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

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 11005

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 02/09/2011
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Christie Mitchell

	CM	BB	BP
1	0.102	0.102	0.101
2	0.102	0.101	0.102
3	0.102	0.103	0.103
4	0.102	0.101	0.102
5	0.102	0.102	0.102
C	0.099	0.097	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1019 g/100mL
STANDARD DEVIATION: 0.00059
PRECISION CV (%): 0.58
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0829 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0010 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

3-24-11
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CM	Christie Mitchell	Christie Mitchell	02/09/2011
BB	Brittany Ball	Brittany Ball	02/11/2011
BP	Brianna Peterson	Brianna Peterson	02/14/2011

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 #: 11005 **Date Prepared:** 2/9/2011

Analyst:	CM	BB	BP
Date Tested:	2/9/2011	2/11/2011	2/14/2011
Instrument:	HS#1	HS#1	HS#1
1	0.102	0.102	0.101
2	0.102	0.101	0.102
3	0.102	0.103	0.103
4	0.102	0.101	0.102
5	0.102	0.102	0.102
C	0.099	0.097	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000022609	0.0000459638	0.0001016326

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1019 g/100mL
Standard Deviation: 0.00059 g/100mL
Precision CV (%): 0.58
Equivalent Vapor Concentration: 0.0829 g/210L
Combined Standard Uncertainty (±): 0.0010 g/210L

Calculations performed by: Melissa L. Pemberton Melissa L. Pemberton 3.15.11
Name Signature Date

Calculations verified by: JASON SKLEROV
Name Signature MARCH 21, 2011 Date

Method: HAND CALCULATOR

Tech. review performed by: Melissa L. Pemberton Melissa L. Pemberton 3-24-11
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** MARCH 21, 2011

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 11005

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

Comments:

Reviewer Signature: (SKLEROV) **Date:** MARCH 21, 2011

Reviewer Signature: N/A (TJB) 3/21/11 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson	BP	3/15/11
Brianne O'Reilly		
Brittany Ball	BB	3/15/11
Christie Mitchell	CM	3/15/11
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 211005

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 11005

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, MFS degree in Forensic Science, and over three years experience in forensic toxicology.

The qap solution, Lot Number 11005, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Christie Mitchell 3/15/2011

Christie Mitchell Date

Forensic Toxicologist

CM/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 11005

I, Brittany Ball, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology and a Masters in Forensic Science.

The qap solution, Lot Number 11005, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Brittany Ball 3/15/11

Brittany Ball Date

Forensic Toxicologist

BB/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 11005

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 five years of experience in forensic toxicology.

The qap solution, Lot Number 11005, was prepared in the Washington State Toxicology Laboratory on 2/9/2011. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/9/2012.

Seattle, WA

Brianna Peterson 3/15/11

Brianna Peterson Date

Forensic Toxicologist

BP/ik

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:	110209CM
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

Calibration + controls filed with 11004 data
CM
2/9/11

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CM	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -CM	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
10	Vial 10	11004 #1	SIMALC1	1	Sample		
11	Vial 11	11004 #2	SIMALC1	1	Sample		
12	Vial 12	11004 #3	SIMALC1	1	Sample		
13	Vial 13	11004 #4	SIMALC1	1	Sample		
14	Vial 14	11004 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
17	Vial 17	11005 #1	SIMALC1	1	Sample		
18	Vial 18	11005 #2	SIMALC1	1	Sample		
19	Vial 19	11005 #3	SIMALC1	1	Sample		
20	Vial 20	11005 #4	SIMALC1	1	Sample		
21	Vial 21	11005 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
24	Vial 24	11006 #1	SIMALC1	1	Sample		
25	Vial 25	11006 #2	SIMALC1	1	Sample		
26	Vial 26	11006 #3	SIMALC1	1	Sample		
27	Vial 27	11006 #4	SIMALC1	1	Sample		
28	Vial 28	11006 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		
31	Vial 31	11007 #1	SIMALC1	1	Sample		
32	Vial 32	11007 #2	SIMALC1	1	Sample		

CM

11005

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	11007 #3	SIMALC1	1	Sample		
34	Vial 34	11007 #4	SIMALC1	1	Sample		
35	Vial 35	11007 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL - CM	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL - CM	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

CM

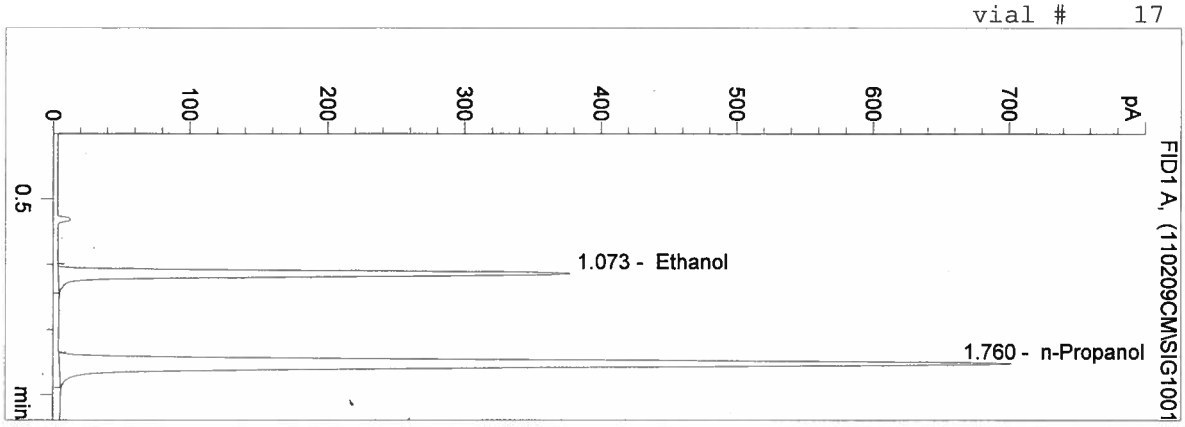
11005

WASHINGTON STATE TOXICOLOGY LABORATORY

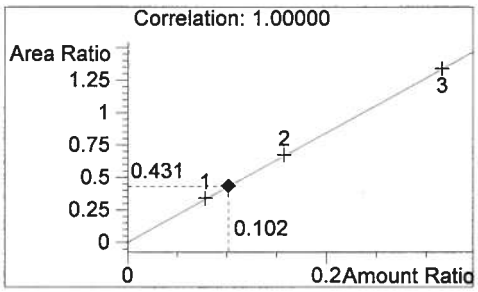
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:17:17 AM
Instrument 1
DB-ALC1

11005 #1
Christie Mitchell

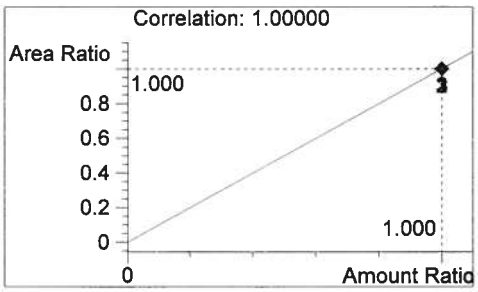
vial # 17



#	Compound	Area	RT
1	Ethanol	1205	1.073
2	n-Propanol	2793	1.760
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

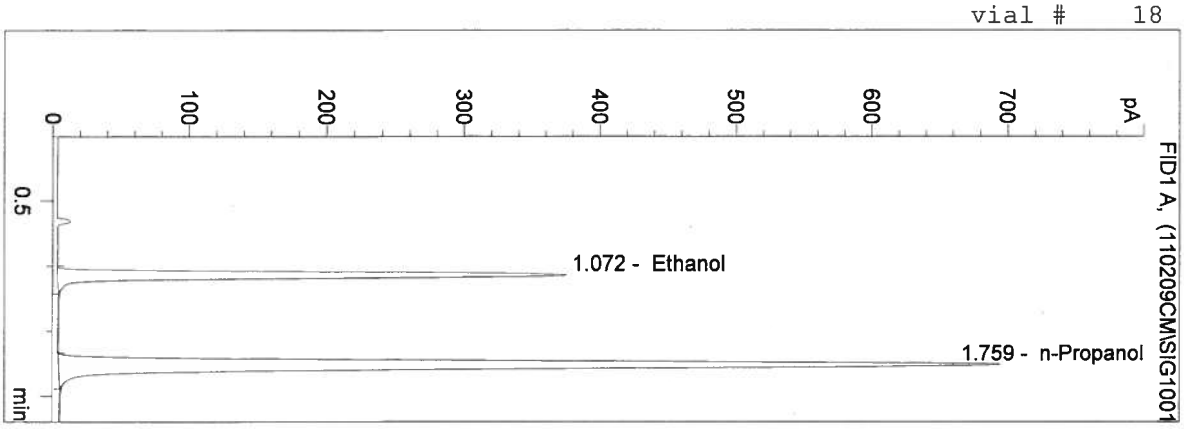
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

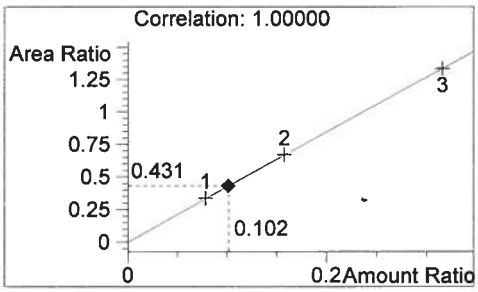
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:20:22 AM
Instrument 1
DB-ALC1

11005 #2
Christie Mitchell

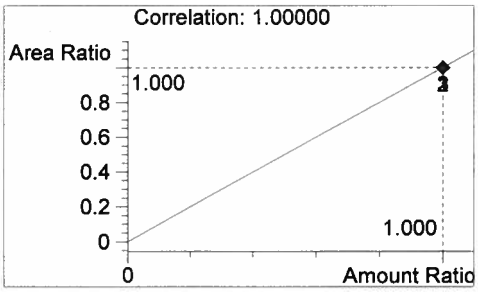
vial # 18



#	Compound	Area	RT
1	Ethanol	1190	1.072
2	n-Propanol	2763	1.759
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

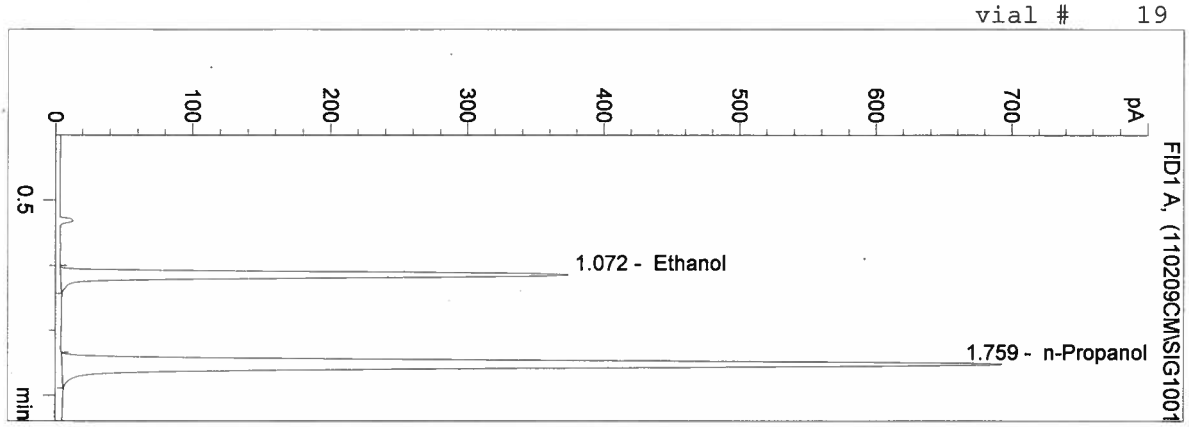
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

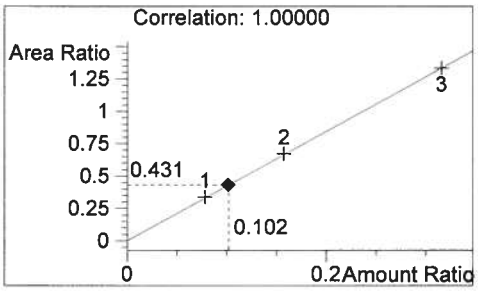
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:23:27 AM
Instrument 1
DB-ALC1

11005 #3
Christie Mitchell

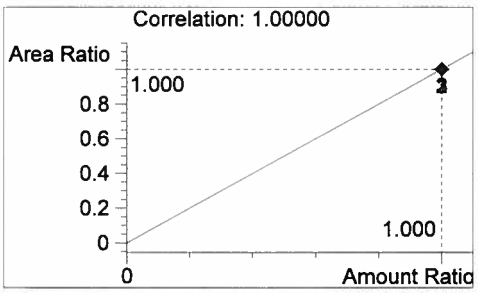
vial # 19



#	Compound	Area	RT
1	Ethanol	1189	1.072
2	n-Propanol	2756	1.759
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

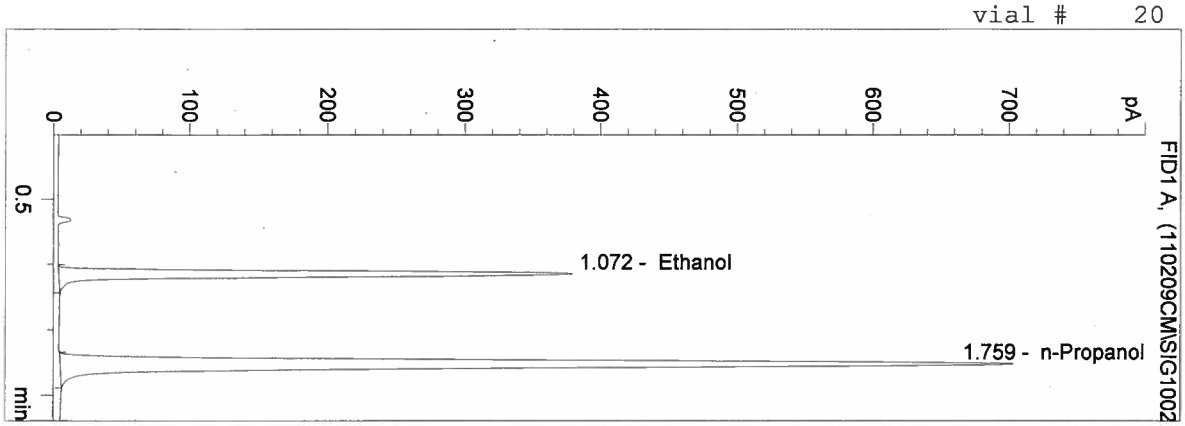
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

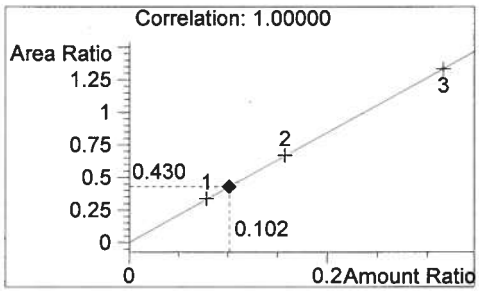
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:26:31 AM
Instrument 1
DB-ALC1

11005 #4
Christie Mitchell

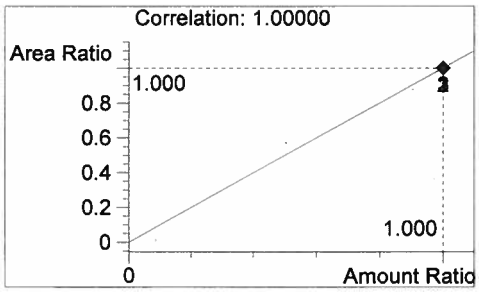
vial # 20



#	Compound	Area	RT
1	Ethanol	1206	1.072
2	n-Propanol	2803	1.759
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

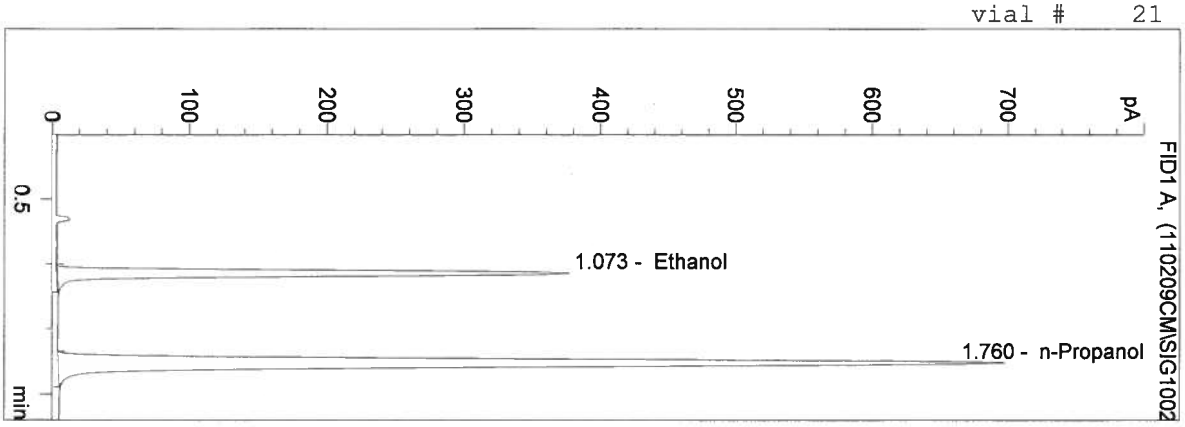
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

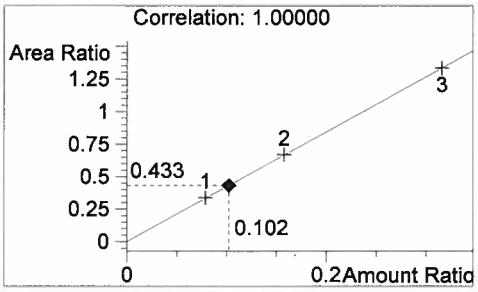
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:29:36 AM
Instrument 1
DB-ALC1

11005 #5
Christie Mitchell

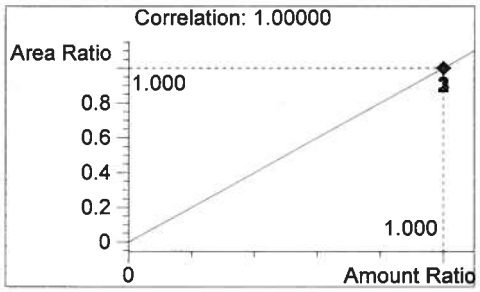
vial # 21



#	Compound	Area	RT
1	Ethanol	1202	1.073
2	n-Propanol	2779	1.760
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

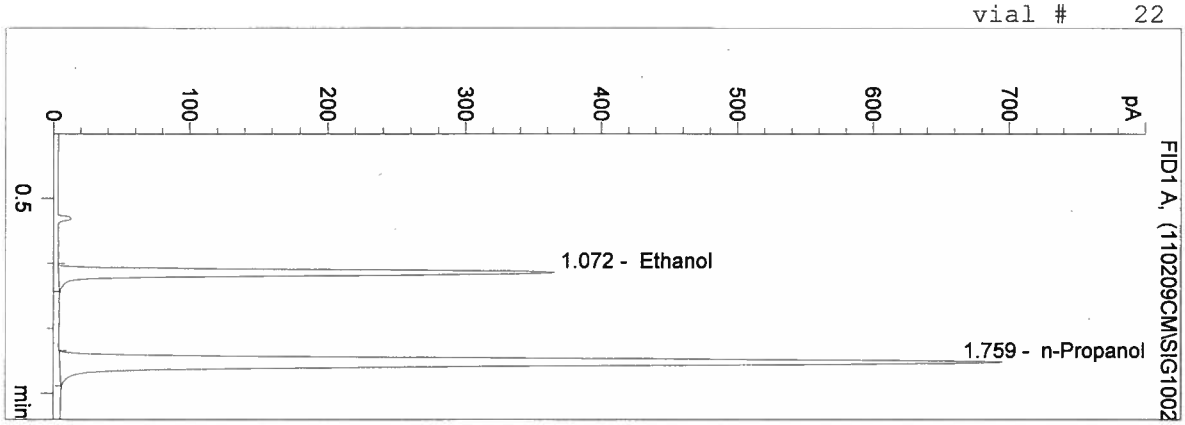
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

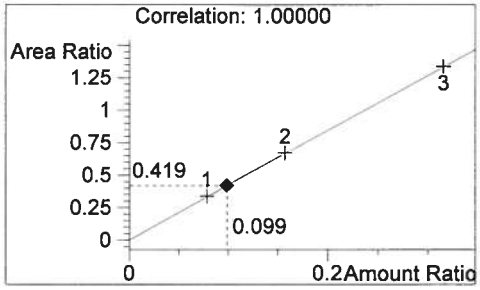
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:32:41 AM
Instrument 1
DB-ALC1

0.10 CTRL - CM
Christie Mitchell

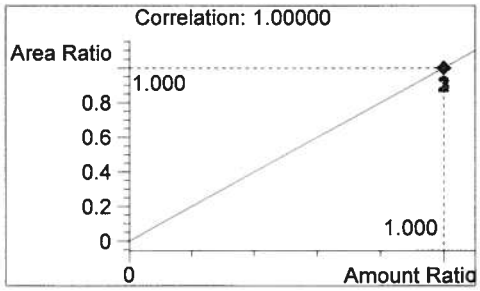
vial # 22



#	Compound	Area	RT
1	Ethanol	1157	1.072
2	n-Propanol	2760	1.759
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

CM

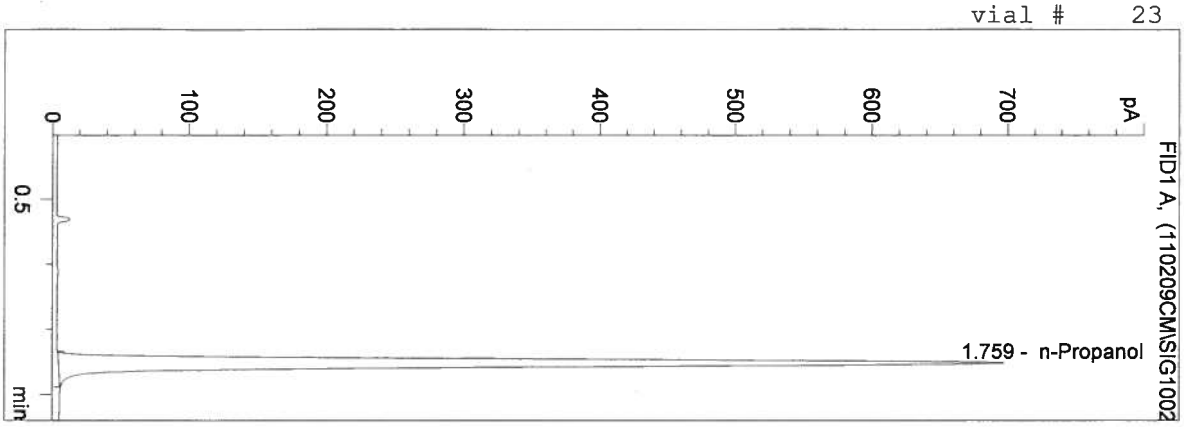
11005

WASHINGTON STATE TOXICOLOGY LABORATORY

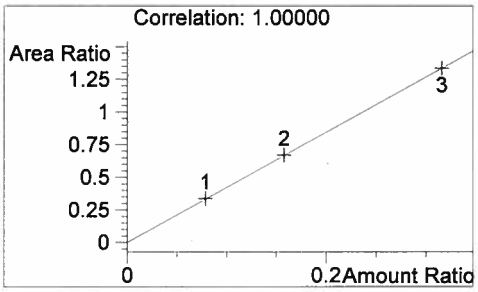
C:\HPCHEM\1\METHODS\SIMALC1.M
2/9/2011 11:35:46 AM
Instrument 1
DB-ALC1

NEG CTRL - CM
Christie Mitchell

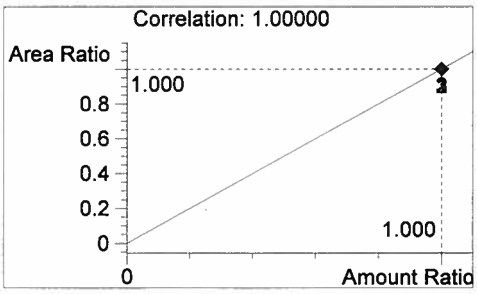
vial # 23



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2772	1.759
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

CM

11005

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	110211BB
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	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-BB	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-BB	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP0.04 11004 #1	SIMALC1	1	Sample		
11	Vial 11	QAP0.04 11004 #2	SIMALC1	1	Sample		
12	Vial 12	QAP0.04 11004 #3	SIMALC1	1	Sample		
13	Vial 13	QAP0.04 11004 #4	SIMALC1	1	Sample		
14	Vial 14	QAP0.04 11004 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP0.08 11005 #1	SIMALC1	1	Sample		
18	Vial 18	QAP0.08 11005 #2	SIMALC1	1	Sample		
19	Vial 19	QAP0.08 11005 #3	SIMALC1	1	Sample		
20	Vial 20	QAP0.08 11005 #4	SIMALC1	1	Sample		
21	Vial 21	QAP0.08 11005 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP0.10 11006 #1	SIMALC1	1	Sample		
25	Vial 25	QAP0.10 11006 #2	SIMALC1	1	Sample		
26	Vial 26	QAP0.10 11006 #3	SIMALC1	1	Sample		
27	Vial 27	QAP0.10 11006 #4	SIMALC1	1	Sample		
28	Vial 28	QAP0.10 11006 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP0.15 11007 #1	SIMALC1	1	Sample		
32	Vial 32	QAP0.15 11007 #2	SIMALC1	1	Sample		

BB

11005

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.15 11007 #3	SIMALC1	1	Sample		
34	Vial 34	QAP0.15 11007 #4	SIMALC1	1	Sample		
35	Vial 35	QAP0.15 11007 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL-BB	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL-BB	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

BB

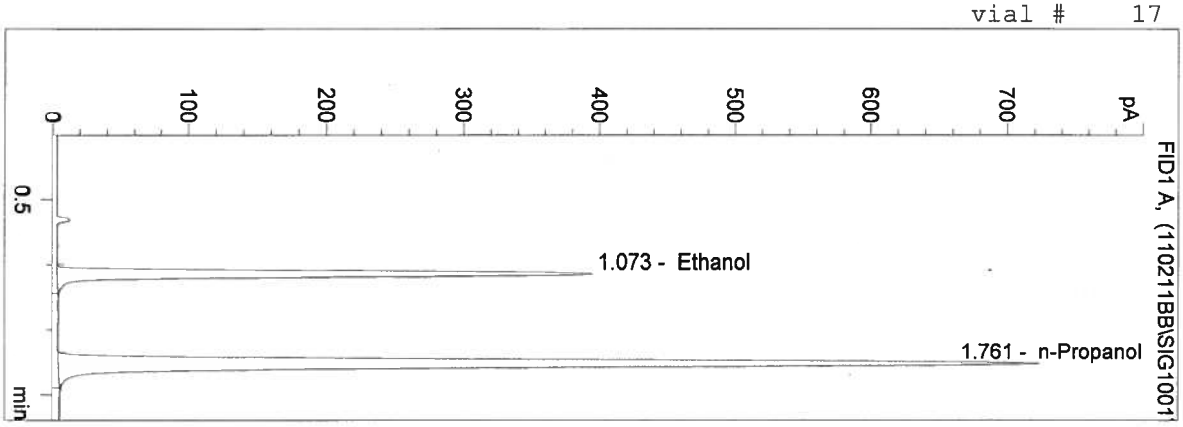
11005

WASHINGTON STATE TOXICOLOGY LABORATORY

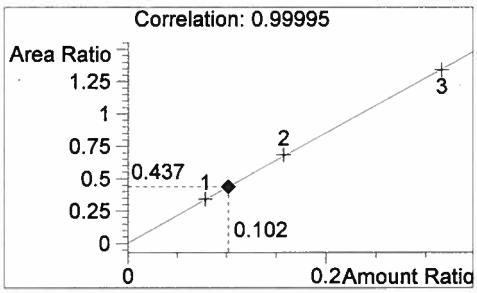
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:46:56 PM
Instrument 1
DB-ALC1

QAP0.08 11005 #1
Brittany Ball

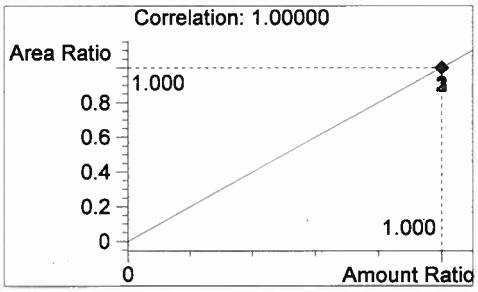
vial # 17



#	Compound	Area	RT
1	Ethanol	1257	1.073
2	n-Propanol	2875	1.761
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

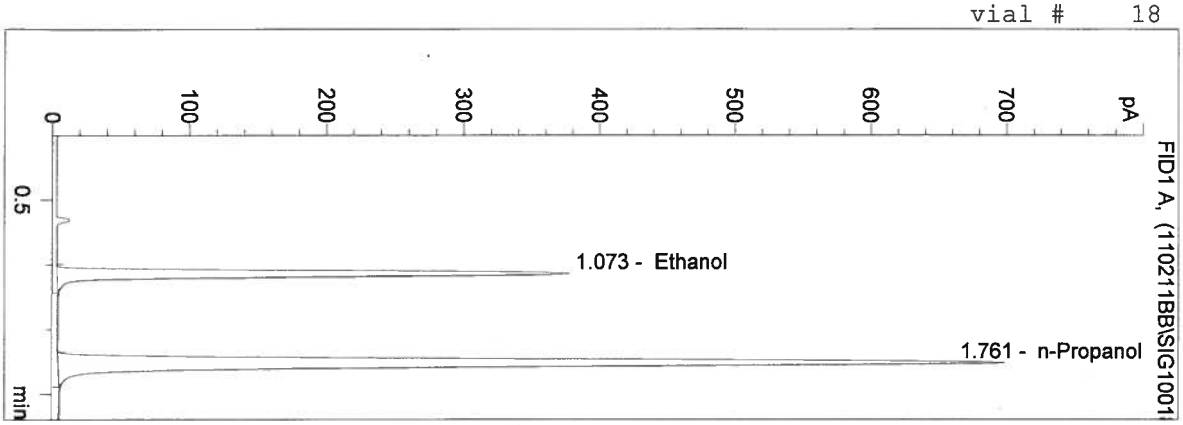
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

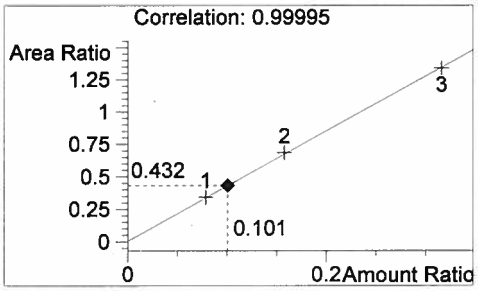
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:50:01 PM
Instrument 1
DB-ALC1

QAP0.08 11005 #2
Brittany Ball

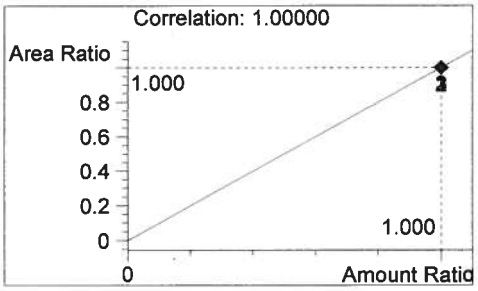
vial # 18



#	Compound	Area	RT
1	Ethanol	1197	1.073
2	n-Propanol	2770	1.761
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

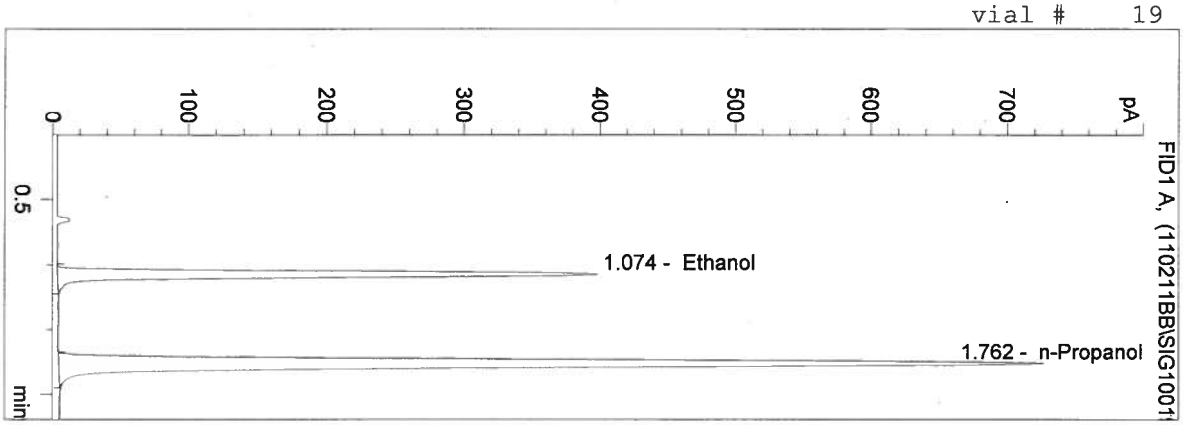
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

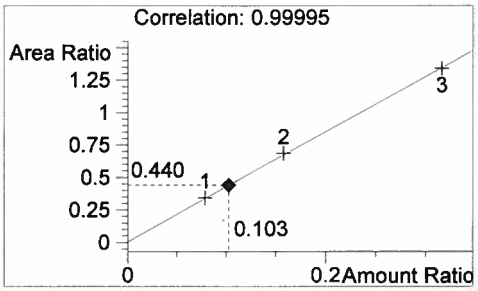
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:53:06 PM
Instrument 1
DB-ALC1

QAP0.08 11005 #3
Brittany Ball

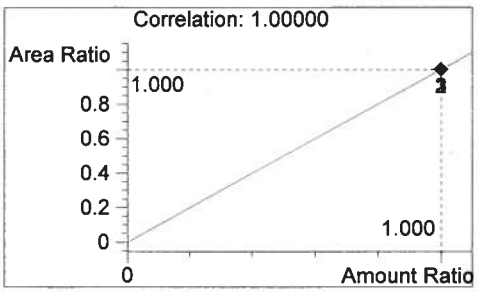
vial # 19



#	Compound	Area	RT
1	Ethanol	1276	1.074
2	n-Propanol	2899	1.762
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

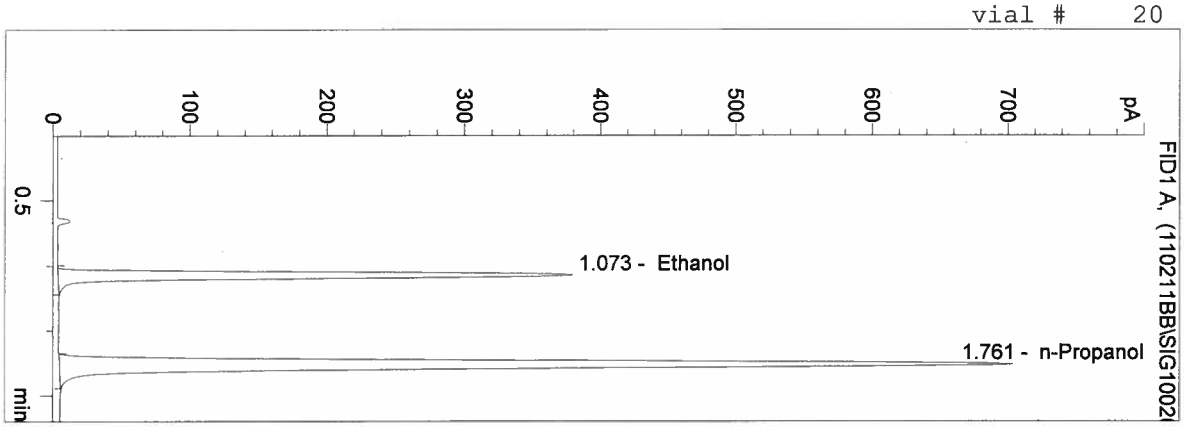
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

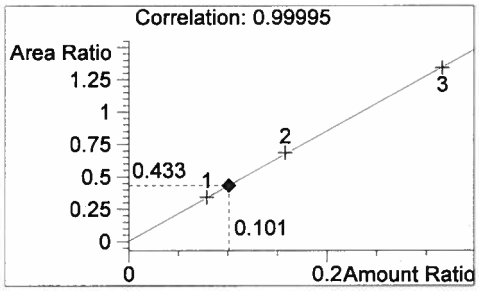
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:56:11 PM
Instrument 1
DB-ALC1

QAP0.08 11005 #4
Brittany Ball

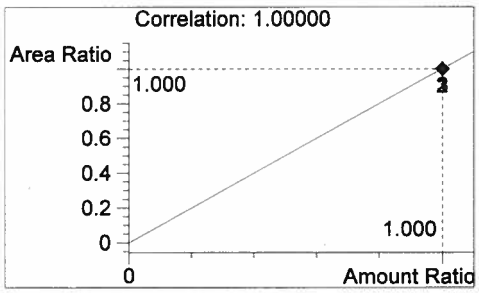
vial # 20



#	Compound	Area	RT
1	Ethanol	1211	1.073
2	n-Propanol	2797	1.761
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

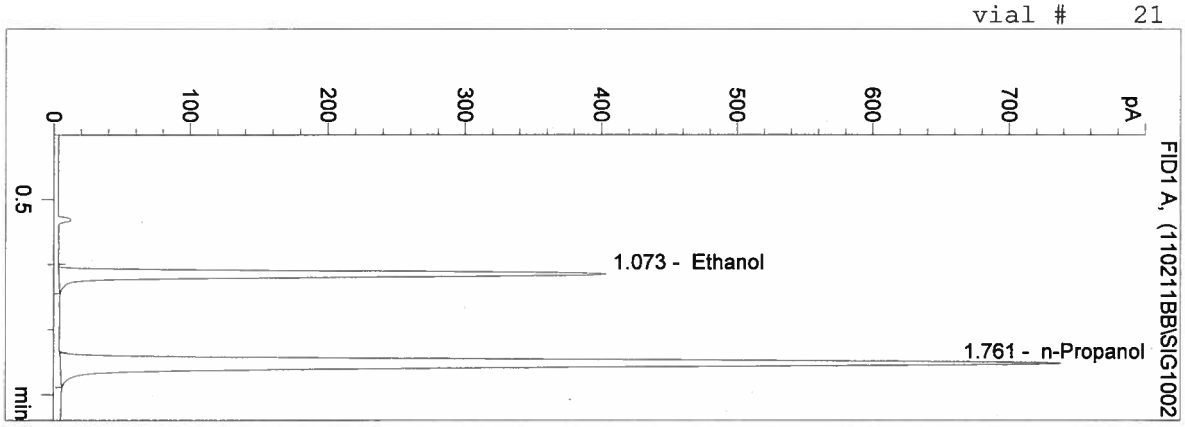
BB

WASHINGTON STATE TOXICOLOGY LABORATORY

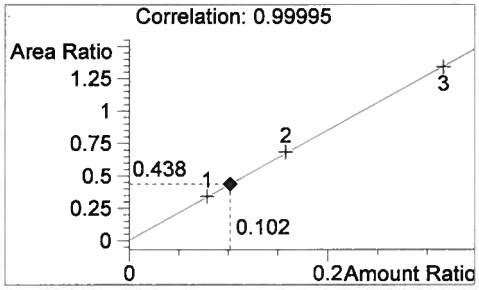
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 2:59:16 PM
Instrument 1
DB-ALC1

QAP0.08 11005 #5
Brittany Ball

vial # 21

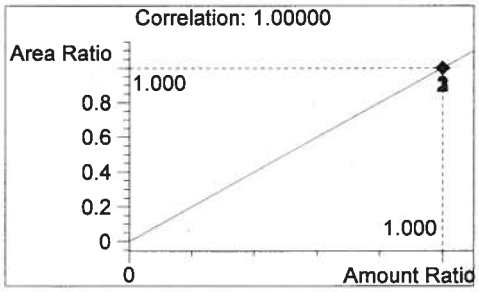


#	Compound	Area	RT
1	Ethanol	1285	1.073
2	n-Propanol	2933	1.761
Tot			



Ethanol 0.102 g/100 mL

BB



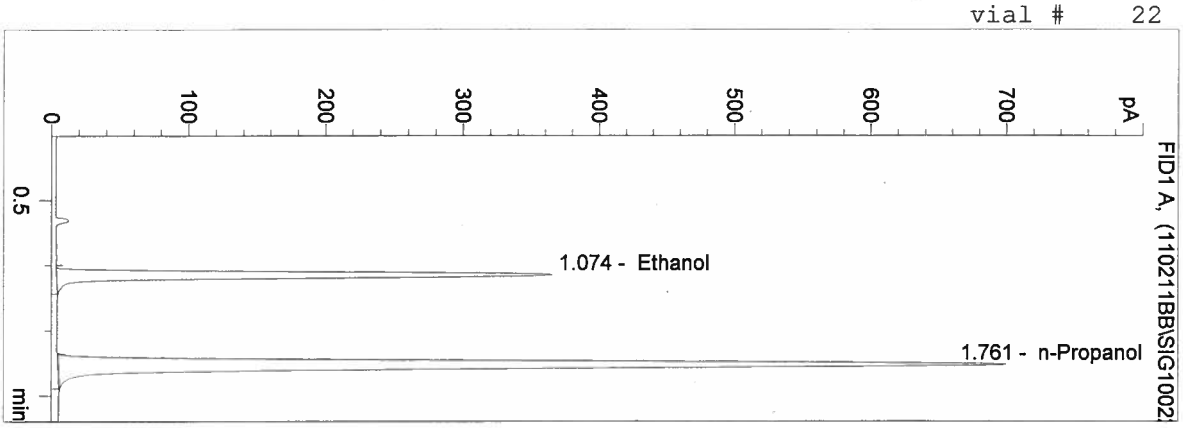
n-Propanol 1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

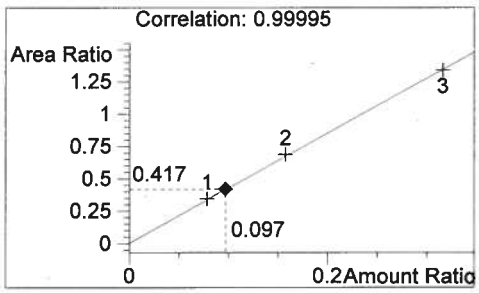
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 3:02:20 PM
Instrument 1
DB-ALC1

0.10 CTRL-BB
Brittany Ball

vial # 22

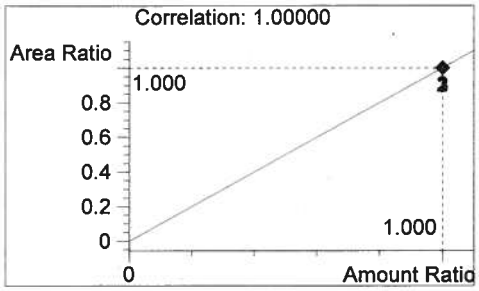


#	Compound	Area	RT
1	Ethanol	1162	1.074
2	n-Propanol	2786	1.761
Tot			



Ethanol 0.097 g/100 mL

BB



n-Propanol 1.000 g/100 mL

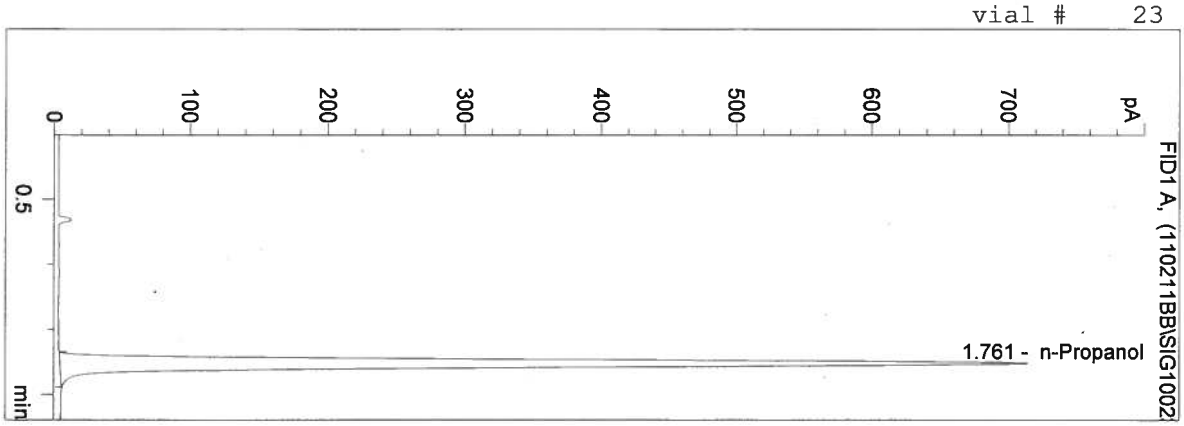
11005

WASHINGTON STATE TOXICOLOGY LABORATORY

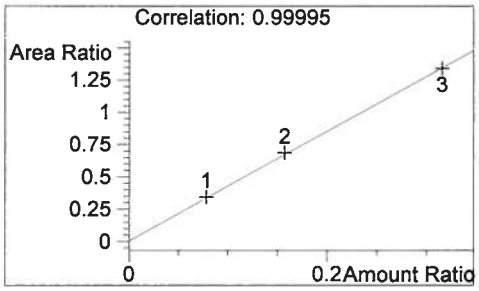
C:\HPCHEM\1\METHODS\SIMALC1.M
2/11/2011 3:05:25 PM
Instrument 1
DB-ALC1

NEG CTRL-BB
Brittany Ball

vial # 23

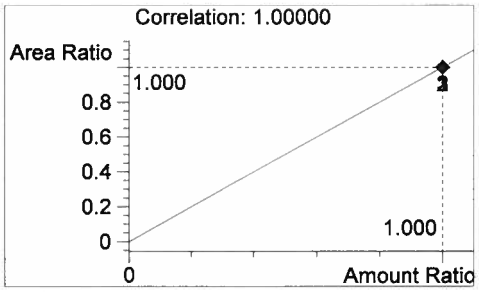


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2849	1.761
Tot			



Ethanol 0.000 g/100 mL

BB



n-Propanol 1.000 g/100 mL

11005

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\1\DATA\
Data Subdirectory:	110214BP
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	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BP	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BP	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
10	Vial 10	QA11004-1	SIMALC1	1	Sample		
11	Vial 11	QA11004-2	SIMALC1	1	Sample		
12	Vial 12	QA11004-3	SIMALC1	1	Sample		
13	Vial 13	QA11004-4	SIMALC1	1	Sample		
14	Vial 14	QA11004-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
17	Vial 17	QA11005-1	SIMALC1	1	Sample		
18	Vial 18	QA11005-2	SIMALC1	1	Sample		
19	Vial 19	QA11005-3	SIMALC1	1	Sample		
20	Vial 20	QA11005-4	SIMALC1	1	Sample		
21	Vial 21	QA11005-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
24	Vial 24	QA11006-1	SIMALC1	1	Sample		
25	Vial 25	QA11006-2	SIMALC1	1	Sample		
26	Vial 26	QA11006-3	SIMALC1	1	Sample		
27	Vial 27	QA11006-4	SIMALC1	1	Sample		
28	Vial 28	QA11006-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL BP	SIMALC1	1	Ctrl Samp		
31	Vial 31	QA11007-1	SIMALC1	1	Sample		
32	Vial 32	QA11007-2	SIMALC1	1	Sample		

~~11004~~
3.15.11
11005
11006
11007
BP

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QA11007-3	SIMALC1	1	Sample		
34	Vial 34	QA11007-4	SIMALC1	1	Sample		
35	Vial 35	QA11007-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL BP	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL BP	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

MP 3.15.11

~~11004~~

11005

11006

11007

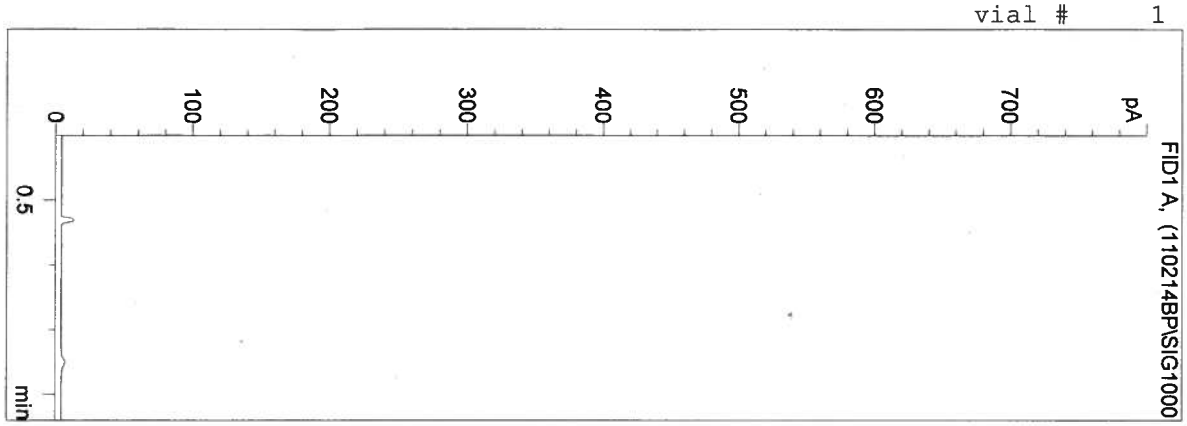
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

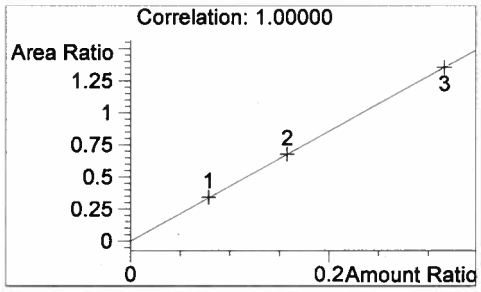
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 9:54:34 AM
Instrument 1
DB-ALC1

BLANK
Brianna Peterson

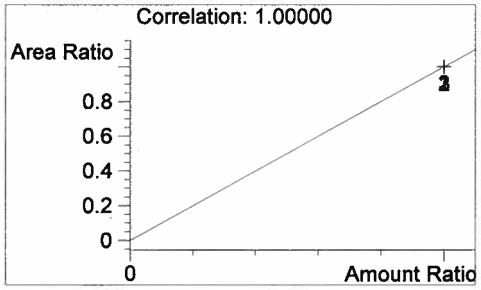
vial # 1



#	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

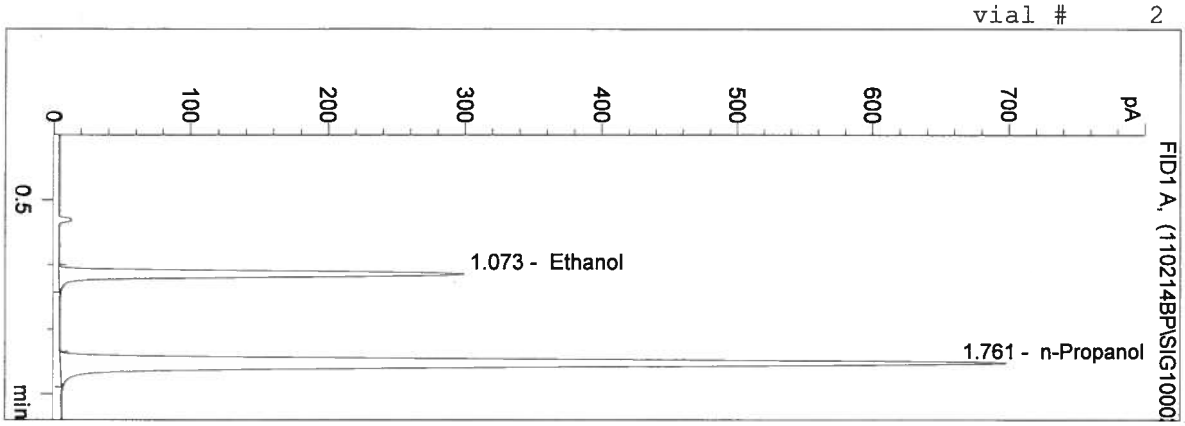
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

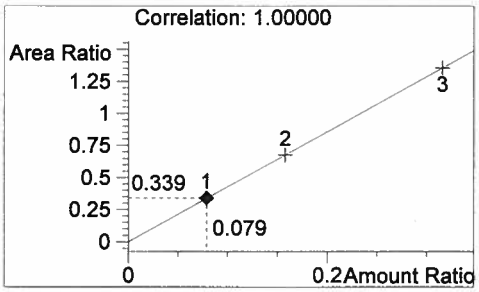
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 9:57:39 AM
Instrument 1
DB-ALC1

0.079 CAL 1
Brianna Peterson

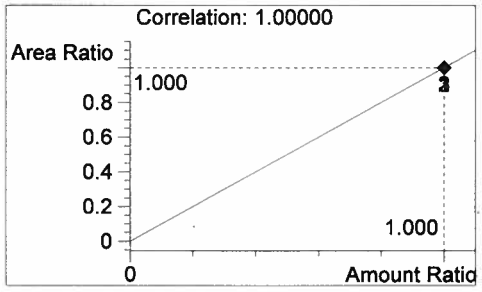
vial # 2



#	Compound	Area	RT
1	Ethanol	942	1.073
2	n-Propanol	2775	1.761
Tot			



Ethanol 0.079 g/100 mL



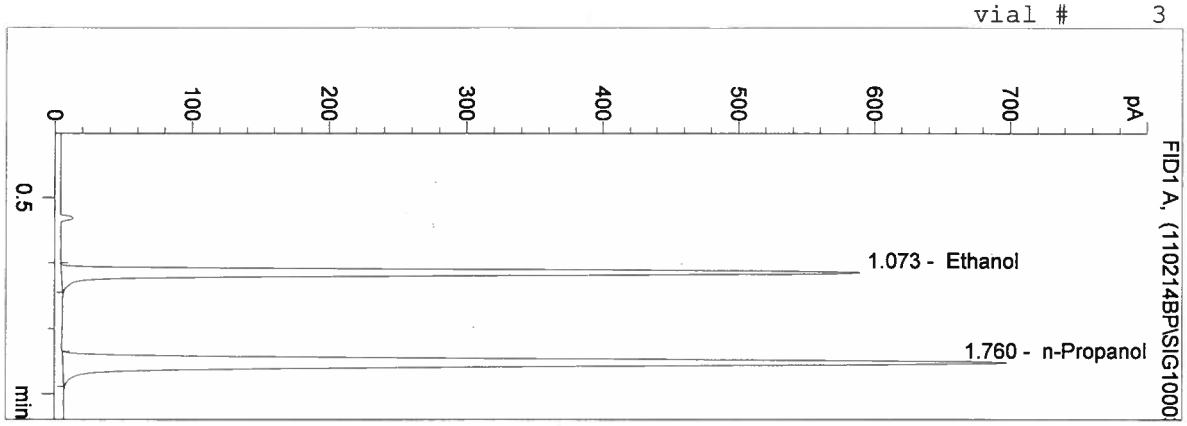
n-Propanol 1.000 g/100 mL

11005
11006
11007

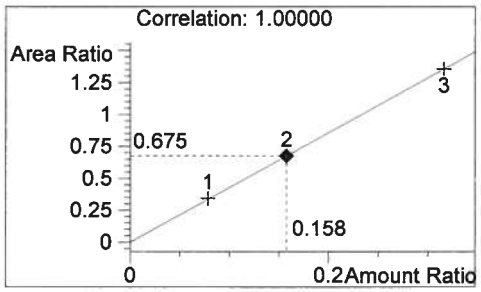
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:00:44 AM
Instrument 1
DB-ALC1

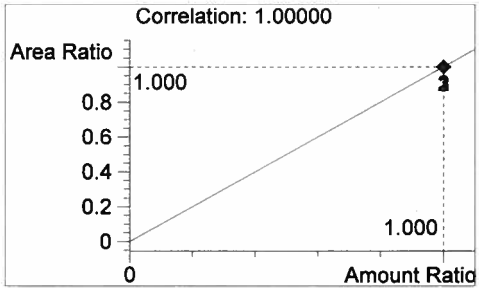
0.158 CAL 2
Brianna Peterson
vial # 3



#	Compound	Area	RT
1	Ethanol	1863	1.073
2	n-Propanol	2760	1.760
Tot			



Ethanol 0.158 g/100 mL



n-Propanol 1.000 g/100 mL

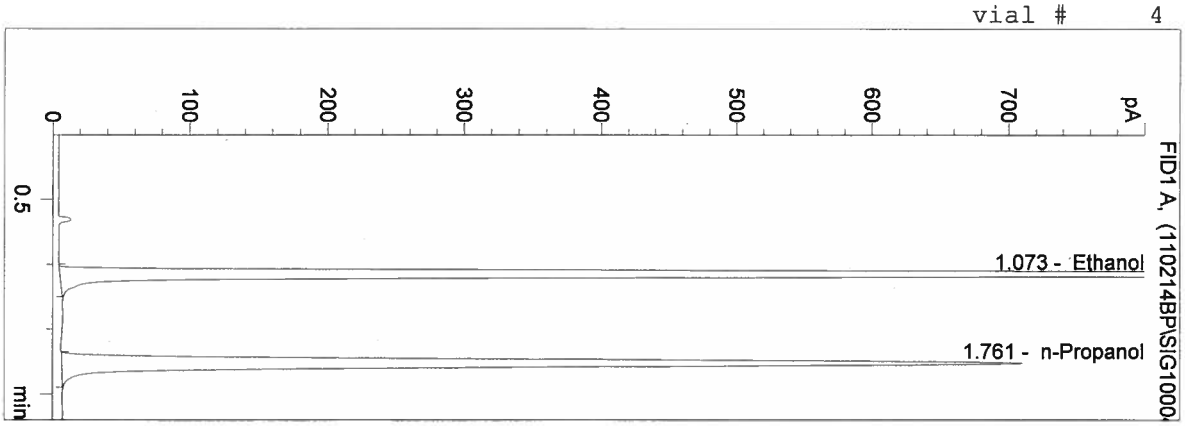
11005
11006
11007
BS

WASHINGTON STATE TOXICOLOGY LABORATORY

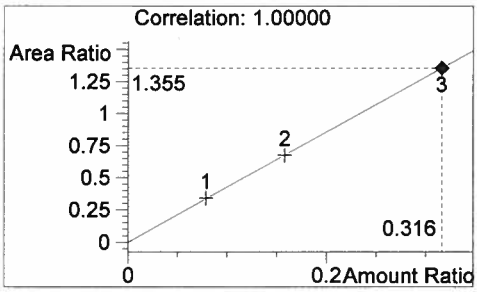
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:03:49 AM
Instrument 1
DB-ALC1

0.316 CAL 3
Brianna Peterson

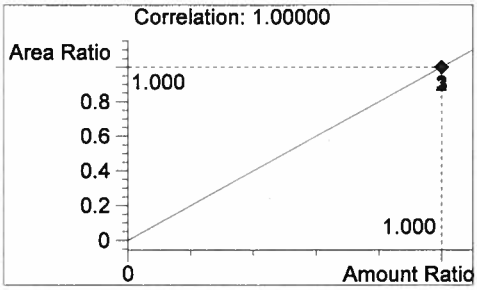
vial # 4



#	Compound	Area	RT
1	Ethanol	3806	1.073
2	n-Propanol	2810	1.761
Tot			



Ethanol 0.316 g/100 mL



n-Propanol 1.000 g/100 mL

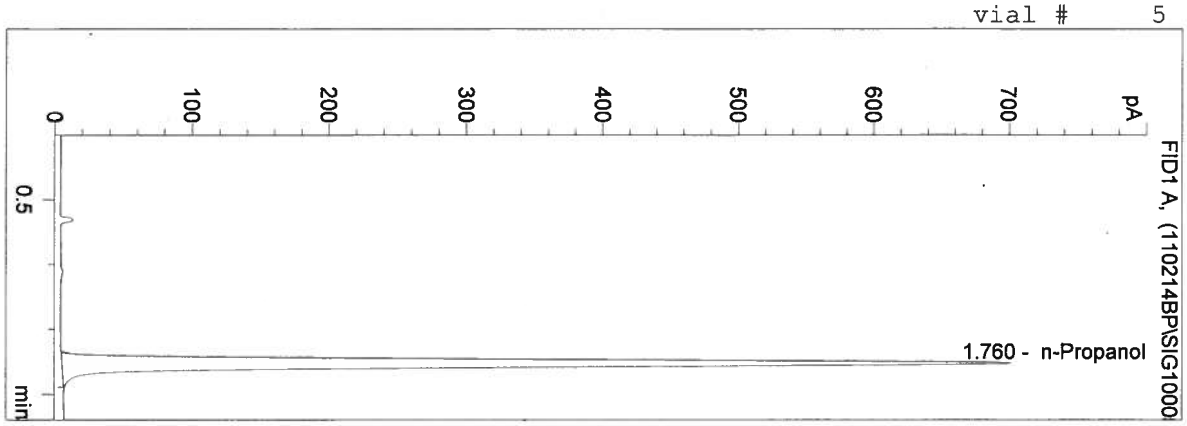
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

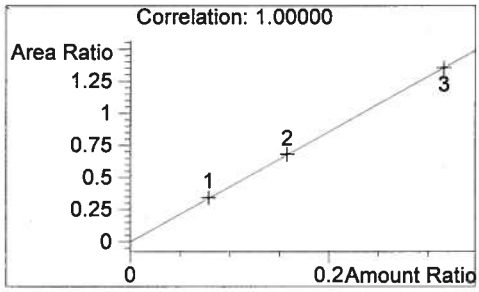
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:06:53 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

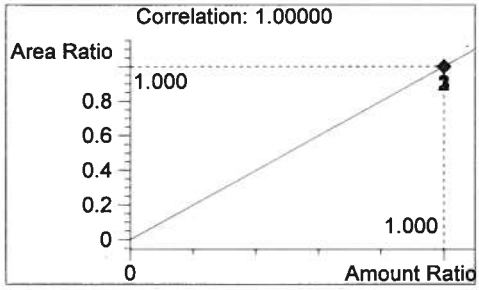
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2770	1.760
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

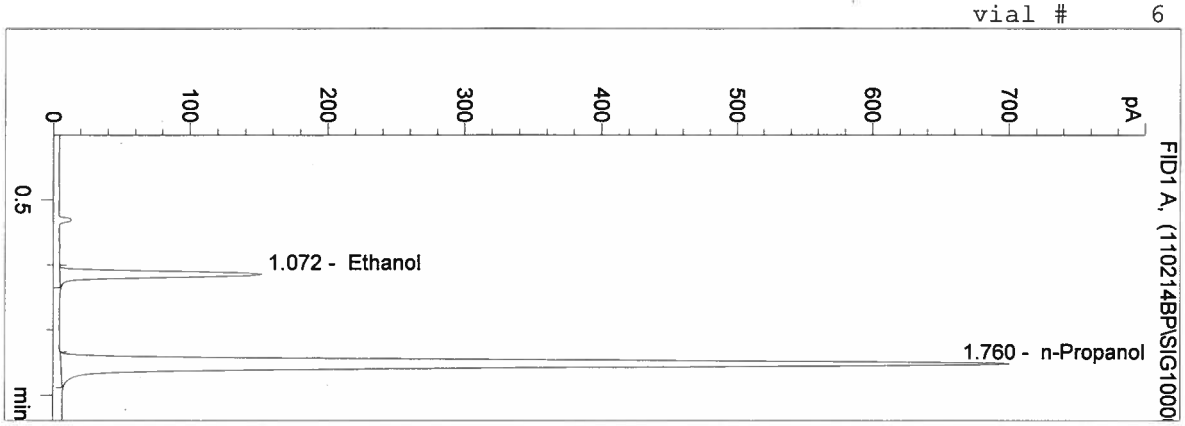
11005
11006
11007
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

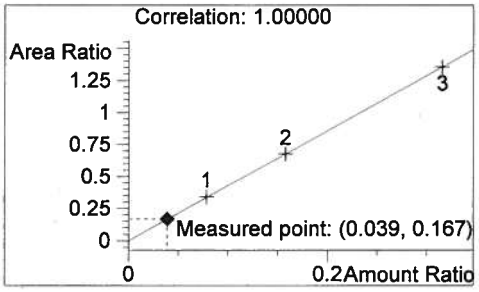
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:09:58 AM
Instrument 1
DB-ALC1

0.04 CTRL BP
Brianna Peterson

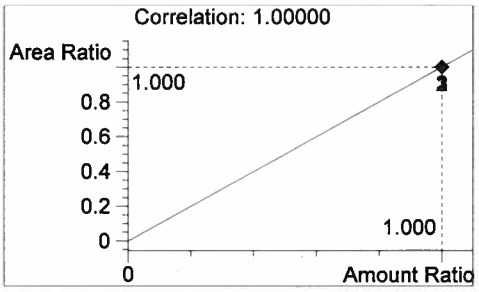
vial # 6



#	Compound	Area	RT
1	Ethanol	463	1.072
2	n-Propanol	2770	1.760
Tot			



Ethanol 0.039 g/100 mL



n-Propanol 1.000 g/100 mL

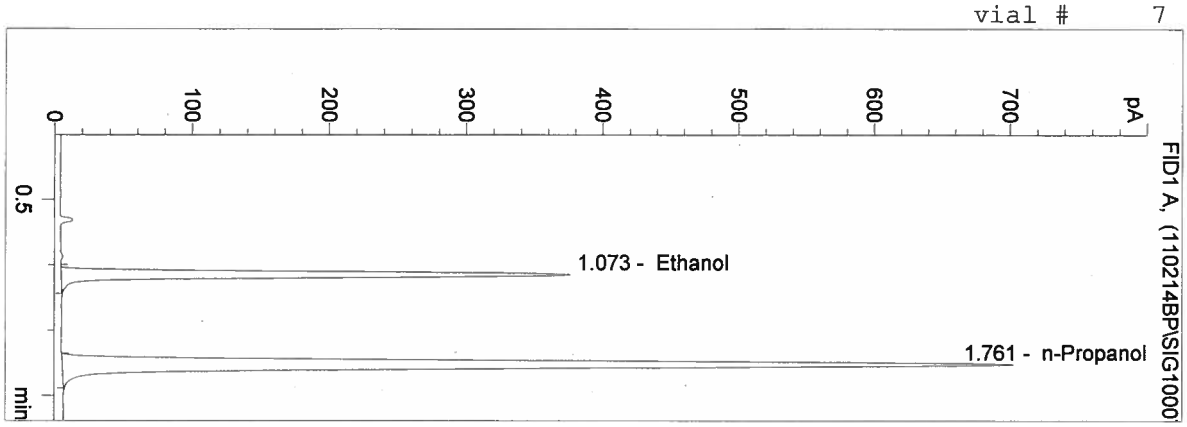
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

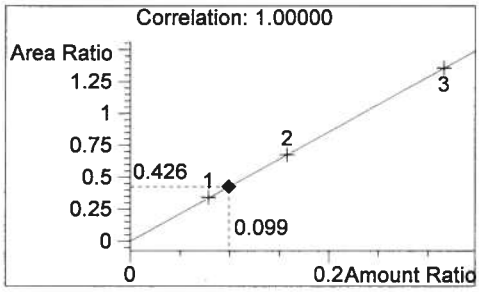
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:13:03 AM
Instrument 1
DB-ALC1

0.10 CTRL BP
Brianna Peterson

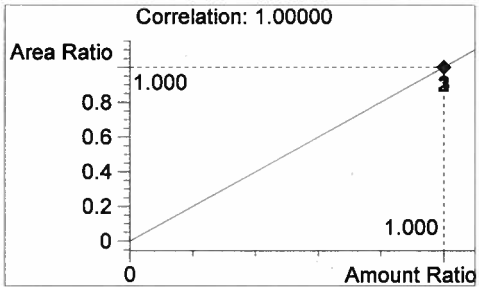
vial # 7



#	Compound	Area	RT
1	Ethanol	1184	1.073
2	n-Propanol	2782	1.761
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

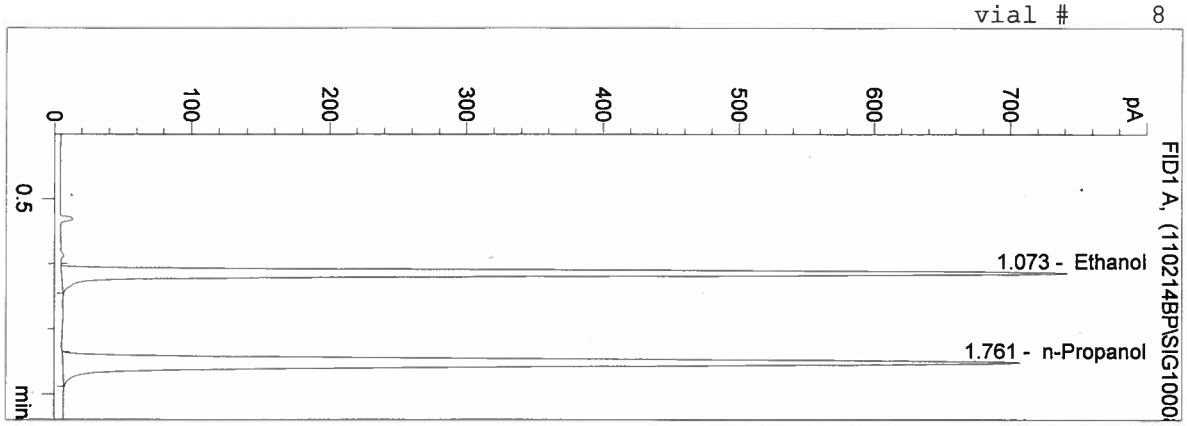
11005
11006
11007
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

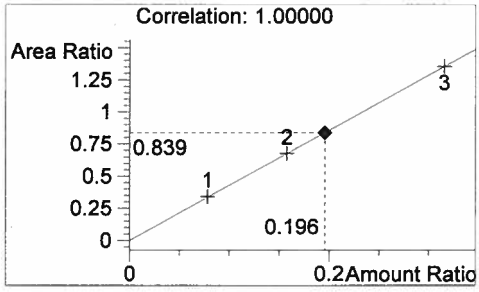
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:16:08 AM
Instrument 1
DB-ALC1

0.20 CTRL BP
Brianna Peterson

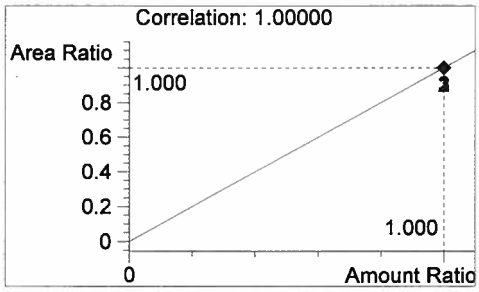
vial # 8



#	Compound	Area	RT
1	Ethanol	2346	1.073
2	n-Propanol	2798	1.761
Tot			



Ethanol 0.196 g/100 mL



n-Propanol 1.000 g/100 mL

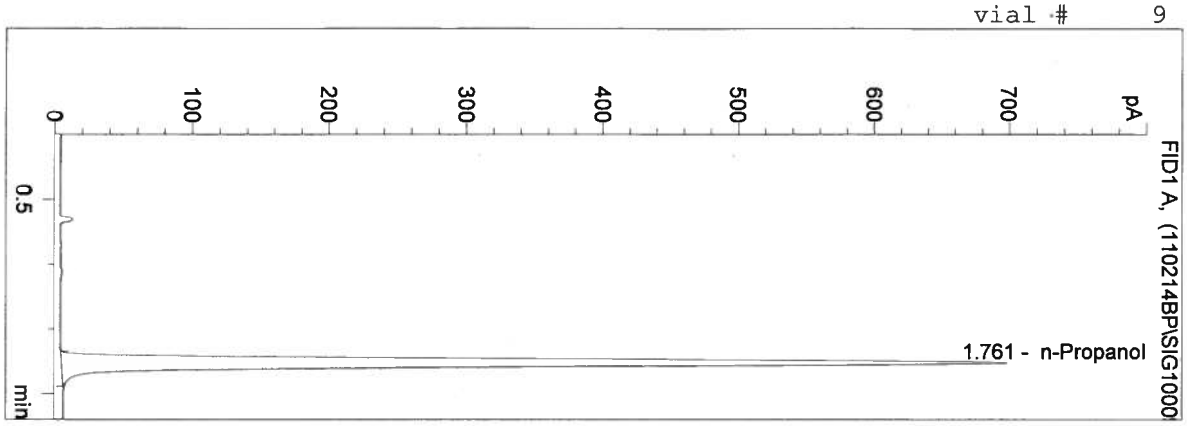
11005
11006
11007
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

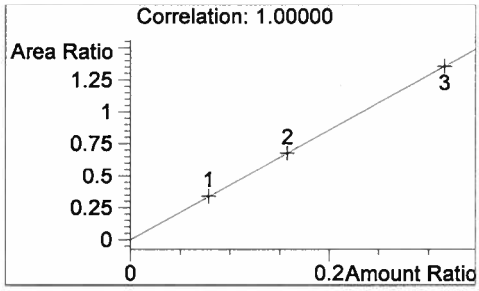
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:19:12 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

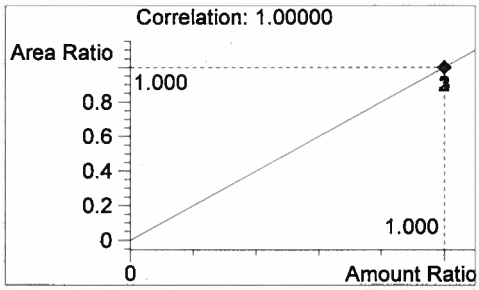
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2762	1.761
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

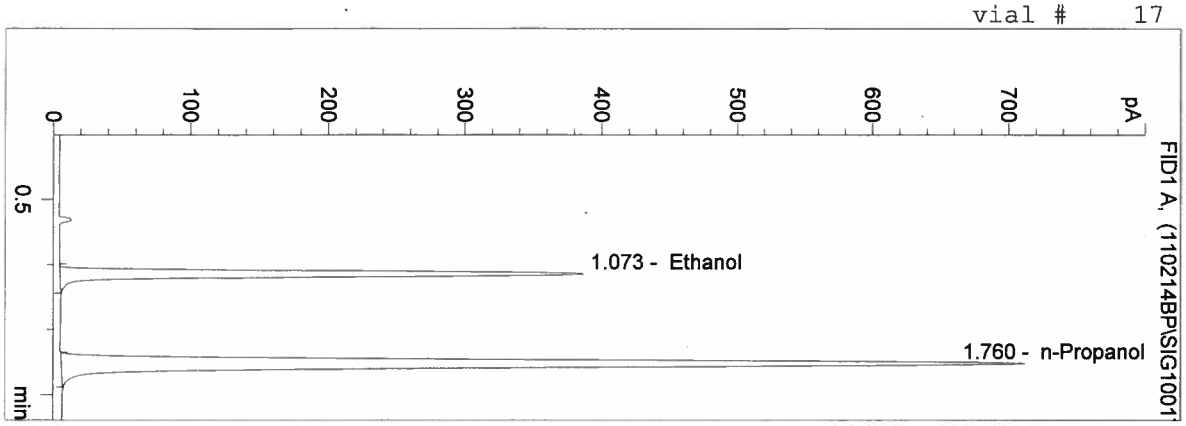
11005
11006
11007

WASHINGTON STATE TOXICOLOGY LABORATORY

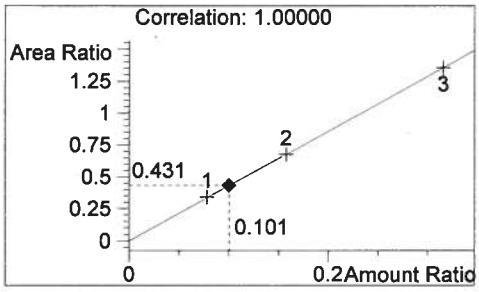
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:43:50 AM
Instrument 1
DB-ALC1

QA11005-1
Brianna Peterson

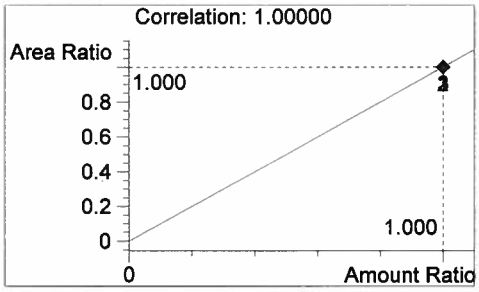
vial # 17



#	Compound	Area	RT
1	Ethanol	1210	1.073
2	n-Propanol	2808	1.760
Tot			



Ethanol 0.101 g/100 mL



n-Propanol 1.000 g/100 mL

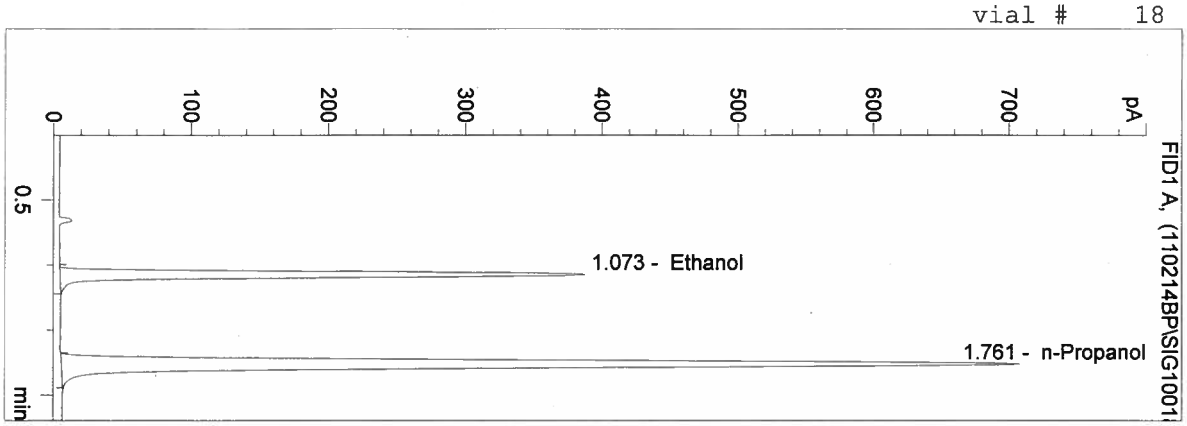
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

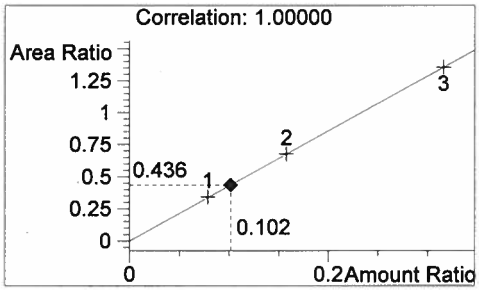
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:46:55 AM
Instrument 1
DB-ALC1

QA11005-2
Brianna Peterson

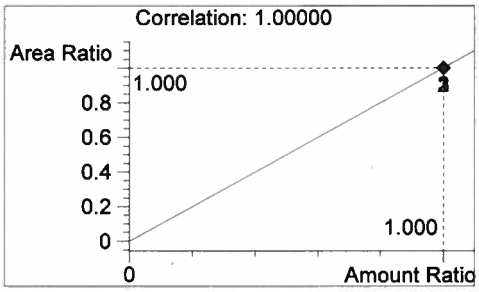
vial # 18



#	Compound	Area	RT
1	Ethanol	1218	1.073
2	n-Propanol	2796	1.761
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

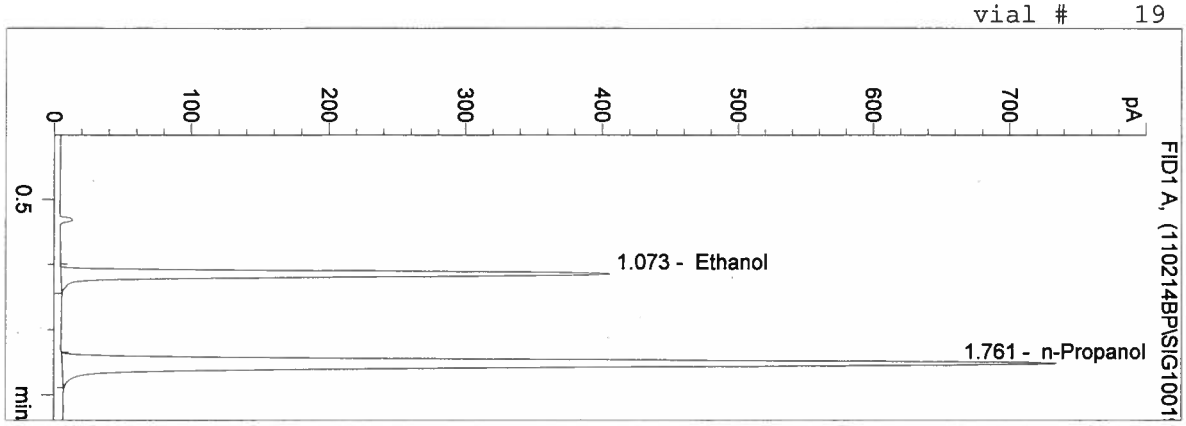
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

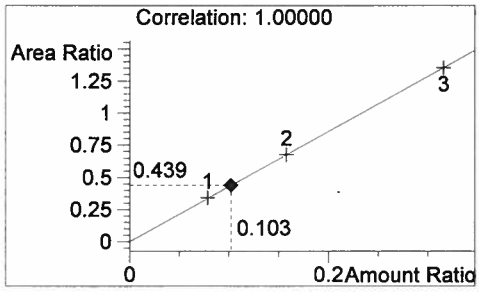
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:50:00 AM
Instrument 1
DB-ALC1

QA11005-3
Brianna Peterson

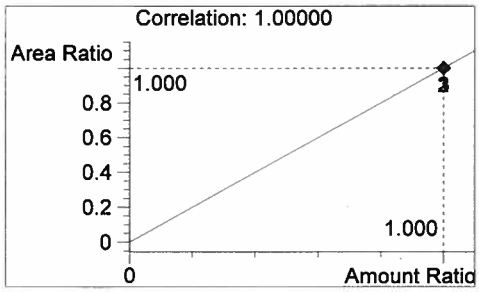
vial # 19



#	Compound	Area	RT
1	Ethanol	1276	1.073
2	n-Propanol	2906	1.761
Tot			



Ethanol 0.103 g/100 mL



n-Propanol 1.000 g/100 mL

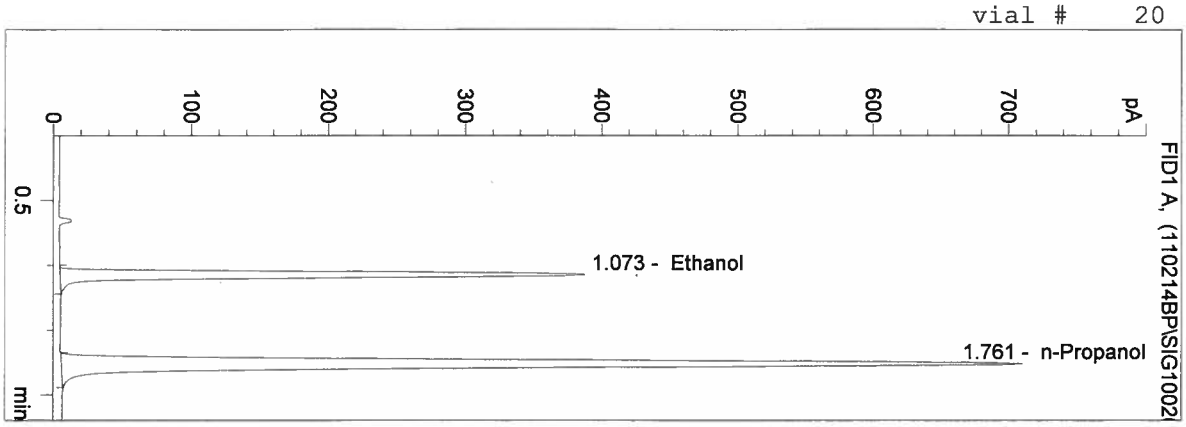
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

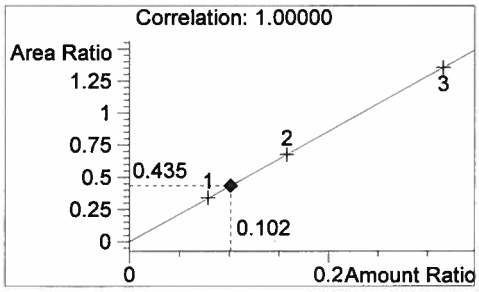
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:53:05 AM
Instrument 1
DB-ALC1

QA11005-4
Brianna Peterson

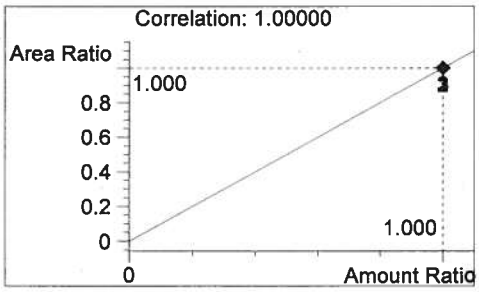
vial # 20



#	Compound	Area	RT
1	Ethanol	1219	1.073
2	n-Propanol	2803	1.761
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

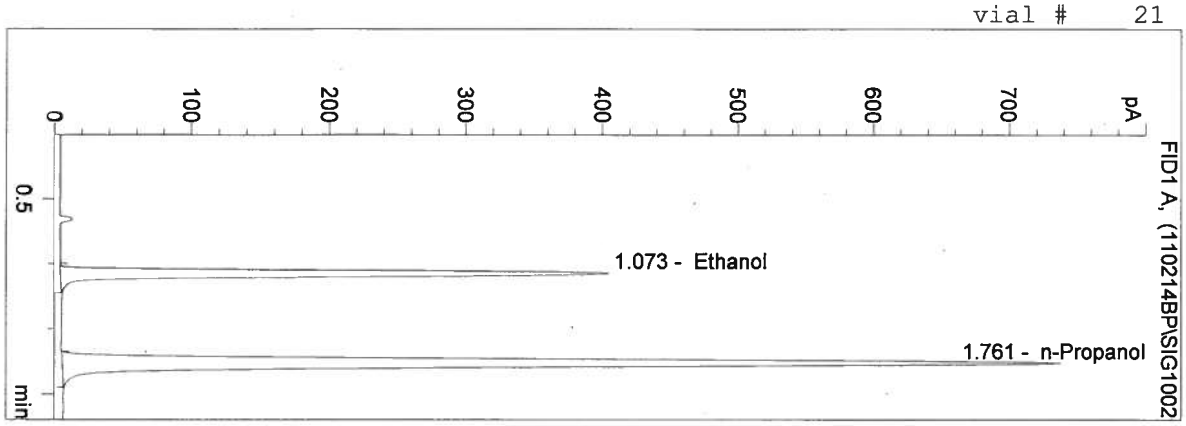
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

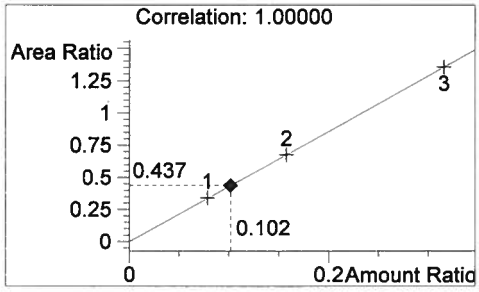
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:56:09 AM
Instrument 1
DB-ALC1

QA11005-5
Brianna Peterson

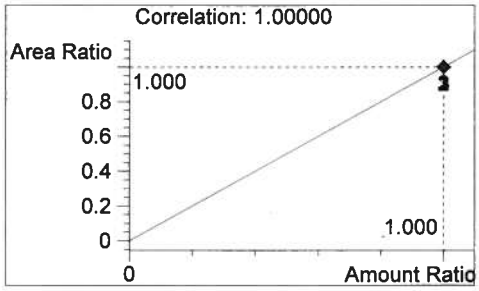
vial # 21



#	Compound	Area	RT
1	Ethanol	1272	1.073
2	n-Propanol	2912	1.761
Tot			



Ethanol 0.102 g/100 mL



n-Propanol 1.000 g/100 mL

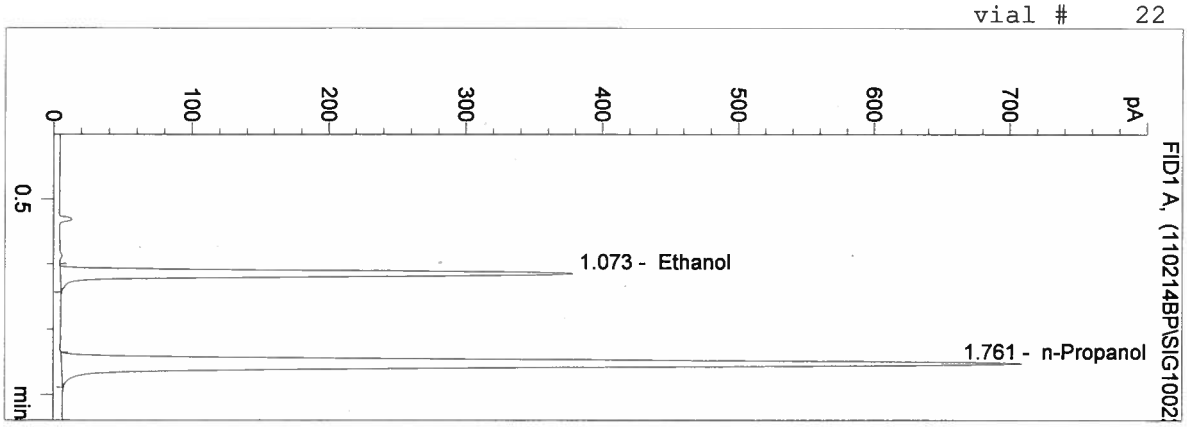
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

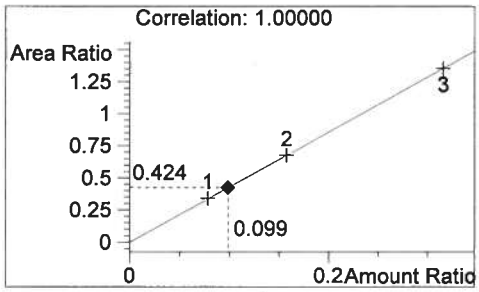
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 10:59:14 AM
Instrument 1
DB-ALC1

0.10 CTRL BP
Brianna Peterson

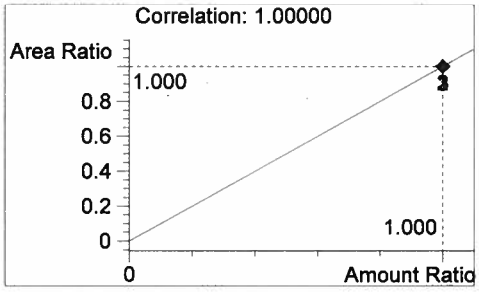
vial # 22



#	Compound	Area	RT
1	Ethanol	1188	1.073
2	n-Propanol	2803	1.761
Tot			



Ethanol 0.099 g/100 mL



n-Propanol 1.000 g/100 mL

11005

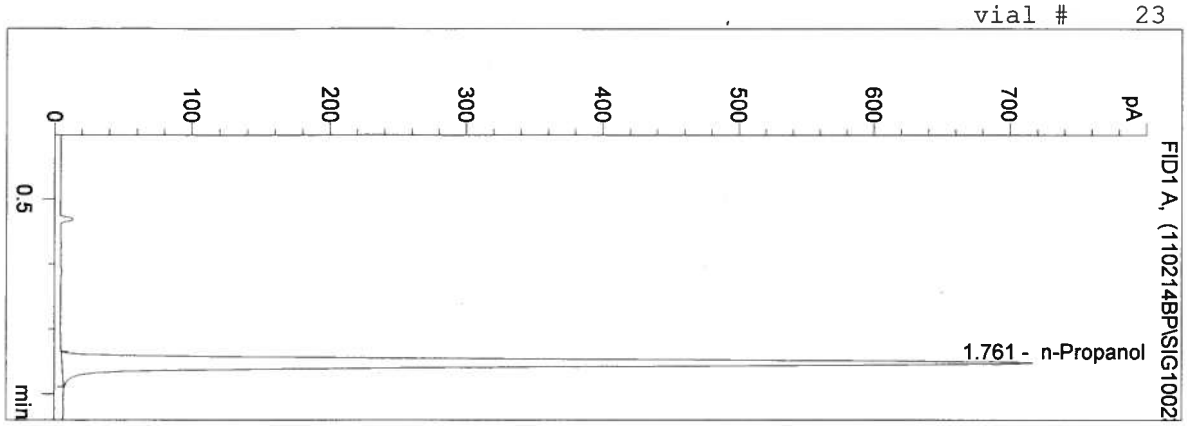
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

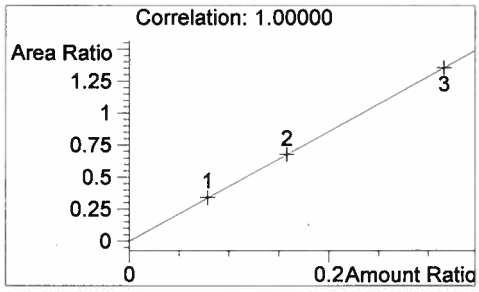
C:\HPCHEM\1\METHODS\SIMALC1.M
2/14/2011 11:02:19 AM
Instrument 1
DB-ALC1

NEG CTRL BP
Brianna Peterson

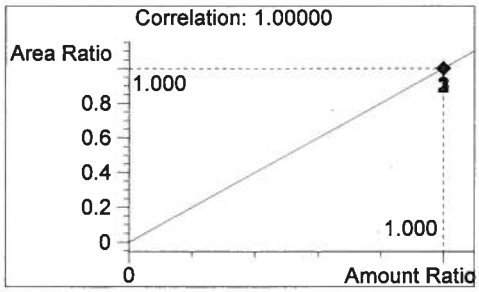
vial # 23



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2846	1.761
Tot			



Ethanol 0.000 g/100 mL



n-Propanol 1.000 g/100 mL

11005

BP

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 2/9/2011 Initials of Preparer: CM

Expiration Date: 2/9/2012

Lot # of 200-proof Ethanol used in preparation: ZQ0777

Date the 200-proof Ethanol bottle was opened: 2/8/2011

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

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	11004
QAP 0.08	22.4	18	☑	11005
QAP 0.10	28.1	18	☑	11006
QAP 0.15	42.0	18	☑	11007
ESS	66.5	52	☐	

Stir bar is rotating	☑
Stirred for minimum 30 minutes; 2 hours for ESS	☑
Spigot purged	☑
Aliquot taken	☑
Batch labeled, packaged and sealed	☑

2/9/2011
Date

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

Comments:

Analyst Signature

2/9/2011
Date