



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 16026**

**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: 0.15 g/210L  
DATE PREPARED: 06/27/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Asa J. Louis

	AJL	AG	JLK
1	0.187	0.185	0.187
2	0.187	0.186	0.188
3	0.187	0.189	0.187
4	0.189	0.189	0.188
5	0.188	0.189	0.188
C	0.101	0.102	0.101

**ETHANOL CONTROL INFORMATION**

LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1876 g/100mL PRECISION CV (%): 0.63  
STANDARD DEVIATION: 0.00118 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1525 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Lisa Noble*  
\_\_\_\_\_  
Lisa Noble Forensic Scientist Supervisor

7/29/16  
\_\_\_\_\_  
DATE REPORT ISSUED

**THIS TESTING WAS PERFORMED BY:**

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis	<i>Asa J. Louis</i>	06/27/2016
AG	Andrew Gingras	<i>Andrew Gingras</i>	06/28/2016
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	06/30/2016

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

QAP Solution Batch #: 16026

Date Prepared: 6/27/2016

Analyst: AJL AG JLK  
Date Tested: 6/27/2016 6/28/2016 6/30/2016  
Instrument: HSGC #1 HSGC #1 HSGC #1

1	0.187	0.185	0.187
2	0.187	0.186	0.188
3	0.187	0.189	0.187
4	0.189	0.189	0.188
5	0.188	0.189	0.188
C	0.101	0.102	0.101

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000026520	0.0000108206	0.0001016326

Ethanol Control Lot #: FN08051301  
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1876 g/100mL  
Standard Deviation: 0.00118 g/100mL  
Precision CV (%): 0.63  
Equivalent Vapor Concentration: 0.1525 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0017 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0034 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 7/6/16  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 7-28-16  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 7/6/16  
Name Signature Date

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 7-28-14

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16026

	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: 7-28-14



**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 Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	7/7/16
<b>Asa Louis</b>	<i>AL</i>	20160704
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>		
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Kroy</b>	<i>JK</i>	7.7.16
<b>Katie Harris</b>		
<b>Lyndsey Lowe</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 16026 for 7/6/16

*RL*

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16026**

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: B.S. degree in Biochemistry and over ten years of toxicology experience.

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The quality assurance procedure (QAP) solution, Lot Number 16026, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and 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 6/27/2017.

---

Seattle, WA

 20160706

Asa J. Louis

Date

Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16026**

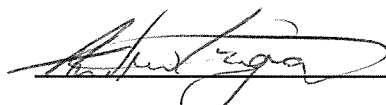
I, Andrew Gingras, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

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

The quality assurance procedure (QAP) solution, Lot Number 16026, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and 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 6/27/2017.

Seattle, WA

 7/7/2016  
Andrew Gingras Date  
Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16026**

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

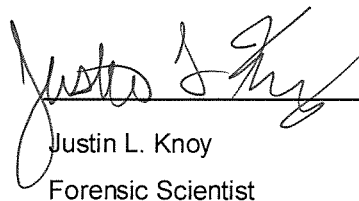
I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

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

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The quality assurance procedure (QAP) solution, Lot Number 16026, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and 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 6/27/2017.

Seattle, WA

 7.7.16  
Justin L. Knoy Date  
Forensic Scientist



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

Preparation Date: 20160627 Expiration Date: 20170627 Initials of Preparer: AK

Lot # of 200-proof Ethanol used in preparation: ZDK 0010

Date the 200-proof Ethanol bottle was opened: 20160608

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.

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>16023</u>
<del>QAP 0.08</del>	<del>22.4</del>	<del>18</del>	<del><input checked="" type="checkbox"/></del>	<del>16024</del> (12.4 mL) or 20160627
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>16025</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16026</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16027</u>
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed  20160627  
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: QAP 16024 discarded - incorrect volume of EtOH used

[Signature]  
Analyst Signature

20160627  
Date



Sequence Parameters:

Operator: asa louis  
 Data File Naming: Auto  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 160627AL  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0416-01 exp 10/01/2016  
 cal 2 e0416-02 exp 10/01/2016  
 cal 3 e0416-03 exp 10/01/2016  
 0.04 control - lot ~~fn15011301~~ *FN05011301* exp 05/2018  
 0.10 control - lot fn08051301 exp 10/2018  
 0.20 control - lot fn03211401 exp 06/2019  
 istd p0516 exp 08/31/2016  
 cal data in qap 16023

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 - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	qap 16023 #1	SIMALC1	1	Sample		
11	Vial 11	qap 16023 #2	SIMALC1	1	Sample		
12	Vial 12	qap 16023 #3	SIMALC1	1	Sample		
13	Vial 13	qap 16023 #4	SIMALC1	1	Sample		
14	Vial 14	qap 16023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	qap 16024 #1	SIMALC1	1	Sample		
18	Vial 18	qap 16024 #2	SIMALC1	1	Sample		
19	Vial 19	qap 16024 #3	SIMALC1	1	Sample		
20	Vial 20	qap 16024 #4	SIMALC1	1	Sample		
21	Vial 21	qap 16024 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC1	1	Ctrl Samp		
24	Vial 24	qap 16025 #1	SIMALC1	1	Sample		
25	Vial 25	qap 16025 #2	SIMALC1	1	Sample		
26	Vial 26	qap 16025 #3	SIMALC1	1	Sample		
27	Vial 27	qap 16025 #4	SIMALC1	1	Sample		
28	Vial 28	qap 16025 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC1	1	Ctrl Samp		

16026  
*fn7/6/16*

*A*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
31	Vial 31	qap 16026 #1	SIMALC1	1	Sample		
32	Vial 32	qap 16026 #2	SIMALC1	1	Sample		
33	Vial 33	qap 16026 #3	SIMALC1	1	Sample		
34	Vial 34	qap 16026 #4	SIMALC1	1	Sample		
35	Vial 35	qap 16026 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC1	1	Ctrl Samp		
38	Vial 38	qap 16027 #1	SIMALC1	1	Sample		
39	Vial 39	qap 16027 #2	SIMALC1	1	Sample		
40	Vial 40	qap 16027 #3	SIMALC1	1	Sample		
41	Vial 41	qap 16027 #4	SIMALC1	1	Sample		
42	Vial 42	qap 16027 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
44	Vial 44	neg ctrl - al	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!

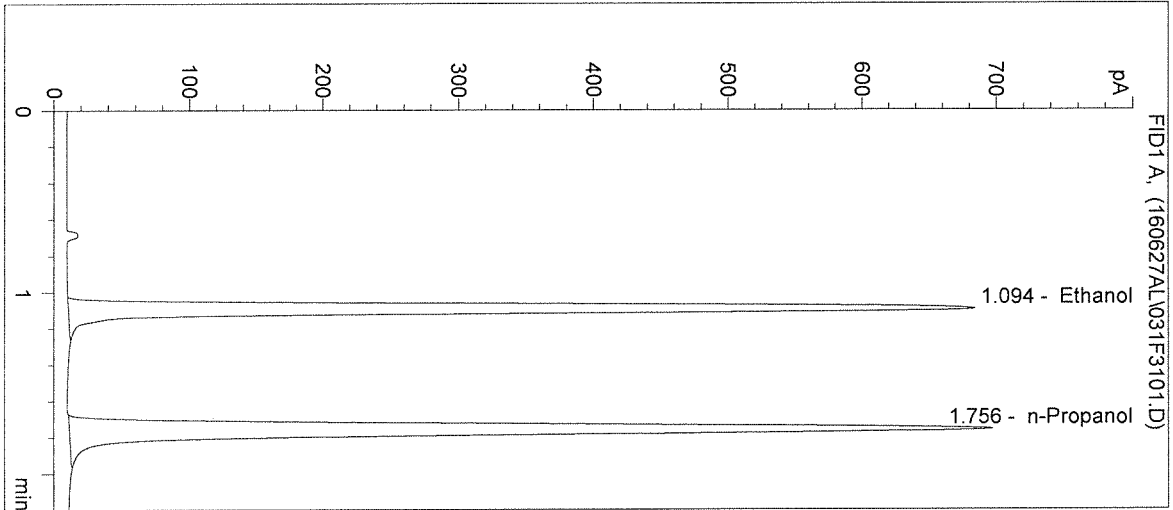
16026  
7/16/16

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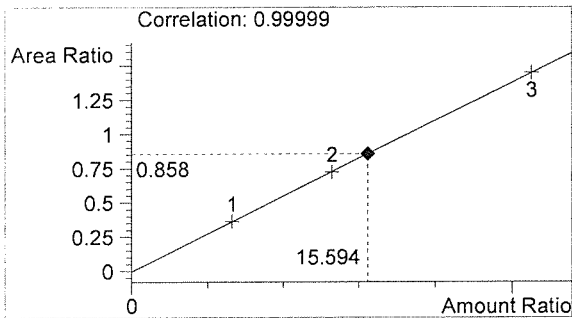
Inj. Date: 6/27/2016 11:54:53 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16026 #1  
 Operator: asa louis  
 Location: Vial 31

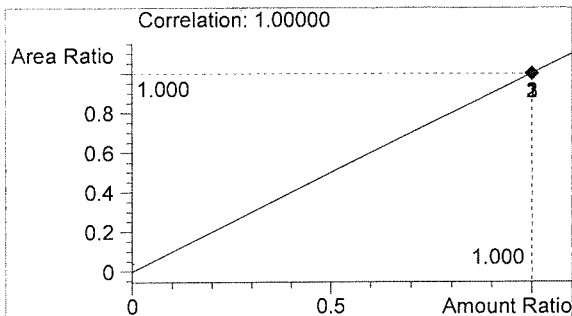
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2334	1.094
2	n-Propanol	2722	1.756



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten signature*

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Inj. Date: 6/27/2016 11:58:06 AM

Sample Name: gap 16026 #2

Instrument: HSGC#1

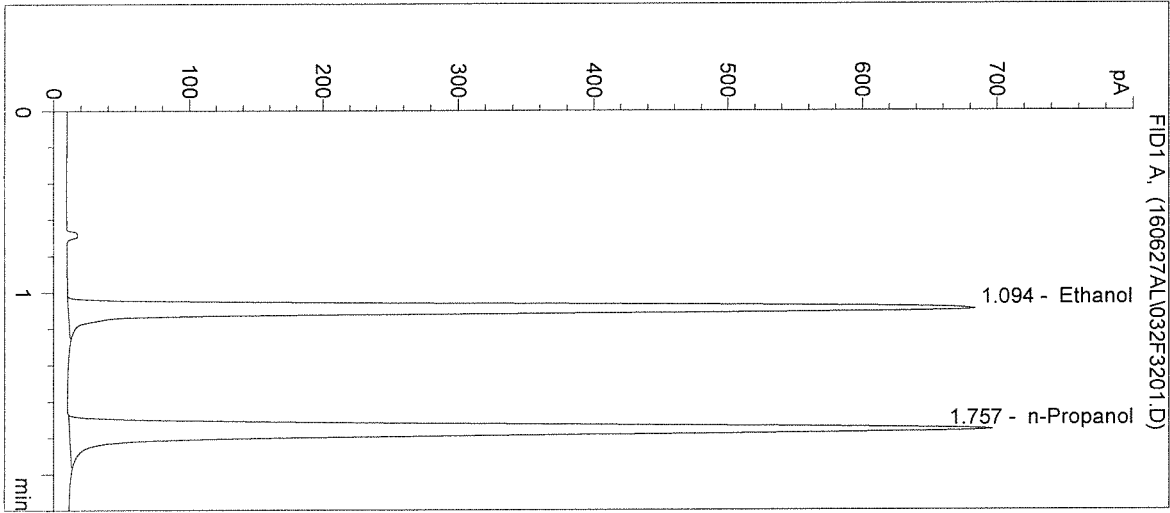
Operator: asa louis

Column: DB-ALC1

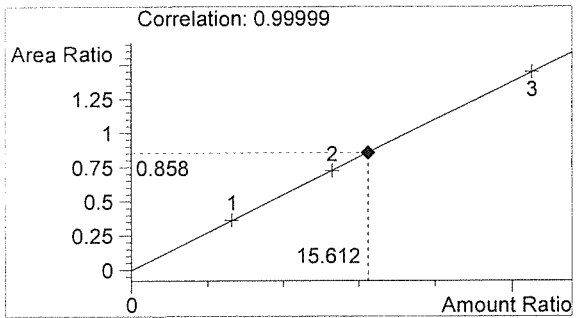
Location: Vial 32

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

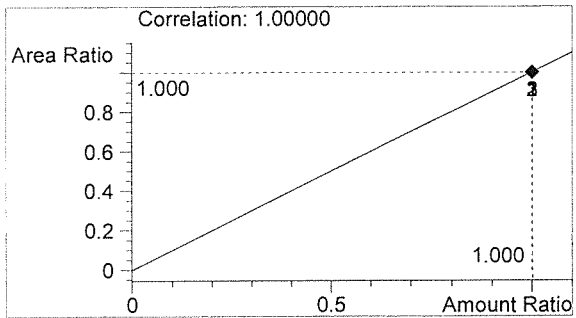
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2336	1.094
2	n-Propanol	2721	1.757



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

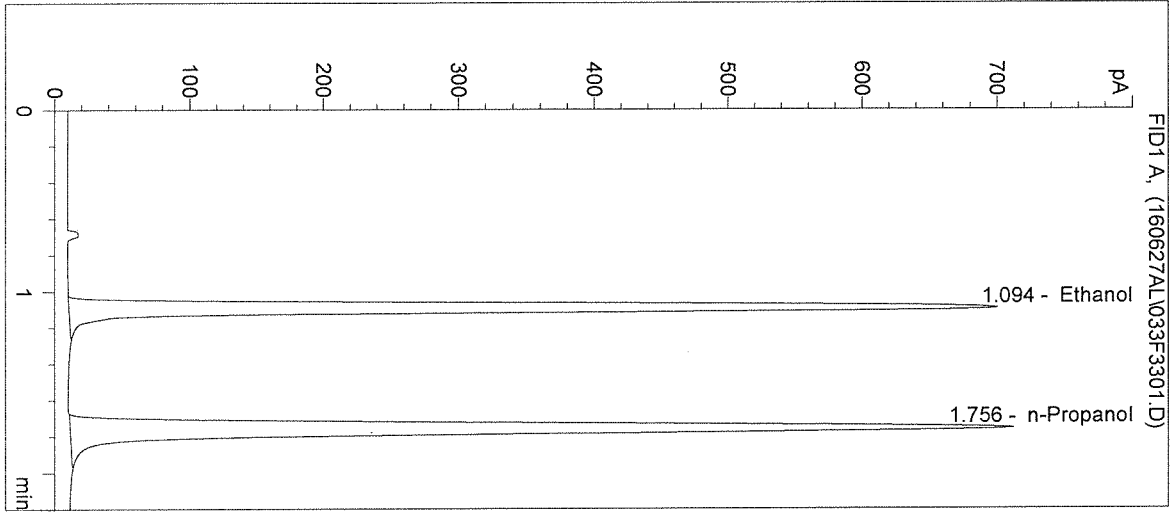
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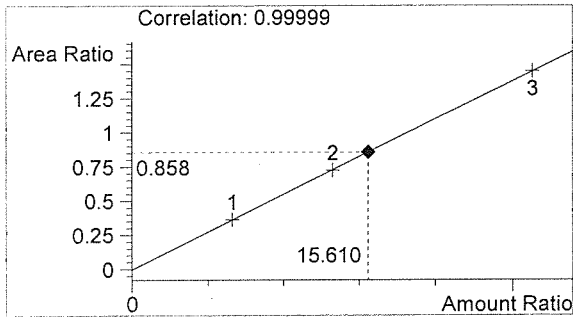
Inj. Date: 6/27/2016 12:01:20 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16026 #3  
 Operator: asa louis  
 Location: Vial 33

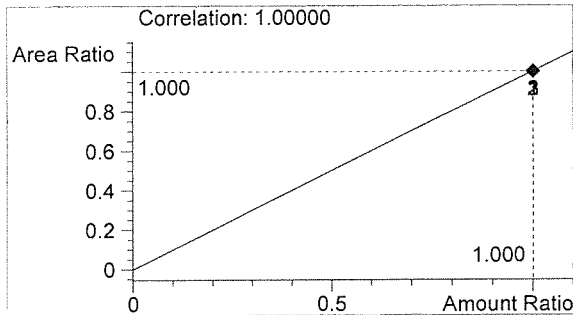
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2385	1.094
2	n-Propanol	2779	1.756



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

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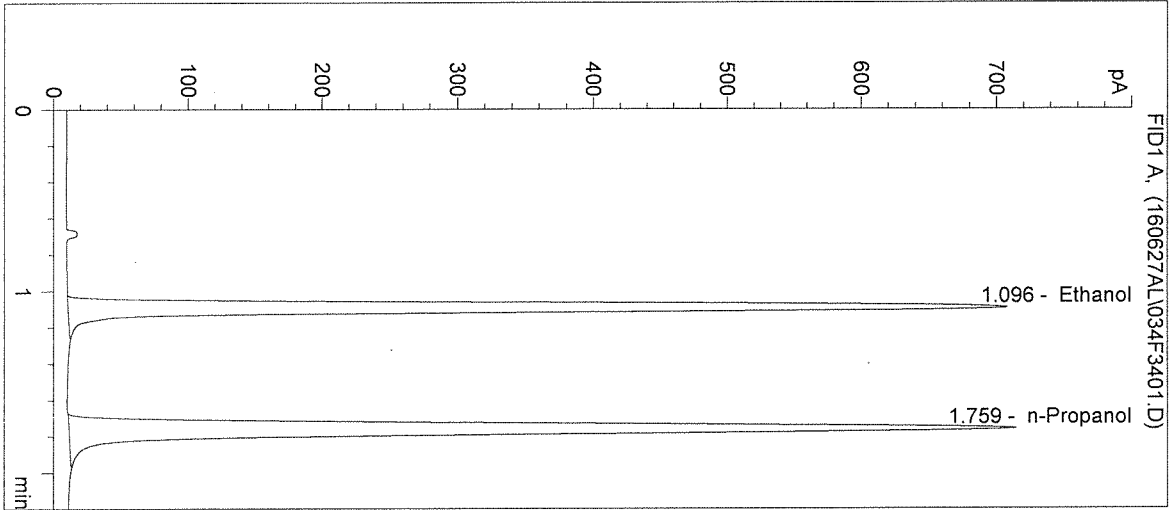
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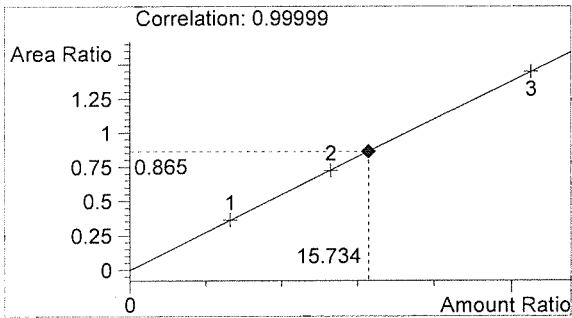
Inj. Date: 6/27/2016 12:04:33 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16026 #4  
 Operator: asa louis  
 Location: Vial 34

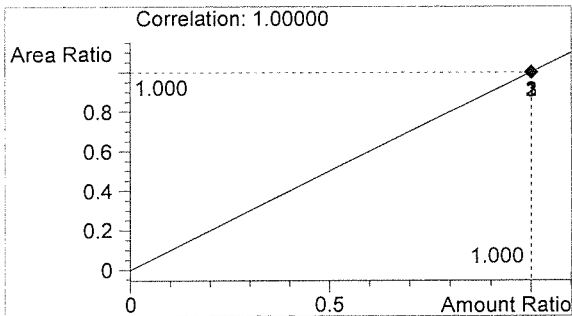
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2430	1.096
2	n-Propanol	2809	1.759



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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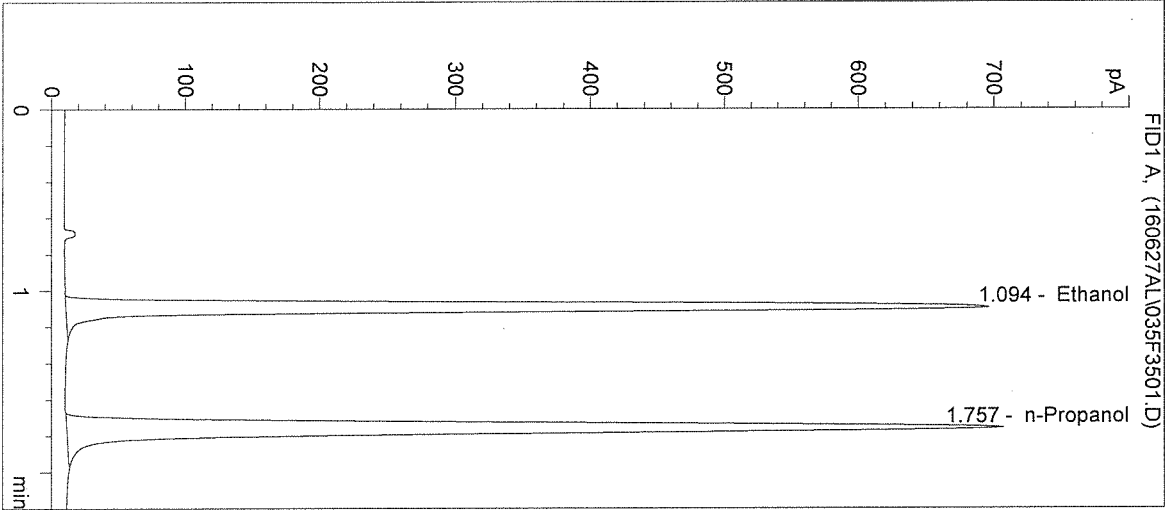
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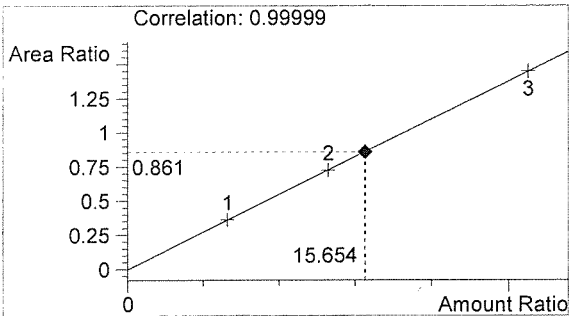
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Sample Name: qap 16026 #5  
 Operator: asa louis  
 Location: Vial 35

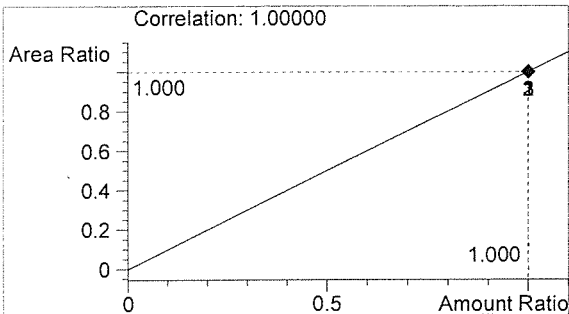
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2381	1.094
2	n-Propanol	2766	1.757



Ethanol 0.188 g/100mL



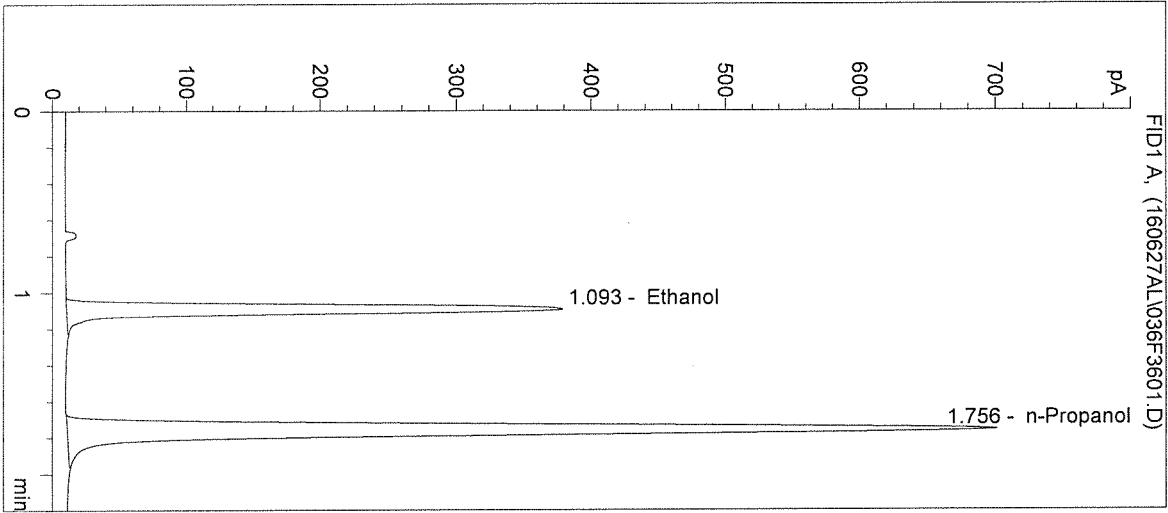
n-Propanol 0.012 g/100mL

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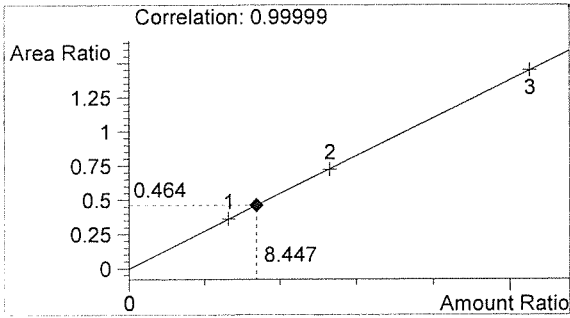
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 2203 Airport Way S Seattle, WA 98134

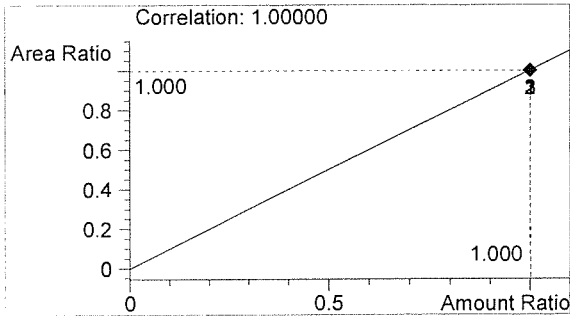
Inj. Date: 6/27/2016 12:10:59 PM      Sample Name: 0.10 ctrl - al  
 Instrument: HSGC#1      Operator: asa louis  
 Column: DB-ALC1      Location: Vial 36  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: qap 16026



#	Compound	Peak Area	RT (min)
1	Ethanol	1267	1.093
2	n-Propanol	2733	1.756



Ethanol      0.101 g/100mL



n-Propanol      0.012 g/100mL

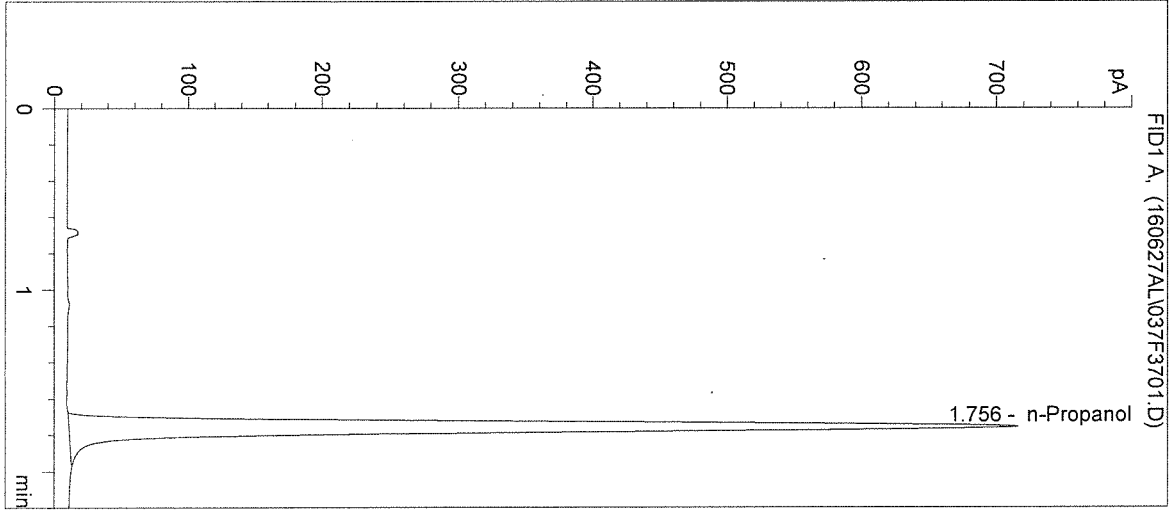
*fu*

*or*

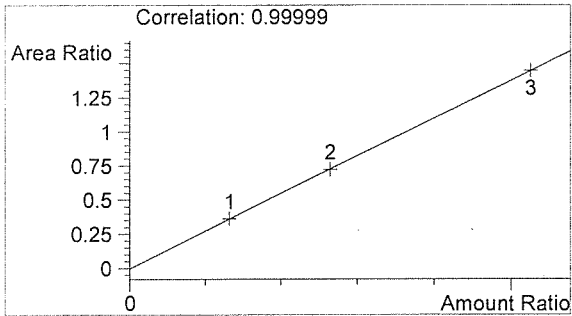


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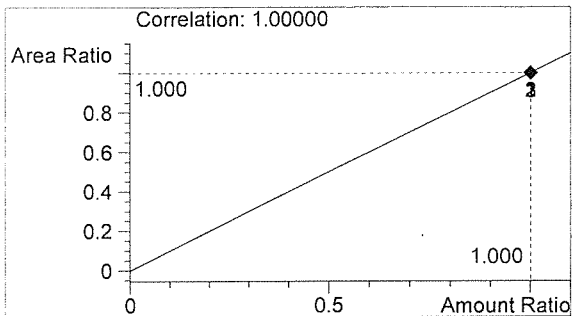
Inj. Date: 6/27/2016 12:14:12 PM      Sample Name: neg ctrl - al  
 Instrument: HSGC#1      Operator: asa louis  
 Column: DB-ALC1      Location: Vial 37  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: qap 16026



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2797	1.756



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*asa*

*asa*

Sequence Parameters:

Operator: Andrew Gingras  
 Data File Naming: Auto  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 160628A2  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0416-01 exp 10/01/2016  
 cal 2 e0416-02 exp 10/01/2016  
 cal 3 e0416-03 exp 10/01/2016  
 0.04 control - lot fn05011301 exp 05/2018  
 0.10 control - lot fn08051301 exp 10/2018  
 0.20 control - lot fn03211401 exp 06/2019  
 istd p0516 exp 08/31/2016  
  
 cal data in gap 16023

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	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg ctrl	SIMALC1	1	Ctrl Samp		
10	Vial 10	gap 16023 #1	SIMALC1	1	Sample		
11	Vial 11	gap 16023 #2	SIMALC1	1	Sample		
12	Vial 12	gap 16023 #3	SIMALC1	1	Sample		
13	Vial 13	gap 16023 #4	SIMALC1	1	Sample		
14	Vial 14	gap 16023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl	SIMALC1	1	Ctrl Samp		
17	Vial 17	gap 16025 #1	SIMALC1	1	Sample		
18	Vial 18	gap 16025 #2	SIMALC1	1	Sample		
19	Vial 19	gap 16025 #3	SIMALC1	1	Sample		
20	Vial 20	gap 16025 #4	SIMALC1	1	Sample		
21	Vial 21	gap 16025 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl	SIMALC1	1	Ctrl Samp		
24	Vial 24	gap 16026 #1	SIMALC1	1	Sample		
25	Vial 25	gap 16026 #2	SIMALC1	1	Sample		
26	Vial 26	gap 16026 #3	SIMALC1	1	Sample		
27	Vial 27	gap 16026 #4	SIMALC1	1	Sample		
28	Vial 28	gap 16026 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl	SIMALC1	1	Ctrl Samp		

16026  
 R-7/6/16

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
31	Vial 31	qap 16027 #1	SIMALC1	1	Sample		
32	Vial 32	qap 16027 #2	SIMALC1	1	Sample		
33	Vial 33	qap 16027 #3	SIMALC1	1	Sample		
34	Vial 34	qap 16027 #4	SIMALC1	1	Sample		
35	Vial 35	qap 16027 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl	SIMALC1	1	Ctrl Samp		
38	Vial 38	qap 16028 #1	SIMALC1	1	Sample		
39	Vial 39	qap 16028 #2	SIMALC1	1	Sample		
40	Vial 40	qap 16028 #3	SIMALC1	1	Sample		
41	Vial 41	qap 16028 #4	SIMALC1	1	Sample		
42	Vial 42	qap 16028 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 ctrl	SIMALC1	1	Ctrl Samp		
44	Vial 44	neg ctrl	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!

16026

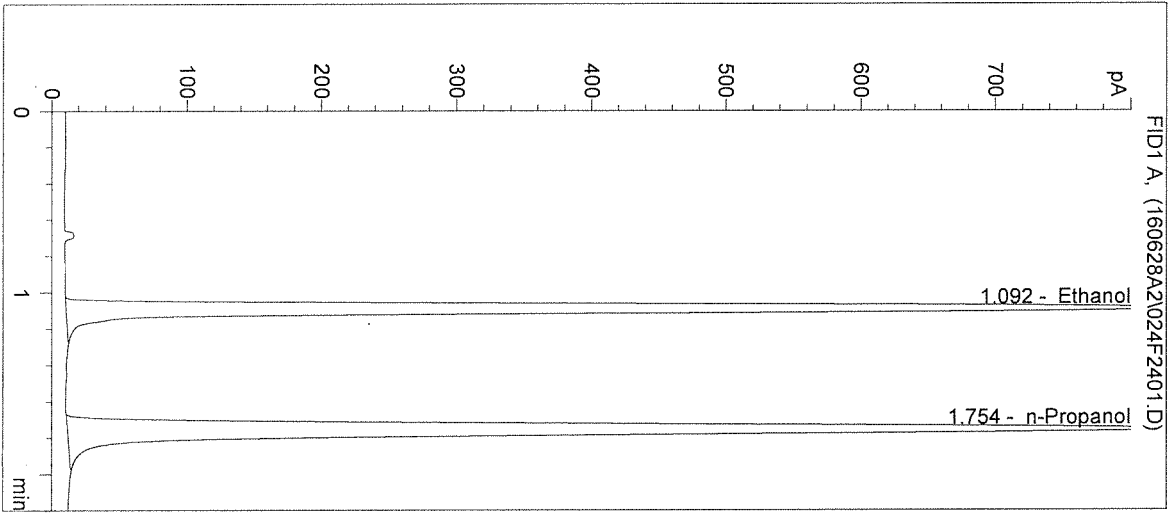
*for 16/16*

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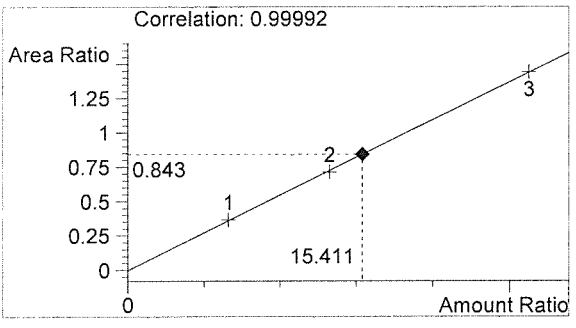
Inj. Date: 6/28/2016 9:50:04 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16026 #1  
 Operator: Andrew Gingras  
 Location: Vial 24

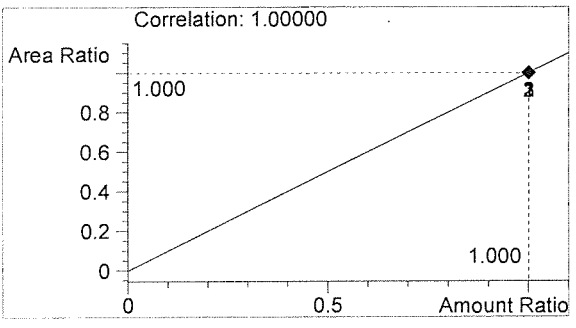
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2807	1.092
2	n-Propanol	3331	1.754



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/28/2016 9:53:17 AM

Sample Name: gap 16026 #2

Instrument: HSGC#1

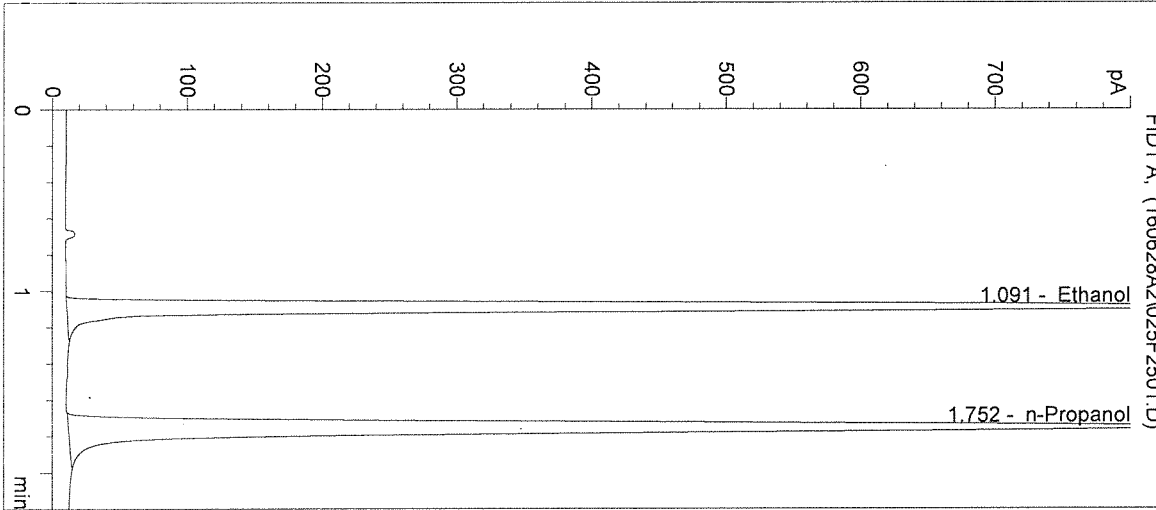
Operator: Andrew Gingras

Column: DB-ALC1

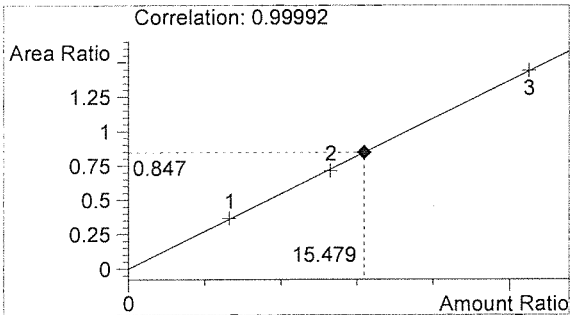
Location: Vial 25

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

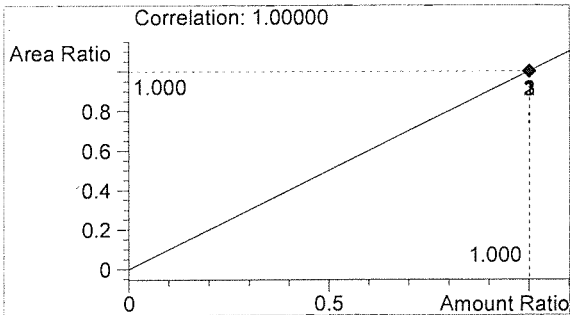
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2852	1.091
2	n-Propanol	3369	1.752



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

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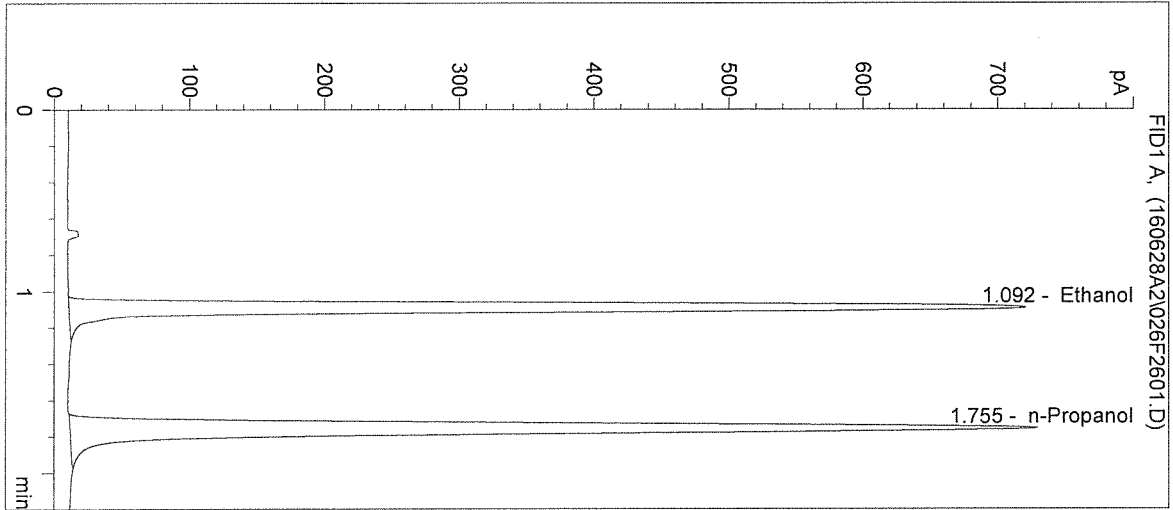
*Handwritten signature*

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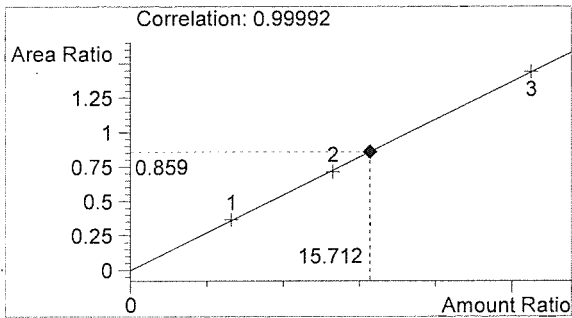
Inj. Date: 6/28/2016 9:56:31 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: qap 16026 #3  
 Operator: Andrew Gingras  
 Location: Vial 26

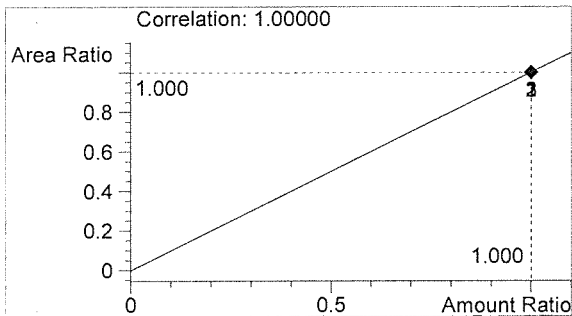
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2446	1.092
2	n-Propanol	2847	1.755



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/28/2016 9:59:44 AM

Sample Name: gap 16026 #4

Instrument: HSGC#1

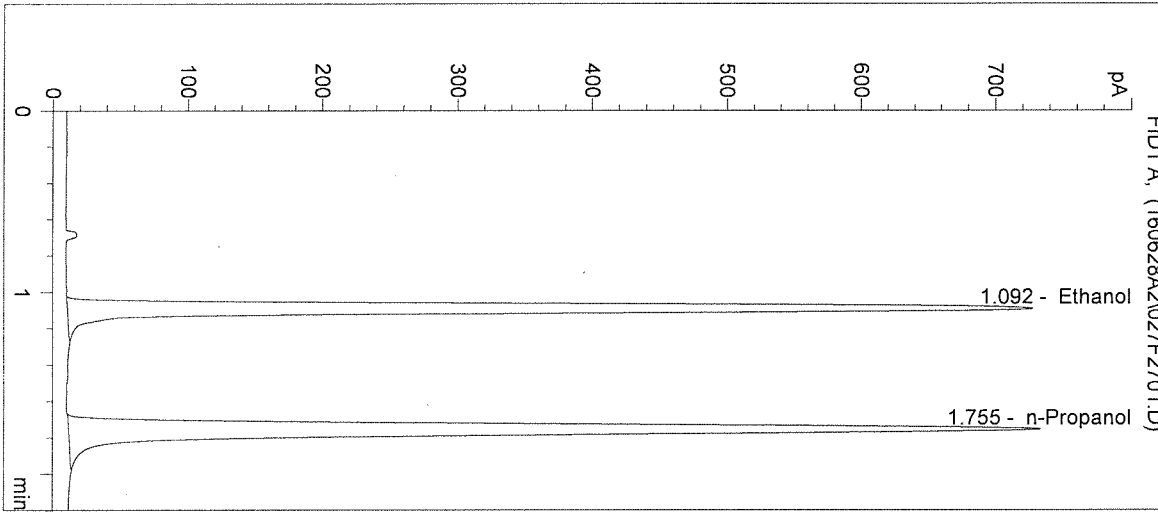
Operator: Andrew Gingras

Column: DB-ALC1

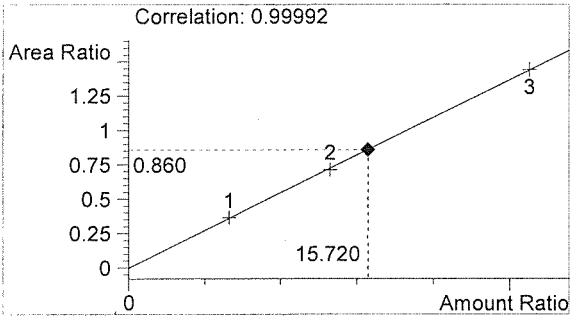
Location: Vial 27

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

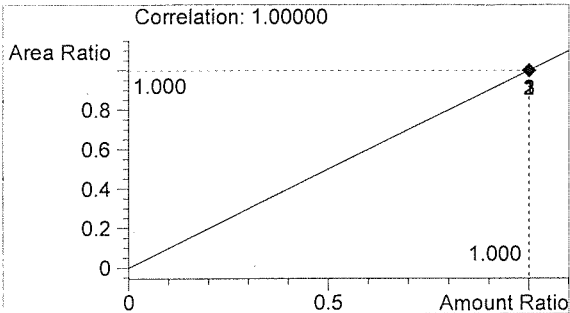


#	Compound	Peak Area	RT (min)
1	Ethanol	2471	1.092
2	n-Propanol	2874	1.755



Ethanol 0.189 g/100mL

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n-Propanol 0.012 g/100mL

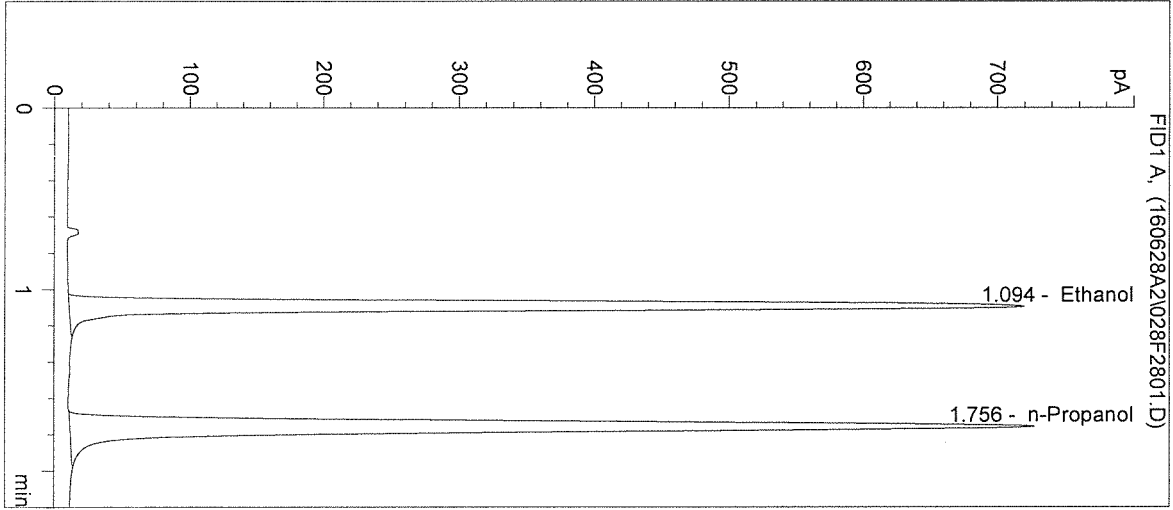
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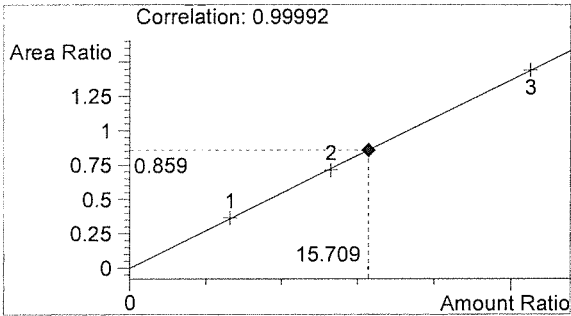
Inj. Date: 6/28/2016 10:02:57 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: qap 16026 #5  
 Operator: Andrew Gingras  
 Location: Vial 28

Sample Info:

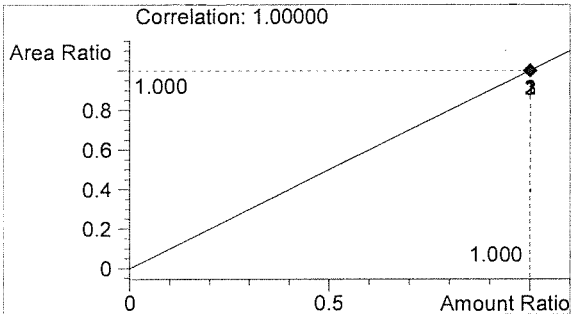


#	Compound	Peak Area	RT (min)
1	Ethanol	2455	1.094
2	n-Propanol	2857	1.756



Ethanol 0.189 g/100mL

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n-Propanol 0.012 g/100mL

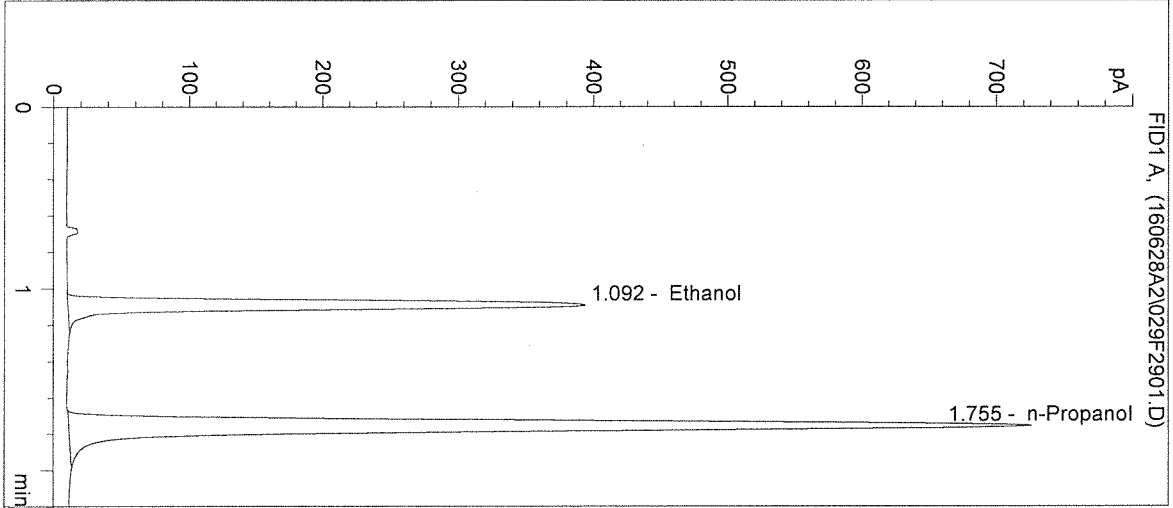
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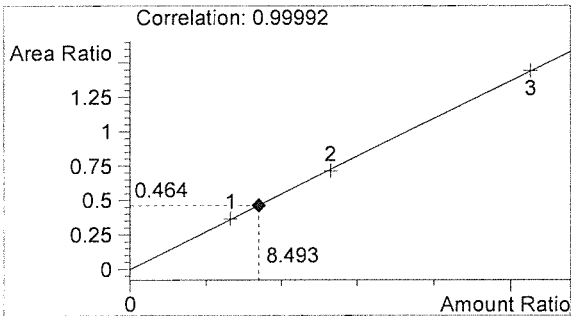
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Inj. Date: 6/28/2016 10:06:10 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: qap 16026

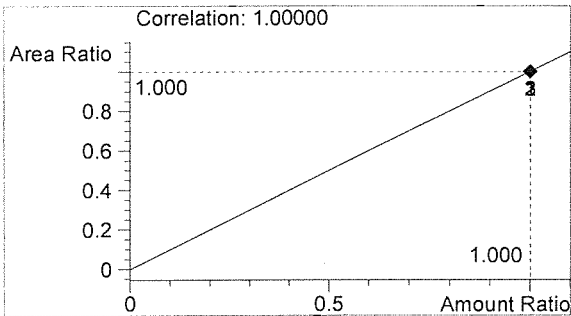
Sample Name: 0.10 ctrl  
 Operator: Andrew Gingras  
 Location: Vial 29



#	Compound	Peak Area	RT (min)
1	Ethanol	1318	1.092
2	n-Propanol	2839	1.755



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

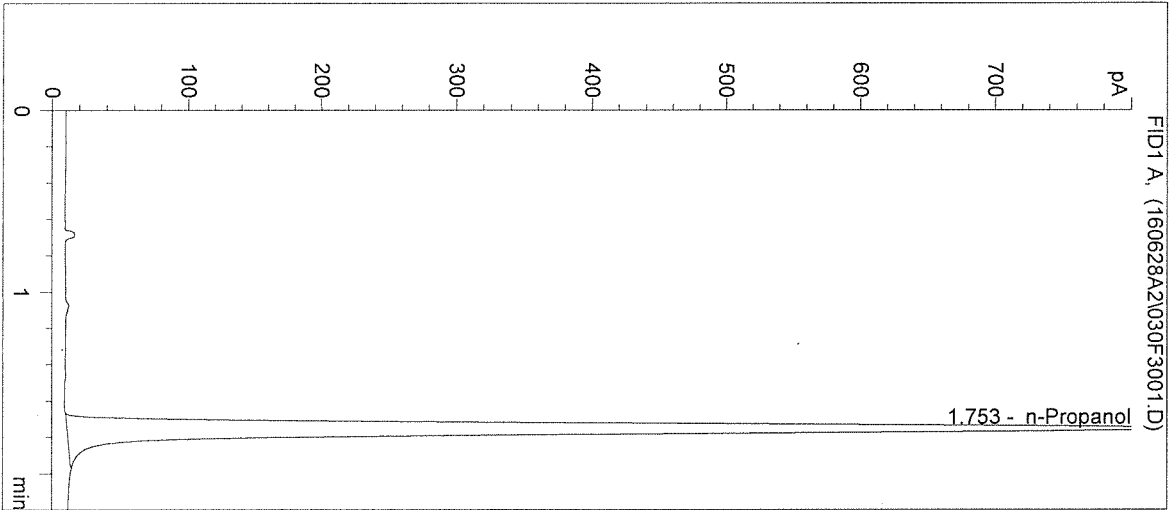
*Handwritten initials*

*Handwritten signature*

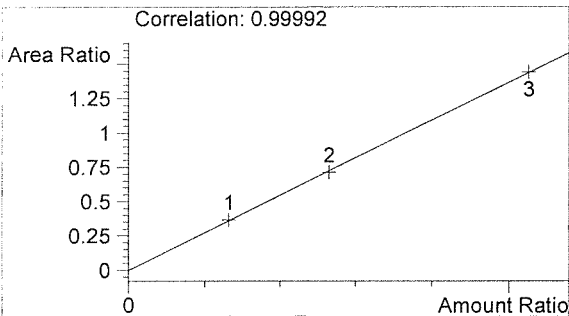
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Inj. Date: 6/28/2016 10:09:24 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: qap 16026

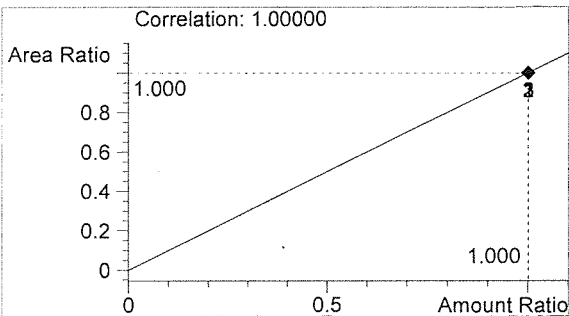
Sample Name: neg ctrl  
 Operator: Andrew Gingras  
 Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3291	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*AG*

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: 160630JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016  
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018  
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019  
 Internal Standard Lot#P0516 - Exp. 08/31/2016

Calibration vials 1-9 filed with 16023.

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	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16023-1	SIMALC1	1	Sample		
11	Vial 11	16023-2	SIMALC1	1	Sample		
12	Vial 12	16023-3	SIMALC1	1	Sample		
13	Vial 13	16023-4	SIMALC1	1	Sample		
14	Vial 14	16023-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16025-1	SIMALC1	1	Sample		
18	Vial 18	16025-2	SIMALC1	1	Sample		
19	Vial 19	16025-3	SIMALC1	1	Sample		
20	Vial 20	16025-4	SIMALC1	1	Sample		
21	Vial 21	16025-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16026-1	SIMALC1	1	Sample		
25	Vial 25	16026-2	SIMALC1	1	Sample		
26	Vial 26	16026-3	SIMALC1	1	Sample		

16026

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16026-4	SIMALC1	1	Sample		
28	Vial 28	16026-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16027-1	SIMALC1	1	Sample		
32	Vial 32	16027-2	SIMALC1	1	Sample		
33	Vial 33	16027-3	SIMALC1	1	Sample		
34	Vial 34	16027-4	SIMALC1	1	Sample		
35	Vial 35	16027-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	16028-1	SIMALC1	1	Sample		
39	Vial 39	16028-2	SIMALC1	1	Sample		
40	Vial 40	16028-3	SIMALC1	1	Sample		
41	Vial 41	16028-4	SIMALC1	1	Sample		
42	Vial 42	16028-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	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!

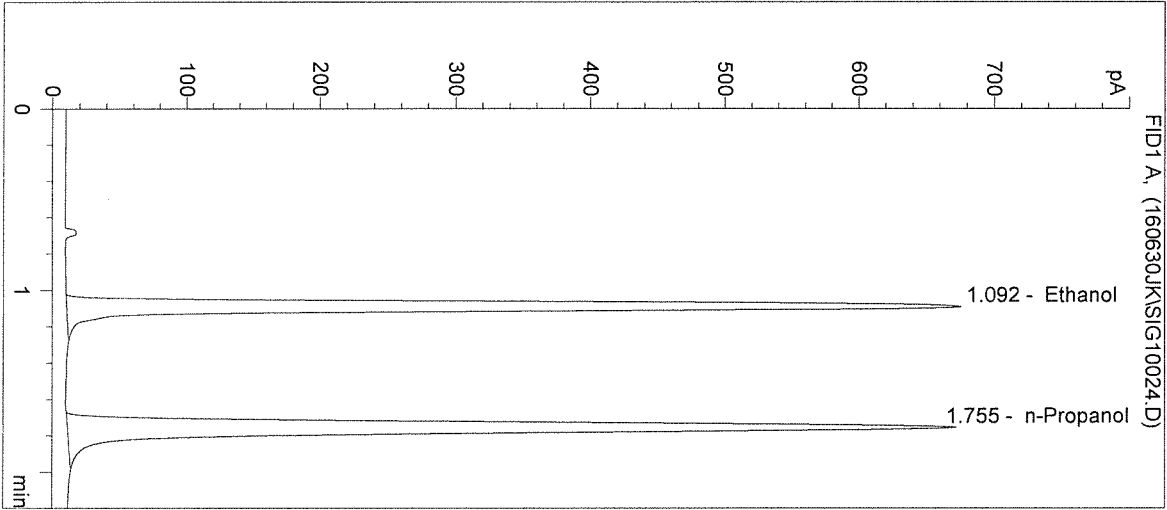
16026

*Jr 7/6/16*

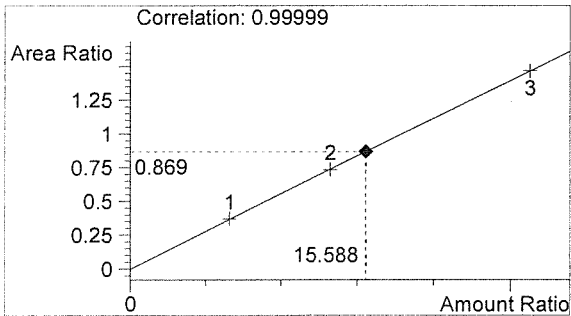
*Jr*

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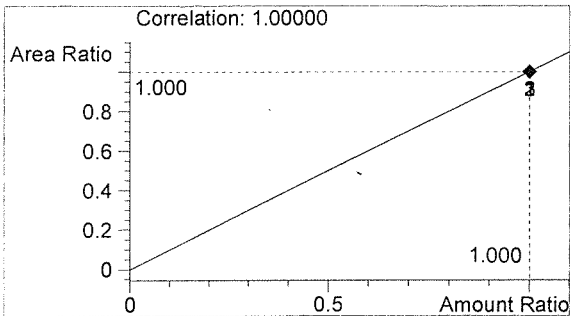
Inj. Date: 6/30/2016 10:40:08 AM      Sample Name: 16026-1  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 24  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2301	1.092
2	n-Propanol	2649	1.755



Ethanol      0.187 g/100mL



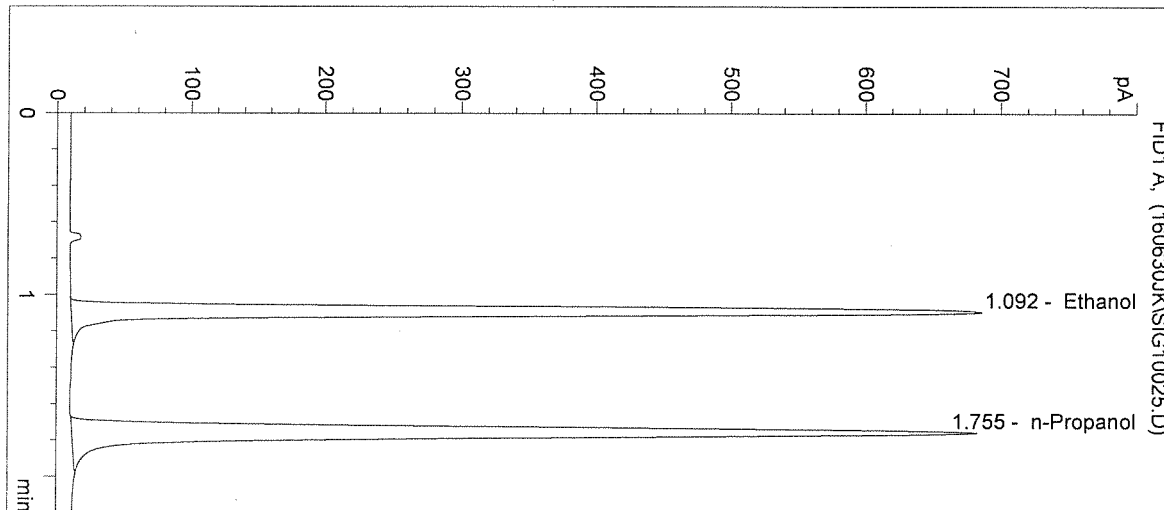
n-Propanol      0.012 g/100mL

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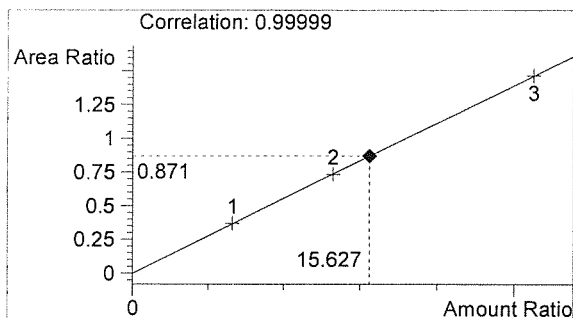
*JK*

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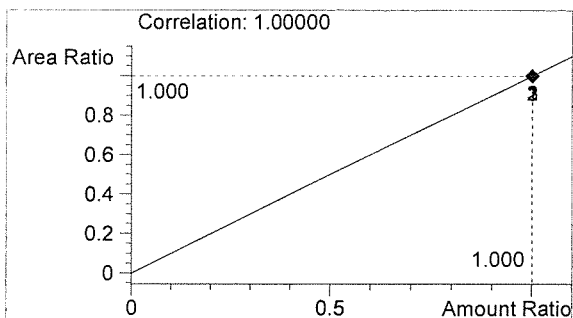
Inj. Date: 6/30/2016 10:43:21 AM      Sample Name: 16026-2  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 25  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2343	1.092
2	n-Propanol	2691	1.755



Ethanol      0.188 g/100mL



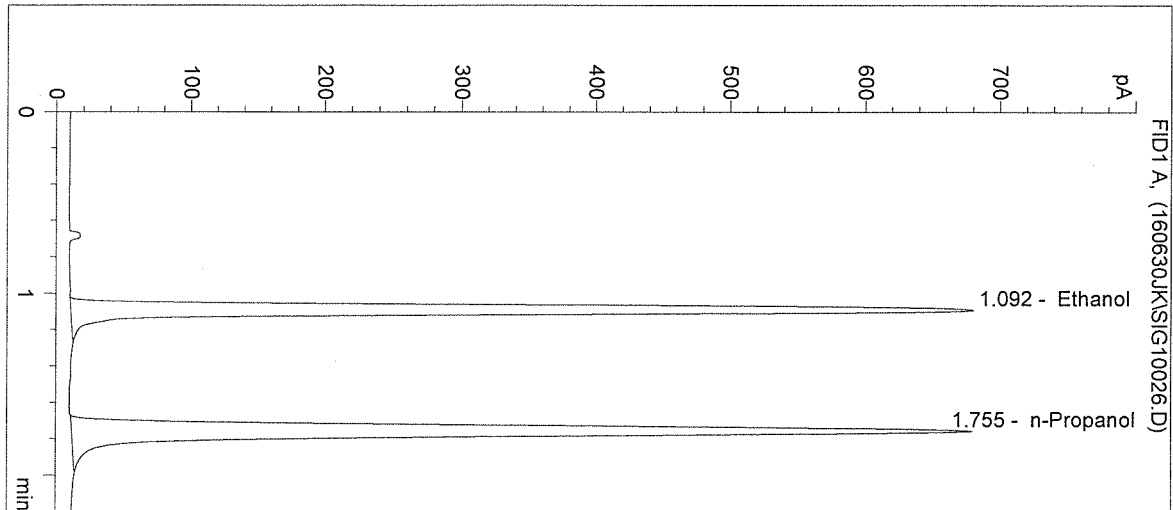
n-Propanol      0.012 g/100mL

*JK*

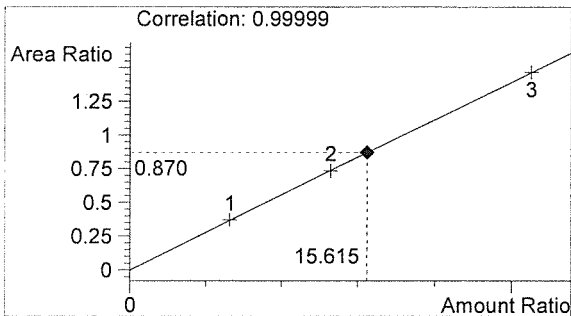
*JK*

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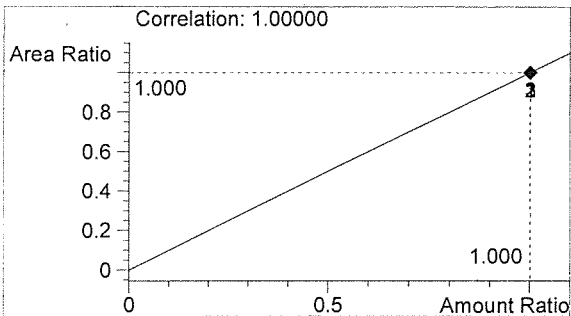
Inj. Date: 6/30/2016 10:46:35 AM      Sample Name: 16026-3  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2331	1.092
2	n-Propanol	2679	1.755



Ethanol      0.187 g/100mL



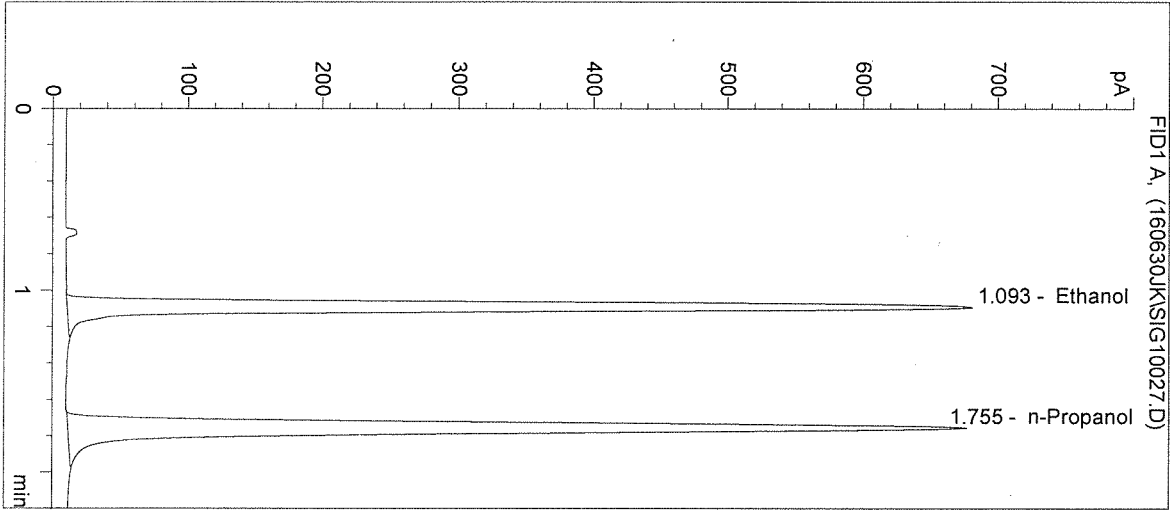
n-Propanol      0.012 g/100mL

*JK*

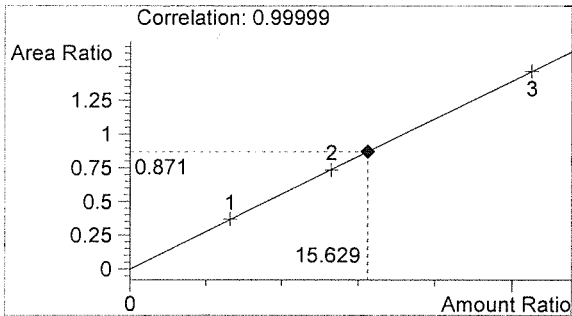
*JK*

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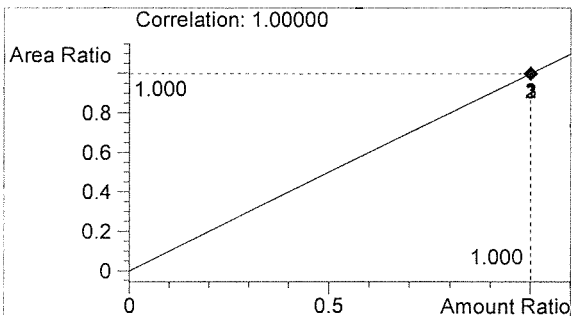
Inj. Date: 6/30/2016 10:49:48 AM      Sample Name: 16026-4  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 27  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2324	1.093
2	n-Propanol	2669	1.755



Ethanol      0.188 g/100mL



n-Propanol      0.012 g/100mL

*JK*

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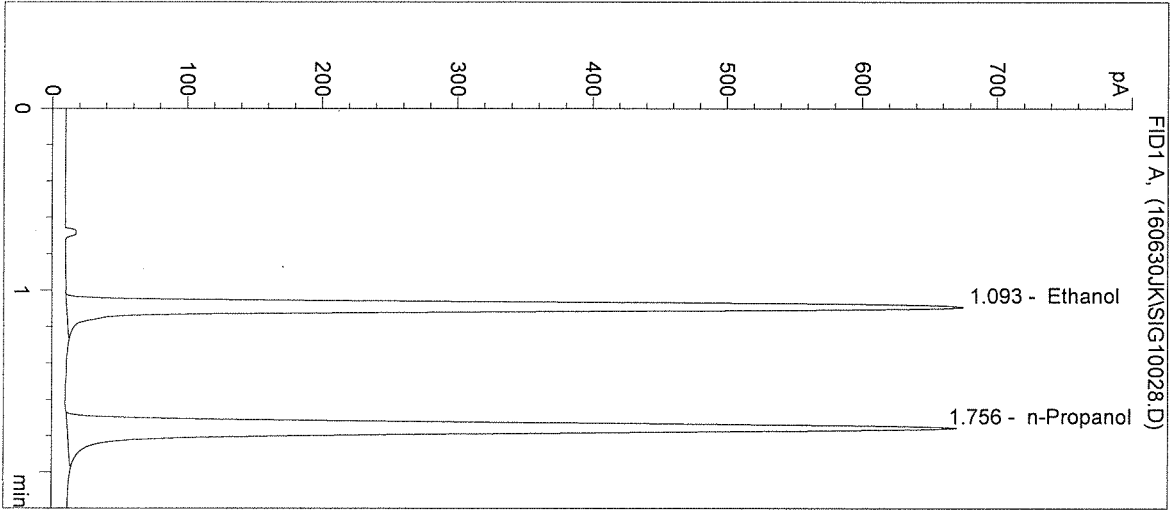


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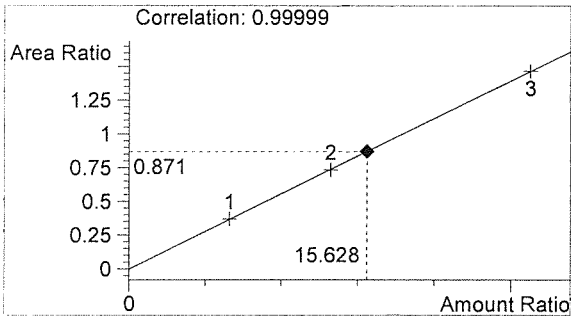
Inj. Date: 6/30/2016 10:53:02 AM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16026-5  
Operator: Justin Knoy  
Location: Vial 28

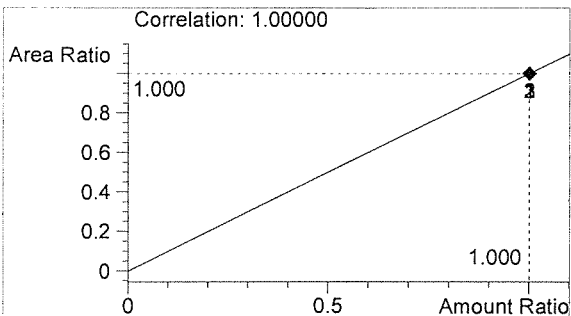
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2308	1.093
2	n-Propanol	2651	1.756



Ethanol 0.188 g/100mL



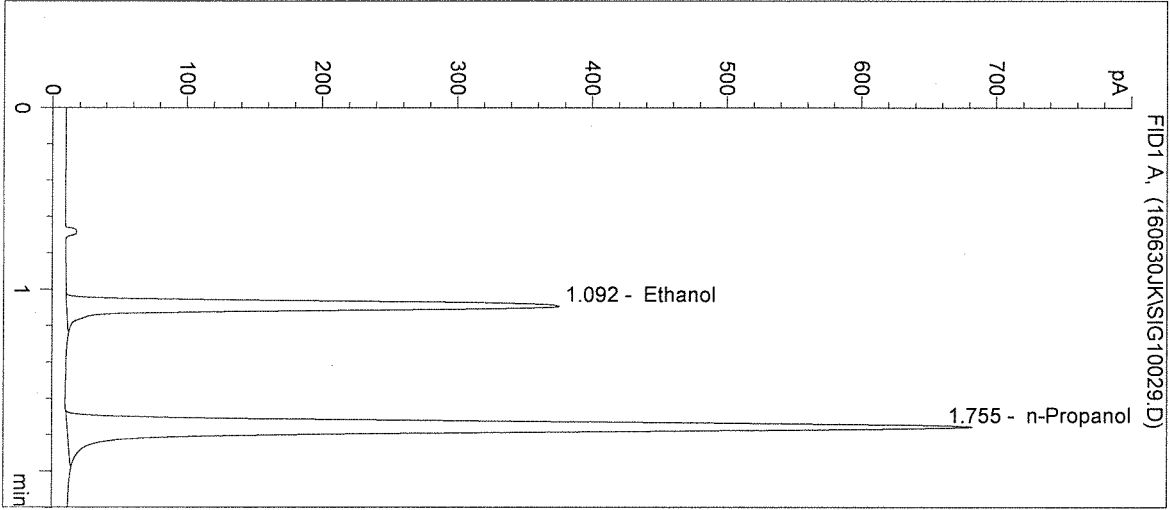
n-Propanol 0.012 g/100mL

*JK*

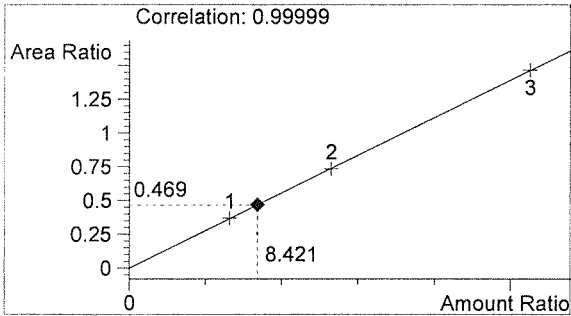
*JK*

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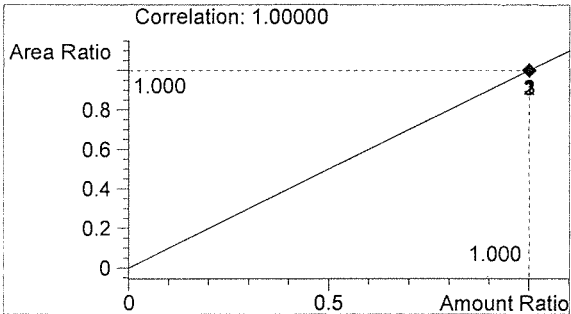
Inj. Date: 6/30/2016 10:56:15 AM      Sample Name: 0.10 CTRL  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 29  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16026



#	Compound	Peak Area	RT (min)
1	Ethanol	1258	1.092
2	n-Propanol	2685	1.755



Ethanol      0.101 g/100mL



n-Propanol      0.012 g/100mL

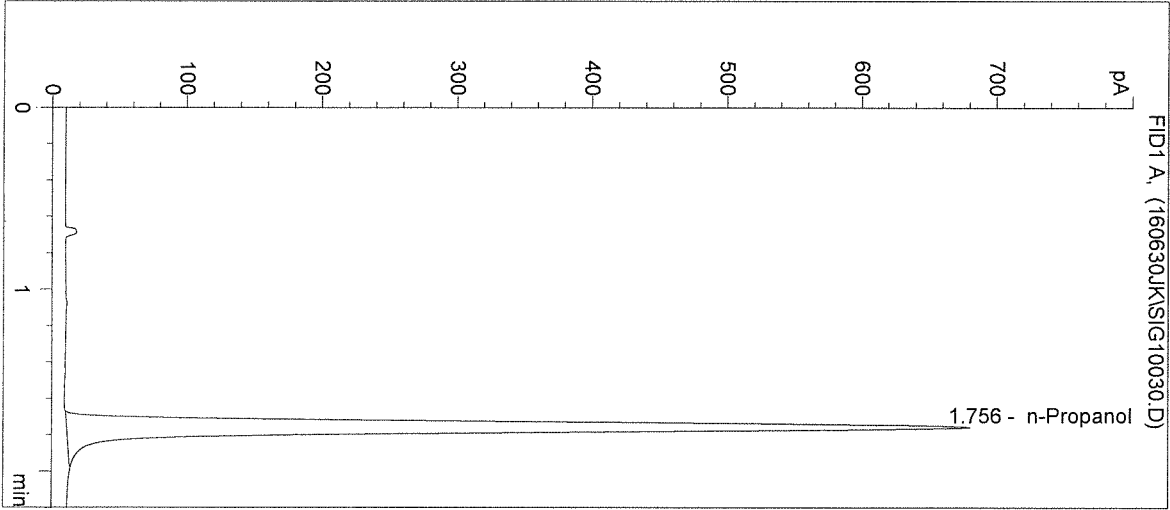
*JK*

*JK*

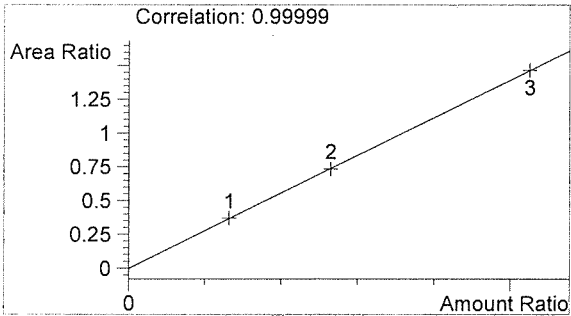
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/30/2016 10:59:26 AM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16026

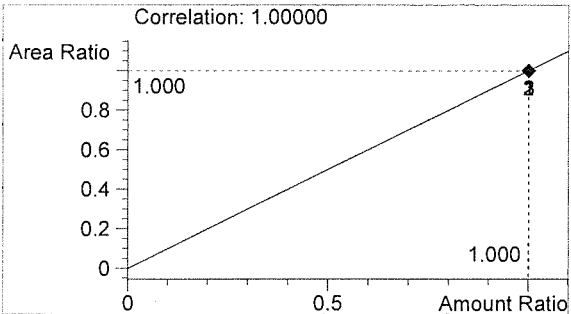
Sample Name: NEG CTRL  
Operator: Justin Knoy  
Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2696	1.756



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*