Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: RANDY VRANISH / ROD GULLBERG Date: 10-21-2010

Location: WSP ROANOKE OFFICE Solution Batch Number: 10042

	YES	NO	N/A
Analysis dates do not precede preparation date:	☒	☐	☐
Declarations signed and properly dated:	☒	☐	☐
Data entry corresponds to all chromatograms:	☒	☐	☐
All signatures present on Test Report:	☒	☐	☐
Average solution concentration correct:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
CV (%) correct:	☒	☐	☐
Equivalent vapor concentration correct:	☒	☐	☐
All chromatograms and sequences included in file:	☒	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐

Comments:

Reviewer Signature: R S Gullberg Date: 10-21-2010

Reviewer Signature: R P V Date: 10-21-2010

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 10042

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 10/06/2010
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Brianne O'Reilly

	BEO	CM	JLK
1	0.050	0.050	0.051
2	0.050	0.050	0.051
3	0.050	0.050	0.051
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.100	0.099	0.099

ETHANOL CONTROL INFORMATION
LOT NUMBER: A071132 EXPIRATION: 03/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0502 g/100mL
STANDARD DEVIATION: 0.00041
PRECISION CV (%): 0.82
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0408 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5 10-26-10
Melissa L. Pemberton Forensic Scientist Supervisor DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BEO	Brianne E. O'Reilly	Brianne E O'Reilly	10/06/2010
CM	Christie Mitchell	Christie Mitchell	10/08/2010
JLK	Justin L. Knoy	Justin L Knoy	10/11/2010

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 #: 10042 **Date Prepared:** 10/6/2010

Analyst:	BEO	CM	JLK
Date Tested:	10/6/2010	10/8/2010	10/11/2010
Instrument:	#1	#1	#1
1	0.050	0.050	0.051
2	0.050	0.050	0.051
3	0.050	0.050	0.051
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.100	0.099	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000084100	0.0000045351	0.0000112608	0.0000333333	0.0001016326

Average Solution Concentration: 0.0502 g/100mL
Standard Deviation: 0.00041 g/100mL
Precision CV (%): 0.82
Equivalent Vapor Concentration: 0.0408 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29
Maximum (-) Control Bias: 0.001
Maximum (+) Control Bias: 0.000

Calculations performed by: Melissa L. Pemberton [signature] 10-15-10
Name Signature Date

Calculations verified by: ROA GGUUBBS [signature] 10-21-2010
Name Signature Date

Method: BAGER

Tech. review performed by: Melissa L. Pemberton [signature] 10-26-10
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BLO	10·18·10
Brittany Ball		
Christie Mitchell	CM	10/18/10
Christopher Johnston		
Dawn Cox		
Justin Knoy	JK	10-20-10
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 10042

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10042

I, Brianne E. O'Reilly, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology and MS degree in Veterinary Medical Sciences.

The qap solution, Lot Number 10042, was prepared in the Washington State Toxicology Laboratory on 10/6/2010. 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 10/6/2011.

Seattle, WA

Brianne E O'Reilly 10·18·10

Brianne E. O'Reilly Date

Forensic Toxicologist

BEO/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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10042

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

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

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

The qap solution, Lot Number 10042, was prepared in the Washington State Toxicology Laboratory on 10/6/2010. 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 10/6/2011.

Seattle, WA

Christie Mitchell 10/18/10

Christie Mitchell Date

Forensic Toxicologist

CM/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10042

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 10042, was prepared in the Washington State Toxicology Laboratory on 10/6/2010. 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 10/6/2011.

Seattle, WA

10-20-10

Justin L. Knoy Date
Forensic Toxicologist

JLK/ik

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	101006BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A068379 - exp 10/2013
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Calibration in Batch file for 10042 QAP Solution.
BEO 10/7/10

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-BO	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP0.04 10042 #1	SIMALC	1	Sample		
11	Vial 11	QAP0.04 10042 #2	SIMALC	1	Sample		
12	Vial 12	QAP0.04 10042 #3	SIMALC	1	Sample		
13	Vial 13	QAP0.04 10042 #4	SIMALC	1	Sample		
14	Vial 14	QAP0.04 10042 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP0.08 10043 #1	SIMALC	1	Sample		
18	Vial 18	QAP0.08 10043 #2	SIMALC	1	Sample		
19	Vial 19	QAP0.08 10043 #3	SIMALC	1	Sample		
20	Vial 20	QAP0.08 10043 #4	SIMALC	1	Sample		
21	Vial 21	QAP0.08 10043 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CONTROL-BO	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-BO	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP0.10 10044 #1	SIMALC	1	Sample		
25	Vial 25	QAP0.10 10044 #2	SIMALC	1	Sample		
26	Vial 26	QAP0.10 10044 #3	SIMALC	1	Sample		
27	Vial 27	QAP0.10 10044 #4	SIMALC	1	Sample		
28	Vial 28	QAP0.10 10044 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CONTROL-BO	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-BO	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP0.15 10045 #1	SIMALC	1	Sample		
32	Vial 32	QAP0.15 10045 #2	SIMALC	1	Sample		

10042
10043
~~10044~~ NO
10045

BEO

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.15 10045 #3	SIMALC	1	Sample		
34	Vial 34	QAP0.15 10045 #4	SIMALC	1	Sample		
35	Vial 35	QAP0.15 10045 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CONTROL-BO	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CONTROL-BO	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!

10042

10043

10045

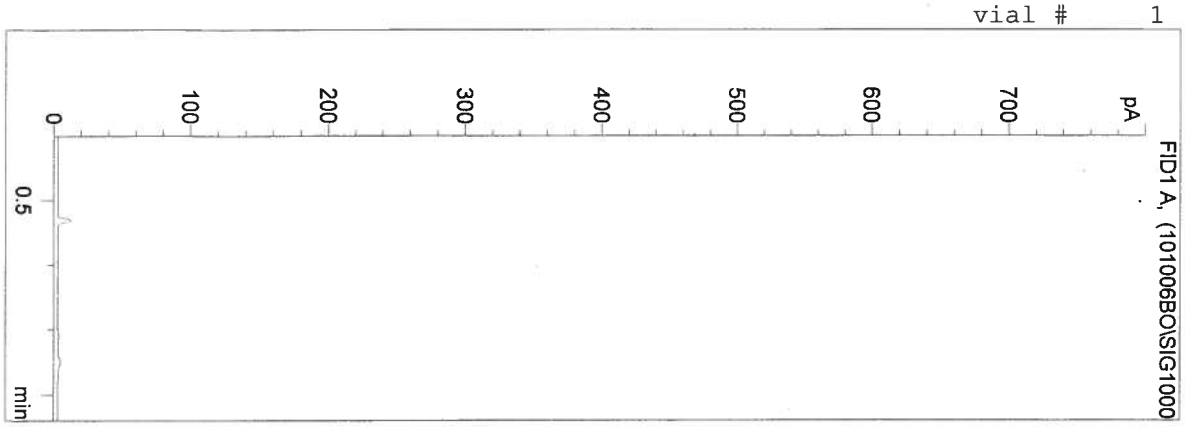
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

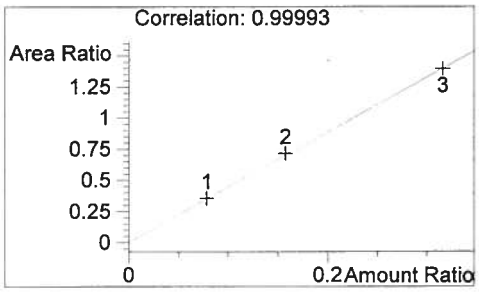
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:03:04 PM
Instrument 1
DB ALC 1

BLANK
Brianne E. O'Reilly

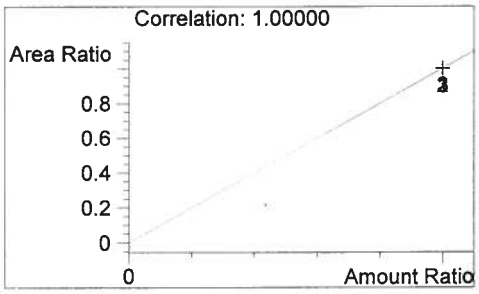
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

10042
10043
10045

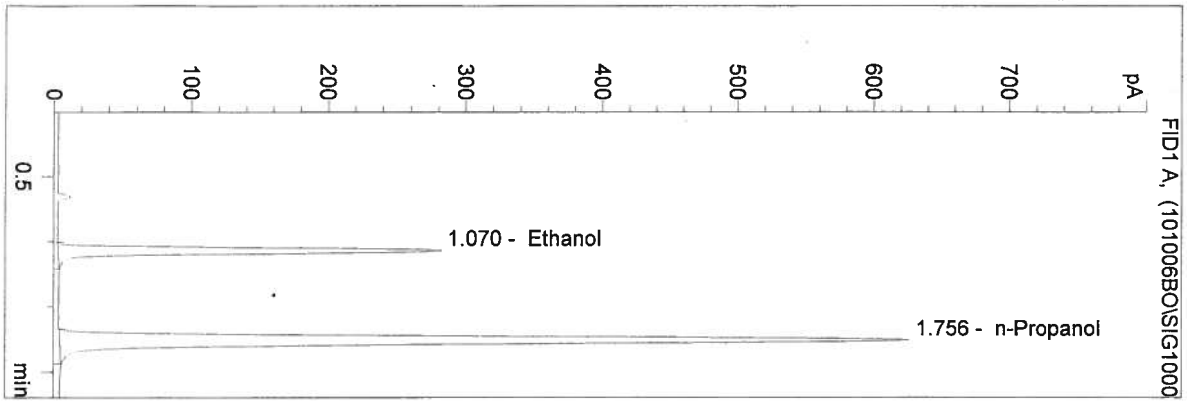
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

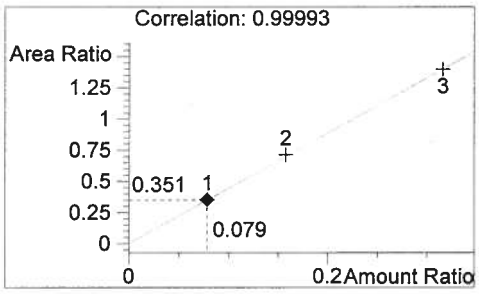
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:06:09 PM
Instrument 1
DB ALC 1

0.079 CAL 1
Brianne E. O'Reilly

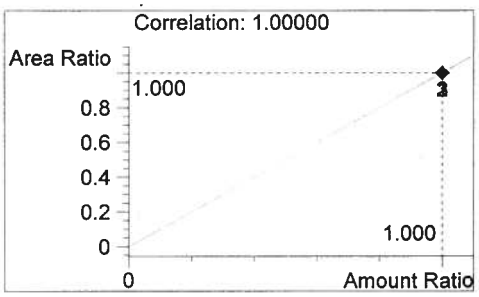
vial # 2



#	Compound	Area	RT
1	Ethanol	863	1.070
2	n-Propanol	2457	1.756
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

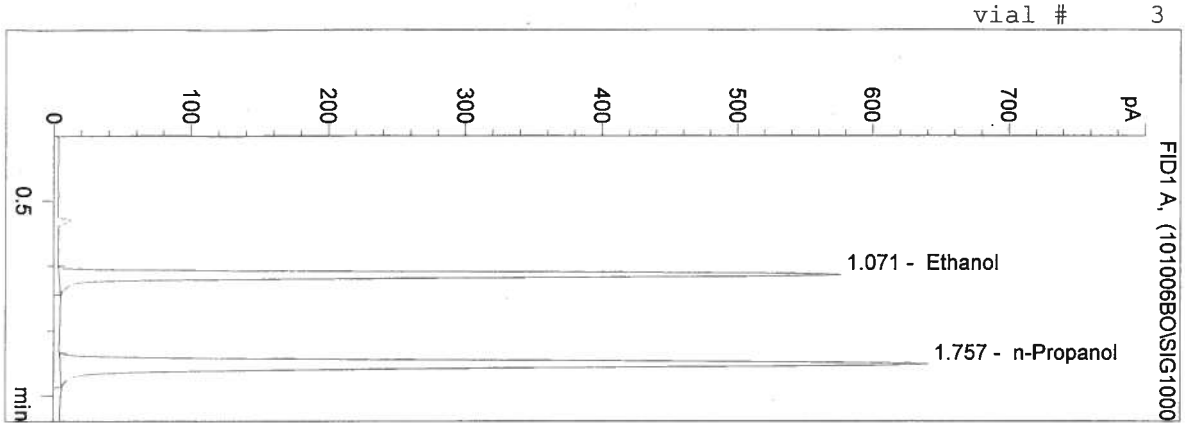
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

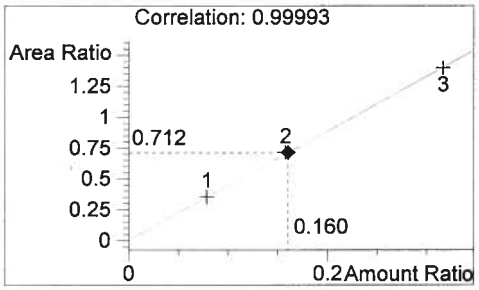
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:09:13 PM
Instrument 1
DB ALC 1

0.158 CAL 2
Brianne E. O'Reilly

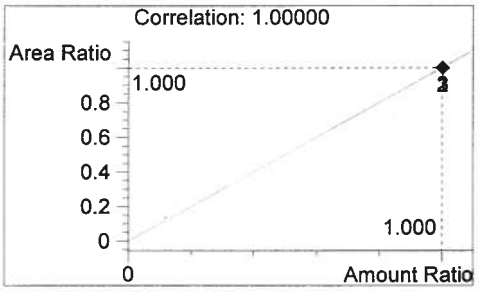
vial # 3



#	Compound	Area	RT
1	Ethanol	1793	1.071
2	n-Propanol	2519	1.757
Tot			



Ethanol 0.160 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

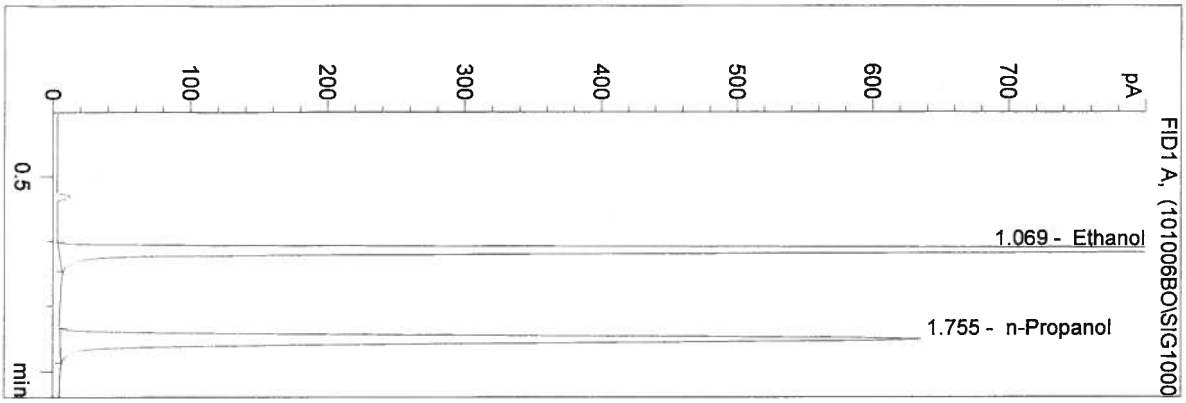
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

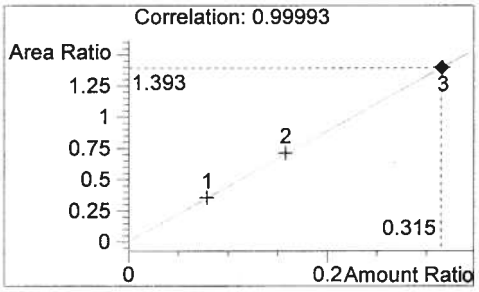
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:12:18 PM
Instrument 1
DB ALC 1

0.316 CAL 3
Brianne E. O'Reilly

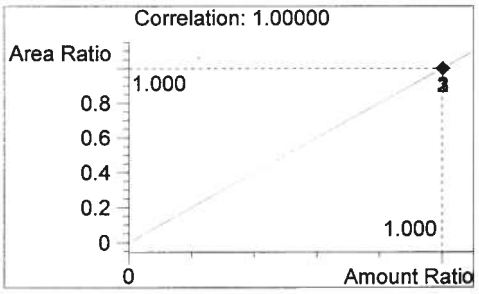
vial # 4



#	Compound	Area	RT
1	Ethanol	3474	1.069
2	n-Propanol	2493	1.755
Tot			



Ethanol 0.315 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

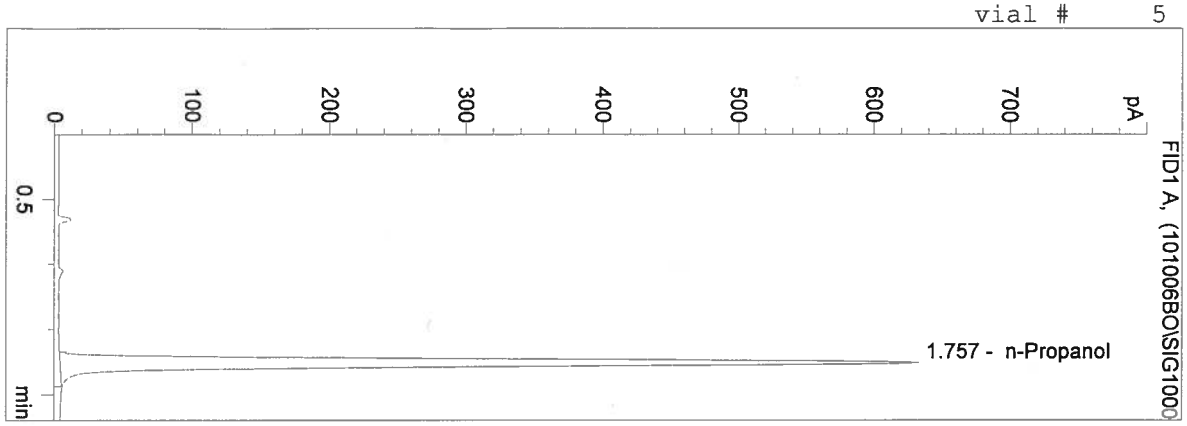
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

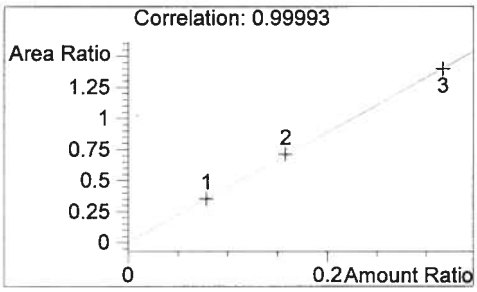
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:15:23 PM
Instrument 1
DB ALC 1

NEG CONTROL-BO
Brianne E. O'Reilly

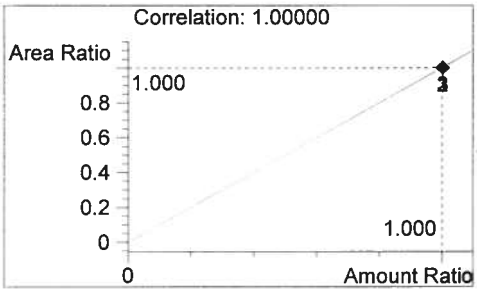
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2494	1.757
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

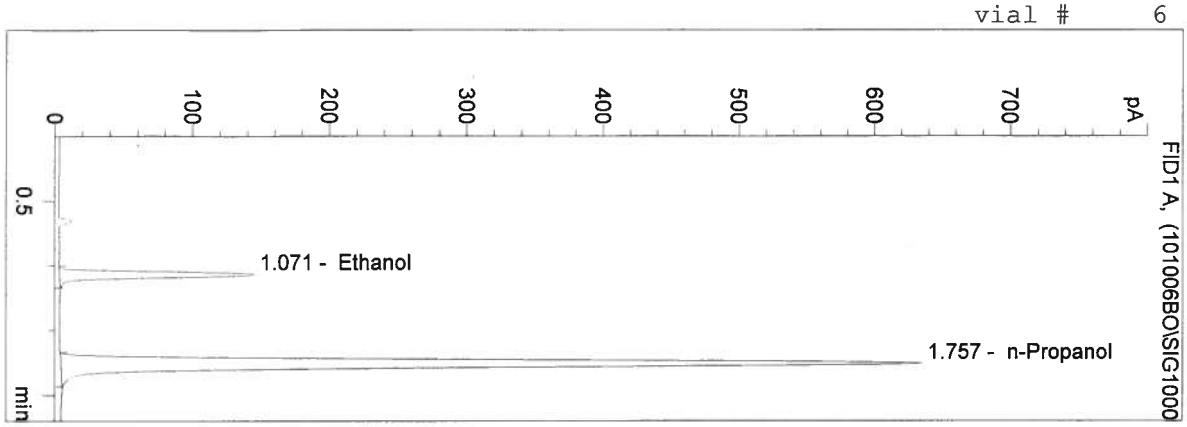
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

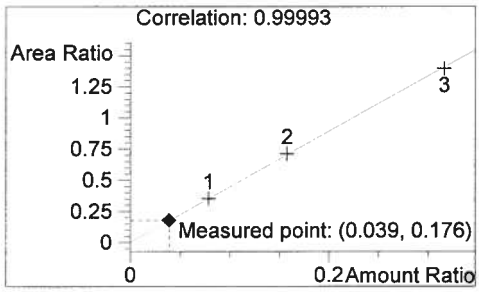
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:18:27 PM
Instrument 1
DB ALC 1

0.04 CONTROL-BO
Brianne E. O'Reilly

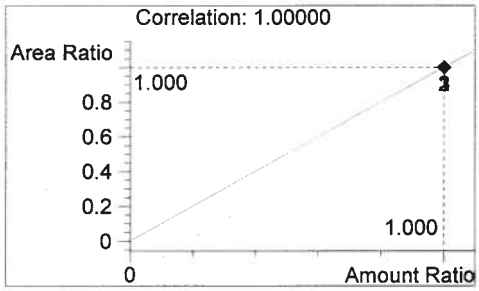
vial # 6



#	Compound	Area	RT
1	Ethanol	440	1.071
2	n-Propanol	2494	1.757
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

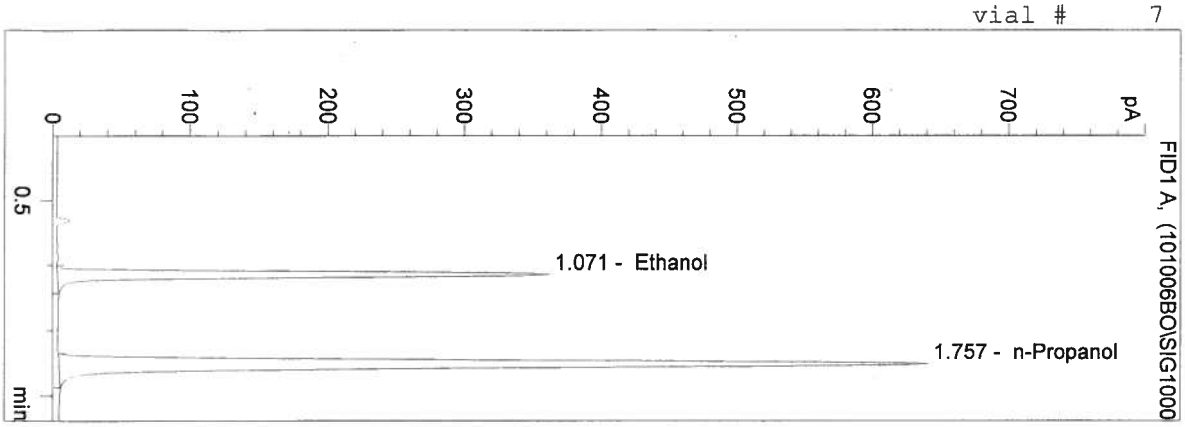
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

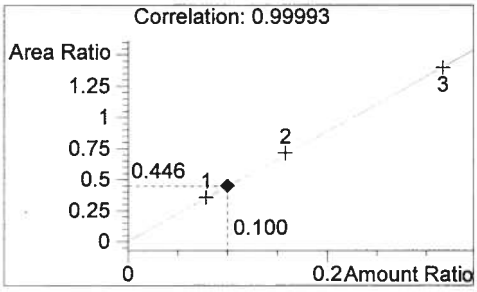
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:21:32 PM
Instrument 1
DB ALC 1

0.10 CONTROL-BO
Brianne E. O'Reilly

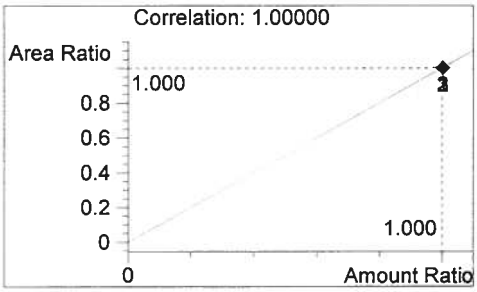
vial # 7



#	Compound	Area	RT
1	Ethanol	1123	1.071
2	n-Propanol	2521	1.757
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

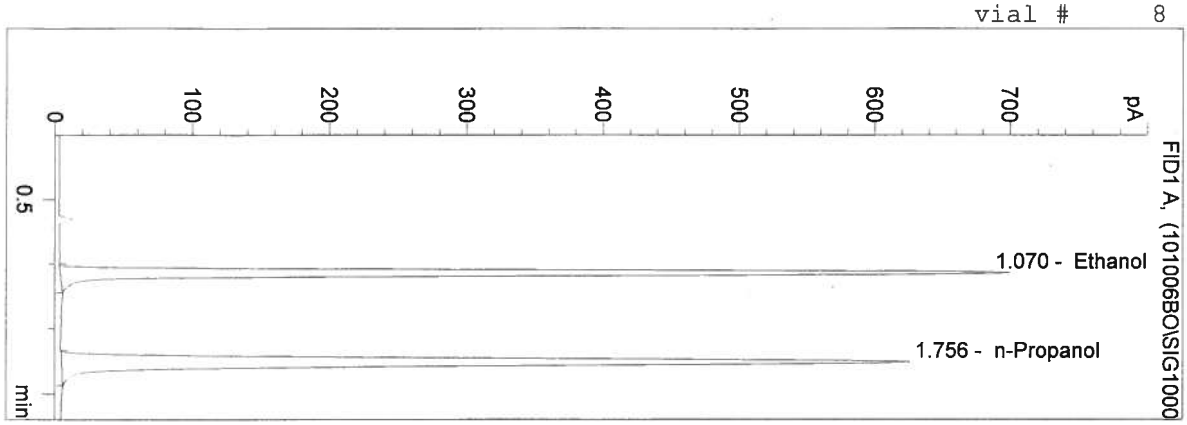
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

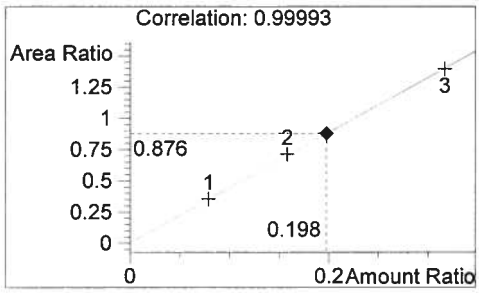
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:24:37 PM
Instrument 1
DB ALC 1

0.20 CONTROL-BO
Brianne E. O'Reilly

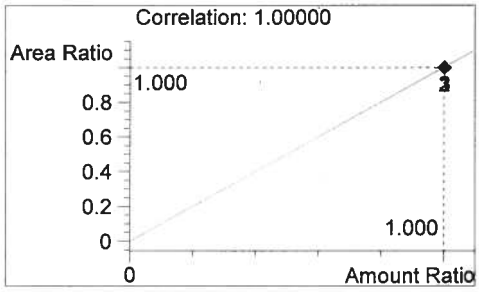
vial # 8



#	Compound	Area	RT
1	Ethanol	2147	1.070
2	n-Propanol	2451	1.756
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

10042
= 10043
= 10045

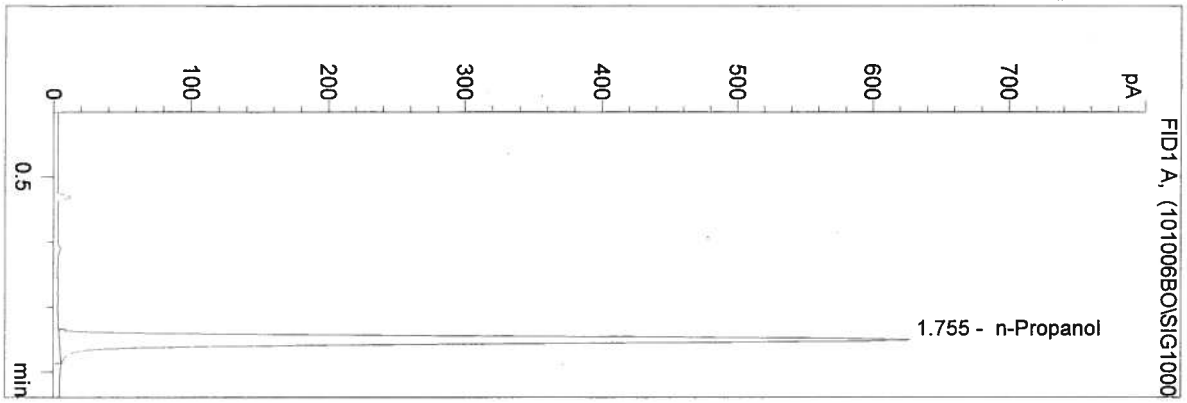
BLO

WASHINGTON STATE TOXICOLOGY LABORATORY

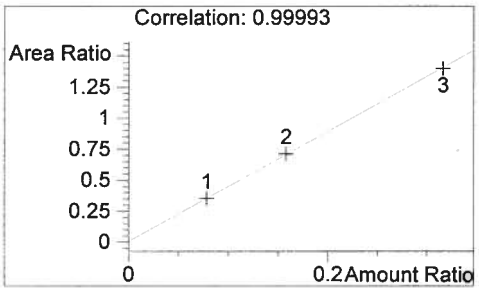
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:27:42 PM
Instrument 1
DB ALC 1

NEG CONTROL-BO
Brianne E. O'Reilly

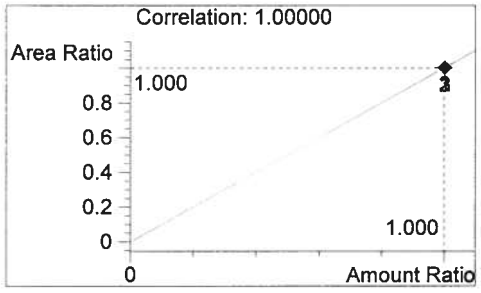
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2463	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042

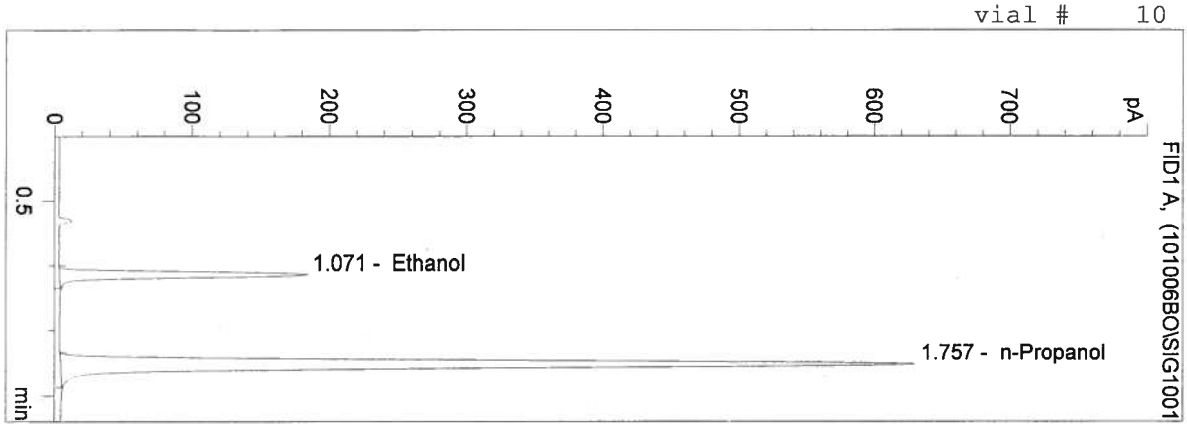
1100435

WASHINGTON STATE TOXICOLOGY LABORATORY

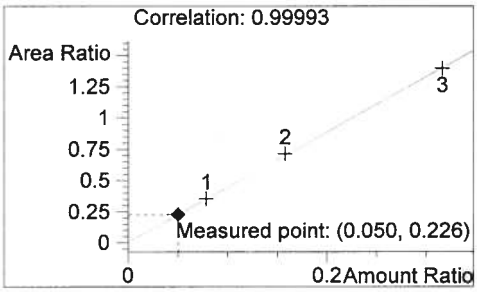
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:30:47 PM
Instrument 1
DB ALC 1

QAP0.04 10042 #1
Brianne E. O'Reilly

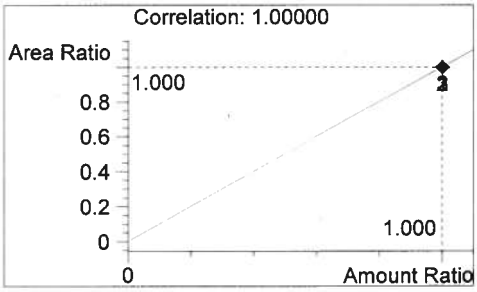
vial # 10



#	Compound	Area	RT
1	Ethanol	561	1.071
2	n-Propanol	2479	1.757
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

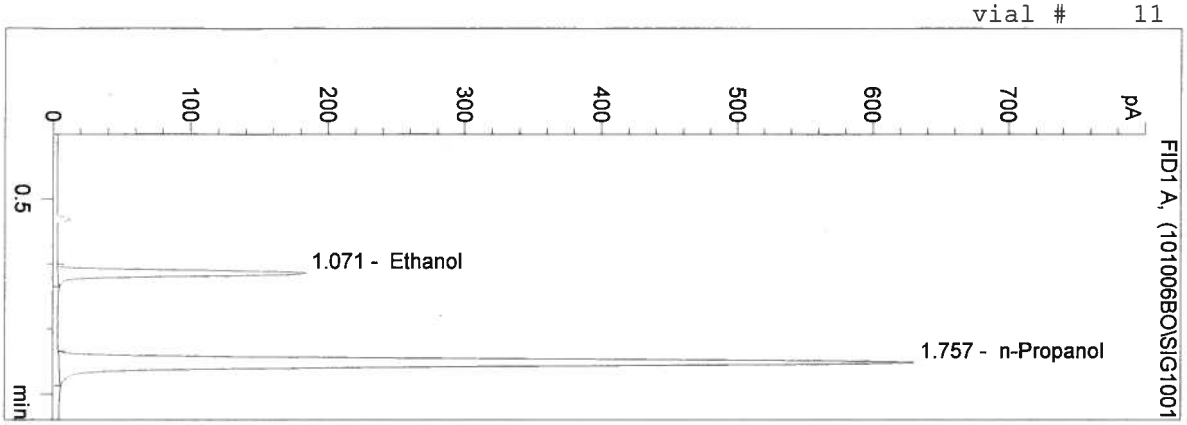
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

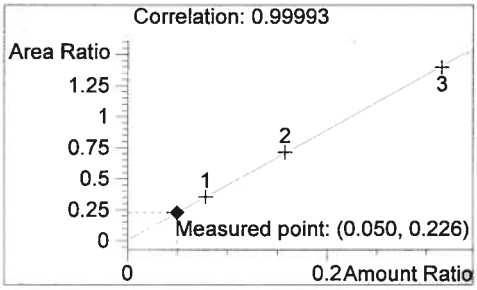
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:33:51 PM
Instrument 1
DB ALC 1

QAP0.04 10042 #2
Brianne E. O'Reilly

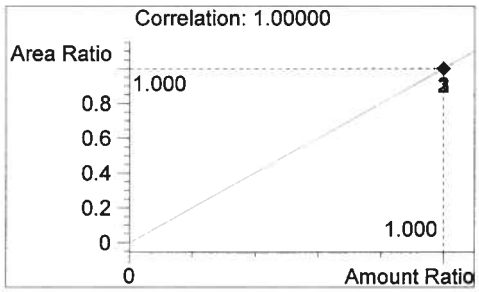
vial # 11



#	Compound	Area	RT
1	Ethanol	559	1.071
2	n-Propanol	2476	1.757
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

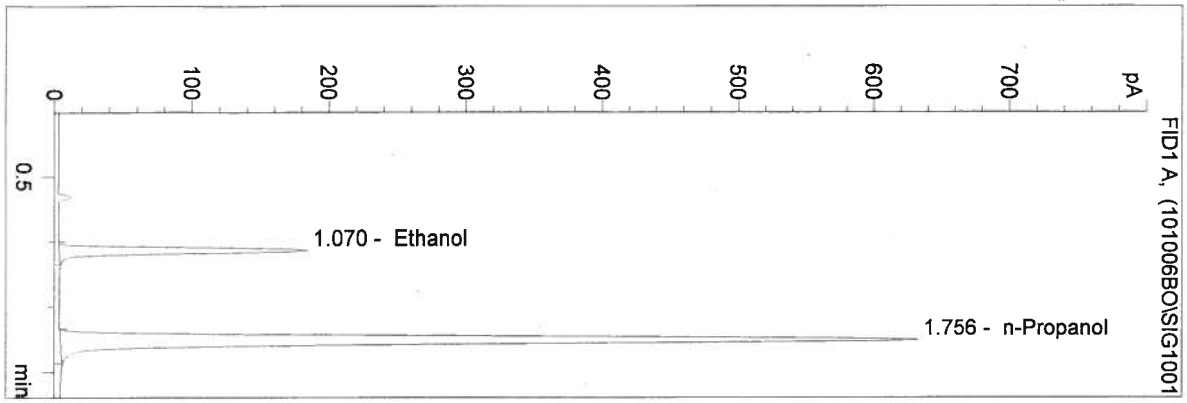
BWD

WASHINGTON STATE TOXICOLOGY LABORATORY

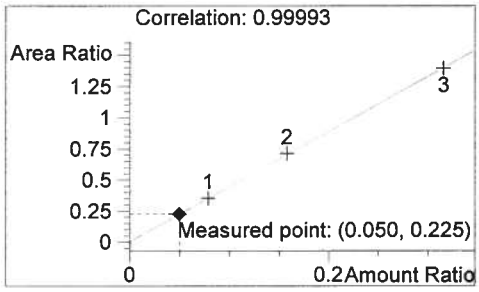
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:36:56 PM
Instrument 1
DB ALC 1

QAP0.04 10042 #3
Brianne E. O'Reilly

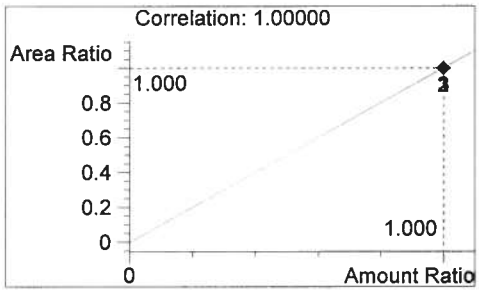
vial # 12



#	Compound	Area	RT
1	Ethanol	558	1.070
2	n-Propanol	2479	1.756
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

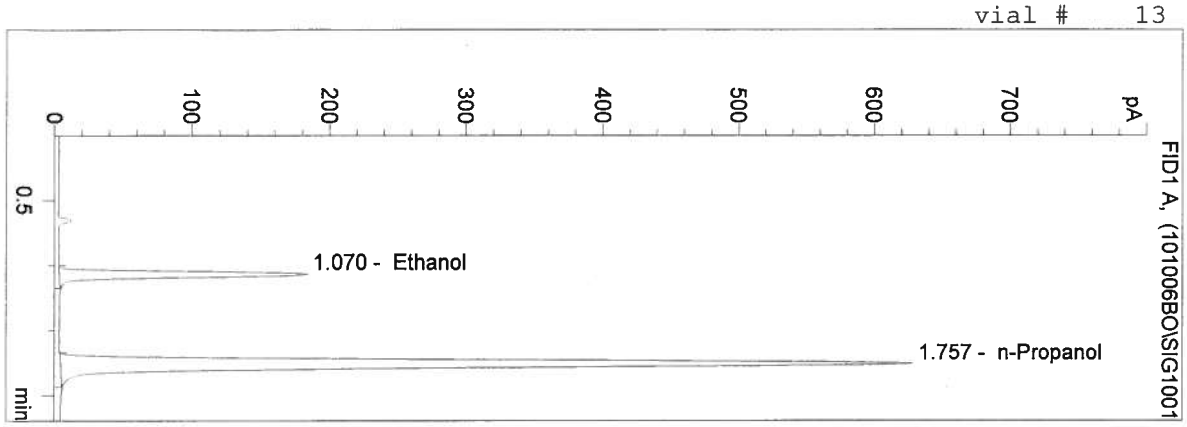
BED

WASHINGTON STATE TOXICOLOGY LABORATORY

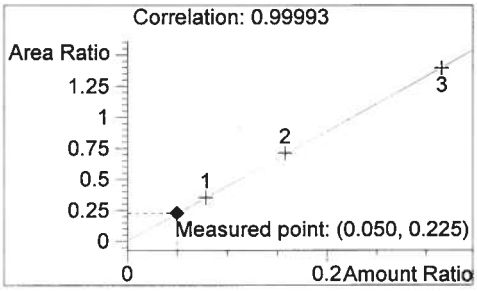
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:40:01 PM
Instrument 1
DB ALC 1

QAP0.04 10042 #4
Brianne E. O'Reilly

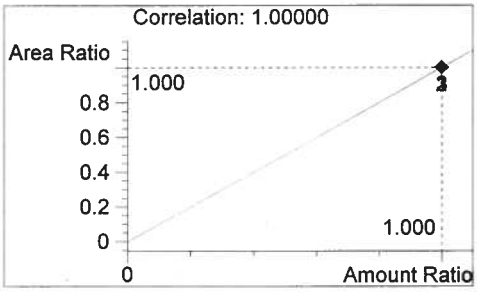
vial # 13



#	Compound	Area	RT
1	Ethanol	556	1.070
2	n-Propanol	2468	1.757
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

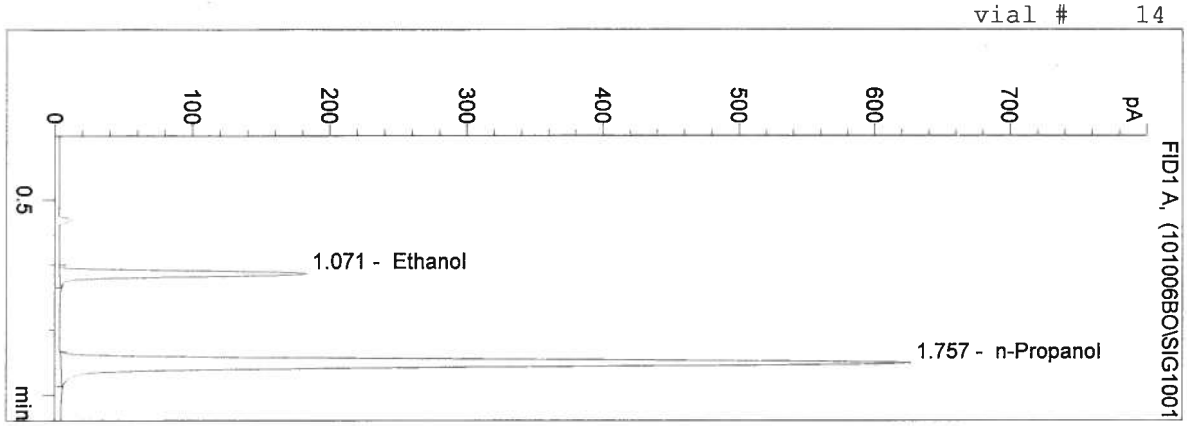
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

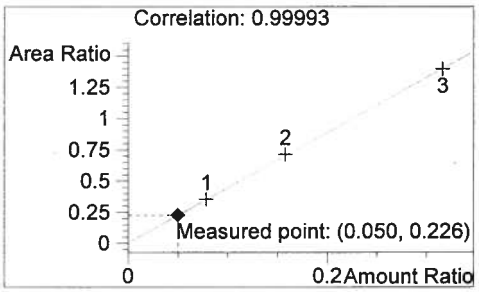
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:43:06 PM
Instrument 1
DB ALC 1

QAP0.04 10042 #5
Brianne E. O'Reilly

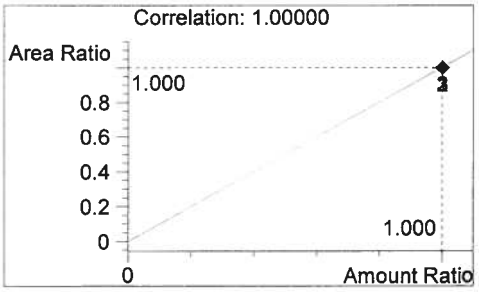
vial # 14



#	Compound	Area	RT
1	Ethanol	554	1.071
2	n-Propanol	2458	1.757
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

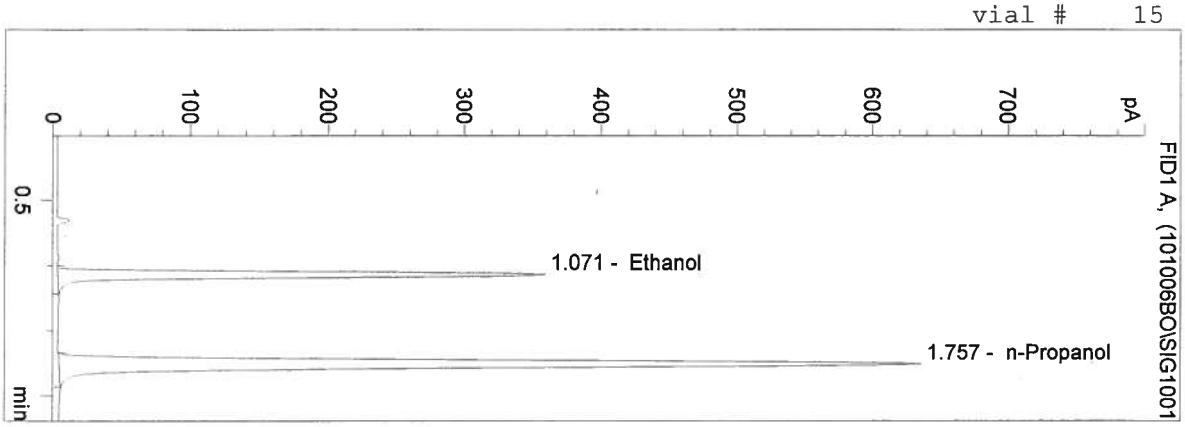
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

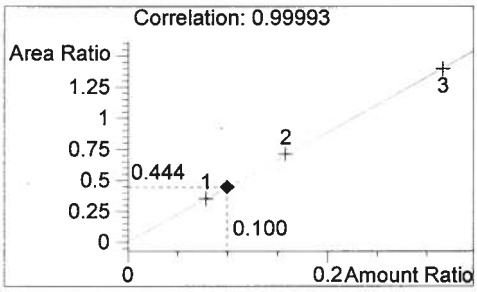
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:46:11 PM
Instrument 1
DB ALC 1

0.10 CONTROL-BO
Brianne E. O'Reilly

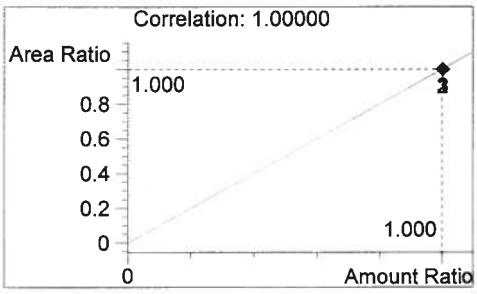
vial # 15



#	Compound	Area	RT
1	Ethanol	1110	1.071
2	n-Propanol	2499	1.757
Tot			



Ethanol 0.100 g/100 mL



n-Propanol 1.000 g/100 mL

10043

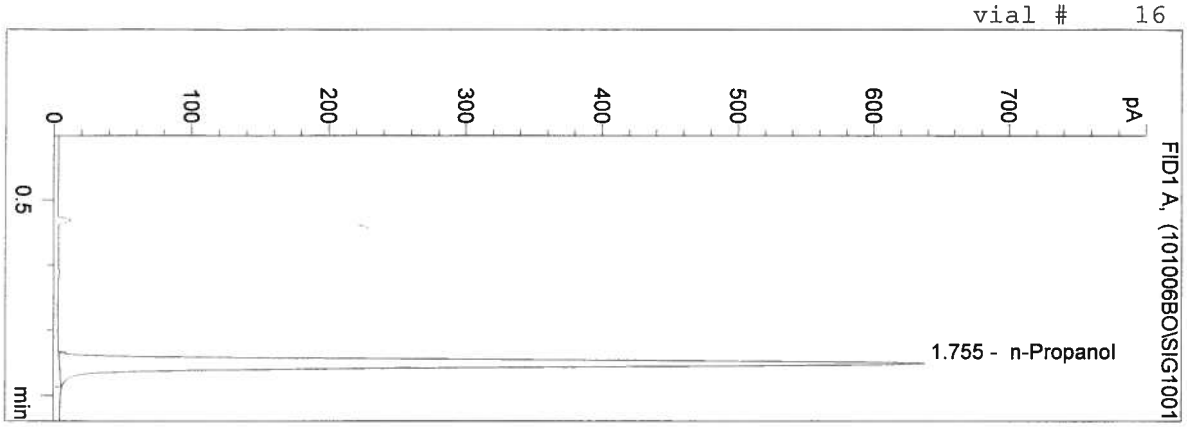
BW

WASHINGTON STATE TOXICOLOGY LABORATORY

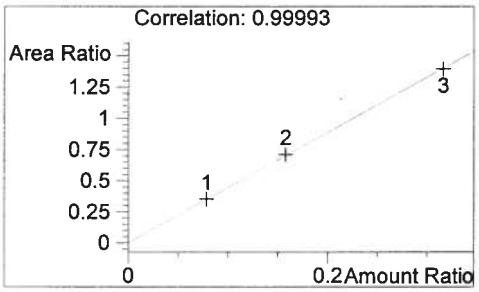
C:\HPCHEM\1\METHODS\SIMALC.M
10/6/2010 1:49:16 PM
Instrument 1
DB ALC 1

NEG CONTROL-BO
Brianne E. O'Reilly

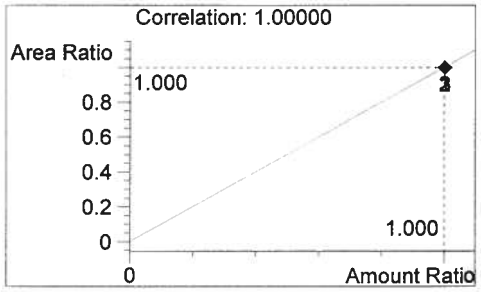
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2508	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042

BLD

Sequence Parameters:

Operator:	Christie Mitchell
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	101008CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A075264 - exp 10/2014
0.10 Control - Lot # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -CM	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
10	Vial 10	10042 #1	SIMALC	1	Sample		
11	Vial 11	10042 #2	SIMALC	1	Sample		
12	Vial 12	10042 #3	SIMALC	1	Sample		
13	Vial 13	10042 #4	SIMALC	1	Sample		
14	Vial 14	10042 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
17	Vial 17	10043 #1	SIMALC	1	Sample		
18	Vial 18	10043 #2	SIMALC	1	Sample		
19	Vial 19	10043 #3	SIMALC	1	Sample		
20	Vial 20	10043 #4	SIMALC	1	Sample		
21	Vial 21	10043 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
24	Vial 24	10045 #1	SIMALC	1	Sample		
25	Vial 25	10045 #2	SIMALC	1	Sample		
26	Vial 26	10045 #3	SIMALC	1	Sample		
27	Vial 27	10045 #4	SIMALC	1	Sample		
28	Vial 28	10045 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC	1	Ctrl Samp		
31	Vial 31	10046 #1	SIMALC	1	Sample		
32	Vial 32	10046 #2	SIMALC	1	Sample		

Calibration in batch file for 10042 QAP solution.
CM 10/8/10

10042
10043
10045

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10046 #3	SIMALC	1	Sample		
34	Vial 34	10046 #4	SIMALC	1	Sample		
35	Vial 35	10046 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL - CM	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!

CM

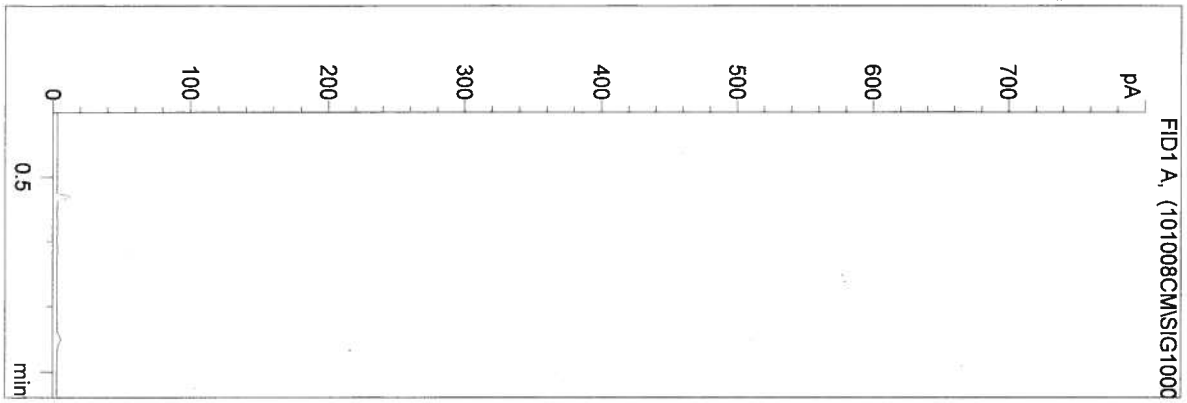
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

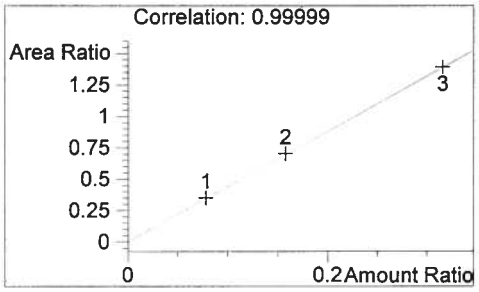
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 9:59:18 AM
Instrument 1
DB ALC 1

BLANK
Christie Mitchell

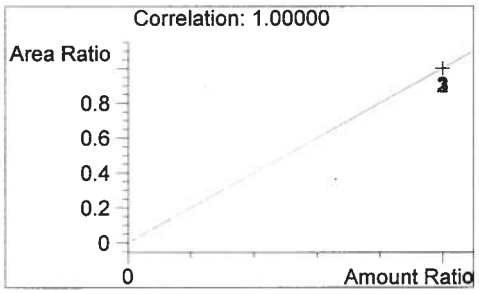
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

CM

10042

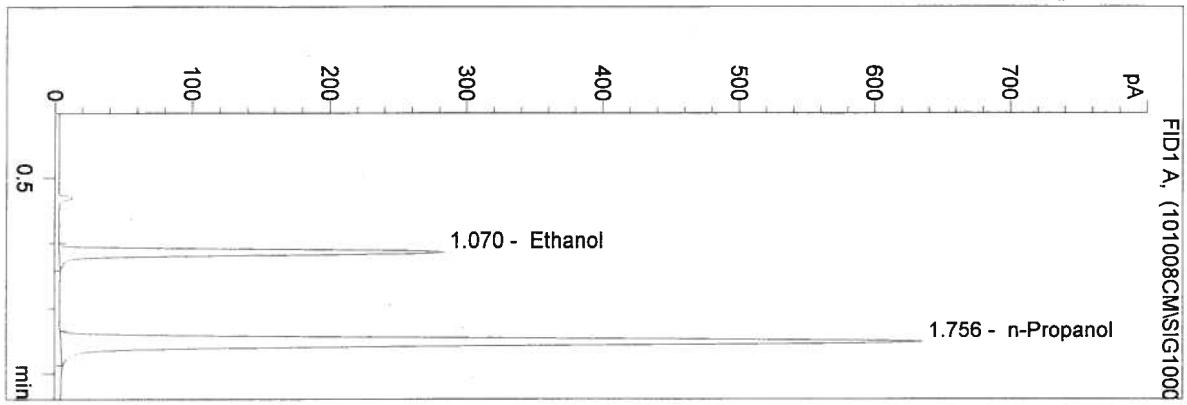
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

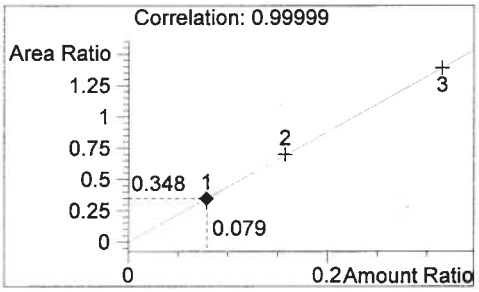
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:02:23 AM
Instrument 1
DB ALC 1

0.079 CAL 1
Christie Mitchell

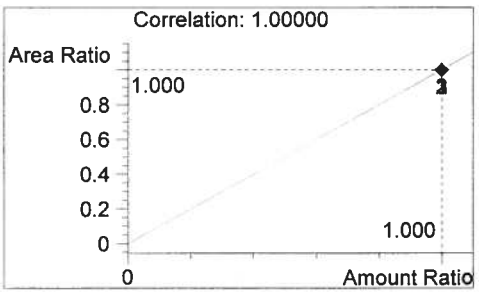
vial # 2



#	Compound	Area	RT
1	Ethanol	870	1.070
2	n-Propanol	2499	1.756
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

CM

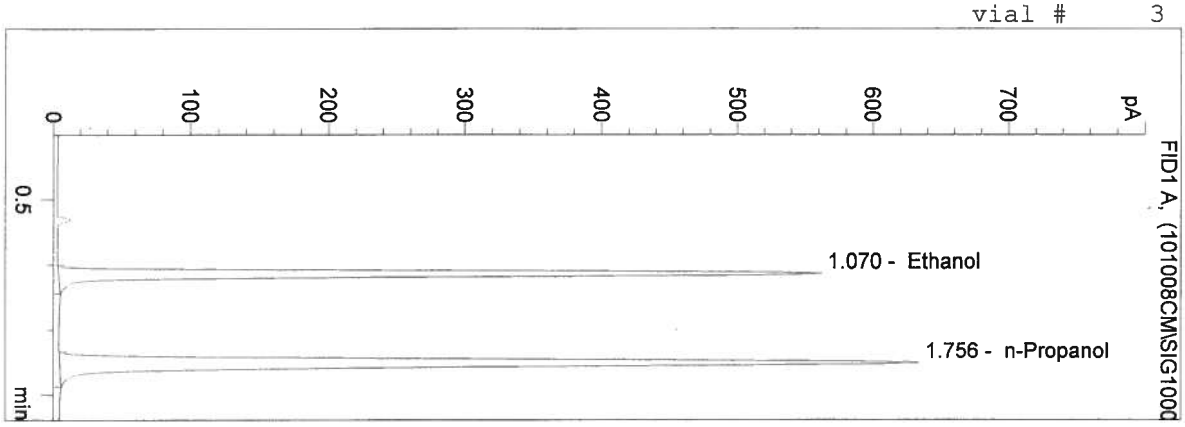
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

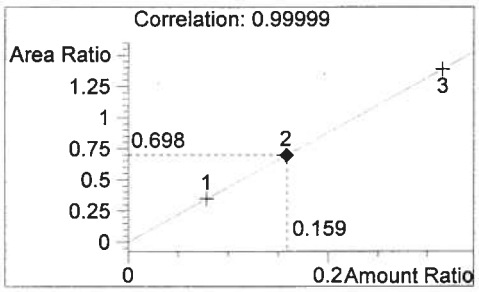
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:05:27 AM
Instrument 1
DB ALC 1

0.158 CAL 2
Christie Mitchell

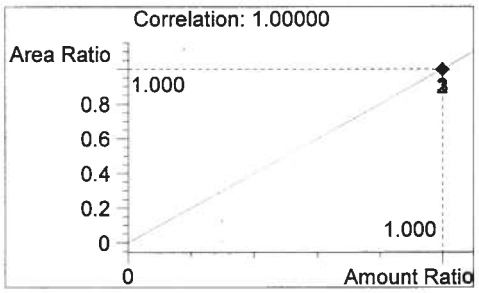
vial # 3



#	Compound	Area	RT
1	Ethanol	1742	1.070
2	n-Propanol	2494	1.756
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

CM

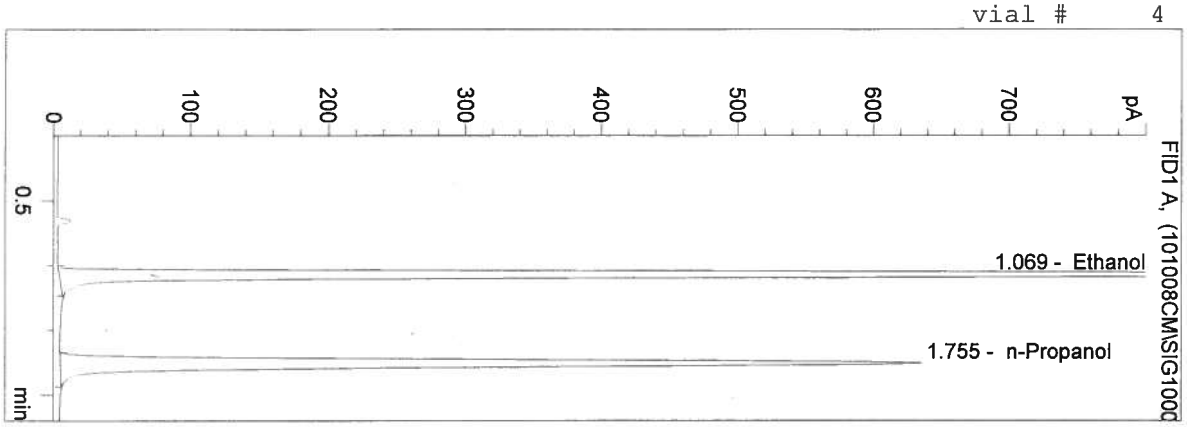
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

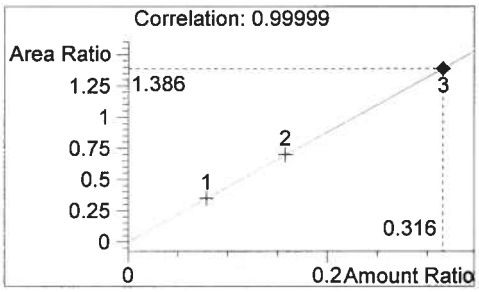
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:08:32 AM
Instrument 1
DB ALC 1

0.316 CAL 3
Christie Mitchell

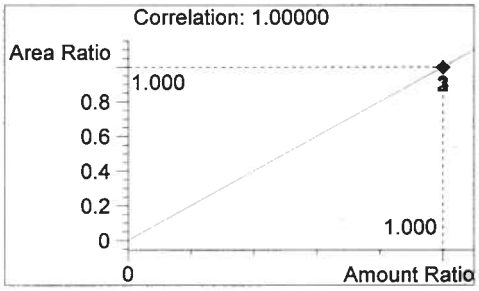
vial # 4



#	Compound	Area	RT
1	Ethanol	3455	1.069
2	n-Propanol	2493	1.755
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

CM

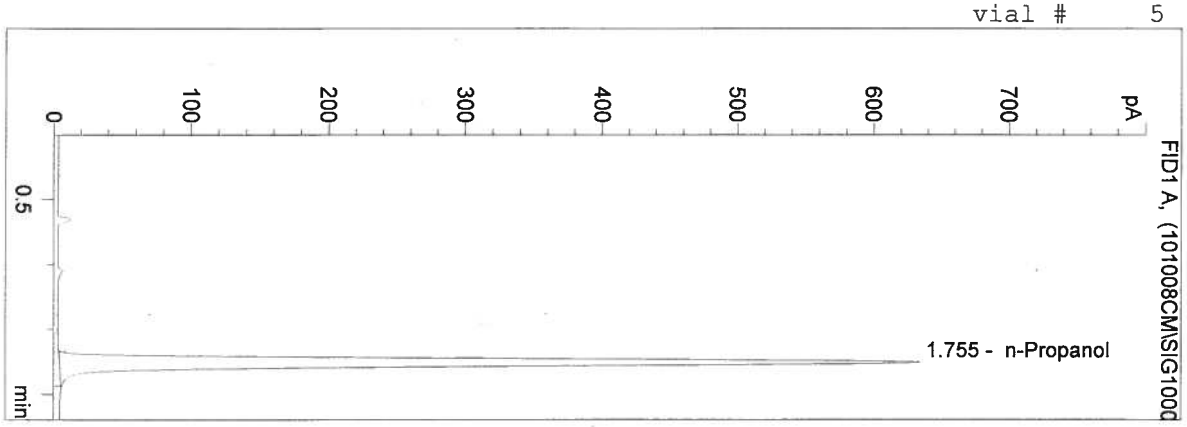
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

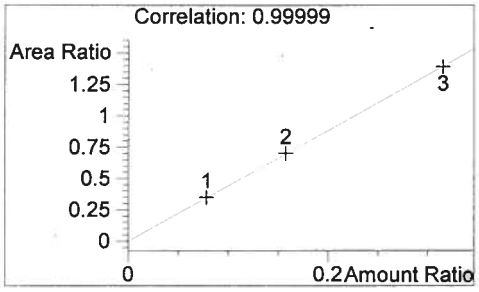
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:11:37 AM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

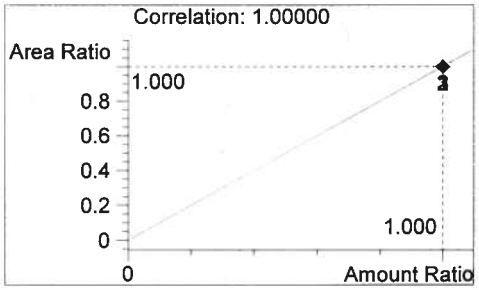
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2500	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

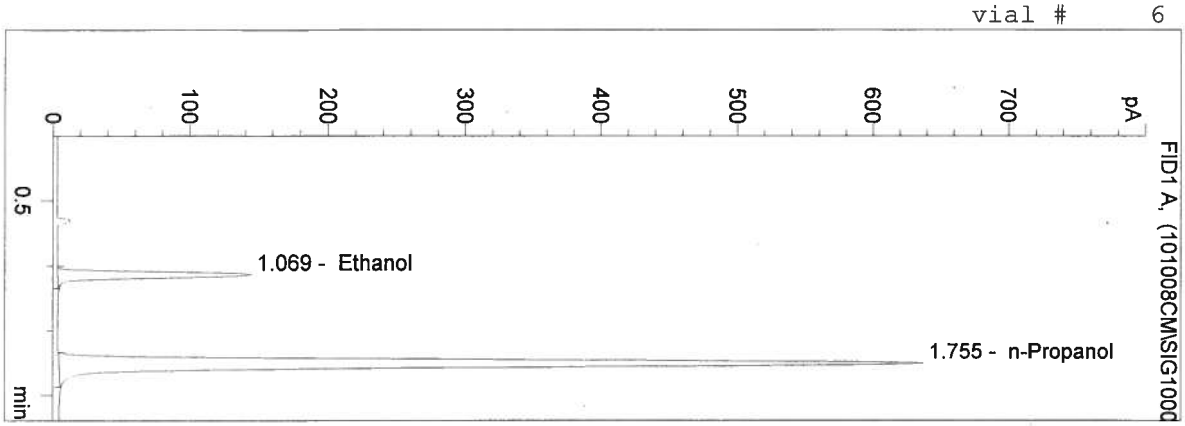
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

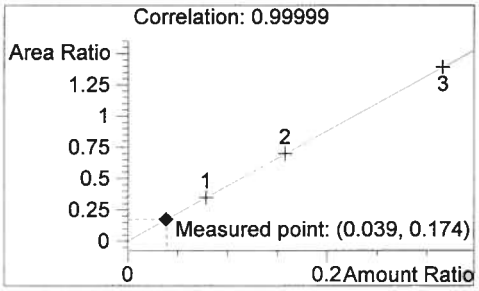
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:14:41 AM
Instrument 1
DB ALC 1

0.04 CTRL - CM
Christie Mitchell

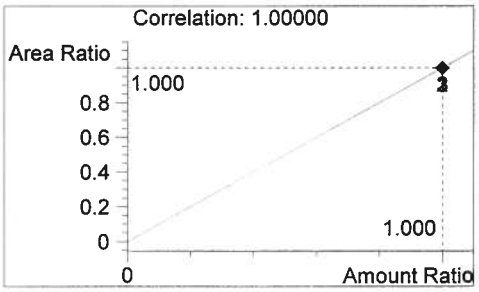
vial # 6



#	Compound	Area	RT
1	Ethanol	435	1.069
2	n-Propanol	2508	1.755
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

CM

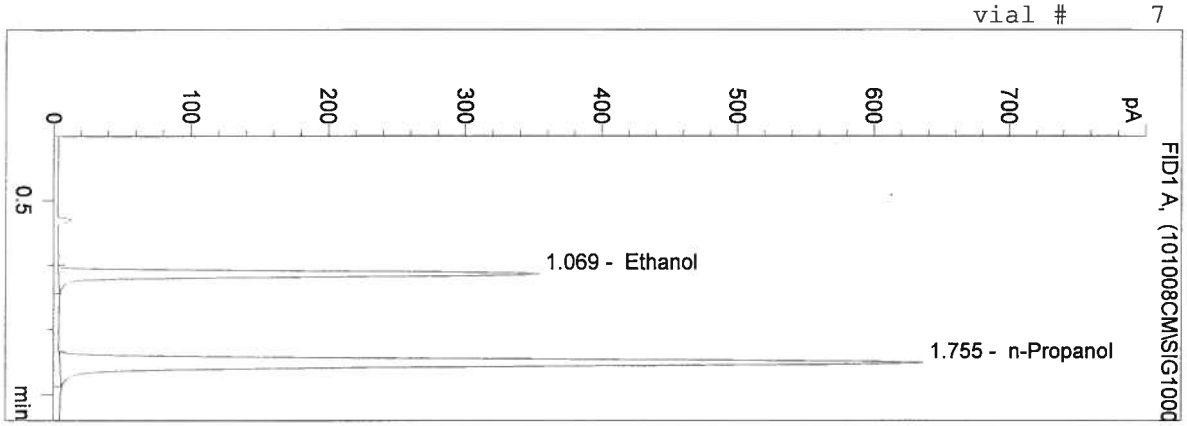
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

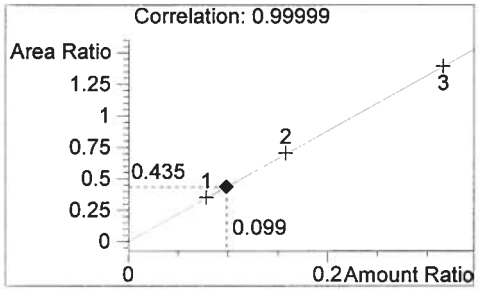
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:17:46 AM
Instrument 1
DB ALC 1

0.10 CTRL - CM
Christie Mitchell

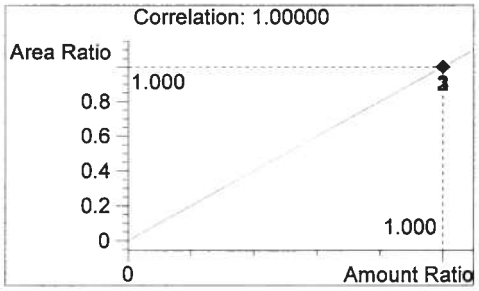
vial # 7



#	Compound	Area	RT
1	Ethanol	1090	1.069
2	n-Propanol	2505	1.755
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

CM

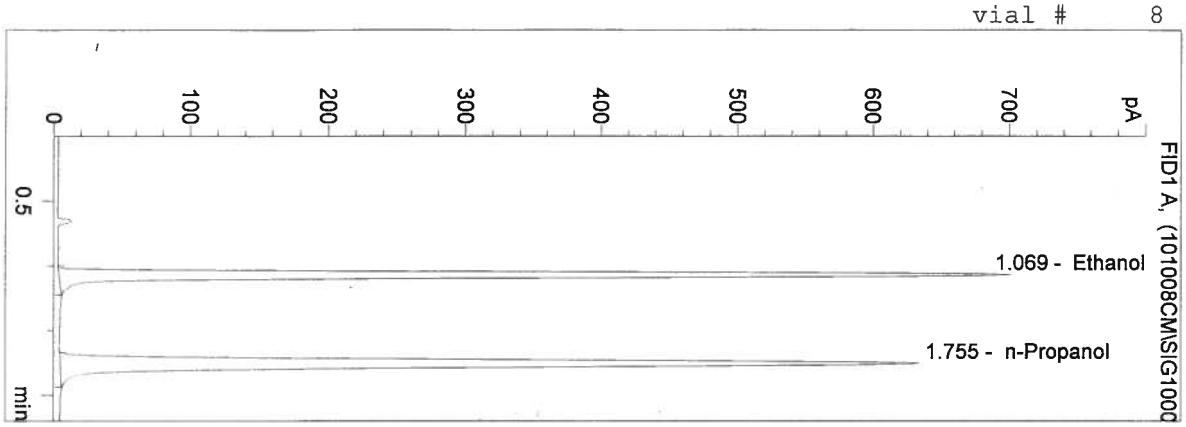
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

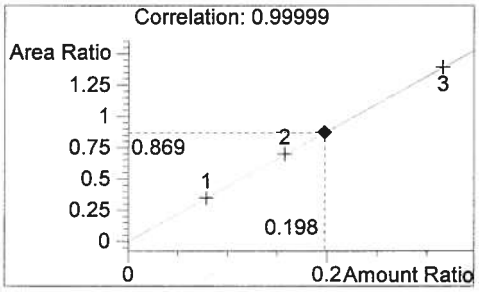
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:20:51 AM
Instrument 1
DB ALC 1

0.20 CTRL -CM
Christie Mitchell

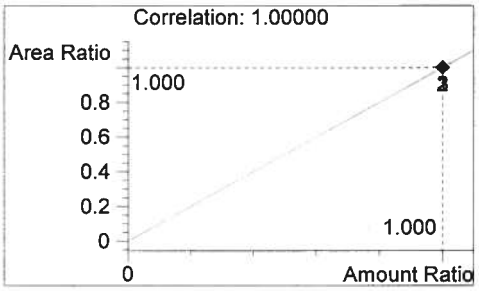
vial # 8



#	Compound	Area	RT
1	Ethanol	2167	1.069
2	n-Propanol	2495	1.755
Tot			



Ethanol 0.198 g/100 mL



n-Propanol 1.000 g/100 mL

CM

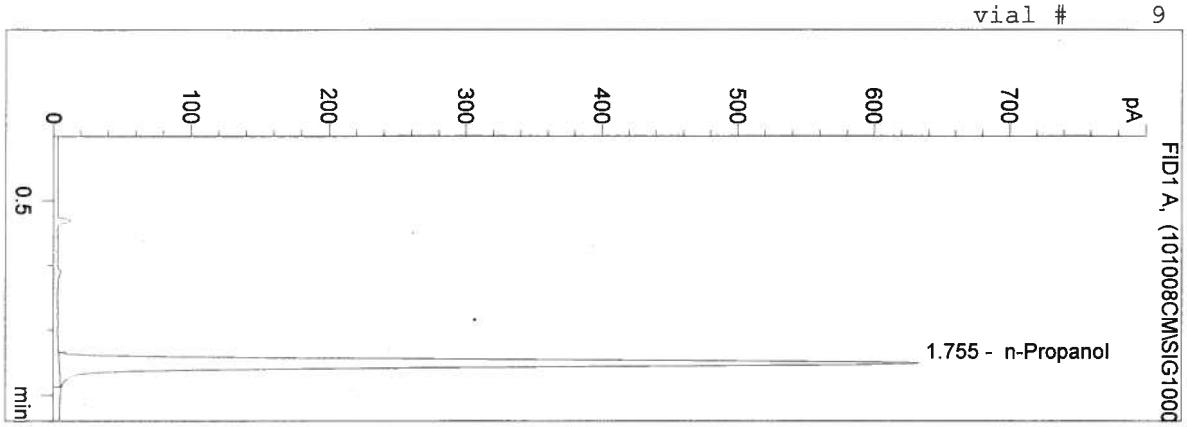
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

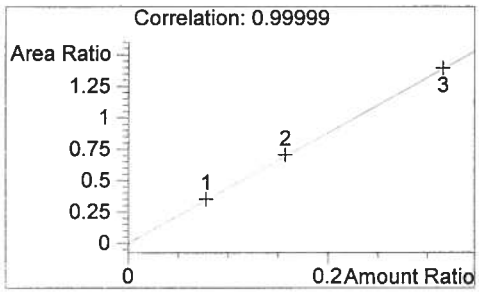
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:23:56 AM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

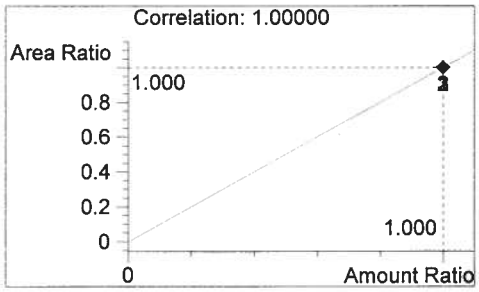
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2493	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

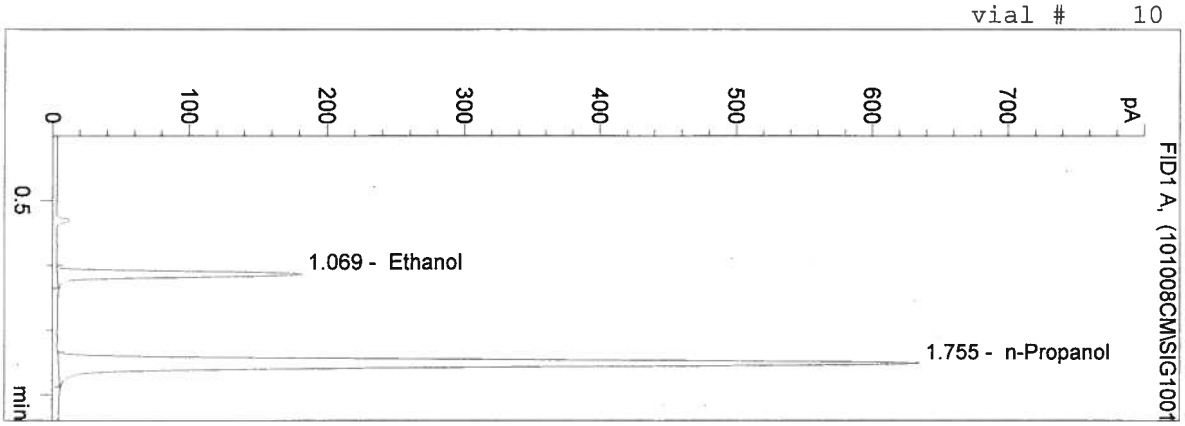
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

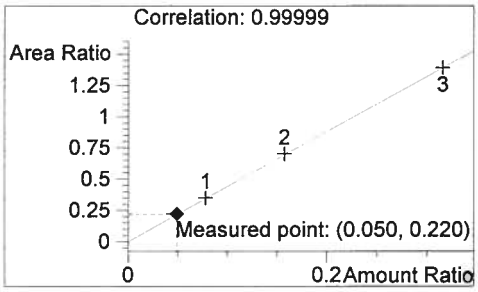
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:27:01 AM
Instrument 1
DB ALC 1

10042 #1
Christie Mitchell

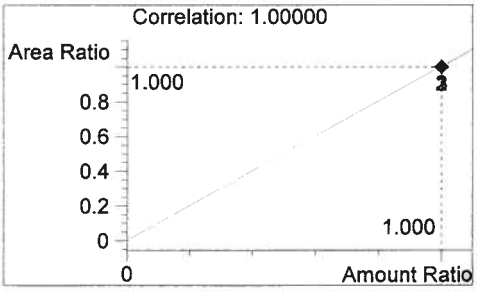
vial # 10



#	Compound	Area	RT
1	Ethanol	551	1.069
2	n-Propanol	2503	1.755
Tot			



Ethanol 0.050 g/100 mL



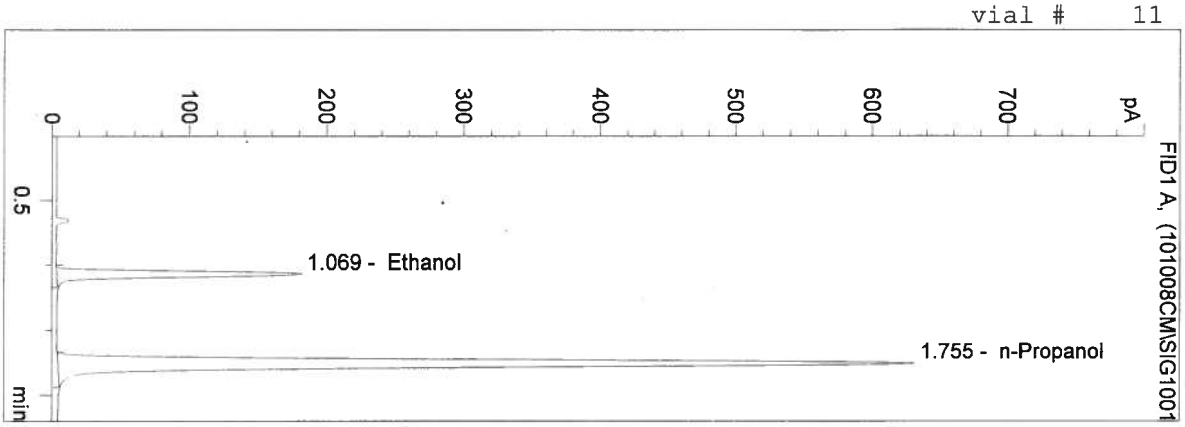
n-Propanol 1.000 g/100 mL

CM

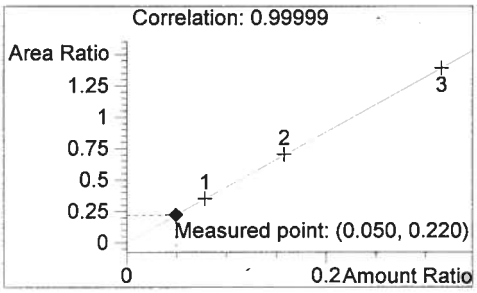
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:30:06 AM
Instrument 1
DB ALC 1

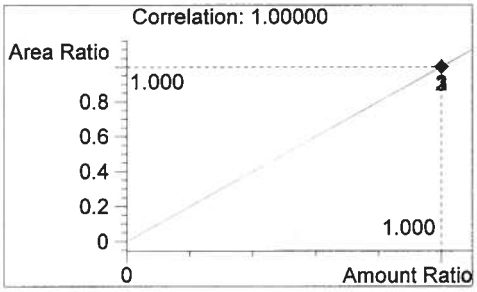
10042 #2
Christie Mitchell
vial # 11



#	Compound	Area	RT
1	Ethanol	547	1.069
2	n-Propanol	2480	1.755
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

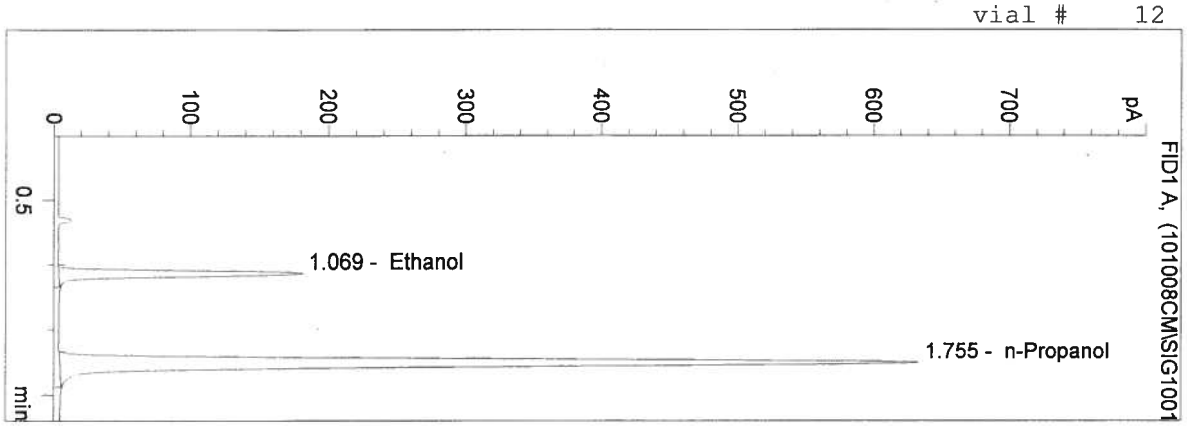
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

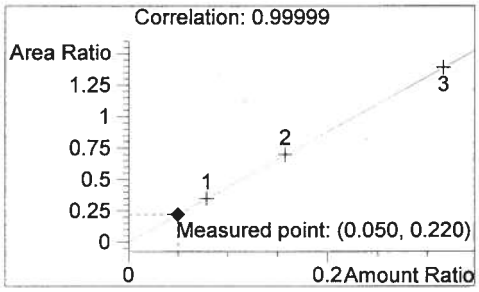
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:33:11 AM
Instrument 1
DB ALC 1

10042 #3
Christie Mitchell

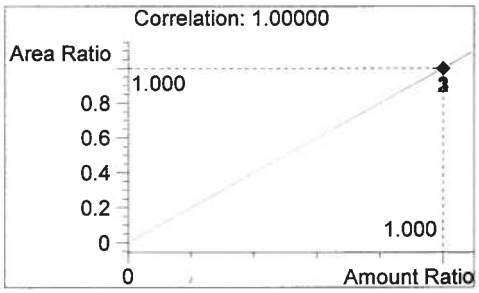
vial # 12



#	Compound	Area	RT
1	Ethanol	549	1.069
2	n-Propanol	2495	1.755
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

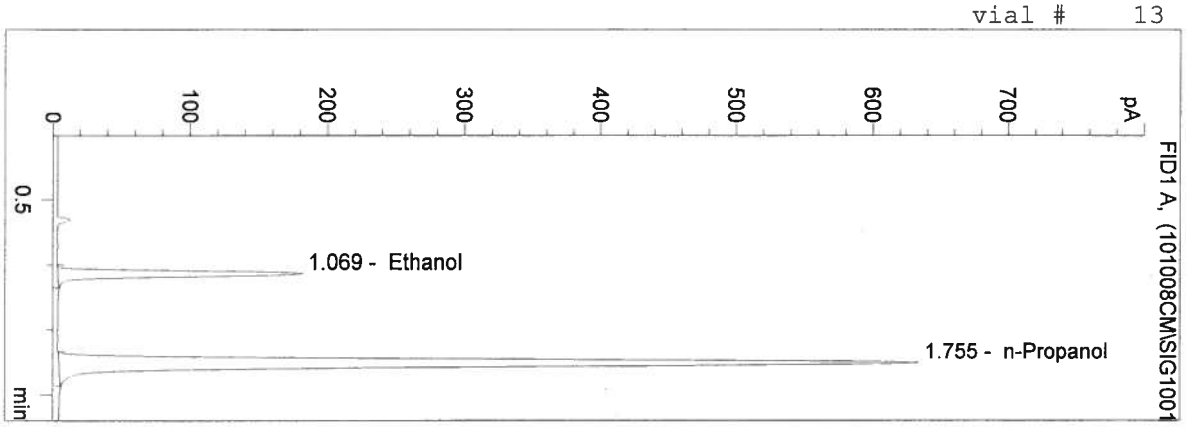
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

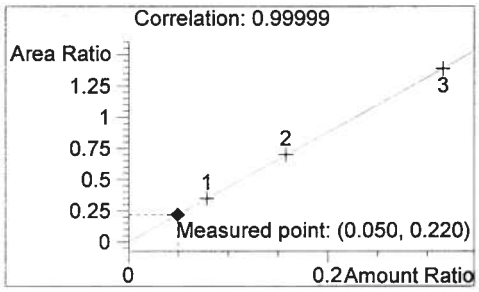
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:36:15 AM
Instrument 1
DB ALC 1

10042 #4
Christie Mitchell

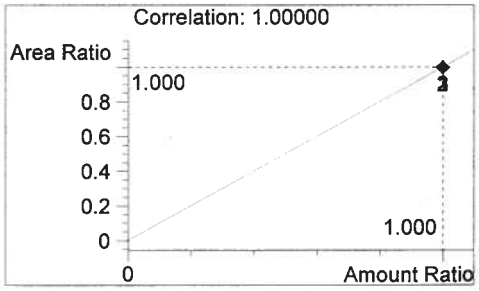
vial # 13



#	Compound	Area	RT
1	Ethanol	550	1.069
2	n-Propanol	2495	1.755
Tot			



Ethanol 0.050 g/100 mL



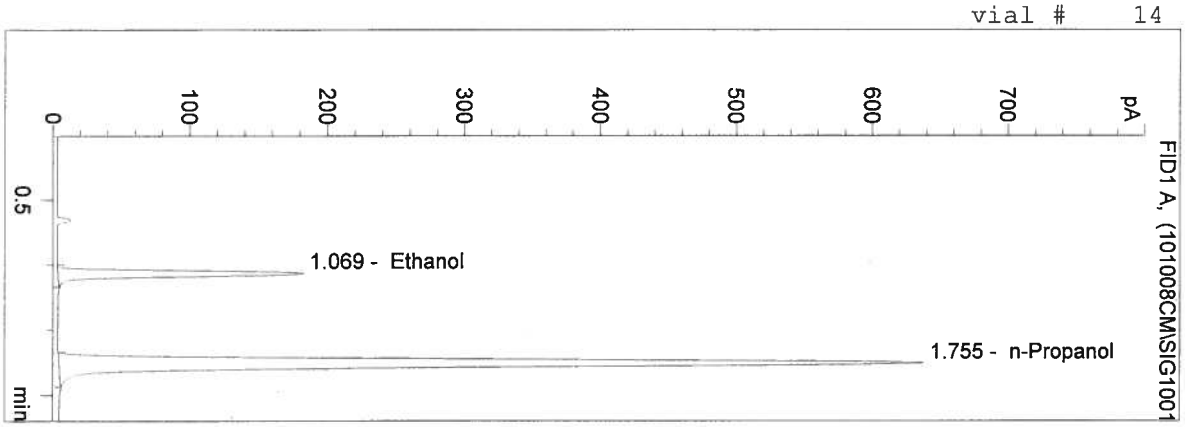
n-Propanol 1.000 g/100 mL

CM

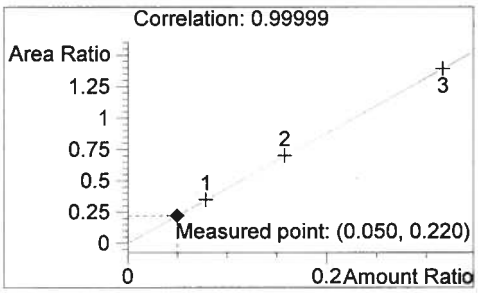
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:39:20 AM
Instrument 1
DB ALC 1

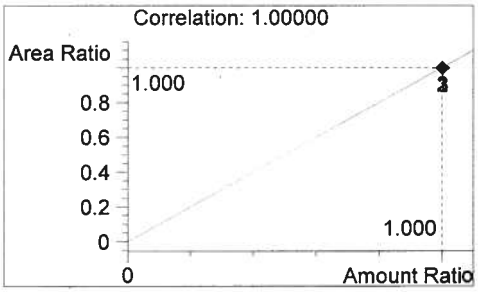
10042 #5
Christie Mitchell
vial # 14



#	Compound	Area	RT
1	Ethanol	552	1.069
2	n-Propanol	2510	1.755
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

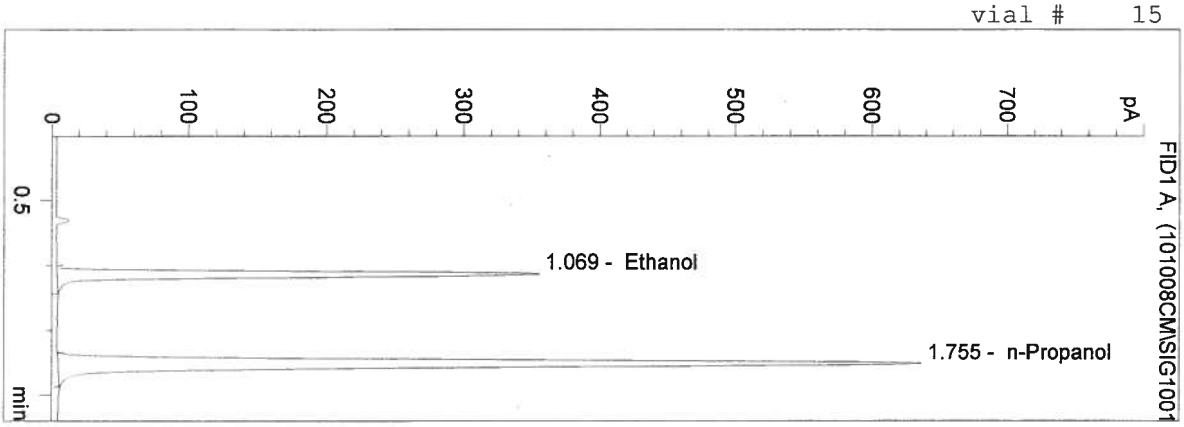
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

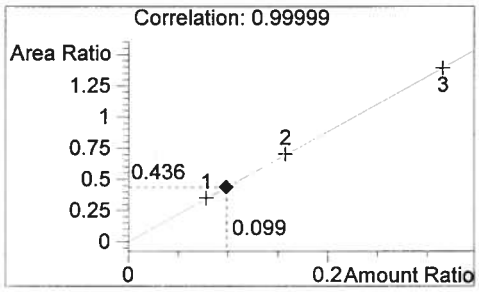
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:42:25 AM
Instrument 1
DB ALC 1

0.10 CTRL - CM
Christie Mitchell

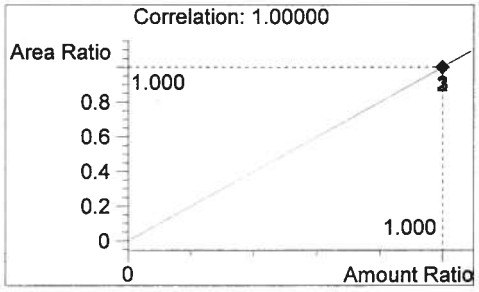
vial # 15



#	Compound	Area	RT
1	Ethanol	1092	1.069
2	n-Propanol	2507	1.755
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

CM

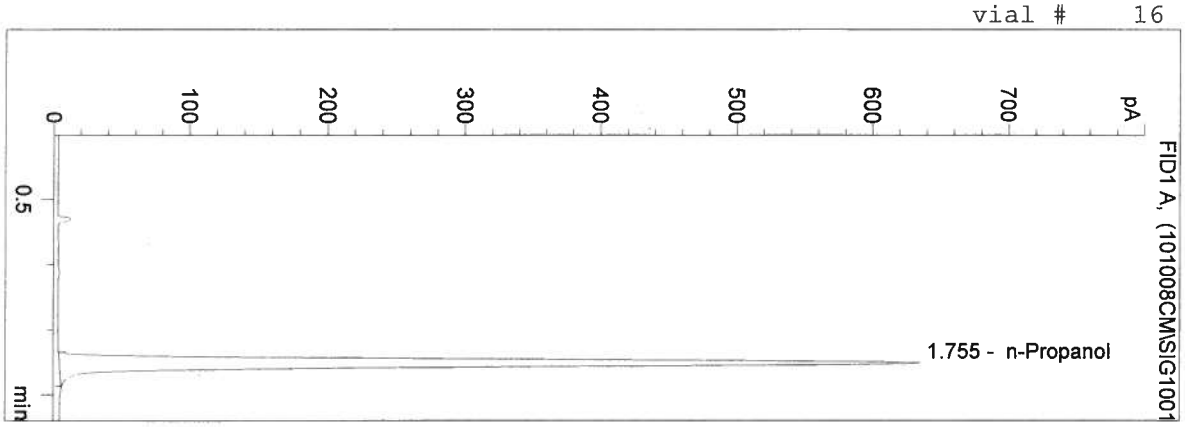
10042

WASHINGTON STATE TOXICOLOGY LABORATORY

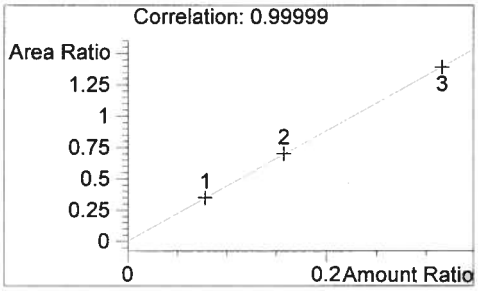
C:\HPCHEM\1\METHODS\SIMALC.M
10/8/2010 10:45:30 AM
Instrument 1
DB ALC 1

NEG CTRL - CM
Christie Mitchell

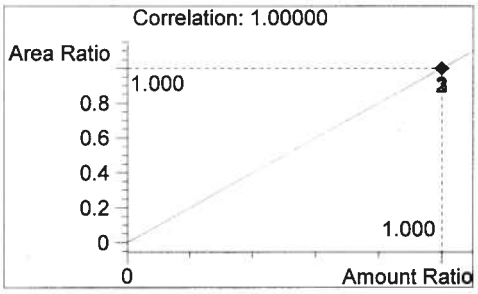
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2504	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

10042

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\1\DATA\
Data Subdirectory:	101011JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A075264 - exp 10/2014
0.10 Control - Lot#A071132 - exp 03/2014
0.20 Control - Lot#A073849 - exp ~~10~~ 07/2014
JK 10.20.10

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	10042-1	SIMALC	1	Sample		
11	Vial 11	10042-2	SIMALC	1	Sample		
12	Vial 12	10042-3	SIMALC	1	Sample		
13	Vial 13	10042-4	SIMALC	1	Sample		
14	Vial 14	10042-5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC	1	Ctrl Samp		
17	Vial 17	10043-1	SIMALC	1	Sample		
18	Vial 18	10043-2	SIMALC	1	Sample		
19	Vial 19	10043-3	SIMALC	1	Sample		
20	Vial 20	10043-4	SIMALC	1	Sample		
21	Vial 21	10043-5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL JK	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL JK	SIMALC	1	Ctrl Samp		
24	Vial 24	10045-1	SIMALC	1	Sample		
25	Vial 25	10045-2	SIMALC	1	Sample		
26	Vial 26	10045-3	SIMALC	1	Sample		
27	Vial 27	10045-4	SIMALC	1	Sample		
28	Vial 28	10045-5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL JK	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL JK	SIMALC	1	Ctrl Samp		
31	Vial 31	10046-1	SIMALC	1	Sample		
32	Vial 32	10046-2	SIMALC	1	Sample		

10042
10043
10045
JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10046-3	SIMALC	1	Sample		
34	Vial 34	10046-4	SIMALC	1	Sample		
35	Vial 35	10046-5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL JK	SIMALC	1	Ctrl Samp		
37	Vial 37	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!

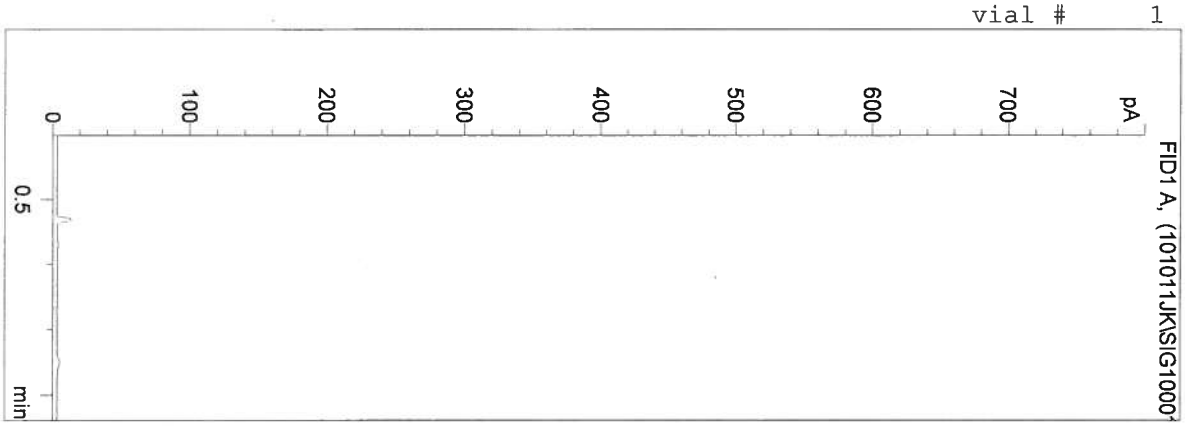
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

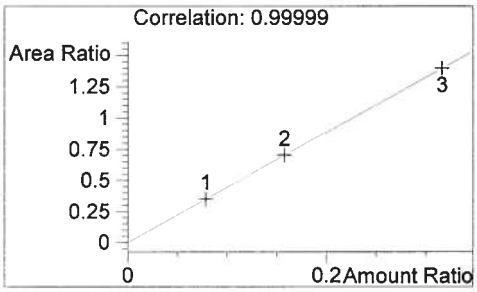
C:\HPCHEM\1\METHODS\SIMALC.M
10/11/2010 11:45:17 AM
Instrument 1
DB ALC 1

BLANK
Justin Knoy

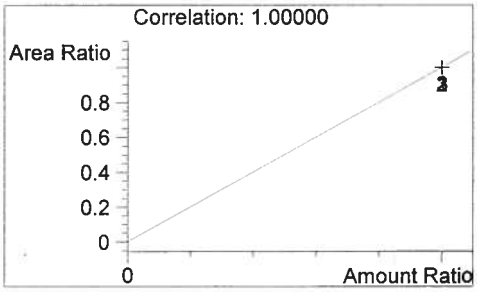
vial # 1



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



Ethanol 0.000 g/100 mL



n-Propanol 0.000 g/100 mL

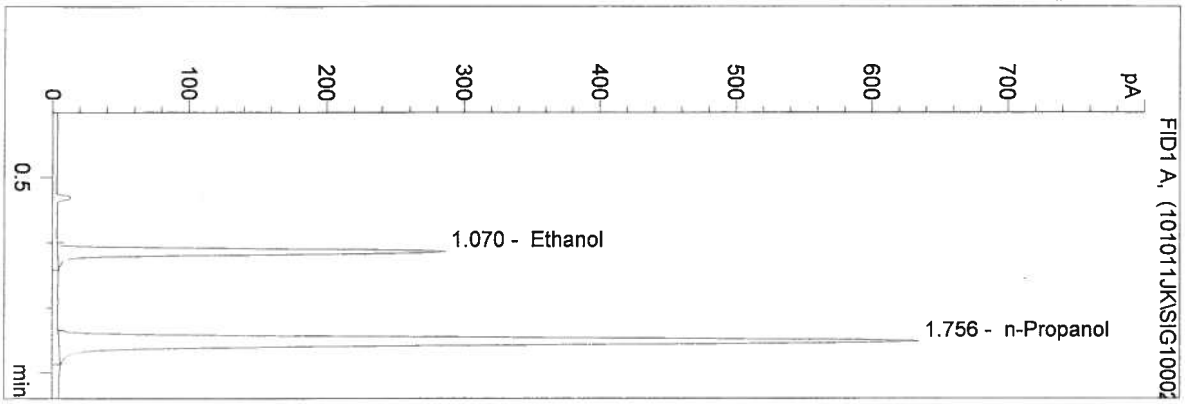
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

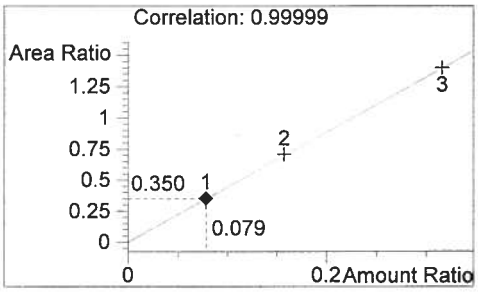
C:\HPCHEM\1\METHODS\SIMALC.M
10/11/2010 11:48:25 AM
Instrument 1
DB ALC 1

0.079 CAL 1
Justin Knoy

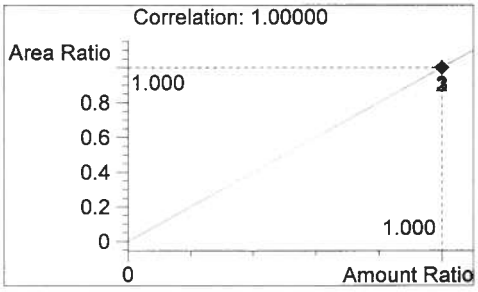
vial # 2



#	Compound	Area	RT
1	Ethanol	870	1.070
2	n-Propanol	2490	1.756
Tot			



Ethanol 0.079 g/100 mL



n-Propanol 1.000 g/100 mL

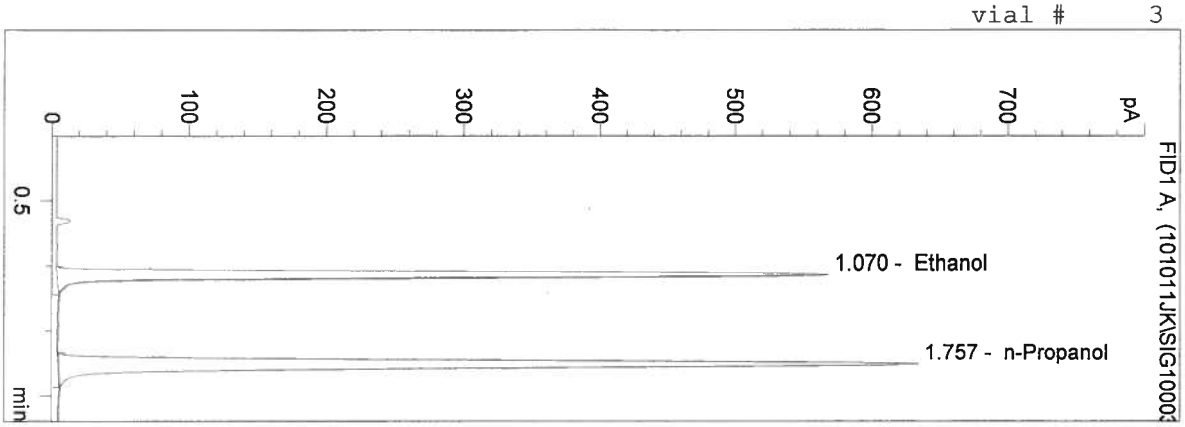
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

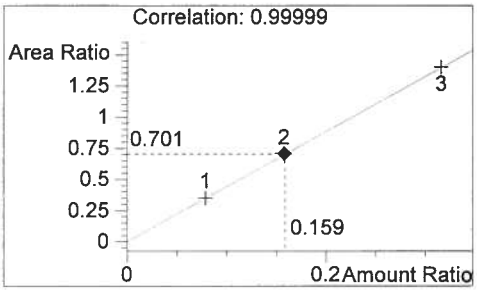
C:\HPCHEM\1\METHODS\SIMALC.M
10/11/2010 11:51:29 AM
Instrument 1
DB ALC 1

0.158 CAL 2
Justin Knoy

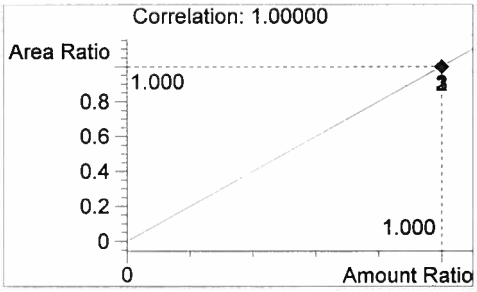
vial # 3



#	Compound	Area	RT
1	Ethanol	1747	1.070
2	n-Propanol	2491	1.757
Tot			



Ethanol 0.159 g/100 mL



n-Propanol 1.000 g/100 mL

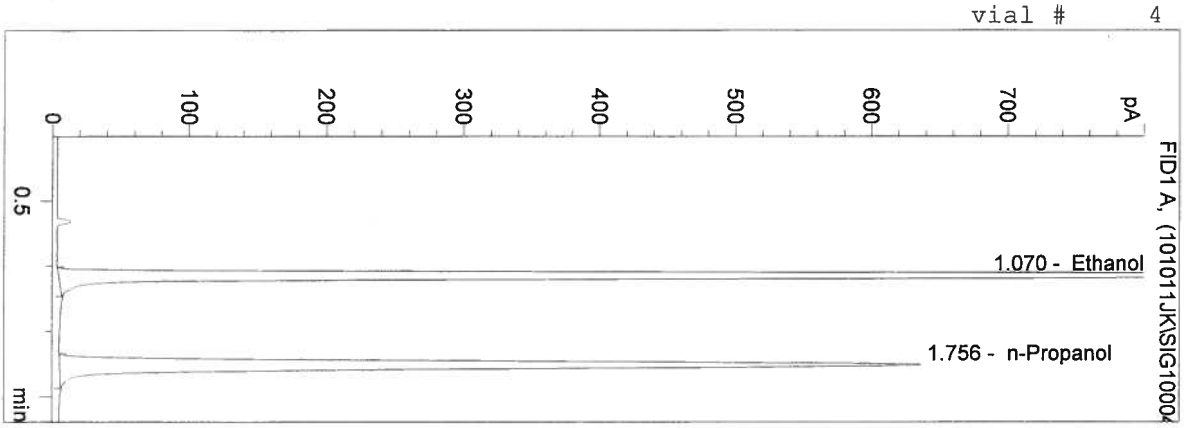
10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

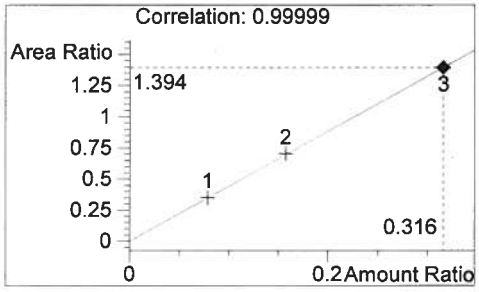
C:\HPCHEM\1\METHODS\SIMALC.M
10/11/2010 11:54:34 AM
Instrument 1
DB ALC 1

0.316 CAL 3
Justin Knoy

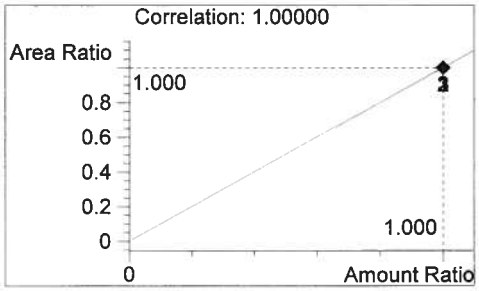
vial # 4



#	Compound	Area	RT
1	Ethanol	3477	1.070
2	n-Propanol	2495	1.756
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

1100042
100043
100045

JK

WASHINGTON STATE TOXICOLOGY LABORATORY

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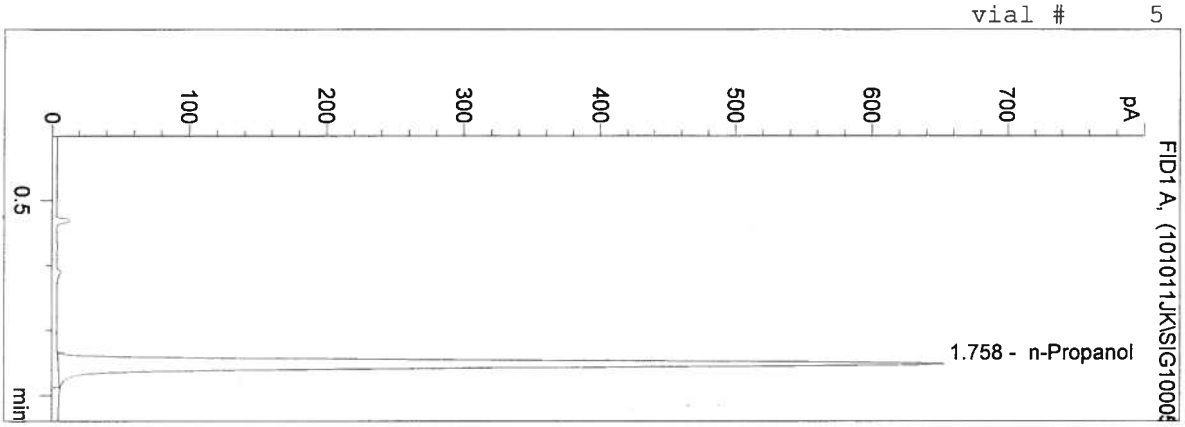
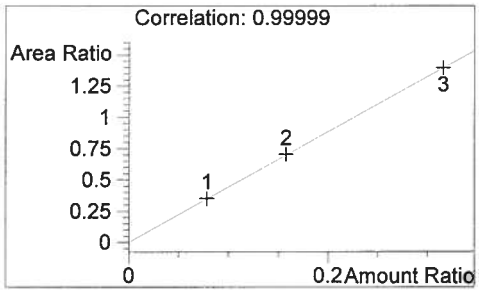
10/11/2010 11:57:39 AM
Instrument 1
DB ALC 1

NEG CTRL JK
Justin Knoy

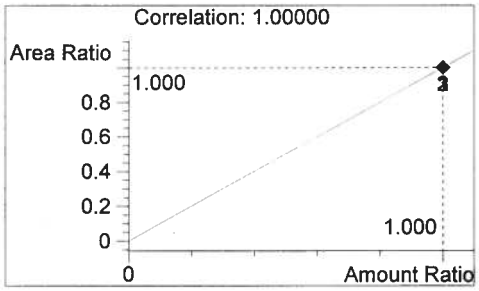
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2569	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

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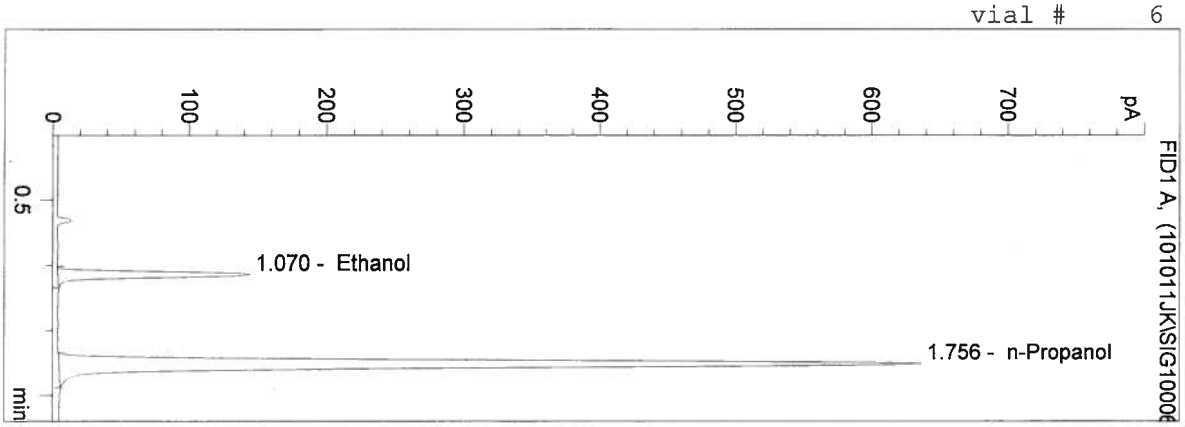
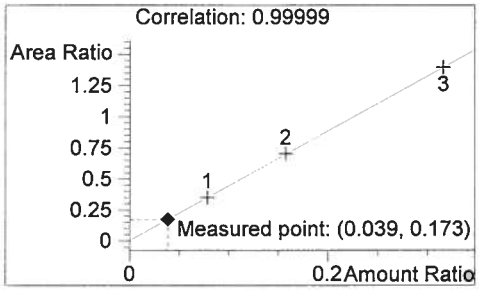
10/11/2010 12:00:43 PM
Instrument 1
DB ALC 1

0.04 CTRL - JK
Justin Knoy

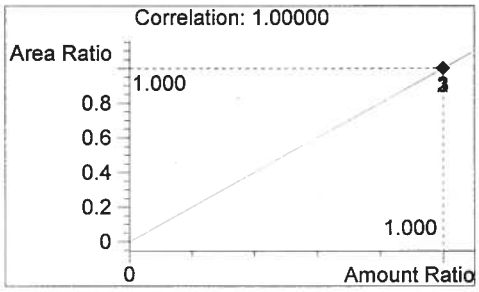
vial # 6



#	Compound	Area	RT
1	Ethanol	433	1.070
2	n-Propanol	2503	1.756
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

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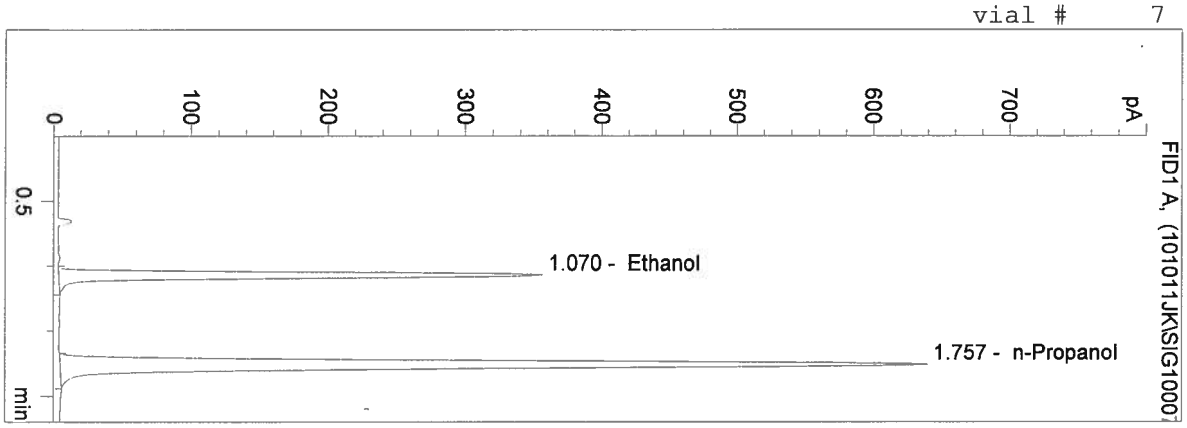
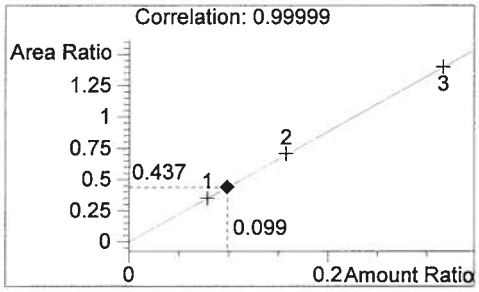
10/11/2010 12:03:48 PM
Instrument 1
DB ALC 1

0.10 CTRL - JK
Justin Knoy

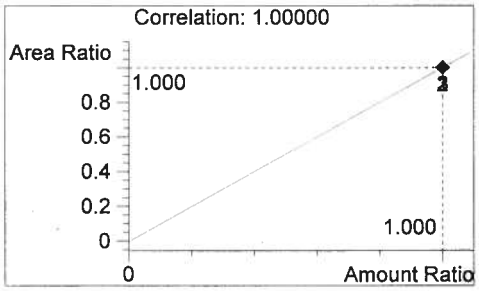
vial # 7



#	Compound	Area	RT
1	Ethanol	1099	1.070
2	n-Propanol	2514	1.757
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

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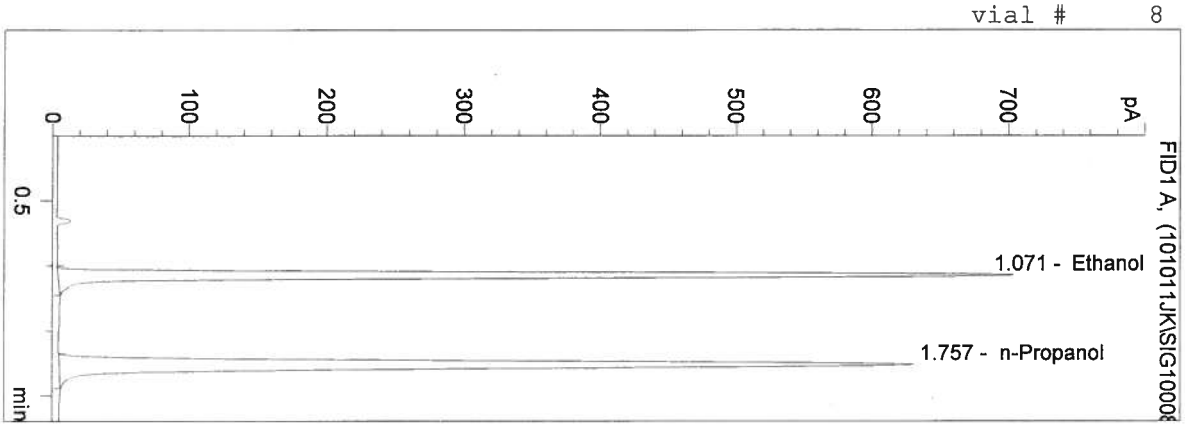
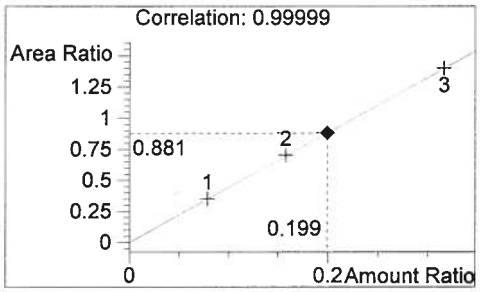
Instrument 1
DB ALC 1

0.20 CTRL - JK
Justin Knoy

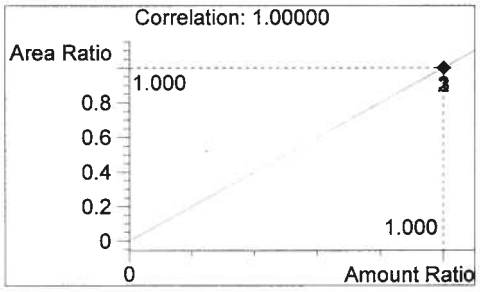
vial # 8



#	Compound	Area	RT
1	Ethanol	2180	1.071
2	n-Propanol	2476	1.757
Tot			



Ethanol 0.199 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

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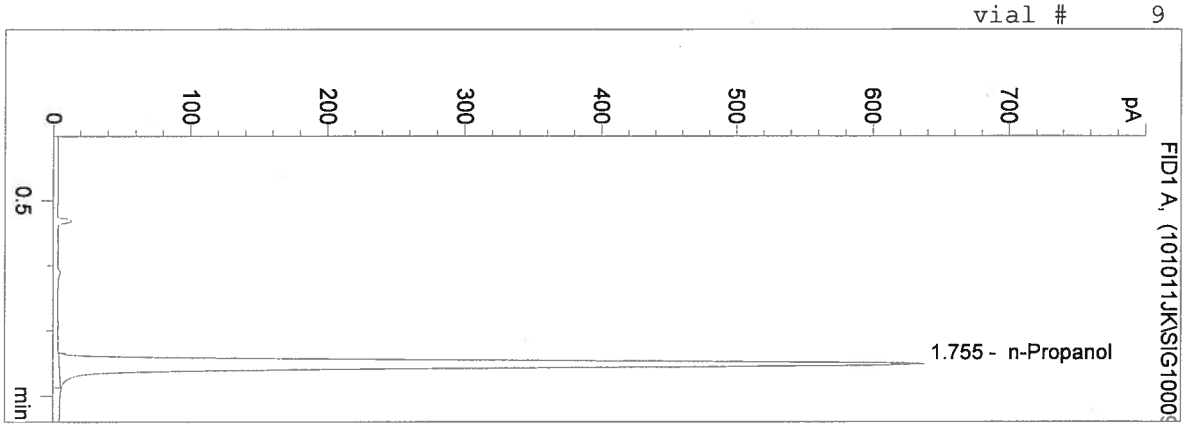
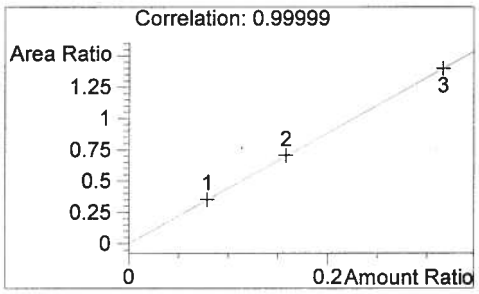
Instrument 1
DB ALC 1

NEG CTRL JK
Justin Knoy

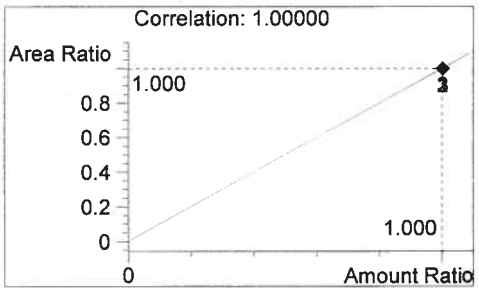
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2507	1.755
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042
10043
10045

WASHINGTON STATE TOXICOLOGY LABORATORY

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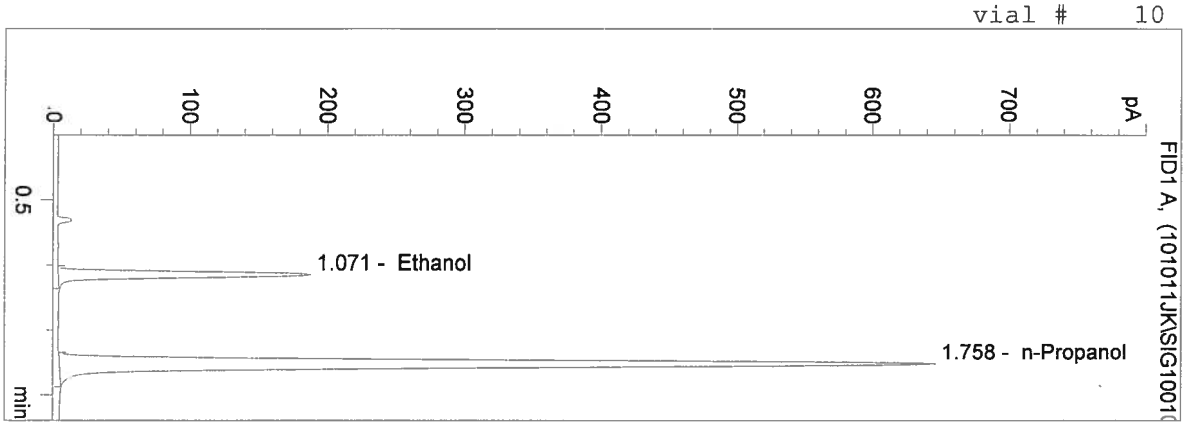
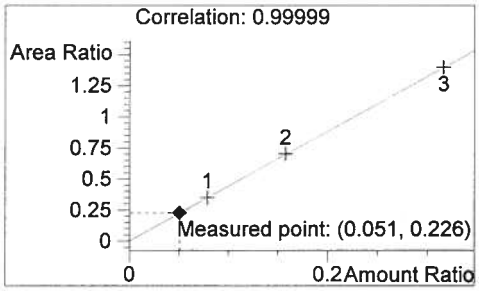
Instrument 1
DB ALC 1

10042-1
Justin Knoy

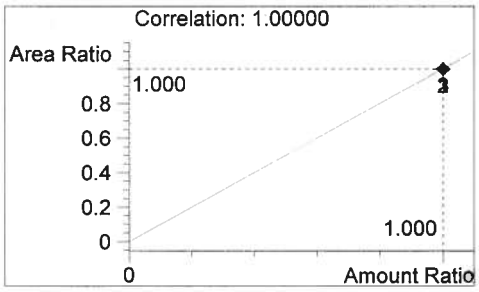
vial # 10



#	Compound	Area	RT
1	Ethanol	576	1.071
2	n-Propanol	2547	1.758
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

JK

WASHINGTON STATE TOXICOLOGY LABORATORY

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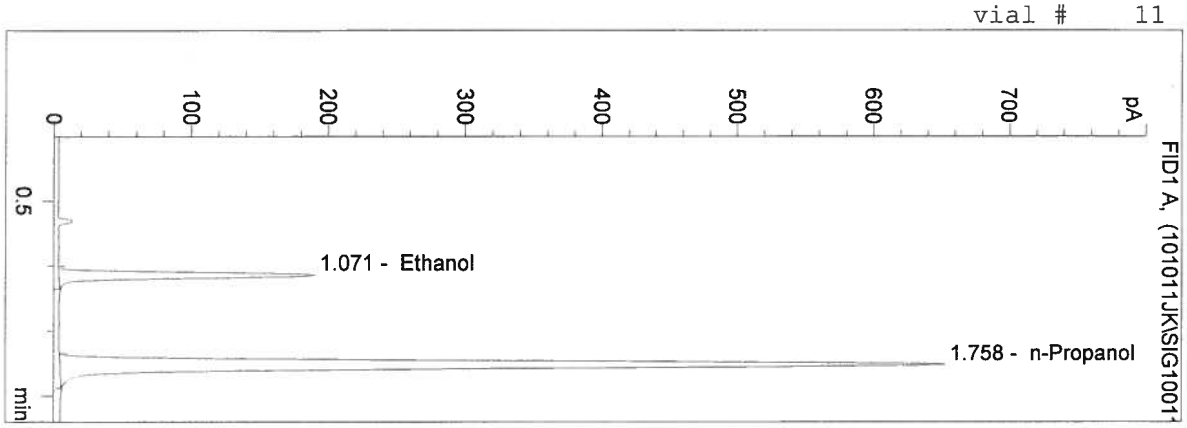
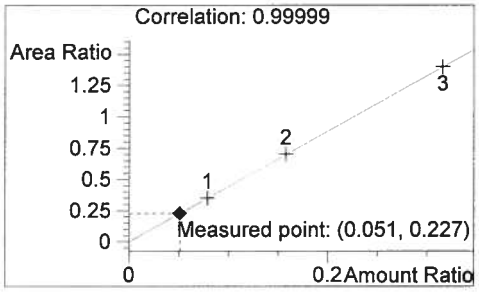
10/11/2010 12:16:07 PM
Instrument 1
DB ALC 1

10042-2
Justin Knoy

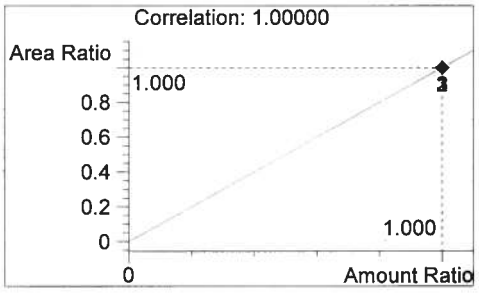
vial # 11



#	Compound	Area	RT
1	Ethanol	584	1.071
2	n-Propanol	2575	1.758
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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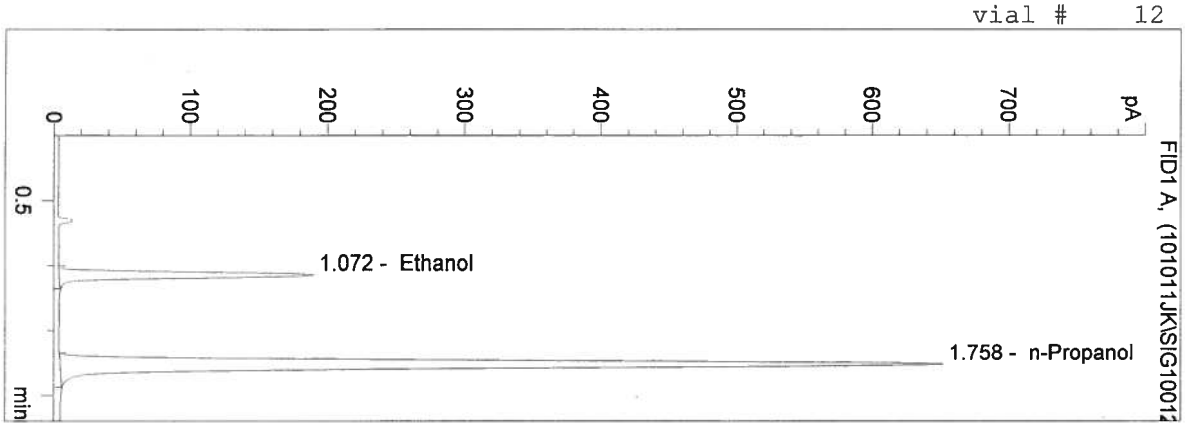
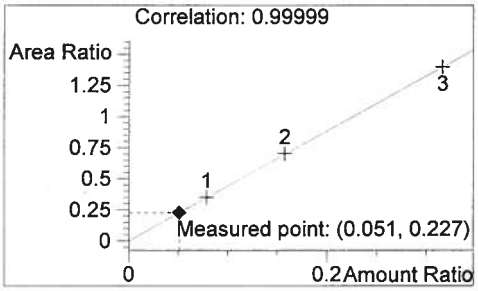
10/11/2010 12:19:12 PM
Instrument 1
DB ALC 1

10042-3
Justin Knoy

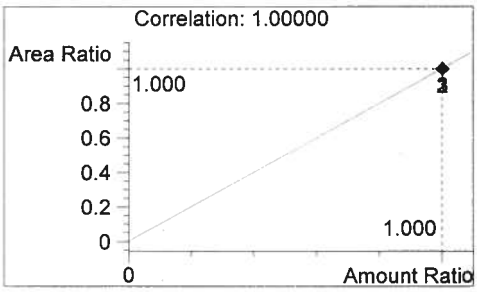
vial # 12



#	Compound	Area	RT
1	Ethanol	583	1.072
2	n-Propanol	2568	1.758
Tot			



Ethanol 0.051 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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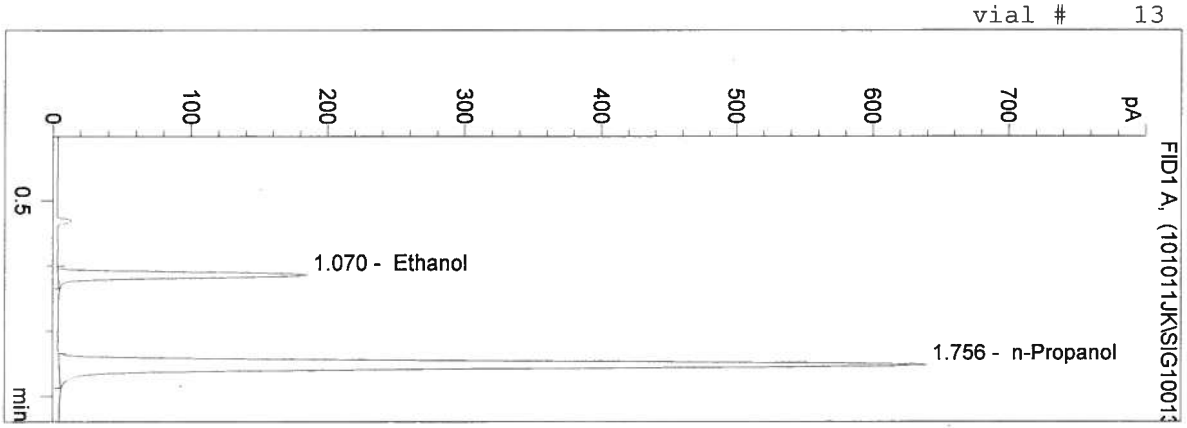
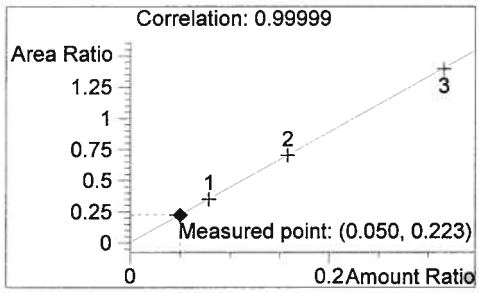
10/11/2010 12:22:16 PM
Instrument 1
DB ALC 1

10042-4
Justin Knoy

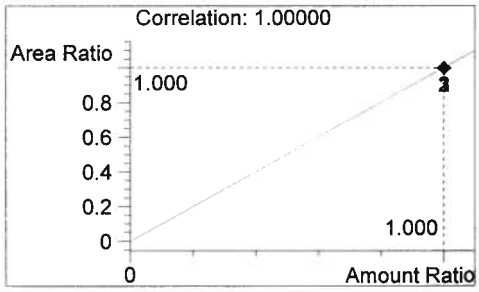
vial # 13



#	Compound	Area	RT
1	Ethanol	561	1.070
2	n-Propanol	2517	1.756
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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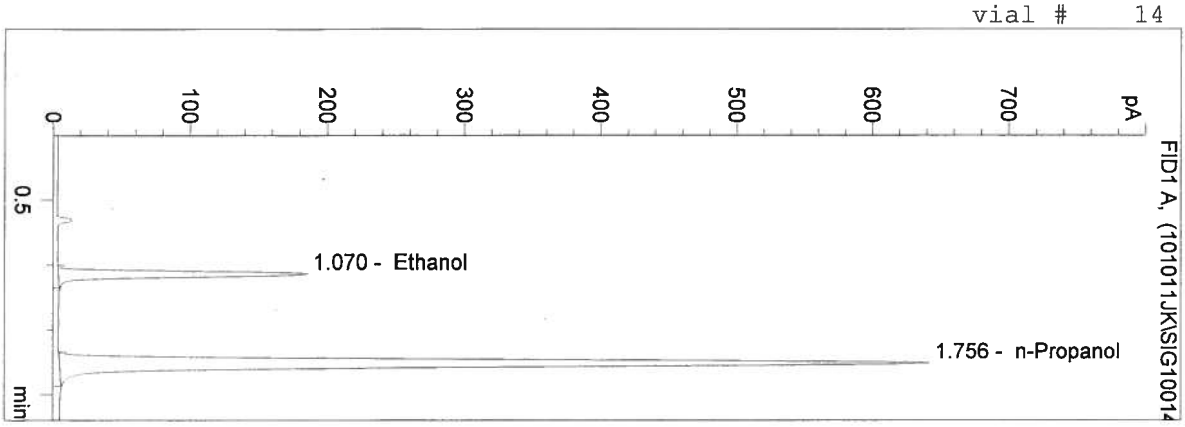
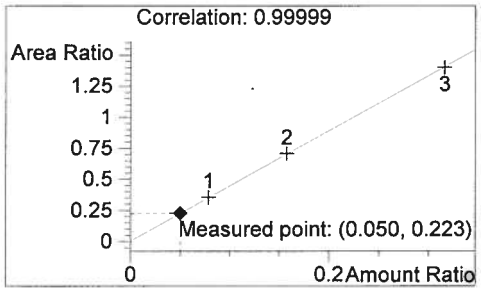
10/11/2010 12:25:21 PM
Instrument 1
DB ALC 1

10042-5
Justin Knoy

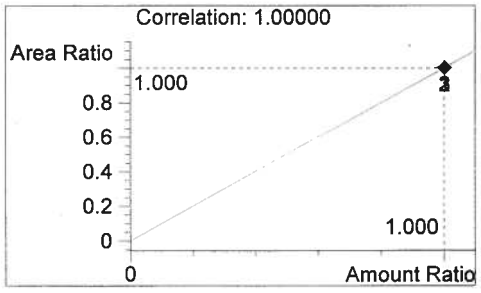
vial # 14



#	Compound	Area	RT
1	Ethanol	563	1.070
2	n-Propanol	2525	1.756
Tot			



Ethanol 0.050 g/100 mL



n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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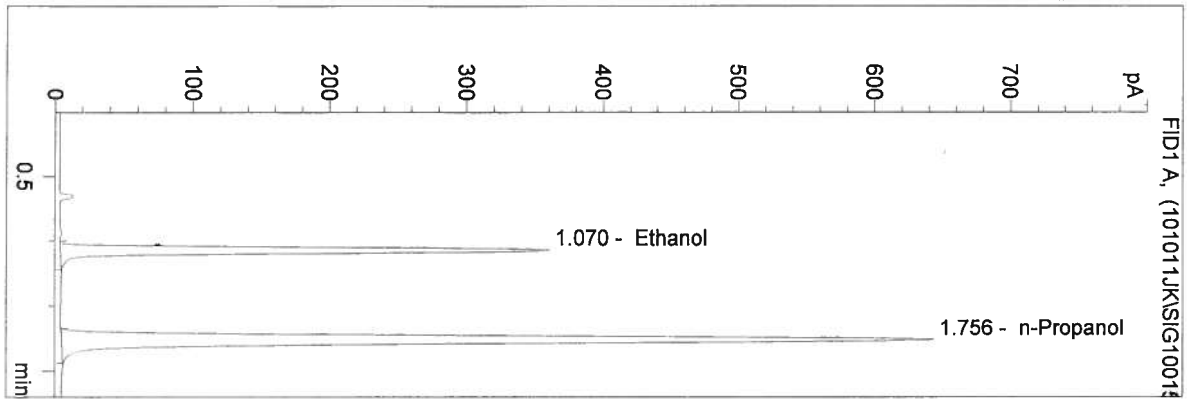
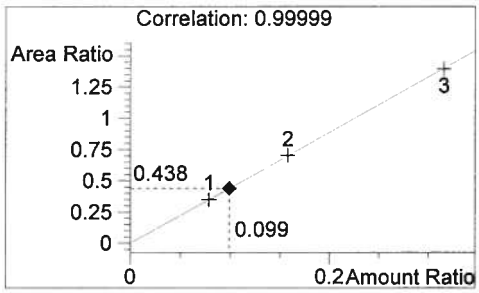
10/11/2010 12:28:26 PM
Instrument 1
DB ALC 1

0.10 CTRL JK
Justin Knoy

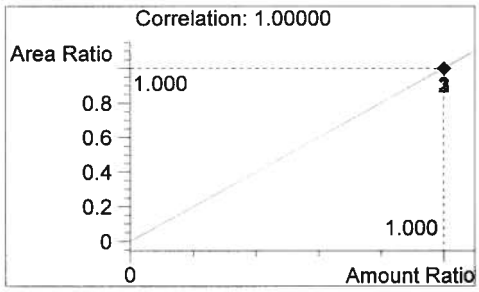
vial # 15



#	Compound	Area	RT
1	Ethanol	1112	1.070
2	n-Propanol	2537	1.756
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

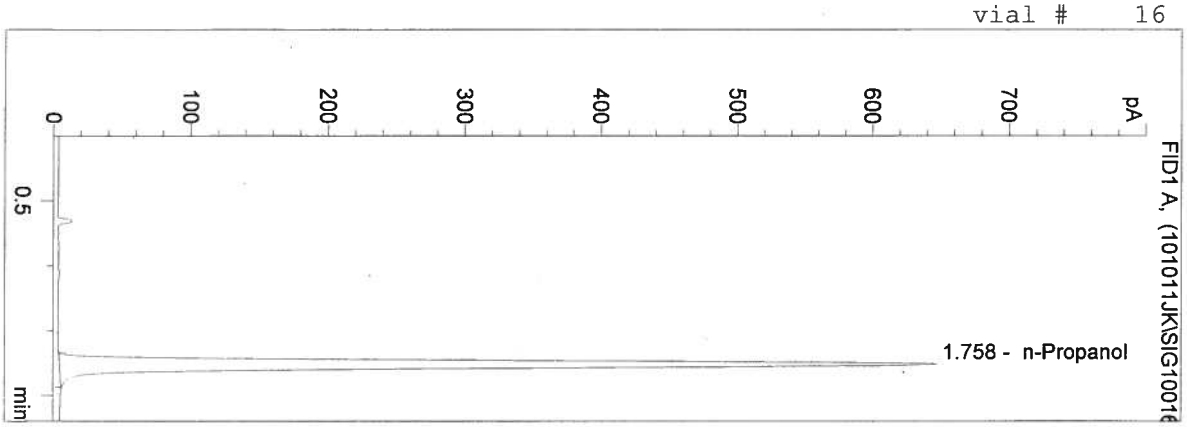
10042

WASHINGTON STATE TOXICOLOGY LABORATORY

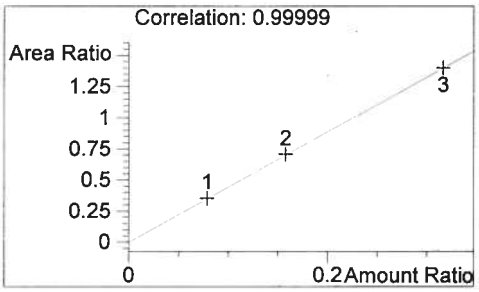
C:\HPCHEM\1\METHODS\SIMALC.M
10/11/2010 12:31:31 PM
Instrument 1
DB ALC 1

NEG CTRL JK
Justin Knoy

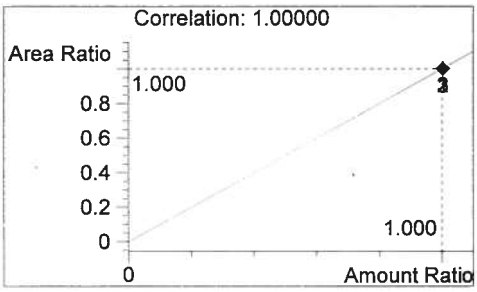
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2550	1.758
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

10042

JK

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 10042, 10043, 10044, 10045

Preparer: BEO

Date Prepared: 10·6·10

Expiration Date: 10·6·11

Lot 200 Proof (100%) Ethanol Used: ZQ0777

Date 200 Proof Ethanol Opened: 9/16/10
(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			☑ 10·6·10 Date

Brian E Kelly
Analyst

10·6·10
Date