



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 17022

**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: 02/24/2017  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Elizabeth Wehner

	EW	DN	JLK
1	0.099	0.100	0.100
2	0.101	0.099	0.100
3	0.100	0.100	0.101
4	0.100	0.099	0.101
5	0.102	0.100	0.101
C	0.102	0.102	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1002 g/100mL PRECISION CV (%): 0.86  
STANDARD DEVIATION: 0.00086 NUMBER OF TESTS: 15

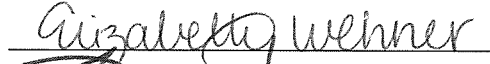

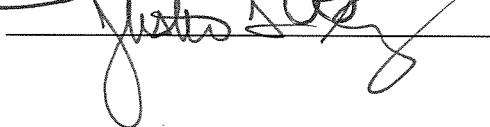
EQUIVALENT VAPOR CONCENTRATION: **0.0815 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

  
Brianne E. O'Reilly Technical Lead

3-7-2017  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
EW	Elizabeth Wehner		02/24/2017
DN	David Nguyen		02/28/2017
JLK	Justin L. Knoy		02/28/2017

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Blake Date: 3-15-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17022

	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: 3-15-17

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

QAP Solution Batch #: 17022

Date Prepared: 2/24/2017

Analyst:	EW	DN	JLK
Date Tested:	2/24/2017	2/28/2017	2/28/2017
Instrument:	HSGC 1	HSGC 1	HSGC 1
1	0.099	0.100	0.100
2	0.101	0.099	0.100
3	0.100	0.100	0.101
4	0.100	0.099	0.101
5	0.102	0.100	0.101
C	0.102	0.102	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000049326	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1002 g/100mL  
Standard Deviation: 0.00086 g/100mL  
Precision CV (%): 0.86  
Equivalent Vapor Concentration: 0.0815 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0009 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 3-3-17  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 3-15-17  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne 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		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	3/3/17
Dawn Sklerov		
Elizabeth Wehner	EW	3/7/17
Justin Knoy	JR	3.3.17
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch #     - 17022      
    Ruo 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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17022**

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 17022, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

*Elizabeth Wehner* 3/7/17

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 17022**


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

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 17022, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

 . 3/3/17

David Nguyen

Date

Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17022**

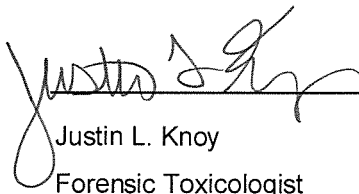
I, Justin L. Knoy, do certify under penalty of perjury that:

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, MS degree in Forensic Science, and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17022, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

 3.3.17  
Justin L. Knoy Date  
Forensic Toxicologist

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

Preparation Date: 2/24/17 Expiration Date: 2/24/18 Initials of Preparer: EW

Lot # of 200-proof Ethanol used in preparation: 2FE039

Date the 200-proof Ethanol bottle was opened: 2/10/17

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 type="checkbox"/>	
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17022</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	
QAP 0.15	42.1	18	<input type="checkbox"/>	
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

2/24/17  
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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Elizabeth Wehner  
Analyst Signature

2/24/17  
Date

*AW*



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\1\DATA\  
 Data Subdirectory: 170224EW  
 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 - exp: 03/15/17  
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - exp: 03/15/17  
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - exp: 03/15/17

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

n-Propanol ISTD - Lot: P0117 - exp: 04/20/2017

Calibration vials 1-9 filed with 17018.

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	17018 #1	SIMALC1	1	Sample		
11	Vial 11	17018 #2	SIMALC1	1	Sample		
12	Vial 12	17018 #3	SIMALC1	1	Sample		
13	Vial 13	17018 #4	SIMALC1	1	Sample		
14	Vial 14	17018 #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	17019 #1	SIMALC1	1	Sample		
18	Vial 18	17019 #2	SIMALC1	1	Sample		
19	Vial 19	17019 #3	SIMALC1	1	Sample		
20	Vial 20	17019 #4	SIMALC1	1	Sample		
21	Vial 21	17019 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17020 #1	SIMALC1	1	Sample		

17022  
 BUO 3-3-17

EW

Sequence: C:\HPCHEM\1\SEQUENCE\EW\_QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17020 #2	SIMALC1	1	Sample		
26	Vial 26	17020 #3	SIMALC1	1	Sample		
27	Vial 27	17020 #4	SIMALC1	1	Sample		
28	Vial 28	17020 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17021 #1	SIMALC1	1	Sample		
32	Vial 32	17021 #2	SIMALC1	1	Sample		
33	Vial 33	17021 #3	SIMALC1	1	Sample		
34	Vial 34	17021 #4	SIMALC1	1	Sample		
35	Vial 35	17021 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17022 #1	SIMALC1	1	Sample		
39	Vial 39	17022 #2	SIMALC1	1	Sample		
40	Vial 40	17022 #3	SIMALC1	1	Sample		
41	Vial 41	17022 #4	SIMALC1	1	Sample		
42	Vial 42	17022 #5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17022  
Buo 3-3-17

EW

Inj. Date: 2/24/2017 11:46:28 AM

Sample Name: 17022 #1

Instrument: HSGC#1

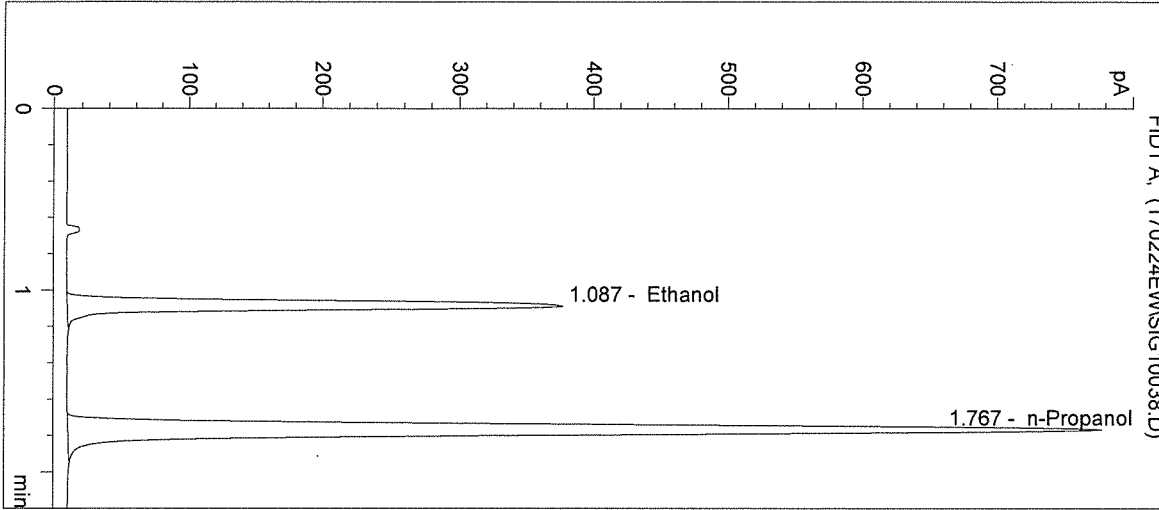
Operator: Elizabeth Wehner

Column: DB-ALC1

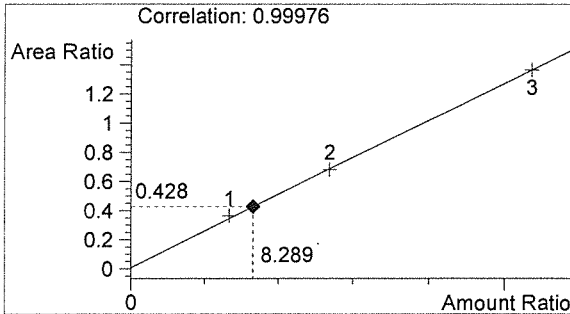
Location: Vial 38

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

Sample Info:

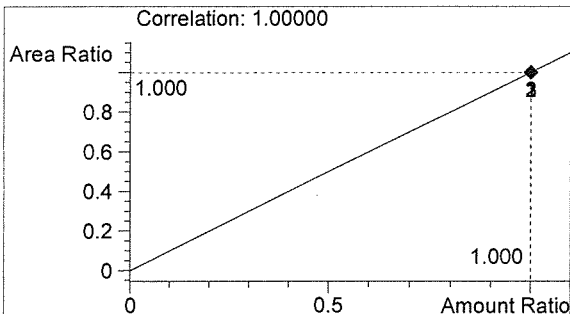


#	Compound	Peak Area	RT (min)
1	Ethanol	1247	1.087
2	n-Propanol	2911	1.767



Ethanol 0.099 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*EW*

Inj. Date: 2/24/2017 11:49:41 AM

Sample Name: 17022 #2

Instrument: HSGC#1

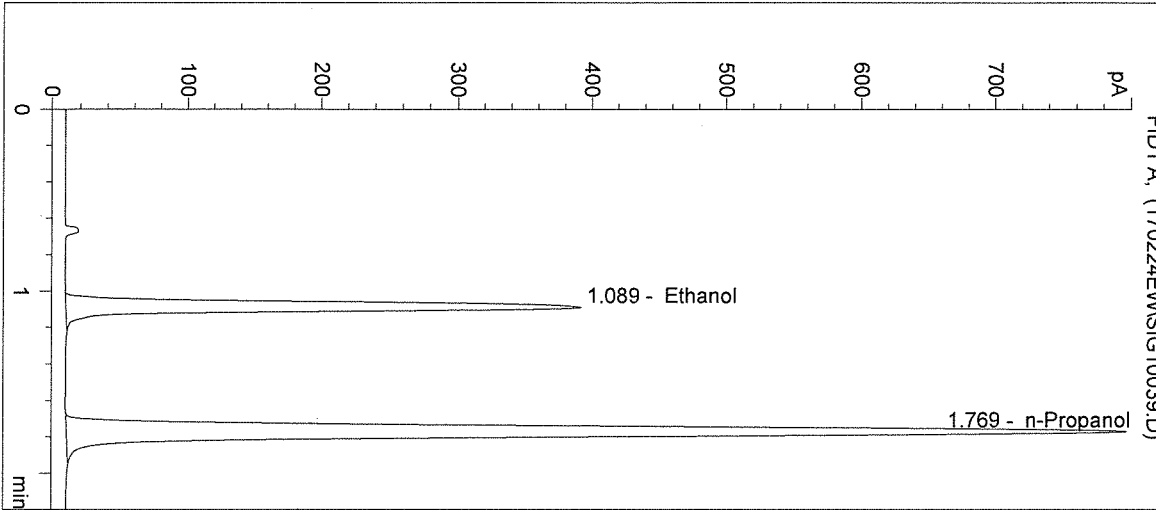
Operator: Elizabeth Wehner

Column: DB-ALC1

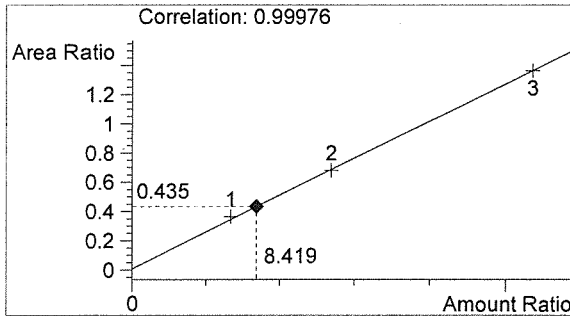
Location: Vial 39

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

Sample Info:

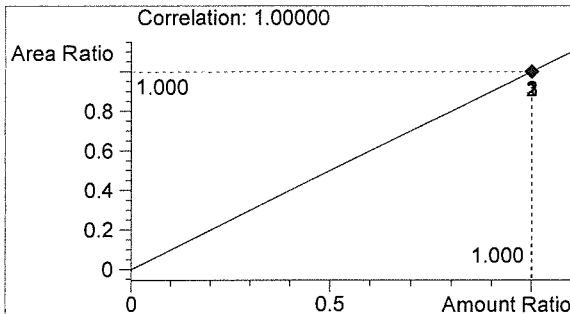


#	Compound	Peak Area	RT (min)
1	Ethanol	1312	1.089
2	n-Propanol	3017	1.769



Ethanol 0.101 g/100mL

*PLW*



n-Propanol 0.012 g/100mL

*EW*

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

Inj. Date: 2/24/2017 11:52:55 AM

Sample Name: 17022 #3

Instrument: HSGC#1

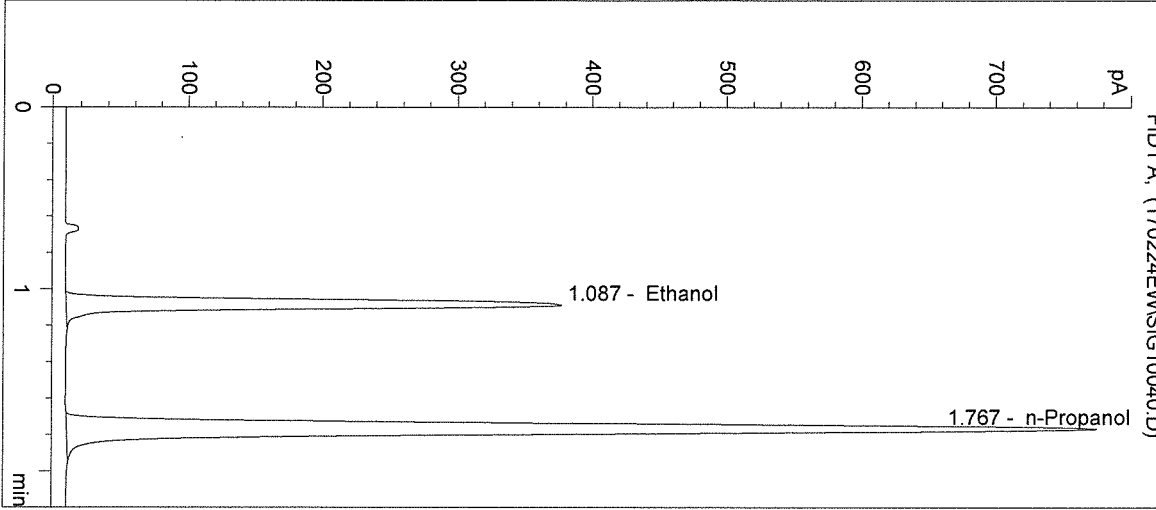
Operator: Elizabeth Wehner

Column: DB-ALC1

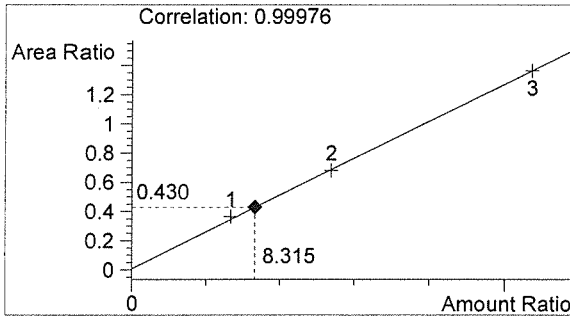
Location: Vial 40

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

Sample Info:

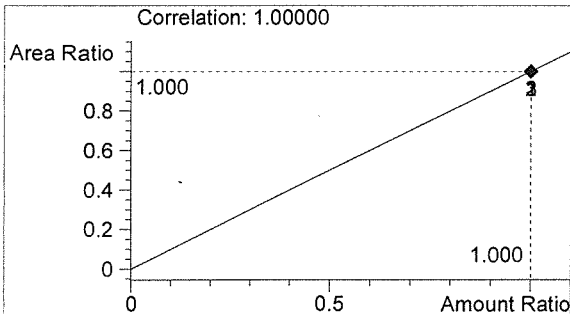


#	Compound	Peak Area	RT (min)
1	Ethanol	1248	1.087
2	n-Propanol	2906	1.767



Ethanol 0.100 g/100mL

*Buo*



n-Propanol 0.012 g/100mL

*EW*

Inj. Date: 2/24/2017 11:56:08 AM

Sample Name: 17022 #4

Instrument: HSGC#1

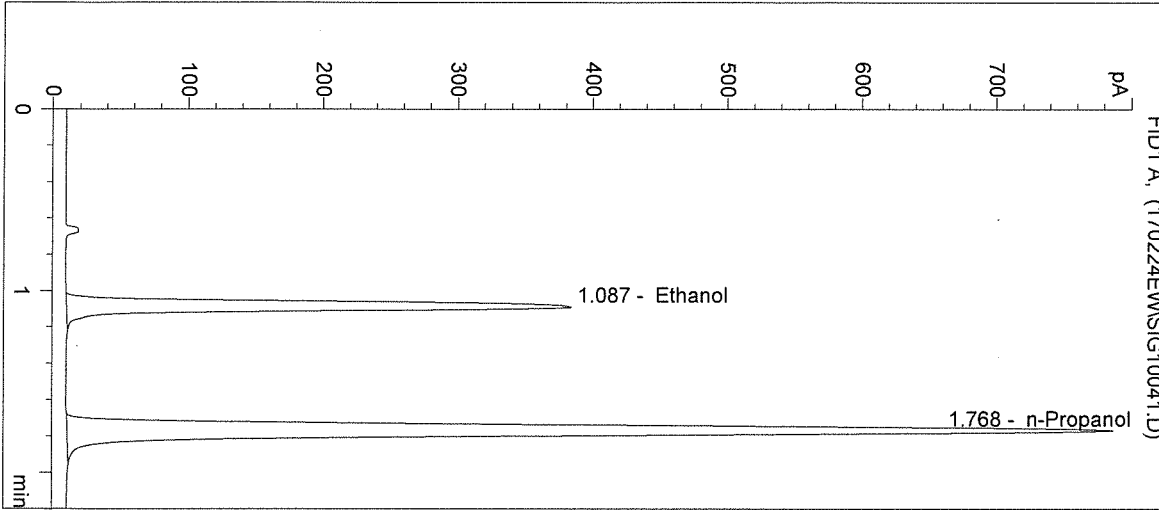
Operator: Elizabeth Wehner

Column: DB-ALC1

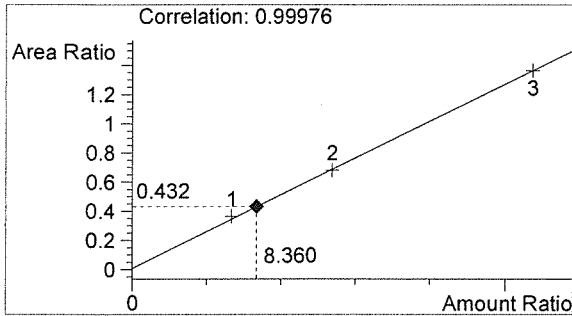
Location: Vial 41

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

Sample Info:

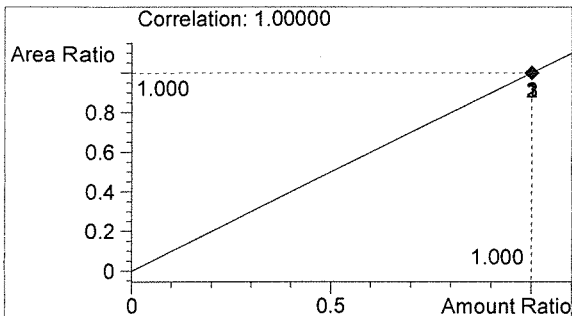


#	Compound	Peak Area	RT (min)
1	Ethanol	1277	1.087
2	n-Propanol	2957	1.768



Ethanol 0.100 g/100mL

*PW*



n-Propanol 0.012 g/100mL

*EW*

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 11:59:22 AM

Sample Name: 17022 #5

Instrument: HSGC#1

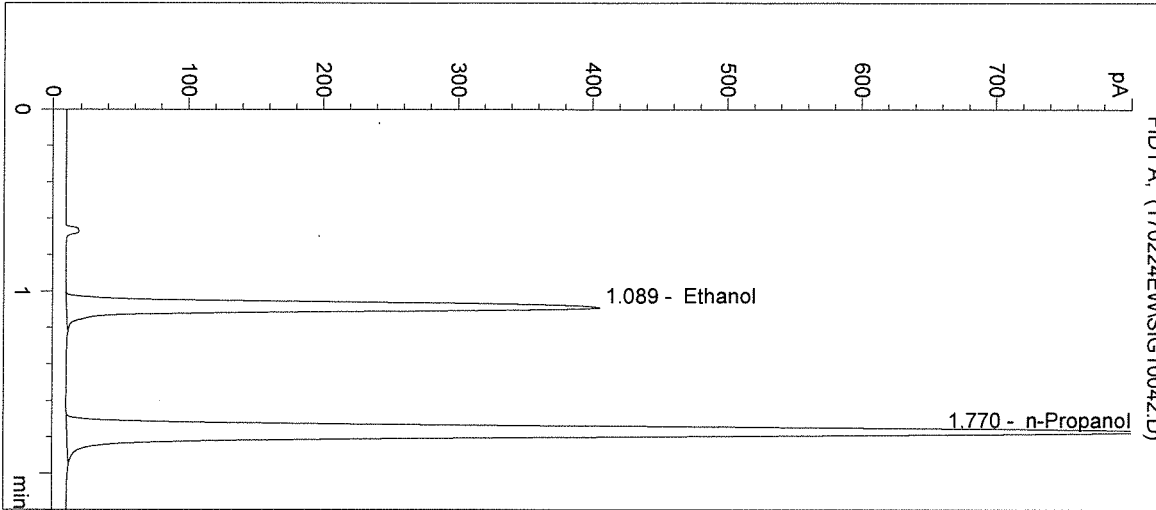
Operator: Elizabeth Wehner

Column: DB-ALC1

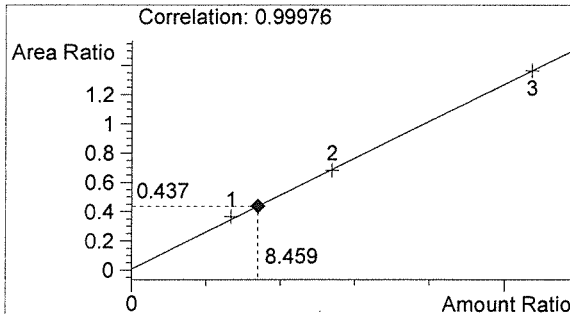
Location: Vial 42

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

Sample Info:

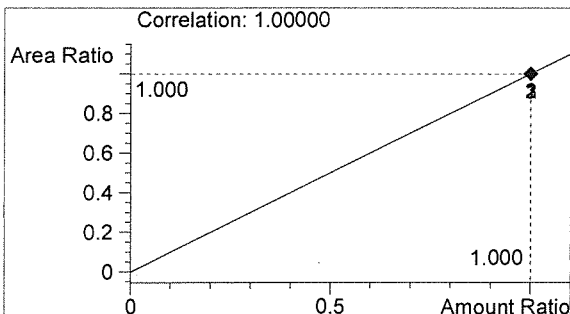


#	Compound	Peak Area	RT (min)
1	Ethanol	1361	1.089
2	n-Propanol	3115	1.770



Ethanol 0.102 g/100mL

*PW*



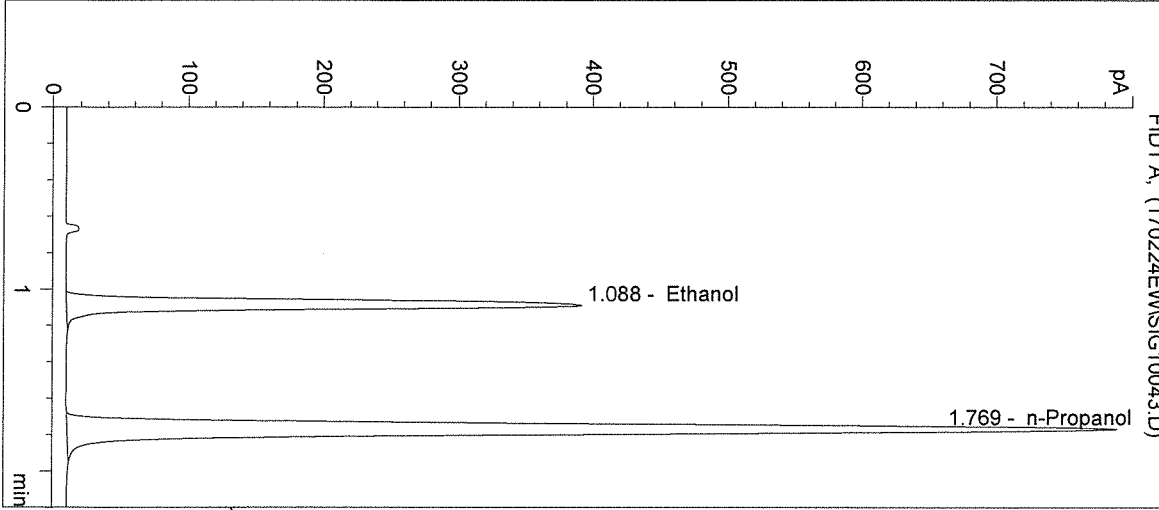
n-Propanol 0.012 g/100mL

*EW*

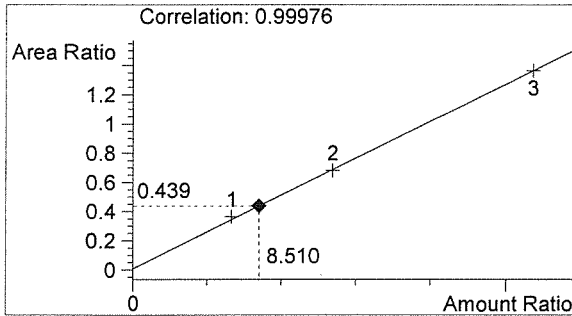
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 12:02:34 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17022

Sample Name: POS CTRL (0.10)  
 Operator: Elizabeth Wehner  
 Location: Vial 43

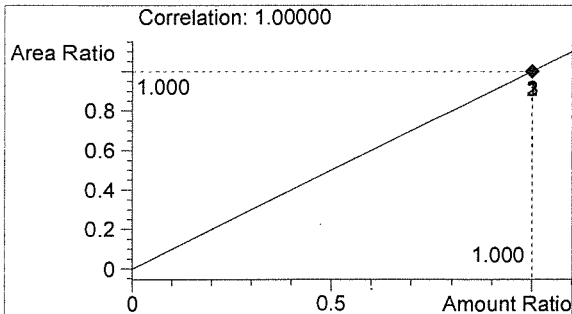


#	Compound	Peak Area	RT (min)
1	Ethanol	1306	1.088
2	n-Propanol	2973	1.769



Ethanol 0.102 g/100mL

*PLW*

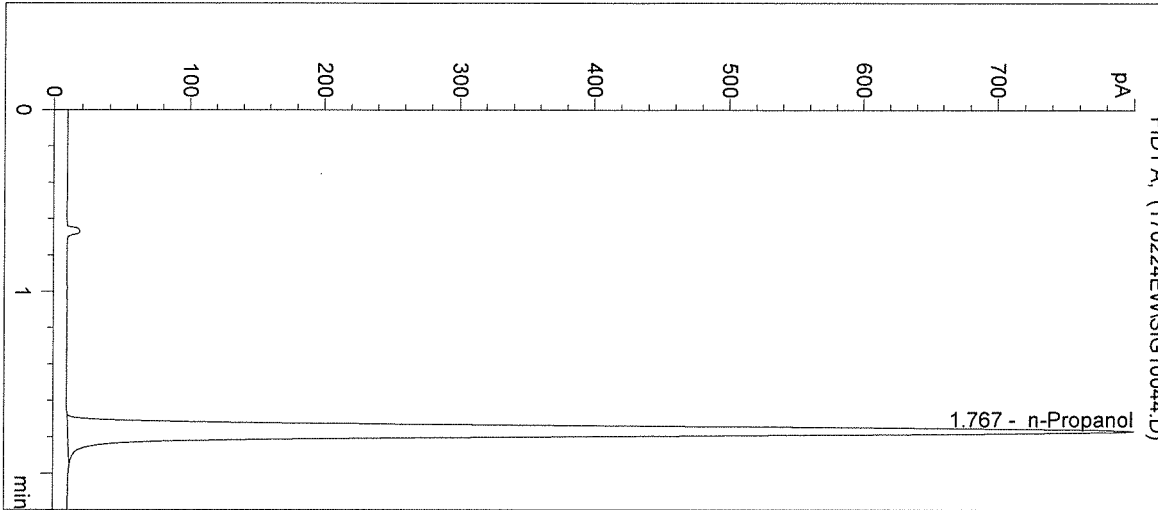


n-Propanol 0.012 g/100mL

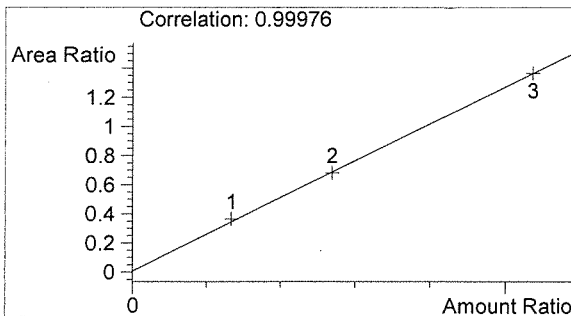
*EW*



Inj. Date: 2/24/2017 12:05:48 PM      Sample Name: NEG CTRL  
 Instrument: HSGC#1      Operator: Elizabeth Wehner  
 Column: DB-ALC1      Location: Vial 44  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 17022

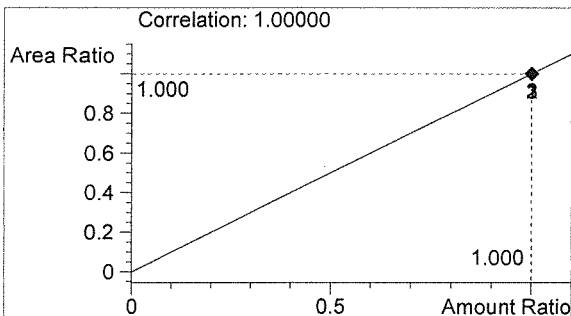


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3014	1.767



Ethanol      0.000 g/100mL

*AW*



n-Propanol      0.012 g/100mL

*EW*

Sequence Parameters:

Operator: David Nguyen  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 170228DN  
 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: E0217-01 - X: 08/21/17  
 CAL 2: 0.158 g/100mL - Lot: E0217-02 - X: 08/21/17  
 CAL 3: 0.316 g/100mL - Lot: E0217-03 - X: 08/21/17  
  
 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 17018.

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	17018 #1	SIMALC1	1	Sample		
11	Vial 11	17018 #2	SIMALC1	1	Sample		
12	Vial 12	17018 #3	SIMALC1	1	Sample		
13	Vial 13	17018 #4	SIMALC1	1	Sample		
14	Vial 14	17018 #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	17019 #1	SIMALC1	1	Sample		
18	Vial 18	17019 #2	SIMALC1	1	Sample		
19	Vial 19	17019 #3	SIMALC1	1	Sample		
20	Vial 20	17019 #4	SIMALC1	1	Sample		
21	Vial 21	17019 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17020 #1	SIMALC1	1	Sample		

17022  
 Pmo 3-3-17

DN

Sequence: C:\HPCHEM\1\SEQUENCE\DN-QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17020 #2	SIMALC1	1	Sample		
26	Vial 26	17020 #3	SIMALC1	1	Sample		
27	Vial 27	17020 #4	SIMALC1	1	Sample		
28	Vial 28	17020 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17021 #1	SIMALC1	1	Sample		
32	Vial 32	17021 #2	SIMALC1	1	Sample		
33	Vial 33	17021 #3	SIMALC1	1	Sample		
34	Vial 34	17021 #4	SIMALC1	1	Sample		
35	Vial 35	17021 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17022 #1	SIMALC1	1	Sample		
39	Vial 39	17022 #2	SIMALC1	1	Sample		
40	Vial 40	17022 #3	SIMALC1	1	Sample		
41	Vial 41	17022 #4	SIMALC1	1	Sample		
42	Vial 42	17022 #5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17022  
BUO 3-3-17

DN

Inj. Date: 2/28/2017 11:04:56 AM

Sample Name: 17022 #1

Instrument: HSGC#1

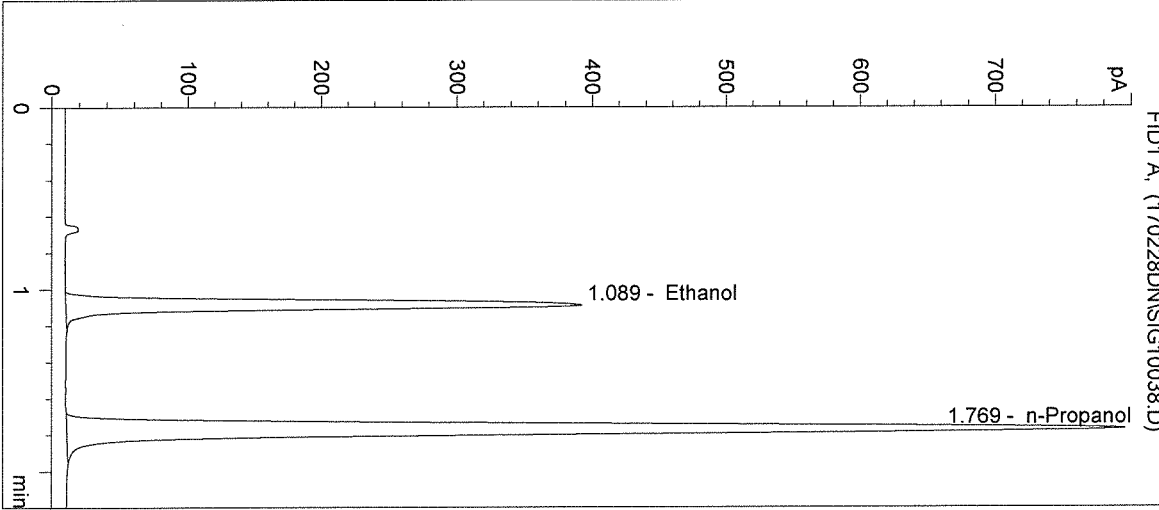
Operator: David Nguyen

Column: DB-ALC1

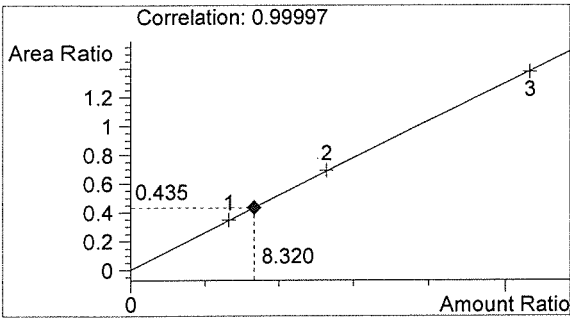
Location: Vial 38

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

Sample Info:

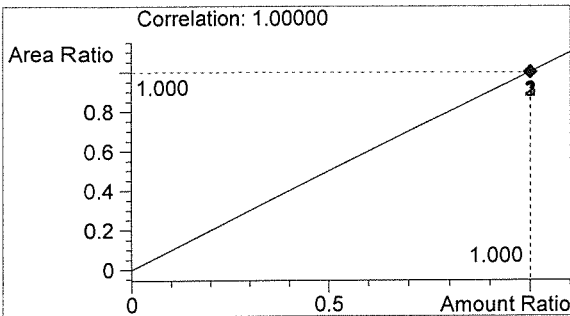


#	Compound	Peak Area	RT (min)
1	Ethanol	1311	1.089
2	n-Propanol	3013	1.769



Ethanol 0.100 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

Inj. Date: 2/28/2017 11:08:09 AM

Sample Name: 17022 #2

Instrument: HSGC#1

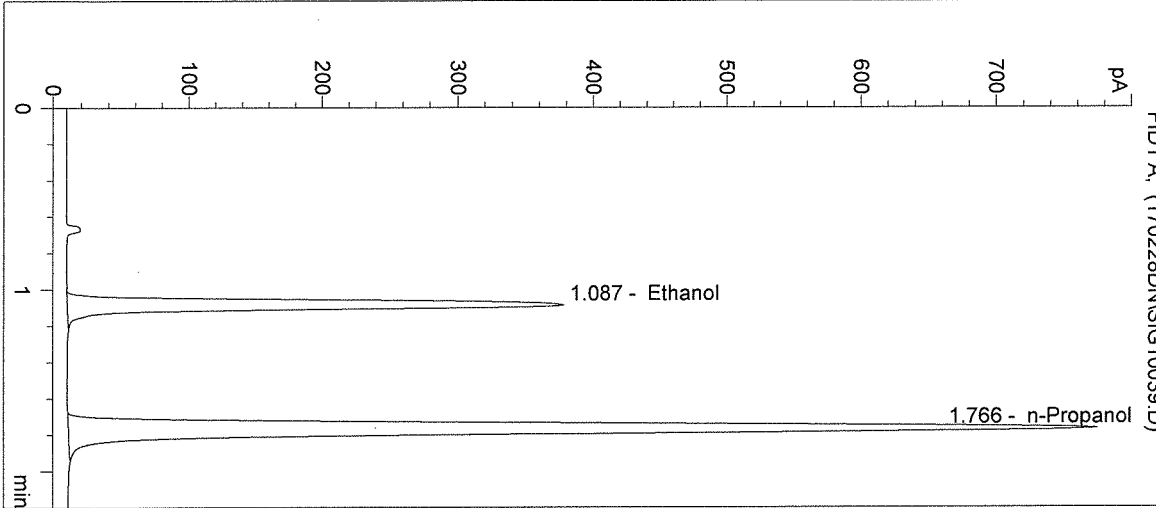
Operator: David Nguyen

Column: DB-ALC1

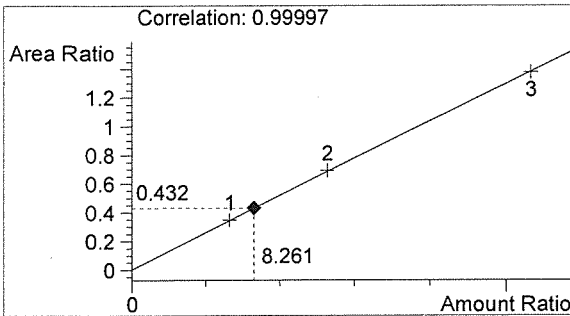
Location: Vial 39

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

Sample Info:

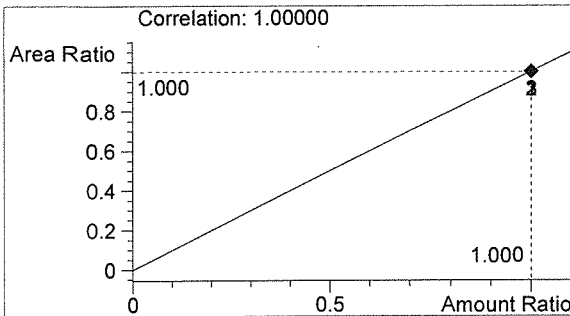


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.087
2	n-Propanol	2907	1.766



Ethanol 0.099 g/100mL

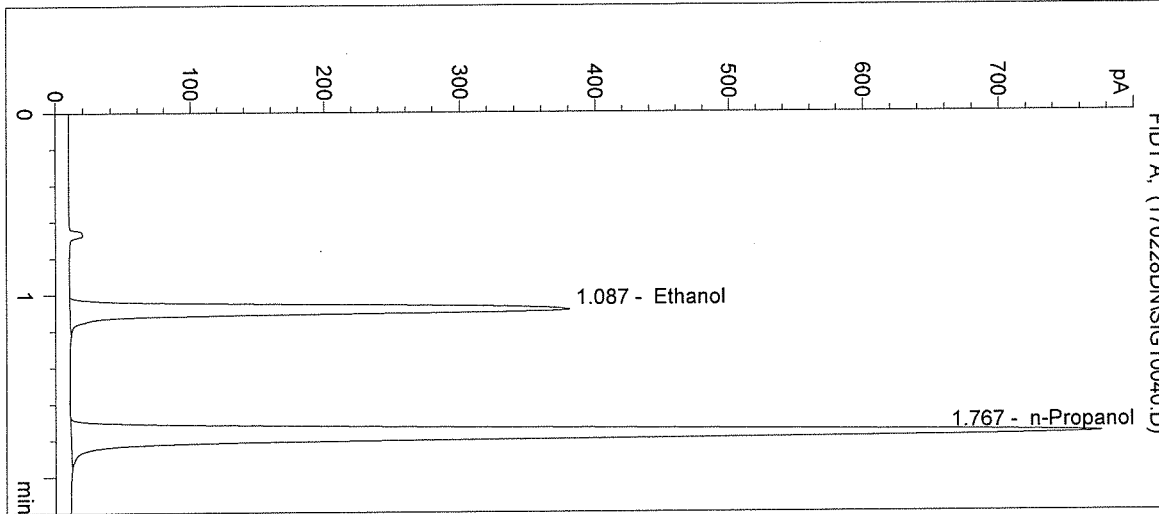
*DN*



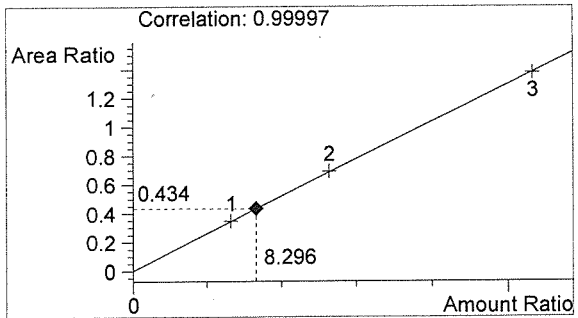
n-Propanol 0.012 g/100mL

*DN*

Inj. Date: 2/28/2017 11:11:22 AM      Sample Name: 17022 #3  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 40  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

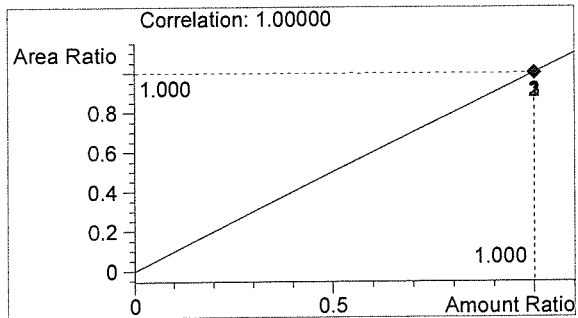


#	Compound	Peak Area	RT (min)
1	Ethanol	1268	1.087
2	n-Propanol	2924	1.767



Ethanol      0.100 g/100mL

*BLW*



n-Propanol      0.012 g/100mL

*DN*

Inj. Date: 2/28/2017 11:14:36 AM

Sample Name: 17022 #4

Instrument: HSGC#1

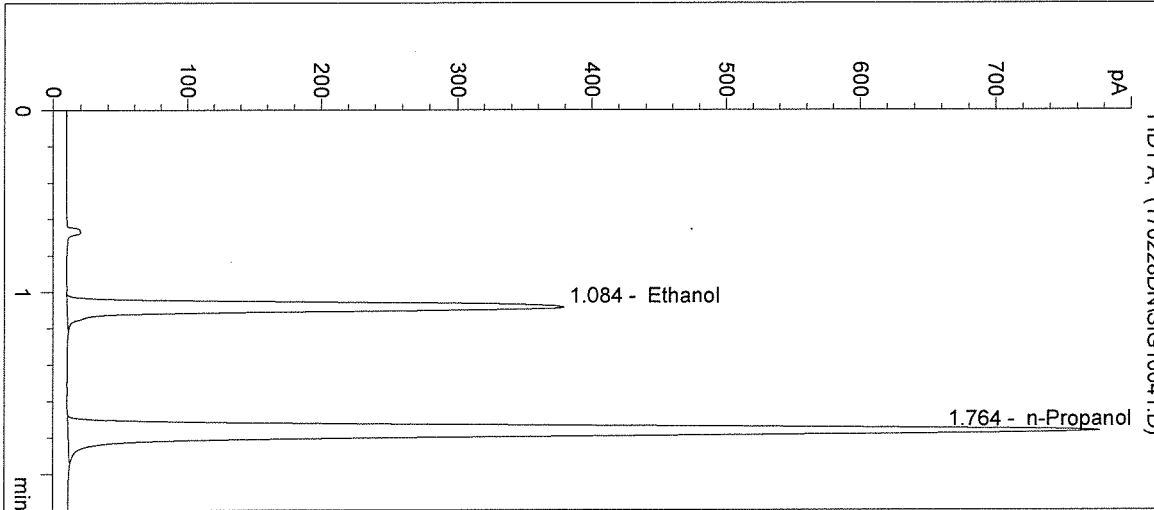
Operator: David Nguyen

Column: DB-ALC1

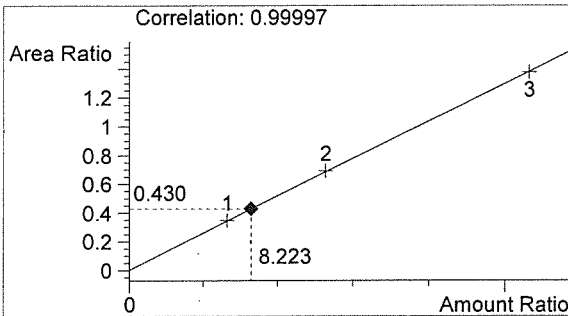
Location: Vial 41

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

Sample Info:

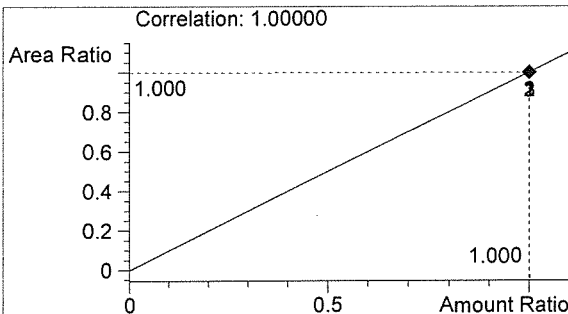


#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.084
2	n-Propanol	2898	1.764



Ethanol 0.099 g/100mL

*PNW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 2/28/2017 11:17:49 AM

Sample Name: 17022 #5

Instrument: HSGC#1

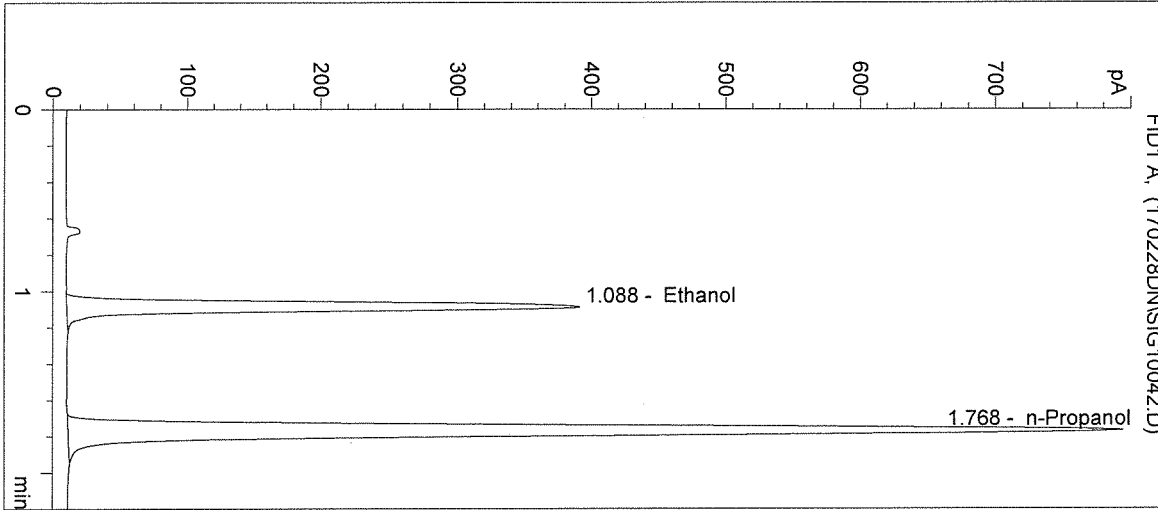
Operator: David Nguyen

Column: DB-ALC1

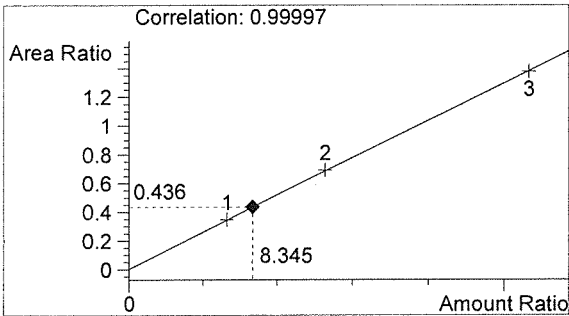
Location: Vial 42

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

Sample Info:

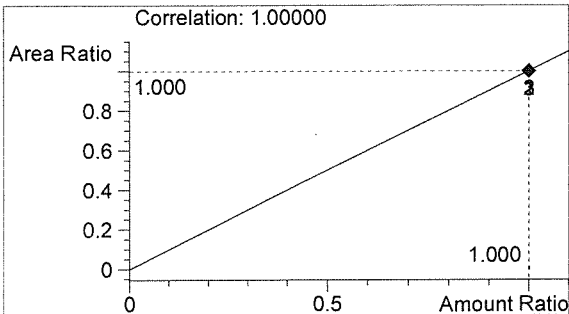


#	Compound	Peak Area	RT (min)
1	Ethanol	1307	1.088
2	n-Propanol	2996	1.768



Ethanol 0.100 g/100mL

*BW*



n-Propanol 0.012 g/100mL

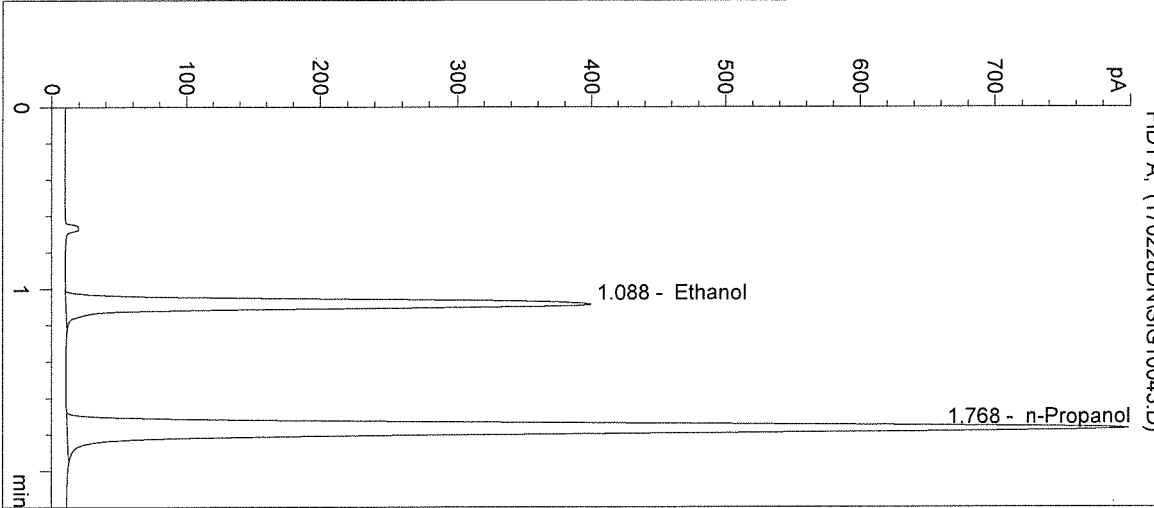
*DN*



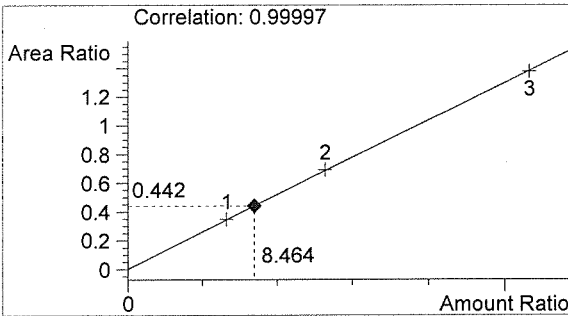
Inj. Date: 2/28/2017 11:21:02 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17022

Sample Name: POS CTRL (0.10)  
 Operator: David Nguyen  
 Location: Vial 43

->

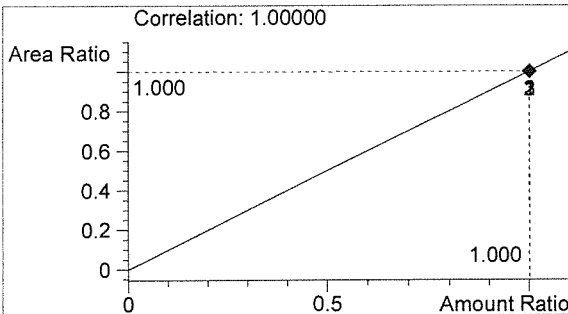


#	Compound	Peak Area	RT (min)
1	Ethanol	1337	1.088
2	n-Propanol	3021	1.768



Ethanol 0.102 g/100mL

*RAW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 2/28/2017 11:24:16 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

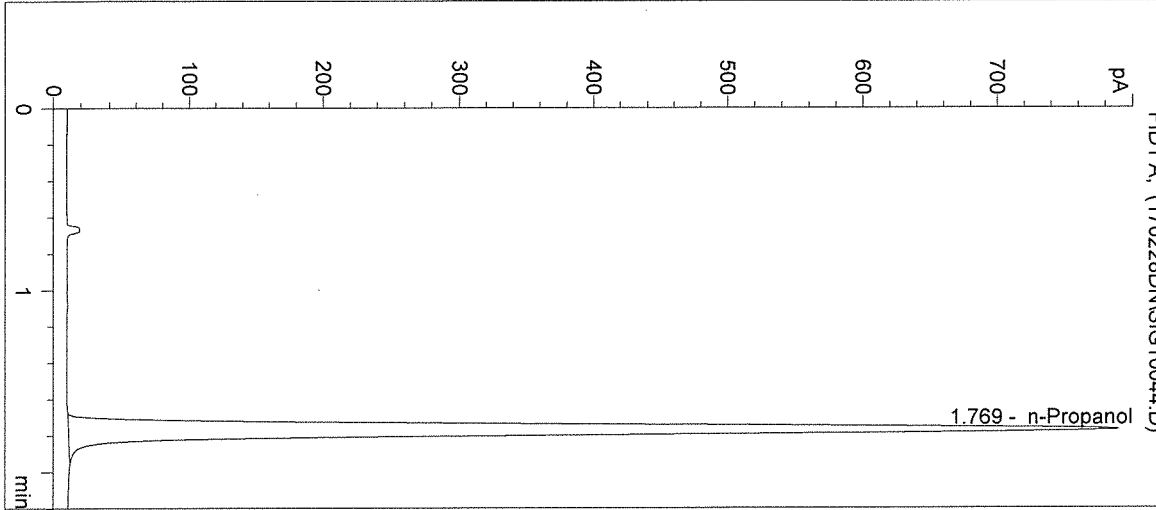
Operator: David Nguyen

Column: DB-ALC1

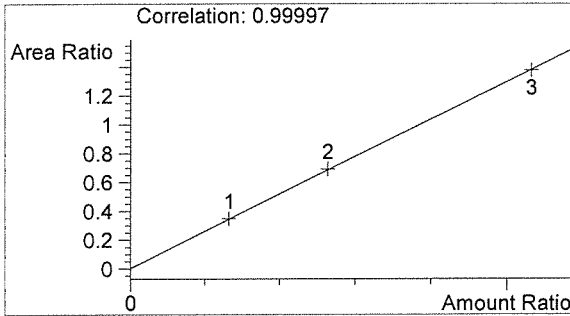
Location: Vial 44

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

Sample Info: 17022

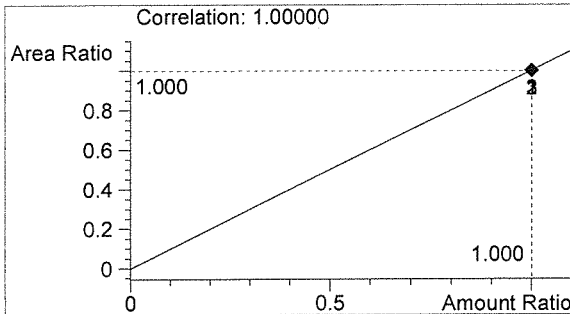


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3005	1.769



Ethanol 0.000 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

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\1\DATA\  
 Data Subdirectory: 170228JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017  
 Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017  
 Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017  
 CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020  
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021  
 Internal Standard Lot#P0117 - Exp. 04/20/2017

Calibration vials 1-9 filed with 17018.

17022  
 BW 3.3.17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17018-1	SIMALC1	1	Sample		
11	Vial 11	17018-2	SIMALC1	1	Sample		
12	Vial 12	17018-3	SIMALC1	1	Sample		
13	Vial 13	17018-4	SIMALC1	1	Sample		
14	Vial 14	17018-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17019-1	SIMALC1	1	Sample		
18	Vial 18	17019-2	SIMALC1	1	Sample		
19	Vial 19	17019-3	SIMALC1	1	Sample		
20	Vial 20	17019-4	SIMALC1	1	Sample		
21	Vial 21	17019-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17020-1	SIMALC1	1	Sample		
25	Vial 25	17020-2	SIMALC1	1	Sample		
26	Vial 26	17020-3	SIMALC1	1	Sample		

*JX*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17020-4	SIMALC1	1	Sample		
28	Vial 28	17020-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17021-1	SIMALC1	1	Sample		
32	Vial 32	17021-2	SIMALC1	1	Sample		
33	Vial 33	17021-3	SIMALC1	1	Sample		
34	Vial 34	17021-4	SIMALC1	1	Sample		
35	Vial 35	17021-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17022-1	SIMALC1	1	Sample		
39	Vial 39	17022-2	SIMALC1	1	Sample		
40	Vial 40	17022-3	SIMALC1	1	Sample		
41	Vial 41	17022-4	SIMALC1	1	Sample		
42	Vial 42	17022-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17022  
PLW 3-3-17

JK

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

Inj. Date: 2/28/2017 4:43:55 PM

Sample Name: 17022-1

Instrument: HSGC#1

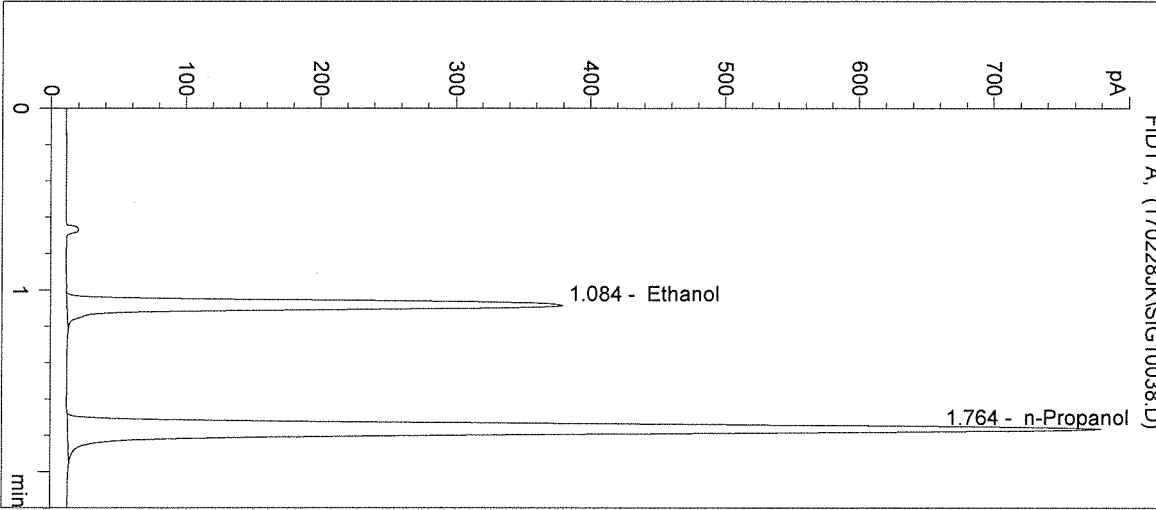
Operator: Justin Knoy

Column: DB-ALC1

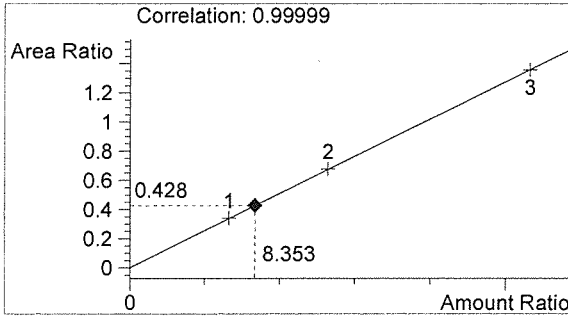
Location: Vial 38

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

Sample Info:

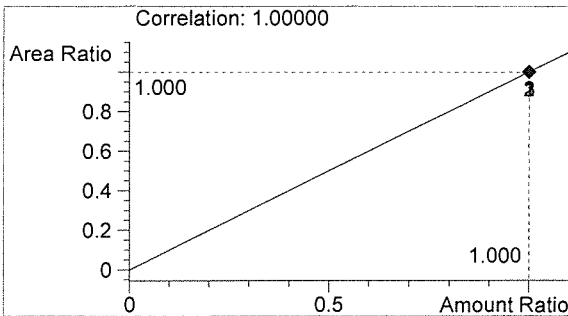


#	Compound	Peak Area	RT (min)
1	Ethanol	1238	1.084
2	n-Propanol	2890	1.764



Ethanol 0.100 g/100mL

*ALW*

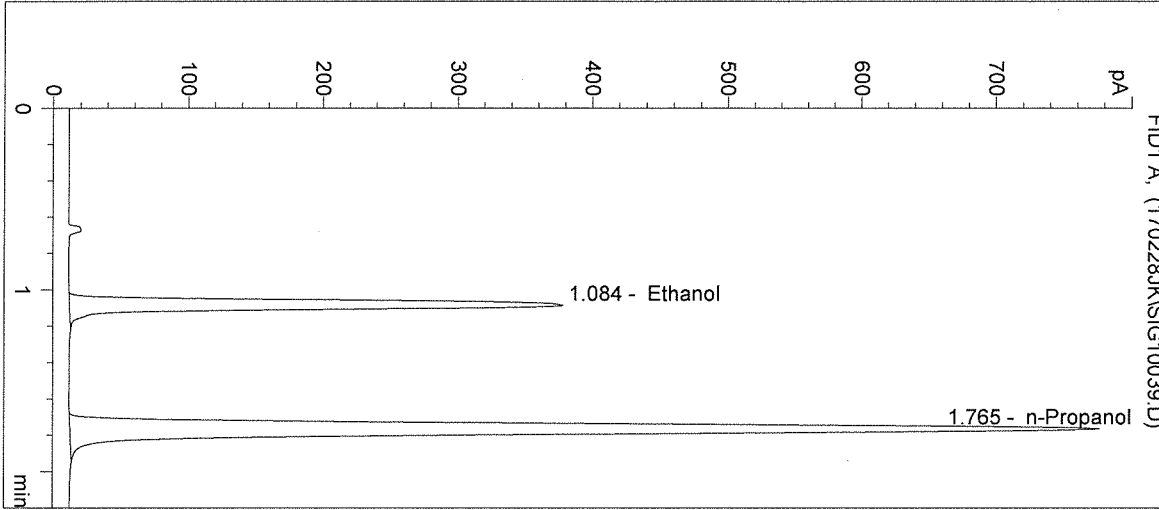


n-Propanol 0.012 g/100mL

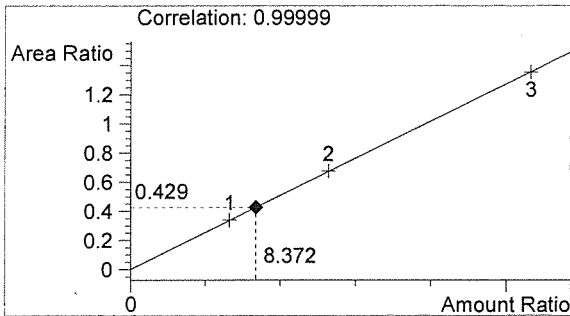
*JK*

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

Inj. Date: 2/28/2017 4:47:08 PM      Sample Name: 17022-2  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 39  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

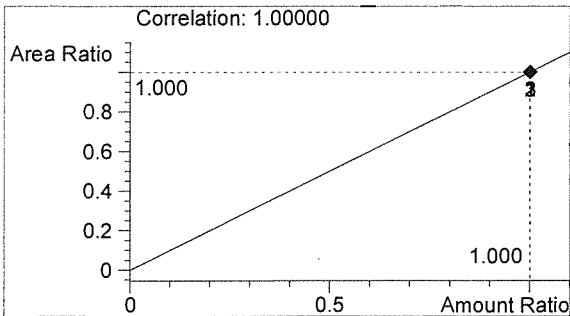


#	Compound	Peak Area	RT (min)
1	Ethanol	1236	1.084
2	n-Propanol	2878	1.765



Ethanol      0.100 g/100mL

*ALCO*



n-Propanol      0.012 g/100mL

*J12*

Inj. Date: 2/28/2017 4:50:21 PM

Sample Name: 17022-3

Instrument: HSGC#1

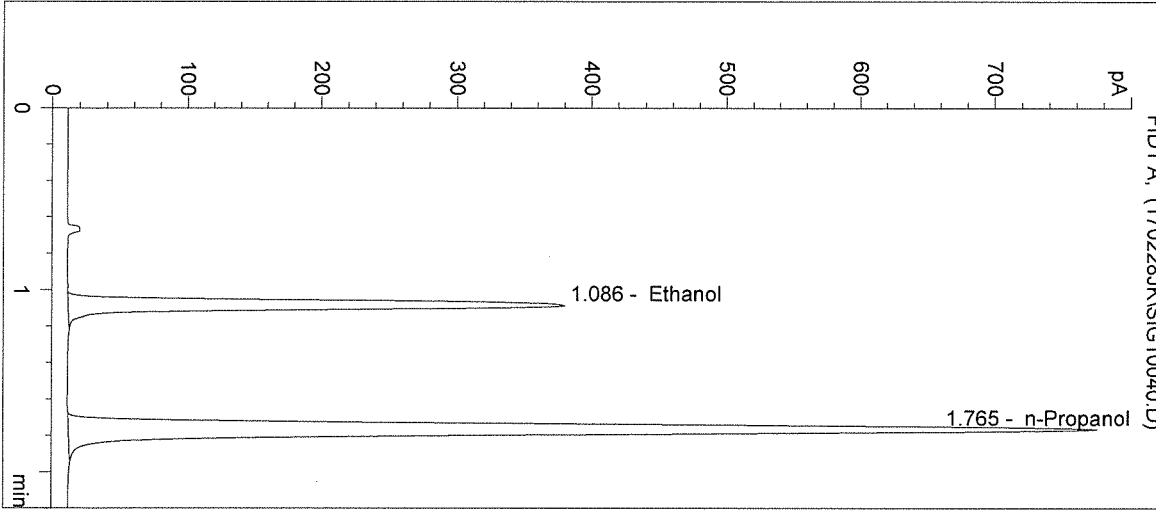
Operator: Justin Knoy

Column: DB-ALC1

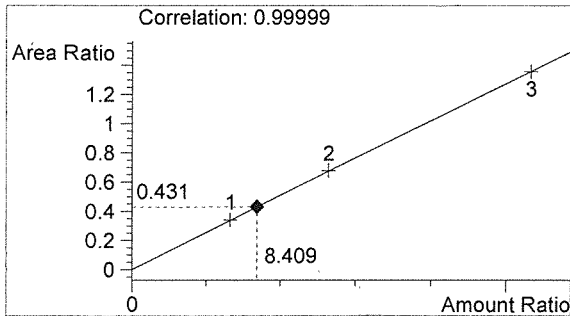
Location: Vial 40

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

Sample Info:

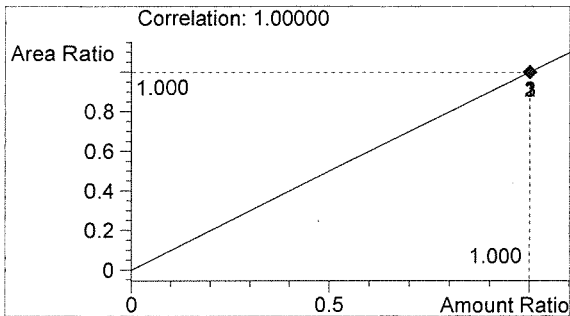


#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.086
2	n-Propanol	2891	1.765



Ethanol 0.101 g/100mL

*Raw*



n-Propanol 0.012 g/100mL

*JK*

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

Inj. Date: 2/28/2017 4:53:35 PM

Sample Name: 17022-4

Instrument: HSGC#1

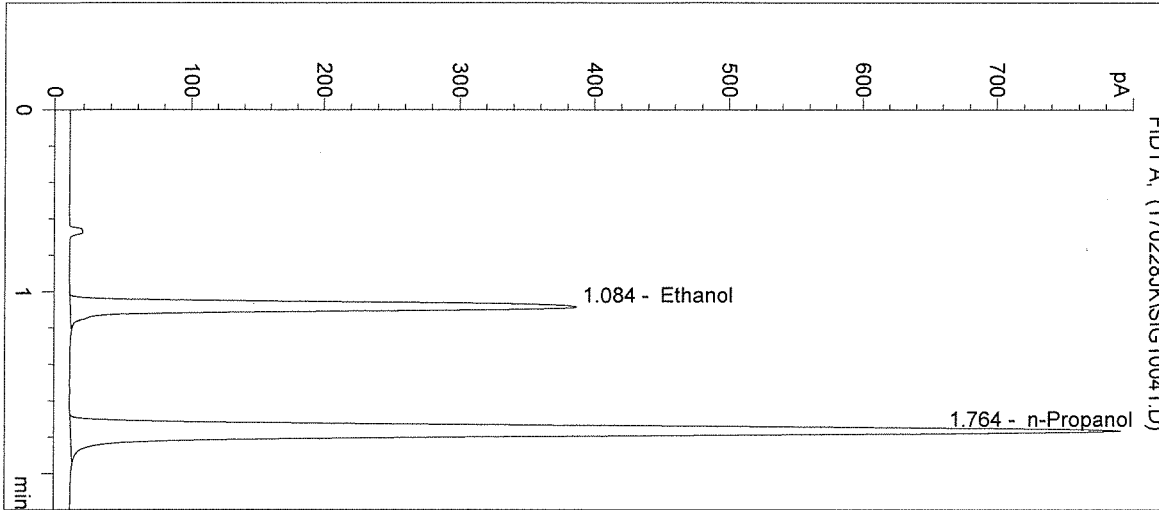
Operator: Justin Knoy

Column: DB-ALC1

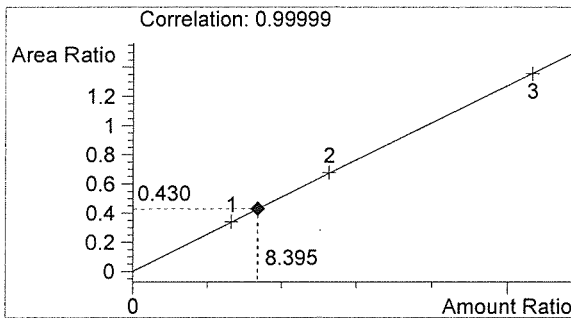
Location: Vial 41

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

Sample Info:

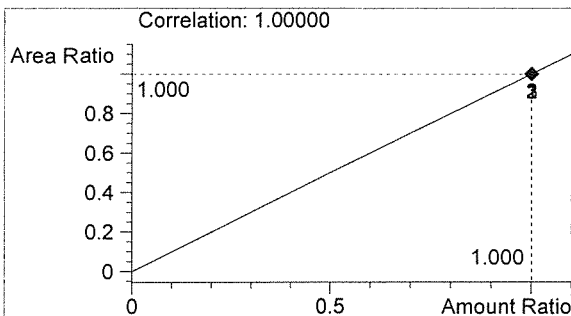


#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.084
2	n-Propanol	2934	1.764



Ethanol 0.101 g/100mL

*RAW*



n-Propanol 0.012 g/100mL

*JL*



Inj. Date: 2/28/2017 4:56:48 PM

Sample Name: 17022-5

Instrument: HSGC#1

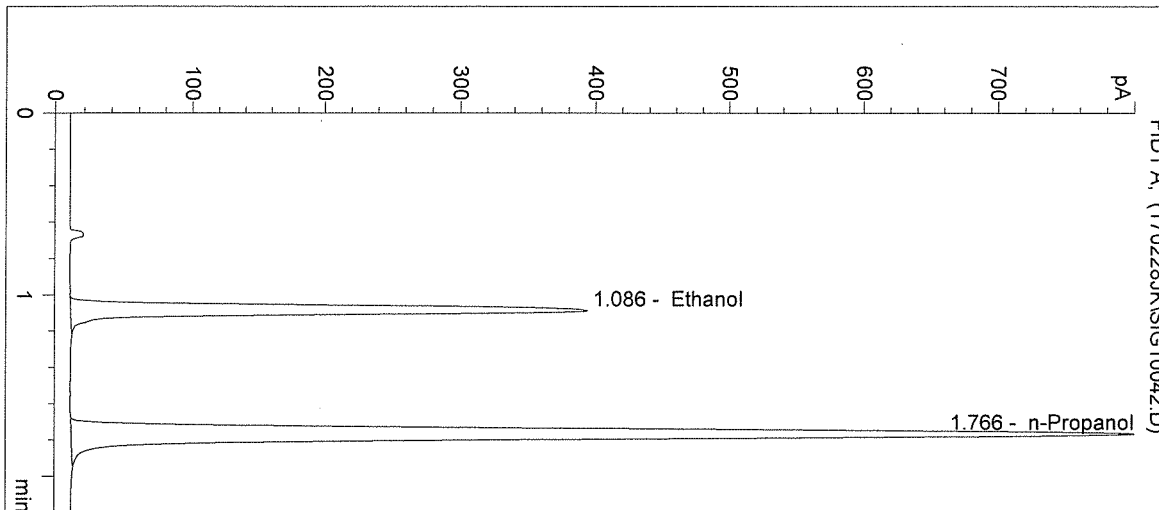
Operator: Justin Knoy

Column: DB-ALC1

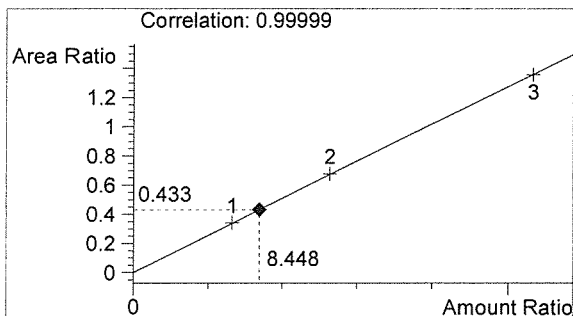
Location: Vial 42

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

Sample Info:

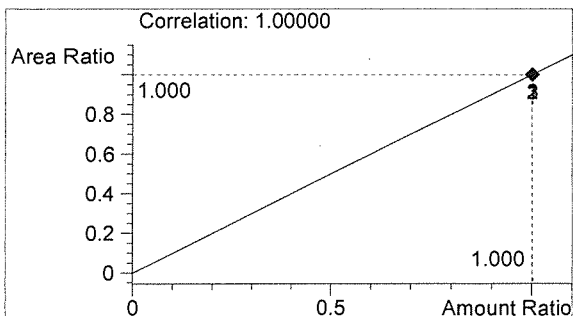


#	Compound	Peak Area	RT (min)
1	Ethanol	1300	1.086
2	n-Propanol	3002	1.766



Ethanol 0.101 g/100mL

*RLW*



n-Propanol 0.012 g/100mL

*JK*

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

Inj. Date: 2/28/2017 5:00:01 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

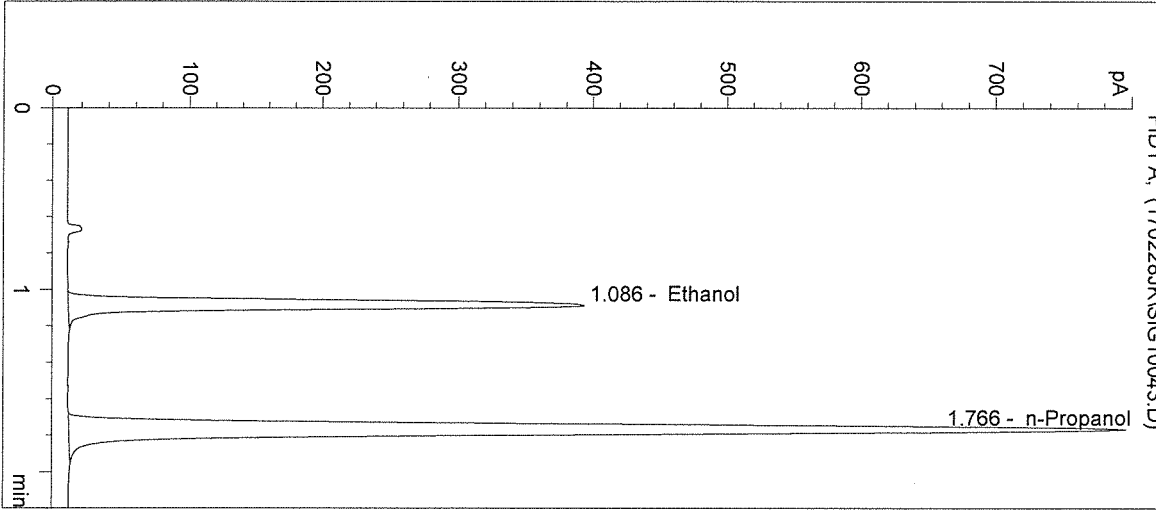
Operator: Justin Knoy

Column: DB-ALC1

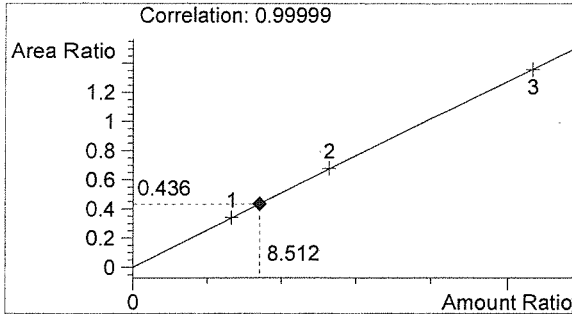
Location: Vial 43

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

Sample Info: 17022

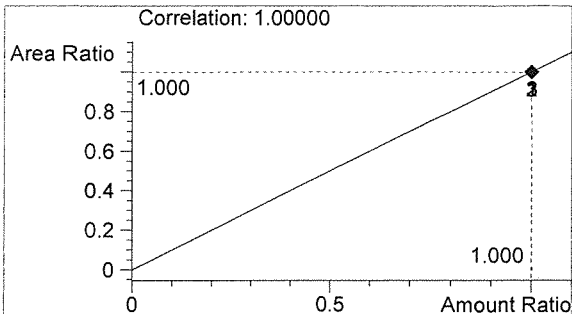


#	Compound	Peak Area	RT (min)
1	Ethanol	1299	1.086
2	n-Propanol	2977	1.766



Ethanol 0.102 g/100mL

*AKO*



n-Propanol 0.012 g/100mL

*JK*

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

Inj. Date: 2/28/2017 5:03:15 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

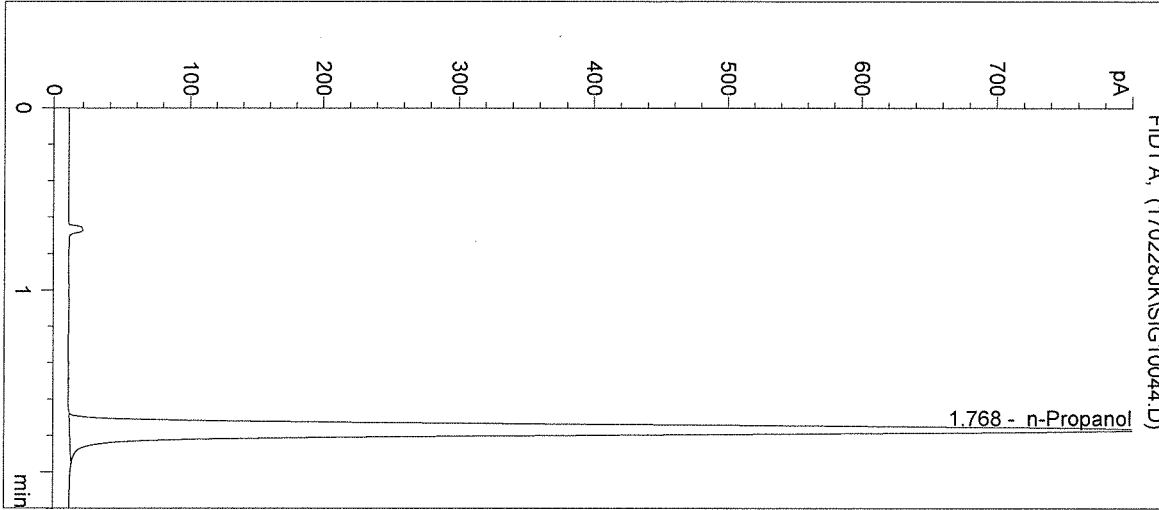
Operator: Justin Knoy

Column: DB-ALC1

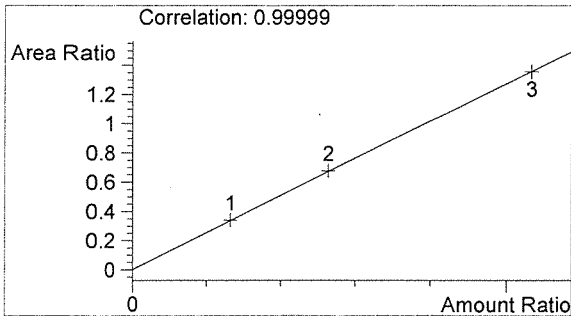
Location: Vial 44

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

Sample Info: 17022

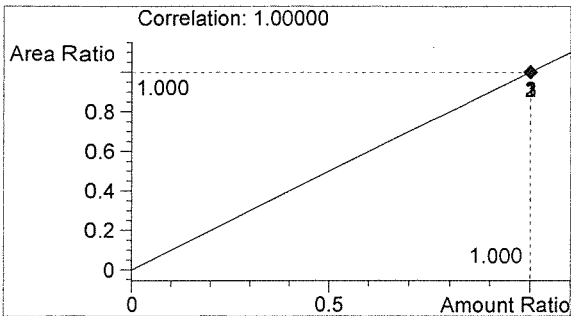


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3061	1.768



Ethanol 0.000 g/100mL

*AKW*



n-Propanol 0.012 g/100mL

*JK*