



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17016

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.15 g/210L
DATE PREPARED: 01/28/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Christopher S. Johnston

	CSJ	KH	AG
1	0.189	0.187	0.188
2	0.190	0.189	0.190
3	0.190	0.187	0.189
4	0.190	0.186	0.189
5	0.192	0.183	0.187
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: 0.1884 g/100mL PRECISION CV (%): 1.15
STANDARD DEVIATION: 0.00216 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1532 g/210L**
EXPANDED UNCERTAINTY: ± 0.0038 (k=2, 95.45% confidence interval)


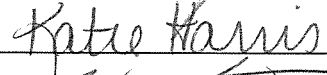
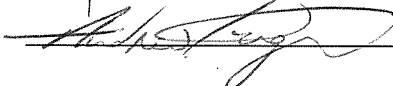
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Brianne E. O'Reilly Technical Lead

3.6.17

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
CSJ	Christopher S. Johnston		02/02/2017
KH	Katie Harris		01/28/2017
AG	Andrew Gingras		02/02/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 3-14-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17016

	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: 3-14-17

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

QAP Solution Batch #: 17016

Date Prepared: 1/28/2017

Analyst:	CSJ	KH	AG
Date Tested:	2/2/2017	1/28/2017	2/2/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.189	0.187	0.188
2	0.190	0.189	0.190
3	0.190	0.187	0.189
4	0.190	0.186	0.189
5	0.192	0.183	0.187
C	0.103	0.101	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000088008	0.0000320390	0.0001016326

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

Average Solution Concentration: 0.1884 g/100mL
Standard Deviation: 0.00216 g/100mL
Precision CV (%): 1.15
Equivalent Vapor Concentration: 0.1532 g/210L
Combined Standard Uncertainty (\pm): 0.0019 g/210L
Expanded Uncertainty (\pm): 0.0038 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne E. O'Reilly 3.3.17
Name Signature Date

Calculations verified by: Amanda M. Black ASL 3-14-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brianne E. O'Reilly Brianne E. O'Reilly 3.3.17
Name Signature Date

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras	<i>AG</i>	3/3/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston	<i>CJ</i>	3/3/17
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris	<i>KH</i>	3/3/17
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17016
BUO 3-3-17

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17016**

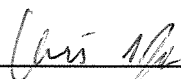
I, Christopher S. Johnston, do certify under penalty of perjury that:

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 and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17016, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA



Christopher S. Johnston 3/3/2017
Forensic Toxicologist 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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17016**

I, Katie Harris, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17016, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA

Katie Harris 3/3/17

Katie Harris

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17016**

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 17016, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA

 3/3/2017

Andrew Gingras

Date

Forensic Scientist



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

Preparation Date: 1/28/2017 Expiration Date: 1/28/2018 Initials of Preparer: CJ

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 1/7/2017

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: [checked]

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	[]	
QAP 0.08	22.4	18	[]	
QAP 0.10	28.1	18	[]	
QAP 0.15	42.1	18	[X]	17015
QAP 0.20 ^{0.15}	56.4 ^{42.1}	18	[X]	17016
ESS	66.5	52	[]	

Stir bar is rotating [checked]

Stirred for minimum 30 minutes; 2 hours for ESS [checked]

Spigot purged [checked]

Aliquot taken [checked]

Batch labeled, packaged and sealed [checked]

1/28/2017 CJ 1/28/17 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: [blank lines]

Analyst Signature [Signature]

1/28/2017 Date

17016 Puro 3.3.17

Sequence Parameters:

Operator: Chris Johnston
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170202CJ
 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: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0117 - X: 04/20/17

 Calibration vials 1-9 filed with 17015

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17016
 P010 3-3-17

W

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17016
RUC 3.3.17

W U

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

Inj. Date: 2/2/2017 5:07:14 PM

Sample Name: 17016 #1

Instrument: HSGC#1

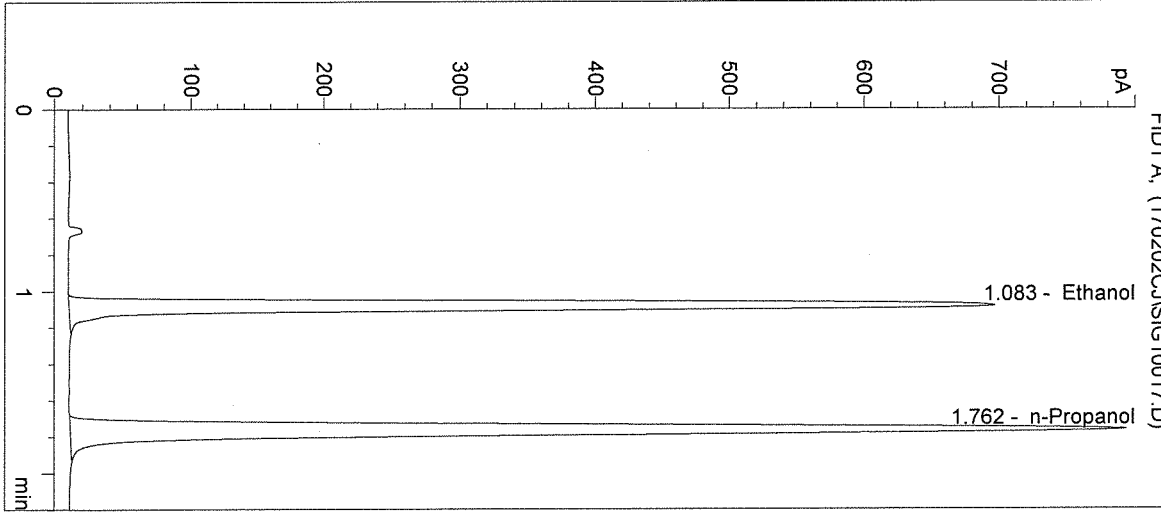
Operator: Chris Johnston

Column: DB-ALC1

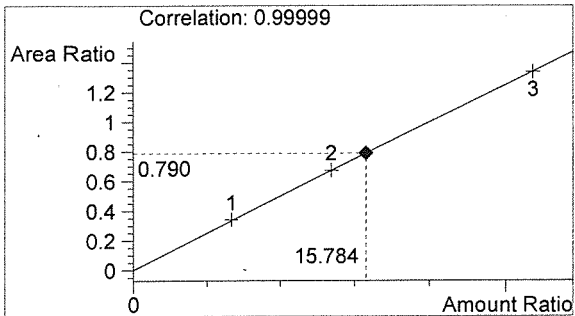
Location: Vial 17

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

Sample Info:

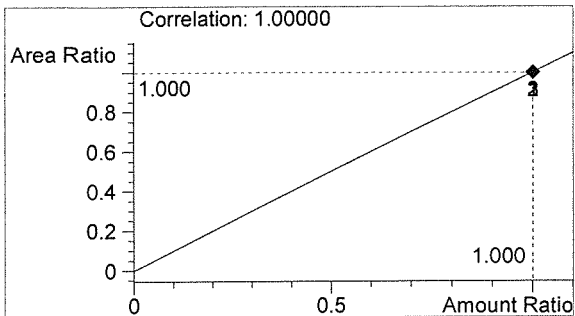


#	Compound	Peak Area	RT (min)
1	Ethanol	2319	1.083
2	n-Propanol	2935	1.762



Ethanol 0.189 g/100mL

AW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 5:10:27 PM

Sample Name: 17016 #2

Instrument: HSGC#1

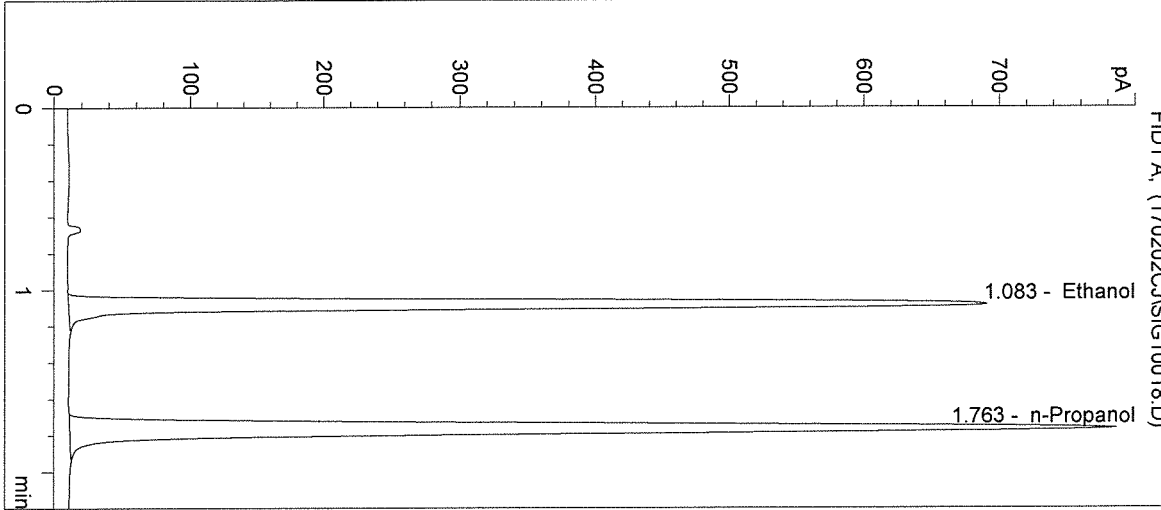
Operator: Chris Johnston

Column: DB-ALC1

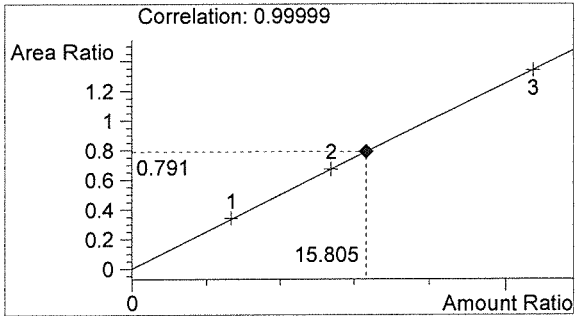
Location: Vial 18

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

Sample Info:

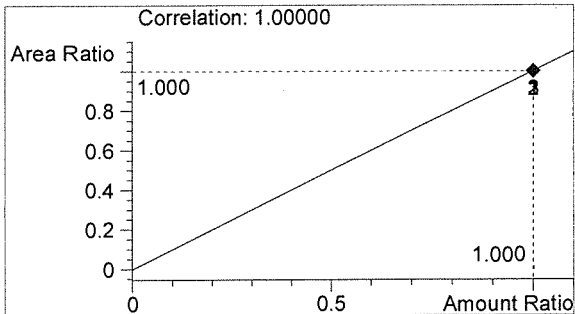


#	Compound	Peak Area	RT (min)
1	Ethanol	2310	1.083
2	n-Propanol	2921	1.763



Ethanol 0.190 g/100mL

Handwritten initials: BW



n-Propanol 0.012 g/100mL

Handwritten mark: W

Inj. Date: 2/2/2017 5:13:40 PM

Sample Name: 17016 #3

Instrument: HSGC#1

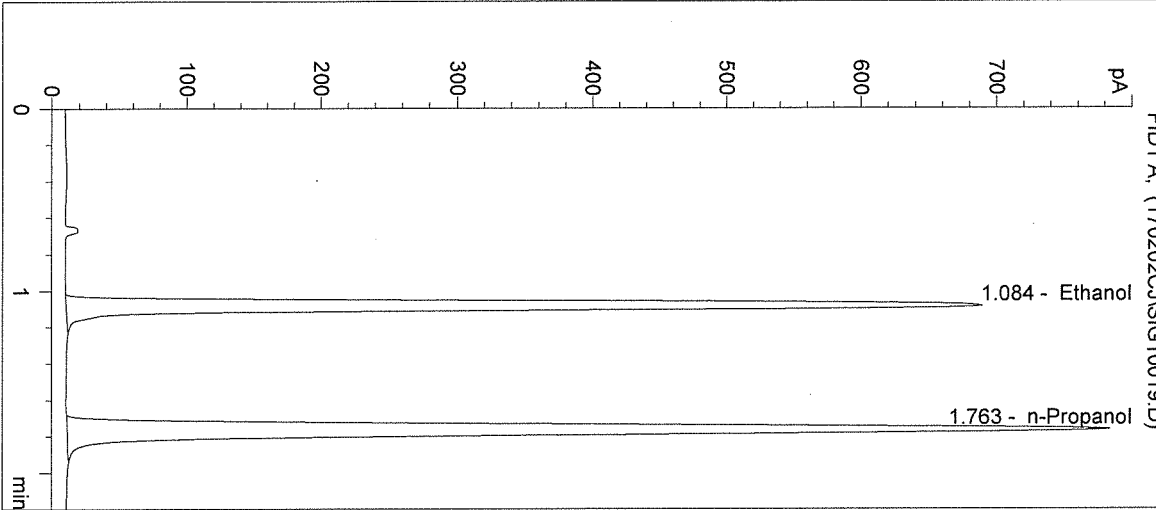
Operator: Chris Johnston

Column: DB-ALC1

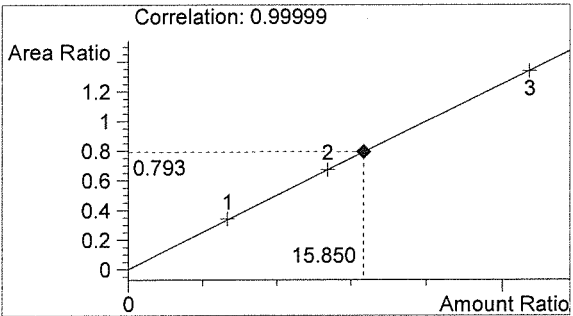
Location: Vial 19

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

Sample Info:

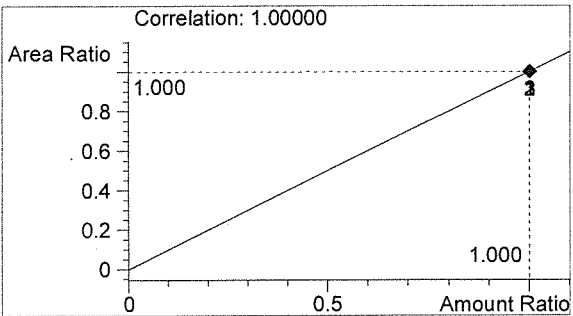


#	Compound	Peak Area	RT (min)
1	Ethanol	2313	1.084
2	n-Propanol	2916	1.763



Ethanol 0.190 g/100mL

BCW



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 5:16:54 PM

Sample Name: 17016 #4

Instrument: HSGC#1

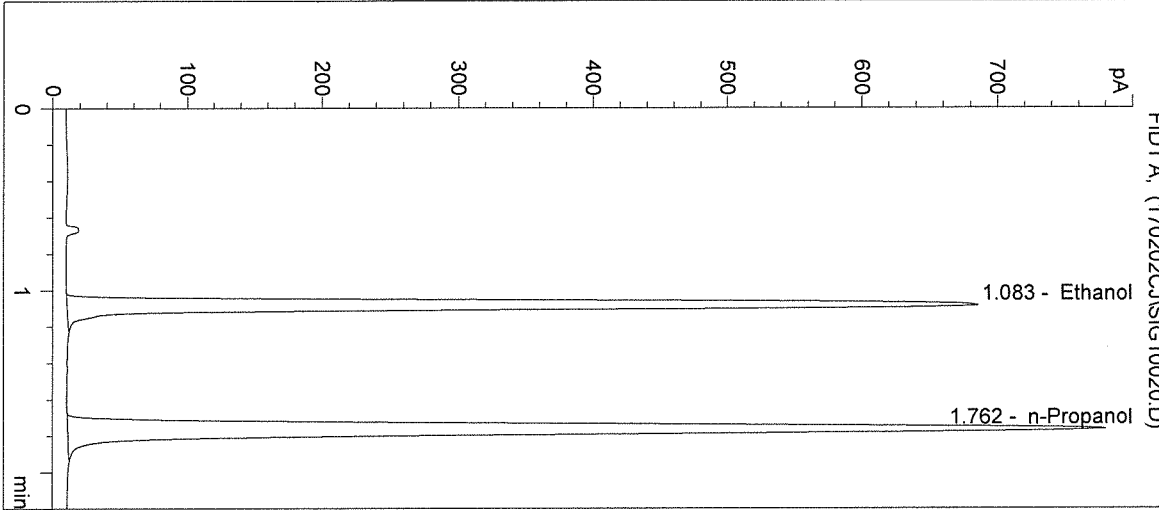
Operator: Chris Johnston

Column: DB-ALC1

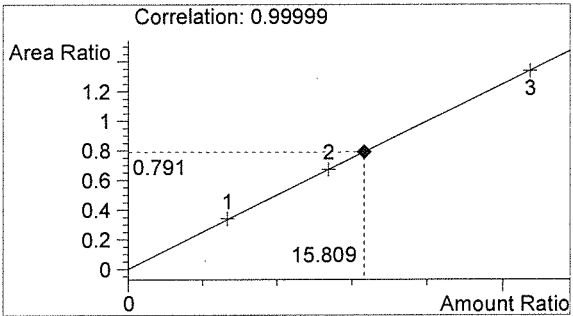
Location: Vial 20

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

Sample Info:

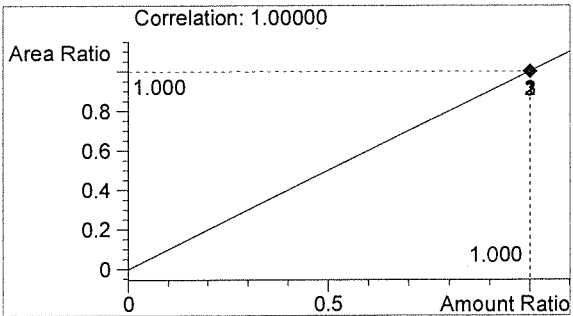


#	Compound	Peak Area	RT (min)
1	Ethanol	2289	1.083
2	n-Propanol	2893	1.762



Ethanol 0.190 g/100mL

AW



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 5:20:07 PM

Sample Name: 17016 #5

Instrument: HSGC#1

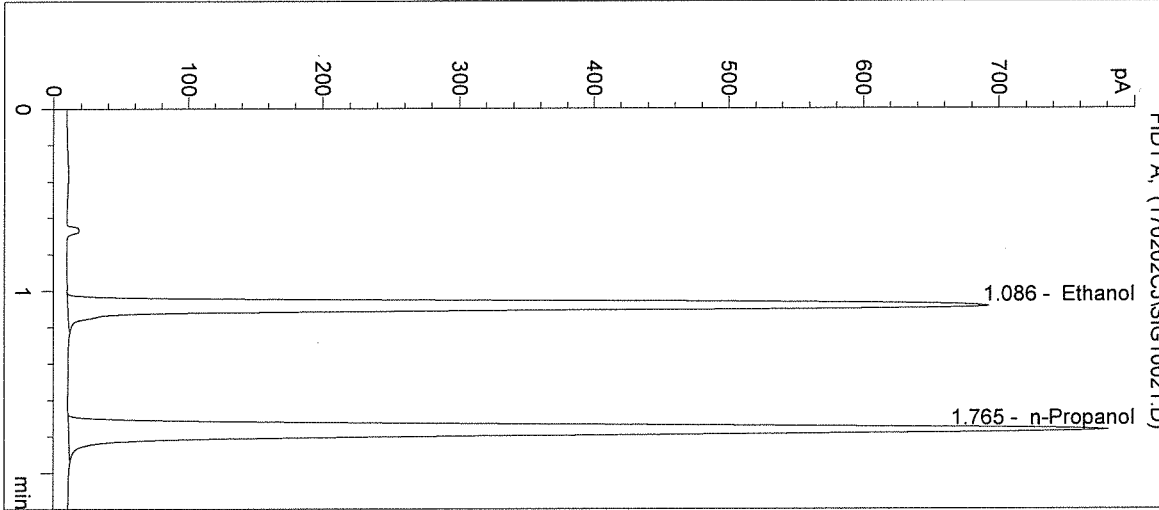
Operator: Chris Johnston

Column: DB-ALC1

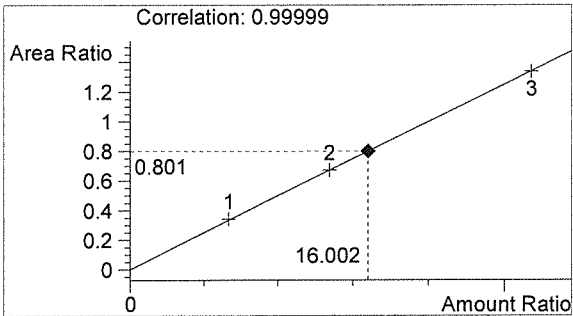
Location: Vial 21

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

Sample Info:

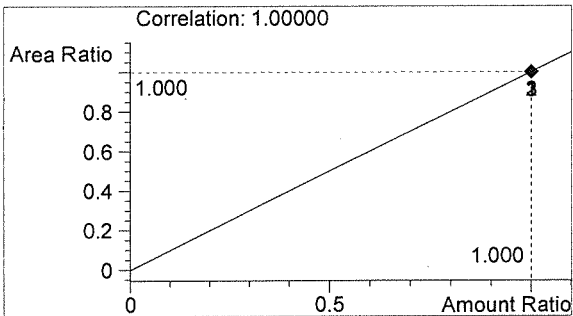


#	Compound	Peak Area	RT (min)
1	Ethanol	2329	1.086
2	n-Propanol	2909	1.765



Ethanol 0.192 g/100mL

AWO



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 5:23:20 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

Operator: Chris Johnston

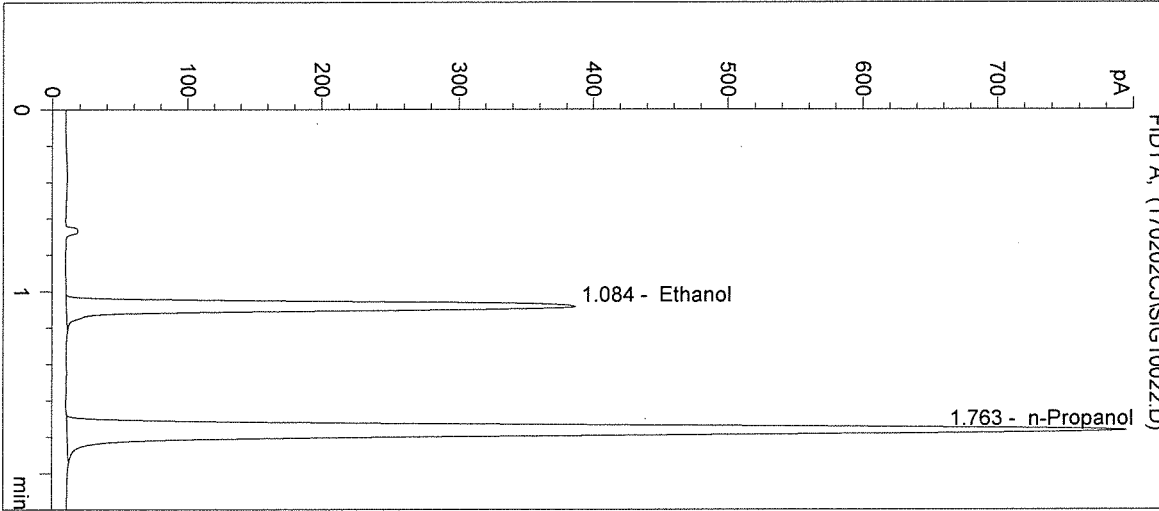
Column: DB-ALC1

Location: Vial 22

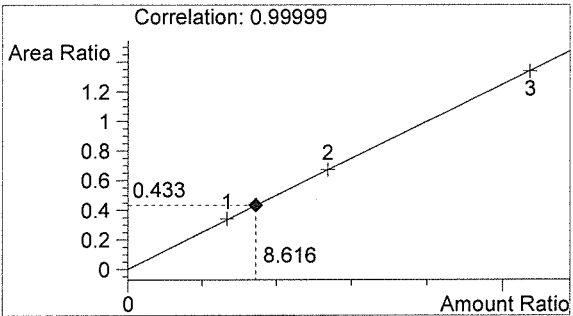
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: POS CTRL: 0.10 g/100mL
 17016

->

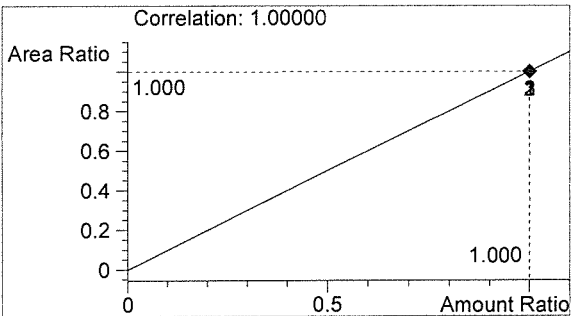


#	Compound	Peak Area	RT (min)
1	Ethanol	1277	1.084
2	n-Propanol	2951	1.763



Ethanol 0.103 g/100mL

Raw



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 5:26:34 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

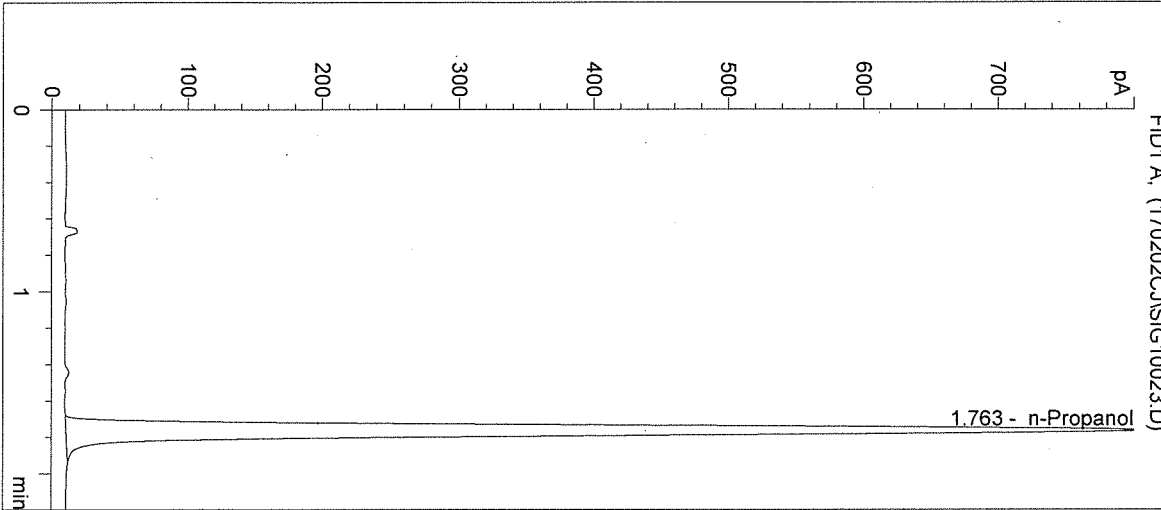
Operator: Chris Johnston

Column: DB-ALC1

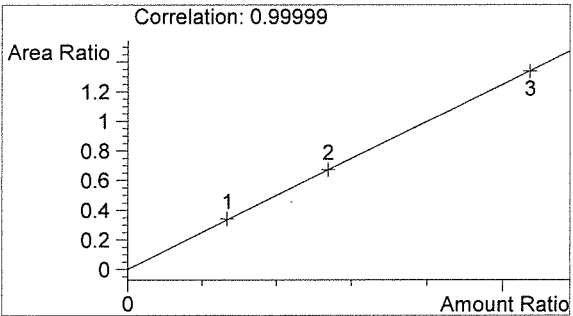
Location: Vial 23

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

Sample Info: 17016

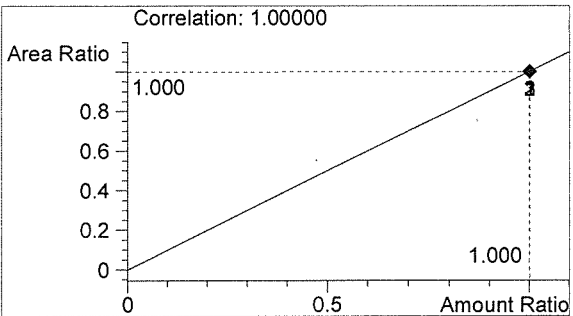


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3002	1.763



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

W

Sequence Parameters:

Operator: Katie Harris

Data File Naming: Prefix/Counter

Signal 1 Prefix: SIG1
Counter: 0001

Signal 2 Prefix: SIG2
Counter: 0001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 170128KH

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: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

n-Propanol ISTD - Lot: P0117 - X: 04/20/17

Calibration vials 1-9 filed with 17015

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17016
 BALO 3-3-17

KH

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17016
BW 3.3.17

KH

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

Inj. Date: 1/28/2017 12:19:00 PM

Sample Name: 17016 #1

Instrument: HSGC#1

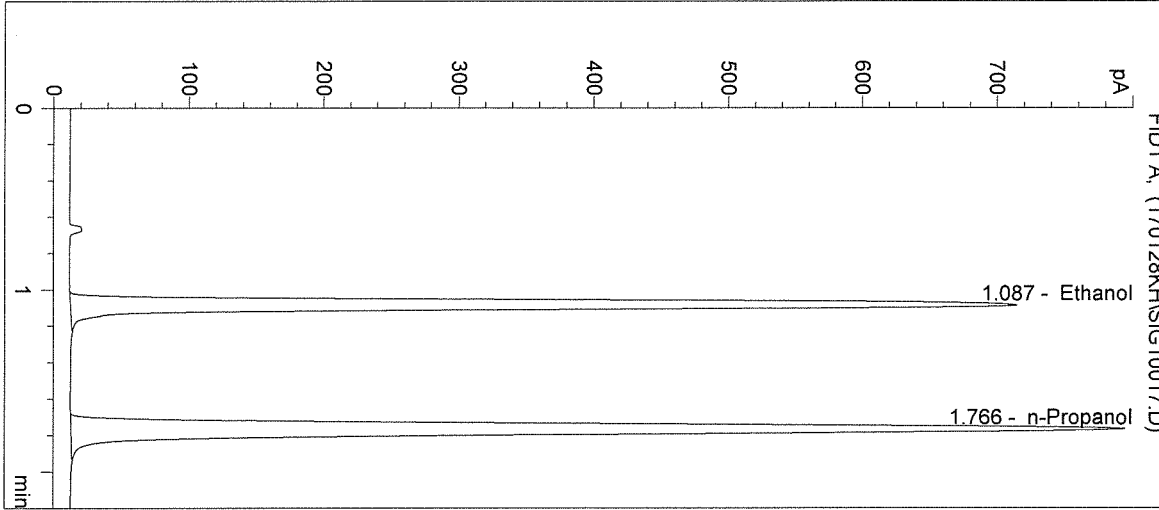
Operator: Katie Harris

Column: DB-ALC1

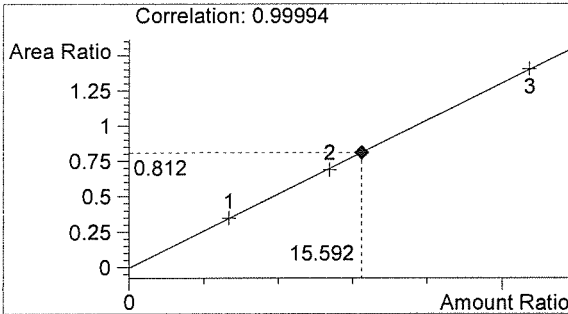
Location: Vial 17

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

Sample Info:

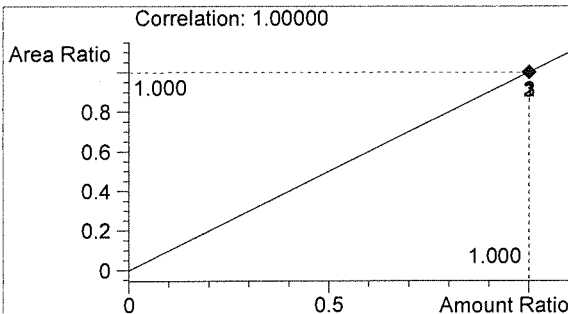


#	Compound	Peak Area	RT (min)
1	Ethanol	2426	1.087
2	n-Propanol	2987	1.766



Ethanol 0.187 g/100mL

RAW



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 12:22:13 PM

Sample Name: 17016 #2

Instrument: HSGC#1

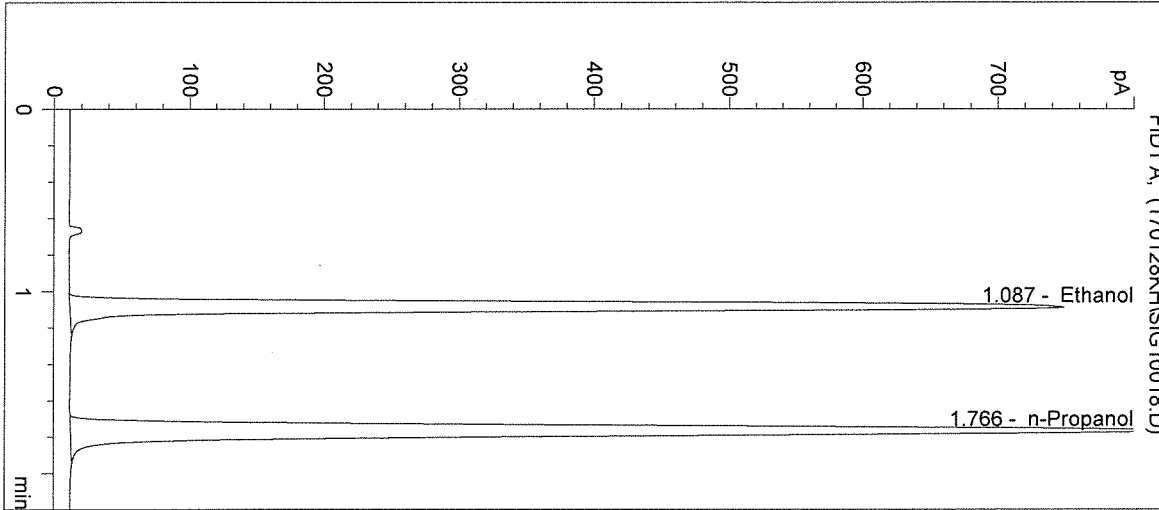
Operator: Katie Harris

Column: DB-ALC1

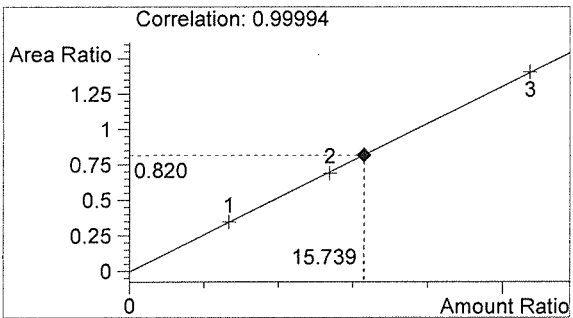
Location: Vial 18

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

Sample Info:

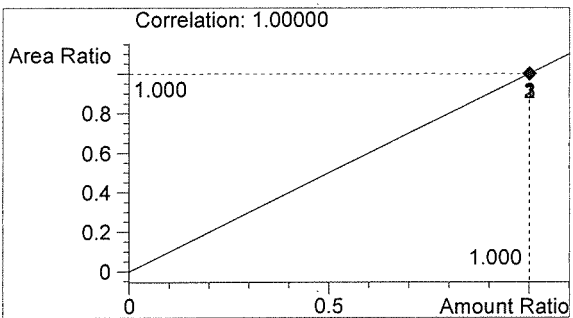


#	Compound	Peak Area	RT (min)
1	Ethanol	2562	1.087
2	n-Propanol	3124	1.766



Ethanol 0.189 g/100mL

BW



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 12:25:26 PM

Sample Name: 17016 #3

Instrument: HSGC#1

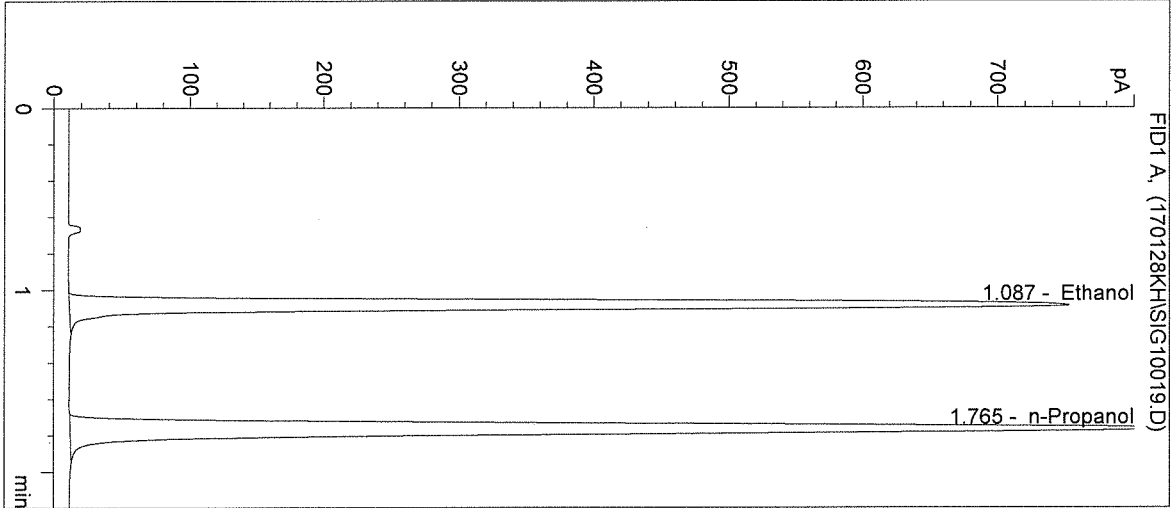
Operator: Katie Harris

Column: DB-ALC1

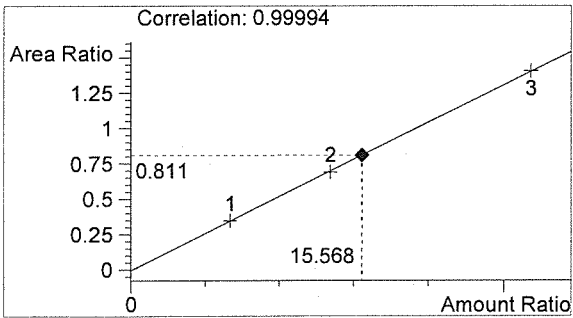
Location: Vial 19

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

Sample Info:

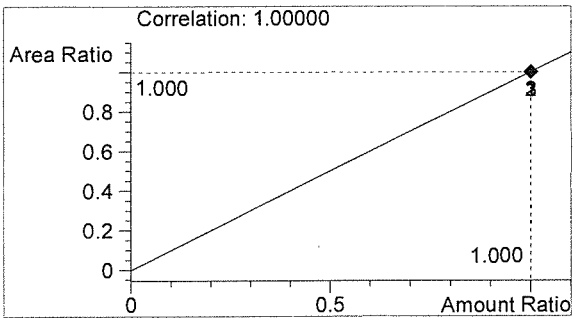


#	Compound	Peak Area	RT (min)
1	Ethanol	2567	1.087
2	n-Propanol	3165	1.765



Ethanol 0.187 g/100mL

AW



n-Propanol 0.012 g/100mL

KH

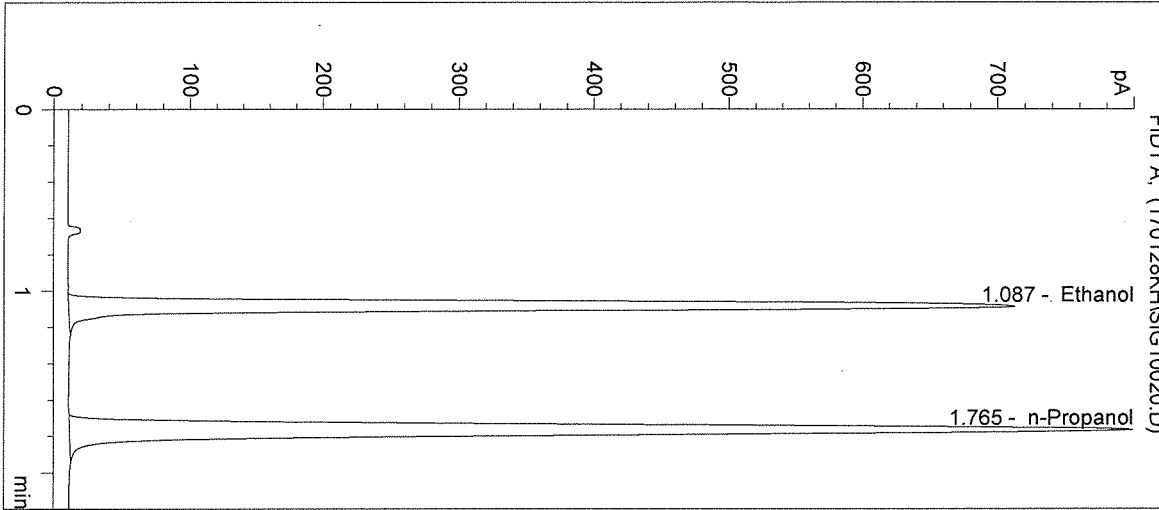
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/28/2017 12:28:40 PM
 Instrument: HSGC#1

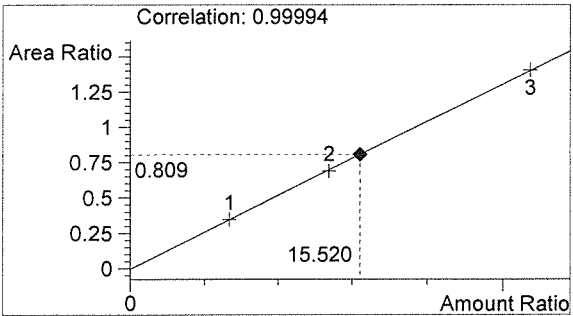
Sample Name: 17016 #4
 Operator: Katie Harris
 Location: Vial 20

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

Sample Info:

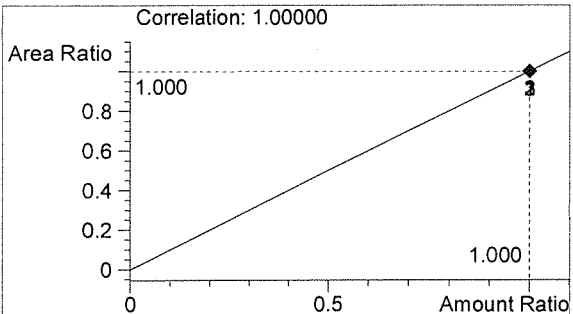


#	Compound	Peak Area	RT (min)
1	Ethanol	2425	1.087
2	n-Propanol	3000	1.765



Ethanol 0.186 g/100mL

Handwritten initials

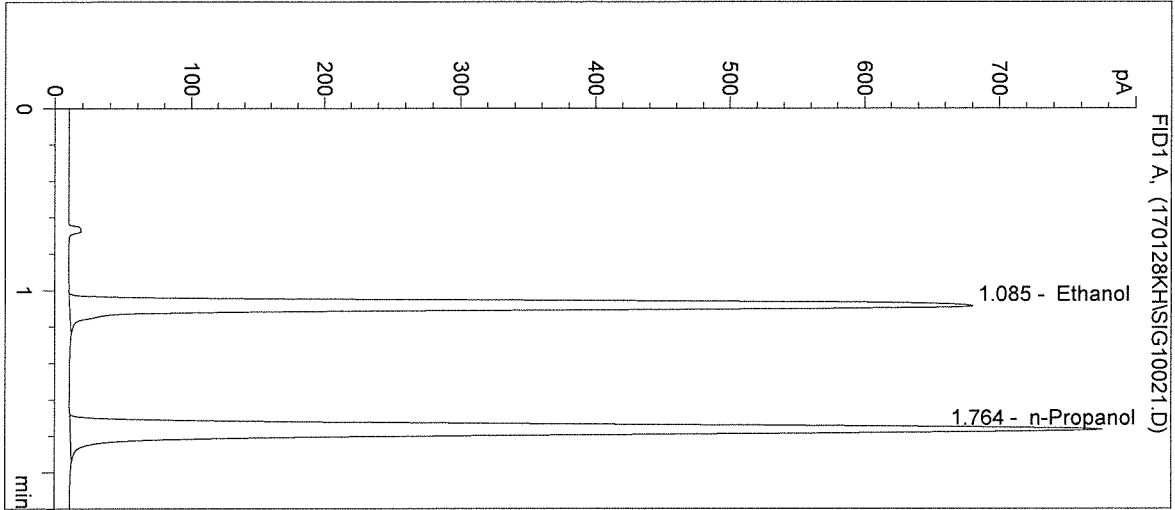


n-Propanol 0.012 g/100mL

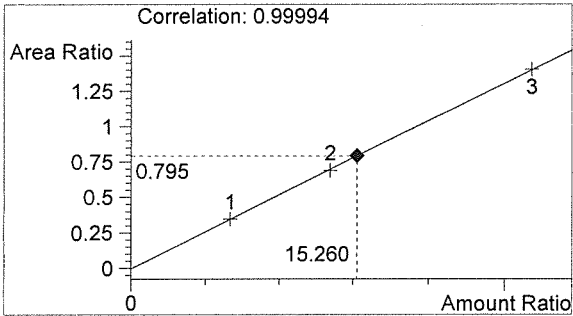
Handwritten initials

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

Inj. Date: 1/28/2017 12:31:53 PM Sample Name: 17016 #5
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 21
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

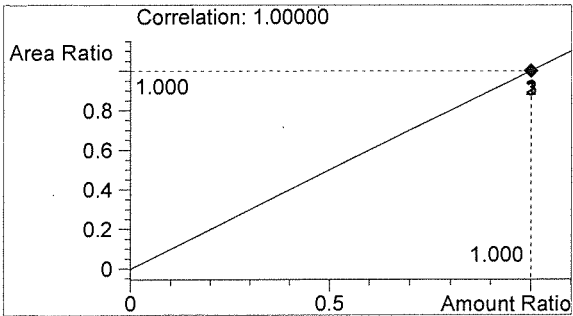


#	Compound	Peak Area	RT (min)
1	Ethanol	2308	1.085
2	n-Propanol	2903	1.764



Ethanol 0.183 g/100mL

AWW



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 12:35:06 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

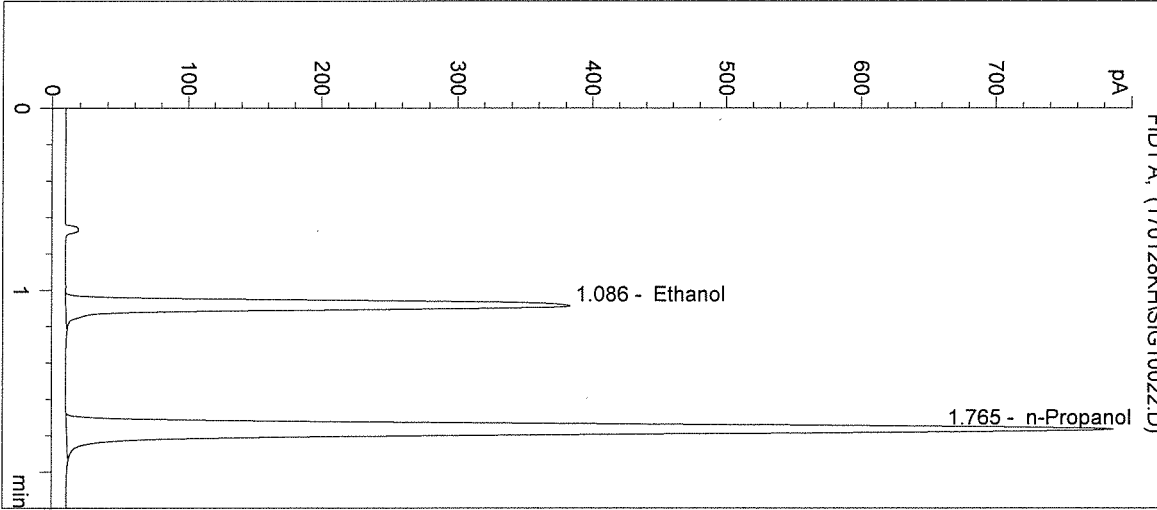
Operator: Katie Harris

Column: DB-ALC1

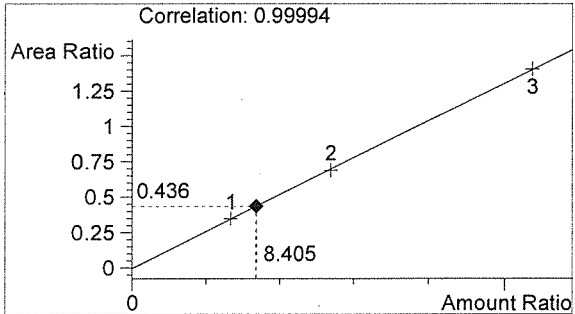
Location: Vial 22

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

Sample Info: POS CTRL: 0.10 g/100mL
 17016

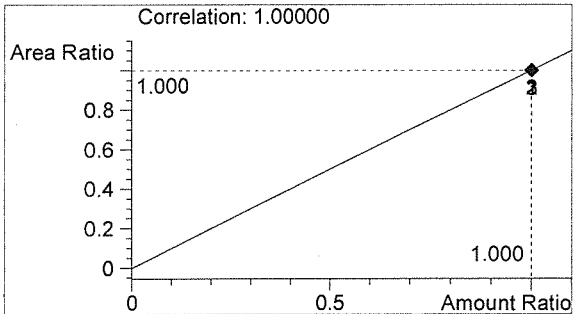


#	Compound	Peak Area	RT (min)
1	Ethanol	1289	1.086
2	n-Propanol	2956	1.765



Ethanol 0.101 g/100mL

AW



n-Propanol 0.012 g/100mL

KH

Inj. Date: 1/28/2017 12:38:19 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

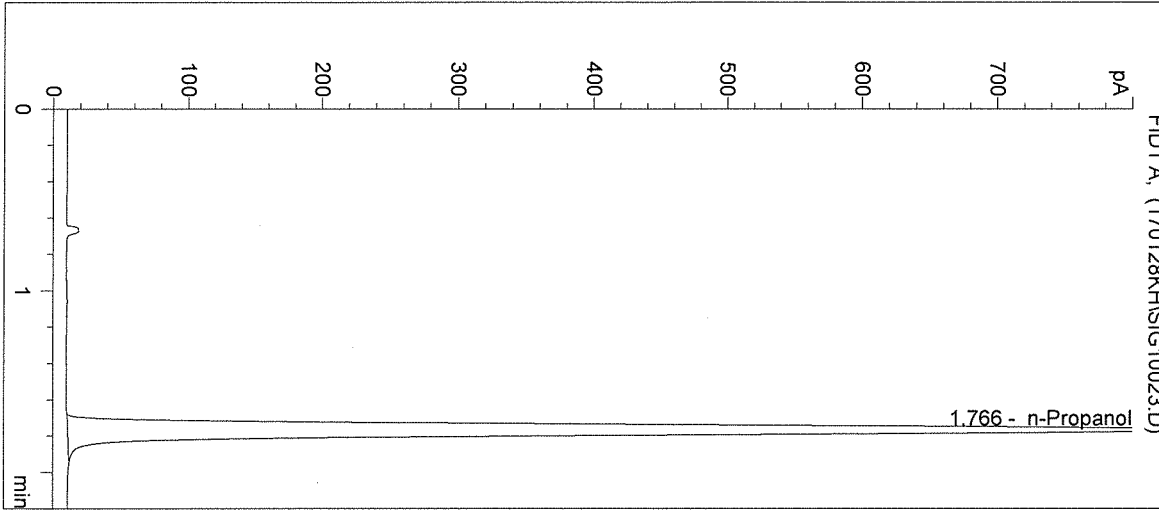
Operator: Katie Harris

Column: DB-ALC1

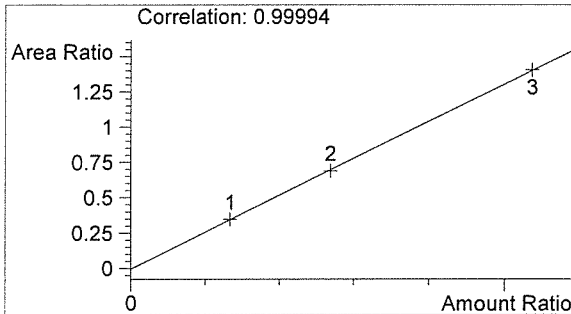
Location: Vial 23

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

Sample Info: 17016

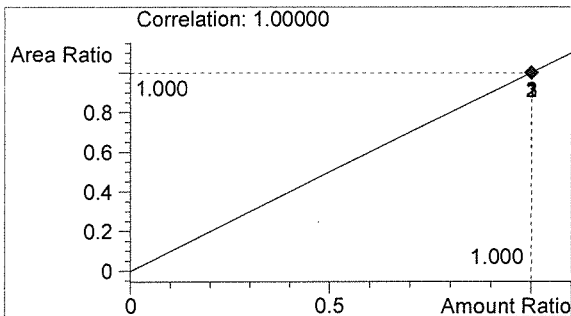


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3275	1.766



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

KH

Sequence Parameters:

Operator: Andrew Gingras
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170201AG - *Extraction & Rounddate is 2/2/17.*
 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: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0117 - X: 04/20/17

 Calibration vials 1-9 filed with 17015
 Diluter #2

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

*17016
 AU03-3-17*



Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17016
PLU 3-3-17

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

Inj. Date: 2/2/2017 8:38:40 AM

Sample Name: 17016 #1

Instrument: HSGC#1

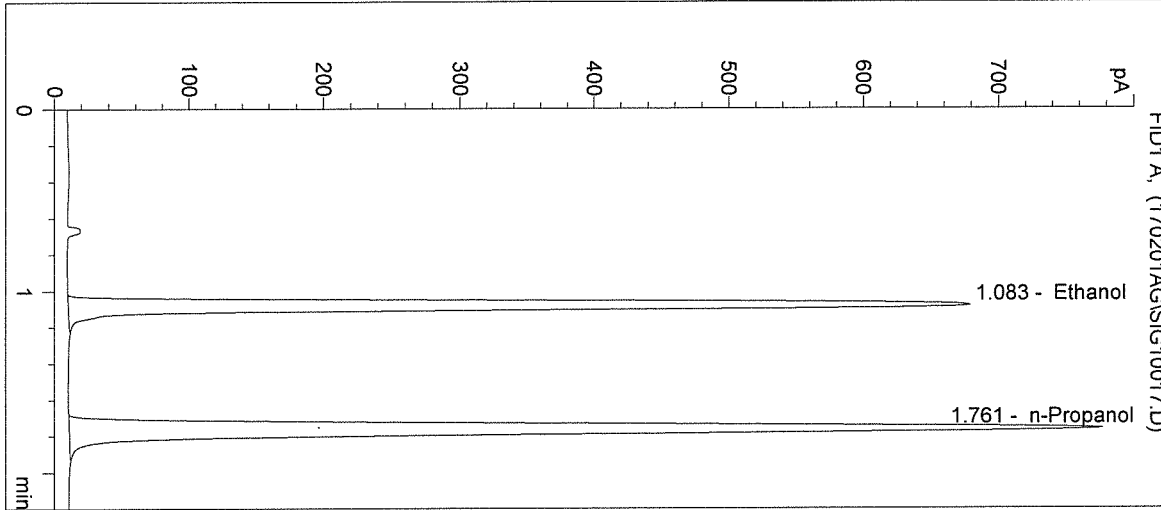
Operator: Andrew Gingras

Column: DB-ALC1

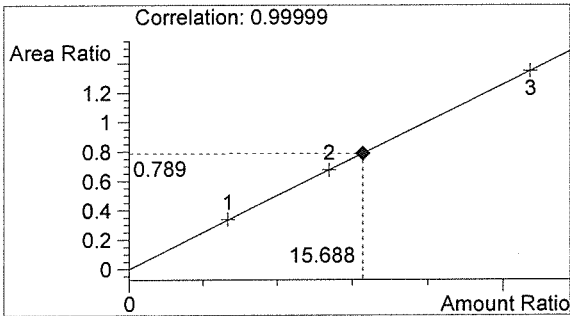
Location: Vial 17

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

Sample Info:

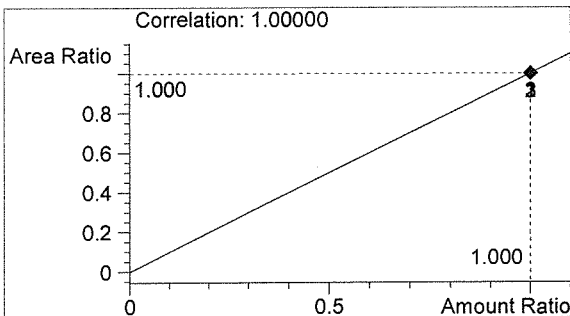


#	Compound	Peak Area	RT (min)
1	Ethanol	2279	1.083
2	n-Propanol	2887	1.761



Ethanol 0.188 g/100mL

AWO

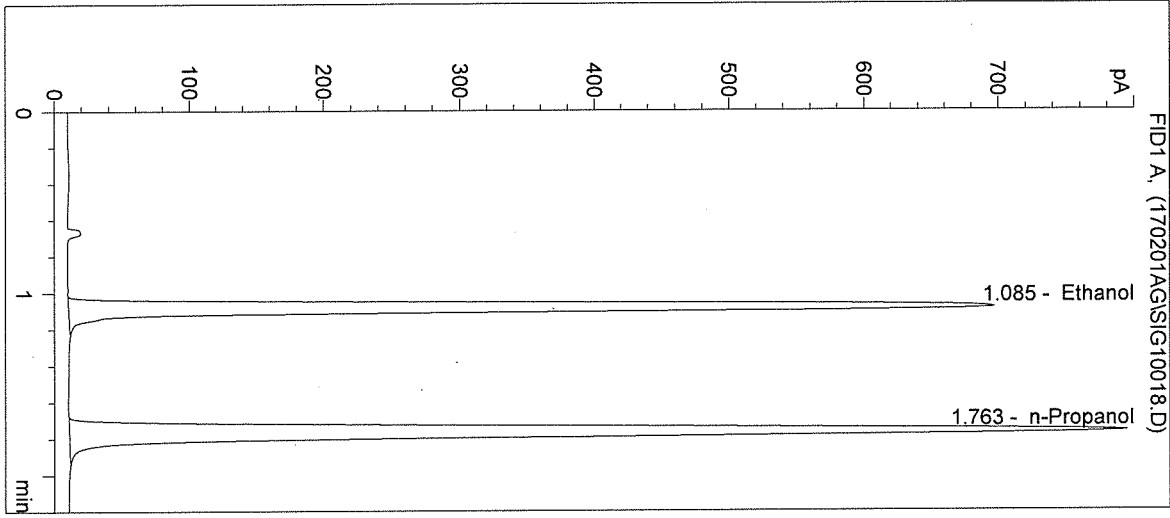


n-Propanol 0.012 g/100mL

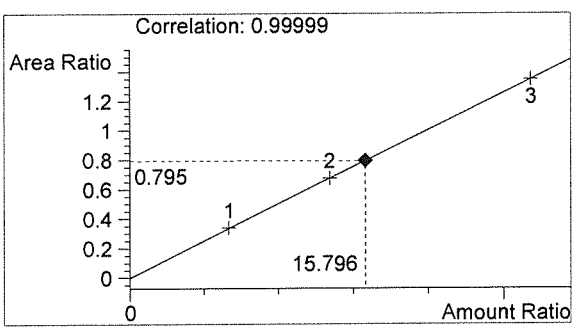
AG

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

Inj. Date: 2/2/2017 8:41:54 AM Sample Name: 17016 #2
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 18
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

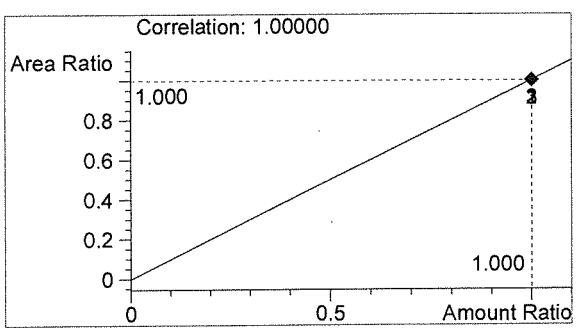


#	Compound	Peak Area	RT (min)
1	Ethanol	2352	1.085
2	n-Propanol	2960	1.763



Ethanol 0.190 g/100mL

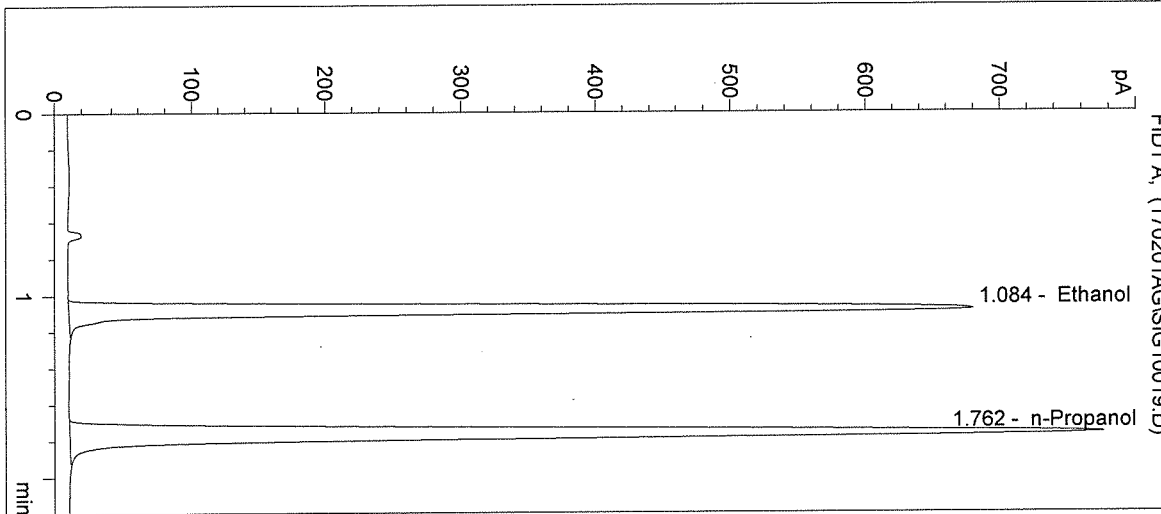
Handwritten signature



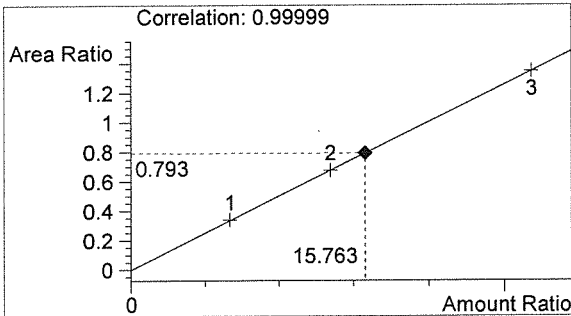
n-Propanol 0.012 g/100mL

Handwritten signature

Inj. Date: 2/2/2017 8:45:07 AM Sample Name: 17016 #3
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 19
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

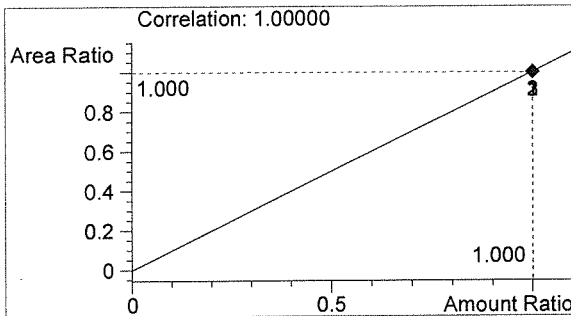


#	Compound	Peak Area	RT (min)
1	Ethanol	2289	1.084
2	n-Propanol	2887	1.762



Ethanol 0.189 g/100mL

AW



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 2/2/2017 8:48:20 AM

Sample Name: 17016 #4

Instrument: HSGC#1

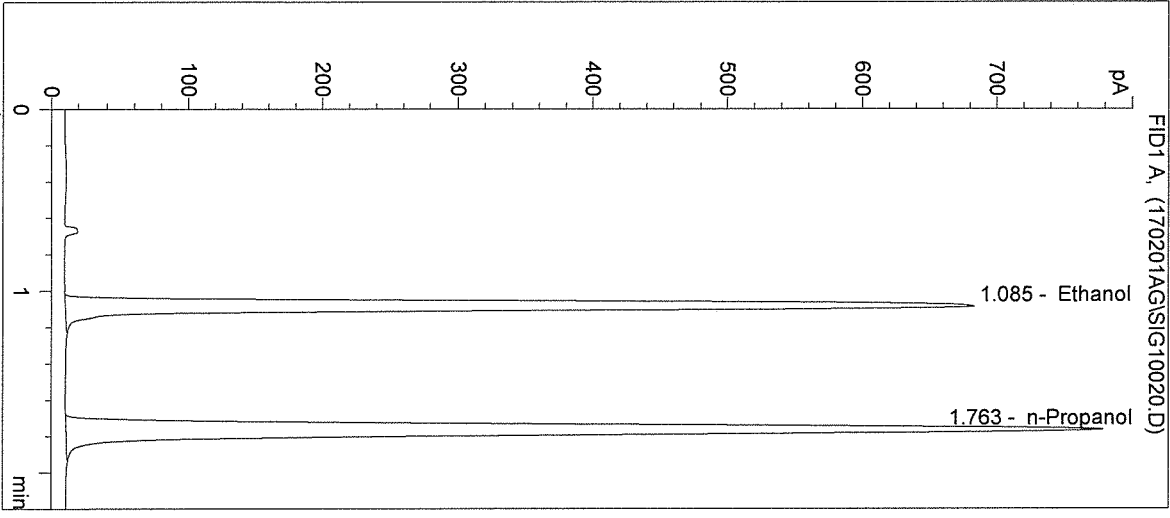
Operator: Andrew Gingras

Column: DB-ALC1

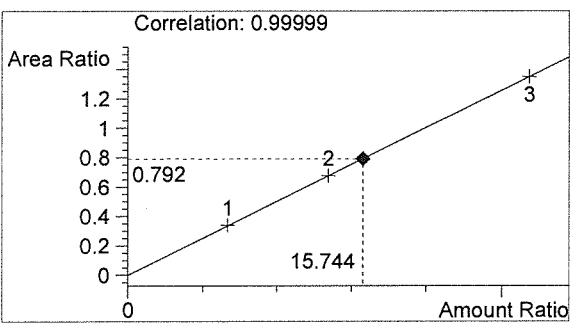
Location: Vial 20

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

Sample Info:

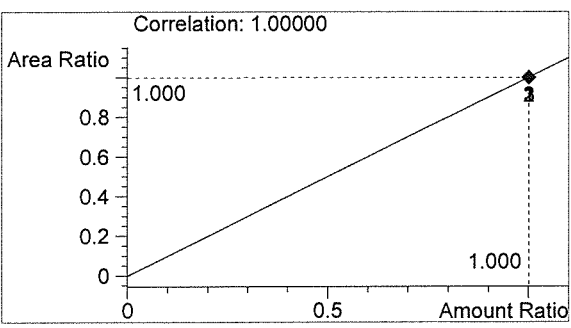


#	Compound	Peak Area	RT (min)
1	Ethanol	2303	1.085
2	n-Propanol	2908	1.763



Ethanol 0.189 g/100mL

AW



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 2/2/2017 8:51:35 AM

Sample Name: 17016 #5

Instrument: HSGC#1

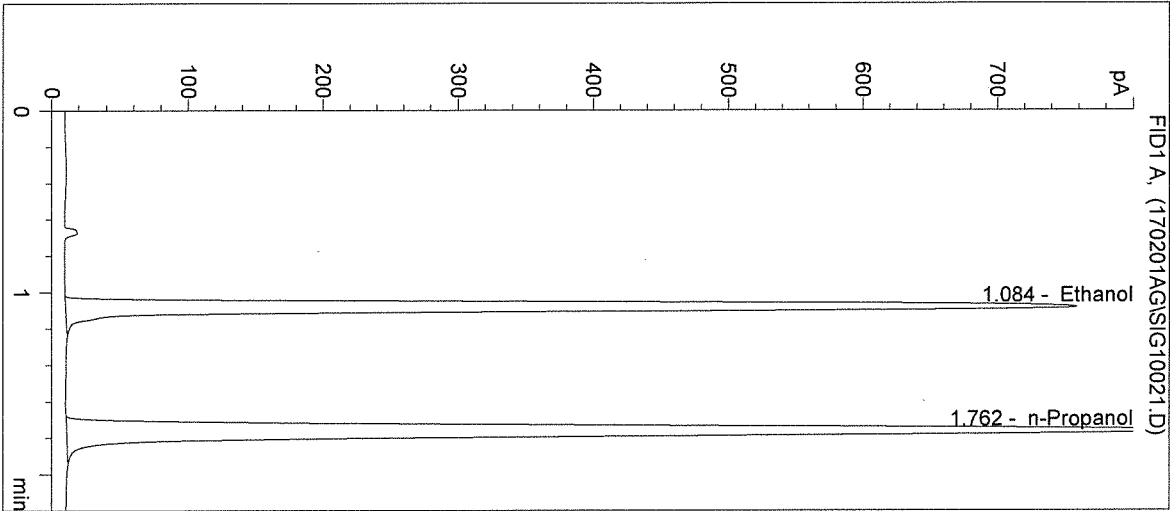
Operator: Andrew Gingras

Column: DB-ALC1

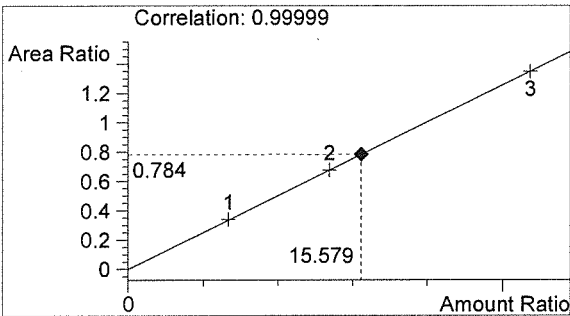
Location: Vial 21

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

Sample Info:

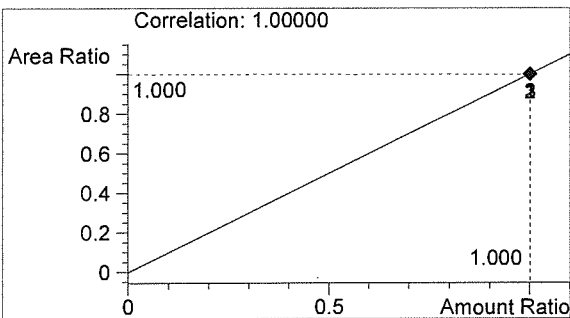


#	Compound	Peak Area	RT (min)
1	Ethanol	2542	1.084
2	n-Propanol	3244	1.762



Ethanol 0.187 g/100mL

AWD

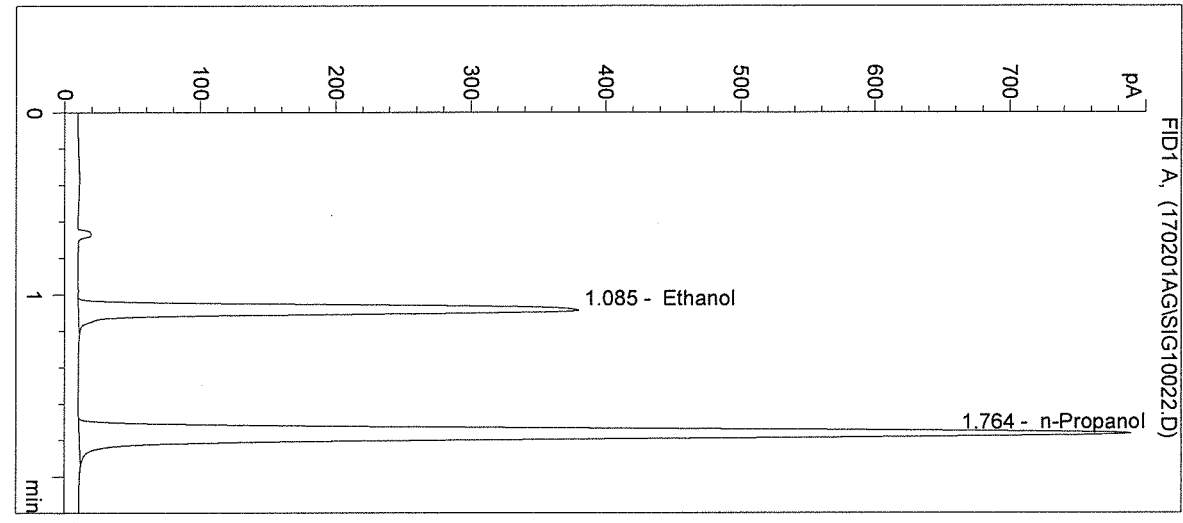


n-Propanol 0.012 g/100mL

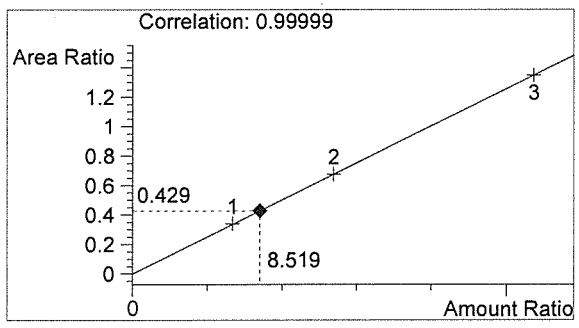
AG

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

Inj. Date: 2/2/2017 8:54:47 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 17016

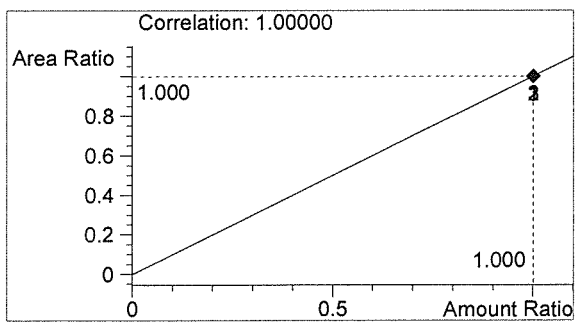


#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.085
2	n-Propanol	2948	1.764



Ethanol 0.102 g/100mL

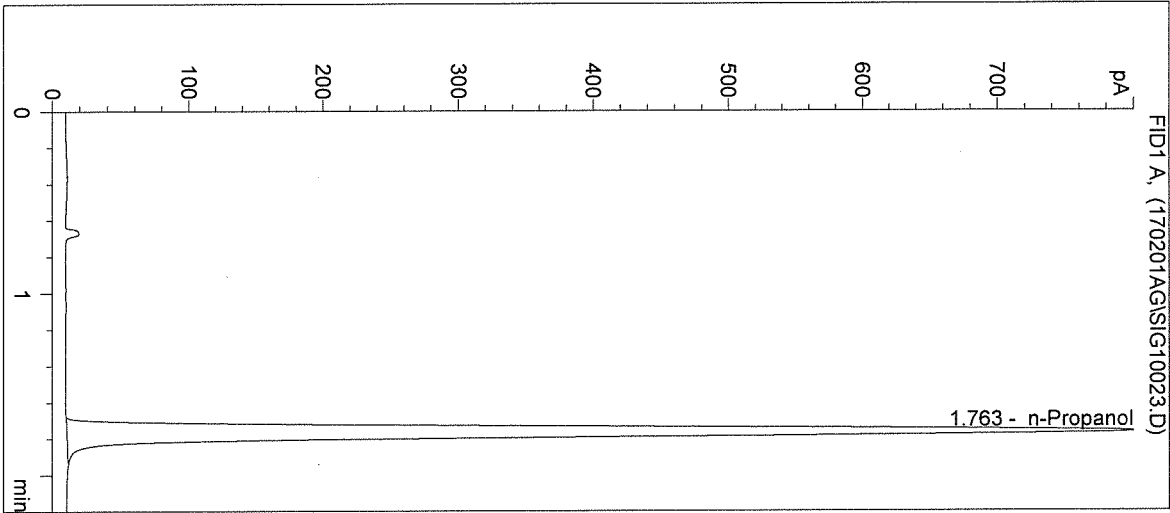
Raw



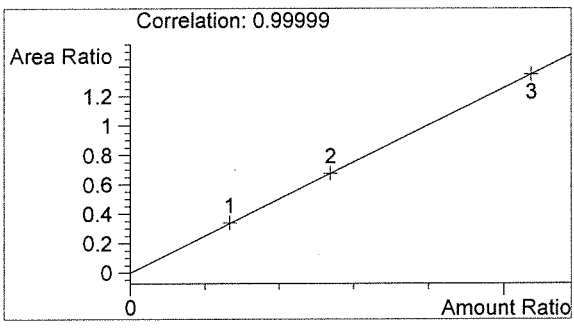
n-Propanol 0.012 g/100mL

AG

Inj. Date: 2/2/2017 8:58:00 AM Sample Name: NEG CTRL
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 23
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17016

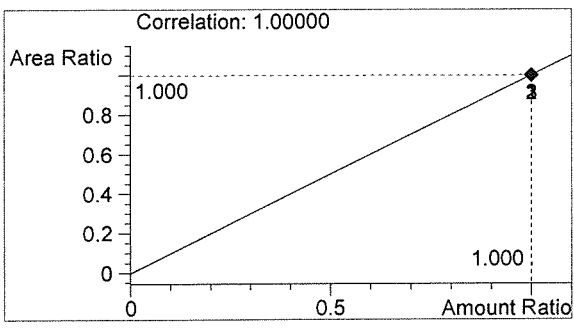


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2996	1.763



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

AG