

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: GULLBERG/VRANISH Date: 11-3-10


Location: TOX LAB Solution Batch Number: 10052

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

Comments:

Reviewer Signature: 

Date: 11-3-2010

Reviewer Signature: 

Date: 11-3-10

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

**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 10052

**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: 0.10 g/210L  
DATE PREPARED: 10/19/2010  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Asa Louis

	AJL	RF	JLK
1	0.121	0.122	0.122
2	0.122	0.125	0.125
3	0.121	0.124	0.123
4	0.123	0.123	0.124
5	0.121	0.125	0.124
C	0.097	0.100	0.099

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1230 g/100mL      PRECISION CV (%): 1.19  
STANDARD DEVIATION: 0.00146      NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1000 g/210L

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

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

11-3-10  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis	<i>Asa J. Louis</i>	10/19/2010
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>	10/20/2010
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	10/22/2010

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.      Page 1 of 1

Washington State Patrol - Toxicology Laboratory Division  
 QAP Test Report Calculation Record

QAP Solution Batch #: 10052 Date Prepared: 10/19/2010

Analyst:	AJL	RF	JLK
Date Tested:	10/19/2010	10/20/2010	10/22/2010
Instrument:	HS#1	HS#1	HS#1
1	0.121	0.122	0.122
2	0.122	0.125	0.125
3	0.121	0.124	0.123
4	0.123	0.123	0.124
5	0.121	0.125	0.124
C	0.097	0.100	0.099

CV <sup>2</sup> COA	CV <sup>2</sup> QAP Solution	CV <sup>2</sup> Control	CV <sup>2</sup> Bias	CV <sup>2</sup> Part Coef
0.0000084100	0.0000094426	0.0000798941	0.0003000000	0.0001016326

Ethanol Control Lot #: A071132  
 Control Uncertainty (%): 0.29  
 Maximum (-) Control Bias: 0.003  
 Maximum (+) Control Bias: 0.000

Average Solution Concentration: 0.1230 g/100mL  
 Standard Deviation: 0.00146 g/100mL  
 Precision CV (%): 1.19  
 Equivalent Vapor Concentration: 0.1000 g/210L  
 Combined Standard Uncertainty (±): 0.0022 g/210L

Calculations performed by: Melissa Kimberston Date: 10-26-10

Calculations verified by: ROA G Guerson Signature: [Signature] Date: 11-3-2010  
 Signature: [Signature] Method: BY COA

Tech. review performed by: Melissa Kimberston Signature: [Signature] Date: 11-3-10  
 Signature: [Signature]

**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
<b>Amanda Black</b>		
<b>Asa Louis</b>	<i>AL</i>	20101029
<b>Brian Capron</b>		
<b>Brianna Peterson</b>		
<b>Brianne O'Reilly</b>		
<b>Brittany Ball</b>		
<b>Christie Mitchell</b>		
<b>Christopher Johnston</b>		
<b>Dawn Cox</b>		
<b>Justin Knoy</b>	<i>JK</i>	10.26.10
<b>Lisa Noble</b>		
<b>Melissa Pemberton</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>	RF	10-26-10
<b>Sarah Swenson</b>		

Batch # 1 0 0 5 2

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 0.10 QAP SOLUTION  
CERTIFICATION FOR LOT 10052**

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The gap solution, Lot Number 10052, was prepared in the Washington State Toxicology Laboratory on 10/19/2010. 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 10/19/2011.

Seattle, WA

 20101027

Asa J. Louis

Date

Forensic Toxicologist

AJL/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 0.10 QAP SOLUTION  
CERTIFICATION FOR LOT 10052**


I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The qap solution, Lot Number 10052, was prepared in the Washington State Toxicology Laboratory on 10/19/2010. 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 10/19/2011.

Seattle, WA

 10/26/10

Rebecca Flaherty

Date

Forensic Toxicologist

RF/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 0.10 QAP SOLUTION  
CERTIFICATION FOR LOT 10052**

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 10052, was prepared in the Washington State Toxicology Laboratory on 10/19/2010. 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 10/19/2011.

Seattle, WA

Justin L. Knoy

Forensic Toxicologist

Date

*Justin L. Knoy* 10-26-10

JLK/ik



Sequence Parameters:

Operator: asa louis

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: 101019A2

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 - al	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC	1	Ctrl Samp		
10	Vial 10	qap0.04 10050 #1	SIMALC	1	Sample		
11	Vial 11	qap0.04 10050 #2	SIMALC	1	Sample		
12	Vial 12	qap0.04 10050 #3	SIMALC	1	Sample		
13	Vial 13	qap0.04 10050 #4	SIMALC	1	Sample		
14	Vial 14	qap0.04 10050 #5	SIMALC	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC	1	Ctrl Samp		
17	Vial 17	qap0.08 10051 #1	SIMALC	1	Sample		
18	Vial 18	qap0.08 10051 #2	SIMALC	1	Sample		
19	Vial 19	qap0.08 10051 #3	SIMALC	1	Sample		
20	Vial 20	qap0.08 10051 #4	SIMALC	1	Sample		
21	Vial 21	qap0.08 10051 #5	SIMALC	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC	1	Ctrl Samp		
24	Vial 24	qap0.10 10052 #1	SIMALC	1	Sample		
25	Vial 25	qap0.10 10052 #2	SIMALC	1	Sample		
26	Vial 26	qap0.10 10052 #3	SIMALC	1	Sample		
27	Vial 27	qap0.10 10052 #4	SIMALC	1	Sample		
28	Vial 28	qap0.10 10052 #5	SIMALC	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC	1	Ctrl Samp		
31	Vial 31	qap0.15 10053 #1	SIMALC	1	Sample		
32	Vial 32	qap0.15 10053 #2	SIMALC	1	Sample		

*SINDS +QC  
with 10050*

*at  
2010 10 19*

*10052*

*at 2010 10 27*

*QAP 10052*



Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	qap0.15 10053 #3	SIMALC	1	Sample		
34	Vial 34	qap0.15 10053 #4	SIMALC	1	Sample		
35	Vial 35	qap0.15 10053 #5	SIMALC	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	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!

*AL 20101019*

**10052**

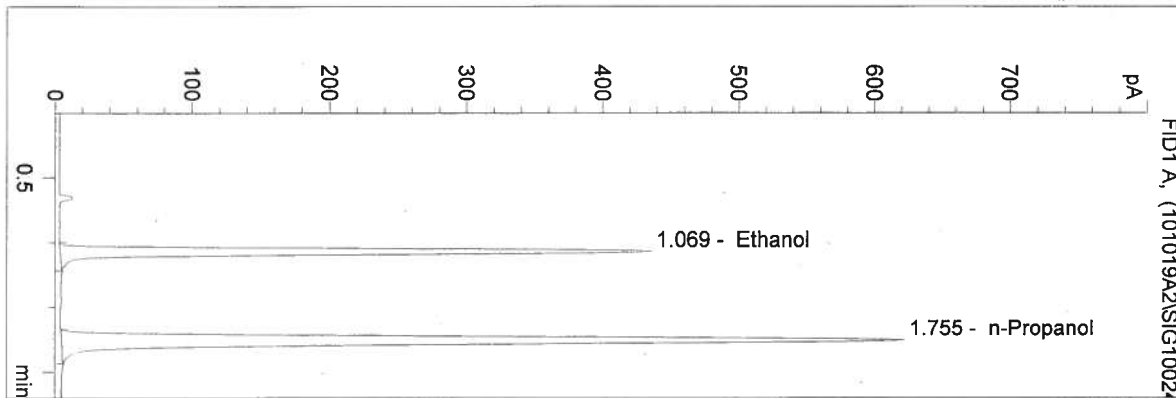
*AL 20101027*

*QAP 10052*

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 12:48:14 PM  
 Instrument 1  
 DB ALC 1

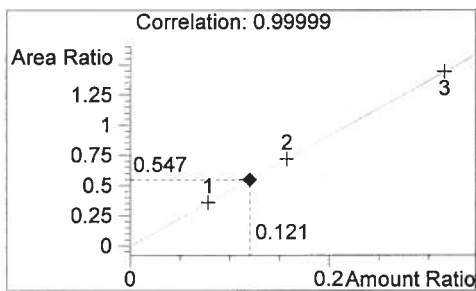
qap0.10 10052 #1  
 asa louis

vial # 24



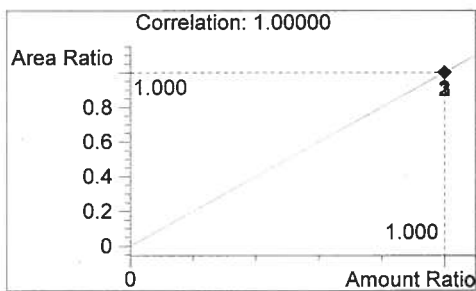
#	Compound	Area	RT
1	Ethanol	1337	1.069
2	n-Propanol	2443	1.755

Tot



Ethanol

0.121 g/100 mL



n-Propanol

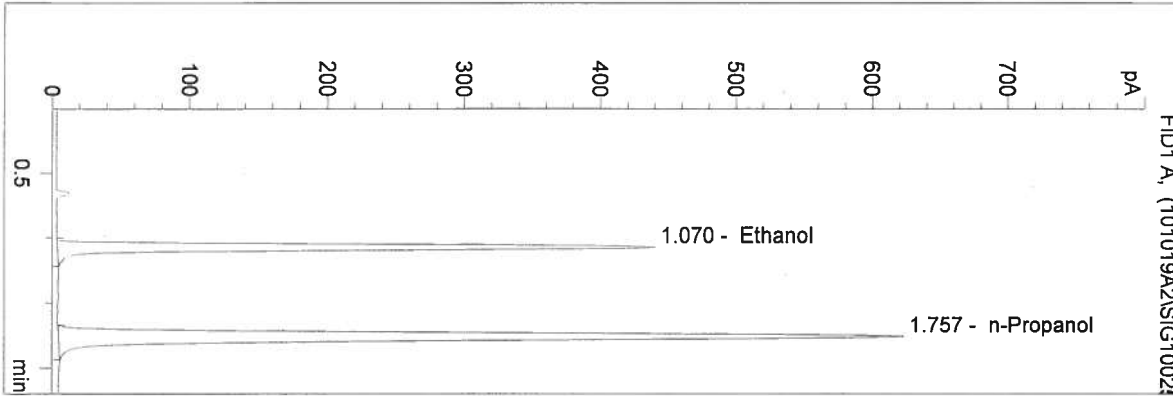
1.000 g/100 mL

AL  
 20101019  
 AL  
 20101027

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 12:51:19 PM  
 Instrument 1  
 DB ALC 1

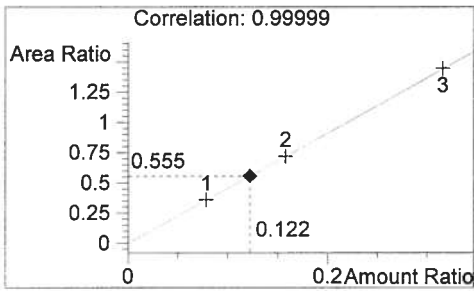
gap0.10 10052 #2  
 asa louis

vial # 25



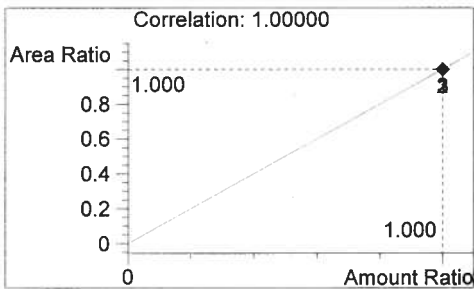
#	Compound	Area	RT
1	Ethanol	1358	1.070
2	n-Propanol	2447	1.757

Tot



Ethanol

0.122 g/100 mL



n-Propanol

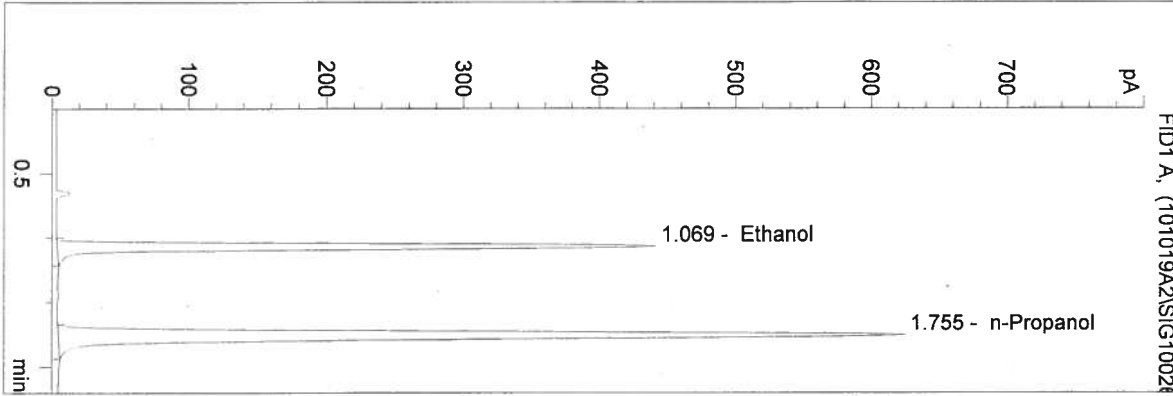
1.000 g/100 mL

*Handwritten:*  
 2010 10 19  
 2010 10 27

WASHINGTON STATE TOXICOLOGY LABORATORY

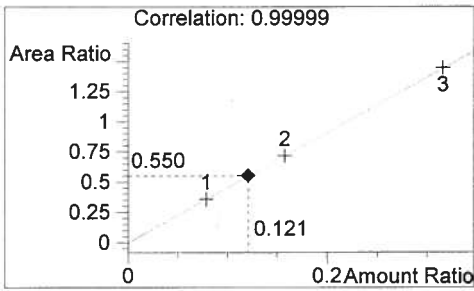
C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 12:54:24 PM  
 Instrument 1  
 DB ALC 1

gap0.10 10052 #3  
 asa louis  
 vial # 26



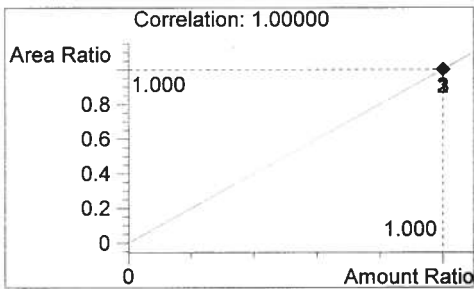
#	Compound	Area	RT
1	Ethanol	1347	1.069
2	n-Propanol	2450	1.755

Tot



Ethanol

0.121 g/100 mL



n-Propanol

1.000 g/100 mL

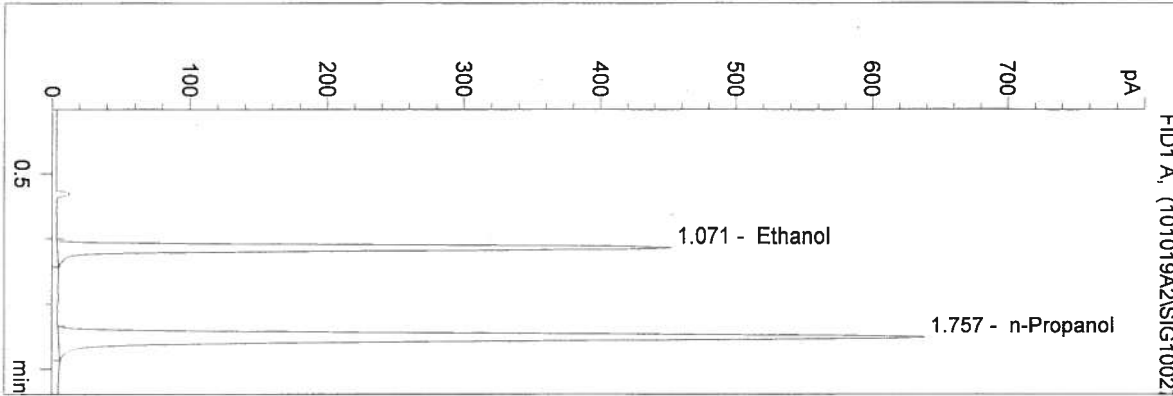
AL  
 20101019

AL  
 20101027

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 Instrument 1  
 DB ALC 1

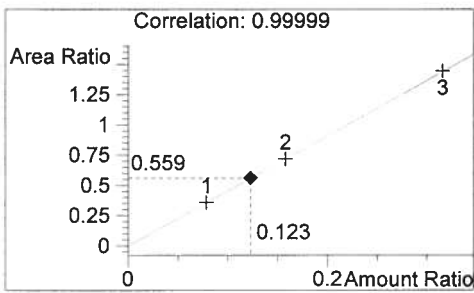
qap0.10 10052 #4  
 asa louis

vial # 27



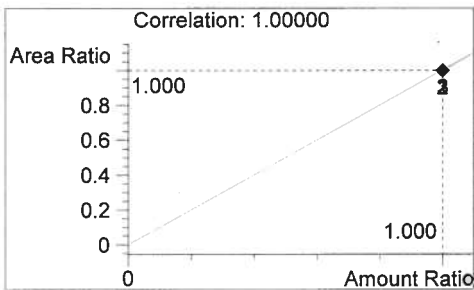
#	Compound	Area	RT
1	Ethanol	1403	1.071
2	n-Propanol	2510	1.757

Tot



Ethanol

0.123 g/100 mL



n-Propanol

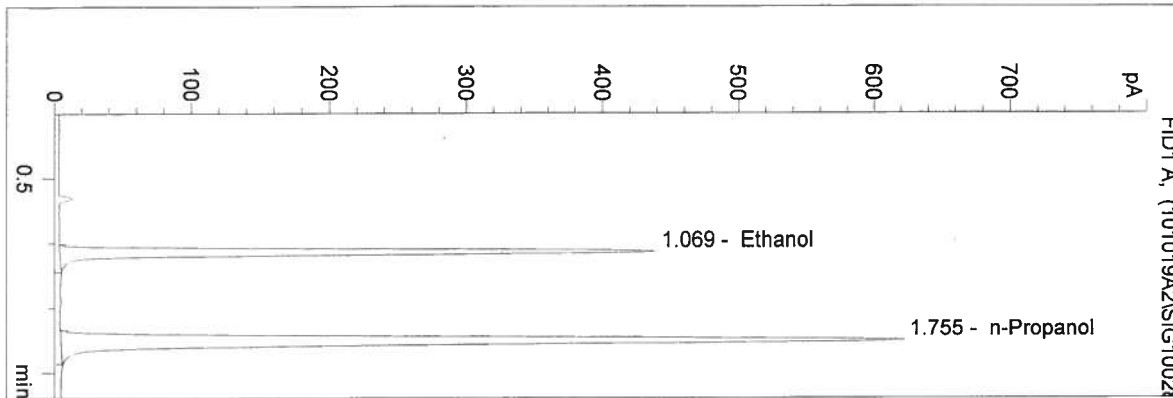
1.000 g/100 mL

A  
 20101019  
 A  
 20101027

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 1:00:33 PM  
 Instrument 1  
 DB ALC 1

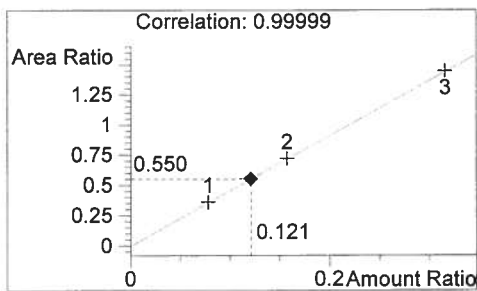
gap0.10 10052 #5  
 asa louis

vial # 28



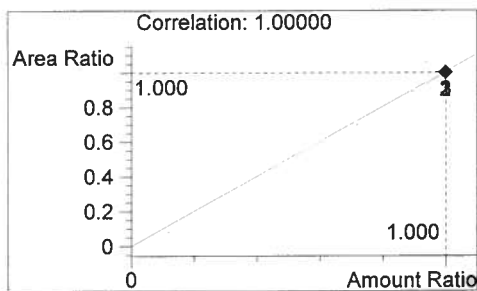
#	Compound	Area	RT
1	Ethanol	1345	1.069
2	n-Propanol	2445	1.755

Tot



Ethanol

0.121 g/100 mL



n-Propanol

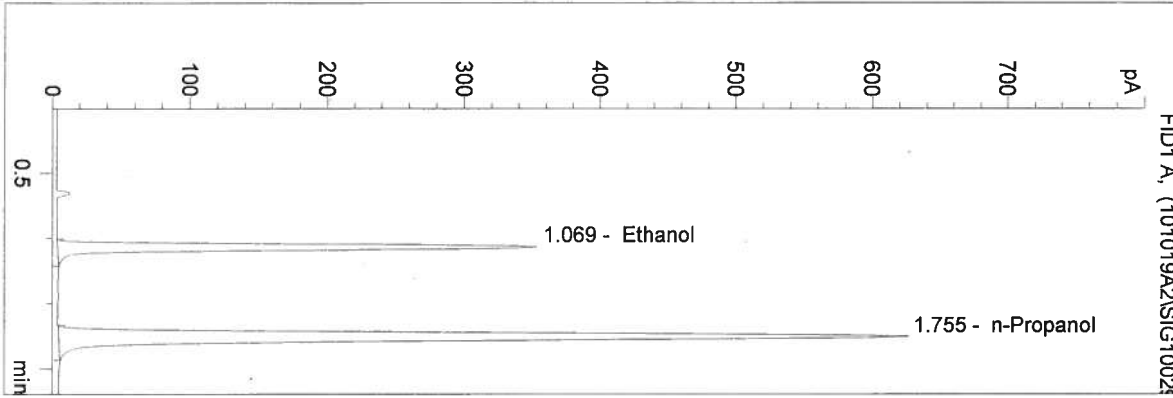
1.000 g/100 mL

X  
 20101019  
 A  
 20101027

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 1:03:38 PM  
 Instrument 1  
 DB ALC 1

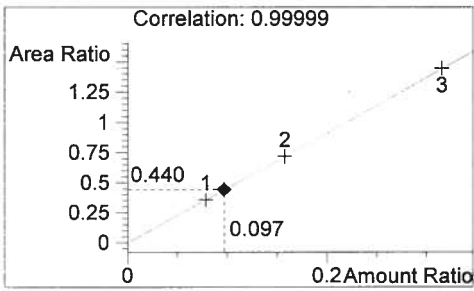
0.10 ctrl - al  
 asa louis

vial # 29



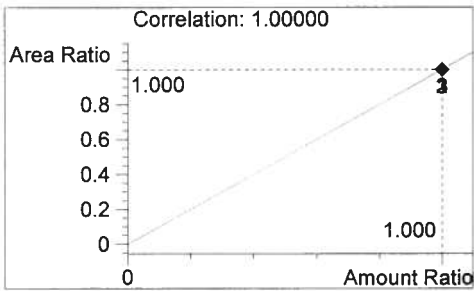
#	Compound	Area	RT
1	Ethanol	1080	1.069
2	n-Propanol	2454	1.755

Tot



Ethanol

0.097 g/100 mL



n-Propanol

1.000 g/100 mL

K  
 20101019

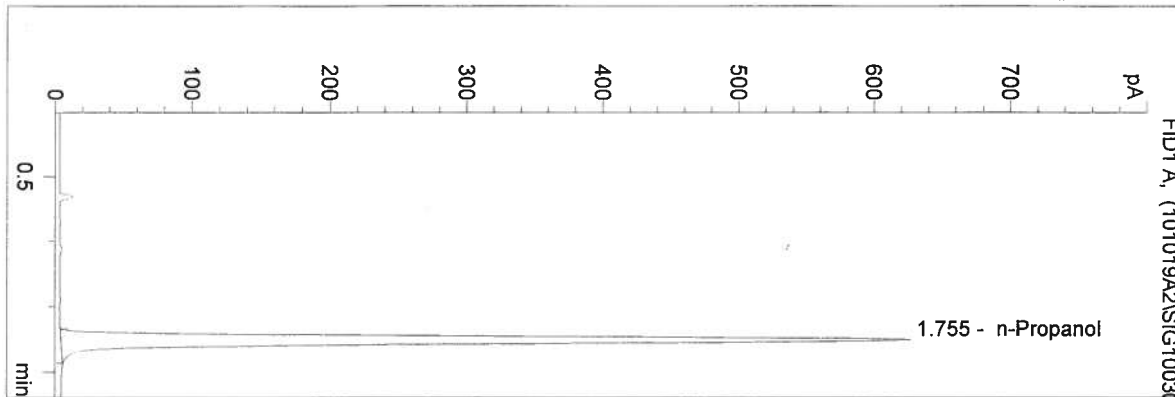
10052

AL 20101027

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/19/2010 1:06:43 PM  
 Instrument 1  
 DB ALC 1

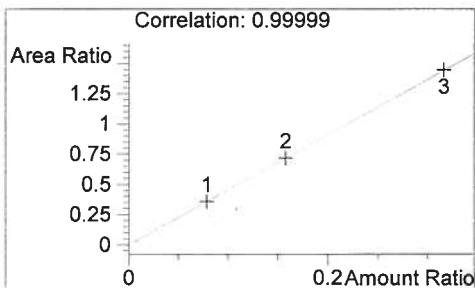
neg ctrl - al  
 asa louis

vial # 30



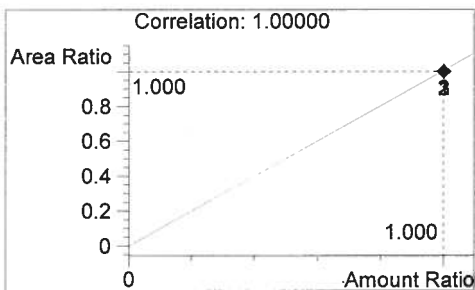
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2456	1.755

Tot



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

*AL*  
 20101019  
 10052

*AL*  
 20101027



Sequence Parameters:

Operator: Rebecca Flaherty  
 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: 101020RF  
 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 FILED  
 WITH QAP 10050  
 RF 10/20/10

RF

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-RF	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-RF	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-RF	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-RF	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP0.04 10050 #1	SIMALC	1	Sample		
11	Vial 11	QAP0.04 10050 #2	SIMALC	1	Sample		
12	Vial 12	QAP0.04 10050 #3	SIMALC	1	Sample		
13	Vial 13	QAP0.04 10050 #4	SIMALC	1	Sample		
14	Vial 14	QAP0.04 10050 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-RF	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP0.08 10051 #1	SIMALC	1	Sample		
18	Vial 18	QAP0.08 10051 #2	SIMALC	1	Sample		
19	Vial 19	QAP0.08 10051 #3	SIMALC	1	Sample		
20	Vial 20	QAP0.08 10051 #4	SIMALC	1	Sample		
21	Vial 21	QAP0.08 10051 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CONTROL-RF	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP0.10 10052 #1	SIMALC	1	Sample		
25	Vial 25	QAP0.10 10052 #2	SIMALC	1	Sample		
26	Vial 26	QAP0.10 10052 #3	SIMALC	1	Sample		
27	Vial 27	QAP0.10 10052 #4	SIMALC	1	Sample		
28	Vial 28	QAP0.10 10052 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CONTROL-RF	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP0.15 10053 #1	SIMALC	1	Sample		
32	Vial 32	QAP0.15 10053 #2	SIMALC	1	Sample		

10052

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP0.15 10053 #3	SIMALC	1	Sample		
34	Vial 34	QAP0.15 10053 #4	SIMALC	1	Sample		
35	Vial 35	QAP0.15 10053 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CONTROL-RF	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CONTROL-RF	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!

RF

10053

C:\HPCHEM\1\METHODS\SIMALC.M

10/20/2010 3:25:06 PM

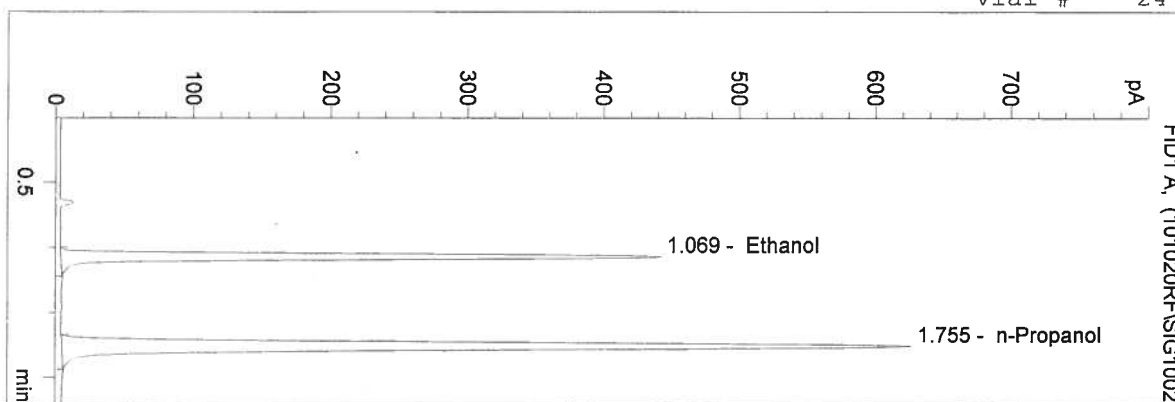
Instrument 1

DB ALC 1

QAP0.10 10052 #1

Rebecca Flaherty

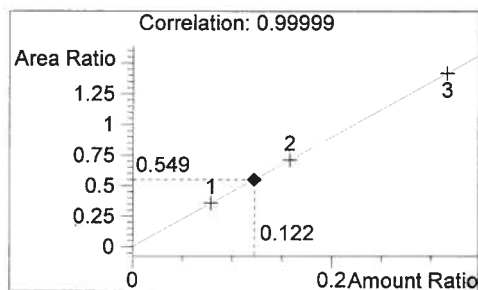
vial # 24



#	Compound	Area	RT
1	Ethanol	1346	1.069
2	n-Propanol	2450	1.755

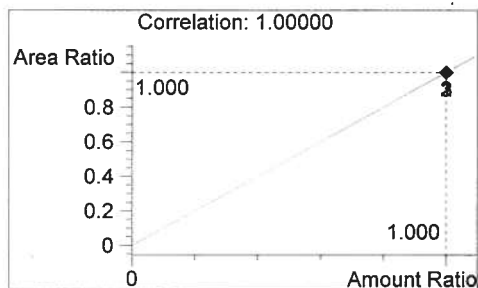
*RF*

Tot



Ethanol

0.122 g/100 mL



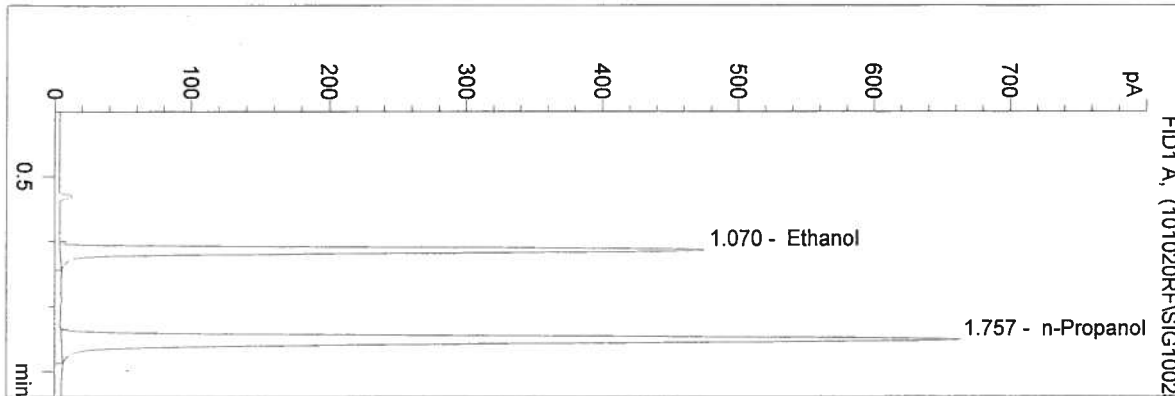
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:28:11 PM  
 Instrument 1  
 DB ALC 1

QAP0.10 10052 #2  
 Rebecca Flaherty

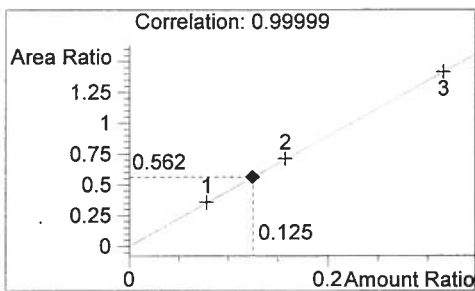
vial # 25



#	Compound	Area	RT
1	Ethanol	1461	1.070
2	n-Propanol	2601	1.757

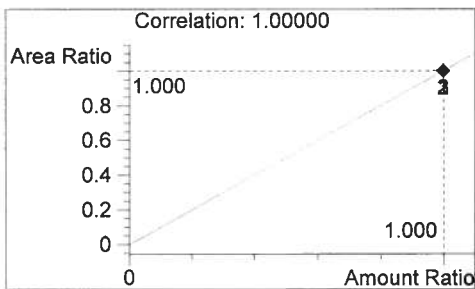
RF

Tot



Ethanol

0.125 g/100 mL



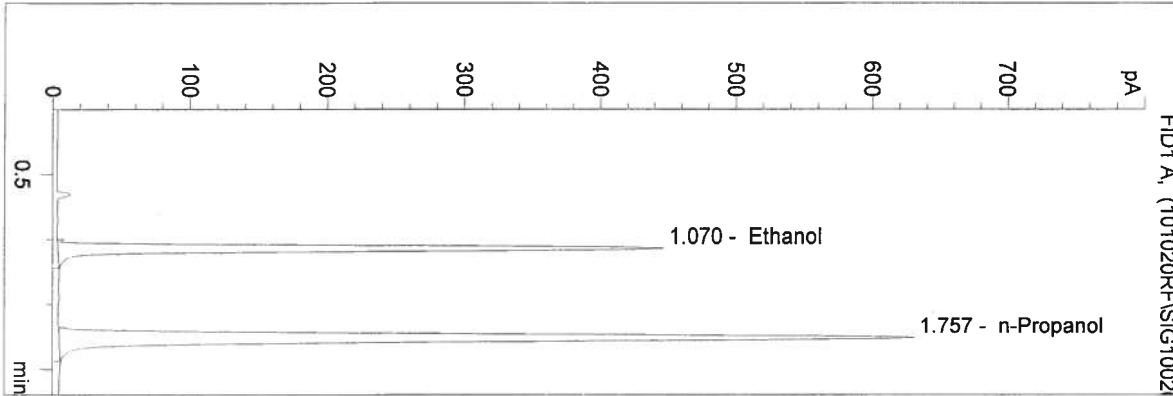
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:31:16 PM  
 Instrument 1  
 DB ALC 1

QAP0.10 10052 #3  
 Rebecca Flaherty

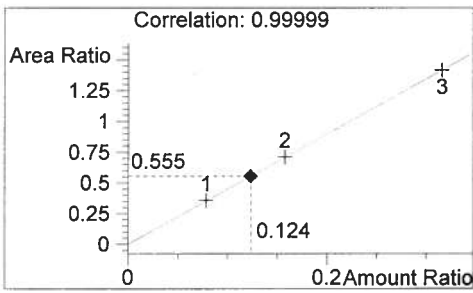
vial # 26



#	Compound	Area	RT
1	Ethanol	1370	1.070
2	n-Propanol	2468	1.757

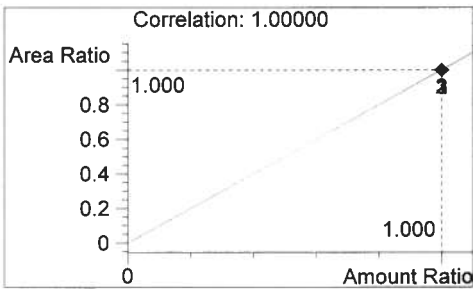
Tot

RF



Ethanol

0.124 g/100 mL



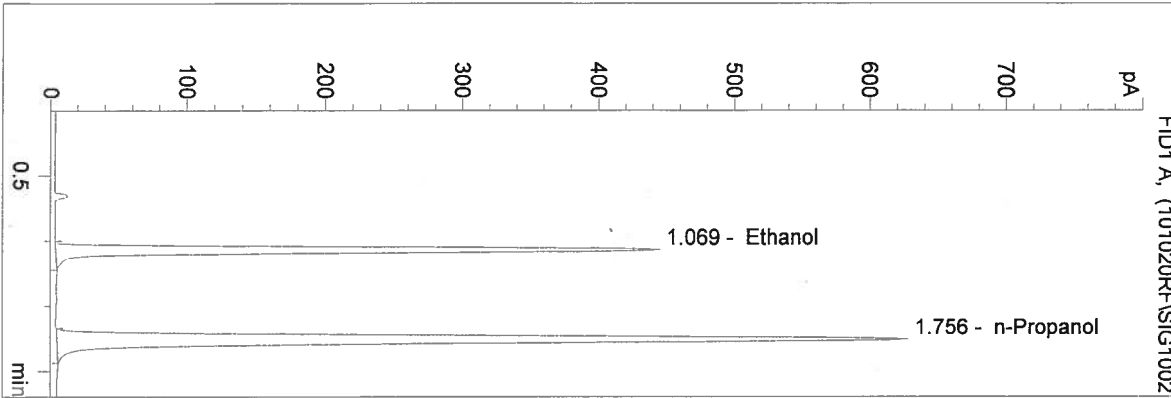
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:34:21 PM  
 Instrument 1  
 DB ALC 1

QAP0.10 10052 #4  
 Rebecca Flaherty

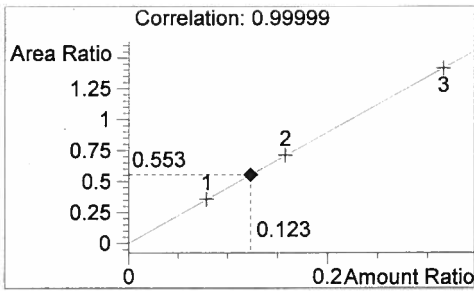
vial # 27



#	Compound	Area	RT
1	Ethanol	1358	1.069
2	n-Propanol	2455	1.756

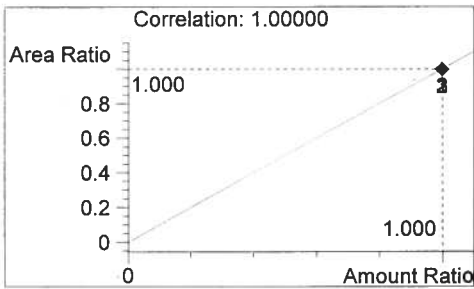
Tot

*RF*



Ethanol

0.123 g/100 mL



n-Propanol

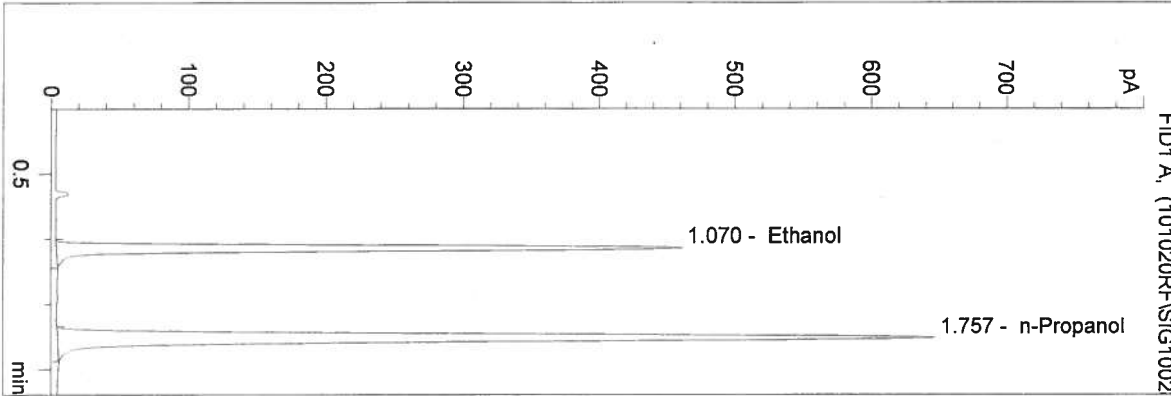
1.000 g/100 mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:37:25 PM  
 Instrument 1  
 DB ALC 1

QAP0.10 10052 #5  
 Rebecca Flaherty

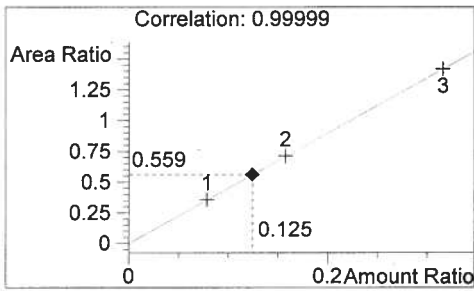
vial # 28



#	Compound	Area	RT
1	Ethanol	1420	1.070
2	n-Propanol	2539	1.757

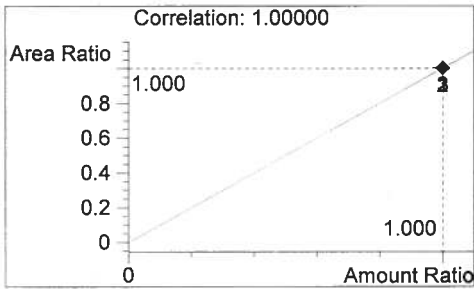
Tot

*rf*



Ethanol

0.125 g/100 mL



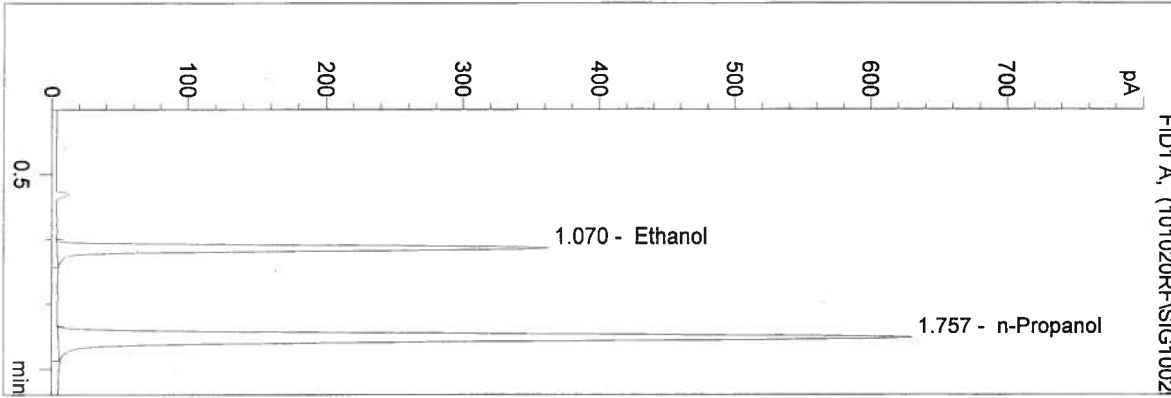
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:40:30 PM  
 Instrument 1  
 DB ALC 1

0.10 CONTROL-RF  
 Rebecca Flaherty

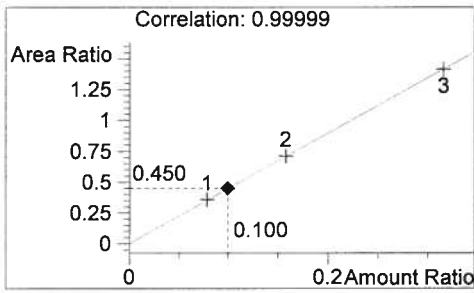
vial # 29



#	Compound	Area	RT
1	Ethanol	1111	1.070
2	n-Propanol	2469	1.757

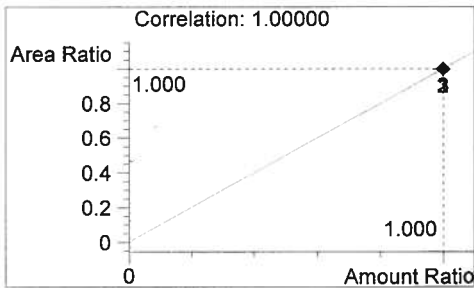
Tot

RF



Ethanol

0.100 g/100 mL



n-Propanol

1.000 g/100 mL

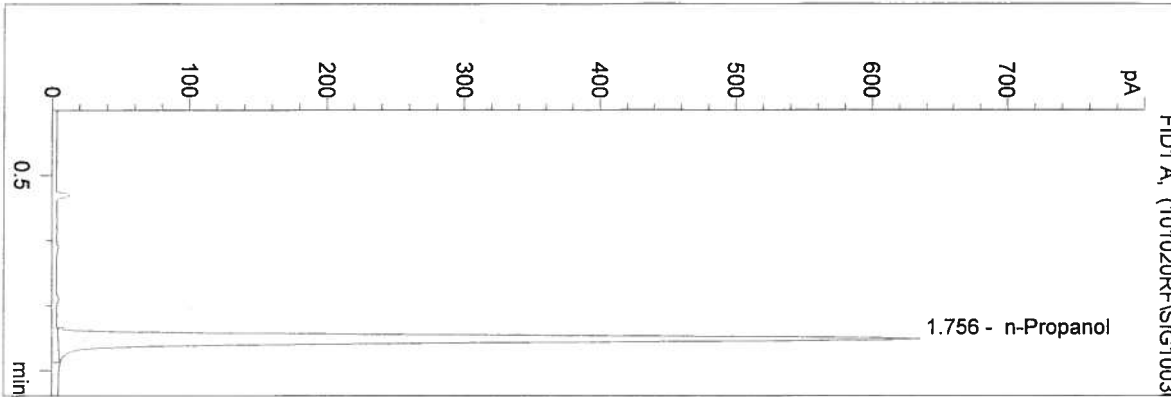
10052



C:\HPCHEM\1\METHODS\SIMALC.M  
 10/20/2010 3:43:40 PM  
 Instrument 1  
 DB ALC 1

NEG CONTROL-RF  
 Rebecca Flaherty

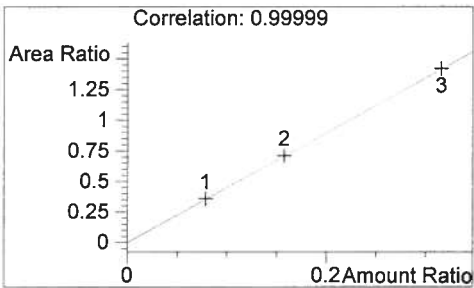
vial # 30



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2491	1.756

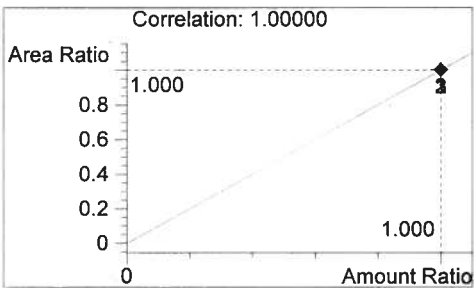
Tot

RF



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

10052

Calibrators/QC  
w/ 10050

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: 101022JK  
 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 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	10050-1	SIMALC	1	Sample		
11	Vial 11	10050-2	SIMALC	1	Sample		
12	Vial 12	10050-3	SIMALC	1	Sample		
13	Vial 13	10050-4	SIMALC	1	Sample		
14	Vial 14	10050-5	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	10051-1	SIMALC	1	Sample		
18	Vial 18	10051-2	SIMALC	1	Sample		
19	Vial 19	10051-3	SIMALC	1	Sample		
20	Vial 20	10051-4	SIMALC	1	Sample		
21	Vial 21	10051-5	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	10052-1	SIMALC	1	Sample		
25	Vial 25	10052-2	SIMALC	1	Sample		
26	Vial 26	10052-3	SIMALC	1	Sample		
27	Vial 27	10052-4	SIMALC	1	Sample		
28	Vial 28	10052-5	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	10053-1	SIMALC	1	Sample		
32	Vial 32	10053-2	SIMALC	1	Sample		

10052

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10053-3	SIMALC	1	Sample		
34	Vial 34	10053-4	SIMALC	1	Sample		
35	Vial 35	10053-5	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):

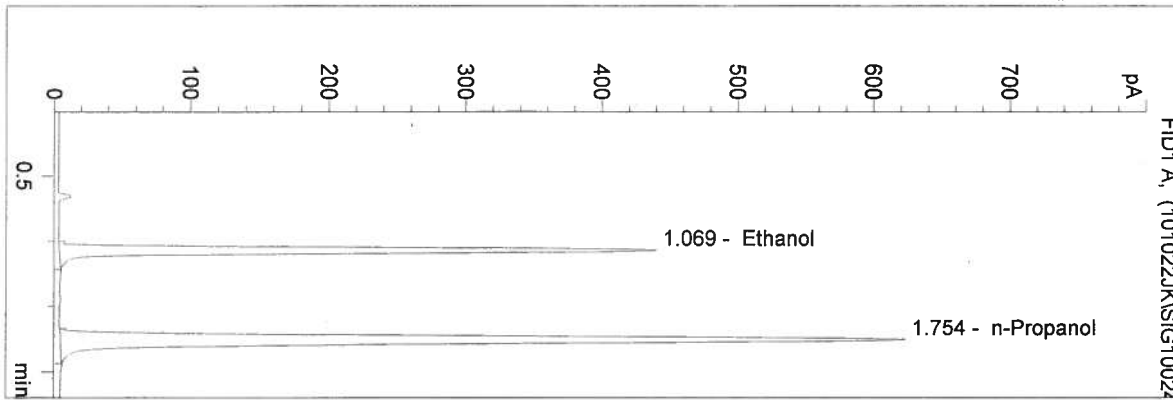
No entries - empty table!

10052

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:44:35 PM  
 Instrument 1  
 DB ALC 1

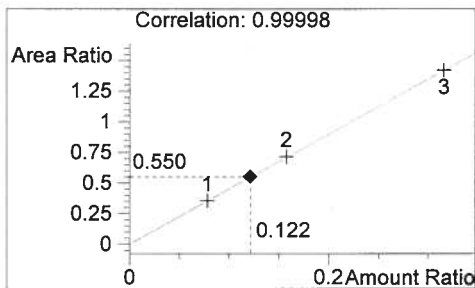
10052-1  
 Justin Knoy

vial # 24



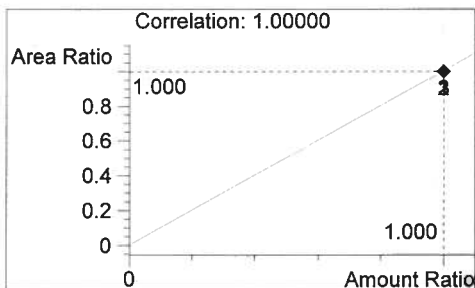
#	Compound	Area	RT
1	Ethanol	1344	1.069
2	n-Propanol	2445	1.754

Tot



Ethanol

0.122 g/100 mL



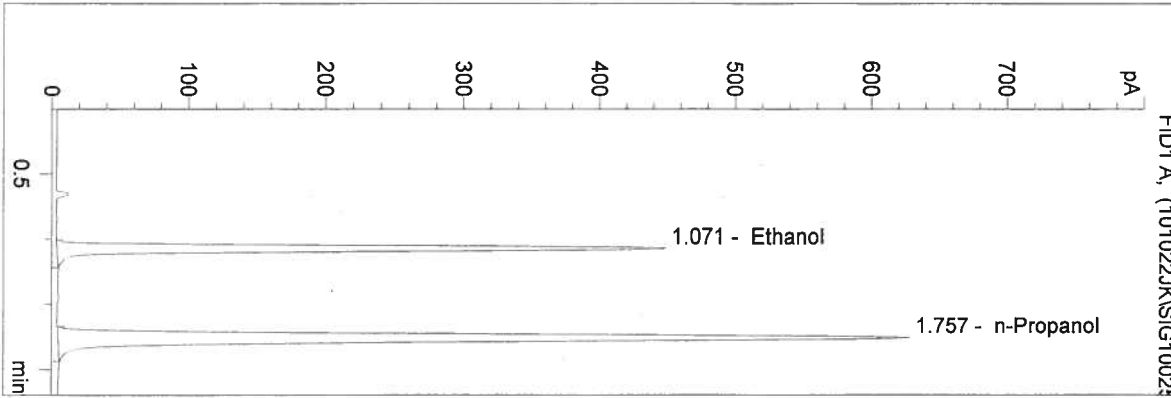
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:47:39 PM  
 Instrument 1  
 DB ALC 1

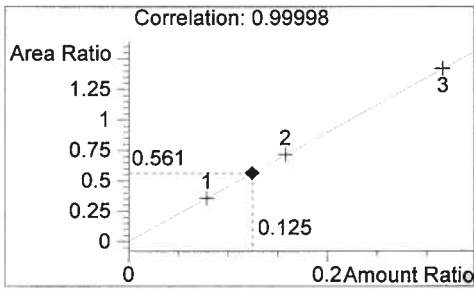
10052-2  
 Justin Knoy

vial # 25



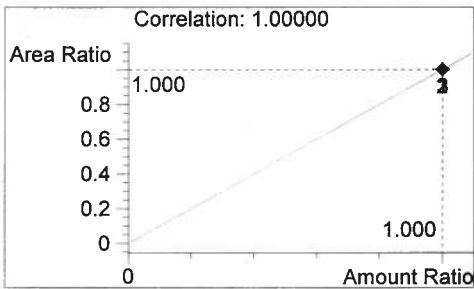
#	Compound	Area	RT
1	Ethanol	1382	1.071
2	n-Propanol	2461	1.757

Tot



Ethanol

0.125 g/100 mL



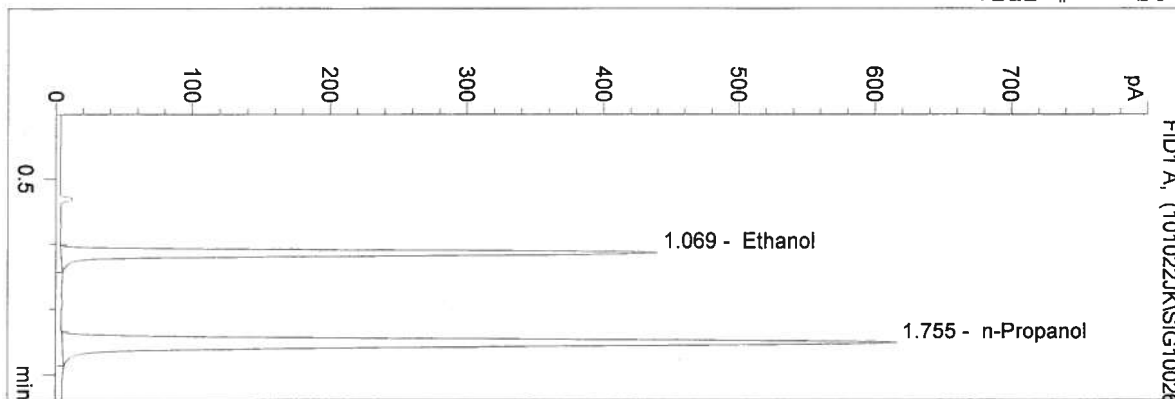
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:50:44 PM  
 Instrument 1  
 DB ALC 1

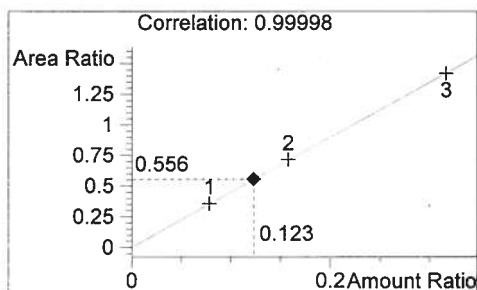
10052-3  
 Justin Knoy

vial # 26



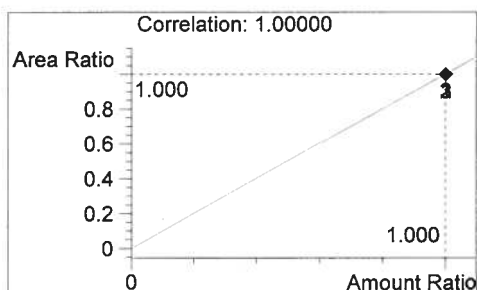
#	Compound	Area	RT
1	Ethanol	1338	1.069
2	n-Propanol	2408	1.755

Tot



Ethanol

0.123 g/100 mL



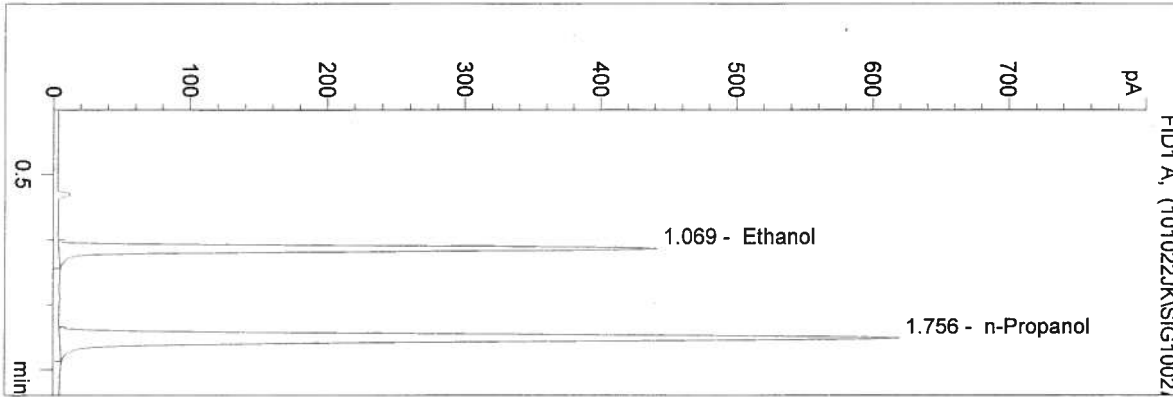
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:53:49 PM  
 Instrument 1  
 DB ALC 1

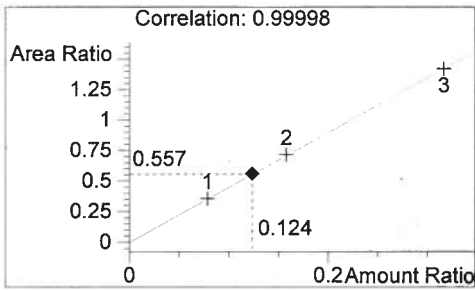
10052-4  
 Justin Knoy

vial # 27



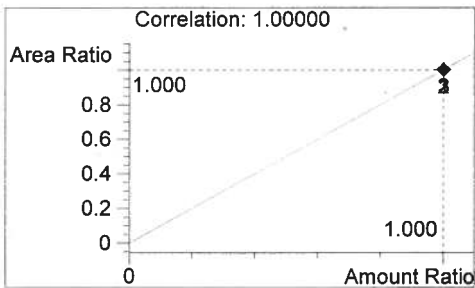
#	Compound	Area	RT
1	Ethanol	1348	1.069
2	n-Propanol	2423	1.756

Tot



Ethanol

0.124 g/100 mL



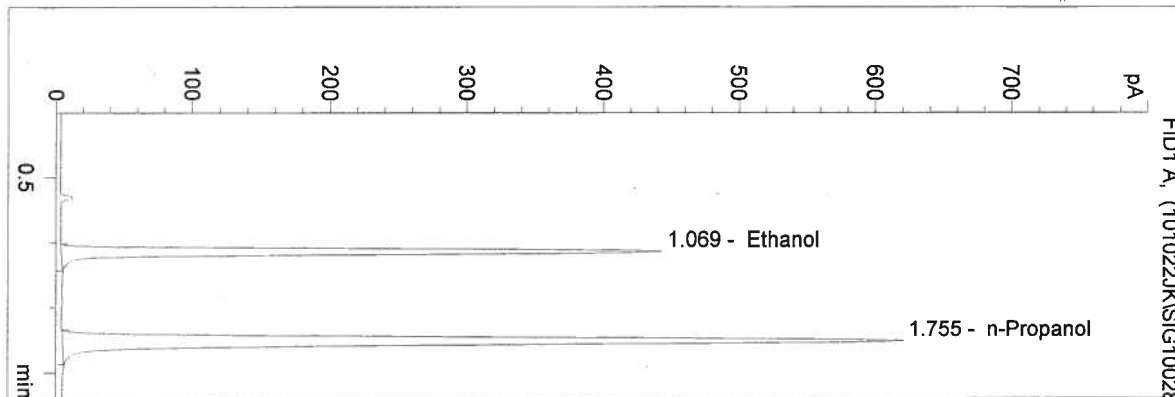
n-Propanol

1.000 g/100 mL

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:56:54 PM  
 Instrument 1  
 DB ALC 1

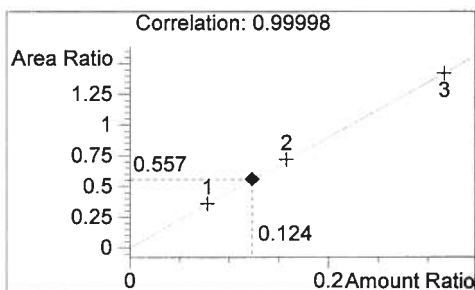
10052-5  
 Justin Knoy

vial # 28



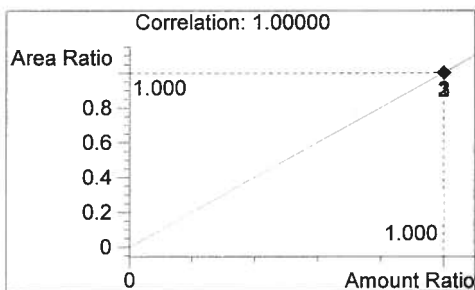
#	Compound	Area	RT
1	Ethanol	1350	1.069
2	n-Propanol	2425	1.755

Tot



Ethanol

0.124 g/100 mL



n-Propanol

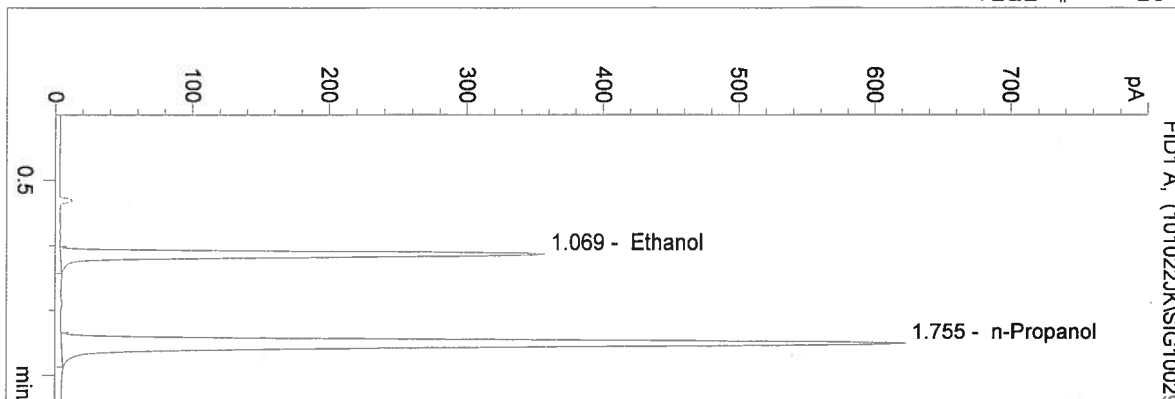
1.000 g/100 mL



C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 5:59:59 PM  
 Instrument 1  
 DB ALC 1

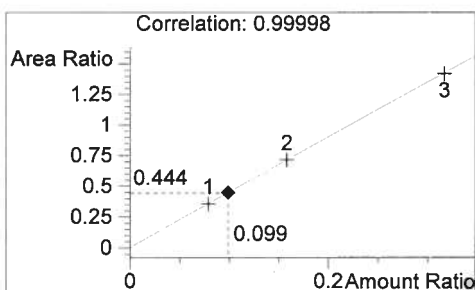
0.10 CTRL JK  
 Justin Knoy

vial # 29



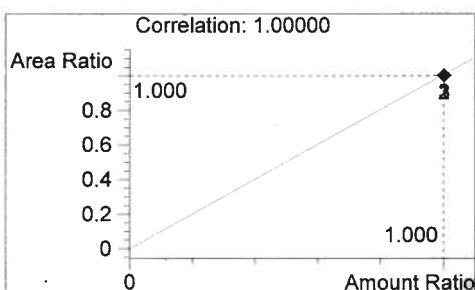
#	Compound	Area	RT
1	Ethanol	1083	1.069
2	n-Propanol	2438	1.755

Tot



Ethanol

0.099 g/100 mL



n-Propanol

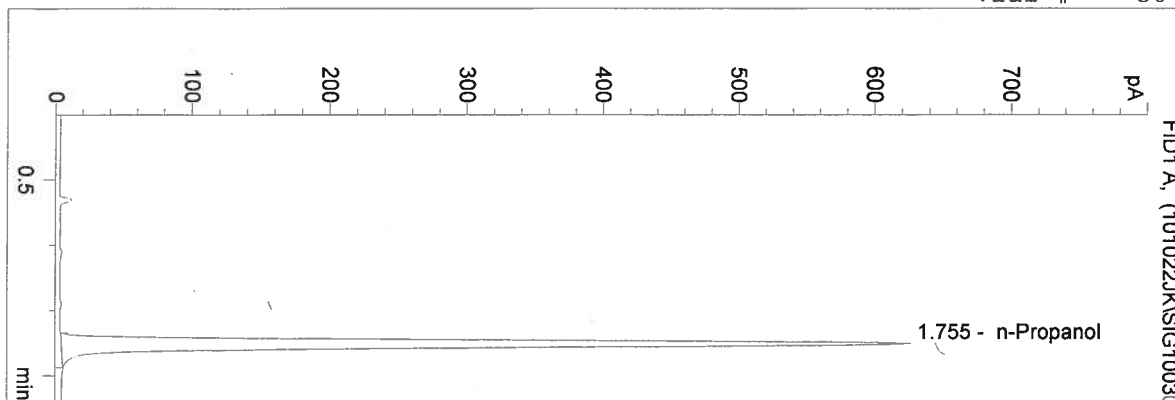
1.000 g/100 mL

10052

C:\HPCHEM\1\METHODS\SIMALC.M  
 10/22/2010 6:03:03 PM  
 Instrument 1  
 DB ALC 1

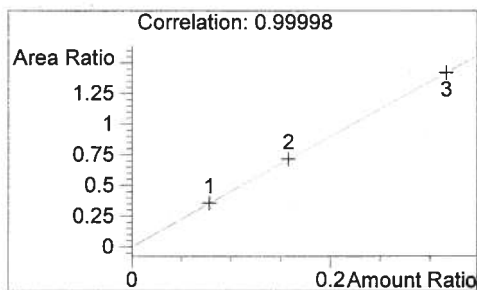
NEG CTRL JK  
 Justin Knoy

vial # 30



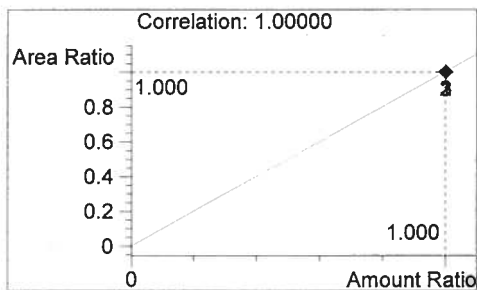
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2454	1.755

Tot



Ethanol

0.000 g/100 mL



n-Propanol

1.000 g/100 mL

10052

## QAP SOLUTION PREPARATION WORKSHEET

Batch #: 10050, 10051, 10052, 10053, ~~100~~  
 Preparer: AL  
 Date Prepared: 2010 10 19  
 Expiration Date: 2010 10 19  
 Lot 200 Proof (100%) Ethanol Used: 2Q0777  
 Date 200 Proof Ethanol Opened: 2010 10 12  
 (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 10050	<input checked="" type="checkbox"/>
0.08	22.4 mL	18 L 10051	<input checked="" type="checkbox"/>
0.1	28.1 mL	18 L 10052	<input checked="" type="checkbox"/>
0.15	42.0 mL	18 L 10053	<input checked="" type="checkbox"/>
Stir Bar is Rotating			<input checked="" type="checkbox"/>
Stirred for at least 30 minutes			<input checked="" type="checkbox"/>
Spigot Purged			<input checked="" type="checkbox"/>
Aliquot Taken			<input checked="" type="checkbox"/>
Batch Labeled Packaged and Sealed			<input checked="" type="checkbox"/>

2010 10 19  
Date

[Signature]  
Analyst

2010 10 19  
Date