



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17037

CUSTOMER INFORMATION

Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions;
Headspace-Gas Chromatography.

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.15 g/210L
DATE PREPARED: 04/12/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Justin L. Knoy

| | JLK | AG | CM |
|---|-------|-------|-------|
| 1 | 0.188 | 0.188 | 0.191 |
| 2 | 0.188 | 0.188 | 0.191 |
| 3 | 0.188 | 0.187 | 0.192 |
| 4 | 0.188 | 0.188 | 0.189 |
| 5 | 0.188 | 0.187 | 0.191 |
| C | 0.101 | 0.101 | 0.103 |

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1888 g/100mL PRECISION CV (%): 0.85
STANDARD DEVIATION: 0.00161 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1535 g/210L**
EXPANDED UNCERTAINTY: ± 0.0038 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas
Brittany Thomas Forensic Scientist Supervisor

4/12/17
DATE REPORT ISSUED

| ANALYST | NAME | THIS TESTING WAS PERFORMED BY: | | DATE TESTED |
|---------|-----------------------|--------------------------------|--|-------------|
| | | SIGNATURE | | |
| JLK | Justin L. Knoy | <i>Justin L. Knoy</i> | | 04/12/2017 |
| AG | Andrew Gingras | <i>Andrew Gingras</i> | | 04/13/2017 |
| CM | Christi Mitchell-Mata | <i>Christi Mitchell-Mata</i> | | 04/14/2017 |

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: 5-2-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17037

| | 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: 5-2-17

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

QAP Solution Batch #: 17037

Date Prepared: 4/12/2017

| Analyst: | JLK | AG | CM |
|--------------|-----------|-----------|-----------|
| Date Tested: | 4/12/2017 | 4/13/2017 | 4/14/2017 |
| Instrument: | HSGC #1 | HSGC #1 | HSGC #1 |
| 1 | 0.188 | 0.188 | 0.191 |
| 2 | 0.188 | 0.188 | 0.191 |
| 3 | 0.188 | 0.187 | 0.192 |
| 4 | 0.188 | 0.188 | 0.189 |
| 5 | 0.188 | 0.187 | 0.191 |
| C | 0.101 | 0.101 | 0.103 |

| CV^2_{COA} | $CV^2_{QAP\ Solution}$ | $CV^2_{Control}$ | $CV^2_{Part\ Coef}$ |
|--------------|------------------------|------------------|---------------------|
| 0.0000084100 | 0.0000048627 | 0.0000429992 | 0.0001016326 |

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

Average Solution Concentration: 0.1888 g/100mL
Standard Deviation: 0.00161 g/100mL
Precision CV (%): 0.85
Equivalent Vapor Concentration: 0.1535 g/210L
Combined Standard Uncertainty (\pm): 0.0019 g/210L
Expanded Uncertainty (\pm): 0.0038 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas Brittany Thomas 4/12/17
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 5-2-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brittany Thomas Brittany Thomas 4/12/17
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 | | |
| Andrew Gingras | <i>AG</i> | 4/20/2017 |
| Asa Louis | | |
| Brittany Thomas | | |
| Christie Mitchell-Mata | <i>CM</i> | 4/20/2017 |
| Christopher Johnston | | |
| David Nguyen | | |
| Dawn Sklerov | | |
| Elizabeth Wehner | | |
| Justin Knoy | <i>JK</i> | 4.20.17 |
| Katie Harris | | |
| Lyndsey Knoy | | |
| Naziha Nuwayhid | | |
| Rebecca Flaherty | | |

Batch # 17037 *BT 4/20/17*

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17037**

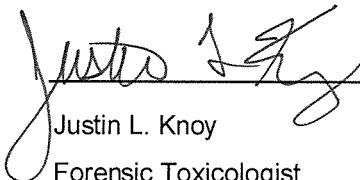
I, Justin L. Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology, MS degree in Forensic Science, and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17037, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. 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 4/12/2018.

Seattle, WA

 4.20.17
Justin L. Knoy Date
Forensic Toxicologist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17037**

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 17037, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. 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 4/12/2018.

Seattle, WA

 4/20/2017

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17037**

I, Christie Mitchell-Mata, 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: BA degree in Chemistry, MFS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17037, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. 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 4/12/2018.

Seattle, WA

 4/20/2017

Christie Mitchell-Mata

Date

Forensic Toxicologist



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

Preparation Date: 4-12-17 Expiration Date: 4-12-18 Initials of Preparer: JK

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 4-12-17

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>17034</u> |
| QAP 0.08 | 22.4 | 18 | <input checked="" type="checkbox"/> | <u>17035</u> |
| QAP 0.10 | 28.1 | 18 | <input checked="" type="checkbox"/> | <u>17036</u> |
| QAP 0.15 | 42.1 | 18 | <input checked="" type="checkbox"/> | <u>17037</u> |
| QAP 0.20 ^{0.08} | 56.1 ^{22.4 mL} | 18 | <input checked="" type="checkbox"/> | <u>17038</u> |
| ESS | 66.5 | 52 | <input type="checkbox"/> | <u>N/A</u> |

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed Date 4-12-17

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:

Justin S. King
 Analyst Signature

4-12-17
 Date

= 17037

JK
 4/20/17

Sequence Parameters:

Operator: Justin Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170412JK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
 Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
 Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
 CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
 Internal Standard Lot#P0317 - Exp. 06/13/2017

Calibration vials 1-9 filed with 17034.

Diluter #1

4.20.17

BT reviewed
4/20/17

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|-------------|---------|-----|------------|-----------|----------|
| 1 | Vial 1 | BLANK | SIMALC1 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC1 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC1 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC1 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 17034-1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 17034-2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 17034-3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 17034-4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 17034-5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 17 | Vial 17 | 17035-1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | 17035-2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | 17035-3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | 17035-4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | 17035-5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 24 | Vial 24 | 17036-1 | SIMALC1 | 1 | Sample | | |
| 25 | Vial 25 | 17036-2 | SIMALC1 | 1 | Sample | | |
| 26 | Vial 26 | 17036-3 | SIMALC1 | 1 | Sample | | |

17037
BT
4/20/17

JK JR

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|------------|---------|-----|------------|-----------|----------|
| 27 | Vial 27 | 17036-4 | SIMALC1 | 1 | Sample | | |
| 28 | Vial 28 | 17036-5 | SIMALC1 | 1 | Sample | | |
| 29 | Vial 29 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 30 | Vial 30 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 31 | Vial 31 | 17037-1 | SIMALC1 | 1 | Sample | | |
| 32 | Vial 32 | 17037-2 | SIMALC1 | 1 | Sample | | |
| 33 | Vial 33 | 17037-3 | SIMALC1 | 1 | Sample | | |
| 34 | Vial 34 | 17037-4 | SIMALC1 | 1 | Sample | | |
| 35 | Vial 35 | 17037-5 | SIMALC1 | 1 | Sample | | |
| 36 | Vial 36 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 37 | Vial 37 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 38 | Vial 38 | 17038-1 | SIMALC1 | 1 | Sample | | |
| 39 | Vial 39 | 17038-2 | SIMALC1 | 1 | Sample | | |
| 40 | Vial 40 | 17038-3 | SIMALC1 | 1 | Sample | | |
| 41 | Vial 41 | 17038-4 | SIMALC1 | 1 | Sample | | |
| 42 | Vial 42 | 17038-5 | SIMALC1 | 1 | Sample | | |
| 43 | Vial 43 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 44 | Vial 44 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17037
BT
4/12/17

JK JK

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

Inj. Date: 4/12/2017 12:41:53 PM

Sample Name: 17037-1

Instrument: HSGC#1

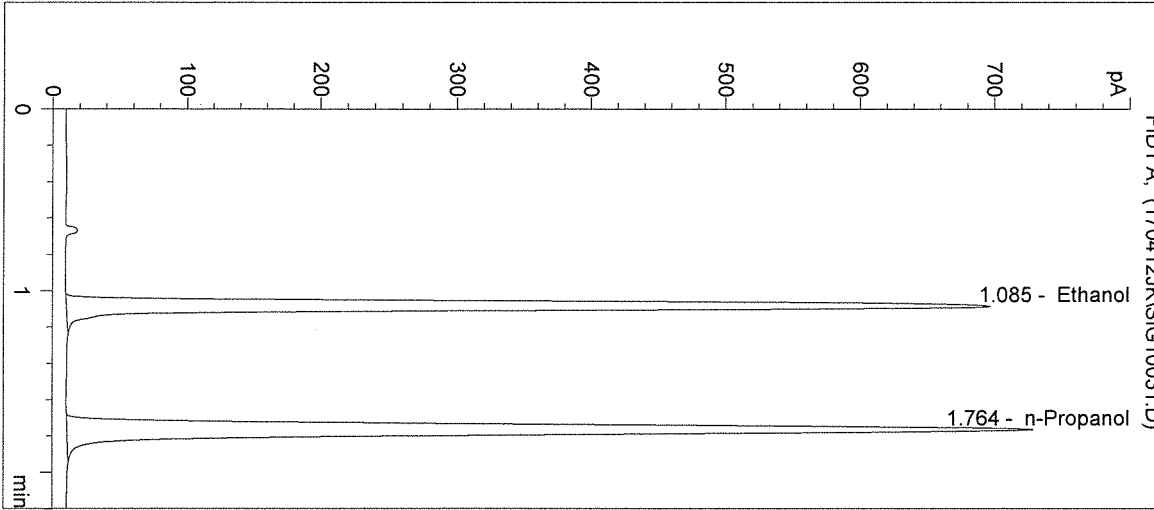
Operator: Justin Knoy

Column: DB-ALC1

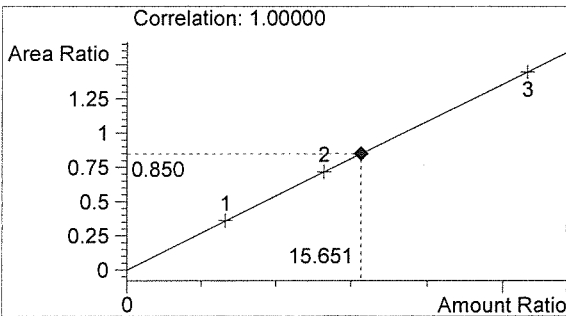
Location: Vial 31

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

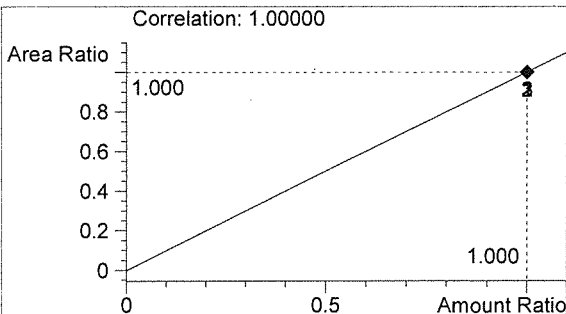
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2272 | 1.085 |
| 2 | n-Propanol | 2673 | 1.764 |



Ethanol 0.188 g/100mL *JK*



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 4/12/2017 12:45:06 PM

Sample Name: 17037-2

Instrument: HSGC#1

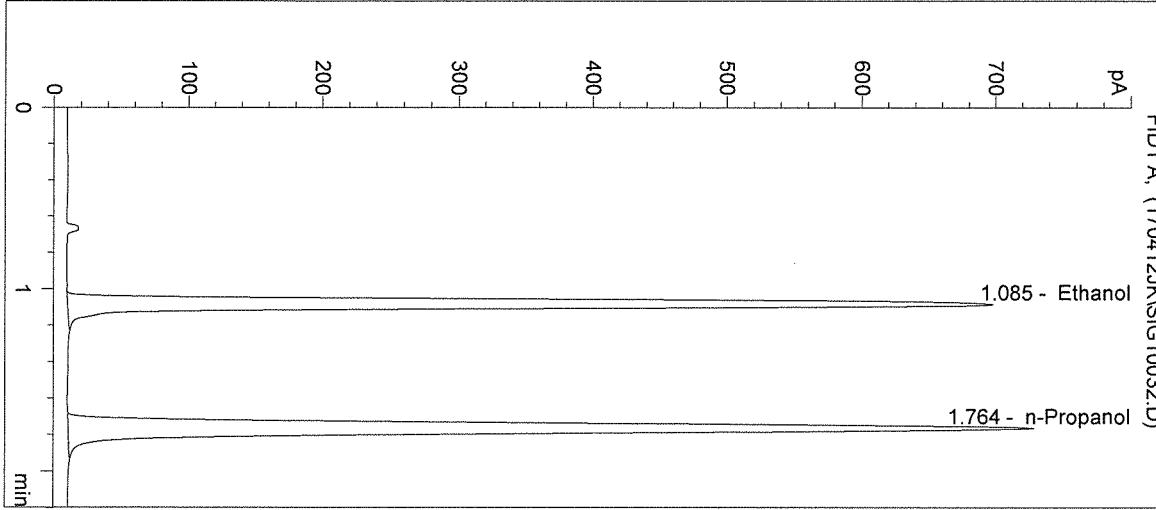
Operator: Justin Knoy

Column: DB-ALC1

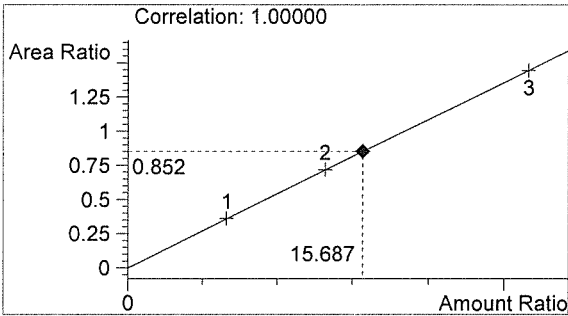
Location: Vial 32

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

Sample Info:

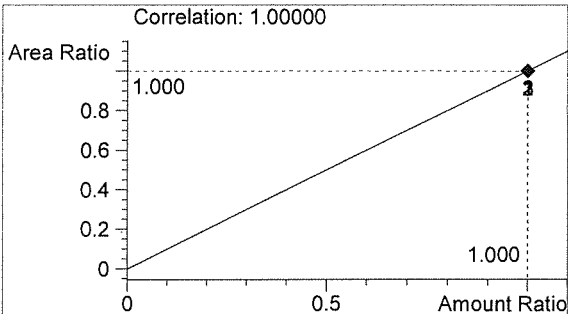


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2275 | 1.085 |
| 2 | n-Propanol | 2670 | 1.764 |



Ethanol 0.188 g/100mL

MA



n-Propanol 0.012 g/100mL

J

Inj. Date: 4/12/2017 12:48:20 PM

Sample Name: 17037-3

Instrument: HSGC#1

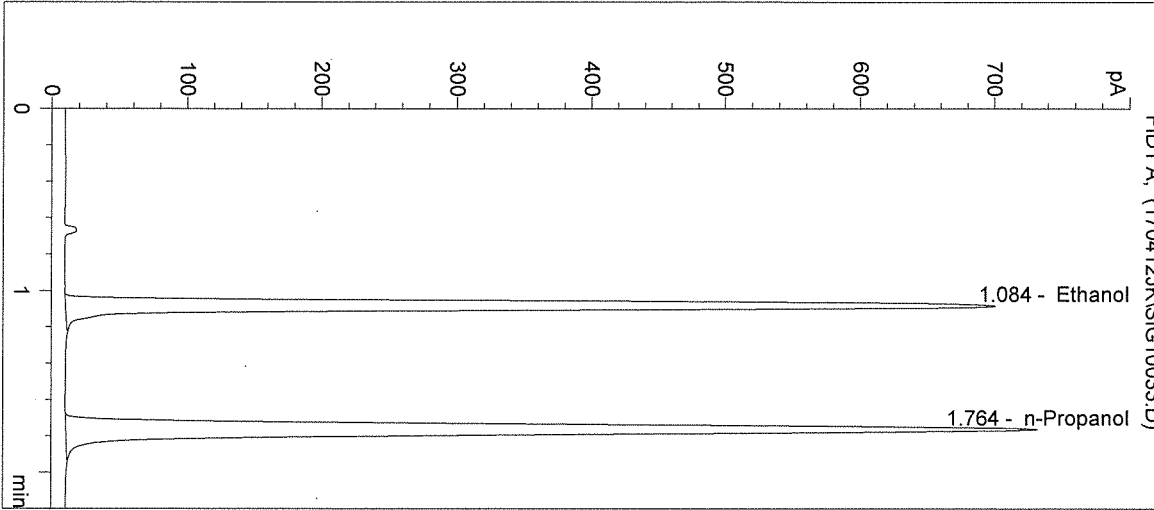
Operator: Justin Knoy

Column: DB-ALC1

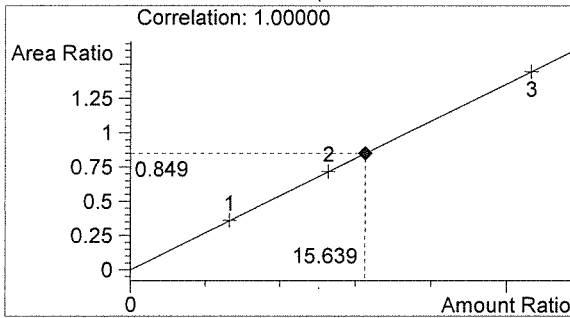
Location: Vial 33

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

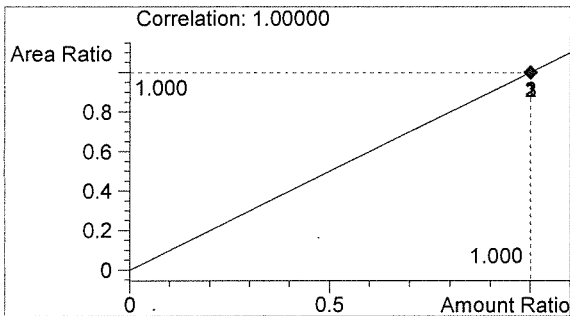
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2279 | 1.084 |
| 2 | n-Propanol | 2683 | 1.764 |



Ethanol 0.188 g/100mL *JK*



n-Propanol 0.012 g/100mL

JK

Inj. Date: 4/12/2017 12:51:33 PM

Sample Name: 17037-4

Instrument: HSGC#1

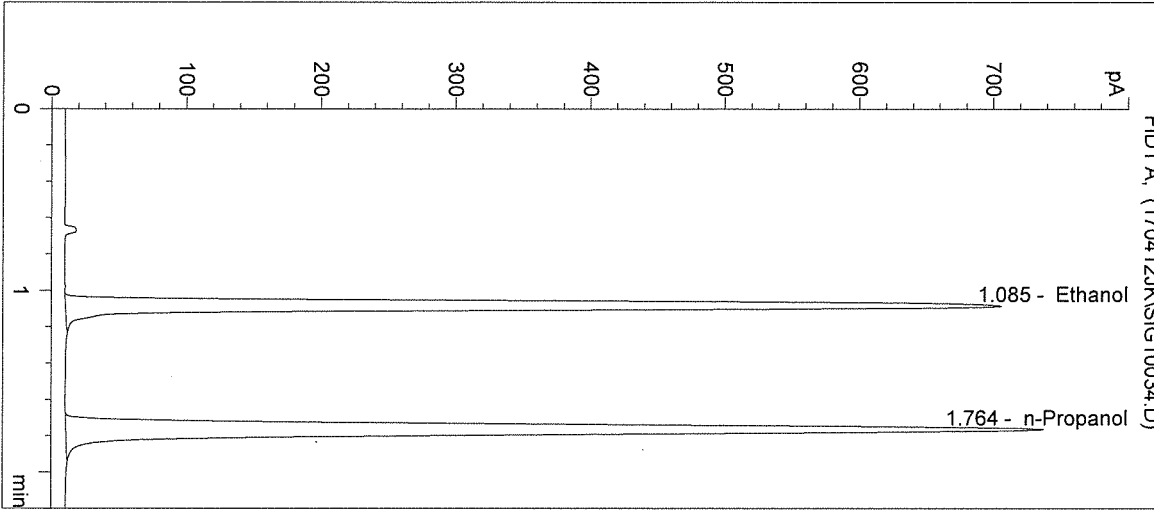
Operator: Justin Knoy

Column: DB-ALC1

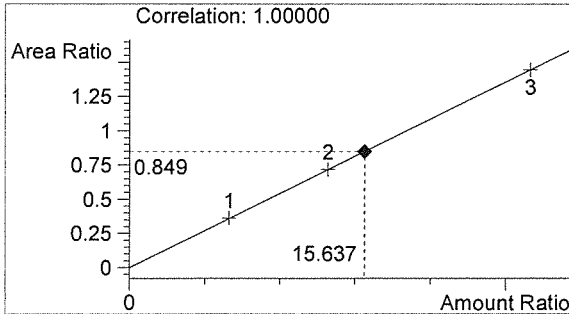
Location: Vial 34

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

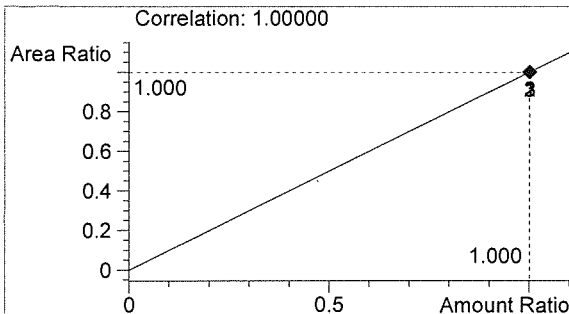
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2302 | 1.085 |
| 2 | n-Propanol | 2710 | 1.764 |



Ethanol 0.188 g/100mL *JK*



n-Propanol 0.012 g/100mL

JK

Inj. Date: 4/12/2017 12:54:46 PM

Sample Name: 17037-5

Instrument: HSGC#1

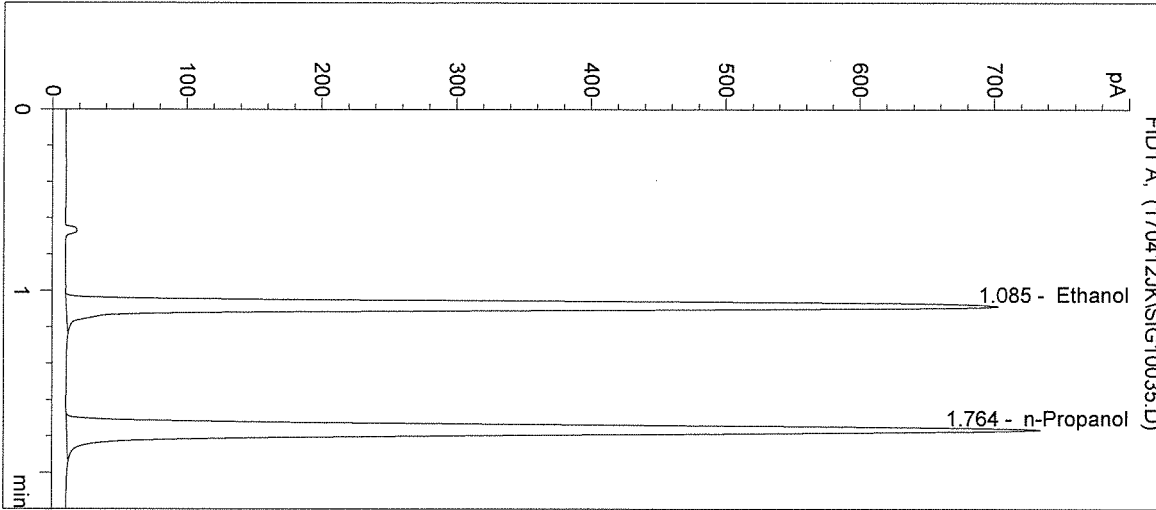
Operator: Justin Knoy

Column: DB-ALC1

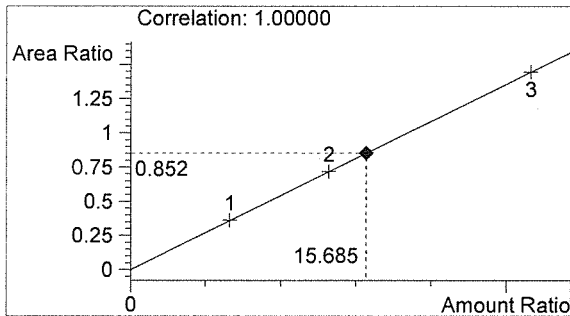
Location: Vial 35

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

Sample Info:

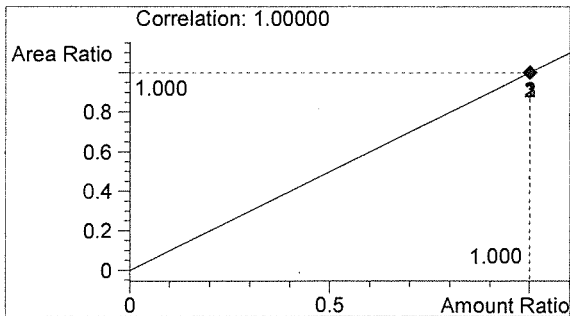


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2295 | 1.085 |
| 2 | n-Propanol | 2694 | 1.764 |



Ethanol 0.188 g/100mL

JK



n-Propanol 0.012 g/100mL

JK

Inj. Date: 4/12/2017 12:57:59 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

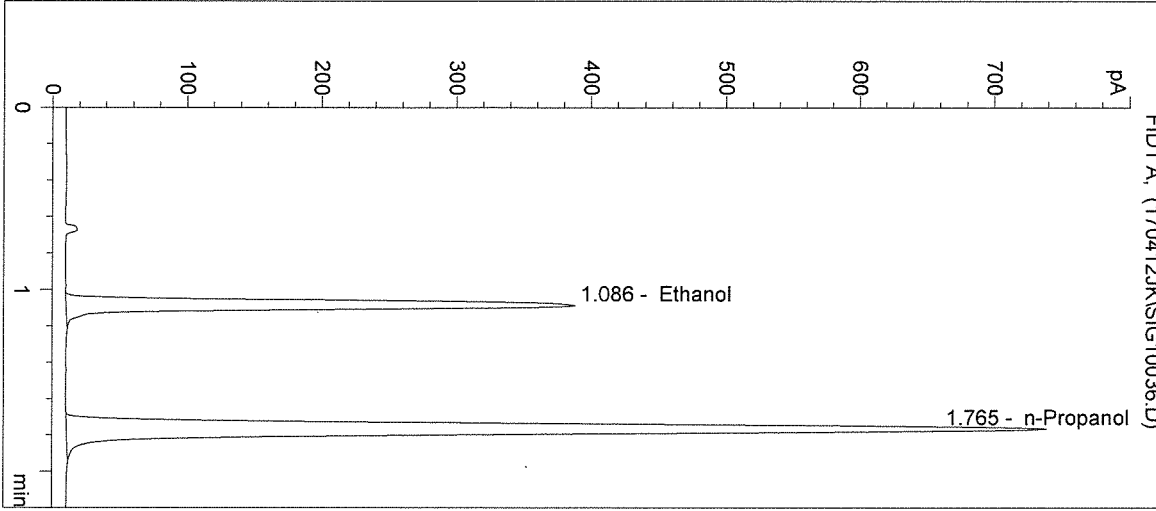
Operator: Justin Knoy

Column: DB-ALC1

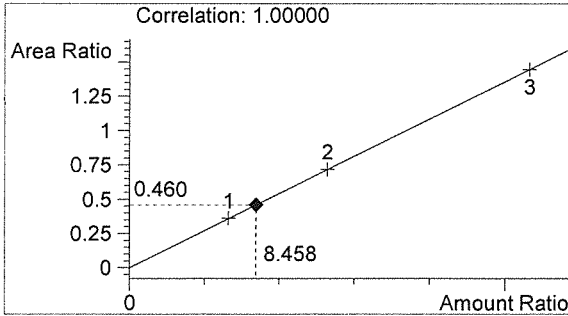
Location: Vial 36

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

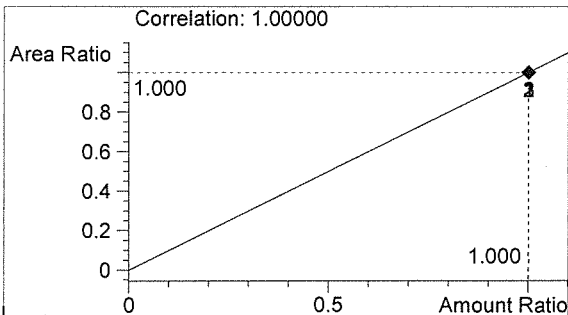
Sample Info: 17037



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1252 | 1.086 |
| 2 | n-Propanol | 2721 | 1.765 |



Ethanol 0.101 g/100mL *WPK*



n-Propanol 0.012 g/100mL

JK

Inj. Date: 4/12/2017 1:01:13 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

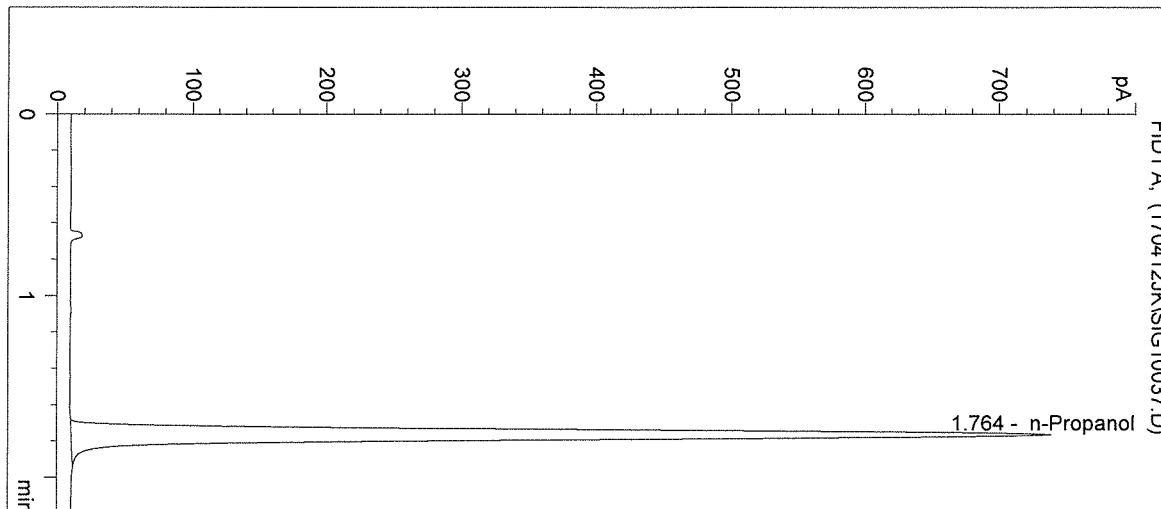
Operator: Justin Knoy

Column: DB-ALC1

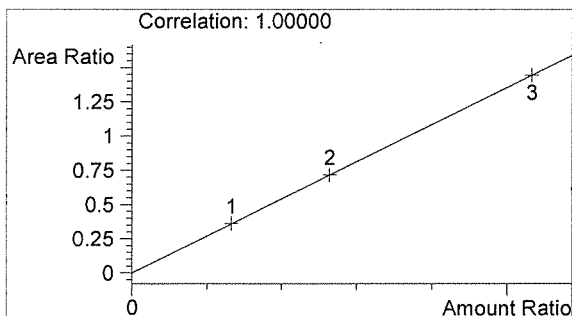
Location: Vial 37

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

Sample Info: 17037

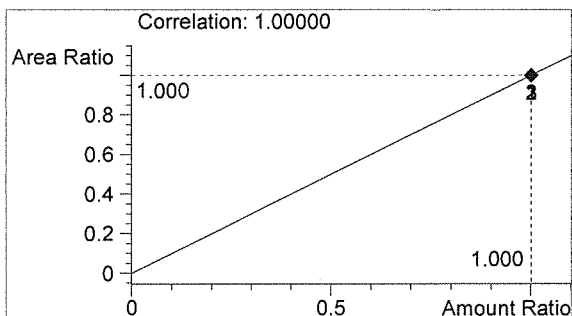


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2705 | 1.764 |



Ethanol 0.000 g/100mL

JK



n-Propanol 0.012 g/100mL

JK

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: 170413AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0217-01 - EXP 8/21/2017
 CAL 2 (0.158g/100mL) - LOT# E0217-02 - EXP 8/21/2017
 CAL 3 (0.316g/100mL) - LOT# E0217-03 - EXP 8/21/2017

n-Propanol ISTD - LOT# P0117 - 4/20/2017
 CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 17034
 Dilutor #3

AG
4/13/17

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|---------|-----|------------|-----------|----------|
| 1 | Vial 1 | BLANK | SIMALC1 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC1 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC1 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC1 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | QAP 17034 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | QAP 17034 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | QAP 17034 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | QAP 17034 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | QAP 17034 #5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 17 | Vial 17 | QAP 17035 #1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | QAP 17035 #2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | QAP 17035 #3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | QAP 17035 #4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | QAP 17035 #5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 24 | Vial 24 | QAP 17036 #1 | SIMALC1 | 1 | Sample | | |

17037
 Bot
 4/13/17

AG

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|---------|-----|------------|-----------|----------|
| 25 | Vial 25 | QAP 17036 #2 | SIMALC1 | 1 | Sample | | |
| 26 | Vial 26 | QAP 17036 #3 | SIMALC1 | 1 | Sample | | |
| 27 | Vial 27 | QAP 17036 #4 | SIMALC1 | 1 | Sample | | |
| 28 | Vial 28 | QAP 17036 #5 | SIMALC1 | 1 | Sample | | |
| 29 | Vial 29 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 30 | Vial 30 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 31 | Vial 31 | QAP 17037 #1 | SIMALC1 | 1 | Sample | | |
| 32 | Vial 32 | QAP 17037 #2 | SIMALC1 | 1 | Sample | | |
| 33 | Vial 33 | QAP 17037 #3 | SIMALC1 | 1 | Sample | | |
| 34 | Vial 34 | QAP 17037 #4 | SIMALC1 | 1 | Sample | | |
| 35 | Vial 35 | QAP 17037 #5 | SIMALC1 | 1 | Sample | | |
| 36 | Vial 36 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 37 | Vial 37 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 38 | Vial 38 | QAP 17038 #1 | SIMALC1 | 1 | Sample | | |
| 39 | Vial 39 | QAP 17038 #2 | SIMALC1 | 1 | Sample | | |
| 40 | Vial 40 | QAP 17038 #3 | SIMALC1 | 1 | Sample | | |
| 41 | Vial 41 | QAP 17038 #4 | SIMALC1 | 1 | Sample | | |
| 42 | Vial 42 | QAP 17038 #5 | SIMALC1 | 1 | Sample | | |
| 43 | Vial 43 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 44 | Vial 44 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

BT
4/19/17
17037
~~17037~~
BT 4/19/17

AG

Inj. Date: 4/13/2017 4:09:38 PM

Sample Name: QAP 17037 #1

Instrument: HSGC#1

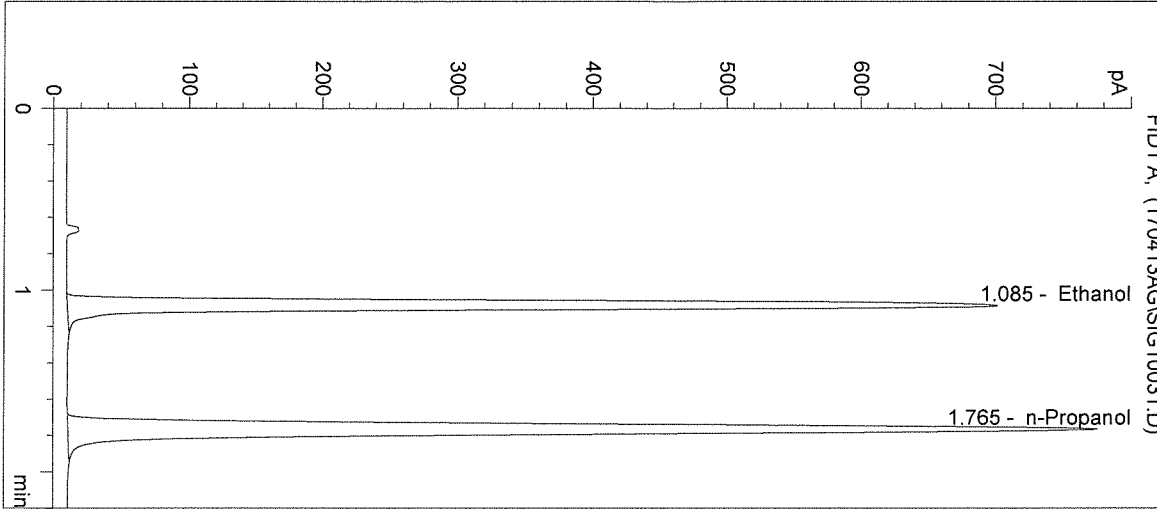
Operator: Andrew Gingras

Column: DB-ALC1

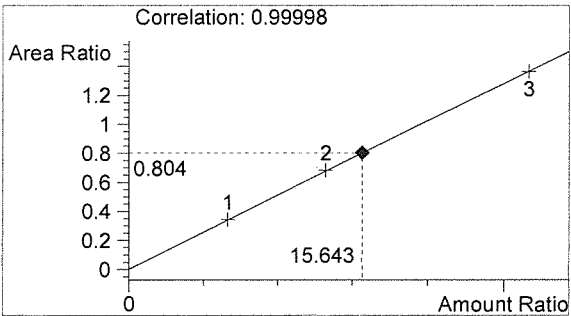
Location: Vial 31

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

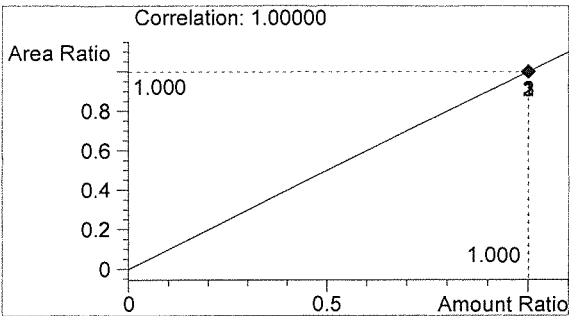
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2294 | 1.085 |
| 2 | n-Propanol | 2855 | 1.765 |



Ethanol 0.188 g/100mL *BA*



n-Propanol 0.012 g/100mL

BA

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

Inj. Date: 4/13/2017 4:12:51 PM

Sample Name: QAP 17037 #2

Instrument: HSGC#1

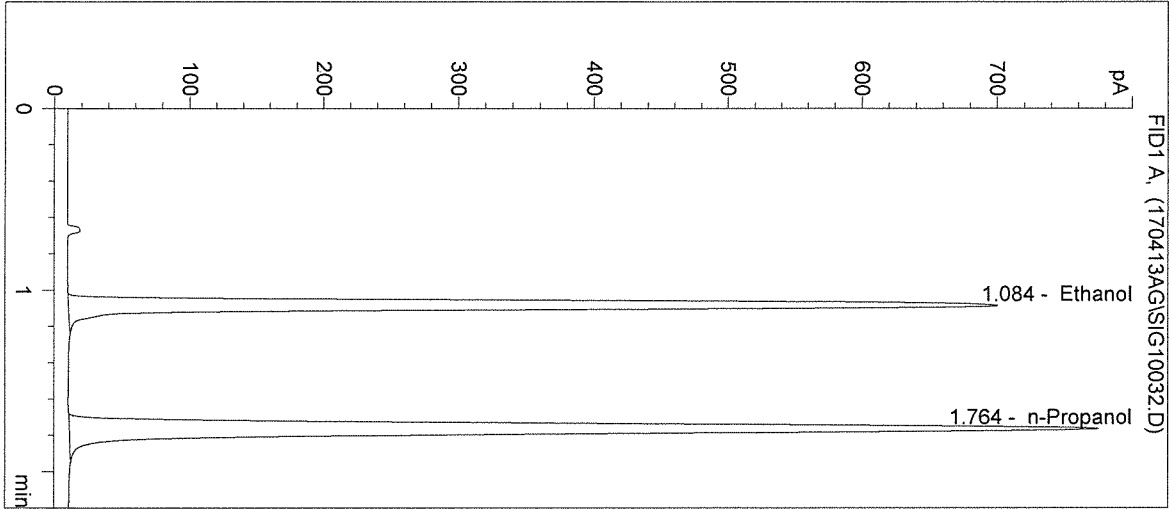
Operator: Andrew Gingras

Column: DB-ALC1

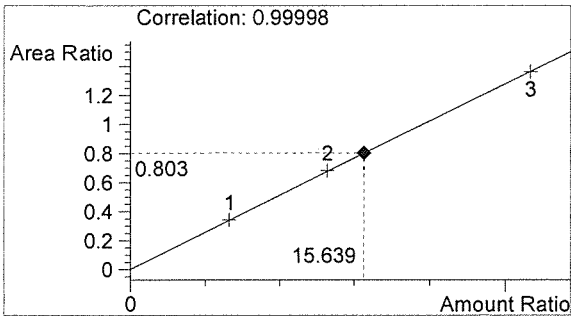
Location: Vial 32

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

Sample Info:

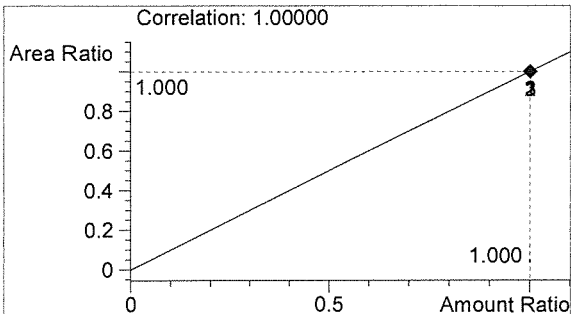


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2283 | 1.084 |
| 2 | n-Propanol | 2841 | 1.764 |



Ethanol 0.188 g/100mL

Handwritten initials

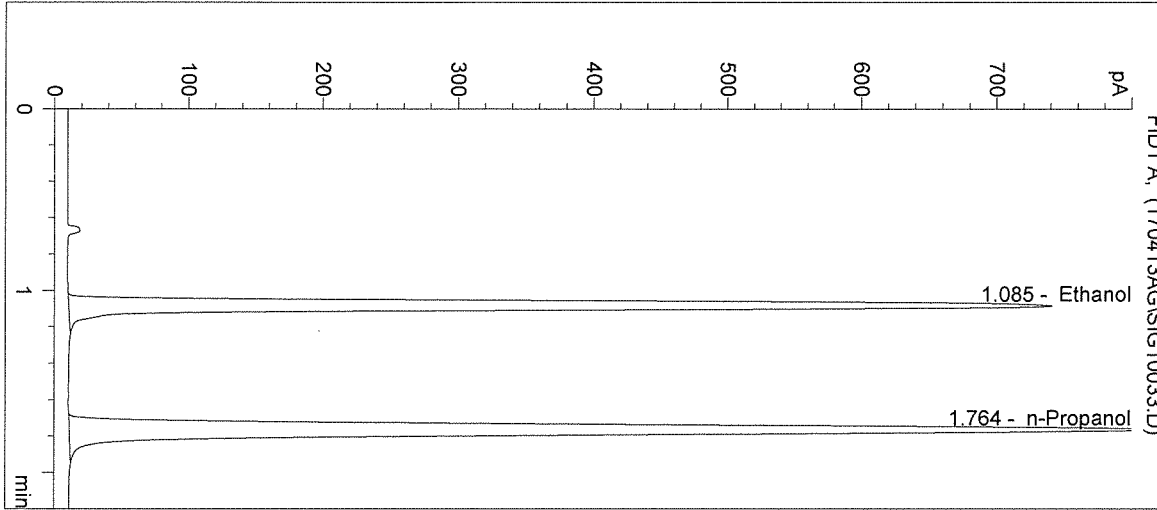


n-Propanol 0.012 g/100mL

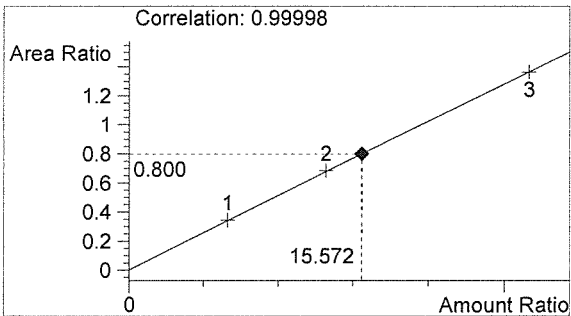
Handwritten signature

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

Inj. Date: 4/13/2017 4:16:05 PM Sample Name: QAP 17037 #3
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 33
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

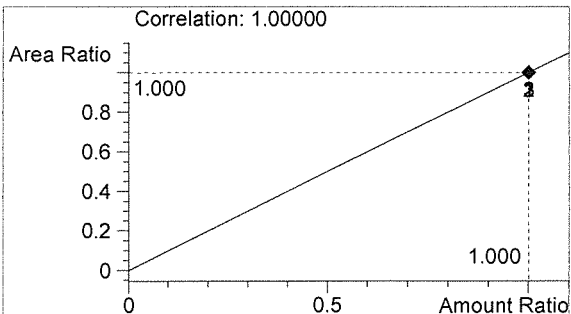


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2417 | 1.085 |
| 2 | n-Propanol | 3021 | 1.764 |



Ethanol 0.187 g/100mL

AG

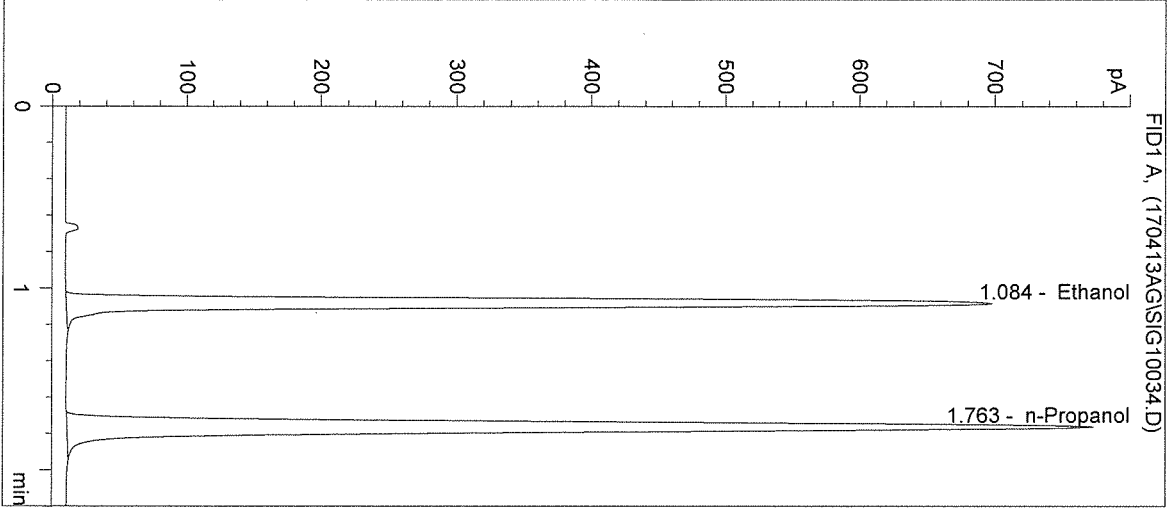


n-Propanol 0.012 g/100mL

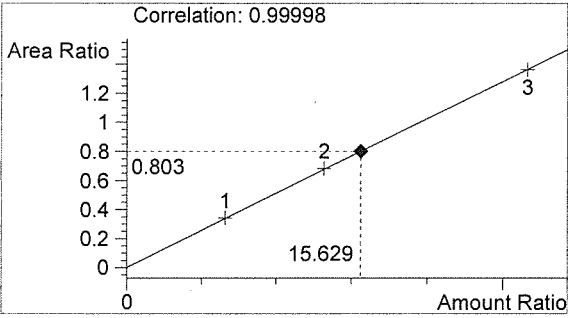
AG

Inj. Date: 4/13/2017 4:19:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

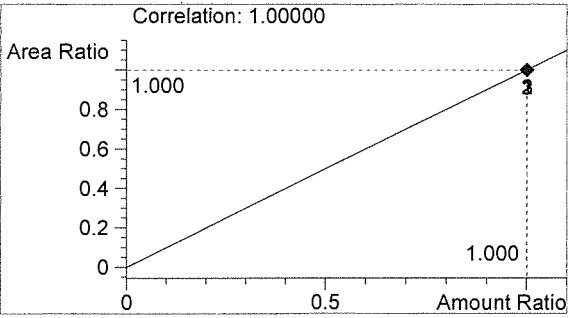
Sample Name: QAP 17037 #4
Operator: Andrew Gingras
Location: Vial 34



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2279 | 1.084 |
| 2 | n-Propanol | 2839 | 1.763 |



Ethanol 0.188 g/100mL *VG*



n-Propanol 0.012 g/100mL

VG

Inj. Date: 4/13/2017 4:22:31 PM

Sample Name: QAP 17037 #5

Instrument: HSGC#1

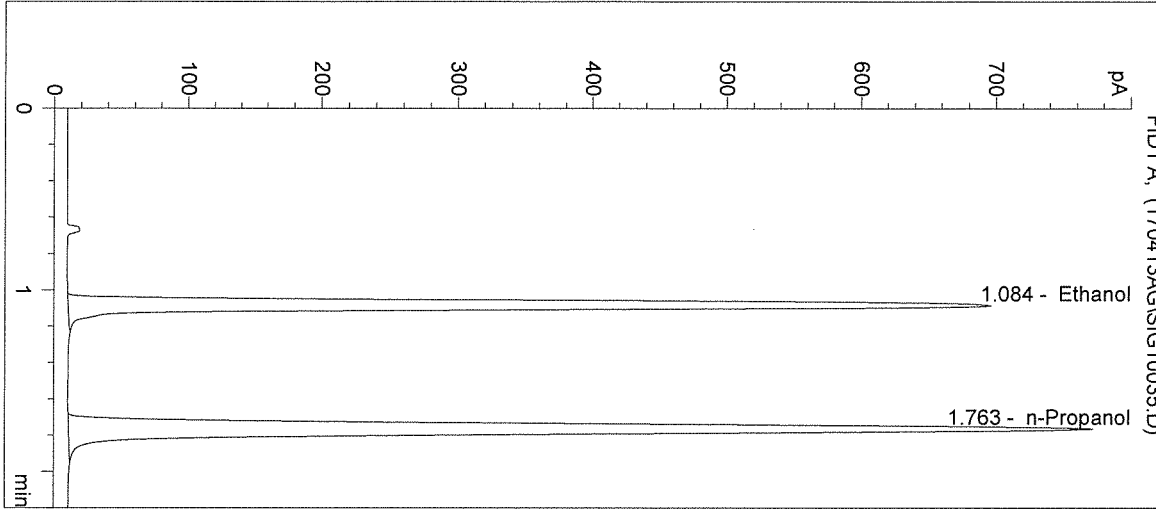
Operator: Andrew Gingras

Column: DB-ALC1

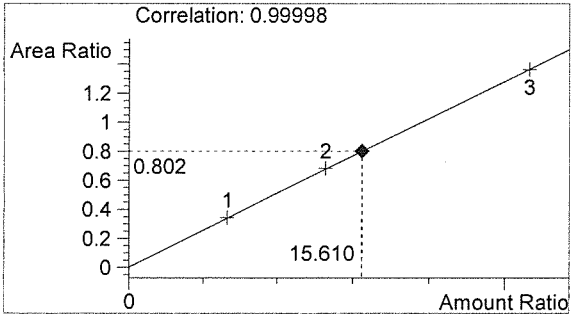
Location: Vial 35

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

Sample Info:

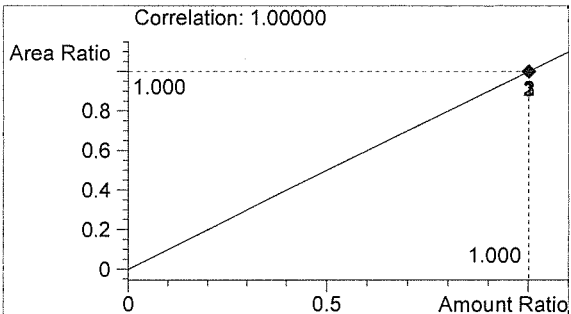


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2271 | 1.084 |
| 2 | n-Propanol | 2832 | 1.763 |



Ethanol 0.187 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

Inj. Date: 4/13/2017 4:25:45 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

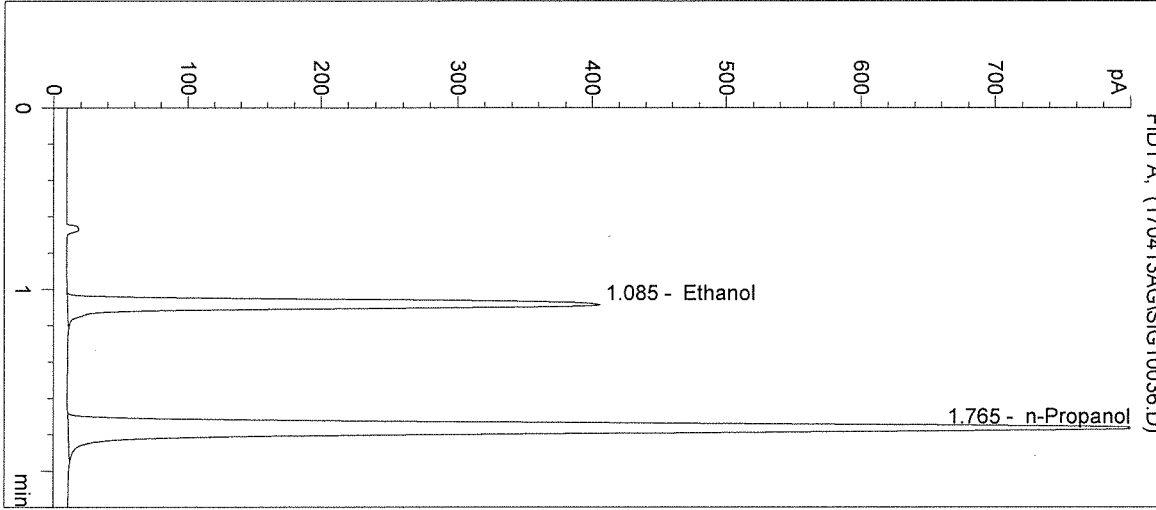
Operator: Andrew Gingras

Column: DB-ALC1

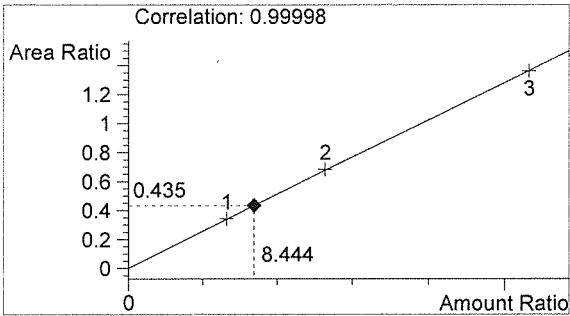
Location: Vial 36

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

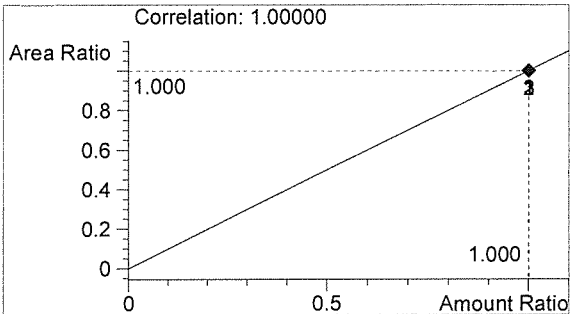
Sample Info: 17037



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1306 | 1.085 |
| 2 | n-Propanol | 3000 | 1.765 |



Ethanol 0.101 g/100mL *Box*

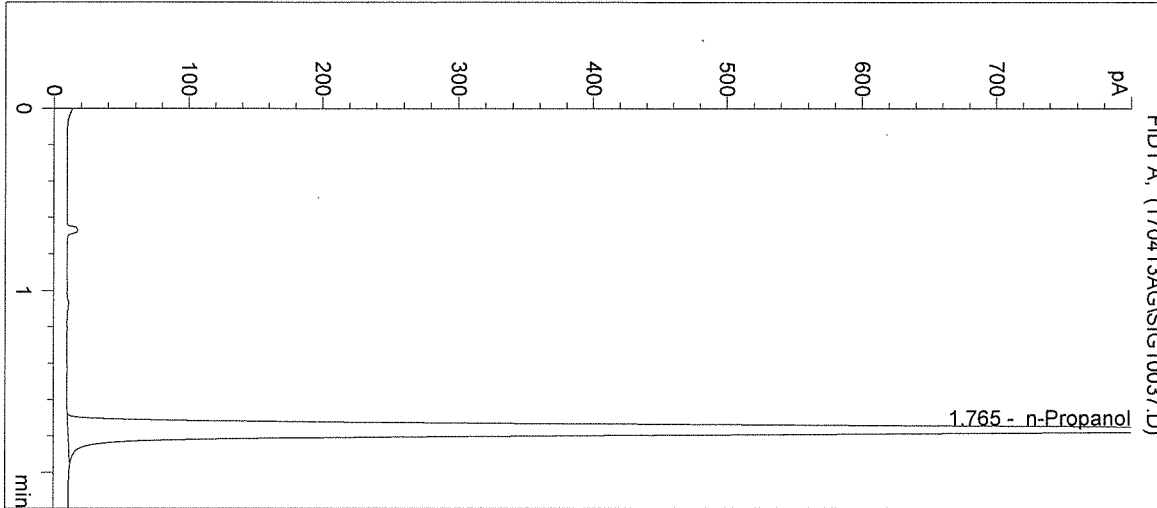


n-Propanol 0.012 g/100mL

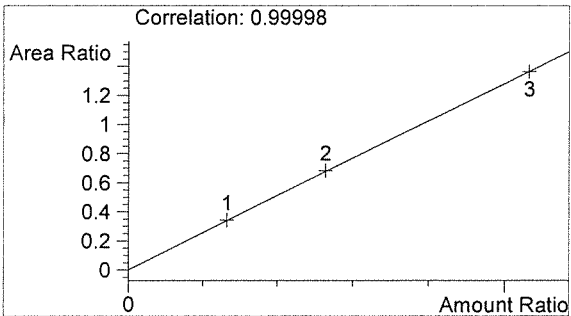
Box

Inj. Date: 4/13/2017 4:29:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17037

Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 37

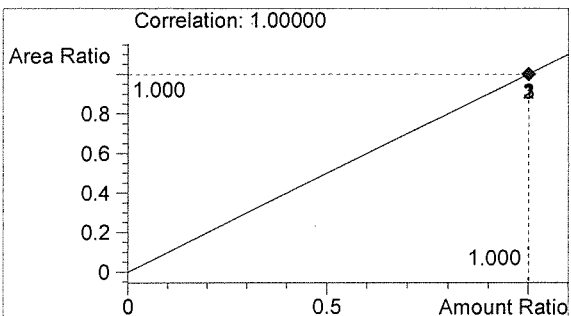


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3494 | 1.765 |



Ethanol 0.000 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten signature

Sequence Parameters:

Operator: Christie Mitchell-Mata
 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: 170414CM
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
 Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
 Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17
 0.04 Control - Lot #FN12181501 - Exp. 12/2020
 0.10 Control - Lot #FN08051301 - Exp. 10/2018
 0.20 Control - Lot #FN08101505 - Exp. 02/2021
 ISTD Lot#P0317 - Exp. 06/13/2017
 Dilutor #1
 Calibration 1-9 filed with 17034

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|---------------|---------|-----|------------|-----------|----------|
| 1 | Vial 1 | BLANK | SIMALC1 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC1 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC1 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC1 | 1 | Calib | | |
| 5 | Vial 5 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | 17034 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 17034 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 17034 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 17034 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 17034 #5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 17 | Vial 17 | 17035 #1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | 17035 #2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | 17035 #3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | 17035 #4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | 17035 #5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 24 | Vial 24 | 17036 #1 | SIMALC1 | 1 | Sample | | |
| 25 | Vial 25 | 17036 #2 | SIMALC1 | 1 | Sample | | |
| 26 | Vial 26 | 17036 #3 | SIMALC1 | 1 | Sample | | |

17037
 Not
 4/19/17

Handwritten signatures

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|---------------|---------|-----|------------|-----------|----------|
| 27 | Vial 27 | 17036 #4 | SIMALC1 | 1 | Sample | | |
| 28 | Vial 28 | 17036 #5 | SIMALC1 | 1 | Sample | | |
| 29 | Vial 29 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 30 | Vial 30 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 31 | Vial 31 | 17037 #1 | SIMALC1 | 1 | Sample | | |
| 32 | Vial 32 | 17037 #2 | SIMALC1 | 1 | Sample | | |
| 33 | Vial 33 | 17037 #3 | SIMALC1 | 1 | Sample | | |
| 34 | Vial 34 | 17037 #4 | SIMALC1 | 1 | Sample | | |
| 35 | Vial 35 | 17037 #5 | SIMALC1 | 1 | Sample | | |
| 36 | Vial 36 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 37 | Vial 37 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 38 | Vial 38 | 17038 #1 | SIMALC1 | 1 | Sample | | |
| 39 | Vial 39 | 17038 #2 | SIMALC1 | 1 | Sample | | |
| 40 | Vial 40 | 17038 #3 | SIMALC1 | 1 | Sample | | |
| 41 | Vial 41 | 17038 #4 | SIMALC1 | 1 | Sample | | |
| 42 | Vial 42 | 17038 #5 | SIMALC1 | 1 | Sample | | |
| 43 | Vial 43 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 44 | Vial 44 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

= 17037
Pat
4/14/17

m m

Inj. Date: 4/14/2017 12:36:04 PM

Sample Name: 17037 #1

Instrument: HSGC#1

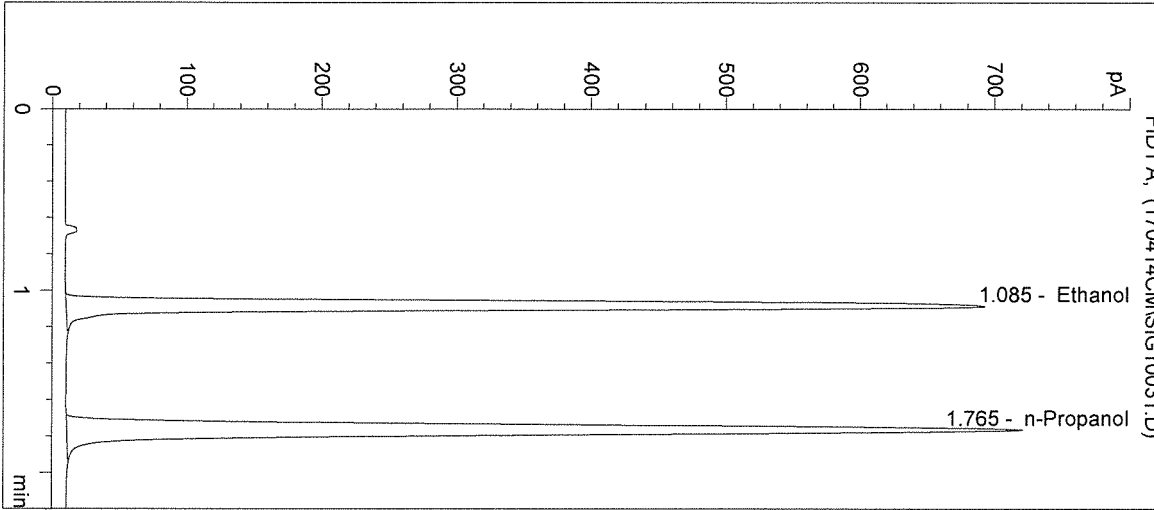
Operator: Christie Mitchell-Mata

Column: DB-ALC1

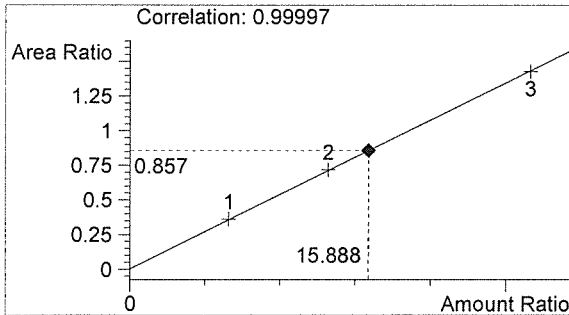
Location: Vial 31

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

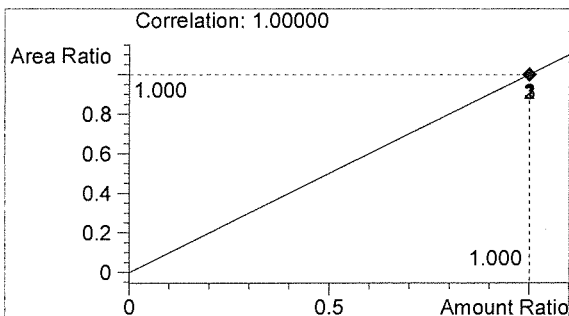
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2278 | 1.085 |
| 2 | n-Propanol | 2656 | 1.765 |



Ethanol 0.191 g/100mL *MS*



n-Propanol 0.012 g/100mL

MS

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

Inj. Date: 4/14/2017 12:39:17 PM

Sample Name: 17037 #2

Instrument: HSGC#1

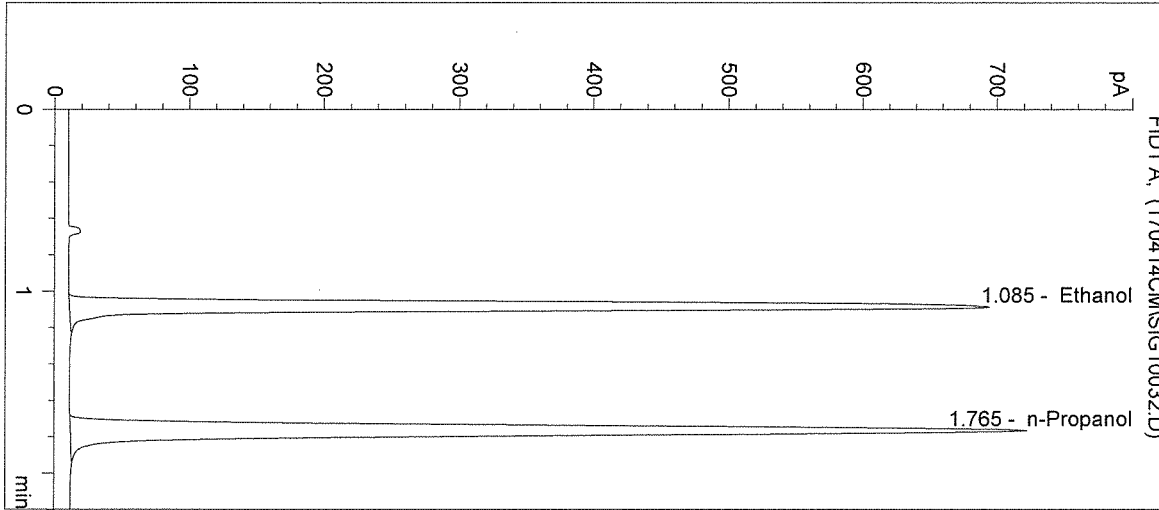
Operator: Christie Mitchell-Mata

Column: DB-ALC1

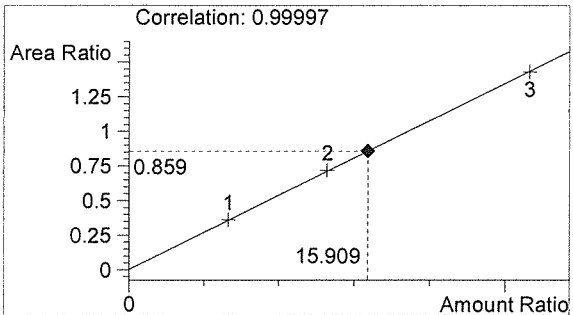
Location: Vial 32

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

Sample Info:

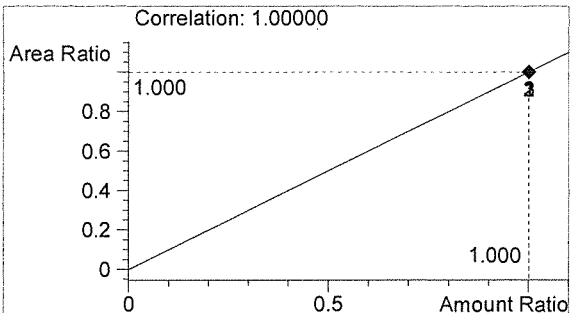


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2278 | 1.085 |
| 2 | n-Propanol | 2654 | 1.765 |



Ethanol 0.191 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark

Inj. Date: 4/14/2017 12:42:31 PM

Sample Name: 17037 #3

Instrument: HSGC#1

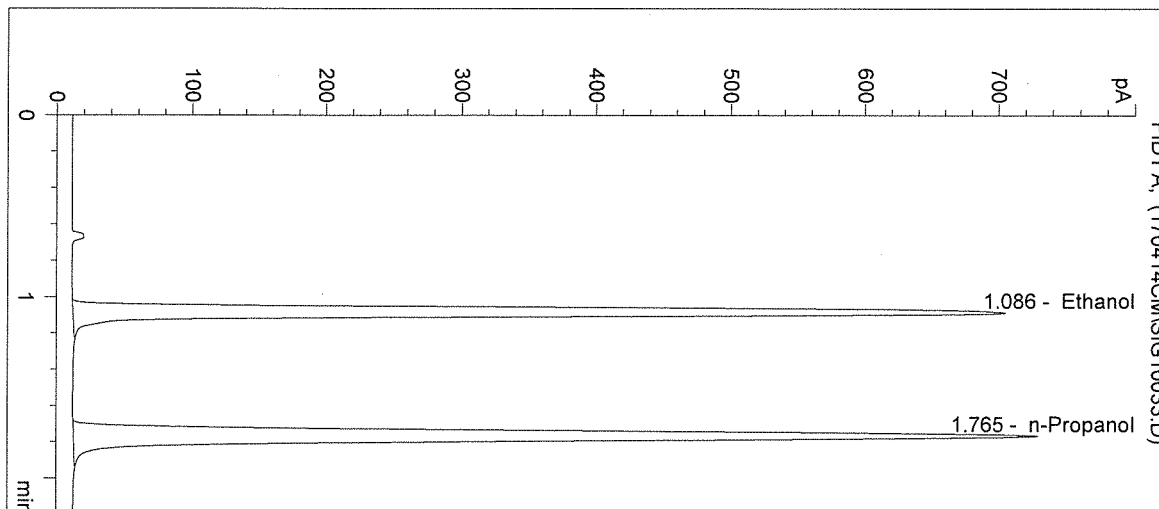
Operator: Christie Mitchell-Mata

Column: DB-ALC1

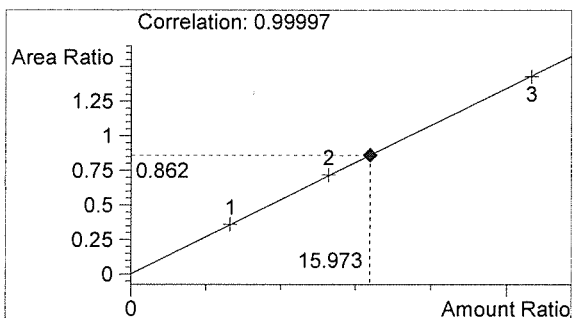
Location: Vial 33

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

Sample Info:

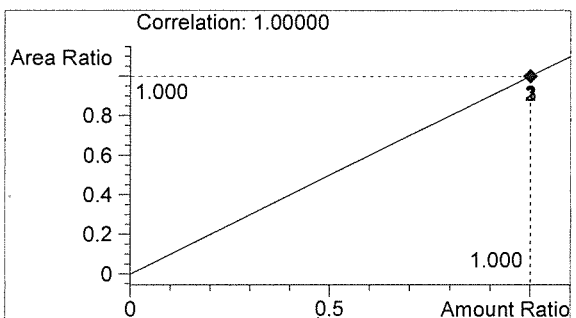


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2313 | 1.086 |
| 2 | n-Propanol | 2683 | 1.765 |



Ethanol 0.192 g/100mL

BM



n-Propanol 0.012 g/100mL

u

Inj. Date: 4/14/2017 12:45:44 PM

Sample Name: 17037 #4

Instrument: HSGC#1

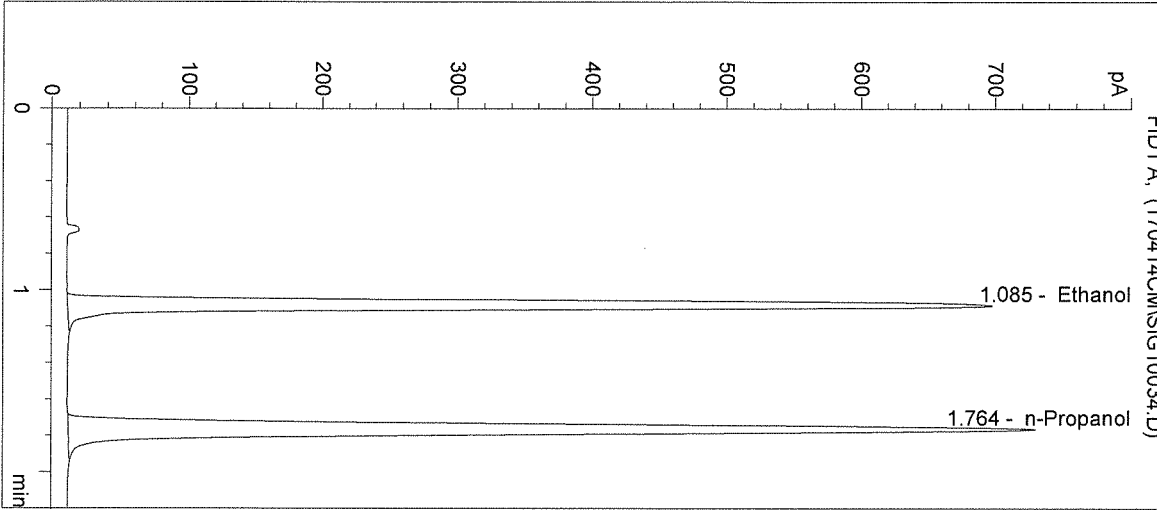
Operator: Christie Mitchell-Mata

Column: DB-ALC1

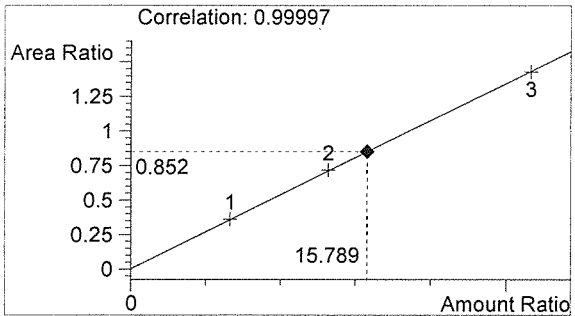
Location: Vial 34

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

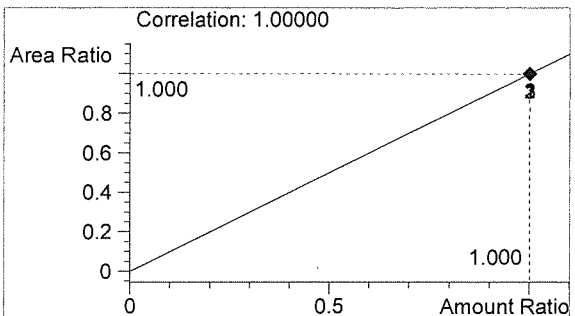
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2290 | 1.085 |
| 2 | n-Propanol | 2688 | 1.764 |



Ethanol 0.189 g/100mL *BM*



n-Propanol 0.012 g/100mL

BM

Inj. Date: 4/14/2017 12:48:57 PM

Sample Name: 17037 #5

Instrument: HSGC#1

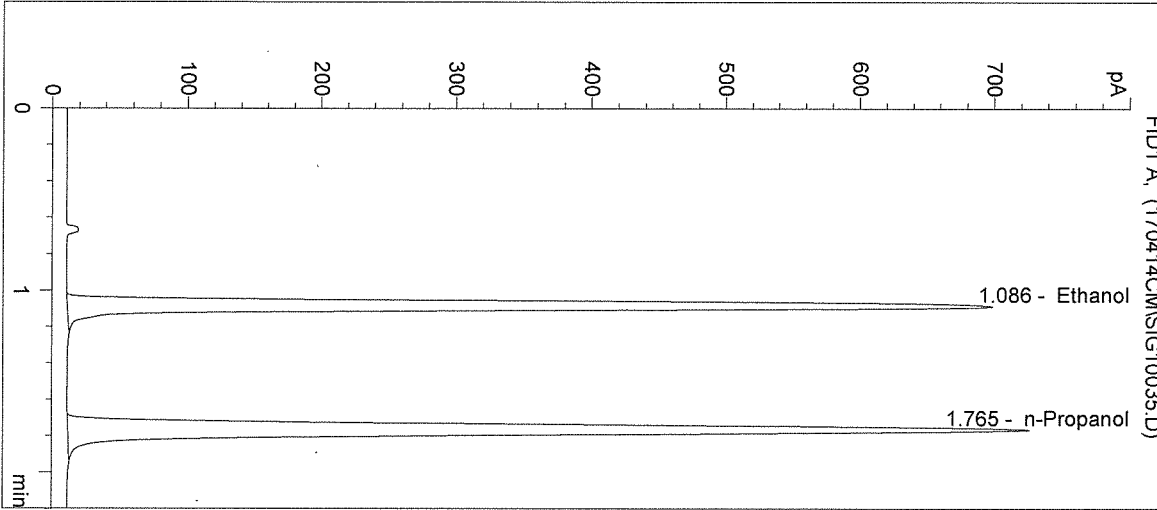
Operator: Christie Mitchell-Mata

Column: DB-ALC1

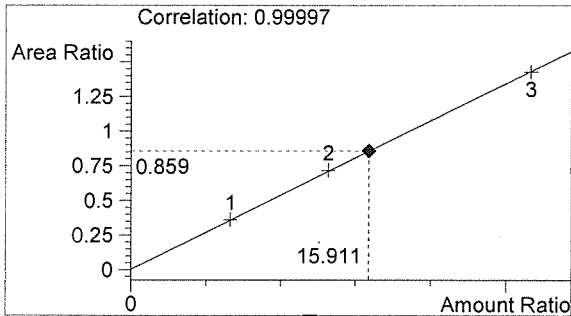
Location: Vial 35

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

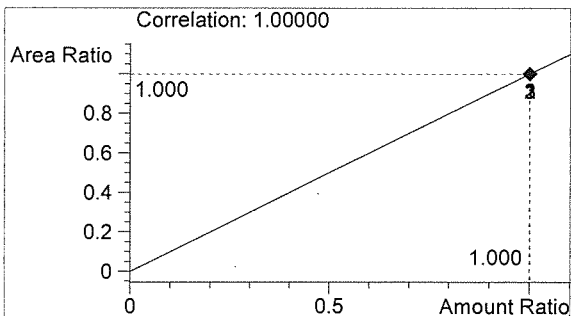
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2301 | 1.086 |
| 2 | n-Propanol | 2680 | 1.765 |



Ethanol 0.191 g/100mL *pot*



n-Propanol 0.012 g/100mL

lu

Inj. Date: 4/14/2017 12:52:10 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

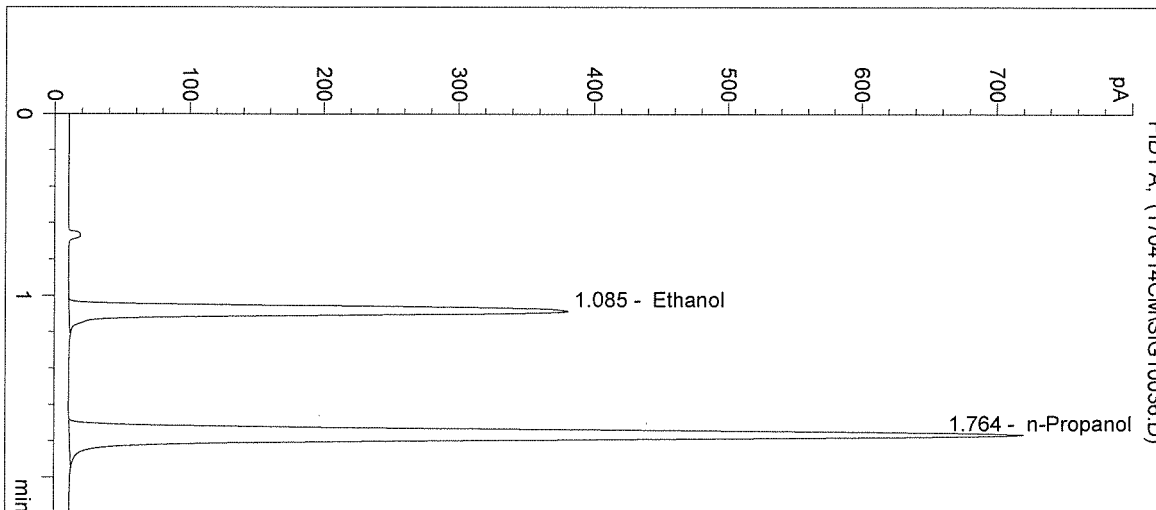
Operator: Christie Mitchell-Mata

Column: DB-ALC1

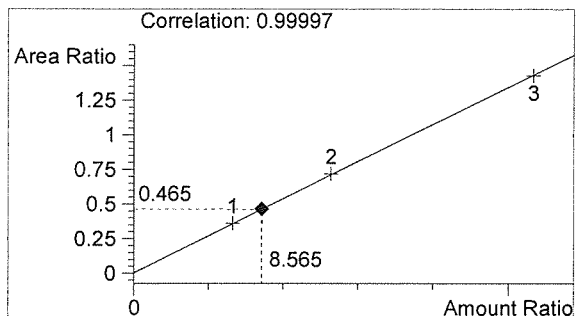
Location: Vial 36

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

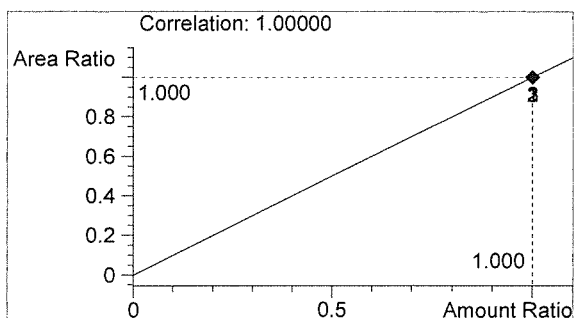
Sample Info: 17037



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1232 | 1.085 |
| 2 | n-Propanol | 2653 | 1.764 |



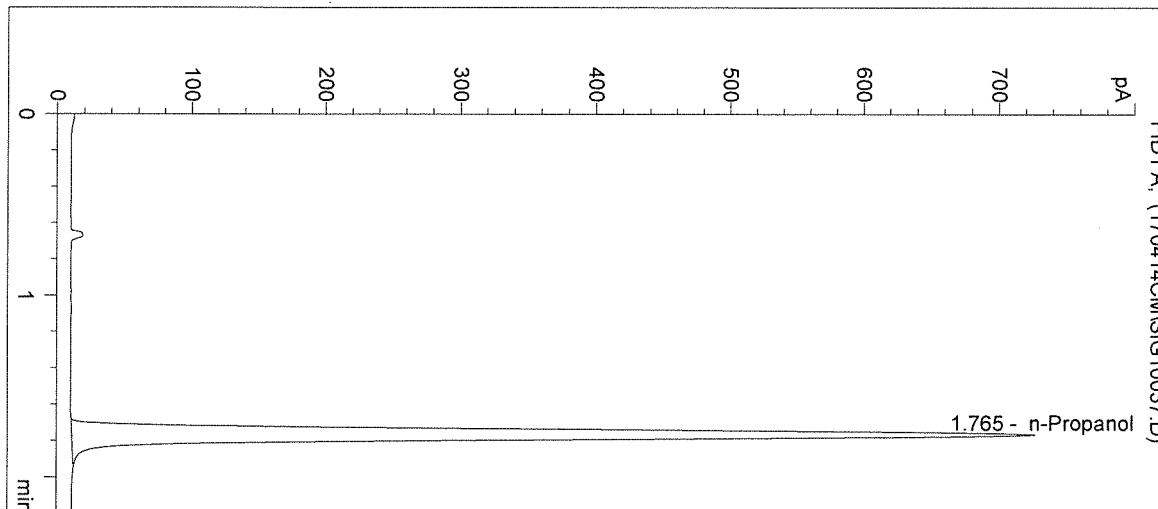
Ethanol 0.103 g/100mL *Box*



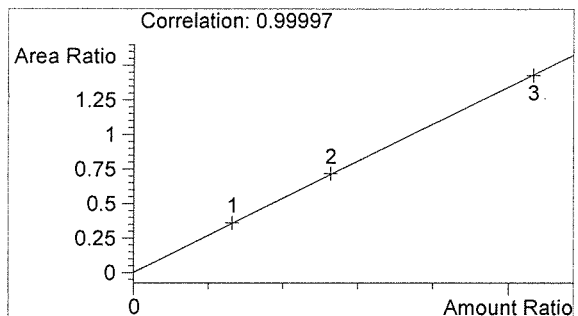
n-Propanol 0.012 g/100mL

W

Inj. Date: 4/14/2017 12:55:23 PM Sample Name: Negative CTRL
Instrument: HSGC#1 Operator: Christie Mitchell-Mata
Column: DB-ALC1 Location: Vial 37
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17037

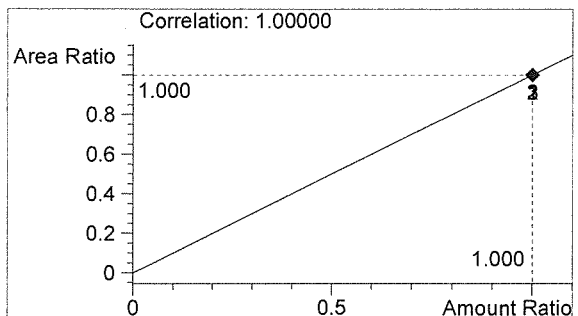


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2684 | 1.765 |



Ethanol 0.000 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark