



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16033

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 08/12/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Dawn C. Sklerov

	DCS	DN	AG
1	0.098	0.099	0.099
2	0.100	0.099	0.099
3	0.100	0.099	0.100
4	0.100	0.099	0.099
5	0.100	0.099	0.100
C	0.100	0.101	0.103

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0993 g/100mL PRECISION CV (%): 0.62
STANDARD DEVIATION: 0.00062 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0808 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

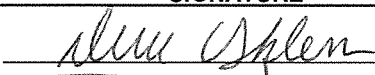
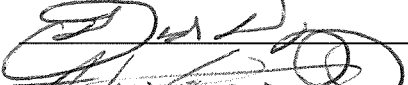

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



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

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

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

QAP Solution Batch #: 16033

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	0.098	0.099	0.099
2	0.100	0.099	0.099
3	0.100	0.099	0.100
4	0.100	0.099	0.099
5	0.100	0.099	0.100
C	0.100	0.101	0.103

	CV ² _{COA}	CV ² _{QAP Solution}	CV ² _{Control}	CV ² _{Part Coef}
1018	0.0000084100	0.0000025739	0.0000757445	0.0001016326

Ethanol Control Lot #: FN08051301

Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0993 g/100mL
 Standard Deviation: 0.00062 g/100mL
 Precision CV (%): 0.62
 Equivalent Vapor Concentration: 0.0808 g/210L
 Combined Standard Uncertainty (±): 0.0011 g/210L
 Expanded Uncertainty (±): 0.0022 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: 9-16-14

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16033

	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: 9-16-14

SOLUTION DATA

fr

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		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16033 for 8/21/16

for

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16033**

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 16033, 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

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16033**

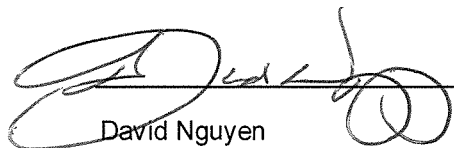
I, David Nguyen, do certify under penalty of perjury that:

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 16033, 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


David Nguyen
Forensic Scientist

9/11/16
Date



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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16033**

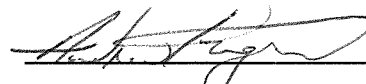
I, Andrew Gingras, do certify under penalty of perjury that:

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 16033, 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


Andrew Gingras
Forensic Scientist

8/21/2016
Date



WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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"/>	_____
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16034</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	_____
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 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 Osale
Analyst Signature

8-12-16
Date *for*

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		

16033

hsk/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!

16033

Inst 12/16

DS

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

Inj. Date: 8/12/2016 11:02:12 AM

Sample Name: 16033-1

Instrument: HSGC#1

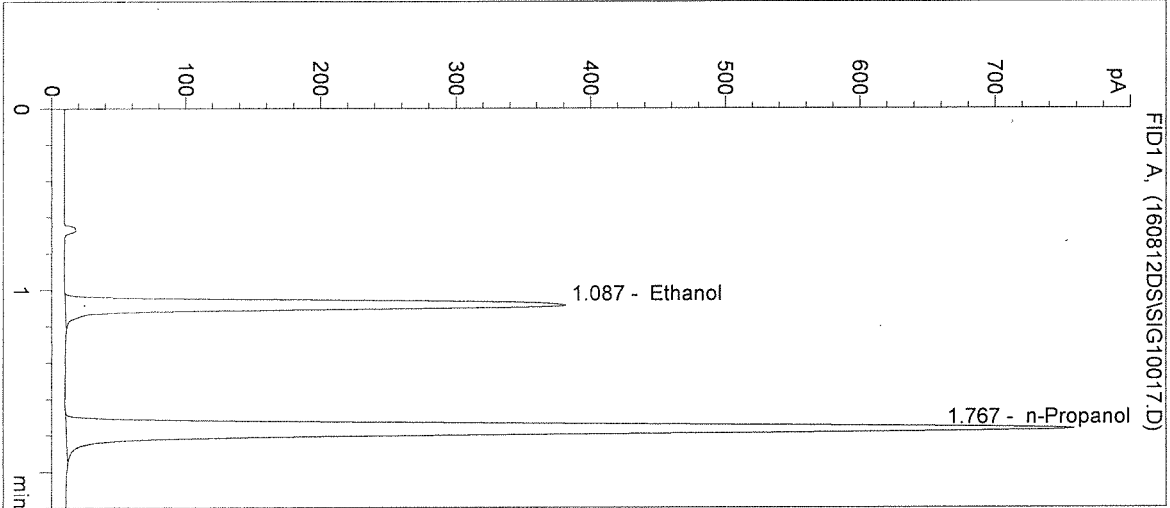
Operator: Dawn Sklerov

Column: DB-ALC1

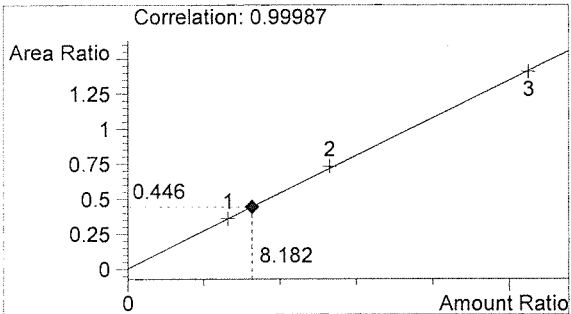
Location: Vial 17

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

Sample Info:

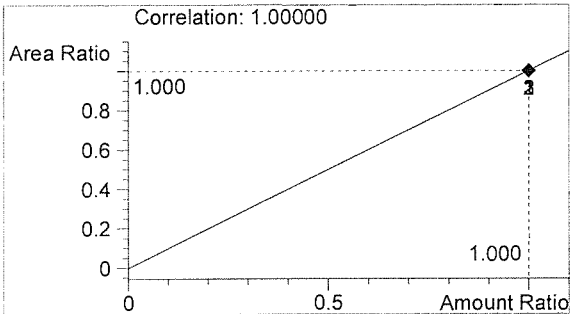


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.087
2	n-Propanol	2819	1.767



Ethanol 0.098 g/100mL

JS



n-Propanol 0.012 g/100mL

JS

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

Inj. Date: 8/12/2016 11:05:25 AM

Sample Name: 16033-2

Instrument: HSGC#1

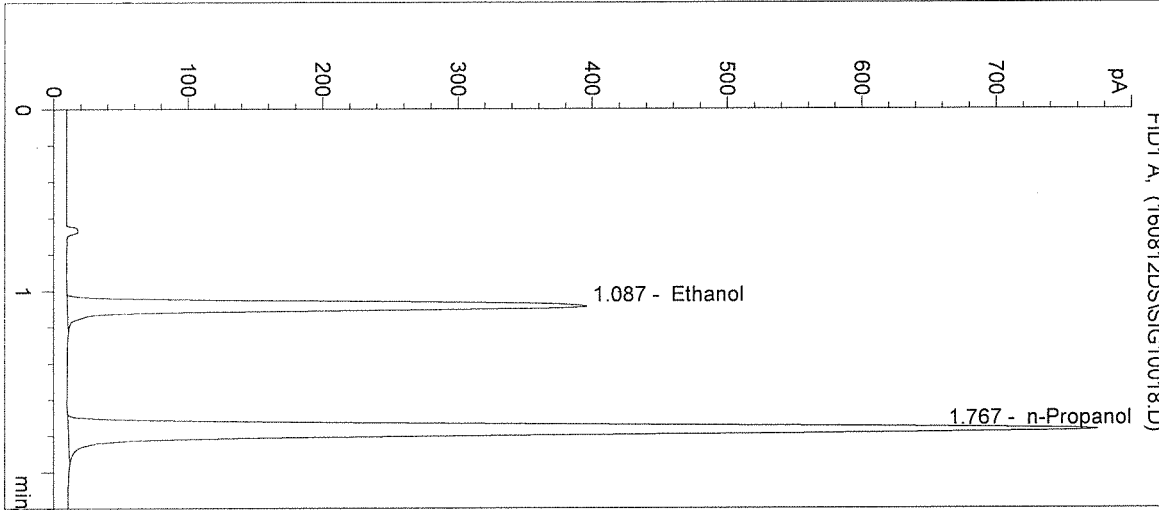
Operator: Dawn Sklerov

Column: DB-ALC1

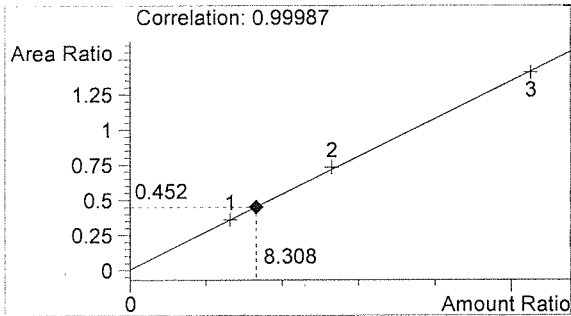
Location: Vial 18

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

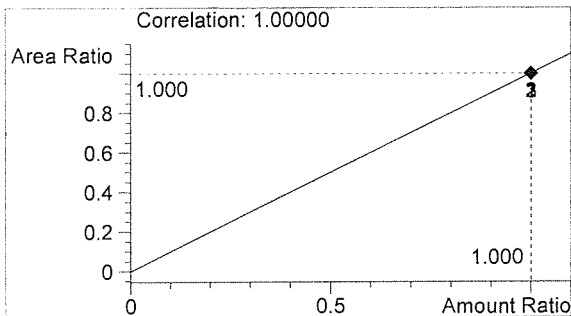
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1305	1.087
2	n-Propanol	2885	1.767



Ethanol 0.100 g/100mL



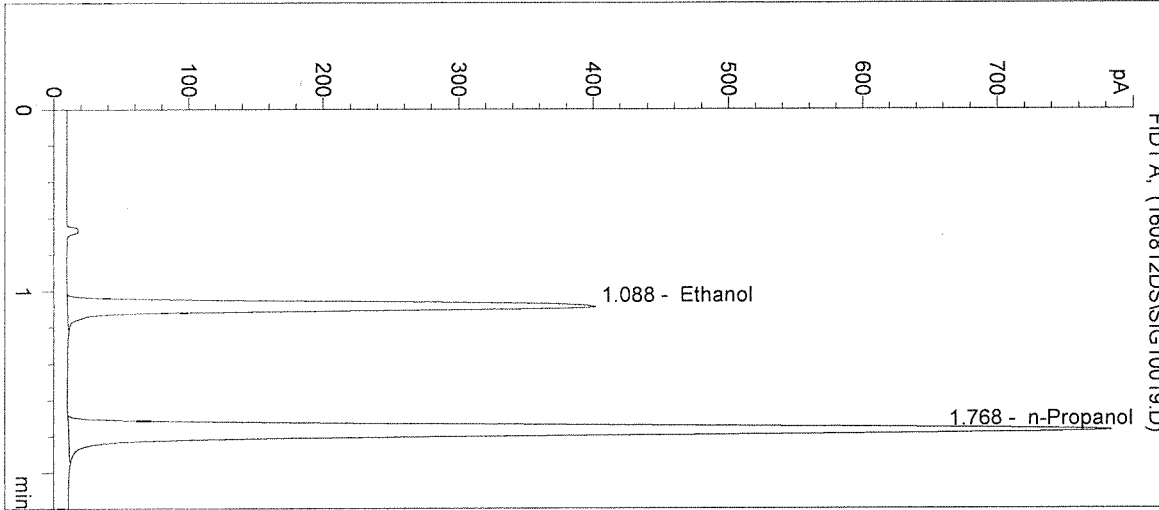
n-Propanol 0.012 g/100mL

JS

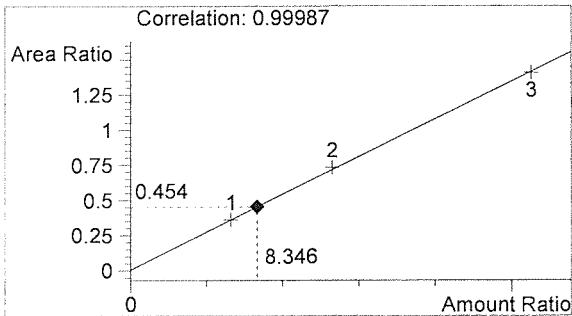
JS

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

Inj. Date: 8/12/2016 11:08:38 AM Sample Name: 16033-3
Instrument: HSGC#1 Operator: Dawn Sklerov
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

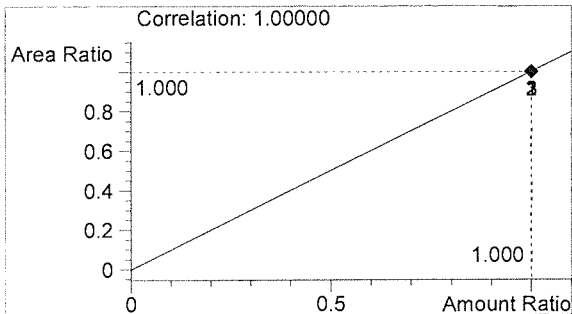


#	Compound	Peak Area	RT (min)
1	Ethanol	1327	1.088
2	n-Propanol	2921	1.768



Ethanol 0.100 g/100mL

JS



n-Propanol 0.012 g/100mL

JS

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

Inj. Date: 8/12/2016 11:11:52 AM

Sample Name: 16033-4

Instrument: HSGC#1

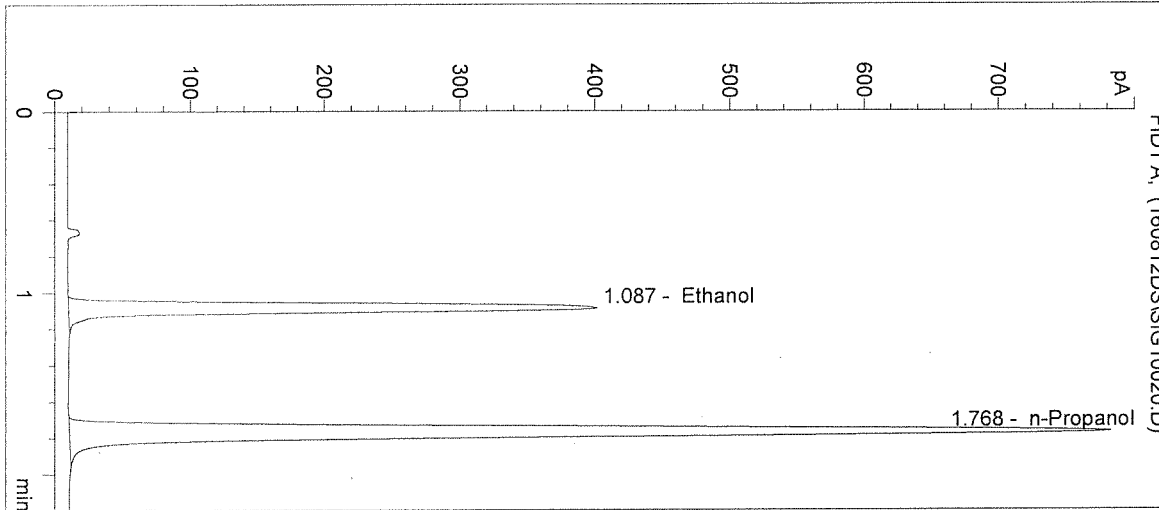
Operator: Dawn Sklerov

Column: DB-ALC1

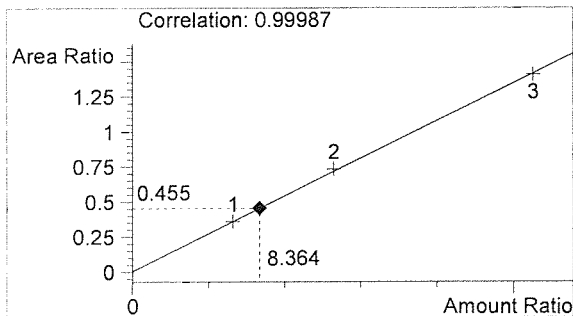
Location: Vial 20

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

Sample Info:

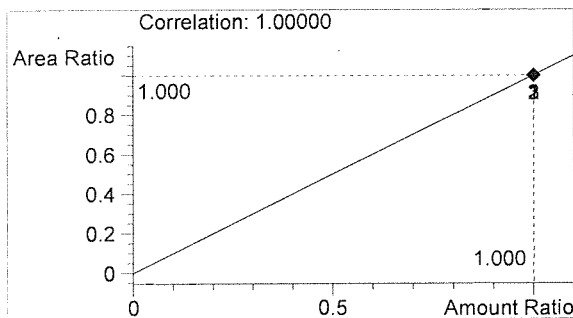


#	Compound	Peak Area	RT (min)
1	Ethanol	1330	1.087
2	n-Propanol	2921	1.768



Ethanol 0.100 g/100mL

JS



n-Propanol 0.012 g/100mL

JS

Inj. Date: 8/12/2016 11:15:05 AM

Sample Name: 16033-5

Instrument: HSGC#1

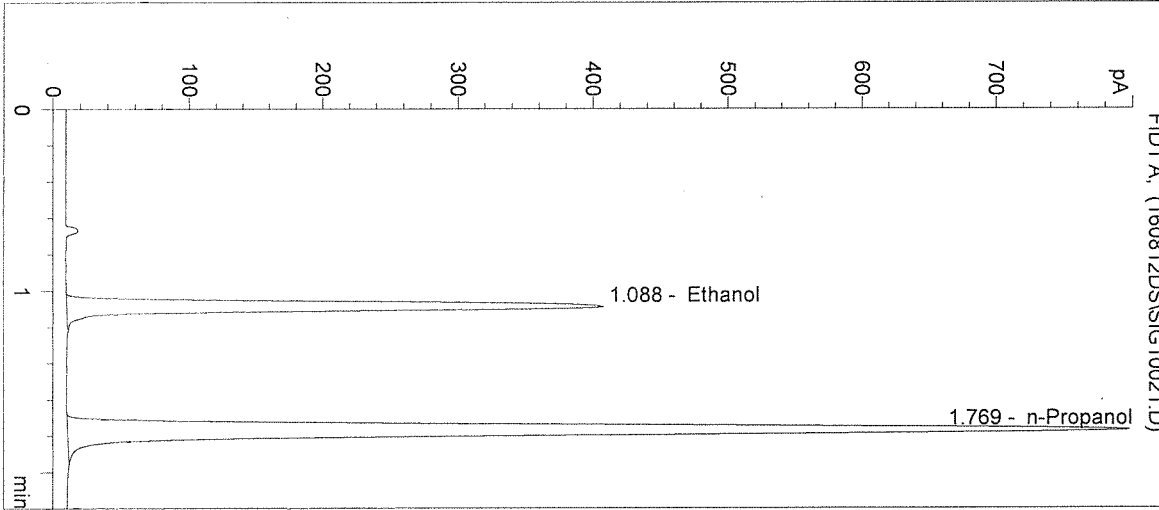
Operator: Dawn Sklerov

Column: DB-ALC1

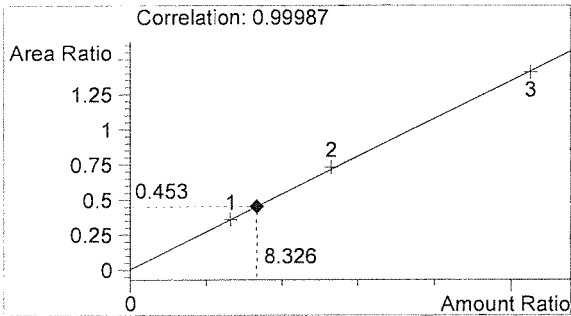
Location: Vial 21

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

Sample Info:

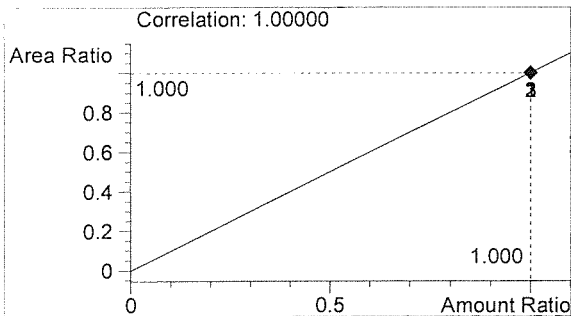


#	Compound	Peak Area	RT (min)
1	Ethanol	1349	1.088
2	n-Propanol	2975	1.769



Ethanol 0.100 g/100mL

JS



n-Propanol 0.012 g/100mL

DS

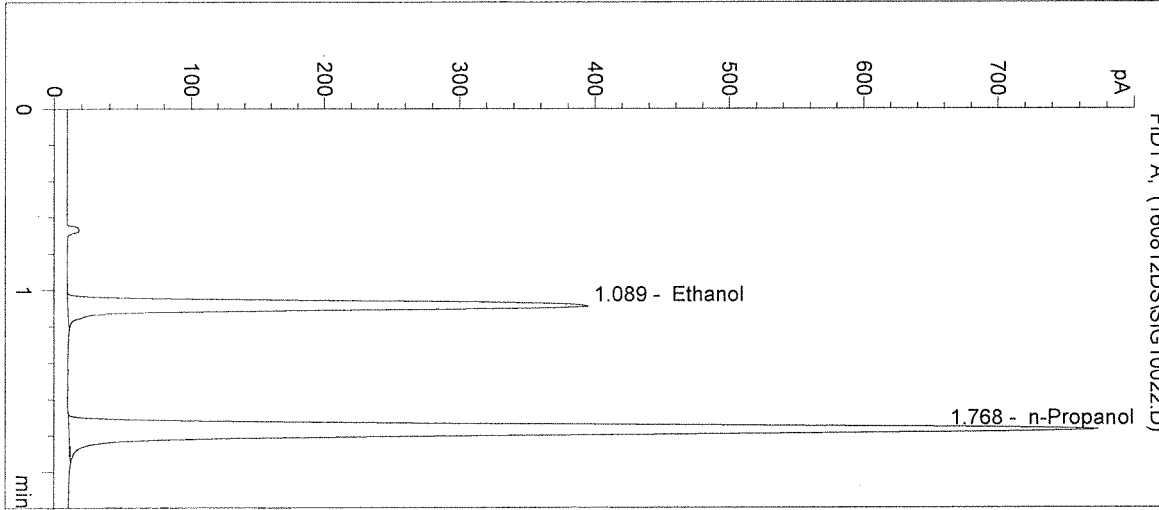
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 11:18:18 AM
 Instrument: HSGC#1

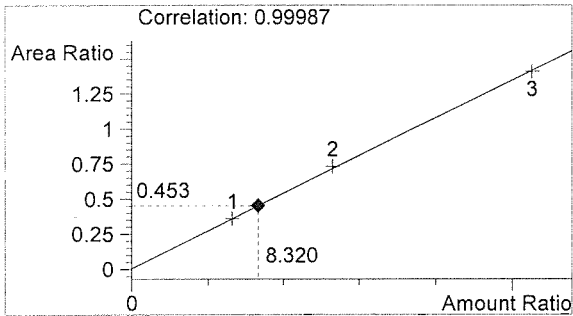
Sample Name: 0.10 CTRL
 Operator: Dawn Sklerov
 Location: Vial 22

Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 16033

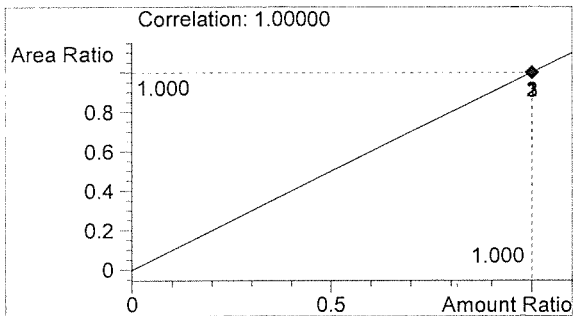


#	Compound	Peak Area	RT (min)
1	Ethanol	1308	1.089
2	n-Propanol	2887	1.768



Ethanol 0.100 g/100mL

for



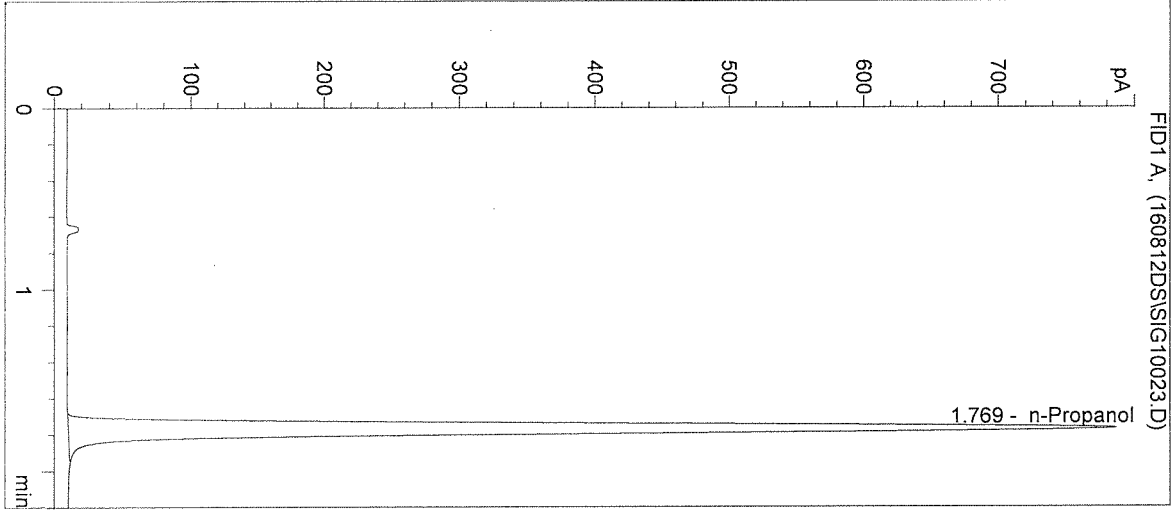
n-Propanol 0.012 g/100mL

DS

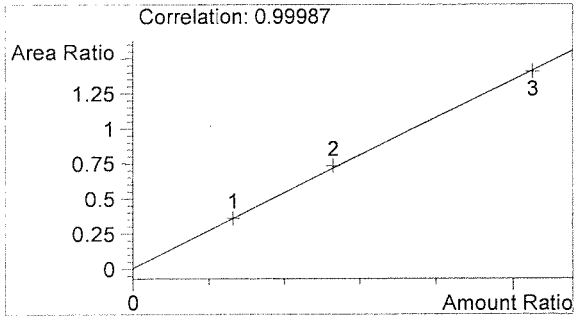
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 11:21:31 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16033

Sample Name: NEG CTRL
 Operator: Dawn Sklerov
 Location: Vial 23

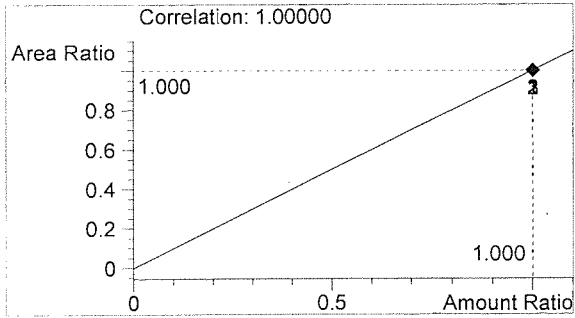


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2942	1.769



Ethanol 0.000 g/100mL

JS



n-Propanol 0.012 g/100mL

OS

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		

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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):

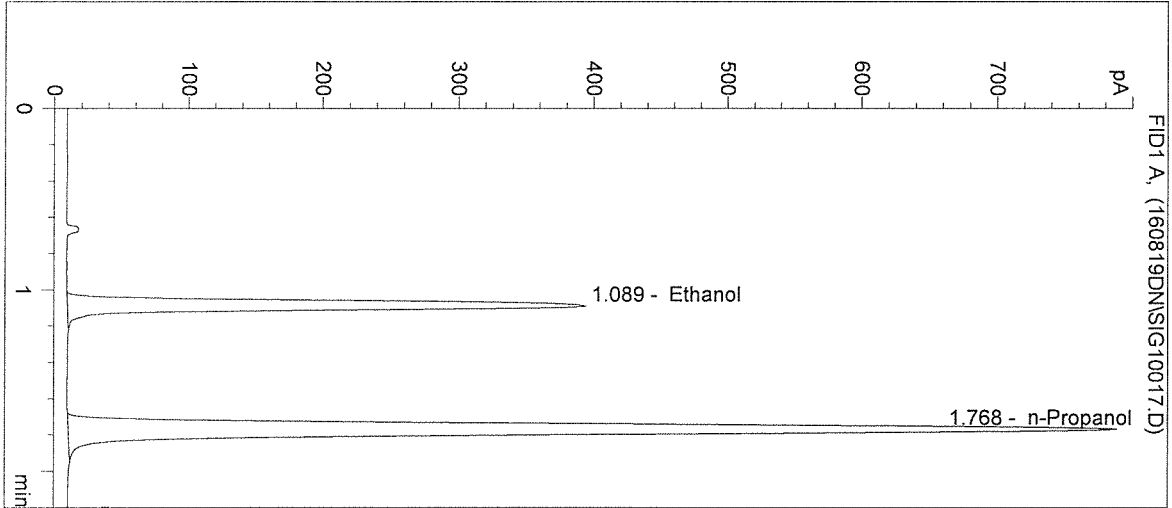
No entries - empty table!

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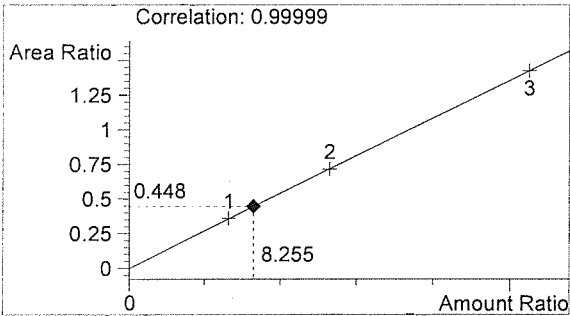
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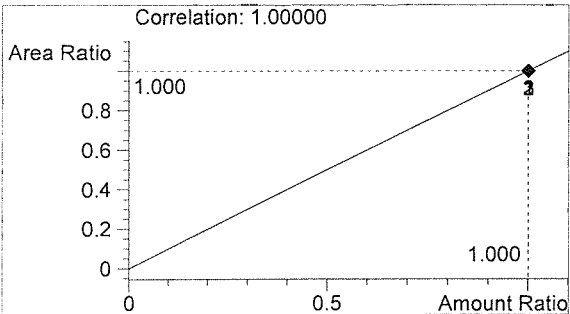
Inj. Date: 8/19/2016 7:55:16 AM Sample Name: 16033 #1
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 17
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1333	1.089
2	n-Propanol	2976	1.768



Ethanol 0.099 g/100mL

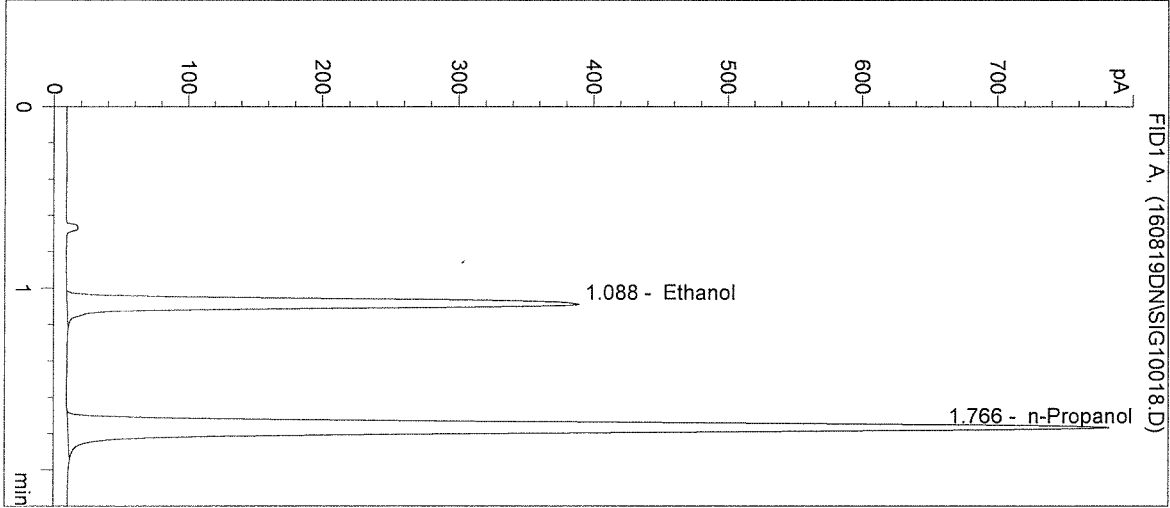


n-Propanol 0.012 g/100mL

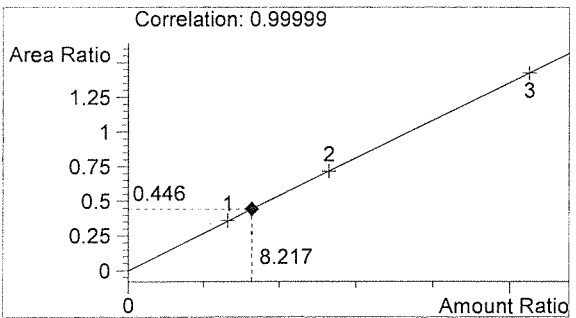
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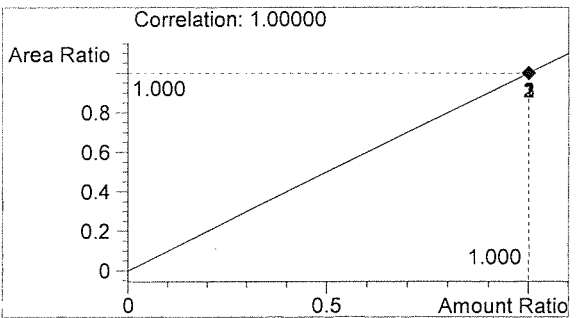
Inj. Date: 8/19/2016 7:58:30 AM Sample Name: 16033 #2
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 18
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1312	1.088
2	n-Propanol	2943	1.766



Ethanol 0.099 g/100mL

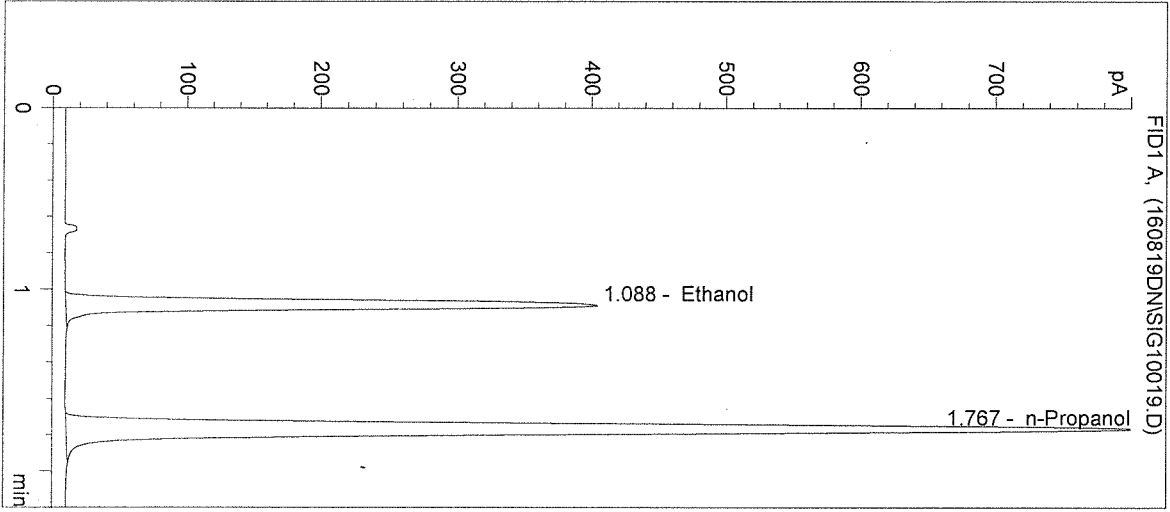


n-Propanol 0.012 g/100mL

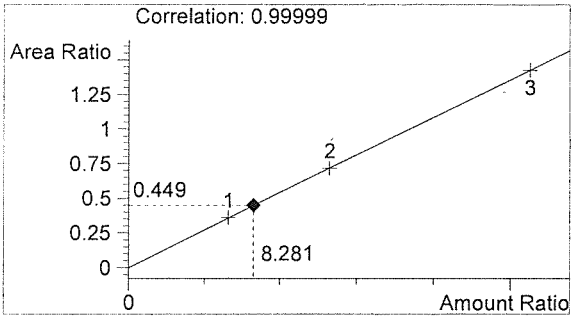
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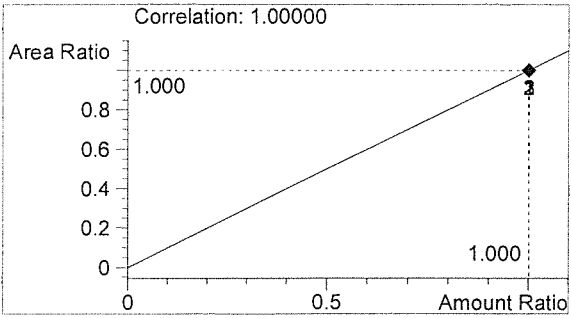
Inj. Date: 8/19/2016 8:01:42 AM Sample Name: 16033 #3
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1371	1.088
2	n-Propanol	3050	1.767



Ethanol 0.099 g/100mL

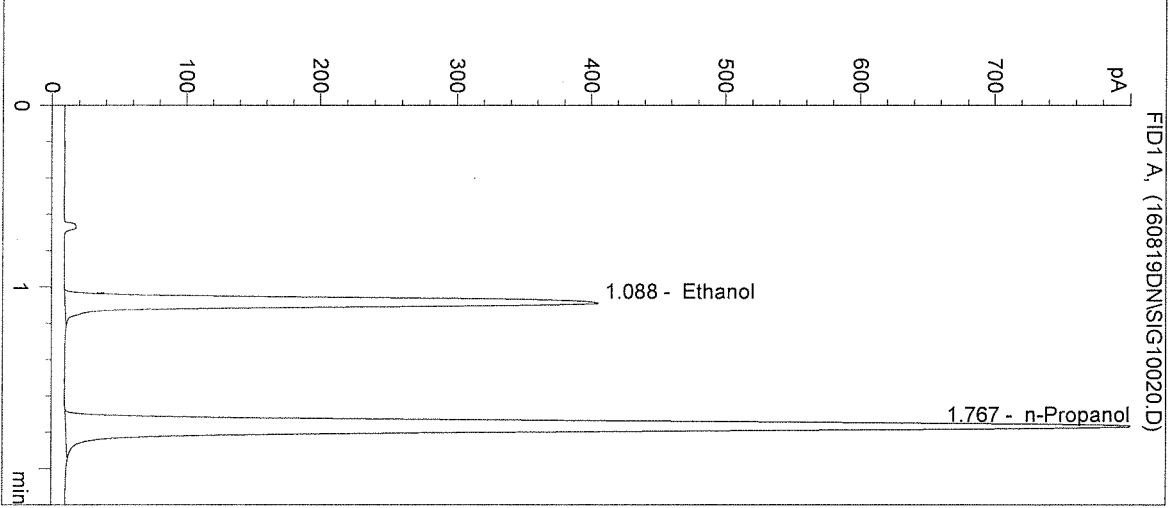


n-Propanol 0.012 g/100mL

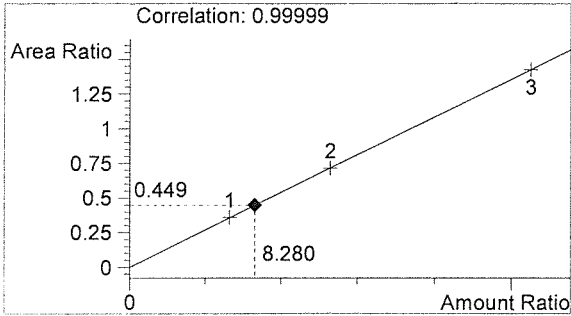
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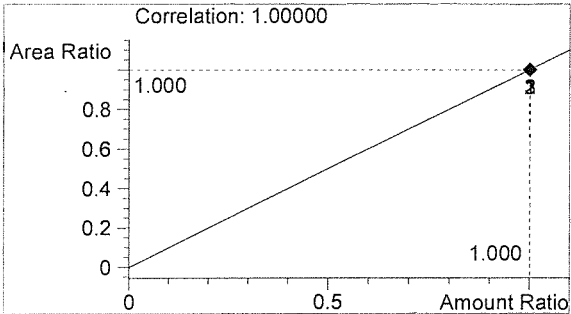
Inj. Date: 8/19/2016 8:04:56 AM Sample Name: 16033 #4
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 20
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1373	1.088
2	n-Propanol	3057	1.767



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 8:08:09 AM

Sample Name: 16033 #5

Instrument: HSGC#1

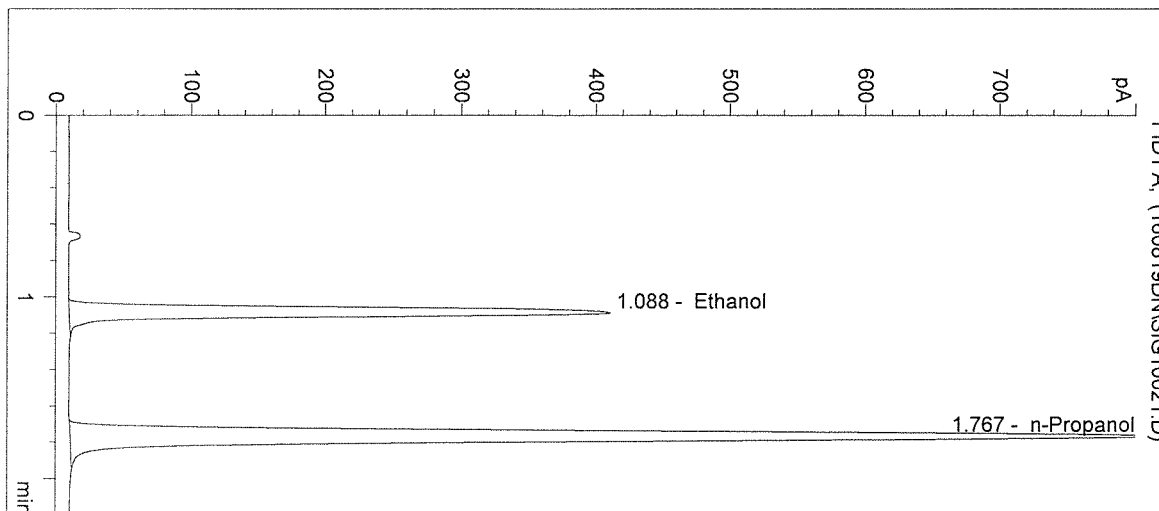
Operator: David Nguyen

Column: DB-ALC1

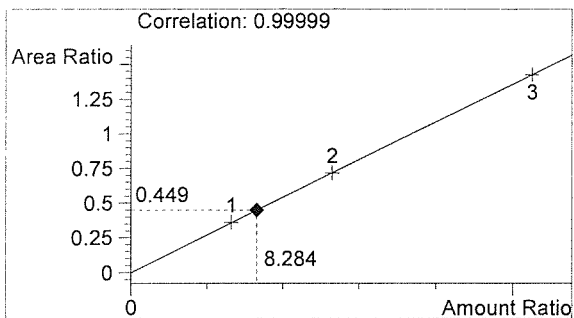
Location: Vial 21

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

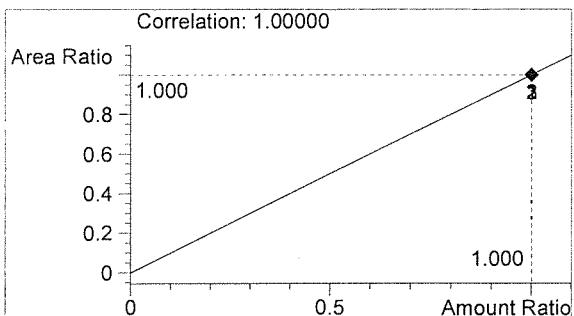
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1389	1.088
2	n-Propanol	3090	1.767



Ethanol 0.099 g/100mL



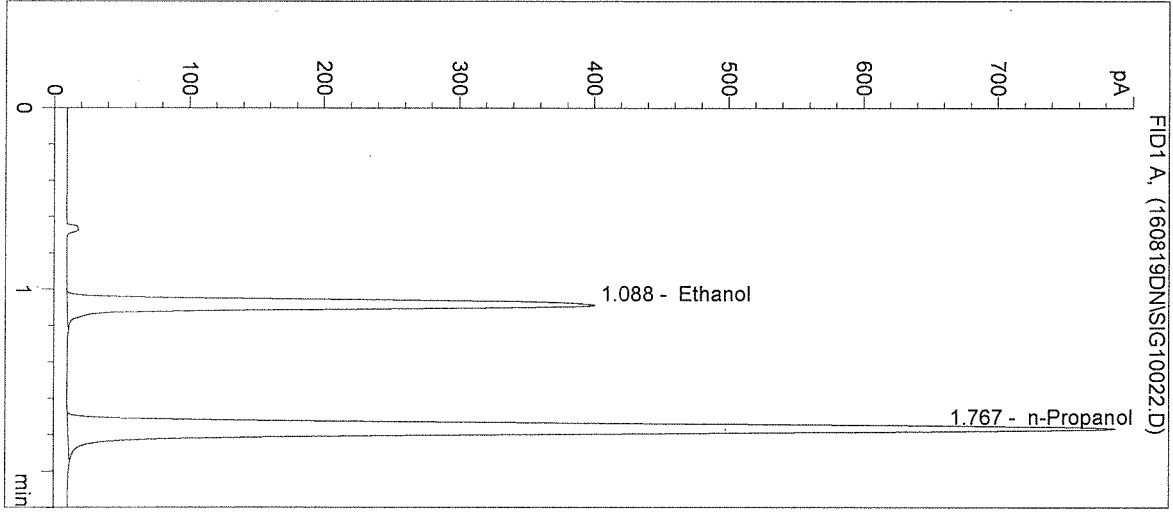
n-Propanol 0.012 g/100mL

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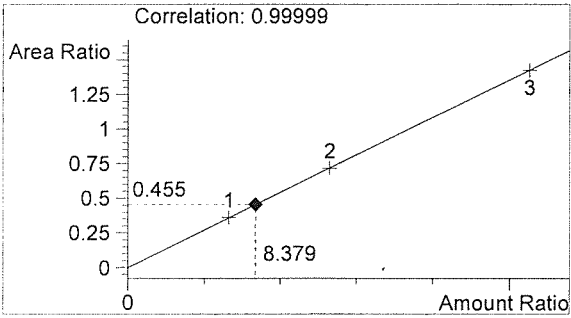
Handwritten number 2

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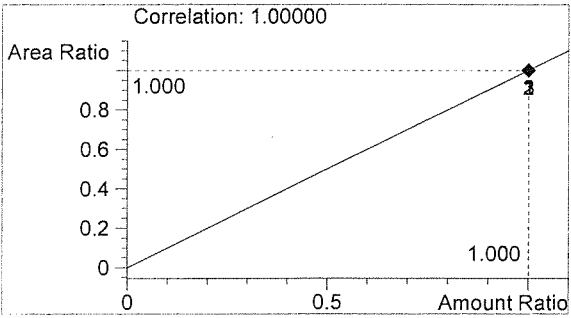
Inj. Date: 8/19/2016 8:11:23 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16033



#	Compound	Peak Area	RT (min)
1	Ethanol	1350	1.088
2	n-Propanol	2970	1.767



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 8:14:36 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

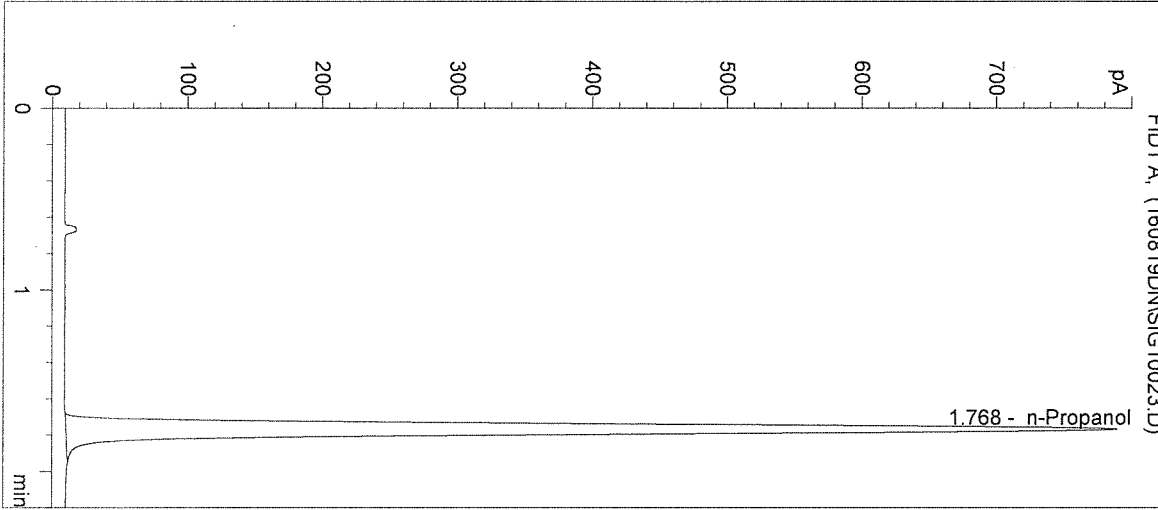
Operator: David Nguyen

Column: DB-ALC1

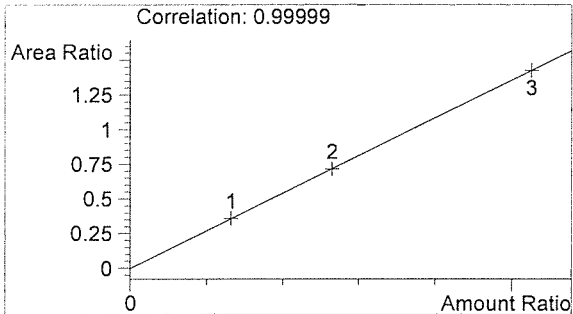
Location: Vial 23

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

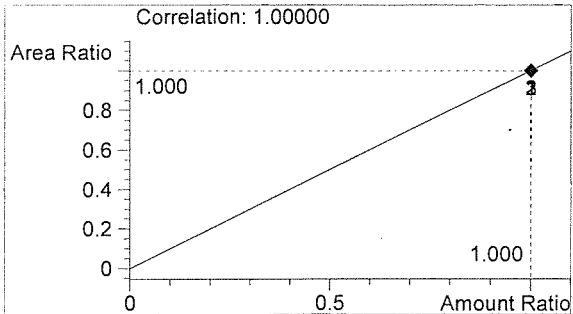
Sample Info: 16033



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2985	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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		

16033
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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!

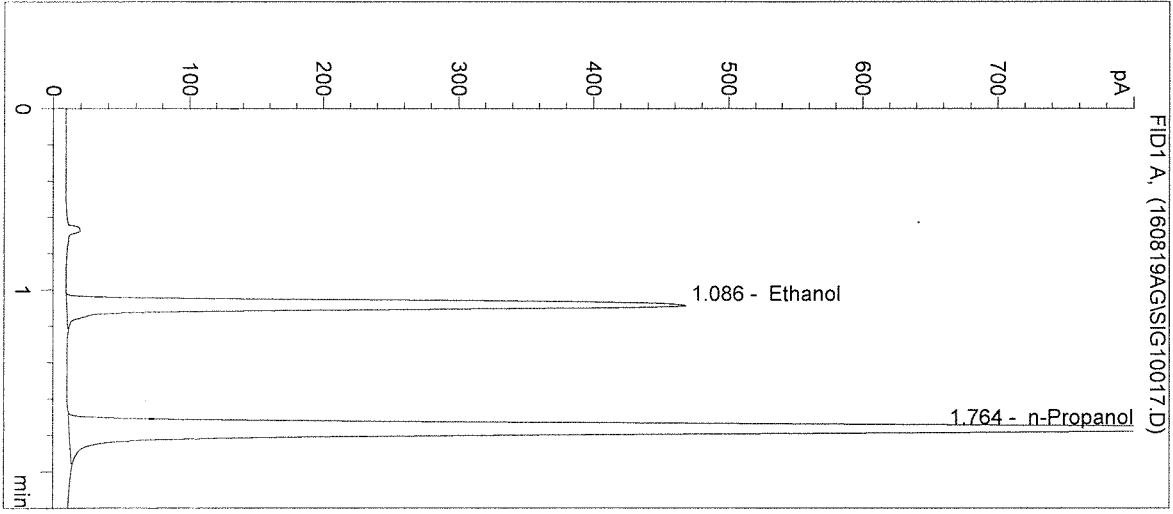
16033

8/23/16

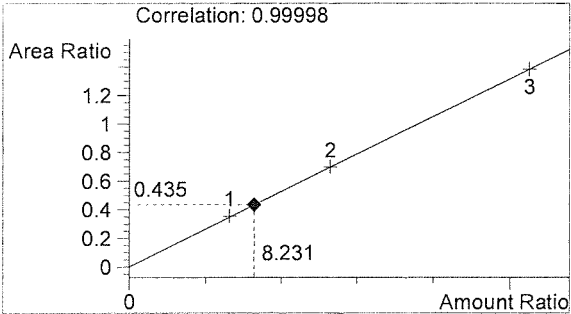
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Inj. Date: 8/19/2016 11:26:51 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

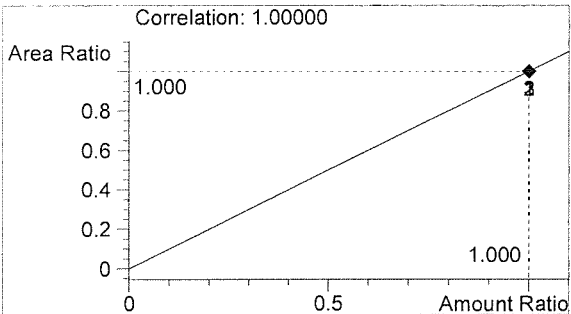
Sample Name: 16033 #1
 Operator: Andrew Gingras
 Location: Vial 17



#	Compound	Peak Area	RT (min)
1	Ethanol	1544	1.086
2	n-Propanol	3546	1.764



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:30:04 AM

Sample Name: 16033 #2

Instrument: HSGC#1

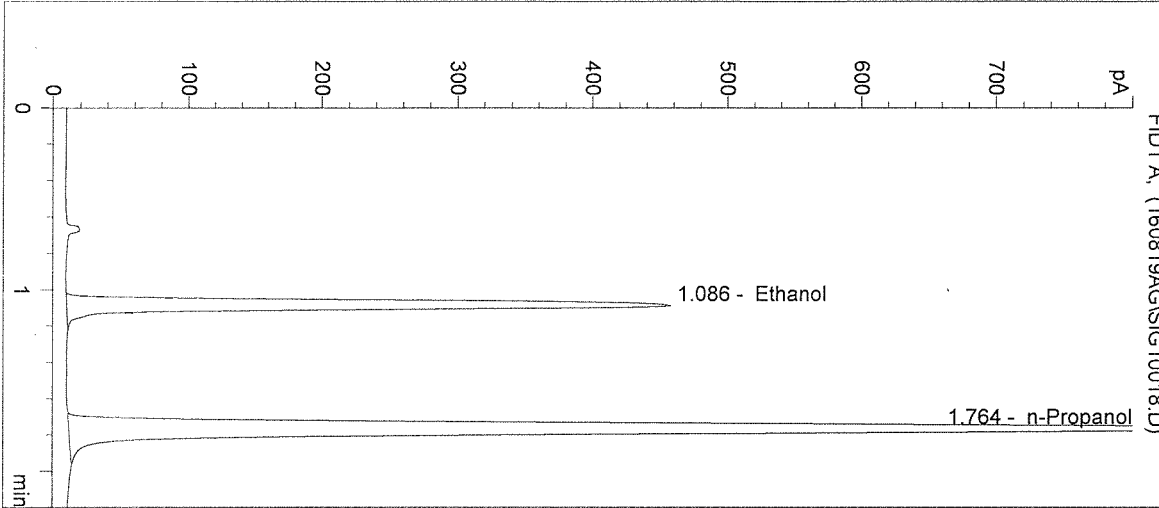
Operator: Andrew Gingras

Column: DB-ALC1

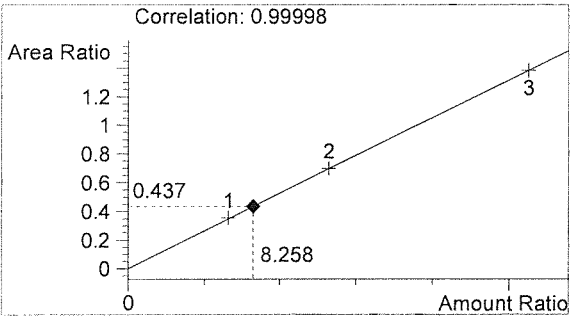
Location: Vial 18

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

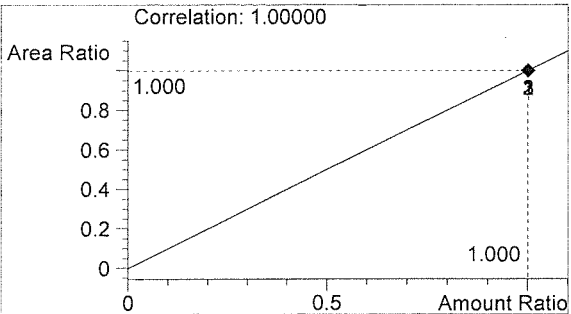
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1520	1.086
2	n-Propanol	3479	1.764



Ethanol 0.099 g/100mL



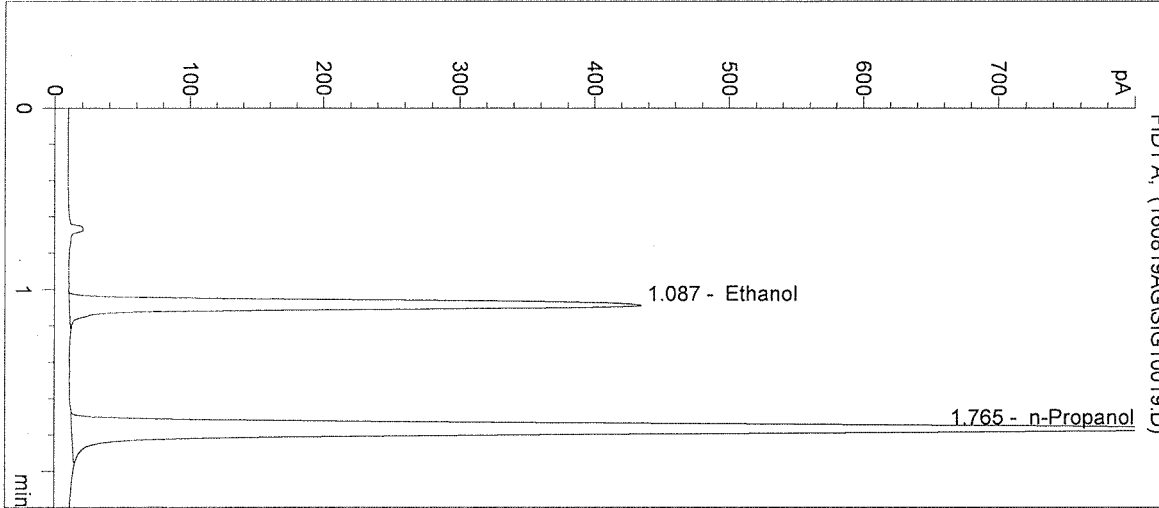
n-Propanol 0.012 g/100mL

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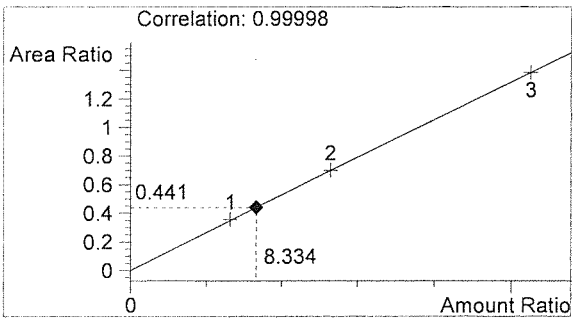
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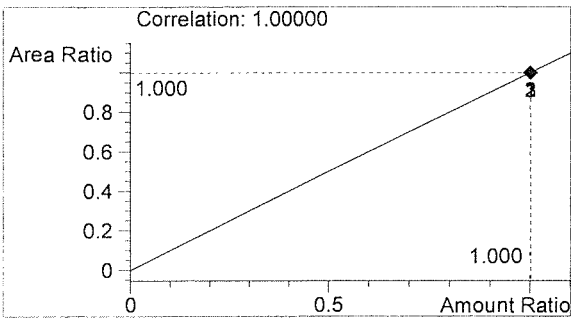
Inj. Date: 8/19/2016 11:33:18 AM Sample Name: 16033 #3
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1443	1.087
2	n-Propanol	3273	1.765



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:36:31 AM

Sample Name: 16033 #4

Instrument: HSGC#1

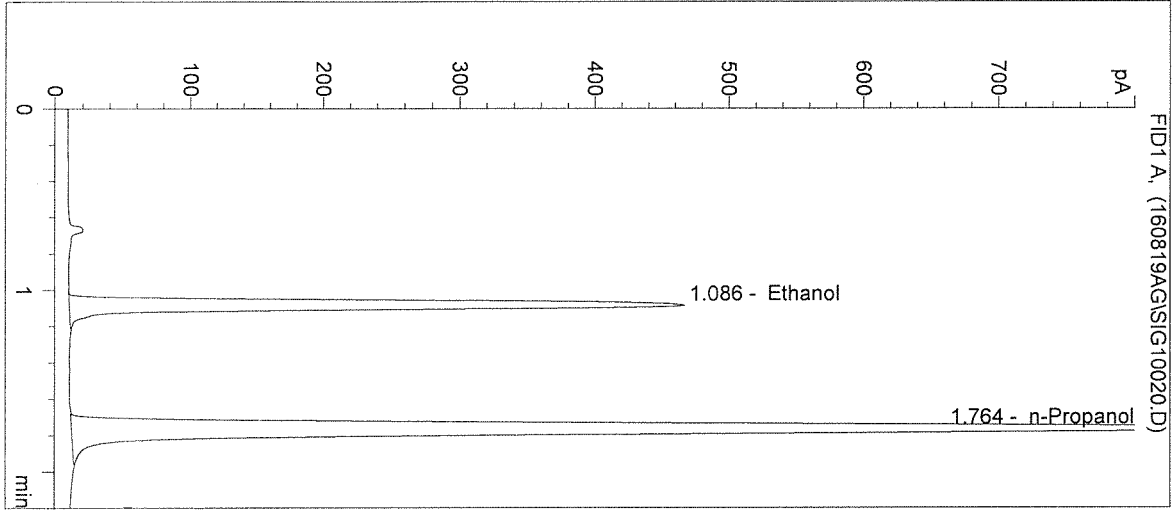
Operator: Andrew Gingras

Column: DB-ALC1

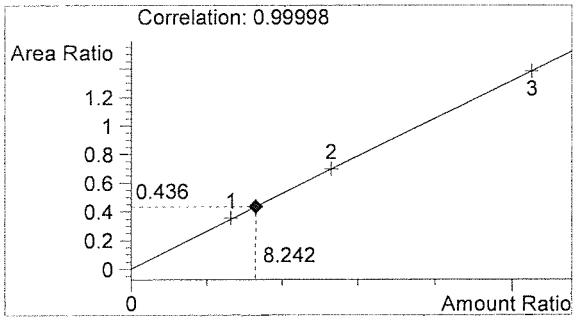
Location: Vial 20

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

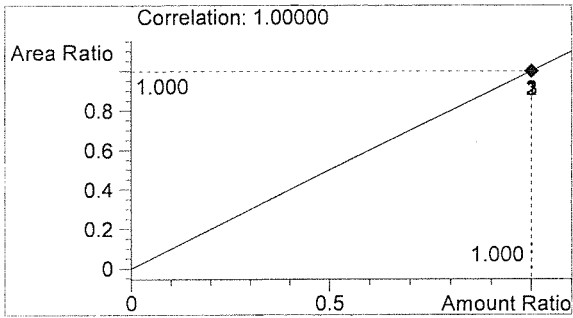
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1535	1.086
2	n-Propanol	3521	1.764



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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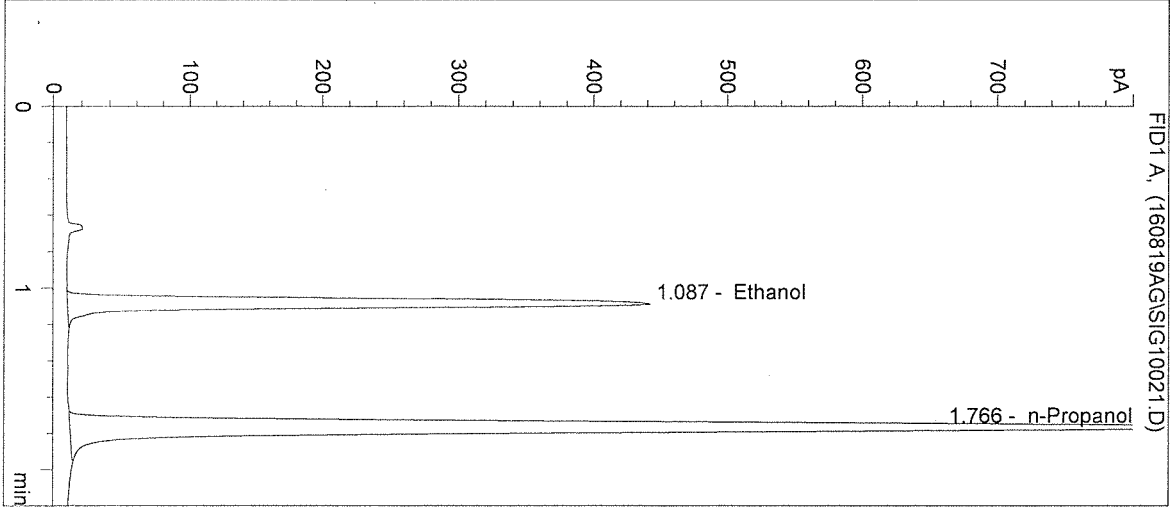
Handwritten signature

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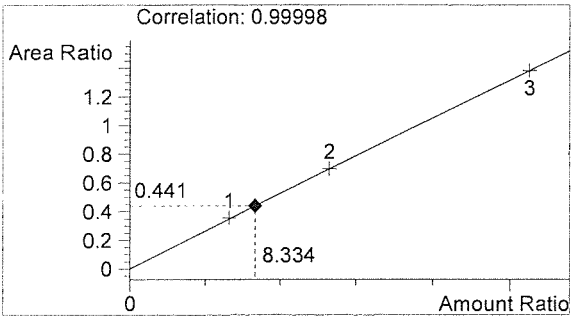
Inj. Date: 8/19/2016 11:39:44 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16033 #5
 Operator: Andrew Gingras
 Location: Vial 21

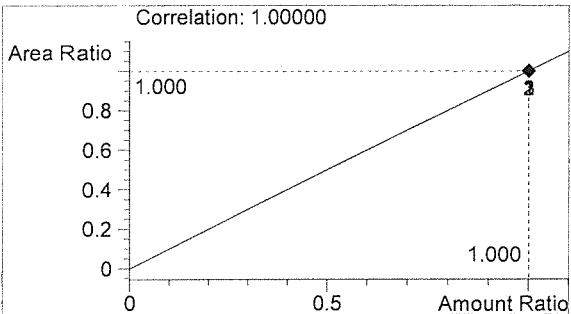
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1472	1.087
2	n-Propanol	3340	1.766



Ethanol 0.100 g/100mL



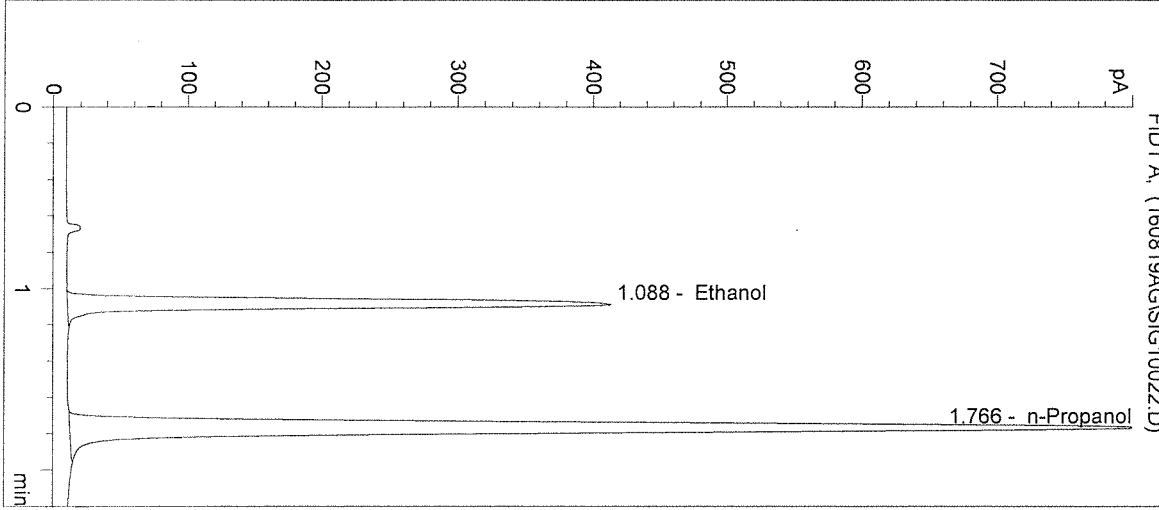
n-Propanol 0.012 g/100mL

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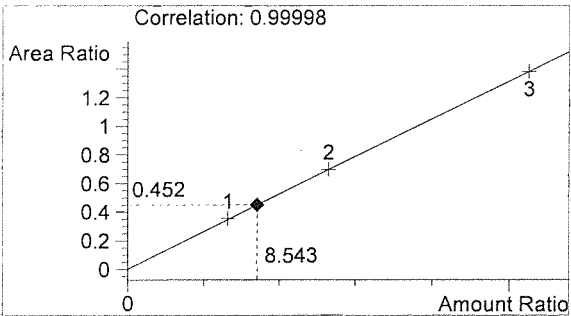
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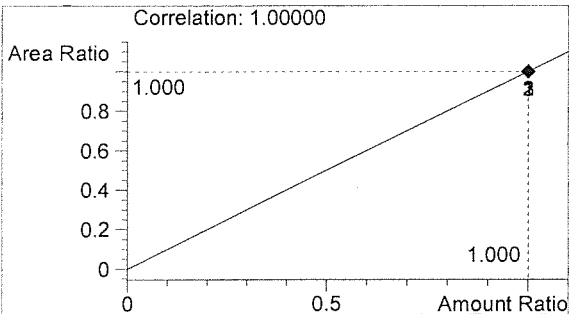
Inj. Date: 8/19/2016 11:42:57 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16033



#	Compound	Peak Area	RT (min)
1	Ethanol	1377	1.088
2	n-Propanol	3049	1.766



Ethanol 0.103 g/100mL



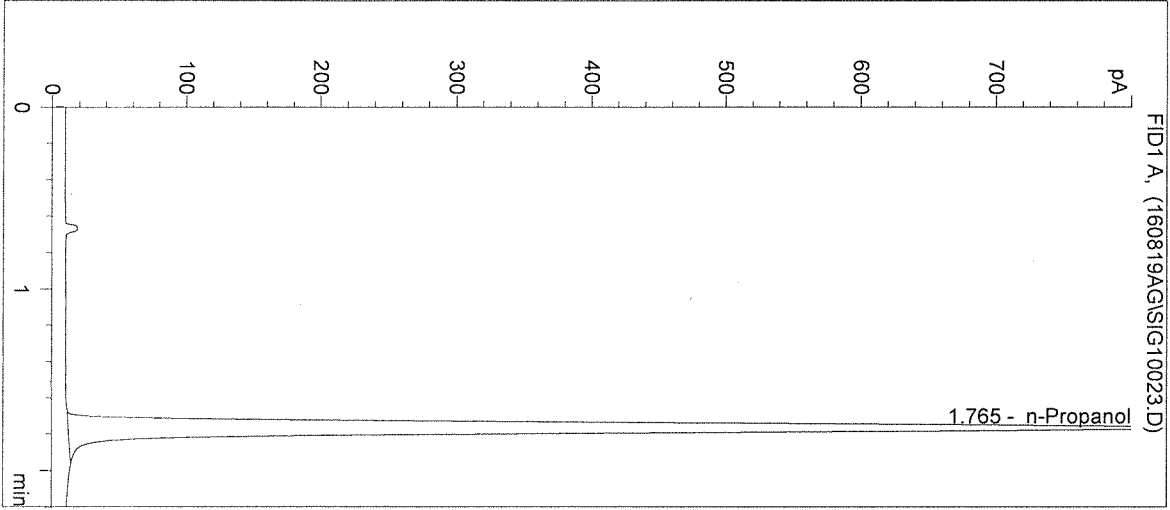
n-Propanol 0.012 g/100mL

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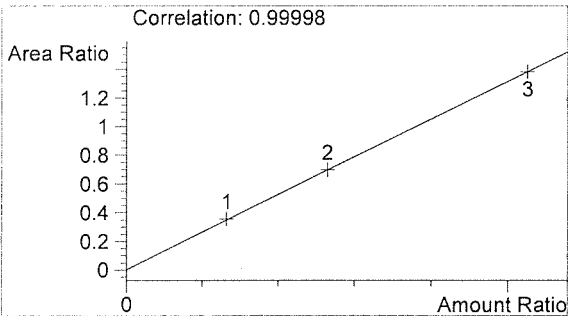
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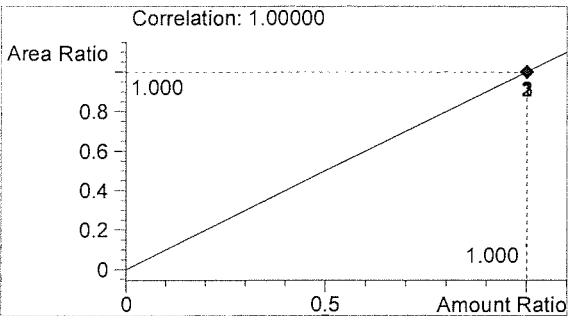
Inj. Date: 8/19/2016 11:46:10 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16033



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3141	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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