



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 15036

**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: 09/10/2015  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Naziha Nuwayhid

	NN	RF	AC
1	0.125	0.126	0.125
2	0.125	0.126	0.124
3	0.125	0.125	0.124
4	0.125	0.126	0.124
5	0.127	0.125	0.129
C	0.103	0.101	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1254 g/100mL PRECISION CV (%): 1.04  
STANDARD DEVIATION: 0.00130 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1020 g/210L  
EXPANDED UNCERTAINTY: ± 0.0024 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

9/25/15  
\_\_\_\_\_  
DATE REPORT ISSUED

ANALYST	NAME	THIS TESTING WAS PERFORMED BY:		DATE TESTED
		SIGNATURE		
NN	Naziha Nuwayhid	<i>Naziha Nuwayhid</i>		09/10/2015
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>		09/11/2015
AC	Amanda Chandler	<i>Amanda Chandler</i>		09/17/2015

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 #: 15036

Date Prepared: 9/10/2015

Analyst:	NN	RF	AC
Date Tested:	9/10/2015	9/11/2015	9/17/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.125	0.126	0.125
2	0.125	0.126	0.124
3	0.125	0.125	0.124
4	0.125	0.126	0.124
5	0.127	0.125	0.129
C	0.103	0.101	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000071466	0.0000320390	0.0001016326

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

Average Solution Concentration: 0.1254 g/100mL  
Standard Deviation: 0.00130 g/100mL  
Precision CV (%): 1.04  
Equivalent Vapor Concentration: 0.1020 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0012 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0024 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 9/21/15  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 9-24-15 Method: Hand calculation  
Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 9/21/15  
Name Signature Date

[Signature]

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black

Date: 9-24-15

Location: WSP-FLSB Seattle, WA

Solution Batch Number: 15036

	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: 9-24-15

REC:





## 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	AZ	9/21/15
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid	NV	9.22.15
Rebecca Flaherty	RF	9/21/15

Batch # 15036 for 9/21/15

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 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 15036**

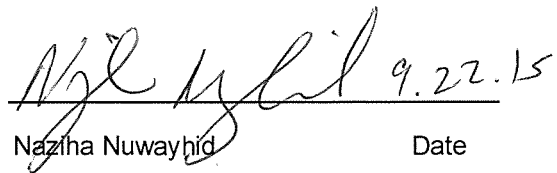
I, Naziha Nuwayhid, do certify under penalty of perjury that:

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: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 15036, was prepared in the Washington State Toxicology Laboratory on 9/10/2015. 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 9/10/2016.

Seattle, WA

  
Naziha Nuwayhid  
Forensic Scientist

9.22.15  
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 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 15036**


I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 15036, was prepared in the Washington State Toxicology Laboratory on 9/10/2015. 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 9/10/2016.

Seattle, WA

 9/21/15

Rebecca Flaherty  
Forensic Scientist

Date

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 15036**

I, Amanda Chandler, 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: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 15036, was prepared in the Washington State Toxicology Laboratory on 9/10/2015. 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 9/10/2016.

Seattle, WA

 9/21/15

Amanda Chandler  
Forensic Scientist

Date



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

Preparation Date: 9.10.15 Expiration Date: 9.10.16 Initials of Preparer: NN

Lot # of 200-proof Ethanol used in preparation: 2DC0208

Date the 200-proof Ethanol bottle was opened: 6.16.15 & 9.10.15

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>15 0 34</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>15 0 35</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>15 0 36</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>15 0 37</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>15 0 38</u>
ESS	66.5	52	<input checked="" type="checkbox"/>	

NO ESS prepared  
9.27.15 (NN)

Stir bar is rotating



Stirred for minimum 30 minutes; 2 hours for ESS



Spigot purged



Aliquot taken



Batch labeled, packaged and sealed



9.10.15

Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

QAP 0.04, 0.08, & 0.10 were prepared from bottle opened on 6.16.15  
QAP 0.15, & 0.20 were prepared from ethanol bottle opened 9.10.15

Analyst Signature

*[Handwritten Signature]*

9.10.15  
Date

NN, 9.10.15

*[Handwritten mark]*



Sequence Parameters:

Operator: Naziha Nuwayhid, PhD  
 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: 150910NN  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0615-01 - Exp. 12/2/2015  
 Ethanol Calibrator 2, E0615-02 - Exp. 12/2/2015  
 Ethanol Calibrator 3, E0615-03 - Exp. 12/2/2015  
 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#P0715 - Exp. 10/27/15

Calibration vials 1-9 filed with 15034.

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	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15034 #1	SIMALC3	1	Sample		
11	Vial 11	15034 #2	SIMALC3	1	Sample		
12	Vial 12	15034 #3	SIMALC3	1	Sample		
13	Vial 13	15034 #4	SIMALC3	1	Sample		
14	Vial 14	15034 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15035 #1	SIMALC3	1	Sample		
18	Vial 18	15035 #2	SIMALC3	1	Sample		
19	Vial 19	15035 #3	SIMALC3	1	Sample		
20	Vial 20	15035 #4	SIMALC3	1	Sample		
21	Vial 21	15035 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15036 #1	SIMALC3	1	Sample		
25	Vial 25	15036 #2	SIMALC3	1	Sample		
26	Vial 26	15036 #3	SIMALC3	1	Sample		

15036  
*for 15*

*NN*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	15036 #4	SIMALC3	1	Sample		
28	Vial 28	15036 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15037 #1	SIMALC3	1	Sample		
32	Vial 32	15037 #2	SIMALC3	1	Sample		
33	Vial 33	15037 #3	SIMALC3	1	Sample		
34	Vial 34	15037 #4	SIMALC3	1	Sample		
35	Vial 35	15037 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15038 #1	SIMALC3	1	Sample		
39	Vial 39	15038 #2	SIMALC3	1	Sample		
40	Vial 40	15038 #3	SIMALC3	1	Sample		
41	Vial 41	15038 #4	SIMALC3	1	Sample		
42	Vial 42	15038 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15036  
*Final*

*NA*

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

Inj. Date: 9/10/2015 1:04:57 PM

Sample Name: 15036 #1

Instrument: HSGC#3

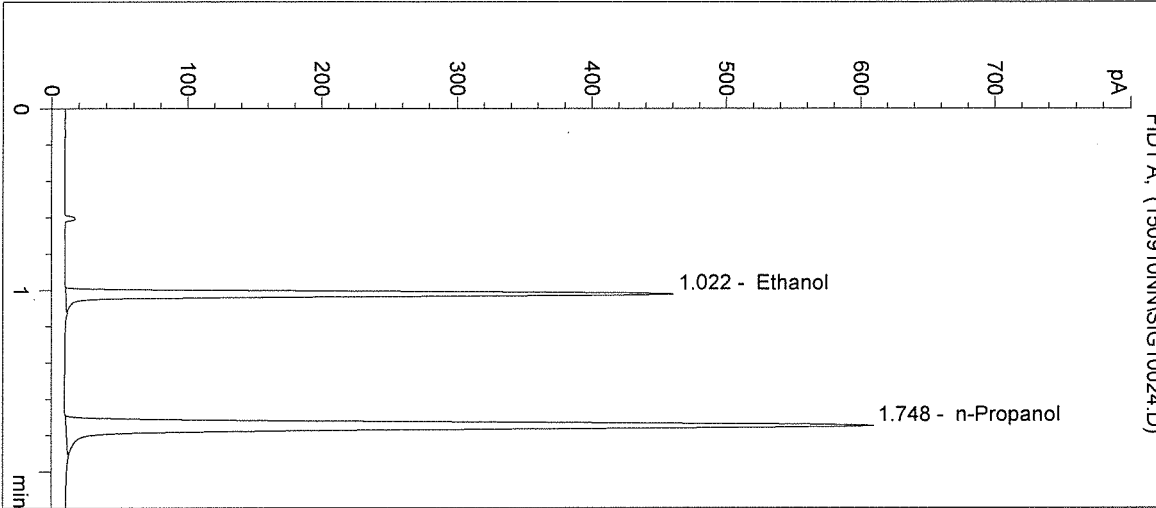
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

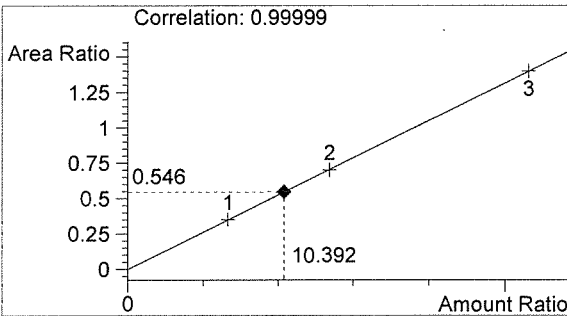
Location: Vial 24

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

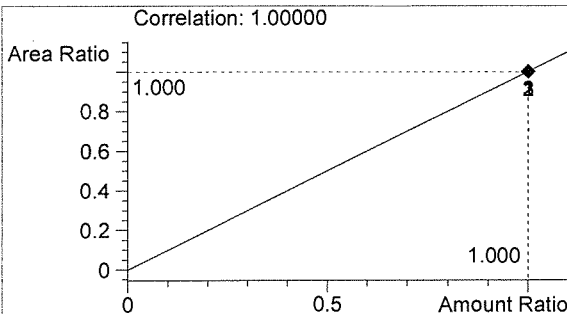
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	868	1.022
2	n-Propanol	1589	1.748



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*Handwritten signature*

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

Inj. Date: 9/10/2015 1:08:11 PM

Sample Name: 15036 #2

Instrument: HSGC#3

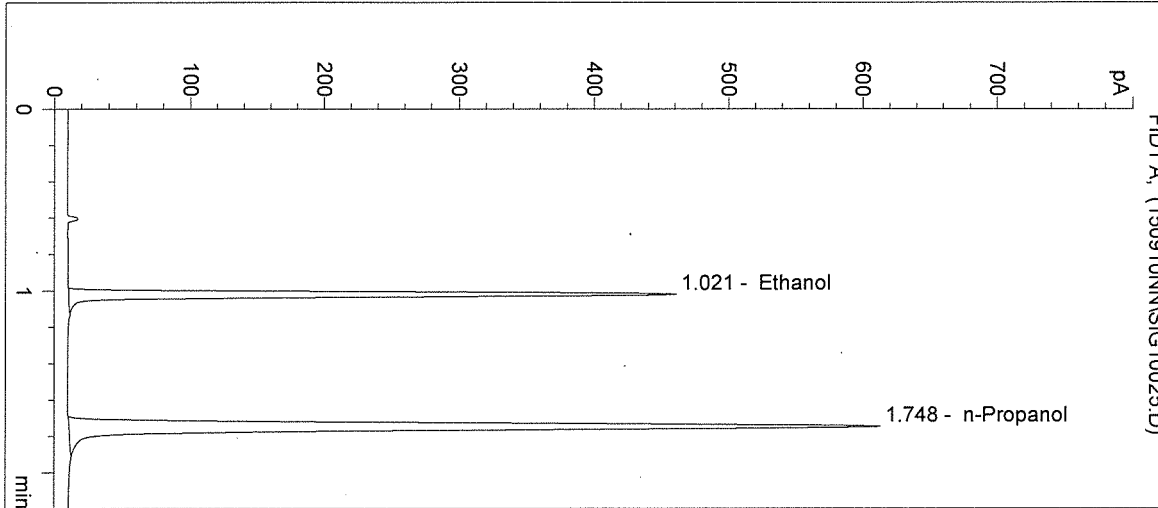
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

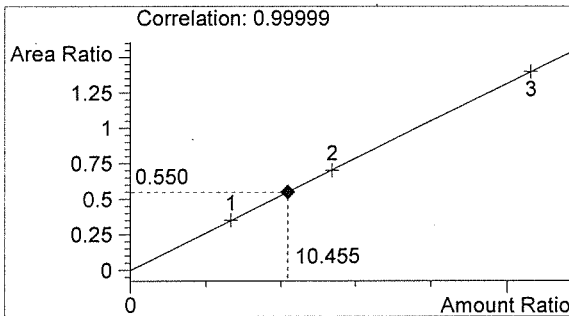
Location: Vial 25

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

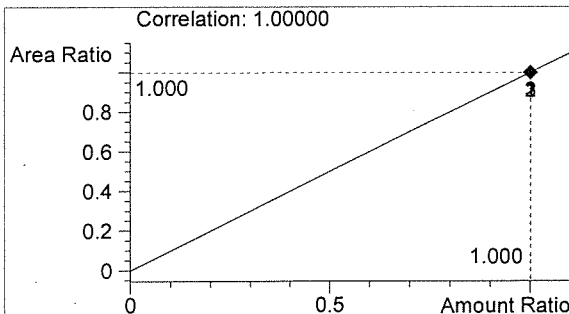
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	877	1.021
2	n-Propanol	1596	1.748



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

MN

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

Inj. Date: 9/10/2015 1:11:24 PM

Sample Name: 15036 #3

Instrument: HSGC#3

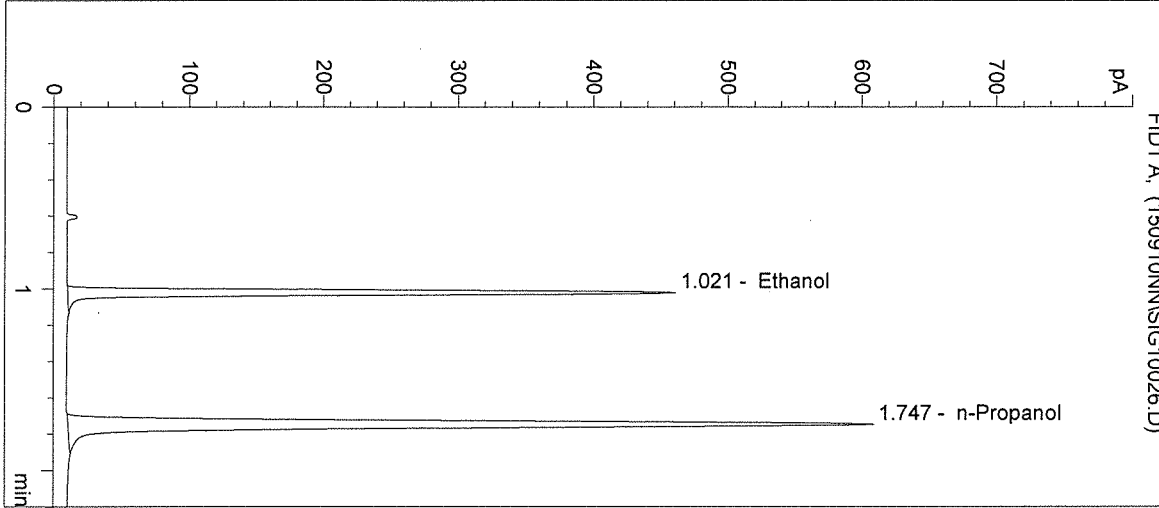
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

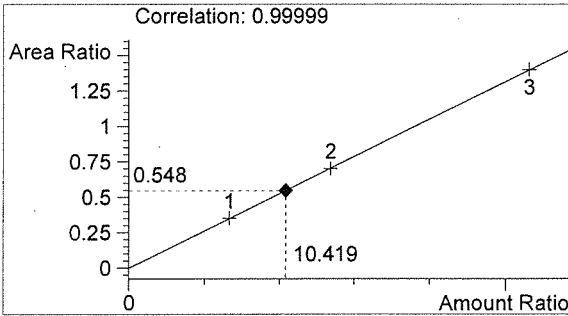
Location: Vial 26

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

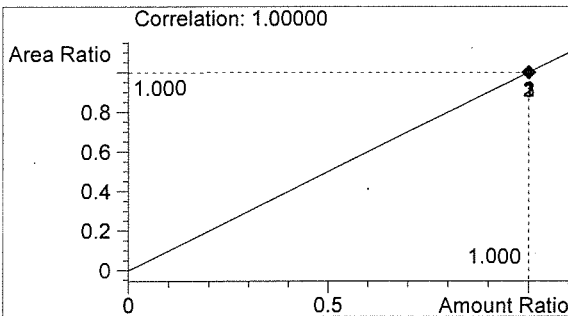
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	867	1.021
2	n-Propanol	1583	1.747



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*Handwritten signature*

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

Inj. Date: 9/10/2015 1:14:38 PM

Sample Name: 15036 #4

Instrument: HSGC#3

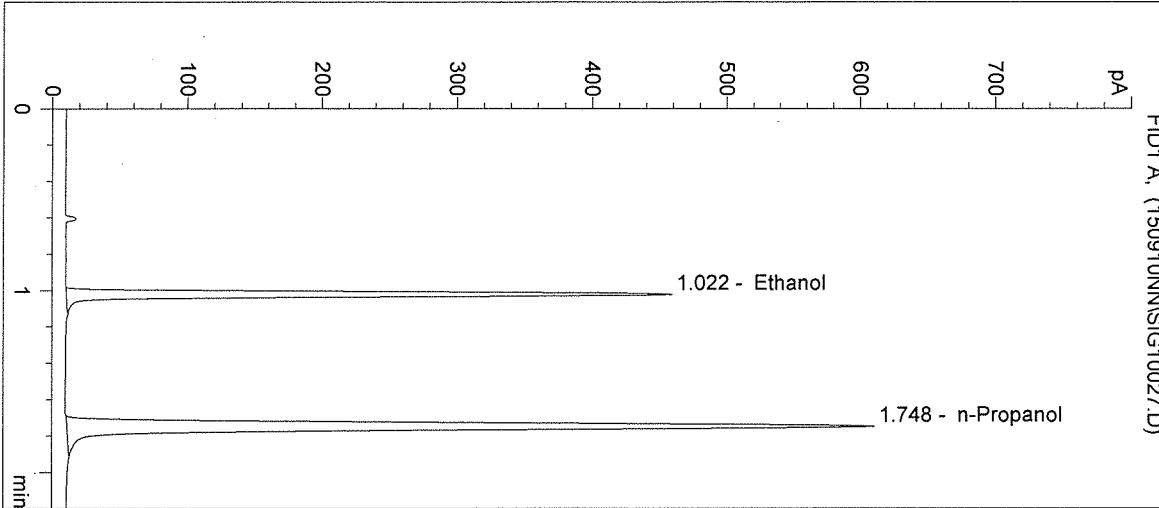
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

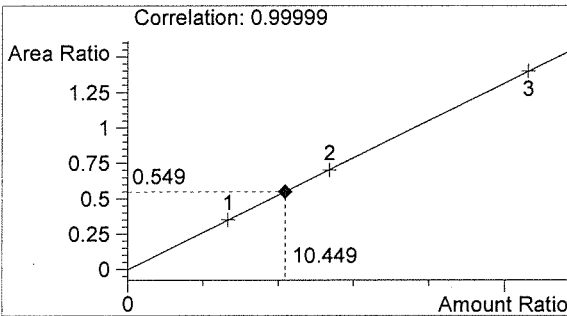
Location: Vial 27

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

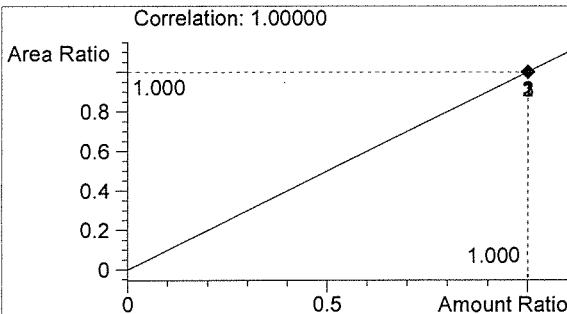
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	874	1.022
2	n-Propanol	1591	1.748



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten initials*

*Handwritten signature*

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

Inj. Date: 9/10/2015 1:17:51 PM

Sample Name: 15036 #5

Instrument: HSGC#3

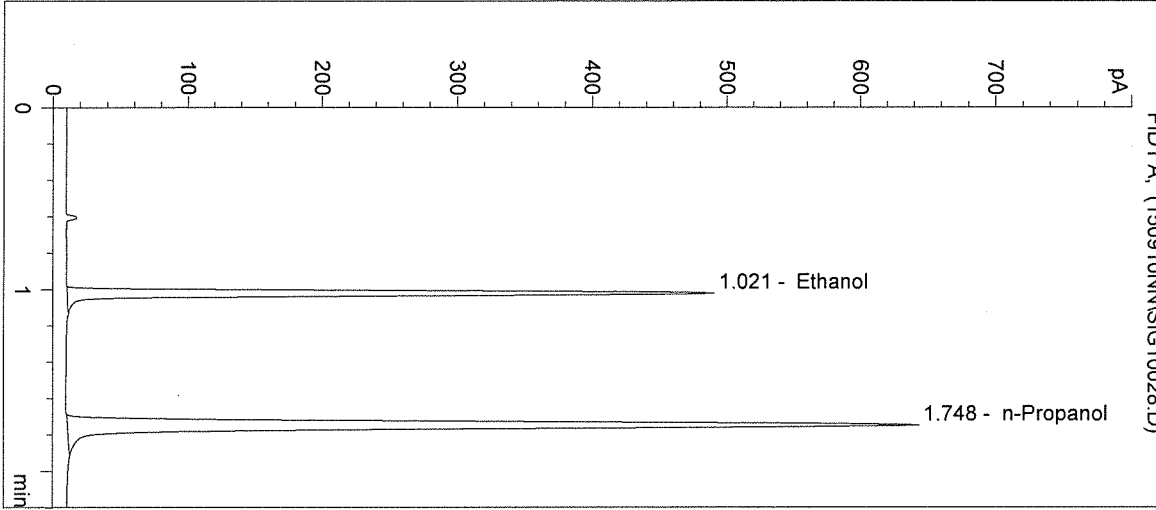
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

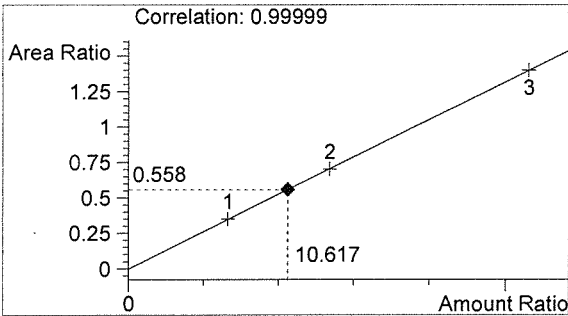
Location: Vial 28

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

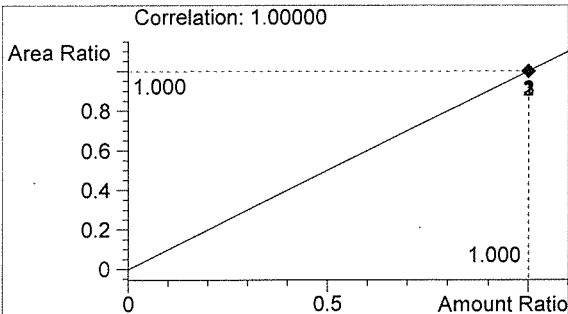
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	936	1.021
2	n-Propanol	1676	1.748



Ethanol 0.127 g/100mL



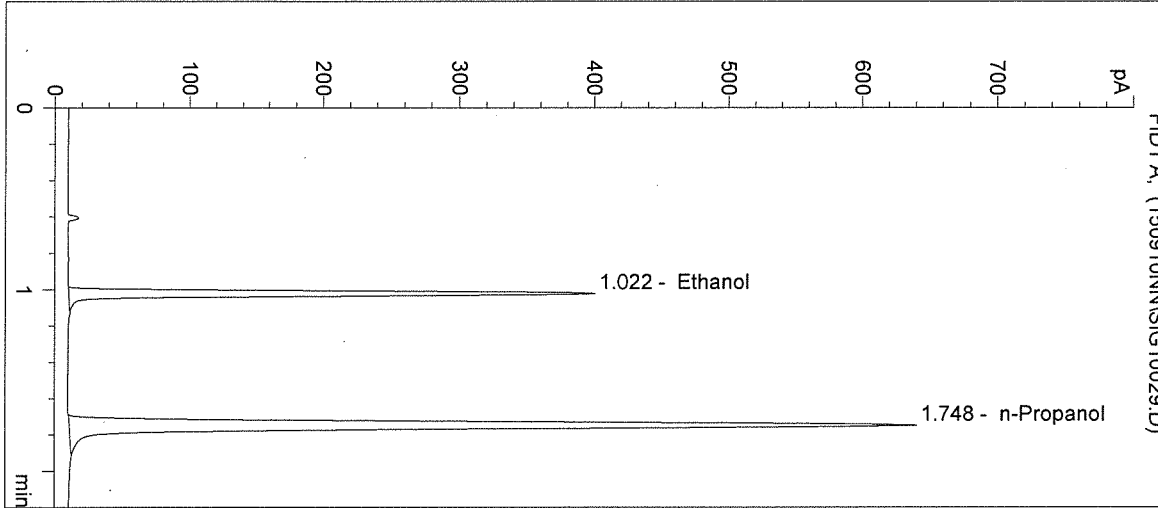
n-Propanol 0.012 g/100mL

*h*

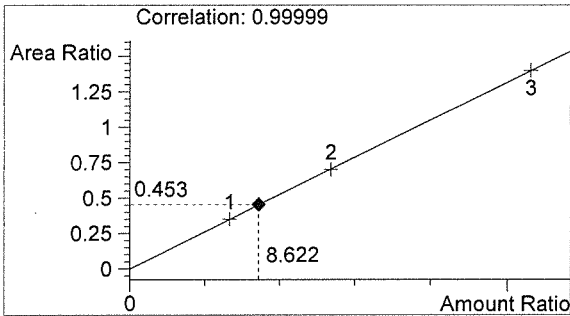
*MA*

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2203 Airport Way S Seattle, WA 98134

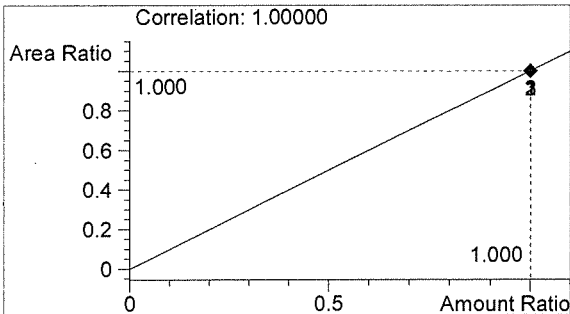
Inj. Date: 9/10/2015 1:21:04 PM      Sample Name: 0:10 CTRL  
Instrument: HSGC#3      Operator: Naziha Nuwayhid, PhD  
Column: DB-ALC2      Location: Vial 29  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	755	1.022
2	n-Propanol	1665	1.748



Ethanol      0.103 g/100mL



n-Propanol      0.012 g/100mL

*ML*



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

Inj. Date: 9/10/2015 1:24:18 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

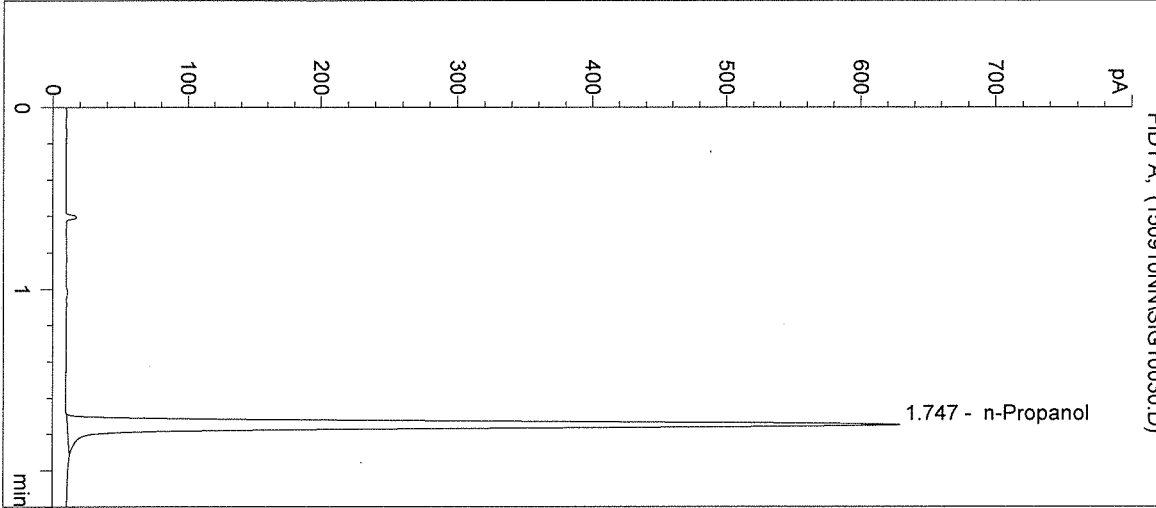
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

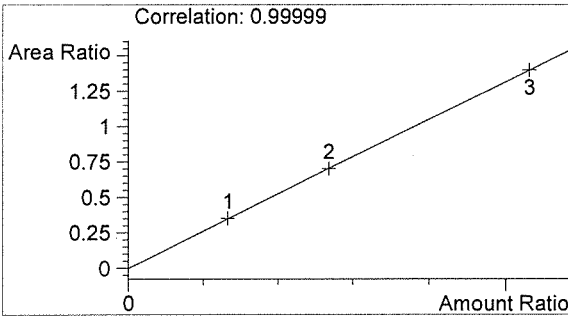
Location: Vial 30

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

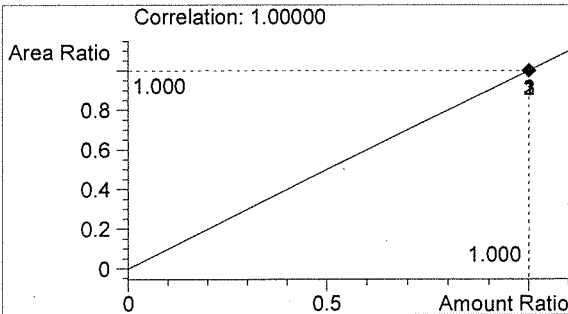
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1636	1.747



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten initials*

Sequence Parameters:

Operator: Rebecca Flaherty  
 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: 150911RF  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0615-01 - Exp. 12/2/2015  
 Ethanol Calibrator 2, E0615-02 - Exp. 12/2/2015  
 Ethanol Calibrator 3, E0615-03 - Exp. 12/2/2015  
 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#P0715 - Exp. 10/27/15

Calibration vials 1-9 filed with 15034.

*Run inadvertently stopped after vial 34 due to wrong vial count downloaded to auto sampler. changed EF 9.11.15 changed vial #s in autosampler control & sequence automatically resumed EF 9.11.15*

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	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15034 #1	SIMALC3	1	Sample		
11	Vial 11	15034 #2	SIMALC3	1	Sample		
12	Vial 12	15034 #3	SIMALC3	1	Sample		
13	Vial 13	15034 #4	SIMALC3	1	Sample		
14	Vial 14	15034 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15035 #1	SIMALC3	1	Sample		
18	Vial 18	15035 #2	SIMALC3	1	Sample		
19	Vial 19	15035 #3	SIMALC3	1	Sample		
20	Vial 20	15035 #4	SIMALC3	1	Sample		
21	Vial 21	15035 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15036 #1	SIMALC3	1	Sample		
25	Vial 25	15036 #2	SIMALC3	1	Sample		
26	Vial 26	15036 #3	SIMALC3	1	Sample		

15036

*29/2/15*

*RF*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	15036 #4	SIMALC3	1	Sample		
28	Vial 28	15036 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15037 #1	SIMALC3	1	Sample		
32	Vial 32	15037 #2	SIMALC3	1	Sample		
33	Vial 33	15037 #3	SIMALC3	1	Sample		
34	Vial 34	15037 #4	SIMALC3	1	Sample		
35	Vial 35	15037 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15038 #1	SIMALC3	1	Sample		
39	Vial 39	15038 #2	SIMALC3	1	Sample		
40	Vial 40	15038 #3	SIMALC3	1	Sample		
41	Vial 41	15038 #4	SIMALC3	1	Sample		
42	Vial 42	15038 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15036  
*for 2/15*

*RF*

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

Inj. Date: 9/11/2015 1:37:01 PM

Sample Name: 15036 #1

Instrument: HSGC#3

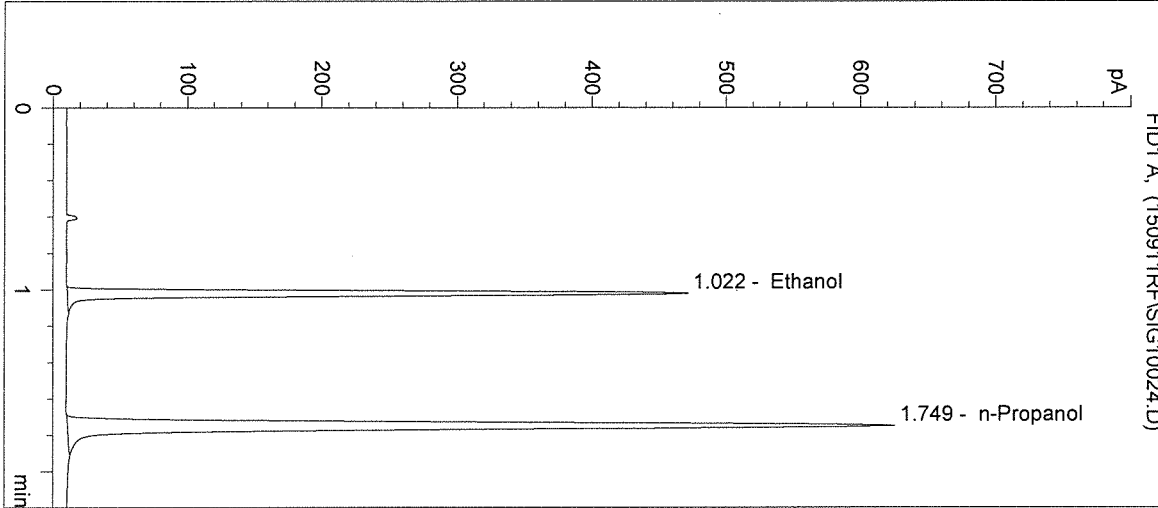
Operator: Rebecca Flaherty

Column: DB-ALC2

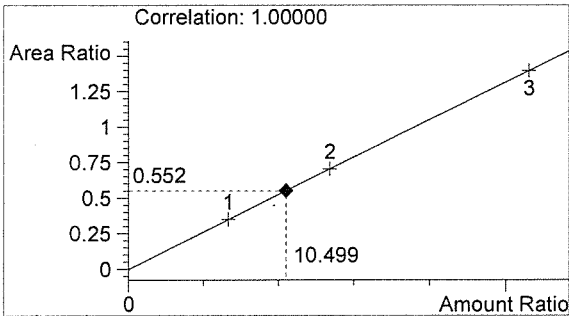
Location: Vial 24

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

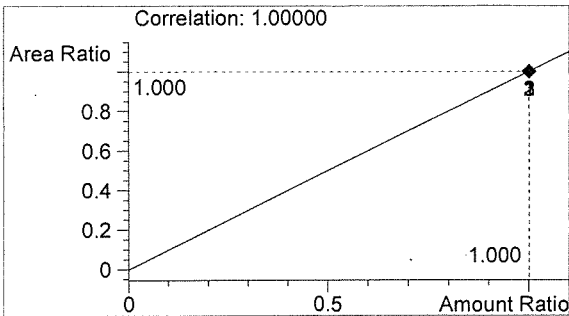
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	902	1.022
2	n-Propanol	1635	1.749



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*RF*

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

Inj. Date: 9/11/2015 1:40:14 PM

Sample Name: 15036 #2

Instrument: HSGC#3

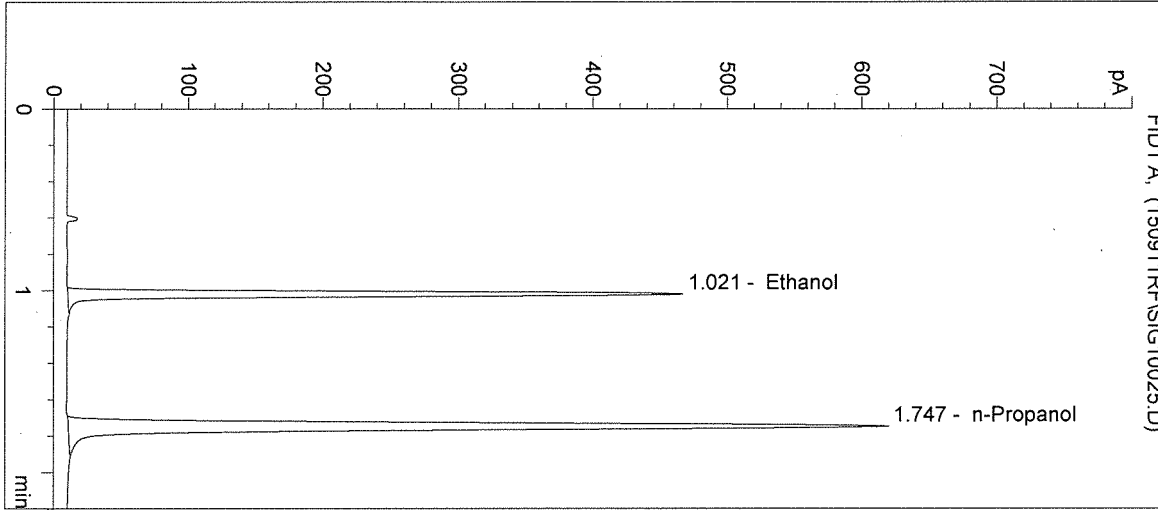
Operator: Rebecca Flaherty

Column: DB-ALC2

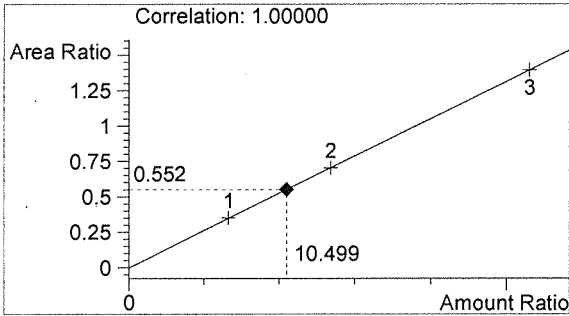
Location: Vial 25

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

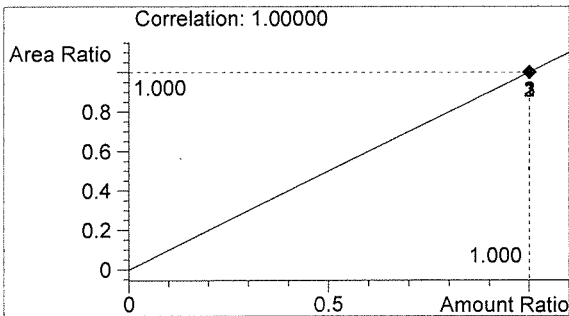
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	893	1.021
2	n-Propanol	1619	1.747



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 9/11/2015 1:43:27 PM

Sample Name: 15036 #3

Instrument: HSGC#3

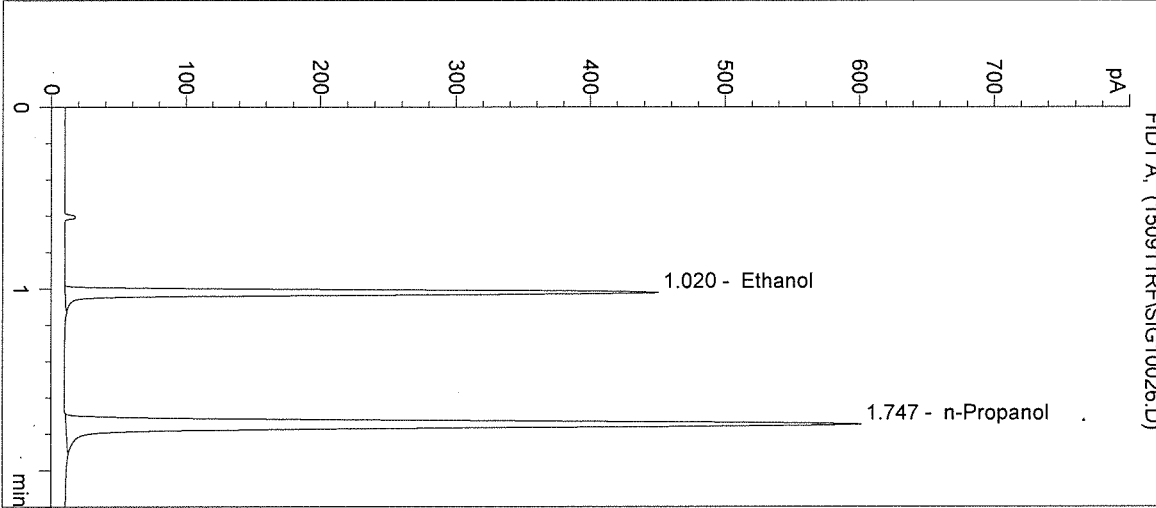
Operator: Rebecca Flaherty

Column: DB-ALC2

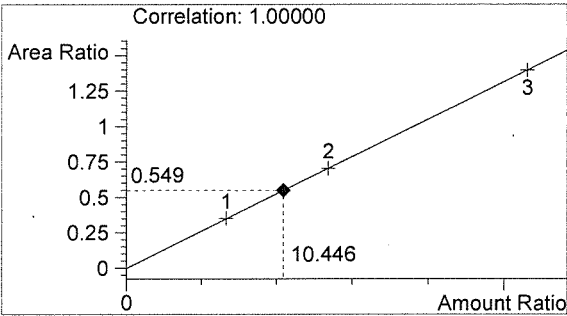
Location: Vial 26

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

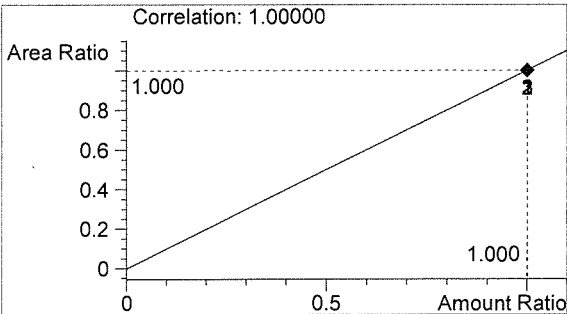
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	863	1.020
2	n-Propanol	1573	1.747



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 9/11/2015 1:46:41 PM

Sample Name: 15036 #4

Instrument: HSGC#3

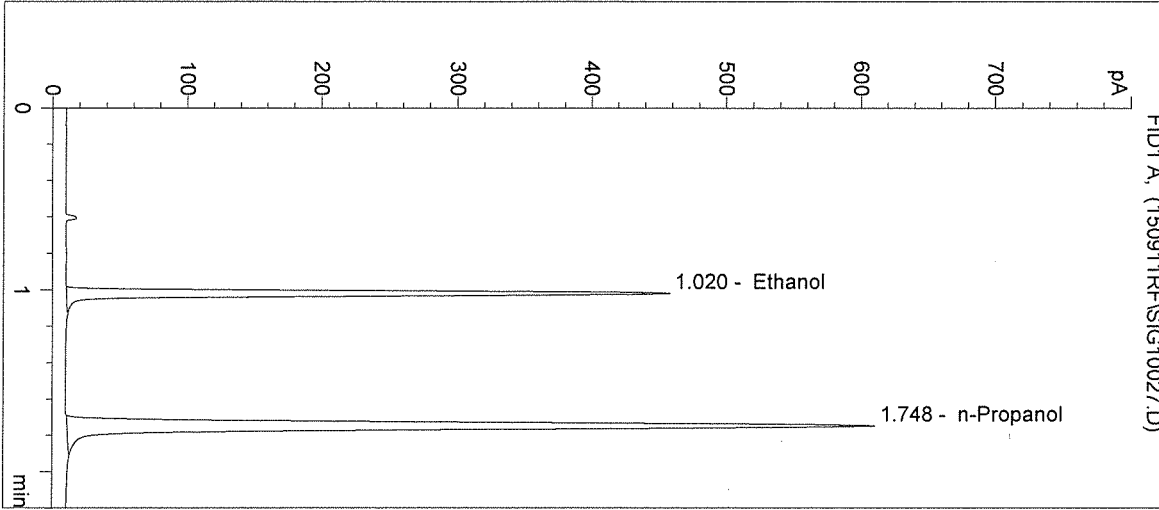
Operator: Rebecca Flaherty

Column: DB-ALC2

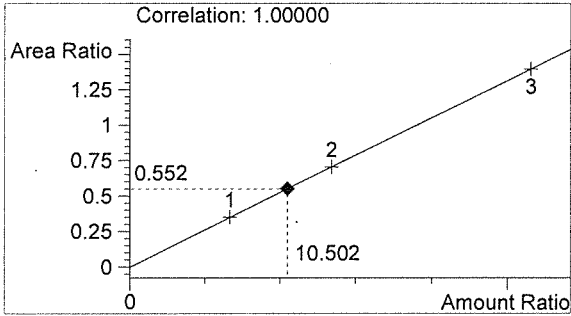
Location: Vial 27

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

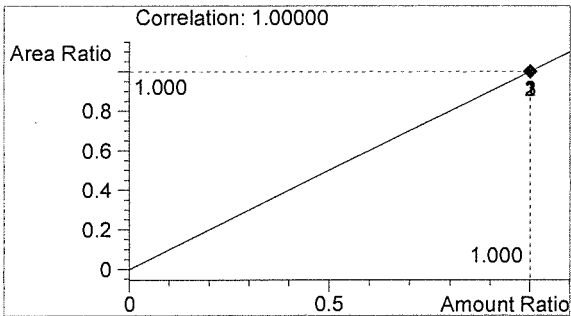
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	880	1.020
2	n-Propanol	1595	1.748



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 9/11/2015 1:49:54 PM

Sample Name: 15036 #5

Instrument: HSGC#3

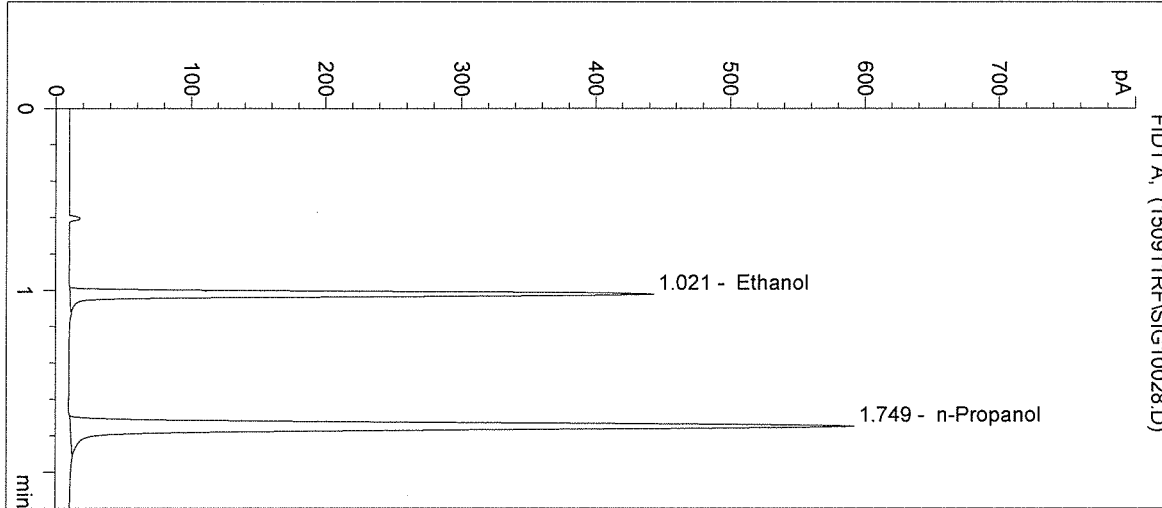
Operator: Rebecca Flaherty

Column: DB-ALC2

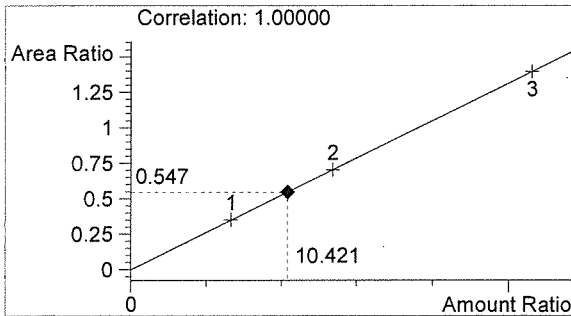
Location: Vial 28

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

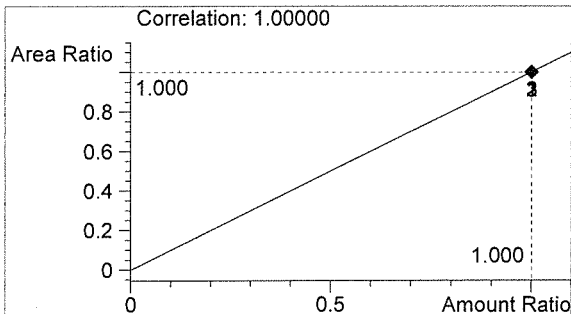
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	845	1.021
2	n-Propanol	1543	1.749



Ethanol 0.125 g/100mL



n-Propanol 0.012 g/100mL

RF

RF



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

Inj. Date: 9/11/2015 1:53:07 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

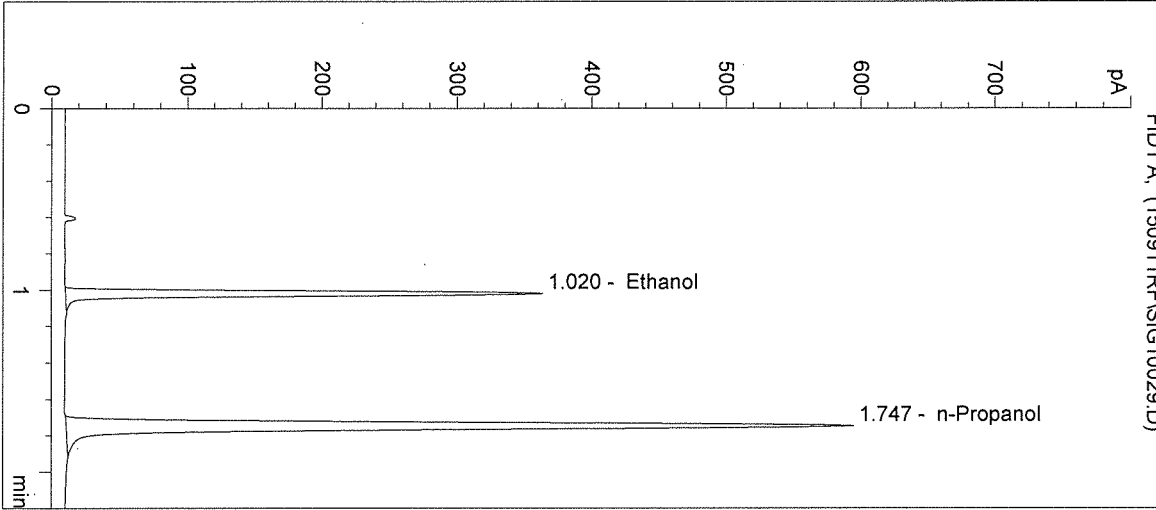
Operator: Rebecca Flaherty

Column: DB-ALC2

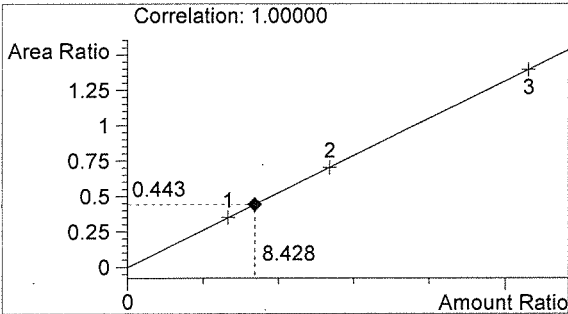
Location: Vial 29

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

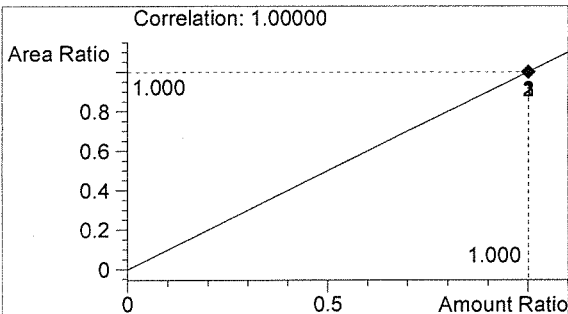
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	689	1.020
2	n-Propanol	1556	1.747



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 9/11/2015 1:56:21 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

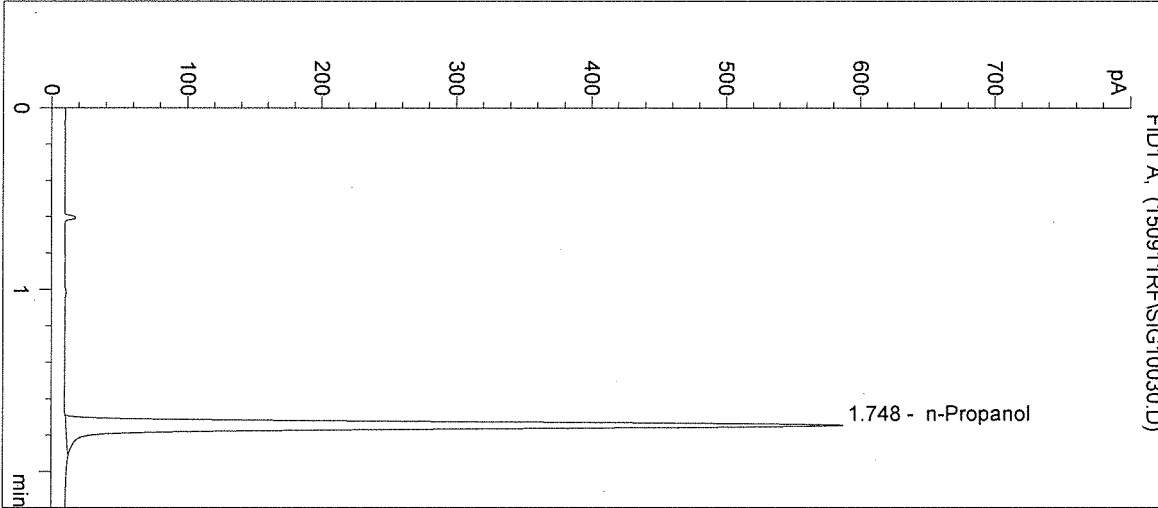
Operator: Rebecca Flaherty

Column: DB-ALC2

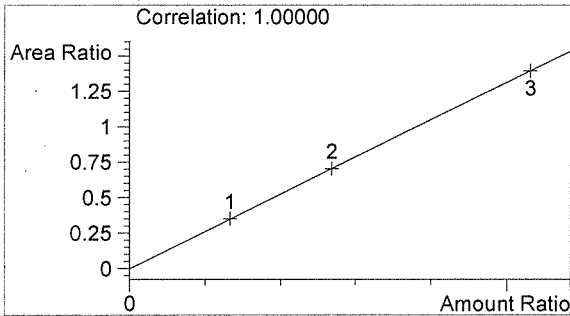
Location: Vial 30

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

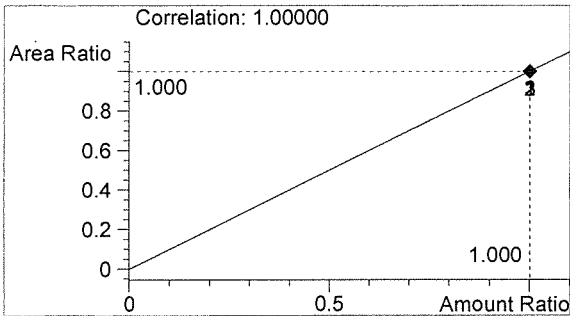
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1531	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*of*

*RF*

Sequence Parameters:

Operator: Amanda Chandler  
 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: 150917AC  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0615-01 - Exp. 12/2/2015  
 Ethanol Calibrator 2, E0615-02 - Exp. 12/2/2015  
 Ethanol Calibrator 3, E0615-03 - Exp. 12/2/2015  
 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#P0715 - Exp. 10/27/15

Calibration vials 1-9 filed with 15034.

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	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15034 #1	SIMALC3	1	Sample		
11	Vial 11	15034 #2	SIMALC3	1	Sample		
12	Vial 12	15034 #3	SIMALC3	1	Sample		
13	Vial 13	15034 #4	SIMALC3	1	Sample		
14	Vial 14	15034 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15035 #1	SIMALC3	1	Sample		
18	Vial 18	15035 #2	SIMALC3	1	Sample		
19	Vial 19	15035 #3	SIMALC3	1	Sample		
20	Vial 20	15035 #4	SIMALC3	1	Sample		
21	Vial 21	15035 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15036 #1	SIMALC3	1	Sample		
25	Vial 25	15036 #2	SIMALC3	1	Sample		
26	Vial 26	15036 #3	SIMALC3	1	Sample		

15036  
 12/9/2015

AL

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	15036 #4	SIMALC3	1	Sample		
28	Vial 28	15036 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15038 #1	SIMALC3	1	Sample		
32	Vial 32	15038 #2	SIMALC3	1	Sample		
33	Vial 33	15038 #3	SIMALC3	1	Sample		
34	Vial 34	15038 #4	SIMALC3	1	Sample		
35	Vial 35	15038 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15039 #1	SIMALC3	1	Sample		
39	Vial 39	15039 #2	SIMALC3	1	Sample		
40	Vial 40	15039 #3	SIMALC3	1	Sample		
41	Vial 41	15039 #4	SIMALC3	1	Sample		
42	Vial 42	15039 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15036

*12/21/15*

*AR*

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

Inj. Date: 9/17/2015 12:31:38 PM

Sample Name: 15036 #1

Instrument: HSGC#3

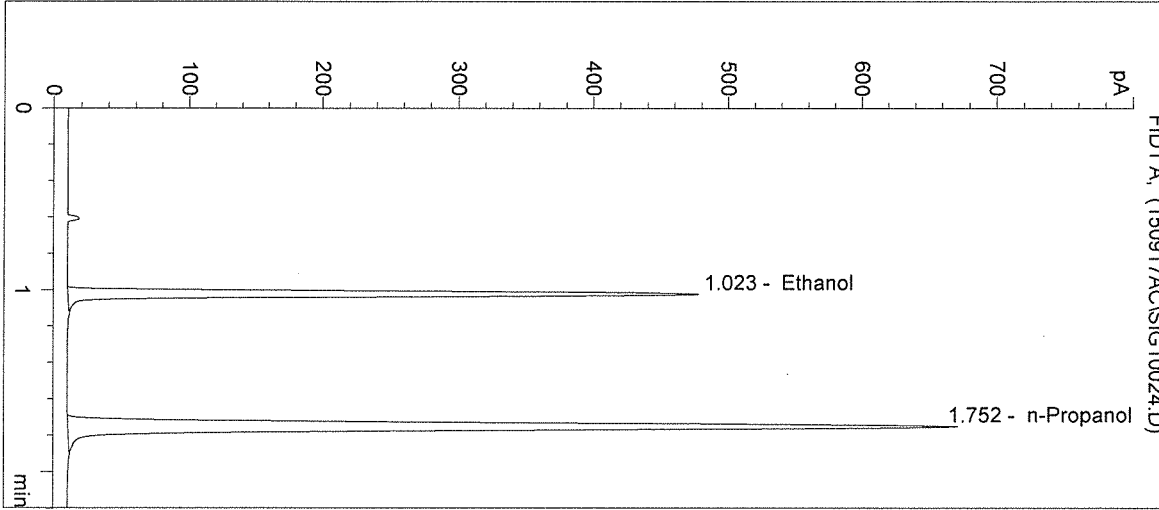
Operator: Amanda Chandler

Column: DB-ALC2

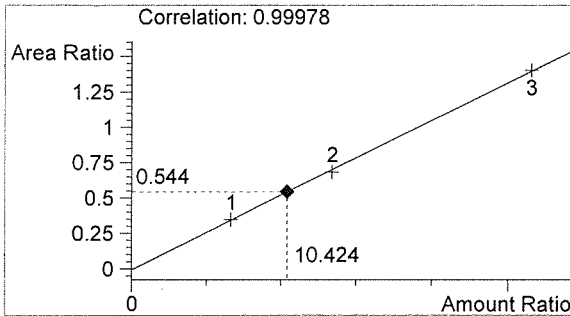
Location: Vial 24

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

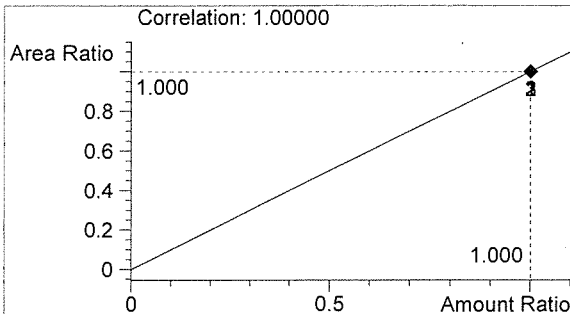
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	972	1.023
2	n-Propanol	1787	1.752



Ethanol 0.125 g/100mL



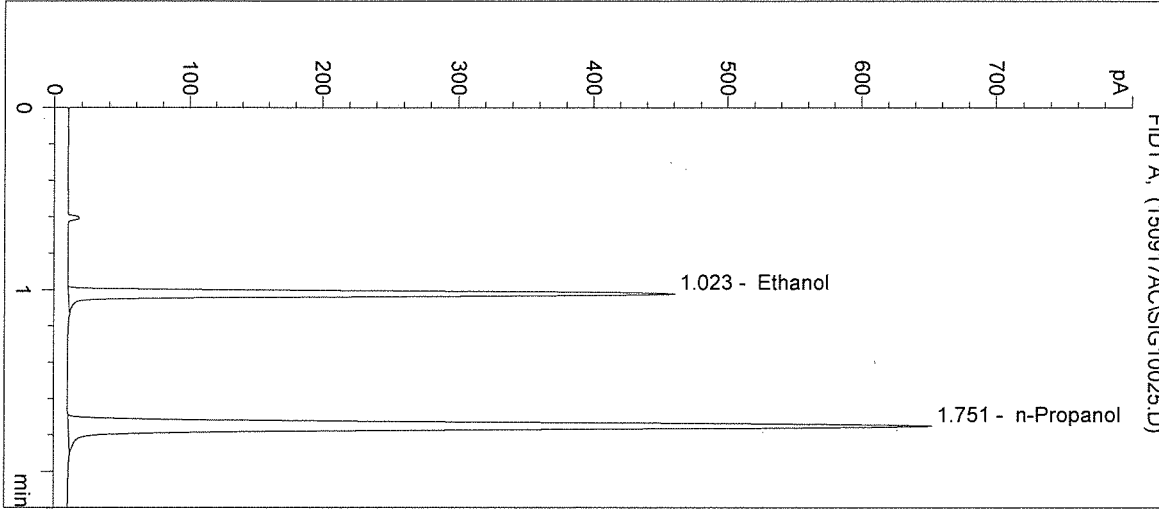
n-Propanol 0.012 g/100mL

*Handwritten mark*

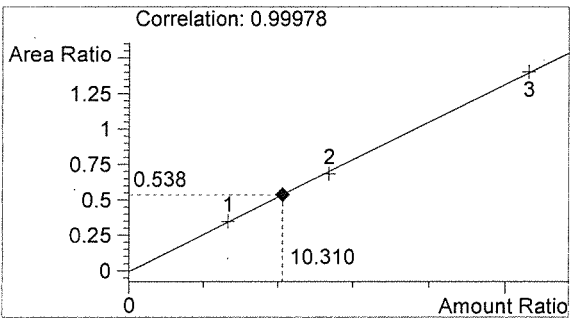
*Handwritten mark*

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

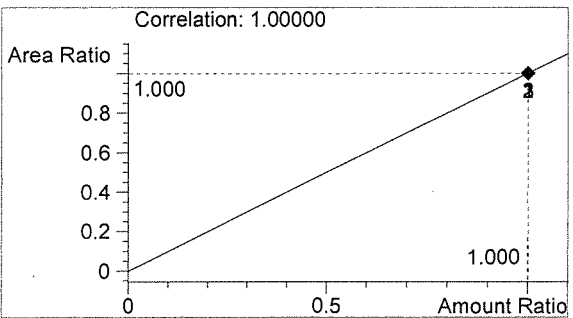
Inj. Date: 9/17/2015 12:34:52 PM      Sample Name: 15036 #2  
Instrument: HSGC#3      Operator: Amanda Chandler  
Column: DB-ALC2      Location: Vial 25  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	933	1.023
2	n-Propanol	1733	1.751



Ethanol      0.124 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten signature/initials*

*Handwritten signature/initials*

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

Inj. Date: 9/17/2015 12:38:05 PM

Sample Name: 15036 #3

Instrument: HSGC#3

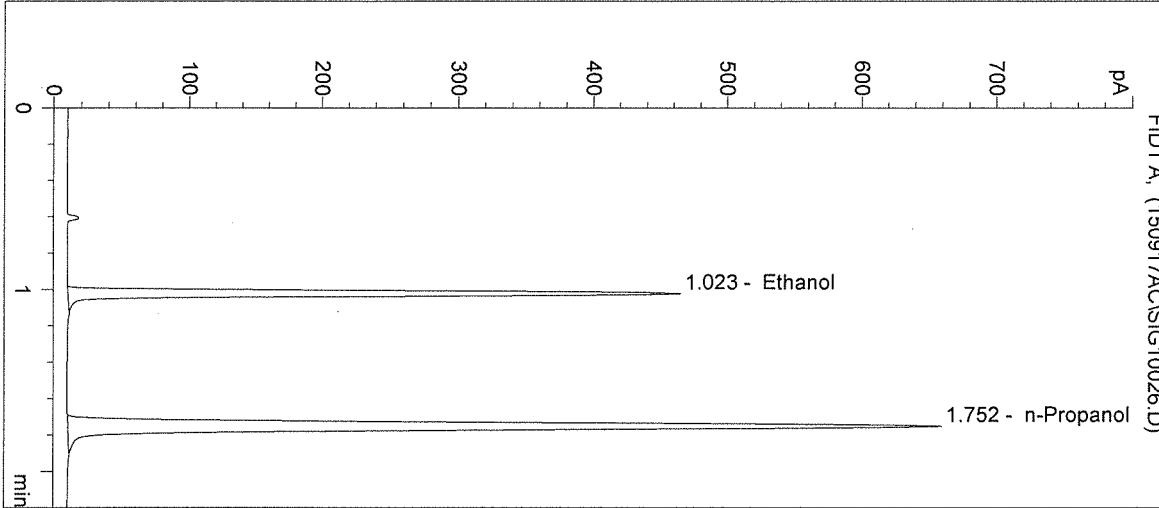
Operator: Amanda Chandler

Column: DB-ALC2

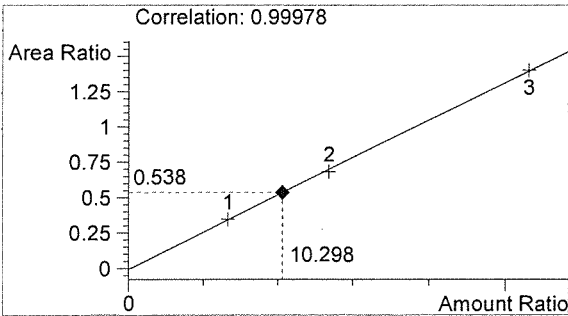
Location: Vial 26

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

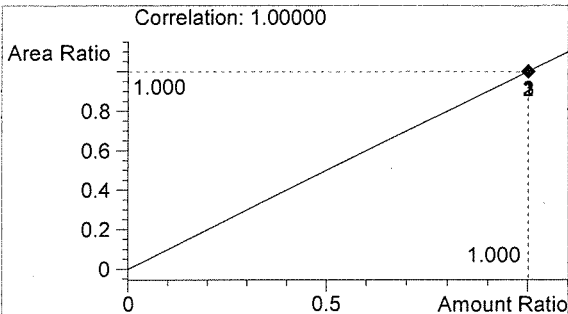
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	945	1.023
2	n-Propanol	1758	1.752



Ethanol 0.124 g/100mL



n-Propanol 0.012 g/100mL

20

AC

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

Inj. Date: 9/17/2015 12:41:18 PM

Sample Name: 15036 #4

Instrument: HSGC#3

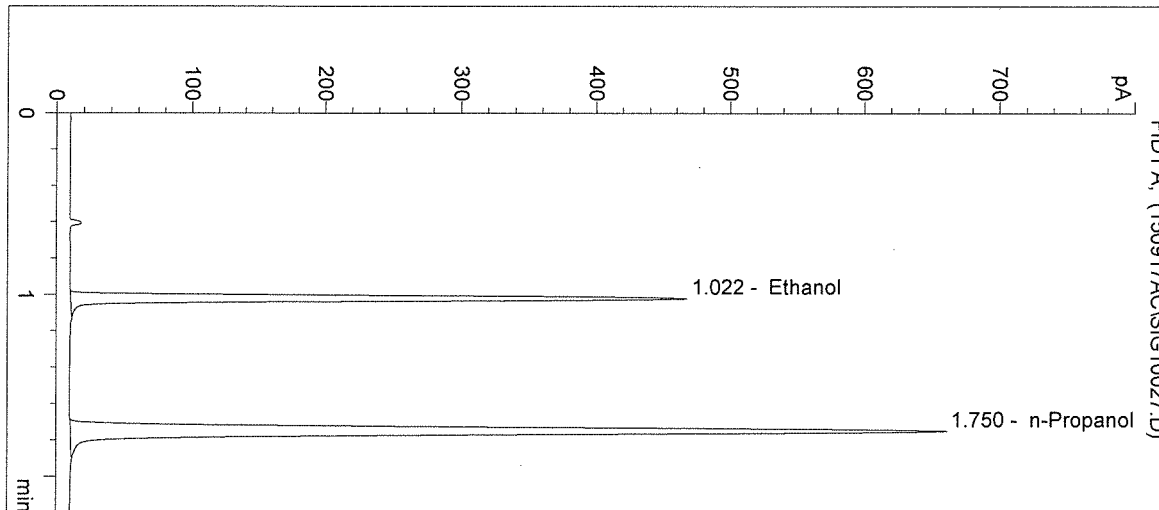
Operator: Amanda Chandler

Column: DB-ALC2

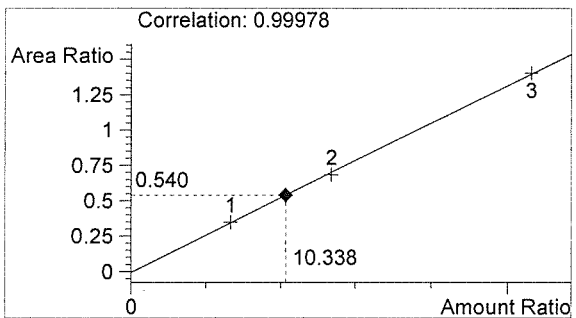
Location: Vial 27

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

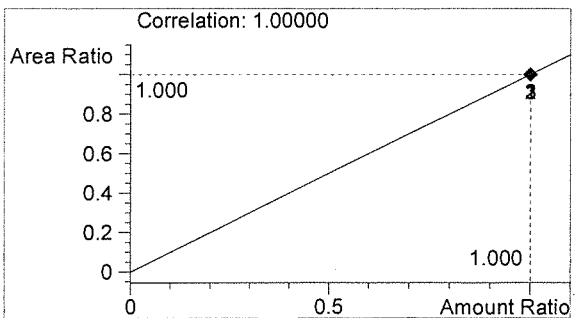
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	949	1.022
2	n-Propanol	1758	1.750



Ethanol 0.124 g/100mL



n-Propanol 0.012 g/100mL

*h*

*R*



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

Inj. Date: 9/17/2015 12:44:32 PM

Sample Name: 15036 #5

Instrument: HSGC#3

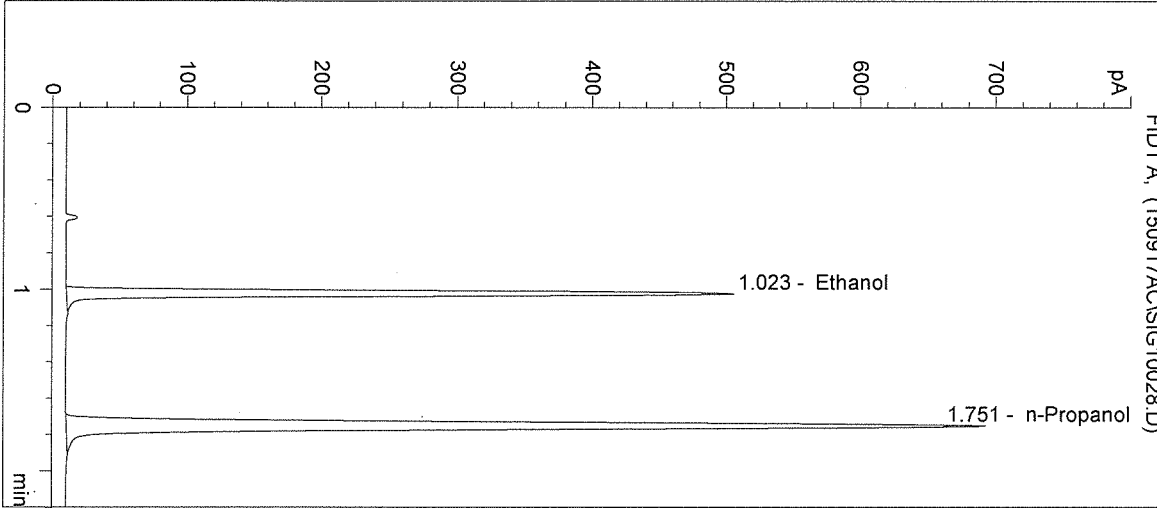
Operator: Amanda Chandler

Column: DB-ALC2

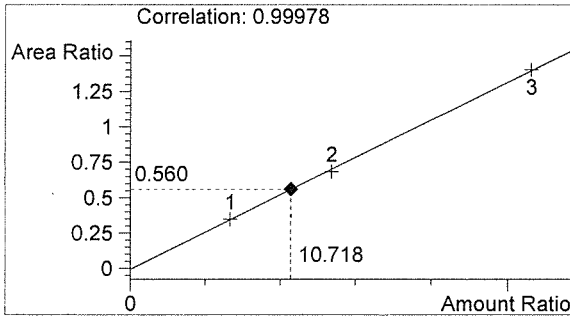
Location: Vial 28

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

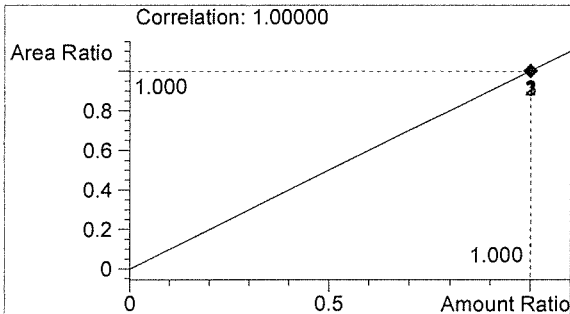
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1033	1.023
2	n-Propanol	1845	1.751



Ethanol 0.129 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten initials AR*

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

Inj. Date: 9/17/2015 12:47:45 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

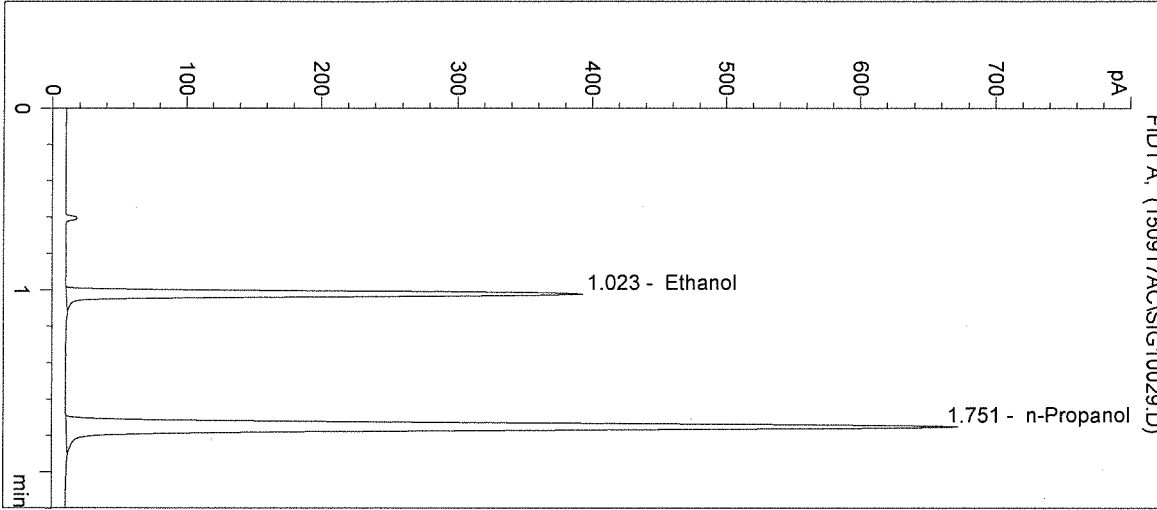
Operator: Amanda Chandler

Column: DB-ALC2

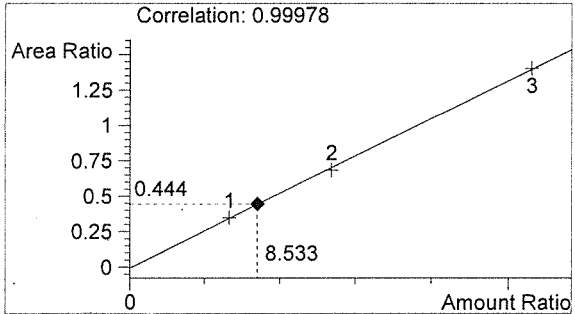
Location: Vial 29

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

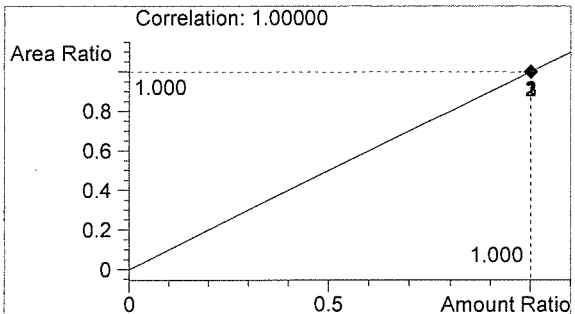
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	795	1.023
2	n-Propanol	1790	1.751



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*h*

*AE*

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

Inj. Date: 9/17/2015 12:50:59 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

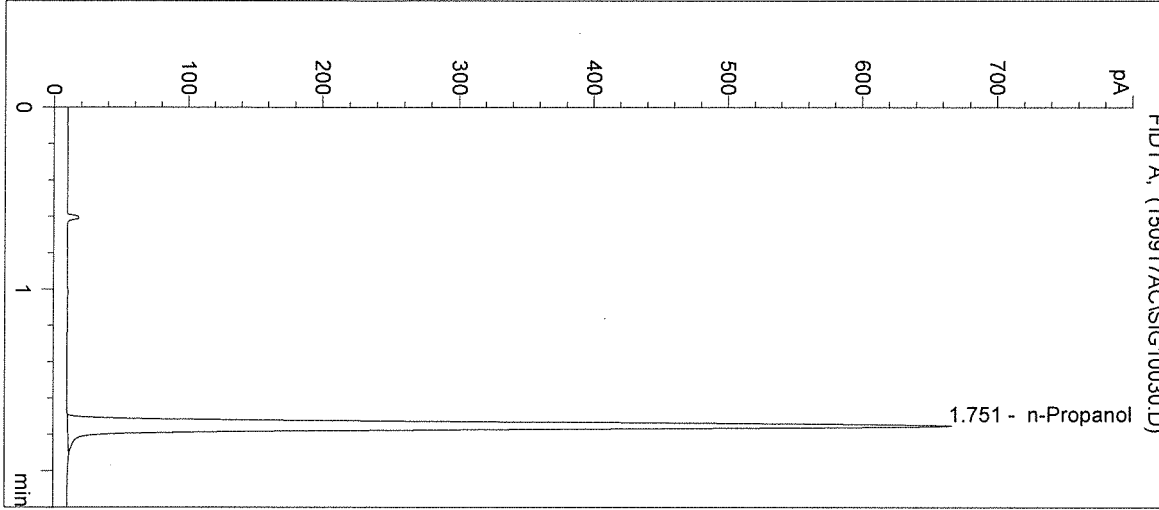
Operator: Amanda Chandler

Column: DB-ALC2

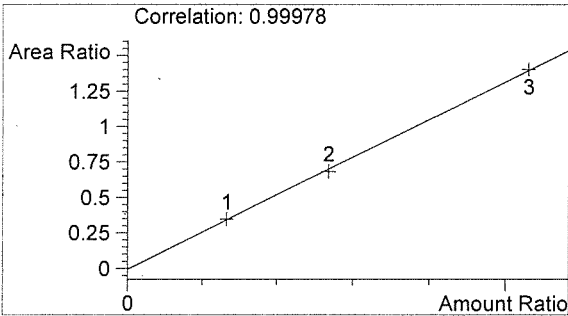
Location: Vial 30

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

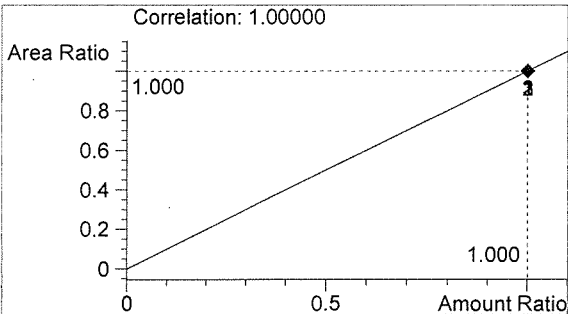
Sample Info: 15036



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1776	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten mark*