



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 16034

**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: 08/12/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Dawn C. Sklerov

	DCS	DN	AG
1	0.183	0.186	0.189
2	0.187	0.186	0.190
3	0.183	0.186	0.185
4	0.188	0.186	0.190
5	0.189	0.186	0.190
C	0.100	0.102	0.103

**ETHANOL CONTROL INFORMATION**


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

**RESULTS OF TESTING**


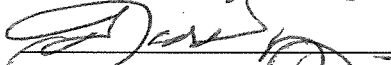
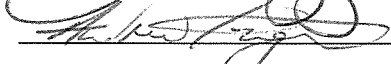
AVERAGE SOLUTION CONCENTRATION: 0.1869 g/100mL PRECISION CV (%): 1.25  
STANDARD DEVIATION: 0.00234 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1520 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0042 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

9/16/16  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
DCS	Dawn C. Sklerov		08/12/2016
DN	David Nguyen		08/19/2016
AG	Andrew Gingras		08/19/2016

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

QAP Solution Batch #: 16034

Date Prepared: 8/12/2016

Analyst:	DCS	DN	AG
Date Tested:	8/12/2016	8/19/2016	8/19/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.183	0.186	0.189
2	0.187	0.186	0.190
3	0.183	0.186	0.185
4	0.188	0.186	0.190
5	0.189	0.186	0.190
C	0.100	0.102	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000104839	0.0000752486	0.0001016326

Ethanol Control Lot #: FN08051301

Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1869 g/100mL  
 Standard Deviation: 0.00234 g/100mL  
 Precision CV (%): 1.25  
 Equivalent Vapor Concentration: 0.1520 g/210L  
 Combined Standard Uncertainty ( $\pm$ ): 0.0021 g/210L  
 Expanded Uncertainty ( $\pm$ ): 0.0042 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 8/31/16  
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 9-16-16  
 Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 8/31/16  
 Name Signature Date

[Handwritten mark]

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 9-16-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16034

	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: 9-16-16



**SOLUTION CERTIFICATE REVIEW**

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras	<i>AG</i>	8/31/2016
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	<i>DN</i>	9/1/16
Dawn Sklerov	<i>DCS</i>	8.31.16
Elizabeth Wehner		
Justin Knoy		
Katie Harris	<i>if you are on the Test R</i>	
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16034 *fn 8/31/16*

*fn*

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 16034**

I, Dawn C. Sklerov, 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 in Forensic Chemistry and over nine years of experience in the field of toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16034, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. 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 8/12/2017.

Seattle, WA

 8-31-16

Dawn C. Sklerov  
Forensic Scientist

Date



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 16034**

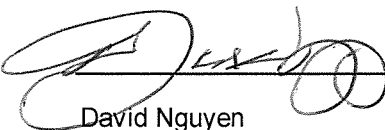
I, David Nguyen, do certify under penalty of perjury that:

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 Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16034, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. 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 8/12/2017.

Seattle, WA

 - 9/11/16

David Nguyen

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 16034**

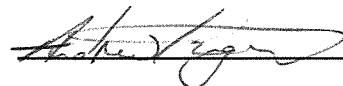
I, Andrew Gingras, do certify under penalty of perjury that:

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 16034, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. 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 8/12/2017.

Seattle, WA

 8/31/2016

Andrew Gingras  
Forensic Scientist

Date



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

Preparation Date: 8-12-16 Expiration Date: 8-12-17 Initials of Preparer: DS

Lot # of 200-proof Ethanol used in preparation: 2D1K000

Date the 200-proof Ethanol bottle was opened: 8-8-16

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>16032</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16033</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u>          </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16034</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	<u>          </u>
ESS	66.5	52	<input type="checkbox"/>	<u>          </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed  8-12-16  
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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

William C. Stahl  
Analyst Signature

8-12-16  
Date

*JS*



Sequence Parameters:

Operator: Dawn Sklerov  
 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: 160812DS  
 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#P0716 - Exp. 10/22/2016

Calibration vials 1-9 filed with 16032

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	16032-1	SIMALC1	1	Sample		
11	Vial 11	16032-2	SIMALC1	1	Sample		
12	Vial 12	16032-3	SIMALC1	1	Sample		
13	Vial 13	16032-4	SIMALC1	1	Sample		
14	Vial 14	16032-5	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	16033-1	SIMALC1	1	Sample		
18	Vial 18	16033-2	SIMALC1	1	Sample		
19	Vial 19	16033-3	SIMALC1	1	Sample		
20	Vial 20	16033-4	SIMALC1	1	Sample		
21	Vial 21	16033-5	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	16034-1	SIMALC1	1	Sample		
25	Vial 25	16034-2	SIMALC1	1	Sample		
26	Vial 26	16034-3	SIMALC1	1	Sample		

16034

*Inst 3/16*

*DS*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16034-4	SIMALC1	1	Sample		
28	Vial 28	16034-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	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!

16034

*Inst 3/1/16*

*DS*

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

Inj. Date: 8/12/2016 11:24:45 AM

Sample Name: 16034-1

Instrument: HSGC#1

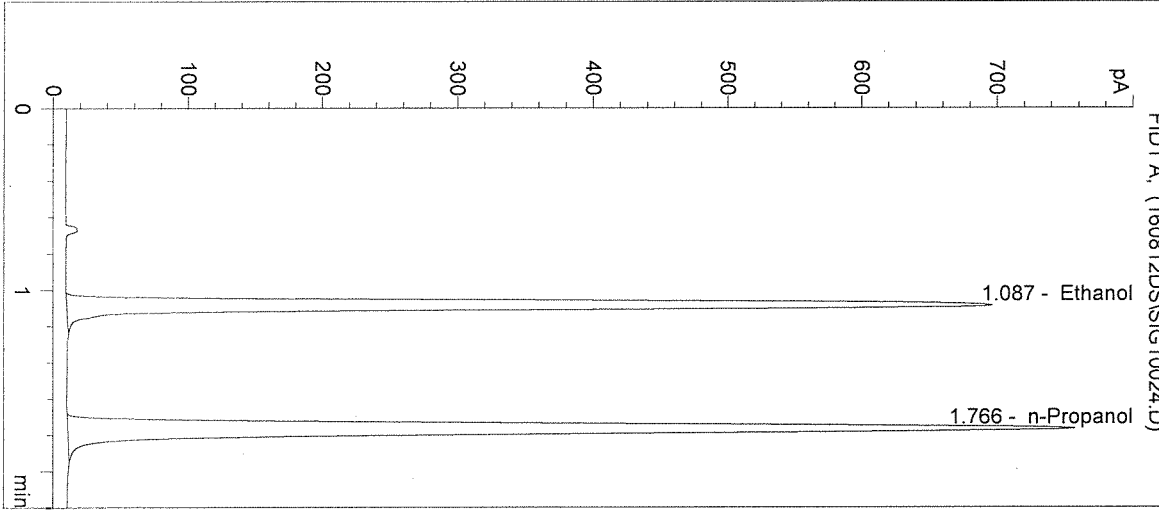
Operator: Dawn Sklerov

Column: DB-ALC1

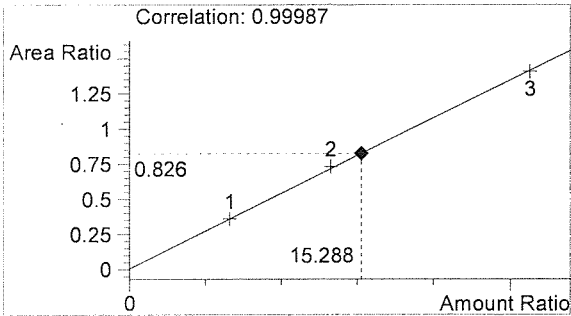
Location: Vial 24

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

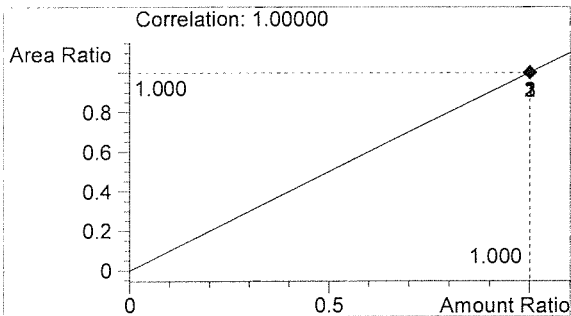
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2323	1.087
2	n-Propanol	2810	1.766



Ethanol 0.183 g/100mL



n-Propanol 0.012 g/100mL

*fn*

*DS*

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

Inj. Date: 8/12/2016 11:27:57 AM

Sample Name: 16034-2

Instrument: HSGC#1

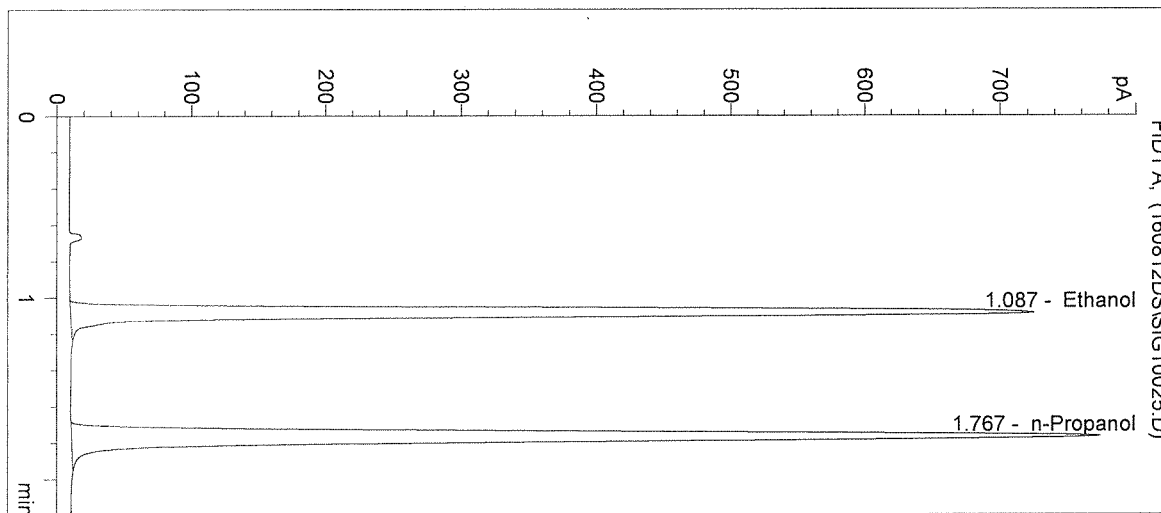
Operator: Dawn Sklerov

Column: DB-ALC1

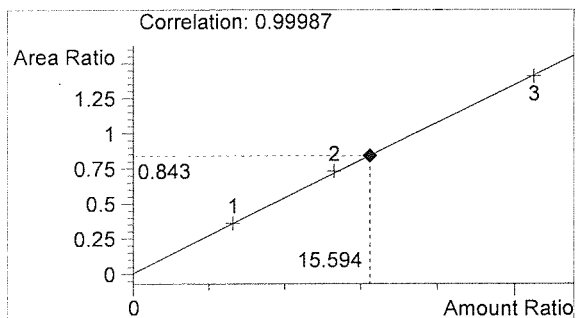
Location: Vial 25

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

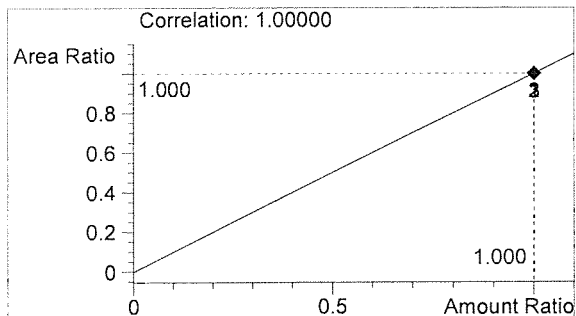
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2424	1.087
2	n-Propanol	2877	1.767



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

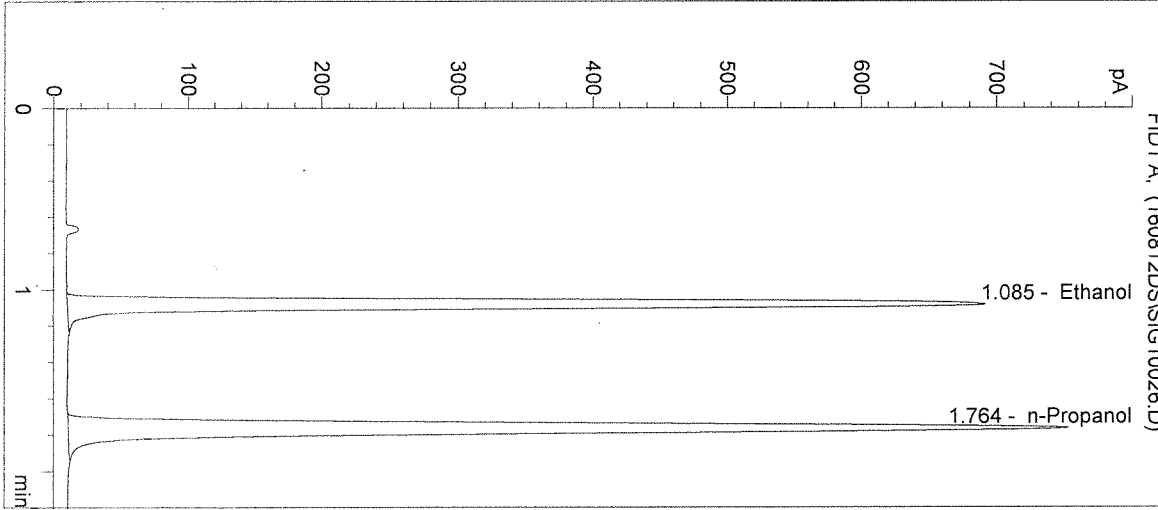
*fr*

*OS*

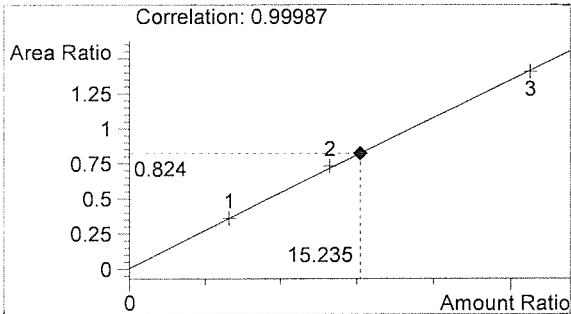
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 11:31:10 AM      Sample Name: 16034-3  
 Instrument: HSGC#1      Operator: Dawn Sklerov  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

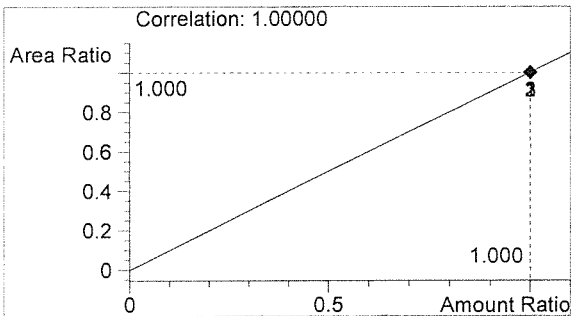
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2293	1.085
2	n-Propanol	2784	1.764



Ethanol      0.183 g/100mL



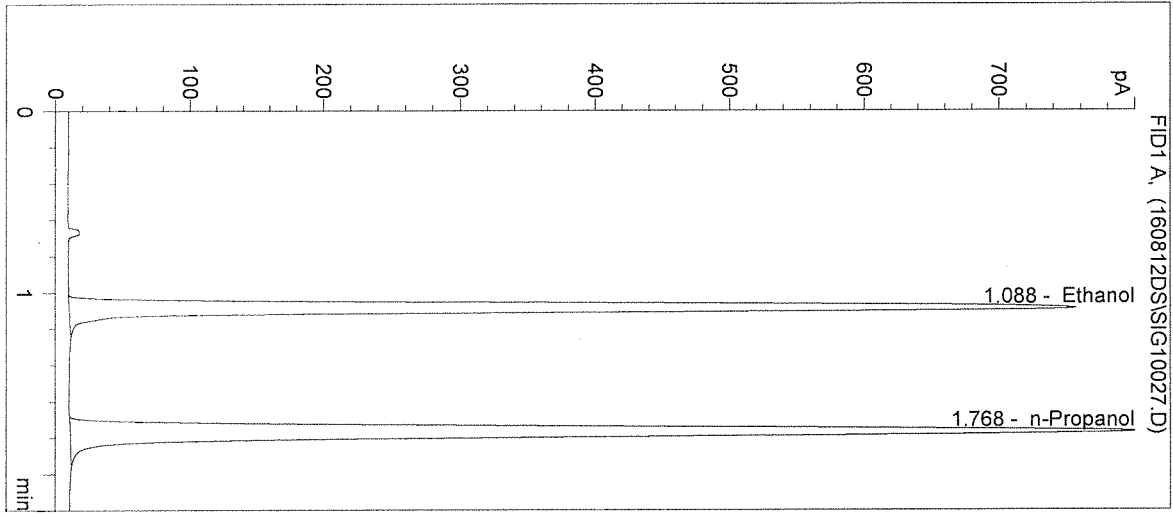
n-Propanol      0.012 g/100mL

*fn*

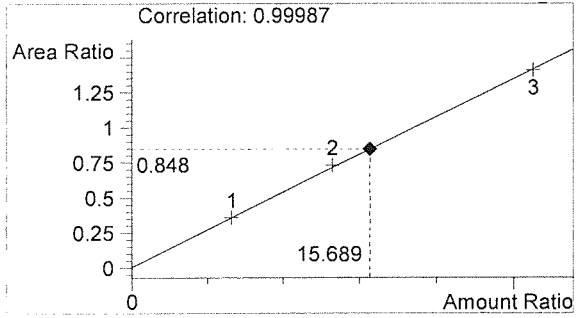
OS

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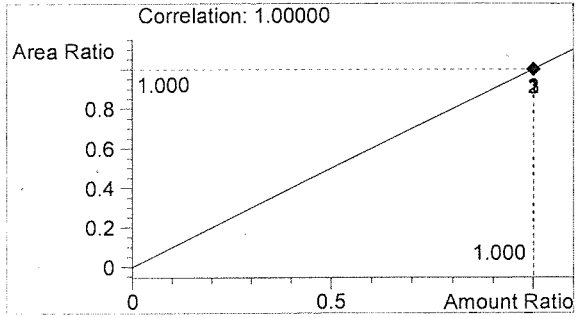
Inj. Date: 8/12/2016 11:34:23 AM      Sample Name: 16034-4  
 Instrument: HSGC#1      Operator: Dawn Sklerov  
 Column: DB-ALC1      Location: Vial 27  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2543	1.088
2	n-Propanol	2999	1.768



Ethanol      0.188 g/100mL



n-Propanol      0.012 g/100mL

*fr*

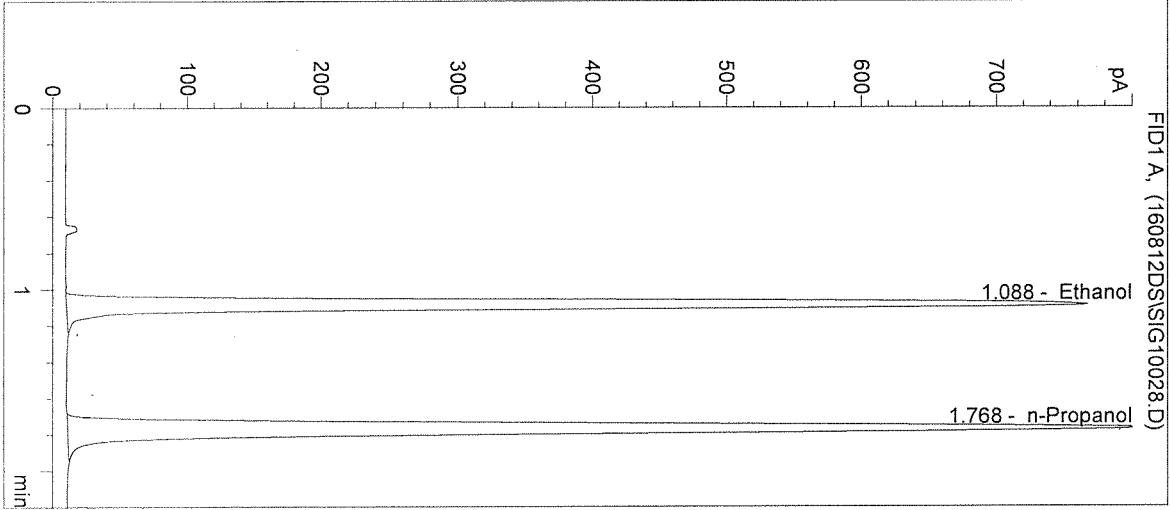
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Washington State Patrol Toxicology Laboratory  
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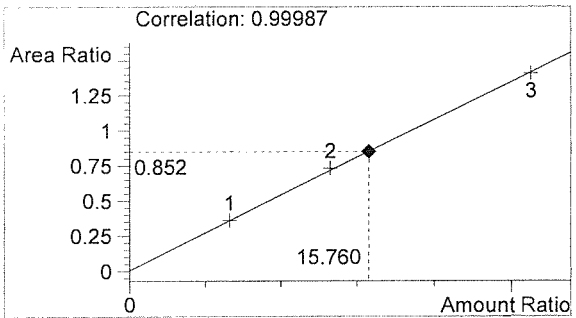
Inj. Date: 8/12/2016 11:37:37 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16034-5  
 Operator: Dawn Sklerov  
 Location: Vial 28

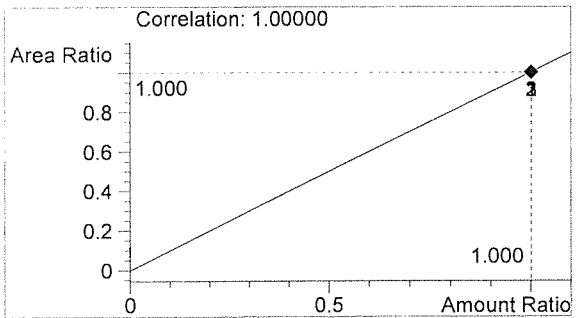
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2577	1.088
2	n-Propanol	3026	1.768



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten initials DS*

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

Inj. Date: 8/12/2016 11:40:51 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

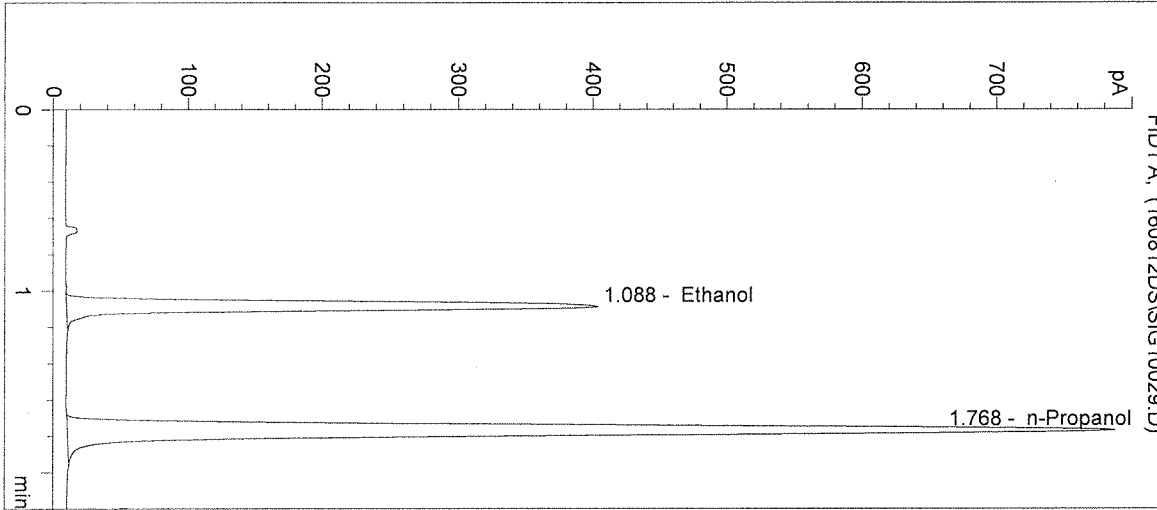
Operator: Dawn Sklerov

Column: DB-ALC1

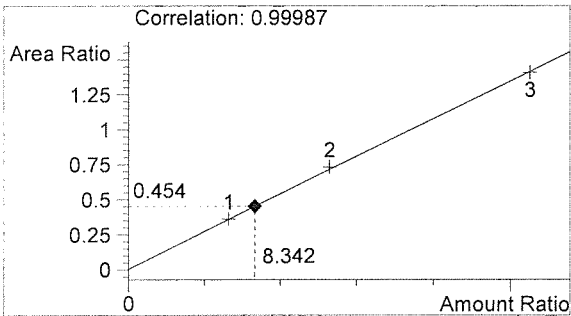
Location: Vial 29

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

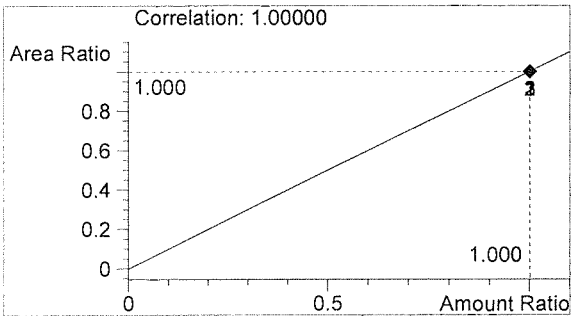
Sample Info: 16034



#	Compound	Peak Area	RT (min)
1	Ethanol	1336	1.088
2	n-Propanol	2942	1.768



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten initials OS*



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

Inj. Date: 8/12/2016 11:44:04 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

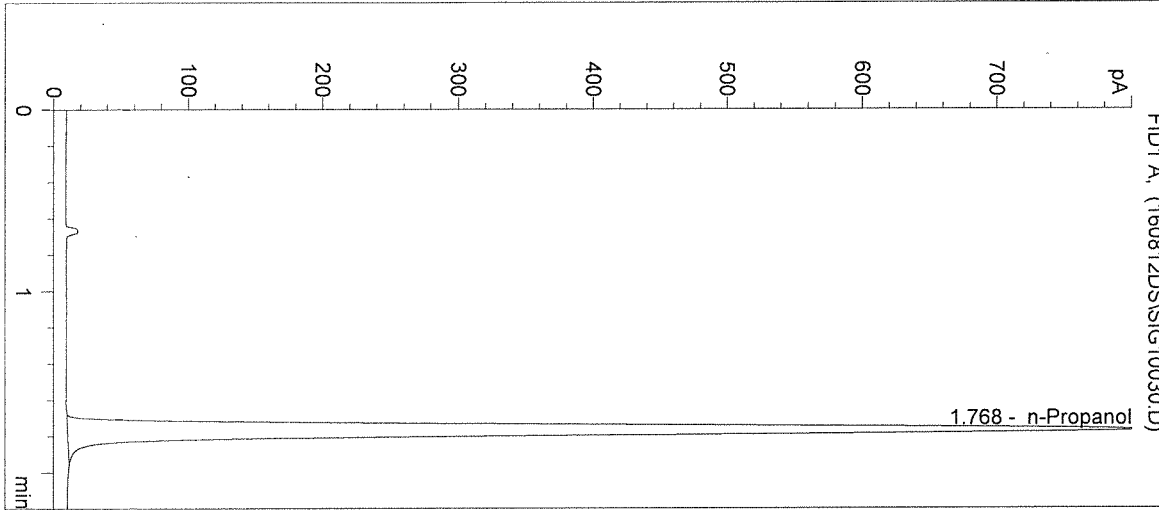
Operator: Dawn Sklerov

Column: DB-ALC1

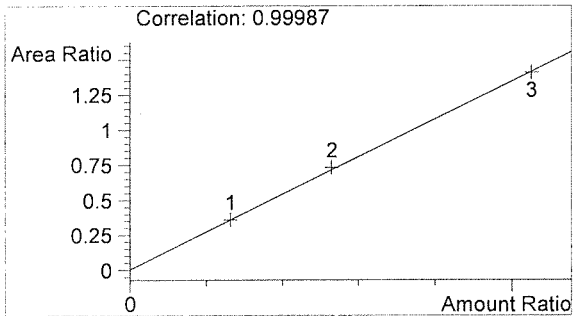
Location: Vial 30

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

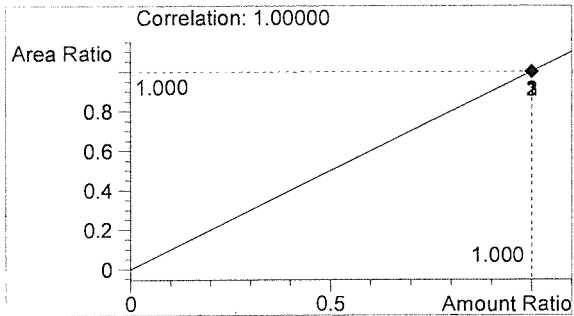
Sample Info: 16034



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3032	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fr*  
*as*

Sequence Parameters:

Operator: David Nguyen  
 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: 160819DN  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0416-01 - X: 10/01/16  
 CAL 2: 0.158 g/100mL - Lot: E0416-02 - X: 10/01/16  
 CAL 3: 0.316 g/100mL - Lot: E0416-03 - X: 10/01/16  
  
 CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN03211401 - X: 06/2019  
  
 n-Propanol ISTD - Lot: P0716 - X: 10/22/16  
  
 Calibration vials 1-9 filed with 16032.

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16032 #1	SIMALC1	1	Sample		
11	Vial 11	16032 #2	SIMALC1	1	Sample		
12	Vial 12	16032 #3	SIMALC1	1	Sample		
13	Vial 13	16032 #4	SIMALC1	1	Sample		
14	Vial 14	16032 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16033 #1	SIMALC1	1	Sample		
18	Vial 18	16033 #2	SIMALC1	1	Sample		
19	Vial 19	16033 #3	SIMALC1	1	Sample		
20	Vial 20	16033 #4	SIMALC1	1	Sample		
21	Vial 21	16033 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16034 #1	SIMALC1	1	Sample		

16034

for 8/23/16

DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16034 #2	SIMALC1	1	Sample		
26	Vial 26	16034 #3	SIMALC1	1	Sample		
27	Vial 27	16034 #4	SIMALC1	1	Sample		
28	Vial 28	16034 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16034  
Inst 3/16

DN

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Inj. Date: 8/19/2016 8:17:49 AM

Sample Name: 16034 #1

Instrument: HSGC#1

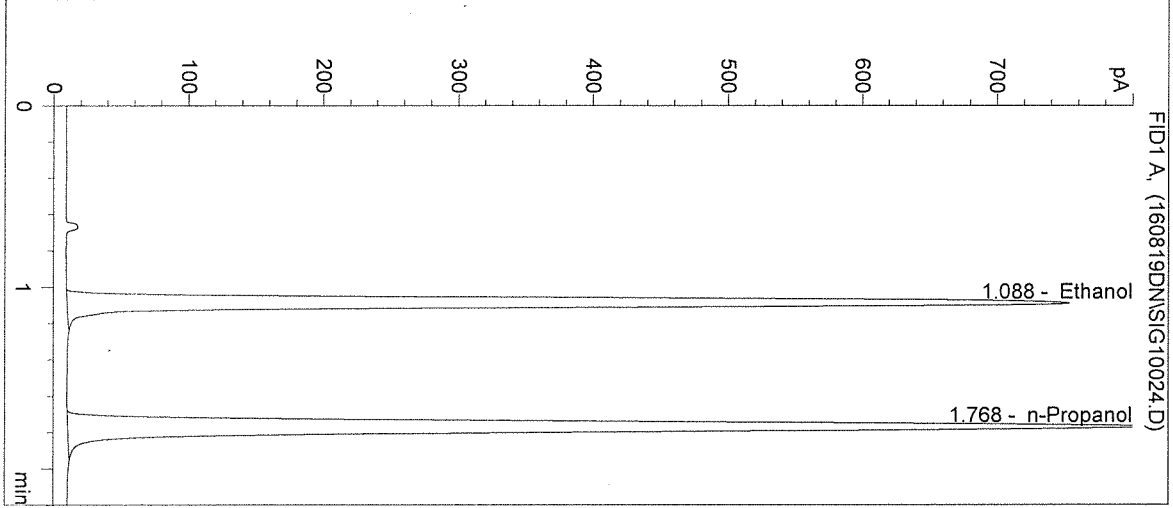
Operator: David Nguyen

Column: DB-ALC1

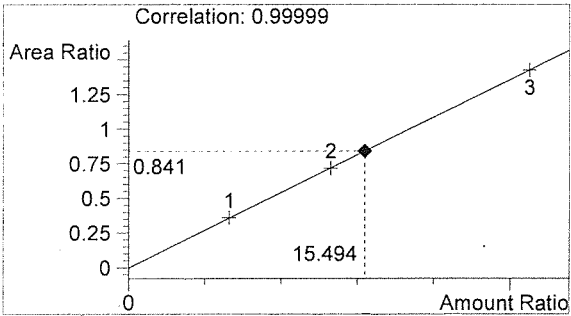
Location: Vial 24

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

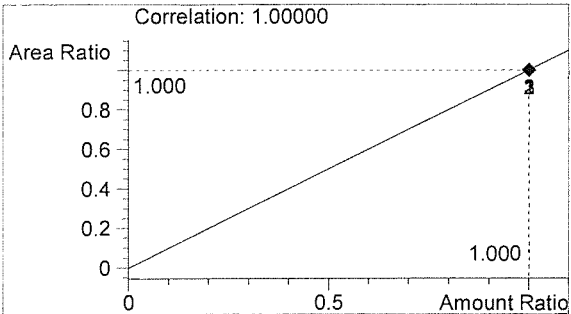
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2576	1.088
2	n-Propanol	3064	1.768



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*DN*

Inj. Date: 8/19/2016 8:21:03 AM

Sample Name: 16034 #2

Instrument: HSGC#1

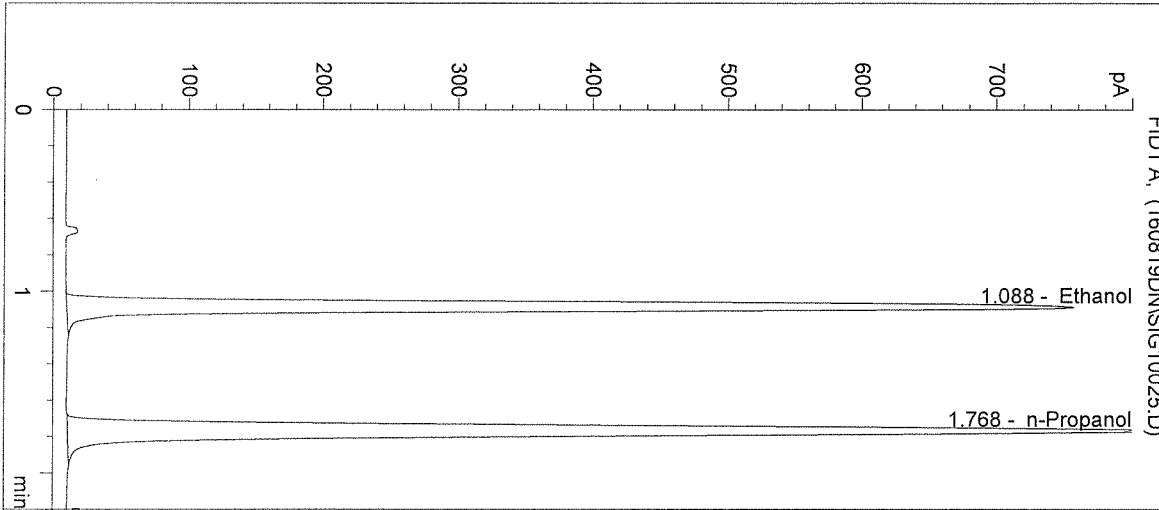
Operator: David Nguyen

Column: DB-ALC1

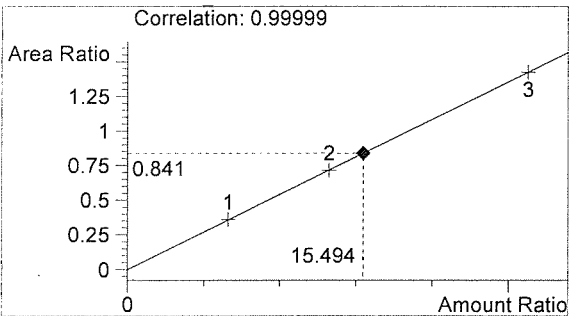
Location: Vial 25

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

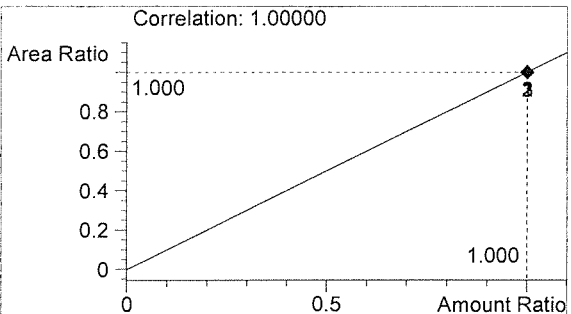
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2594	1.088
2	n-Propanol	3085	1.768



Ethanol 0.186 g/100mL



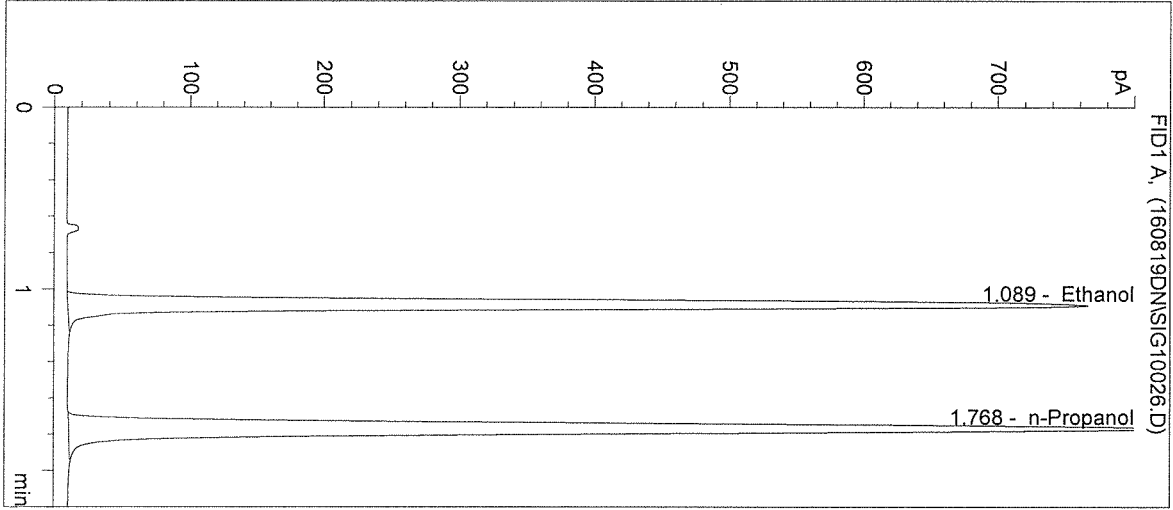
n-Propanol 0.012 g/100mL

*DN*

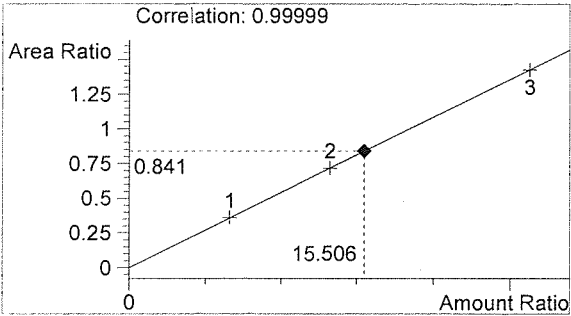
*DN*

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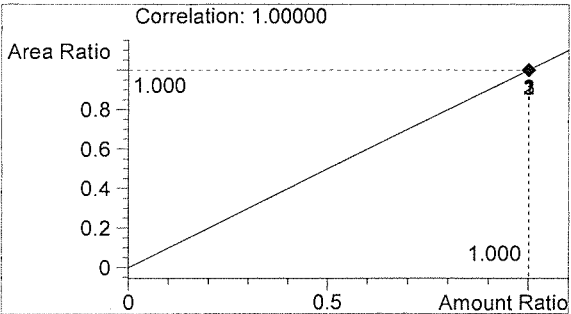
Inj. Date: 8/19/2016 8:24:16 AM      Sample Name: 16034 #3  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 26  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2625	1.089
2	n-Propanol	3120	1.768



Ethanol      0.186 g/100mL



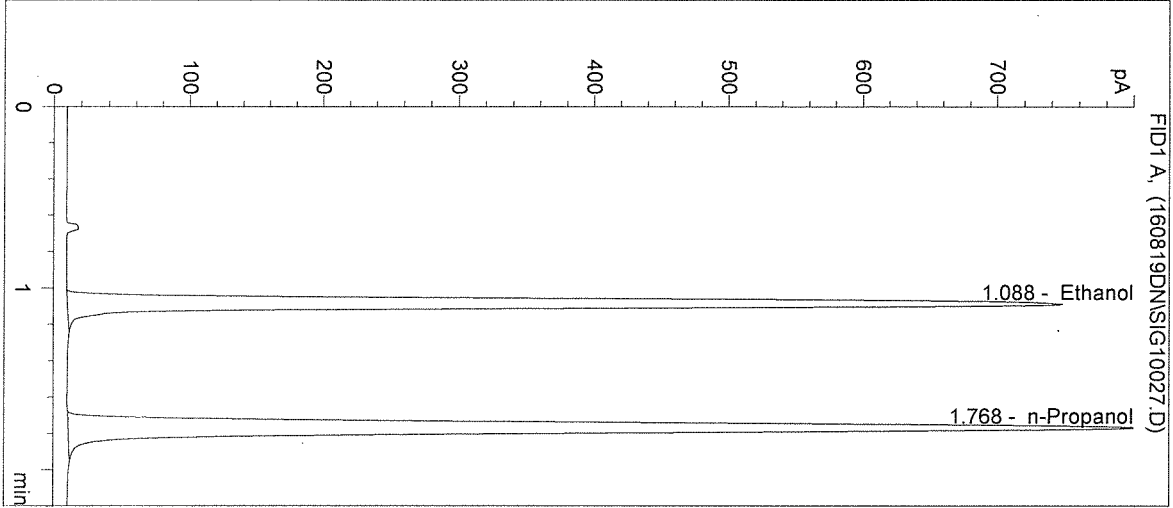
n-Propanol      0.012 g/100mL

*h*

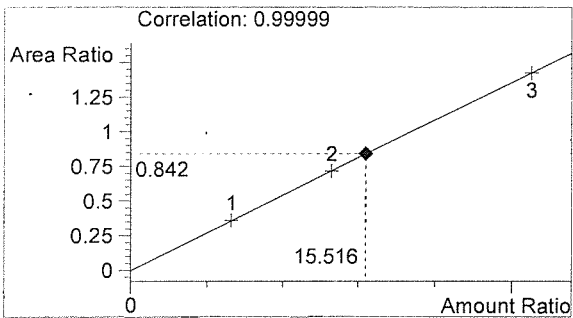
DN

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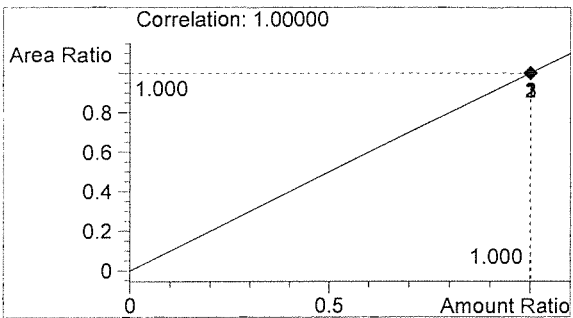
Inj. Date: 8/19/2016 8:27:29 AM      Sample Name: 16034 #4  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 27  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2560	1.088
2	n-Propanol	3040	1.768



Ethanol      0.186 g/100mL



n-Propanol      0.012 g/100mL

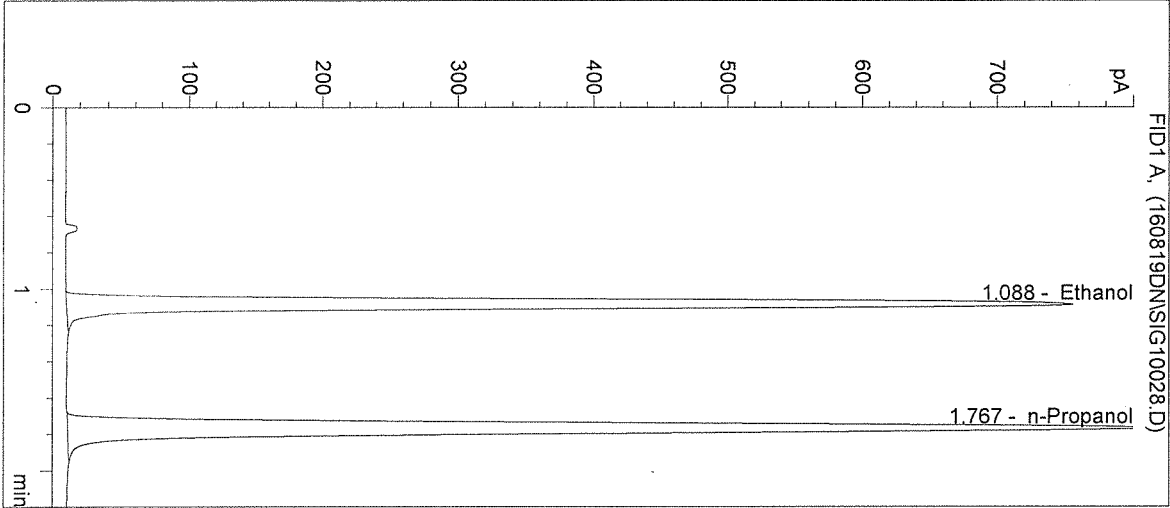
*DN*

*DN*

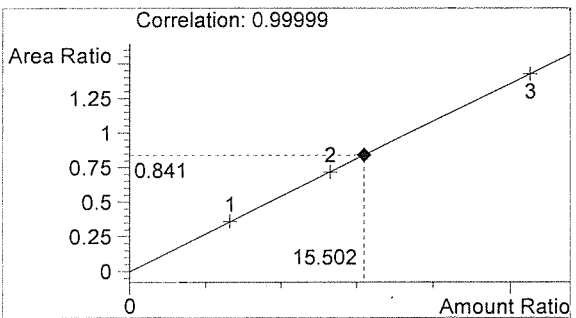
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Inj. Date: 8/19/2016 8:30:42 AM      Sample Name: 16034 #5  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 28  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

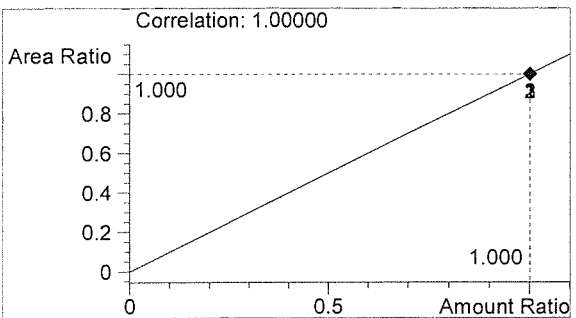
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2587	1.088
2	n-Propanol	3075	1.767



Ethanol      0.186 g/100mL



n-Propanol      0.012 g/100mL

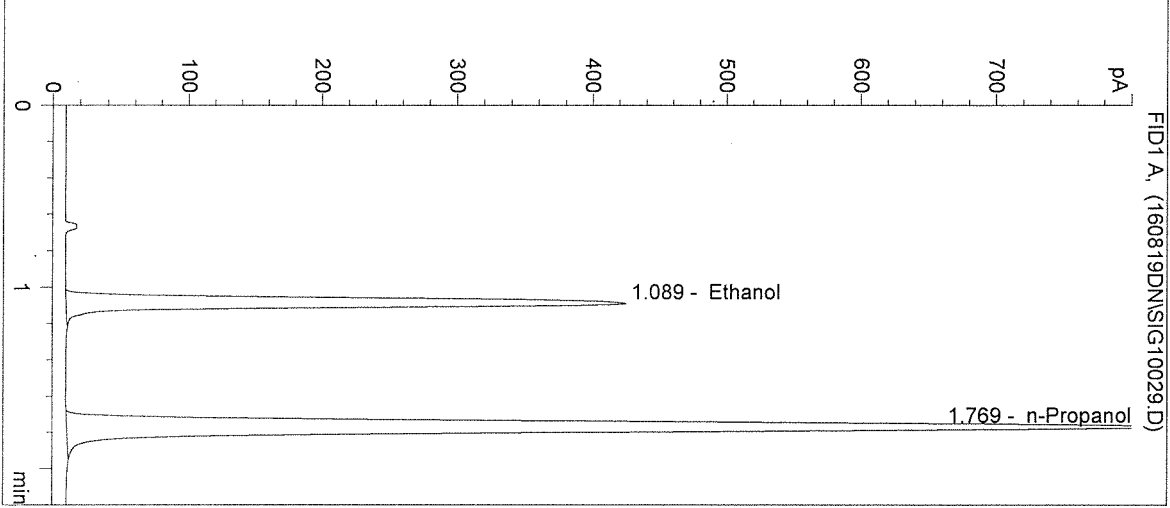
*Handwritten mark*

*DN*

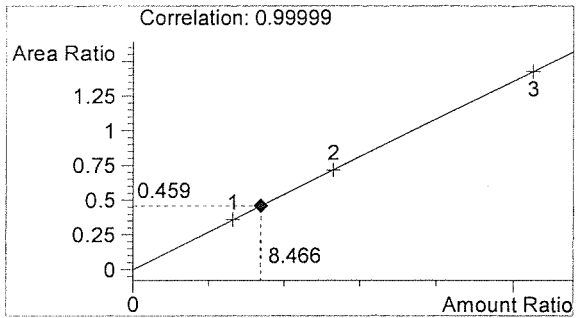


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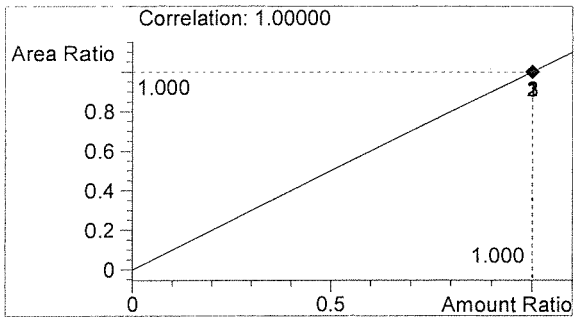
Inj. Date: 8/19/2016 8:33:57 AM      Sample Name: POS CTRL (0.10)  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 29  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: POS CTRL: 0.10 g/100mL  
16034



#	Compound	Peak Area	RT (min)
1	Ethanol	1440	1.089
2	n-Propanol	3135	1.769



Ethanol      0.102 g/100mL

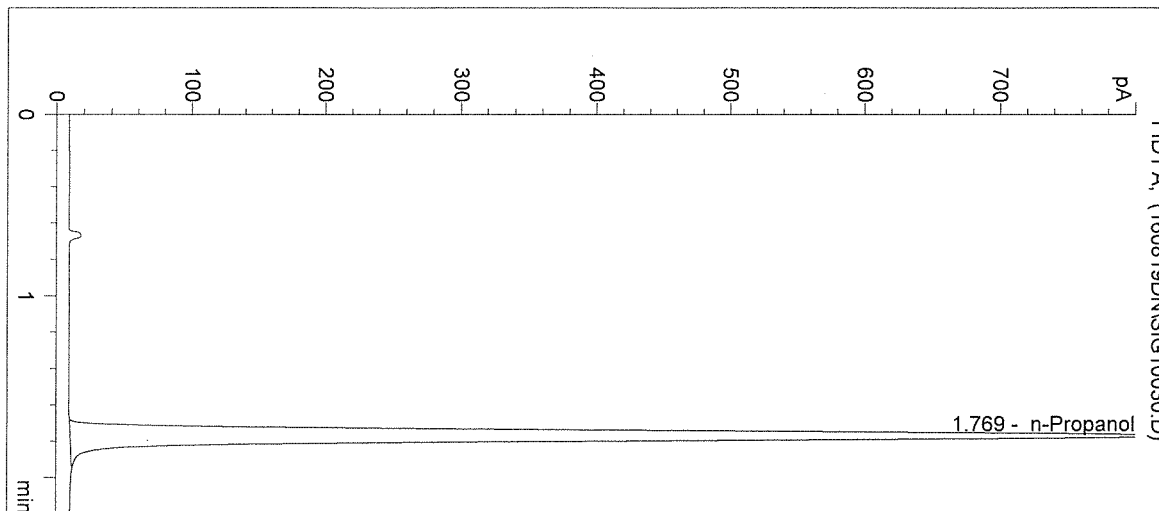


n-Propanol      0.012 g/100mL

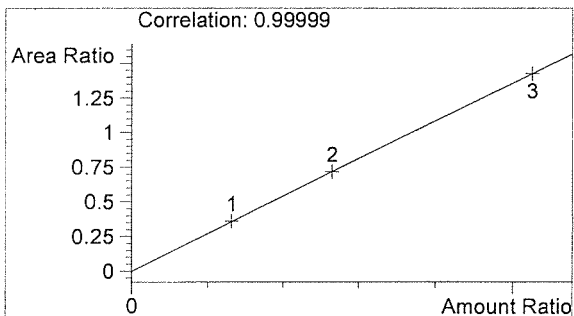
*DN*

*DN*

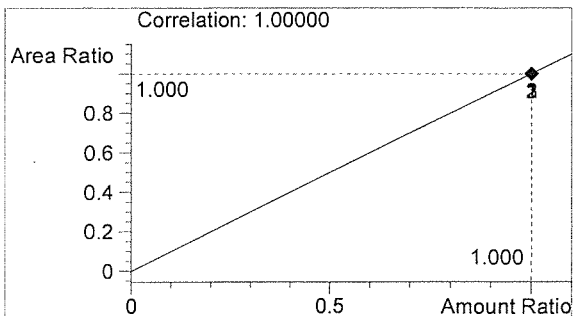
Inj. Date: 8/19/2016 8:37:09 AM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16034



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3160	1.769



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*fn*

*DN*

Sequence Parameters:

Operator: Andrew Gingras  
 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: 160819AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0416-01 - X: 10/01/16  
 CAL 2: 0.158 g/100mL - Lot: E0416-02 - X: 10/01/16  
 CAL 3: 0.316 g/100mL - Lot: E0416-03 - X: 10/01/16  
  
 CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN03211401 - X: 06/2019  
  
 n-Propanol ISTD - Lot: P0716 - X: 10/22/16  
  
 Calibration vials 1-9 filed with 16032.

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16032 #1	SIMALC1	1	Sample		
11	Vial 11	16032 #2	SIMALC1	1	Sample		
12	Vial 12	16032 #3	SIMALC1	1	Sample		
13	Vial 13	16032 #4	SIMALC1	1	Sample		
14	Vial 14	16032 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16033 #1	SIMALC1	1	Sample		
18	Vial 18	16033 #2	SIMALC1	1	Sample		
19	Vial 19	16033 #3	SIMALC1	1	Sample		
20	Vial 20	16033 #4	SIMALC1	1	Sample		
21	Vial 21	16033 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16034 #1	SIMALC1	1	Sample		

16034  
 for 8/31/16

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16034 #2	SIMALC1	1	Sample		
26	Vial 26	16034 #3	SIMALC1	1	Sample		
27	Vial 27	16034 #4	SIMALC1	1	Sample		
28	Vial 28	16034 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

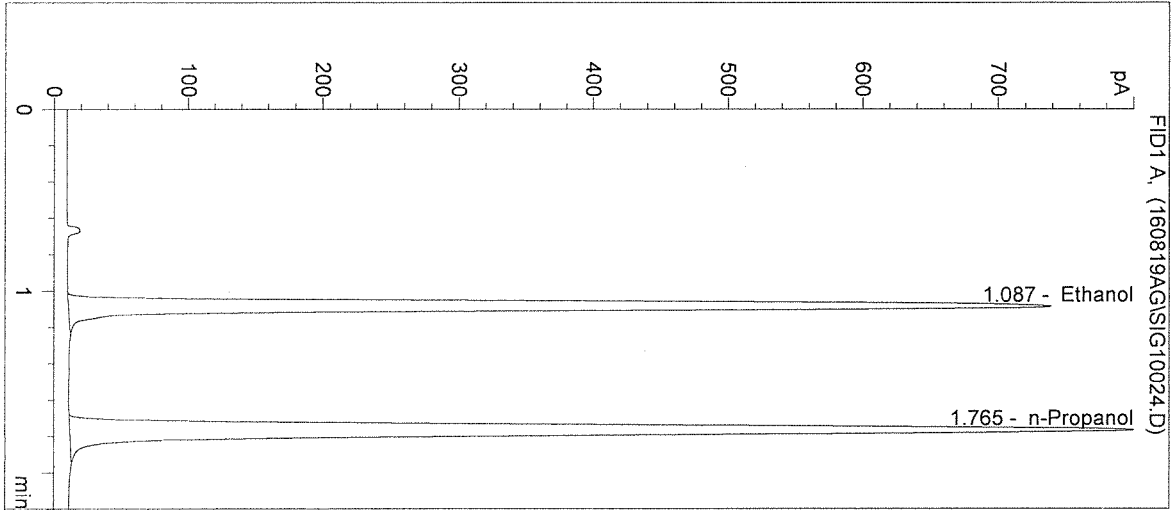
16034

*Indistinct*

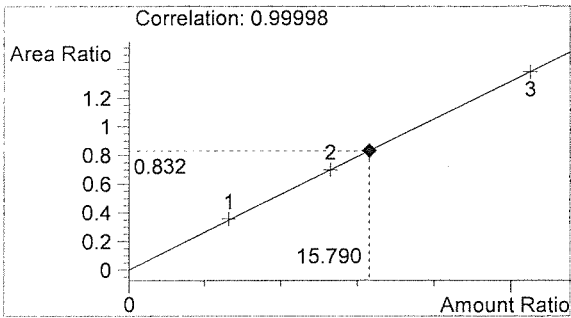
*Handwritten signature*

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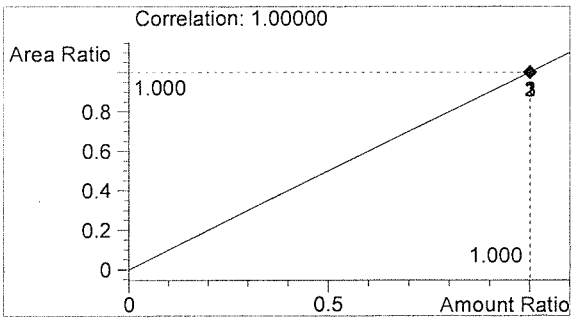
Inj. Date: 8/19/2016 11:49:23 AM      Sample Name: 16034 #1  
Instrument: HSGC#1      Operator: Andrew Gingras  
Column: DB-ALC1      Location: Vial 24  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2496	1.087
2	n-Propanol	2999	1.765



Ethanol      0.189 g/100mL



n-Propanol      0.012 g/100mL

*fn*

*AG*

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Inj. Date: 8/19/2016 11:52:37 AM

Sample Name: 16034 #2

Instrument: HSGC#1

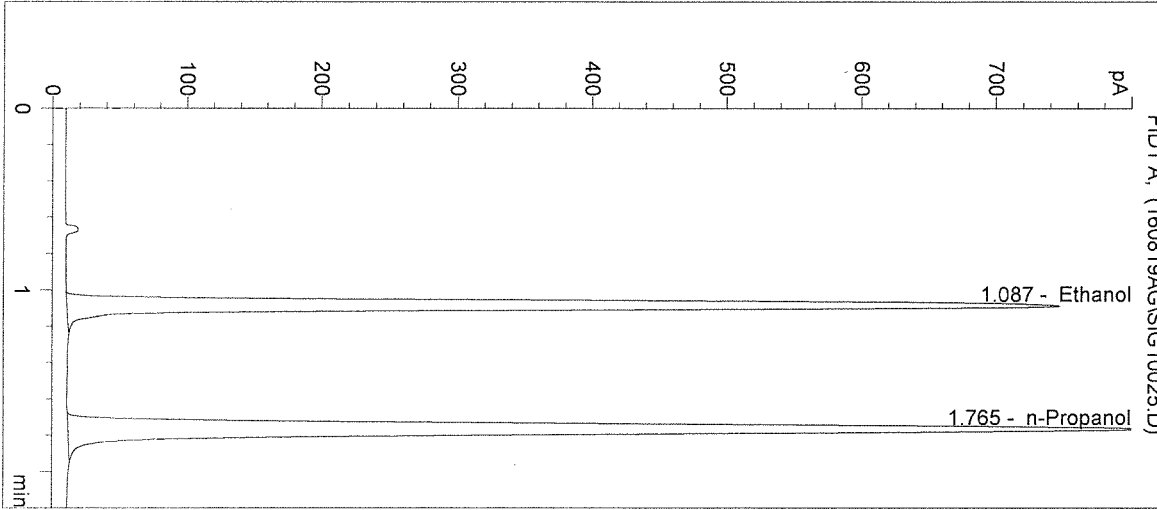
Operator: Andrew Gingras

Column: DB-ALC1

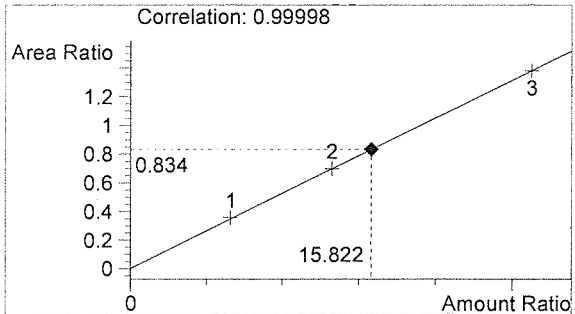
Location: Vial 25

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

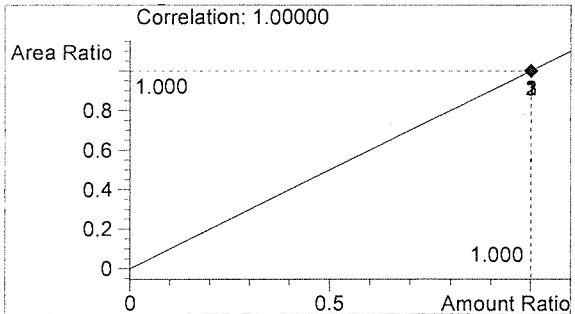
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2524	1.087
2	n-Propanol	3027	1.765



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*AG*

Inj. Date: 8/19/2016 11:55:50 AM

Sample Name: 16034 #3

Instrument: HSGC#1

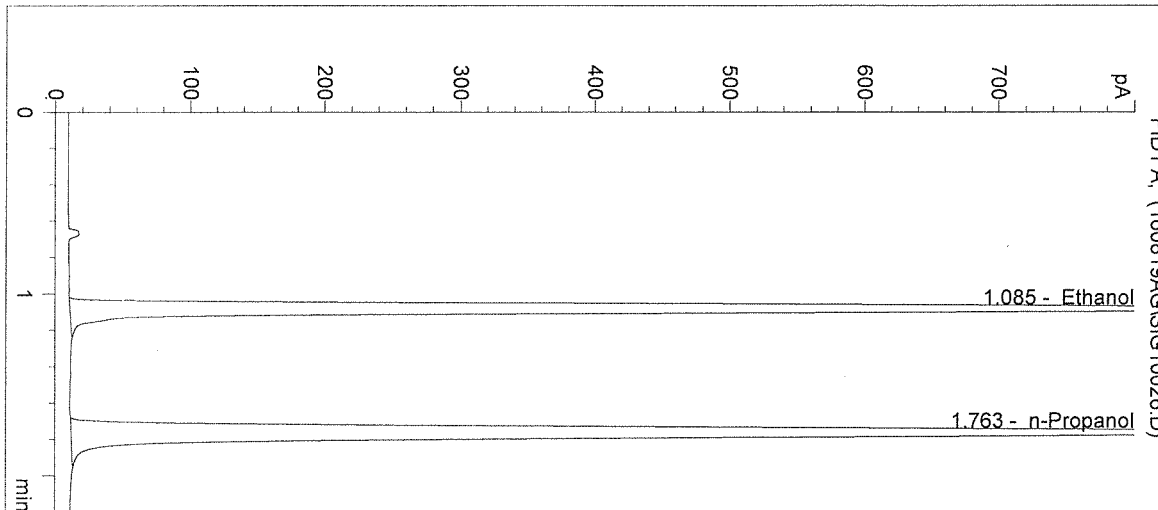
Operator: Andrew Gingras

Column: DB-ALC1

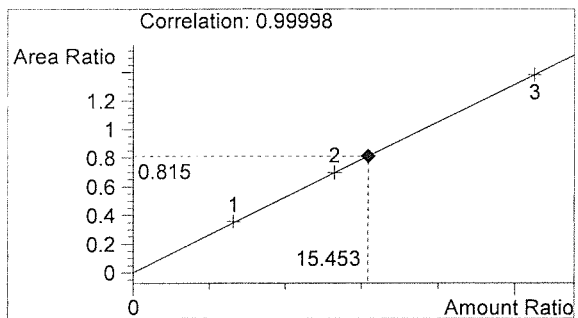
Location: Vial 26

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

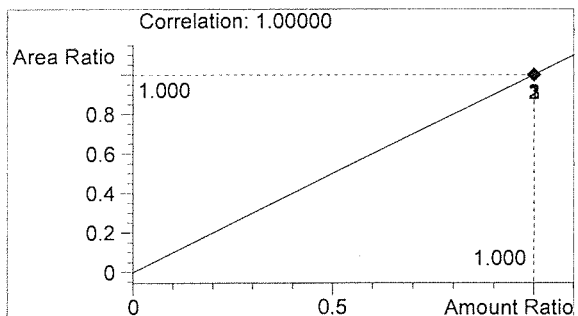
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2897	1.085
2	n-Propanol	3557	1.763



Ethanol 0.185 g/100mL



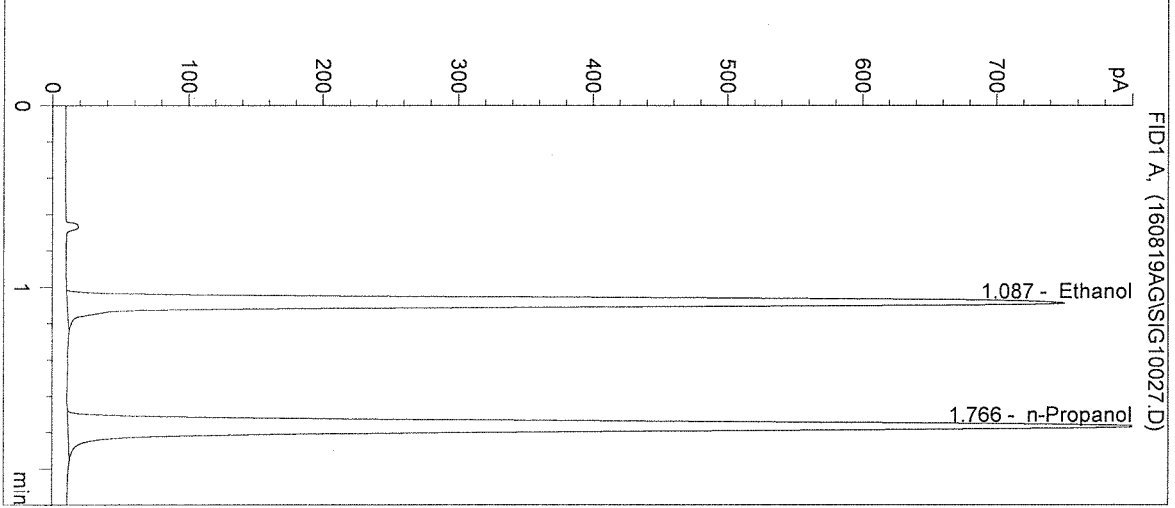
n-Propanol 0.012 g/100mL

*fr*

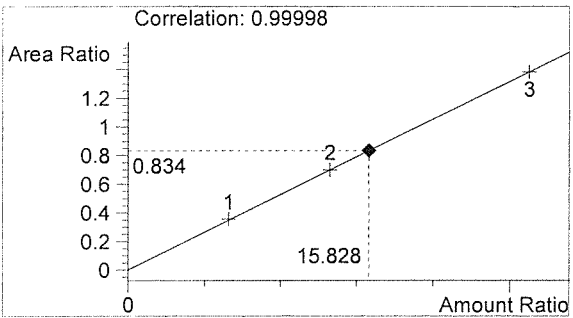
*AG*

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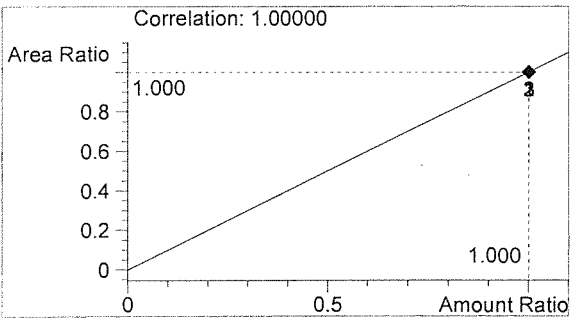
Inj. Date: 8/19/2016 11:59:03 AM      Sample Name: 16034 #4  
Instrument: HSGC#1      Operator: Andrew Gingras  
Column: DB-ALC1      Location: Vial 27  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2538	1.087
2	n-Propanol	3042	1.766



Ethanol      0.190 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 8/19/2016 12:02:16 PM

Sample Name: 16034 #5

Instrument: HSGC#1

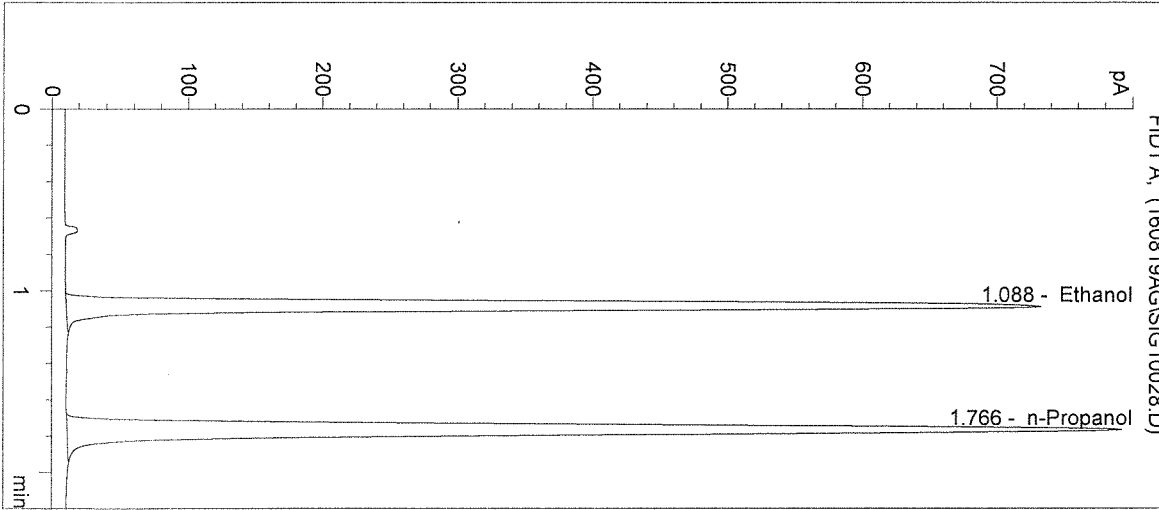
Operator: Andrew Gingras

Column: DB-ALC1

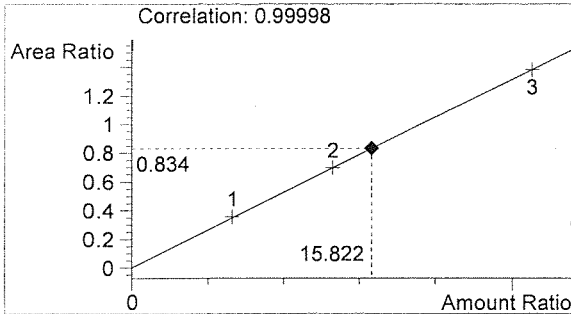
Location: Vial 28

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

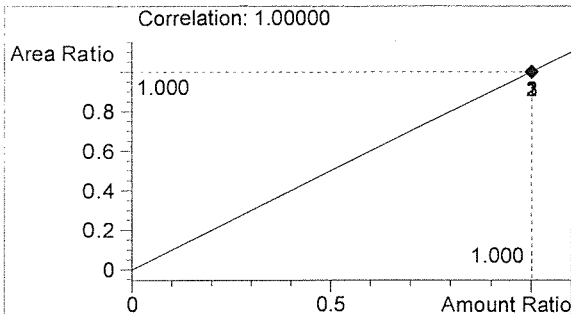
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2483	1.088
2	n-Propanol	2977	1.766



Ethanol 0.190 g/100mL



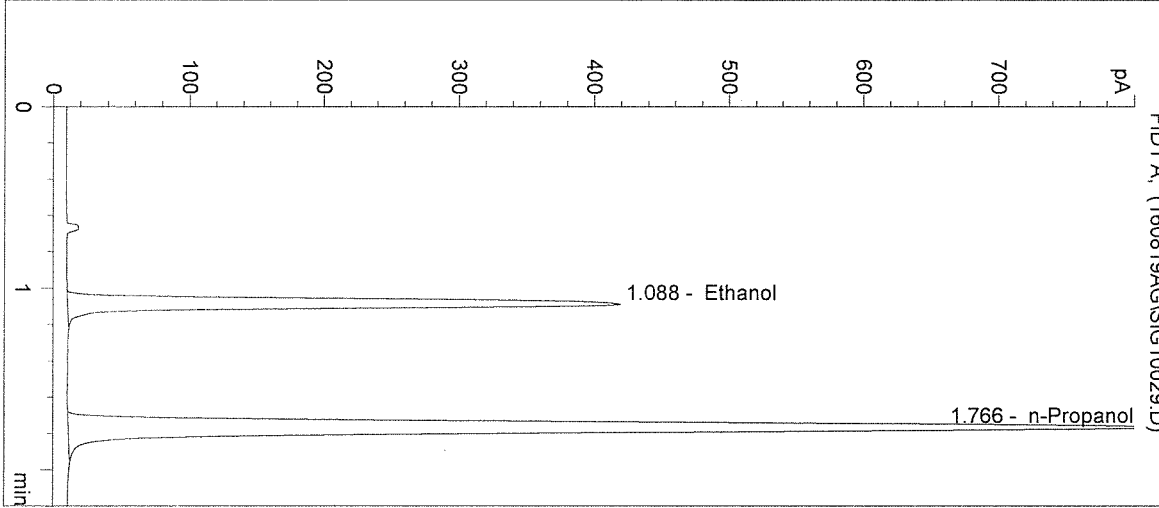
n-Propanol 0.012 g/100mL

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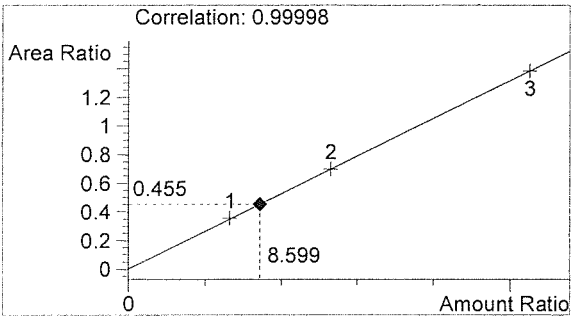
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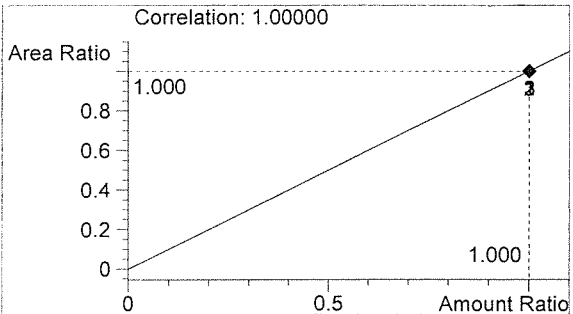
Inj. Date: 8/19/2016 12:05:32 PM      Sample Name: POS CTRL (0.10)  
Instrument: HSGC#1      Operator: Andrew Gingras  
Column: DB-ALC1      Location: Vial 29  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: POS CTRL: 0.10 g/100mL  
16034



#	Compound	Peak Area	RT (min)
1	Ethanol	1405	1.088
2	n-Propanol	3089	1.766



Ethanol      0.103 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 8/19/2016 12:08:44 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

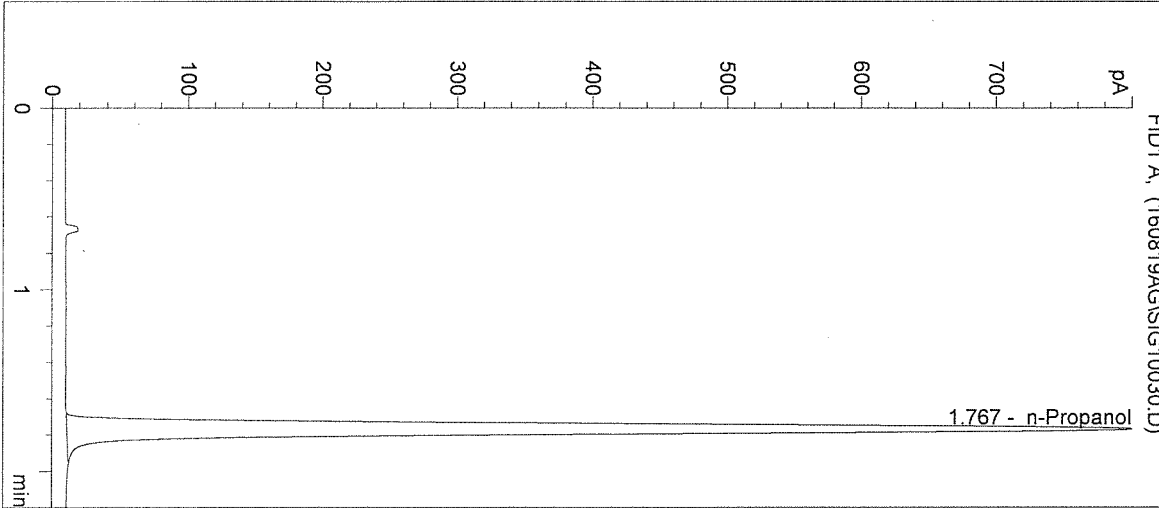
Operator: Andrew Gingras

Column: DB-ALC1

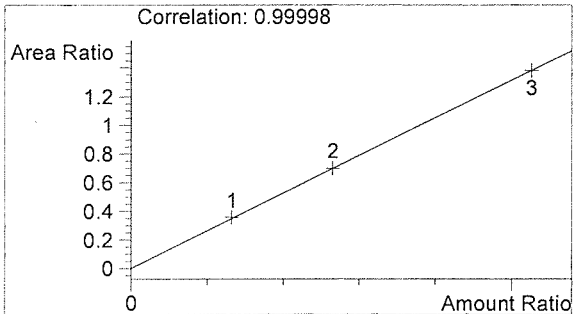
Location: Vial 30

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

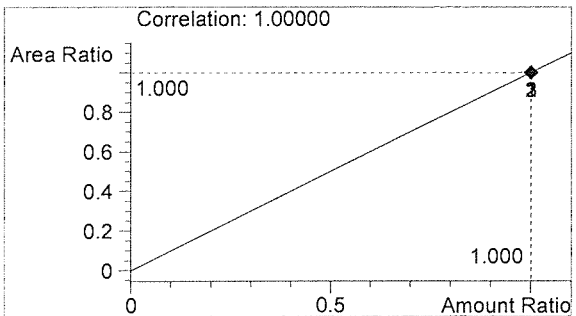
Sample Info: 16034



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3033	1.767



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*gn*

*AG*