



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16054

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: 12/17/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: David Nguyen

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

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1015 g/100mL PRECISION CV (%): 0.51
STANDARD DEVIATION: 0.00052 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0825 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly

Brianne E. O'Reilly Technical Lead

1-12-2017

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
DN	David Nguyen	<i>[Signature]</i>	12/17/2016
AC	Amanda Chandler	<i>[Signature]</i>	12/17/2016
CSJ	Christopher S. Johnston	<i>[Signature]</i>	12/21/2016


This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 2-1-17
Location: WSP-FLSB Seattle, WA Solution Batch Number: 16054

	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: 2-1-17

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

QAP Solution Batch #: 16054

Date Prepared: 12/17/2016

Analyst:	DN	AC	CSJ
Date Tested:	12/17/2016	12/17/2016	12/21/2016
Instrument:	HSGC #3	HSGC #3	HSGC #1
1	0.102	0.101	0.101
2	0.101	0.102	0.101
3	0.102	0.102	0.101
4	0.102	0.102	0.101
5	0.101	0.102	0.101
C	0.103	0.104	0.104

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000017268	0.0000103390	0.0001016326

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

Average Solution Concentration: 0.1015 g/100mL
Standard Deviation: 0.00052 g/100mL
Precision CV (%): 0.51
Equivalent Vapor Concentration: 0.0825 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 1-10-17
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 2-1-17
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne E. O'Reilly 1-10-17
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	1/12/17
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston	W	1/11/17
David Nguyen	DN	1/11/17
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

1 6 0 5 4

Batch # _____

Buo 1-10-17

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 16054**

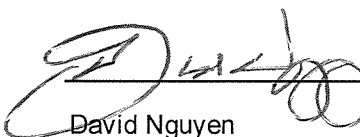
I, David Nguyen, do certify under penalty of perjury that:

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 16054, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. 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 12/17/2017.

Seattle, WA

 - 12/17/17
Date

David Nguyen
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 16054**

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 16054, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. 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 12/17/2017.

Seattle, WA

A handwritten signature in cursive that reads "Amanda Chandler" followed by a date "1/12/2017".

Amanda Chandler
Forensic Scientist

Date

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 16054**

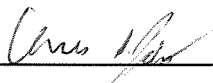
I, Christopher S. Johnston, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 16054, was prepared in the Washington State Toxicology Laboratory on 12/17/2016. 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 12/17/2017.

Seattle, WA



Christopher S. Johnston 1/11/2017
Forensic Scientist Date

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

Preparation Date: 12/17/16 Expiration Date: 12/17/17 Initials of Preparer: DN

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

Date the 200-proof Ethanol bottle was opened: 12/2/16

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>16053</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16054</u>
<i>12/17/16 DN 0.08</i> QAP 0.10	<i>22.4 12/17/16 DN</i> 28.4	18	<input checked="" type="checkbox"/>	<u>16055</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16056</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16057</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

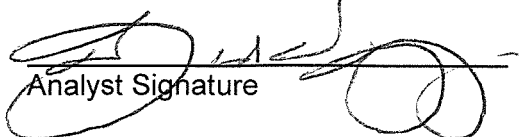
Aliquot taken

Batch labeled, packaged and sealed

12/17/16
Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments: Batch 16057: more than 2 values out of acceptable range. Batch 16057 discarded. 11/17/17 DN Batch 16055 + 16056: more than 2 values out of acceptable range. Batch 16055 + 16056 discarded. 11/17/17 DN


Analyst Signature

12/17/16
Date

16054
PNO 1-11-17

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\2\DATA\
 Data Subdirectory: 161217DN
 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 16053.

16054
 PUO 1-10-17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16053 #1	SIMALC3	1	Sample		
11	Vial 11	16053 #2	SIMALC3	1	Sample		
12	Vial 12	16053 #3	SIMALC3	1	Sample		
13	Vial 13	16053 #4	SIMALC3	1	Sample		
14	Vial 14	16053 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16054 #1	SIMALC3	1	Sample		
18	Vial 18	16054 #2	SIMALC3	1	Sample		
19	Vial 19	16054 #3	SIMALC3	1	Sample		
20	Vial 20	16054 #4	SIMALC3	1	Sample		
21	Vial 21	16054 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16055 #1	SIMALC3	1	Sample		

DN

Sequence: C:\HPCHEM\2\SEQUENCE\DN-QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC3	1	Sample		
26	Vial 26	16055 #3	SIMALC3	1	Sample		
27	Vial 27	16055 #4	SIMALC3	1	Sample		
28	Vial 28	16055 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16056 #1	SIMALC3	1	Sample		
32	Vial 32	16056 #2	SIMALC3	1	Sample		
33	Vial 33	16056 #3	SIMALC3	1	Sample		
34	Vial 34	16056 #4	SIMALC3	1	Sample		
35	Vial 35	16056 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	16057 #1	SIMALC3	1	Sample		
39	Vial 39	16057 #2	SIMALC3	1	Sample		
40	Vial 40	16057 #3	SIMALC3	1	Sample		
41	Vial 41	16057 #4	SIMALC3	1	Sample		
42	Vial 42	16057 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16054
PWO 11017

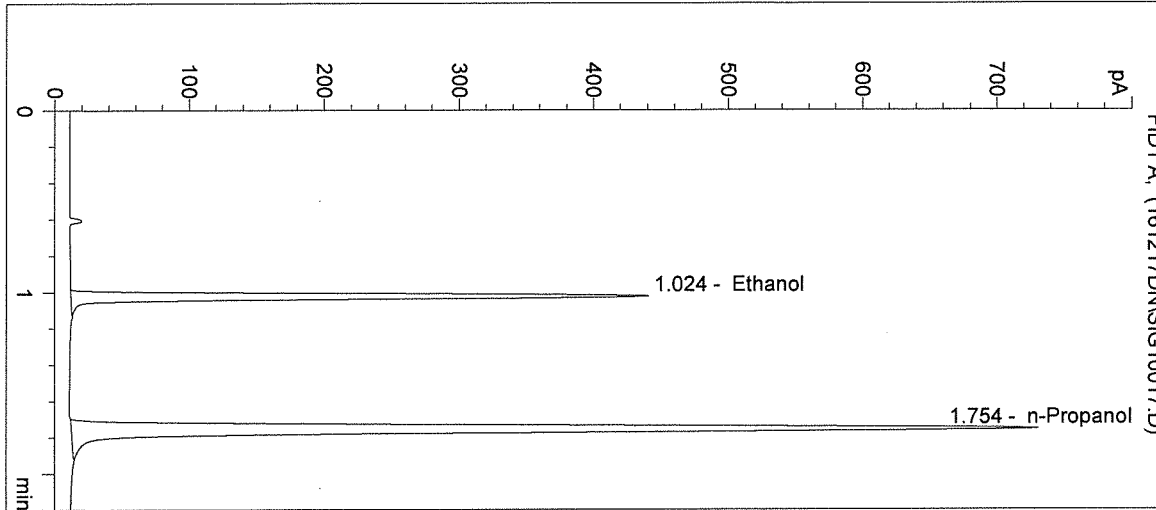
DN

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 2203 Airport Way S Seattle, WA 98134

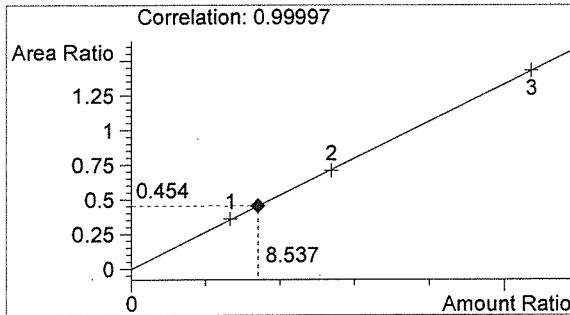
Inj. Date: 12/17/2016 11:38:59 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 16054 #1
 Operator: David Nguyen
 Location: Vial 17

Sample Info:

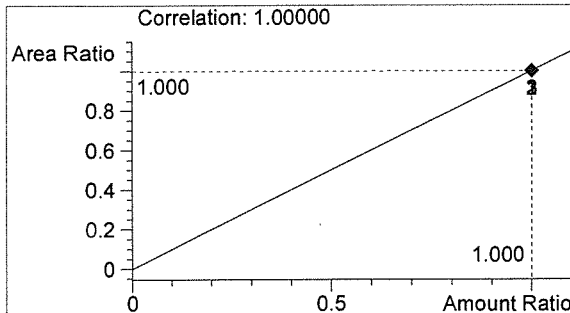


#	Compound	Peak Area	RT (min)
1	Ethanol	878	1.024
2	n-Propanol	1933	1.754



Ethanol 0.102 g/100mL

BLW



n-Propanol 0.012 g/100mL

DN

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Inj. Date: 12/17/2016 11:42:13 AM

Sample Name: 16054 #2

Instrument: HSGC#3

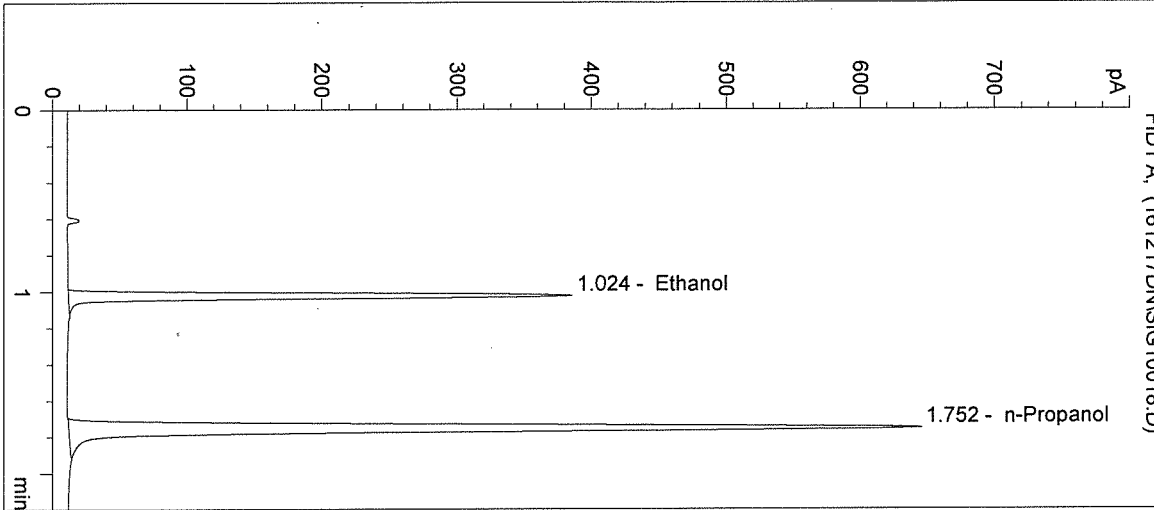
Operator: David Nguyen

Column: DB-ALC2

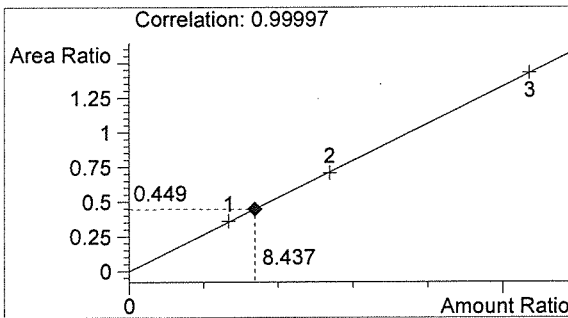
Location: Vial 18

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

Sample Info:

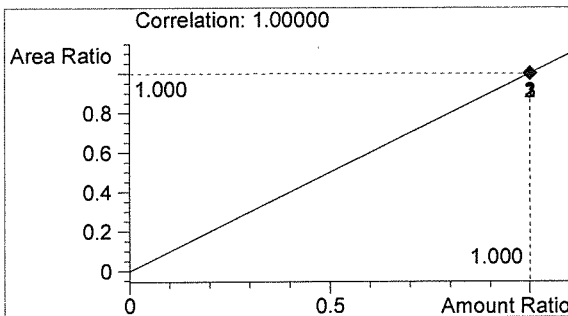


#	Compound	Peak Area	RT (min)
1	Ethanol	767	1.024
2	n-Propanol	1707	1.752



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: 12/17/2016 11:45:26 AM

Sample Name: 16054 #3

Instrument: HSGC#3

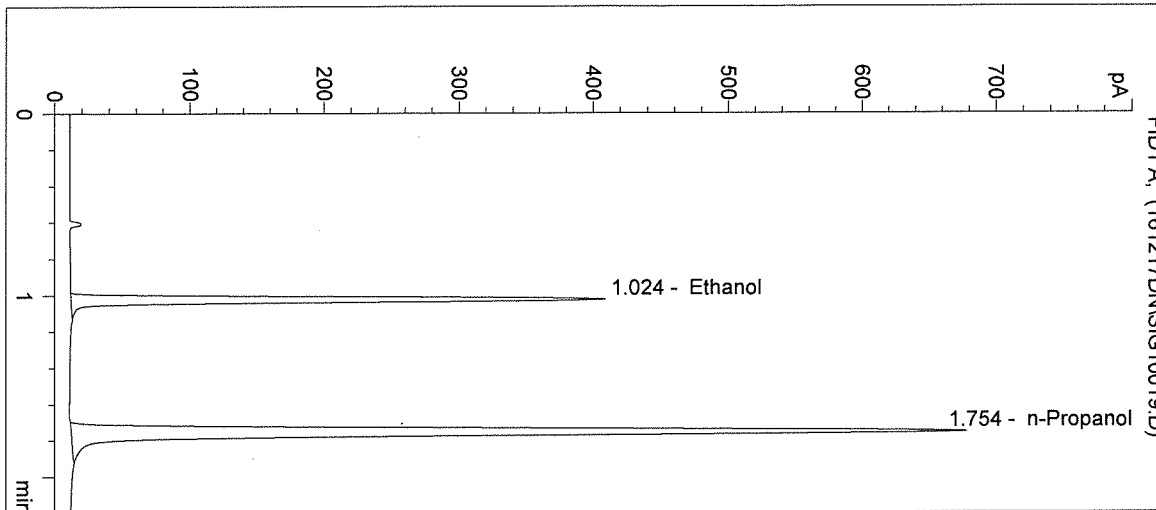
Operator: David Nguyen

Column: DB-ALC2

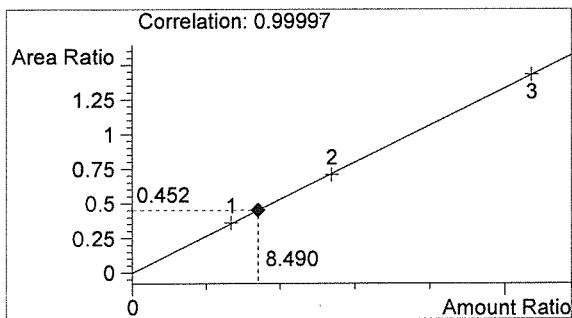
Location: Vial 19

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

Sample Info:

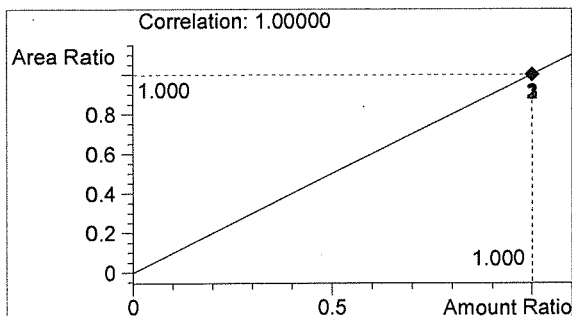


#	Compound	Peak Area	RT (min)
1	Ethanol	813	1.024
2	n-Propanol	1800	1.754



Ethanol 0.102 g/100mL

PCW



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/17/2016 11:48:39 AM

Sample Name: 16054 #4

Instrument: HSGC#3

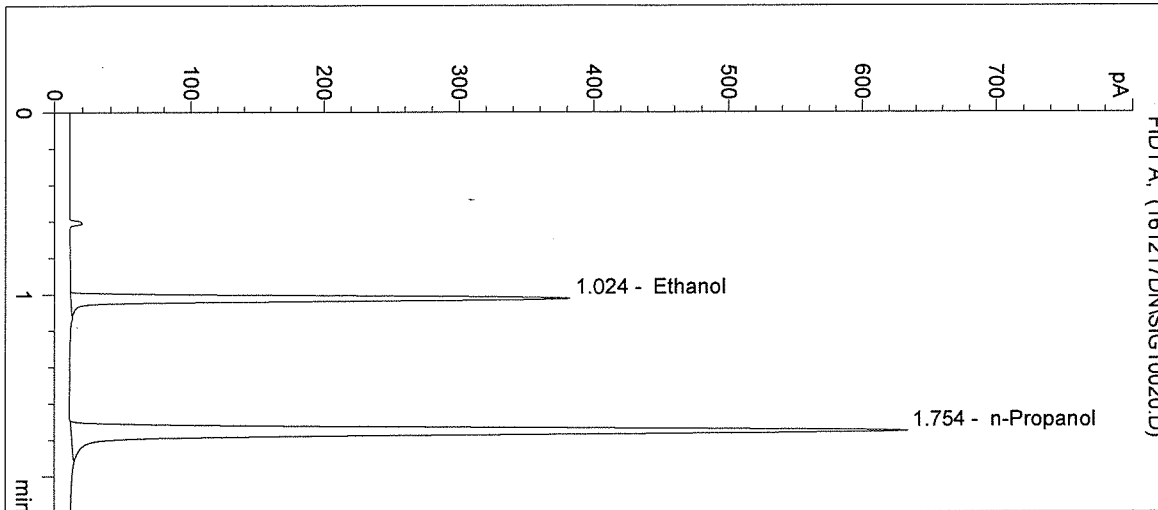
Operator: David Nguyen

Column: DB-ALC2

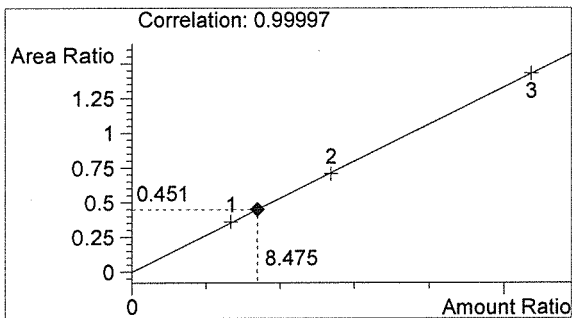
Location: Vial 20

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

Sample Info:

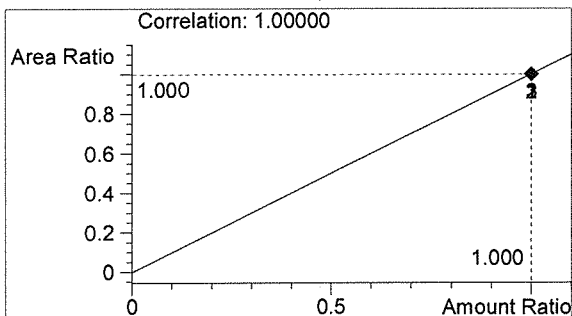


#	Compound	Peak Area	RT (min)
1	Ethanol	755	1.024
2	n-Propanol	1675	1.754



Ethanol 0.102 g/100mL

ALW



n-Propanol 0.012 g/100mL

DN

Washington State Patrol Toxicology Laboratory
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Inj. Date: 12/17/2016 11:51:53 AM

Sample Name: 16054 #5

Instrument: HSGC#3

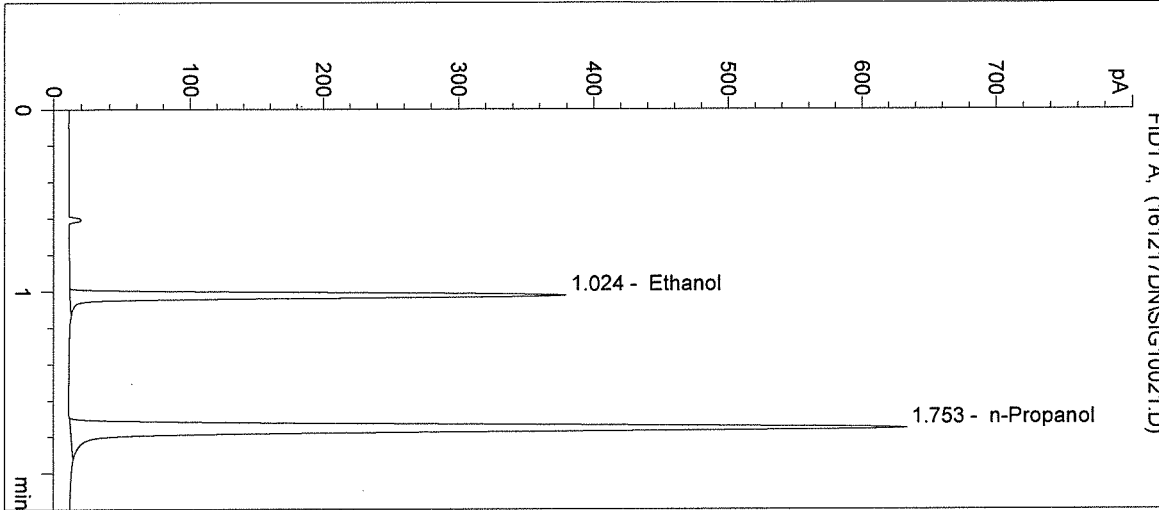
Operator: David Nguyen

Column: DB-ALC2

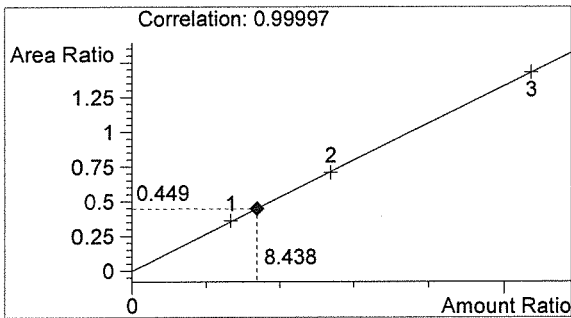
Location: Vial 21

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

Sample Info:

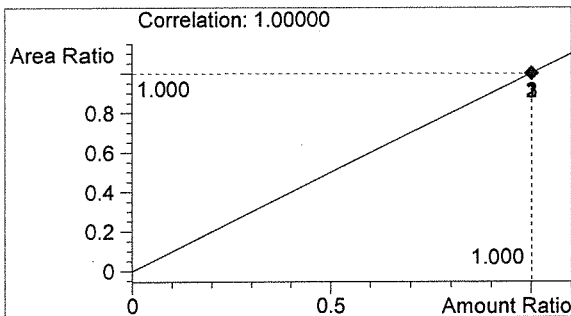


#	Compound	Peak Area	RT (min)
1	Ethanol	753	1.024
2	n-Propanol	1676	1.753



Ethanol 0.101 g/100mL

Handwritten: Buo



n-Propanol 0.012 g/100mL

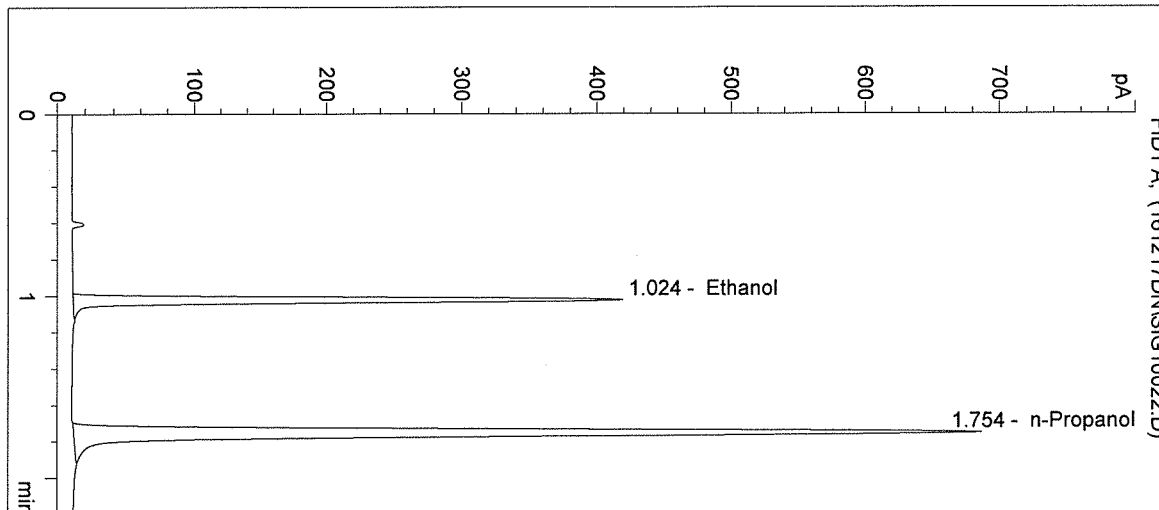
Handwritten: DN

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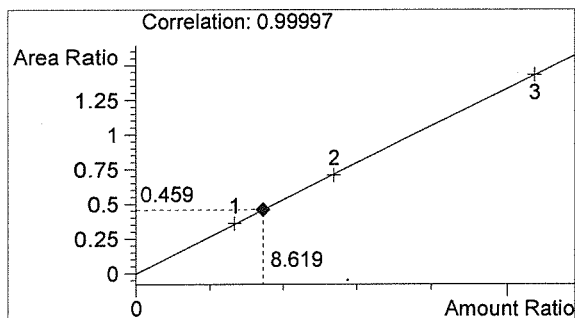
Inj. Date: 12/17/2016 11:55:06 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: POS CTRL: 0.10 g/100mL
16054

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

->

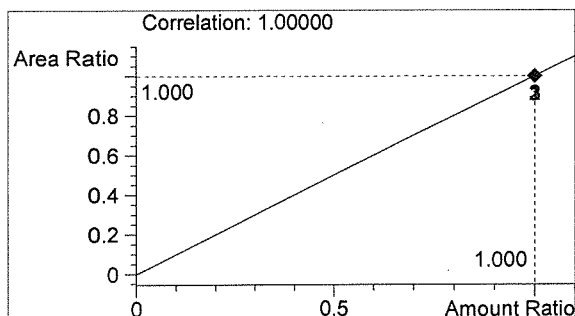


#	Compound	Peak Area	RT (min)
1	Ethanol	836	1.024
2	n-Propanol	1822	1.754



Ethanol 0.103 g/100mL

PNW



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 12/17/2016 11:58:19 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

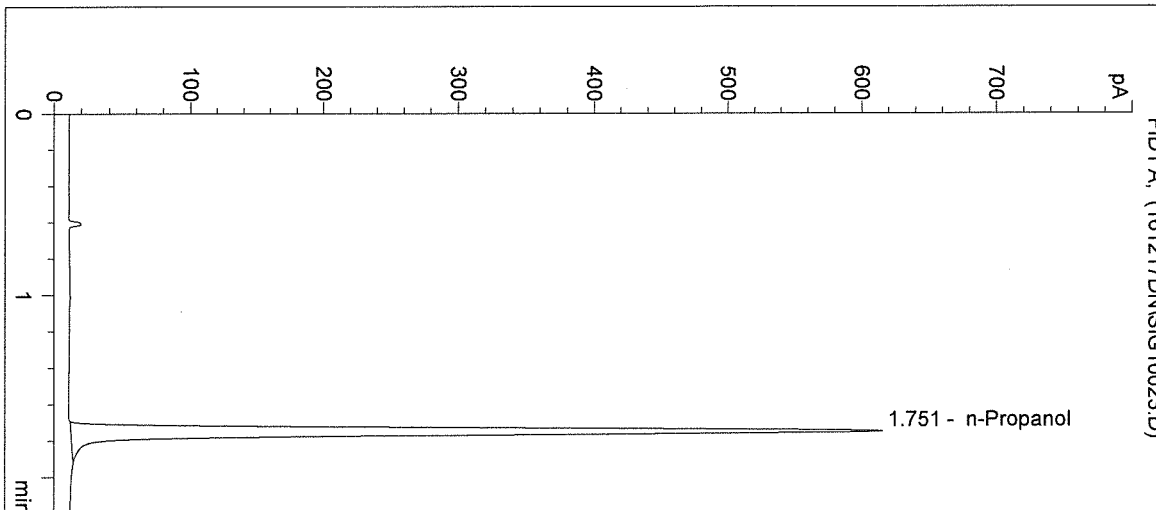
Operator: David Nguyen

Column: DB-ALC2

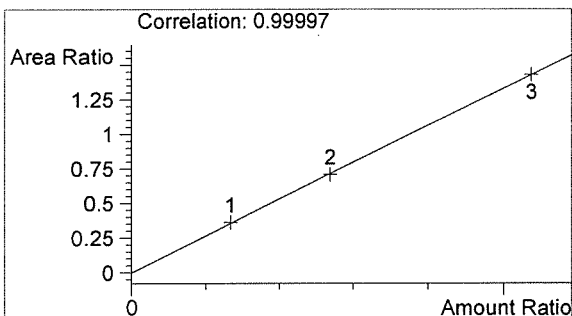
Location: Vial 23

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

Sample Info: 16054

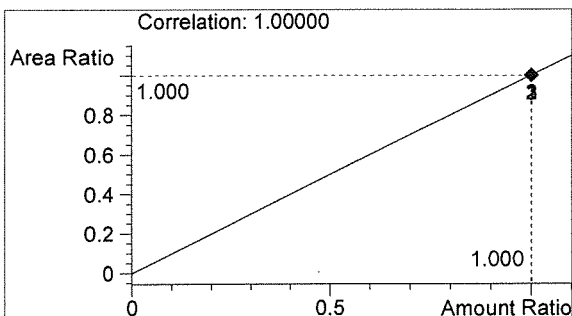


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1624	1.751



Ethanol 0.000 g/100mL

AWD



n-Propanol 0.012 g/100mL

DN

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\2\DATA\
 Data Subdirectory: 161217AC
 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 16053.

16054
 Buw 1-10-17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16053 #1	SIMALC3	1	Sample		
11	Vial 11	16053 #2	SIMALC3	1	Sample		
12	Vial 12	16053 #3	SIMALC3	1	Sample		
13	Vial 13	16053 #4	SIMALC3	1	Sample		
14	Vial 14	16053 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16054 #1	SIMALC3	1	Sample		
18	Vial 18	16054 #2	SIMALC3	1	Sample		
19	Vial 19	16054 #3	SIMALC3	1	Sample		
20	Vial 20	16054 #4	SIMALC3	1	Sample		
21	Vial 21	16054 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16055 #1	SIMALC3	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC3	1	Sample		
26	Vial 26	16055 #3	SIMALC3	1	Sample		
27	Vial 27	16055 #4	SIMALC3	1	Sample		
28	Vial 28	16055 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16056 #1	SIMALC3	1	Sample		
32	Vial 32	16056 #2	SIMALC3	1	Sample		
33	Vial 33	16056 #3	SIMALC3	1	Sample		
34	Vial 34	16056 #4	SIMALC3	1	Sample		
35	Vial 35	16056 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	16057 #1	SIMALC3	1	Sample		
39	Vial 39	16057 #2	SIMALC3	1	Sample		
40	Vial 40	16057 #3	SIMALC3	1	Sample		
41	Vial 41	16057 #4	SIMALC3	1	Sample		
42	Vial 42	16057 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

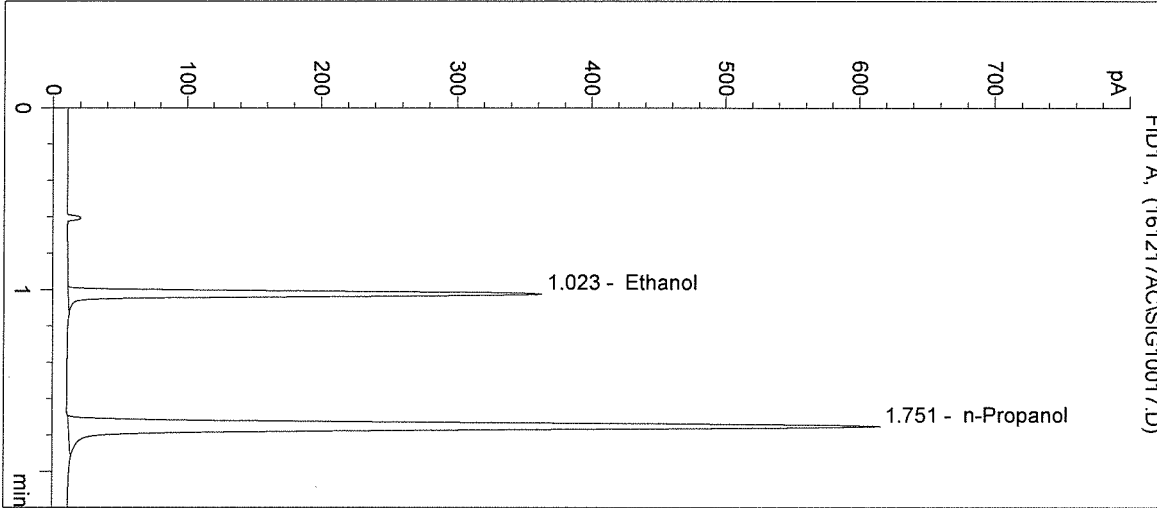
16054
 PMU 1-10-17

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

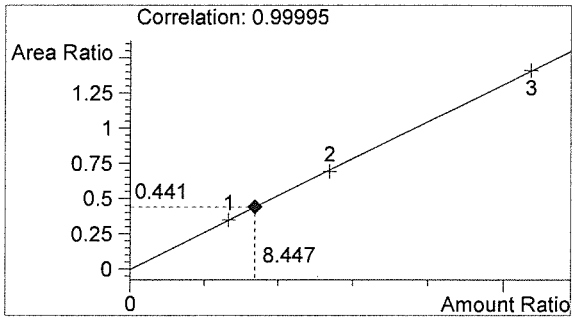
Inj. Date: 12/17/2016 2:34:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 16054 #1
Operator: Amanda Chandler
Location: Vial 17

Sample Info:

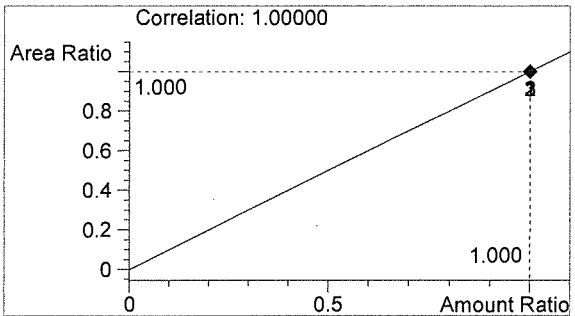


#	Compound	Peak Area	RT (min)
1	Ethanol	715	1.023
2	n-Propanol	1623	1.751



Ethanol 0.101 g/100mL

AWD

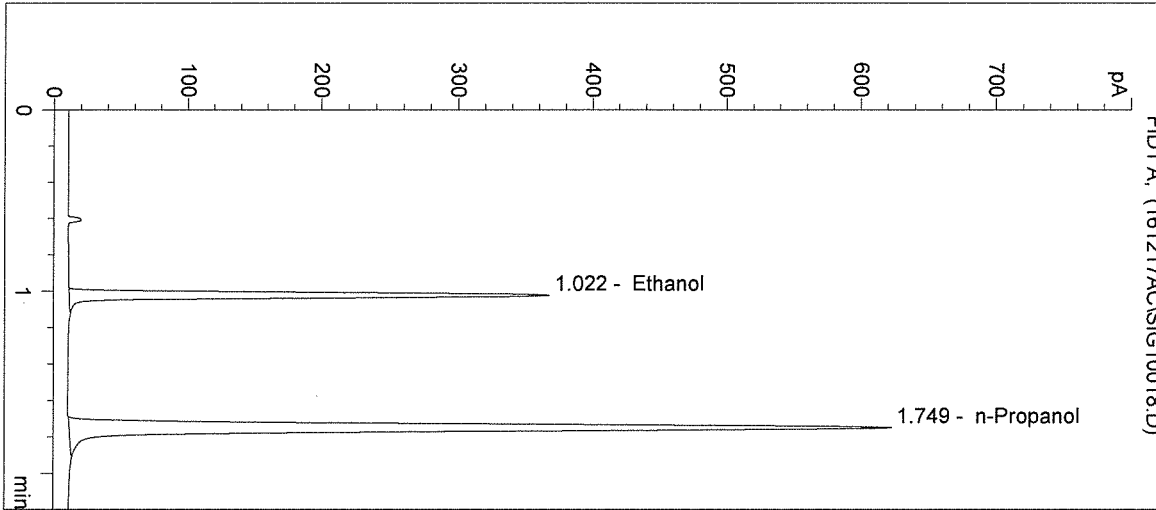


n-Propanol 0.012 g/100mL

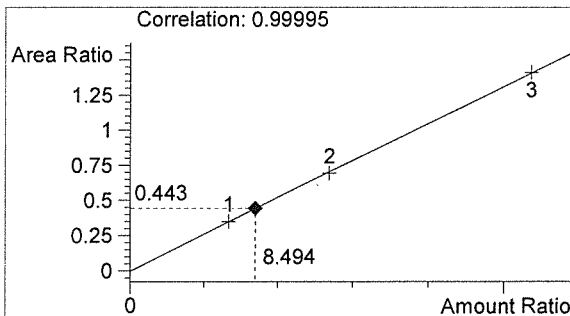
AK

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/17/2016 2:37:26 PM Sample Name: 16054 #2
Instrument: HSGC#3 Operator: Amanda Chandler
Column: DB-ALC2 Location: Vial 18
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

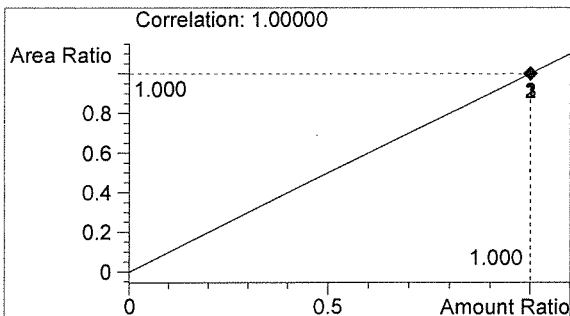


#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.022
2	n-Propanol	1649	1.749



Ethanol 0.102 g/100mL

AWO



n-Propanol 0.012 g/100mL

Ac

Washington State Patrol Toxicology Laboratory
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Inj. Date: 12/17/2016 2:40:40 PM

Sample Name: 16054 #3

Instrument: HSGC#3

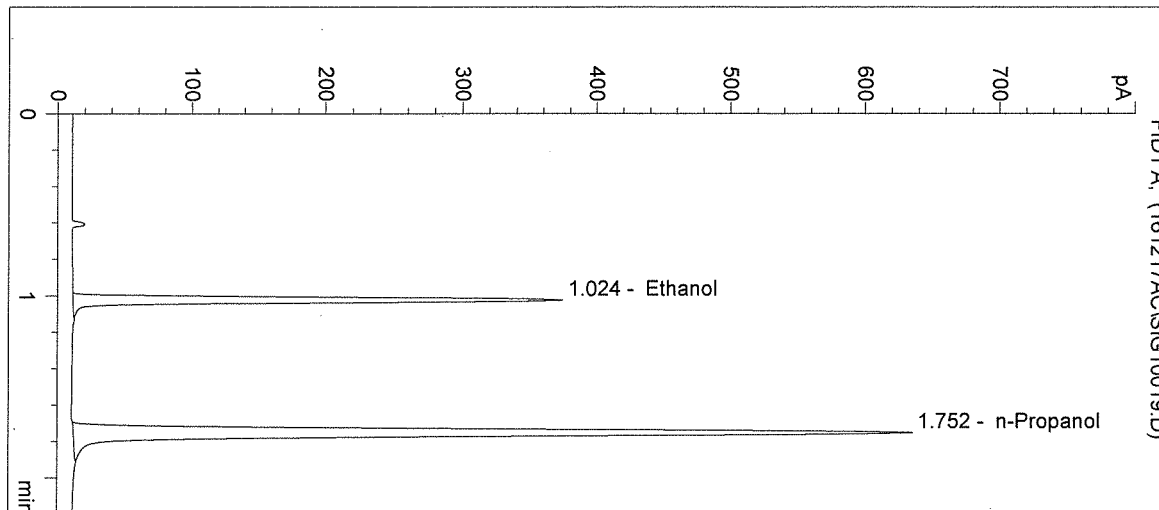
Operator: Amanda Chandler

Column: DB-ALC2

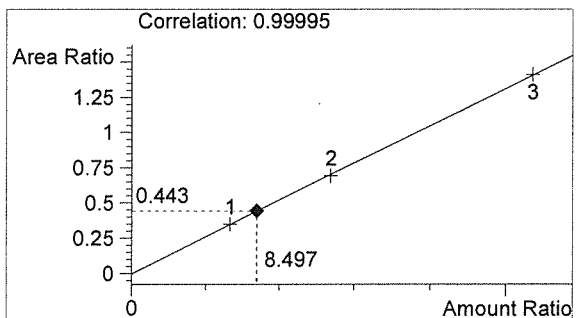
Location: Vial 19

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

Sample Info:

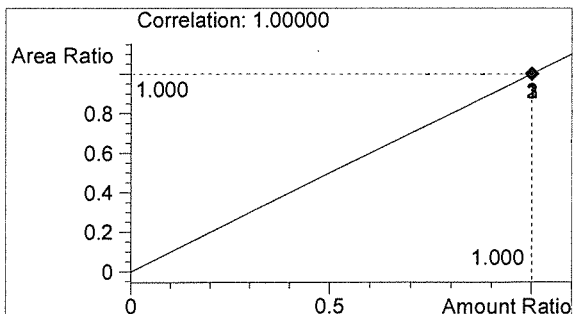


#	Compound	Peak Area	RT (min)
1	Ethanol	747	1.024
2	n-Propanol	1686	1.752



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: 12/17/2016 2:43:52 PM

Sample Name: 16054 #4

Instrument: HSGC#3

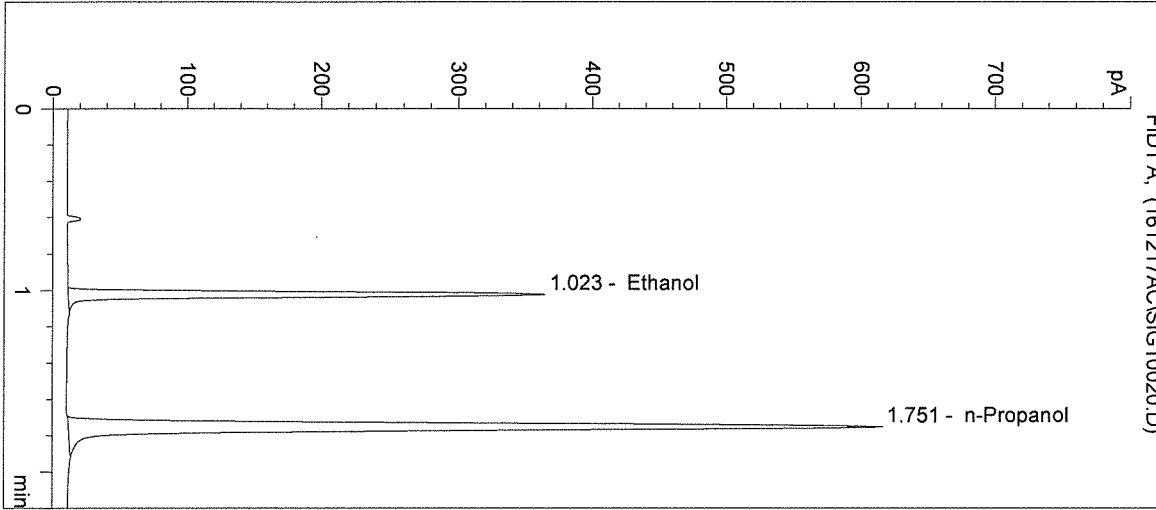
Operator: Amanda Chandler

Column: DB-ALC2

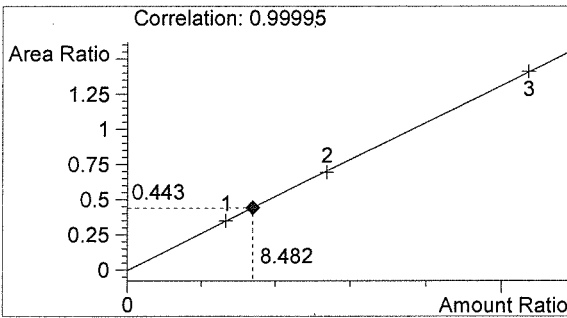
Location: Vial 20

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

Sample Info:

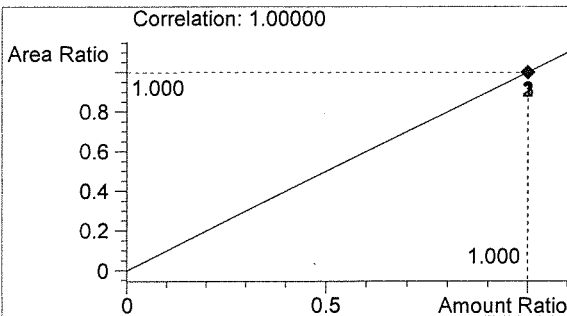


#	Compound	Peak Area	RT (min)
1	Ethanol	721	1.023
2	n-Propanol	1628	1.751



Ethanol 0.102 g/100mL

AWD



n-Propanol 0.012 g/100mL

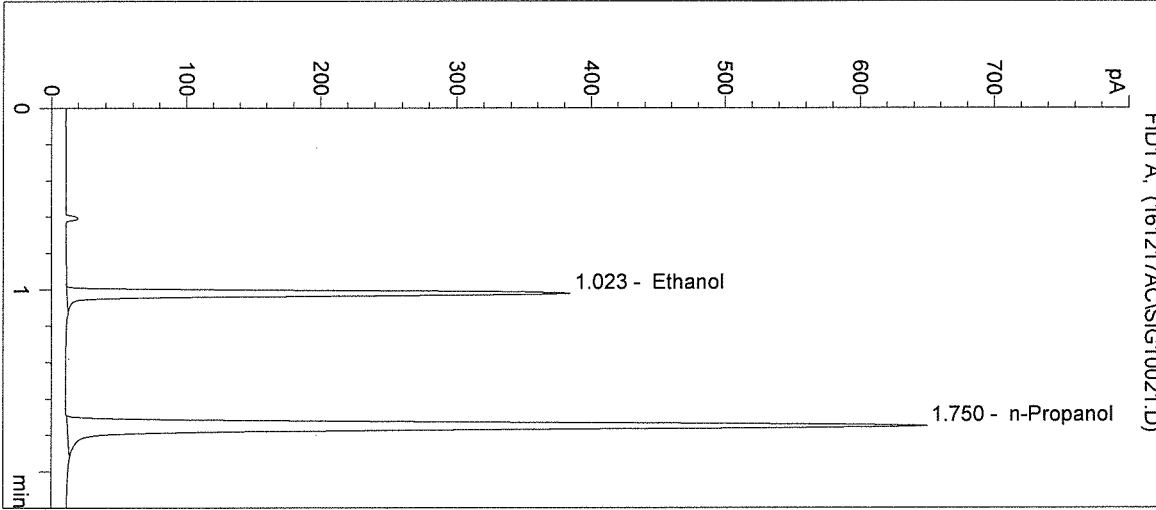
AC

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 2203 Airport Way S Seattle, WA 98134

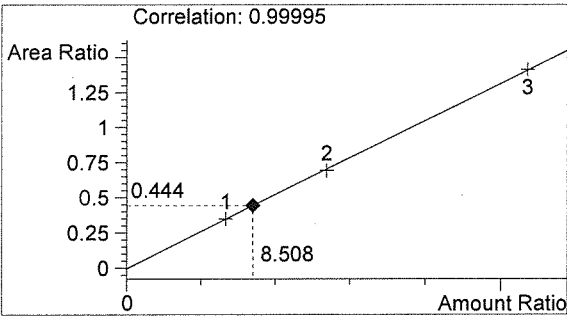
Inj. Date: 12/17/2016 2:47:06 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 16054 #5
 Operator: Amanda Chandler
 Location: Vial 21

Sample Info:

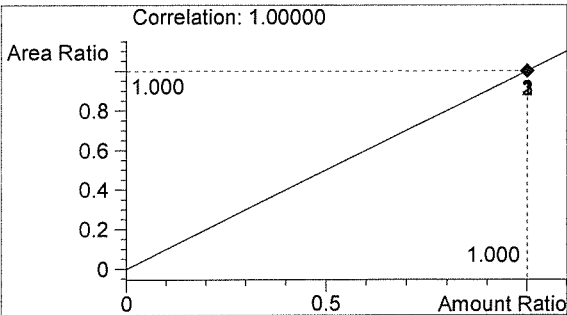


#	Compound	Peak Area	RT (min)
1	Ethanol	761	1.023
2	n-Propanol	1715	1.750



Ethanol 0.102 g/100mL

AW



n-Propanol 0.012 g/100mL

AC

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

Inj. Date: 12/17/2016 2:50:19 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

Operator: Amanda Chandler

Column: DB-ALC2

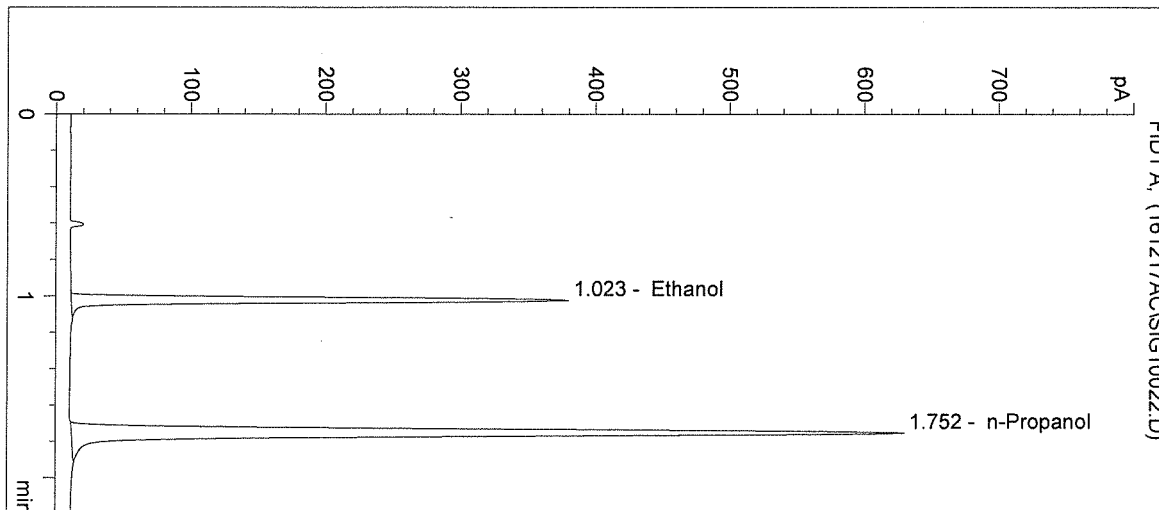
Location: Vial 22

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

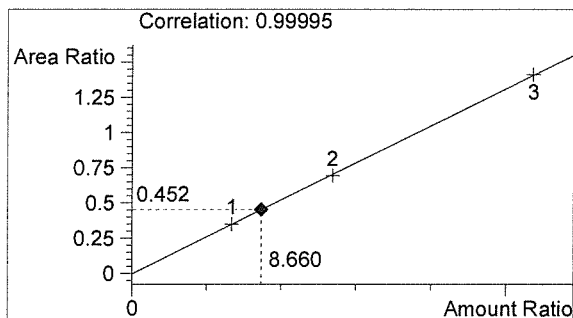
Sample Info: POS CTRL: 0.10 g/100mL

16054

->

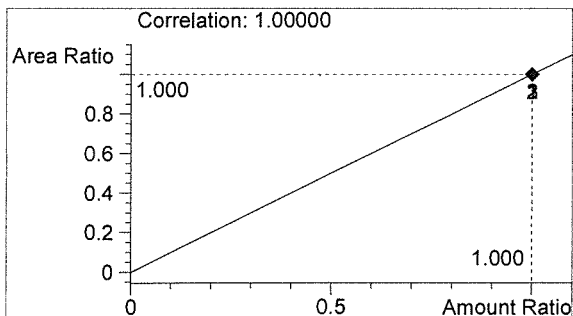


#	Compound	Peak Area	RT (min)
1	Ethanol	752	1.023
2	n-Propanol	1664	1.752



Ethanol 0.104 g/100mL

Buo

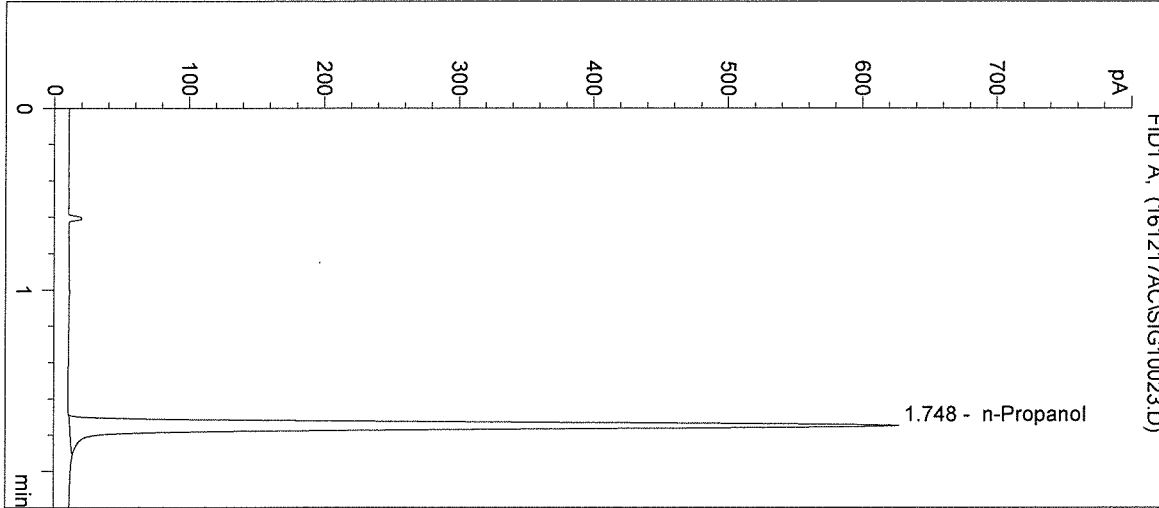


n-Propanol 0.012 g/100mL

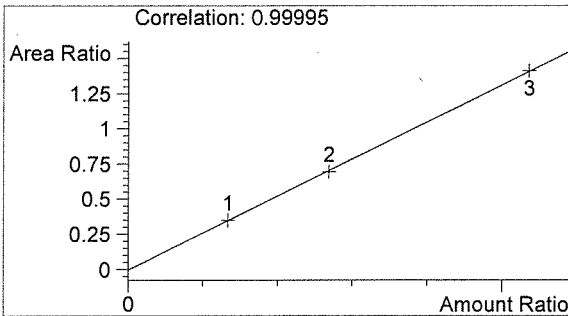
A

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Inj. Date: 12/17/2016 2:53:32 PM Sample Name: NEG CTRL
Instrument: HSGC#3 Operator: Amanda Chandler
Column: DB-ALC2 Location: Vial 23
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 16054

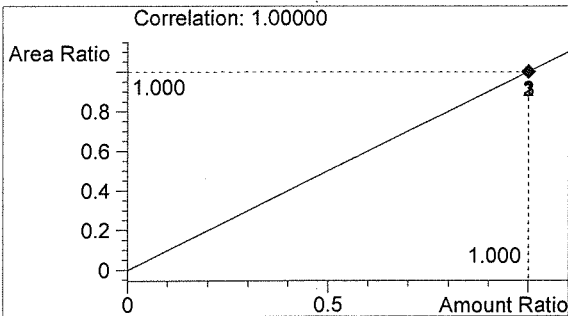


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1657	1.748



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL

AR

Sequence Parameters:

Operator: Chris Johnston
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 161221CQ
 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

16054
 Buw 1.10.17

Calibration vials 1-9 filed with 16053.

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	16053 #1	SIMALC1	1	Sample		
11	Vial 11	16053 #2	SIMALC1	1	Sample		
12	Vial 12	16053 #3	SIMALC1	1	Sample		
13	Vial 13	16053 #4	SIMALC1	1	Sample		
14	Vial 14	16053 #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	16054 #1	SIMALC1	1	Sample		
18	Vial 18	16054 #2	SIMALC1	1	Sample		
19	Vial 19	16054 #3	SIMALC1	1	Sample		
20	Vial 20	16054 #4	SIMALC1	1	Sample		
21	Vial 21	16054 #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	16055 #1	SIMALC1	1	Sample		

W
 W

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16055 #2	SIMALC1	1	Sample		
26	Vial 26	16055 #3	SIMALC1	1	Sample		
27	Vial 27	16055 #4	SIMALC1	1	Sample		
28	Vial 28	16055 #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	16056 #1	SIMALC1	1	Sample		
32	Vial 32	16056 #2	SIMALC1	1	Sample		
33	Vial 33	16056 #3	SIMALC1	1	Sample		
34	Vial 34	16056 #4	SIMALC1	1	Sample		
35	Vial 35	16056 #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	16057 #1	SIMALC1	1	Sample		
39	Vial 39	16057 #2	SIMALC1	1	Sample		
40	Vial 40	16057 #3	SIMALC1	1	Sample		
41	Vial 41	16057 #4	SIMALC1	1	Sample		
42	Vial 42	16057 #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!

16054
PMO 1-10-17

W
W

Inj. Date: 12/21/2016 4:36:02 PM

Sample Name: 16054 #1

Instrument: HSGC#1

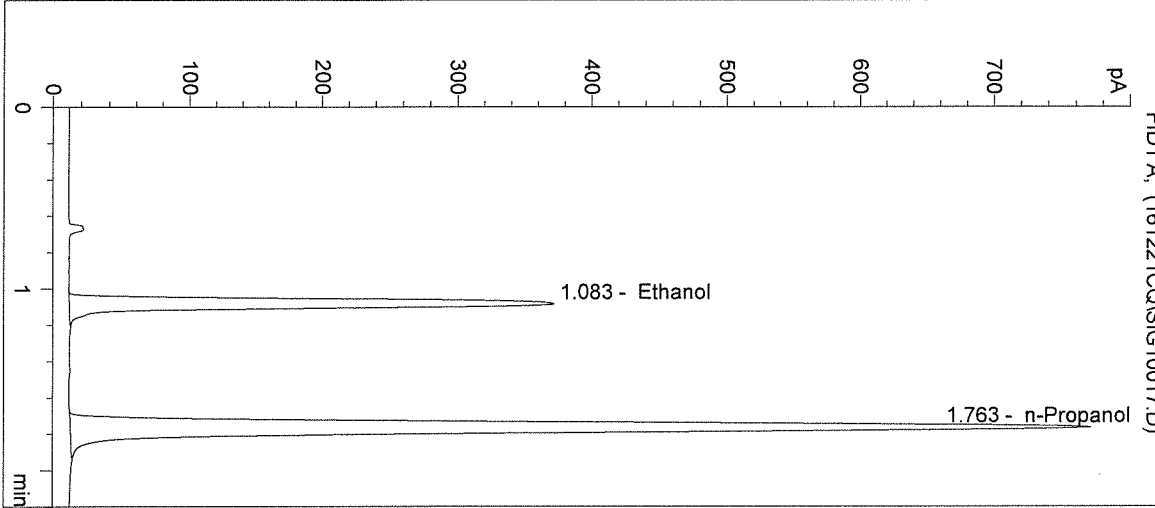
Operator: Chris Johnston

Column: DB-ALC1

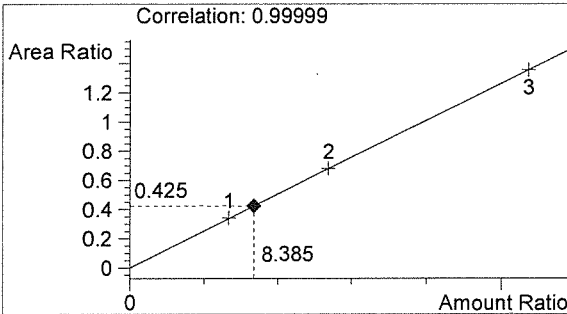
Location: Vial 17

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

Sample Info:

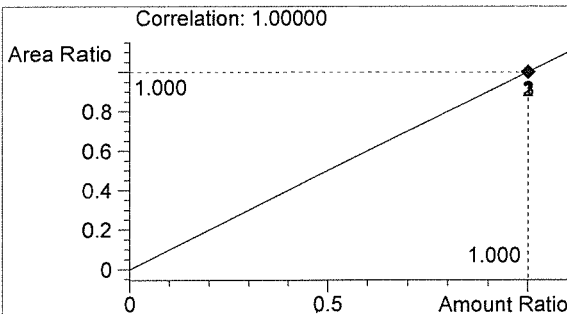


#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.083
2	n-Propanol	2850	1.763



Ethanol 0.101 g/100mL

BW



n-Propanol 0.012 g/100mL

W

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Inj. Date: 12/21/2016 4:39:16 PM

Sample Name: 16054 #2

Instrument: HSGC#1

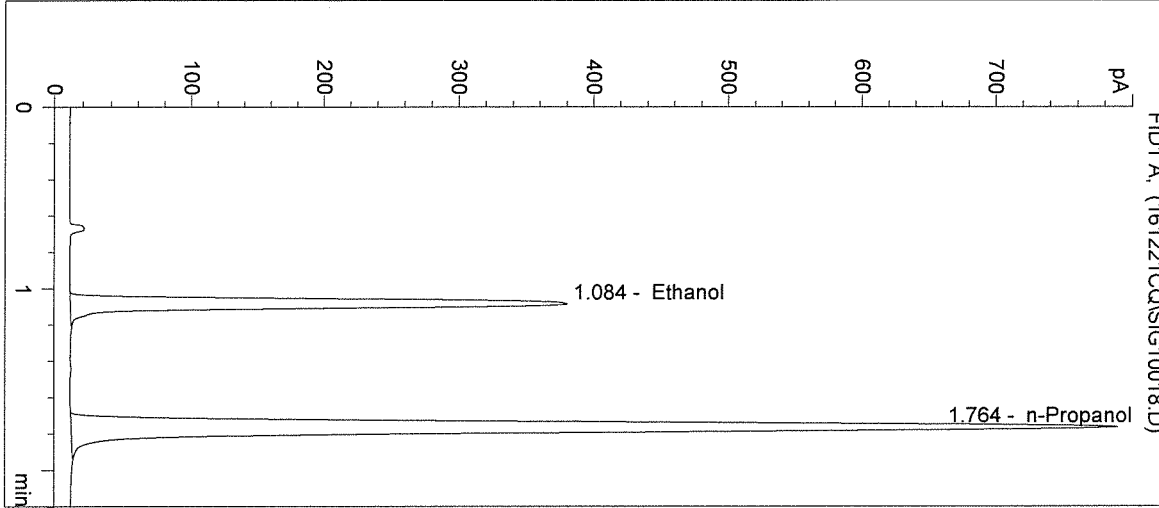
Operator: Chris Johnston

Column: DB-ALC1

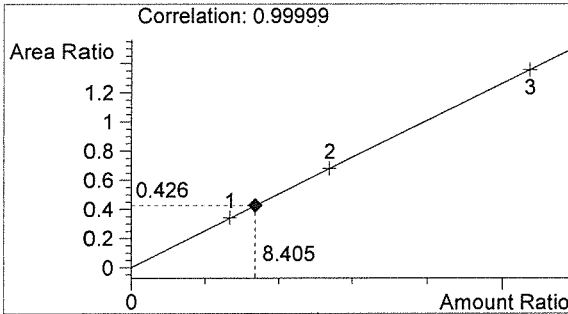
Location: Vial 18

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

Sample Info:

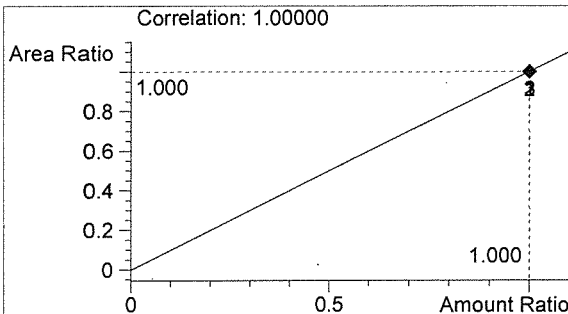


#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.084
2	n-Propanol	2928	1.764



Ethanol 0.101 g/100mL

BWD



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 12/21/2016 4:42:29 PM

Sample Name: 16054 #3

Instrument: HSGC#1

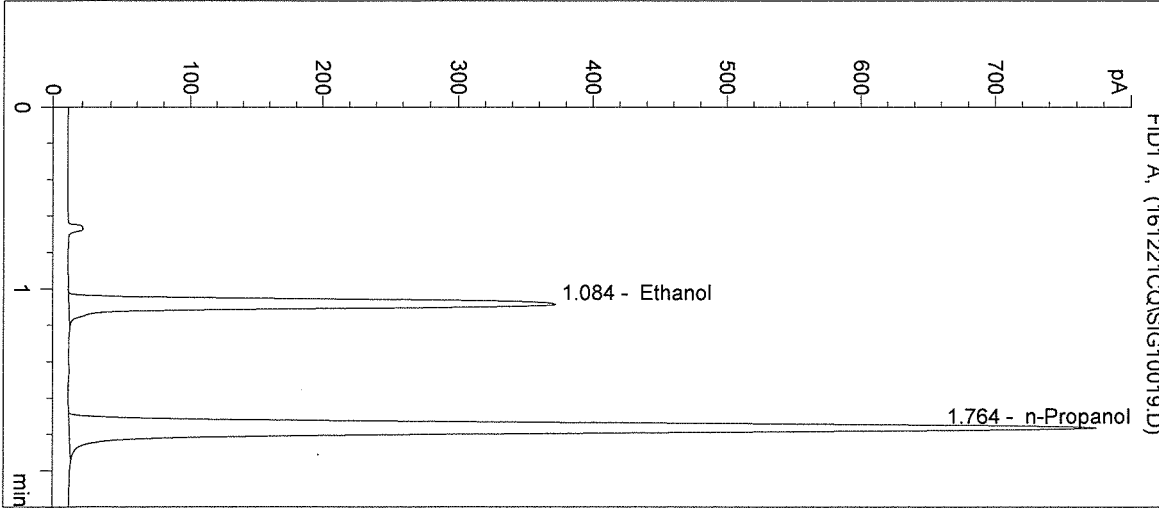
Operator: Chris Johnston

Column: DB-ALC1

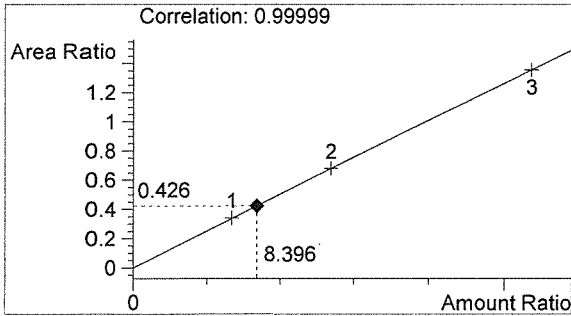
Location: Vial 19

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

Sample Info:

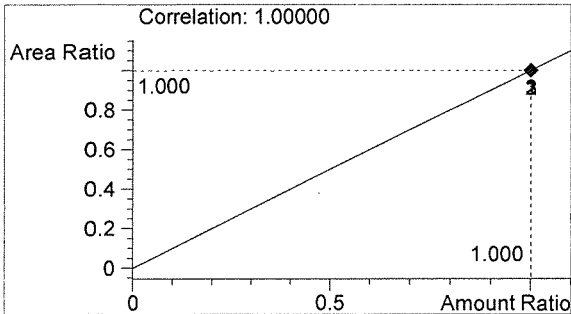


#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.084
2	n-Propanol	2878	1.764



Ethanol 0.101 g/100mL

PLW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 12/21/2016 4:45:42 PM

Sample Name: 16054 #4

Instrument: HSGC#1

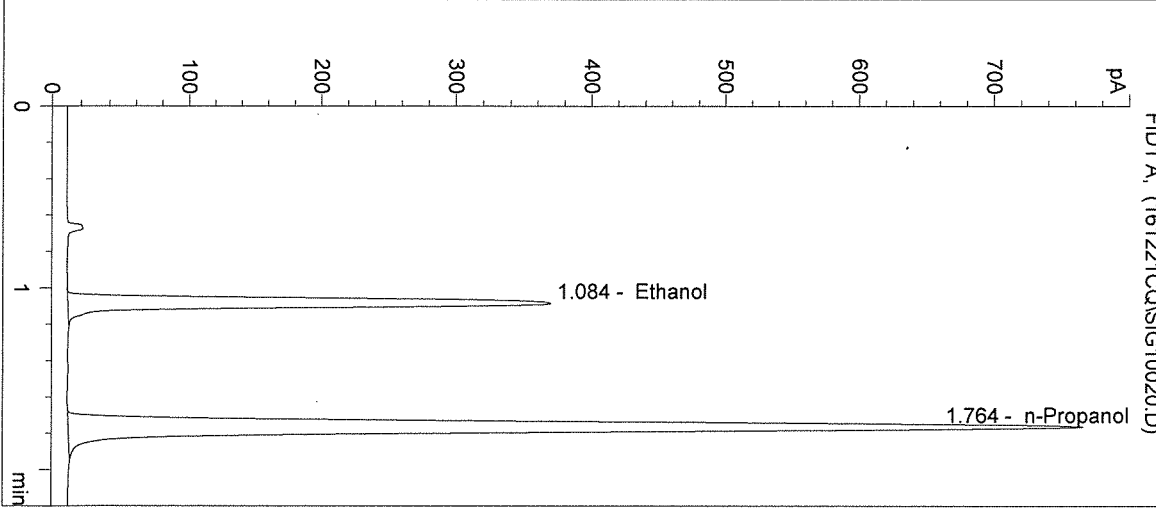
Operator: Chris Johnston

Column: DB-ALC1

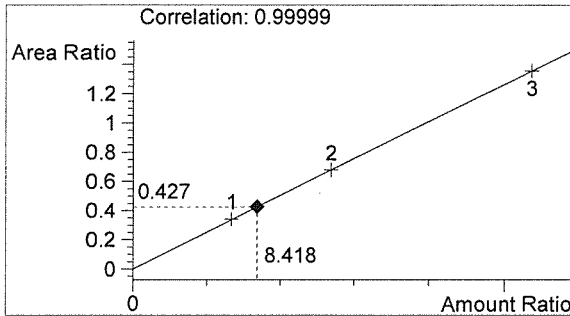
Location: Vial 20

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

Sample Info:

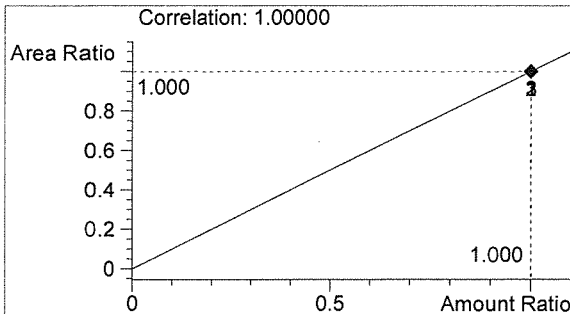


#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.084
2	n-Propanol	2840	1.764



Ethanol 0.101 g/100mL

PLW



n-Propanol 0.012 g/100mL

W

Inj. Date: 12/21/2016 4:48:55 PM

Sample Name: 16054 #5

Instrument: HSGC#1

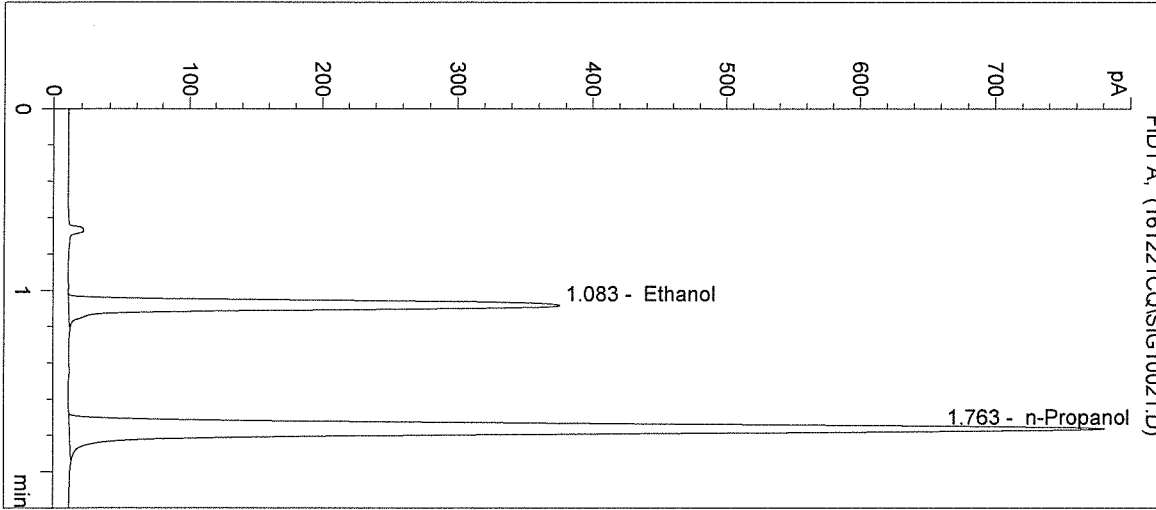
Operator: Chris Johnston

Column: DB-ALC1

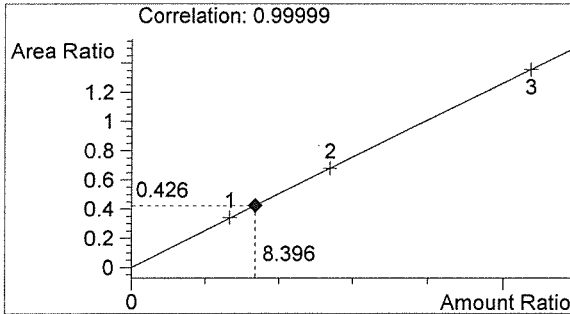
Location: Vial 21

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

Sample Info:

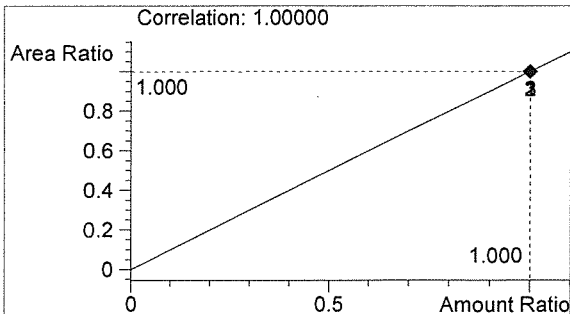


#	Compound	Peak Area	RT (min)
1	Ethanol	1231	1.083
2	n-Propanol	2889	1.763



Ethanol 0.101 g/100mL

AWD

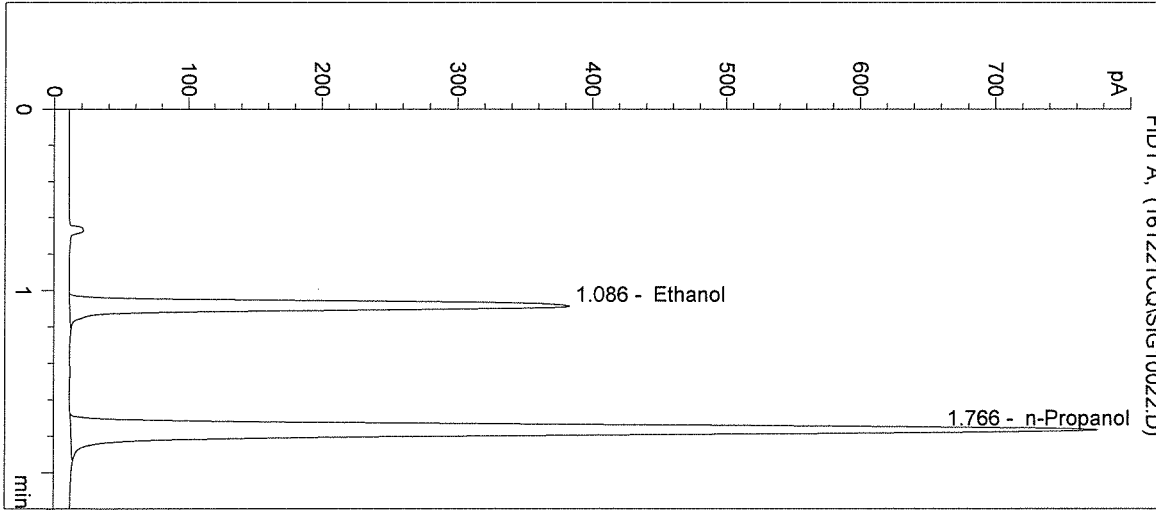


n-Propanol 0.012 g/100mL

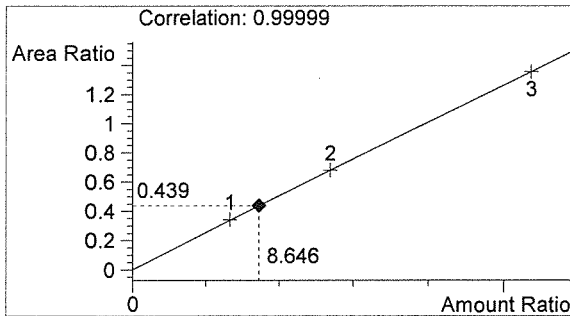
W

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

Inj. Date: 12/21/2016 4:52:09 PM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Chris Johnston
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16054

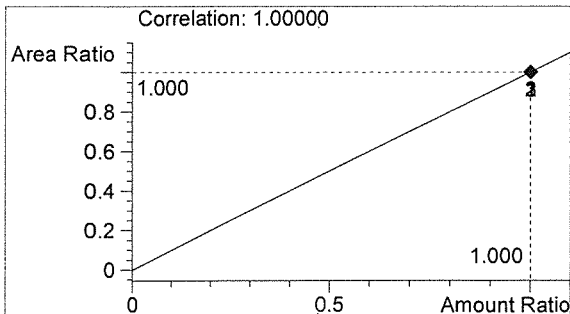


#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.086
2	n-Propanol	2887	1.766



Ethanol 0.104 g/100mL

BLW



n-Propanol 0.012 g/100mL

3

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

Inj. Date: 12/21/2016 4:55:22 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

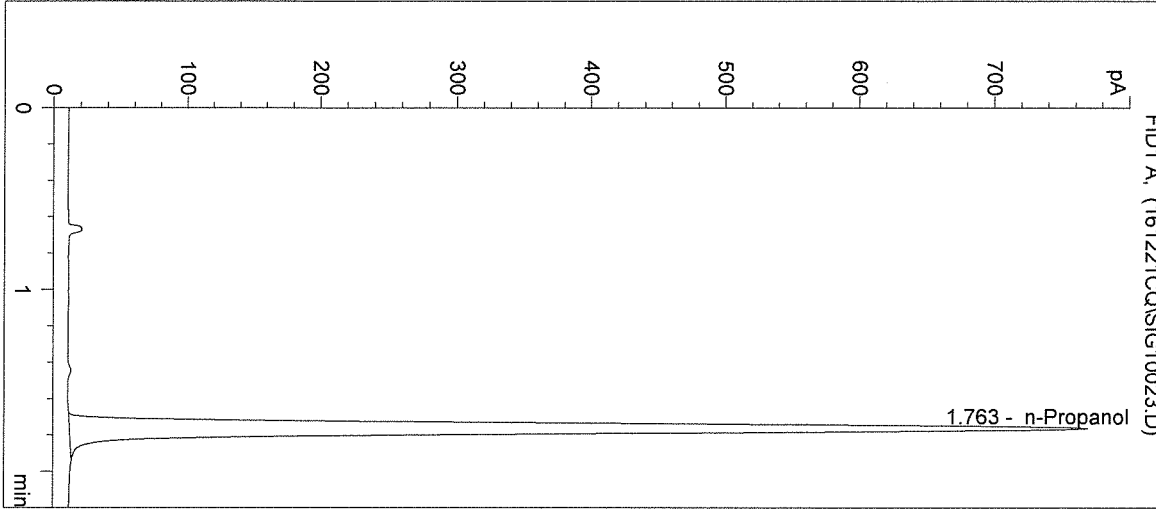
Operator: Chris Johnston

Column: DB-ALC1

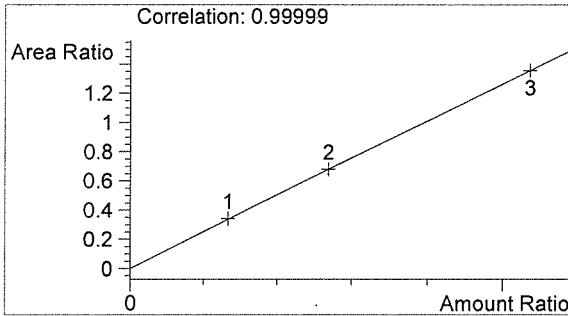
Location: Vial 23

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

Sample Info: 16054

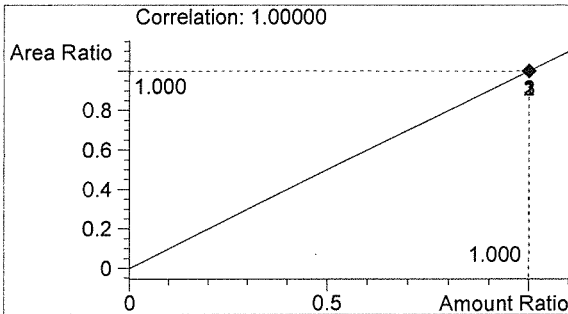


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2855	1.763



Ethanol 0.000 g/100mL

PLW



n-Propanol 0.012 g/100mL

w