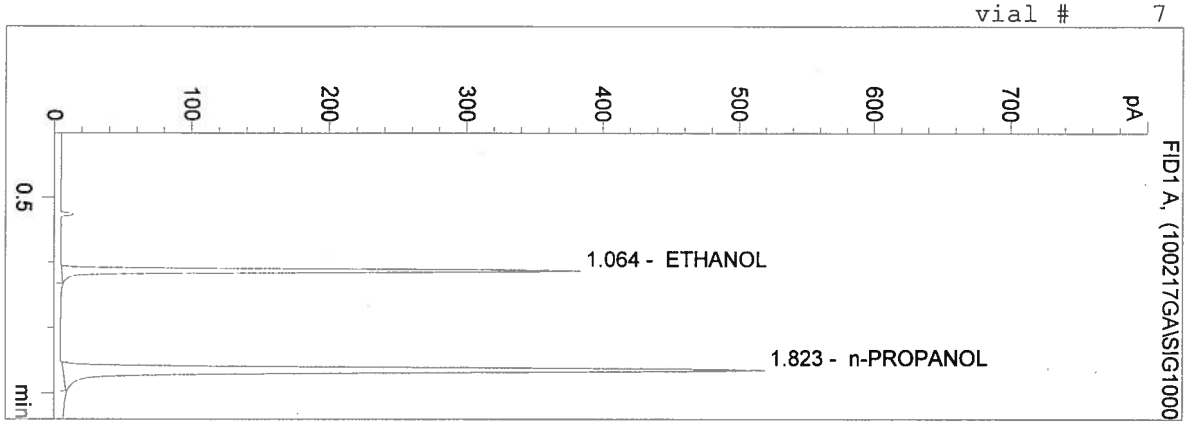
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:36:25 PM
Instrument 3
db-alc2

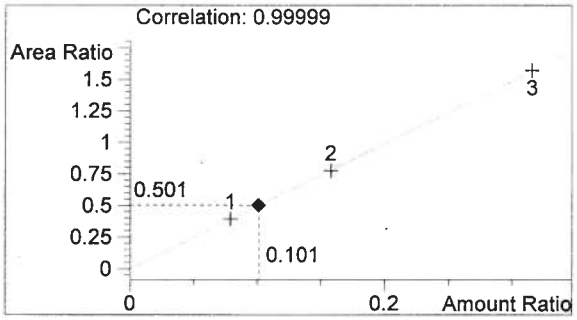
0.10 CTRL- GA
Gwynyth Almendarez

vial # 7

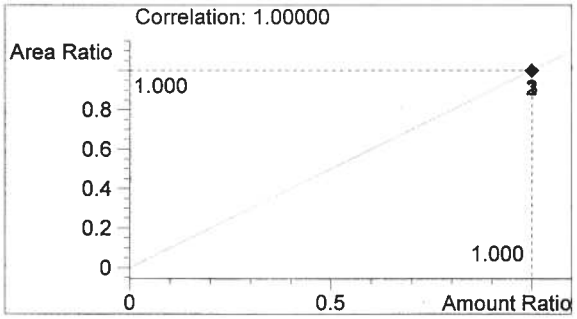


#	Compound	Area	RT
1	ETHANOL	706	1.064
2	n-PROPANOL	1411	1.823

Totals:



ETHANOL 0.101 g/100ml



n-PROPANOL 1.000 g/100ml

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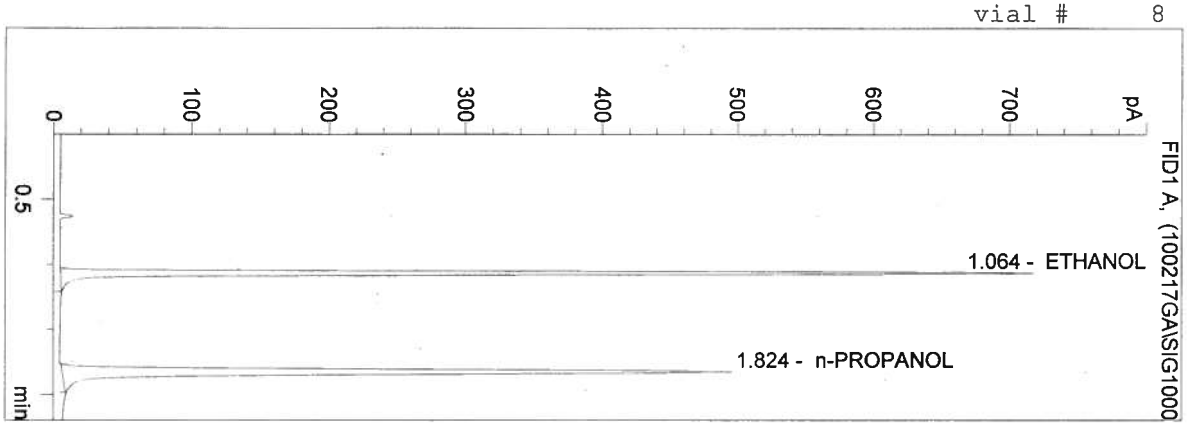
10006
10007
10008
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:39:32 PM
Instrument 3
db-alc2

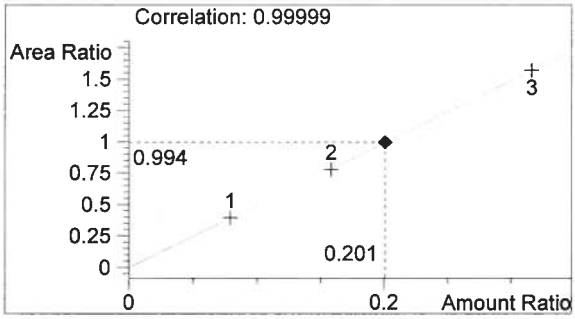
0.20 CTRL- GA
Gwynyth Almendarez

vial # 8

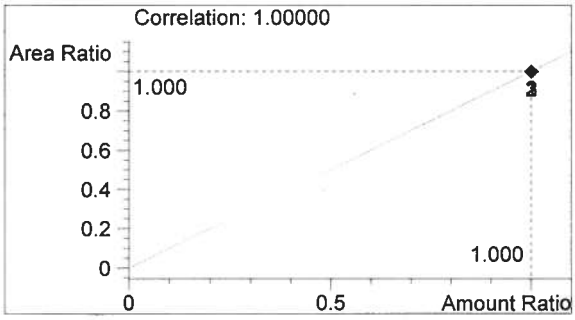


#	Compound	Area	RT
1	ETHANOL	1334	1.064
2	n-PROPANOL	1342	1.824

Totals:



ETHANOL 0.201 g/100ml



n-PROPANOL 1.000 g/100ml

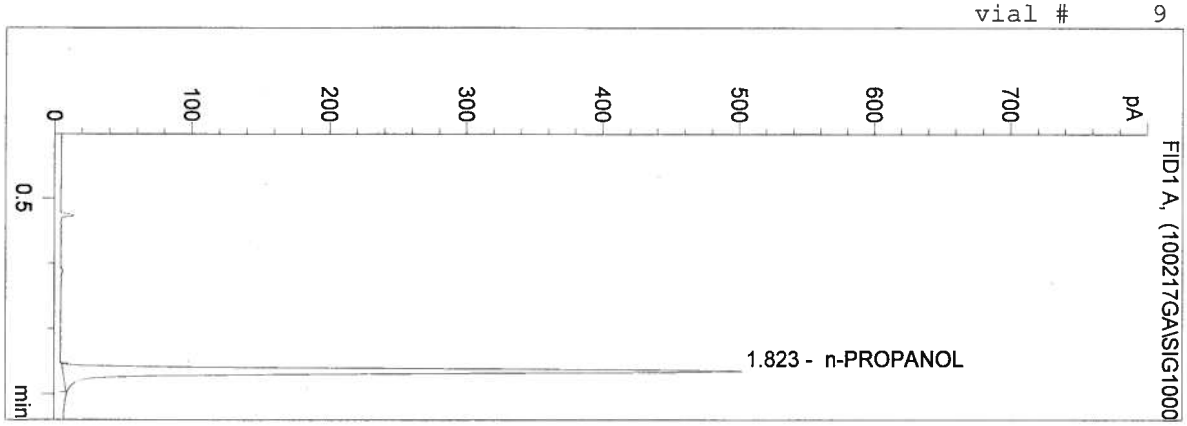
10005
10006
10007
10008
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:42:39 PM
Instrument 3
db-alc2

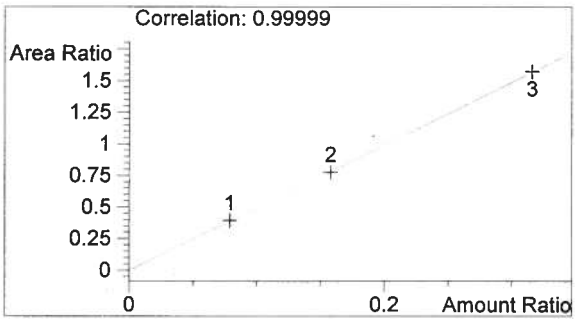
NEG CTRL- GA
Gwynyth Almendarez

vial # 9

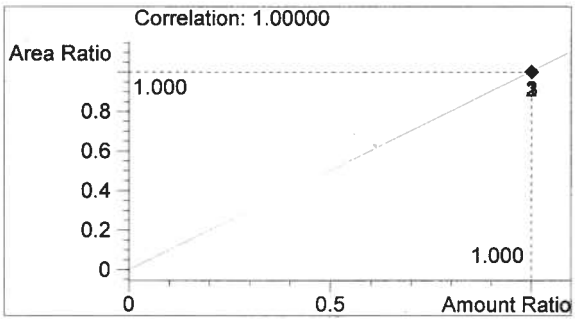


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1363	1.823

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10005

10006

10007

10008

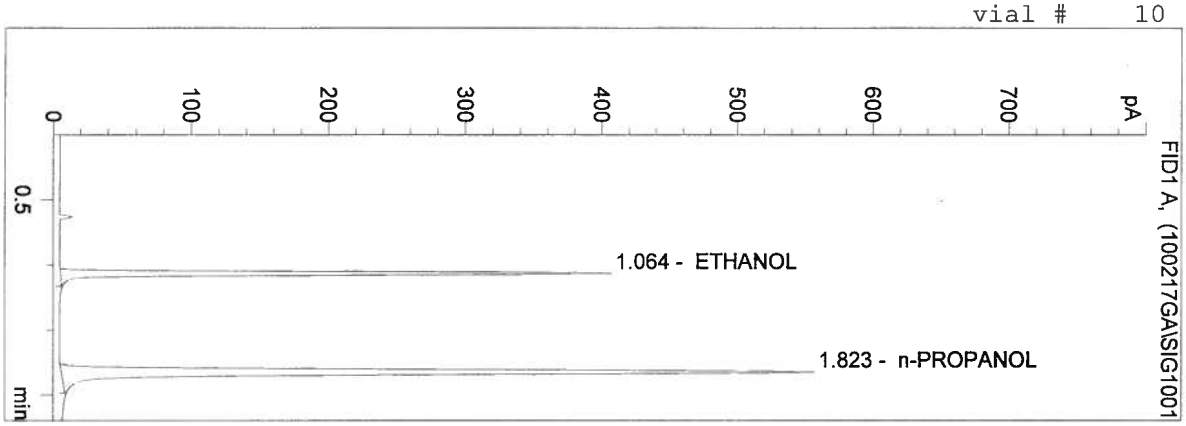
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:45:46 PM
Instrument 3
db-alc2

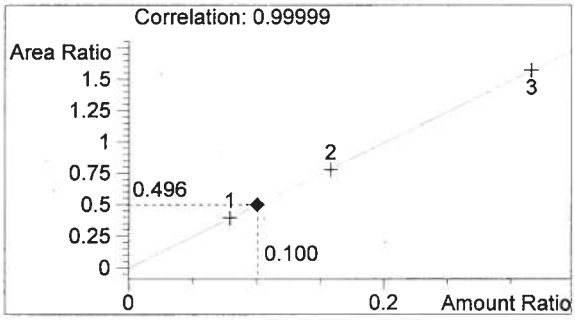
10005 #1
Gwynyth Almendarez

vial # 10

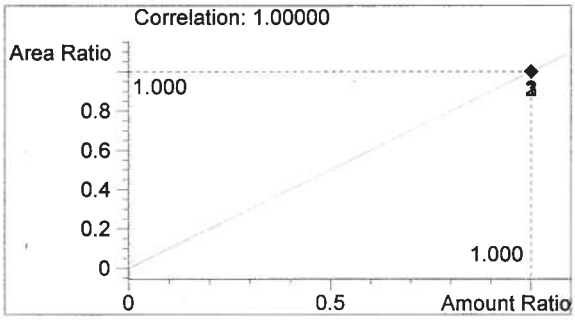


#	Compound	Area	RT
1	ETHANOL	752	1.064
2	n-PROPANOL	1515	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

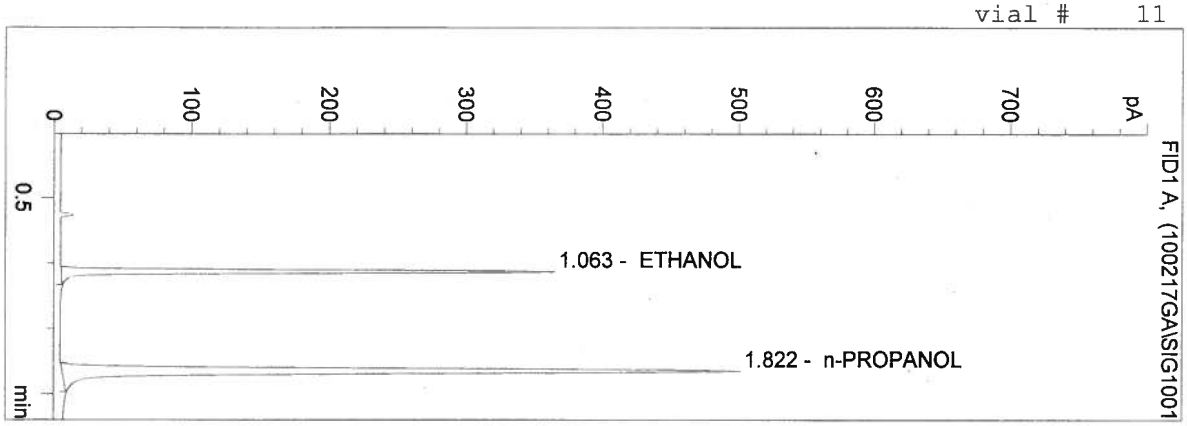
Ger

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:48:53 PM
Instrument 3
db-alc2

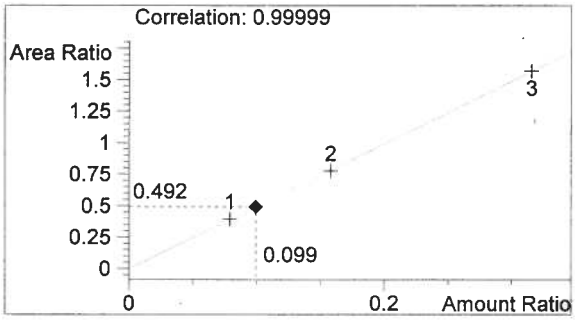
10005 #2
Gwynyth Almendarez

vial # 11

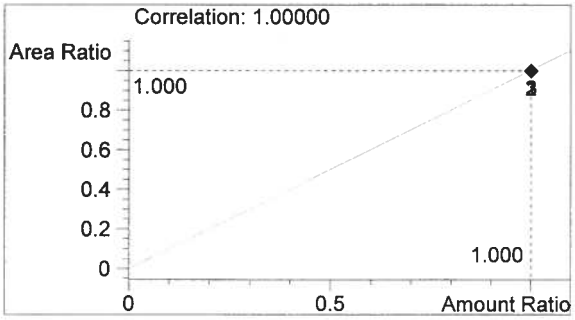


#	Compound	Area	RT
1	ETHANOL	670	1.063
2	n-PROPANOL	1363	1.822

Totals:



ETHANOL 0.099 g/100ml



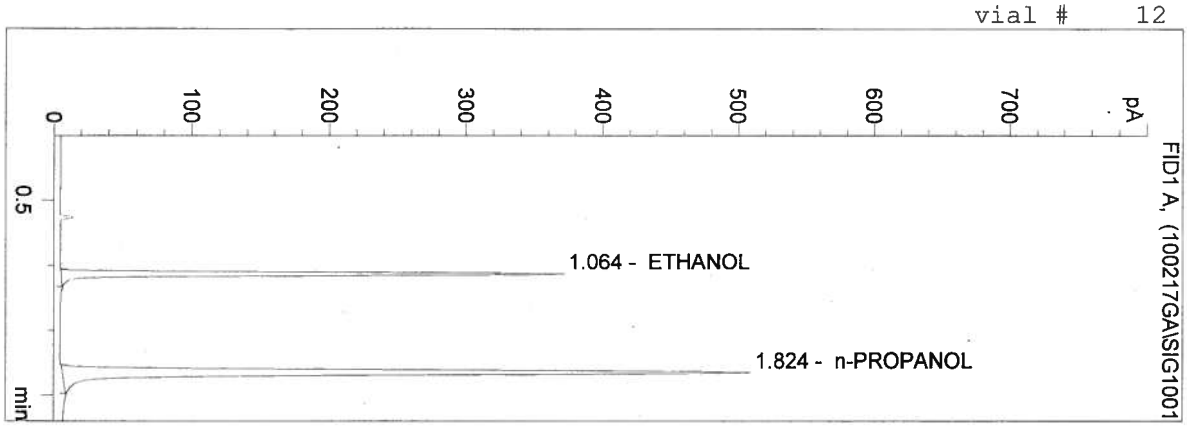
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:52:01 PM
Instrument 3
db-alc2

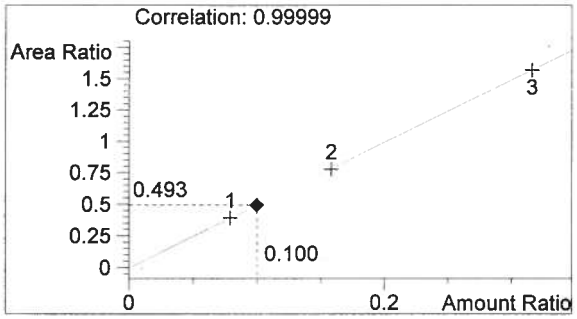
10005 #3
Gwynyth Almendarez

vial # 12

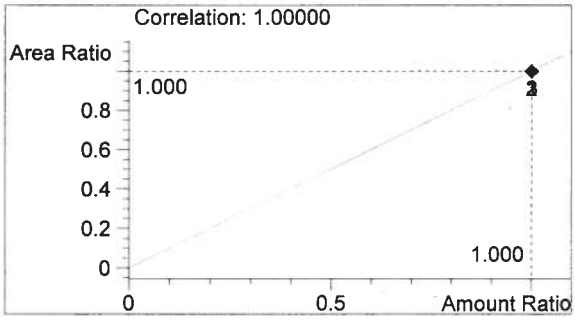


#	Compound	Area	RT
1	ETHANOL	682	1.064
2	n-PROPANOL	1382	1.824

Totals:



ETHANOL 0.100 g/100ml



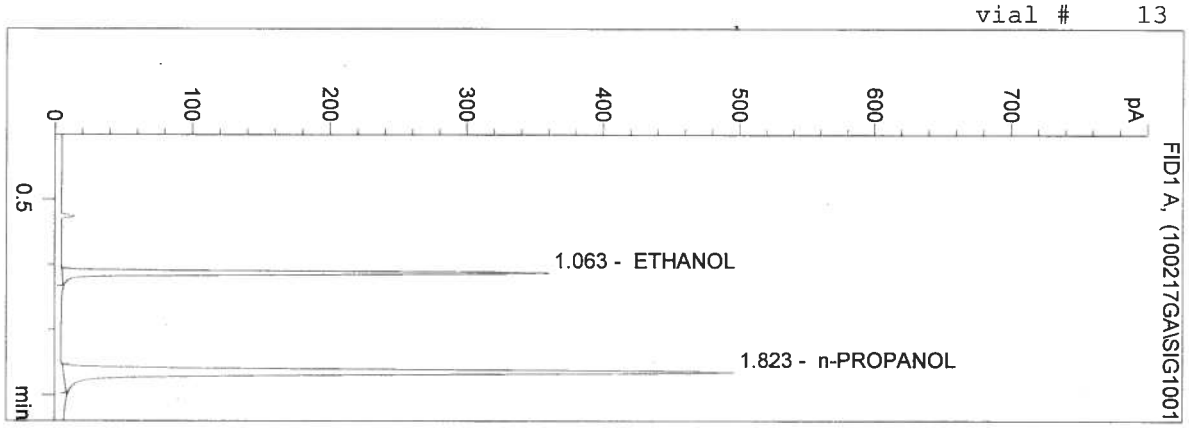
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:55:08 PM
Instrument 3
db-alc2

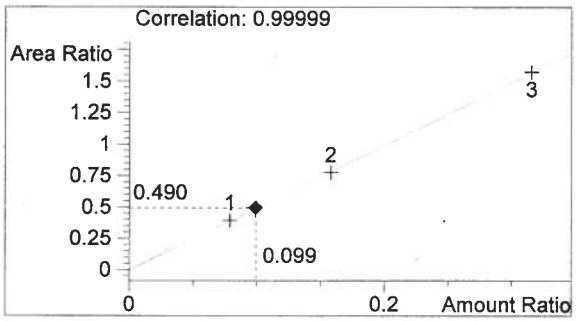
10005 #4
Gwynyth Almendarez

vial # 13

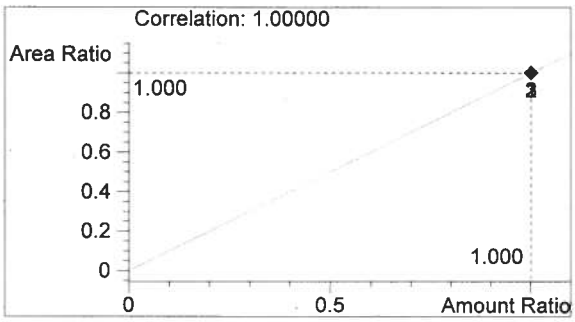


#	Compound	Area	RT
1	ETHANOL	660	1.063
2	n-PROPANOL	1347	1.823

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

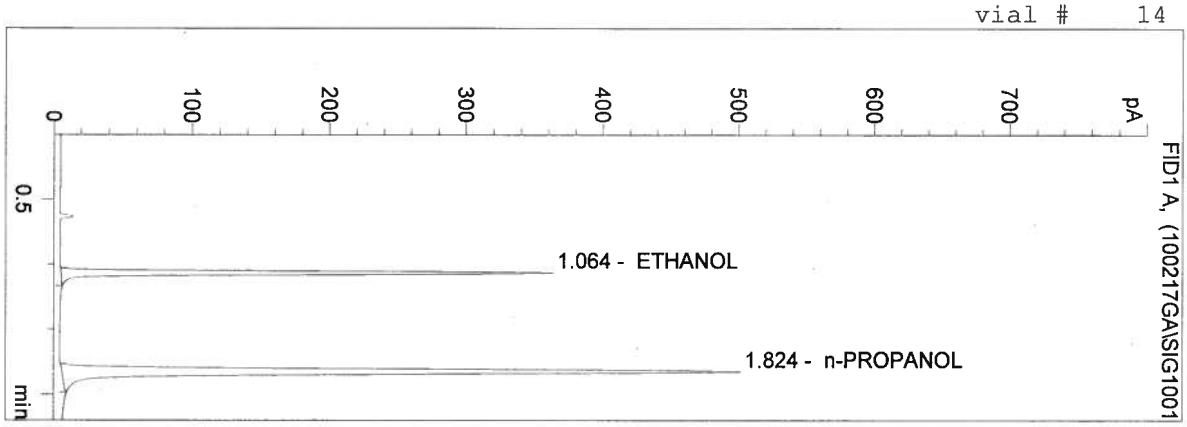
MSa

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 12:58:15 PM
Instrument 3
db-alc2

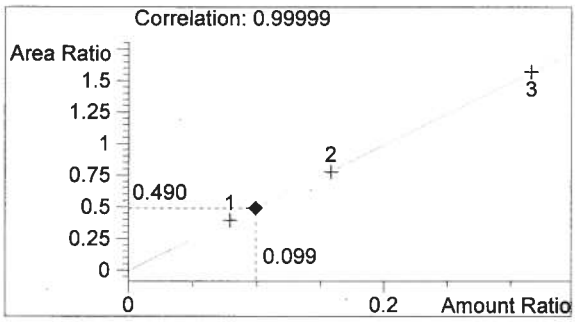
10005 #5
Gwynyth Almendarez

vial # 14

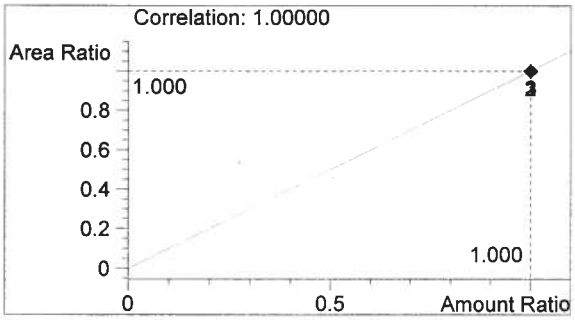


#	Compound	Area	RT
1	ETHANOL	669	1.064
2	n-PROPANOL	1366	1.824

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

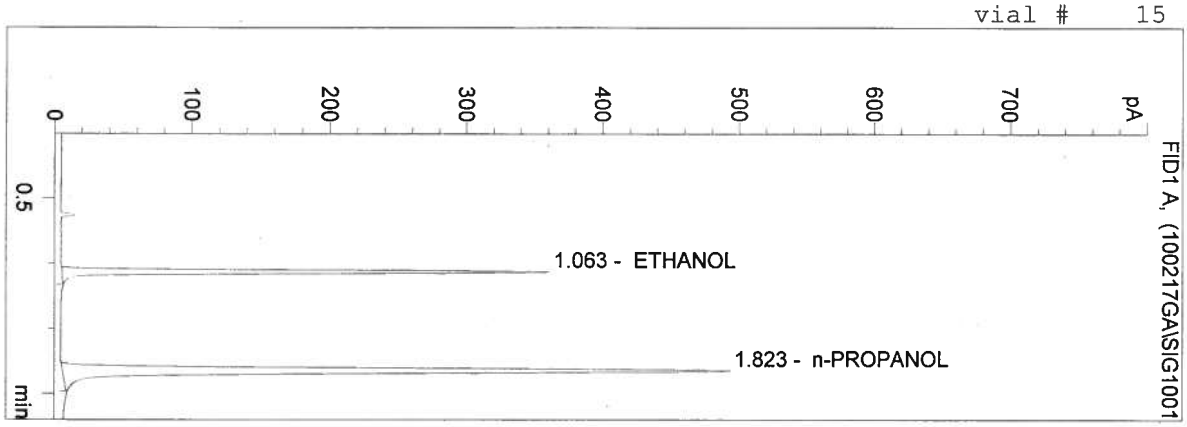
Be

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 1:01:22 PM
Instrument 3
db-alc2

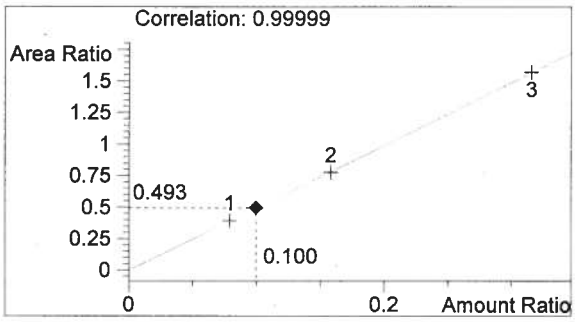
0.10 CTRL- GA
Gwynyth Almendarez

vial # 15

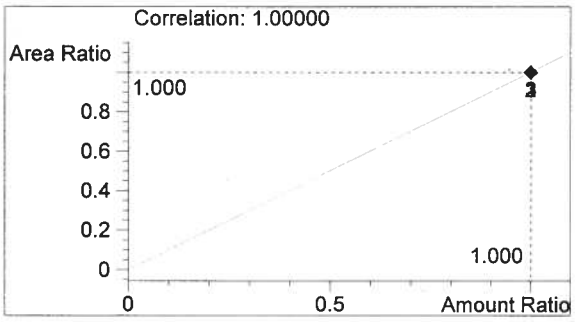


#	Compound	Area	RT
1	ETHANOL	661	1.063
2	n-PROPANOL	1341	1.823

Totals:



ETHANOL 0.100 g/100ml



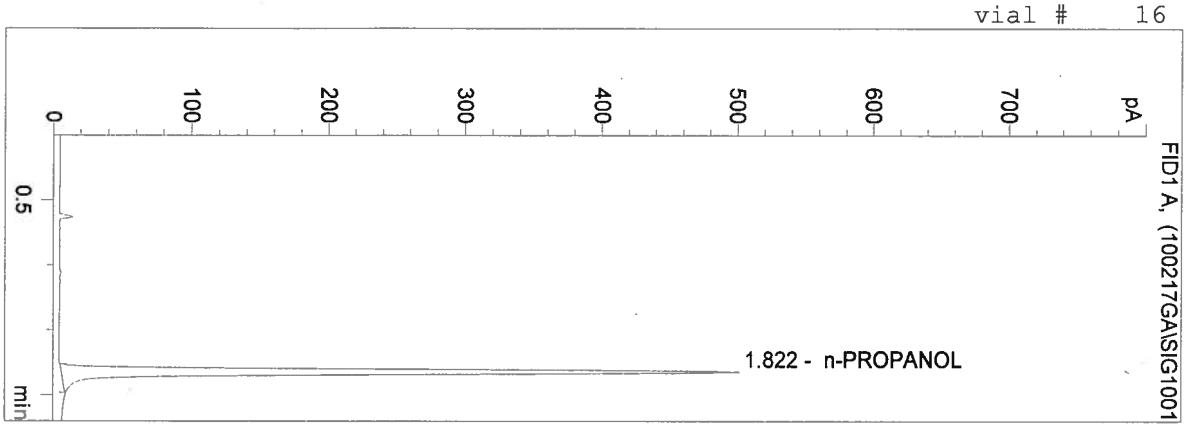
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/17/2010 1:04:29 PM
Instrument 3
db-alc2

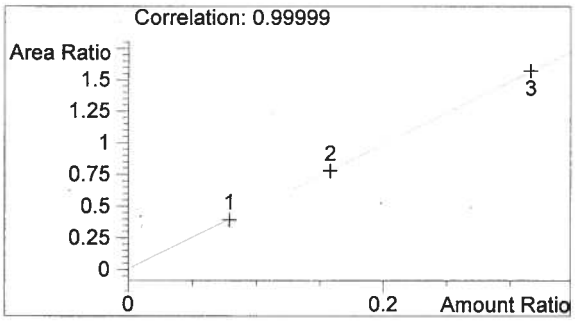
NEG CTRL- GA
Gwynyth Almendarez

vial # 16

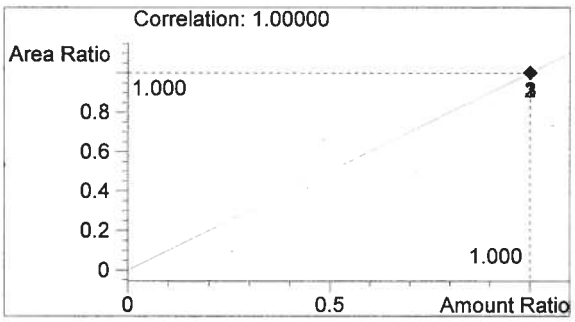


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1366	1.822

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10005

Sequence: C:\HPCHEM\1\SEQUENCE\BBQAPS2.S

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:	100218BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A067397 - exp 09/2013
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	QAP0.08 10005 #1	SIMALC	1	Sample		
11	Vial 11	QAP0.08 10005 #2	SIMALC	1	Sample		
12	Vial 12	QAP0.08 10005 #3	SIMALC	1	Sample		
13	Vial 13	QAO0.08 10005 #4	SIMALC	1	Sample		
14	Vial 14	QAP0.08 10005 #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	QAP0.04 10006 #1	SIMALC	1	Sample		
18	Vial 18	QAP0.04 10006 #2	SIMALC	1	Sample		
19	Vial 19	QAP0.04 10006 #3	SIMALC	1	Sample		
20	Vial 20	QAP0.04 10006 #4	SIMALC	1	Sample		
21	Vial 21	QAP0.04 10006 #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	QAP0.08 10007 #1	SIMALC	1	Sample		
25	Vial 25	QAP0.08 10007 #2	SIMALC	1	Sample		
26	Vial 26	QAP0.08 10007 #3	SIMALC	1	Sample		
27	Vial 27	QAP0.08 10007 #4	SIMALC	1	Sample		
28	Vial 28	QAP0.08 10007 #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	QAP0.10 10008 #1	SIMALC	1	Sample		
32	Vial 32	QAP0.10 10008 #2	SIMALC	1	Sample		

BB
Calibration and control data in QH folder 10005.

10005
10006
10007
10008
10009

Sequence: C:\HPCHEM\1\SEQUENCE\BBQAPS2.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.10 10008 #3	SIMALC	1	Sample		
34	Vial 34	QAP0.10 10008 #4	SIMALC	1	Sample		
35	Vial 35	QAP0.10 10008 #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		
38	Vial 38	QAP0.15 10009 #1	SIMALC	1	Sample		
39	Vial 39	QAP0.15 10009 #2	SIMALC	1	Sample		
40	Vial 40	QAP0.15 10009 #3	SIMALC	1	Sample		
41	Vial 41	QAP0.15 10009 #4	SIMALC	1	Sample		
42	Vial 42	QAP0.15 10009 #5	SIMALC	1	Sample		
43	Vial 43	0.10 CTRL- BB	SIMALC	1	Ctrl Samp		
44	Vial 44	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

10005

10006

10007

10008

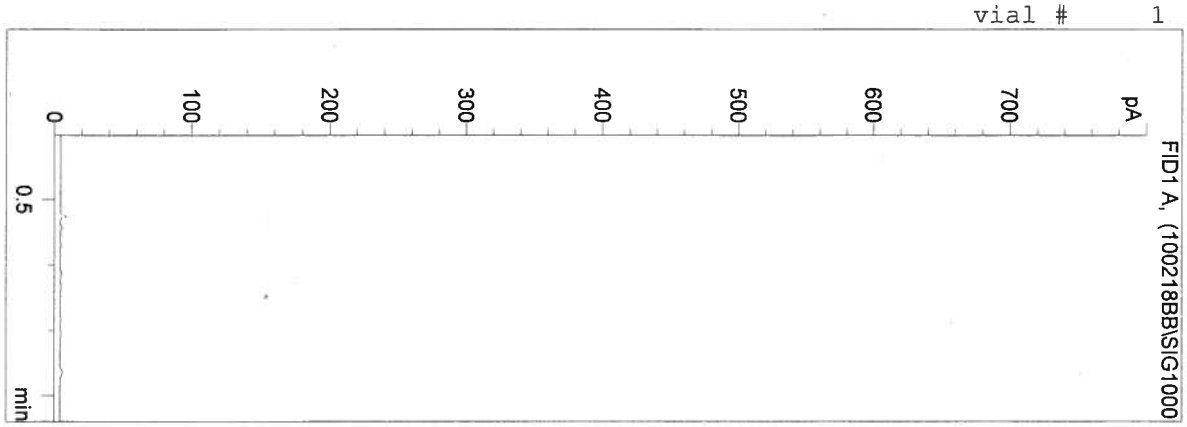
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/18/2010 2:08:52 PM
Instrument 3
db-alc2

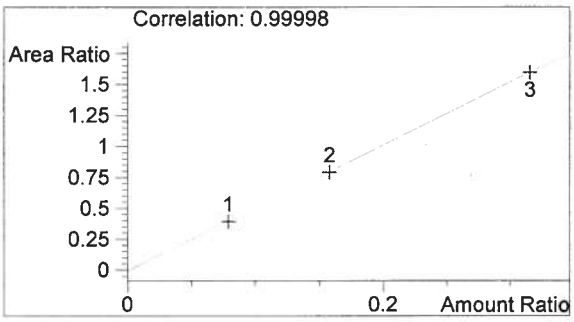
BLANK
BRITTANY BALL

vial # 1

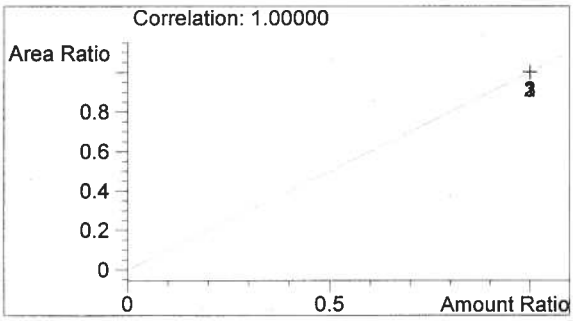


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

BB

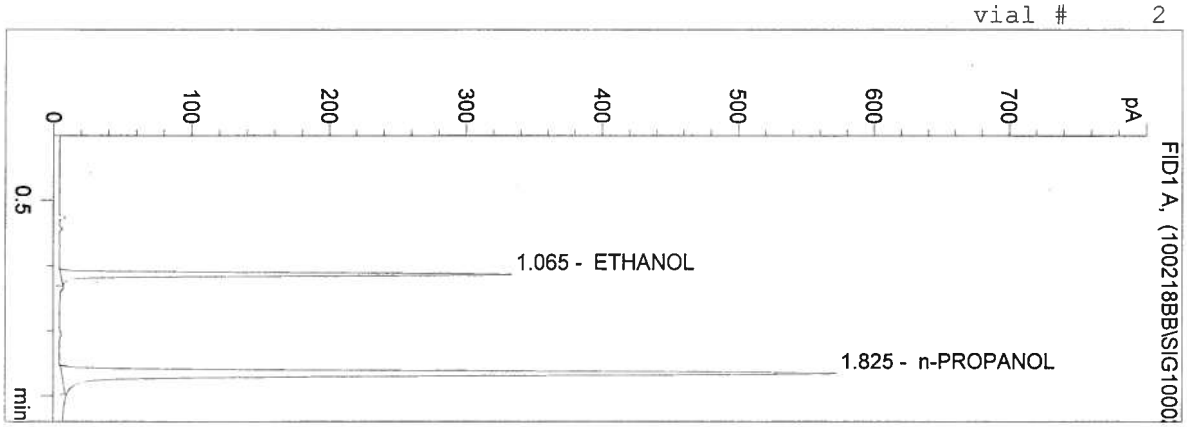
10005
10006
10007
10008
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/18/2010 2:11:59 PM
Instrument 3
db-alc2

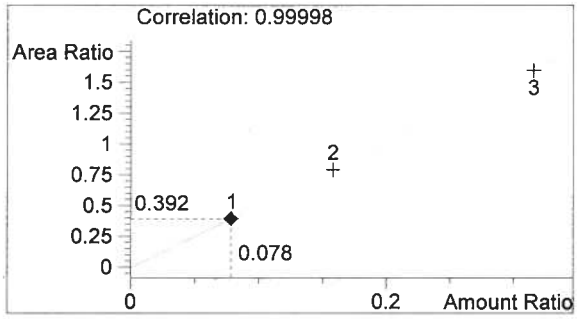
0.079 CAL 1
BRITTANY BALL

vial # 2

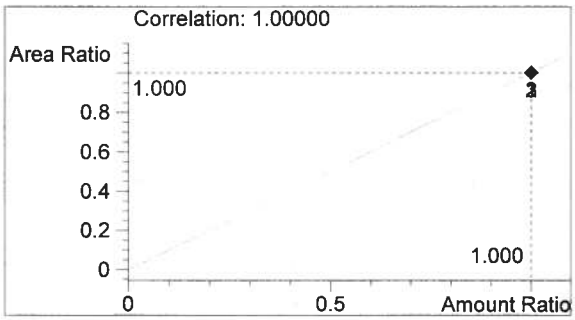


#	Compound	Area	RT
1	ETHANOL	605	1.065
2	n-PROPANOL	1545	1.825

Totals:



ETHANOL 0.078 g/100ml



n-PROPANOL 1.000 g/100ml

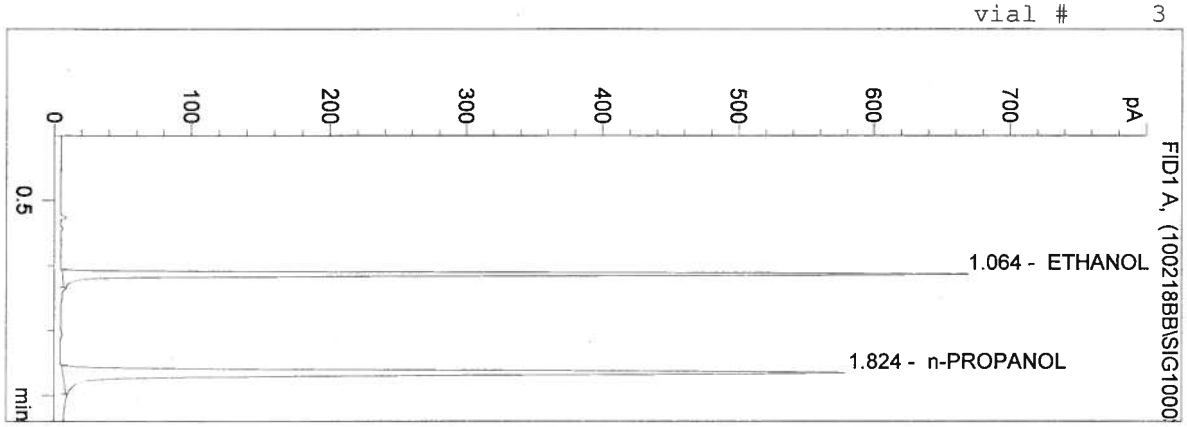
=10005
=10006
=10007
=10008
=10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/18/2010 2:15:06 PM
Instrument 3
db-alc2

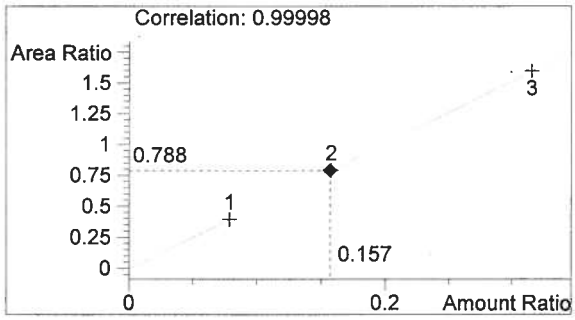
0.158 CAL 2
BRITTANY BALL

vial # 3

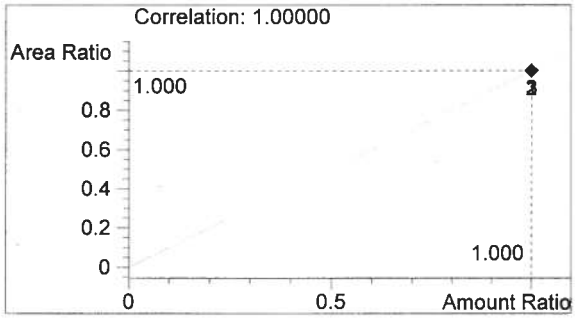


#	Compound	Area	RT
1	ETHANOL	1233	1.064
2	n-PROPANOL	1564	1.824

Totals:



ETHANOL 0.157 g/100ml



n-PROPANOL 1.000 g/100ml

BB

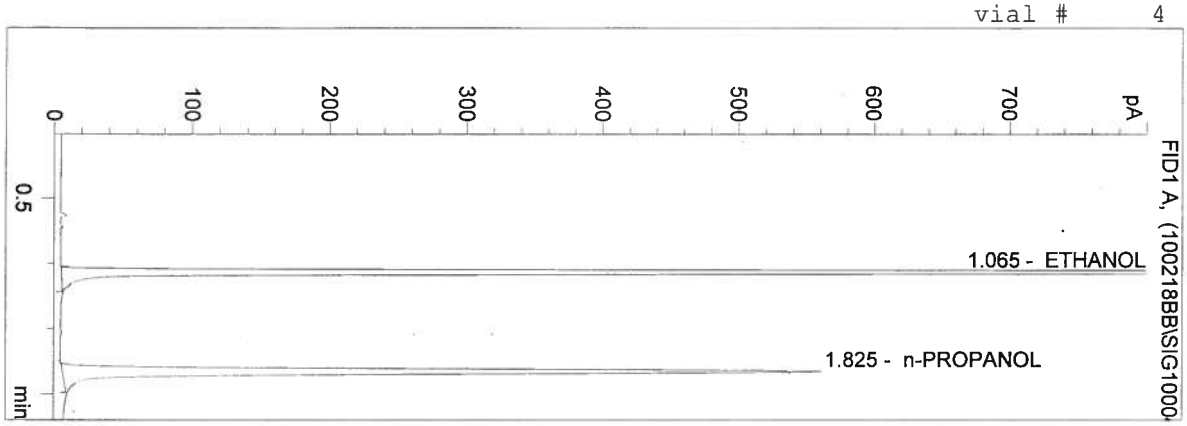
10005
10006
10007
10008
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/18/2010 2:18:13 PM
Instrument 3
db-alc2

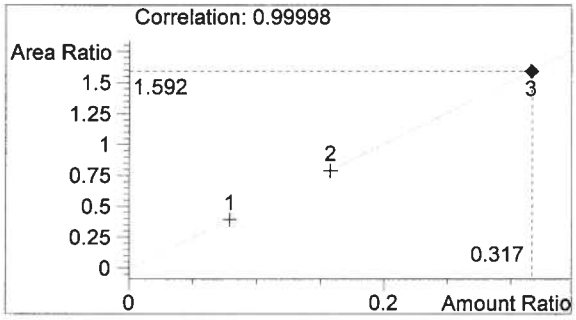
0.316 CAL 3
BRITTANY BALL

vial # 4

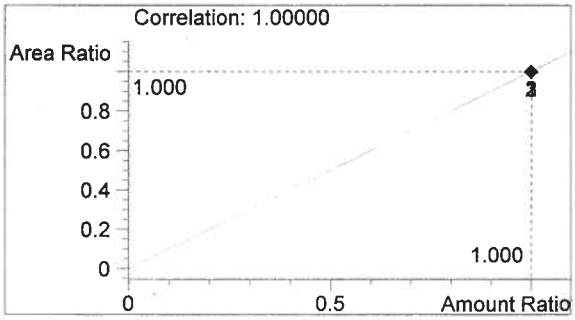


#	Compound	Area	RT
1	ETHANOL	2409	1.065
2	n-PROPANOL	1513	1.825

Totals:



ETHANOL 0.317 g/100ml



n-PROPANOL 1.000 g/100ml

10005
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WASHINGTON STATE TOXICOLOGY LABORATORY

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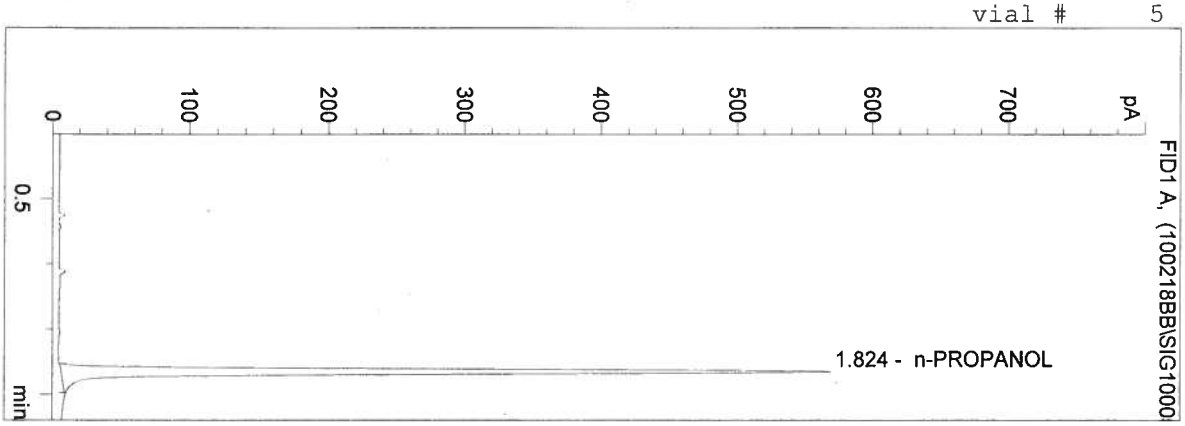
2/18/2010 2:21:21 PM
Instrument 3
db-alc2

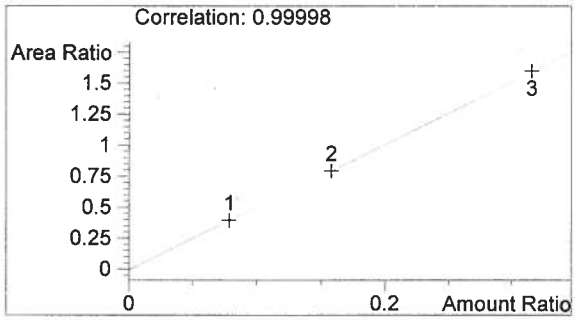
NEG CTRL- BB
BRITTANY BALL

vial # 5

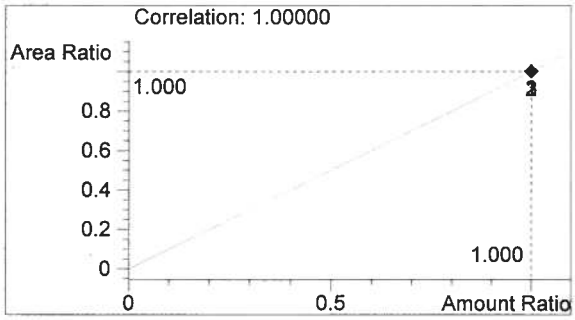


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1539	1.824

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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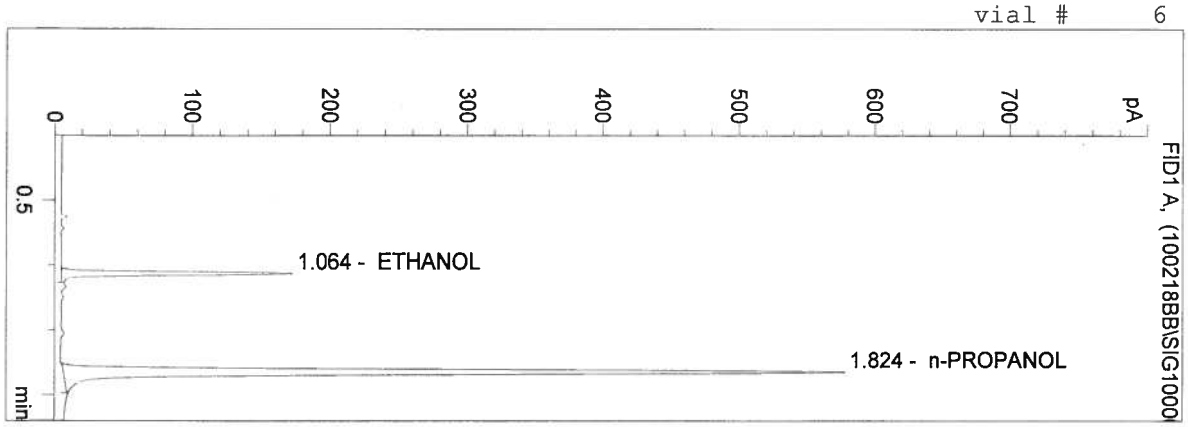
Instrument 3
db-alc2

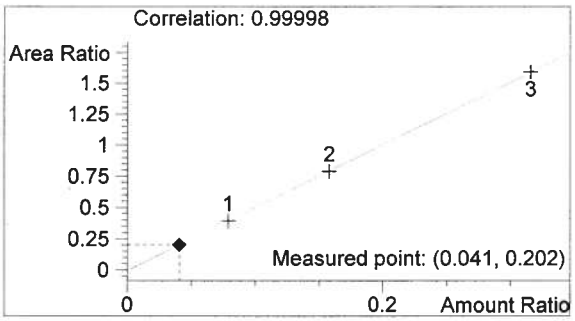
0.04 CTRL- BB
BRITTANY BALL

vial # 6

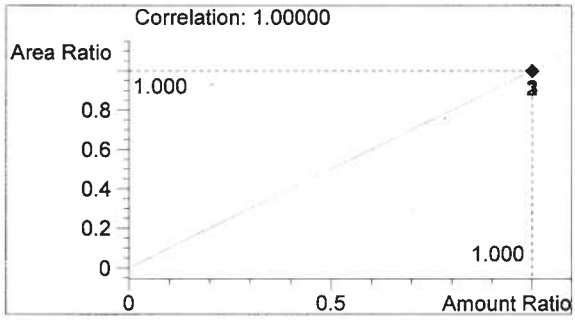


#	Compound	Area	RT
1	ETHANOL	316	1.064
2	n-PROPANOL	1564	1.824

Totals:



ETHANOL 0.041 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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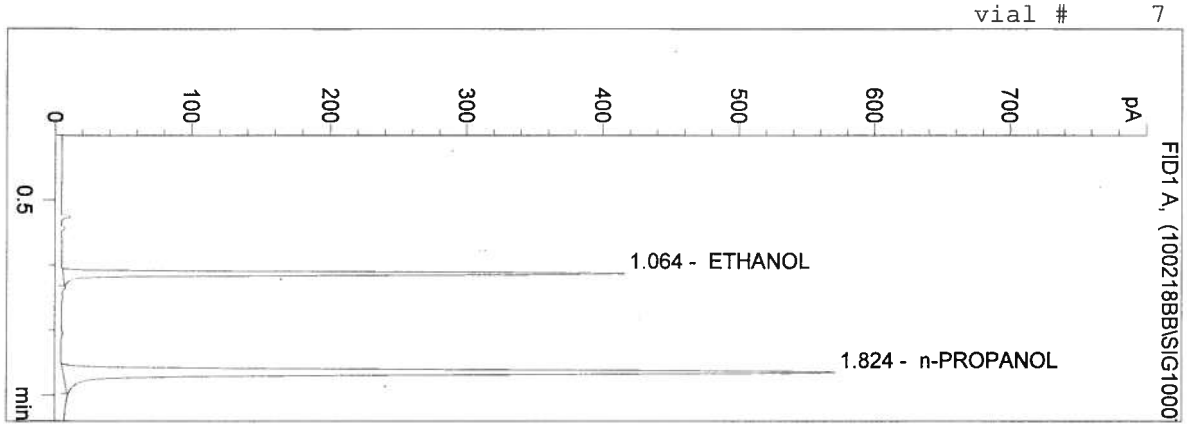
Instrument 3
db-alc2

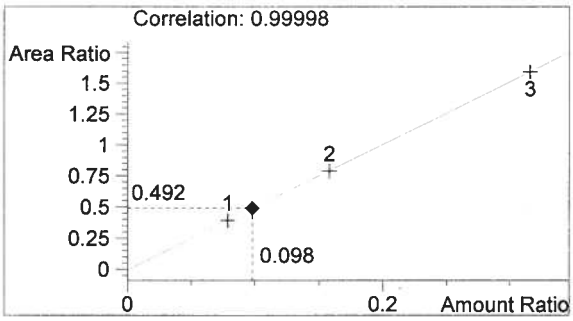
0.10 CTRL- BB
BRITTANY BALL

vial # 7

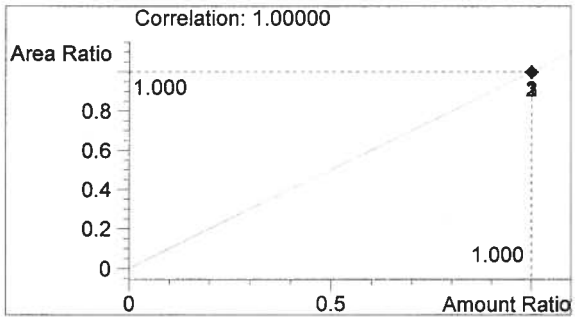


#	Compound	Area	RT
1	ETHANOL	765	1.064
2	n-PROPANOL	1555	1.824

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

BB

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WASHINGTON STATE TOXICOLOGY LABORATORY

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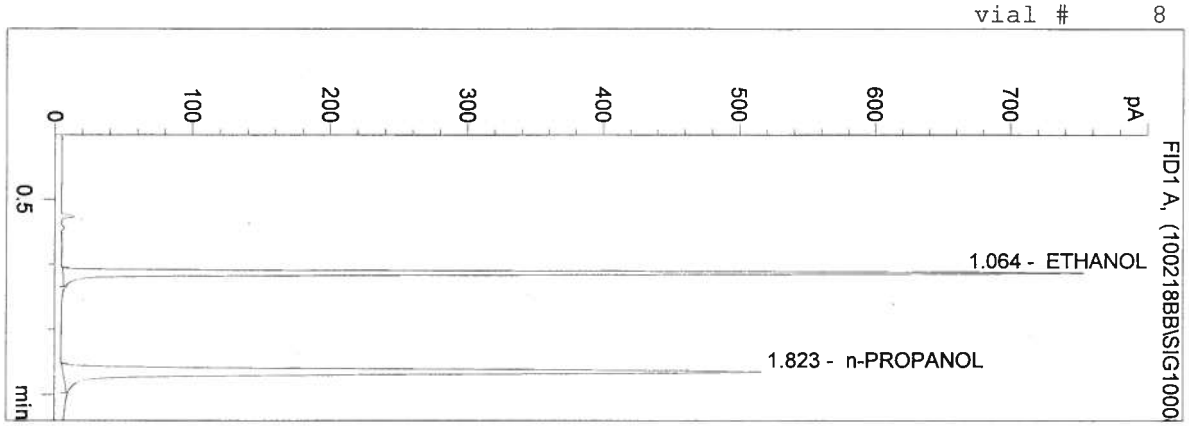
Instrument 3
db-alc2

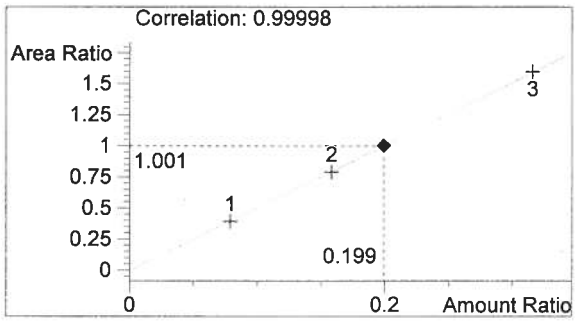
0.20 CTRL- BB
BRITTANY BALL

vial # 8

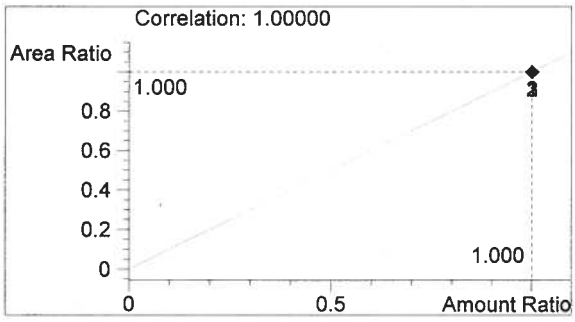


#	Compound	Area	RT
1	ETHANOL	1409	1.064
2	n-PROPANOL	1408	1.823

Totals:



ETHANOL 0.199 g/100ml



n-PROPANOL 1.000 g/100ml

BB

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WASHINGTON STATE TOXICOLOGY LABORATORY

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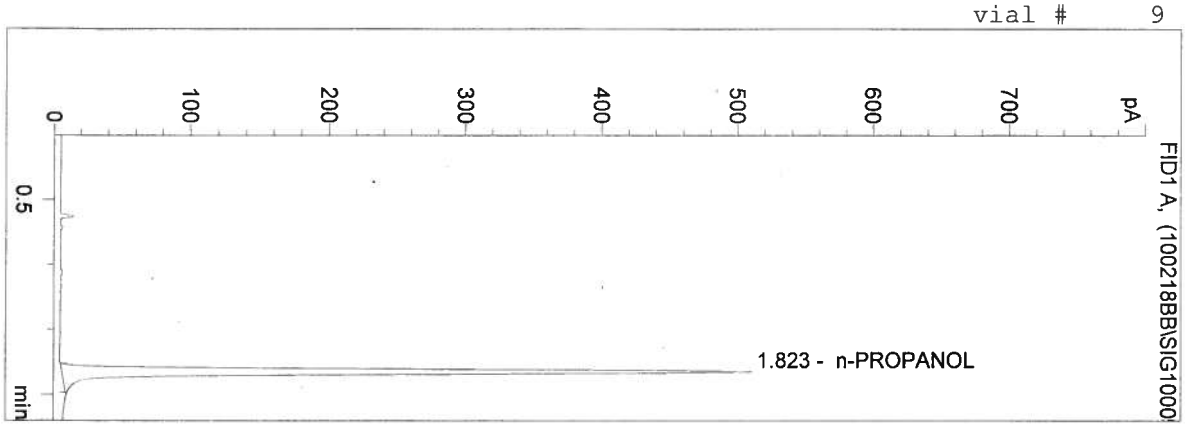
Instrument 3
db-alc2

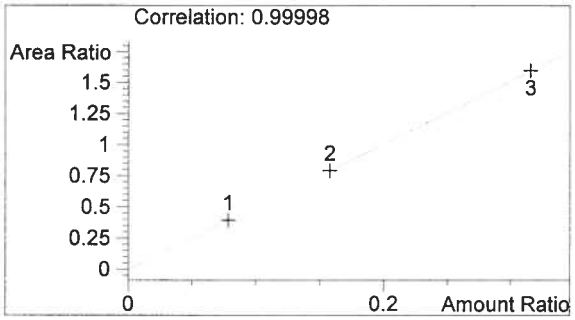
NEG CTRL- BB
BRITTANY BALL

vial # 9



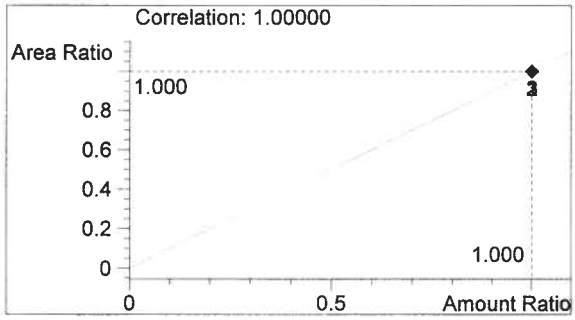
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1394	1.823

Totals:



ETHANOL 0.000 g/100ml

BB



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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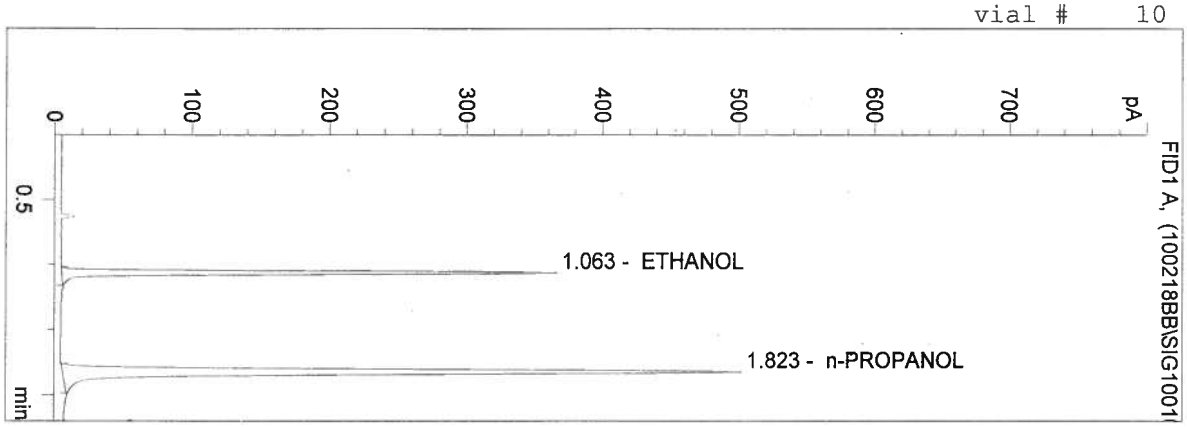
Instrument 3
db-alc2

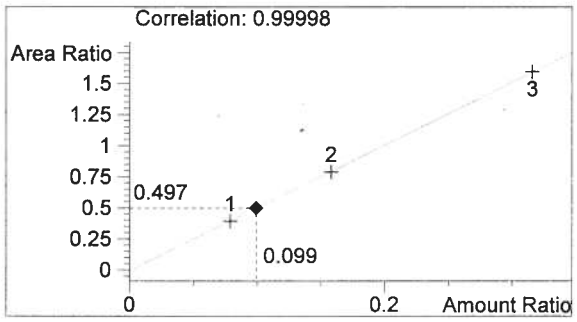
QAP0.08 10005 #1
BRITTANY BALL

vial # 10

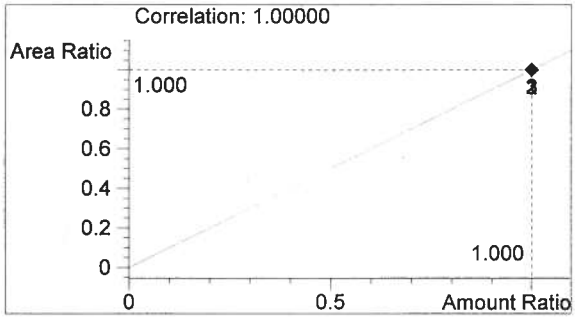


#	Compound	Area	RT
1	ETHANOL	683	1.063
2	n-PROPANOL	1372	1.823

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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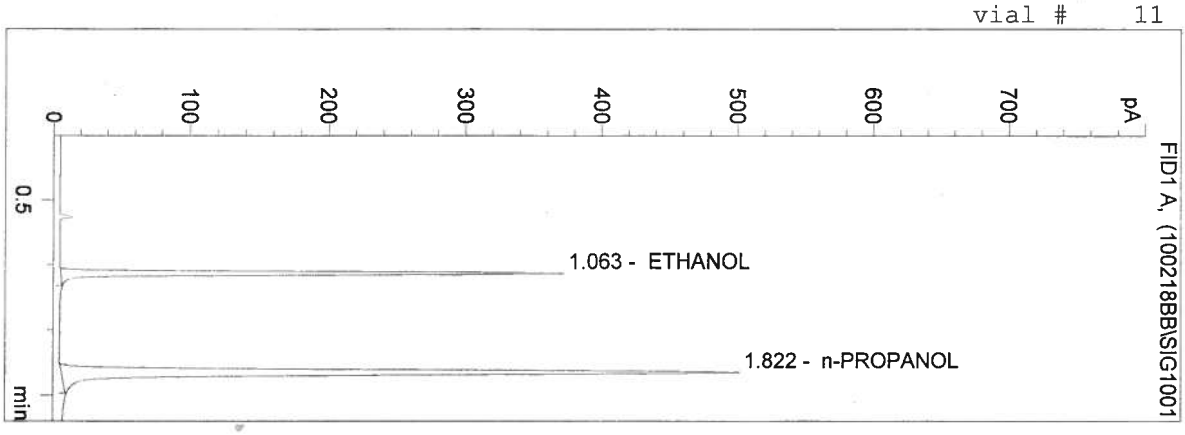
Instrument 3
db-alc2

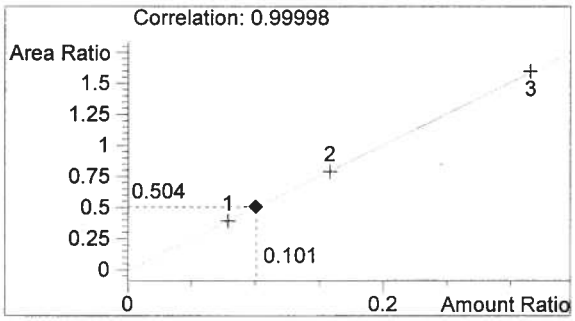
QAP0.08 10005 #2
BRITTANY BALL

vial # 11

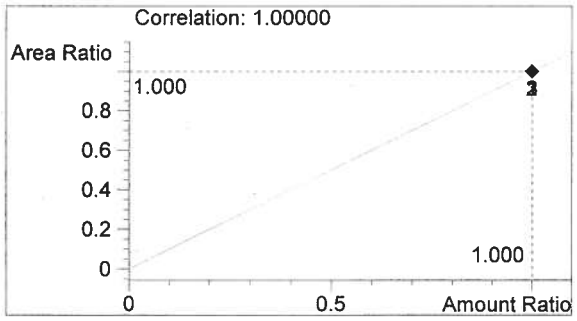


#	Compound	Area	RT
1	ETHANOL	688	1.063
2	n-PROPANOL	1366	1.822

Totals:



ETHANOL 0.101 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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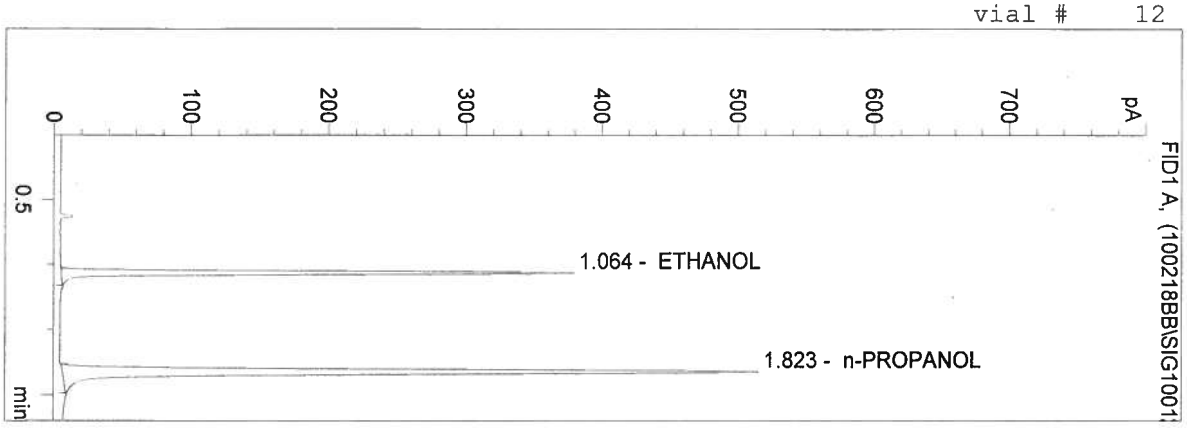
Instrument 3
db-alc2

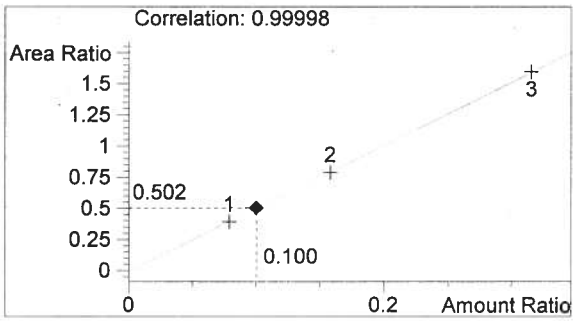
QAP0.08 10005 #3
BRITTANY BALL

vial # 12

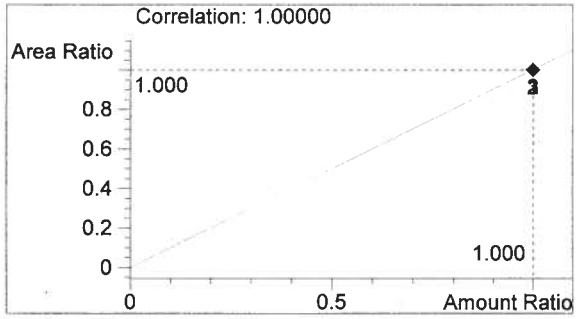


#	Compound	Area	RT
1	ETHANOL	704	1.064
2	n-PROPANOL	1401	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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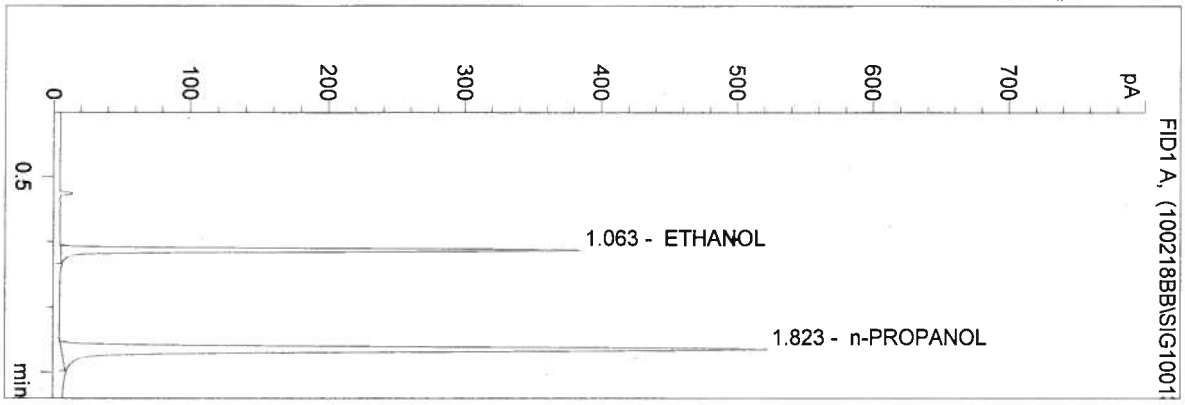
Instrument 3
db-alc2

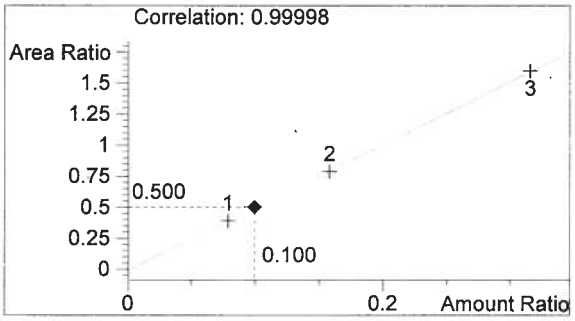
QAO0.08 10005 #4
BRITTANY BALL

vial # 13

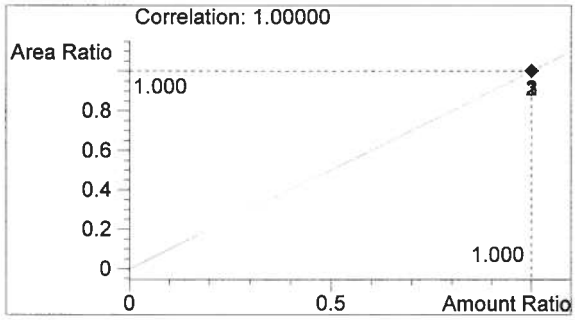


#	Compound	Area	RT
1	ETHANOL	712	1.063
2	n-PROPANOL	1425	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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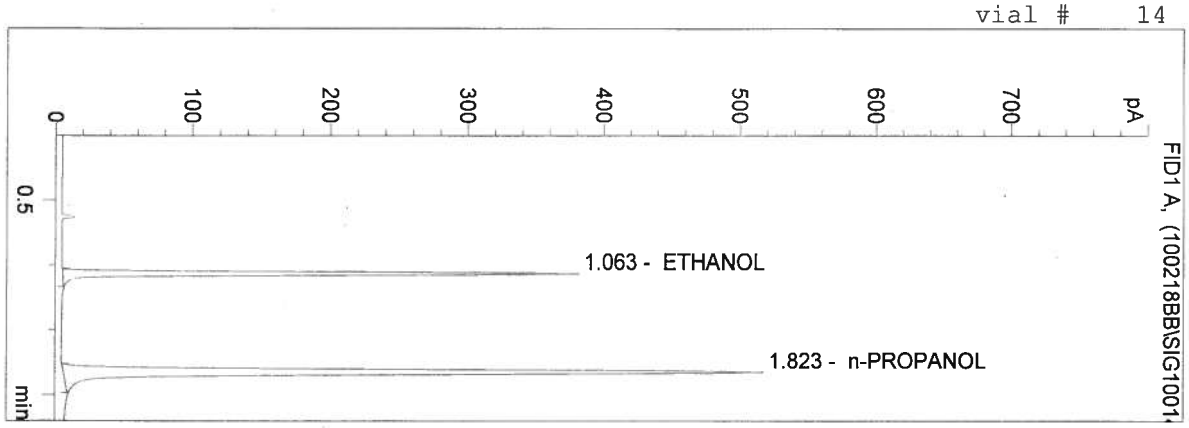
Instrument 3
db-alc2

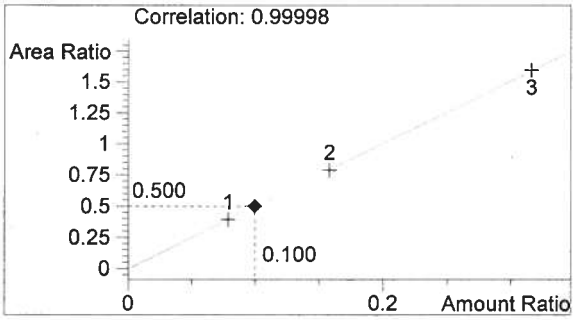
QAP0.08 10005 #5
BRITTANY BALL

vial # 14

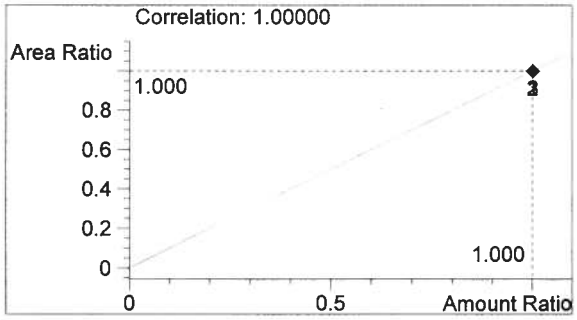


#	Compound	Area	RT
1	ETHANOL	703	1.063
2	n-PROPANOL	1407	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BB

WASHINGTON STATE TOXICOLOGY LABORATORY

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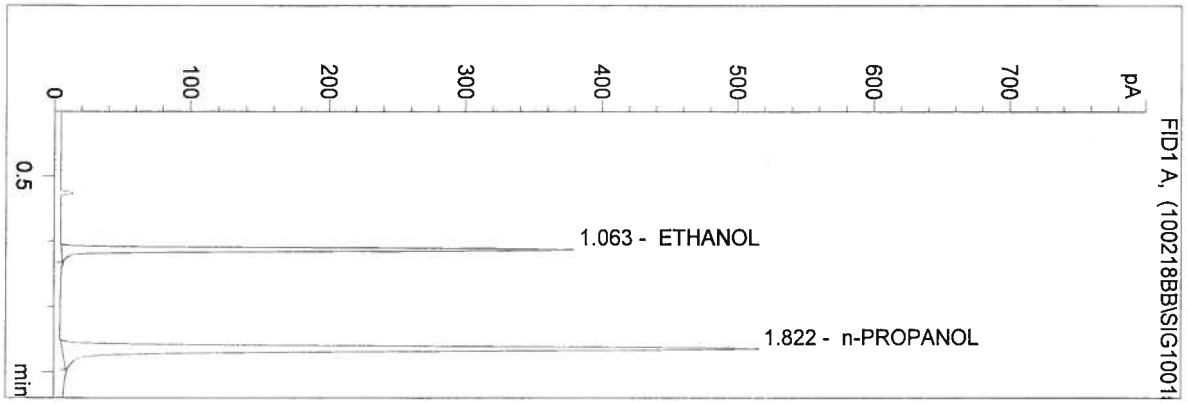
Instrument 3
db-alc2

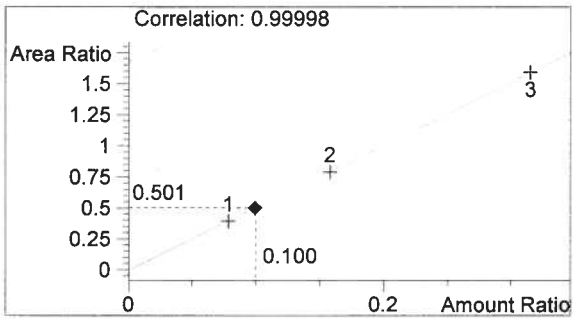
0.10 CTRL- BB
BRITTANY BALL

vial # 15

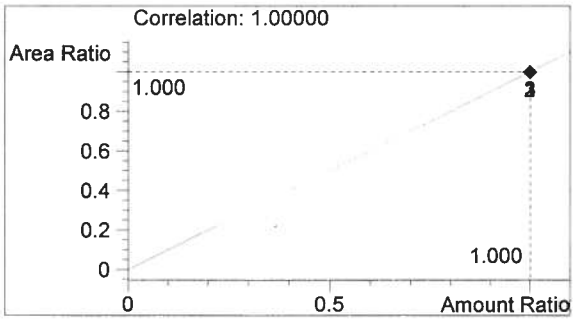


#	Compound	Area	RT
1	ETHANOL	704	1.063
2	n-PROPANOL	1406	1.822

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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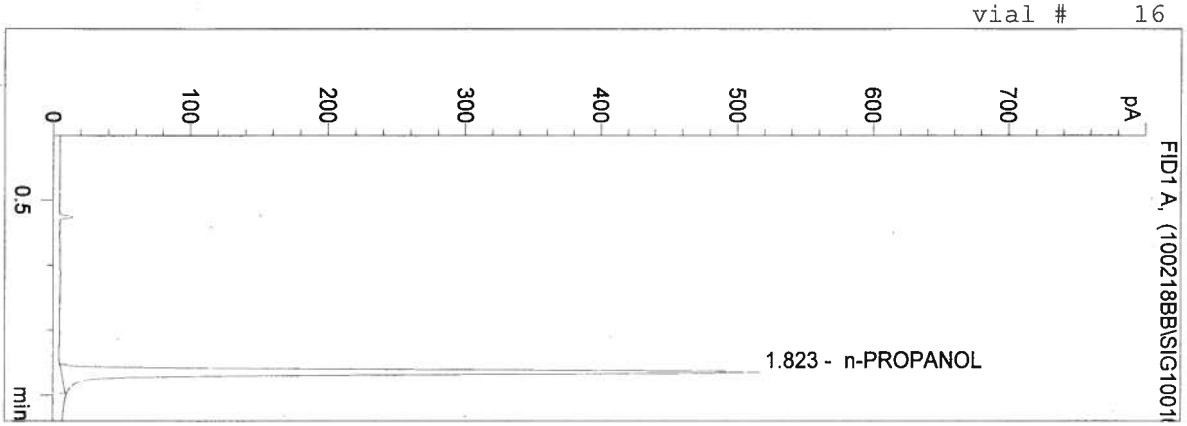
Instrument 3
db-alc2

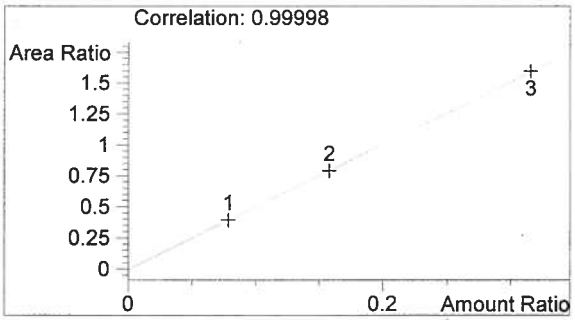
NEG CTRL- BB
BRITTANY BALL

vial # 16

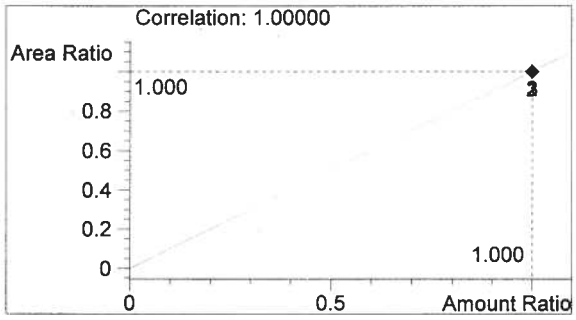


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1410	1.823

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

BB

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:	100219BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 control Lot#A067397 - exp 09/2013
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 BP	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BP	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BP	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL BP	SIMALC	1	Ctrl Samp		
10	Vial 10	QA10005-1	SIMALC	1	Sample		
11	Vial 11	QA10005-2	SIMALC	1	Sample		
12	Vial 12	QA10005-3	SIMALC	1	Sample		
13	Vial 13	QA10005-4	SIMALC	1	Sample		
14	Vial 14	QA10005-5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL BP	SIMALC	1	Ctrl Samp		
17	Vial 17	QA10006-1	SIMALC	1	Sample		
18	Vial 18	QA10006-2	SIMALC	1	Sample		
19	Vial 19	QA10006-3	SIMALC	1	Sample		
20	Vial 20	QA10006-4	SIMALC	1	Sample		
21	Vial 21	QA10006-5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL BP	SIMALC	1	Ctrl Samp		
24	Vial 24	QA10007-1	SIMALC	1	Sample		
25	Vial 25	QA10007-2	SIMALC	1	Sample		
26	Vial 26	QA10007-3	SIMALC	1	Sample		
27	Vial 27	QA10007-4	SIMALC	1	Sample		
28	Vial 28	QA10007-5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL BP	SIMALC	1	Ctrl Samp		
31	Vial 31	QA10008-1	SIMALC	1	Sample		
32	Vial 32	QA10008-2	SIMALC	1	Sample		

= 10005
= 10006
= 10007
= 10008
= 10009

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QA10008-3	SIMALC	1	Sample		
34	Vial 34	QA10008-4	SIMALC	1	Sample		
35	Vial 35	QA10008-5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL BP	SIMALC	1	Ctrl Samp		
38	Vial 38	QA10009-1	SIMALC	1	Sample		
39	Vial 39	QA10009-2	SIMALC	1	Sample		
40	Vial 40	QA10009-3	SIMALC	1	Sample		
41	Vial 41	QA10009-4	SIMALC	1	Sample		
42	Vial 42	QA10009-5	SIMALC	1	Sample		
43	Vial 43	0.10 CTRL BP	SIMALC	1	Ctrl Samp		
44	Vial 44	NEG CTRL BP	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!

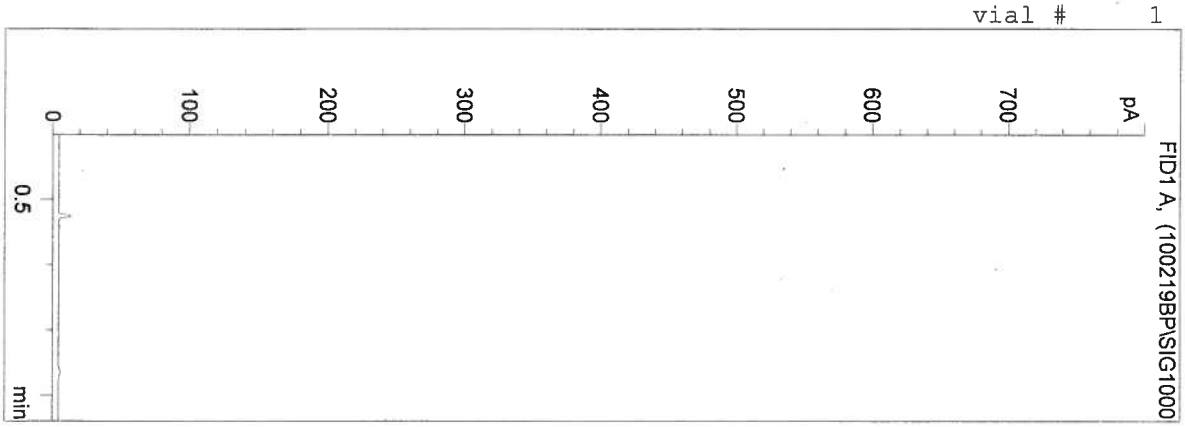
10005
10006
10007
10008
10009

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/19/2010 3:42:21 PM
Instrument 3
db-alc2

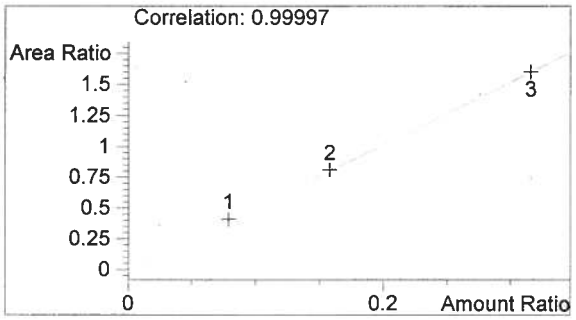
BLANK
Brianna Peterson

vial # 1

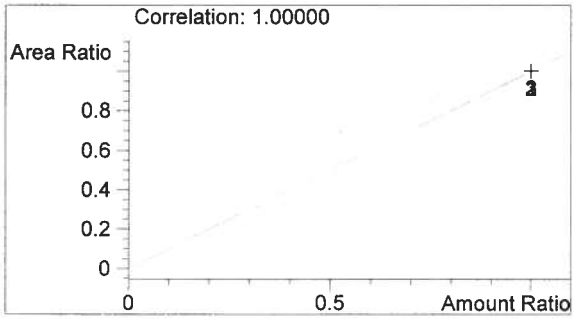


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

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BP

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WASHINGTON STATE TOXICOLOGY LABORATORY

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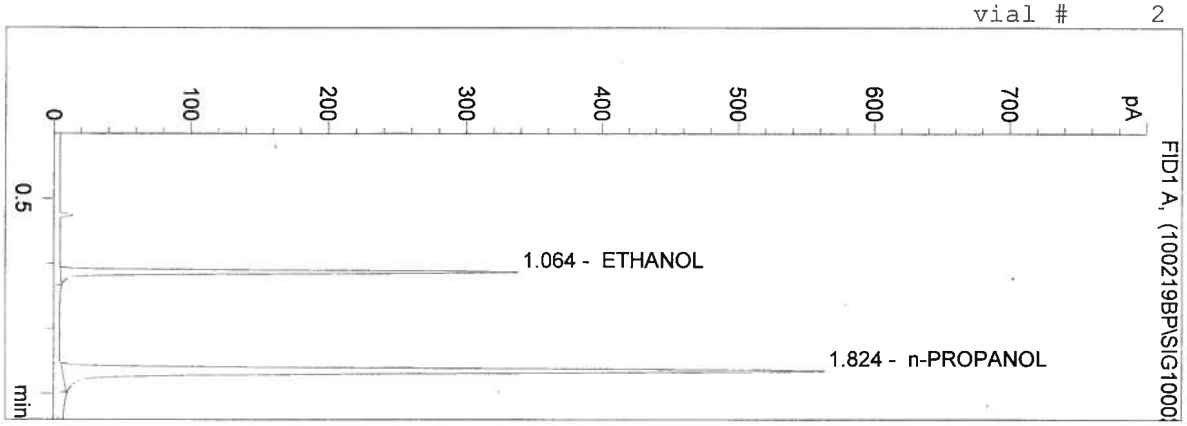
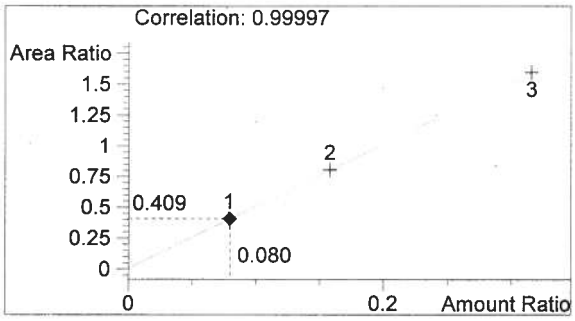
2/19/2010 3:45:28 PM
Instrument 3
db-alc2

0.079 CAL 1
Brianna Peterson

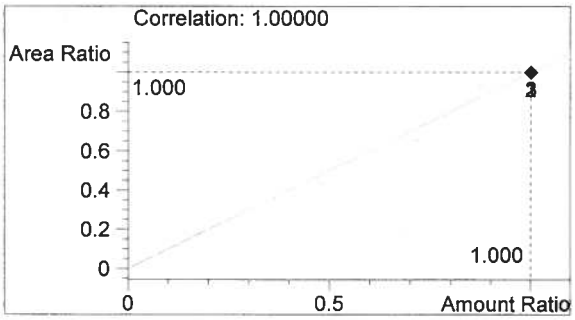
vial # 2



#	Compound	Area	RT
1	ETHANOL	624	1.064
2	n-PROPANOL	1524	1.824
Totals:			



ETHANOL 0.080 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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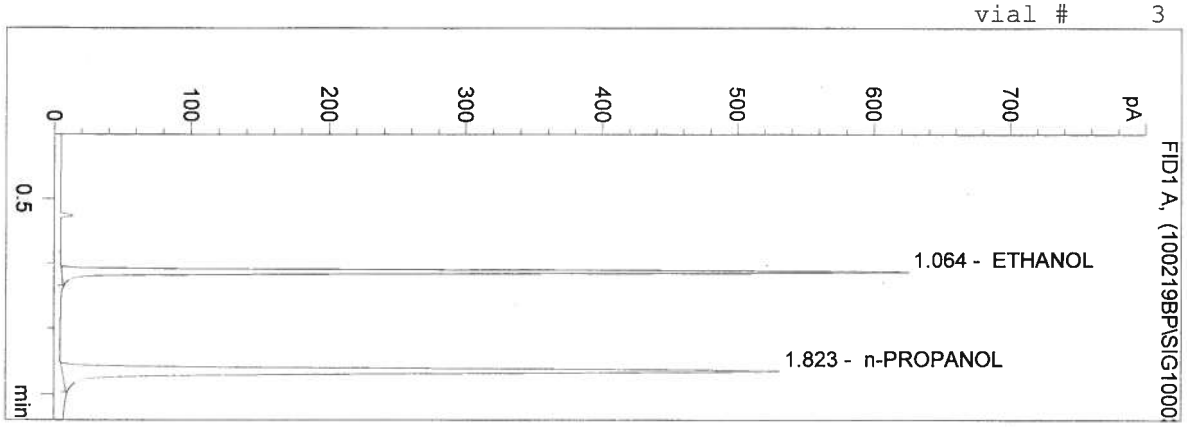
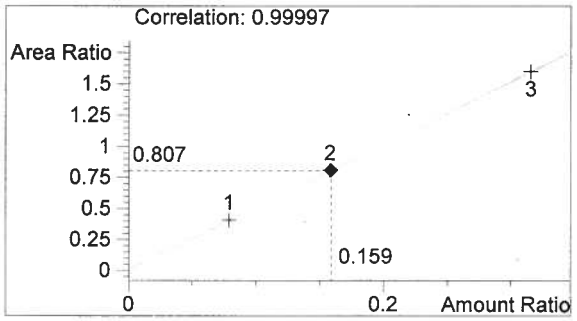
Instrument 3
db-alc2

0.158 CAL 2
Brianna Peterson

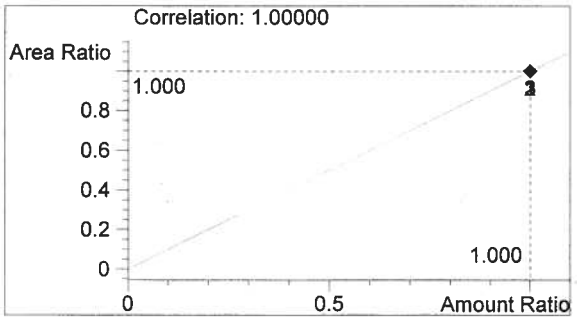
vial # 3



#	Compound	Area	RT
1	ETHANOL	1165	1.064
2	n-PROPANOL	1444	1.823
Totals:			



ETHANOL 0.159 g/100ml



n-PROPANOL 1.000 g/100ml

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10006
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WASHINGTON STATE TOXICOLOGY LABORATORY

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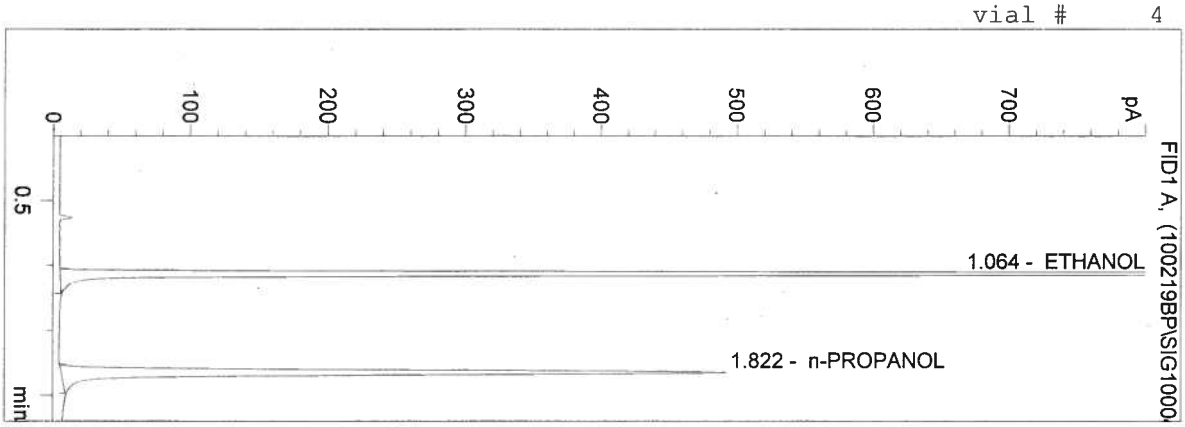
Instrument 3
db-alc2

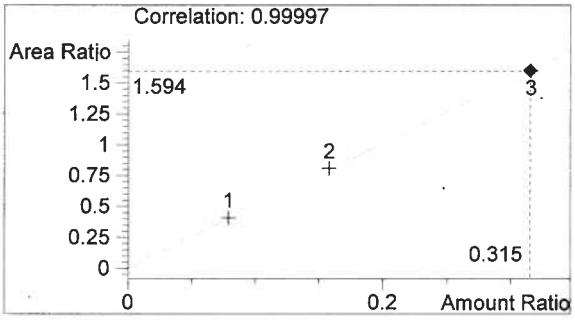
0.316 CAL 3
Brianna Peterson

vial # 4

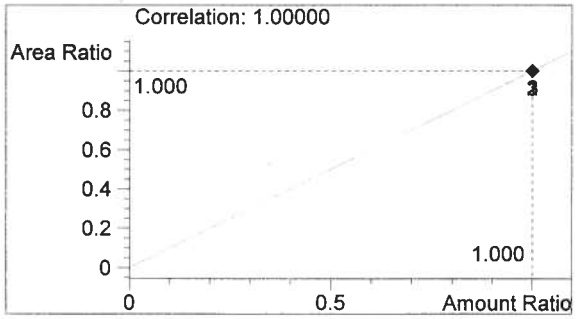


#	Compound	Area	RT
1	ETHANOL	2128	1.064
2	n-PROPANOL	1335	1.822

Totals:



ETHANOL 0.315 g/100ml



n-PROPANOL 1.000 g/100ml

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BP
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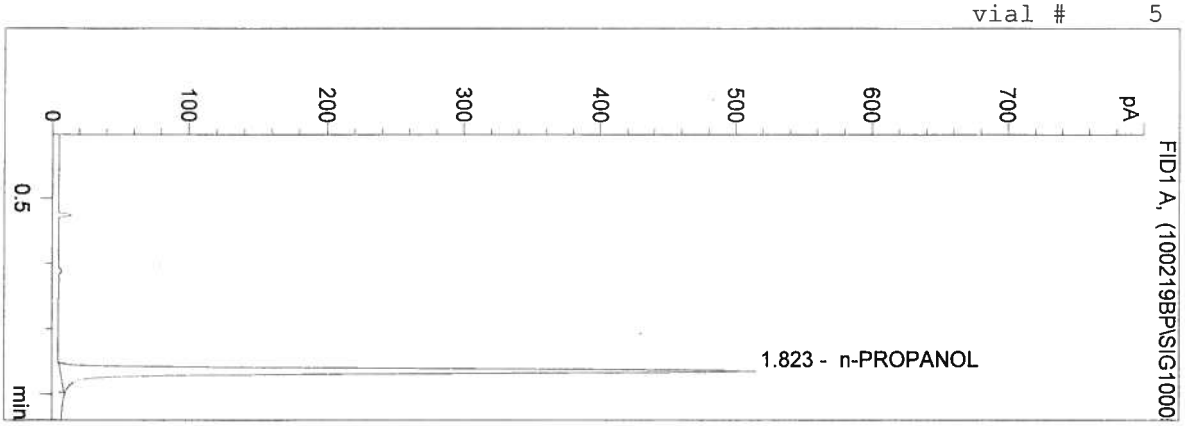
Instrument 3
db-alc2

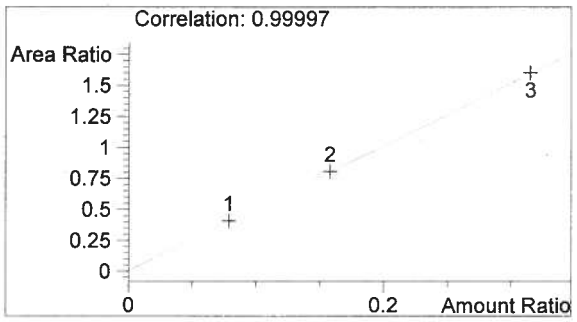
NEG CTRL BP
Brianna Peterson

vial # 5

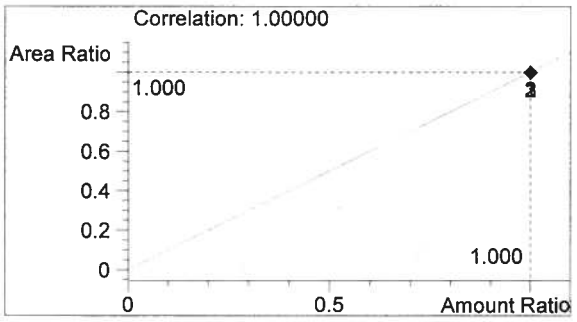


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1403	1.823

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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BP
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WASHINGTON STATE TOXICOLOGY LABORATORY

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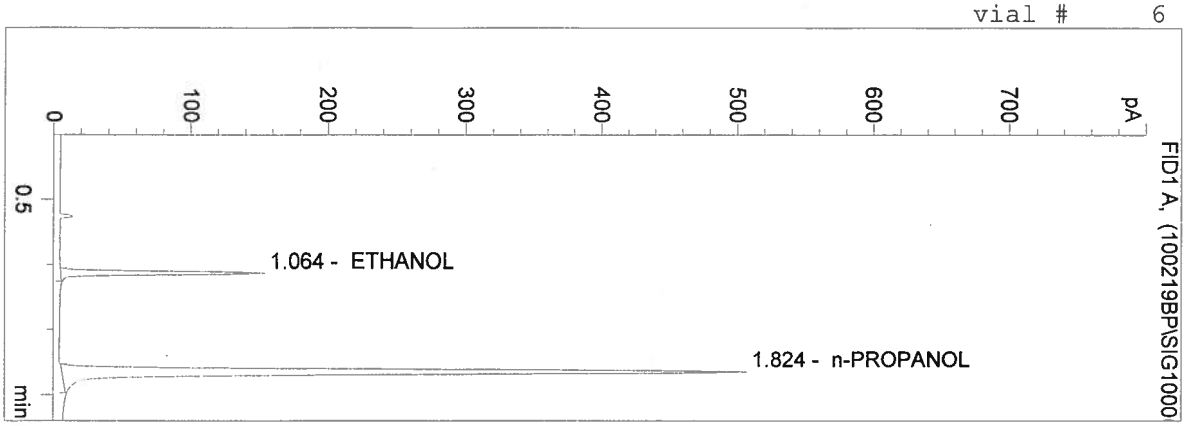
Instrument 3
db-alc2

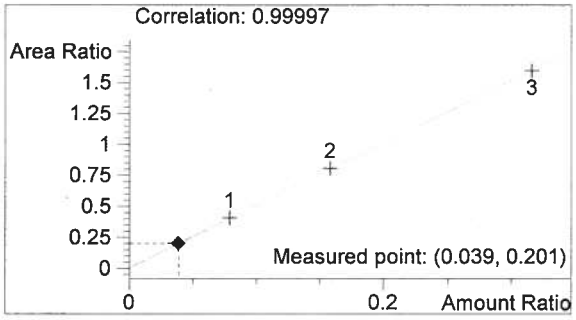
0.04 CTRL BP
Brianna Peterson

vial # 6

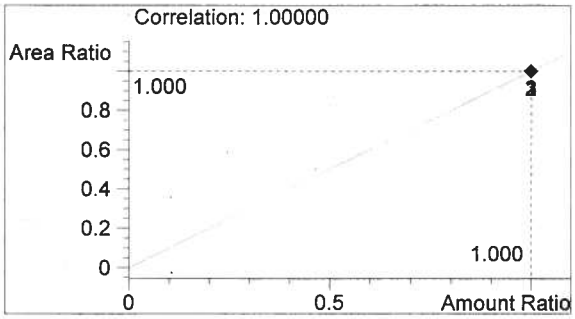


#	Compound	Area	RT
1	ETHANOL	278	1.064
2	n-PROPANOL	1378	1.824

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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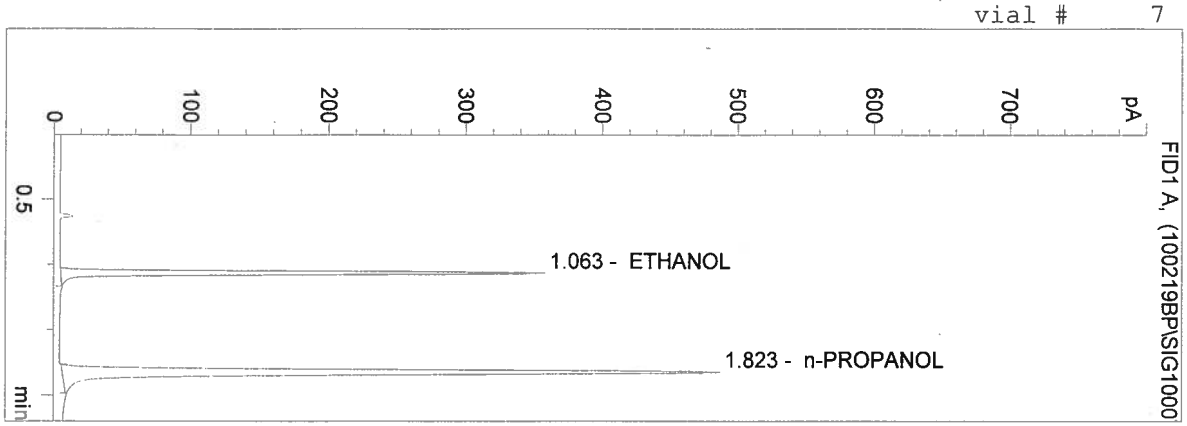
Instrument 3
db-alc2

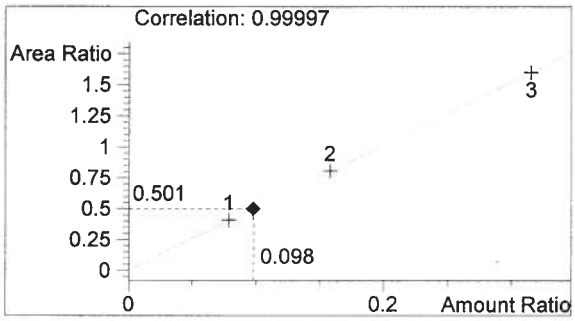
0.10 CTRL BP
Brianna Peterson

vial # 7

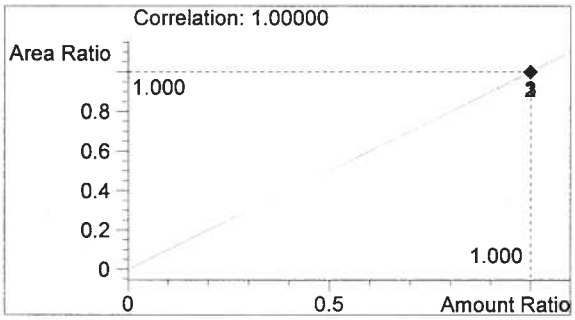


#	Compound	Area	RT
1	ETHANOL	662	1.063
2	n-PROPANOL	1323	1.823

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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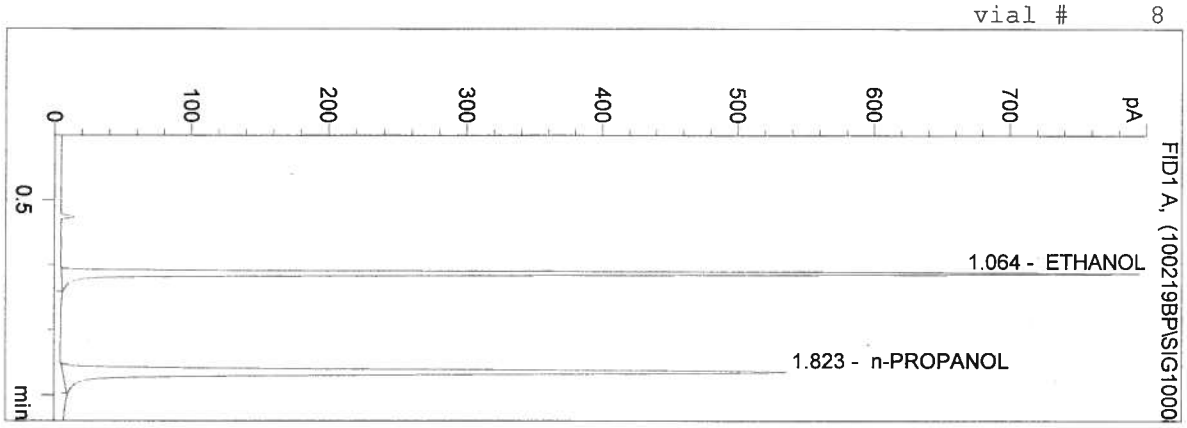
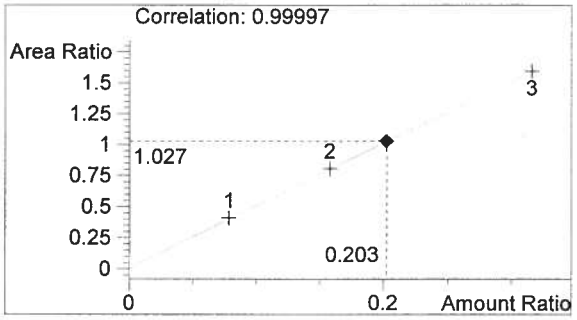
Instrument 3
db-alc2

0.20 CTRL BP
Brianna Peterson

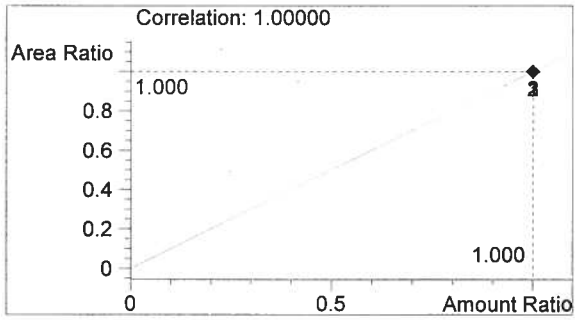
vial # 8



#	Compound	Area	RT
1	ETHANOL	1499	1.064
2	n-PROPANOL	1460	1.823
Totals:			



ETHANOL 0.203 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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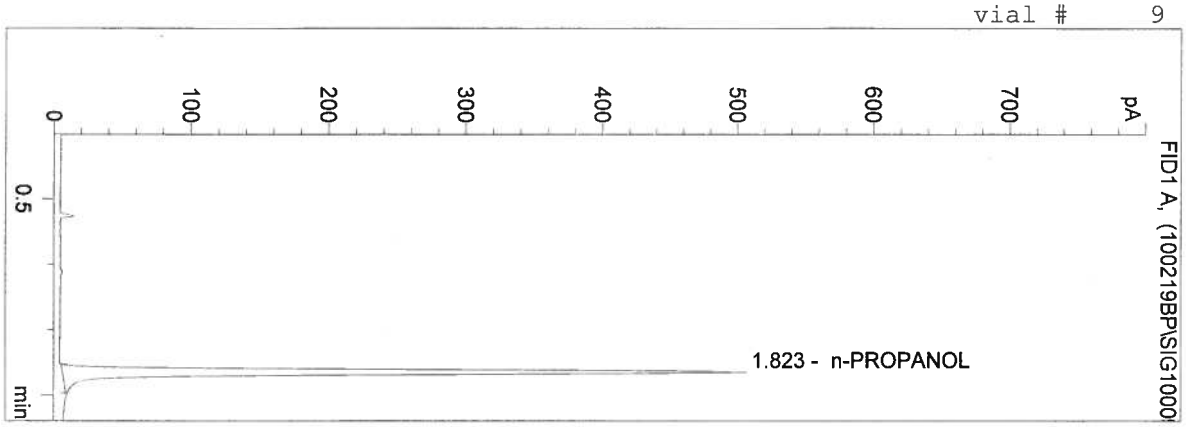
Instrument 3
db-alc2

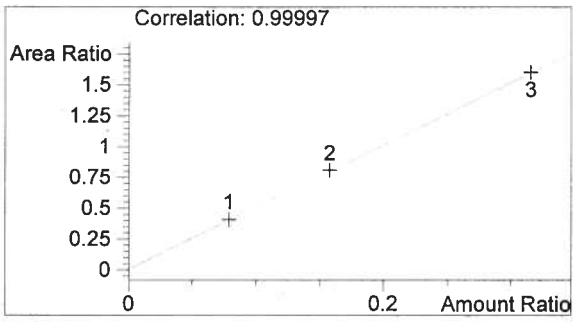
NEG CTRL BP
Brianna Peterson

vial # 9

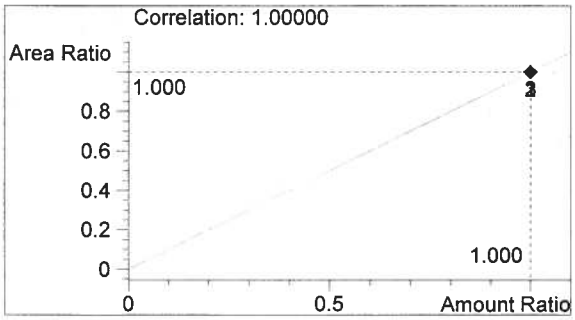


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1378	1.823

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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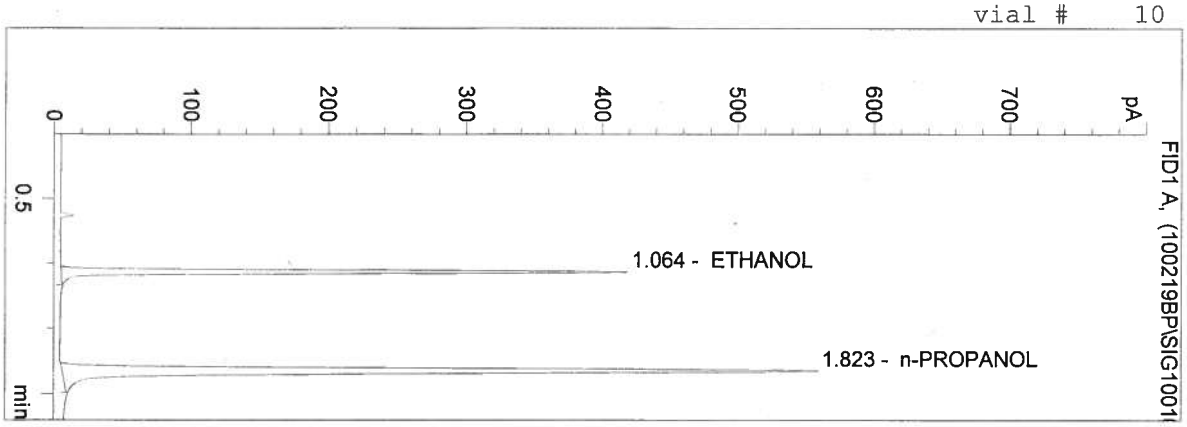
Instrument 3
db-alc2

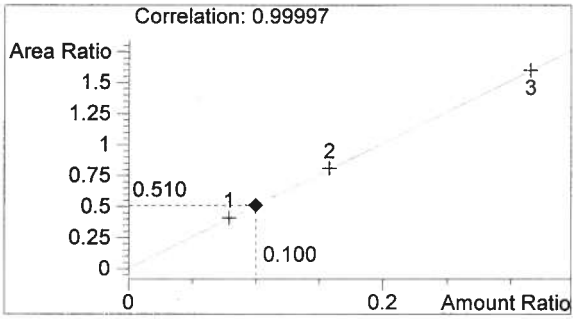
QA10005-1
Brianna Peterson

vial # 10

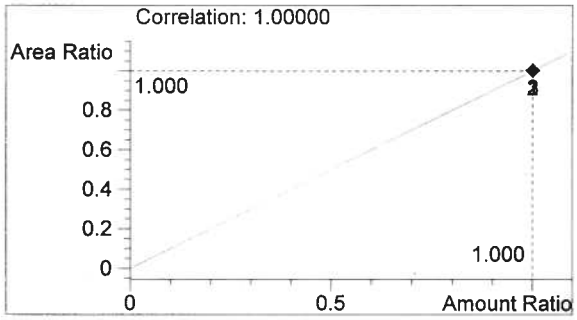


#	Compound	Area	RT
1	ETHANOL	774	1.064
2	n-PROPANOL	1519	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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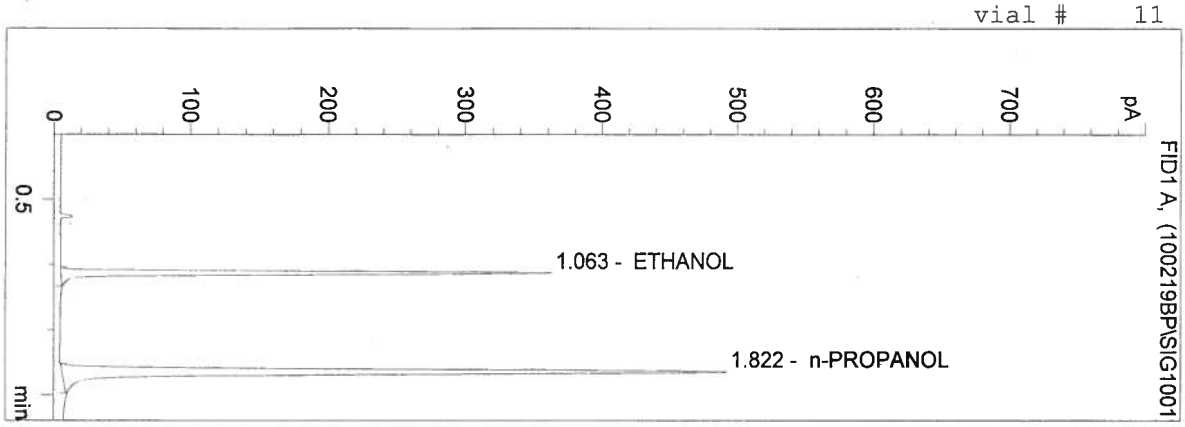
Instrument 3
db-alc2

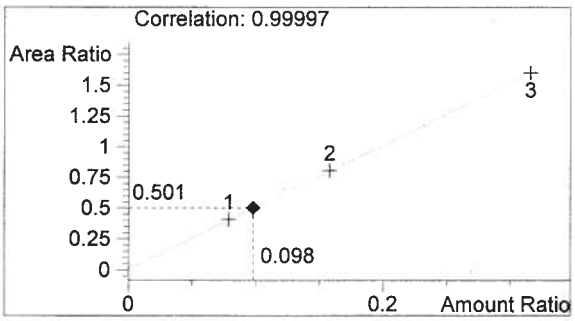
QA10005-2
Brianna Peterson

vial # 11

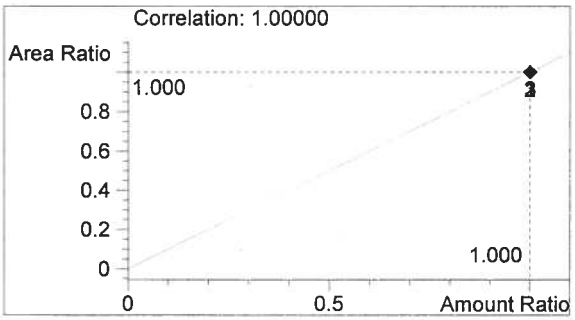


#	Compound	Area	RT
1	ETHANOL	671	1.063
2	n-PROPANOL	1338	1.822

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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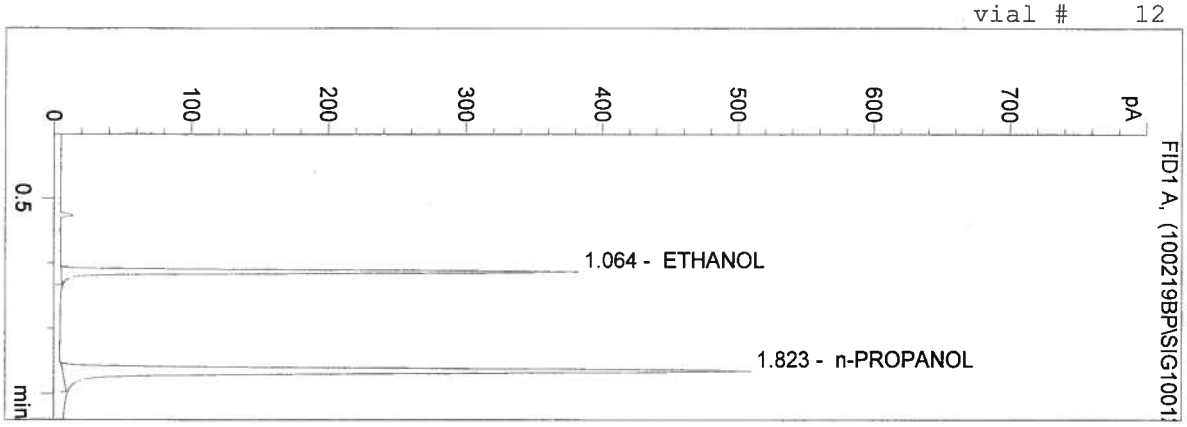
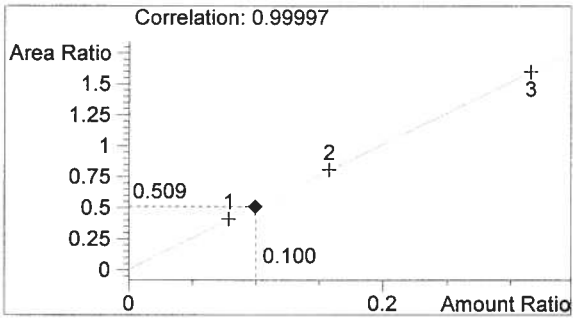
Instrument 3
db-alc2

QA10005-3
Brianna Peterson

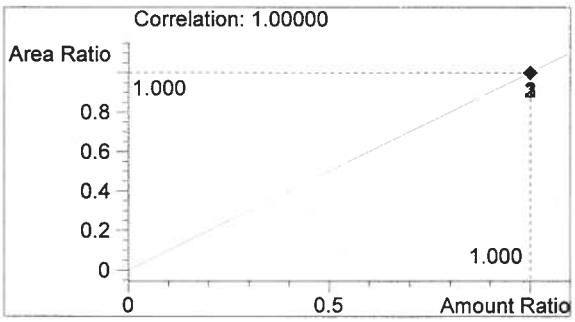
vial # 12



#	Compound	Area	RT
1	ETHANOL	702	1.064
2	n-PROPANOL	1381	1.823
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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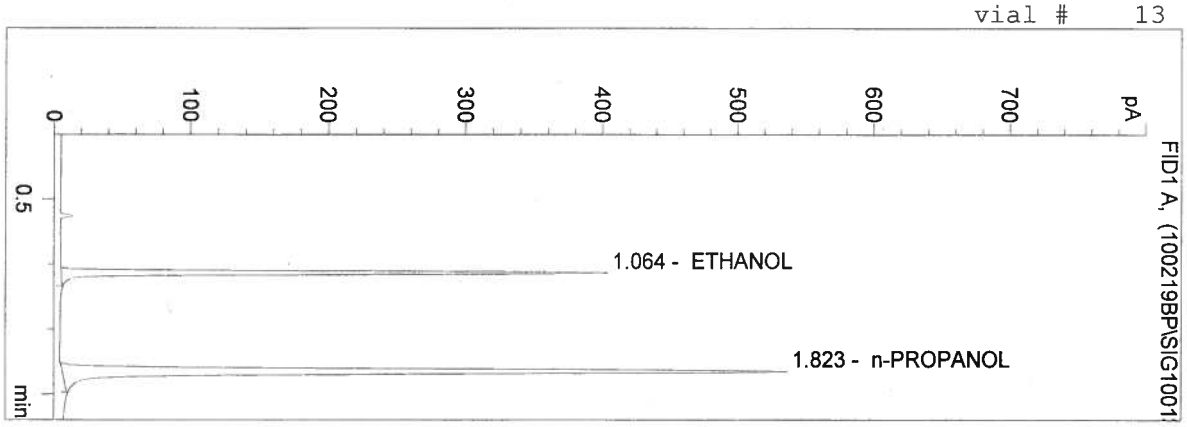
Instrument 3
db-alc2

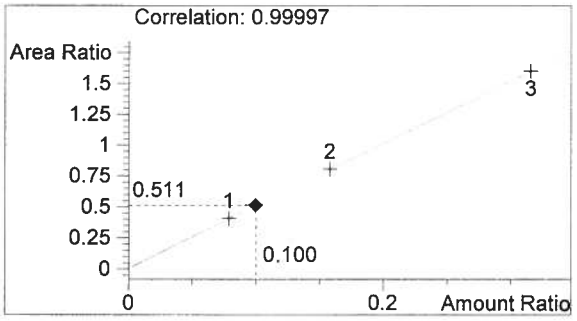
QA10005-4
Brianna Peterson

vial # 13

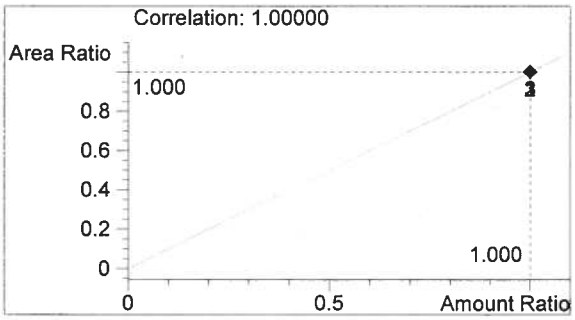


#	Compound	Area	RT
1	ETHANOL	743	1.064
2	n-PROPANOL	1454	1.823

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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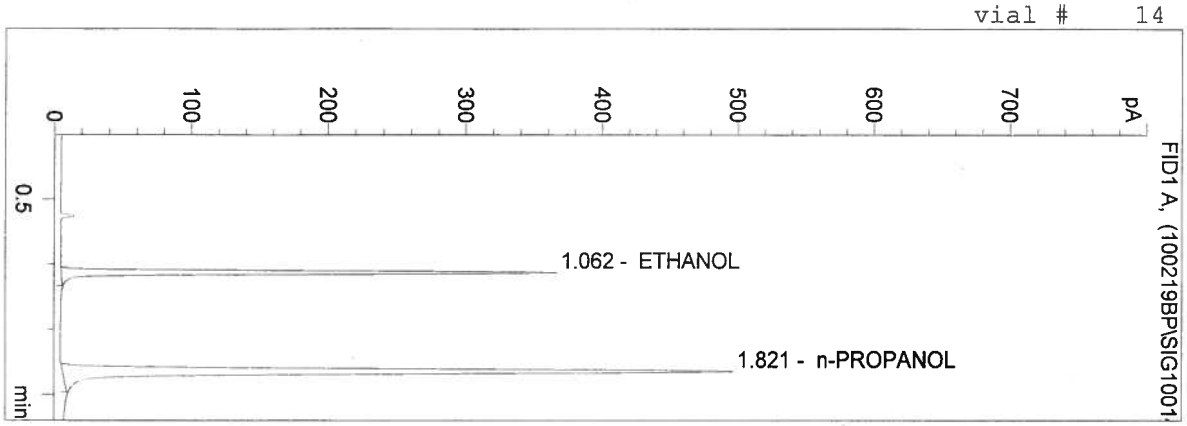
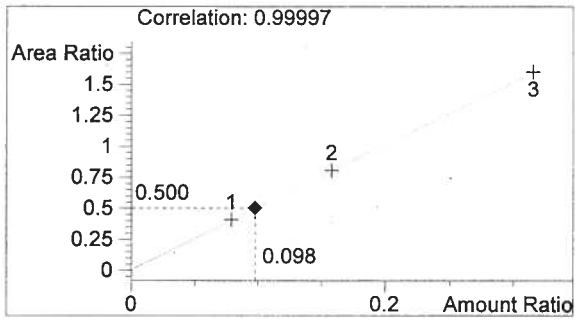
2/19/2010 4:22:53 PM
Instrument 3
db-alc2

QA10005-5
Brianna Peterson

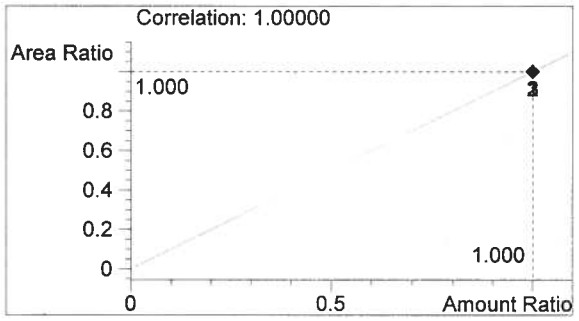
vial # 14



#	Compound	Area	RT
1	ETHANOL	672	1.062
2	n-PROPANOL	1345	1.821
Totals:			



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

BP

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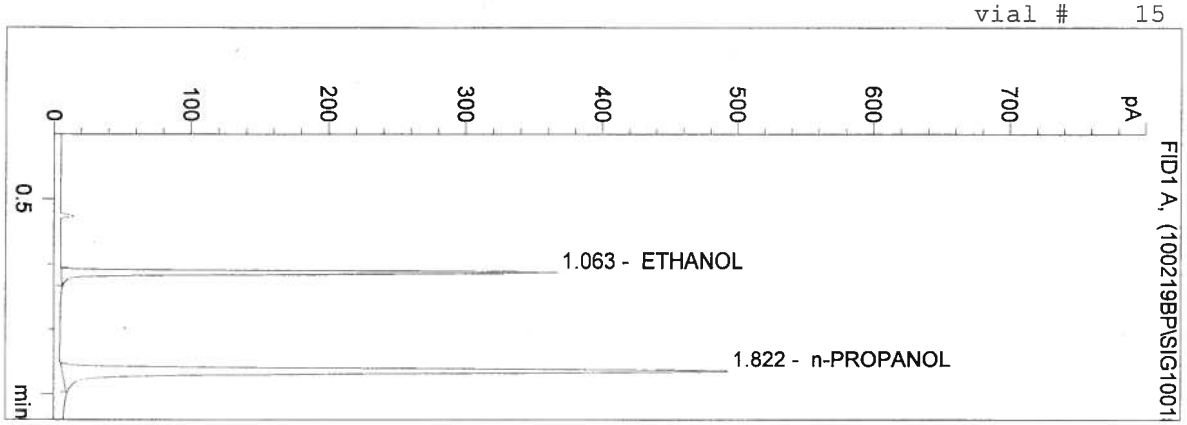
Instrument 3
db-alc2

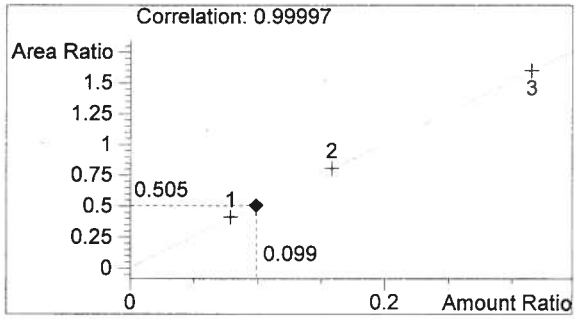
0.10 CTRL BP
Brianna Peterson

vial # 15

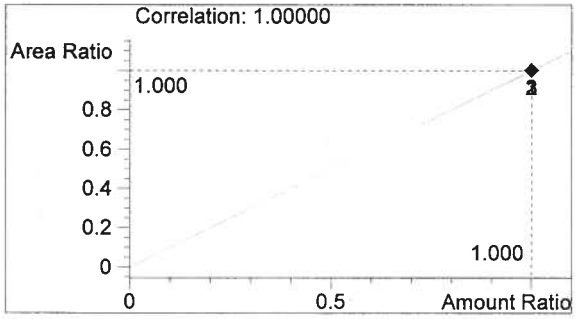


#	Compound	Area	RT
1	ETHANOL	675	1.063
2	n-PROPANOL	1337	1.822

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

10005

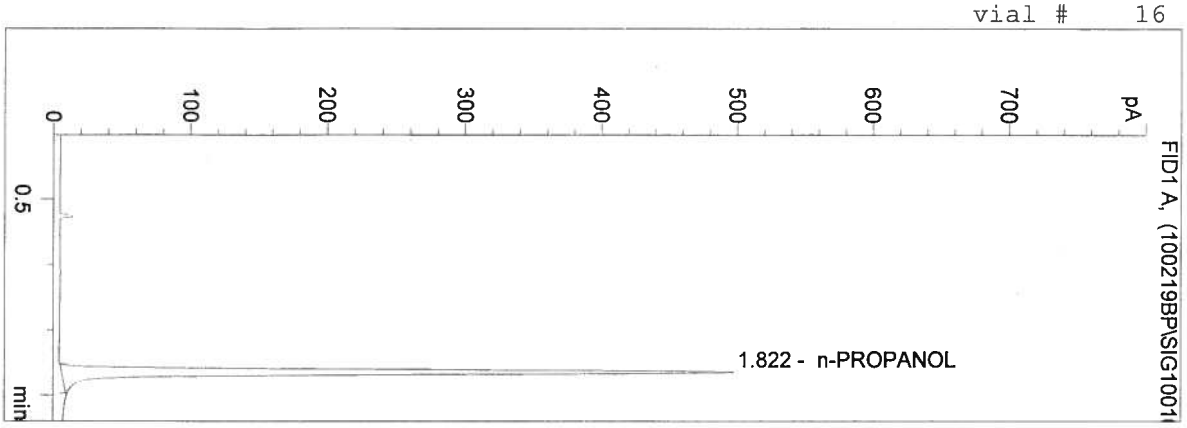
BL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
2/19/2010 4:29:07 PM
Instrument 3
db-alc2

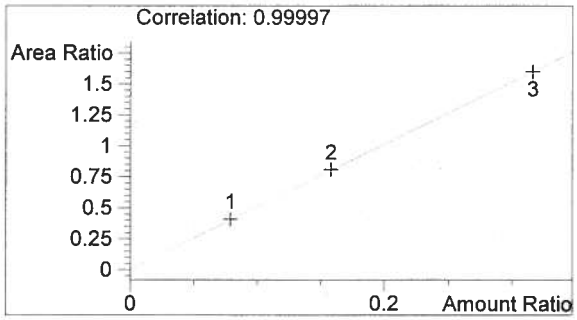
NEG CTRL BP
Brianna Peterson

vial # 16

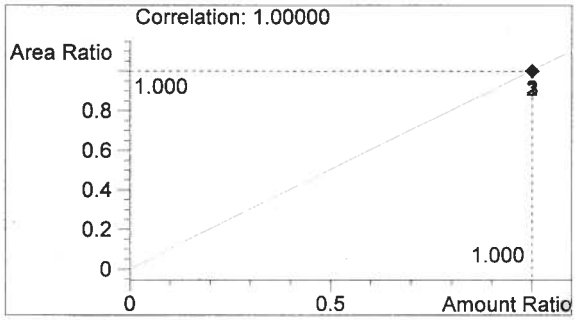


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1350	1.822

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10005

Rf

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 10005

Preparer: Gwynyth Almendarez

Date Prepared: 2/17/10

Expiration Date: 2/17/11

Lot 200 Proof (100%) Ethanol Used: XV3014

Date 200 Proof Ethanol Opened: 1/12/10
(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	☐
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 ☒ 2/17/10 Date

Gwynyth Almendarez
Analyst

2/17/10
Date