



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 17020

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

IDENTITY: QAP Solution  
PREPARED BY: Elizabeth Wehner

	EW	DN	JLK
1	0.191	0.186	0.192
2	0.186	0.187	0.188
3	0.192	0.189	0.188
4	0.192	0.187	0.188
5	0.187	0.188	0.188
C	0.103	0.101	0.101

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1886 g/100mL PRECISION CV (%): 1.13  
STANDARD DEVIATION: 0.00213 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1533 g/210L  
EXPANDED UNCERTAINTY: ± 0.0038 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Brianne E. O'Reilly*  
\_\_\_\_\_  
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	<i>Elizabeth Wehner</i>	02/24/2017
DN	David Nguyen	<i>David Nguyen</i>	02/28/2017
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	02/28/2017

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

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

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17020

	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 #: 17020

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	0.191	0.186	0.192
2	0.186	0.187	0.188
3	0.192	0.189	0.188
4	0.192	0.187	0.188
5	0.187	0.188	0.188
C	0.103	0.101	0.101

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000085144	0.0000429992	0.0001016326

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

Average Solution Concentration: 0.1886 g/100mL  
Standard Deviation: 0.00213 g/100mL  
Precision CV (%): 1.13  
Equivalent Vapor Concentration: 0.1533 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 [Signature] 3-15-17 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		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	3/3/17
Dawn Sklerov		
Elizabeth Wehner	EW	3/7/17
Justin Kroy	JK	3.3.17
Katie Harris		
Lyndsey Kroy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17020  
BW 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 17020**

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 17020, 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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17020**

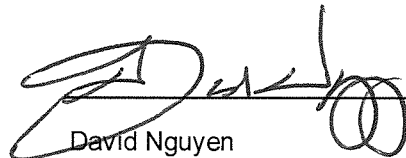
I, David Nguyen, do certify under penalty of perjury that:

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 17020, 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





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: 2FE0139

Date the 200-proof Ethanol bottle was opened: 2/16/17

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 checked="" type="checkbox"/>	<u>17018</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17019</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u>          </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17020</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17021</u>
ESS	66.5	52	<input type="checkbox"/>	<u>          </u>

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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Aizabeth Wehner  
Analyst Signature

2/24/17  
Date

17020  
Beo 3.3.17



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.

17020  
 RW 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	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		

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!

17020  
Aug 3 3:17

EW

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

Inj. Date: 2/24/2017 11:01:22 AM

Sample Name: 17020 #1

Instrument: HSGC#1

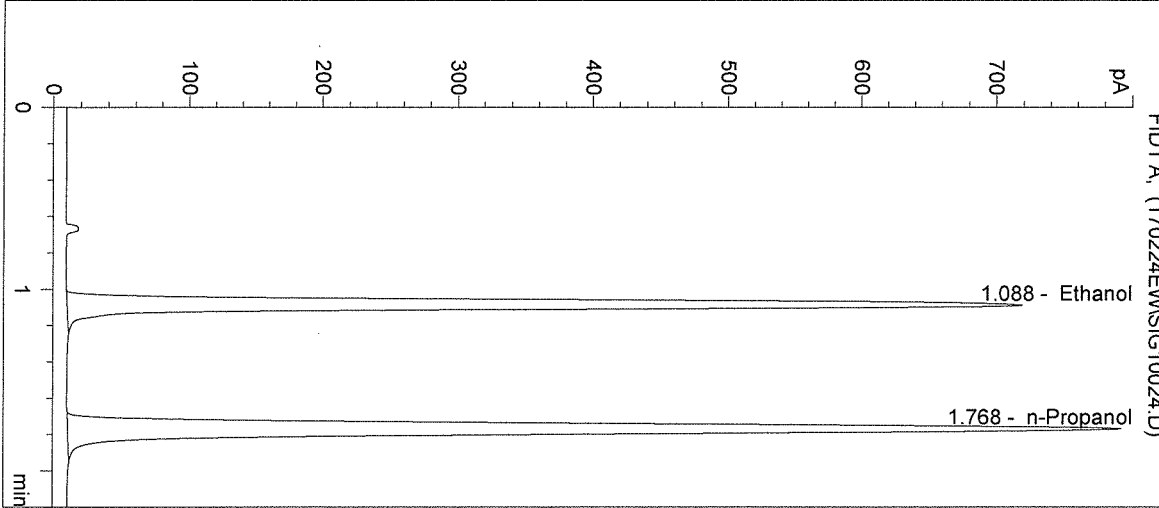
Operator: Elizabeth Wehner

Column: DB-ALC1

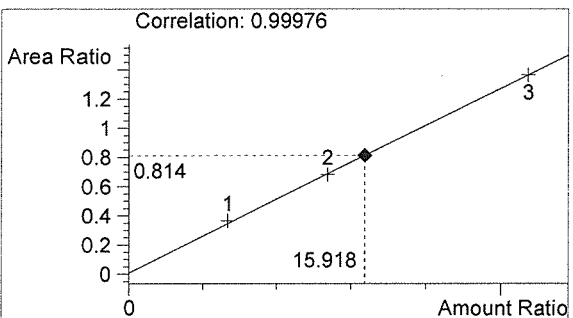
Location: Vial 24

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

Sample Info:

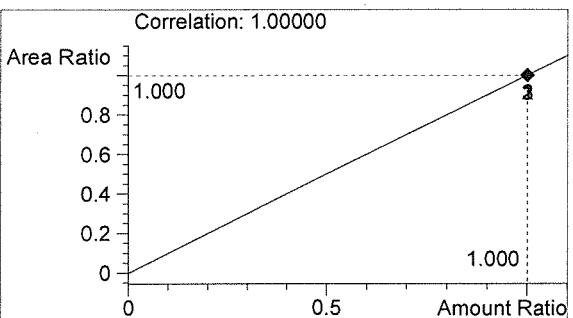


#	Compound	Peak Area	RT (min)
1	Ethanol	2437	1.088
2	n-Propanol	2995	1.768



Ethanol 0.191 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*EW*

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

Inj. Date: 2/24/2017 11:04:36 AM

Sample Name: 17020 #2

Instrument: HSGC#1

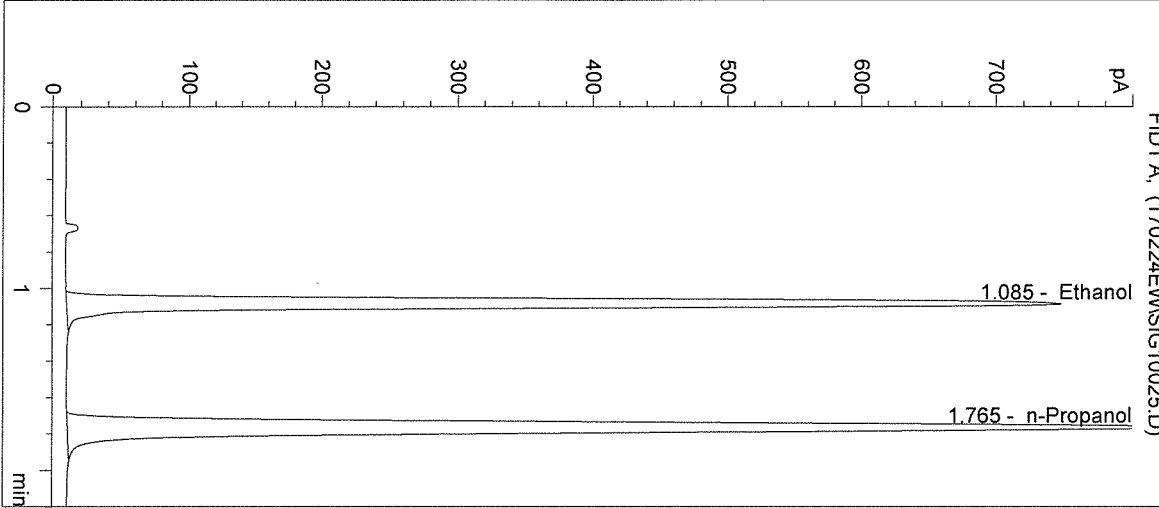
Operator: Elizabeth Wehner

Column: DB-ALC1

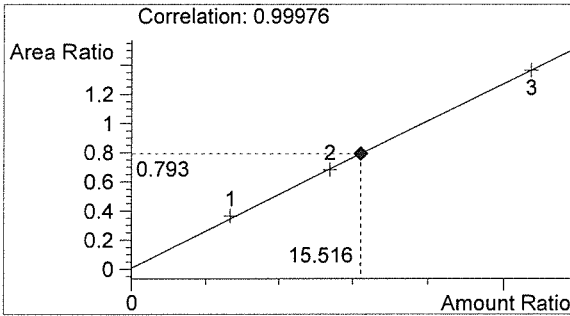
Location: Vial 25

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

Sample Info:

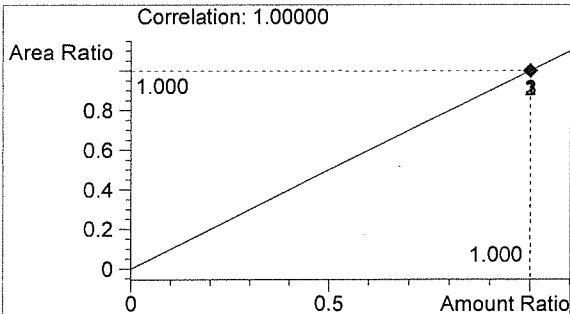


#	Compound	Peak Area	RT (min)
1	Ethanol	2499	1.085
2	n-Propanol	3150	1.765



Ethanol 0.186 g/100mL

*BUO*



n-Propanol 0.012 g/100mL

*EW*

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

Inj. Date: 2/24/2017 11:07:49 AM

Sample Name: 17020 #3

Instrument: HSGC#1

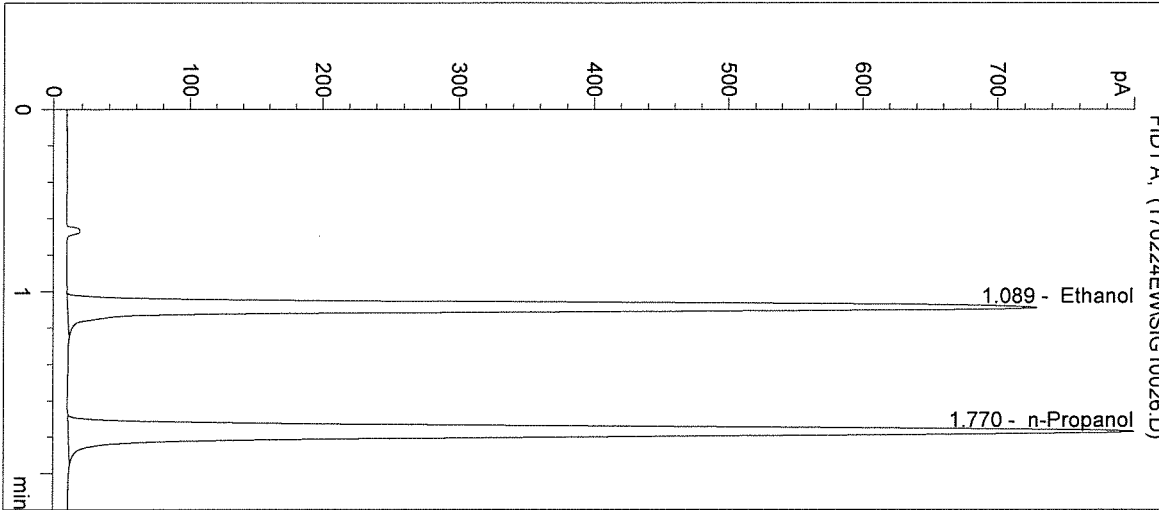
Operator: Elizabeth Wehner

Column: DB-ALC1

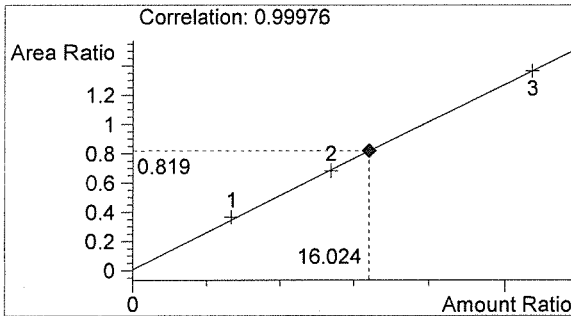
Location: Vial 26

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

Sample Info:

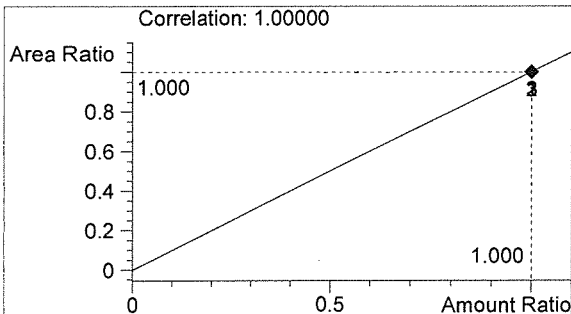


#	Compound	Peak Area	RT (min)
1	Ethanol	2480	1.089
2	n-Propanol	3028	1.770



Ethanol 0.192 g/100mL

*PLU*



n-Propanol 0.012 g/100mL

*EW*

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

Inj. Date: 2/24/2017 11:11:02 AM

Sample Name: 17020 #4

Instrument: HSGC#1

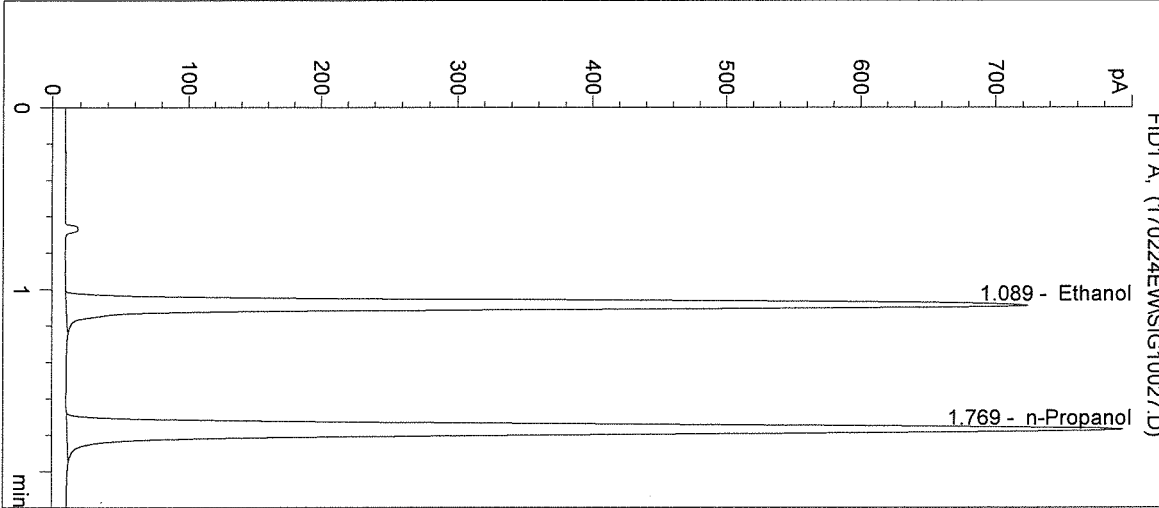
Operator: Elizabeth Wehner

Column: DB-ALC1

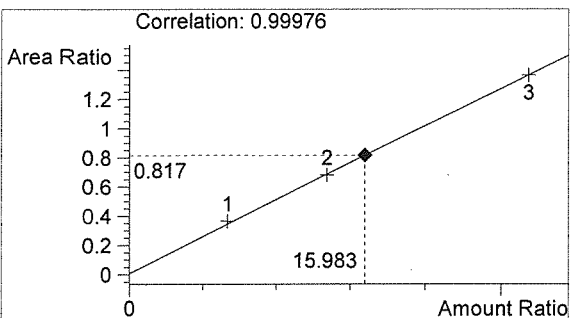
Location: Vial 27

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

Sample Info:

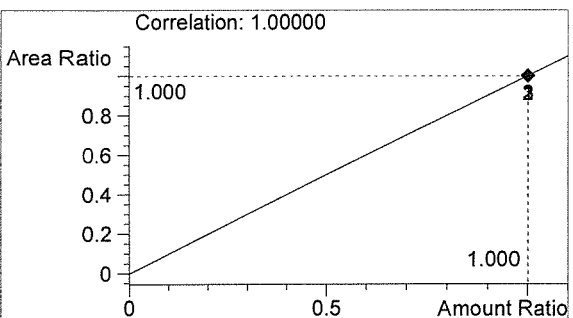


#	Compound	Peak Area	RT (min)
1	Ethanol	2453	1.089
2	n-Propanol	3003	1.769



Ethanol 0.192 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*EW*

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

Inj. Date: 2/24/2017 11:14:16 AM

Sample Name: 17020 #5

Instrument: HSGC#1

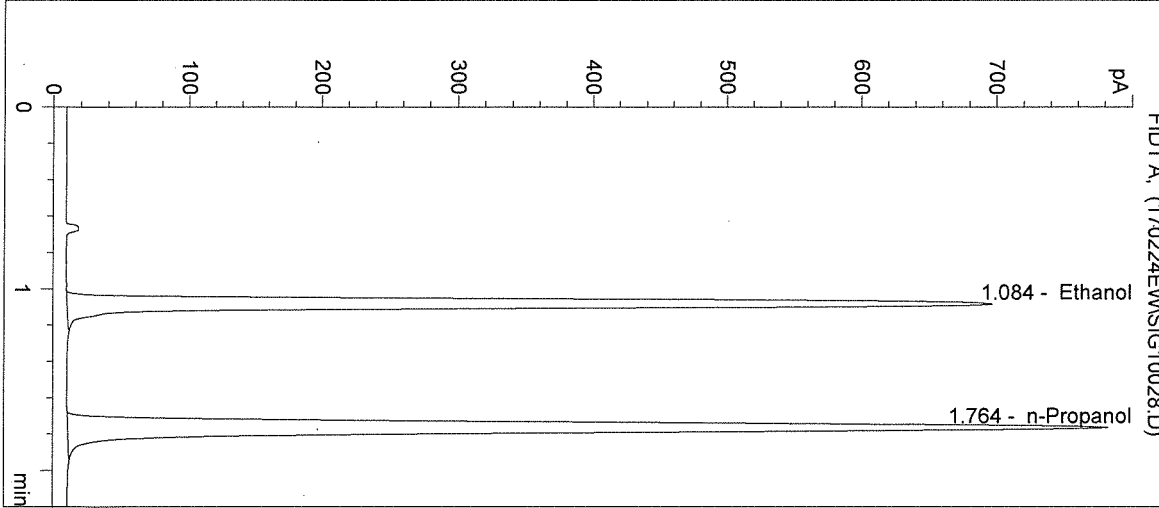
Operator: Elizabeth Wehner

Column: DB-ALC1

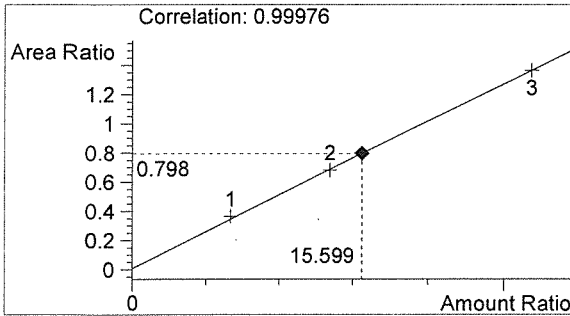
Location: Vial 28

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

Sample Info:

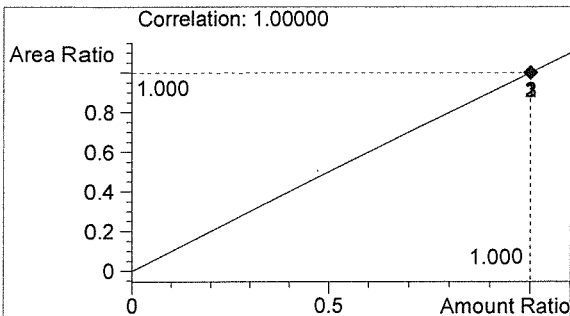


#	Compound	Peak Area	RT (min)
1	Ethanol	2317	1.084
2	n-Propanol	2906	1.764



Ethanol 0.187 g/100mL

*PLW*

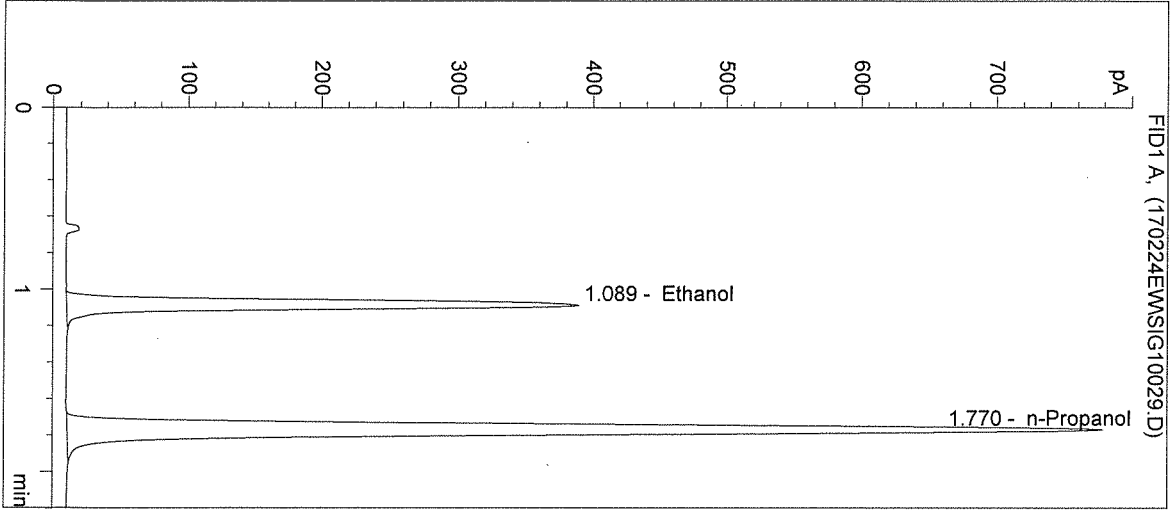


n-Propanol 0.012 g/100mL

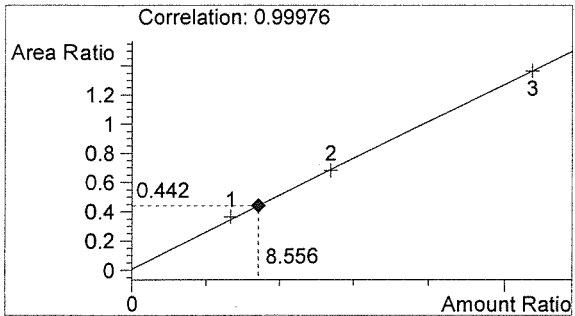
*EW*

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

Inj. Date: 2/24/2017 11:17:29 AM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#1      Operator: Elizabeth Wehner  
 Column: DB-ALC1      Location: Vial 29  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17020

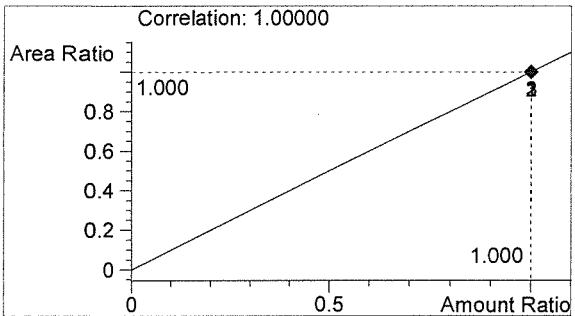


#	Compound	Peak Area	RT (min)
1	Ethanol	1299	1.089
2	n-Propanol	2941	1.770



Ethanol      0.103 g/100mL

*Bud*



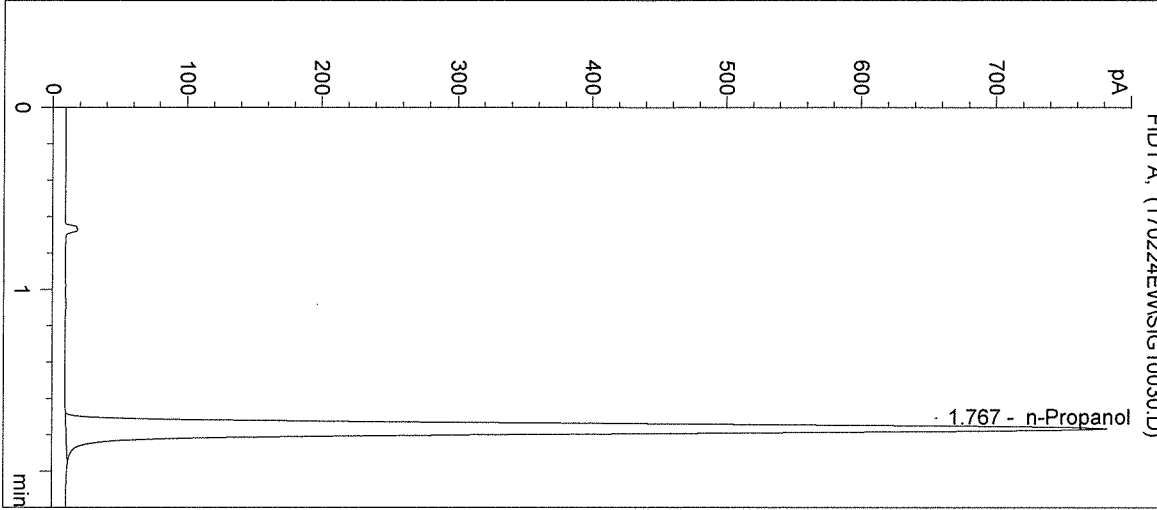
n-Propanol      0.012 g/100mL

*EW*

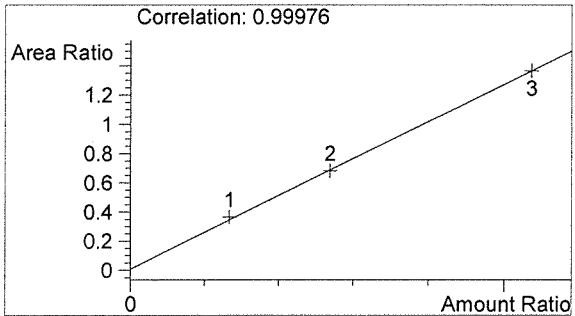


Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 11:20:42 AM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Elizabeth Wehner  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 17020

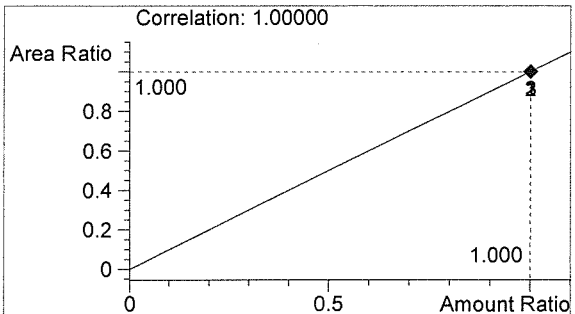


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2927	1.767



Ethanol      0.000 g/100mL

*BE*



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		

17020  
 PLU 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		

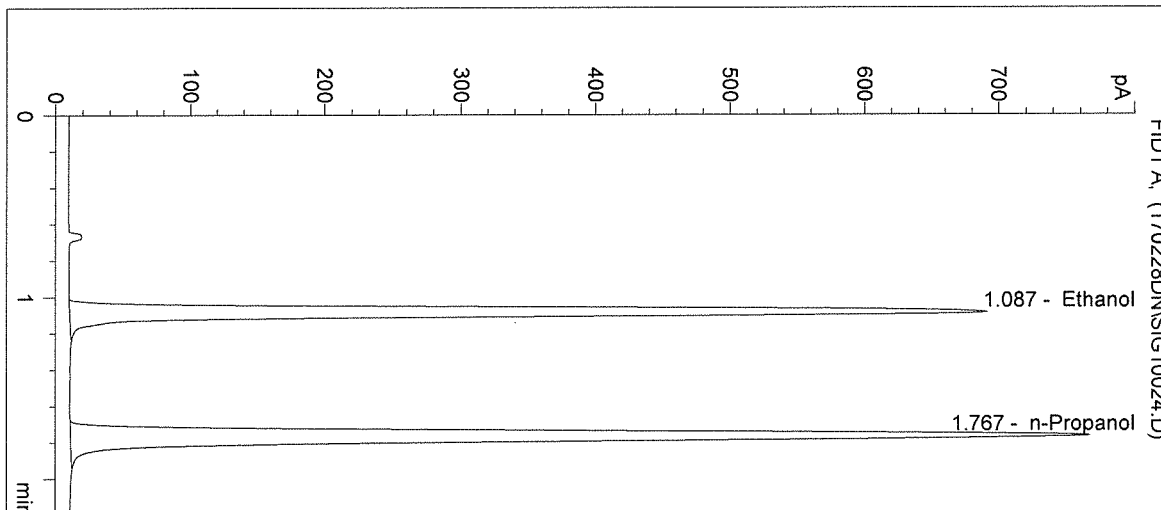
Sequence Table (Back Injector):

No entries - empty table!

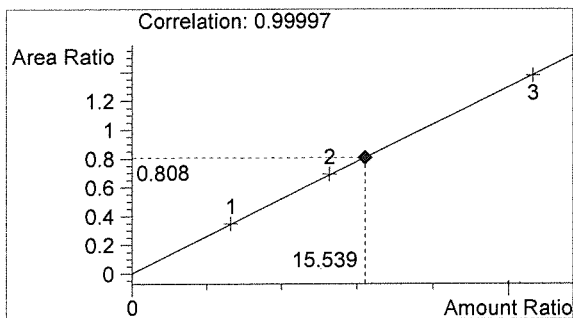
17020  
Buo 3-3-17

DN

Inj. Date: 2/28/2017 10:19:51 AM      Sample Name: 17020 #1  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 24  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

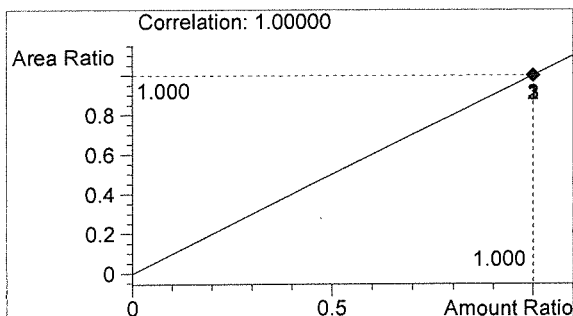


#	Compound	Peak Area	RT (min)
1	Ethanol	2325	1.087
2	n-Propanol	2876	1.767



Ethanol      0.186 g/100mL

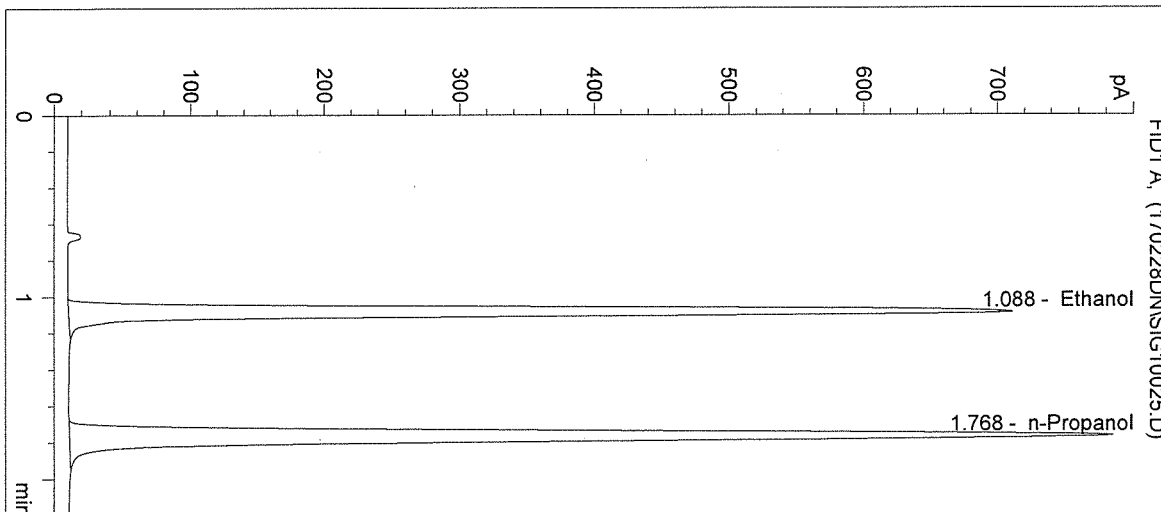
*AWO*



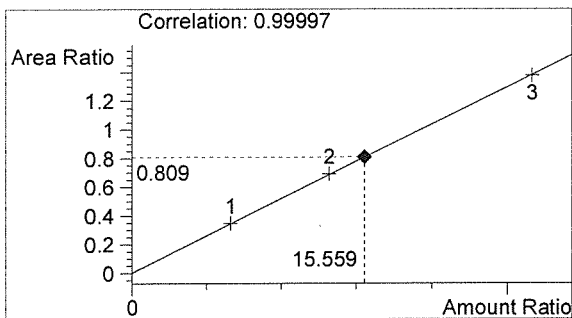
n-Propanol      0.012 g/100mL

*DN*

Inj. Date: 2/28/2017 10:23:04 AM      Sample Name: 17020 #2  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 25  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

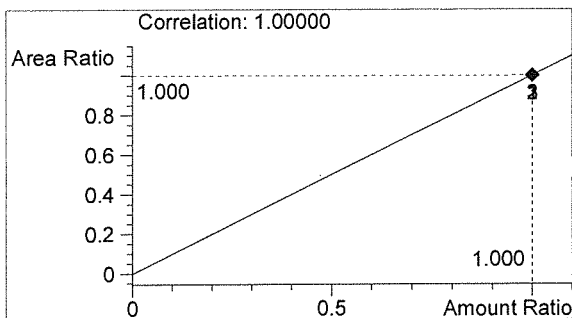


#	Compound	Peak Area	RT (min)
1	Ethanol	2389	1.088
2	n-Propanol	2952	1.768



Ethanol      0.187 g/100mL

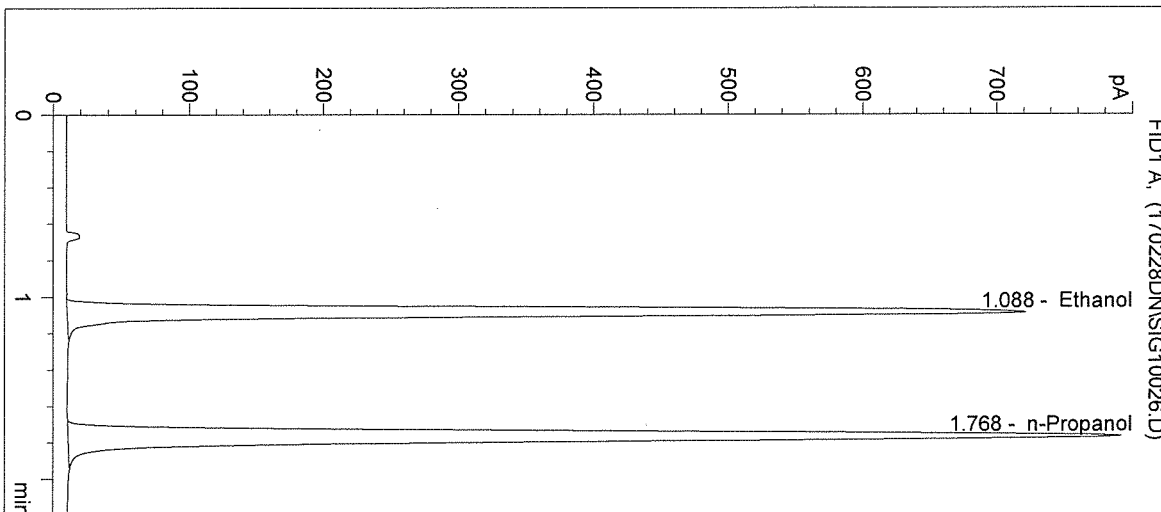
*AW*



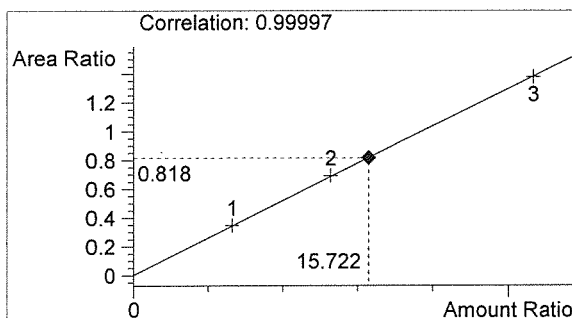
n-Propanol      0.012 g/100mL

*DN*

Inj. Date: 2/28/2017 10:26:18 AM      Sample Name: 17020 #3  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

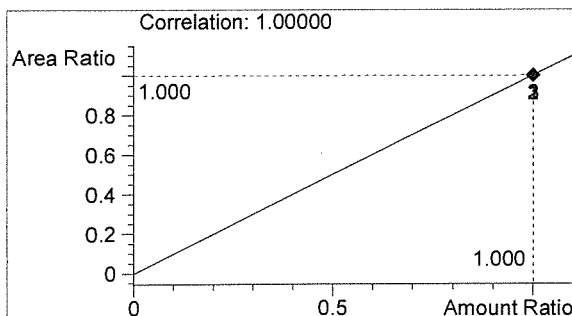


#	Compound	Peak Area	RT (min)
1	Ethanol	2440	1.088
2	n-Propanol	2984	1.768



Ethanol      0.189 g/100mL

*PLW*



n-Propanol      0.012 g/100mL

*DN*

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

Inj. Date: 2/28/2017 10:29:30 AM

Sample Name: 17020 #4

Instrument: HSGC#1

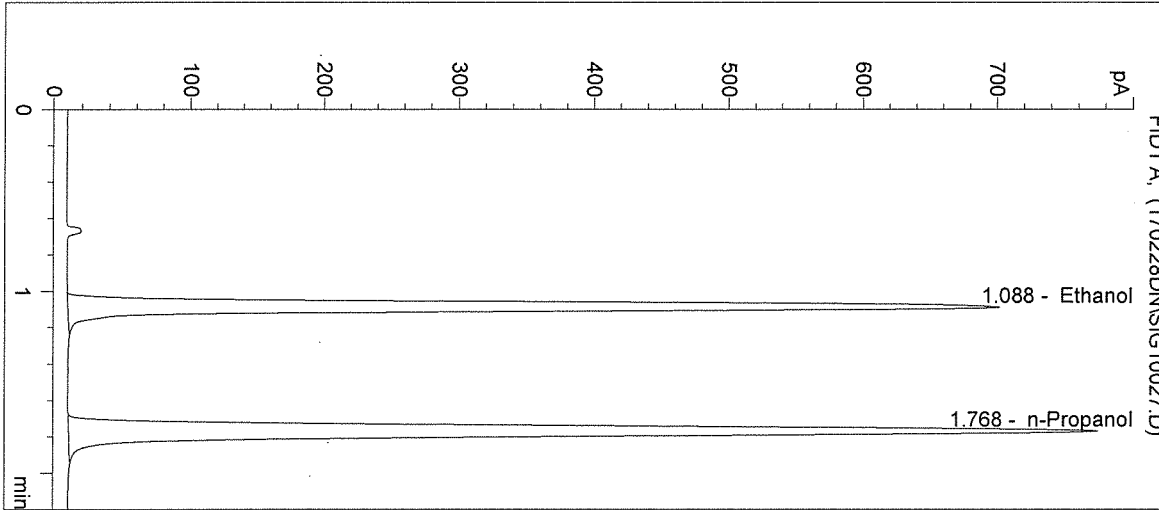
Operator: David Nguyen

Column: DB-ALC1

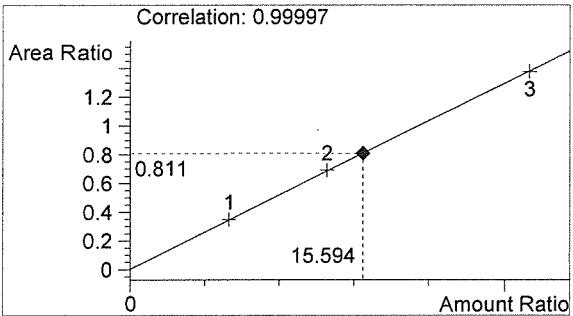
Location: Vial 27

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

Sample Info:

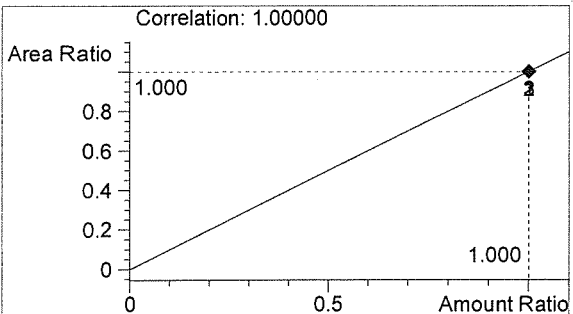


#	Compound	Peak Area	RT (min)
1	Ethanol	2362	1.088
2	n-Propanol	2912	1.768



Ethanol 0.187 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 2/28/2017 10:32:44 AM

Sample Name: 17020 #5

Instrument: HSGC#1

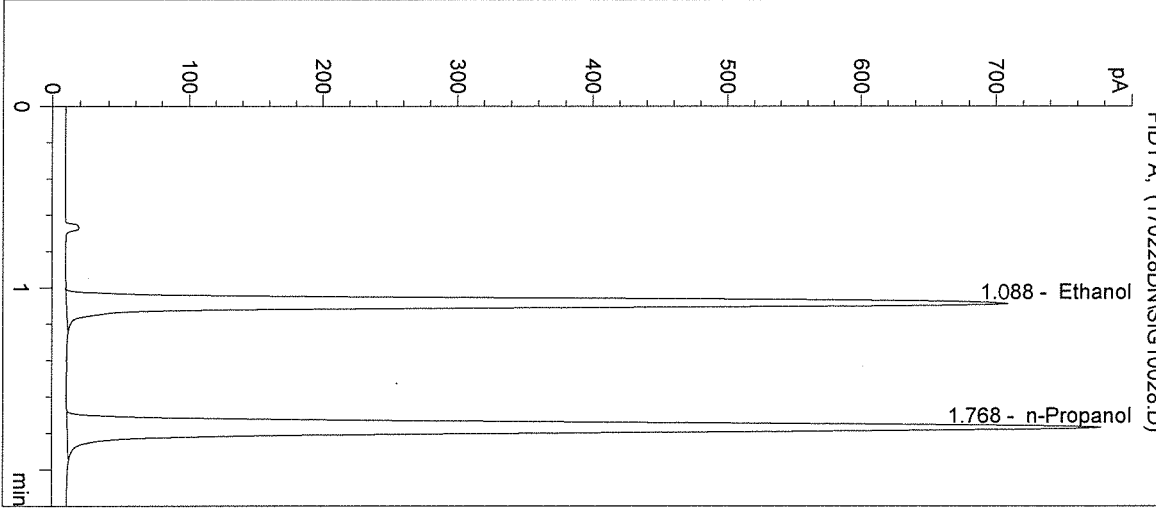
Operator: David Nguyen

Column: DB-ALC1

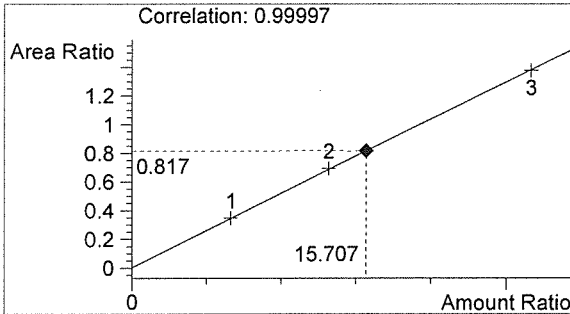
Location: Vial 28

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

Sample Info:

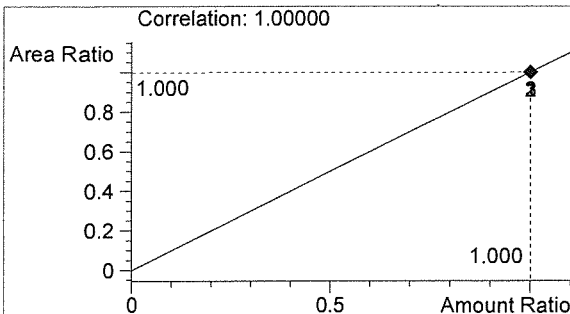


#	Compound	Peak Area	RT (min)
1	Ethanol	2403	1.088
2	n-Propanol	2941	1.768



Ethanol 0.188 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

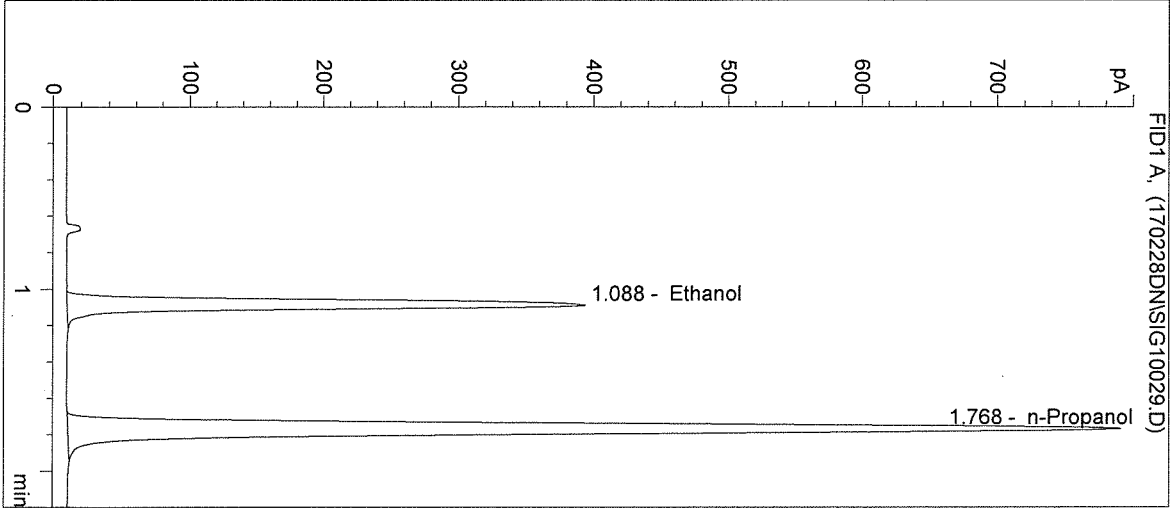


Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

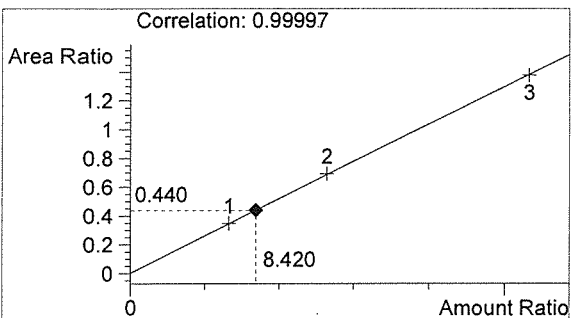
Inj. Date: 2/28/2017 10:35:57 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17020

Sample Name: POS CTRL (0.10)  
 Operator: David Nguyen  
 Location: Vial 29

- >

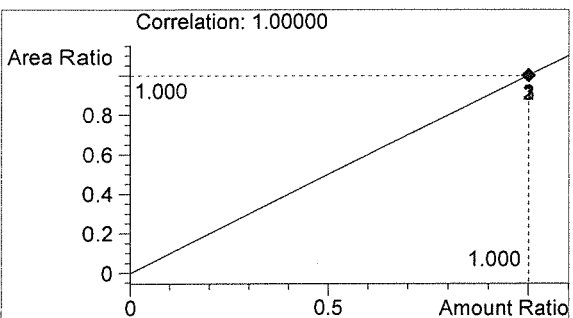


#	Compound	Peak Area	RT (min)
1	Ethanol	1313	1.088
2	n-Propanol	2982	1.768



Ethanol 0.101 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*DN*

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

Inj. Date: 2/28/2017 10:39:10 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

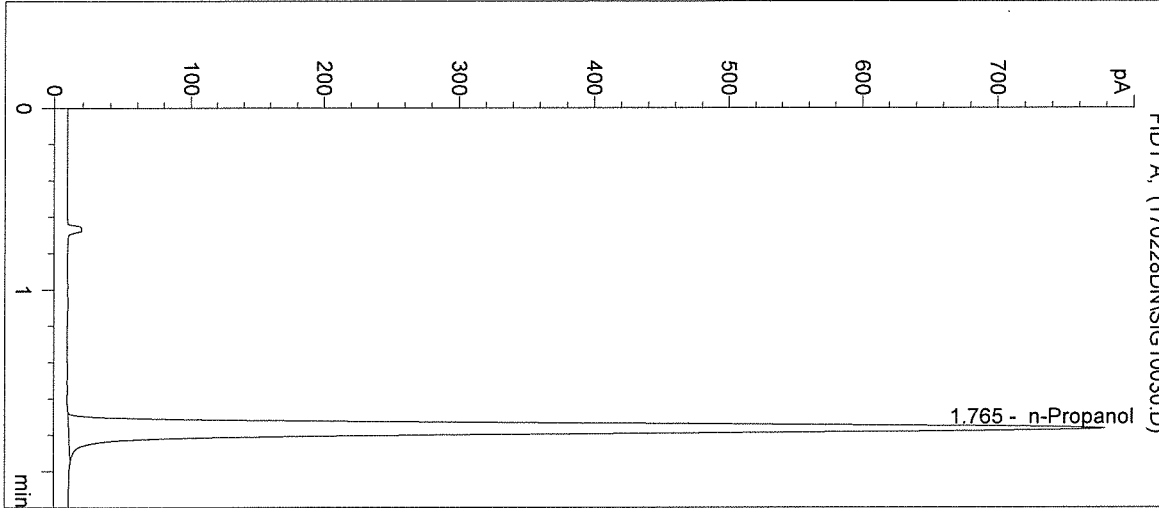
Operator: David Nguyen

Column: DB-ALC1

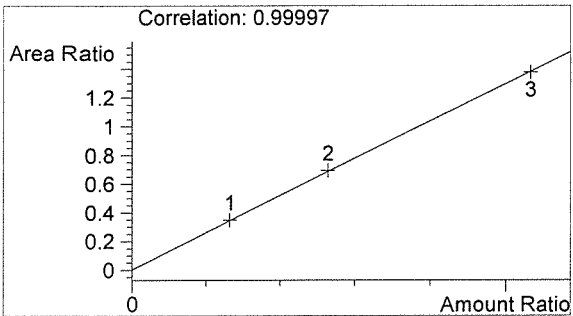
Location: Vial 30

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

Sample Info: 17020

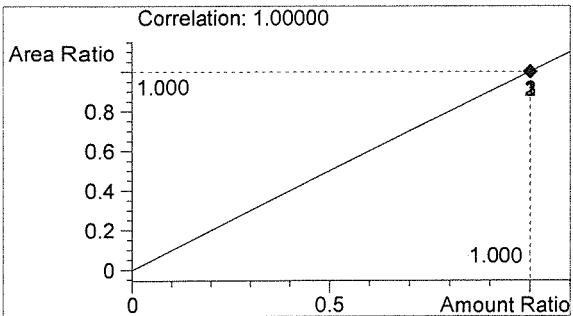


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2911	1.765



Ethanol 0.000 g/100mL

*AWO*



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.

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		

*Blw 3-3-17*  
~~17020~~  
 17020  
*Blw 3-3-17*

*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!

17020  
PWO 3-3-17

JK

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

Inj. Date: 2/28/2017 3:58:49 PM

Sample Name: 17020-1

Instrument: HSGC#1

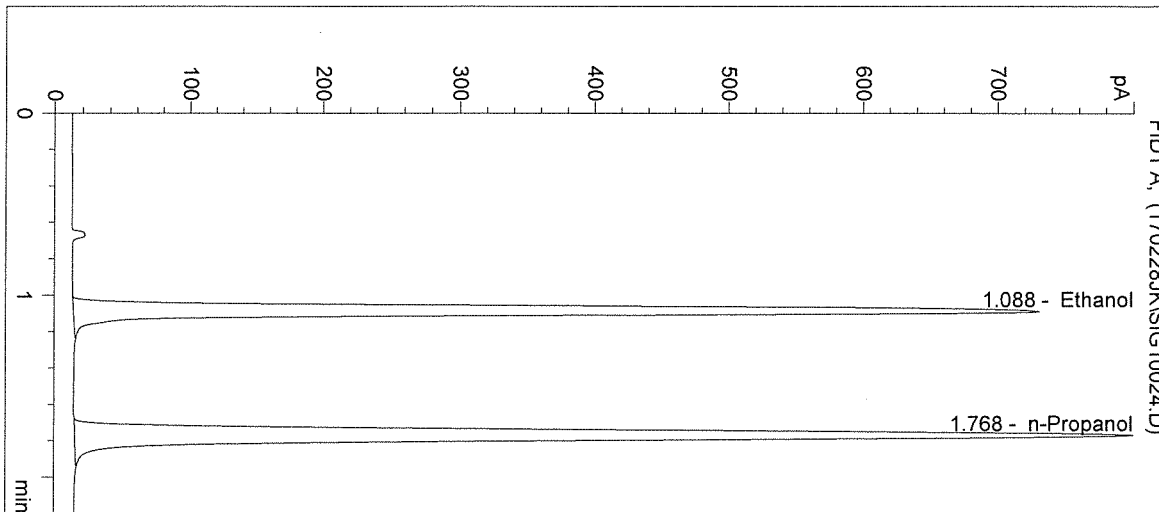
Operator: Justin Knoy

Column: DB-ALC1

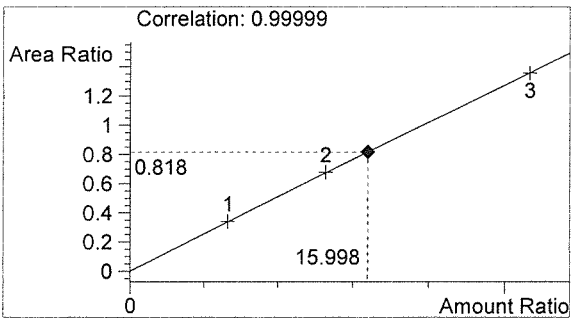
Location: Vial 24

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

Sample Info:

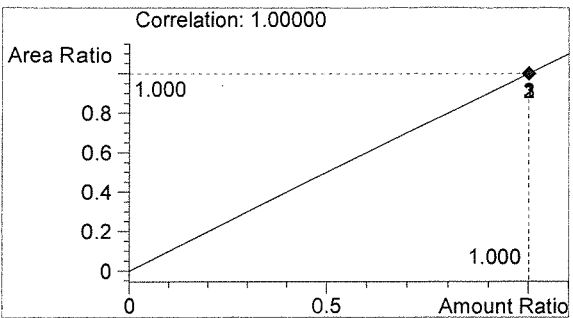


#	Compound	Peak Area	RT (min)
1	Ethanol	2444	1.088
2	n-Propanol	2989	1.768



Ethanol 0.192 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*JK*

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

Inj. Date: 2/28/2017 4:02:02 PM

Sample Name: 17020-2

Instrument: HSGC#1

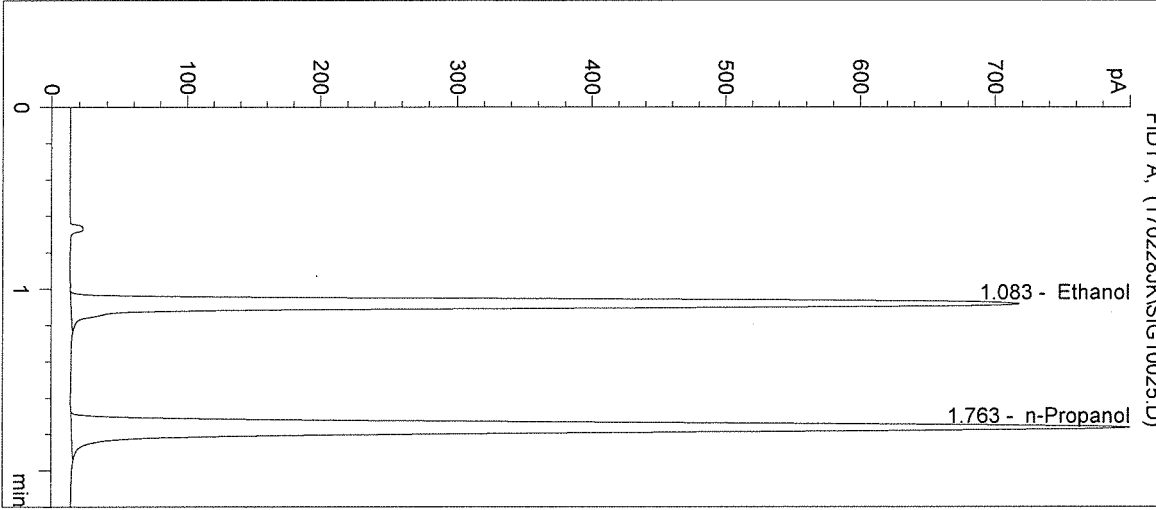
Operator: Justin Knoy

Column: DB-ALC1

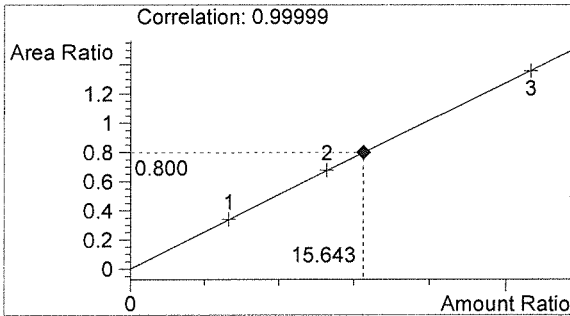
Location: Vial 25

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

Sample Info:

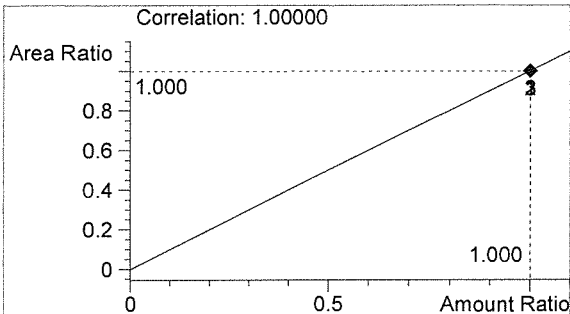


#	Compound	Peak Area	RT (min)
1	Ethanol	2349	1.083
2	n-Propanol	2938	1.763



Ethanol 0.188 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*JZ*

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

Inj. Date: 2/28/2017 4:05:16 PM

Sample Name: 17020-3

Instrument: HSGC#1

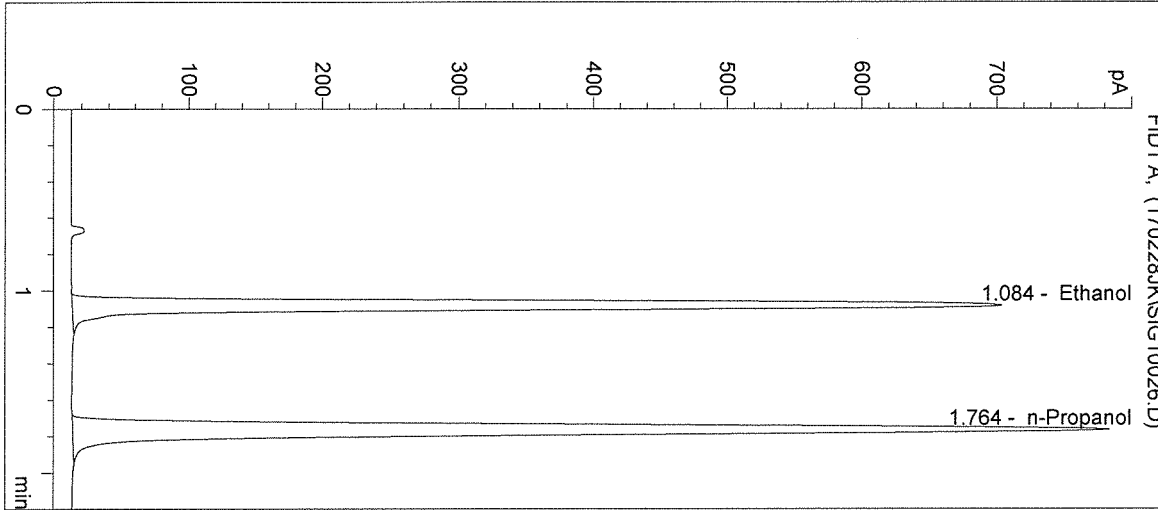
Operator: Justin Knoy

Column: DB-ALC1

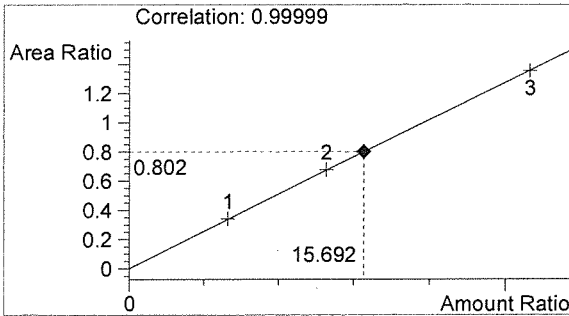
Location: Vial 26

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

Sample Info:

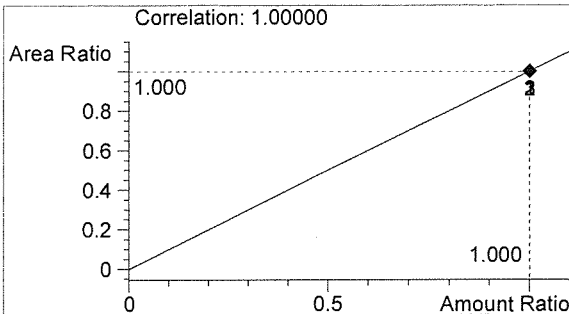


#	Compound	Peak Area	RT (min)
1	Ethanol	2317	1.084
2	n-Propanol	2888	1.764



Ethanol 0.188 g/100mL

*AKW*



n-Propanol 0.012 g/100mL

*JZ*

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

Inj. Date: 2/28/2017 4:08:29 PM

Sample Name: 17020-4

Instrument: HSGC#1

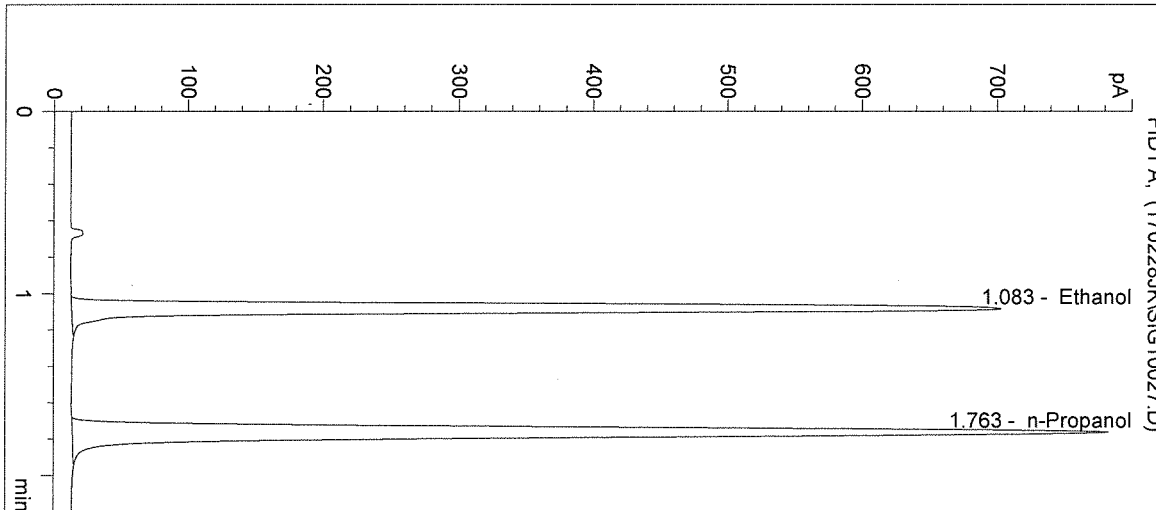
Operator: Justin Knoy

Column: DB-ALC1

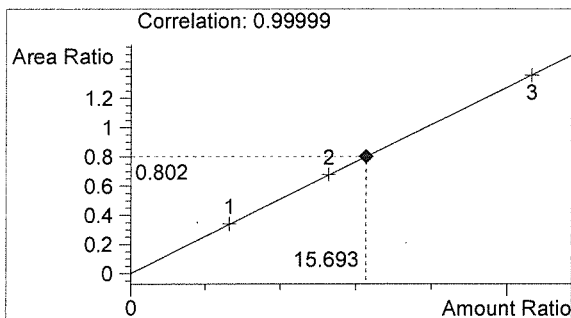
Location: Vial 27

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

Sample Info:

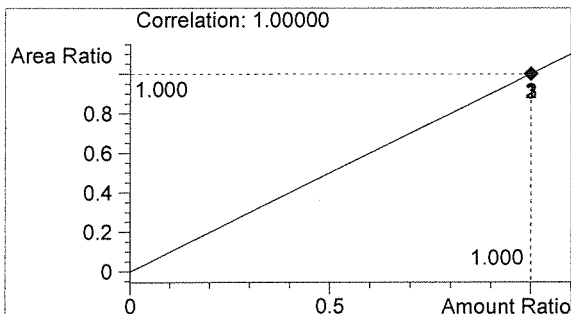


#	Compound	Peak Area	RT (min)
1	Ethanol	2315	1.083
2	n-Propanol	2886	1.763



Ethanol 0.188 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*JK*



Inj. Date: 2/28/2017 4:11:42 PM

Sample Name: 17020-5

Instrument: HSGC#1

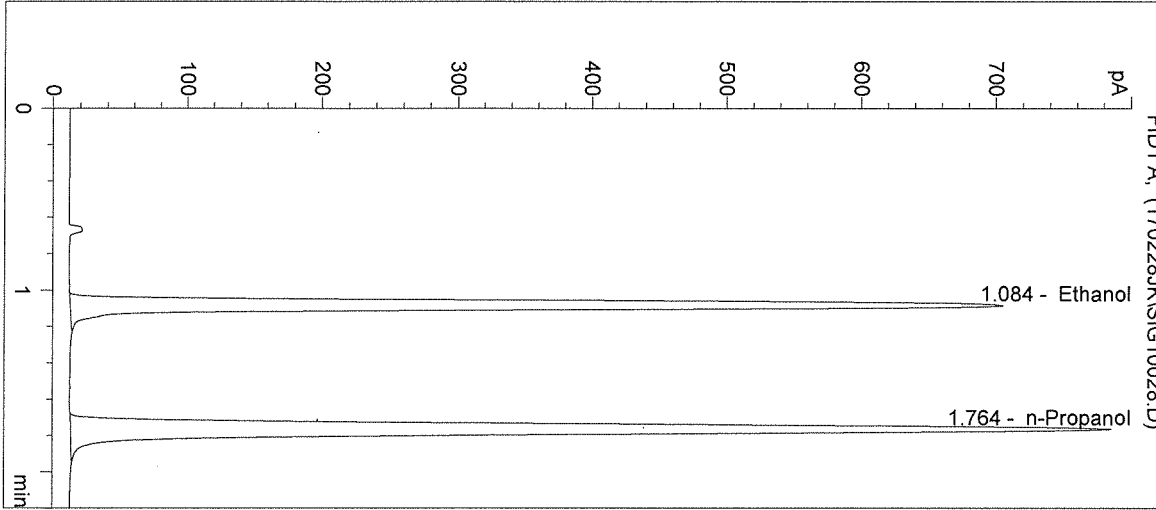
Operator: Justin Knoy

Column: DB-ALC1

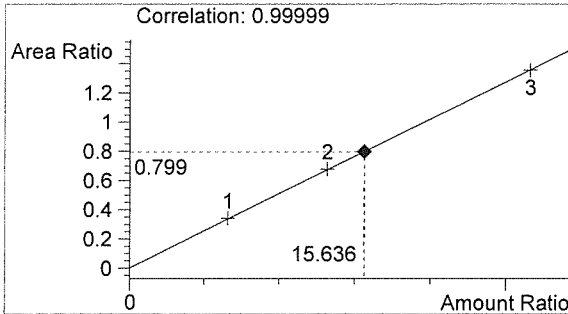
Location: Vial 28

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

Sample Info:

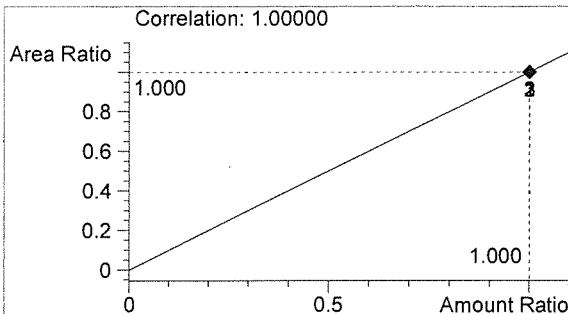


#	Compound	Peak Area	RT (min)
1	Ethanol	2315	1.084
2	n-Propanol	2896	1.764



Ethanol 0.188 g/100mL

*PW*



n-Propanol 0.012 g/100mL

*JK*

Inj. Date: 2/28/2017 4:14:55 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

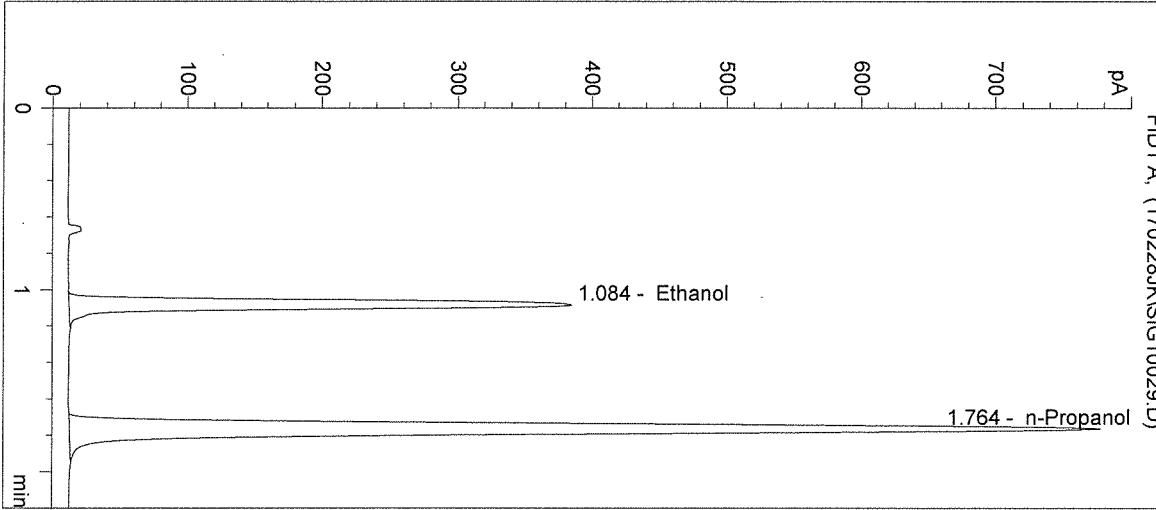
Operator: Justin Knoy

Column: DB-ALC1

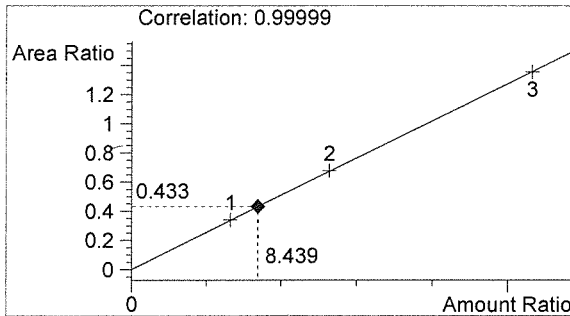
Location: Vial 29

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

Sample Info: 17020

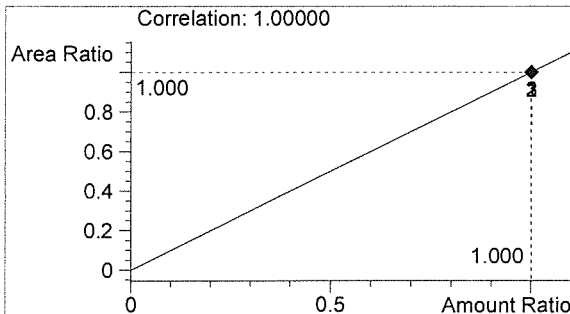


#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.084
2	n-Propanol	2876	1.764



Ethanol 0.101 g/100mL

*AW*

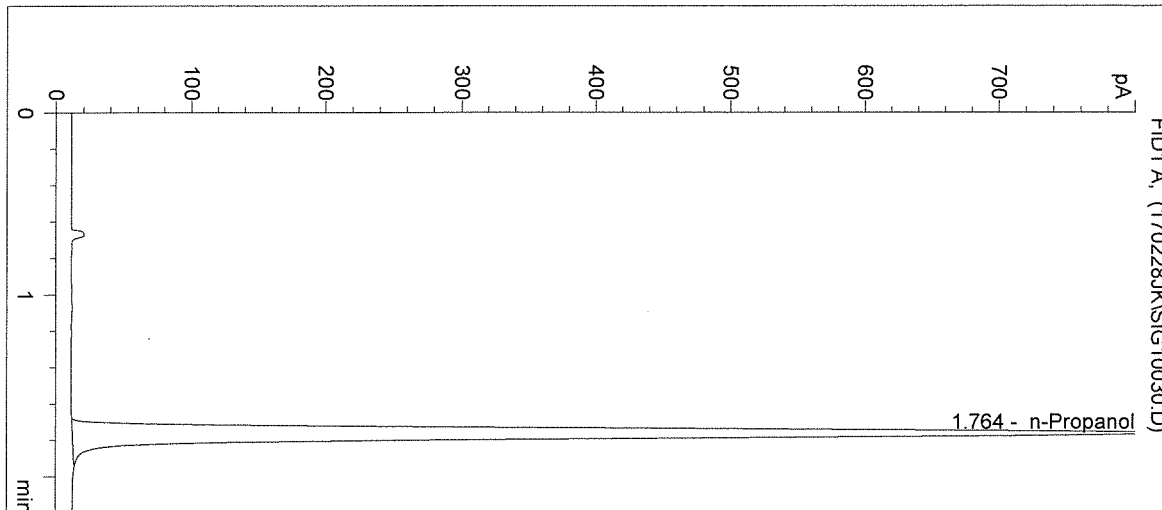


n-Propanol 0.012 g/100mL

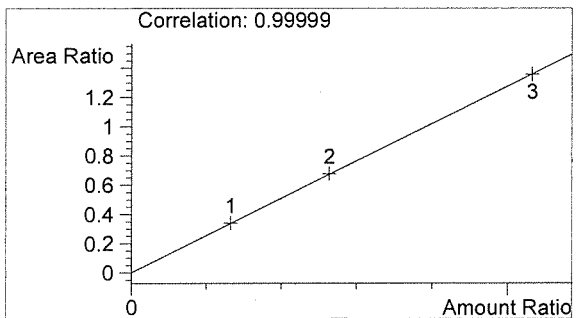
*JK*

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

Inj. Date: 2/28/2017 4:18:08 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 17020

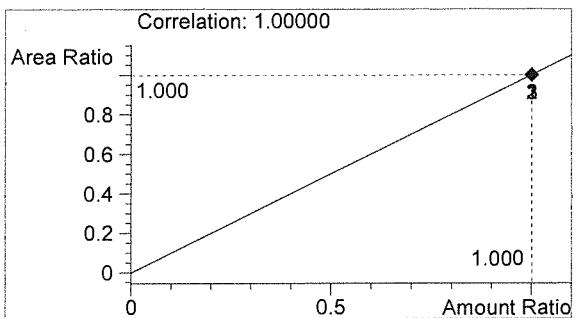


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3031	1.764



Ethanol      0.000 g/100mL

*AKW*



n-Propanol      0.012 g/100mL

*JK*