



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16064

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: 12/31/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: David Nguyen

	DN	EW	AC
1	0.102	0.100	0.101
2	0.101	0.100	0.101
3	0.103	0.102	0.102
4	0.102	0.101	0.100
5	0.100	0.102	0.100
C	0.104	0.103	0.103

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1011 g/100mL PRECISION CV (%): 0.98
STANDARD DEVIATION: 0.00099 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0822 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)


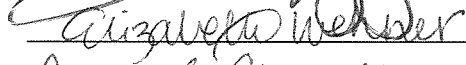
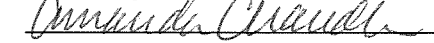
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Brianne E. O'Reilly Technical Lead

1-17-2017
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
DN	David Nguyen		12/31/2016
EW	Elizabeth Wehner		12/31/2016
AC	Amanda Chandler		01/07/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 1-20-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16064

	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: 1-20-17

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

QAP Solution Batch #: 16064

Date Prepared: 12/31/2016

Analyst:	DN	EW	AC
Date Tested:	12/31/2016	12/31/2016	1/7/2017
Instrument:	HSGC 1	HSGC 1	HSGC 1
1	0.102	0.100	0.101
2	0.101	0.100	0.101
3	0.103	0.102	0.102
4	0.102	0.101	0.100
5	0.100	0.102	0.100
C	0.104	0.103	0.103

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000063939	0.0000104058	0.0001016326

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

Average Solution Concentration: 0.1011 g/100mL
Standard Deviation: 0.00099 g/100mL
Precision CV (%): 0.98
Equivalent Vapor Concentration: 0.0822 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 E O'Reilly 1-12-17
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 1-20-17 Method: Hand Calculation
Name Signature Date

Tech. review performed by: Brianne E. O'Reilly Brianne E O'Reilly 1-12-17
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	AZ	1/17/17
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	1/17/17
Dawn Sklerov		
Elizabeth Wehner	EW	1/17/17
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16064
BLO 1.12.17

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 16064**

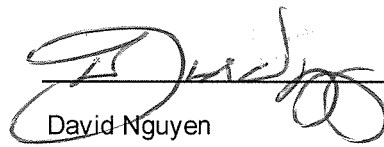
I, David Nguyen, do certify under penalty of perjury that:

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 16064, was prepared in the Washington State Toxicology Laboratory on 12/31/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 12/31/2017.

Seattle, WA


David Nguyen 1/17/17
Forensic Scientist Date

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16064**


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 16064, was prepared in the Washington State Toxicology Laboratory on 12/31/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 12/31/2017.

Seattle, WA

 1/17/17

Elizabeth Wehner

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16064**

I, Amanda Chandler, do certify under penalty of perjury that:

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

I possess the following qualifications: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16064, was prepared in the Washington State Toxicology Laboratory on 12/31/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 12/31/2017.

Seattle, WA

 1/17/17

Amanda Chandler

Date

Forensic Scientist



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

Preparation Date: 12/31/14 Expiration Date: 12/31/17 Initials of Preparer: DN

Lot # of 200-proof Ethanol used in preparation: 2DK0010

Date the 200-proof Ethanol bottle was opened: 12/20/14

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>16063</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16064</u>
<i>12/31/16 DN 0.08</i> QAP 0.10	28.4 <i>22.4 12/31/16 DN</i>	18	<input checked="" type="checkbox"/>	<u>16065</u>
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

12/31/14
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:


Analyst Signature

12/31/14
Date

16064
PWO 1-12-17

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: 161231DN
 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: P1116 - X: 02/23/17

 Calibration vials 1-9 filed with 16063.

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	16063 #1	SIMALC1	1	Sample		
11	Vial 11	16063 #2	SIMALC1	1	Sample		
12	Vial 12	16063 #3	SIMALC1	1	Sample		
13	Vial 13	16063 #4	SIMALC1	1	Sample		
14	Vial 14	16063 #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	16064 #1	SIMALC1	1	Sample		
18	Vial 18	16064 #2	SIMALC1	1	Sample		
19	Vial 19	16064 #3	SIMALC1	1	Sample		
20	Vial 20	16064 #4	SIMALC1	1	Sample		
21	Vial 21	16064 #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	16065 #1	SIMALC1	1	Sample		

16064
 BU01-12-17

DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16065 #2	SIMALC1	1	Sample		
26	Vial 26	16065 #3	SIMALC1	1	Sample		
27	Vial 27	16065 #4	SIMALC1	1	Sample		
28	Vial 28	16065 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	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):

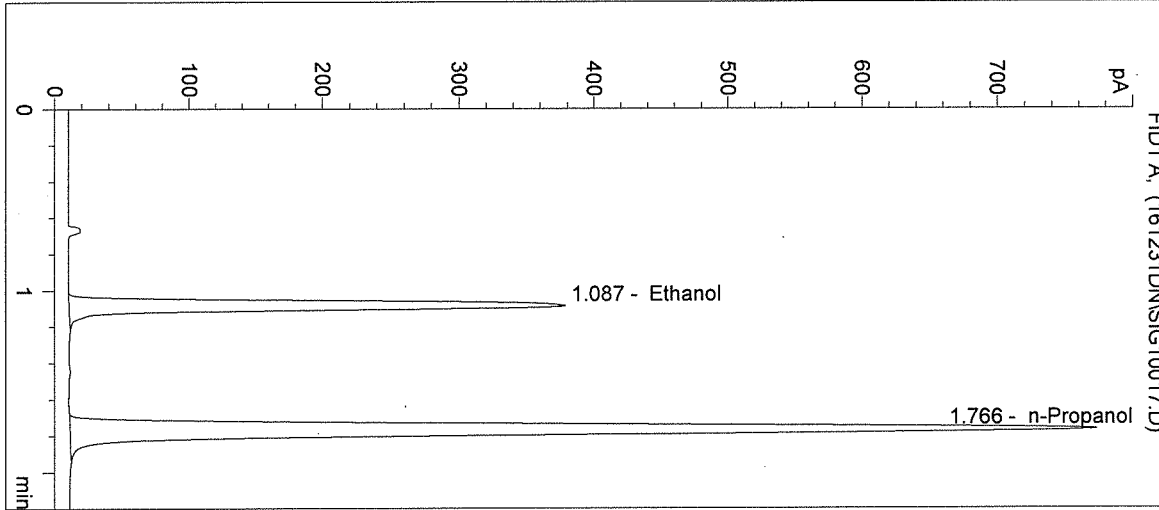
No entries - empty table!

16064
Bu01-12-17

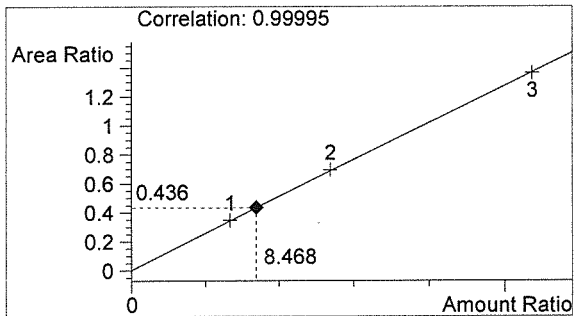
DN

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

Inj. Date: 12/31/2016 10:18:17 AM Sample Name: 16064 #1
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 17
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

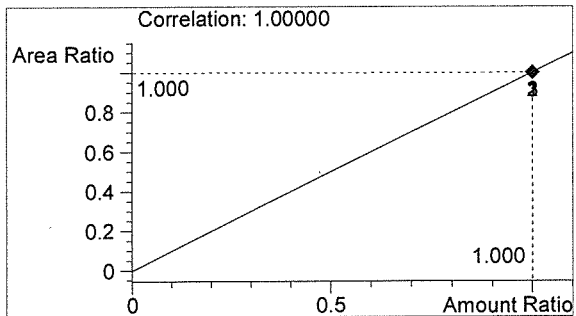


#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.087
2	n-Propanol	2888	1.766



Ethanol 0.102 g/100mL

BWD



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/31/2016 10:21:29 AM

Sample Name: 16064 #2

Instrument: HSGC#1

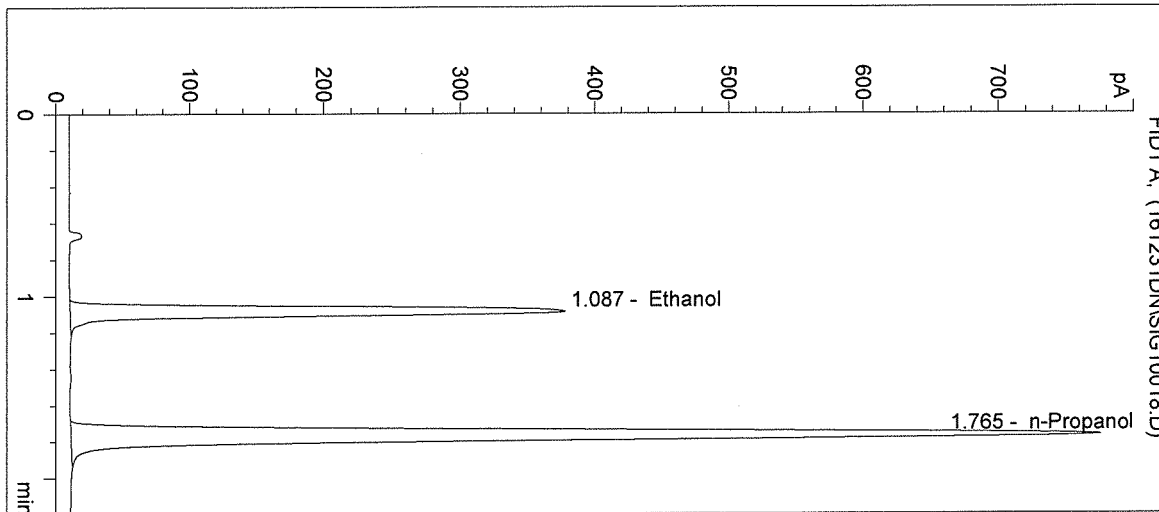
Operator: David Nguyen

Column: DB-ALC1

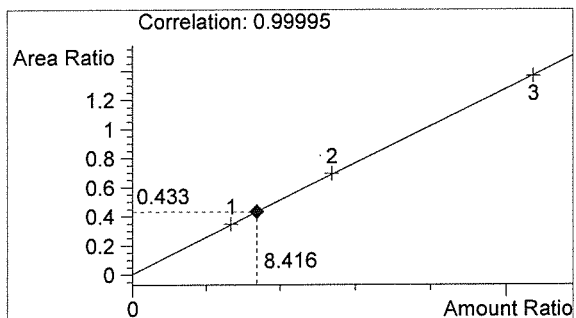
Location: Vial 18

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

Sample Info:

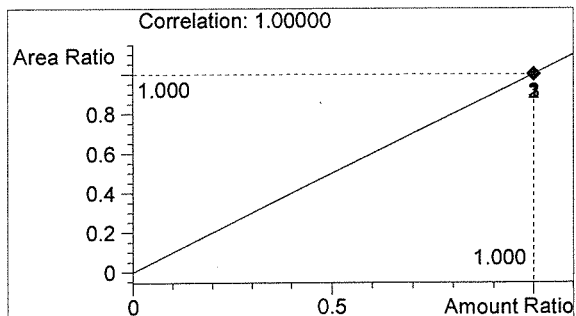


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.087
2	n-Propanol	2897	1.765



Ethanol 0.101 g/100mL

PLU



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/31/2016 10:24:42 AM

Sample Name: 16064 #3

Instrument: HSGC#1

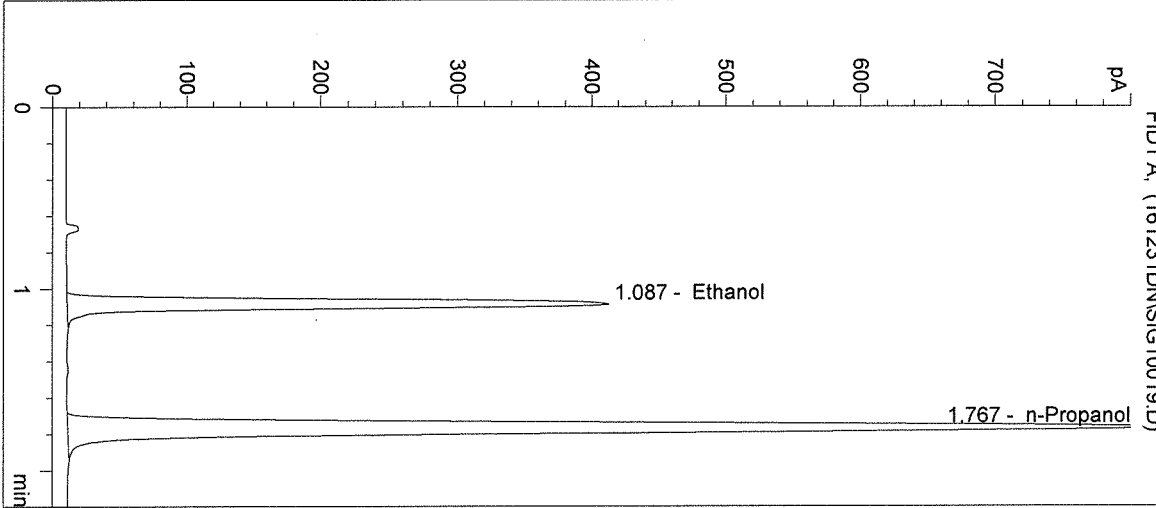
Operator: David Nguyen

Column: DB-ALC1

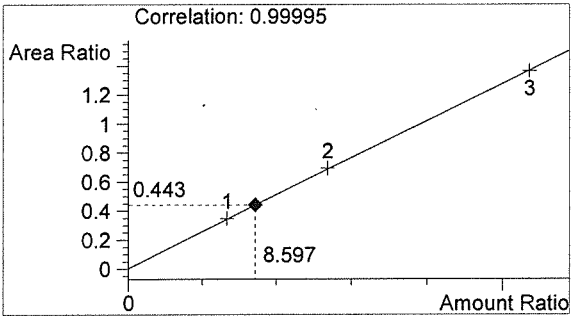
Location: Vial 19

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

Sample Info:

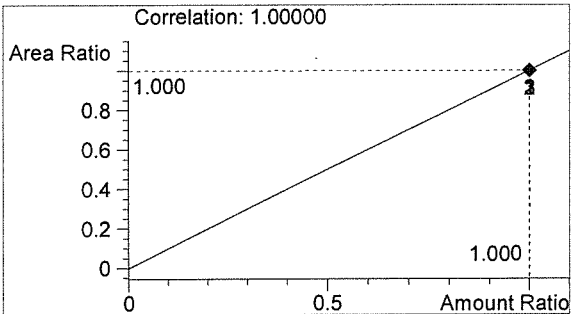


#	Compound	Peak Area	RT (min)
1	Ethanol	1376	1.087
2	n-Propanol	3108	1.767



Ethanol 0.103 g/100mL

AWD



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/31/2016 10:27:56 AM

Sample Name: 16064 #4

Instrument: HSGC#1

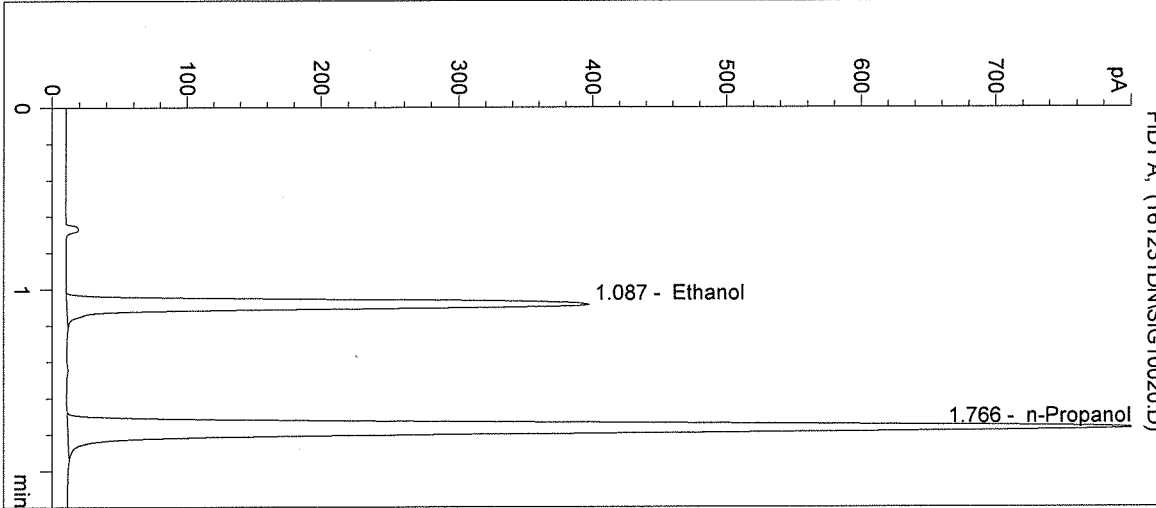
Operator: David Nguyen

Column: DB-ALC1

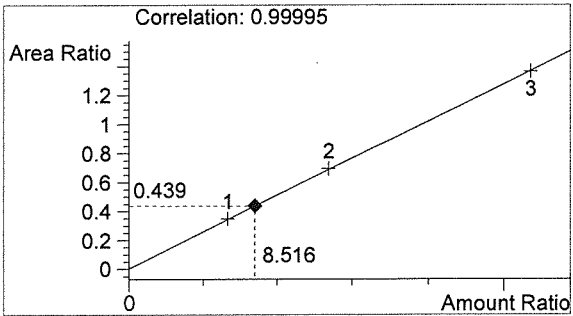
Location: Vial 20

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

Sample Info:

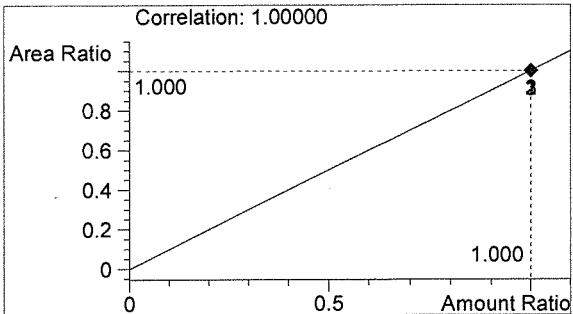


#	Compound	Peak Area	RT (min)
1	Ethanol	1323	1.087
2	n-Propanol	3017	1.766



Ethanol 0.102 g/100mL

BLW



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/31/2016 10:31:09 AM

Sample Name: 16064 #5

Instrument: HSGC#1

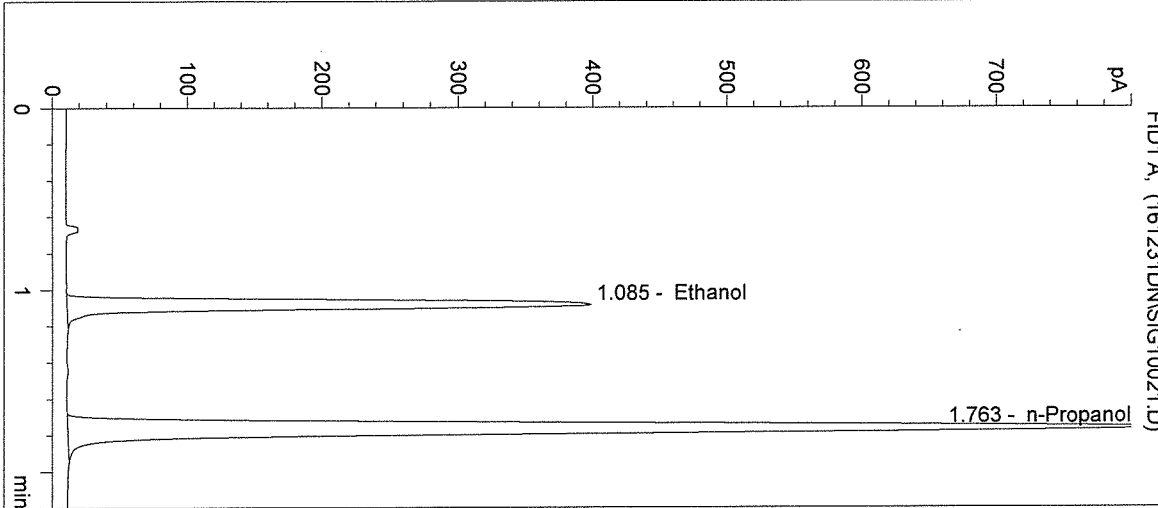
Operator: David Nguyen

Column: DB-ALC1

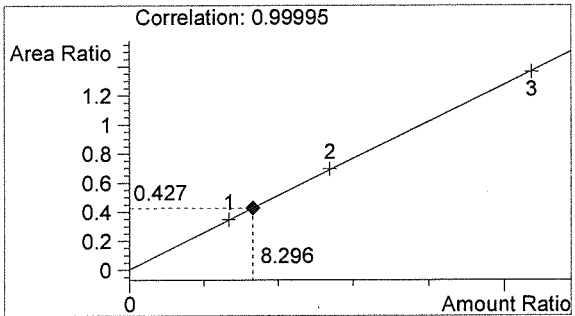
Location: Vial 21

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

Sample Info:

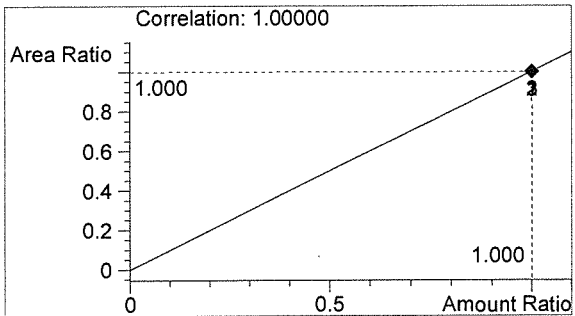


#	Compound	Peak Area	RT (min)
1	Ethanol	1318	1.085
2	n-Propanol	3085	1.763



Ethanol 0.100 g/100mL

AWO



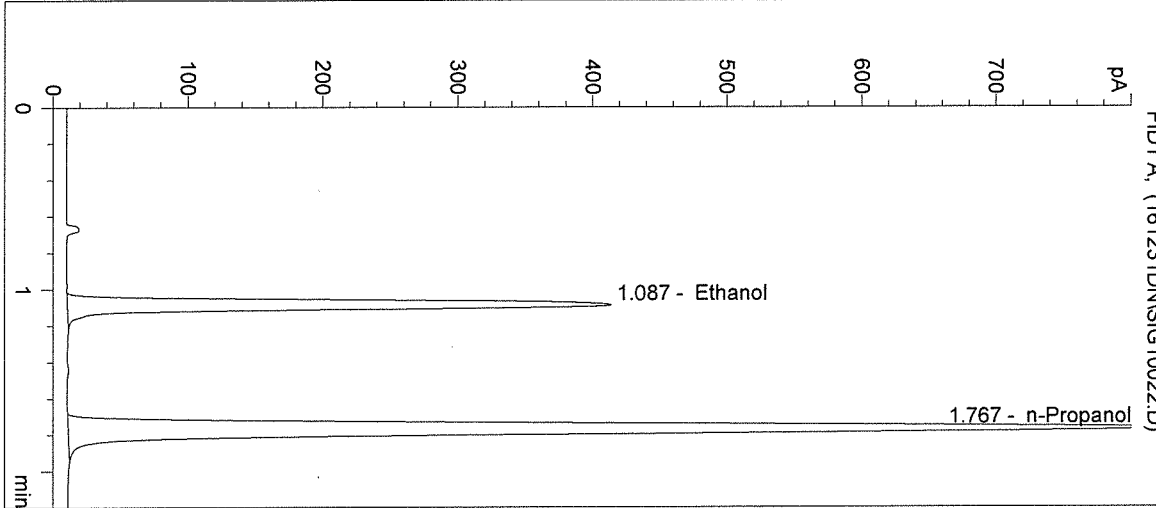
n-Propanol 0.012 g/100mL

DN

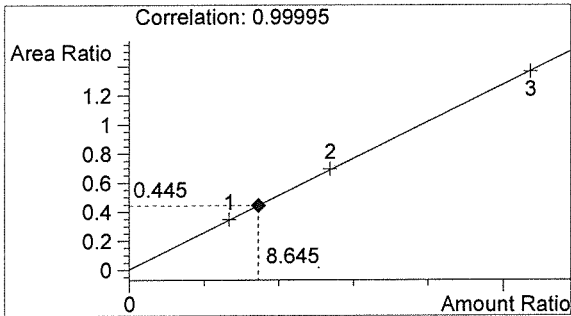
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2016 10:34:22 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16064

Sample Name: POS CTRL (0.10)
 Operator: David Nguyen
 Location: Vial 22

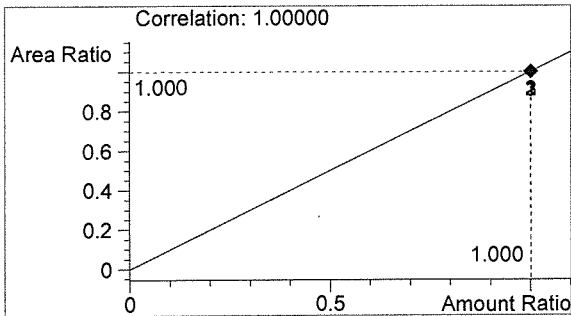


#	Compound	Peak Area	RT (min)
1	Ethanol	1385	1.087
2	n-Propanol	3111	1.767



Ethanol 0.104 g/100mL

BLW



n-Propanol 0.012 g/100mL

DN

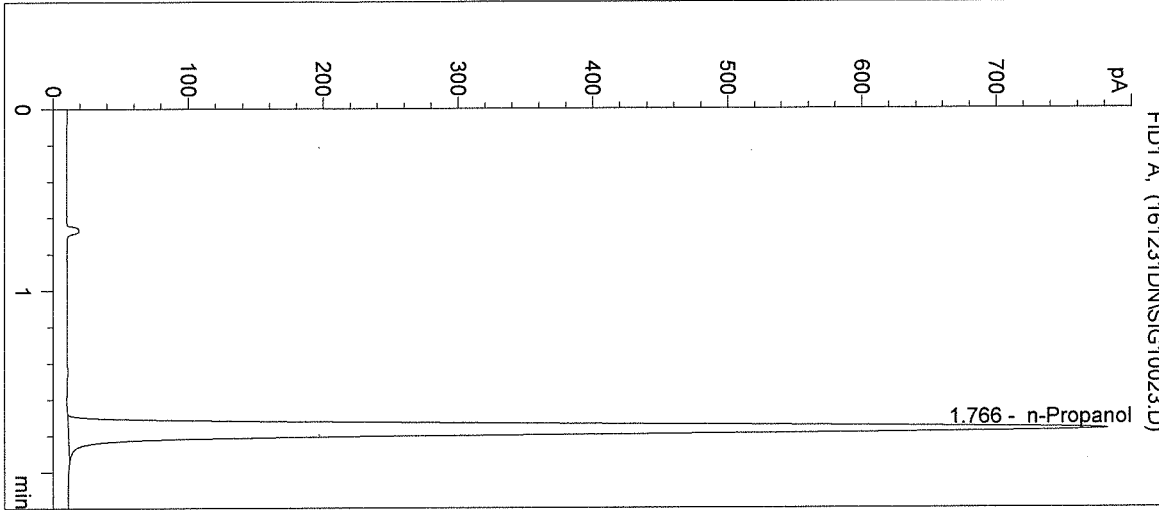
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2016 10:37:35 AM
Instrument: HSGC#1

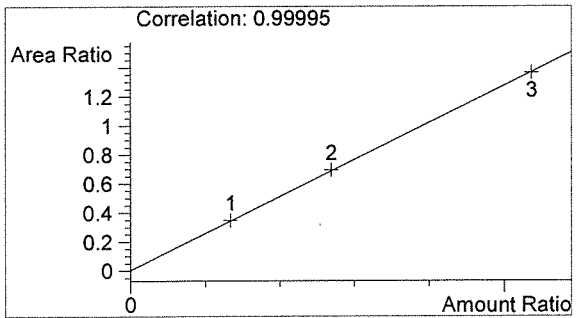
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 23

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

Sample Info: 16064

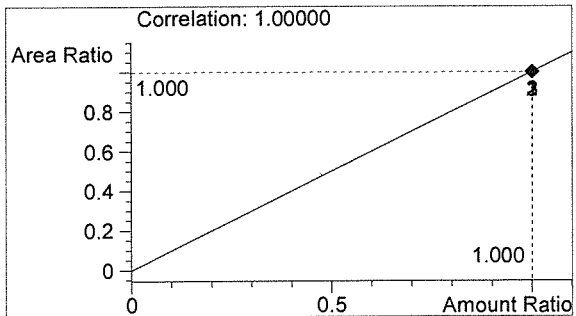


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2931	1.766



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

DN

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: 161231EW
 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: P1116 - exp: 02/23/17

 Calibration vials 1-9 filed with 16063.

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	16063 #1	SIMALC1	1	Sample		
11	Vial 11	16063 #2	SIMALC1	1	Sample		
12	Vial 12	16063 #3	SIMALC1	1	Sample		
13	Vial 13	16063 #4	SIMALC1	1	Sample		
14	Vial 14	16063 #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	16064 #1	SIMALC1	1	Sample		
18	Vial 18	16064 #2	SIMALC1	1	Sample		
19	Vial 19	16064 #3	SIMALC1	1	Sample		
20	Vial 20	16064 #4	SIMALC1	1	Sample		
21	Vial 21	16064 #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	16065 #1	SIMALC1	1	Sample		

16064
 BuO 1-12-17

EW

Sequence: C:\HPCHEM\1\SEQUENCE\EW_QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16065 #2	SIMALC1	1	Sample		
26	Vial 26	16065 #3	SIMALC1	1	Sample		
27	Vial 27	16065 #4	SIMALC1	1	Sample		
28	Vial 28	16065 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	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):

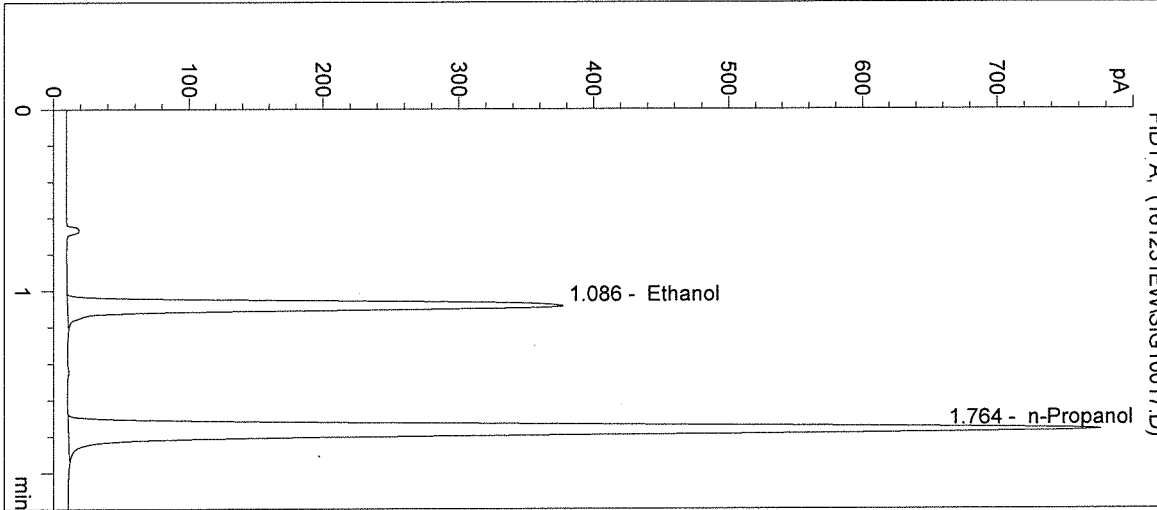
No entries - empty table!

16064
Bw 1.12.17

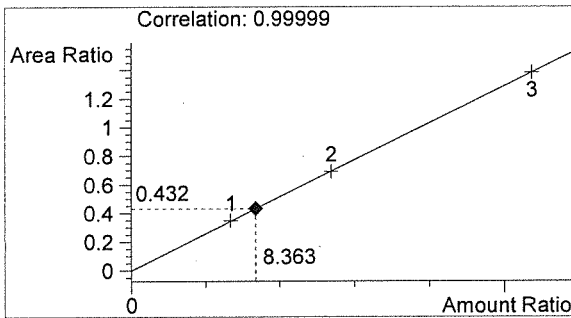
EW

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

Inj. Date: 12/31/2016 12:21:06 PM Sample Name: 16064 #1
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 17
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

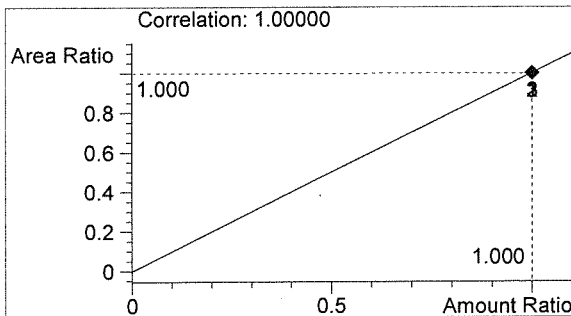


#	Compound	Peak Area	RT (min)
1	Ethanol	1251	1.086
2	n-Propanol	2893	1.764



Ethanol 0.100 g/100mL

BLW

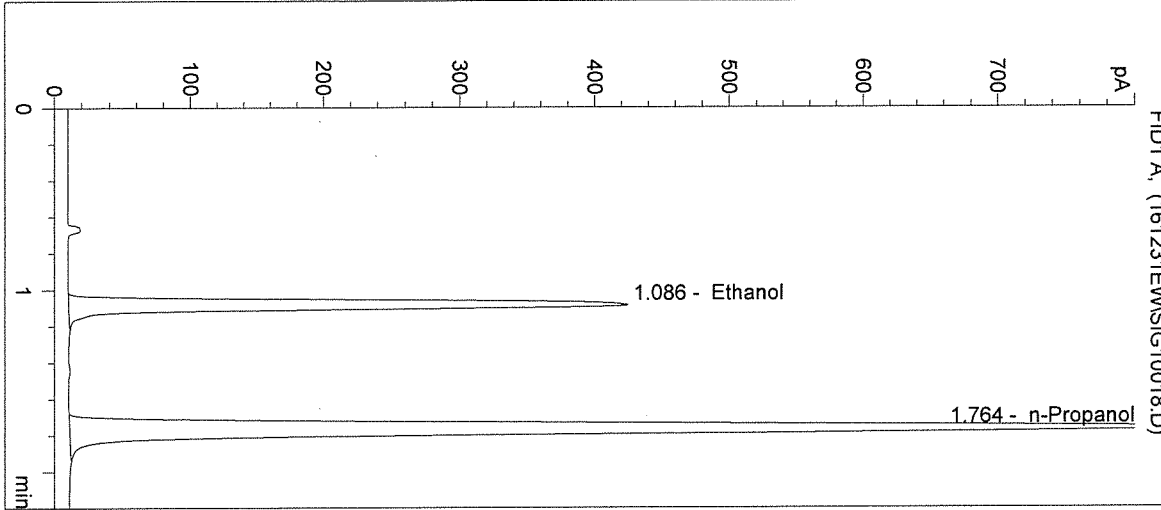


n-Propanol 0.012 g/100mL

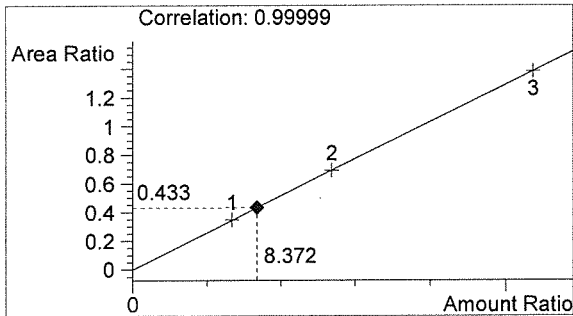
EW

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

Inj. Date: 12/31/2016 12:24:20 PM Sample Name: 16064 #2
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 18
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

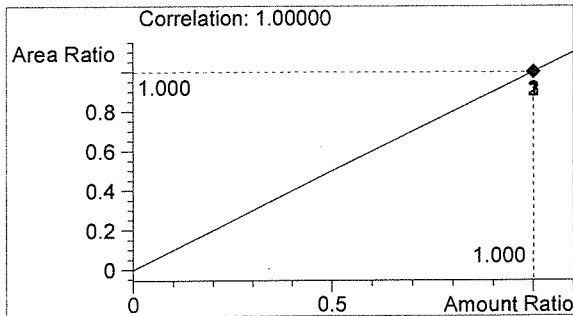


#	Compound	Peak Area	RT (min)
1	Ethanol	1411	1.086
2	n-Propanol	3259	1.764



Ethanol 0.100 g/100mL

AW

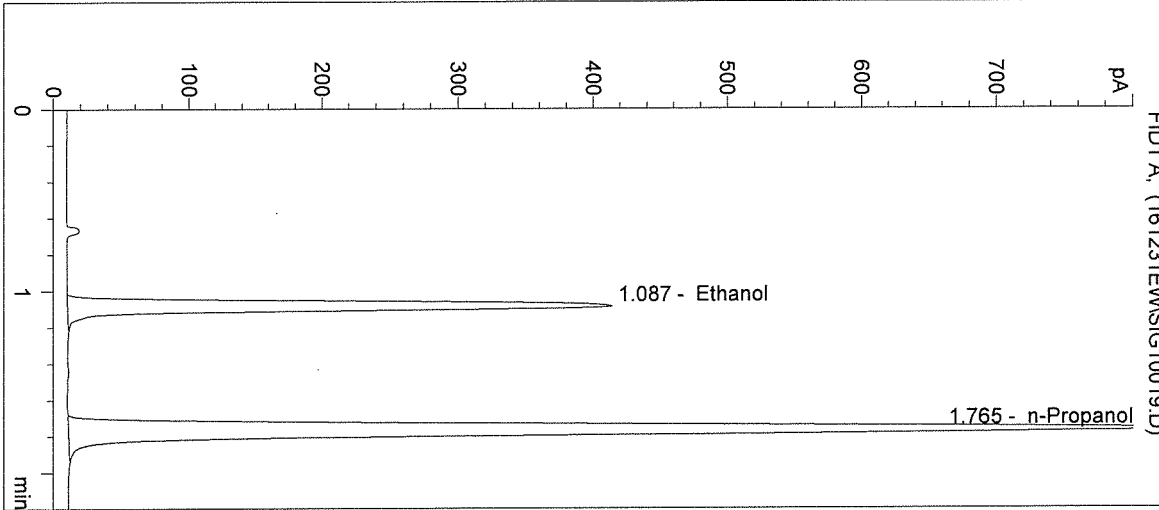


n-Propanol 0.012 g/100mL

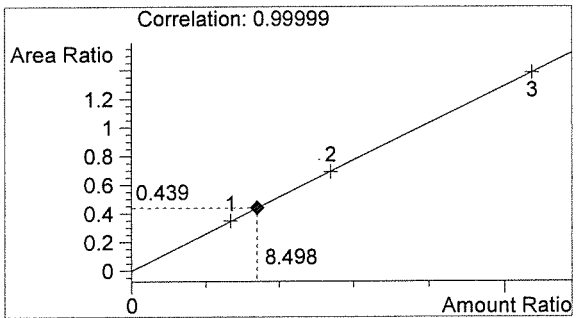
EW

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

Inj. Date: 12/31/2016 12:27:33 PM Sample Name: 16064 #3
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 19
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

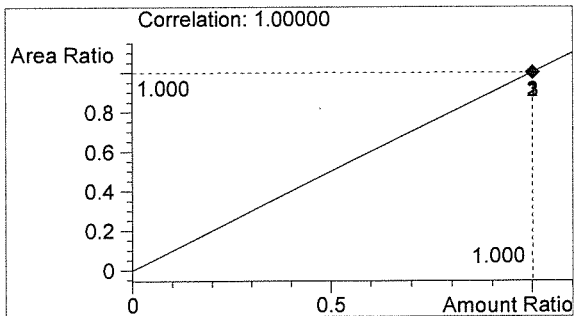


#	Compound	Peak Area	RT (min)
1	Ethanol	1385	1.087
2	n-Propanol	3153	1.765



Ethanol 0.102 g/100mL

AW

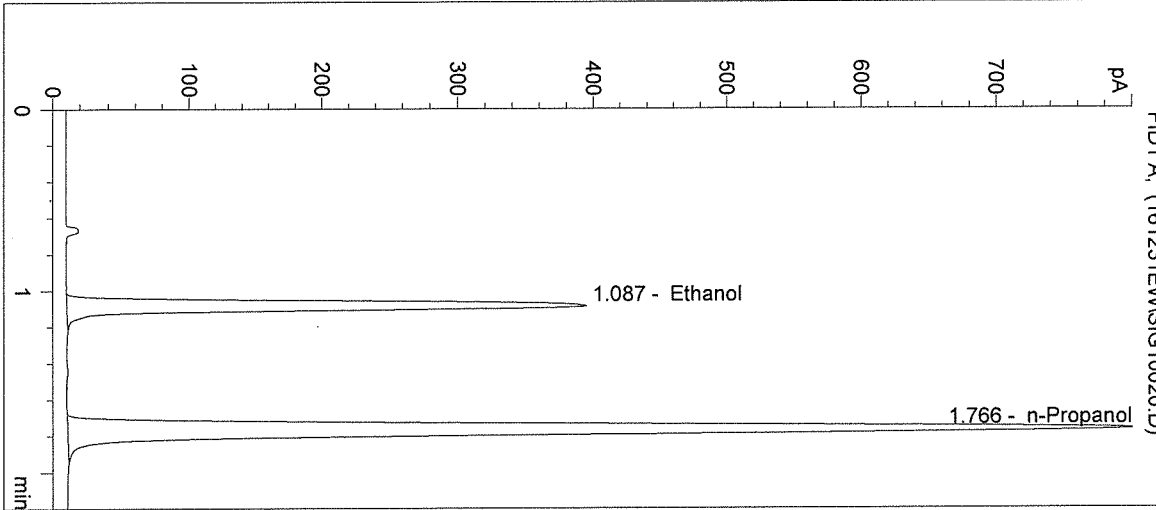


n-Propanol 0.012 g/100mL

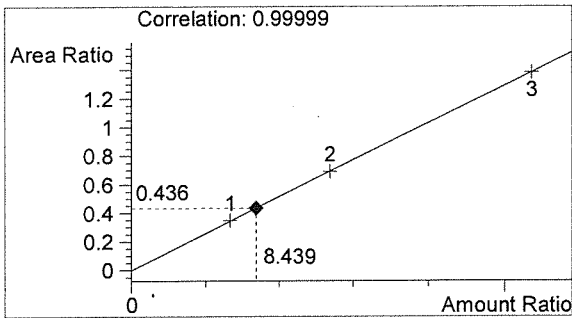
EW

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

Inj. Date: 12/31/2016 12:30:46 PM Sample Name: 16064 #4
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 20
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

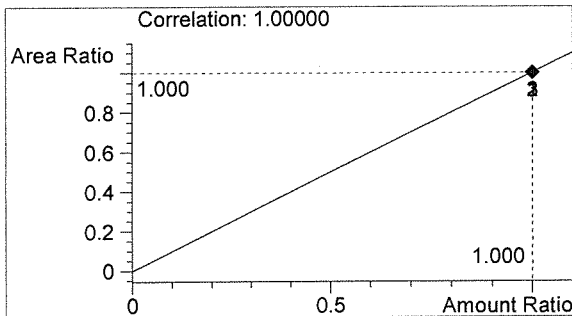


#	Compound	Peak Area	RT (min)
1	Ethanol	1319	1.087
2	n-Propanol	3023	1.766



Ethanol 0.101 g/100mL

BLW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 12/31/2016 12:33:59 PM

Sample Name: 16064 #5

Instrument: HSGC#1

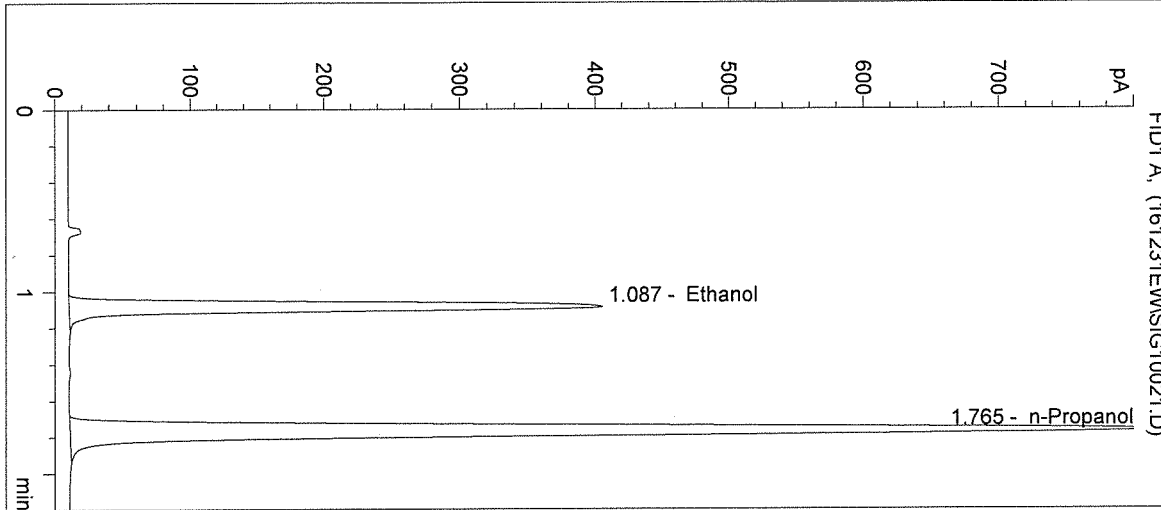
Operator: Elizabeth Wehner

Column: DB-ALC1

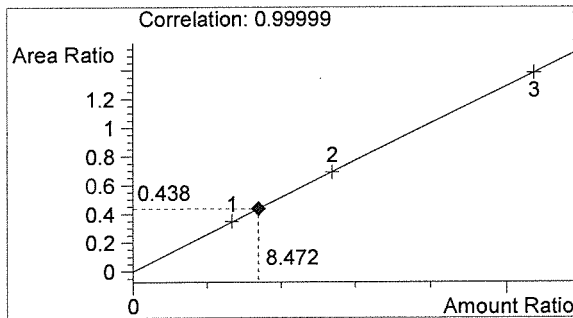
Location: Vial 21

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

Sample Info:

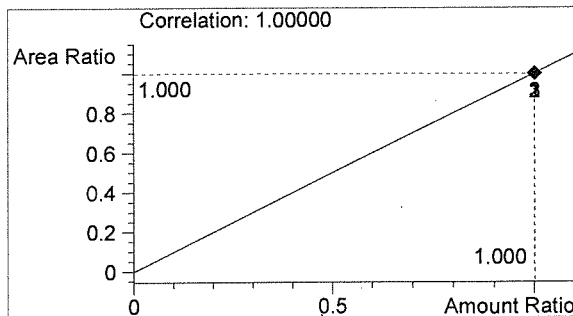


#	Compound	Peak Area	RT (min)
1	Ethanol	1353	1.087
2	n-Propanol	3087	1.765



Ethanol 0.102 g/100mL

AWD



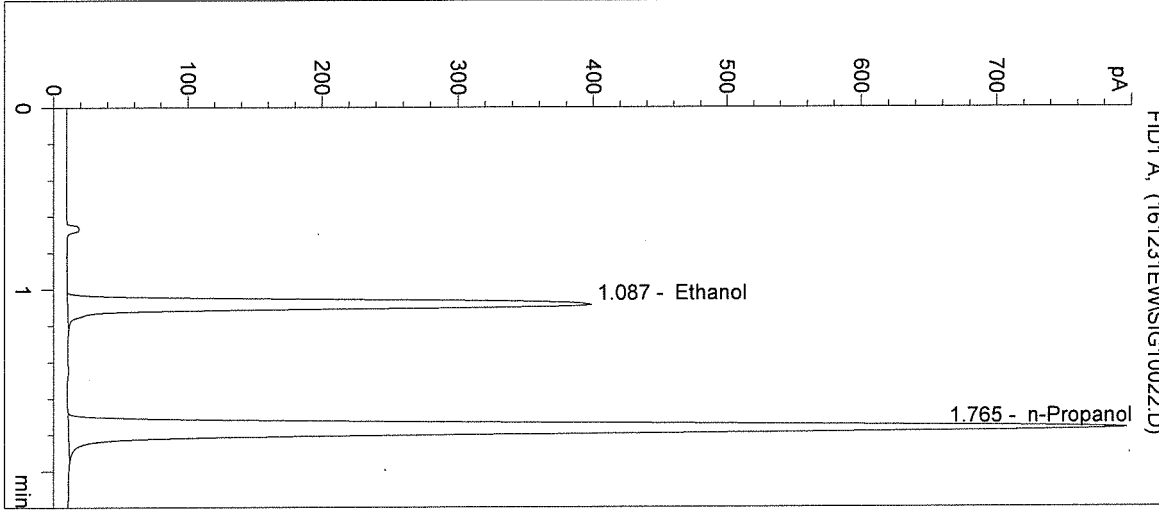
n-Propanol 0.012 g/100mL

EW

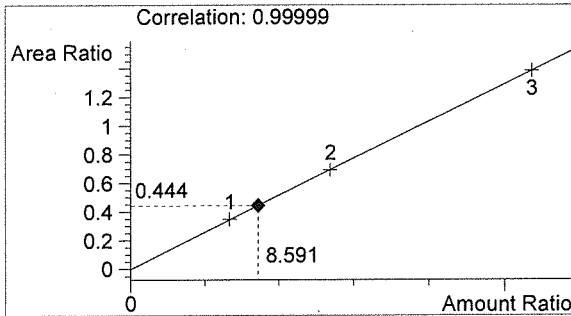
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2016 12:37:13 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16064

Sample Name: POS CTRL (0.10)
 Operator: Elizabeth Wehner
 Location: Vial 22

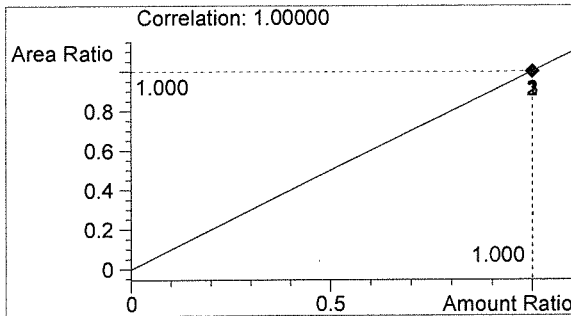


#	Compound	Peak Area	RT (min)
1	Ethanol	1324	1.087
2	n-Propanol	2981	1.765



Ethanol 0.103 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 12/31/2016 12:40:26 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

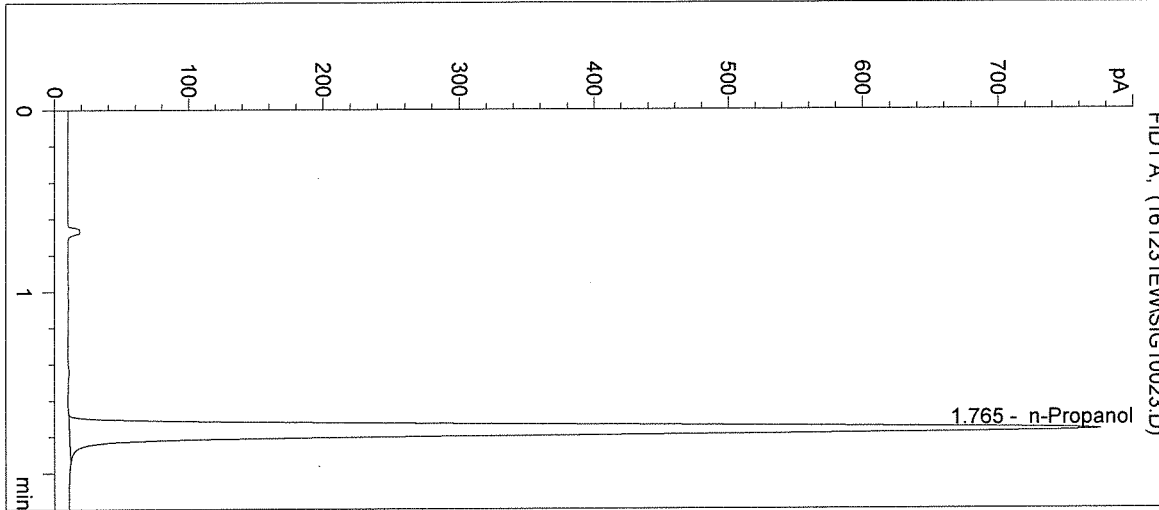
Operator: Elizabeth Wehner

Column: DB-ALC1

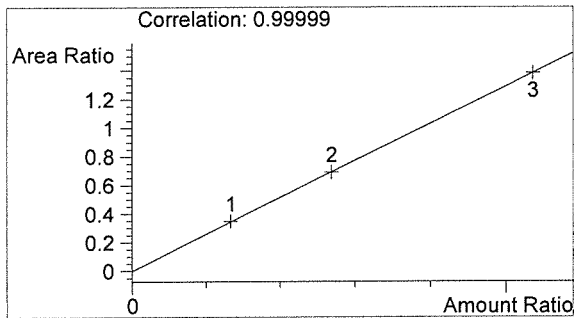
Location: Vial 23

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

Sample Info: 16064

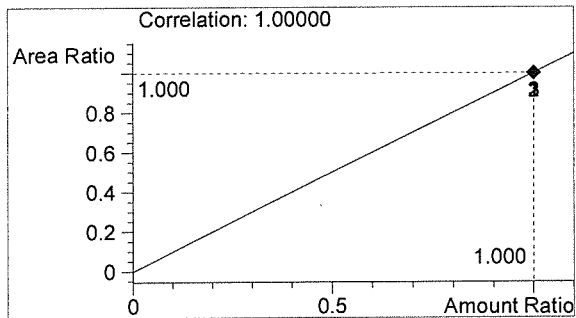


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2899	1.765



Ethanol 0.000 g/100mL

BW



n-Propanol 0.012 g/100mL

EW

Sequence Parameters:

Operator: Amanda Chandler
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170107AC
 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: P1116 - exp: 02/23/17

Calibration vials 1-9 filed with 16063.

16064
 buo 1-12-17

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	16063 #1	SIMALC1	1	Sample		
11	Vial 11	16063 #2	SIMALC1	1	Sample		
12	Vial 12	16063 #3	SIMALC1	1	Sample		
13	Vial 13	16063 #4	SIMALC1	1	Sample		
14	Vial 14	16063 #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	16064 #1	SIMALC1	1	Sample		
18	Vial 18	16064 #2	SIMALC1	1	Sample		
19	Vial 19	16064 #3	SIMALC1	1	Sample		
20	Vial 20	16064 #4	SIMALC1	1	Sample		
21	Vial 21	16064 #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	16065 #1	SIMALC1	1	Sample		

Handwritten mark

Sequence: C:\HPCHEM\1\SEQUENCE\ACQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16065 #2	SIMALC1	1	Sample		
26	Vial 26	16065 #3	SIMALC1	1	Sample		
27	Vial 27	16065 #4	SIMALC1	1	Sample		
28	Vial 28	16065 #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	17006 #1	SIMALC1	1	Sample		
32	Vial 32	17006 #2	SIMALC1	1	Sample		
33	Vial 33	17006 #3	SIMALC1	1	Sample		
34	Vial 34	17006 #4	SIMALC1	1	Sample		
35	Vial 35	17006 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	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!

0
16 # 6 4
P2011217

AC

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

Inj. Date: 1/7/2017 11:24:06 AM

Sample Name: 16064 #1

Instrument: HSGC#1

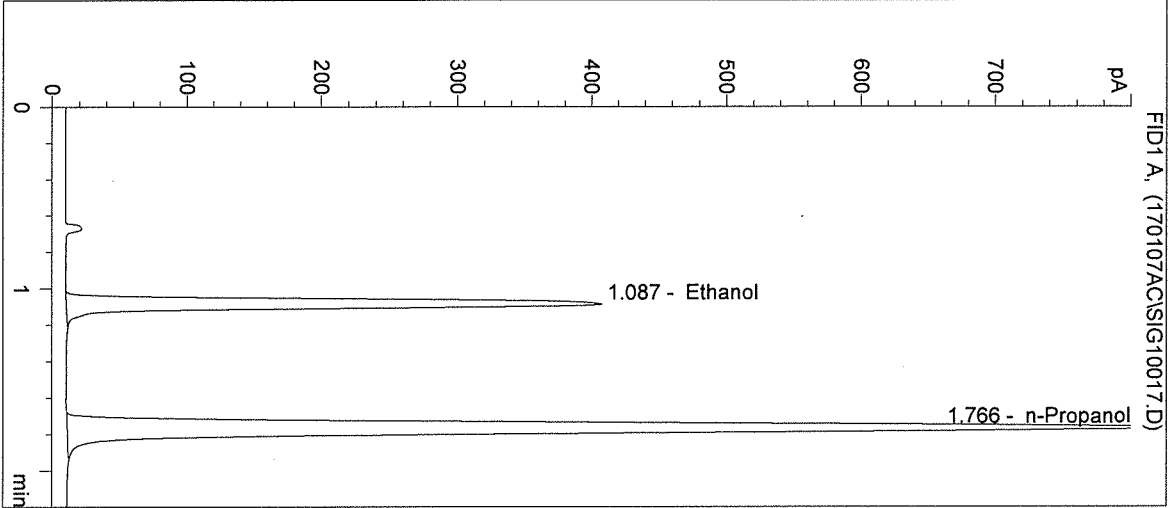
Operator: Amanda Chandler

Column: DB-ALC1

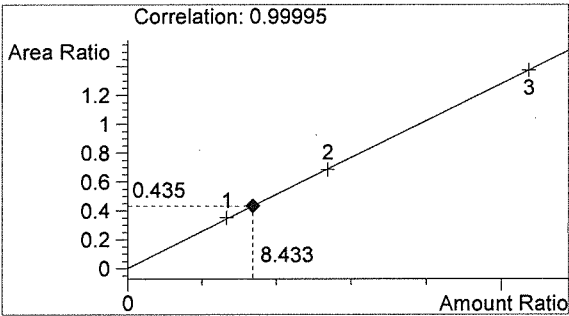
Location: Vial 17

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

Sample Info:

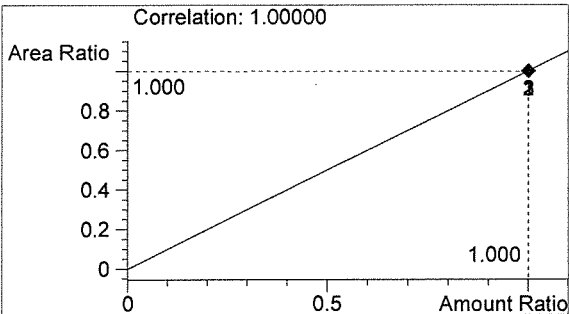


#	Compound	Peak Area	RT (min)
1	Ethanol	1341	1.087
2	n-Propanol	3087	1.766



Ethanol 0.101 g/100mL

BW



n-Propanol 0.012 g/100mL

AR

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

Inj. Date: 1/7/2017 11:27:19 AM

Sample Name: 16064 #2

Instrument: HSGC#1

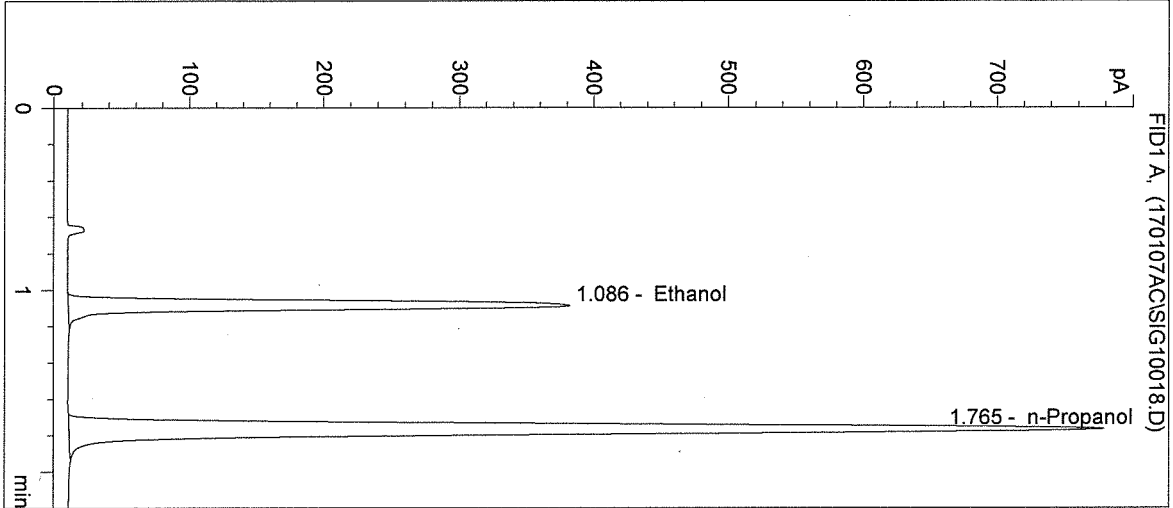
Operator: Amanda Chandler

Column: DB-ALC1

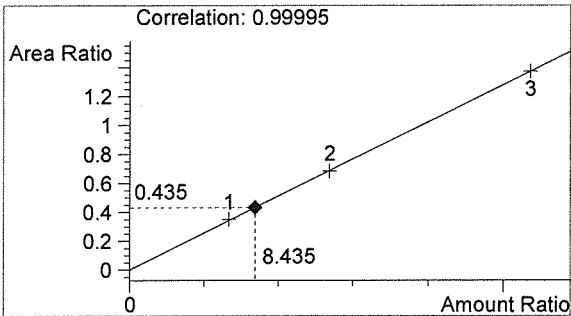
Location: Vial 18

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

Sample Info:

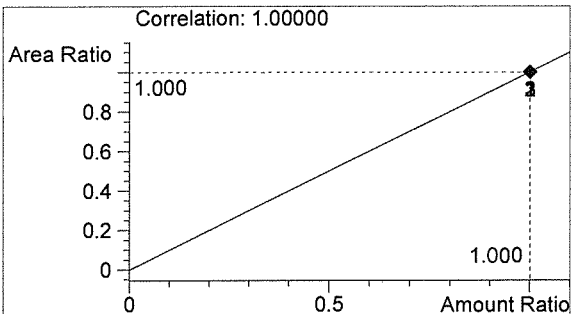


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.086
2	n-Propanol	2889	1.765



Ethanol 0.101 g/100mL

BW



n-Propanol 0.012 g/100mL

AR

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

Inj. Date: 1/7/2017 11:30:32 AM

Sample Name: 16064 #3

Instrument: HSGC#1

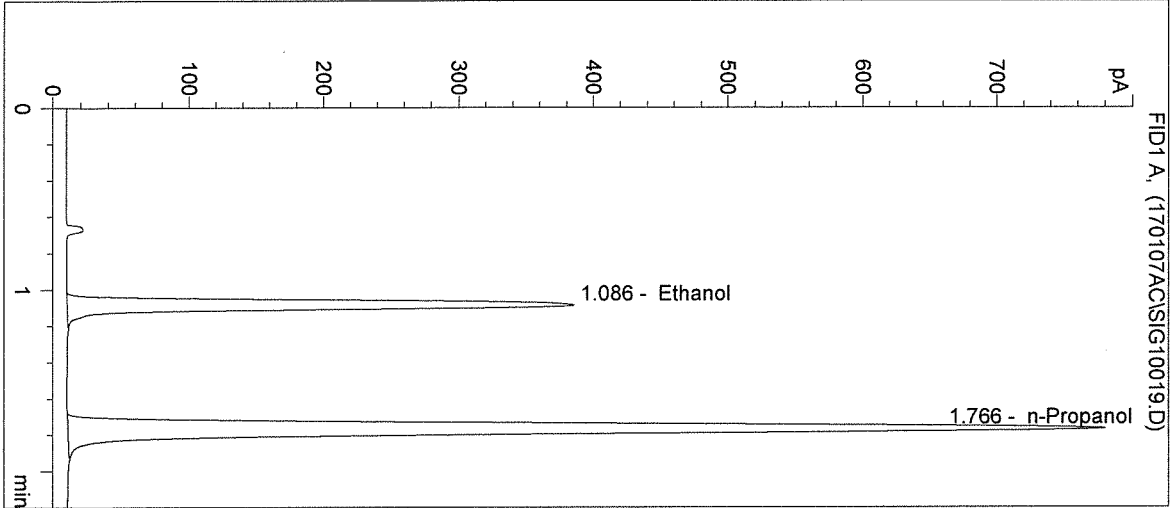
Operator: Amanda Chandler

Column: DB-ALC1

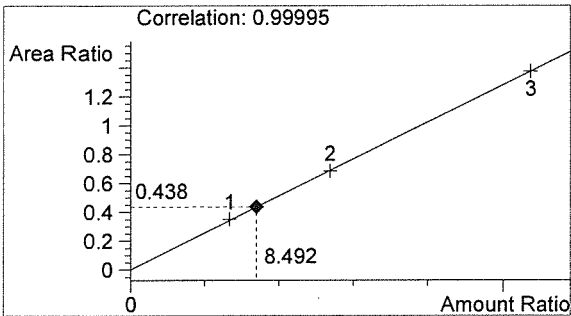
Location: Vial 19

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

Sample Info:

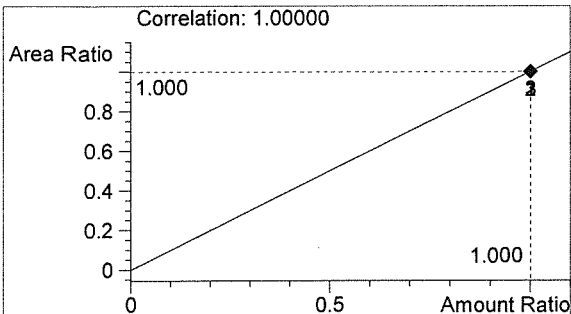


#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.086
2	n-Propanol	2893	1.766



Ethanol 0.102 g/100mL

AW



n-Propanol 0.012 g/100mL

AR

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

Inj. Date: 1/7/2017 11:33:46 AM

Sample Name: 16064 #4

Instrument: HSGC#1

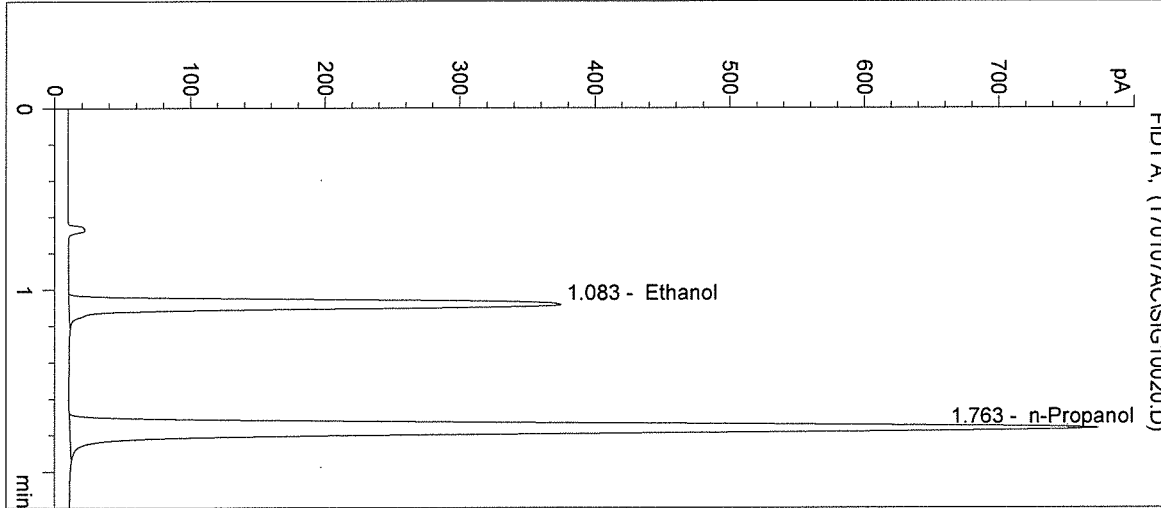
Operator: Amanda Chandler

Column: DB-ALC1

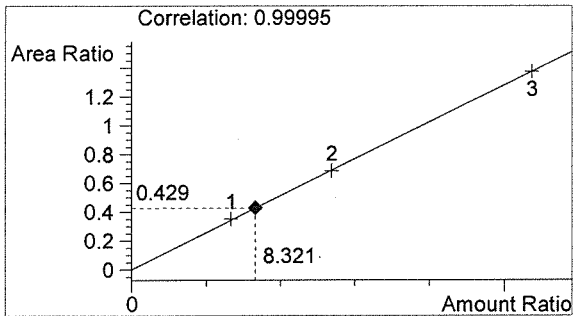
Location: Vial 20

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

Sample Info:

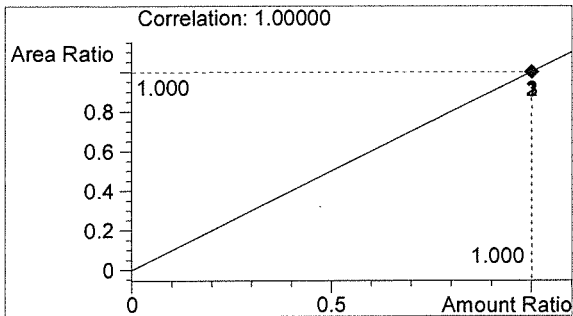


#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.083
2	n-Propanol	2858	1.763



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

AW

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

Inj. Date: 1/7/2017 11:36:59 AM

Sample Name: 16064 #5

Instrument: HSGC#1

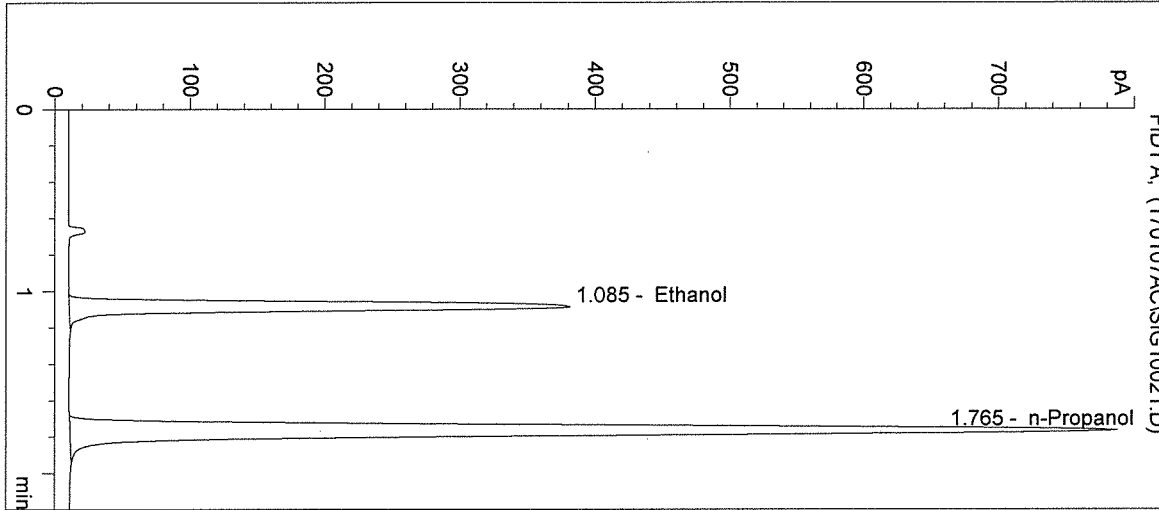
Operator: Amanda Chandler

Column: DB-ALC1

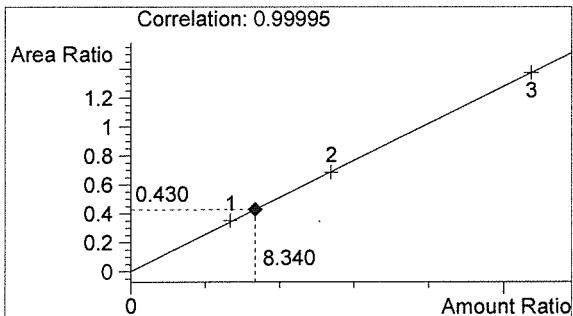
Location: Vial 21

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

Sample Info:

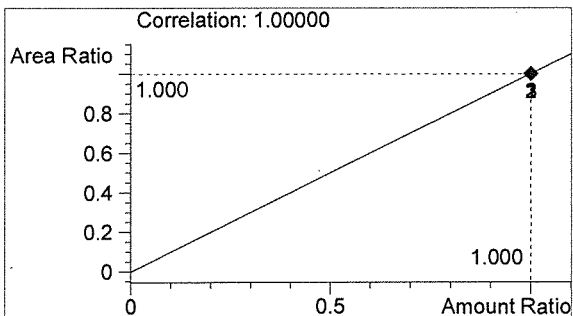


#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.085
2	n-Propanol	2916	1.765



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

A

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

Inj. Date: 1/7/2017 11:40:13 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

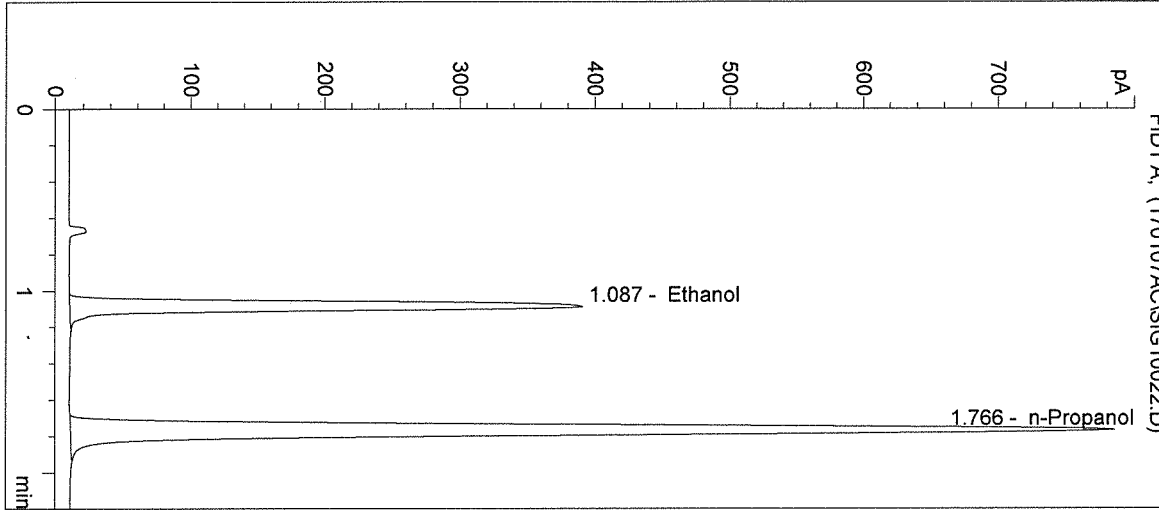
Operator: Amanda Chandler

Column: DB-ALC1

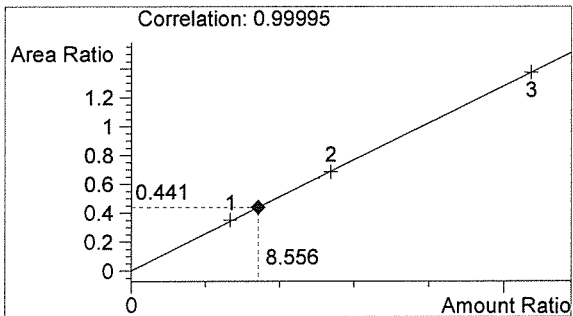
Location: Vial 22

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

Sample Info: 16064

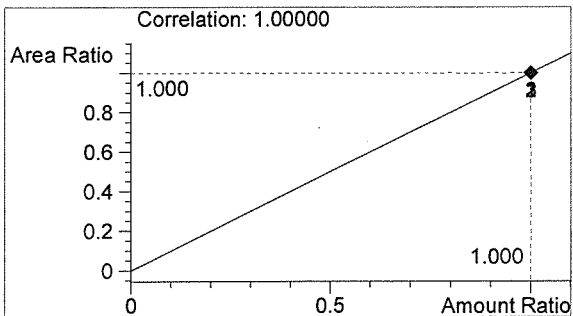


#	Compound	Peak Area	RT (min)
1	Ethanol	1287	1.087
2	n-Propanol	2920	1.766



Ethanol 0.103 g/100mL

AW



n-Propanol 0.012 g/100mL

AW

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

Inj. Date: 1/7/2017 11:43:25 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

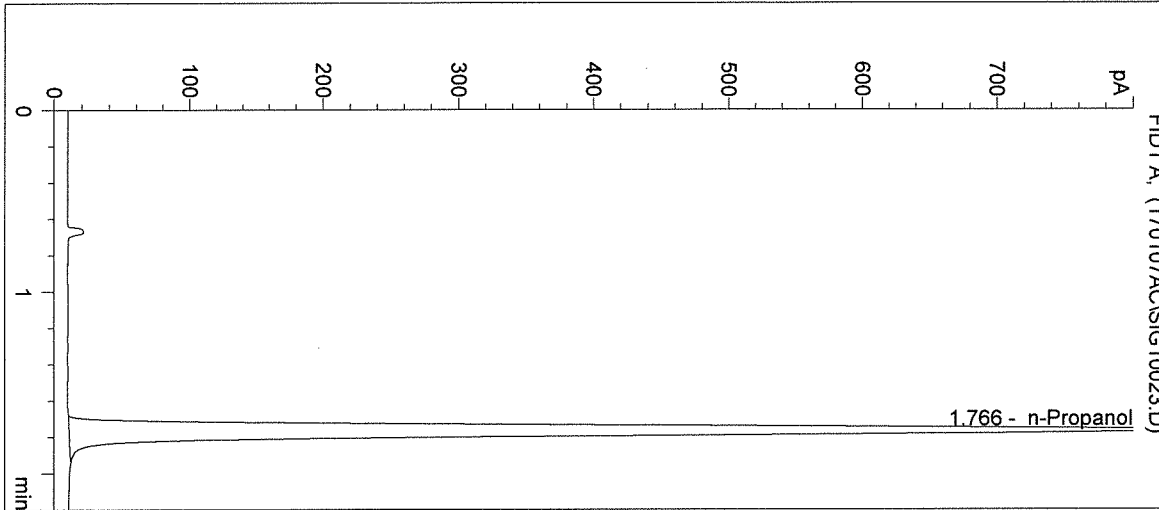
Operator: Amanda Chandler

Column: DB-ALC1

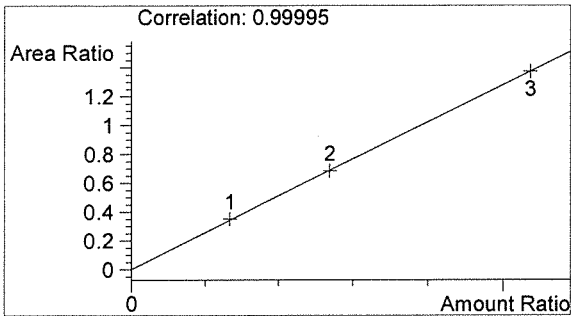
Location: Vial 23

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

Sample Info: 16064

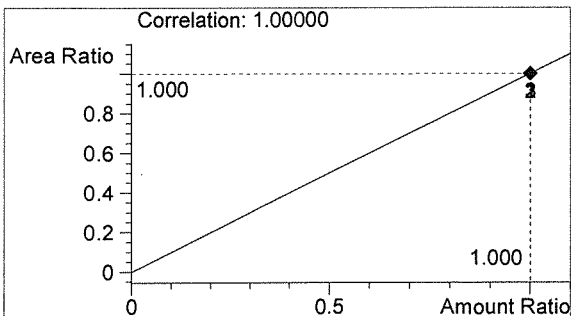


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3119	1.766



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

AZ