



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 17053

**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: 0.10 g/210L  
DATE PREPARED: 08/07/2017  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Katie Harris

	KH	AG	RF
1	0.122	0.126	0.125
2	0.125	0.125	0.127
3	0.126	0.125	0.128
4	0.122	0.125	0.125
5	0.124	0.126	0.126
C	0.100	0.102	0.101

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1251 g/100mL PRECISION CV (%): 1.28  
STANDARD DEVIATION: 0.00160 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1017 g/210L  
EXPANDED UNCERTAINTY: ± 0.0026 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Brittany Thomas*  
Brittany Thomas Forensic Scientist Supervisor

*11/13/17*  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris	<i>Katie Harris</i>	08/07/2017
AG	Andrew Gingras	<i>Andrew Gingras</i>	08/16/2017
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>	08/17/2017

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 11-30-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17053

	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: 11-30-17

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

QAP Solution Batch #: 17053

Date Prepared: 8/7/2017

Analyst:	KH	AG	RF
Date Tested:	8/7/2017	8/16/2017	8/17/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.122	0.126	0.125
2	0.125	0.125	0.127
3	0.126	0.125	0.128
4	0.122	0.125	0.125
5	0.124	0.126	0.126
C	0.100	0.102	0.101

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000108670	0.0000326765	0.0001016326

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

Average Solution Concentration: 0.1251 g/100mL  
Standard Deviation: 0.00160 g/100mL  
Precision CV (%): 1.28  
Equivalent Vapor Concentration: 0.1017 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0013 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0026 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas Brittany Thomas 11/8/17  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 11-30-17 Method: Hand calculation  
Name Signature Date

Review of batch file performed by: Brittany Thomas Brittany Thomas 11/8/17  
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	AG	11/11/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris	KH	11/8/17
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty	RF	11.13.17

Batch # ~~17053~~  
BT 11/8/17

17053  
BT 11/8/17

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17053**

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

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

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

The quality assurance procedure (QAP) solution, Lot Number 17053, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

Katie Harris      11/8/17

Katie Harris

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17053**

I, Andrew Gingras, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17053, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

 8/7/2017

Andrew Gingras  
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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17053**

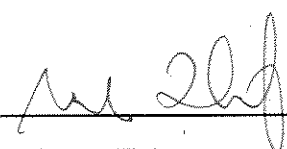
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17053, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

  
\_\_\_\_\_  
Rebecca Flaherty  
Forensic Scientist

11.13.17  
Date



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

Preparation Date: 8/7/17 Expiration Date: 8/7/18 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 1FF0202

Date the 200-proof Ethanol bottle was opened: 8/9/17

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>17051</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17052</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>17053</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17054</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17055</u>
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

8/7/17  
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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Katie Harris  
Analyst Signature

8/7/17  
Date

- 17053  
BT  
11/8/17



Sequence Parameters:

Operator: Katie Harris  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 170807KH  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Peaks present at  
 RT 0.746 are  
 extraneous and  
 have no effect on  
 ethanol and  
 n-propanol results.  
 KH 11/8/17

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0717-01 - X: 01/27/18  
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18  
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18  
 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: P0717 - X: 10/20/17  
 Calibration vials 1-9 filed with 17051

Diluter #2

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	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	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

17053  
 KH  
 11/8/17

KH KH

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	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	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	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	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	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!

-127053  
BT  
11/5/17

KW

KW

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

Inj. Date: 8/7/2017 11:31:04 AM

Sample Name: 17053-1

Instrument: HSGC#1

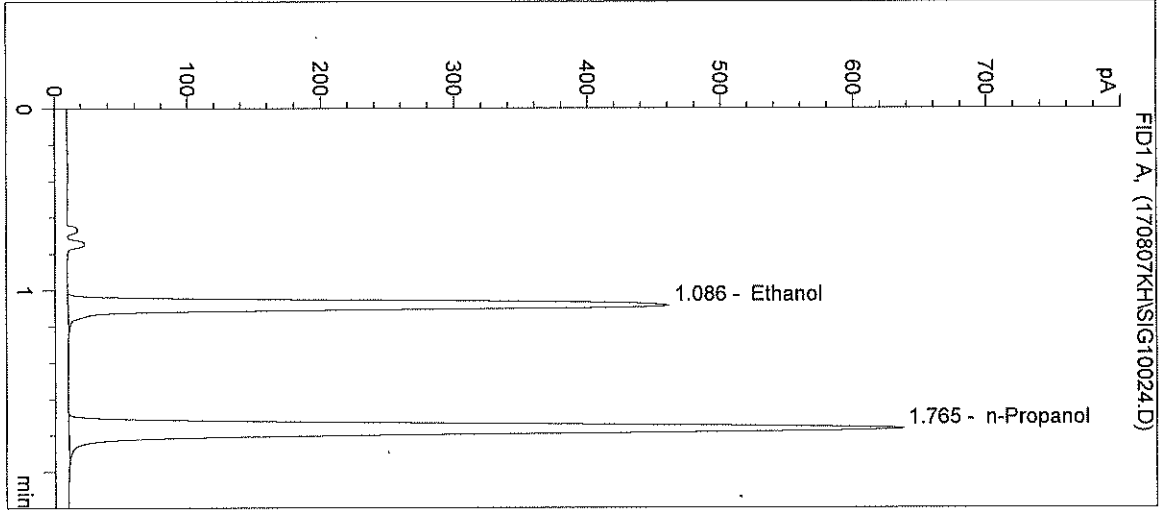
Operator: Katie Harris

Column: DB-ALC1

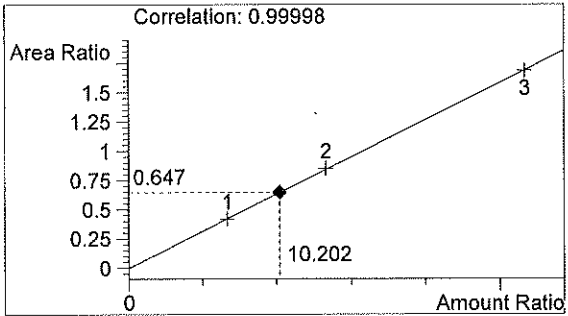
Location: Vial 24

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

Sample Info:

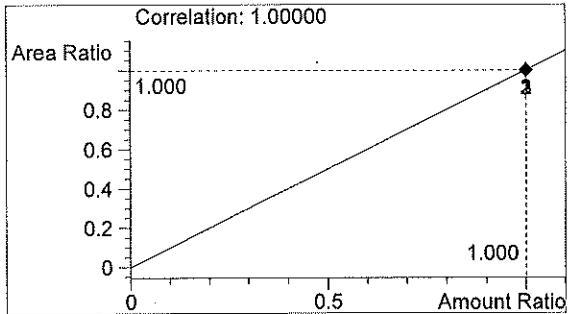


#	Compound	Peak Area	RT (min)
1	Ethanol	1530	1.086
2	n-Propanol	2365	1.765



Ethanol 0.122 g/100mL

*pat*  
*11/5/17*



n-Propanol 0.012 g/100mL

*KH*

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

Inj. Date: 8/7/2017 11:34:18 AM

Sample Name: 17053-2

Instrument: HSGC#1

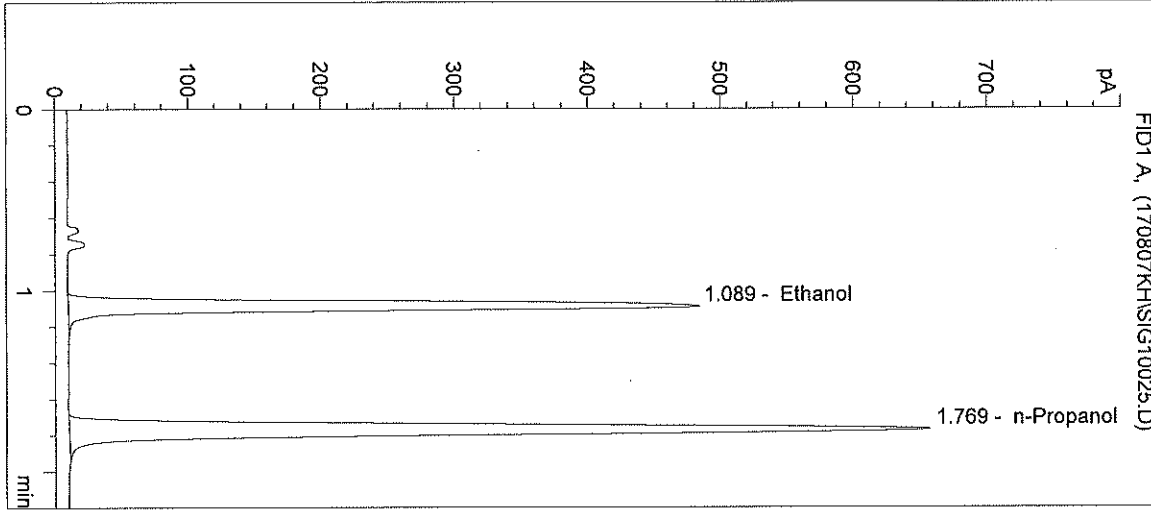
Operator: Katie Harris

Column: DB-ALC1

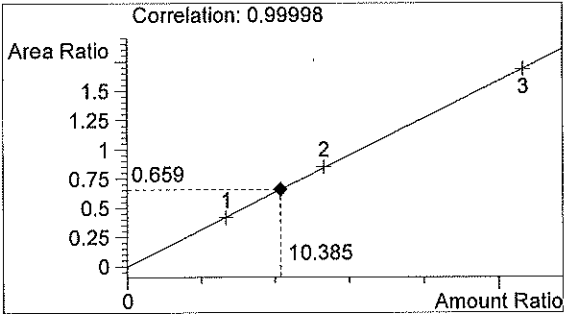
Location: Vial 25

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

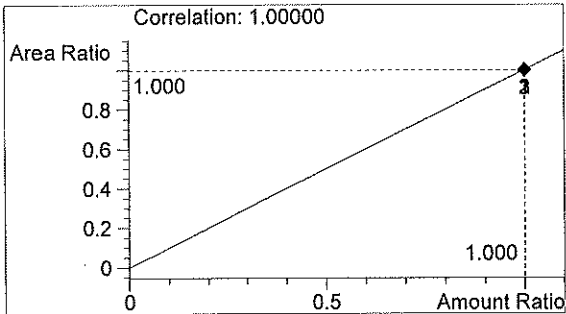
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1625	1.089
2	n-Propanol	2466	1.769



Ethanol 0.125 g/100mL *Box*



n-Propanol 0.012 g/100mL

*KW*

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

Inj. Date: 8/7/2017 11:37:31 AM

Sample Name: 17053-3

Instrument: HSGC#1

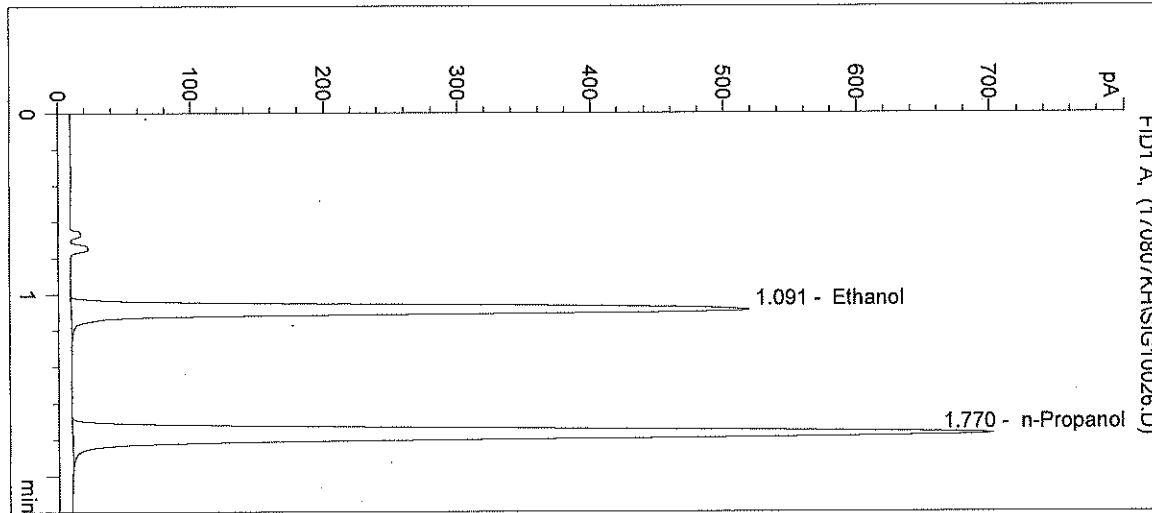
Operator: Katie Harris

Column: DB-ALC1

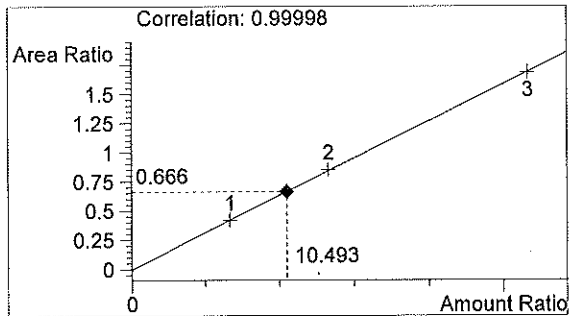
Location: Vial 26

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

Sample Info:

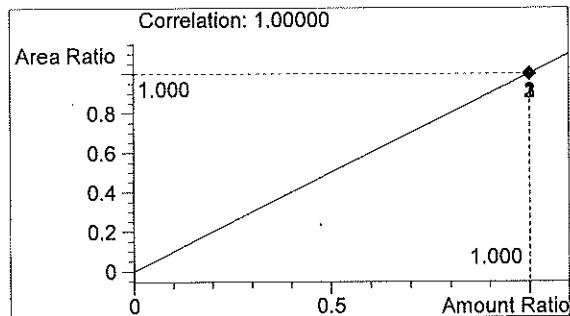


#	Compound	Peak Area	RT (min)
1	Ethanol	1773	1.091
2	n-Propanol	2664	1.770



Ethanol 0.126 g/100mL

*PAT*

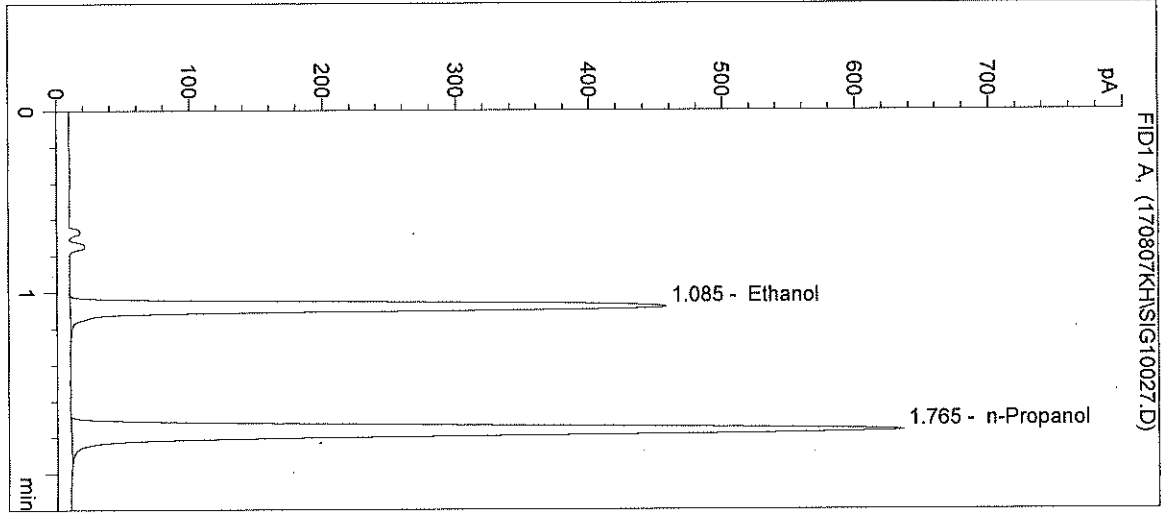


n-Propanol 0.012 g/100mL

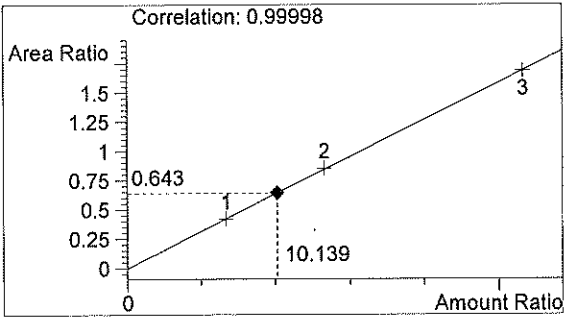
*KH*

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

Inj. Date: 8/7/2017 11:40:44 AM      Sample Name: 17053-4  
 Instrument: HSGC#1      Operator: Katie Harris  
 Column: DB-ALC1      Location: Vial 27  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

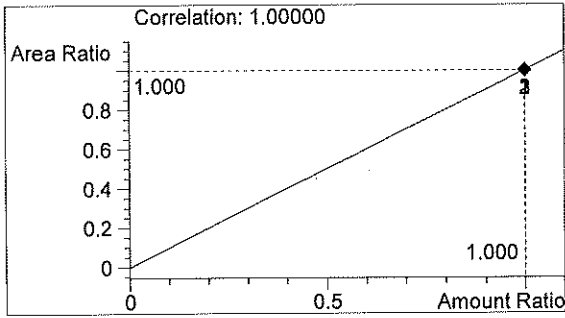


#	Compound	Peak Area	RT (min)
1	Ethanol	1518	1.085
2	n-Propanol	2360	1.765



Ethanol      0.122 g/100mL

*pat*

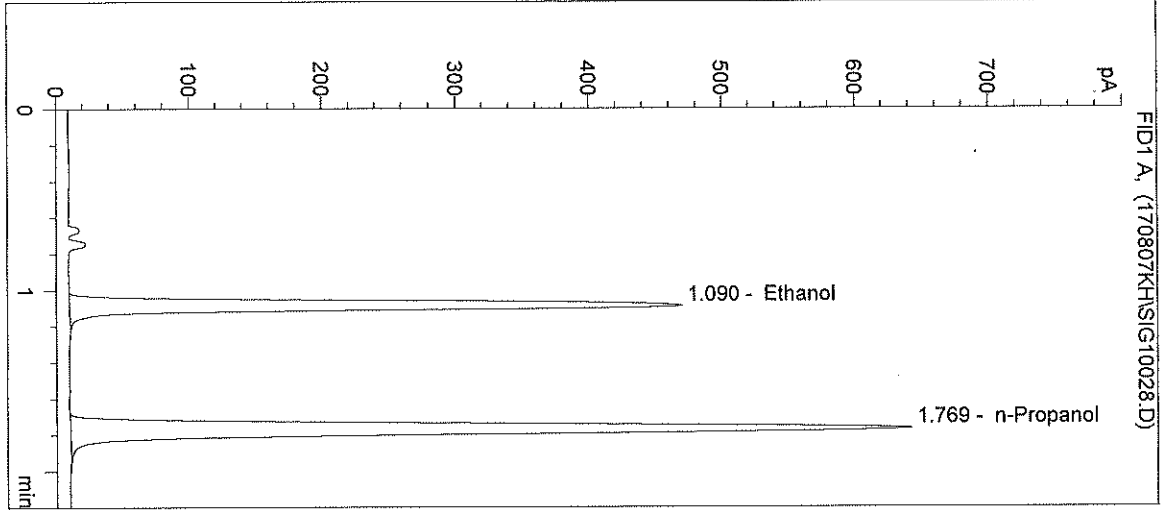


n-Propanol      0.012 g/100mL

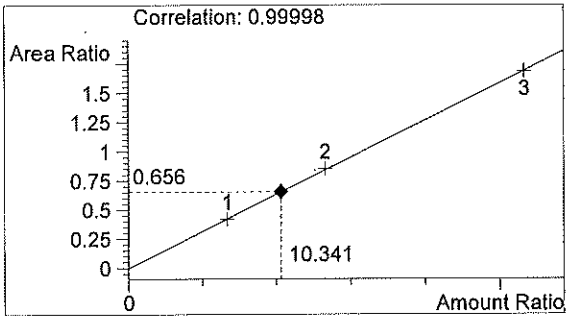
*KW*

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

Inj. Date: 8/7/2017 11:43:57 AM      Sample Name: 17053-5  
 Instrument: HSGC#1      Operator: Katie Harris  
 Column: DB-ALC1      Location: Vial 28  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

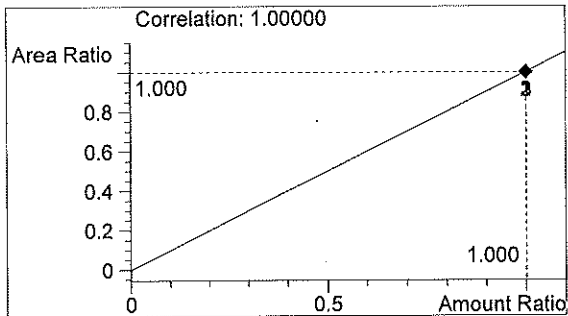


#	Compound	Peak Area	RT (min)
1	Ethanol	1584	1.090
2	n-Propanol	2414	1.769



Ethanol      0.124 g/100mL

*PT*



n-Propanol      0.012 g/100mL

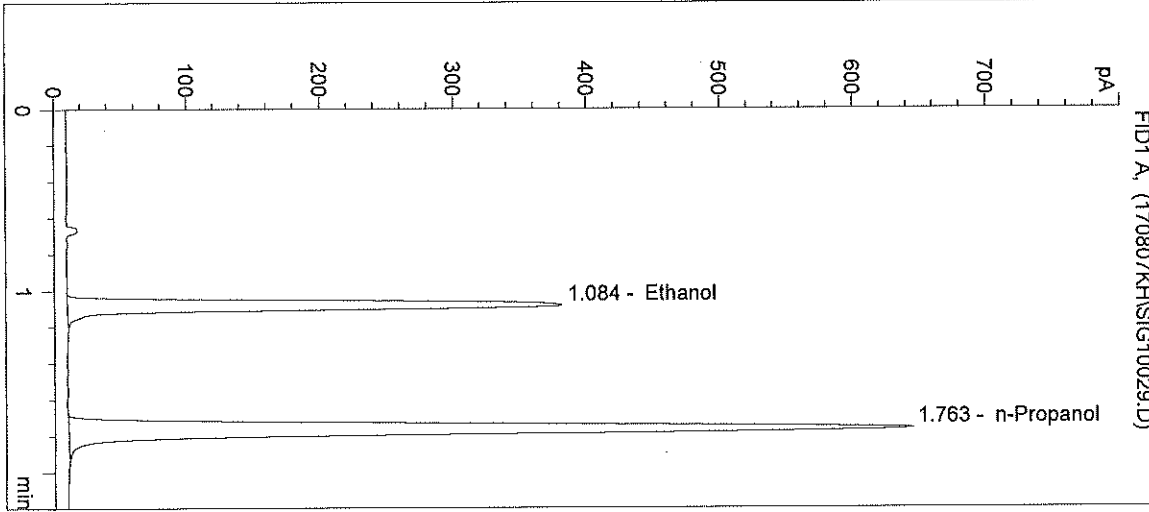
*KW*

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

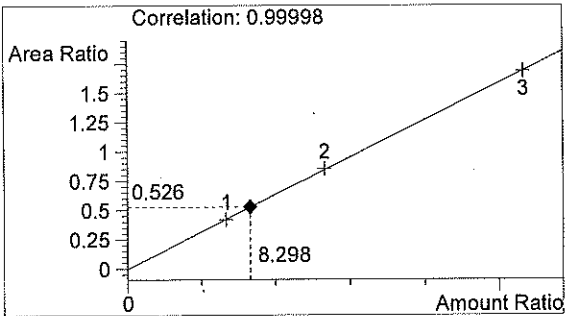
Inj. Date: 8/7/2017 11:47:11 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17053

Sample Name: POS CTRL (0.10)  
 Operator: Katie Harris  
 Location: Vial 29

->

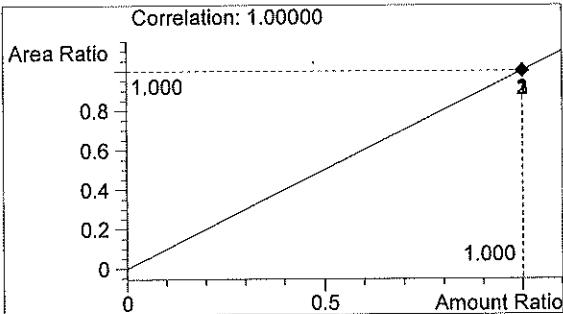


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.084
2	n-Propanol	2385	1.763



Ethanol 0.100 g/100mL

*MA*



n-Propanol 0.012 g/100mL

*KH*



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

Inj. Date: 8/7/2017 11:50:24 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

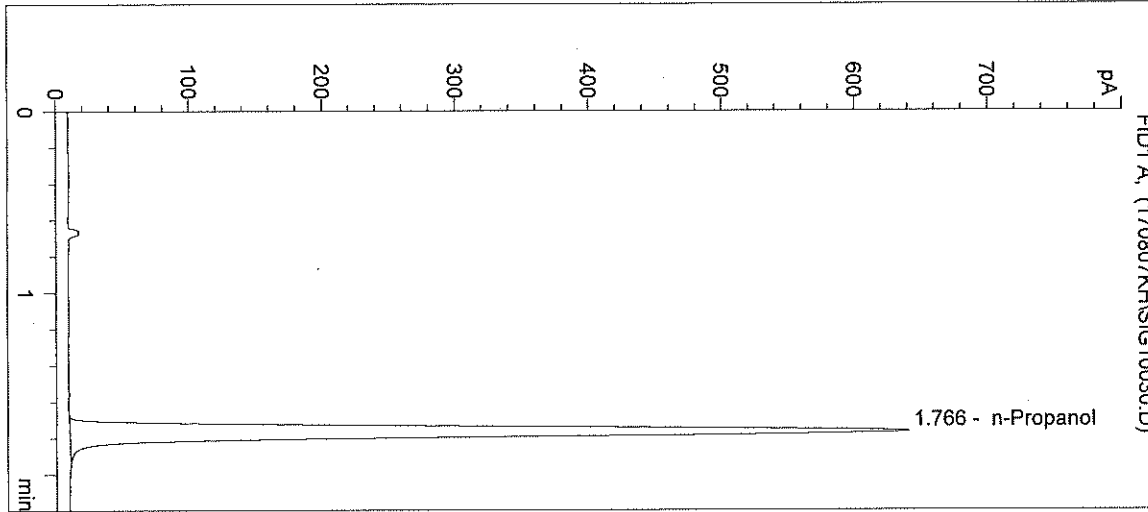
Operator: Katie Harris

Column: DB-ALC1

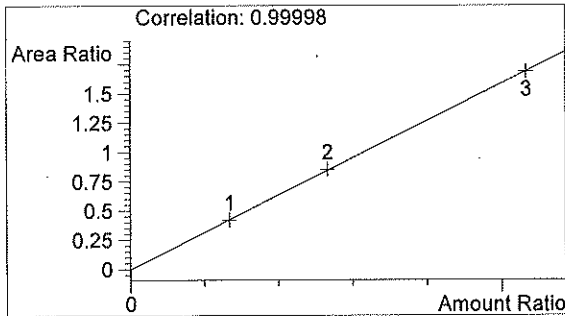
Location: Vial 30

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

Sample Info: 17053

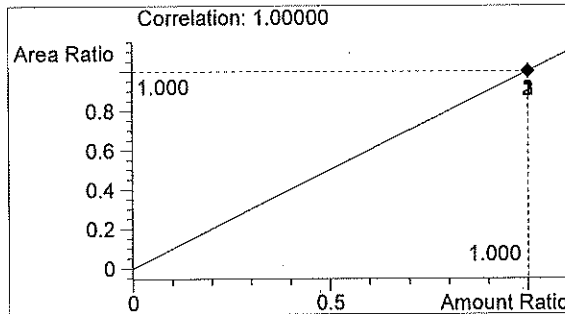


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2387	1.766



Ethanol 0.000 g/100mL

*PK*



n-Propanol 0.012 g/100mL

*KH*

Sequence Parameters:

Operator: Andrew Gingras  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 170816AG  
 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: E0717-01 - X: 01/27/18  
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18  
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18  
 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: P0717 - X: 10/20/17

Calibration vials 1-9 filed with 17051

Diluter #1

17053  
 BT  
 11/8/19

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	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	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	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	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	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	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	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	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!

17053  
RT  
11/5/17

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

Inj. Date: 8/16/2017 8:53:04 AM

Sample Name: 17053-1

Instrument: HSGC#1

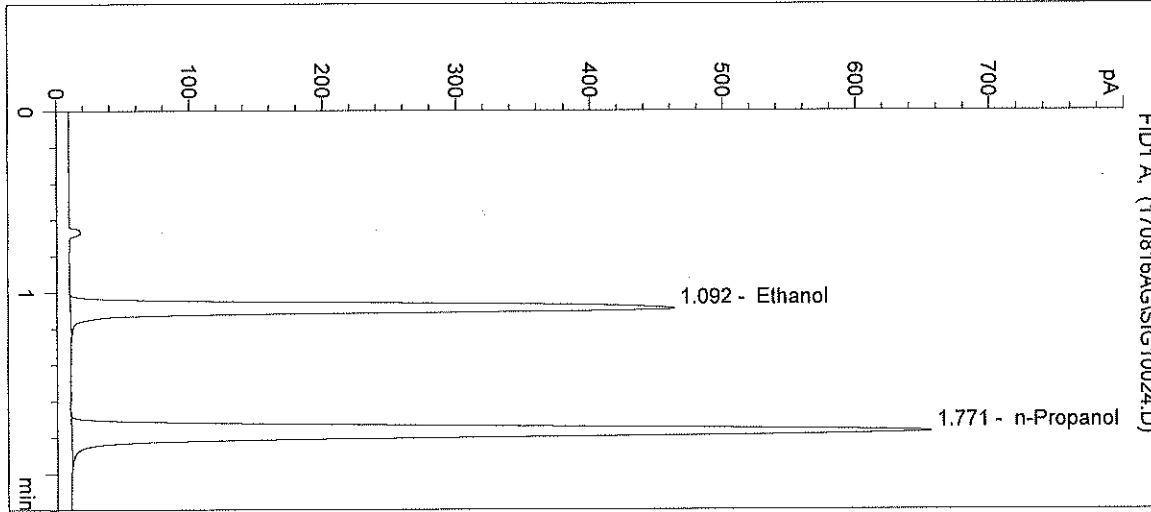
Operator: Andrew Gingras

Column: DB-ALC1

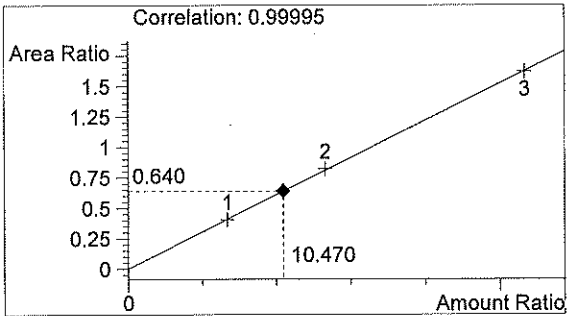
Location: Vial 24

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

Sample Info:

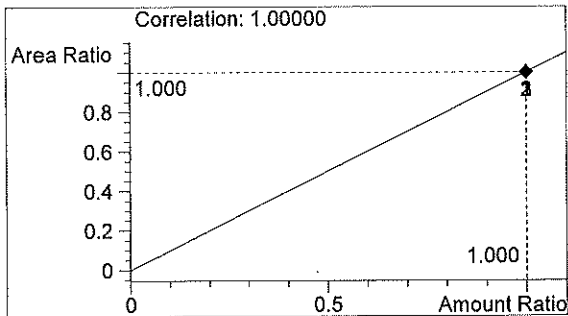


#	Compound	Peak Area	RT (min)
1	Ethanol	1636	1.092
2	n-Propanol	2555	1.771



Ethanol 0.126 g/100mL

*Handwritten initials*

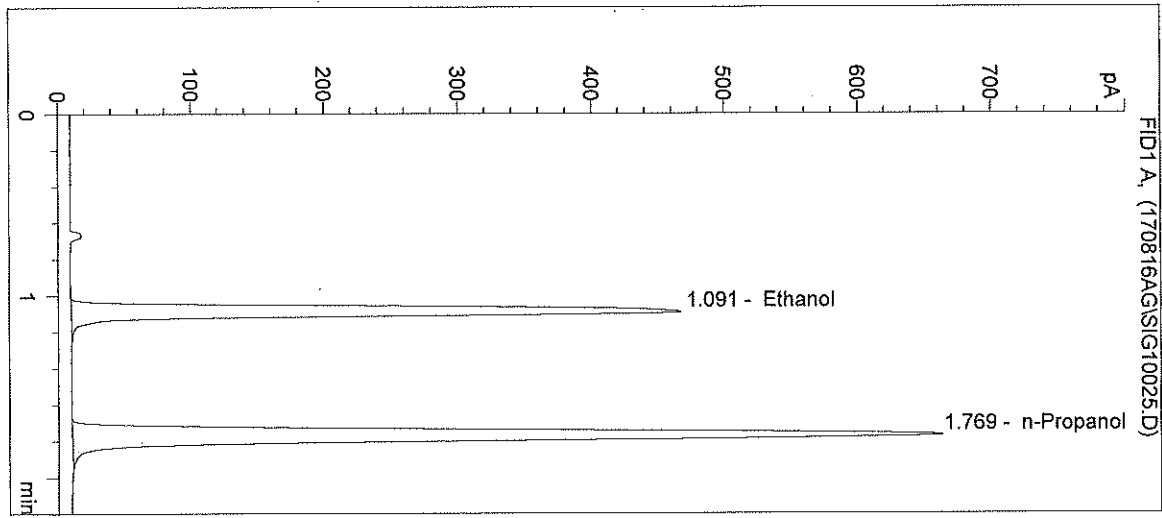


n-Propanol 0.012 g/100mL

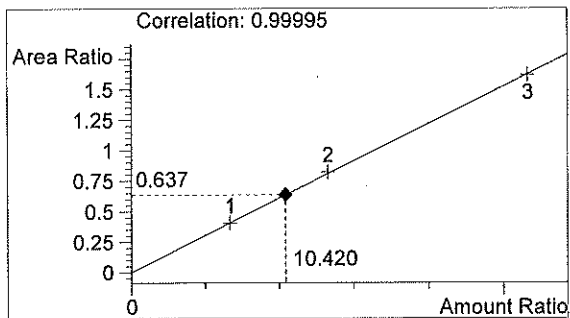
*Handwritten signature*

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

Inj. Date: 8/16/2017 8:56:17 AM      Sample Name: 17053-2  
 Instrument: HSGC#1      Operator: Andrew Gingras  
 Column: DB-ALC1      Location: Vial 25  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

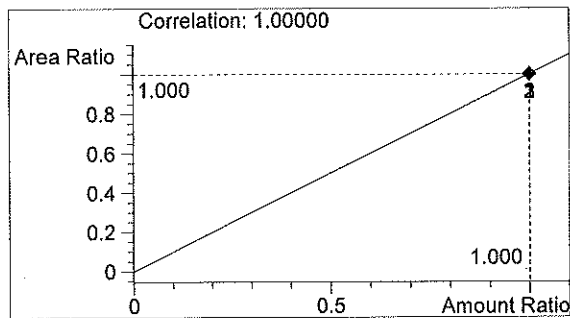


#	Compound	Peak Area	RT (min)
1	Ethanol	1639	1.091
2	n-Propanol	2573	1.769



Ethanol      0.125 g/100mL

*Box*

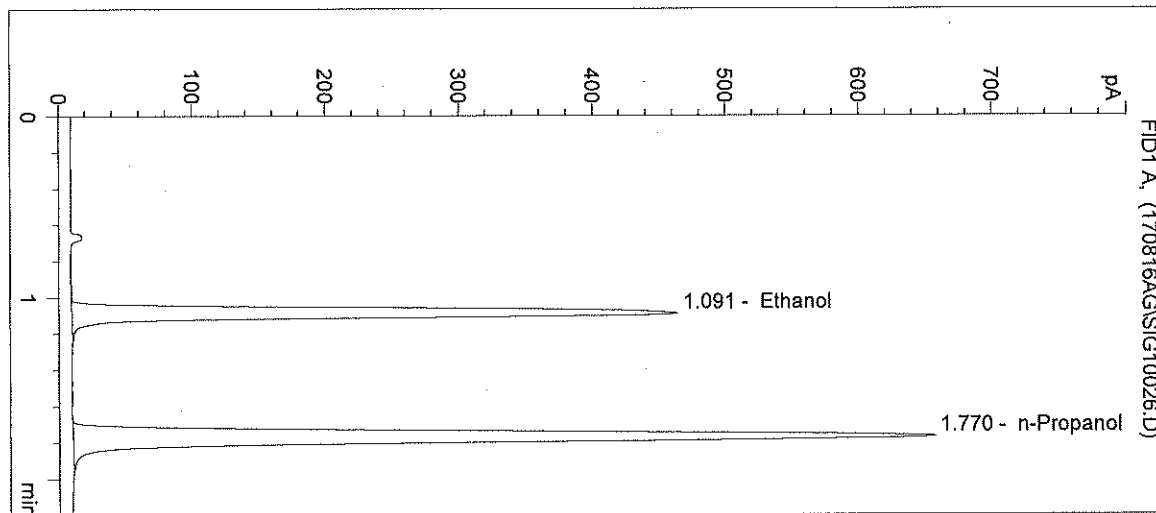


n-Propanol      0.012 g/100mL

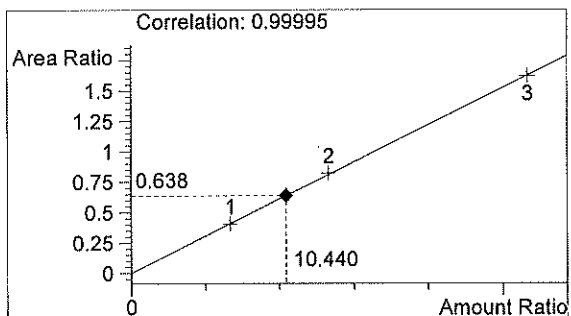
*[Handwritten signature]*

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

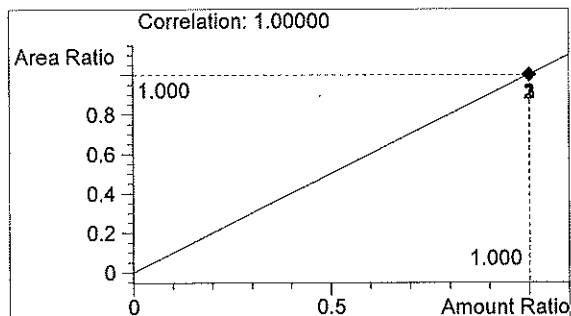
Inj. Date: 8/16/2017 8:59:31 AM      Sample Name: 17053-3  
 Instrument: HSGC#1      Operator: Andrew Gingras  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1631	1.091
2	n-Propanol	2554	1.770



Ethanol      0.125 g/100mL      *PK*



n-Propanol      0.012 g/100mL

*AG*

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

Inj. Date: 8/16/2017 9:02:44 AM

Sample Name: 17053-4

Instrument: HSGC#1

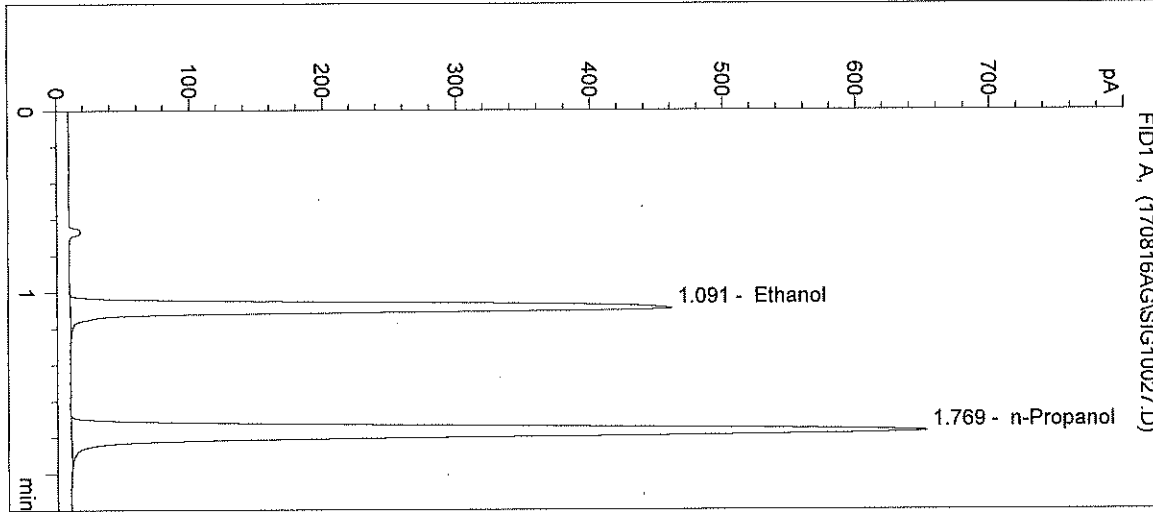
Operator: Andrew Gingras

Column: DB-ALC1

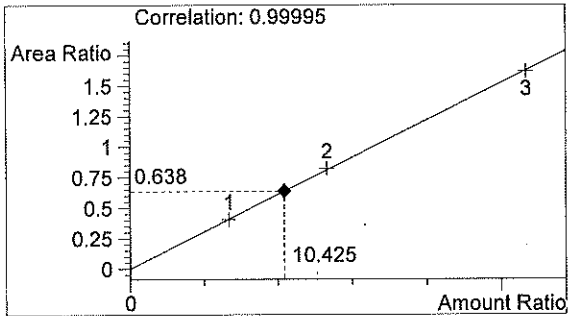
Location: Vial 27

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

Sample Info:

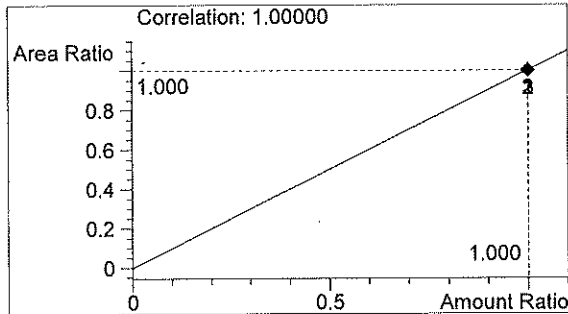


#	Compound	Peak Area	RT (min)
1	Ethanol	1617	1.091
2	n-Propanol	2537	1.769



Ethanol 0.125 g/100mL

*PK*



n-Propanol 0.012 g/100mL

*AB*

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

Inj. Date: 8/16/2017 9:05:57 AM

Sample Name: 17053-5

Instrument: HSGC#1

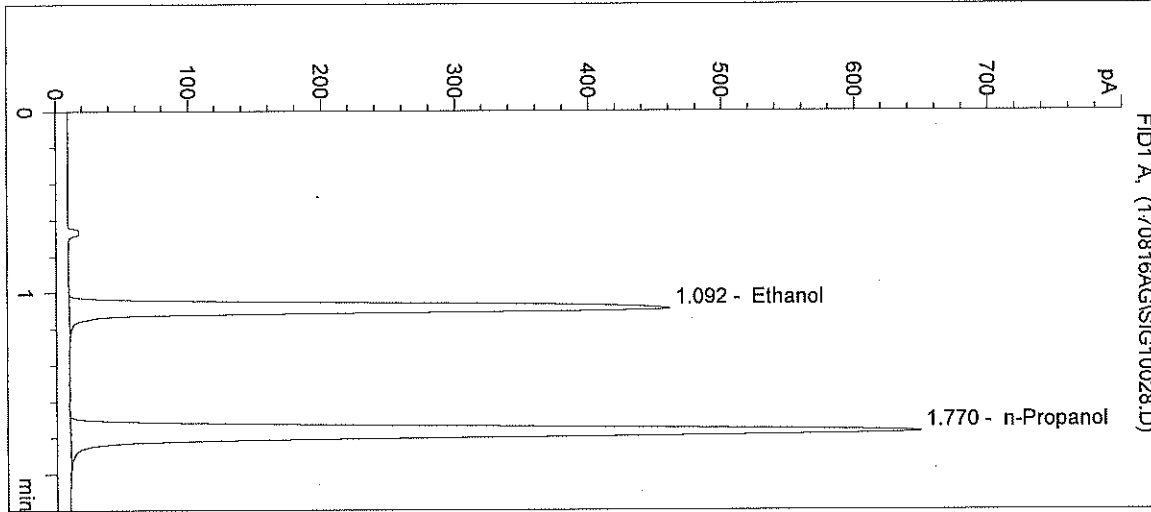
Operator: Andrew Gingras

Column: DB-ALC1

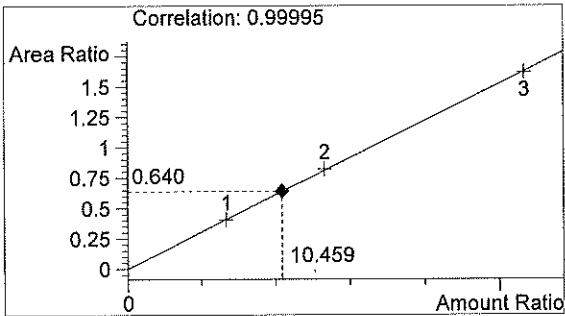
Location: Vial 28

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

Sample Info:

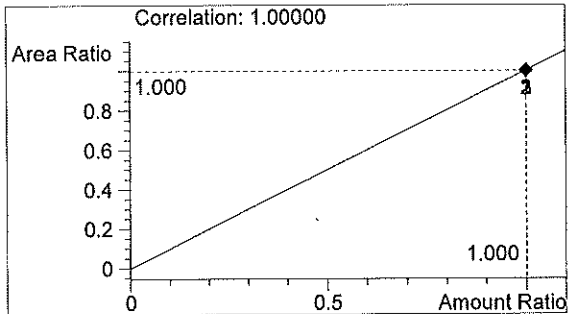


#	Compound	Peak Area	RT (min)
1	Ethanol	1616	1.092
2	n-Propanol	2527	1.770



Ethanol 0.126 g/100mL

*Handwritten mark*



n-Propanol 0.012 g/100mL

*Handwritten signature*



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

Inj. Date: 8/16/2017 9:09:11 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

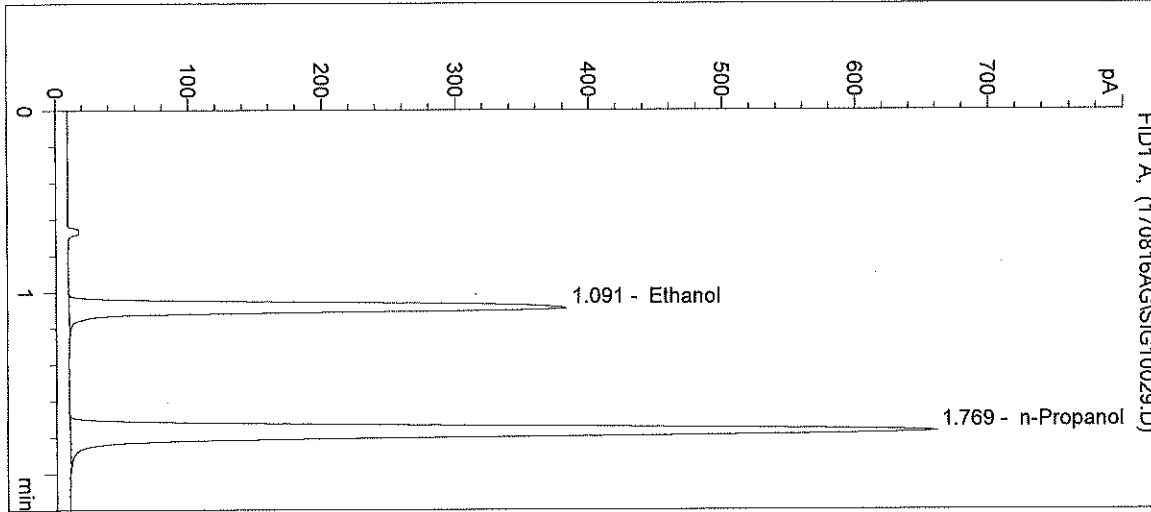
Operator: Andrew Gingras

Column: DB-ALC1

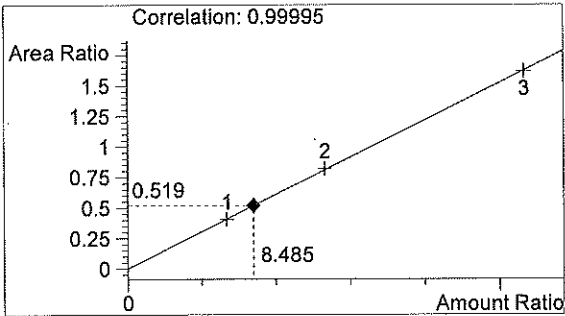
Location: Vial 29

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

Sample Info: POS CTRL: 0.10 g/100mL  
 17053

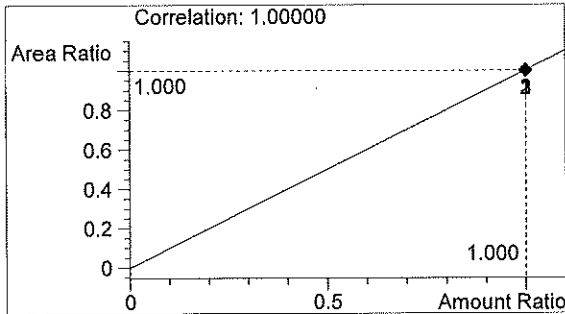


#	Compound	Peak Area	RT (min)
1	Ethanol	1332	1.091
2	n-Propanol	2565	1.769



Ethanol 0.102 g/100mL

*PK*



n-Propanol 0.012 g/100mL

*10*

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

Inj. Date: 8/16/2017 9:12:24 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

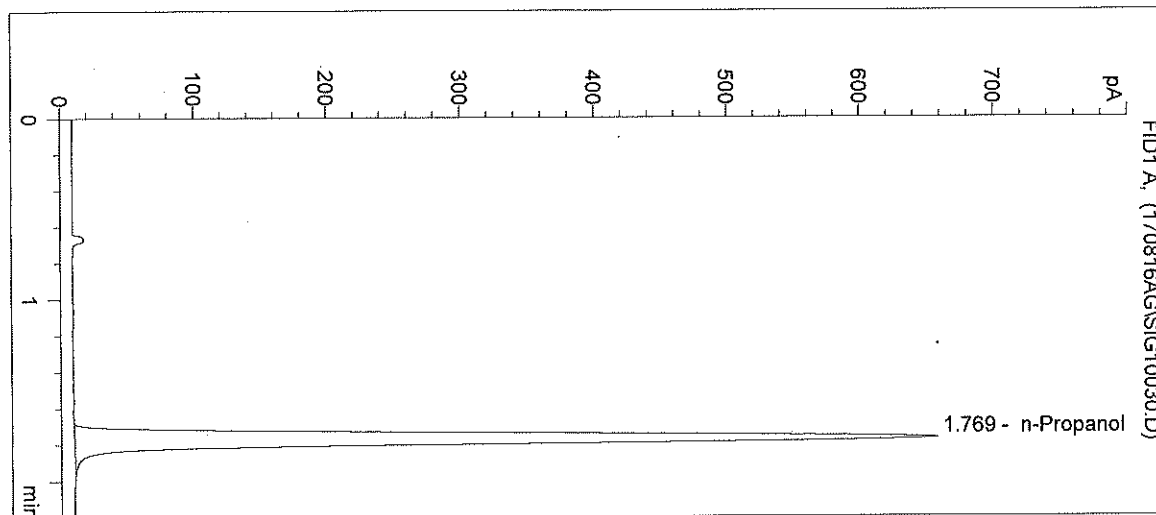
Operator: Andrew Gingras

Column: DB-ALC1

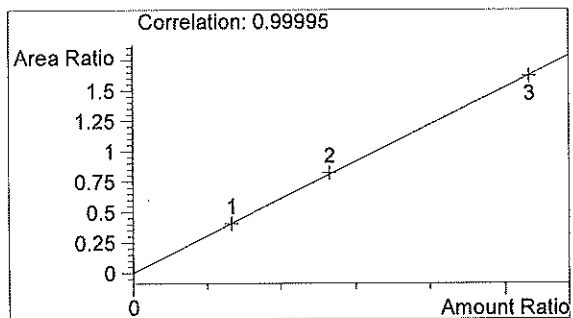
Location: Vial 30

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

Sample Info: 17053

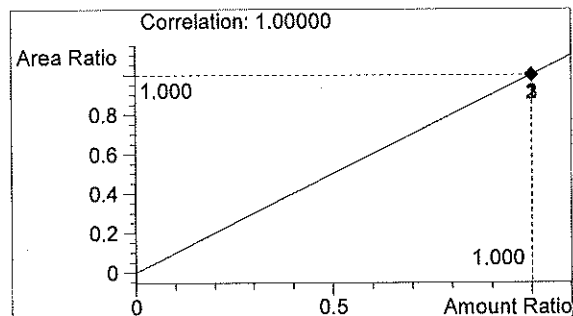


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2548	1.769



Ethanol 0.000 g/100mL

*mx*



n-Propanol 0.012 g/100mL

*AG*

Sequence Parameters:

Operator: Rebecca Flaherty  
 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: 170817RF  
 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: E0717-01 - X: 01/27/18  
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18  
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18

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: P0717 - X: 10/20/17

Calibration vials 1-9 filed with 17051

Diluter #1

17053

RF  
11/15/17

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	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	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	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

RF

RF

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	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	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	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	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	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!

*RF*  
~~17053~~

17053  
*RF*  
 11/5/17

*RF*

*RF*

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

Inj. Date: 8/17/2017 12:56:06 PM

Sample Name: 17053-1

Instrument: HSGC#1

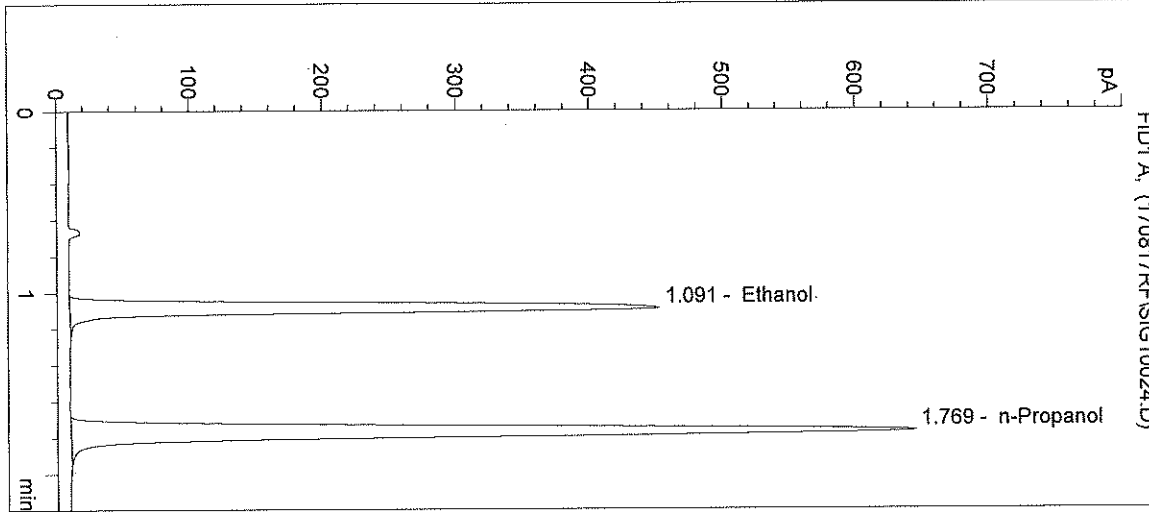
Operator: Rebecca Flaherty

Column: DB-ALC1

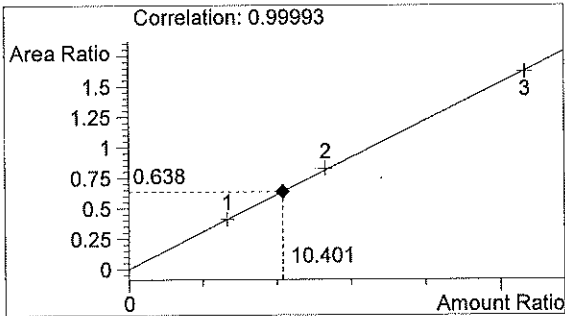
Location: Vial 24

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

Sample Info:

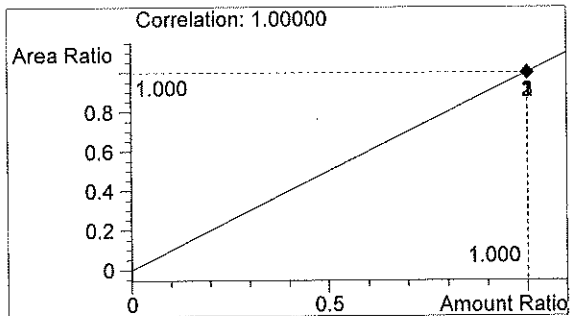


#	Compound	Peak Area	RT (min)
1	Ethanol	1592	1.091
2	n-Propanol	2497	1.769



Ethanol 0.125 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*

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

Inj. Date: 8/17/2017 12:59:19 PM

Sample Name: 17053-2

Instrument: HSGC#1

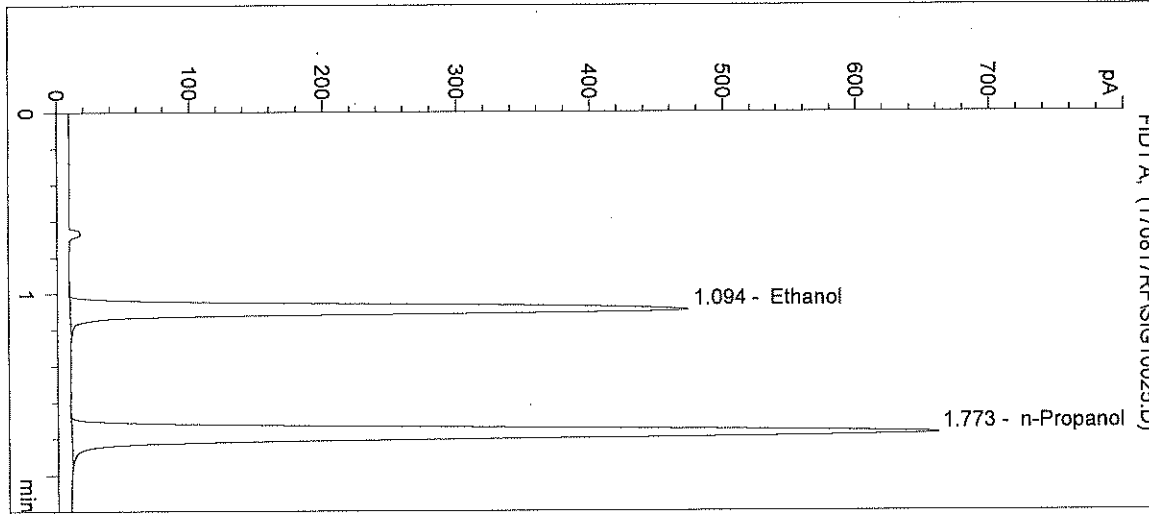
Operator: Rebecca Flaherty

Column: DB-ALC1

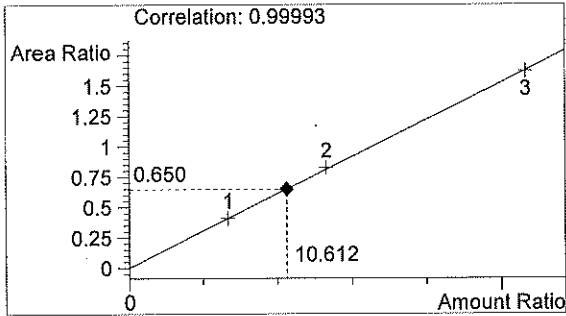
Location: Vial 25

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

Sample Info:

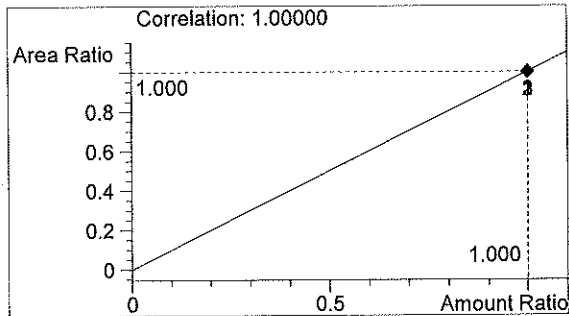


#	Compound	Peak Area	RT (min)
1	Ethanol	1691	1.094
2	n-Propanol	2600	1.773



Ethanol 0.127 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*

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

Inj. Date: 8/17/2017 1:02:33 PM

Sample Name: 17053-3

Instrument: HSGC#1

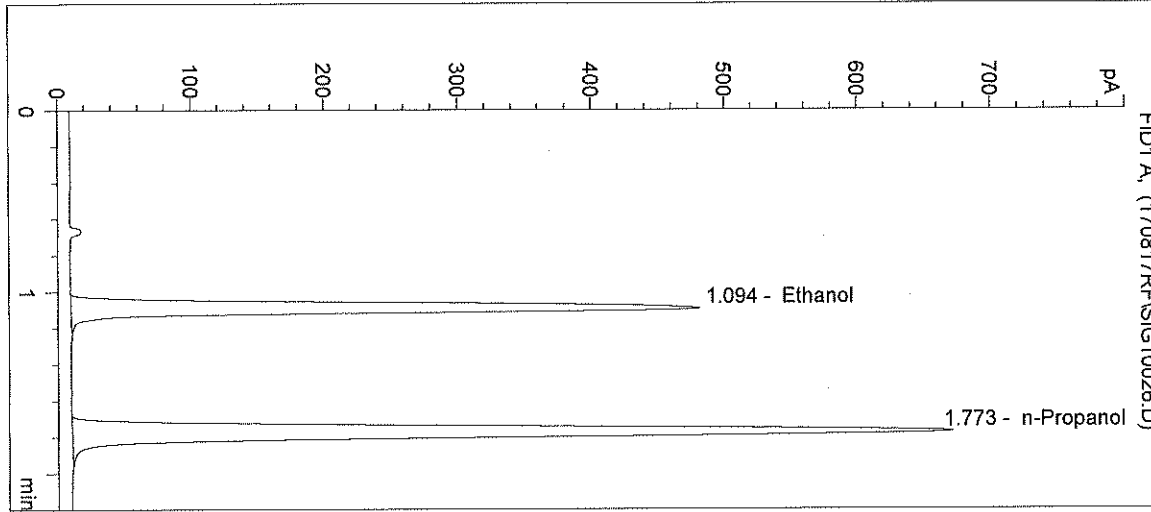
Operator: Rebecca Flaherty

Column: DB-ALC1

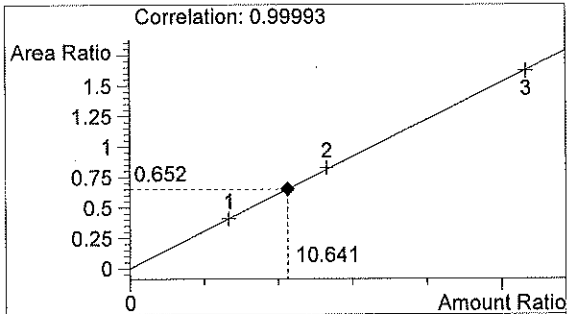
Location: Vial 26

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

Sample Info:

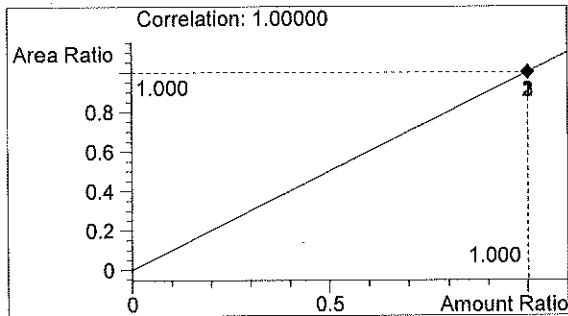


#	Compound	Peak Area	RT (min)
1	Ethanol	1729	1.094
2	n-Propanol	2651	1.773



Ethanol 0.128 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*

Inj. Date: 8/17/2017 1:05:46 PM

Sample Name: 17053-4

Instrument: HSGC#1

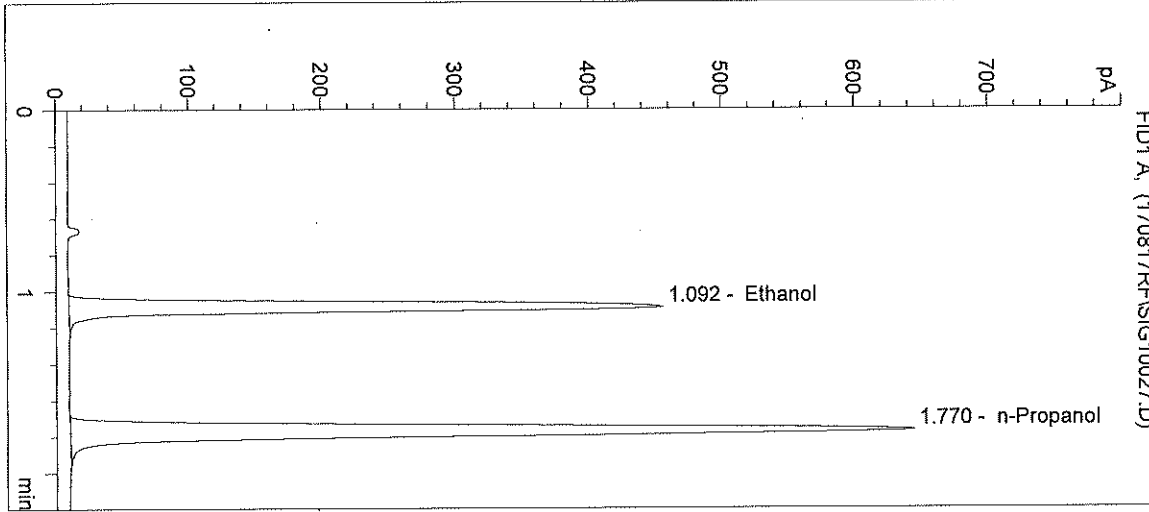
Operator: Rebecca Flaherty

Column: DB-ALC1

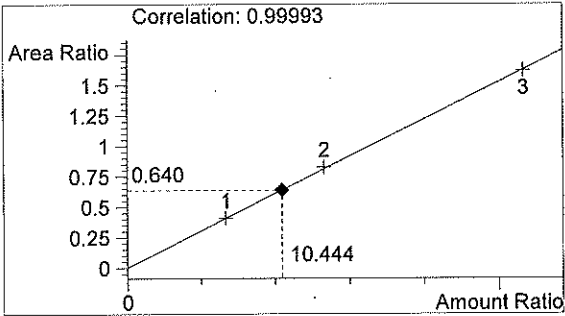
Location: Vial 27

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

Sample Info:

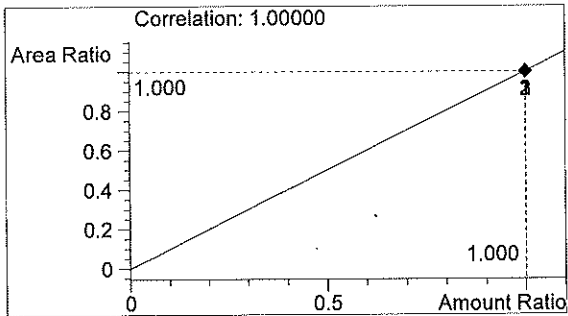


#	Compound	Peak Area	RT (min)
1	Ethanol	1605	1.092
2	n-Propanol	2507	1.770



Ethanol 0.125 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*



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

Inj. Date: 8/17/2017 1:09:00 PM

Sample Name: 17053-5

Instrument: HSGC#1

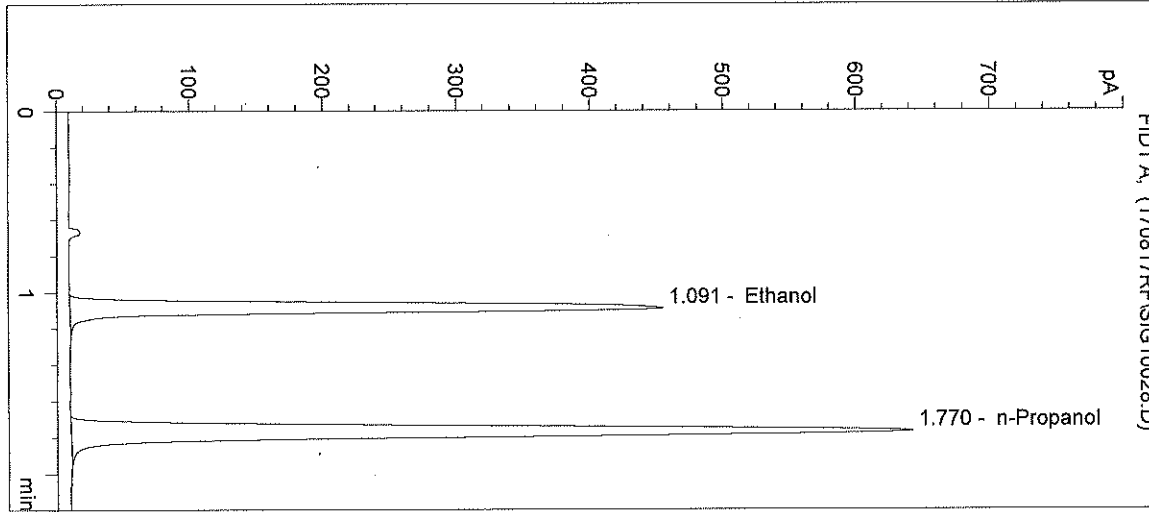
Operator: Rebecca Flaherty

Column: DB-ALC1

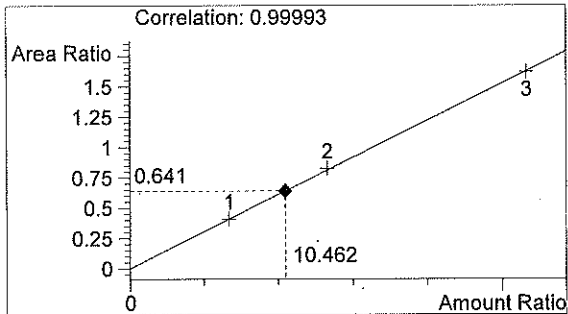
Location: Vial 28

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

Sample Info:

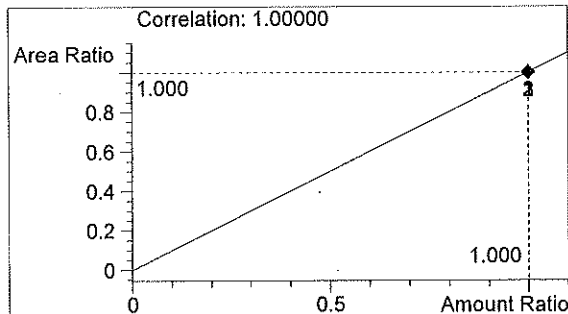


#	Compound	Peak Area	RT (min)
1	Ethanol	1601	1.091
2	n-Propanol	2496	1.770



Ethanol 0.126 g/100mL

*RF*

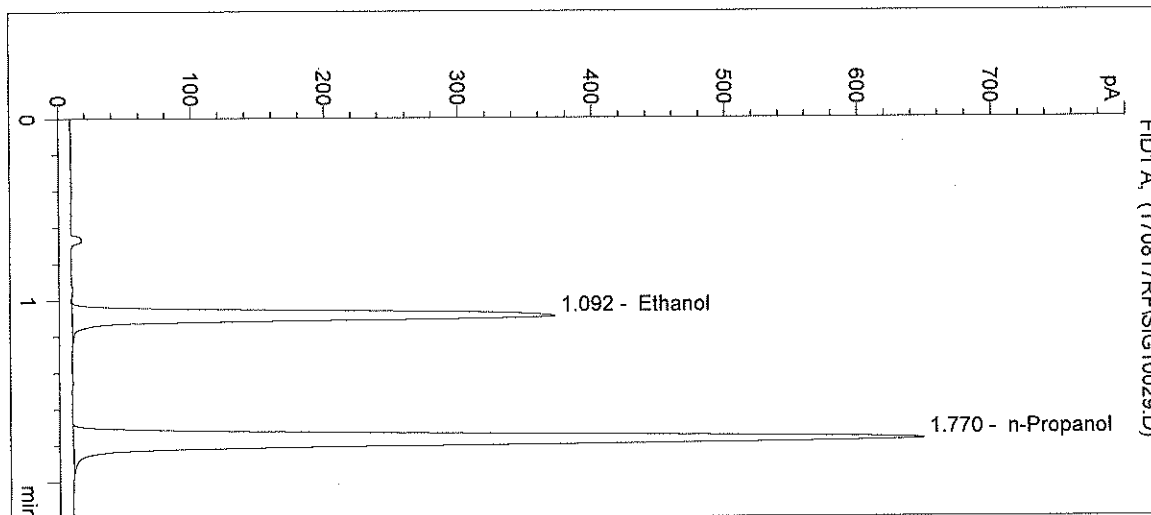


n-Propanol 0.012 g/100mL

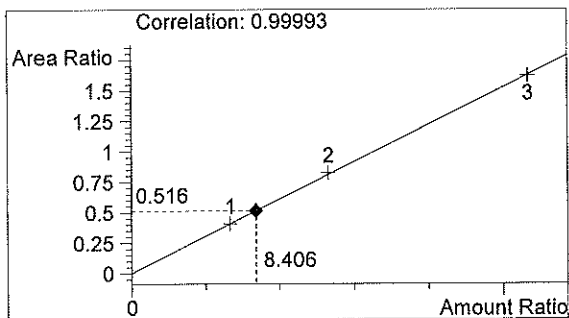
*RF*

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

Inj. Date: 8/17/2017 1:12:13 PM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 29  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 17053

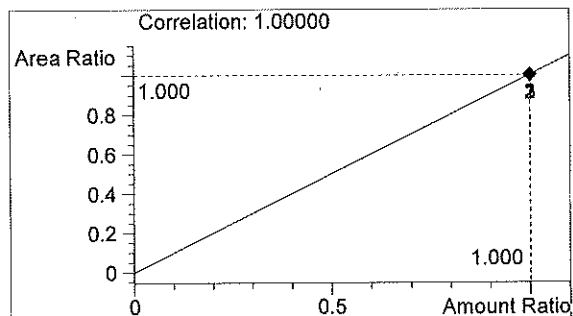


#	Compound	Peak Area	RT (min)
1	Ethanol	1305	1.092
2	n-Propanol	2529	1.770



Ethanol      0.101 g/100mL

*RF*

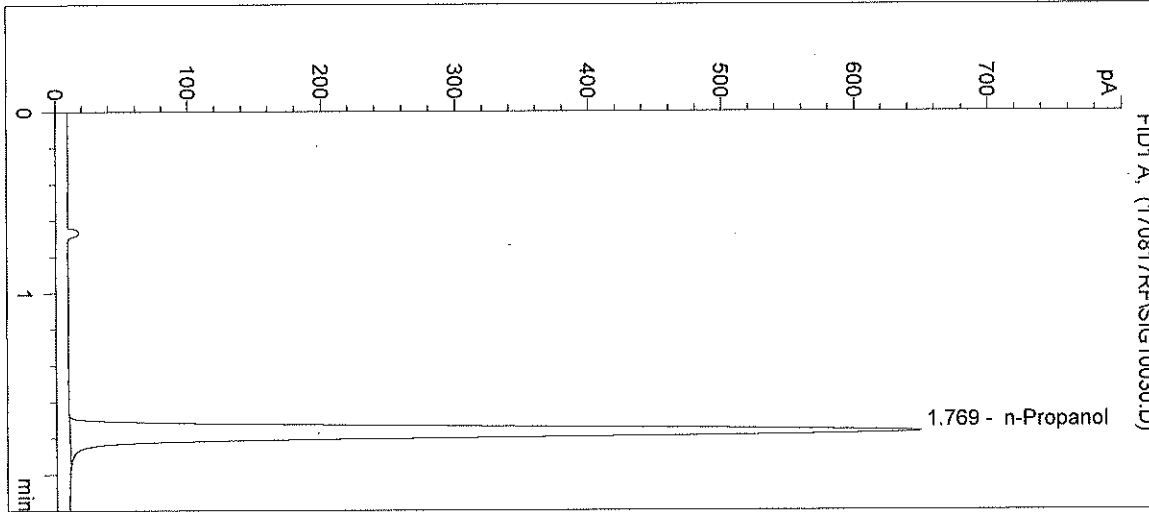


n-Propanol      0.012 g/100mL

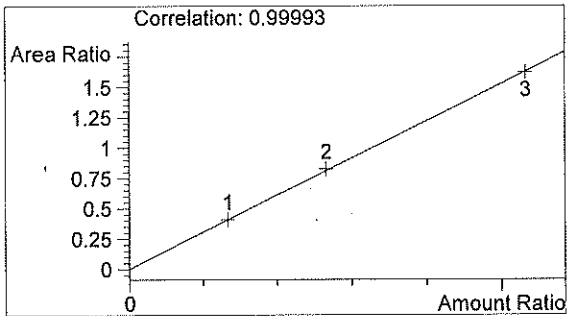
*RF*

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

Inj. Date: 8/17/2017 1:15:26 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Rebecca Flaherty  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 17053

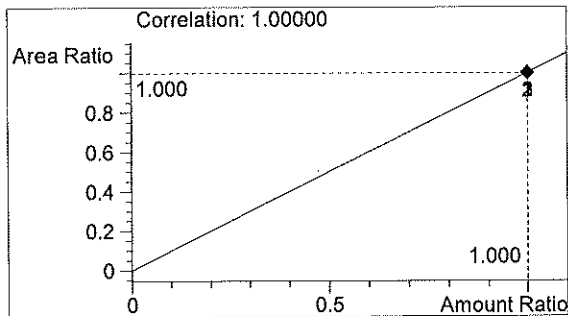


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2518	1.769



Ethanol      0.000 g/100mL

*RF*



n-Propanol      0.012 g/100mL

*RF*