



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 16004**

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.10 g/210L  
DATE PREPARED: 02/10/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Elizabeth Wehner

	EW	JLK	AG
1	0.128	0.128	0.127
2	0.127	0.128	0.127
3	0.128	0.128	0.129
4	0.128	0.128	0.127
5	0.127	0.128	0.129
C	0.102	0.102	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1278 g/100mL PRECISION CV (%): 0.53  
STANDARD DEVIATION: 0.00068 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1039 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

3/18/16  
\_\_\_\_\_  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>	02/10/2016
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	02/11/2016
AG	Andrew Gingras	<i>Andrew Gingras</i>	02/12/2016

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

QAP Solution Batch #: 16004

Date Prepared: 2/10/2016

Analyst:	EW	JLK	AG
Date Tested:	2/10/2016	2/11/2016	2/12/2016
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.128	0.128	0.127
2	0.127	0.128	0.127
3	0.128	0.128	0.129
4	0.128	0.128	0.127
5	0.127	0.128	0.129
C	0.102	0.102	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000018659	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1278 g/100mL  
 Standard Deviation: 0.00068 g/100mL  
 Precision CV (%): 0.53  
 Equivalent Vapor Concentration: 0.1039 g/210L  
 Combined Standard Uncertainty ( $\pm$ ): 0.0011 g/210L  
 Expanded Uncertainty ( $\pm$ ): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 3/7/16  
 Name Signature Date

Calculations verified by: Amenda M. Black [Signature] 3-17-16  
 Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 3/7/16  
 Name Signature Date

[Handwritten mark]

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 3-17-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16004

	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:

  
Amanda M. Black  
State Toxicologist

Date: 3-17-16



**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
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	3/10/16
<b>Asa Louis</b>		
<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>	<i>EW</i>	03/09/16
<b>Justin Knoy</b>	<i>JK</i>	3.10.16
<b>Katie Harris</b>		
<b>Lyndsey Lowe</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 16004 Ln 317/116

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16004**

I, Elizabeth Wehner, 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 Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 16004, was prepared in the Washington State Toxicology Laboratory on 2/10/2016. 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 2/10/2017.

Seattle, WA

*Elizabeth Wehner 03/09/16*

Elizabeth Wehner

Date

Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16004**

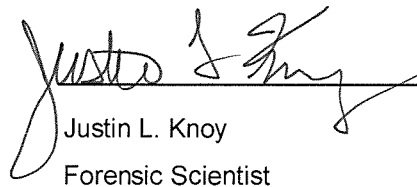
I, Justin L. Knoy, do certify under penalty of perjury that:

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.

The quality assurance procedure (QAP) solution, Lot Number 16004, was prepared in the Washington State Toxicology Laboratory on 2/10/2016. 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 2/10/2017.

Seattle, WA

 3.10.16  
Justin L. Knoy Date  
Forensic Scientist



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16004**

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 16004, was prepared in the Washington State Toxicology Laboratory on 2/10/2016. 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 2/10/2017.

Seattle, WA

 3/10/2016

Andrew Gingras  
Forensic Scientist

Date



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

Preparation Date: 02/10/16 Expiration Date: 02/10/17 Initials of Preparer: EWLot # of 200-proof Ethanol used in preparation: 2EA0437Date the 200-proof Ethanol bottle was opened: 11/13/15

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>16002</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16003</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>16004</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16005</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 02/10/16  
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:

Elizabeth Wehner  
Analyst Signature

02/10/16  
Date

*EW*



Sequence Parameters:

Operator: Elizabeth Wehner  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 160210EW  
 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#: E1015-01 Exp. 04/29/2016  
 CAL 2: 0.158 g/100mL - Lot#: E1015-02 Exp. 04/29/2016  
 CAL 3: 0.316 g/100mL - Lot#: E1015-03 Exp. 04/29/2016  
  
 CTRL 1: 0.04 g/100mL - Lot#: FN05011301 Exp. 05/2018  
 CTRL 2: 0.10 g/100mL - Lot#: FN08051301 Exp. 10/2018  
 CTRL 3: 0.20 g/100mL - Lot#: FN03211401 Exp. 06/2019  
  
 n-Propanol ISTD - Lot#: P0216 Exp: 05/02/2016  
  
 Calibration vials 1-9 are filed with Batch 16002.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16002 #1	SIMALC3	1	Sample		
11	Vial 11	16002 #2	SIMALC3	1	Sample		
12	Vial 12	16002 #3	SIMALC3	1	Sample		
13	Vial 13	16002 #4	SIMALC3	1	Sample		
14	Vial 14	16002 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003 #1	SIMALC3	1	Sample		
18	Vial 18	16003 #2	SIMALC3	1	Sample		
19	Vial 19	16003 #3	SIMALC3	1	Sample		
20	Vial 20	16003 #4	SIMALC3	1	Sample		
21	Vial 21	16003 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004 #1	SIMALC3	1	Sample		

16008  
 In 3/7/16  
 In 3/7/16

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16004 #2	SIMALC3	1	Sample		
26	Vial 26	16004 #3	SIMALC3	1	Sample		
27	Vial 27	16004 #4	SIMALC3	1	Sample		
28	Vial 28	16004 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005 #1	SIMALC3	1	Sample		
32	Vial 32	16005 #2	SIMALC3	1	Sample		
33	Vial 33	16005 #3	SIMALC3	1	Sample		
34	Vial 34	16005 #4	SIMALC3	1	Sample		
35	Vial 35	16005 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16008<sup>4</sup> 2/3/16  
2/3/16

EW

Inj. Date: 2/10/2016 11:22:41 AM

Sample Name: 16004 #1

Instrument: HSGC#3

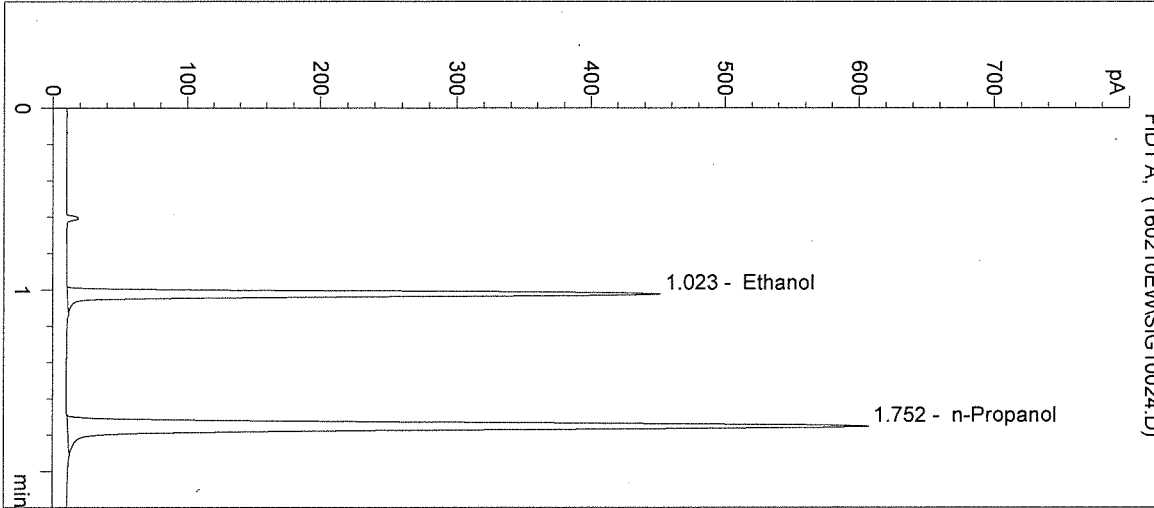
Operator: Elizabeth Wehner

Column: DB-ALC2

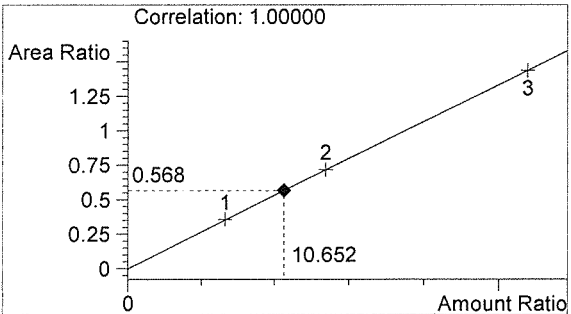
Location: Vial 24

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

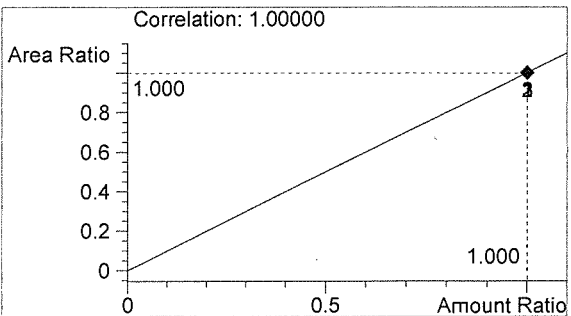
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	920	1.023
2	n-Propanol	1620	1.752



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

Inj. Date: 2/10/2016 11:25:55 AM

Sample Name: 16004 #2

Instrument: HSGC#3

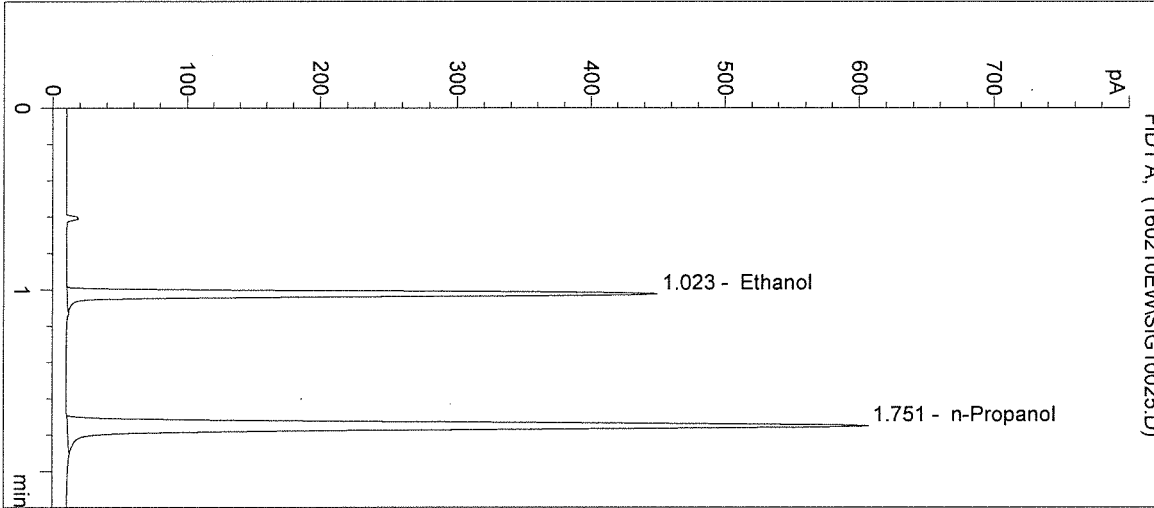
Operator: Elizabeth Wehner

Column: DB-ALC2

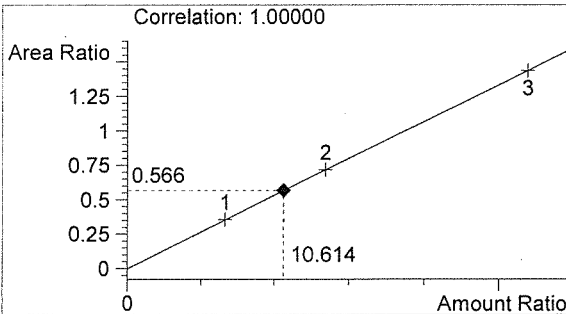
Location: Vial 25

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

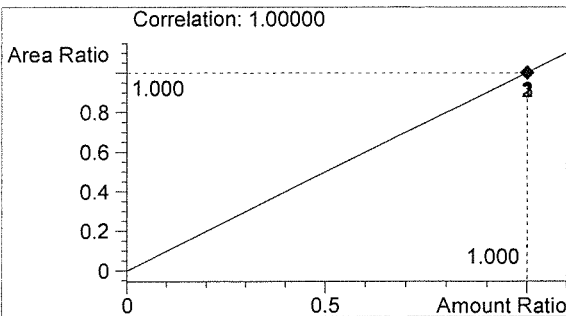
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	913	1.023
2	n-Propanol	1613	1.751



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

Inj. Date: 2/10/2016 11:29:08 AM

Sample Name: 16004 #3

Instrument: HSGC#3

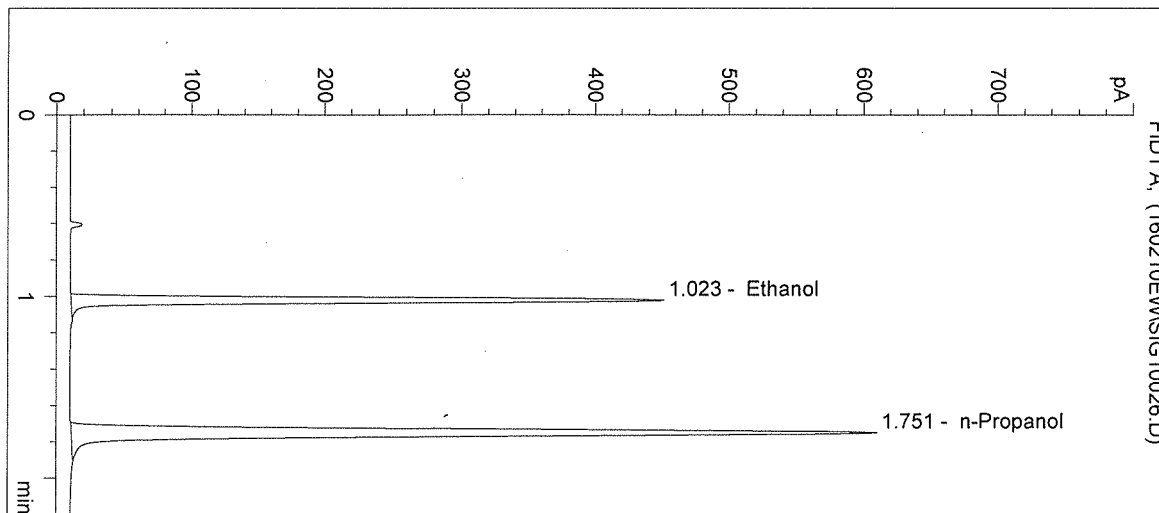
Operator: Elizabeth Wehner

Column: DB-ALC2

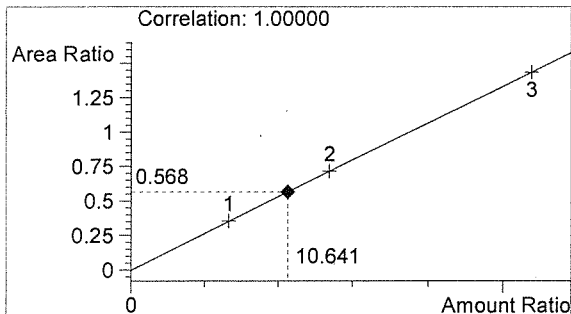
Location: Vial 26

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

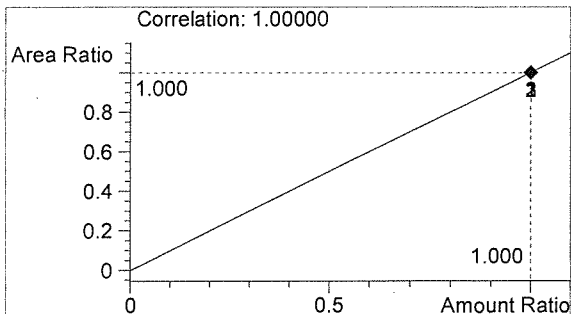
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	922	1.023
2	n-Propanol	1623	1.751



Ethanol 0.128 g/100mL



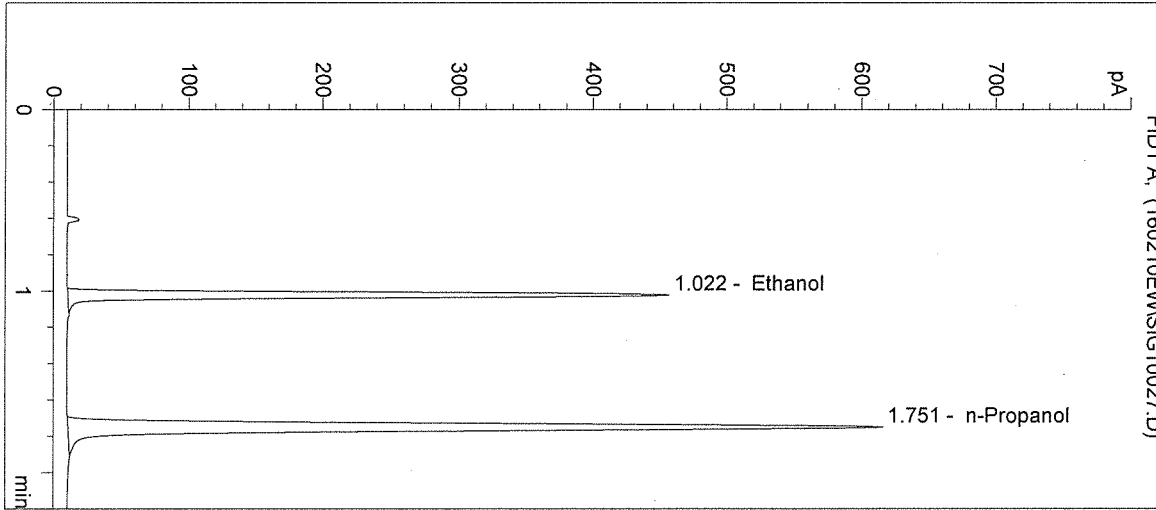
n-Propanol 0.012 g/100mL

*Handwritten signature*

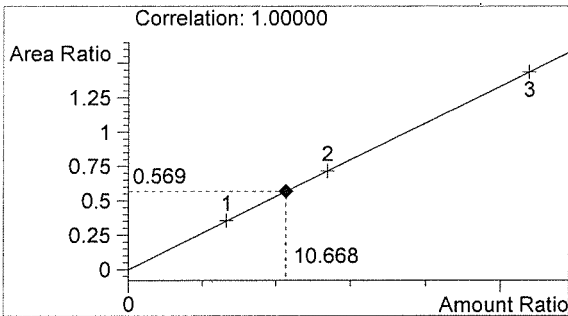
*EW*

Inj. Date: 2/10/2016 11:32:21 AM      Sample Name: 16004 #4  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 27  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

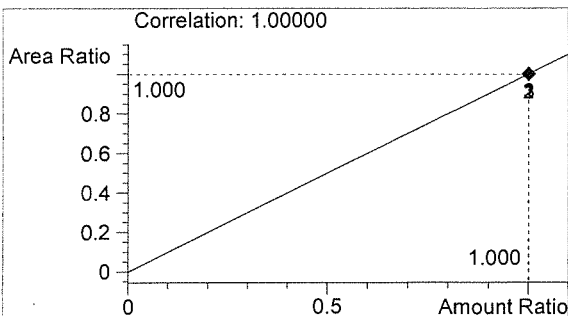
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	936	1.022
2	n-Propanol	1645	1.751



Ethanol      0.128 g/100mL

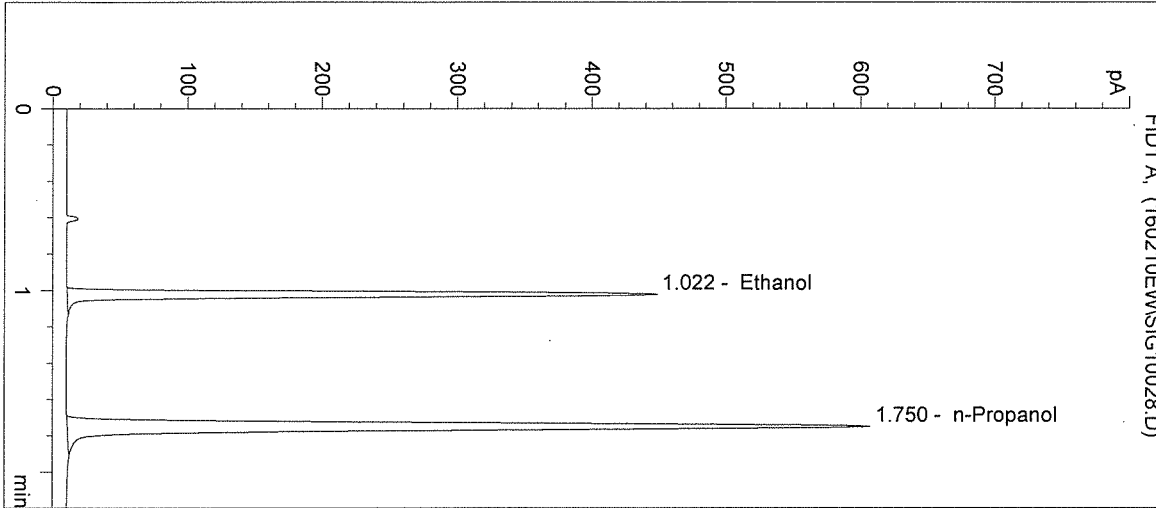


n-Propanol      0.012 g/100mL

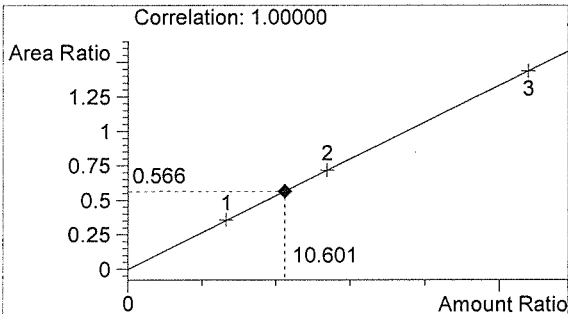
*EW*

*EW*

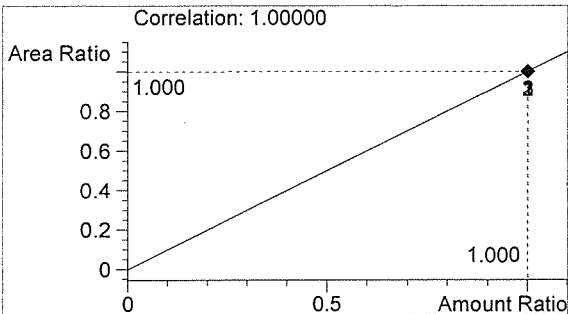
Inj. Date: 2/10/2016 11:35:35 AM      Sample Name: 16004 #5  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 28  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	919	1.022
2	n-Propanol	1624	1.750



Ethanol      0.127 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten mark*

*EW*

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

Inj. Date: 2/10/2016 11:38:48 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

Operator: Elizabeth Wehner

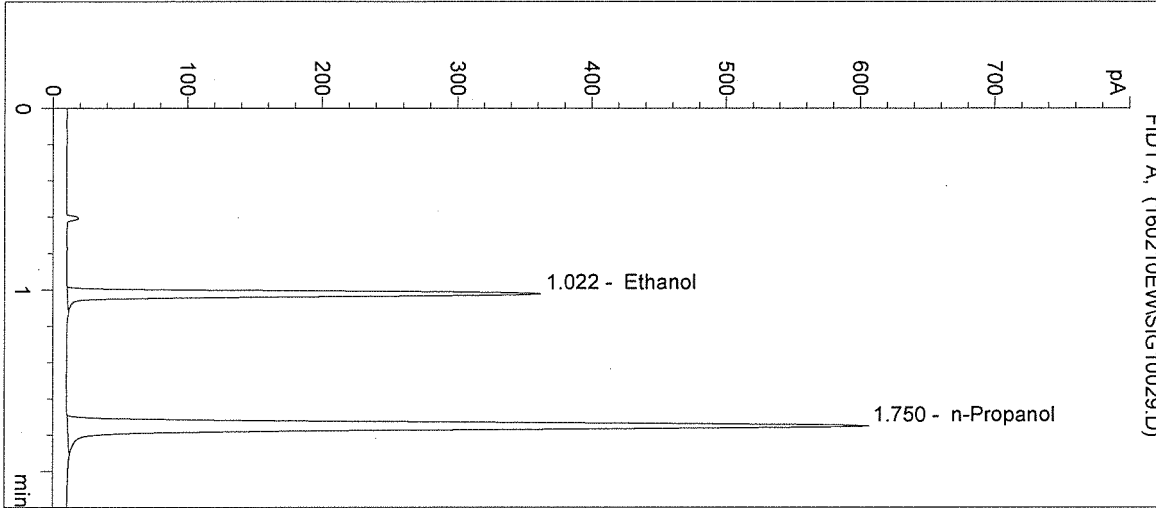
Column: DB-ALC2

Location: Vial 29

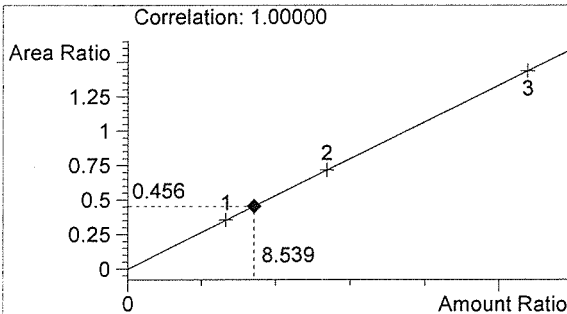
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: POS CTRL: 0.10 g/100mL  
 16004

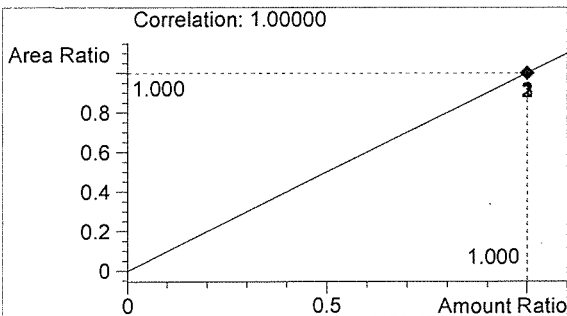
- >



#	Compound	Peak Area	RT (min)
1	Ethanol	737	1.022
2	n-Propanol	1618	1.750



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*



Inj. Date: 2/10/2016 11:42:01 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

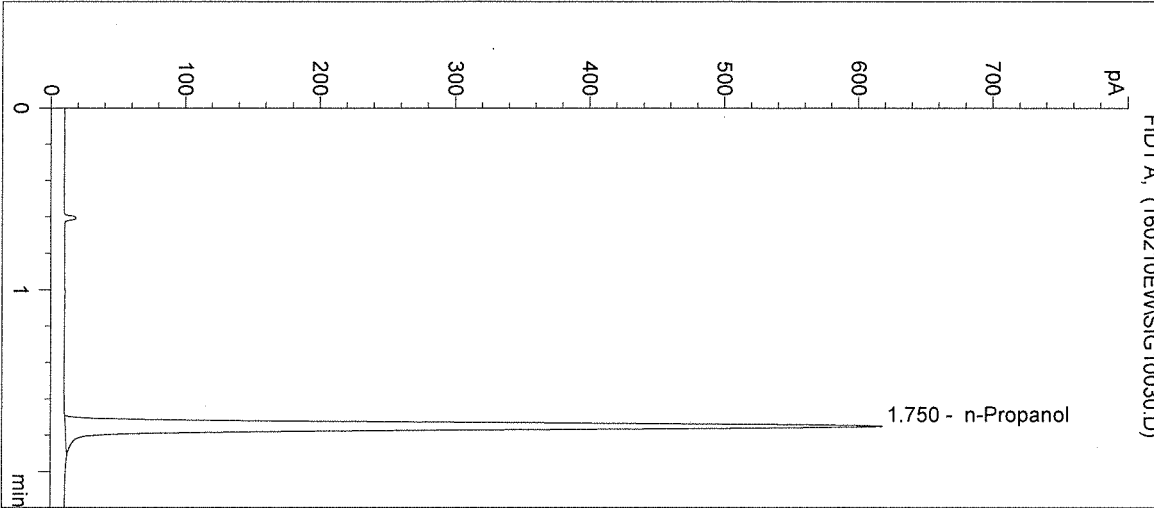
Operator: Elizabeth Wehner

Column: DB-ALC2

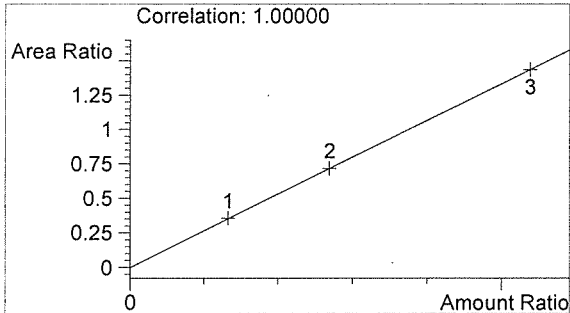
Location: Vial 30

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

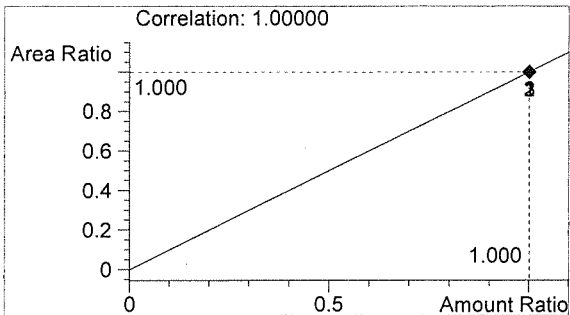
Sample Info: 16004



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1647	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fn*

*EW*

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\2\DATA\  
 Data Subdirectory: 160211JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 04/29/2016  
 Ethanol Calibrator 2, E1015-02 - Exp. 04/29/2016  
 Ethanol Calibrator 3, E1015-03 - Exp. 04/29/2016  
 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#P0216 - Exp. 05/02/2016  
  
 Calibration vials 1-9 filed with 16002.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16002-1	SIMALC3	1	Sample		
11	Vial 11	16002-2	SIMALC3	1	Sample		
12	Vial 12	16002-3	SIMALC3	1	Sample		
13	Vial 13	16002-4	SIMALC3	1	Sample		
14	Vial 14	16002-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003-1	SIMALC3	1	Sample		
18	Vial 18	16003-2	SIMALC3	1	Sample		
19	Vial 19	16003-3	SIMALC3	1	Sample		
20	Vial 20	16003-4	SIMALC3	1	Sample		
21	Vial 21	16003-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004-1	SIMALC3	1	Sample		
25	Vial 25	16004-2	SIMALC3	1	Sample		

16002 4  
 Jn 3/17/16

JY

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	16004-3	SIMALC3	1	Sample		
27	Vial 27	16004-4	SIMALC3	1	Sample		
28	Vial 28	16004-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005-1	SIMALC3	1	Sample		
32	Vial 32	16005-2	SIMALC3	1	Sample		
33	Vial 33	16005-3	SIMALC3	1	Sample		
34	Vial 34	16005-4	SIMALC3	1	Sample		
35	Vial 35	16005-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16008  
4/23/16  
JK

JK

Inj. Date: 2/11/2016 5:21:14 PM

Sample Name: 16004-1

Instrument: HSGC#3

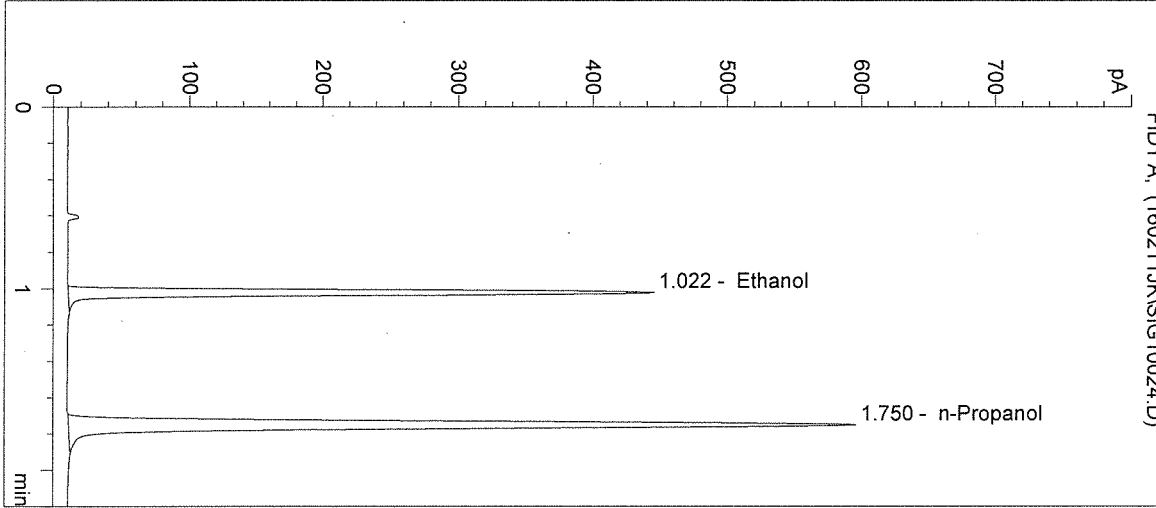
Operator: Justin Knoy

Column: DB-ALC2

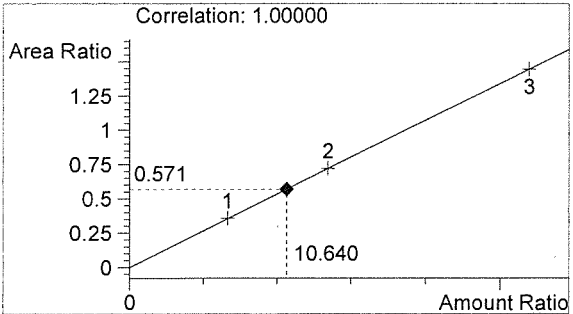
Location: Vial 24

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

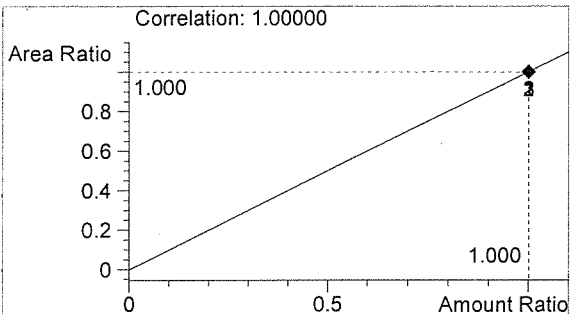
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	907	1.022
2	n-Propanol	1590	1.750



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Inj. Date: 2/11/2016 5:24:27 PM

Sample Name: 16004-2

Instrument: HSGC#3

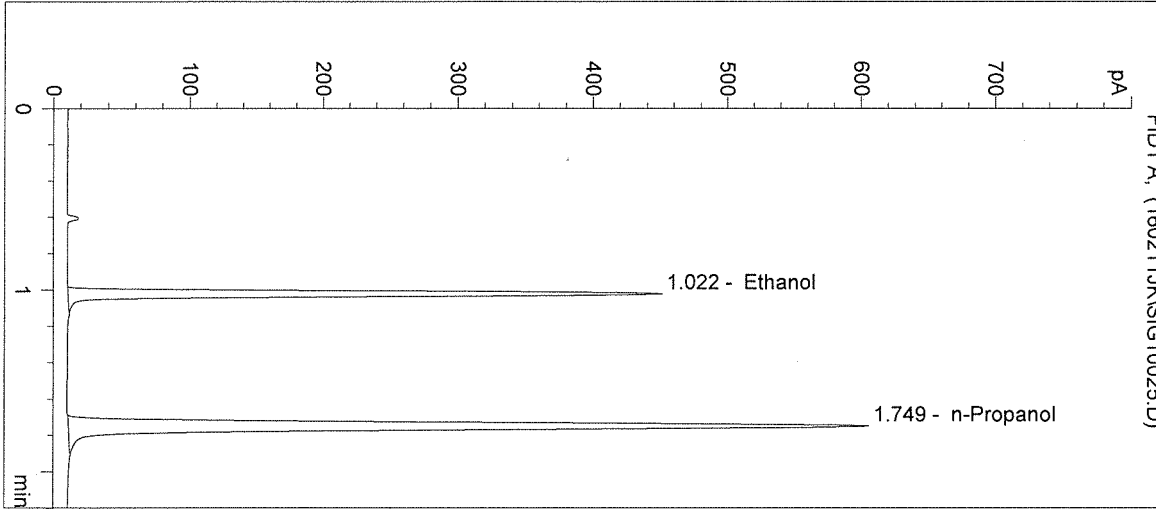
Operator: Justin Knoy

Column: DB-ALC2

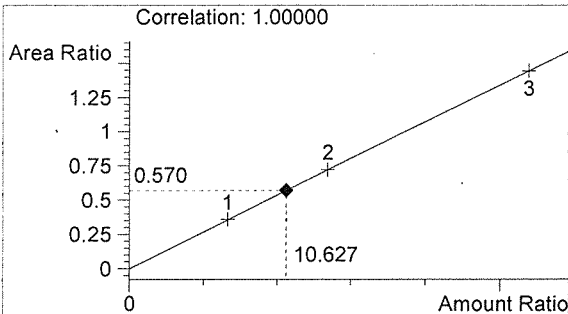
Location: Vial 25

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

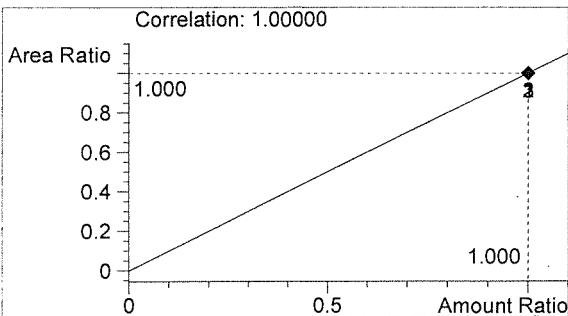
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	920	1.022
2	n-Propanol	1614	1.749



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/11/2016 5:27:40 PM

Sample Name: 16004-3

Instrument: HSGC#3

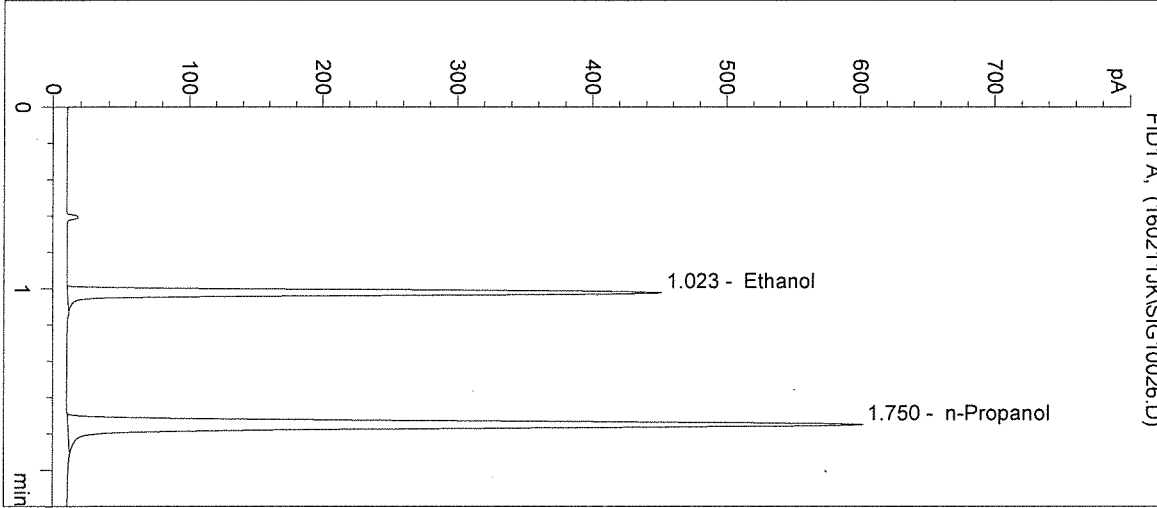
Operator: Justin Knoy

Column: DB-ALC2

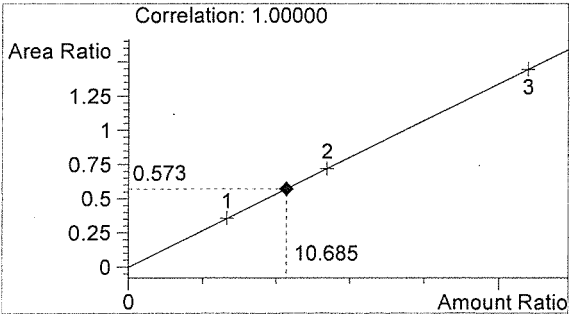
Location: Vial 26

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

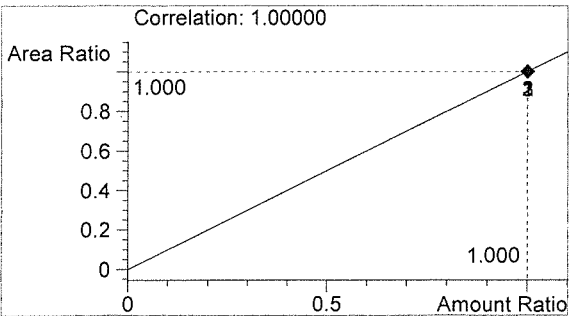
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	920	1.023
2	n-Propanol	1606	1.750



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*JR*

Inj. Date: 2/11/2016 5:30:54 PM

Sample Name: 16004-4

Instrument: HSGC#3

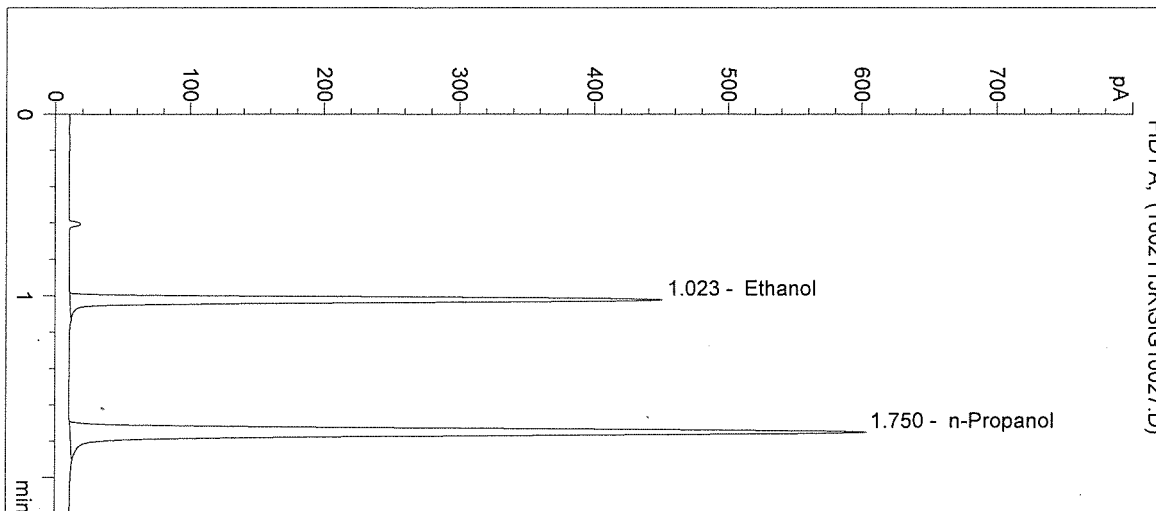
Operator: Justin Knoy

Column: DB-ALC2

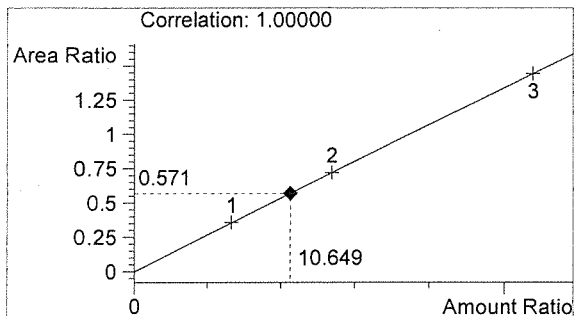
Location: Vial 27

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

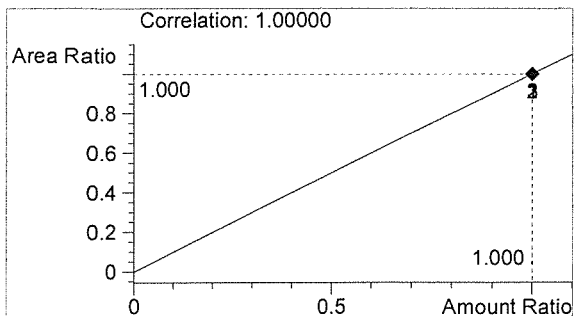
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	918	1.023
2	n-Propanol	1608	1.750



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*JJC*

*JJC*

Inj. Date: 2/11/2016 5:34:07 PM

Sample Name: 16004-5

Instrument: HSGC#3

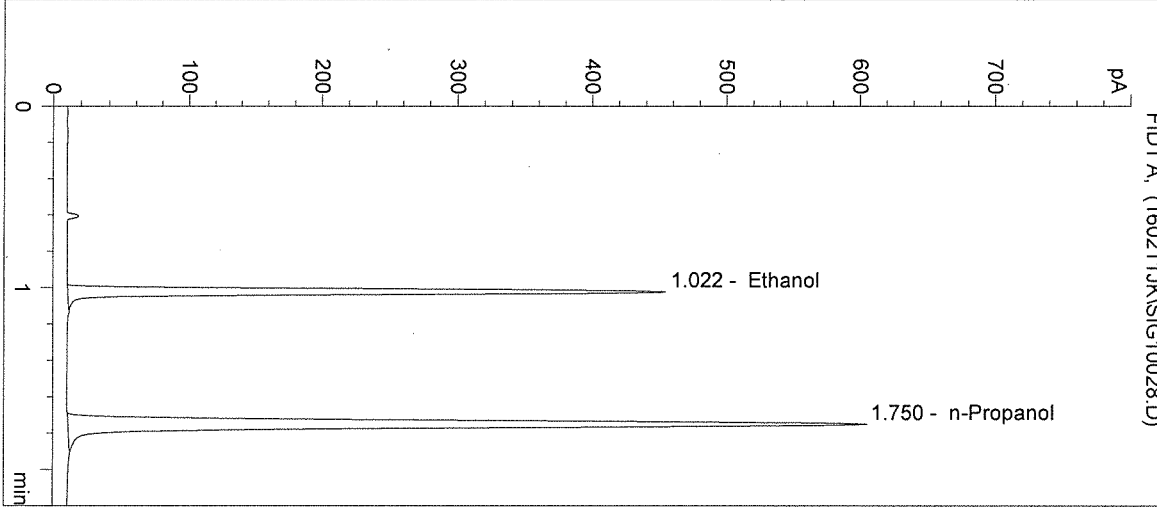
Operator: Justin Knoy

Column: DB-ALC2

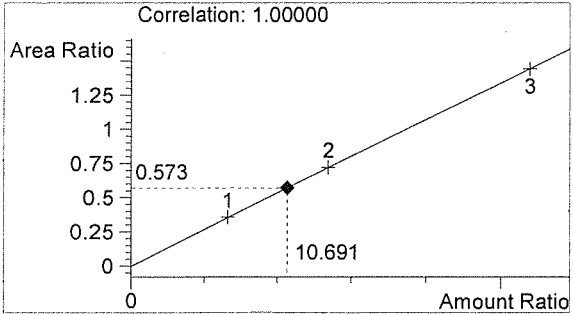
Location: Vial 28

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

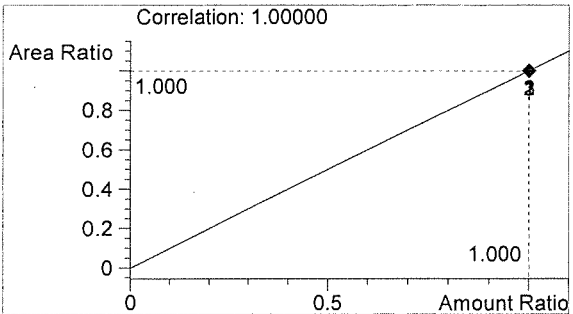
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	926	1.022
2	n-Propanol	1614	1.750



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten initials*



Inj. Date: 2/11/2016 5:37:20 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

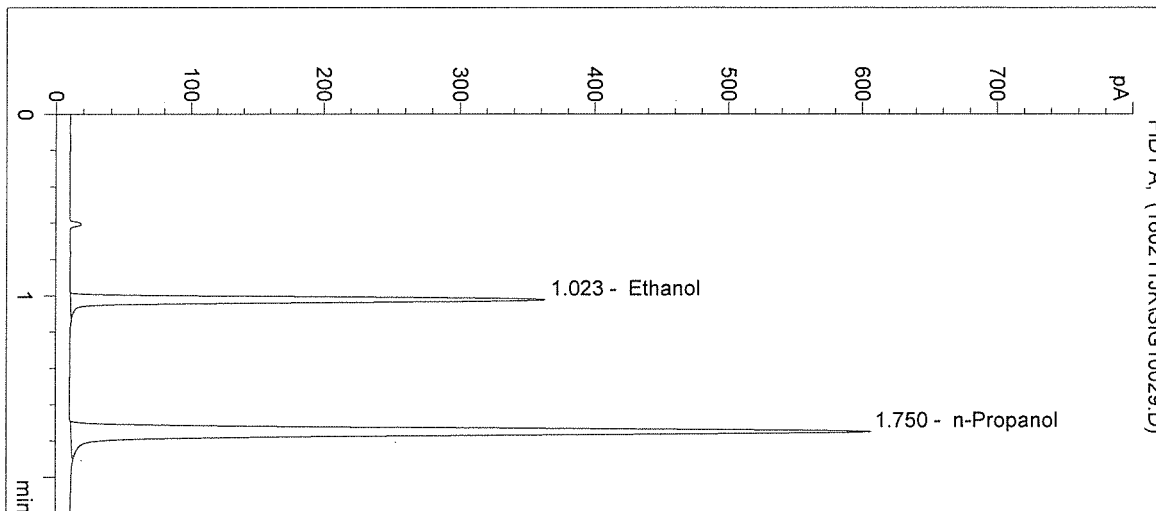
Operator: Justin Knoy

Column: DB-ALC2

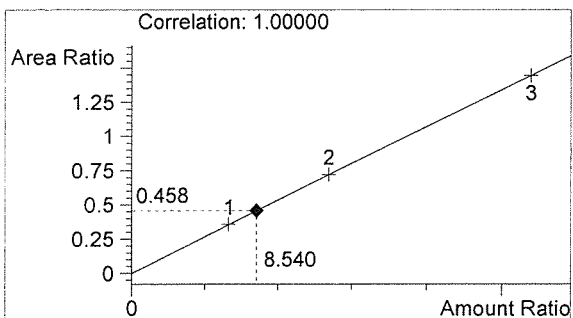
Location: Vial 29

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

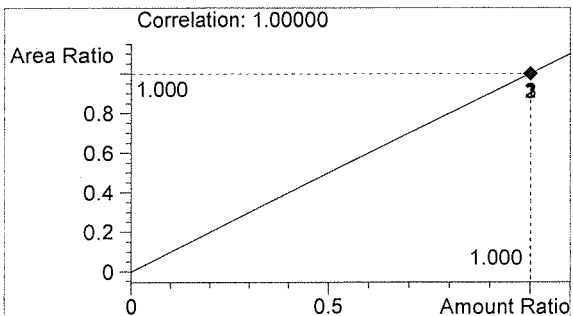
Sample Info: 0.10g/100mL ; 16004



#	Compound	Peak Area	RT (min)
1	Ethanol	740	1.023
2	n-Propanol	1615	1.750



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/11/2016 5:40:34 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

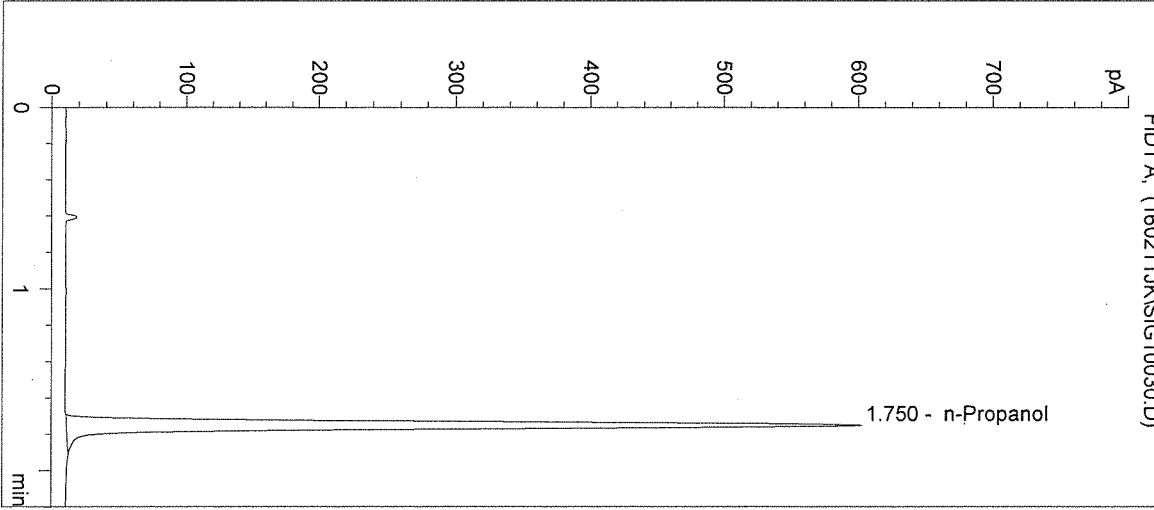
Operator: Justin Knoy

Column: DB-ALC2

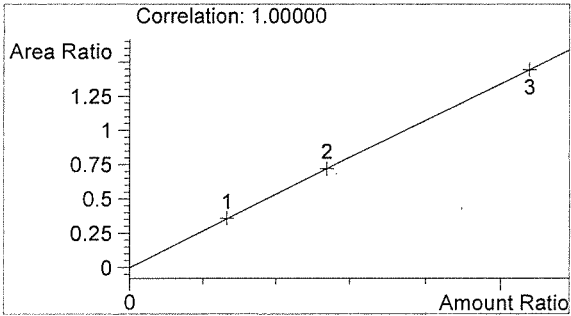
Location: Vial 30

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

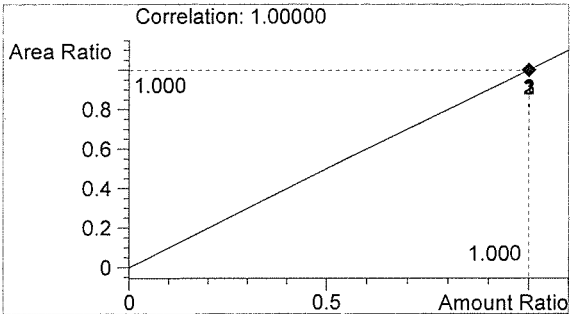
Sample Info: 16004



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1606	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Sequence Parameters:

*Sequence run by:*

Operator: Andrew Gingras  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 160212AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 04/29/2016  
 Ethanol Calibrator 2, E1015-02 - Exp. 04/29/2016  
 Ethanol Calibrator 3, E1015-03 - Exp. 04/29/2016  
 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#P0216 - Exp. 05/02/2016  
  
 Calibration vials 1-9 filed with 16002.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16002-1	SIMALC3	1	Sample		
11	Vial 11	16002-2	SIMALC3	1	Sample		
12	Vial 12	16002-3	SIMALC3	1	Sample		
13	Vial 13	16002-4	SIMALC3	1	Sample		
14	Vial 14	16002-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003-1	SIMALC3	1	Sample		
18	Vial 18	16003-2	SIMALC3	1	Sample		
19	Vial 19	16003-3	SIMALC3	1	Sample		
20	Vial 20	16003-4	SIMALC3	1	Sample		
21	Vial 21	16003-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004-1	SIMALC3	1	Sample		
25	Vial 25	16004-2	SIMALC3	1	Sample		

*16004 8/23/16*

*8/23/16*

*AG*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	16004-3	SIMALC3	1	Sample		
27	Vial 27	16004-4	SIMALC3	1	Sample		
28	Vial 28	16004-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005-1	SIMALC3	1	Sample		
32	Vial 32	16005-2	SIMALC3	1	Sample		
33	Vial 33	16005-3	SIMALC3	1	Sample		
34	Vial 34	16005-4	SIMALC3	1	Sample		
35	Vial 35	16005-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

1600<sup>4</sup>/<sub>8</sub> In317116

In317116

Inj. Date: 2/12/2016 9:30:59 AM

Sample Name: 16004-1

Instrument: HSGC#3

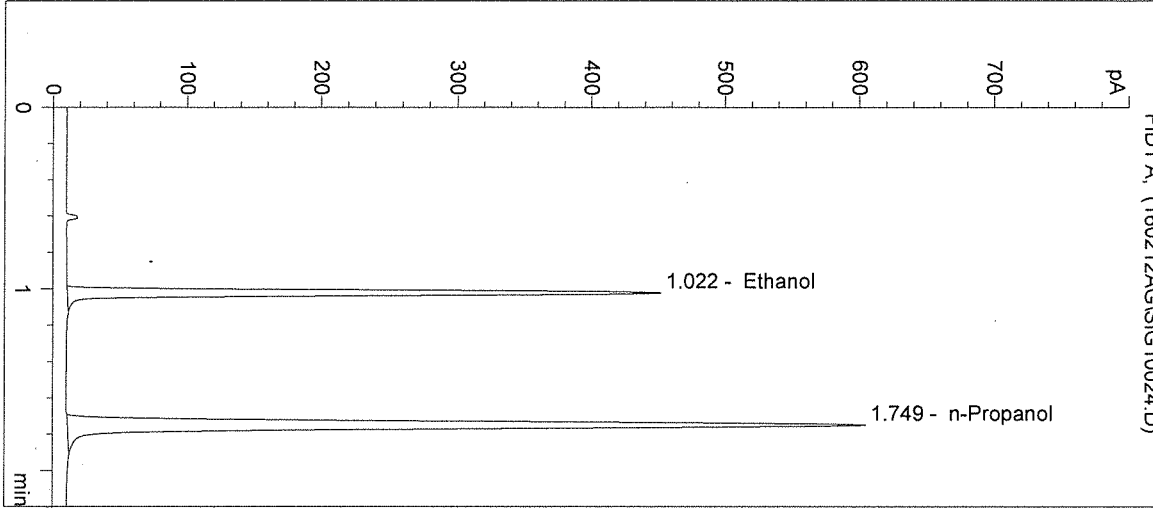
Operator: Andrew Gingras

Column: DB-ALC2

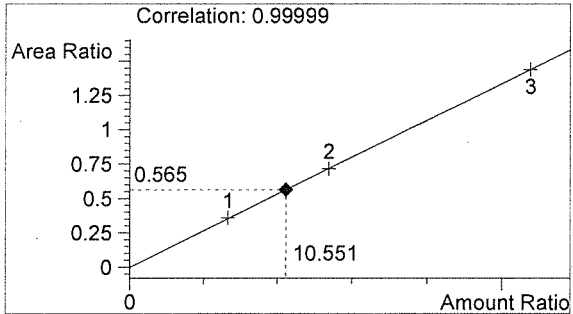
Location: Vial 24

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

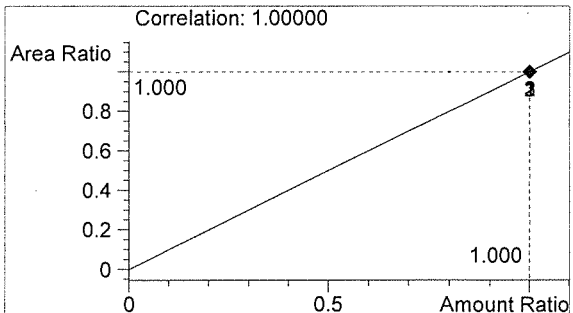
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	910	1.022
2	n-Propanol	1611	1.749



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten signature*

Inj. Date: 2/12/2016 9:34:12 AM

Sample Name: 16004-2

Instrument: HSGC#3

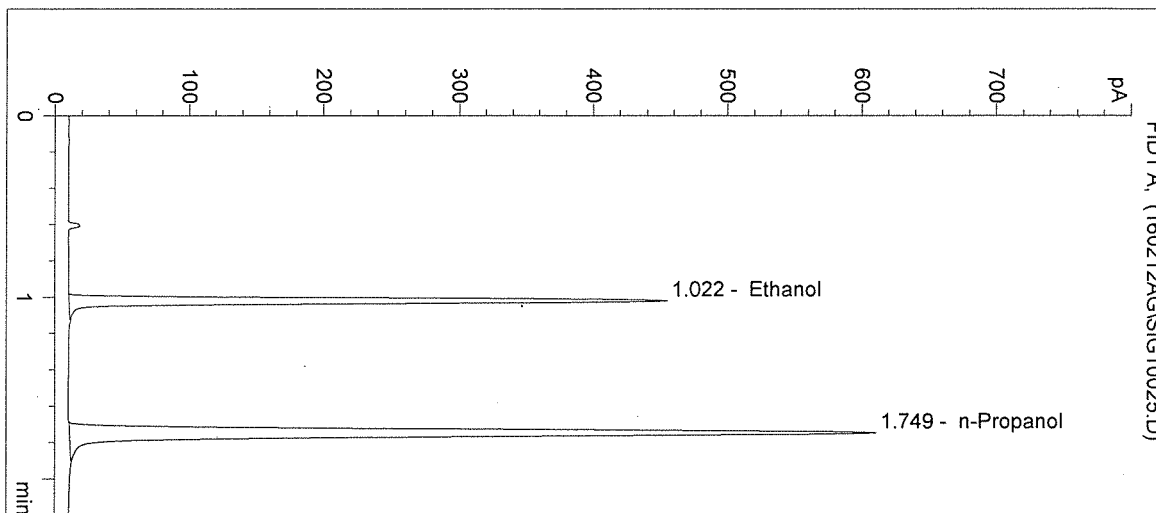
Operator: Andrew Gingras

Column: DB-ALC2

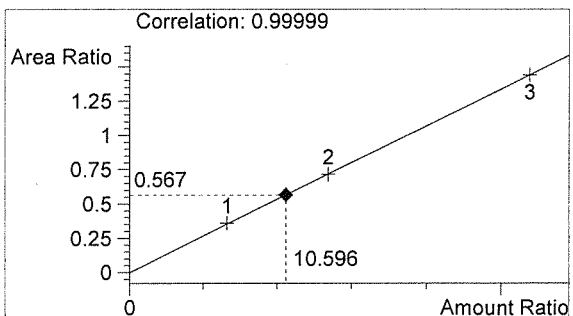
Location: Vial 25

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

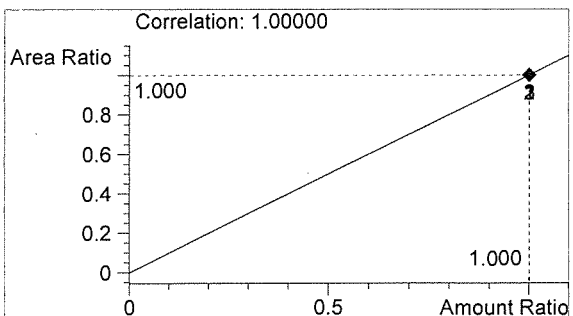
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	924	1.022
2	n-Propanol	1629	1.749



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/12/2016 9:37:26 AM

Sample Name: 16004-3

Instrument: HSGC#3

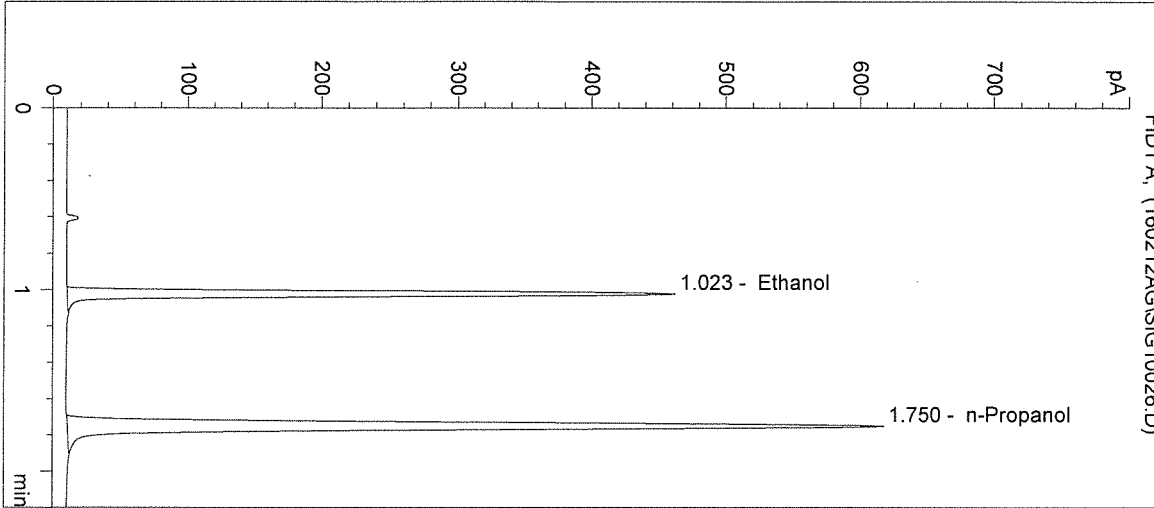
Operator: Andrew Gingras

Column: DB-ALC2

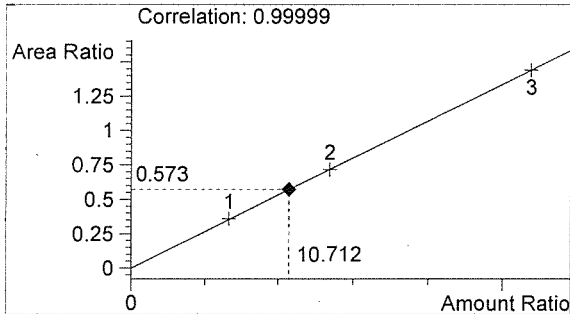
Location: Vial 26

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

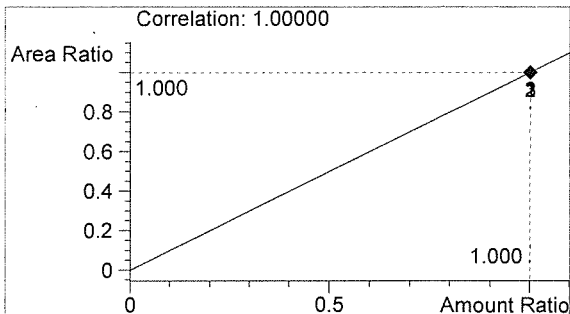
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	946	1.023
2	n-Propanol	1651	1.750



Ethanol 0.129 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten signature*

Inj. Date: 2/12/2016 9:40:39 AM

Sample Name: 16004-4

Instrument: HSGC#3

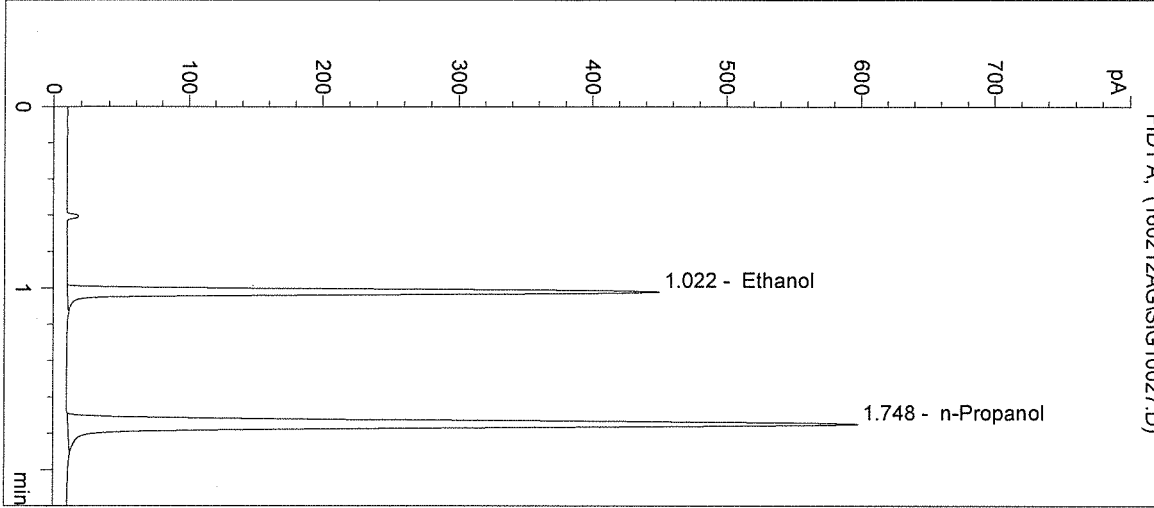
Operator: Andrew Gingras

Column: DB-ALC2

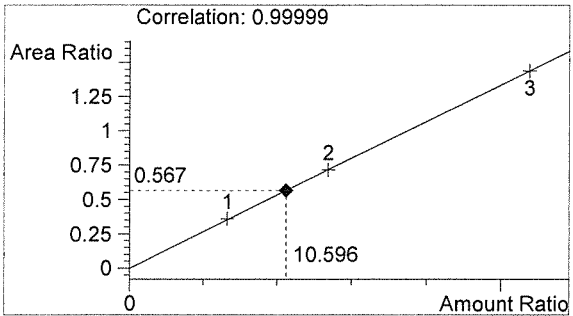
Location: Vial 27

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

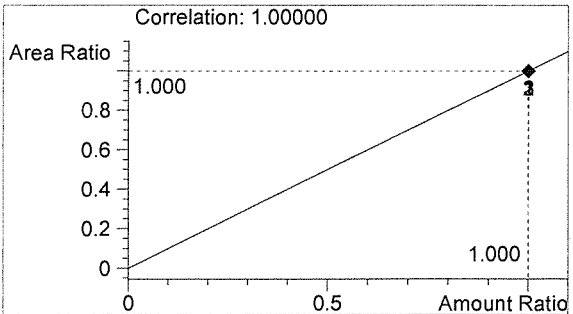
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	905	1.022
2	n-Propanol	1596	1.748



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/12/2016 9:43:53 AM

Sample Name: 16004-5

Instrument: HSGC#3

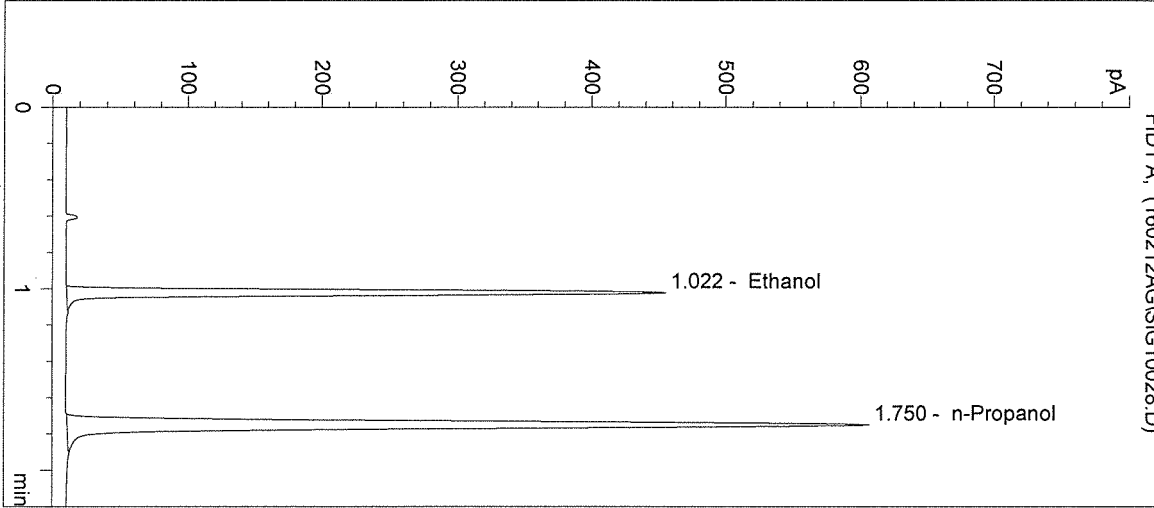
Operator: Andrew Gingras

Column: DB-ALC2

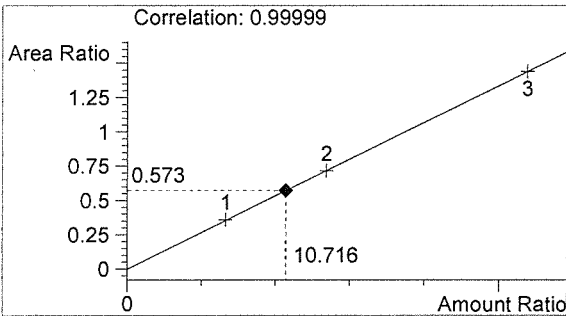
Location: Vial 28

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

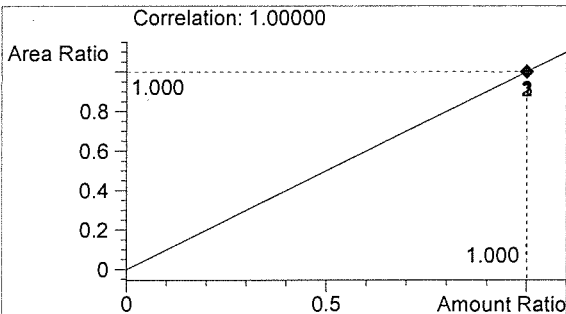
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	928	1.022
2	n-Propanol	1619	1.750



Ethanol 0.129 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 2/12/2016 9:47:05 AM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

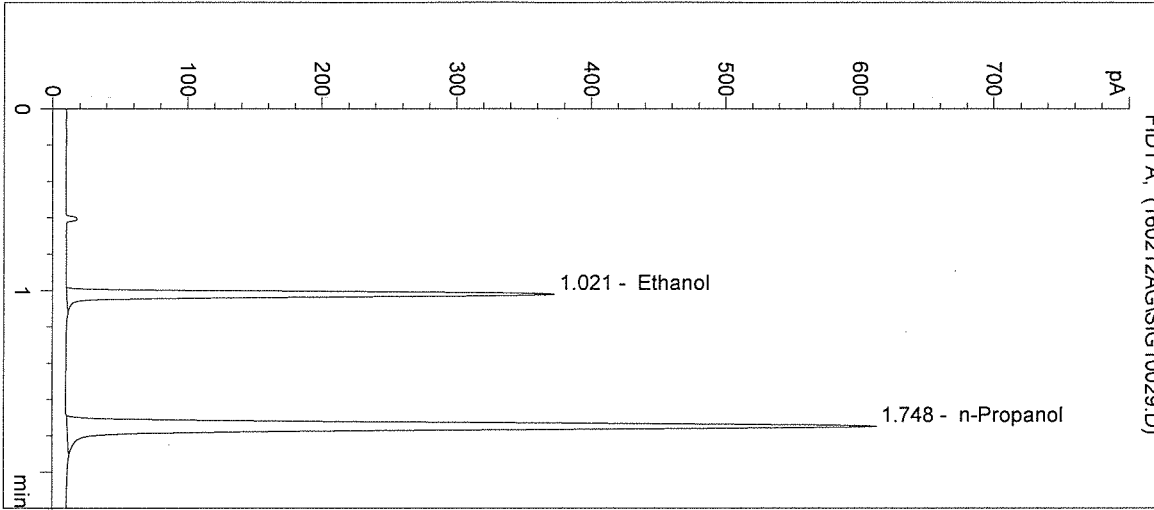
Operator: Andrew Gingras

Column: DB-ALC2

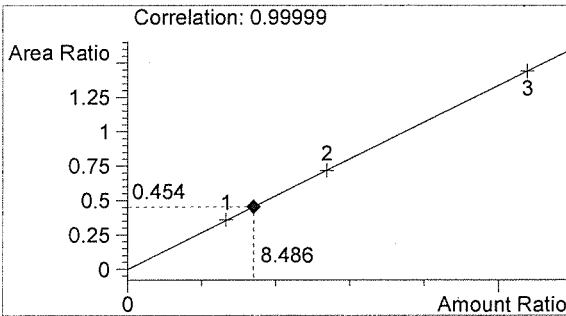
Location: Vial 29

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

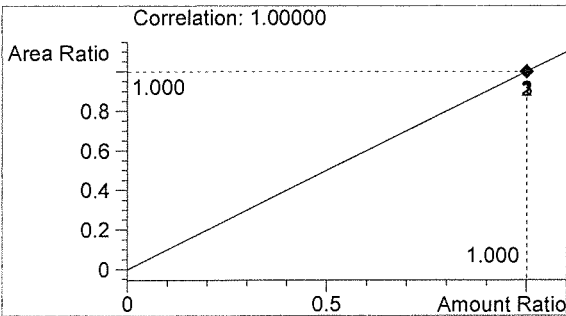
Sample Info: 0.10g/100mL ; 16004



#	Compound	Peak Area	RT (min)
1	Ethanol	741	1.021
2	n-Propanol	1632	1.748



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/12/2016 9:50:19 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

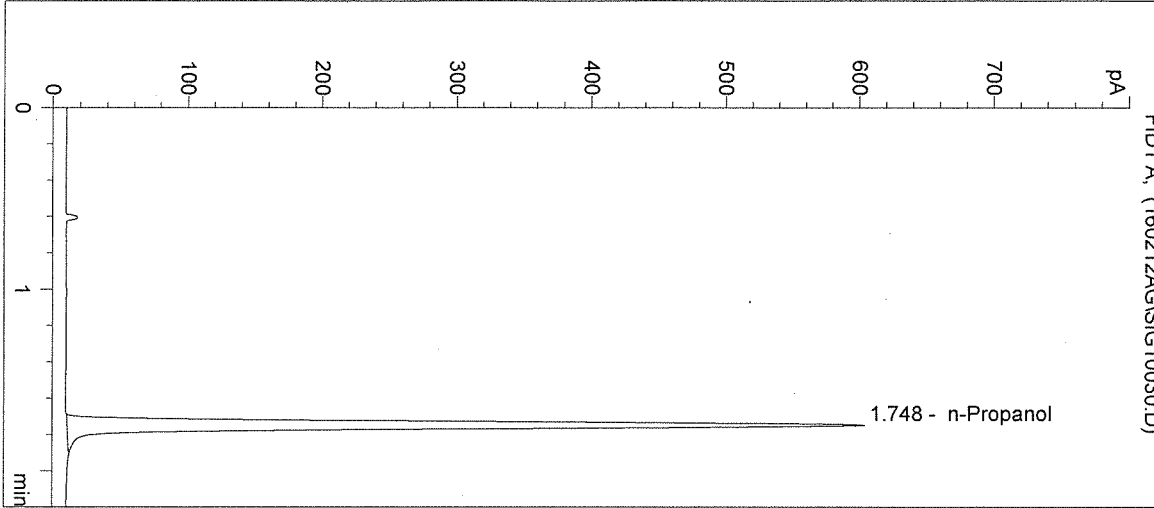
Operator: Andrew Gingras

Column: DB-ALC2

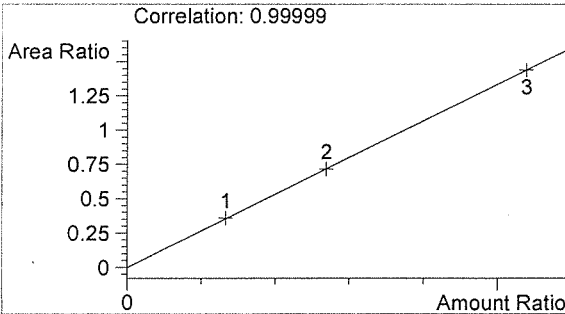
Location: Vial 30

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

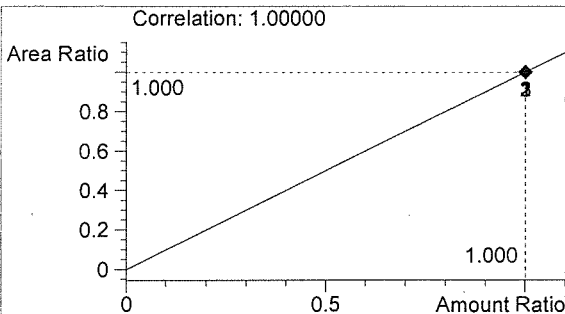
Sample Info: 16004



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1610	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten initials*

*Handwritten signature*