Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: KEN DENTON / ROD GULLBERG **Date:** 3/26/2009

Location: SEATTLE TOX LAB **Solution Batch Number:** 09014

	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 Analysis sheet:	☒	☐	☐
Avg. solution concentration correct?:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
Range correct if applicable:	☒	☐	☐
Equivalent vapor concentration correct?	☒	☐	☐
Blank chromatograms included in file:	☒	☐	☐
External Control information present: (lot # present and future date)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐
CV% Correct?	☒	☐	☐
Reviewed for outliers per policy and none found?	☒	☐	☐

Comments:

Reviewer Signature: [signature] **Date:** 3-26-09

Reviewer Signature: [signature] **Date:** 3/26/2009

WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION

QAP Solution Calibration Certificate

Batch Number:	09014	Target Vapor Concentration:	0.08 g/210L
Prepared By:	Brianna Peterson	Date Prepared:	3/17/2009

Concentration of ethanol (g/100mL) measured by gas chromatography:

	BP	JLK	EM
1	0.096	0.099	0.099
2	0.097	0.099	0.098
3	0.097	0.100	0.098
4	0.098	0.101	0.100
5	0.098	0.100	0.100
C	0.099	0.100	0.098

Analyst	Name	Signature	Date Tested
BP	Brianna Peterson	Brianna Peterson	3/17/2009
JLK	Justin L. Knoy	Justin L. Knoy	3/18/2009
EM	Estuardo J. Miranda	E Miranda	3/18/2009

External Control(s):

Lot Num	Exp Date	Target Conc
A059621	08 / 2012	0.10 g/100mL

Statistics:

Avg. Solution Conc.	0.0987	g/100mL	Precision CV (%)	1.42	
Std. Deviation (SD)	0.00140		Number of Tests (N)	15	
Range (3.8xSD)	0.0934	to 0.1040	Equivalent Vapor Conc.	**0.0802**	g/210L

Final Review by: [signature] Review/Issue Date: 3/27/09

SOLUTION CERTIFICATE REVIEW

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

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 certificate
3) Signed the certificate

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	3/20/09
Brianne Akins		
Brittany Ball		
Christie Mitchell		
Christopher Johnston		
Estuardo Miranda	EM	3-19-09
Gwynyth Scherperel		
Justin Knoy	JK	3-19-09
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

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 09014

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 three years of experience in forensic toxicology.

The qap solution, Lot Number 09014, was prepared in the Washington State Toxicology Laboratory on 3/17/2009. 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 3/17/2010.

Seattle, WA

Brianna Peterson 3/20/09

Brianna Peterson Date

Forensic Toxicologist

BP/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 09014

I, Justin L. Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The qap solution, Lot Number 09014, was prepared in the Washington State Toxicology Laboratory on 3/17/2009. 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 3/17/2010.

Seattle, WA

Justin L. Knoy 3-19-09

Justin L. Knoy Date
Forensic Toxicologist

JLK/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 09014

I, Estuardo J. Miranda, 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 of Science in Chemistry, Master of Science in Zoology and ten years experience in Forensic Toxicology.

The qap solution, Lot Number 09014, was prepared in the Washington State Toxicology Laboratory on 3/17/2009. 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 3/17/2010.

Seattle, WA

EMiranda 3-19-09

Estuardo J. Miranda Date
Forensic Toxicologist

EM/ik

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:	090317BP
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot #A061507 - exp 11/2012
0.10 Control - Lot #A059621 - exp 08/2012
0.20 Control - Lot #A056773 - exp 03/2012

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	QA09014-1	SIMALC	1	Sample		
11	Vial 11	QA09014-2	SIMALC	1	Sample		
12	Vial 12	QA09014-3	SIMALC	1	Sample		
13	Vial 13	QA09014-4	SIMALC	1	Sample		
14	Vial 14	QA09014-5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL- BP	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL BP	SIMALC	1	Ctrl Samp		

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!

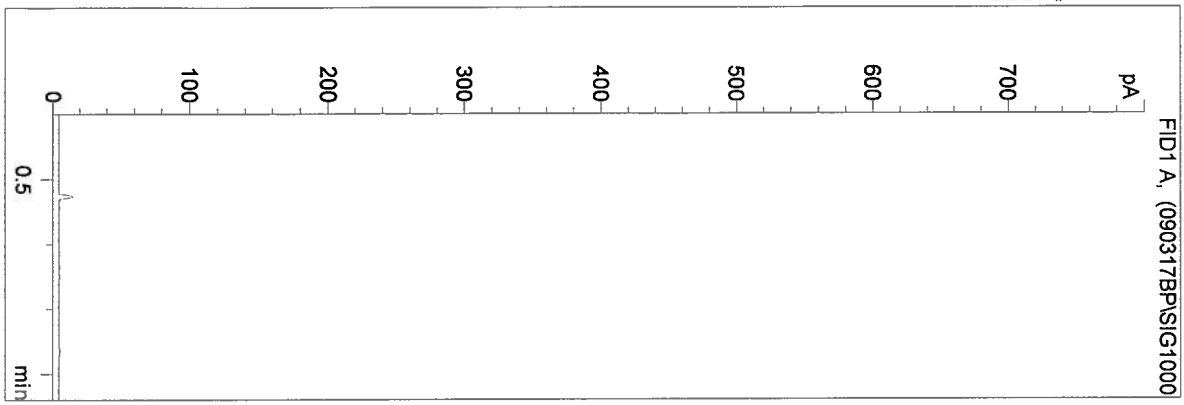
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
3/17/2009 2:01:12 PM
Instrument 3
db-alc2

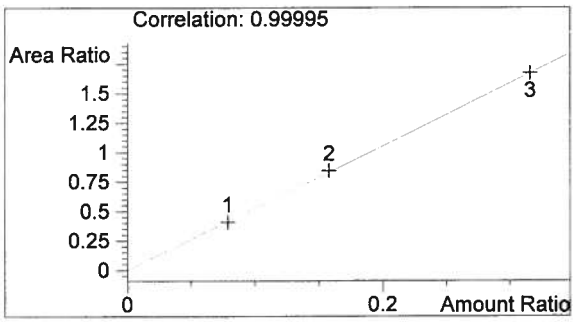
BLANK
Brianna Peterson

vial # 1

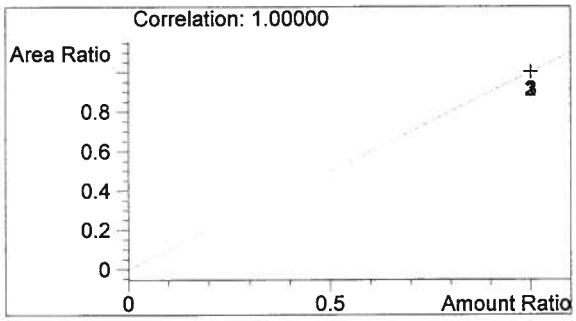


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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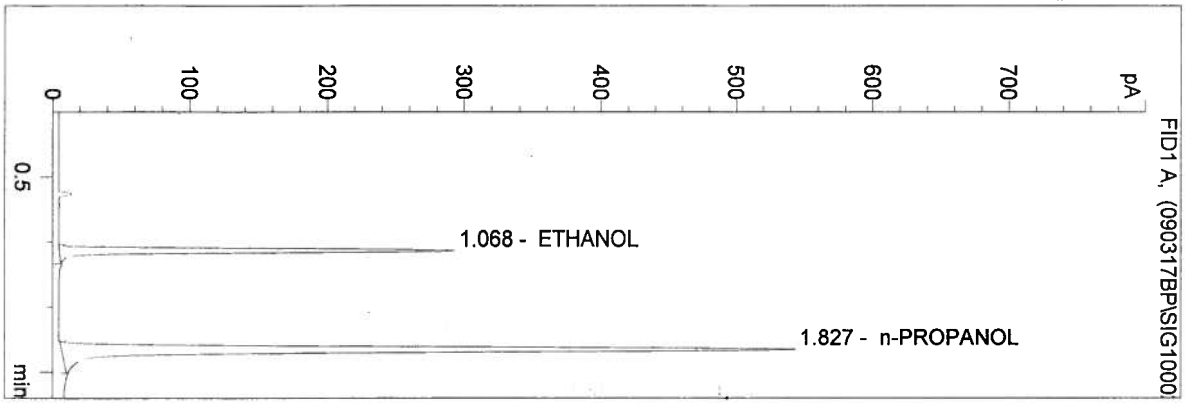
3/17/2009 2:04:20 PM
Instrument 3
db-alc2

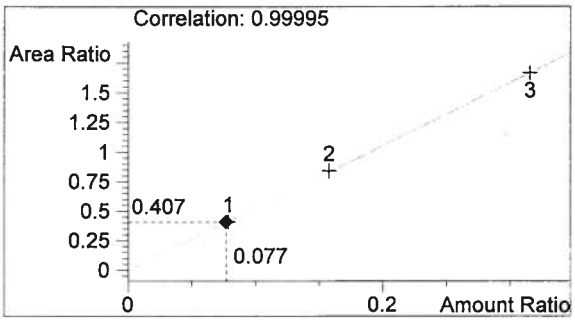
0.079 CAL 1
Brianna Peterson

vial # 2

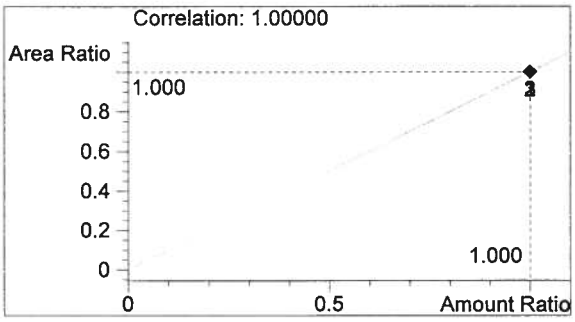


#	Compound	Area	RT
1	ETHANOL	648	1.068
2	n-PROPANOL	1591	1.827

Totals:



ETHANOL 0.077 g/100ml



n-PROPANOL 1.000 g/100ml

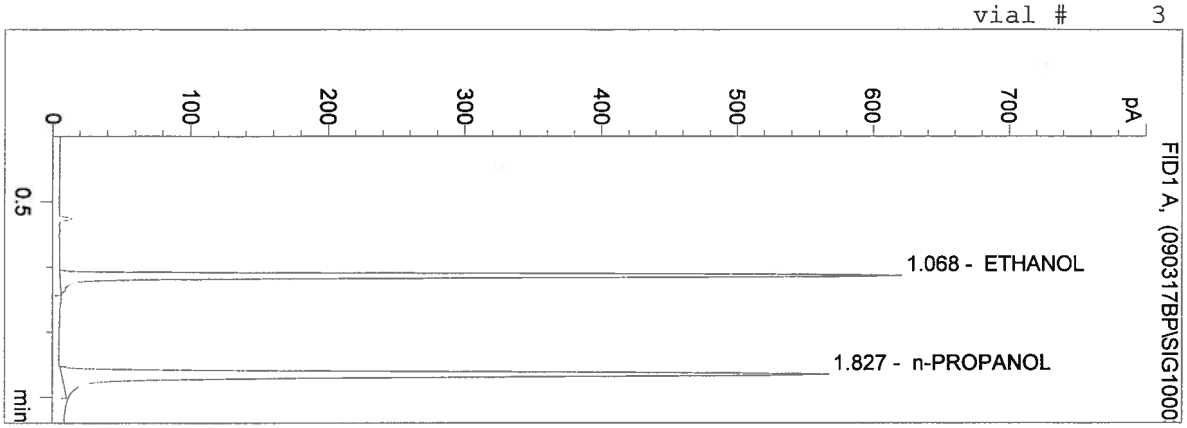
BC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:07:27 PM
Instrument 3
db-alc2

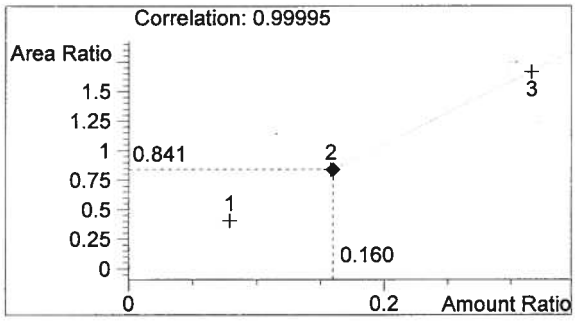
0.158 CAL 2
Brianna Peterson

vial # 3

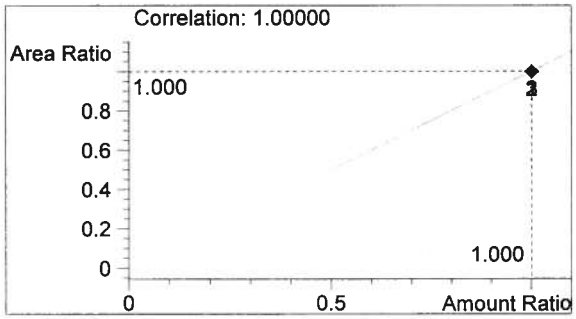


#	Compound	Area	RT
1	ETHANOL	1401	1.068
2	n-PROPANOL	1665	1.827

Totals:



ETHANOL 0.160 g/100ml



n-PROPANOL 1.000 g/100ml

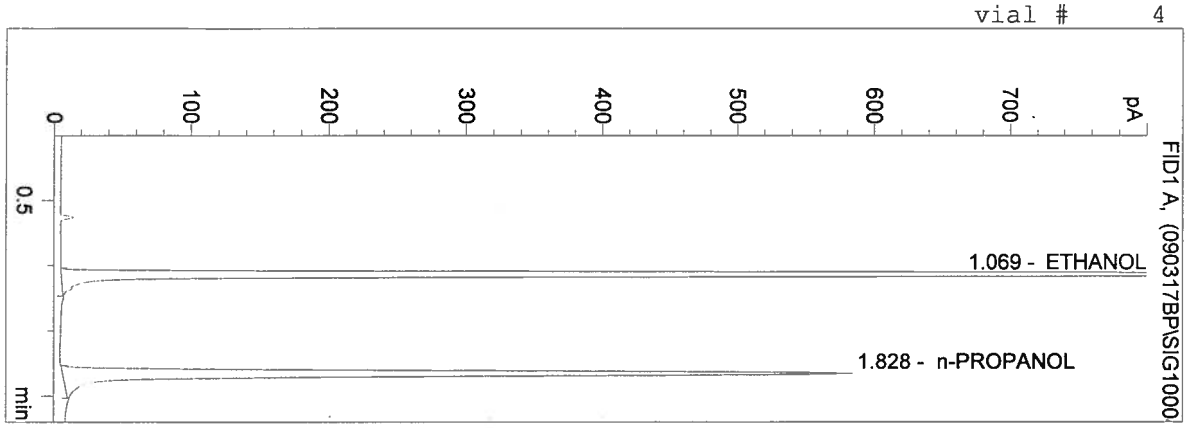
BR

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:10:35 PM
Instrument 3
db-alc2

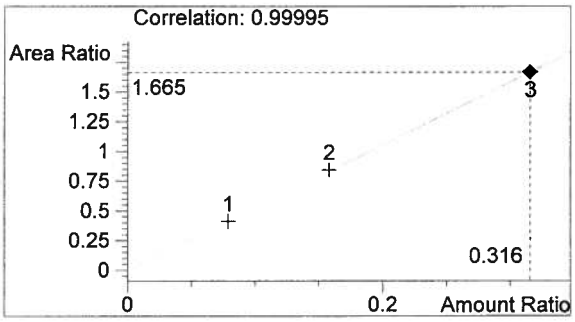
0.316 CAL 3
Brianna Peterson

vial # 4

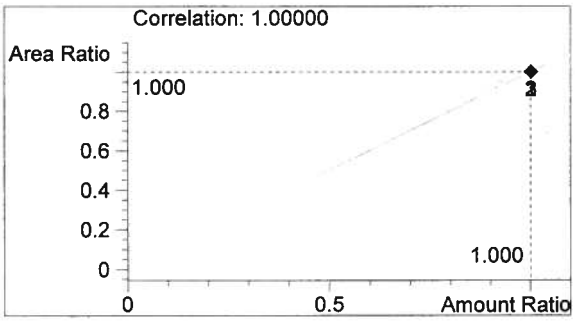


#	Compound	Area	RT
1	ETHANOL	2854	1.069
2	n-PROPANOL	1714	1.828

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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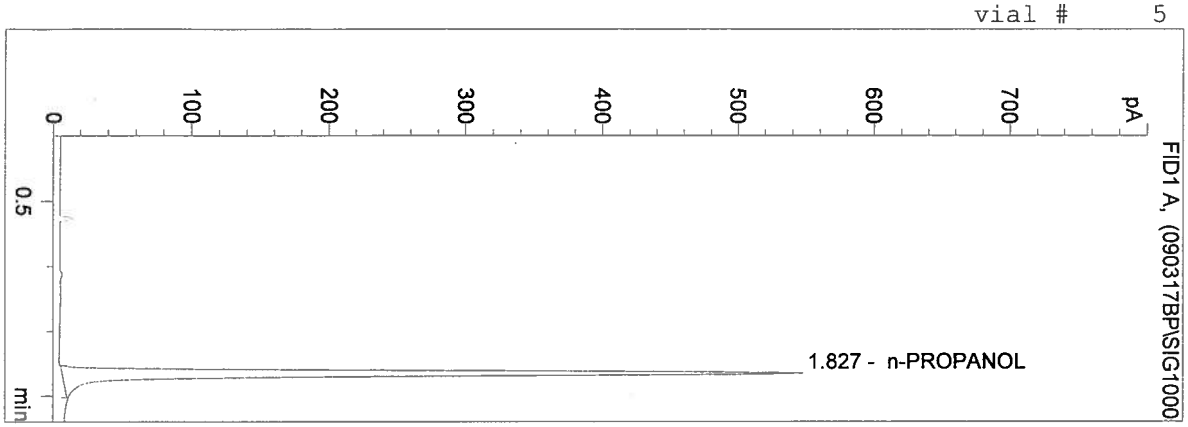
3/17/2009 2:13:43 PM
Instrument 3
db-alc2

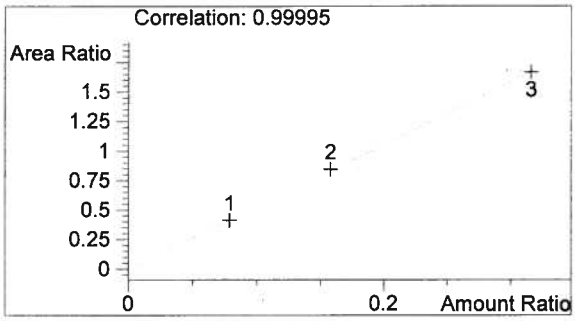
NEG CTRL BP
Brianna Peterson

vial # 5

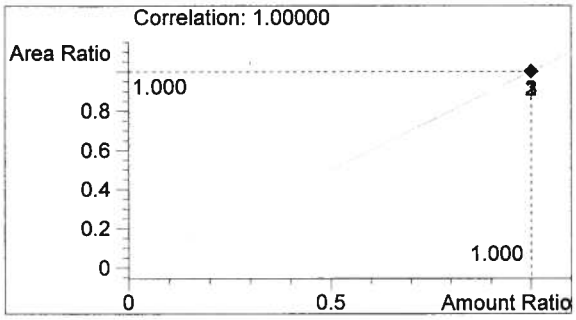


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1606	1.827

Totals:



ETHANOL 0.000 g/100ml



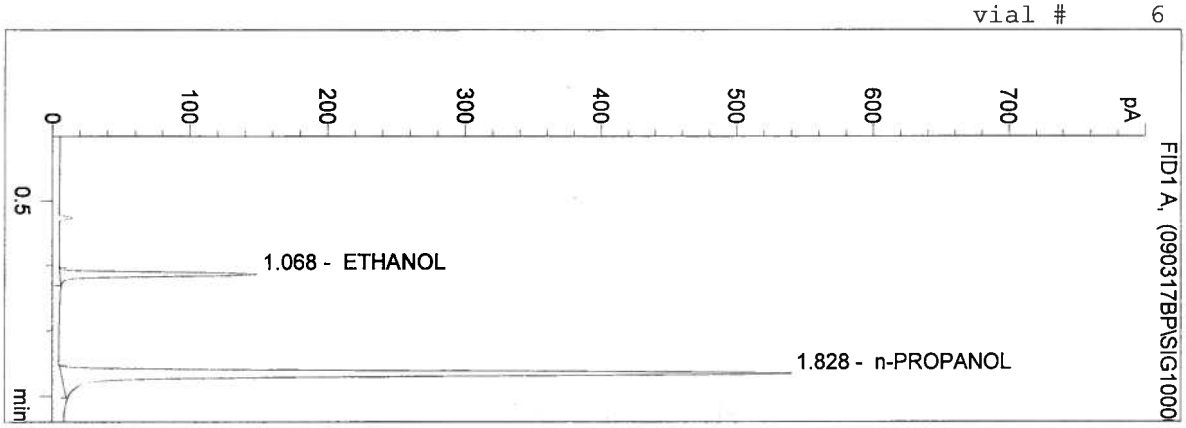
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:16:51 PM
Instrument 3
db-alc2

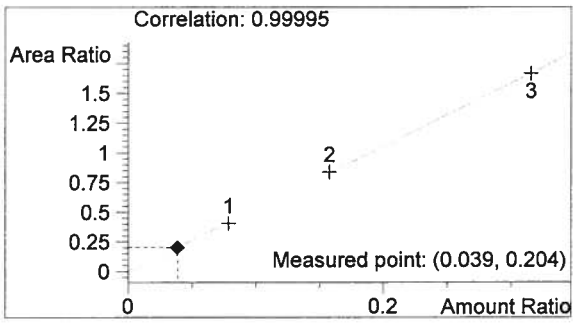
0.04 CTRL- BP
Brianna Peterson

vial # 6

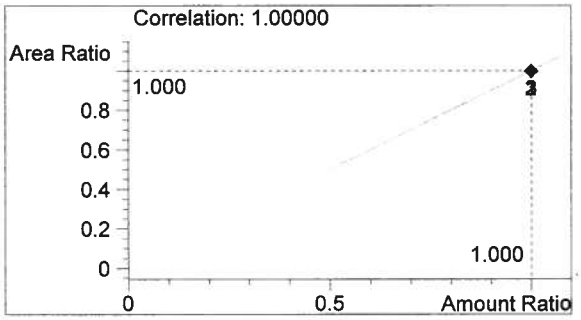


#	Compound	Area	RT
1	ETHANOL	324	1.068
2	n-PROPANOL	1586	1.828

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

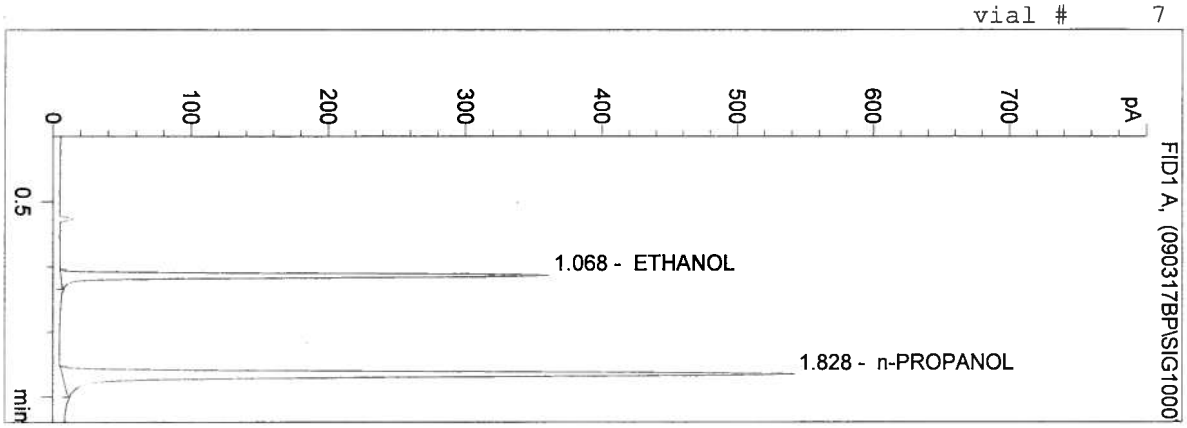
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:19:58 PM
Instrument 3
db-alc2

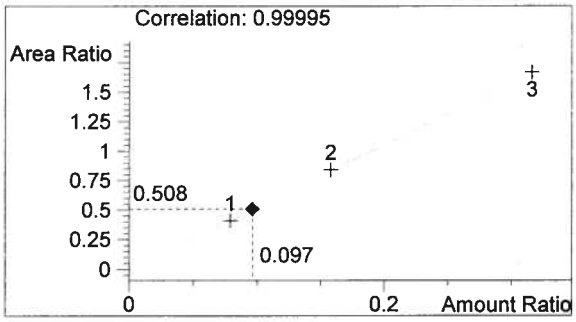
0.10 CTRL- BP
Brianna Peterson

vial # 7

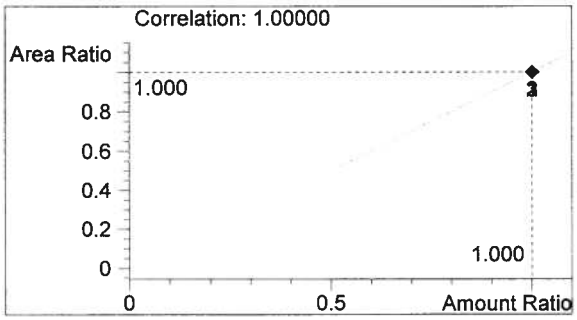


#	Compound	Area	RT
1	ETHANOL	808	1.068
2	n-PROPANOL	1589	1.828

Totals:



ETHANOL 0.097 g/100ml



n-PROPANOL 1.000 g/100ml

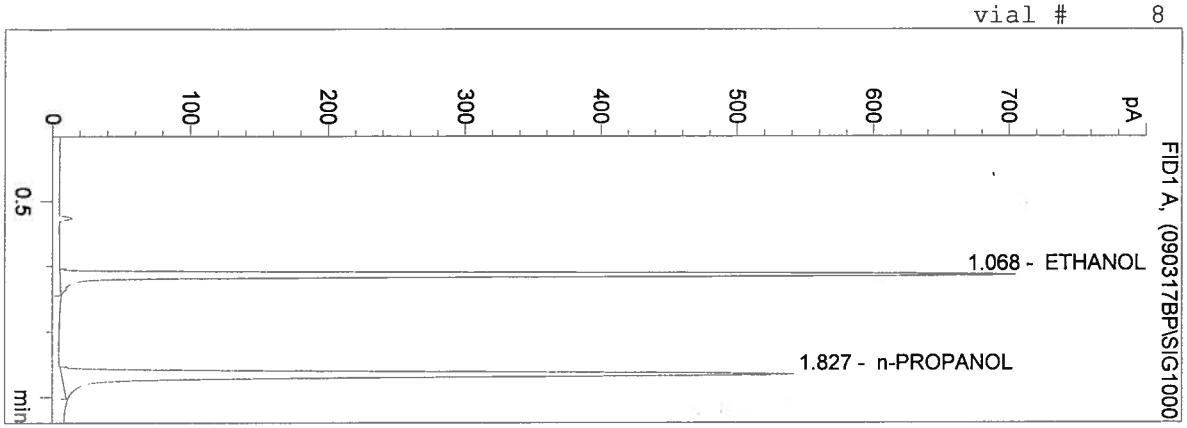
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:23:06 PM
Instrument 3
db-alc2

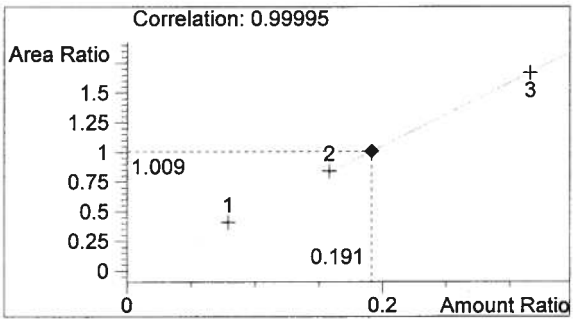
0.20 CTRL- BP
Brianna Peterson

vial # 8

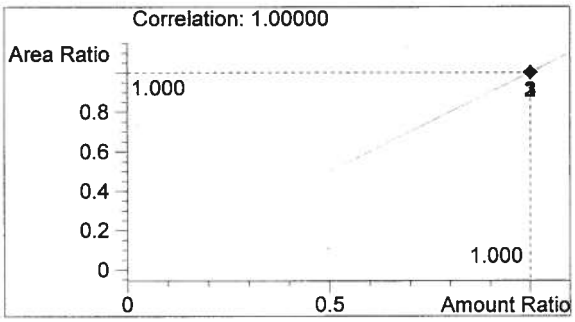


#	Compound	Area	RT
1	ETHANOL	1607	1.068
2	n-PROPANOL	1593	1.827

Totals:



ETHANOL 0.191 g/100ml



n-PROPANOL 1.000 g/100ml

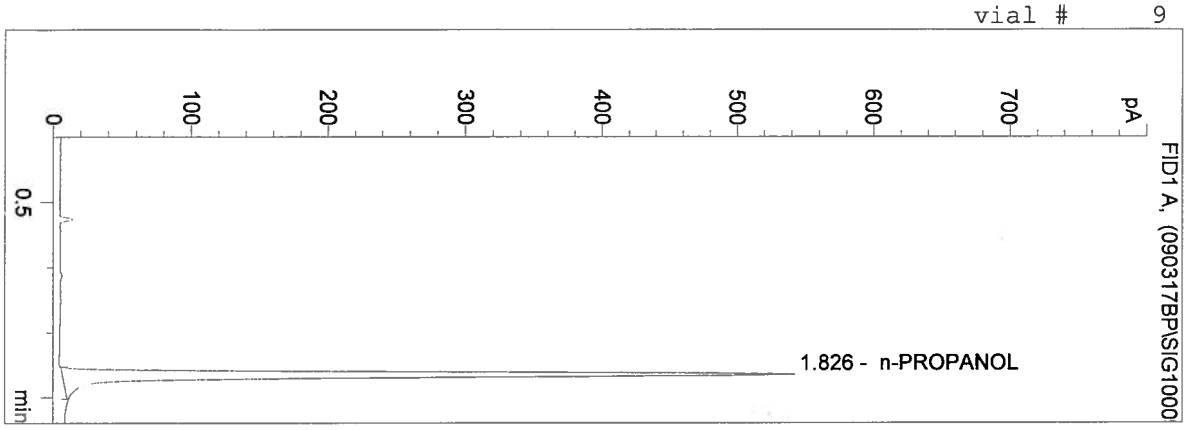
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:26:14 PM
Instrument 3
db-alc2

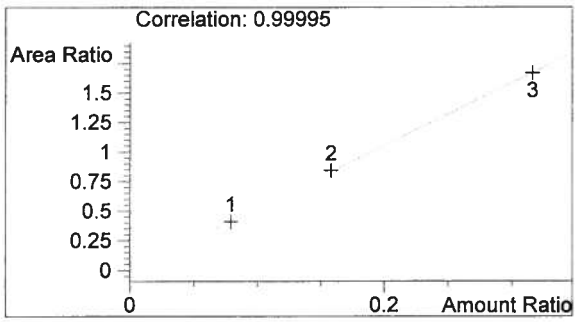
NEG CTRL BP
Brianna Peterson

vial # 9

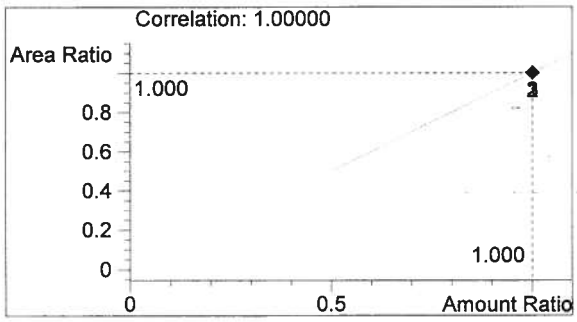


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1600	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

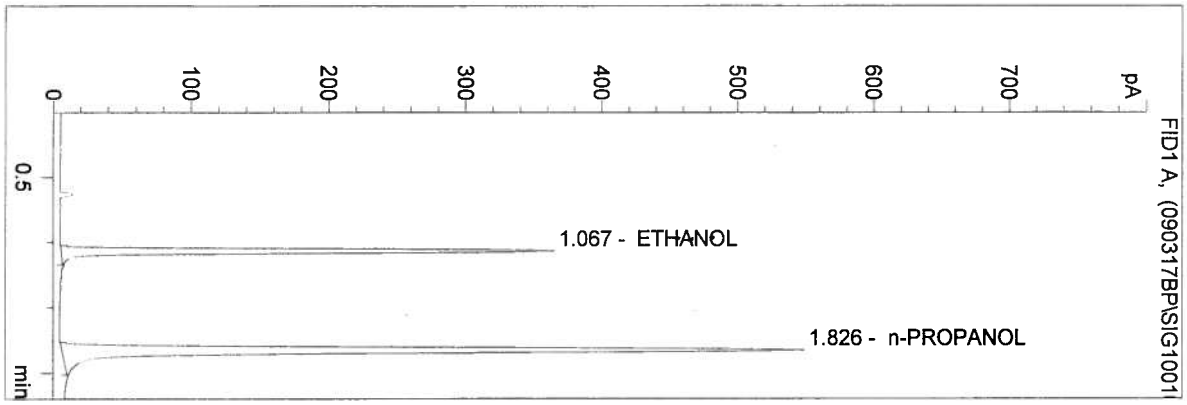
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:29:21 PM
Instrument 3
db-alc2

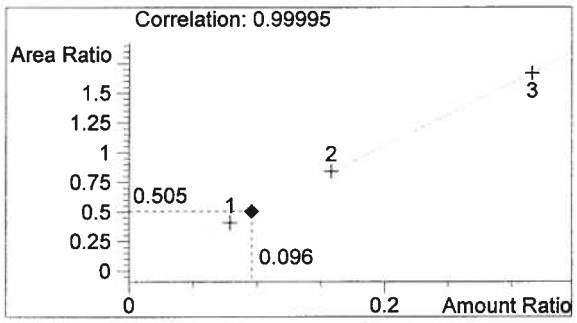
QA09014-1
Brianna Peterson

vial # 10

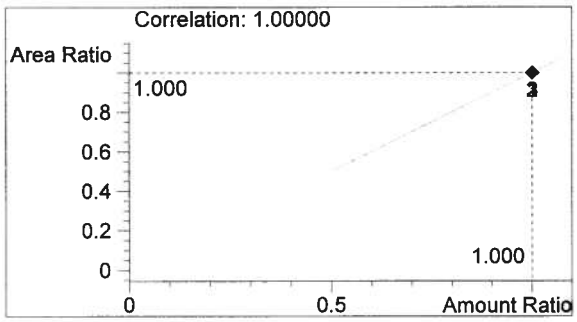


#	Compound	Area	RT
1	ETHANOL	818	1.067
2	n-PROPANOL	1619	1.826

Totals:



ETHANOL 0.096 g/100ml



n-PROPANOL 1.000 g/100ml

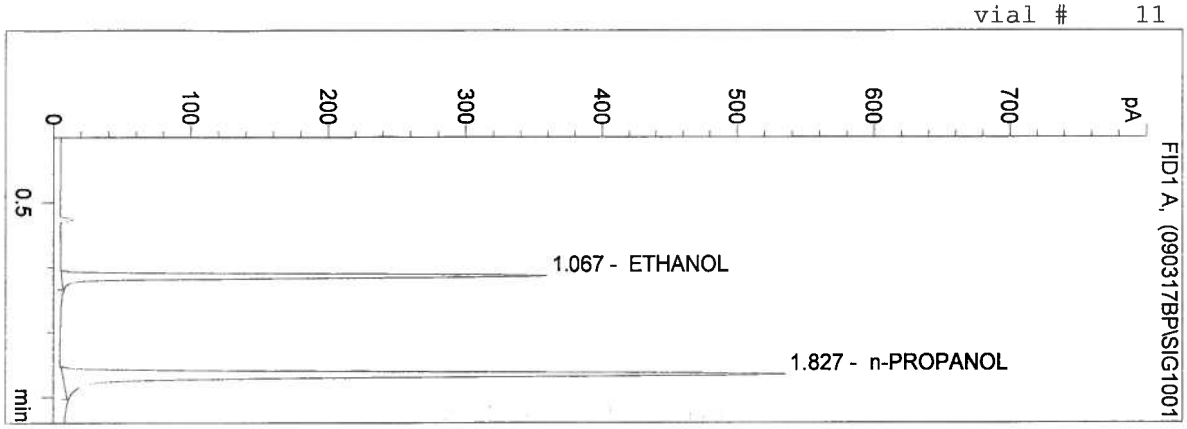
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/17/2009 2:32:29 PM
Instrument 3
db-alc2

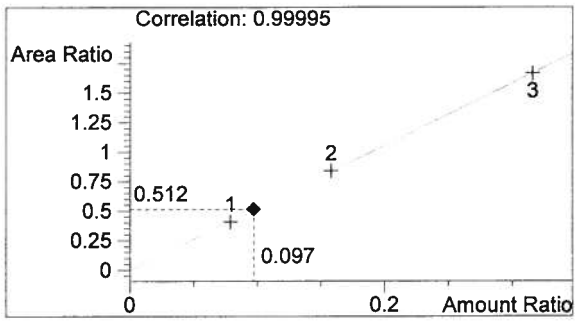
QA09014-2
Brianna Peterson

vial # 11

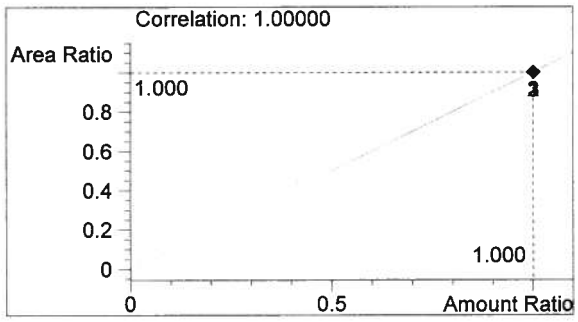


#	Compound	Area	RT
1	ETHANOL	804	1.067
2	n-PROPANOL	1571	1.827

Totals:



ETHANOL 0.097 g/100ml



n-PROPANOL 1.000 g/100ml

BS

WASHINGTON STATE TOXICOLOGY LABORATORY

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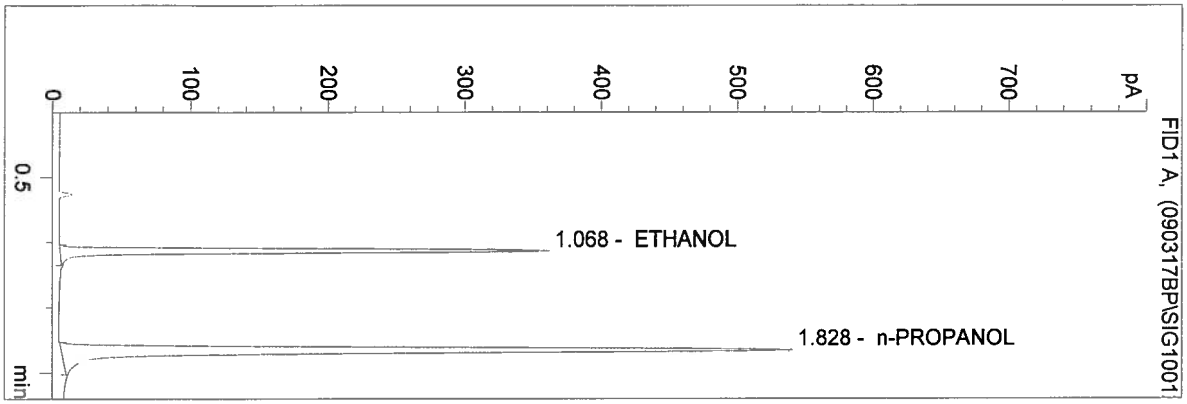
3/17/2009 2:35:37 PM
Instrument 3
db-alc2

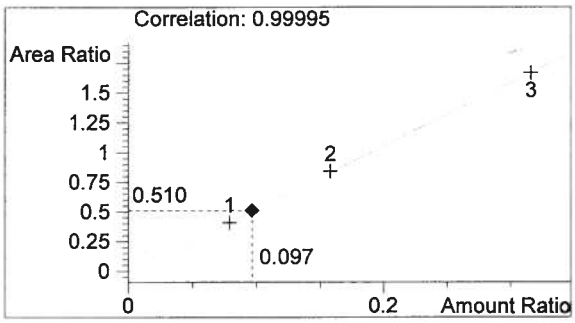
QA09014-3
Brianna Peterson

vial # 12

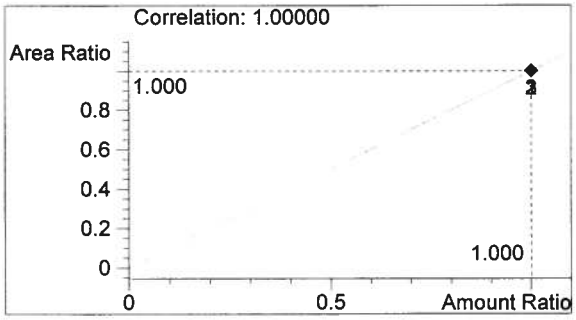


#	Compound	Area	RT
1	ETHANOL	809	1.068
2	n-PROPANOL	1589	1.828

Totals:



ETHANOL 0.097 g/100ml



n-PROPANOL 1.000 g/100ml

BS

WASHINGTON STATE TOXICOLOGY LABORATORY

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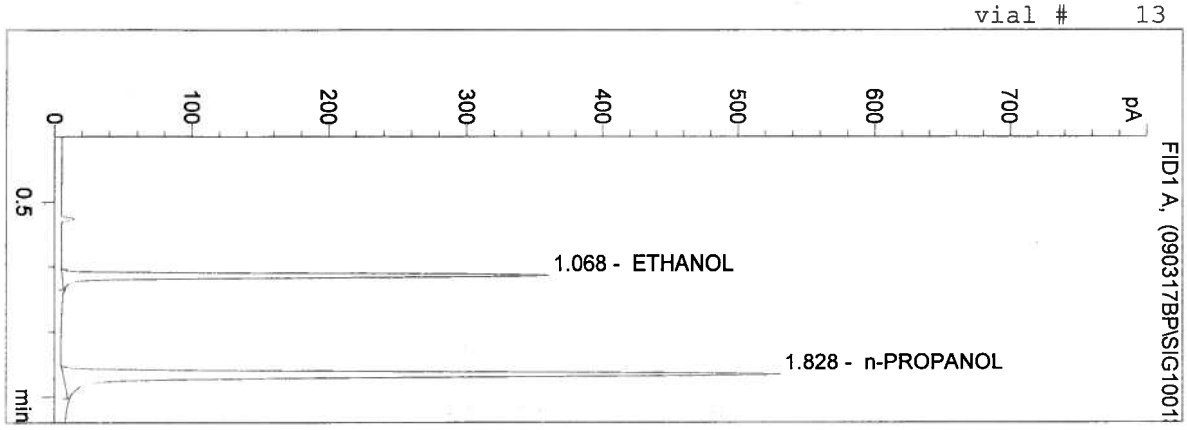
Instrument 3
db-alc2

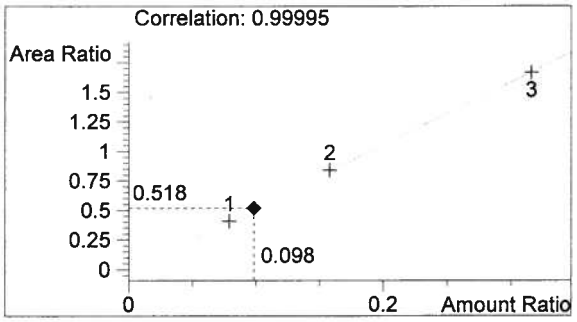
QA09014-4
Brianna Peterson

vial # 13

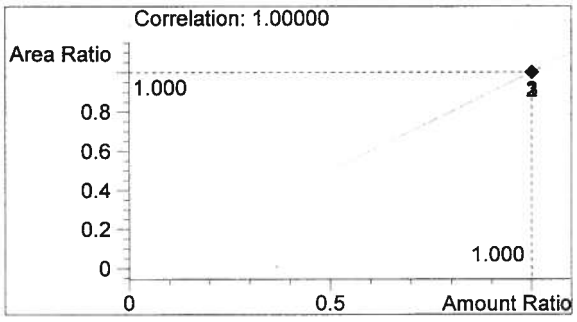


#	Compound	Area	RT
1	ETHANOL	808	1.068
2	n-PROPANOL	1560	1.828

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

BR

WASHINGTON STATE TOXICOLOGY LABORATORY

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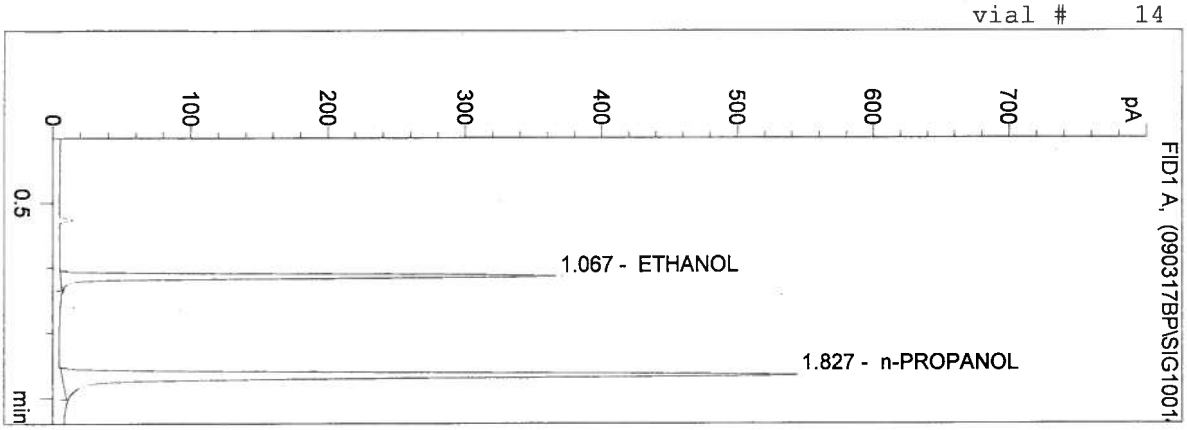
3/17/2009 2:41:52 PM
Instrument 3
db-alc2

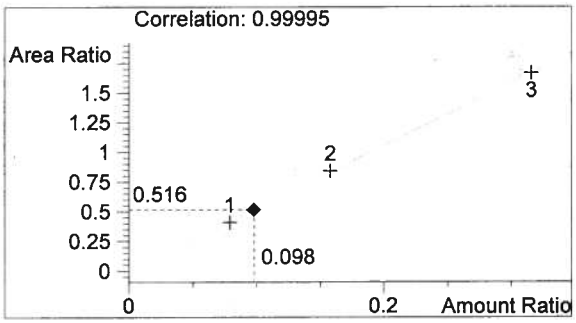
QA09014-5
Brianna Peterson

vial # 14

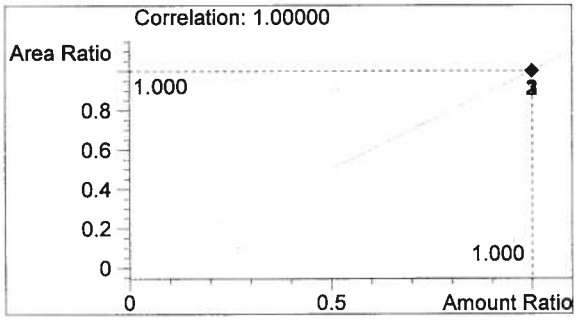


#	Compound	Area	RT
1	ETHANOL	823	1.067
2	n-PROPANOL	1597	1.827

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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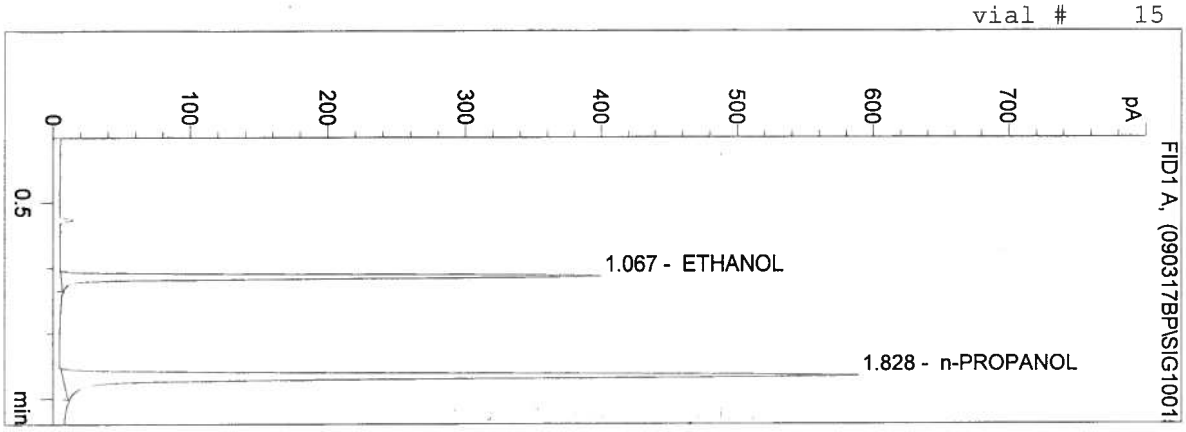
Instrument 3
db-alc2

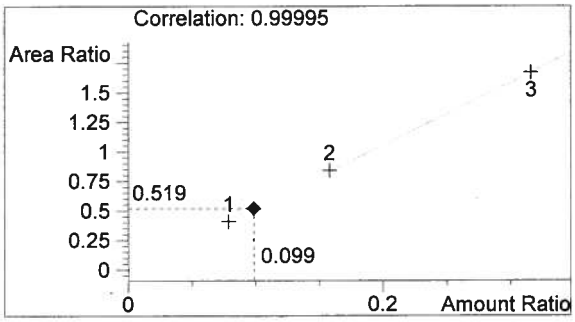
0.10 CTRL- BP
Brianna Peterson

vial # 15

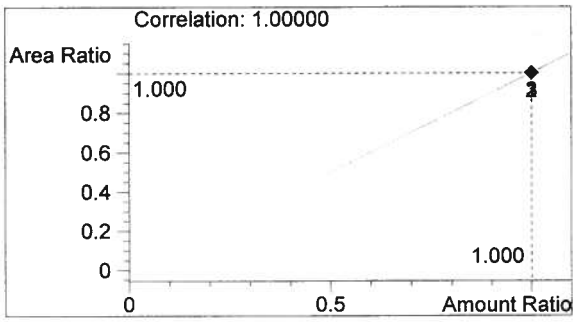


#	Compound	Area	RT
1	ETHANOL	895	1.067
2	n-PROPANOL	1724	1.828

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

BP

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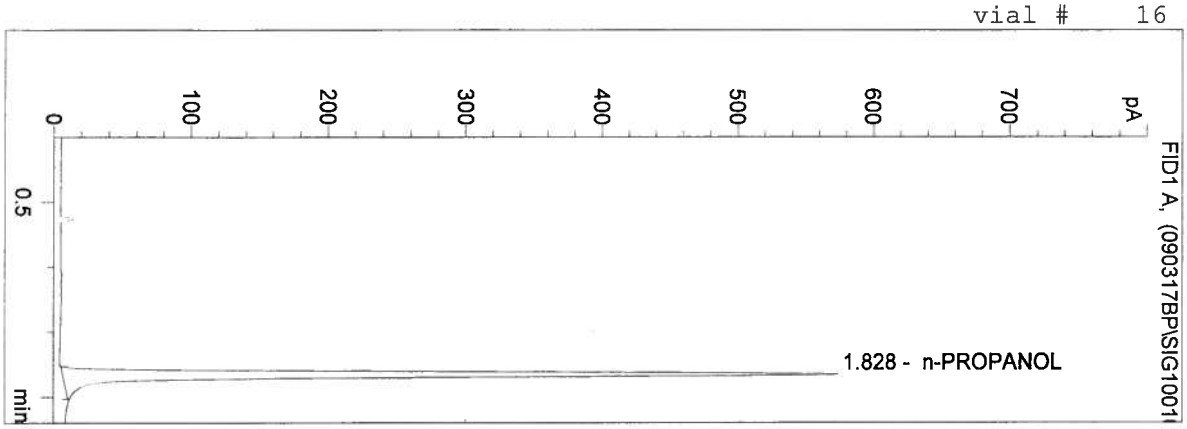
Instrument 3
db-alc2

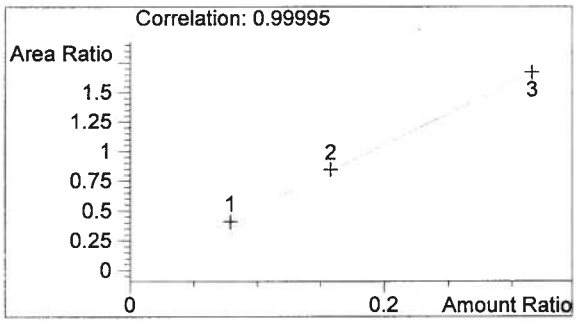
NEG CTRL BP
Brianna Peterson

vial # 16

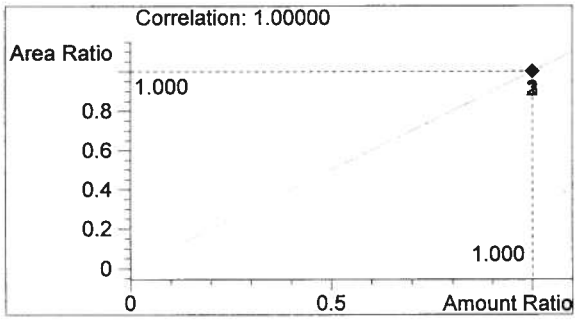


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1689	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

BP

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	090318JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A061507 - exp 11/2012
0.10 Control - Lot#A059621 - exp 08/2012
0.20 Control - Lot#A056773 - exp 03/2012

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 JK	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - JK	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - JK	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - JK	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC	1	Ctrl Samp		
10	Vial 10	QA09014-1	SIMALC	1	Sample		
11	Vial 11	QA09014-2	SIMALC	1	Sample		
12	Vial 12	QA09014-3	SIMALC	1	Sample		
13	Vial 13	QA09014-4	SIMALC	1	Sample		
14	Vial 14	QA09014-5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	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!

JK

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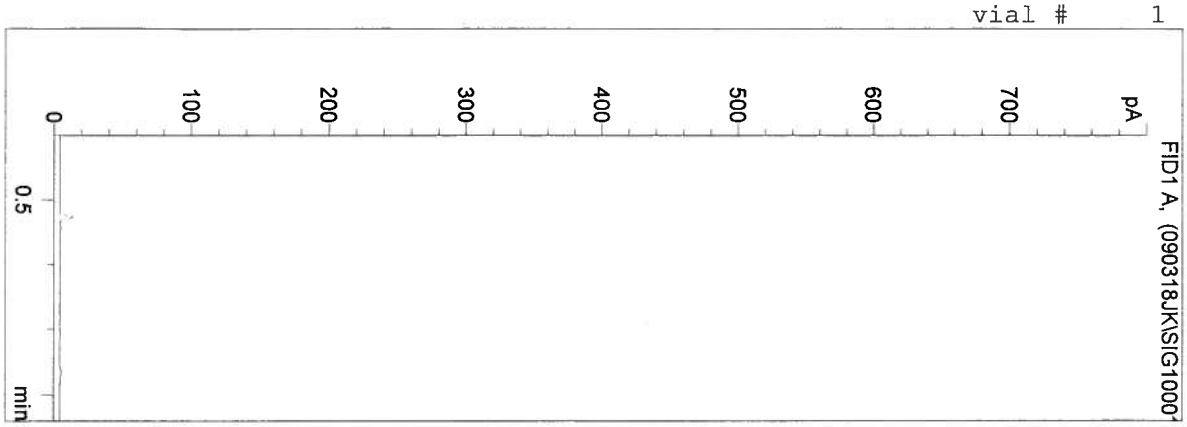
C:\HPCHEM\2\METHODS\SIMALC.M
3/18/2009 2:11:41 PM
Instrument 3
db-alc2

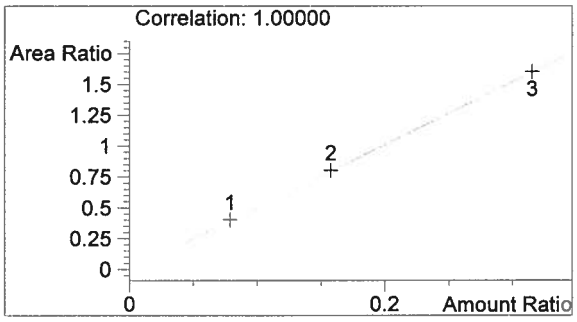
BLANK
Justin Knoy

vial # 1

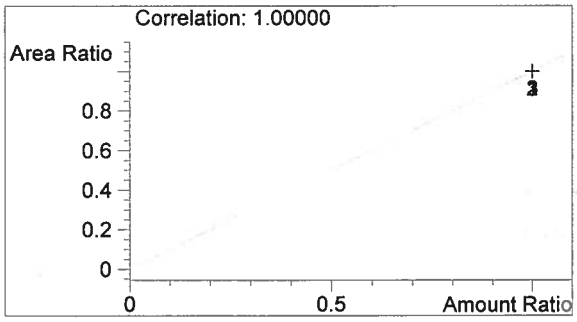


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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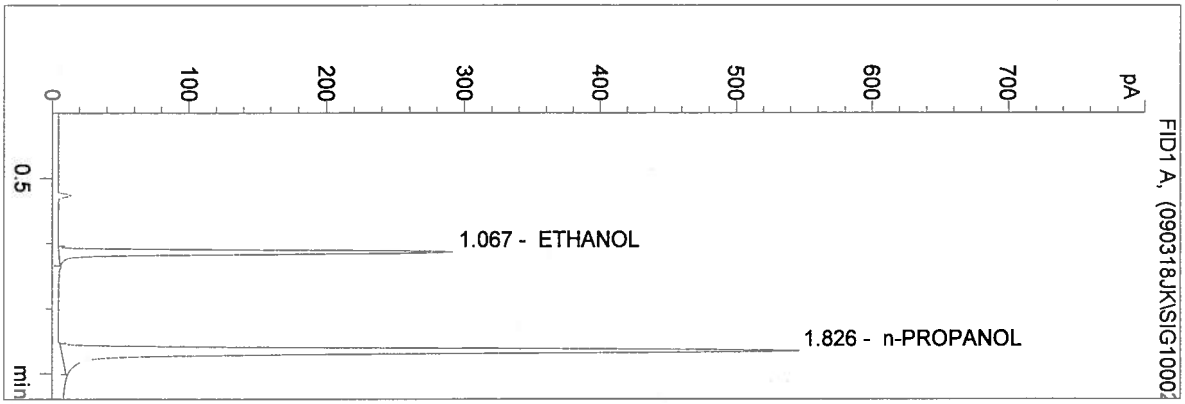
3/18/2009 2:14:48 PM
Instrument 3
db-alc2

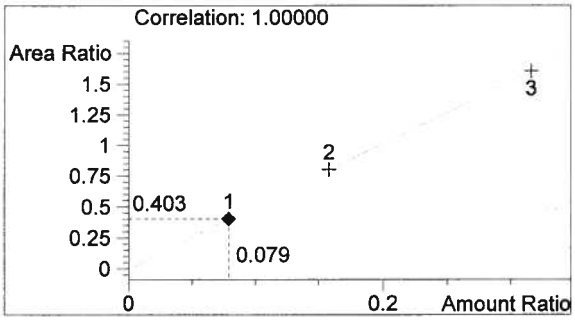
0.079 CAL 1
Justin Knoy

vial # 2

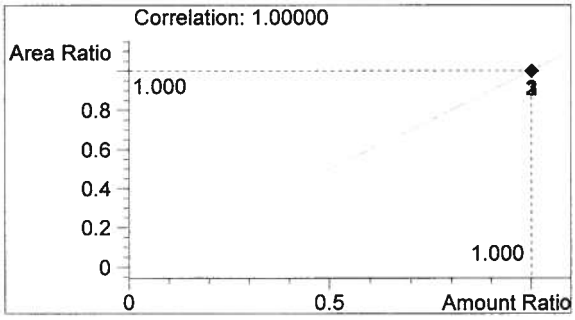


#	Compound	Area	RT
1	ETHANOL	644	1.067
2	n-PROPANOL	1600	1.826

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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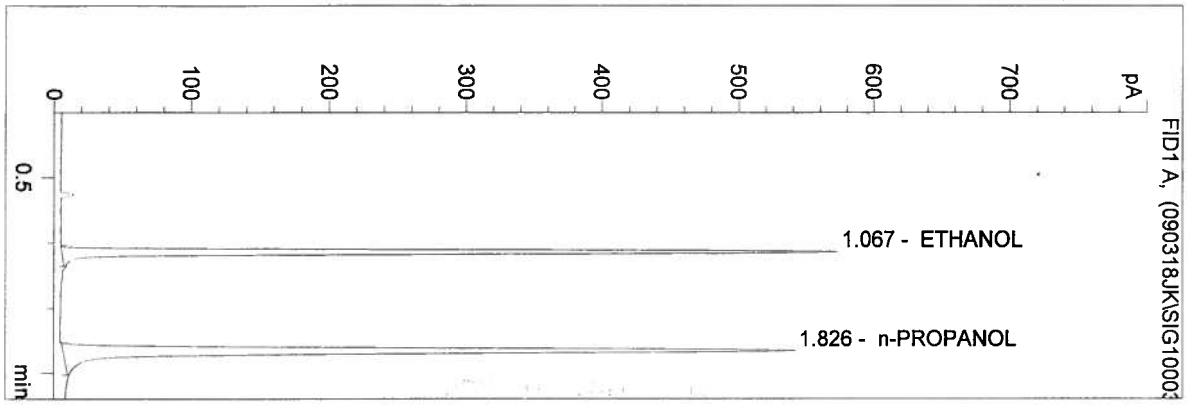
3/18/2009 2:17:56 PM
Instrument 3
db-alc2

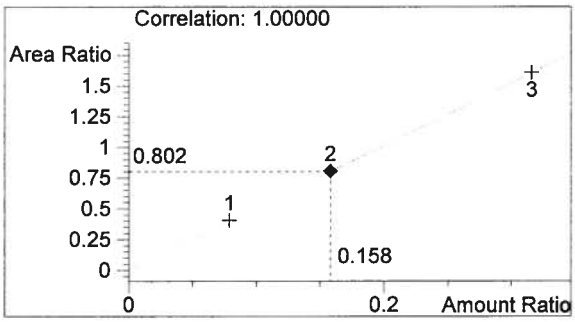
0.158 CAL 2
Justin Knoy

vial # 3

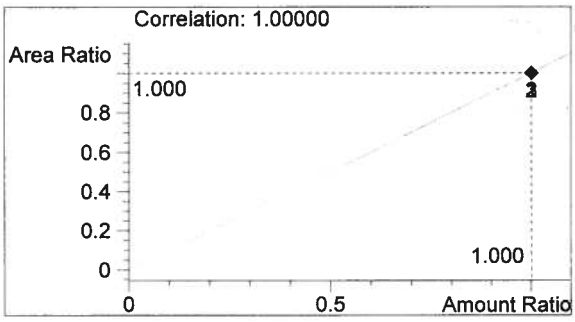


#	Compound	Area	RT
1	ETHANOL	1275	1.067
2	n-PROPANOL	1589	1.826

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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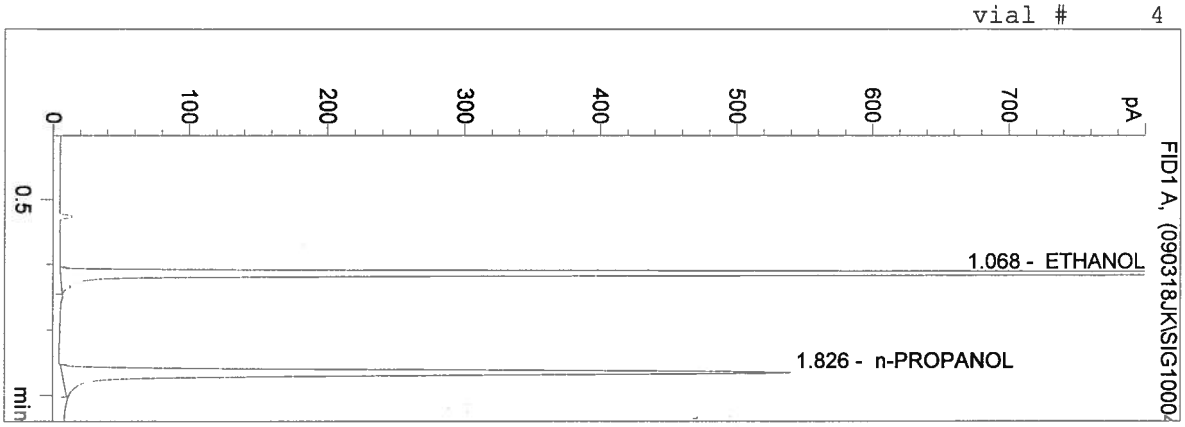
3/18/2009 2:21:04 PM
Instrument 3
db-alc2

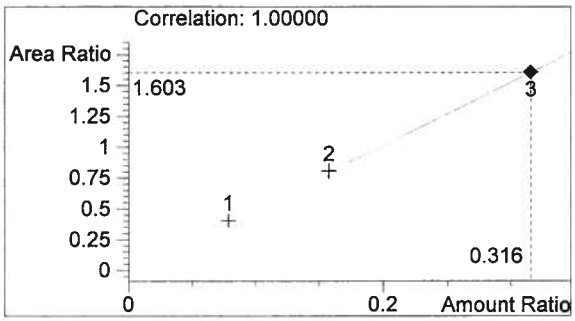
0.316 CAL 3
Justin Knoy

vial # 4

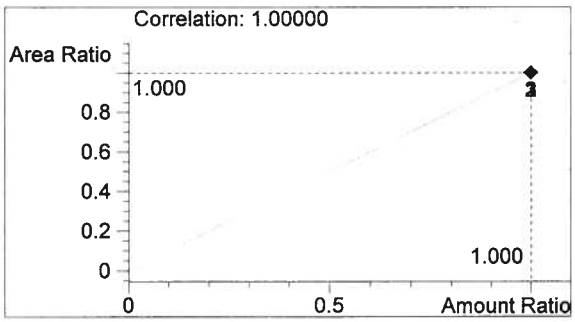


#	Compound	Area	RT
1	ETHANOL	2536	1.068
2	n-PROPANOL	1582	1.826

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

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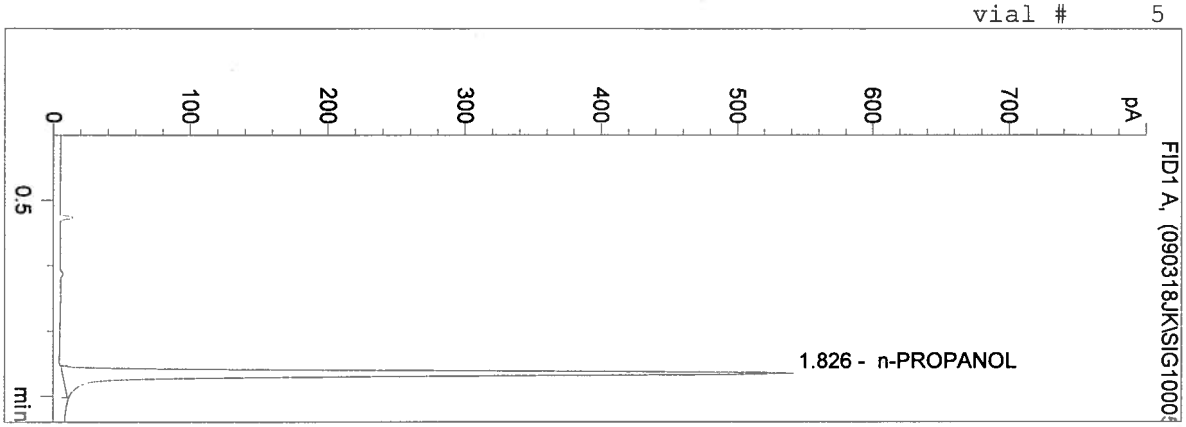
3/18/2009 2:24:12 PM
Instrument 3
db-alc2

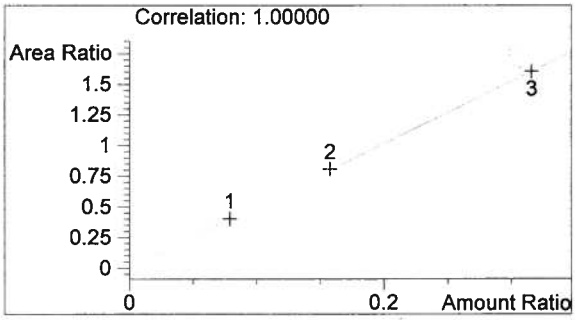
NEG CTRL JK
Justin Knoy

vial # 5

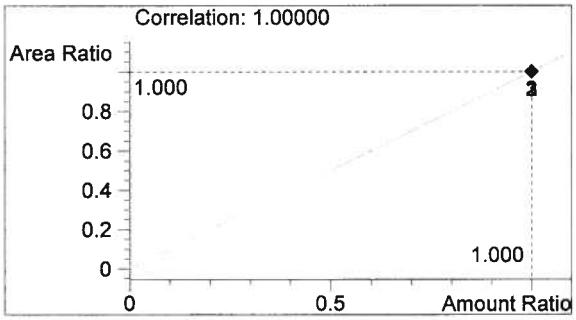


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1589	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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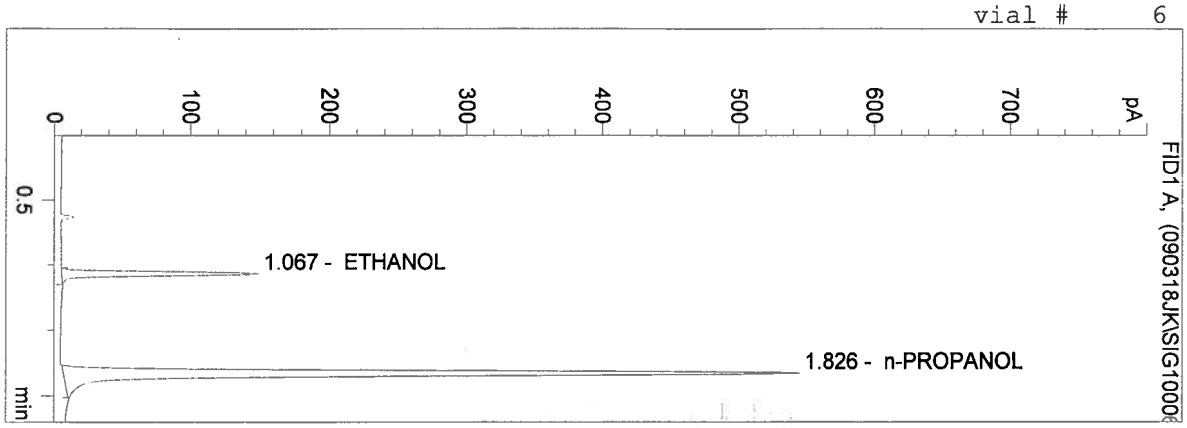
3/18/2009 2:27:20 PM
Instrument 3
db-alc2

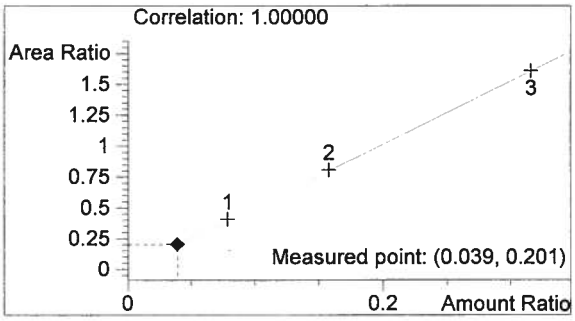
0.04 CTRL - JK
Justin Knoy

vial # 6

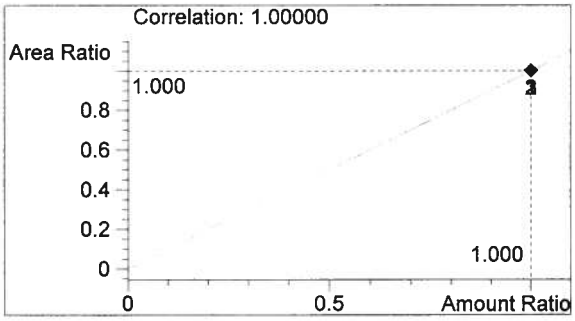


#	Compound	Area	RT
1	ETHANOL	321	1.067
2	n-PROPANOL	1597	1.826

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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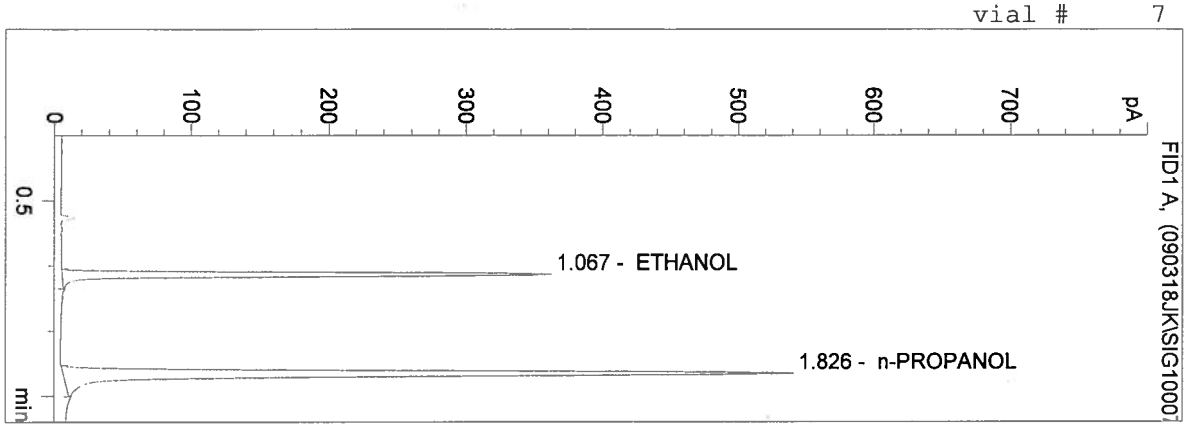
3/18/2009 2:30:27 PM
Instrument 3
db-alc2

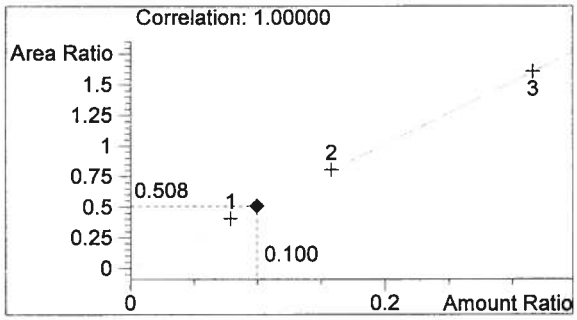
0.10 CTRL - JK
Justin Knoy

vial # 7

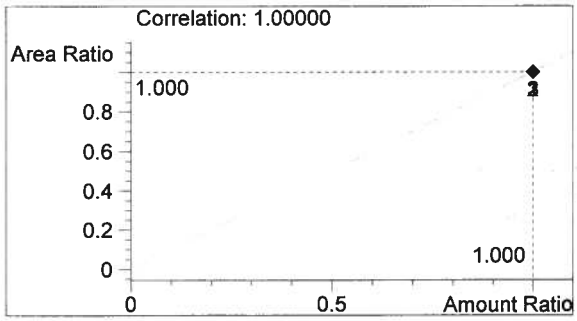


#	Compound	Area	RT
1	ETHANOL	804	1.067
2	n-PROPANOL	1585	1.826

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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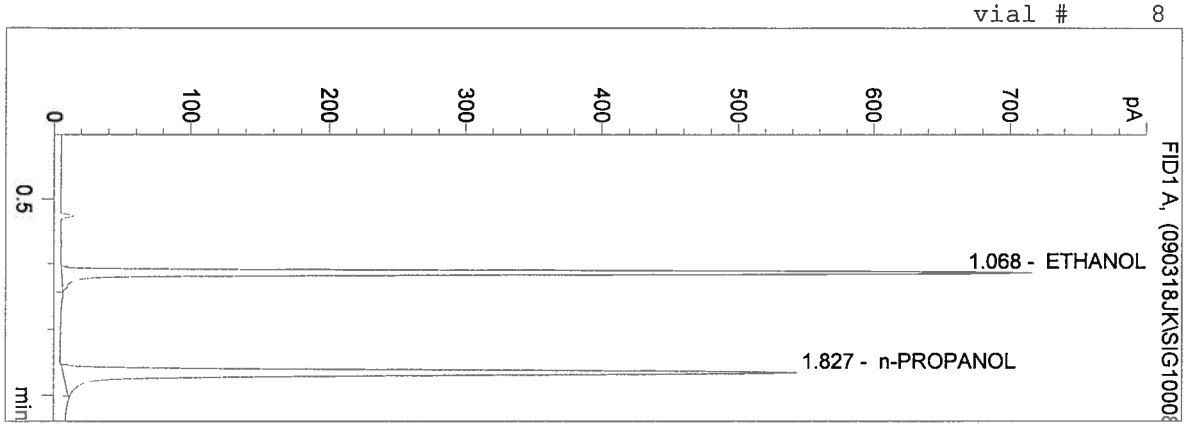
3/18/2009 2:33:35 PM
Instrument 3
db-alc2

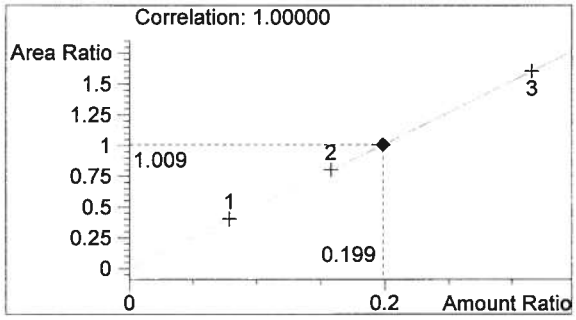
0.20 CTRL - JK
Justin Knoy

vial # 8

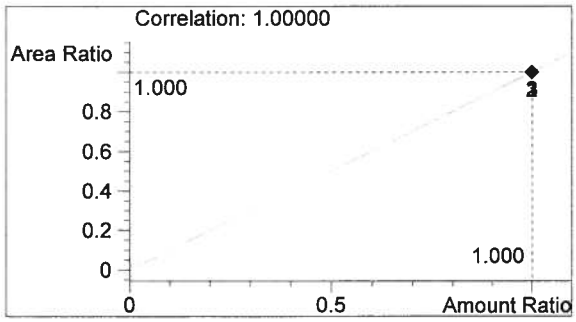


#	Compound	Area	RT
1	ETHANOL	1607	1.068
2	n-PROPANOL	1593	1.827

Totals:



ETHANOL 0.199 g/100ml



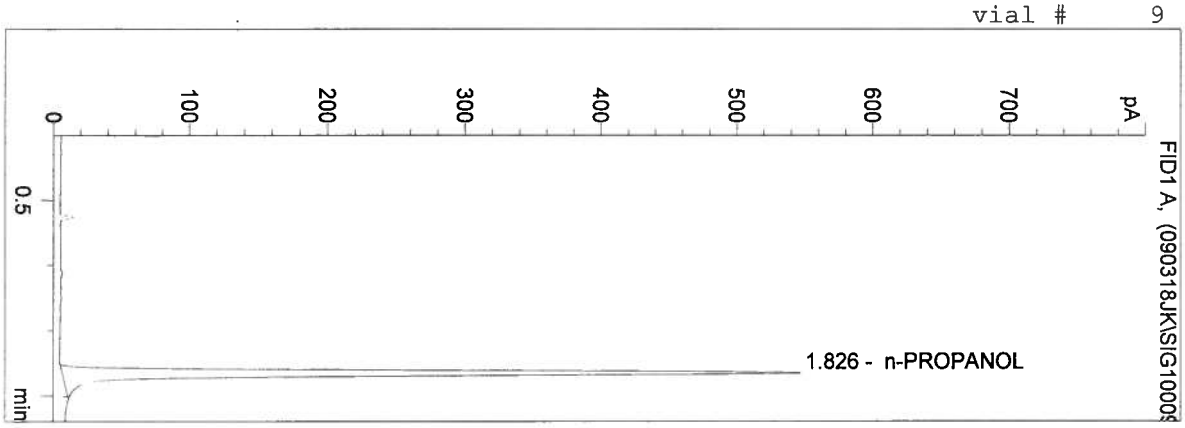
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/18/2009 2:36:43 PM
Instrument 3
db-alc2

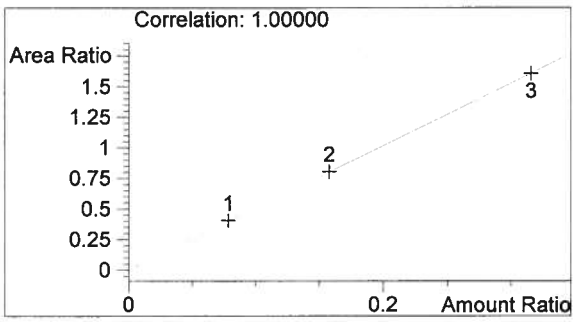
NEG CTRL JK
Justin Knoy

vial # 9

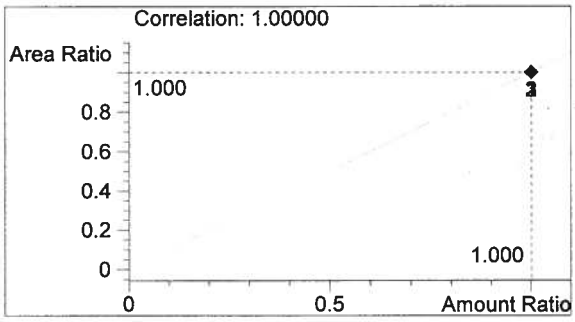


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1609	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

JK

WASHINGTON STATE TOXICOLOGY LABORATORY

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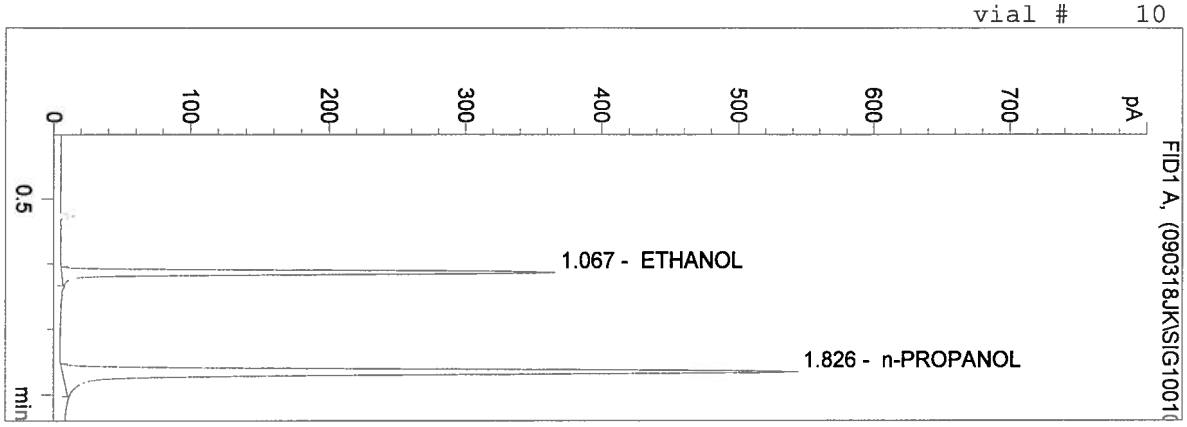
Instrument 3
db-alc2

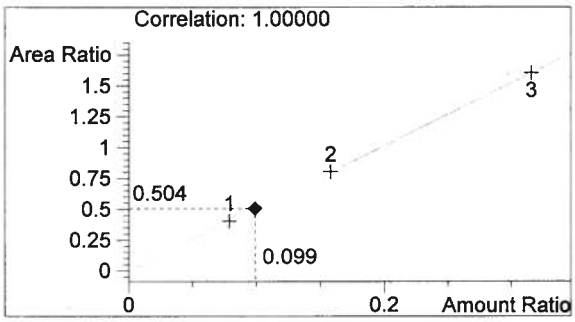
QA09014-1
Justin Knoy

vial # 10

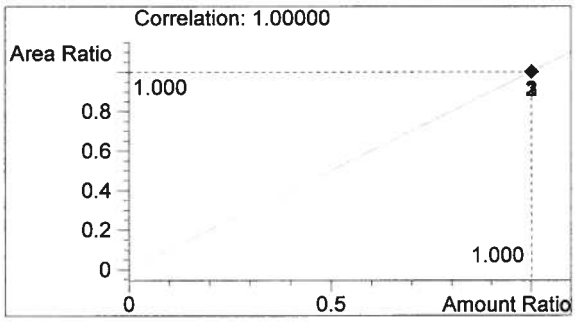


#	Compound	Area	RT
1	ETHANOL	806	1.067
2	n-PROPANOL	1597	1.826

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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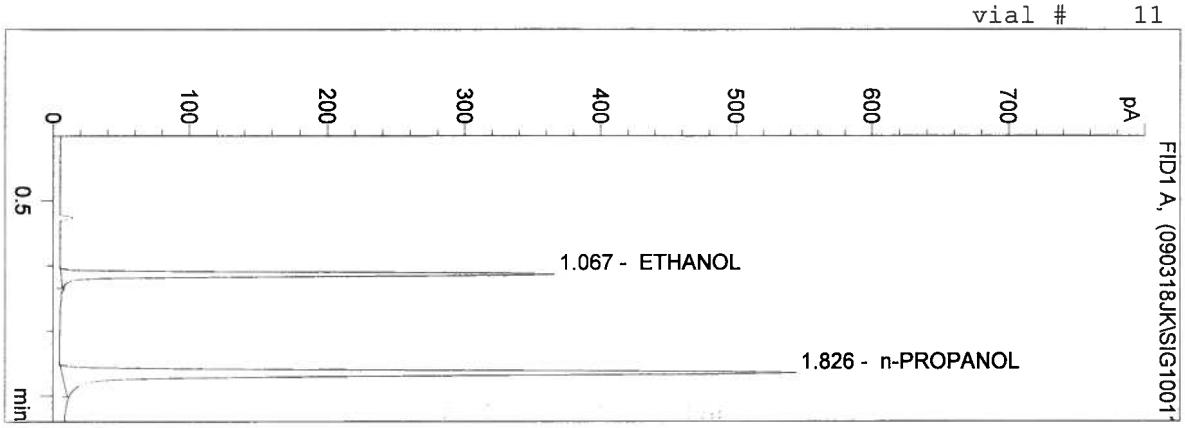
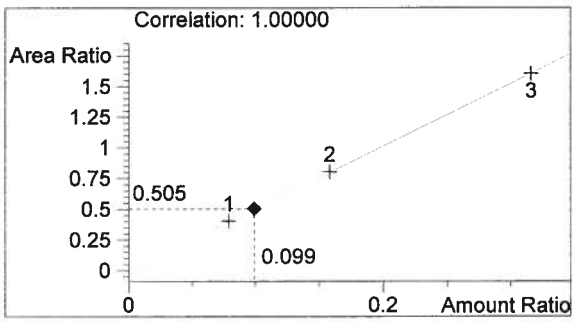
Instrument 3
db-alc2

QA09014-2
Justin Knoy

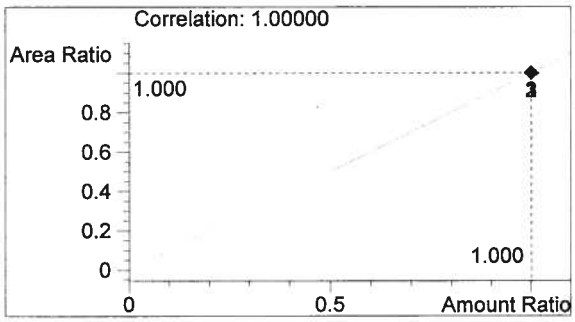
vial # 11



#	Compound	Area	RT
1	ETHANOL	807	1.067
2	n-PROPANOL	1597	1.826
Totals:			



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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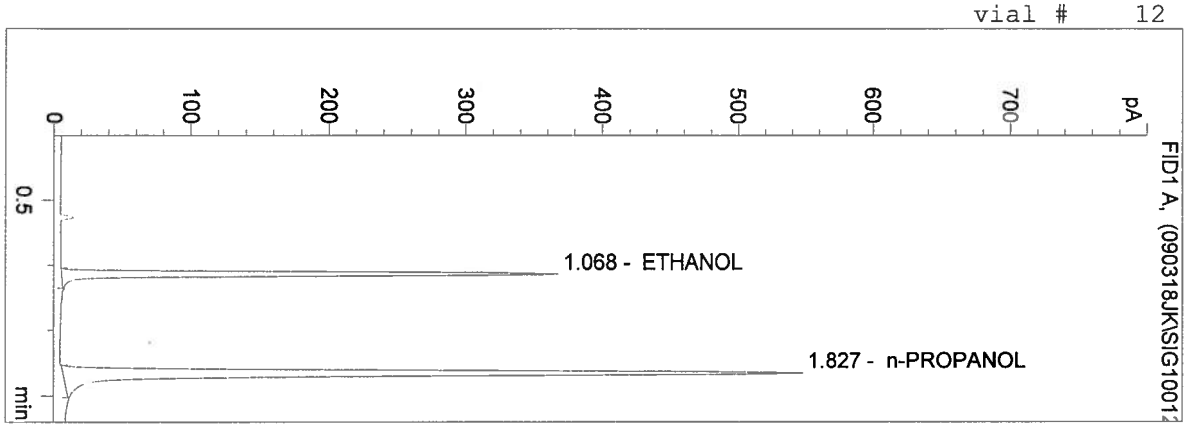
Instrument 3
db-alc2

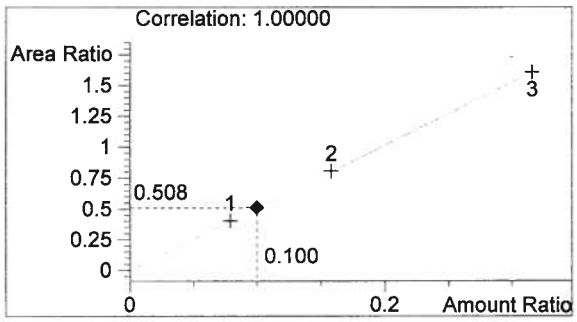
QA09014-3
Justin Knoy

vial # 12

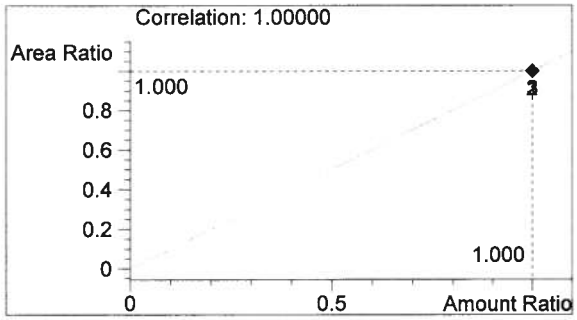


#	Compound	Area	RT
1	ETHANOL	818	1.068
2	n-PROPANOL	1609	1.827

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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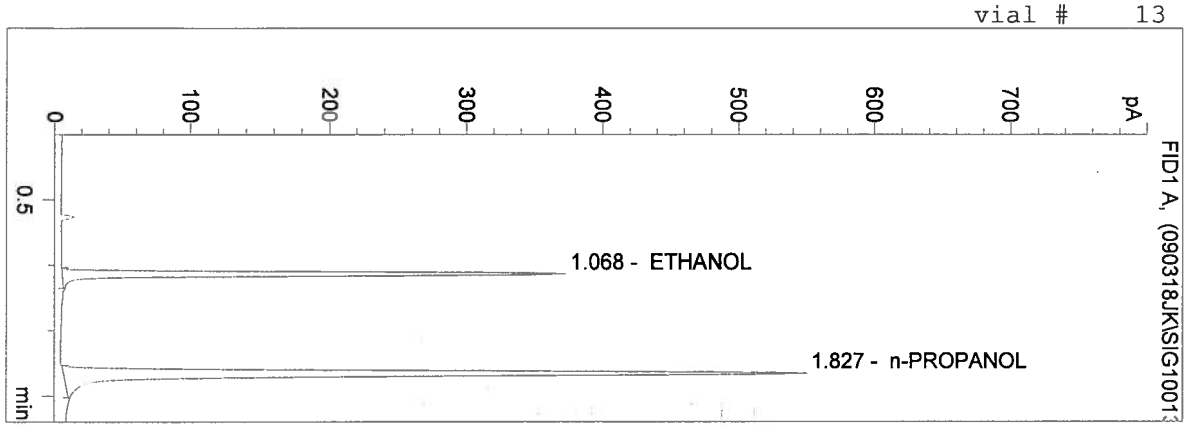
3/18/2009 2:49:14 PM
Instrument 3
db-alc2

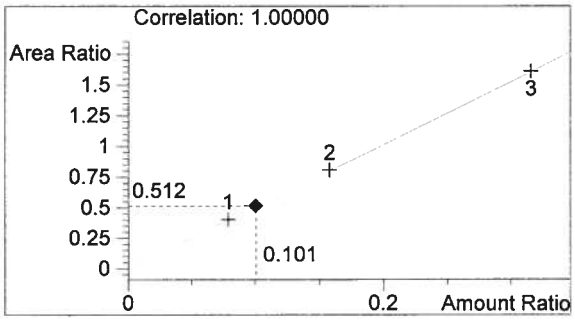
QA09014-4
Justin Knoy

vial # 13

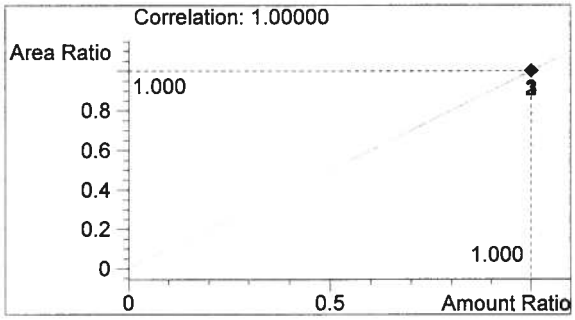


#	Compound	Area	RT
1	ETHANOL	827	1.068
2	n-PROPANOL	1615	1.827

Totals:



ETHANOL 0.101 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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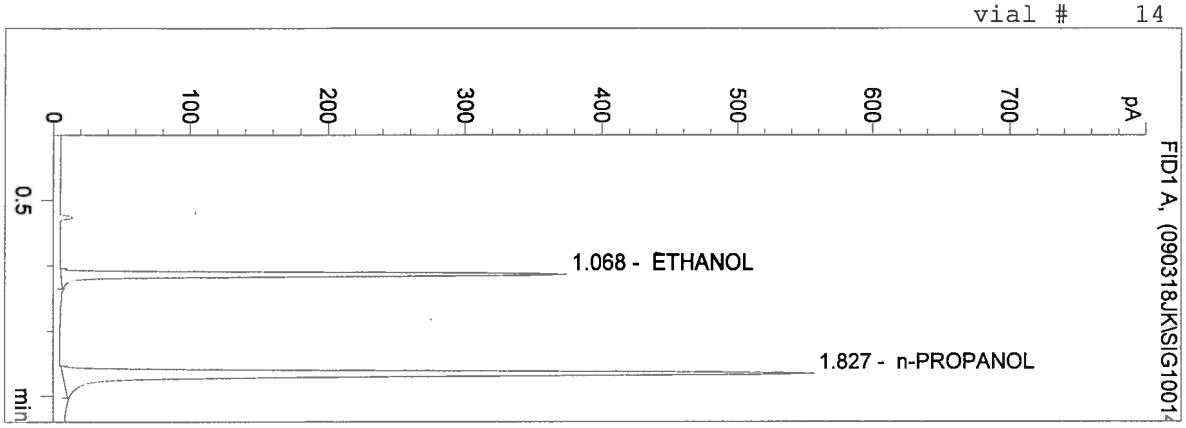
3/18/2009 2:52:21 PM
Instrument 3
db-alc2

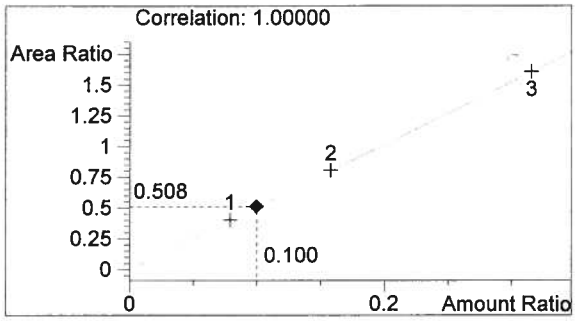
QA09014-5
Justin Knoy

vial # 14

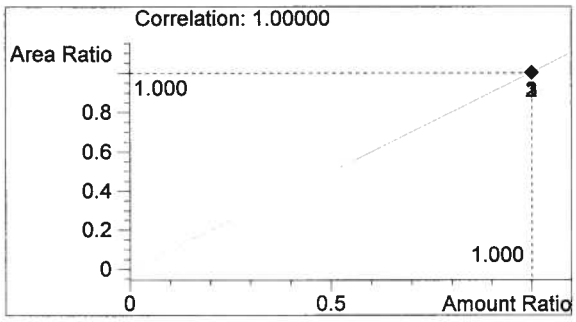


#	Compound	Area	RT
1	ETHANOL	831	1.068
2	n-PROPANOL	1635	1.827

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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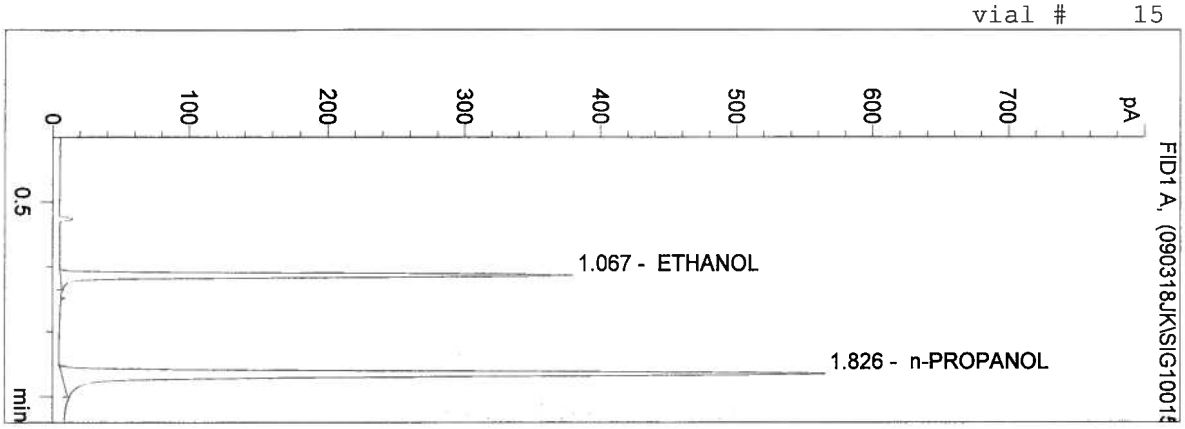
Instrument 3
db-alc2

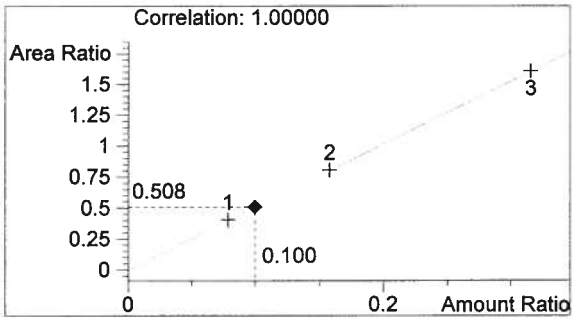
0.10 CTRL JK
Justin Knoy

vial # 15

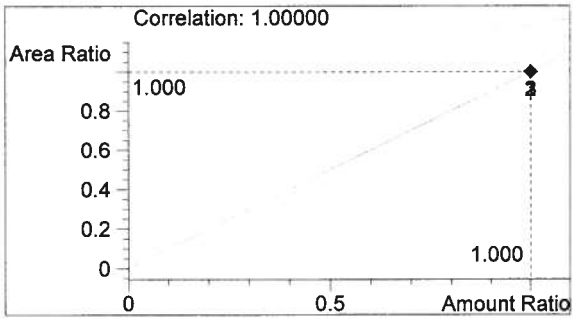


#	Compound	Area	RT
1	ETHANOL	840	1.067
2	n-PROPANOL	1654	1.826

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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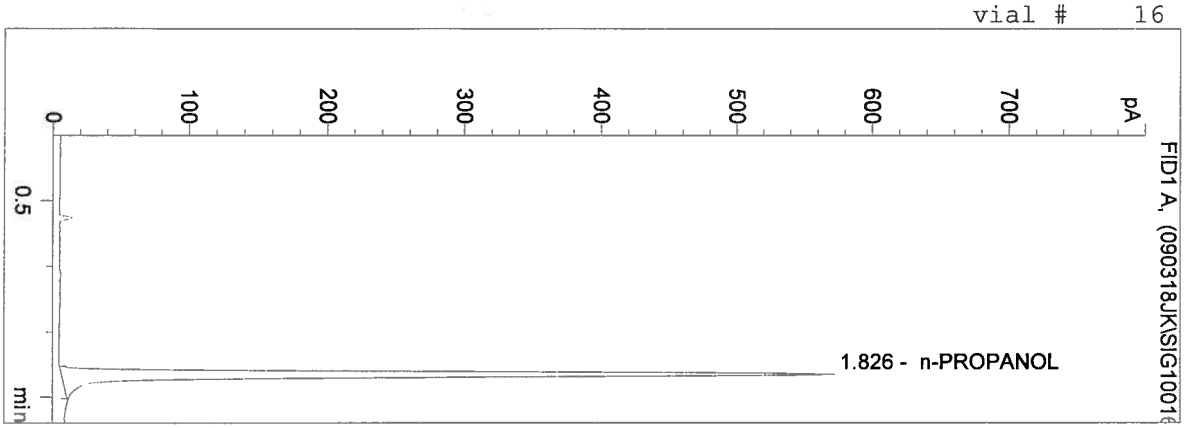
3/18/2009 2:58:37 PM
Instrument 3
db-alc2

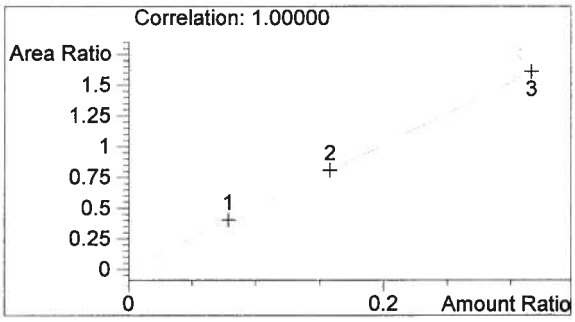
NEG CTRL JK
Justin Knoy

vial # 16

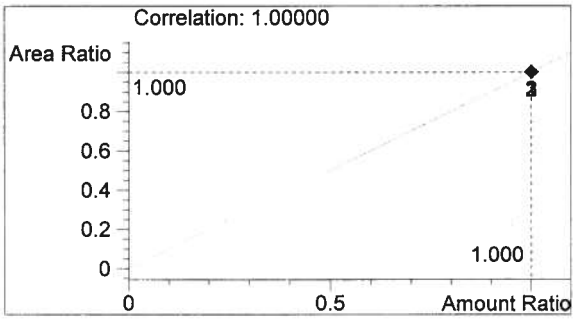


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1684	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

Sequence Parameters:

Operator:	Estuardo J. Miranda
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:	090318EM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

EM

Sequence Comment:
0.04 Control Lot #A061507 Exp 11/2012
0.10 Control Lot #A059621 Exp 08/2012
0.20 Control Lot #A056773 Exp 03/2012

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 Control EM	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 Control EM	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 Control EM	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 Control EM	SIMALC	1	Ctrl Samp		
9	Vial 9	Neg Control EM	SIMALC	1	Ctrl Samp		
10	Vial 10	Q.A. 09014-1	SIMALC	1	Sample		
11	Vial 11	Q.A. 09014-2	SIMALC	1	Sample		
12	Vial 12	Q.A. 09014-3	SIMALC	1	Sample		
13	Vial 13	Q.A. 09014-4	SIMALC	1	Sample		
14	Vial 14	Q.A. 09014-5	SIMALC	1	Sample		
15	Vial 15	0.10 Control EM	SIMALC	1	Ctrl Samp		
16	Vial 16	Neg Control EM	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!

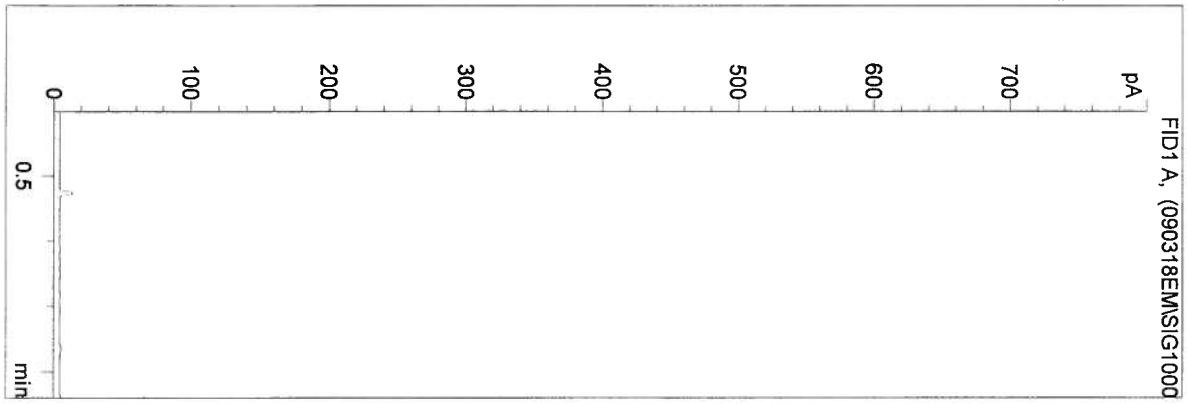
EM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
3/18/2009 4:07:46 PM
Instrument 3
db-alc2

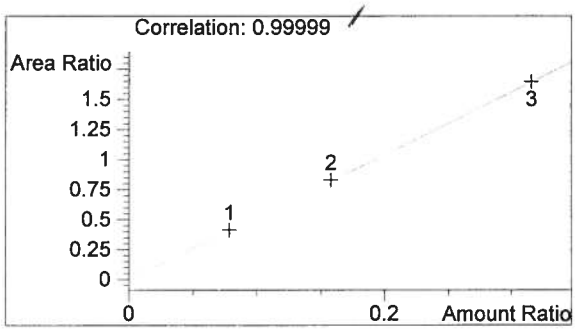
Blank
Estuardo J. Miranda

vial # 1

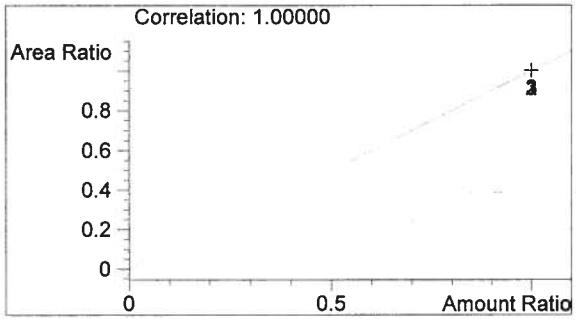


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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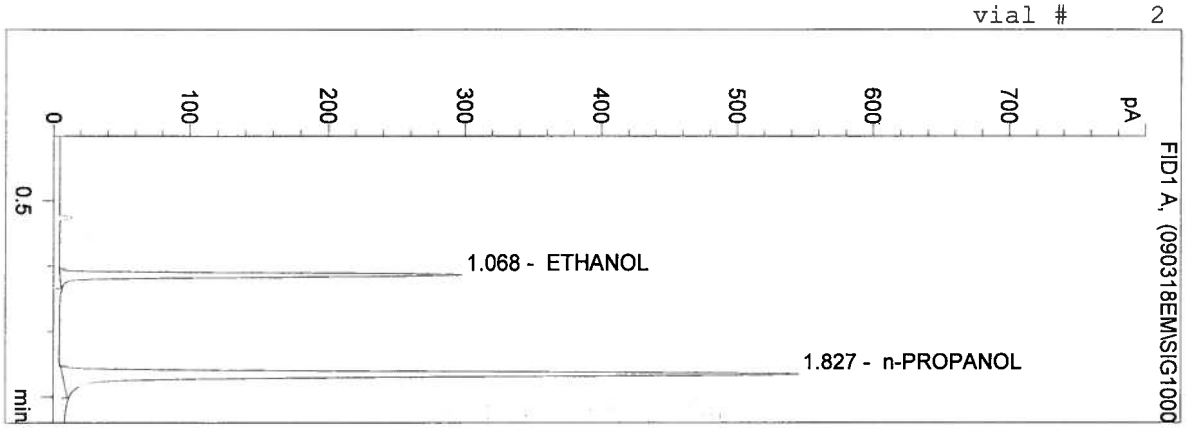
3/18/2009 4:10:54 PM
Instrument 3
db-alc2

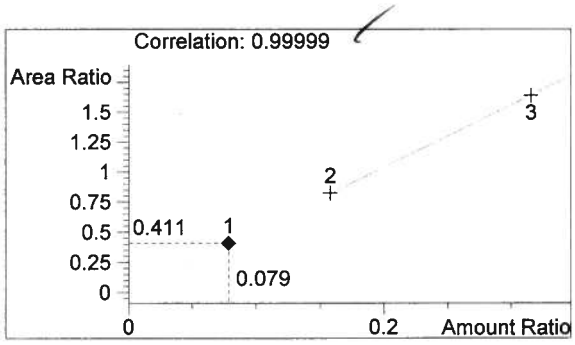
0.079 CAL 1
Estuardo J. Miranda

vial # 2



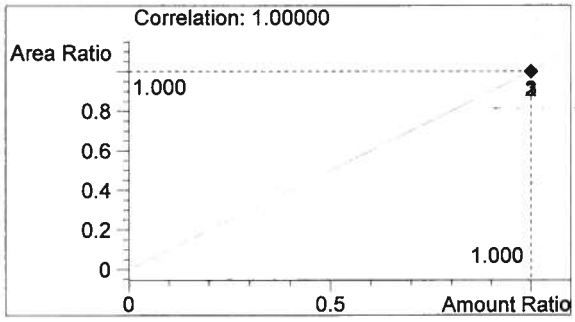
#	Compound	Area	RT
1	ETHANOL	653	1.068
2	n-PROPANOL	1591	1.827

Totals:



ETHANOL 0.079 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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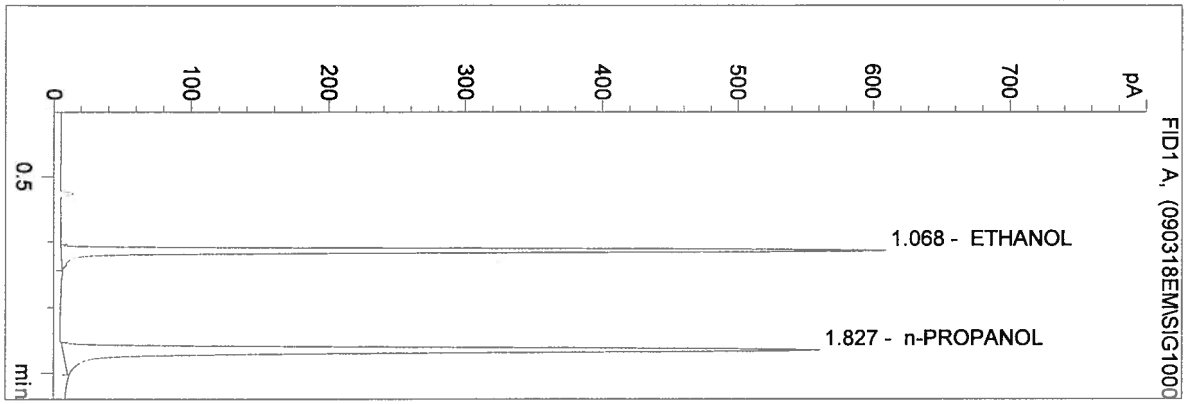
3/18/2009 4:14:02 PM
Instrument 3
db-alc2

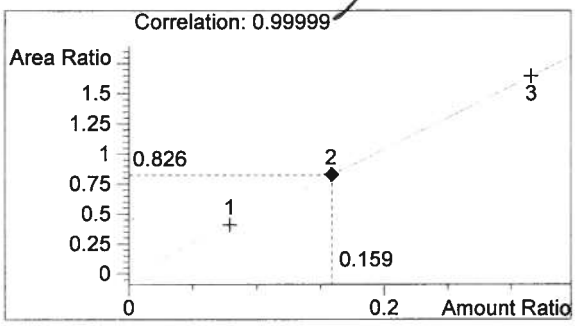
0.158 CAL 2
Estuardo J. Miranda

vial # 3

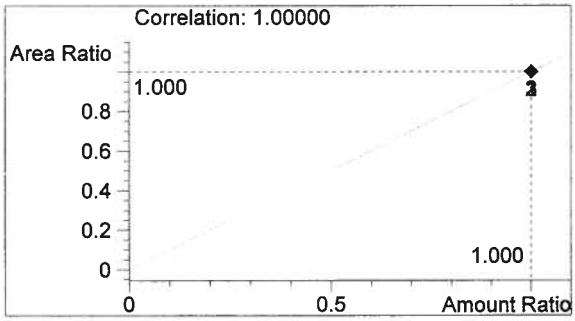


#	Compound	Area	RT
1	ETHANOL	1349	1.068
2	n-PROPANOL	1634	1.827

Totals:



ETHANOL 0.159 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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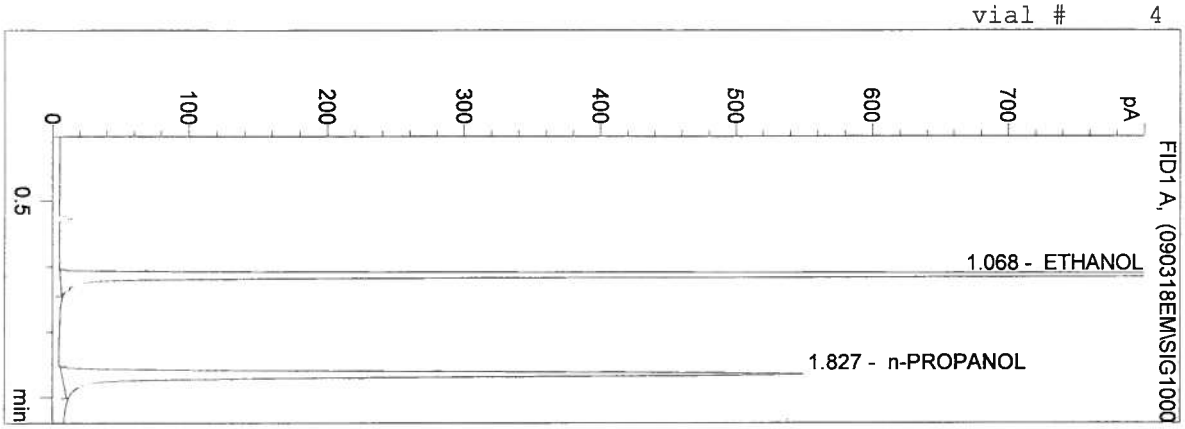
3/18/2009 4:17:09 PM
Instrument 3
db-alc2

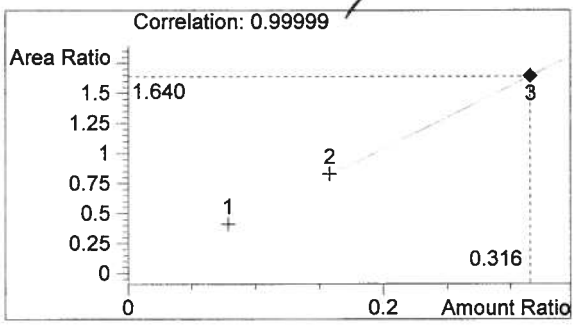
0.316 CAL 3
Estuardo J. Miranda

vial # 4

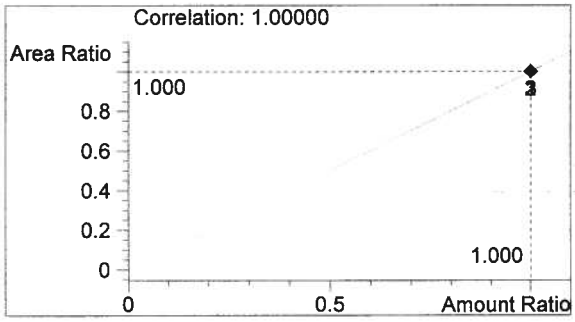


#	Compound	Area	RT
1	ETHANOL	2629	1.068
2	n-PROPANOL	1603	1.827

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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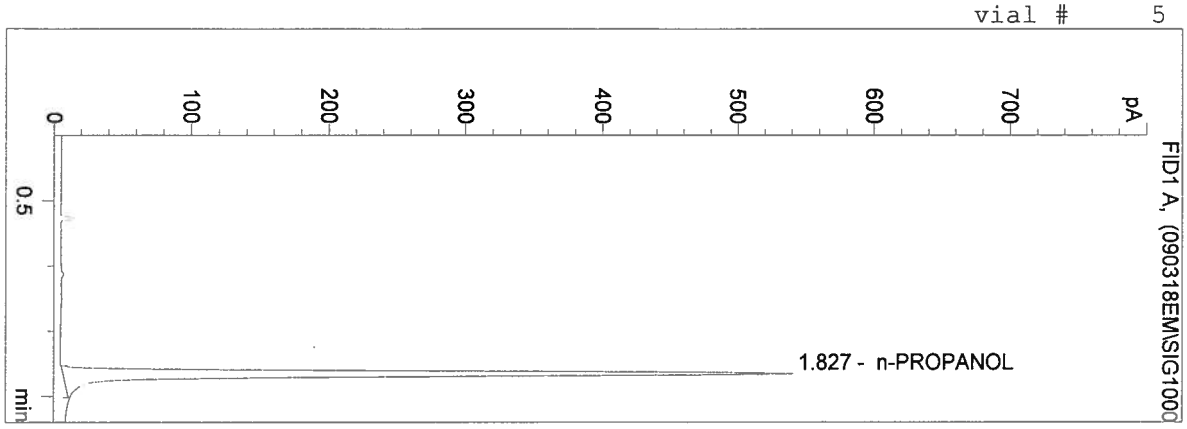
3/18/2009 4:20:17 PM
Instrument 3
db-alc2

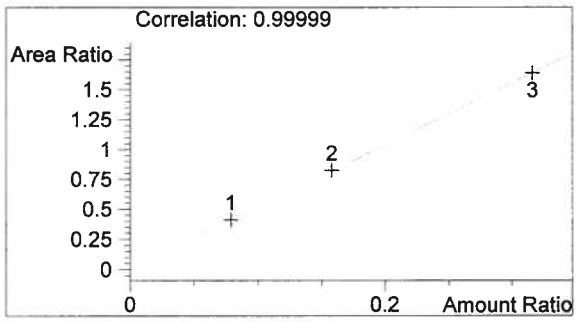
Neg Control EM
Estuardo J. Miranda

vial # 5



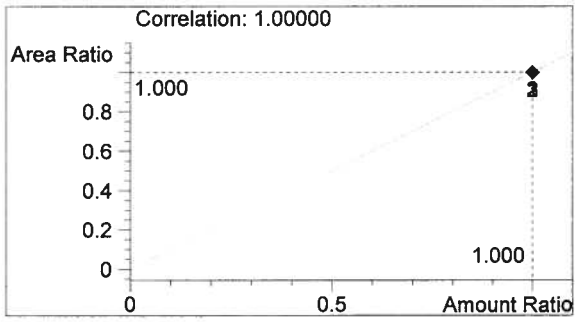
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1582	1.827

Totals:



ETHANOL 0.000 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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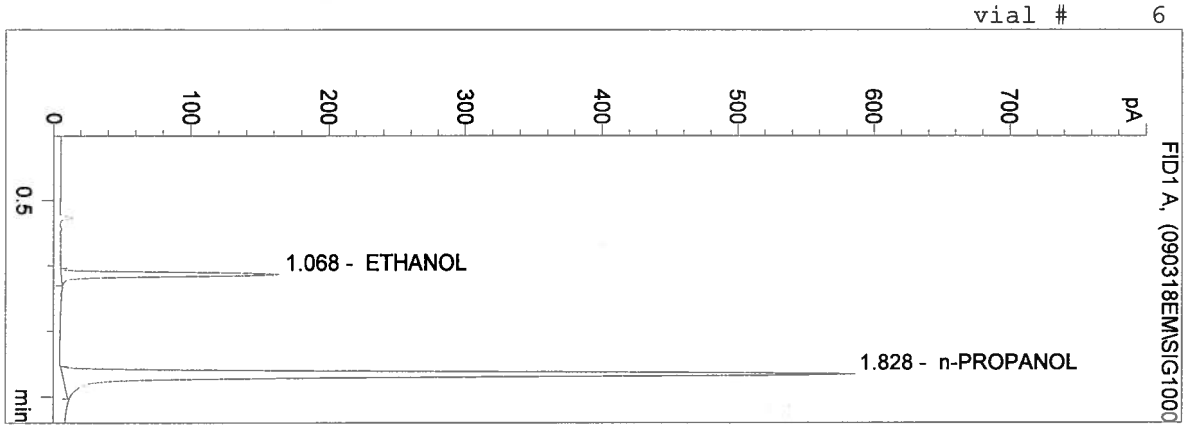
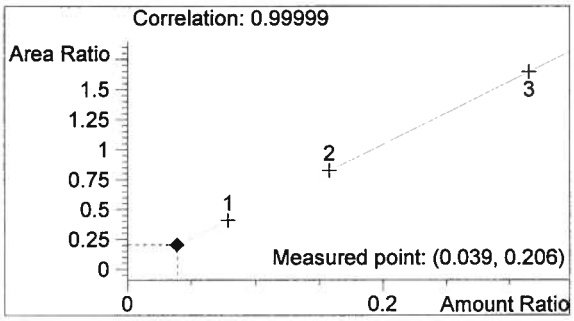
3/18/2009 4:23:25 PM
Instrument 3
db-alc2

0.04 Control EM
Estuardo J. Miranda

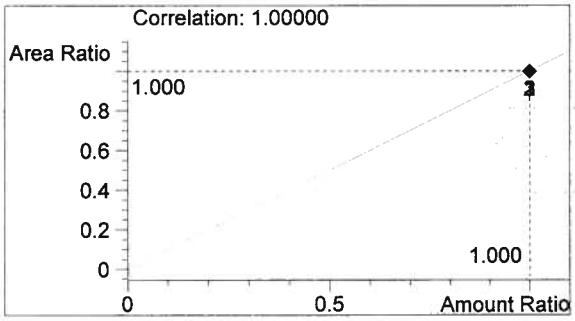
vial # 6



#	Compound	Area	RT
1	ETHANOL	354	1.068
2	n-PROPANOL	1714	1.828
Totals:			



ETHANOL 0.039 g/100ml EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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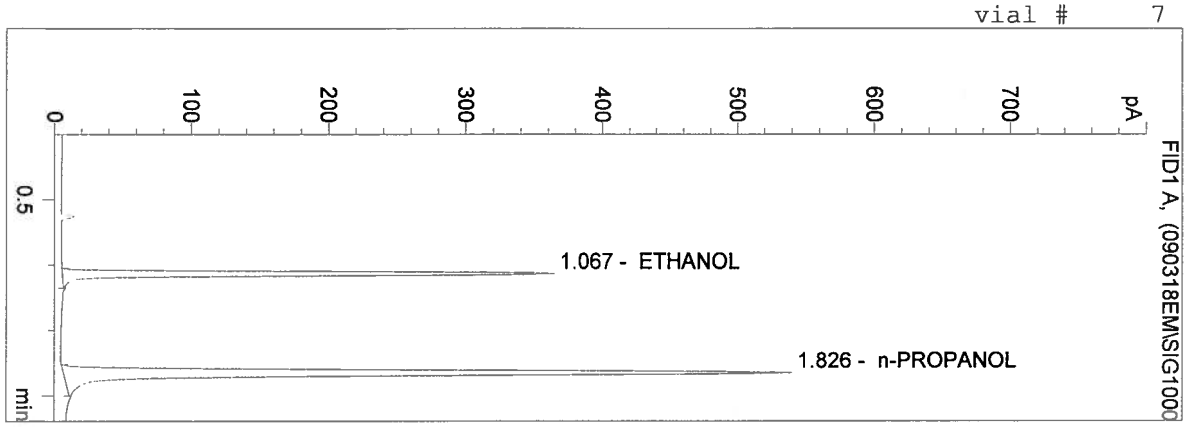
Instrument 3
db-alc2

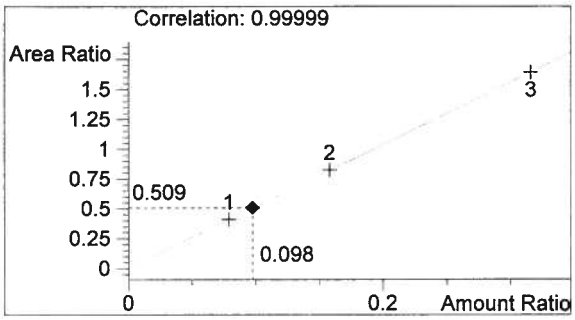
0.10 Control EM
Estuardo J. Miranda

vial # 7



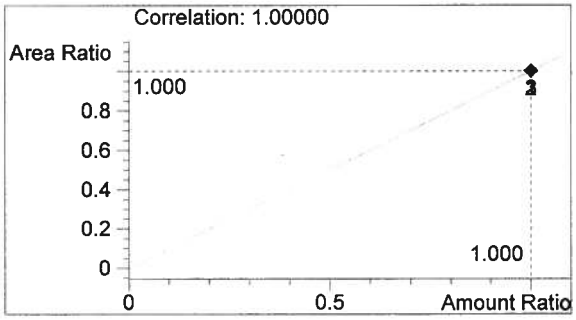
#	Compound	Area	RT
1	ETHANOL	804	1.067
2	n-PROPANOL	1580	1.826

Totals:



ETHANOL 0.098 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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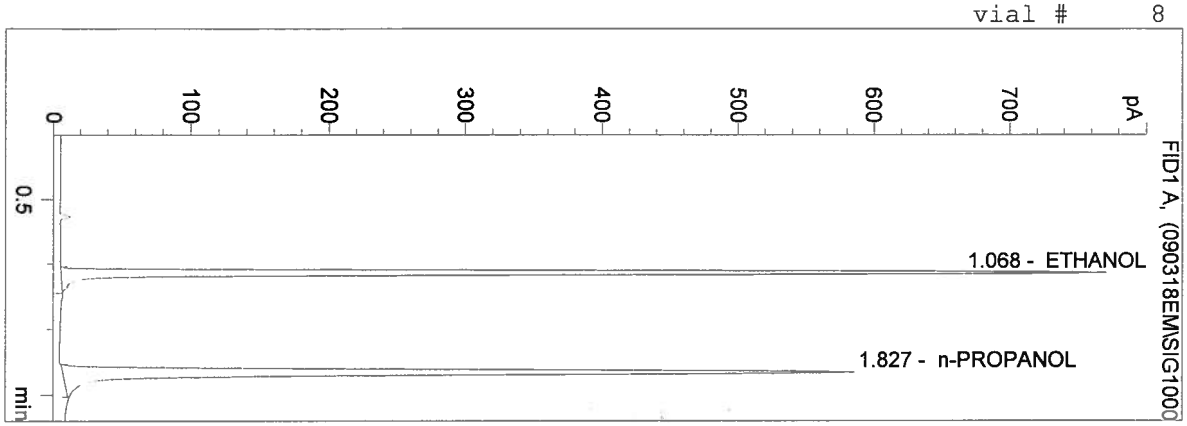
Instrument 3
db-alc2

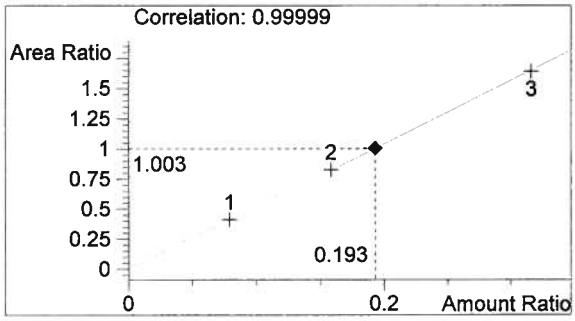
0.20 Control EM
Estuardo J. Miranda

vial # 8

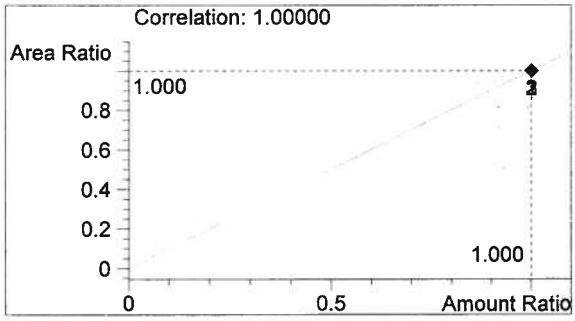


#	Compound	Area	RT
1	ETHANOL	1711	1.068
2	n-PROPANOL	1706	1.827

Totals:



ETHANOL 0.193 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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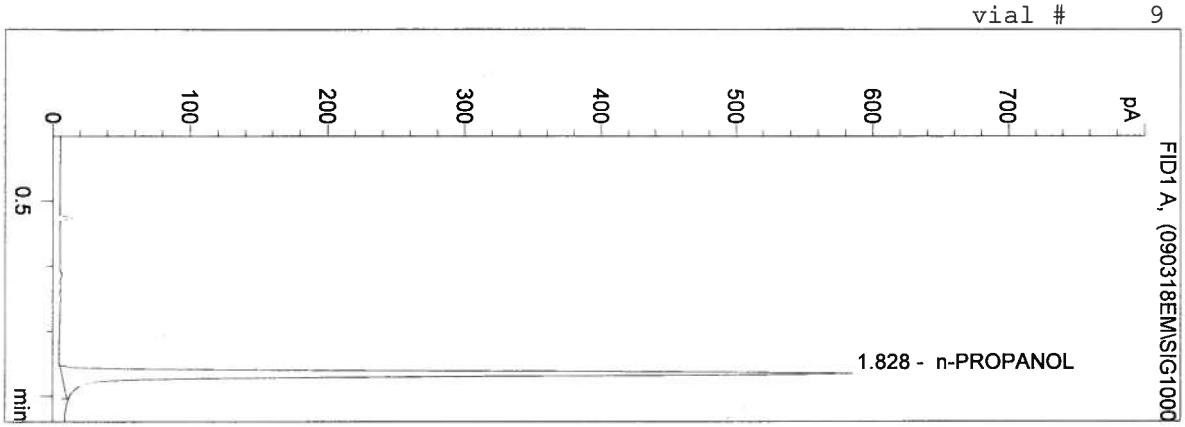
Instrument 3
db-alc2

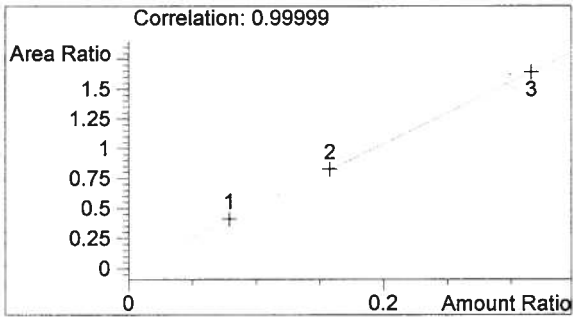
Neg Control EM
Estuardo J. Miranda

vial # 9

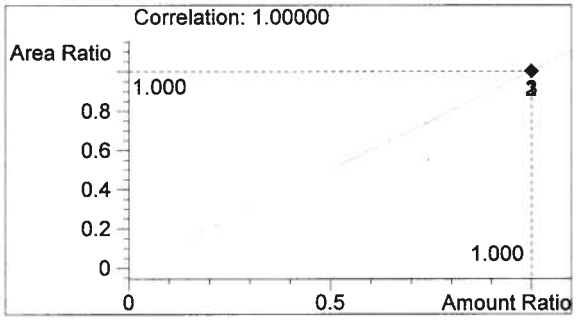


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1713	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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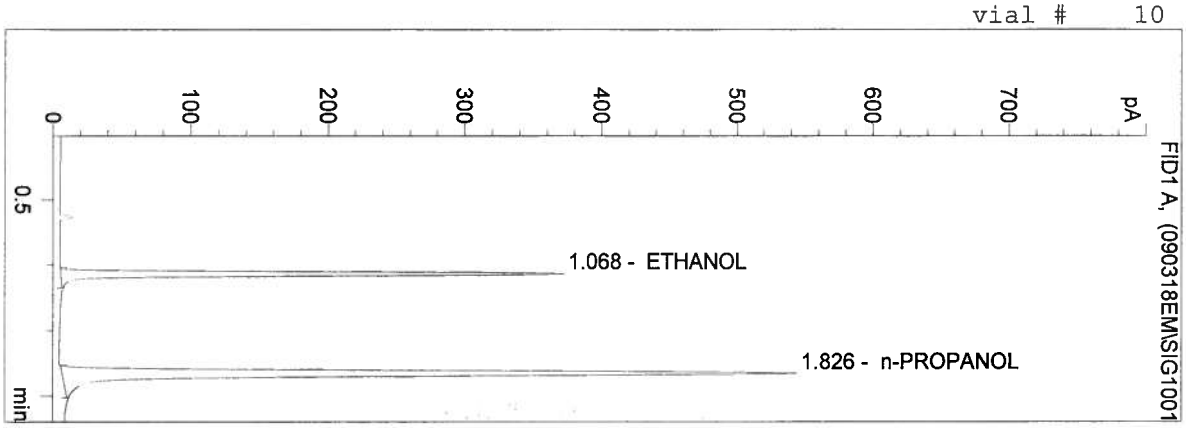
Instrument 3
db-alc2

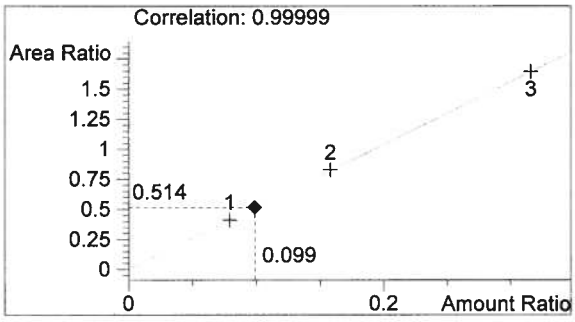
Q.A. 09014-1
Estuardo J. Miranda

vial # 10

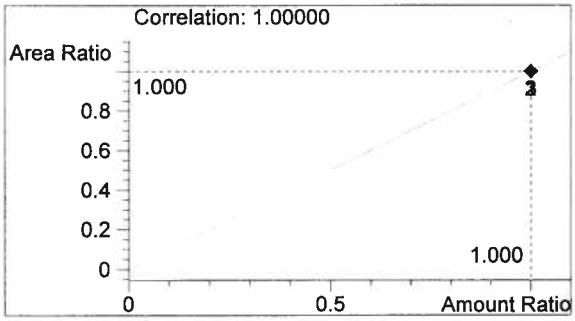


#	Compound	Area	RT
1	ETHANOL	817	1.068
2	n-PROPANOL	1590	1.826

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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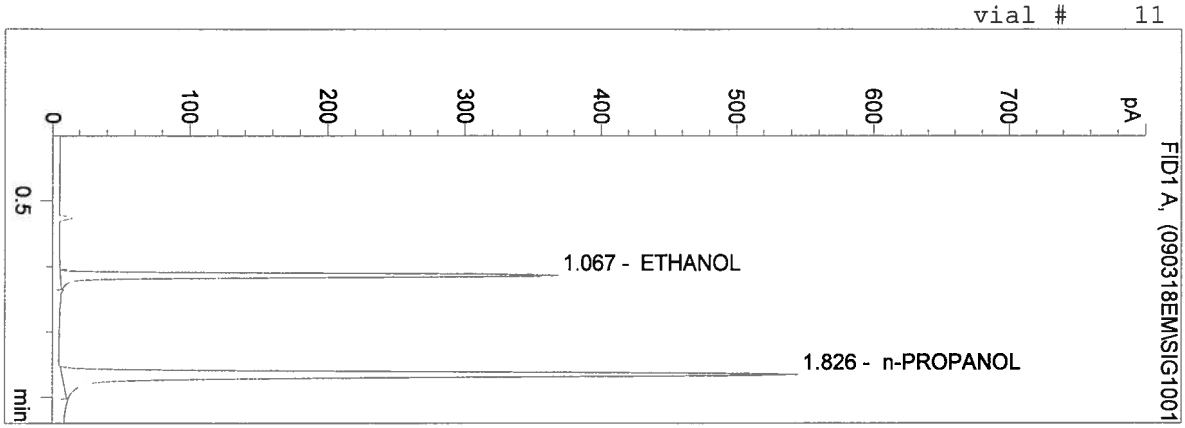
Instrument 3
db-alc2

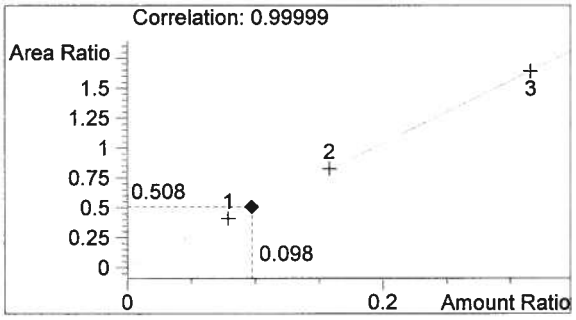
Q.A. 09014-2
Estuardo J. Miranda

vial # 11

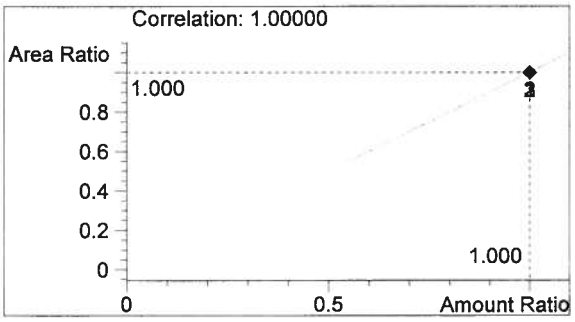


#	Compound	Area	RT
1	ETHANOL	809	1.067
2	n-PROPANOL	1593	1.826

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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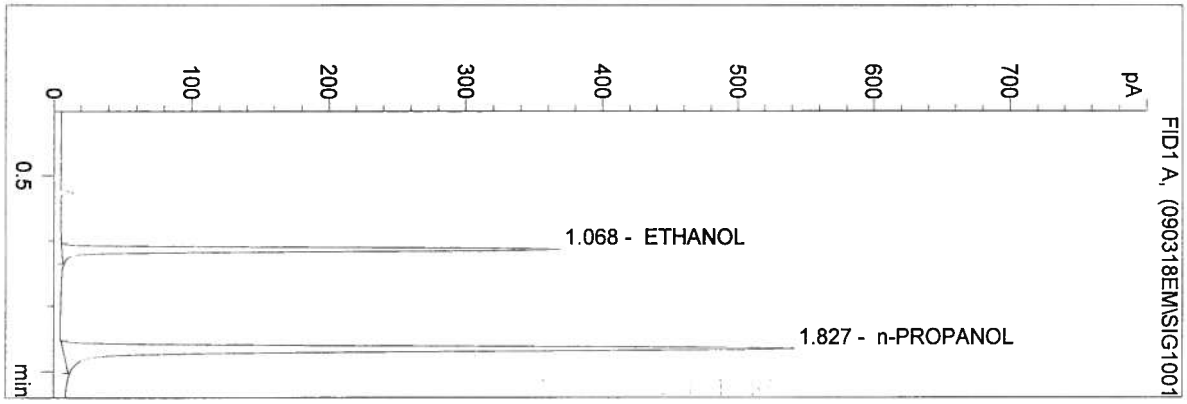
Instrument 3
db-alc2

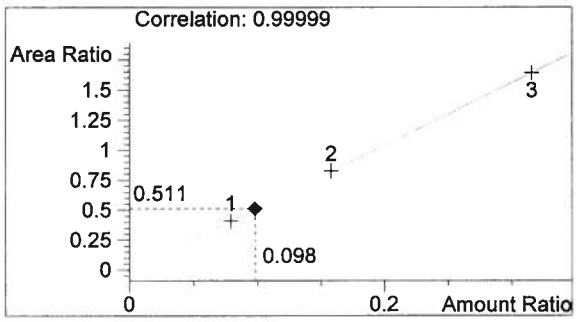
Q.A. 09014-3
Estuardo J. Miranda

vial # 12



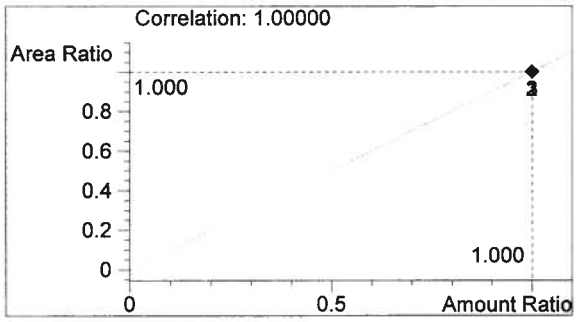
#	Compound	Area	RT
1	ETHANOL	810	1.068
2	n-PROPANOL	1584	1.827

Totals:



ETHANOL 0.098 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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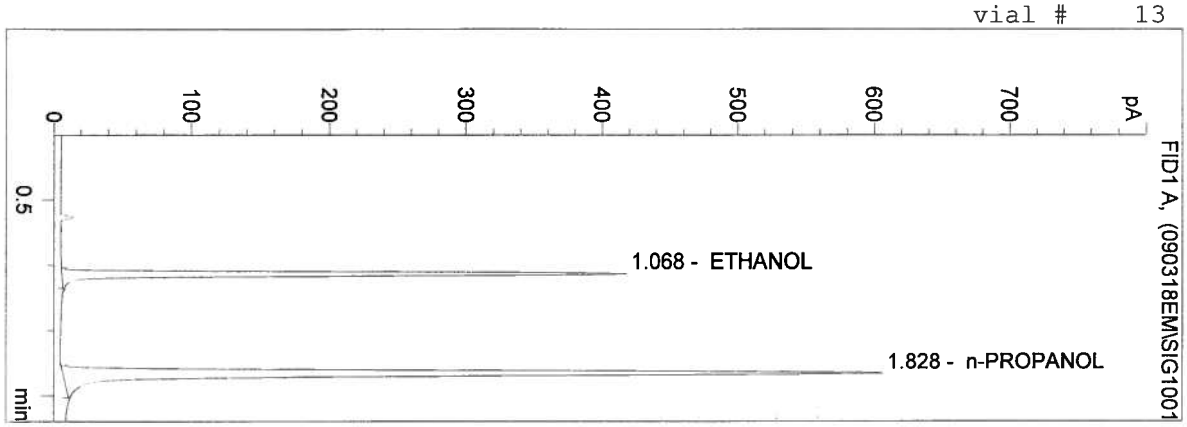
Instrument 3
db-alc2

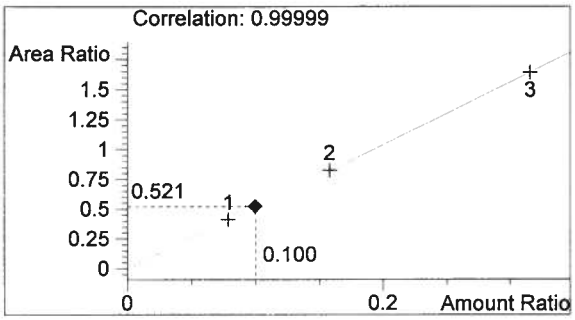
Q.A. 09014-4
Estuardo J. Miranda

vial # 13

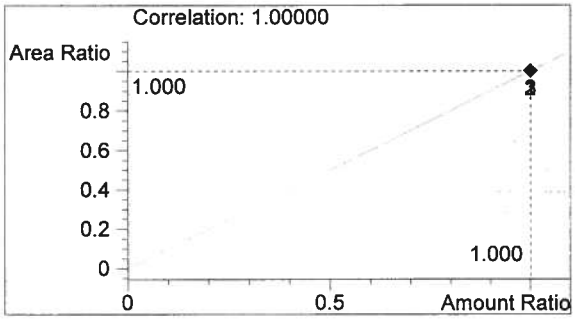


#	Compound	Area	RT
1	ETHANOL	921	1.068
2	n-PROPANOL	1769	1.828

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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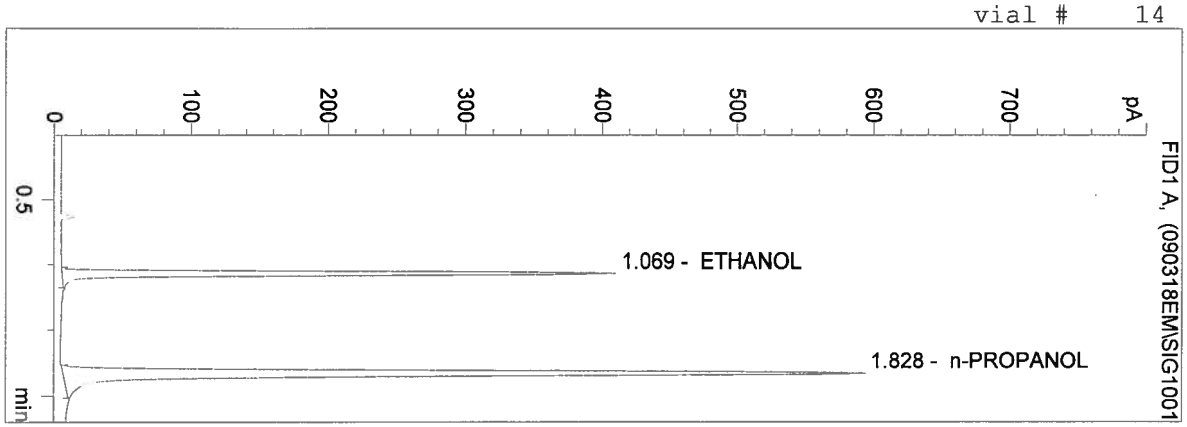
Instrument 3
db-alc2

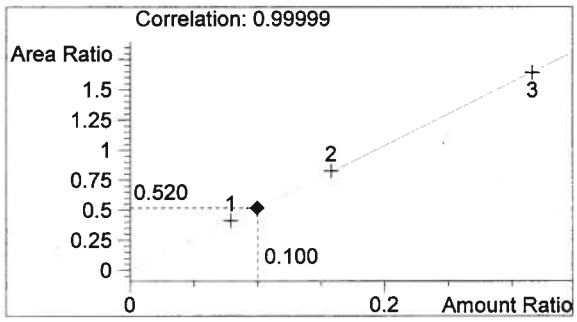
Q.A. 09014-5
Estuardo J. Miranda

vial # 14



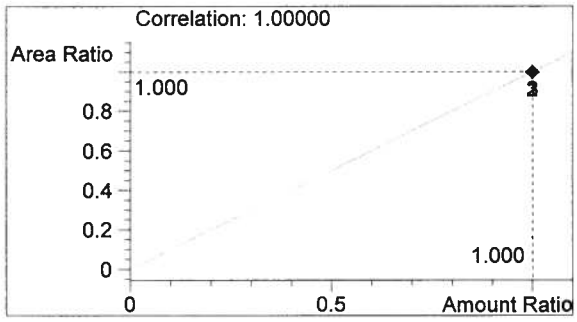
#	Compound	Area	RT
1	ETHANOL	903	1.069
2	n-PROPANOL	1736	1.828

Totals:



ETHANOL 0.100 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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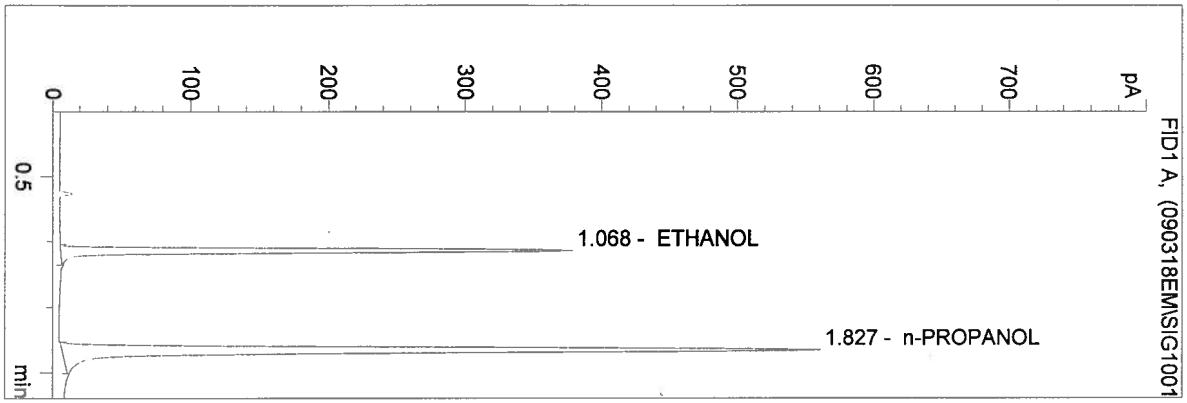
Instrument 3
db-alc2

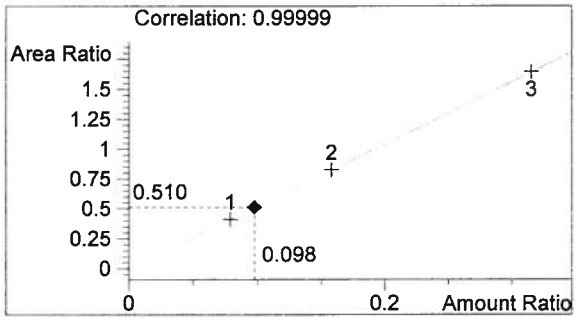
0.10 Control EM
Estuardo J. Miranda

vial # 15



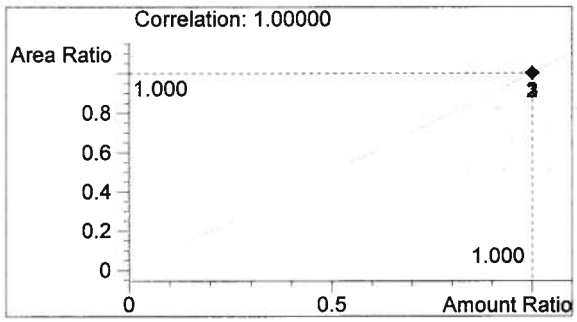
#	Compound	Area	RT
1	ETHANOL	834	1.068
2	n-PROPANOL	1635	1.827

Totals:



ETHANOL 0.098 g/100ml

EM



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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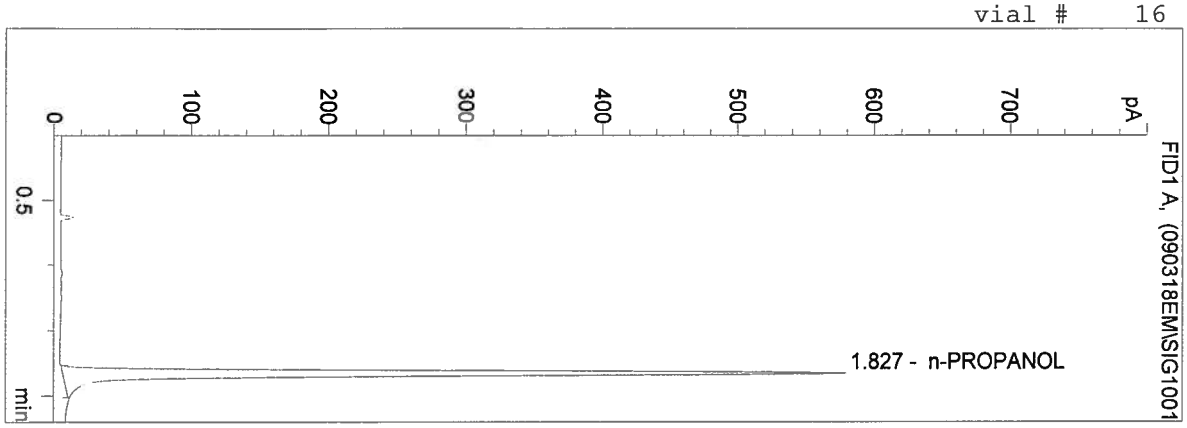
Instrument 3
db-alc2

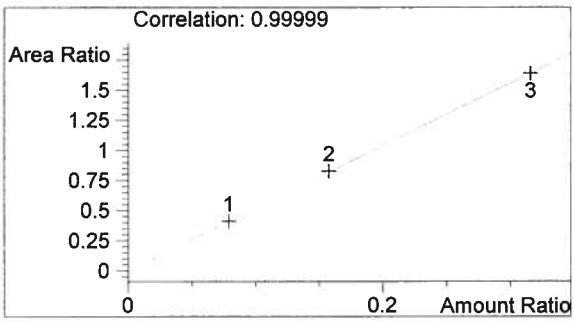
Neg Control EM
Estuardo J. Miranda

vial # 16



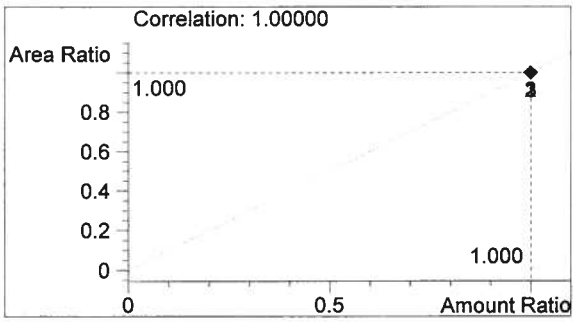
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1690	1.827

Totals:



ETHANOL 0.000 g/100ml

EM



n-PROPANOL 1.000 g/100ml

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 09014

Preparer: BP

Date Prepared: 03-17-09

Expiration Date: 03-17-10

Lot 200 Proof (100%) Ethanol Used: X03073

Date 200 Proof Ethanol Opened: 01-13-2009
(Ethanol standard is approved for use for 6 months after opening unless an extension is approved by the State Toxicologist.)

Environmental Conditions Checked ☑

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 ☑ 3/17/09
Date

Brianna Peterson
Analyst

3/17/09
Date