



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16003

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: 02/10/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Elizabeth Wehner

	EW	JLK	AG
1	0.101	0.101	0.101
2	0.102	0.101	0.101
3	0.100	0.101	0.101
4	0.102	0.102	0.101
5	0.101	0.101	0.101
C	0.102	0.103	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1011 g/100mL PRECISION CV (%): 0.51
STANDARD DEVIATION: 0.00052 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0822 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (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	<u><i>Elizabeth Wehner</i></u>	02/10/2016
JLK	Justin L. Knoy	<u><i>Justin L. Knoy</i></u>	02/11/2016
AG	Andrew Gingras	<u><i>Andrew Gingras</i></u>	02/12/2016

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

QAP Solution Batch #: 16003

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	0.101	0.101	0.101
2	0.102	0.101	0.101
3	0.100	0.101	0.101
4	0.102	0.102	0.101
5	0.101	0.101	0.101
C	0.102	0.103	0.102

CV ² _{COA}	CV ² _{QAP Solution}	CV ² _{Control}	CV ² _{Part Coef}
0.0000084100	0.0000017382	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.1011 g/100mL
 Standard Deviation: 0.00052 g/100mL
 Precision CV (%): 0.51
 Equivalent Vapor Concentration: 0.0822 g/210L
 Combined Standard Uncertainty (±): 0.0009 g/210L
 Expanded Uncertainty (±): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

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

Calculations verified by: Amanda H. Black [Signature] 3-16-16
 Name Signature Date

Method: Hand calculation

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


SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP - FLSSB Seattle, WA Solution Batch Number: 16003

	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: 3-16-16



Washington State Patrol Toxicology Laboratory Division

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	AG	3/10/16
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	03/09/16
Justin Knoy	JK	3.10.16
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16003 3/31/16

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 16003**

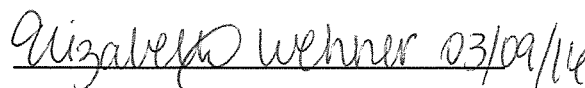
I, Elizabeth Wehner, do certify under penalty of perjury that:

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 16003, 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

Handwritten signature of Elizabeth Wehner in cursive, with the date 03/09/16 written to the right.

Elizabeth Wehner

Date

Forensic Scientist



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 16003**

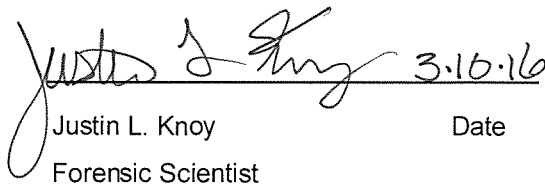
I, Justin L. Knoy, do certify under penalty of perjury that:

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 16003, 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


Justin L. Knoy
Forensic Scientist

3.16.16
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 16003**

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 16003, 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: EW

Lot # of 200-proof Ethanol used in preparation: 2EA0437

Date 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		

16003
 In 317116

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!

16003

fn317116

EW

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

Inj. Date: 2/10/2016 11:00:07 AM

Sample Name: 16003 #1

Instrument: HSGC#3

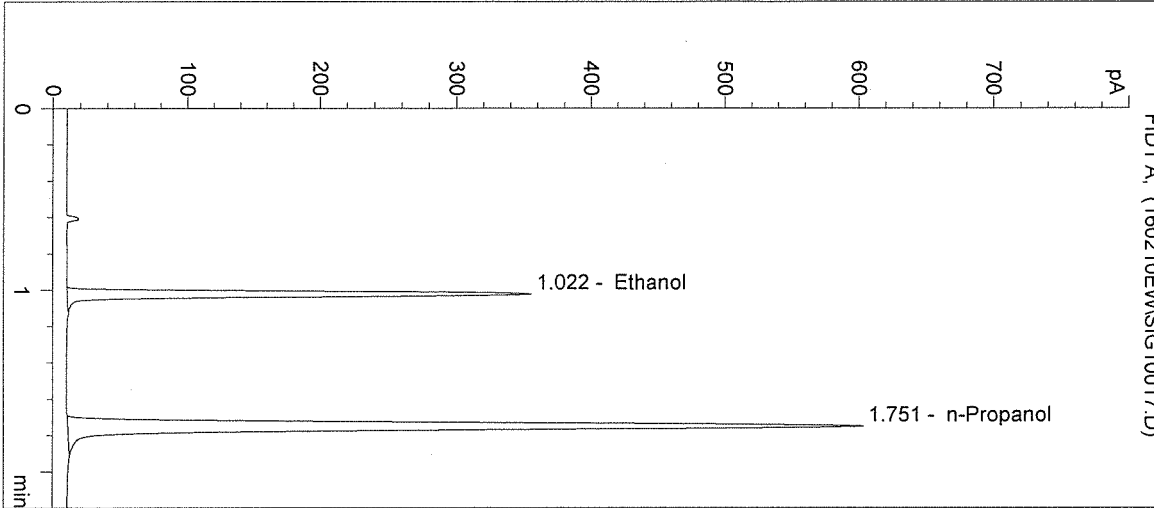
Operator: Elizabeth Wehner

Column: DB-ALC2

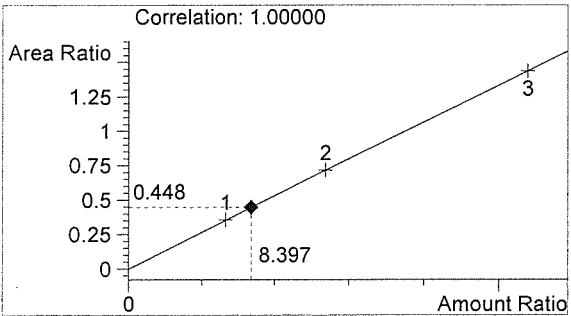
Location: Vial 17

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

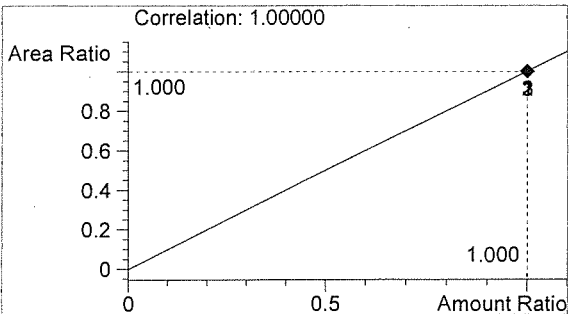
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	721	1.022
2	n-Propanol	1609	1.751



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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EW

Inj. Date: 2/10/2016 11:03:21 AM

Sample Name: 16003 #2

Instrument: HSGC#3

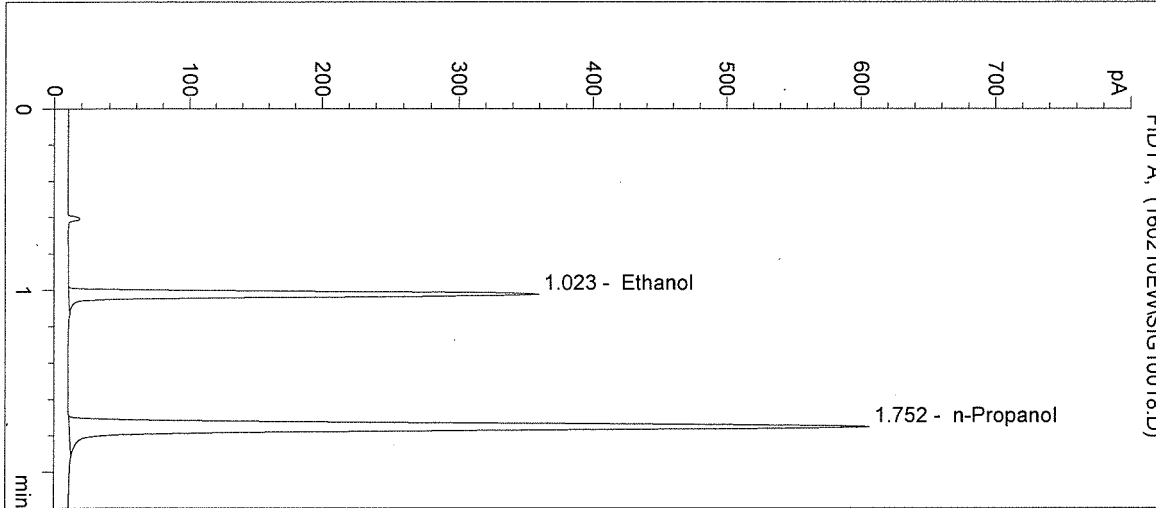
Operator: Elizabeth Wehner

Column: DB-ALC2

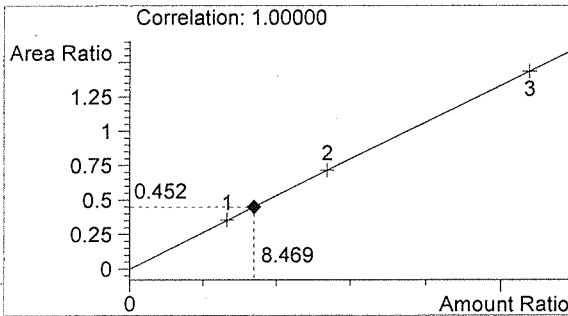
Location: Vial 18

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

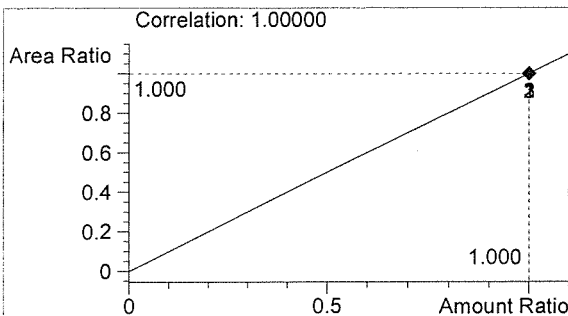
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	732	1.023
2	n-Propanol	1619	1.752



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 2/10/2016 11:06:34 AM

Sample Name: 16003 #3

Instrument: HSGC#3

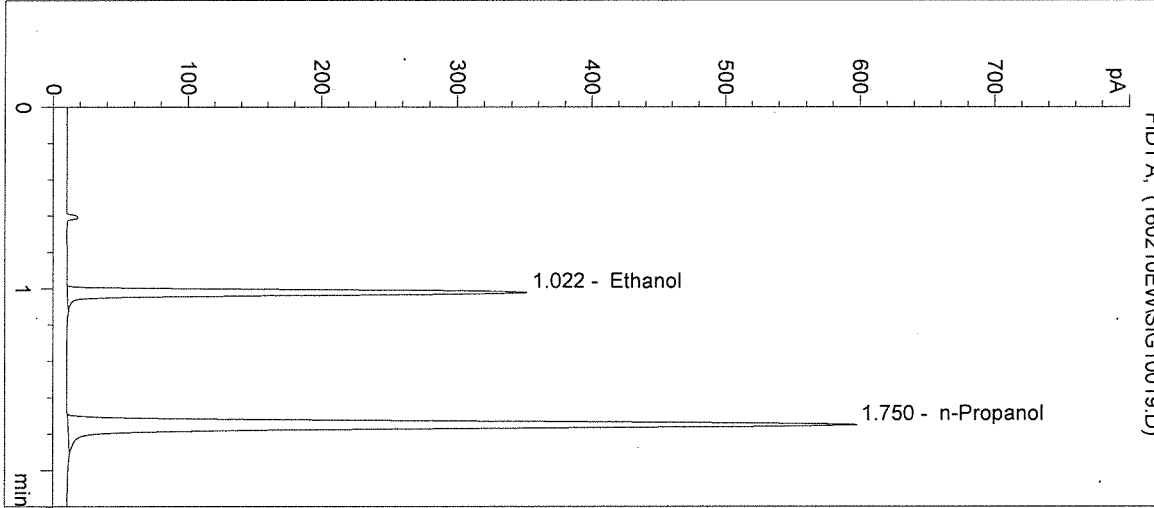
Operator: Elizabeth Wehner

Column: DB-ALC2

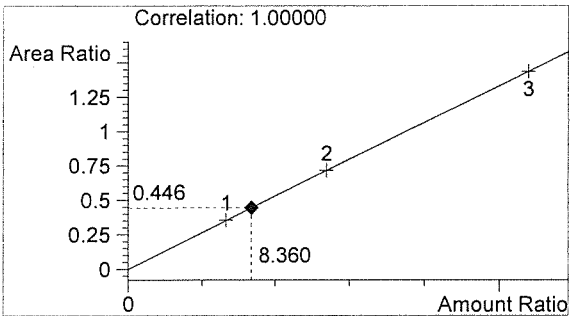
Location: Vial 19

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

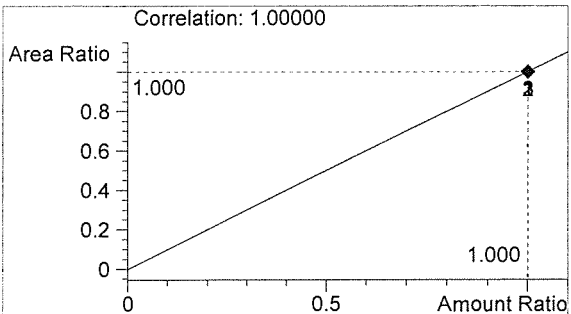
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	710	1.022
2	n-Propanol	1591	1.750



Ethanol 0.100 g/100mL

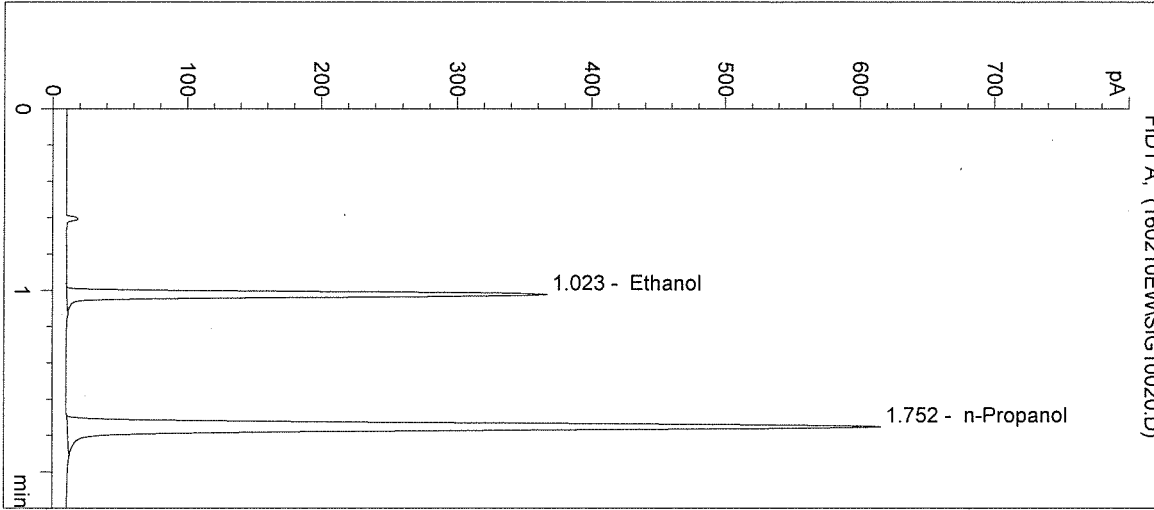


n-Propanol 0.012 g/100mL

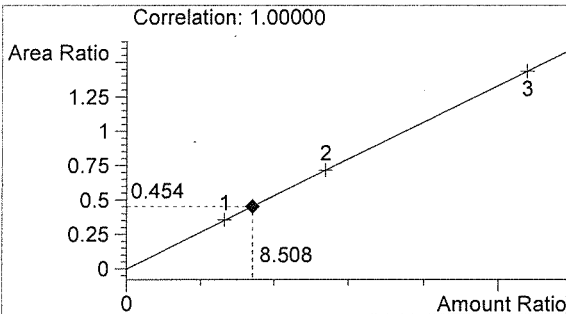
EW

EW

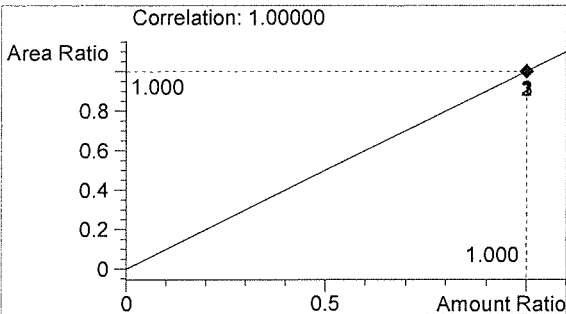
Inj. Date: 2/10/2016 11:09:48 AM Sample Name: 16003 #4
 Instrument: HSGC#3 Operator: Elizabeth Wehner
 Column: DB-ALC2 Location: Vial 20
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	746	1.023
2	n-Propanol	1643	1.752



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

Inj. Date: 2/10/2016 11:13:01 AM

Sample Name: 16003 #5

Instrument: HSGC#3

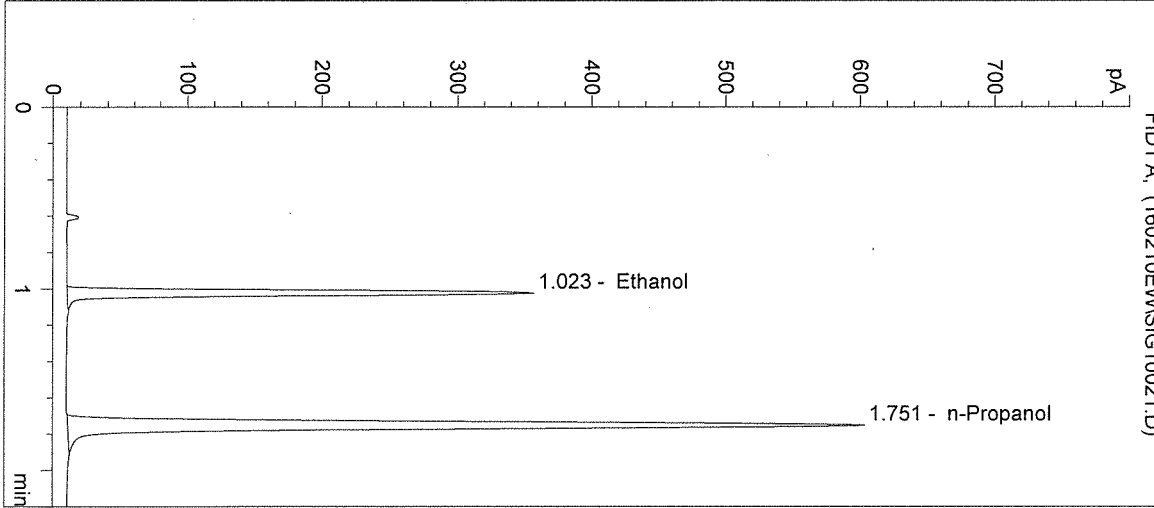
Operator: Elizabeth Wehner

Column: DB-ALC2

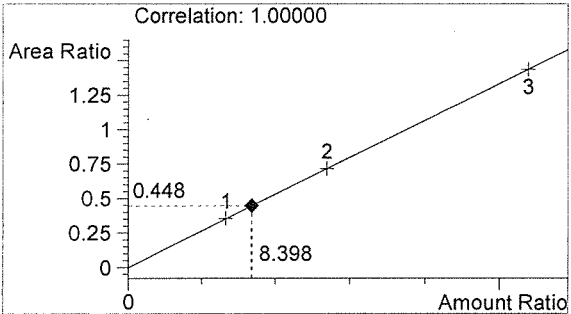
Location: Vial 21

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

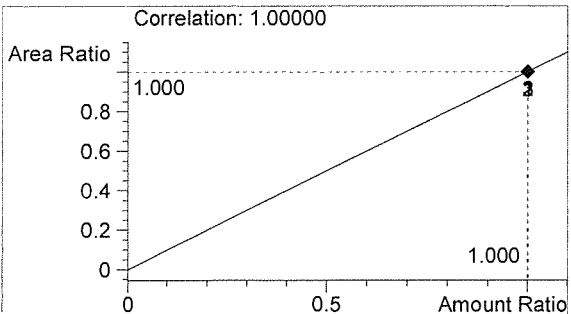
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	720	1.023
2	n-Propanol	1607	1.751



Ethanol 0.101 g/100mL

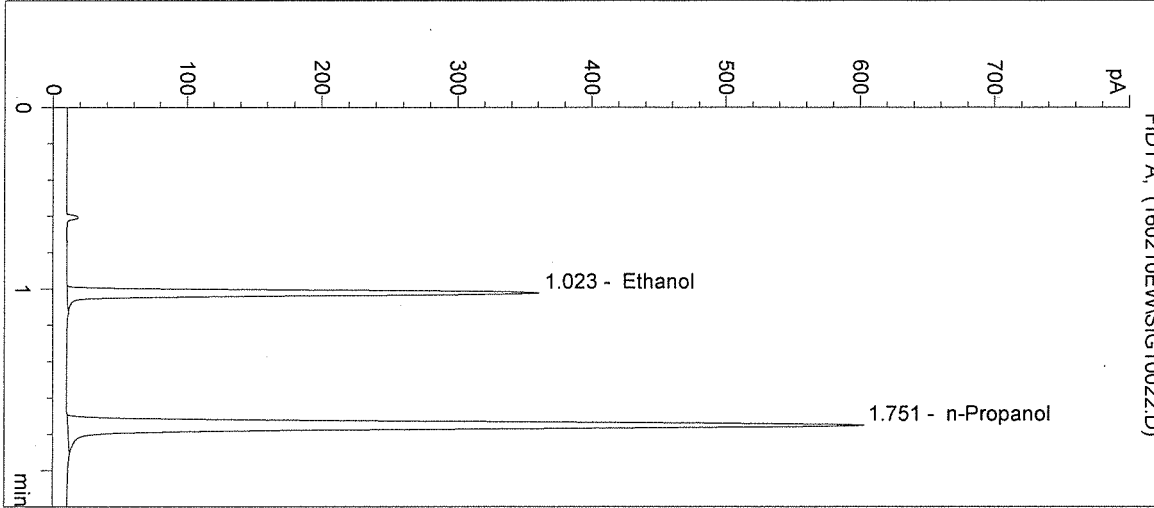


n-Propanol 0.012 g/100mL

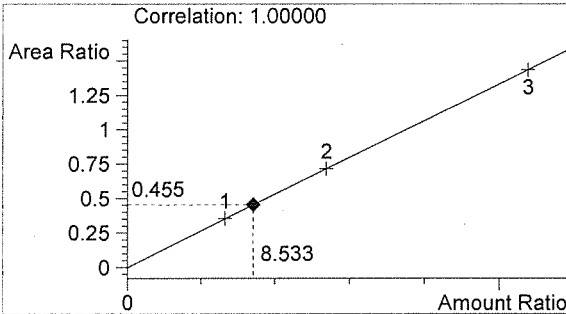
EW

EW

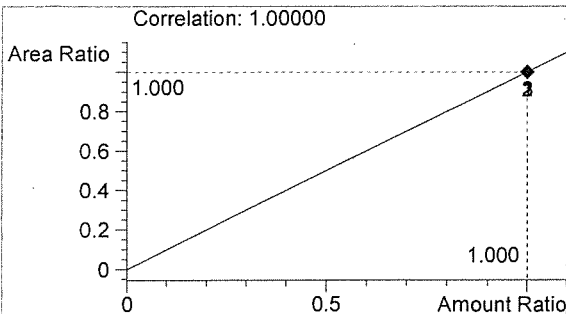
Inj. Date: 2/10/2016 11:16:15 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#3 Operator: Elizabeth Wehner
 Column: DB-ALC2 Location: Vial 22
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	730	1.023
2	n-Propanol	1603	1.751



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

Inj. Date: 2/10/2016 11:19:28 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

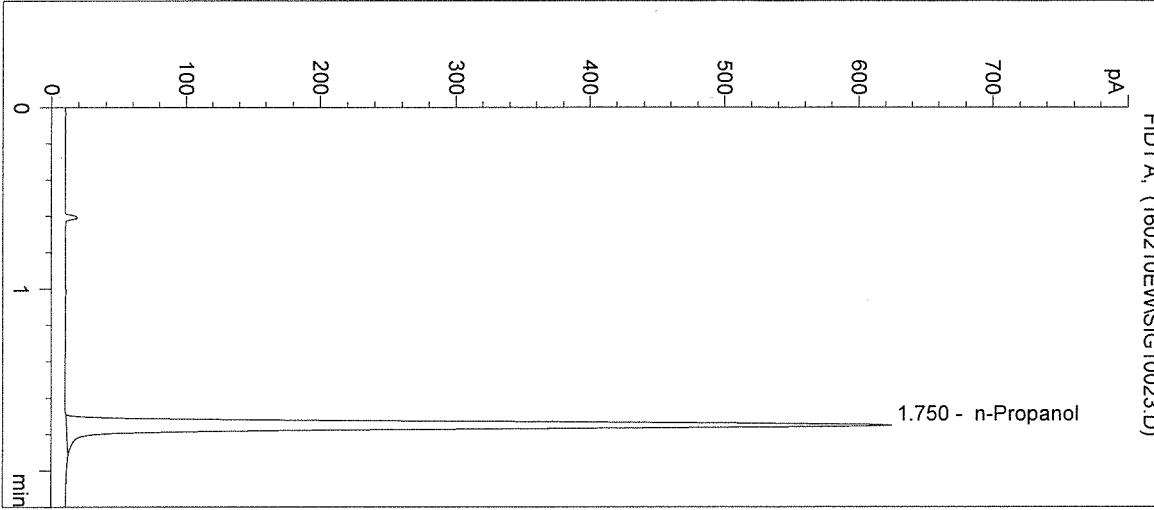
Operator: Elizabeth Wehner

Column: DB-ALC2

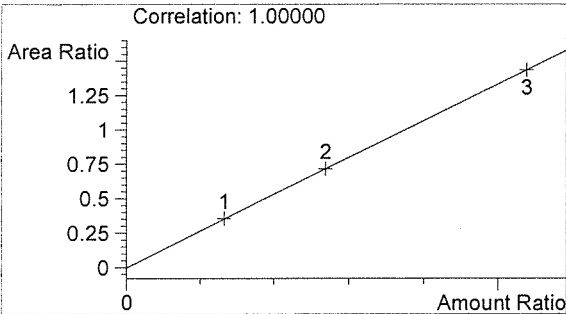
Location: Vial 23

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

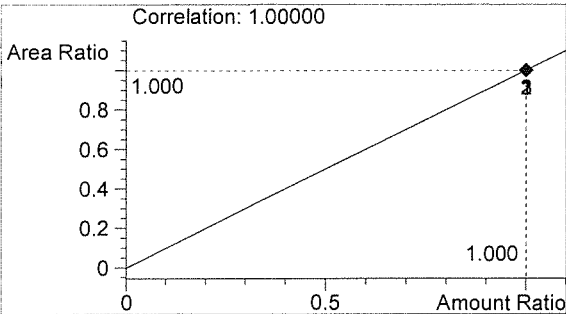
Sample Info: 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1667	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

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		

16003

Jn 3/11/16

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!

16003

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3/17/16

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

Inj. Date: 2/11/2016 4:58:40 PM

Sample Name: 16003-1

Instrument: HSGC#3

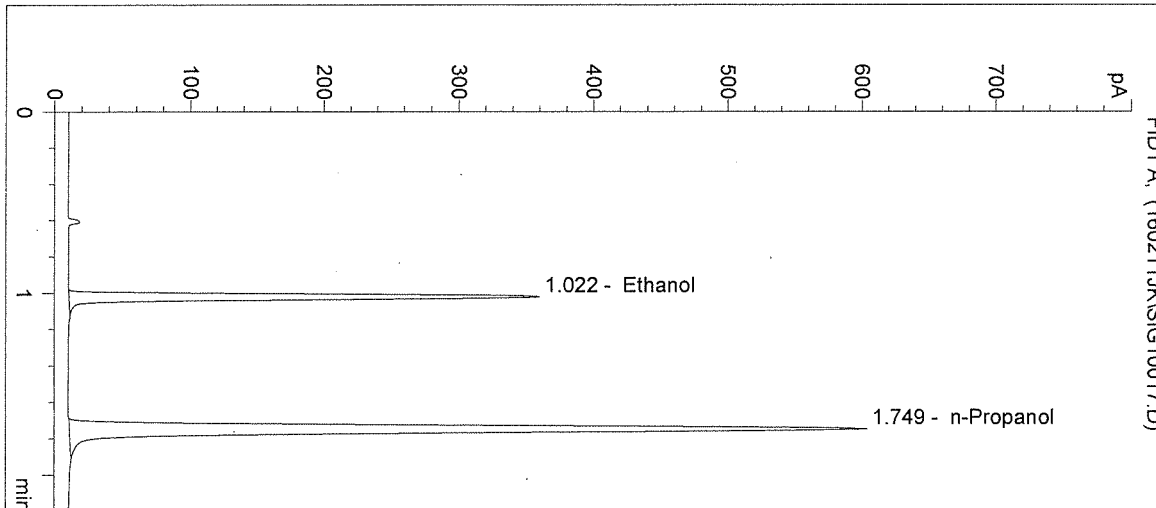
Operator: Justin Knoy

Column: DB-ALC2

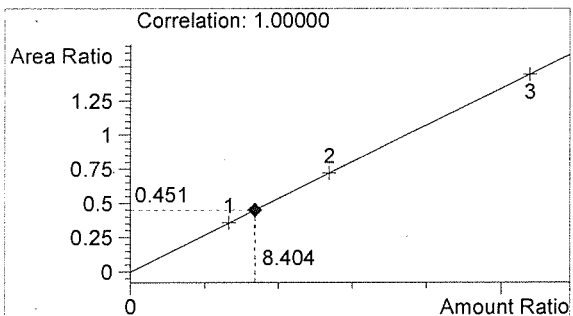
Location: Vial 17

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

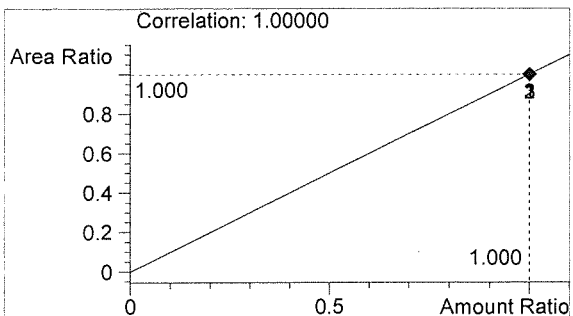
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	726	1.022
2	n-Propanol	1610	1.749



Ethanol 0.101 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: 2/11/2016 5:01:53 PM

Sample Name: 16003-2

Instrument: HSGC#3

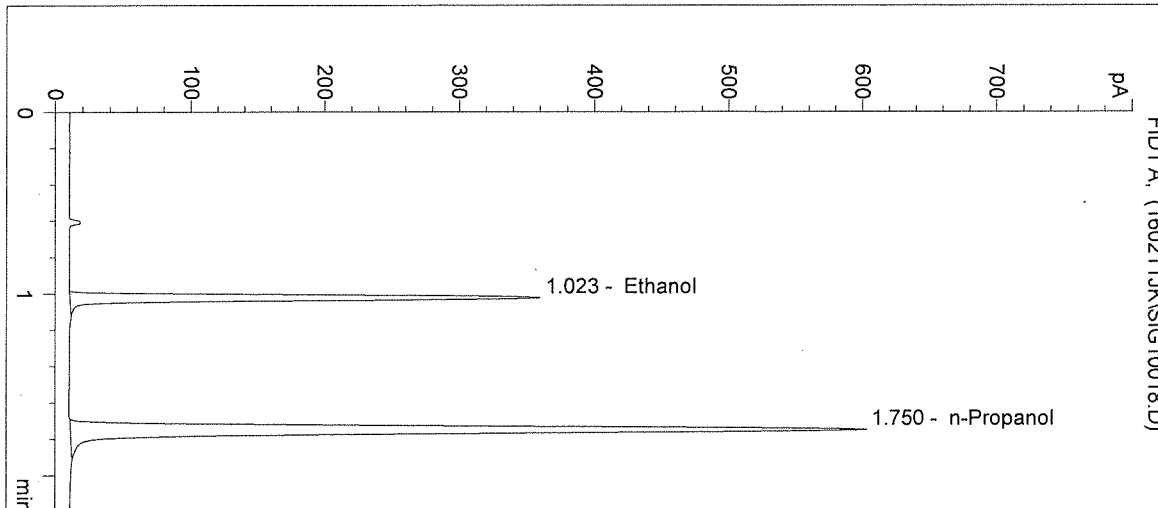
Operator: Justin Knoy

Column: DB-ALC2

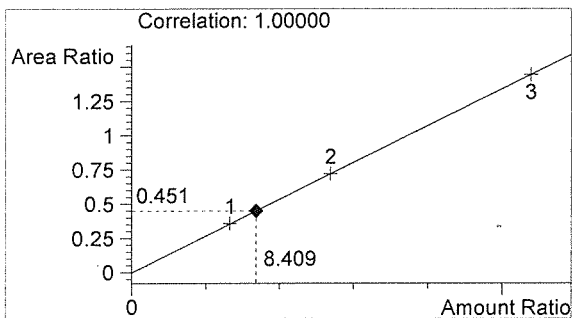
Location: Vial 18

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

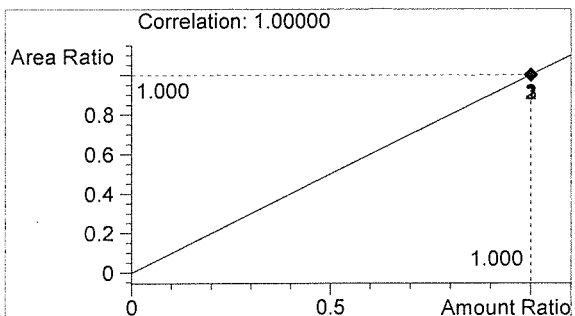
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	725	1.023
2	n-Propanol	1607	1.750



Ethanol 0.101 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: 2/11/2016 5:05:07 PM

Sample Name: 16003-3

Instrument: HSGC#3

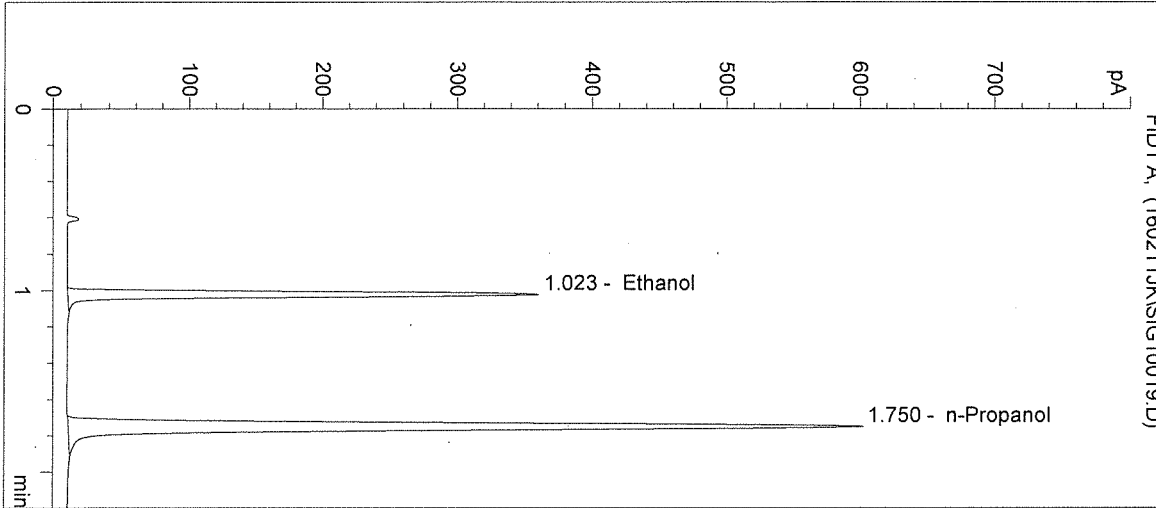
Operator: Justin Knoy

Column: DB-ALC2

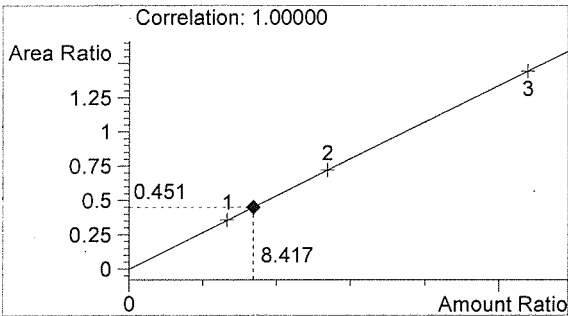
Location: Vial 19

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

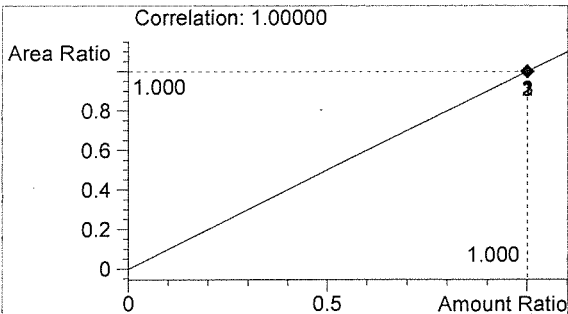
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	723	1.023
2	n-Propanol	1602	1.750



Ethanol 0.101 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: 2/11/2016 5:08:20 PM

Sample Name: 16003-4

Instrument: HSGC#3

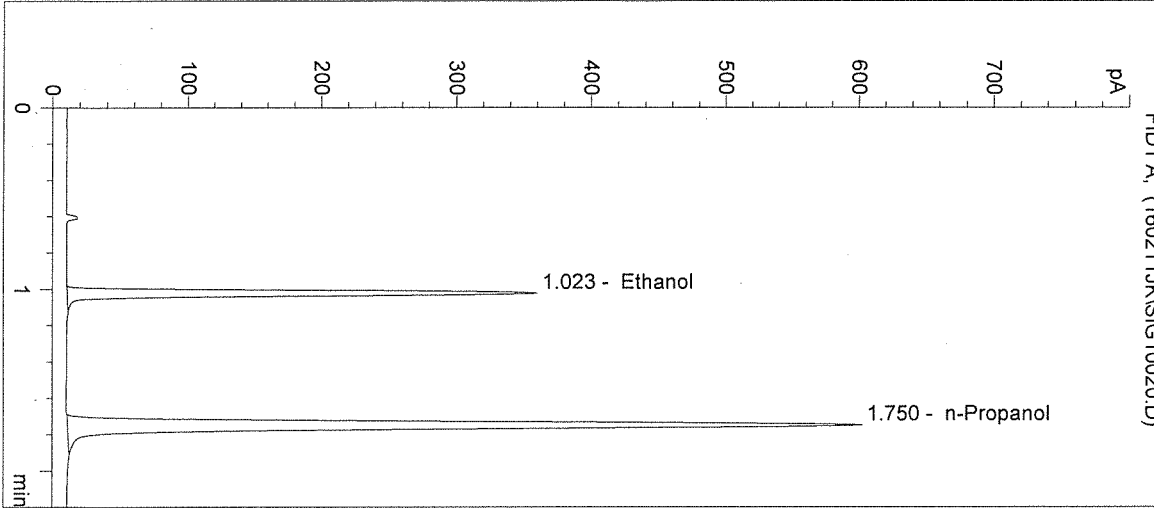
Operator: Justin Knoy

Column: DB-ALC2

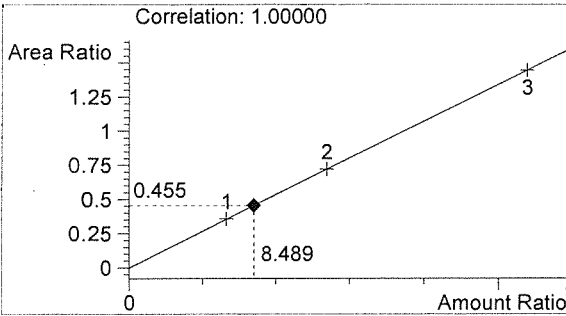
Location: Vial 20

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

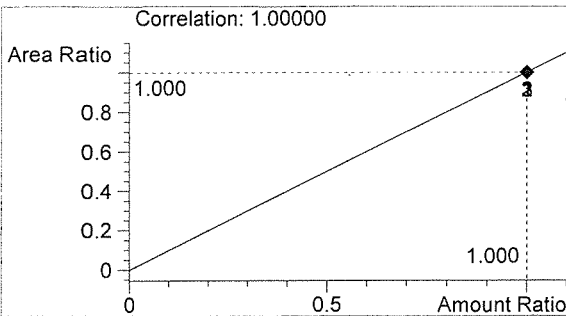
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.023
2	n-Propanol	1606	1.750



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/11/2016 5:11:33 PM

Sample Name: 16003-5

Instrument: HSGC#3

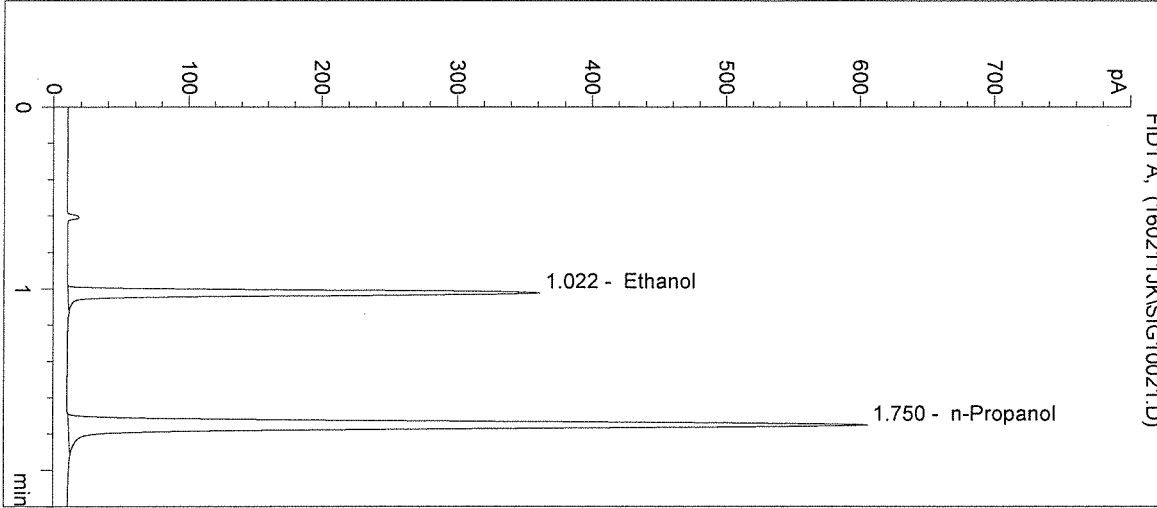
Operator: Justin Knoy

Column: DB-ALC2

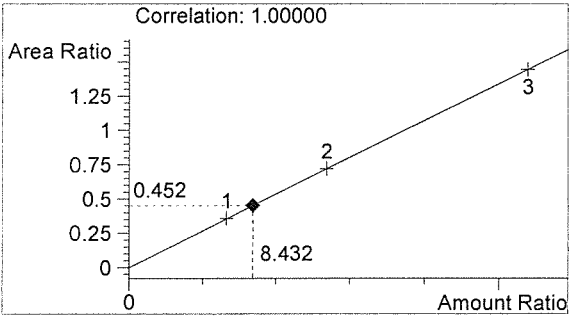
Location: Vial 21

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

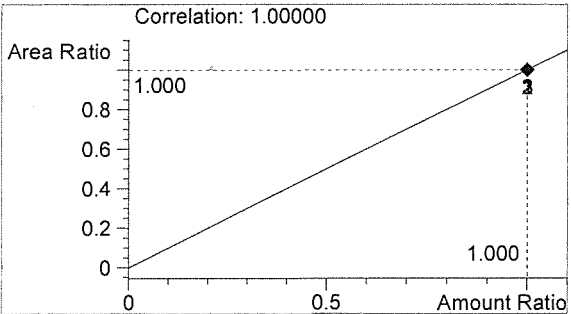
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	730	1.022
2	n-Propanol	1614	1.750



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/11/2016 5:14:47 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

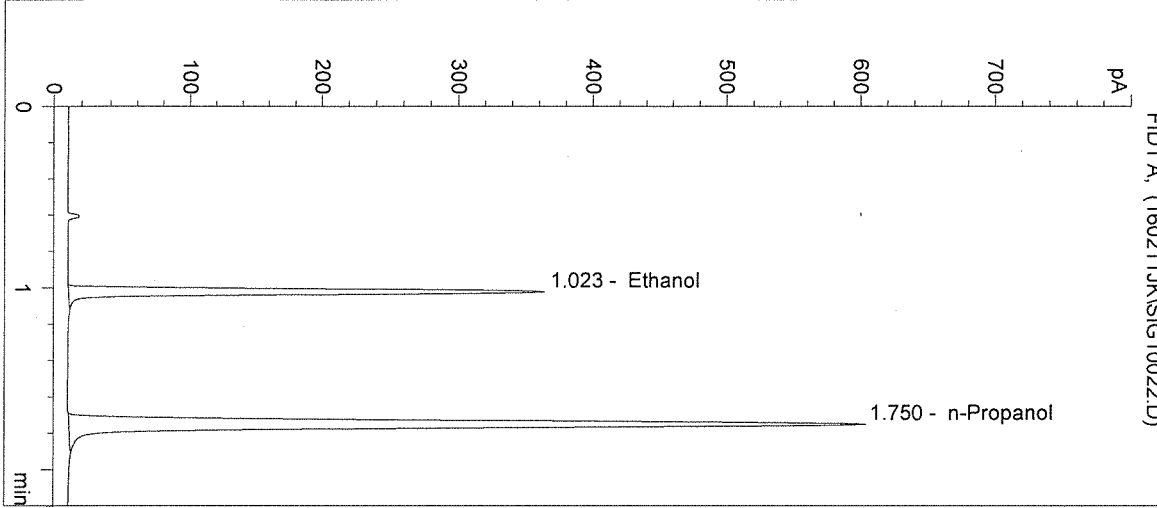
Operator: Justin Knoy

Column: DB-ALC2

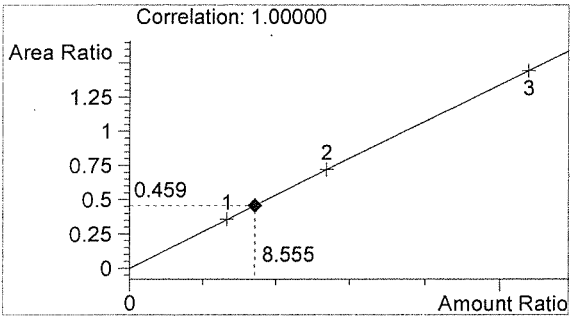
Location: Vial 22

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

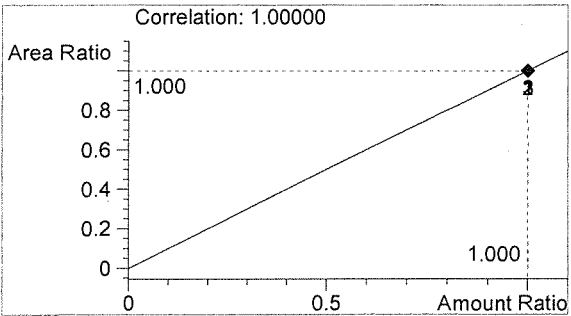
Sample Info: 0.10g/100mL ; 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	739	1.023
2	n-Propanol	1610	1.750



Ethanol 0.103 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: 2/11/2016 5:18:00 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

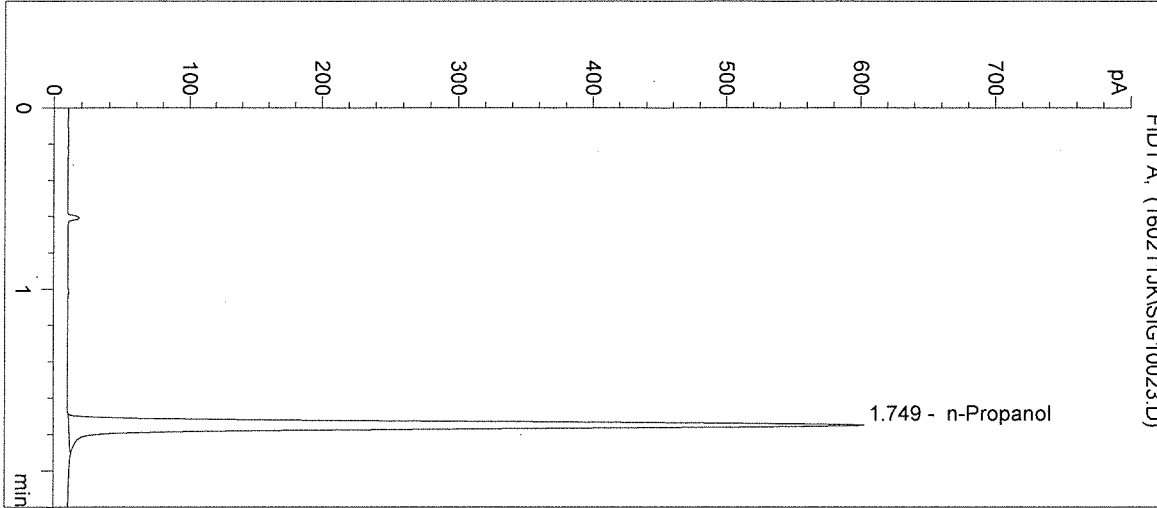
Operator: Justin Knoy

Column: DB-ALC2

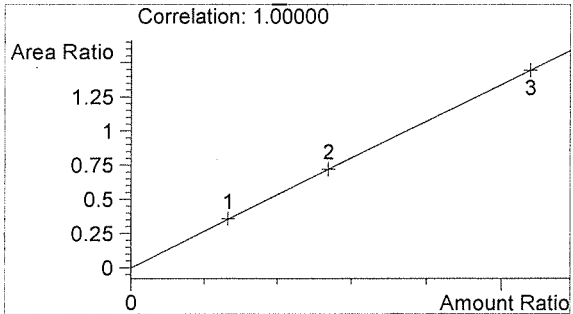
Location: Vial 23

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

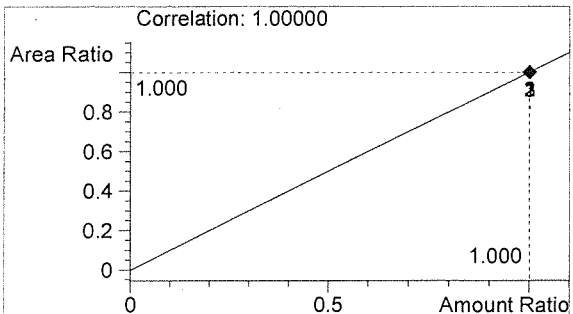
Sample Info: 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1607	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: Andrew Gingras *Sequence run by: AG 3/10/16*

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		

16003
AG 3/17/16

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!

16003
In 3/17/16

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

Inj. Date: 2/12/2016 9:08:25 AM

Sample Name: 16003-1

Instrument: HSGC#3

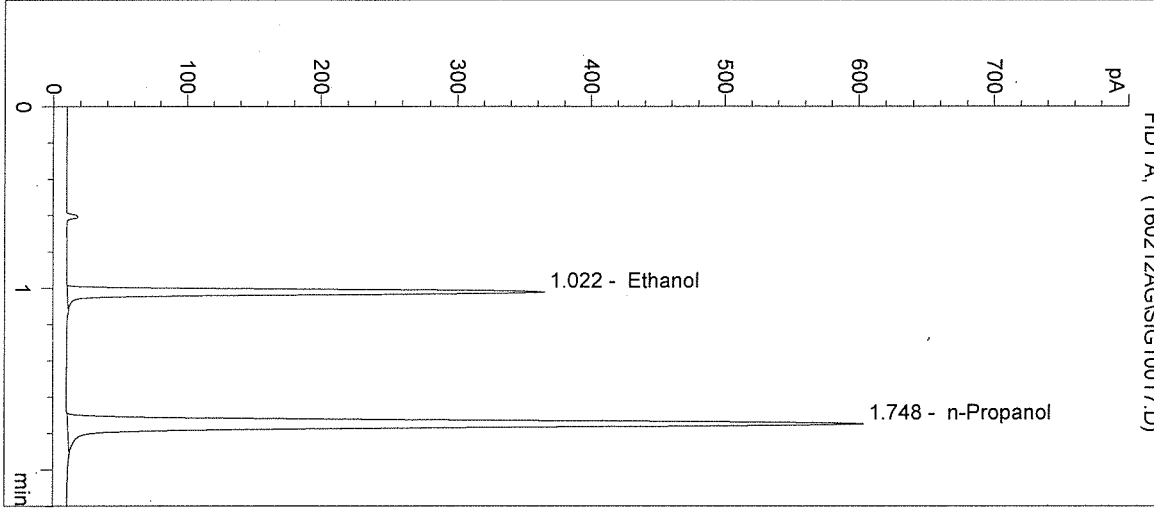
Operator: Andrew Gingras

Column: DB-ALC2

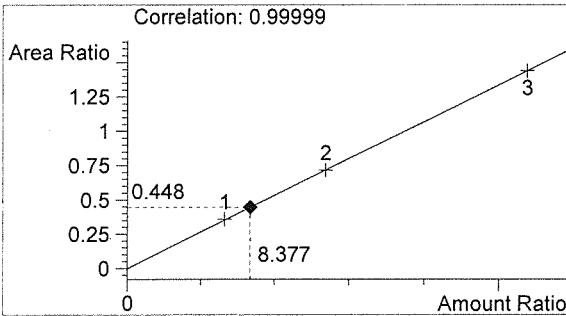
Location: Vial 17

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

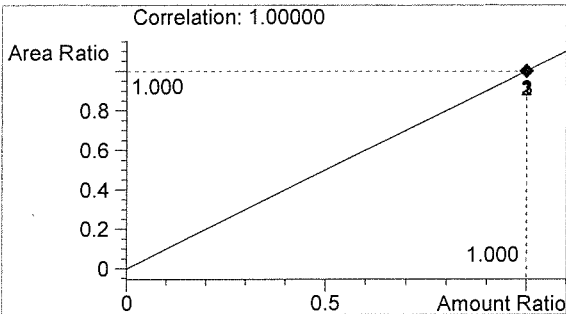
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	720	1.022
2	n-Propanol	1605	1.748



Ethanol 0.101 g/100mL



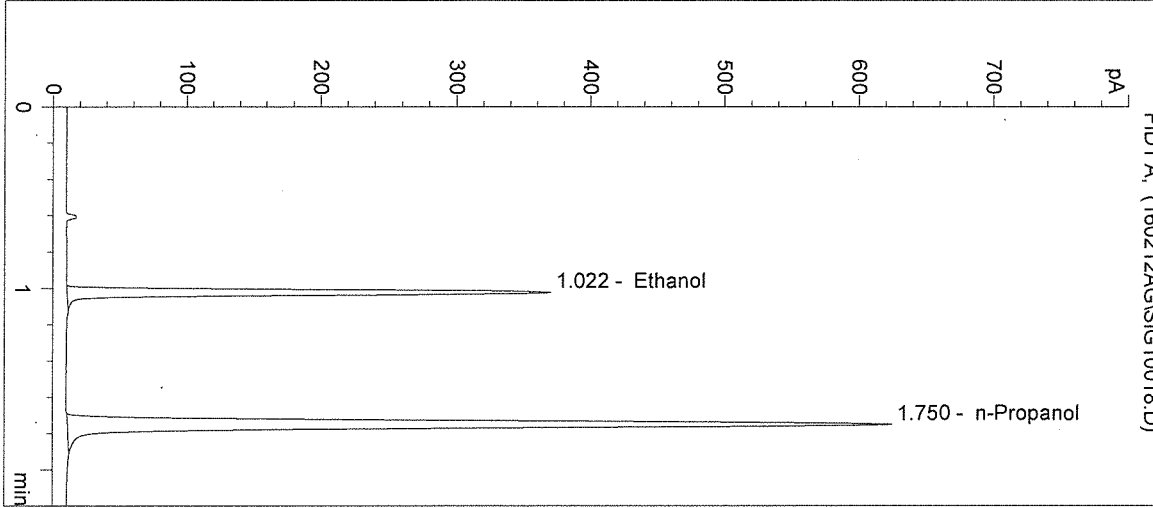
n-Propanol 0.012 g/100mL

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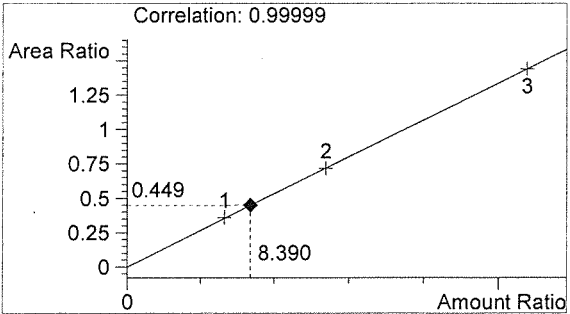
Handwritten signature

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

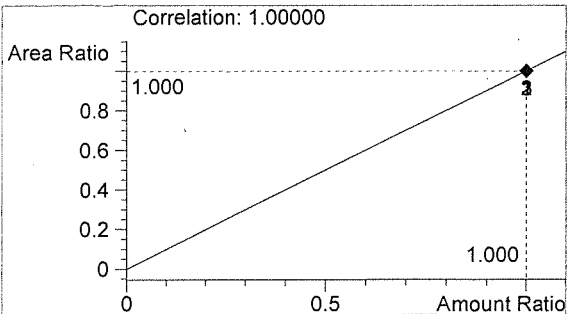
Inj. Date: 2/12/2016 9:11:38 AM Sample Name: 16003-2
 Instrument: HSGC#3 Operator: Andrew Gingras
 Column: DB-ALC2 Location: Vial 18
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	750	1.022
2	n-Propanol	1670	1.750



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/12/2016 9:14:51 AM

Sample Name: 16003-3

Instrument: HSGC#3

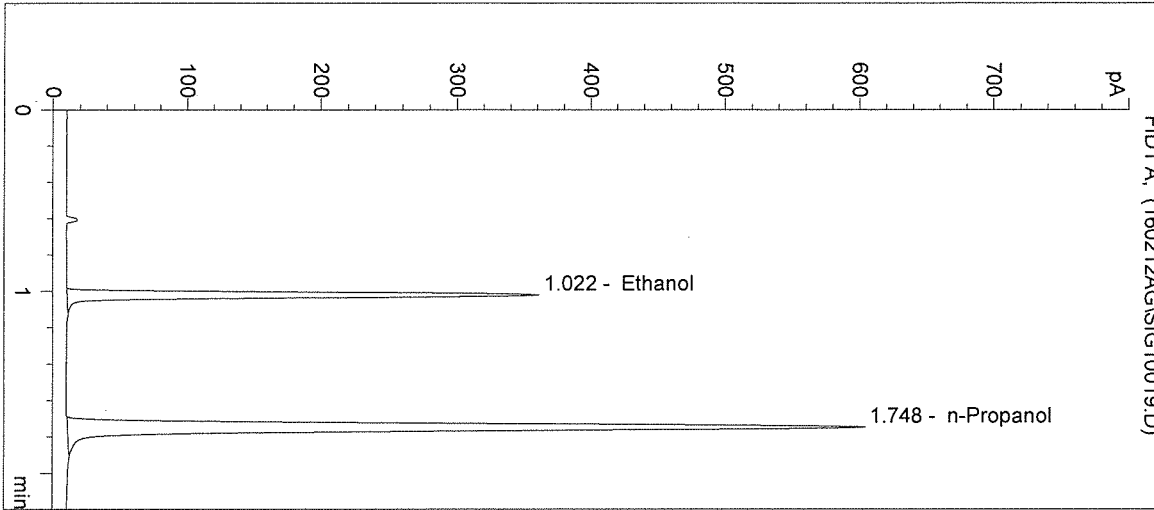
Operator: Andrew Gingras

Column: DB-ALC2

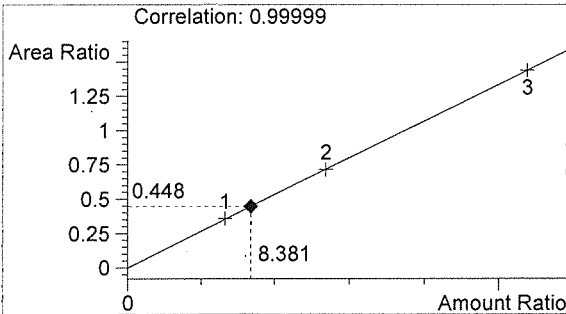
Location: Vial 19

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

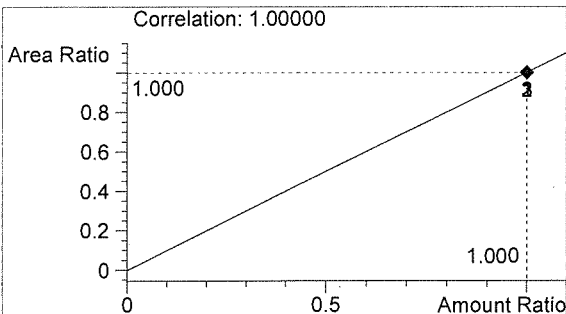
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	722	1.022
2	n-Propanol	1611	1.748



Ethanol 0.101 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 9:18:05 AM

Sample Name: 16003-4

Instrument: HSGC#3

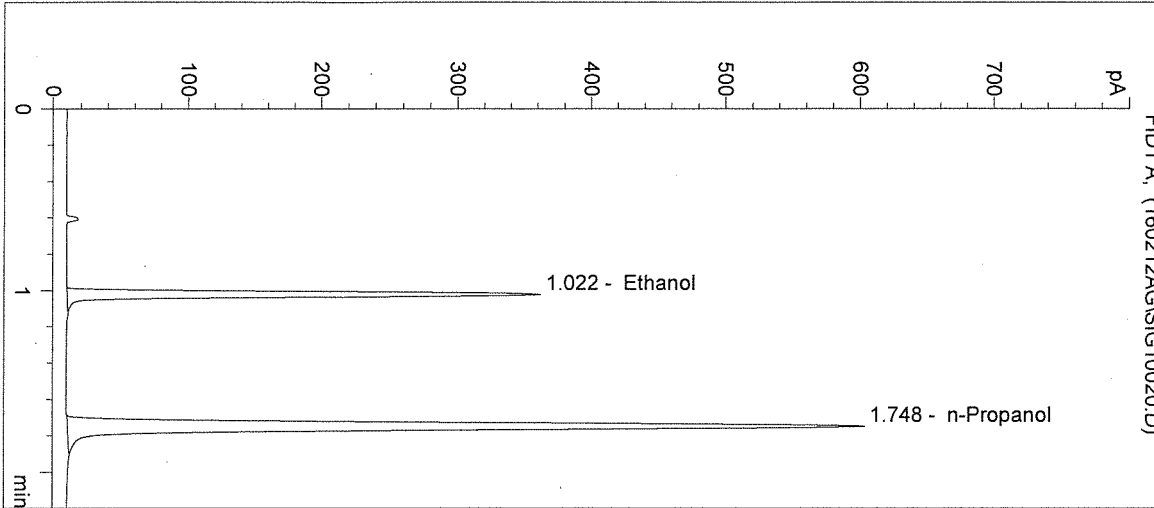
Operator: Andrew Gingras

Column: DB-ALC2

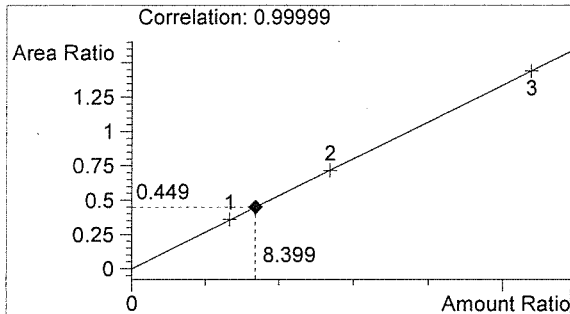
Location: Vial 20

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

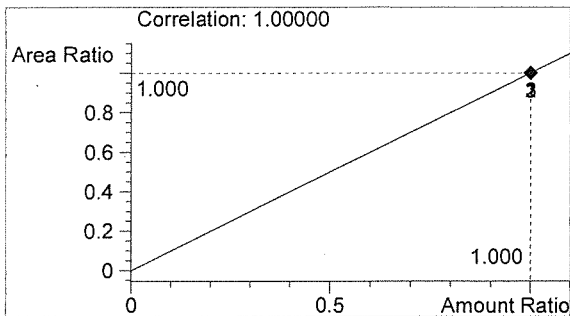
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	722	1.022
2	n-Propanol	1606	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/12/2016 9:21:19 AM

Sample Name: 16003-5

Instrument: HSGC#3

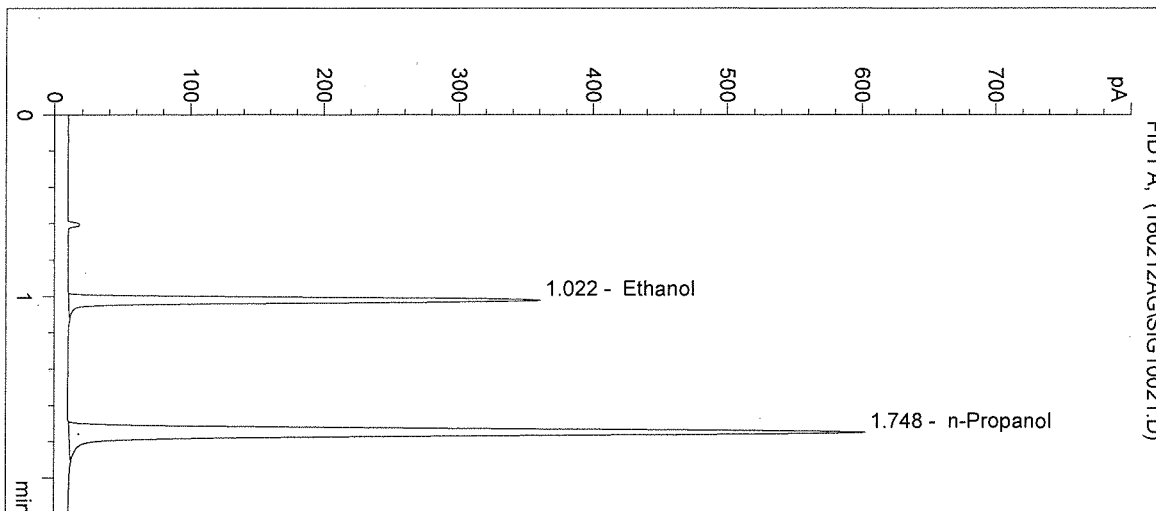
Operator: Andrew Gingras

Column: DB-ALC2

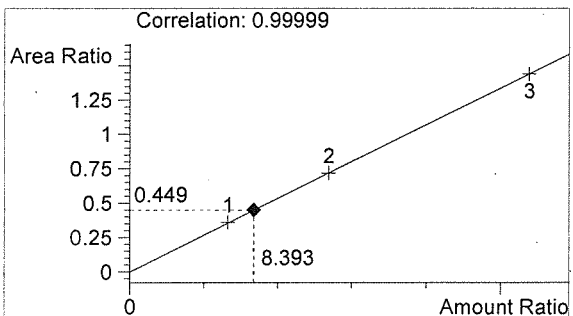
Location: Vial 21

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

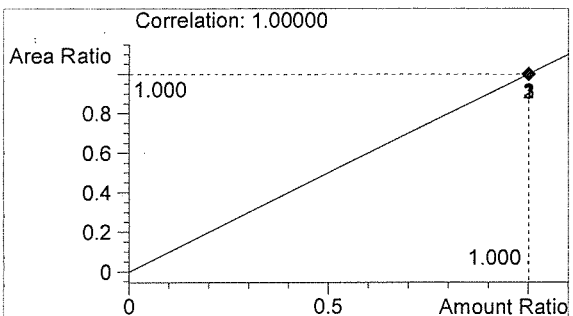
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	722	1.022
2	n-Propanol	1608	1.748



Ethanol 0.101 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 9:24:32 AM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

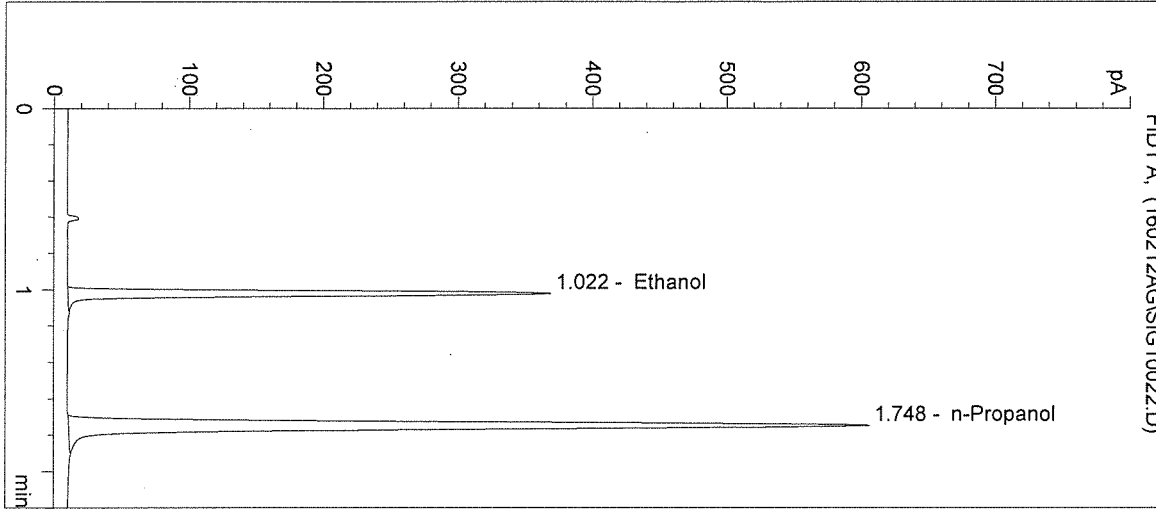
Operator: Andrew Gingras

Column: DB-ALC2

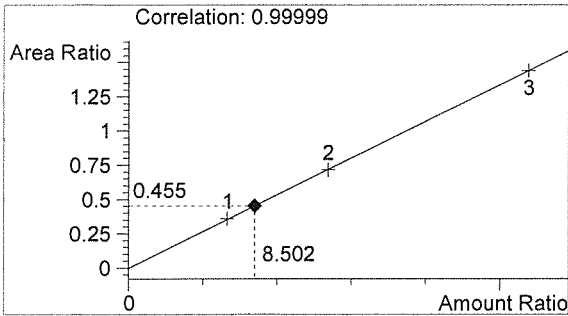
Location: Vial 22

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

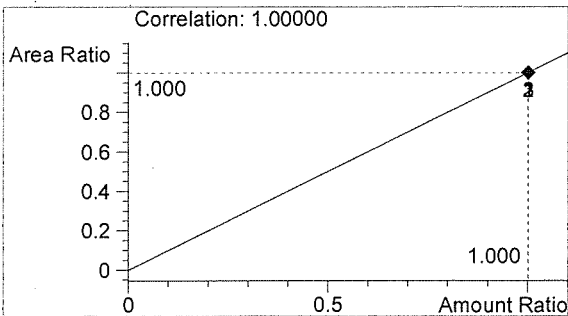
Sample Info: 0.10g/100mL ; 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	735	1.022
2	n-Propanol	1616	1.748



Ethanol 0.102 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 9:27:45 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

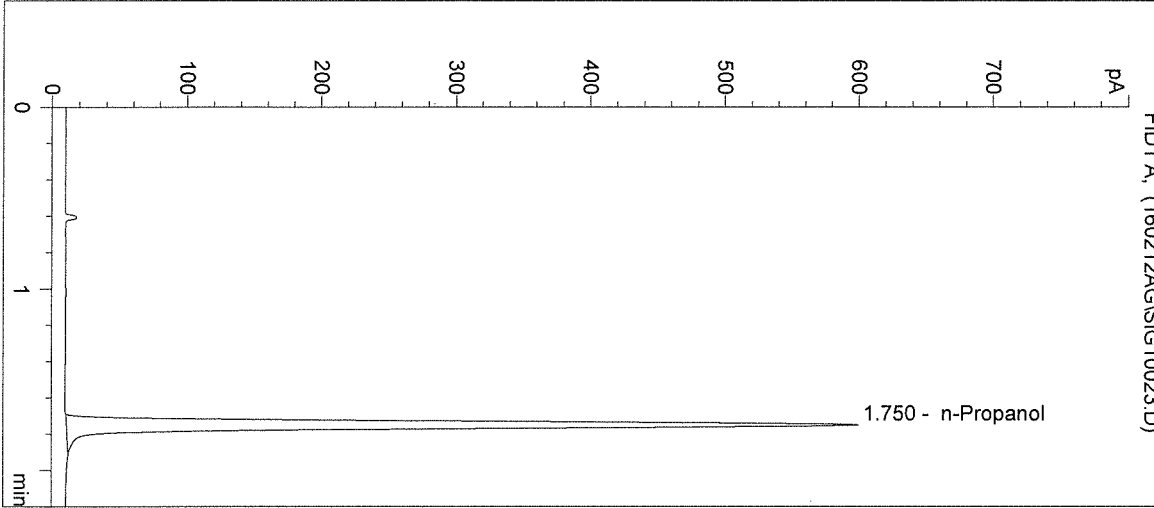
Operator: Andrew Gingras

Column: DB-ALC2

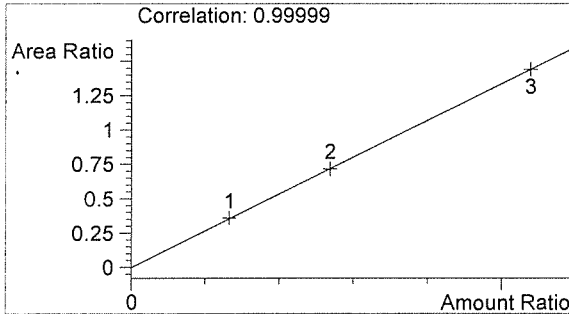
Location: Vial 23

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

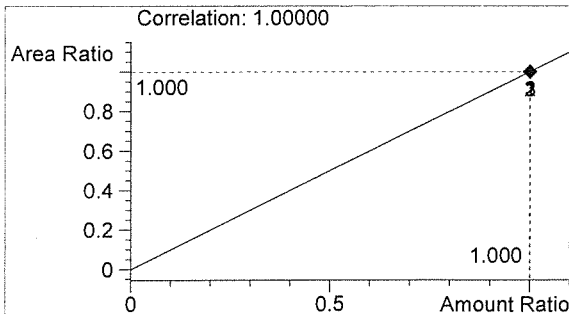
Sample Info: 16003



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1604	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

hg

hg