

**WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW**



Reviewer/s: KEN BENTON / ROB GULLBERG Date: 2-14-2008
 Location: TOX LAB SEATTLE Solution Batch Number: 08005

	YES	NO	N/A
Preparation date precedes all analysis dates:	<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 Analysis sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Avg. 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"/>
Range correct if applicable:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blank Chromatograms included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Control information correct: (lot # present and future date)	<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"/>
CV% Correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reviewed for outliers per policy and none found?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments:			

Reviewer Signature: *[Signature]* Date: 2-14-08
 Reviewer Signature: *[Signature]* Date: 2/14/2008

WASHINGTON STATE TOXICOLOGY LABORATORY
 FORENSIC LABORATORY SERVICES BUREAU
 WASHINGTON STATE PATROL
 2203 AIRPORT WAY S, SUITE 360
 SEATTLE, WASHINGTON 98134-2027
 (206) 262-6100 FAX (206) 262-6145

QUALITY ASSURANCE SOLUTION DATABASE

Preparation and certification of **0.15** g/210L Quality Assurance Solution

Batch number **08005**

Date prepared: 01/03/2008

Preparation: **42.3** mL of absolute ethyl alcohol diluted to **18** Liters with water

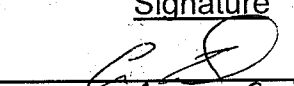
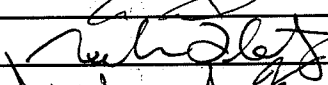
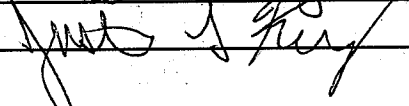
Concentration of ethanol (g/100mL) measured by gas chromatography:

	Analyst 1	Analyst 2	Analyst 3
1	0.185	0.185	0.183
2	0.184	0.185	0.186
3	0.185	0.187	0.187
4	0.182	0.186	0.186
5	0.186	0.187	0.188
Ctrl	0.099	0.100	0.098


Statistics:
 Avg. solution concent.: 0.1855 g/100 mL
 SD: 0.00160
 Range (3.8XSD): 0.1794 to 0.1916
 Precision CV (%): 0.8612 %

External Control:
 Lot #: a050528 Exp date: 7 / 2011
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1508 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
1	Asa Louis		01/03/2008
2	Rebecca Flaherty		01/04/2008
3	Justin L Knoy		01/09/2008

Prepared by: Asa Louis according to the approved protocol.

Final review by: 

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 QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08005


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 eight years of toxicology experience.

The quality assurance solution, Lot Number 08005, was prepared in the Washington State Toxicology Laboratory on 1/3/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 1/3/2009.

Seattle, WA

 20080128

Asa J. Louis Date
Forensic Toxicologist

AJL/jr
AJLQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08005

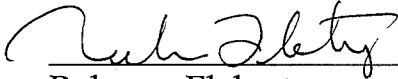
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 quality assurance solution, Lot Number 08005, was prepared in the Washington State Toxicology Laboratory on 1/3/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 1/3/2009.

Seattle, WA


Rebecca Flaherty 1/29/08
Forensic Toxicologist Date

RF/jr
RFQA



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 QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 08005


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 quality assurance solution, Lot Number 08005, was prepared in the Washington State Toxicology Laboratory on 1/3/2008. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 1/3/2009.

Seattle, WA


Justin L. Knoy Date
Forensic Toxicologist

JLK/jr
JKQA



Batch Worksheet Check Off

Please check the data entered into the worksheet is correct and that the date to the right of your name is the date that you tested the solution and then sign the worksheet.

Please initial below to affirm that you have:

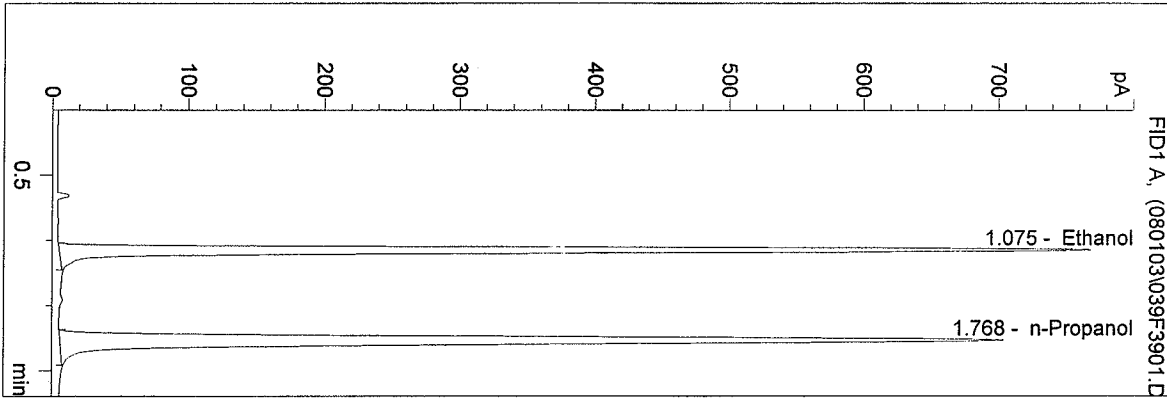
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Brianne Akins	
Brittany Ball	
Amanda Black	
Brian Capron	
Rebecca Flaherty RF	1-29-08
Ed Formoso	
Christopher Johnston	
Justin Knoy	1-28-08
Asa Louis	20080128
Estuardo Miranda	
Christie Mitchell	
Lisa Noble	
Naziha Nuwayhid	
Melissa Pemberton	
Brianna Peterson	
Sarah Swenson	

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 Instrument 1
 DB ALC 1

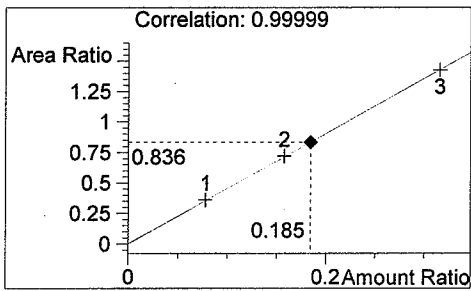
08005a
 alouis

vial # 39



#	Compound	Area	RT
1	Ethanol	2292	1.075
2	n-Propanol	2742	1.768

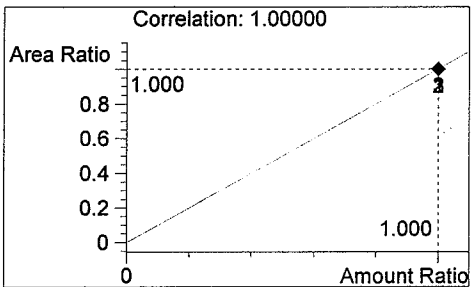
Tot



Ethanol

0.185 mg/L

*9/100 ml
 Al 2008017*



n-Propanol

1.000 mg/L

*9/100 ml
 Al 2008017*

*Al
 20080103*

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

1/3/2008 4:28:45 PM

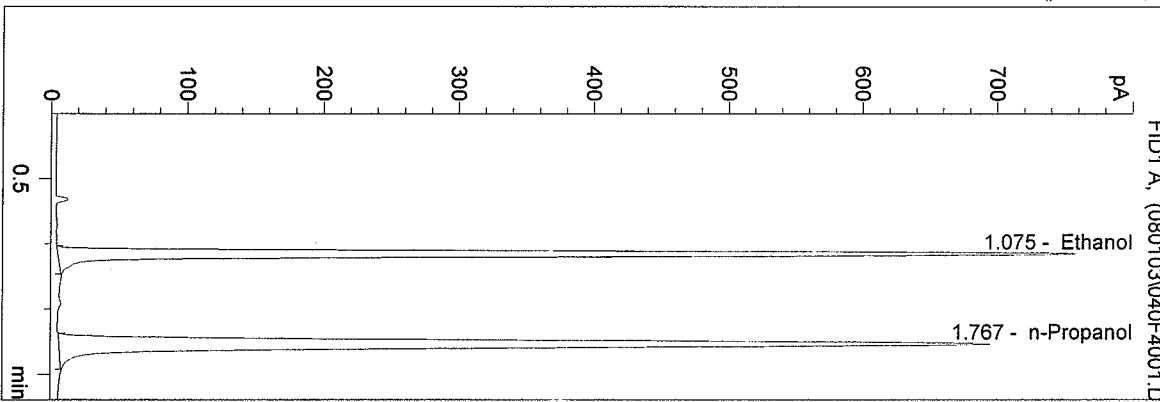
Instrument 1

DB ALC 1

08005b

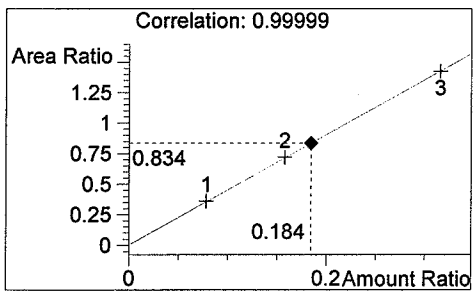
alouis

vial # 40



#	Compound	Area	RT
1	Ethanol	2255	1.075
2	n-Propanol	2703	1.767

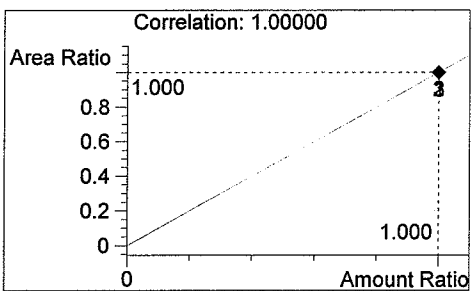
Tot



Ethanol

0.184 mg/L

*9/100 ml
At 20080117*



n-Propanol

1.000 mg/L

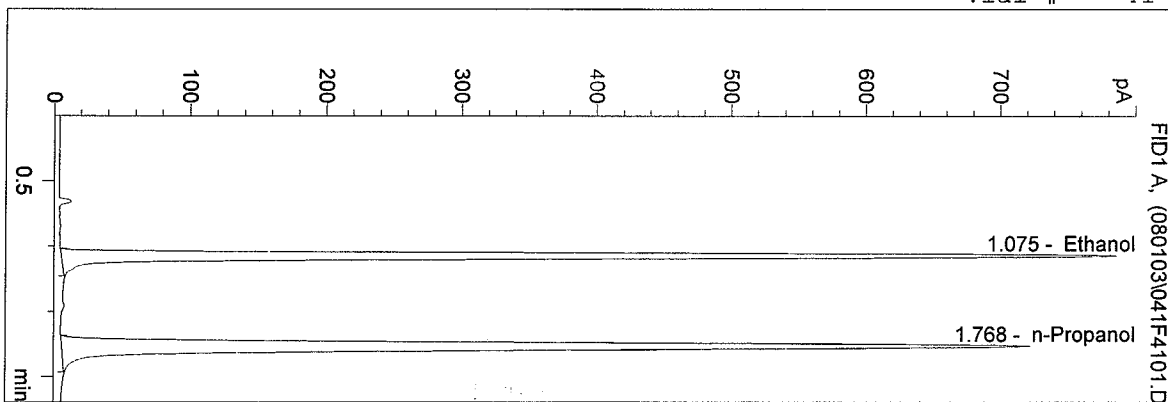
*9/100 ml
At 20080117*

*At
20080103*

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 Instrument 1
 DB ALC 1

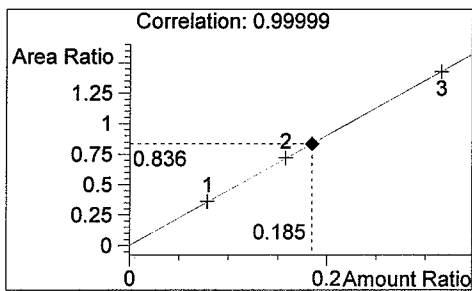
08005c
 alouis

vial # 41



#	Compound	Area	RT
1	Ethanol	2353	1.075
2	n-Propanol	2814	1.768

Tot

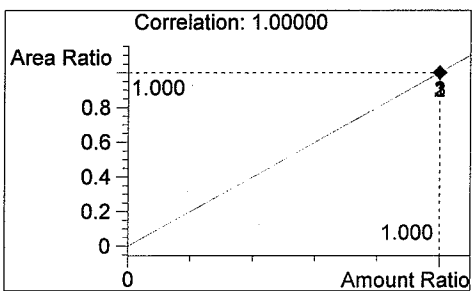


Ethanol

0.185 mg/L

9/100 ml

AC 20080117



n-Propanol

1.000 mg/L

9/100 ml

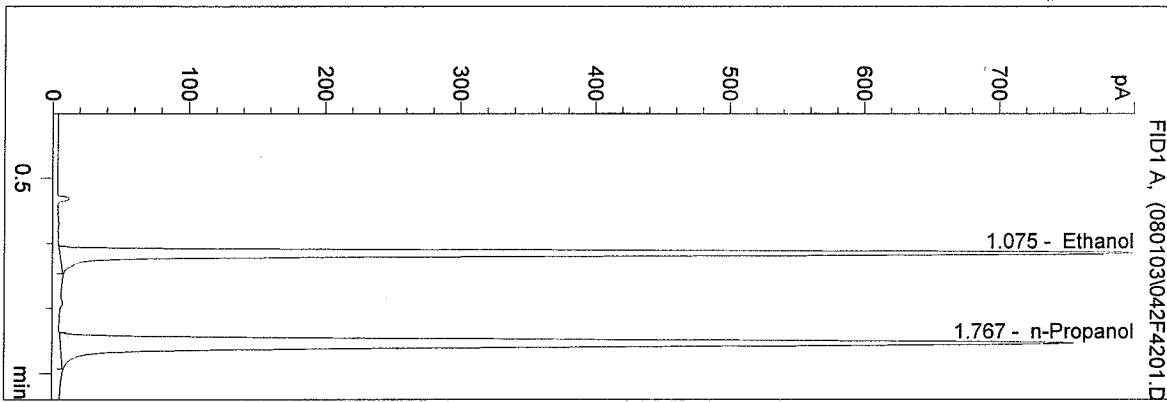
AC 20080117

AC
 20080103

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 Instrument 1
 DB ALC 1

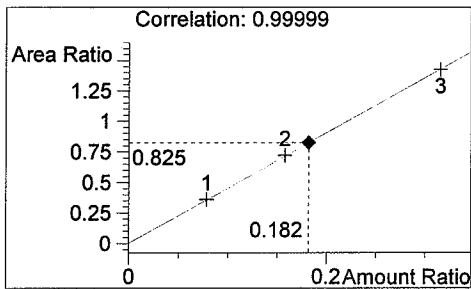
08005d
 alouis

vial # 42



#	Compound	Area	RT
1	Ethanol	2424	1.075
2	n-Propanol	2939	1.767

Tot

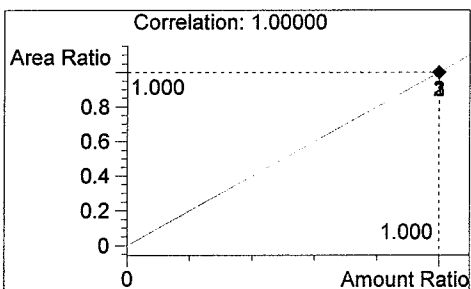


Ethanol

0.182 ~~mg/L~~

3100ml

AL 20080117



n-Propanol

1.000 ~~mg/L~~

3100ml

AL 20080117

AL
 20080103

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

1/3/2008 4:37:59 PM

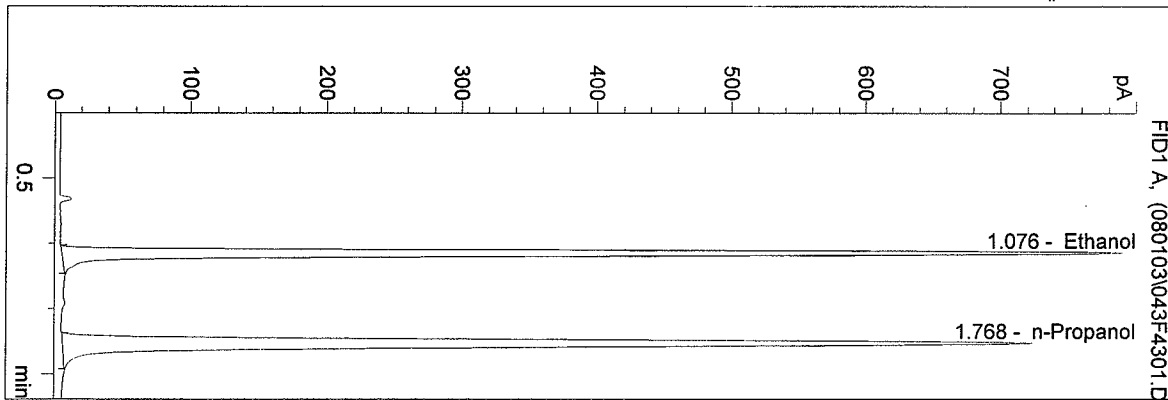
Instrument 1

DB ALC 1

08005e

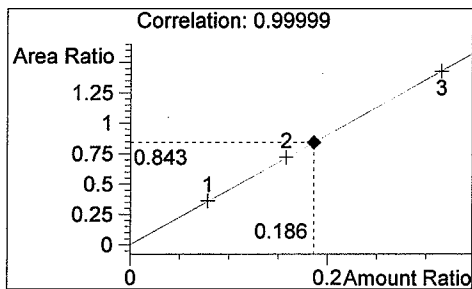
alouis

vial # 43



#	Compound	Area	RT
1	Ethanol	2373	1.076
2	n-Propanol	2816	1.768

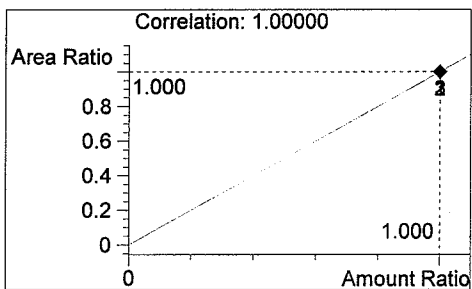
Tot



Ethanol

0.186 mg/L

g/100ml
AL 20080117



n-Propanol

1.000 mg/L

g/100ml
AL 20080117

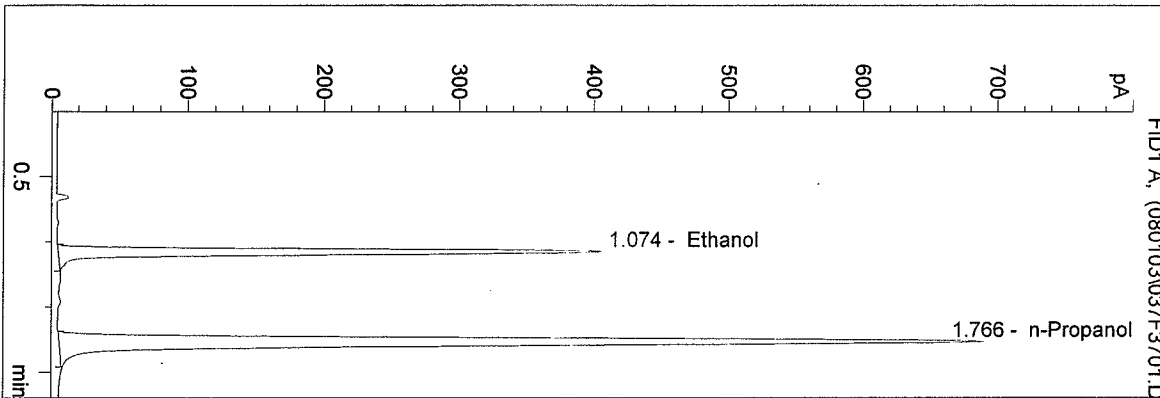
AL
20080103

050528

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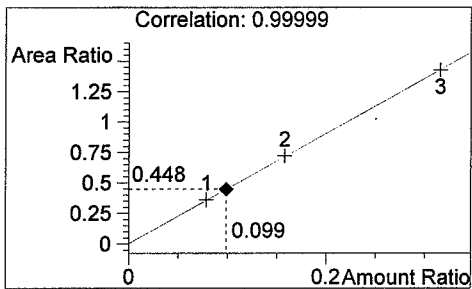
0.10 con al
 alouis

vial # 37



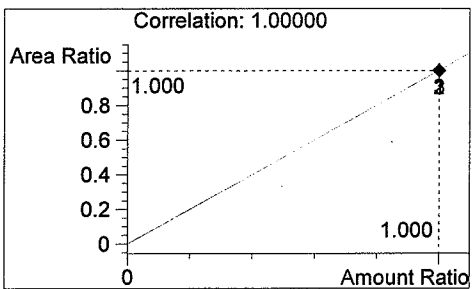
#	Compound	Area	RT
1	Ethanol	1203	1.074
2	n-Propanol	2685	1.766

Tot



Ethanol

0.099 mg/L
 3/100 ml
 AL 20080117



n-Propanol

1.000 mg/L
 3/100 ml
 AL 20080117

AL
 20080103

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

1/3/2008 4:22:36 PM

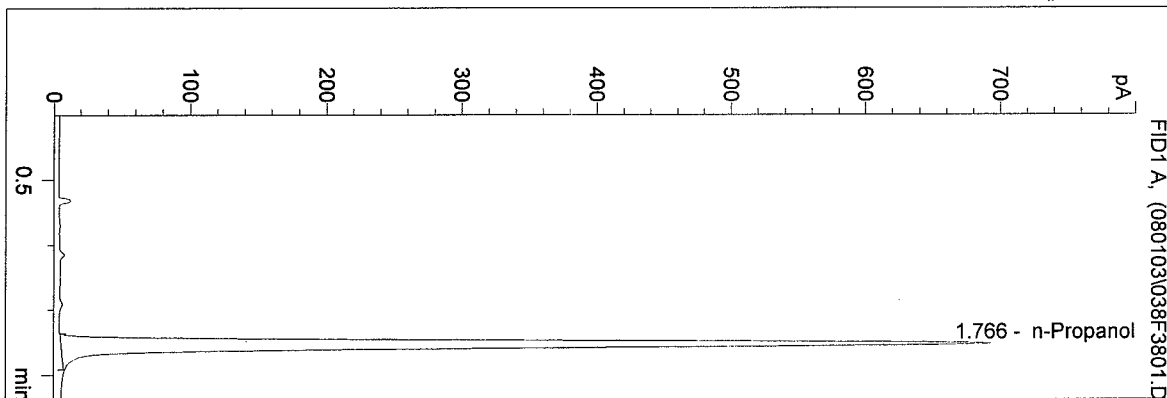
Instrument 1

DB ALC 1

blank

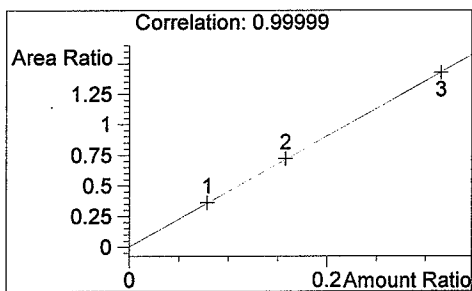
alouis

vial # 38



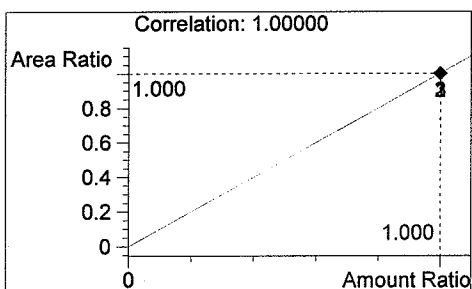
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2701	1.766

Tot



Ethanol

0.000 mg/L
 9/1.00 ml
 AL 2008 0117



n-Propanol

1.000 mg/L
 9/1.00 ml
 AL 2008 0117

AL
 20080103

Sequence Parameters:

Operator: alouis
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 080103
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none
 Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	BLDALCO	1	Ctrl Samp		
2	Vial 2	0.079 std	BLDALCO	1	Calib		
3	Vial 3	0.158 std	BLDALCO	1	Calib		
4	Vial 4	0.316 std	BLDALCO	1	Calib		
5	Vial 5	blank	BLDALCO	1	Ctrl Samp		
6	Vial 6	0.02 std	BLDALCO	1	Sample		
7	Vial 7	0.04 con al	BLDALCO	1	Ctrl Samp		
8	Vial 8	0.10 con al	BLDALCO	1	Ctrl Samp		
9	Vial 9	0.20 con al	BLDALCO	1	Ctrl Samp		
10	Vial 10	blank	BLDALCO	1	Sample		
11	Vial 11	08001a	BLDALCO	1	Sample		
12	Vial 12	08001b	BLDALCO	1	Sample		
13	Vial 13	08001c	BLDALCO	1	Sample		
14	Vial 14	08001d	BLDALCO	1	Sample		
15	Vial 15	08001e	BLDALCO	1	Sample		
✓16	Vial 16	0.10 con al	BLDALCO	1	Sample		
17	Vial 17	blank	BLDALCO	1	Sample		
18	Vial 18	08002a	BLDALCO	1	Sample		
19	Vial 19	08002b	BLDALCO	1	Sample		
20	Vial 20	08002c	BLDALCO	1	Sample		
21	Vial 21	08002d	BLDALCO	1	Sample		
22	Vial 22	08002e	BLDALCO	1	Sample		
✓23	Vial 23	0.10 con al	BLDALCO	1	Sample		
24	Vial 24	blank	BLDALCO	1	Sample		
25	Vial 25	08003a	BLDALCO	1	Sample		
26	Vial 26	08003b	BLDALCO	1	Sample		
27	Vial 27	08003c	BLDALCO	1	Sample		
28	Vial 28	08003d	BLDALCO	1	Sample		
✓29	Vial 29	08003e	BLDALCO	1	Sample		
30	Vial 30	0.10 con al	BLDALCO	1	Sample		
31	Vial 31	blamk	BLDALCO	1	Sample		
32	Vial 32	08004a	BLDALCO	1	Sample		
33	Vial 33	08004b	BLDALCO	1	Sample		
34	Vial 34	08004c	BLDALCO	1	Sample		
35	Vial 35	08004d	BLDALCO	1	Sample		
✓36	Vial 36	08004e	BLDALCO	1	Sample		
37	Vial 37	0.10 con al	BLDALCO	1	Sample		
38	Vial 38	blank	BLDALCO	1	Sample		
39	Vial 39	08005a	BLDALCO	1	Sample		
40	Vial 40	08005b	BLDALCO	1	Sample		
41	Vial 41	08005c	BLDALCO	1	Sample		

0.04 con a 050530
 0.10 con a 050528
 0.20 con a 050527

Stnds +
 controls here

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
42	Vial 42	08005d	BLDALCO	1	Sample		
43	Vial 43	08005e	BLDALCO	1	Sample		

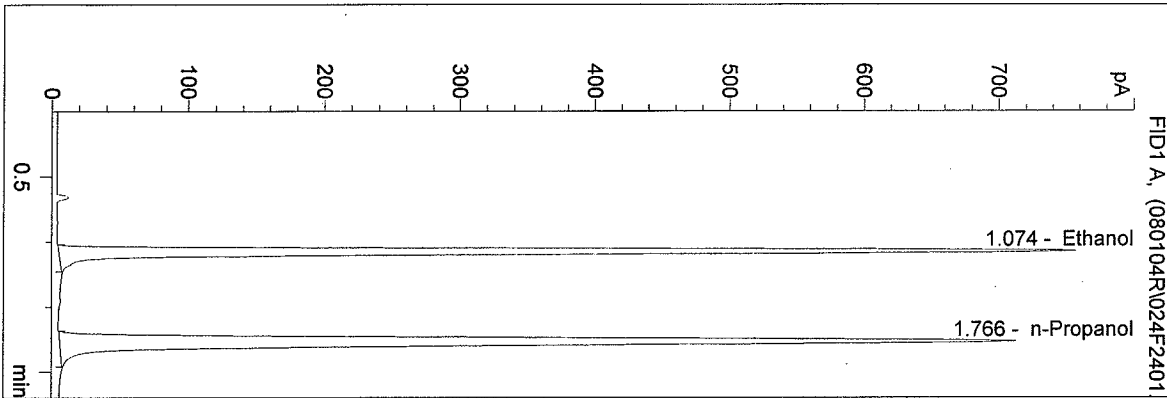
Sequence Table (Back Injector):

No entries - empty table!

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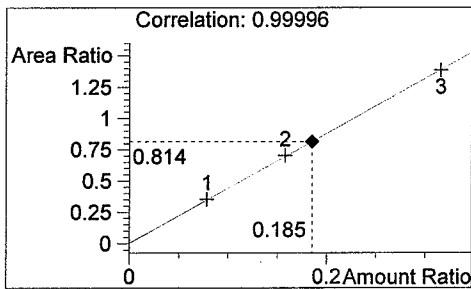
QA08005-1
 Rebecca Flaherty

vial # 24



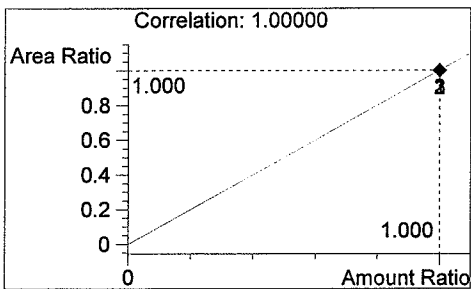
#	Compound	Area	RT
1	Ethanol	2246	1.074
2	n-Propanol	2760	1.766

Tot



Ethanol

0.185 mg/L
 g/100mL
 RF 01/17/08



n-Propanol

1.000 mg/L
 g/100mL
 RF 01/17/08

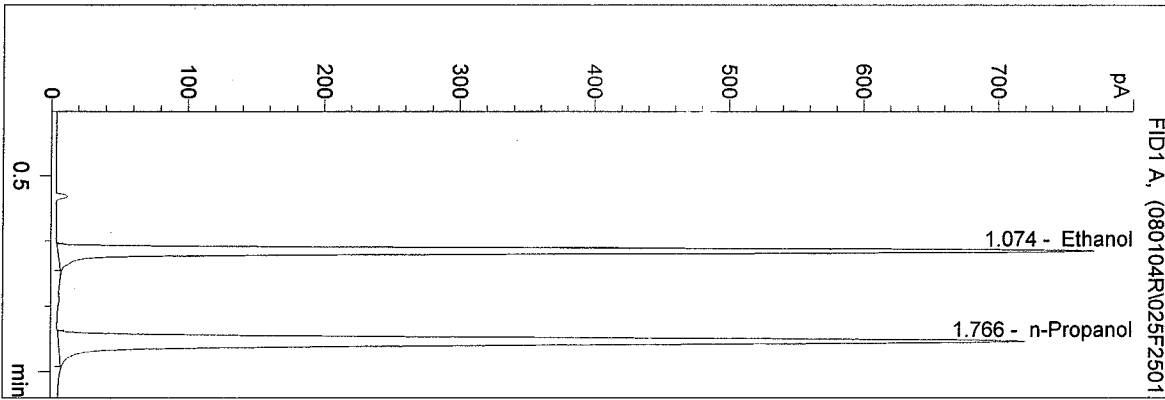
Calibration filed
 with case #
 ST0800015
 RF 1/7/08

RF

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 DB ALC 1

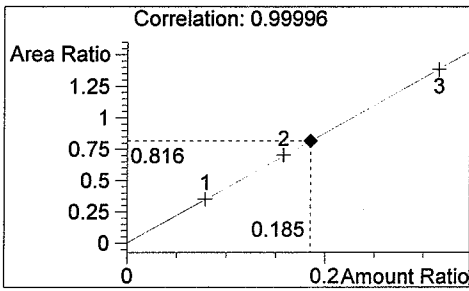
QA08005-2
 Rebecca Flaherty

vial # 25



#	Compound	Area	RT
1	Ethanol	2280	1.074
2	n-Propanol	2796	1.766

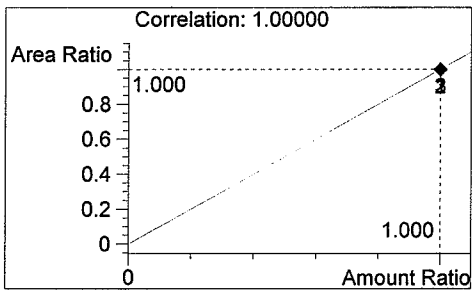
Tot



Ethanol

0.185 mg/L

g/100 mL
 RF 01/17/08



n-Propanol

1.000 mg/L

g/100 mL
 RF 01/17/08

RF

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1/4/2008 4:46:32 PM

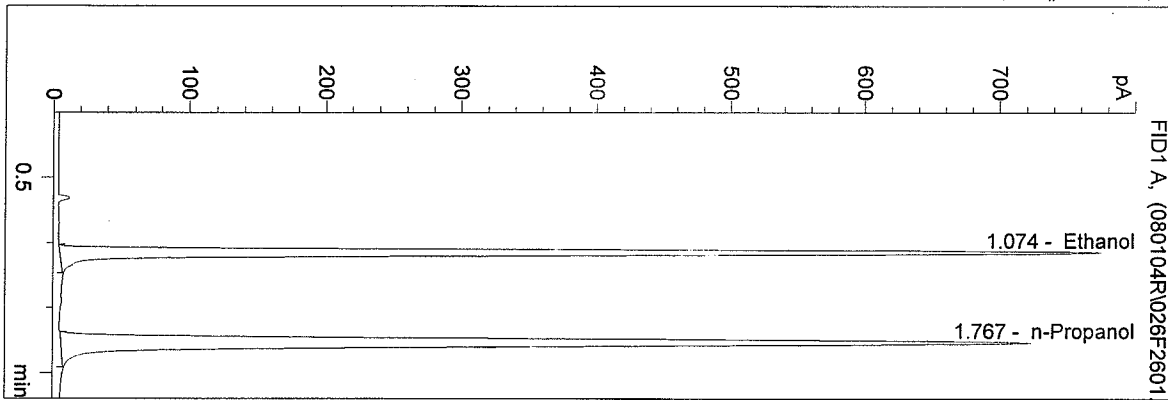
Instrument 1

DB ALC 1

QA08005-3

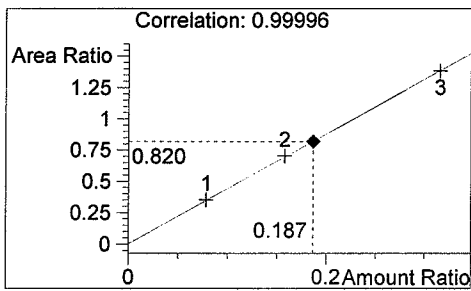
Rebecca Flaherty

vial # 26



#	Compound	Area	RT
1	Ethanol	2296	1.074
2	n-Propanol	2798	1.767

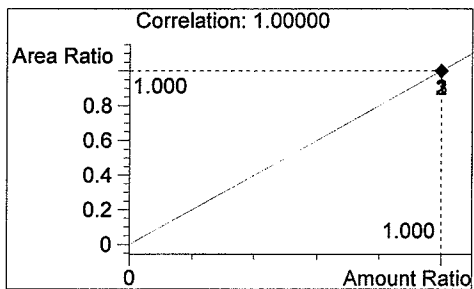
Tot



Ethanol

0.187 mg/L

g/100 mL
RF 01/17/08



n-Propanol

1.000 mg/L

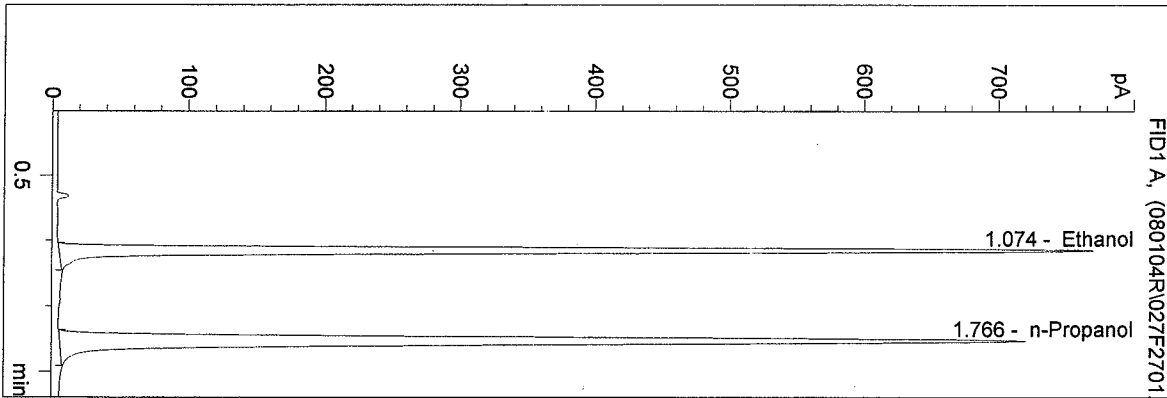
g/100 mL
RF 01/17/08

RF

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 1/4/2008 4:49:37 PM
 Instrument 1
 DB ALC 1

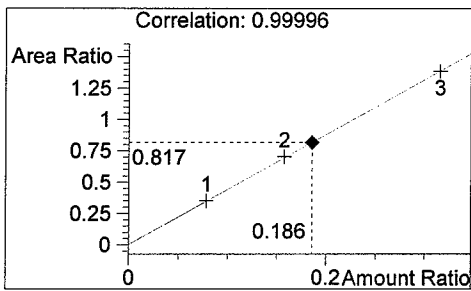
QA08005-4
 Rebecca Flaherty

vial # 27



#	Compound	Area	RT
1	Ethanol	2276	1.074
2	n-Propanol	2786	1.766

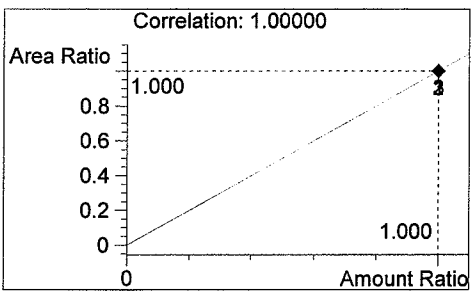
Tot



Ethanol

0.186 mg/L

g/100mL
RF 01/17/08



n-Propanol

1.000 mg/L

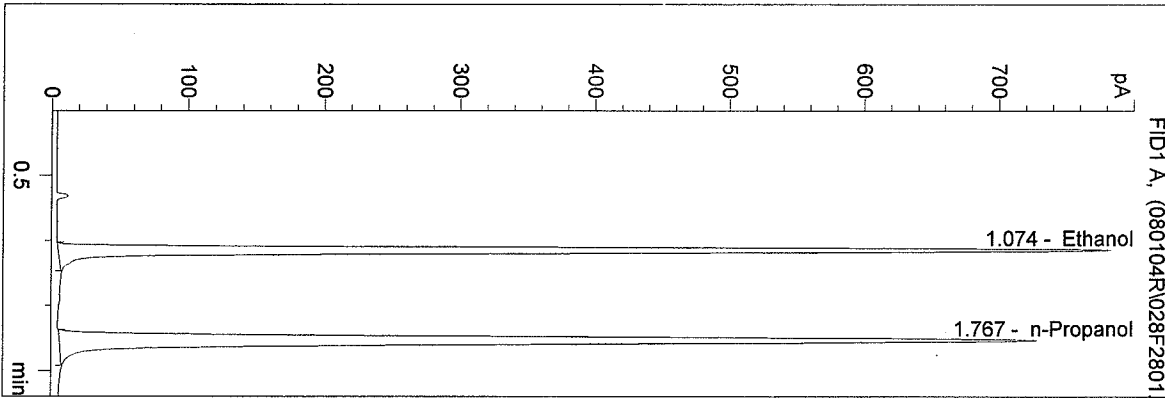
g/100mL
RF 01/17/08

RF

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/4/2008 4:52:42 PM
 Instrument 1
 DB ALC 1

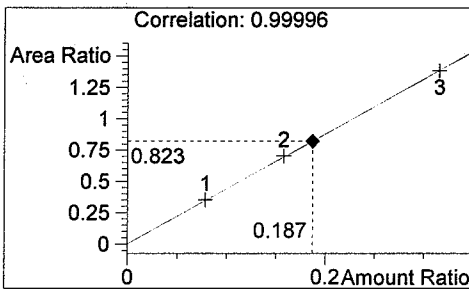
QA08005-5
 Rebecca Flaherty

vial # 28



#	Compound	Area	RT
1	Ethanol	2315	1.074
2	n-Propanol	2813	1.767

Tot

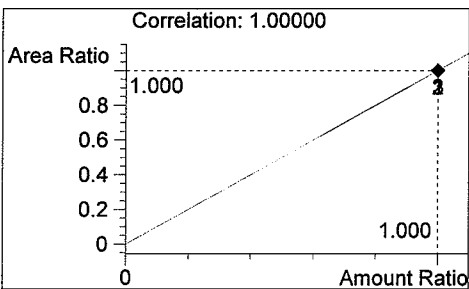


Ethanol

0.187 mg/L

g/100mL

RF 01/17/08



n-Propanol

1.000 mg/L

g/100mL

RF 01/17/08

RF

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

1/4/2008 4:55:47 PM

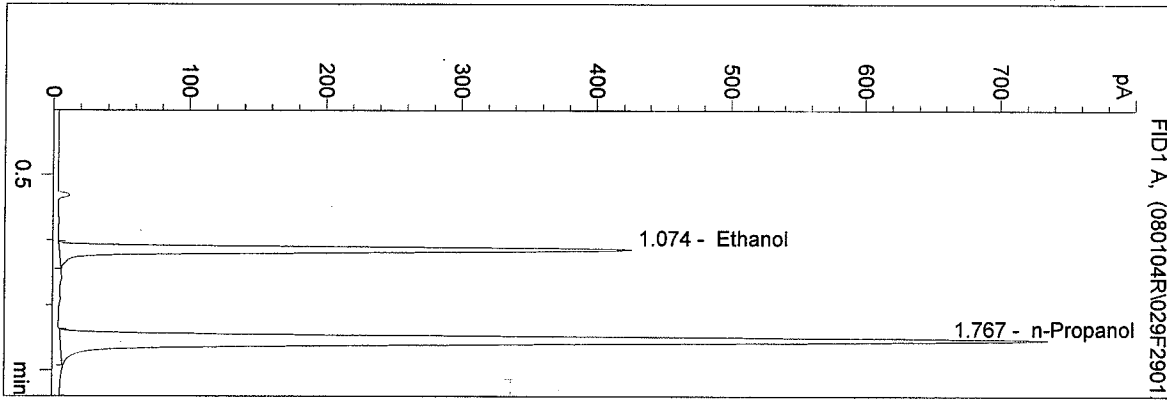
Instrument 1

DB ALC 1

0.100 Control RF

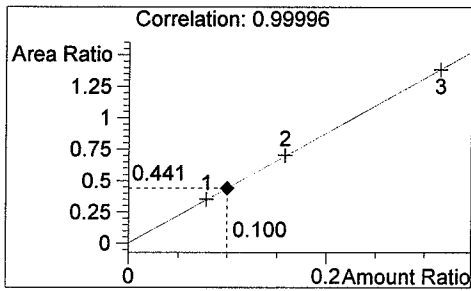
Rebecca Flaherty

vial # 29



#	Compound	Area	RT
1	Ethanol	1257	1.074
2	n-Propanol	2849	1.767

Tot			

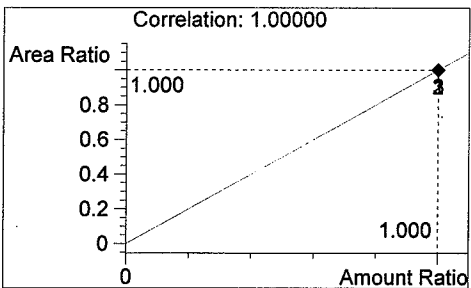


Ethanol

0.100 mg/L

g/100mL

RF 01/17/08



n-Propanol

1.000 mg/L

g/100mL

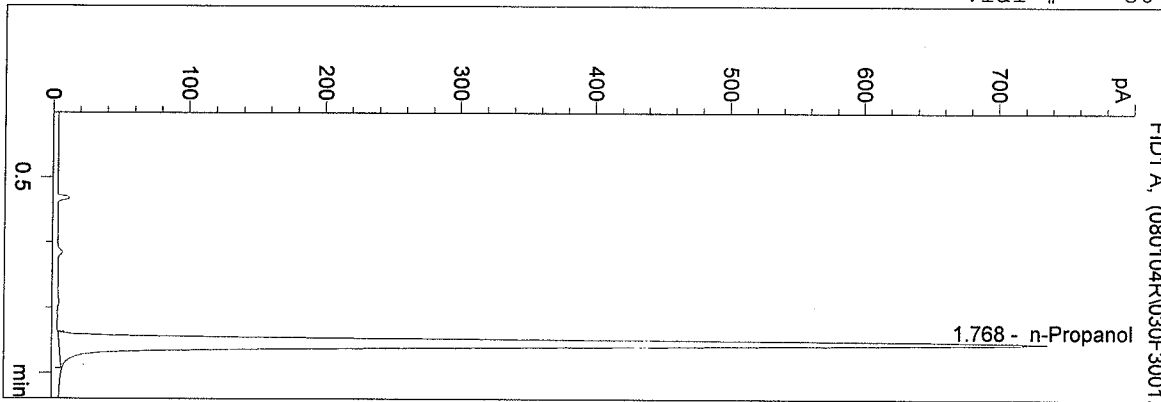
RF 01/17/08

RF

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/4/2008 4:58:51 PM
 Instrument 1
 DB ALC 1

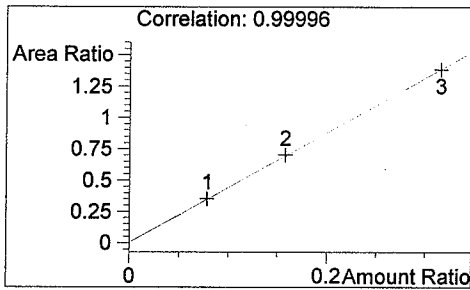
blank
 Rebecca Flaherty

vial # 30



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2863	1.768

Tot

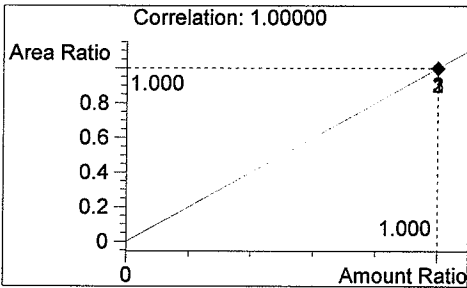


Ethanol

0.000 mg/L

g/100 mL

RF 01/17/08



n-Propanol

1.000 mg/L

g/100 mL

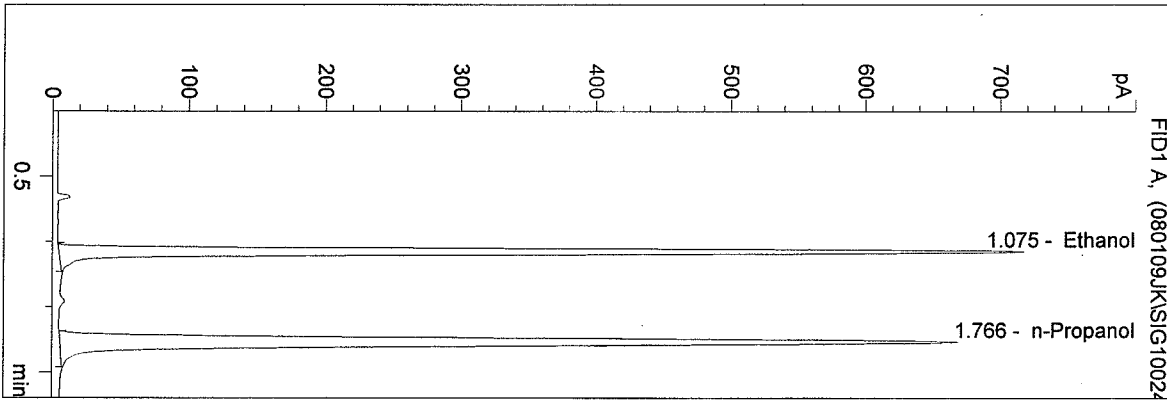
RF 01/17/08

RF

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 1/9/2008 11:05:24 AM
 Instrument 1
 DB ALC 1

08005-1
 Justin Knoy

vial # 24



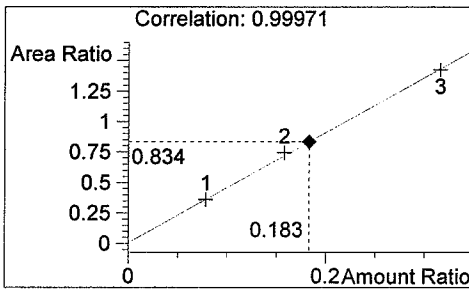
Calibration

Dose w/

ST0860144

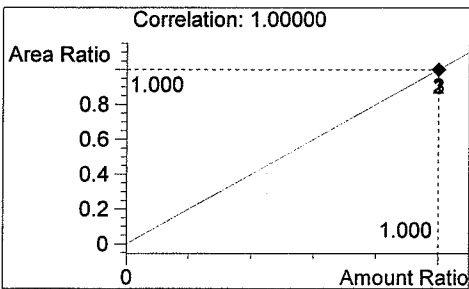
#	Compound	Area	RT
1	Ethanol	2184	1.075
2	n-Propanol	2620	1.766

Tot



Ethanol

0.183 ~~mg/L~~ g/100mL



n-Propanol

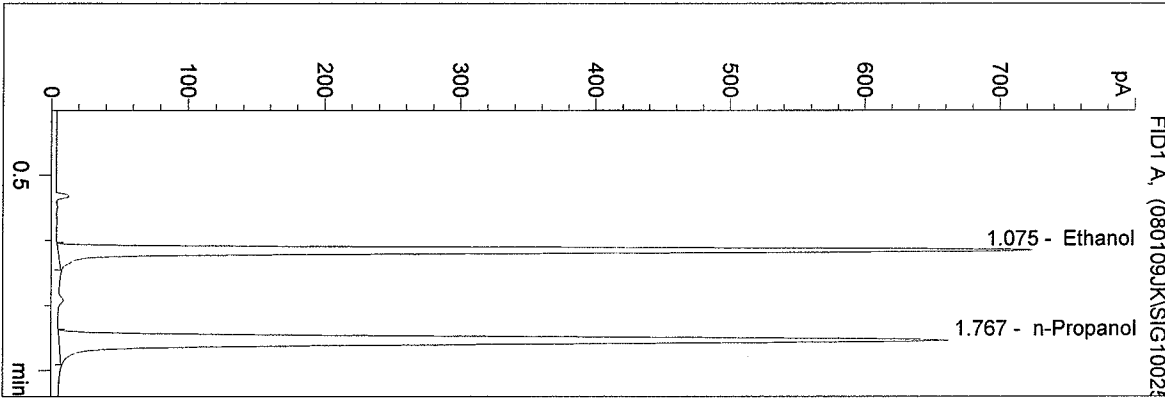
1.000 ~~mg/L~~ g/100mL

JK 1-17-08

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 1/9/2008 11:08:29 AM
 Instrument 1
 DB ALC 1

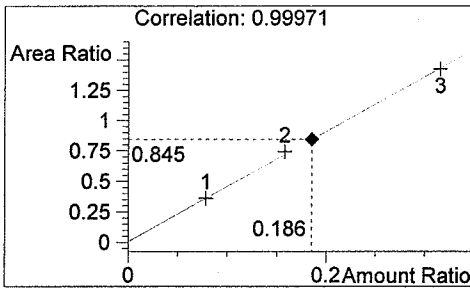
08005-2
 Justin Knoy

vial # 25



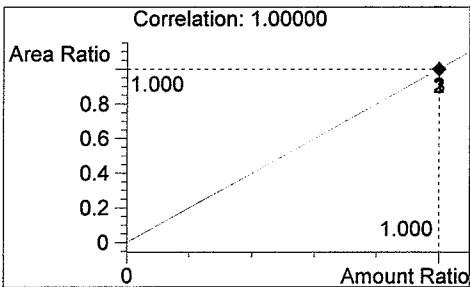
#	Compound	Area	RT
1	Ethanol	2193	1.075
2	n-Propanol	2597	1.767

Tot



Ethanol

0.186 ~~mg/L~~ g/100mL



n-Propanol

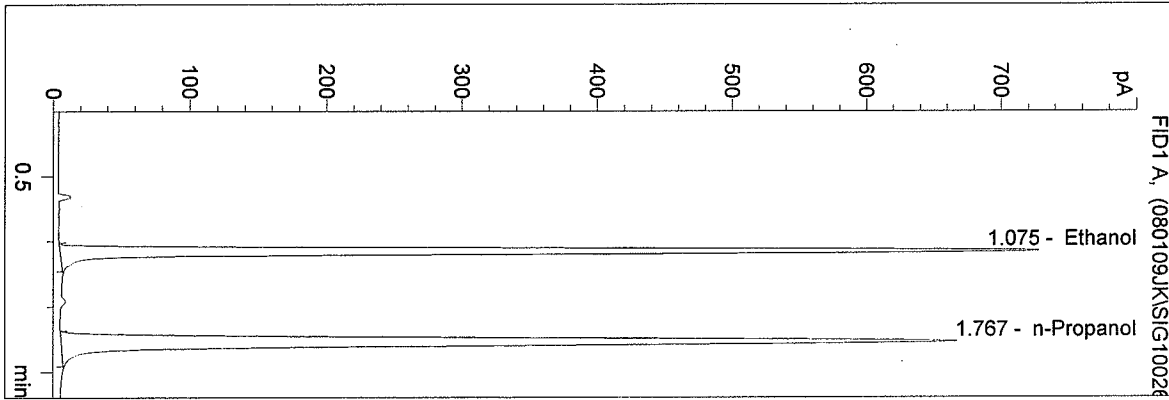
1.000 ~~mg/L~~ g/100mL

JK 1-17-08

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/9/2008 11:11:34 AM
 Instrument 1
 DB ALC 1

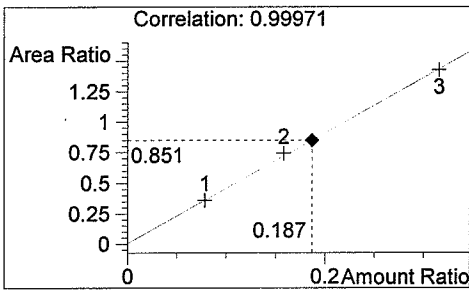
08005-3
 Justin Knoy

vial # 26



#	Compound	Area	RT
1	Ethanol	2224	1.075
2	n-Propanol	2614	1.767

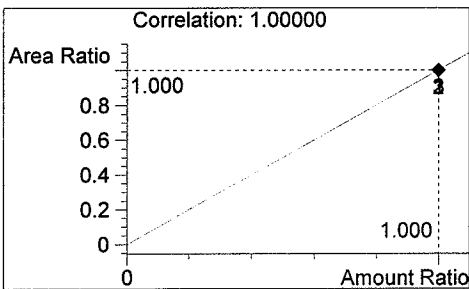
Tot



Ethanol

0.187 ~~mg/L~~ 91100mL

[Signature] 1-17-08



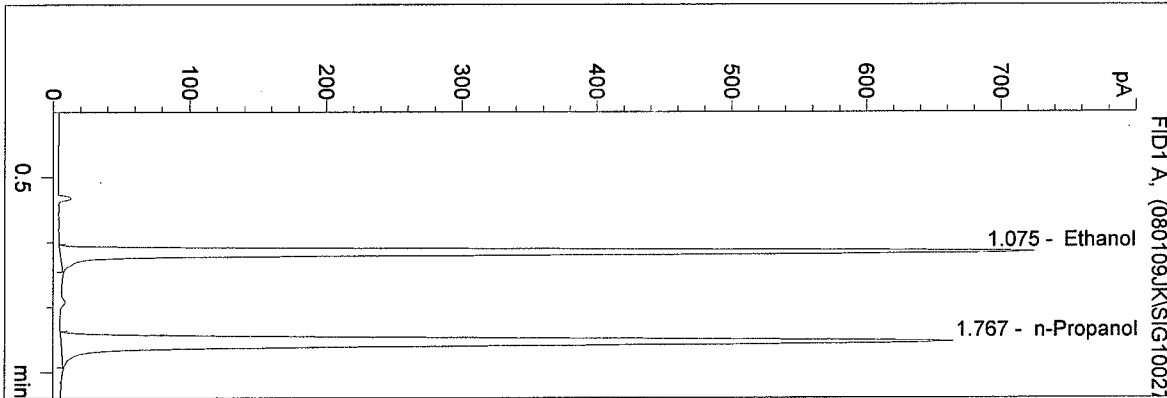
n-Propanol

1.000 ~~mg/L~~ 91100mL

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/9/2008 11:14:39 AM
 Instrument 1
 DB ALC 1

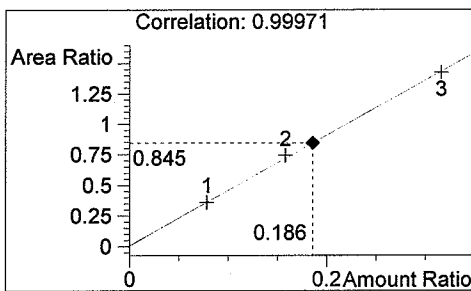
08005-4
 Justin Knoy

vial # 27



#	Compound	Area	RT
1	Ethanol	2203	1.075
2	n-Propanol	2607	1.767

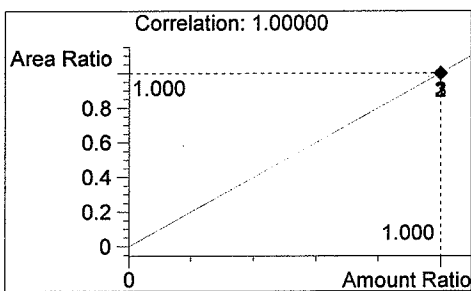
Tot



Ethanol

0.186 ~~mg/L~~ g/100mL

J 1-17-08



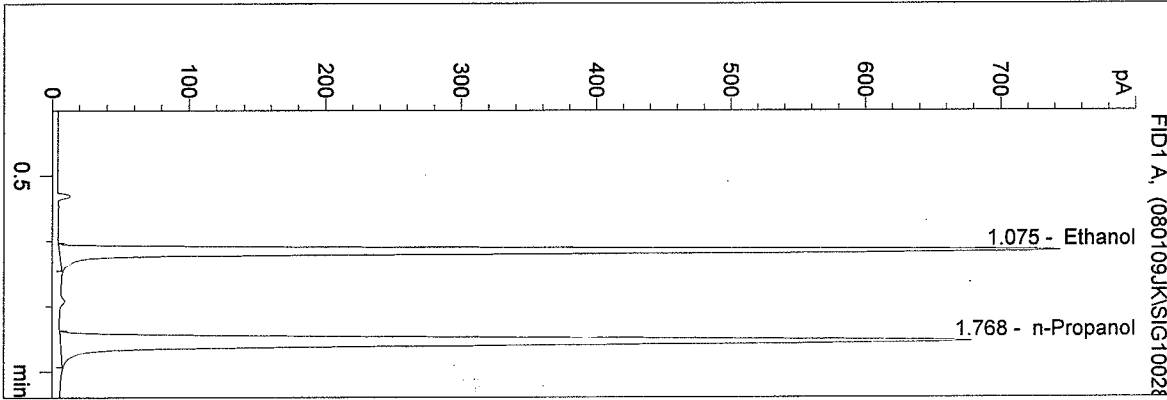
n-Propanol

1.000 ~~mg/L~~ g/100mL

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/9/2008 11:17:44 AM
 Instrument 1
 DB ALC 1

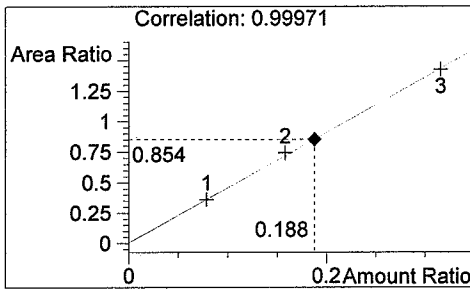
08005-5
 Justin Knoy

vial # 28



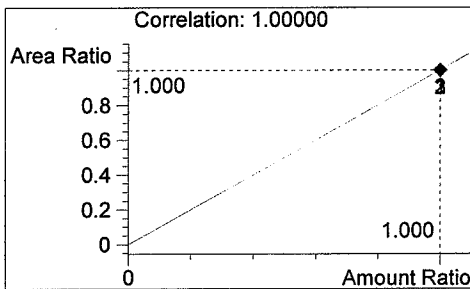
#	Compound	Area	RT
1	Ethanol	2273	1.075
2	n-Propanol	2663	1.768

Tot



Ethanol

0.188 ~~mg/L~~ g/100mL



n-Propanol

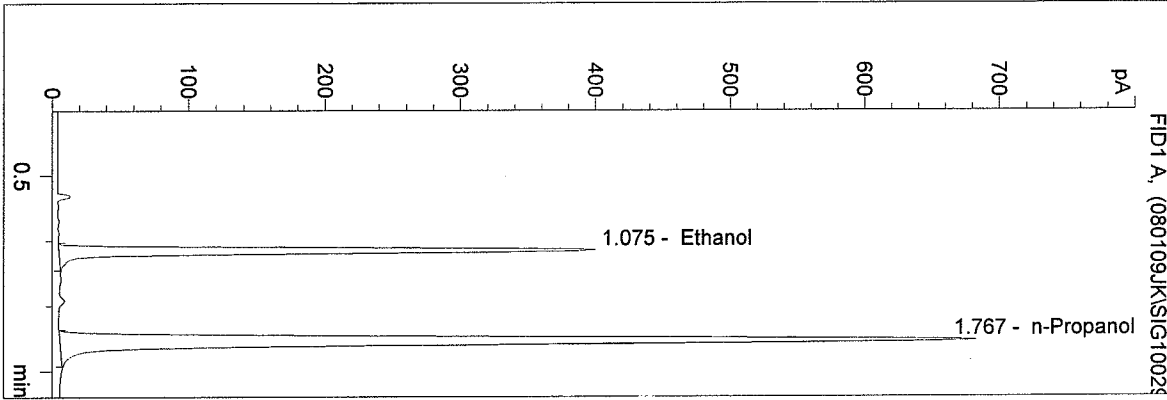
1.000 ~~mg/L~~ g/100mL

JK 1-17-08

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/9/2008 11:20:49 AM
 Instrument 1
 DB ALC 1

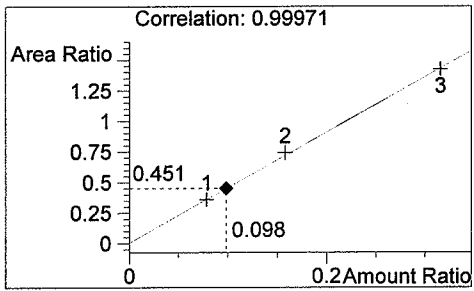
0.10 CTRL JK
 Justin Knoy

vial # 29



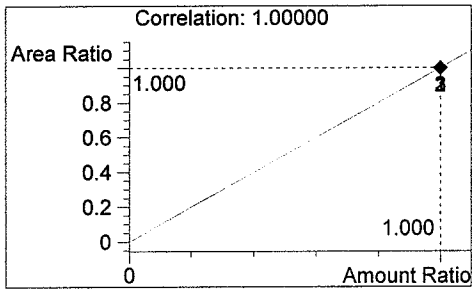
#	Compound	Area	RT
1	Ethanol	1209	1.075
2	n-Propanol	2678	1.767

Tot



Ethanol

0.098 ~~mg/L~~ g/100mL



n-Propanol

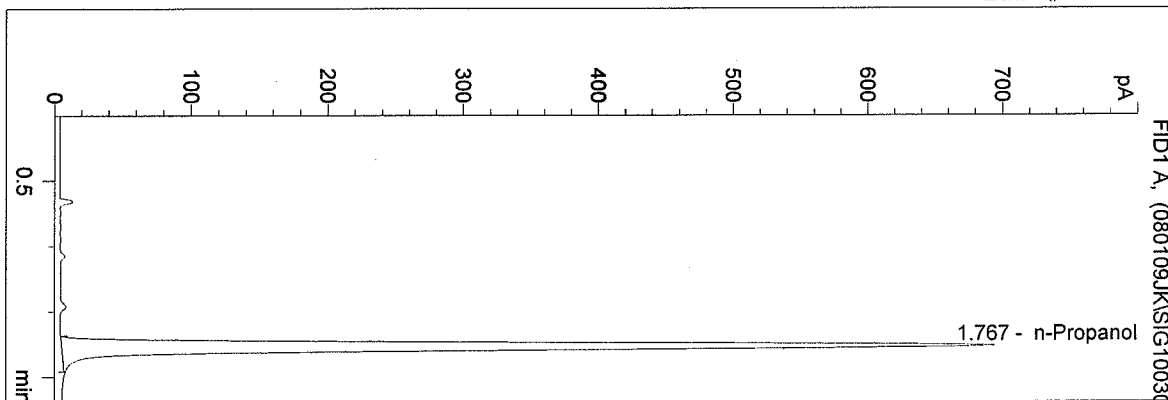
1.000 ~~mg/L~~ g/100mL

JK 1-17-08

C:\HPCHEM\1\METHODS\BLDALCO.M
 1/9/2008 11:23:53 AM
 Instrument 1
 DB ALC 1

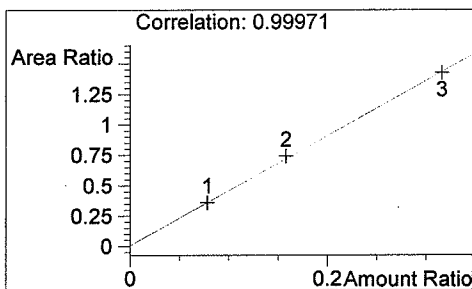
BLANK
 Justin Knoy

vial # 30



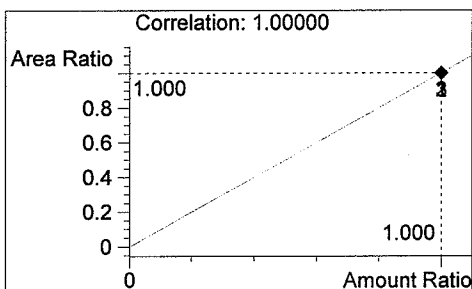
#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2721	1.767

Tot



Ethanol

0.000 ~~mg/L~~ g/100mL



n-Propanol

1.000 ~~mg/L~~ g/100mL

JH 1-17-08