**WASHINGTON STATE TOXICOLOGY LABORATORY**
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.08** g/210L **Simulator External Standard solution**

Batch number **03029** Date: 9/10/2003

Preparation: 69.1 mL of absolute ethyl alcohol diluted to 54 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

| | Anal 1 | Anal 2 | Anal 3 | Anal 4 | Anal 5 | Anal 6 | Anal 7 | Anal 8 | Anal 9 | Anal10 | Anal 11 | Anal 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.100 | 0.100 | 0.099 | 0.100 | 0.102 | 0.104 | 0.100 | 0.100 | 0.099 | 0.100 | | |
| 2 | 0.102 | 0.100 | 0.101 | 0.101 | 0.103 | 0.104 | 0.099 | 0.099 | 0.101 | 0.101 | | |
| 3 | 0.102 | 0.100 | 0.102 | 0.101 | 0.103 | 0.104 | 0.099 | 0.100 | 0.101 | 0.100 | | |
| 4 | 0.102 | 0.101 | 0.101 | 0.100 | 0.103 | 0.104 | 0.099 | 0.100 | 0.101 | 0.100 | | |
| 5 | 0.101 | 0.101 | 0.101 | 0.101 | 0.103 | 0.106 | 0.099 | 0.100 | 0.100 | 0.100 | | |
| Ctrl | 0.100 | 0.100 | 0.100 | 0.097 | 0.101 | 0.102 | 0.099 | 0.099 | 0.100 | 0.099 | | |

**External Control:**

Lot #: A024546 Exp date: 09/05

Target concentration: 0.10 g/100mL

**Statistics:**

Avg. solution concent.: 0.1010 g/100 mL

SD: 0.00161

Range (3xSD): 0.0962 to 0.1058

Precision CV (%): 1.5976 %

**Equivalent vapor concent.:** 0.0821 g/210L

| Analyst | Name | Signature | Date |
|---|---|---|---|
| 1 | Estuardo Miranda | | 09/17/03 |
| 2 | Asa Louis | | 09/11/03 |
| 3 | Mary E Wilson | | 09/11/03 |
| 4 | Melissa Pemberton | | 09/12/03 |
| 5 | Dorota B Schranz, PhD | | 09/16/03 |
| 6 | Jayne E Thatcher | | 09/16/03 |
| 7 | Edward Formoso | | 09/17/03 |
| 8 | Ann Marie Gordon | | 09/17/03 |
| 9 | William P Marshall | | 09/18/03 |
| 10 | Naziha Nuwayhid, PhD | | 09/19/03 |
| 11 | | | |
| 12 | | | |

Prepared by: Estuardo Miranda according to the approved protocol

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and seven years in Toxicology.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Asa J. Louis
Forensic Toxicologist

AJL/bf
AJLSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and five years experience in Forensic Toxicology.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/bf
EMSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Mary E. Wilson, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry with two years of experience in toxicology, including one year in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/bf
MEWSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Melissa L. Pemberton, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelors degree in Microbiology and ten years of experience as a forensic toxicologist.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/bf
MPSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Dorota Schranz, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Ph.D. degree in Medical Sciences, M.S. degree in Medical Technology, and nine years analytical laboratory experience.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

D. Schranz

Dorota Schranz, Ph.D.
Forensic Toxicology Technical Lead

DS/bf
DSSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Jayne E. Thatcher, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Cell and Molecular Biology and two years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Jayne E. Thatcher
Jayne E. Thatcher
Forensic Toxicologist

JET/bf
JTSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Edward J. Formoso, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and twenty-eight years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/bf
EFSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ann Marie Gordon, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Masters degree in Microbiology and Immunology and fifteen years of experience as a forensic toxicologist.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/bf
AGSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, William P. Marshall, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and thirty-one years of analytical laboratory experience including fifteen years of toxicology experience.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/bf
WMSIMSOL

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# BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Naziha Nuwayhid, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Bachelor and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and three years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The simulator solution, Lot Number 03029, was prepared in the Washington State Toxicology Laboratory on 9/10/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 9/10/04.

Dated: 9/23/03
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/bf
NNSIMSOL

Sequence Parameters:

| | |
|---|---|
| Operator: | Estuardo J. Miranda |
| Data File Naming: | Auto |
| Data Directory: | C:\HPCHEM\2\DATA\ |
| Data Subdirectory: | 091703EM |
| Part of Methods to run: | According to Runtime Checklist |
| Barcode Reader: | not used |
| Shutdown Cmd/Macro: | none |

Sequence Comment:
Changed volatiles to run under volatile method instead of alcohol method.

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Vial | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 1 | 1 | BLANK | BLDALCO2 | 1 | Sample | | |
| 2 | 2 | 0.079 Calibrator | BLDALCO2 | 1 | Calib | | |
| 3 | 3 | 0.158 Calibrator | BLDALCO2 | 1 | Calib | | |
| 4 | 4 | 0.316 Calibrator | BLDALCO2 | 1 | Calib | | |
| 5 | 5 | BLANK | BLDALCO2 | 1 | Ctrl Samp | | |
| 6 | 6 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 7 | 7 | Blank | BLDALCO2 | 1 | Sample | | |
| 8 | 8 | 0.200 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 9 | 9 | BLANK | BLDALCO2 | 1 | Sample | | |
| 10 | 10 | 03029 Sim. Sol. | BLDALCO2 | 1 | Sample | | |
| 11 | 11 | 03029 Sim. Sol. | BLDALCO2 | 1 | Sample | | |
| 12 | 12 | 03029 Sim. Sol. | BLDALCO2 | 1 | Sample | | |
| 13 | 13 | 03029 Sim. Sol. | BLDALCO2 | 1 | Sample | | |
| 14 | 14 | 03029 Sim. Sol. | BLDALCO2 | 1 | Sample | | |
| 15 | 15 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 16 | 16 | BLANK | BLDALCO2 | 1 | Sample | | |
| 17 | 17 | 03030 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 18 | 18 | 03030 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 19 | 19 | 03030 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 20 | 20 | 03030 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 21 | 21 | 03030 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 22 | 22 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 23 | 23 | BLANK | BLDALCO2 | 1 | Sample | | |
| 24 | 24 | 03031 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 25 | 25 | 03031 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 26 | 26 | 03031 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 27 | 27 | 03031 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 28 | 28 | 03031 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 29 | 29 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 30 | 30 | BLANK | BLDALCO2 | 1 | Sample | | |
| 31 | 31 | 03032 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 32 | 32 | 03032 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 33 | 33 | 03032 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 34 | 34 | 03032 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 35 | 35 | 03032 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 36 | 36 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |
| 37 | 37 | BLANK | BLDALCO2 | 1 | Sample | | |
| 38 | 38 | 03033 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 39 | 39 | 03033 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 40 | 40 | 03033 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 41 | 41 | 03033 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 42 | 42 | 03033 Q.A. Sol. | BLDALCO2 | 1 | Sample | | |
| 43 | 43 | 0.100 Control | BLDALCO2 | 1 | Ctrl Samp | | |

| Line | Vial | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|---|---|---|---|---|---|---|---|
| 44 | 44 | BLANK | BLDALCO2 | 1 | Sample | | |

Sequence Table (Back Injector):

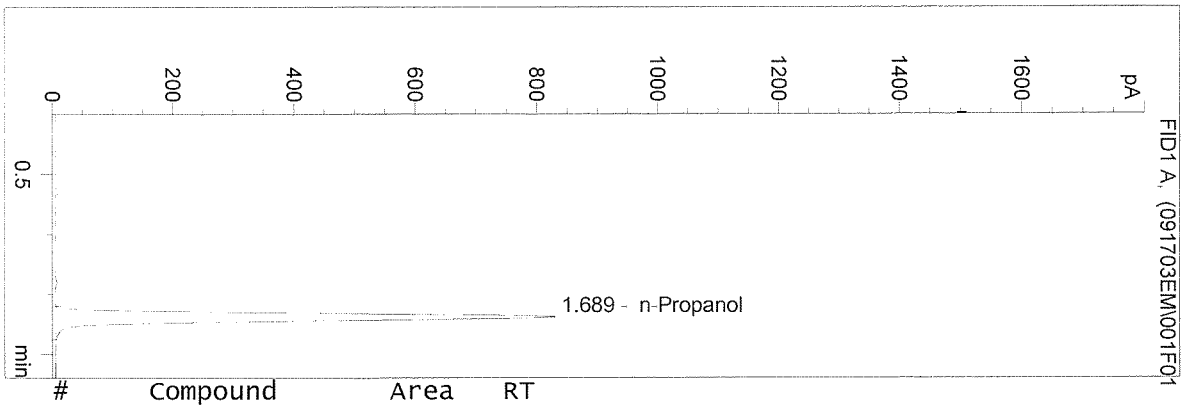
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:40:49 AM
Instrument 2
ALC1

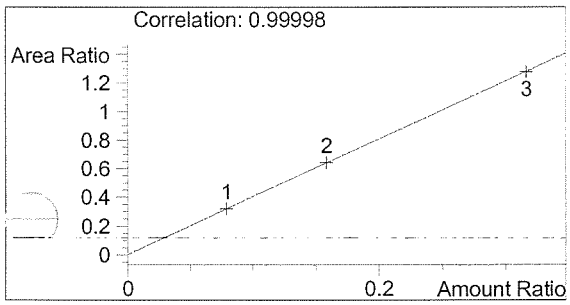
BLANK
Estuardo J. Miranda

vial # 1

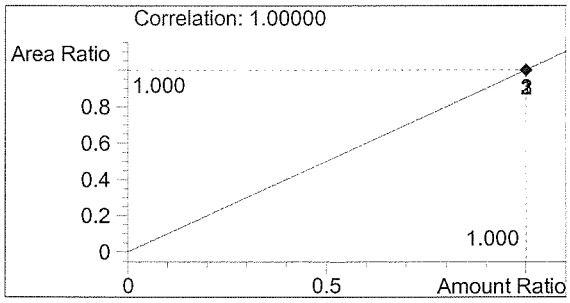



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3503 | 1.689 |

Totals:




Ethanol 0.000 g/100ml

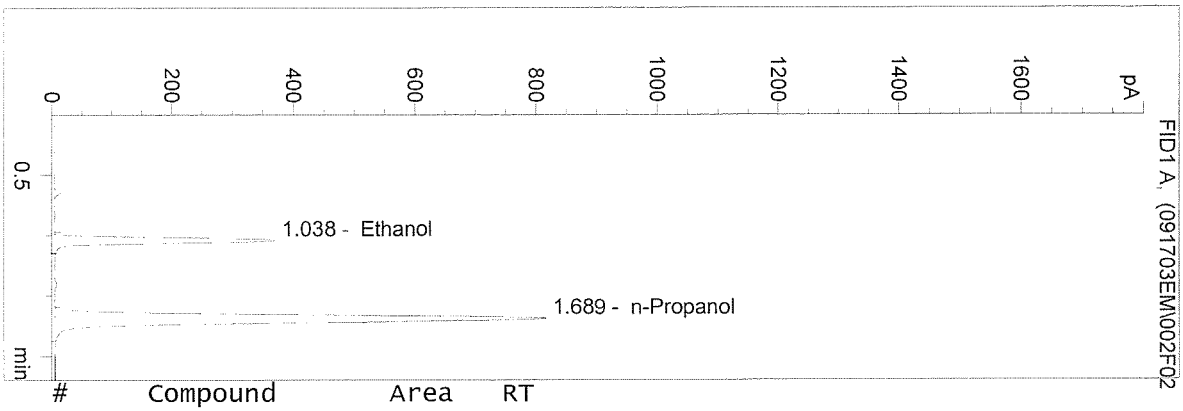



n-Propanol 1.000 g/100ml

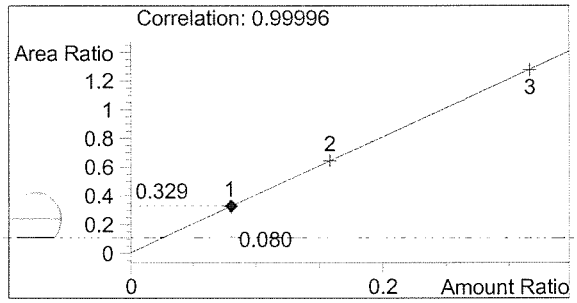
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:43:50 AM
Instrument 2
ALC1

0.079 Calibrator
Estuardo J. Miranda

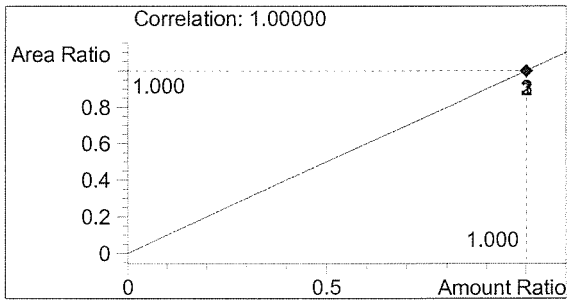
vial # 2




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1136 | 1.038 |
| 2 | n-Propanol | 3453 | 1.689 |
| Totals: | | | |




Ethanol 0.080 g/100ml




n-Propanol 1.000 g/100ml

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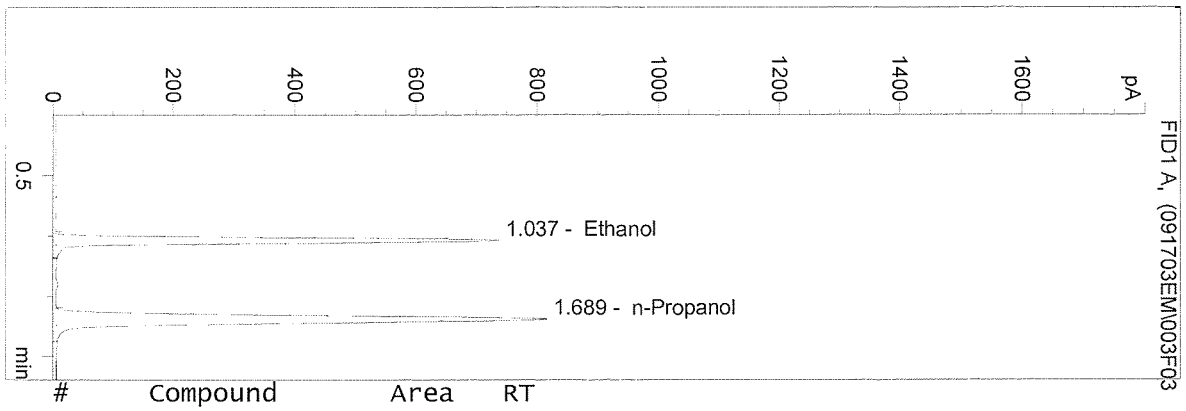
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:46:52 AM
Instrument 2
ALC1

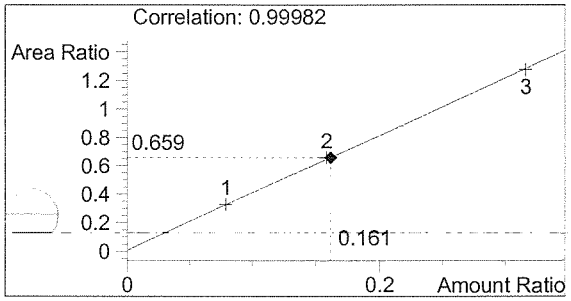
0.158 Calibrator
Estuardo J. Miranda

vial # 3

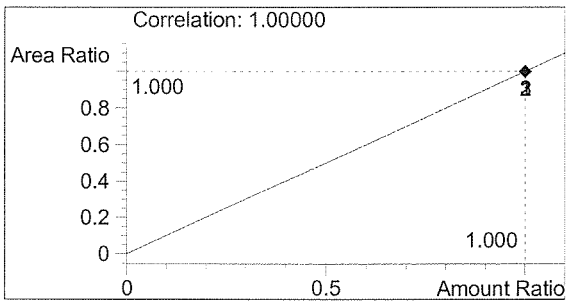



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 2271 | 1.037 |
| 2 | n-Propanol | 3445 | 1.689 |

Totals:




Ethanol 0.161 g/100ml




n-Propanol 1.000 g/100ml

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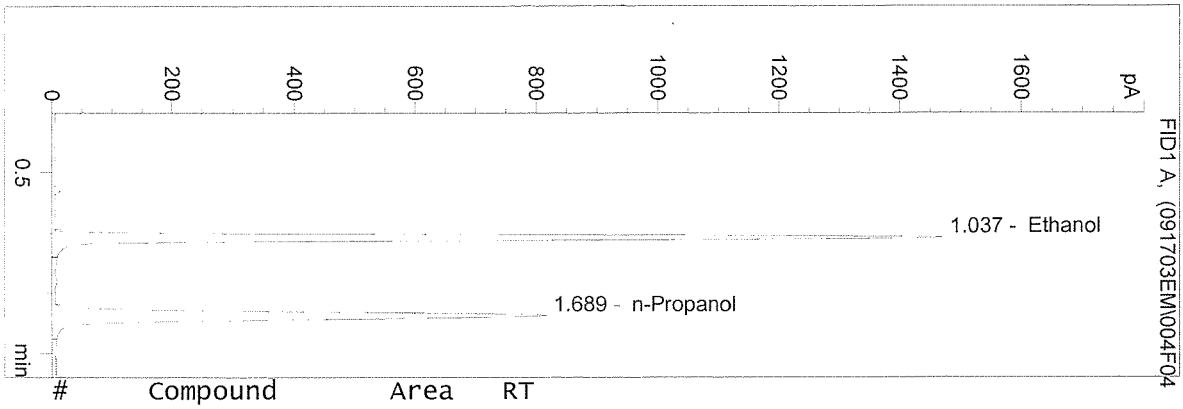
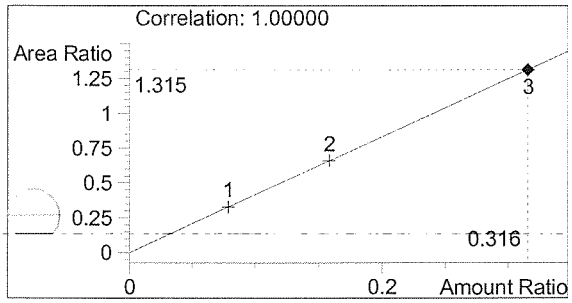
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:49:54 AM
Instrument 2
ALC1

0.316 Calibrator
Estuardo J. Miranda

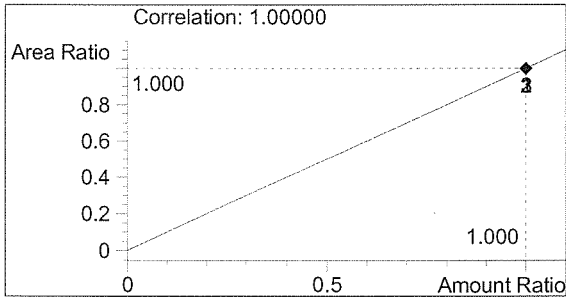
vial # 4




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 4539 | 1.037 |
| 2 | n-Propanol | 3452 | 1.689 |
| Totals: | | | |




Ethanol 0.316 g/100ml




n-Propanol 1.000 g/100ml

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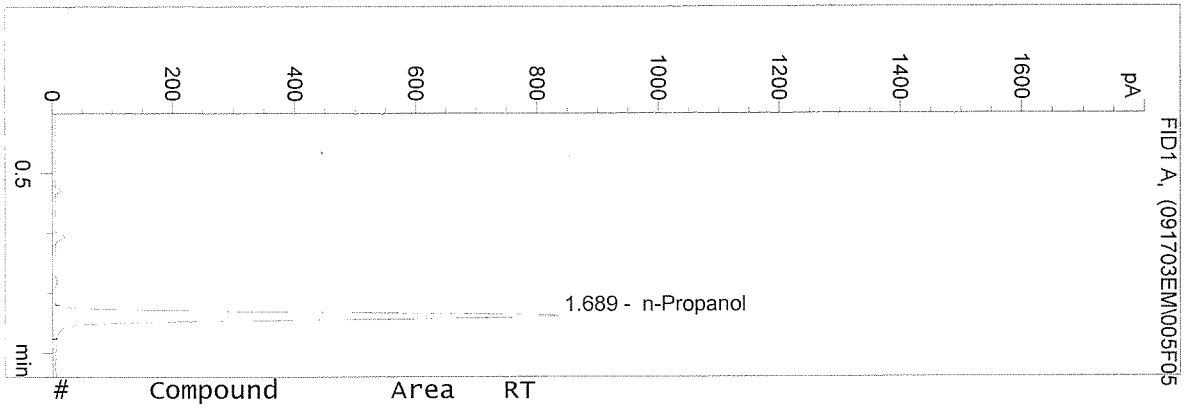
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:53:13 AM
Instrument 2
ALC1

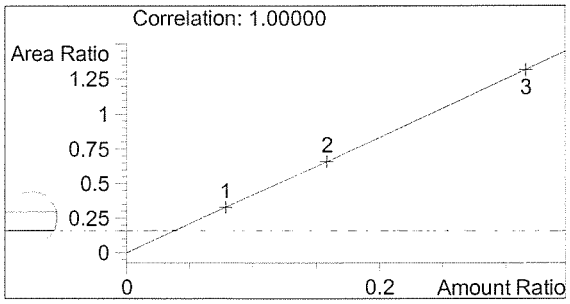
BLANK
Estuardo J. Miranda

vial # 5

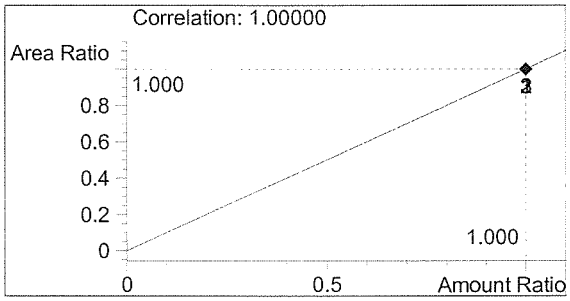



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3526 | 1.689 |

Totals:




Ethanol 0.000 g/100ml



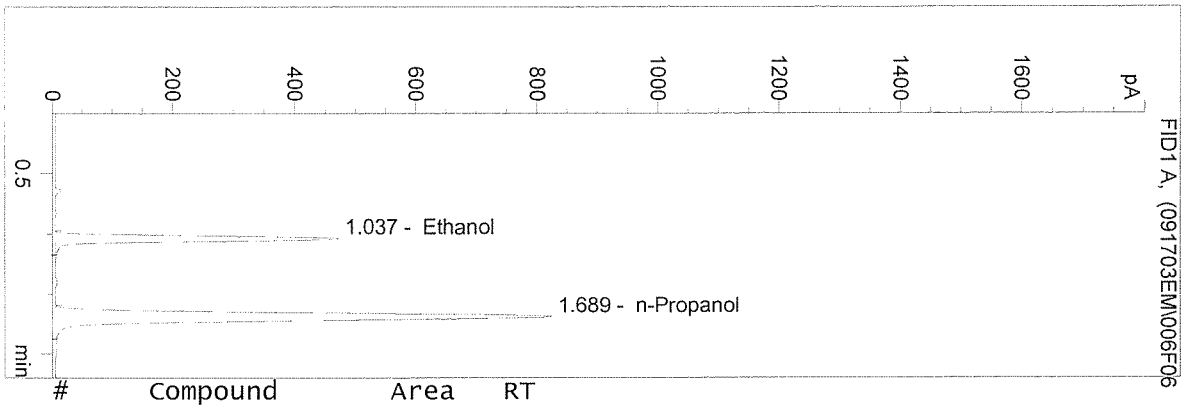

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/17/03 9:56:16 AM
Instrument 2
ALC1

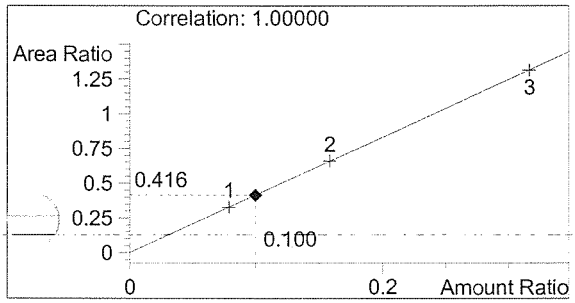
0.100 Control
Estuardo J. Miranda

vial # 6

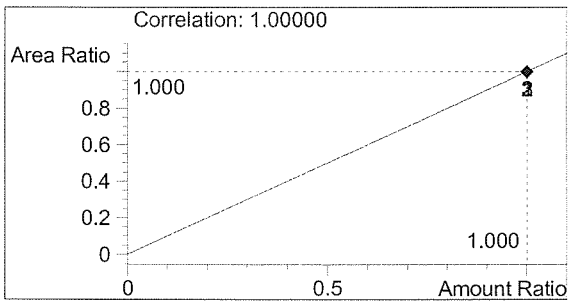



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1451 | 1.037 |
| 2 | n-Propanol | 3485 | 1.689 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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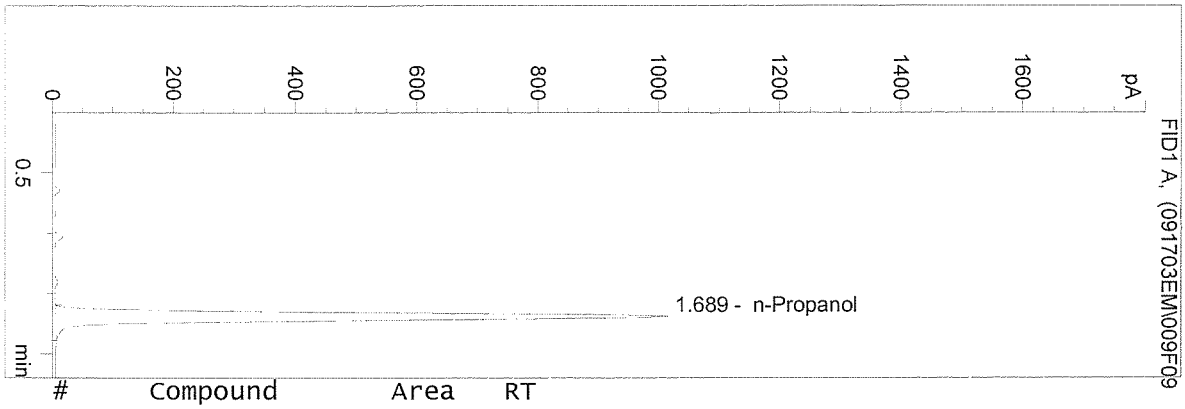
9/17/03 10:05:41 AM
Instrument 2
ALC1

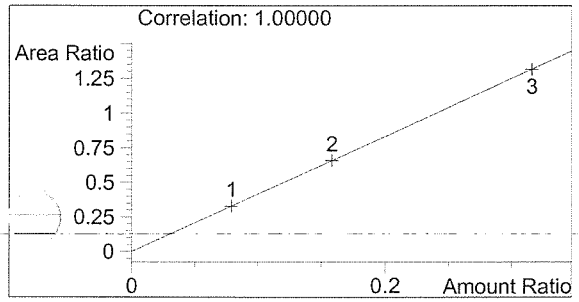
BLANK
Estuardo J. Miranda

vial # 9

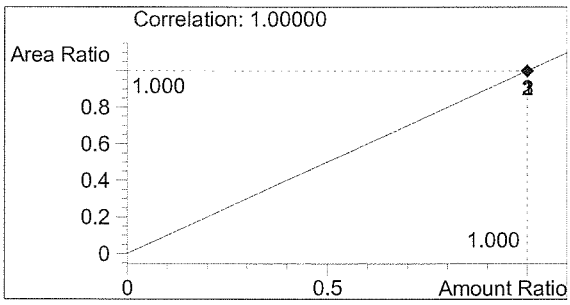



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 4320 | 1.689 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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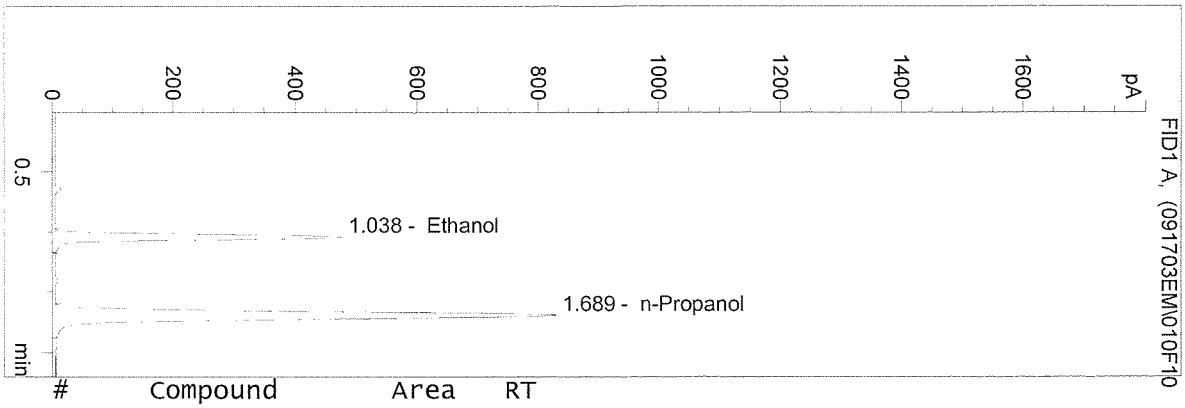
9/17/03 10:08:43 AM
Instrument 2
ALC1

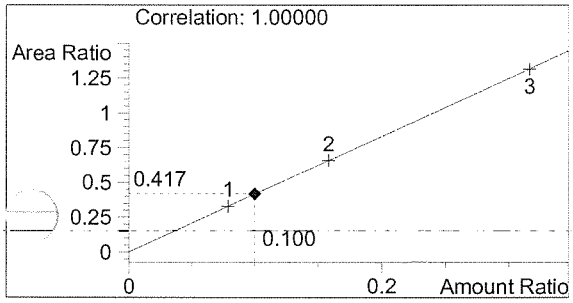
03029 Sim. Sol.
Estuardo J. Miranda

vial # 10

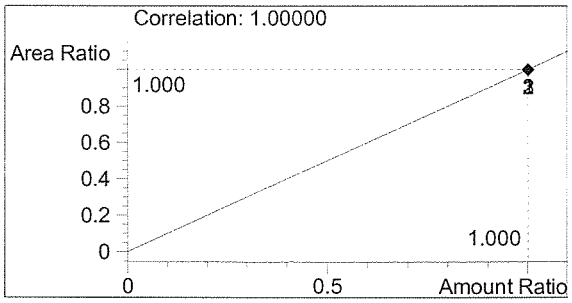



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1466 | 1.038 |
| 2 | n-Propanol | 3513 | 1.689 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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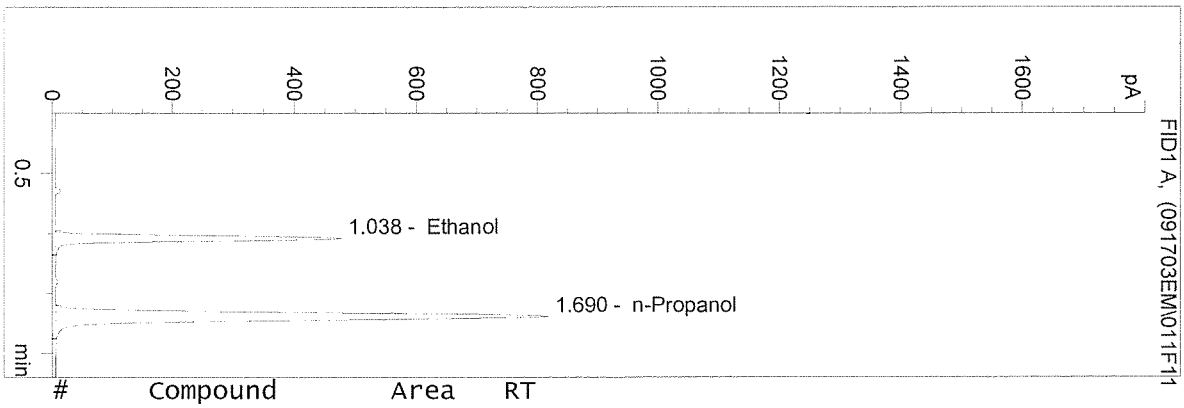
Instrument 2
ALC1

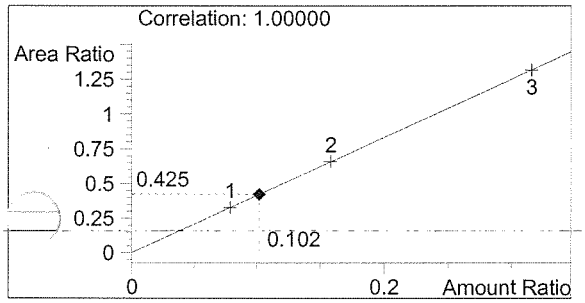
03029 Sim. Sol.
Estuardo J. Miranda

vial # 11

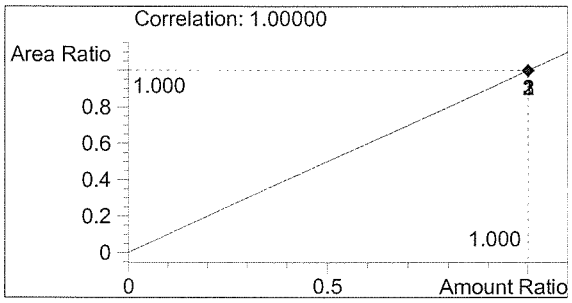



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1469 | 1.038 |
| 2 | n-Propanol | 3456 | 1.690 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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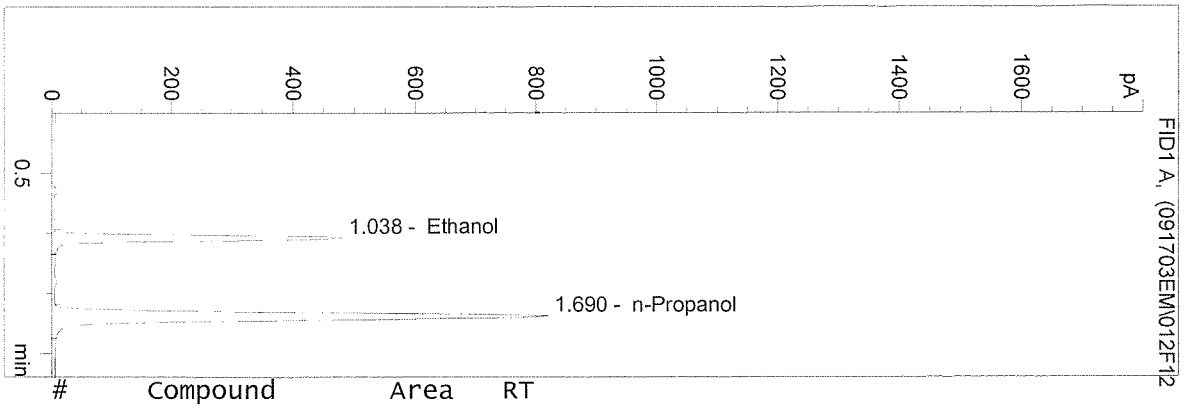
Instrument 2
ALC1

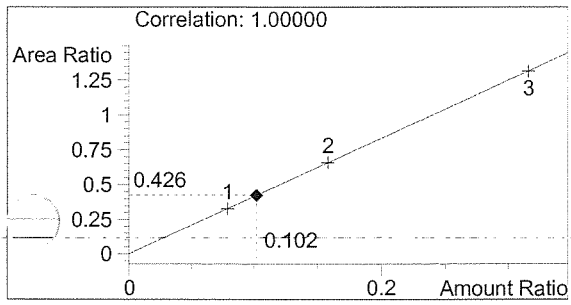
03029 Sim. Sol.
Estuardo J. Miranda

vial # 12

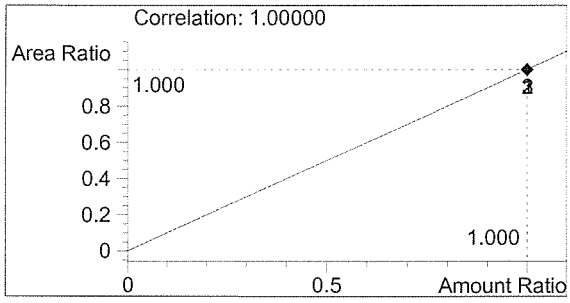



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1484 | 1.038 |
| 2 | n-Propanol | 3485 | 1.690 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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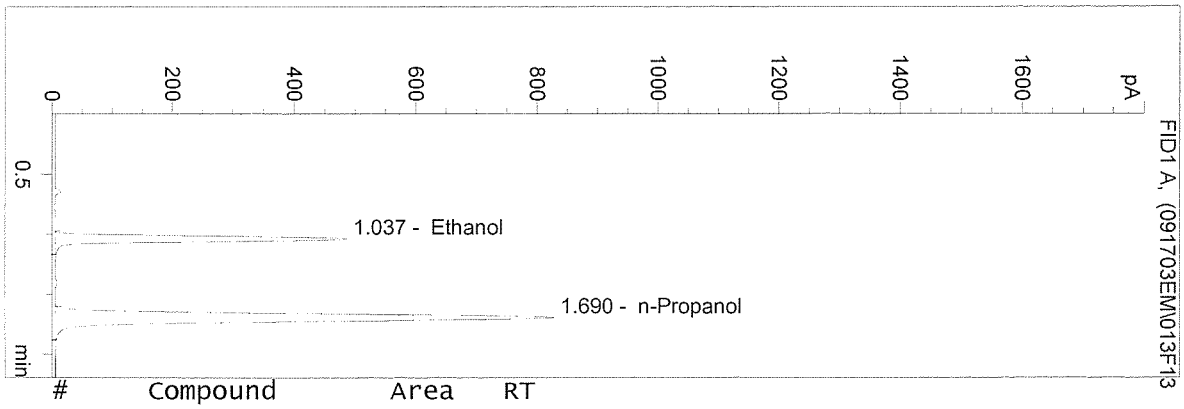
Instrument 2
ALC1

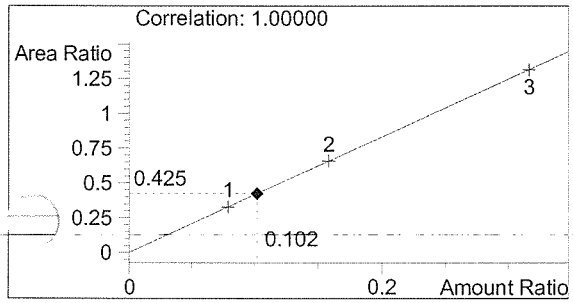
03029 Sim. Sol.
Estuardo J. Miranda

vial # 13

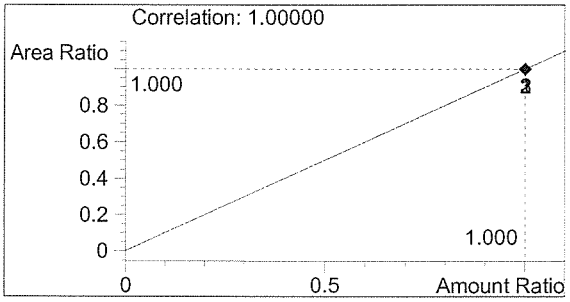



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1491 | 1.037 |
| 2 | n-Propanol | 3504 | 1.690 |

Totals:




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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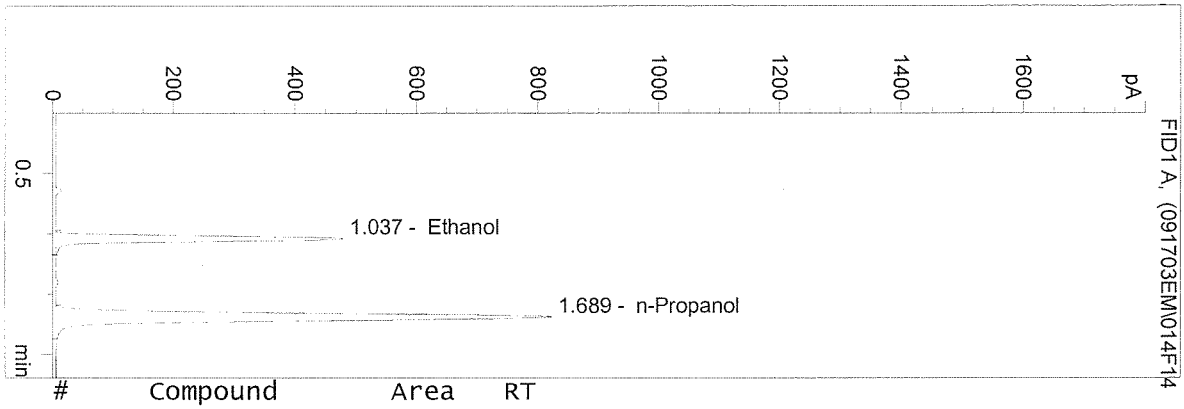
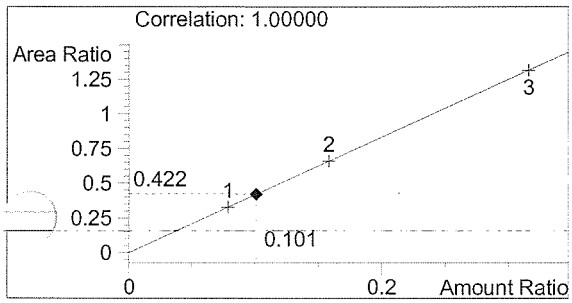
9/17/03 10:21:06 AM
Instrument 2
ALC1

03029 Sim. Sol.
Estuardo J. Miranda

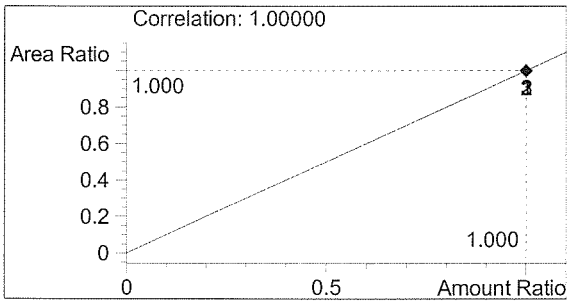
vial # 14




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1471 | 1.037 |
| 2 | n-Propanol | 3483 | 1.689 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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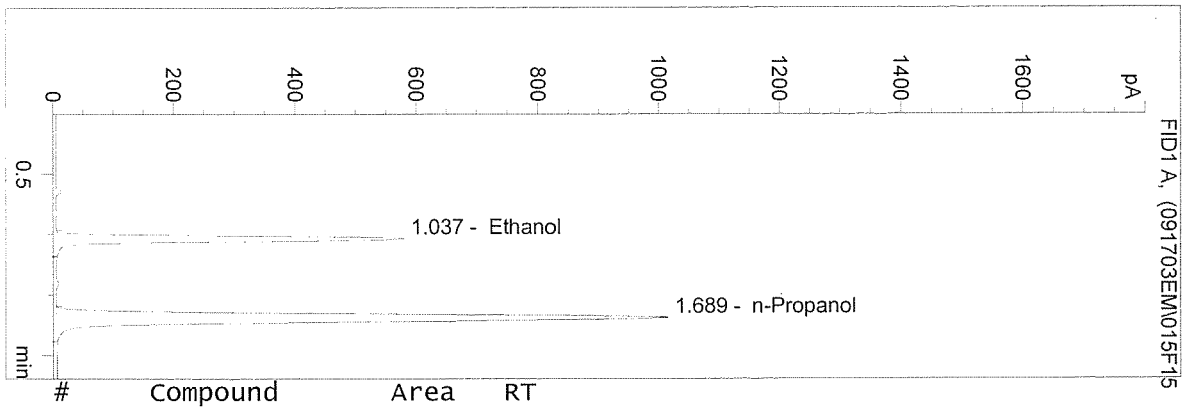
Instrument 2
ALC1

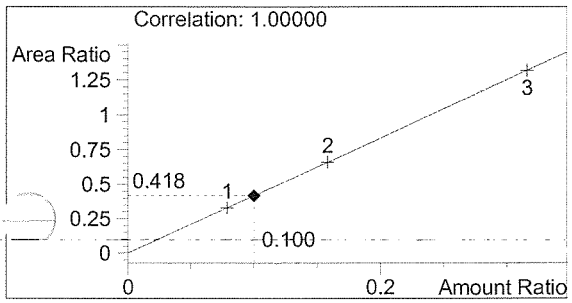
0.100 Control
Estuardo J. Miranda

vial # 15

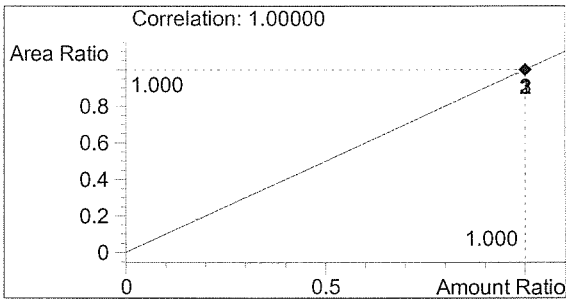



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1809 | 1.037 |
| 2 | n-Propanol | 4327 | 1.689 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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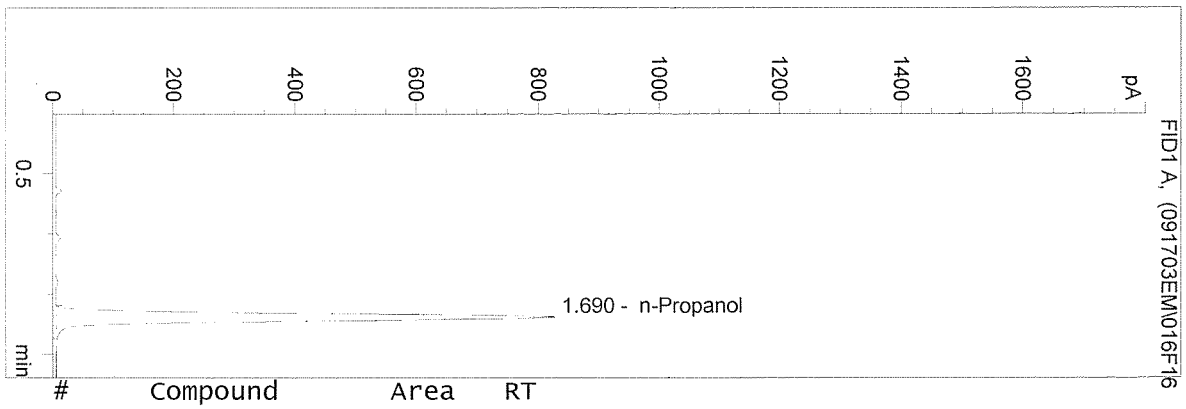
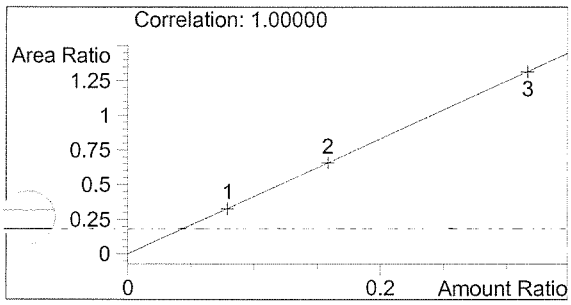
Estuardo J. Miranda

vial # 16

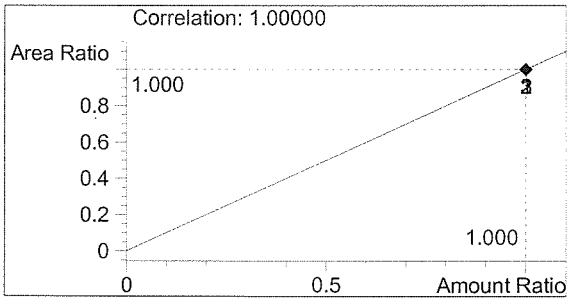



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3498 | 1.690 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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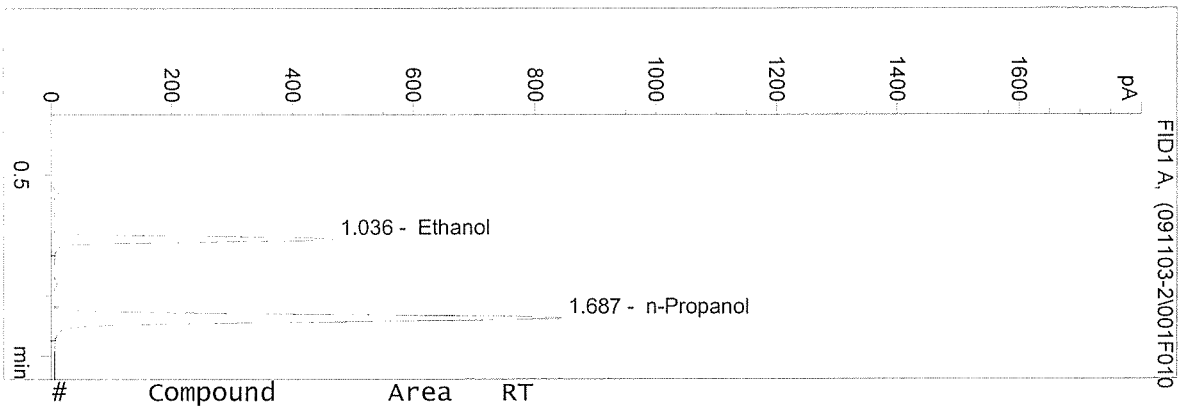
9/11/03 8:31:04 AM
Instrument 2
ALC1

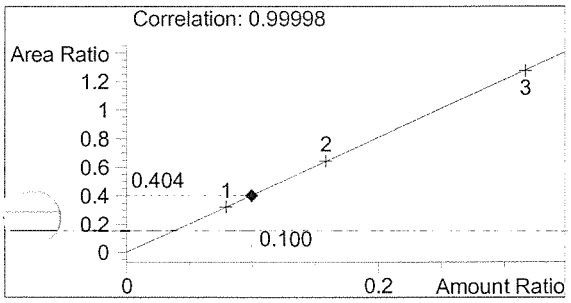
0.10 con
alouis

vial # 1

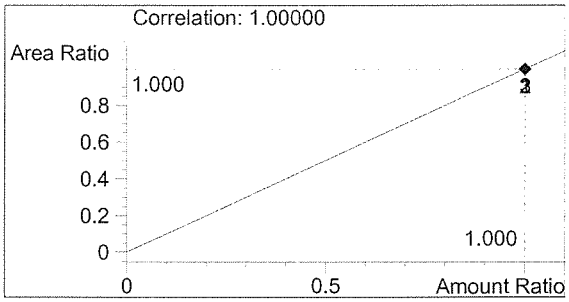



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1438 | 1.036 |
| 2 | n-Propanol | 3557 | 1.687 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
ALC1

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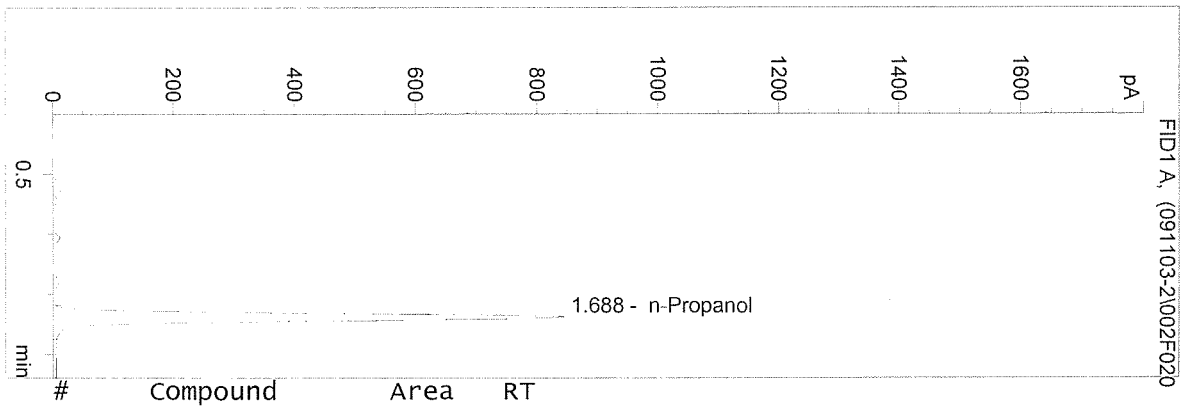
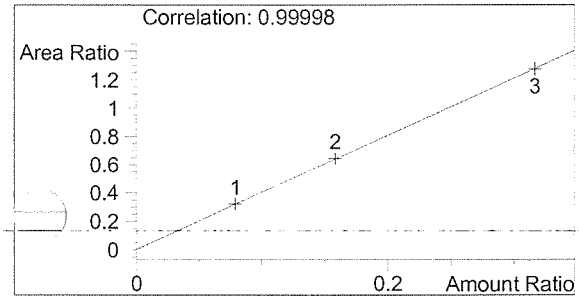
alouis

vial # 2

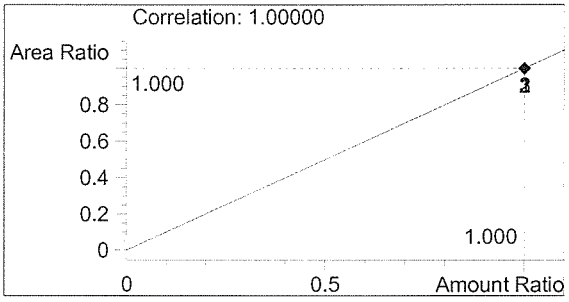



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3578 | 1.688 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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Instrument 2
ALC1

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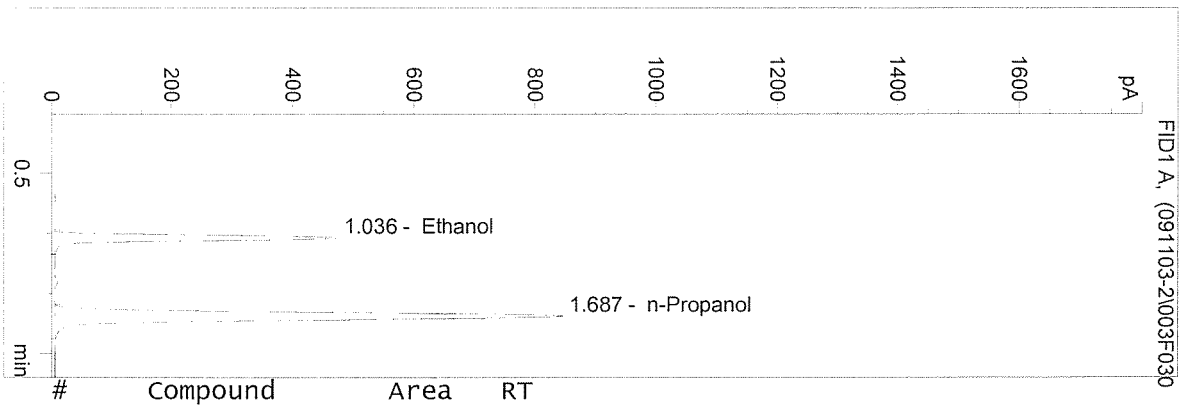
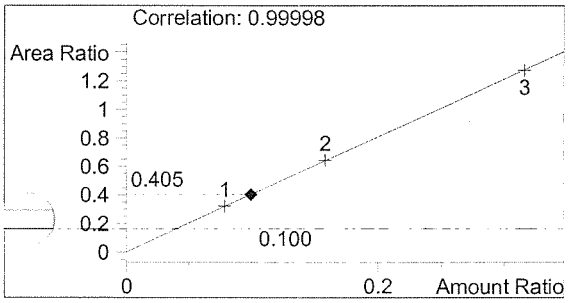
alouis

vial # 3

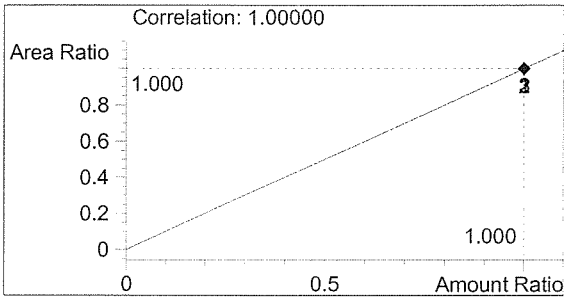



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1450 | 1.036 |
| 2 | n-Propanol | 3579 | 1.687 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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9/11/03 8:40:10 AM
Instrument 2
ALC1

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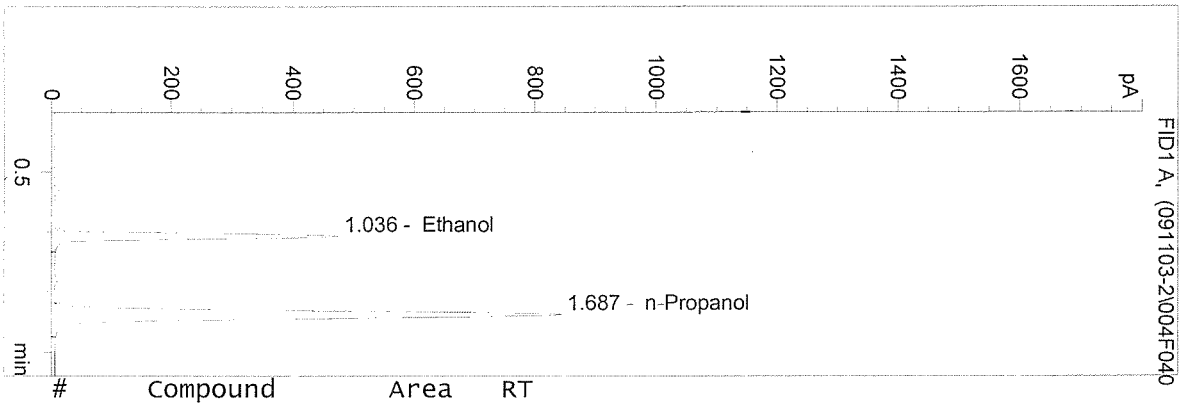
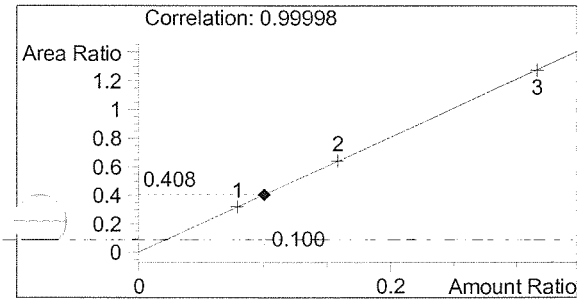
alouis

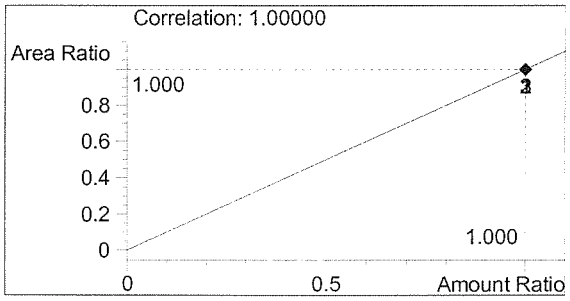
vial # 4




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1453 | 1.036 |
| 2 | n-Propanol | 3562 | 1.687 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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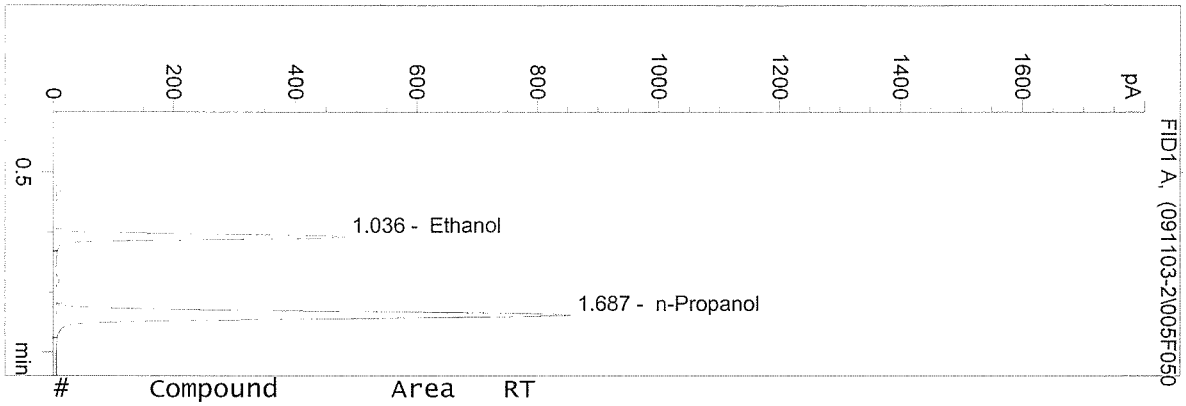
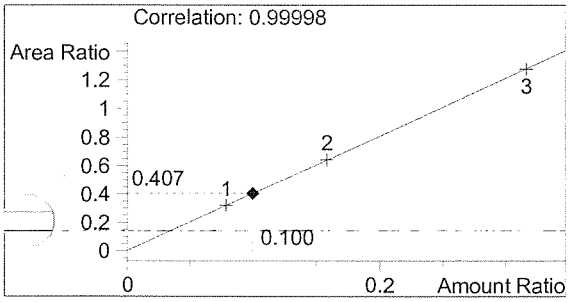
9/11/03 8:43:40 AM
Instrument 2
ALC1

03029sim sol al
alouis

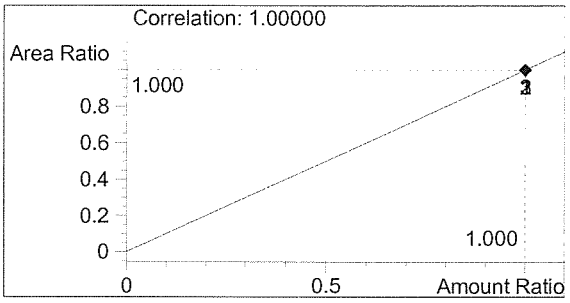
vial # 5




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1471 | 1.036 |
| 2 | n-Propanol | 3609 | 1.687 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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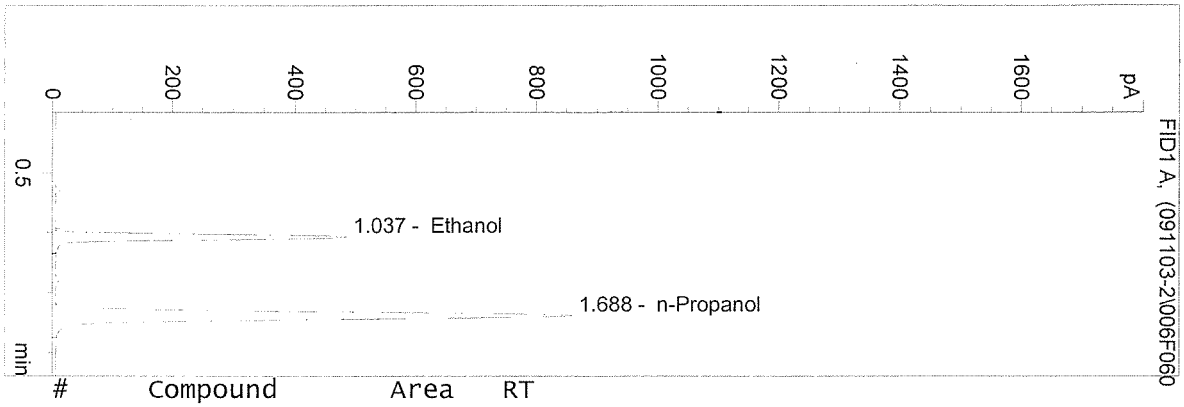
Instrument 2
ALC1

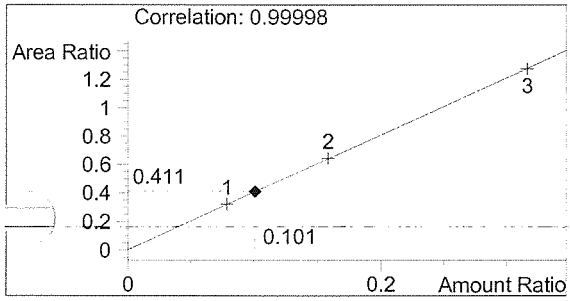
03029sim sol al
alouis

vial # 6

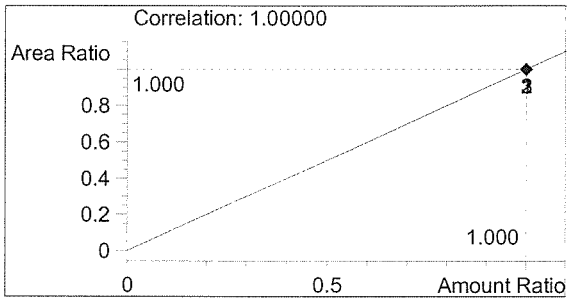



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1493 | 1.037 |
| 2 | n-Propanol | 3630 | 1.688 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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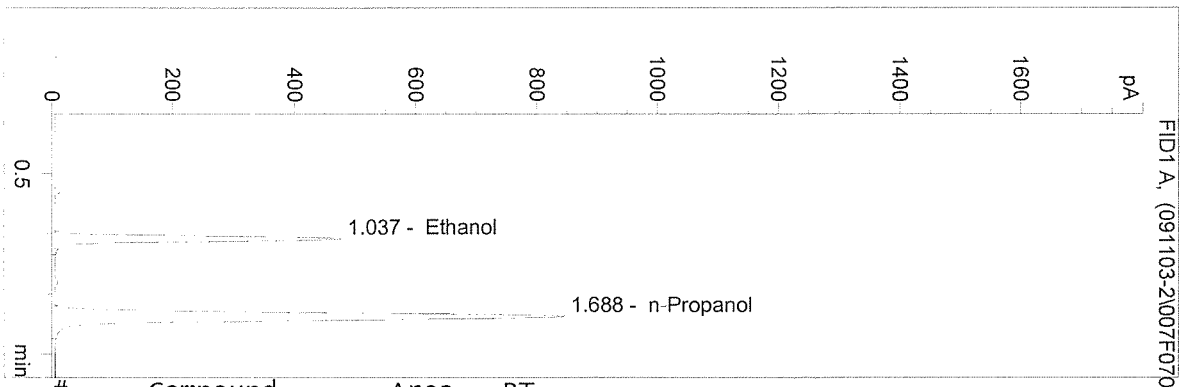
9/11/03 8:49:44 AM
Instrument 2
ALC1

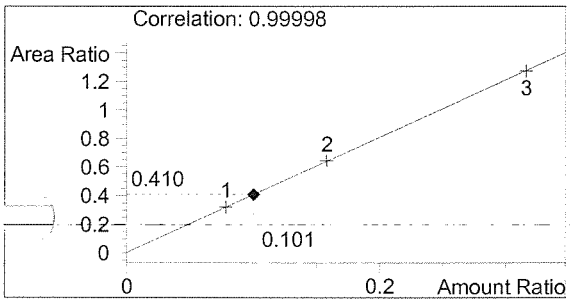
03029sim sol al
alouis

vial # 7

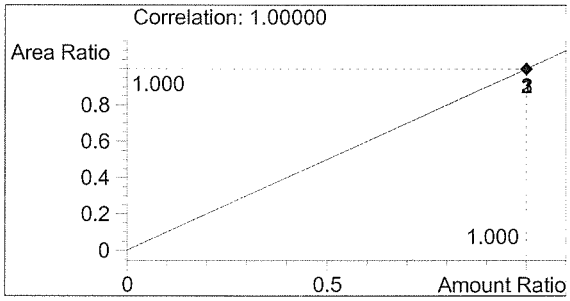



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1466 | 1.037 |
| 2 | n-Propanol | 3575 | 1.688 |

Totals:




Ethanol 0.101 g/100ml



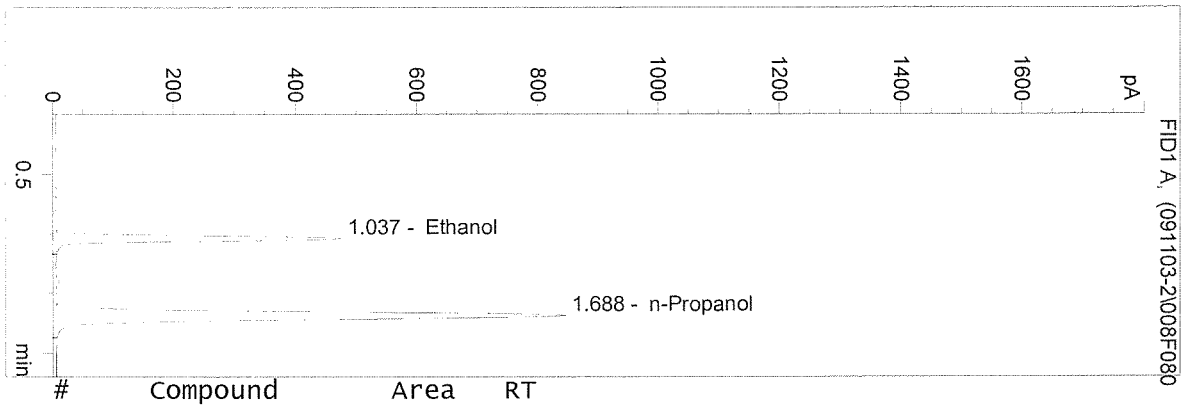

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

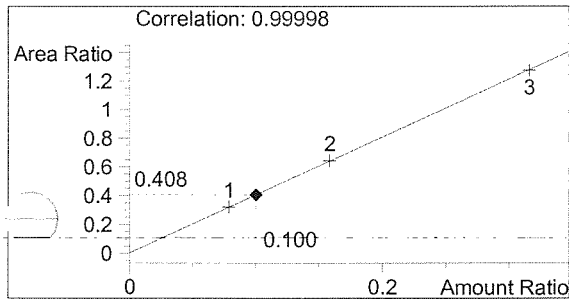
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/11/03 8:52:46 AM
Instrument 2
ALC1

0.10 CONTROL
alouis

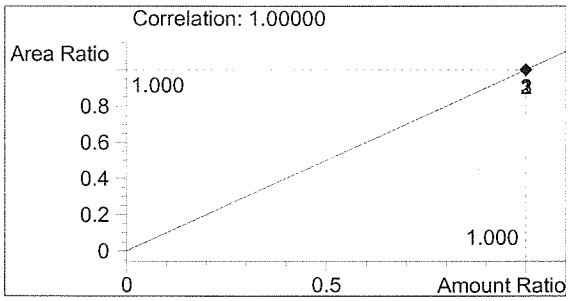
vial # 8




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1457 | 1.037 |
| 2 | n-Propanol | 3574 | 1.688 |
| Totals: | | | |




Ethanol 0.100 g/100ml



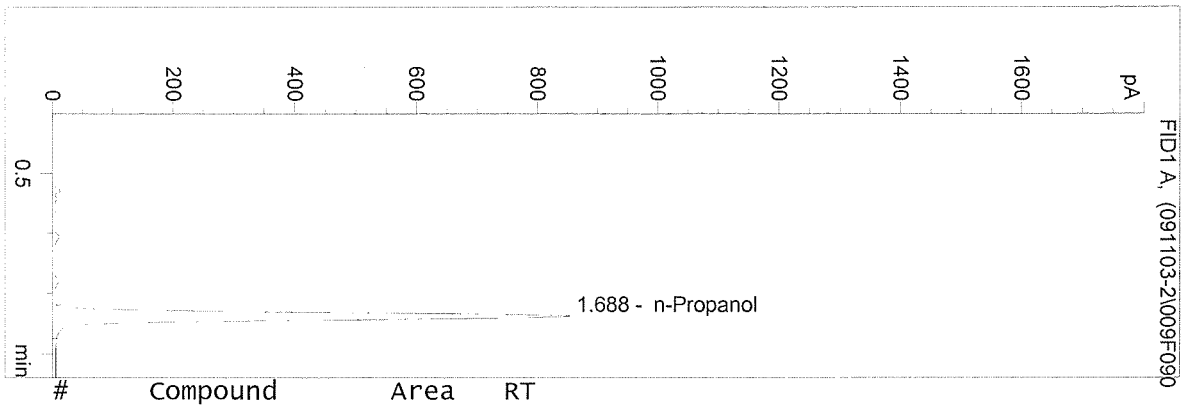

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/11/03 8:56:10 AM
Instrument 2
ALC1

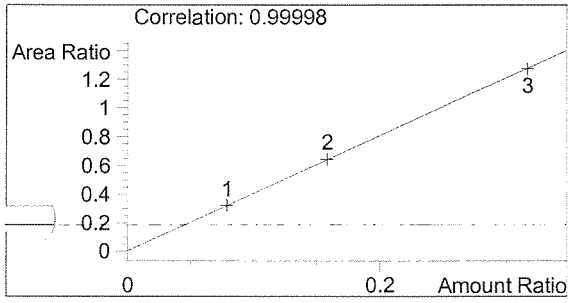
BLANK
alouis

vial # 9

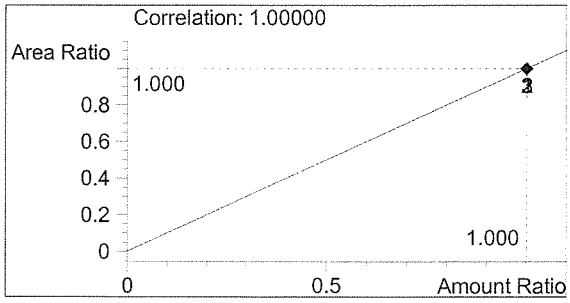



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3606 | 1.688 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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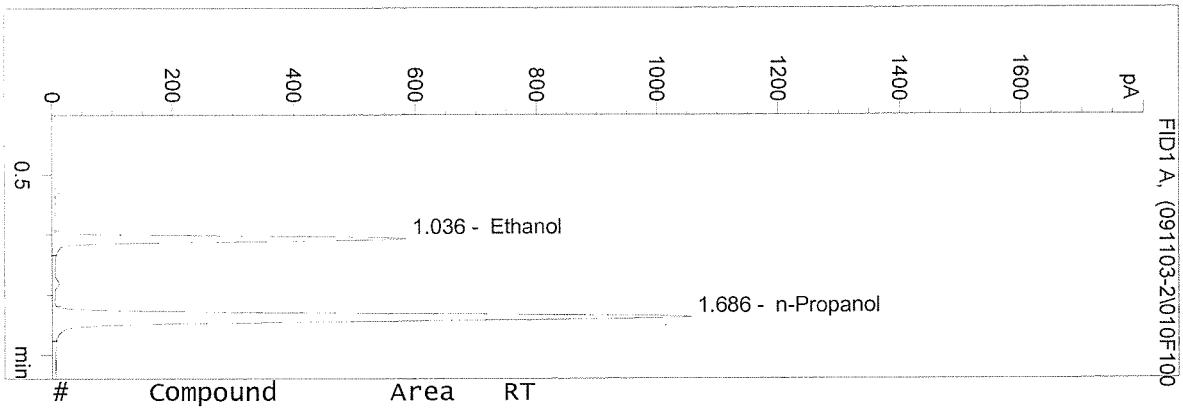
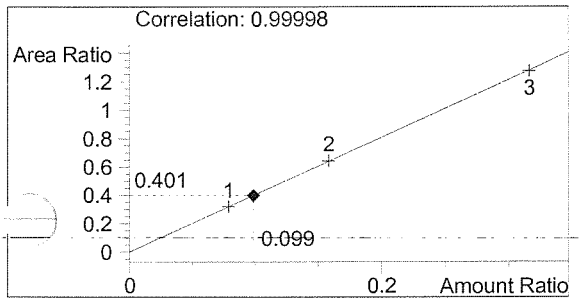
9/11/03 8:59:12 AM
Instrument 2
ALC1

03029sim sol mw
alouis

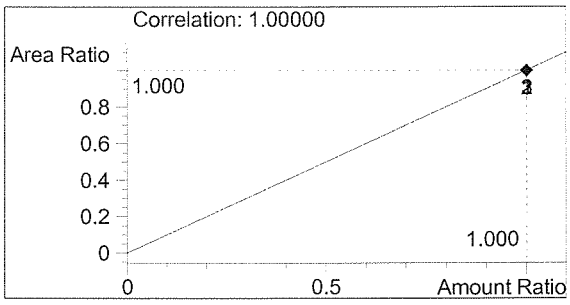
vial # 10




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1800 | 1.036 |
| 2 | n-Propanol | 4484 | 1.686 |
| Totals: | | | |




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

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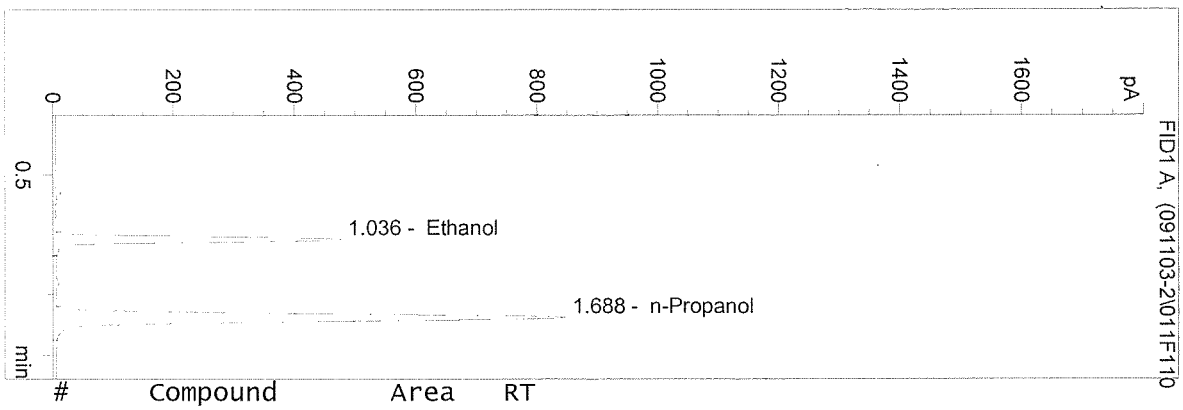
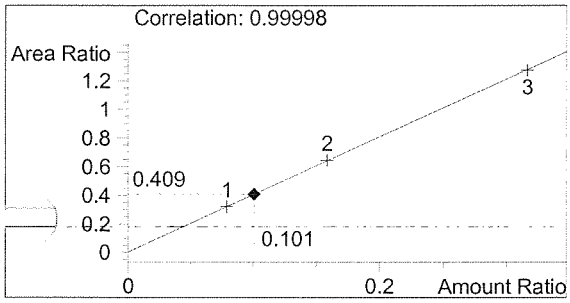
9/11/03 9:02:14 AM
Instrument 2
ALC1

03029sim sol mw
alouis

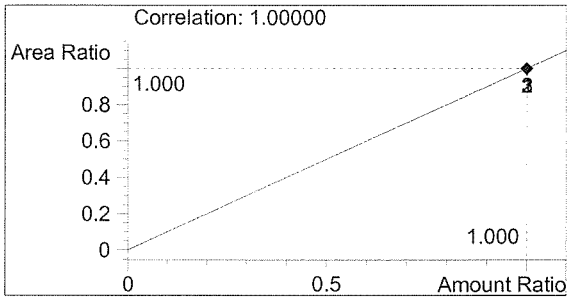
vial # 11




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1465 | 1.036 |
| 2 | n-Propanol | 3583 | 1.688 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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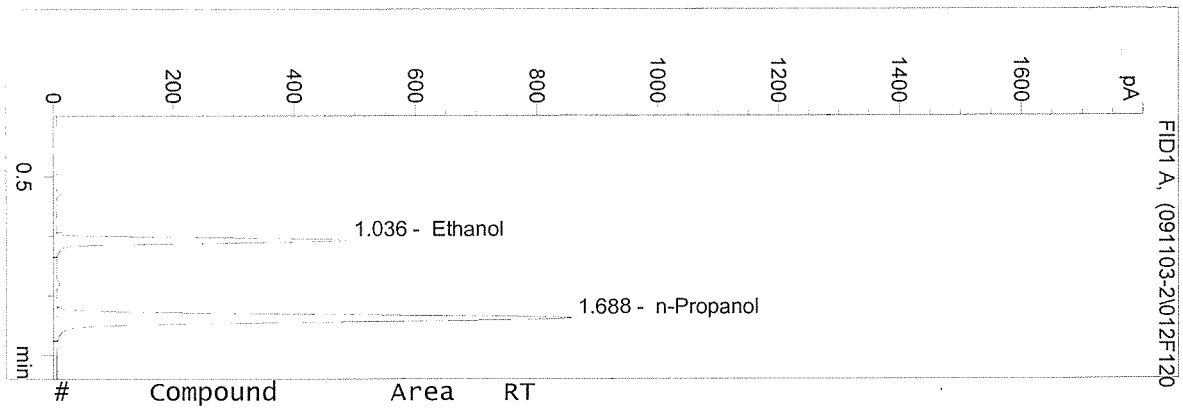
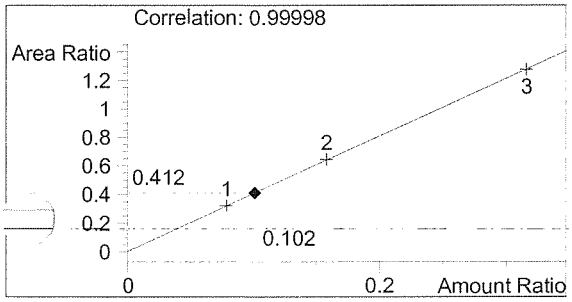
9/11/03 9:05:15 AM
Instrument 2
ALC1

03029sim sol mw
alouis

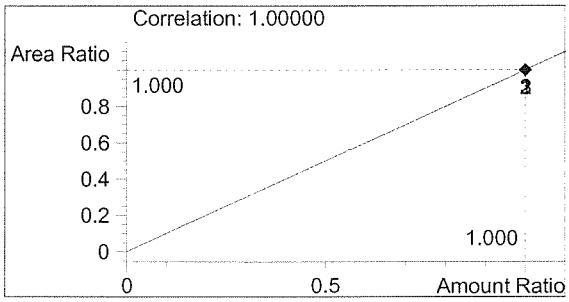
vial # 12




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1494 | 1.036 |
| 2 | n-Propanol | 3622 | 1.688 |
| Totals: | | | |




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

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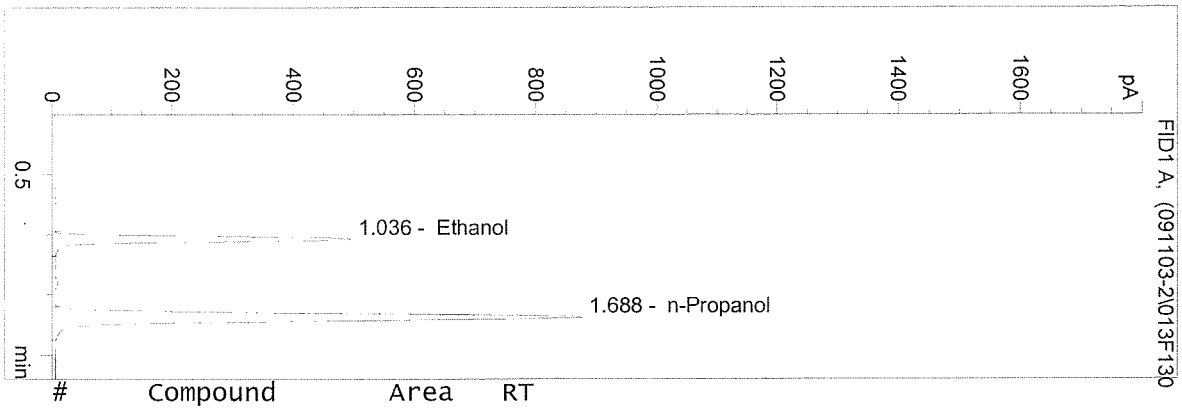
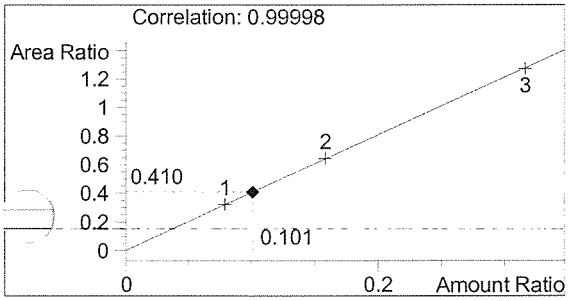
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/11/03 9:08:39 AM
Instrument 2
ALC1

03029sim sol mw
alouis

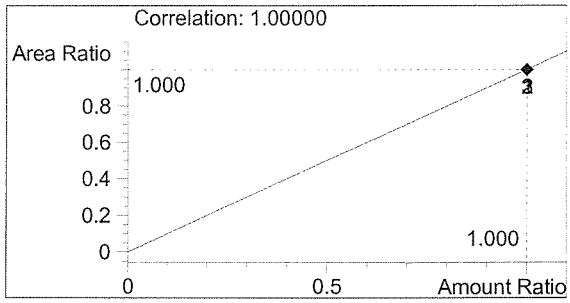
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1522 | 1.036 |
| 2 | n-Propanol | 3712 | 1.688 |
| Totals: | | | |




Ethanol 0.101 g/100ml



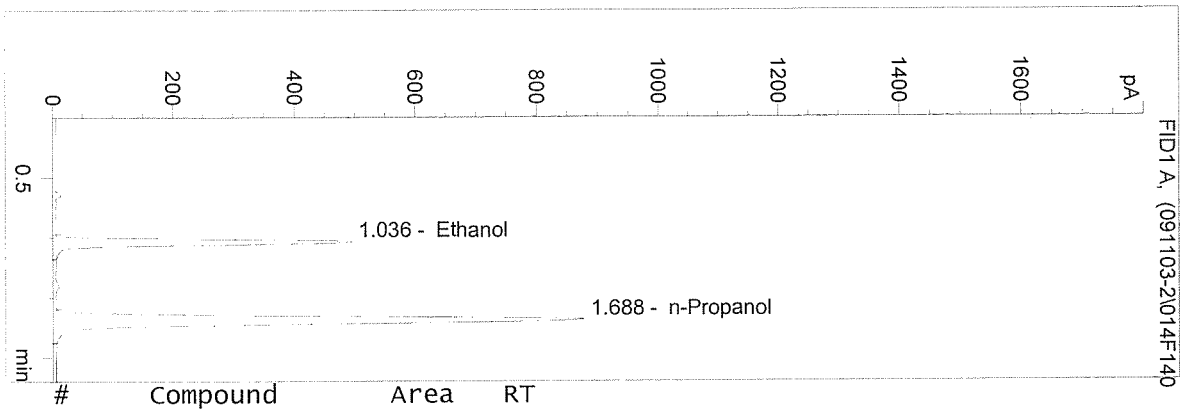

n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

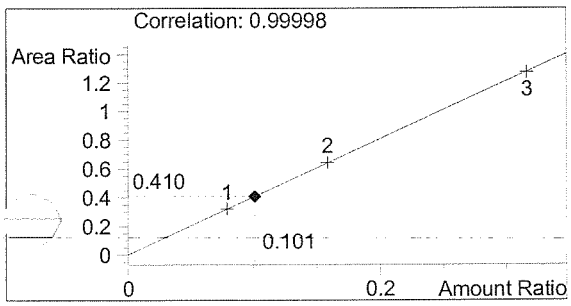
C:\HPCHEM\2\METHODS\BLDALCO2.M
9/11/03 9:11:40 AM
Instrument 2
ALC1

03029sim sol mw
alouis

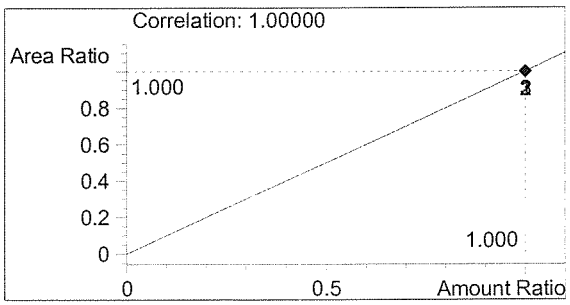
vial # 14




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1519 | 1.036 |
| 2 | n-Propanol | 3707 | 1.688 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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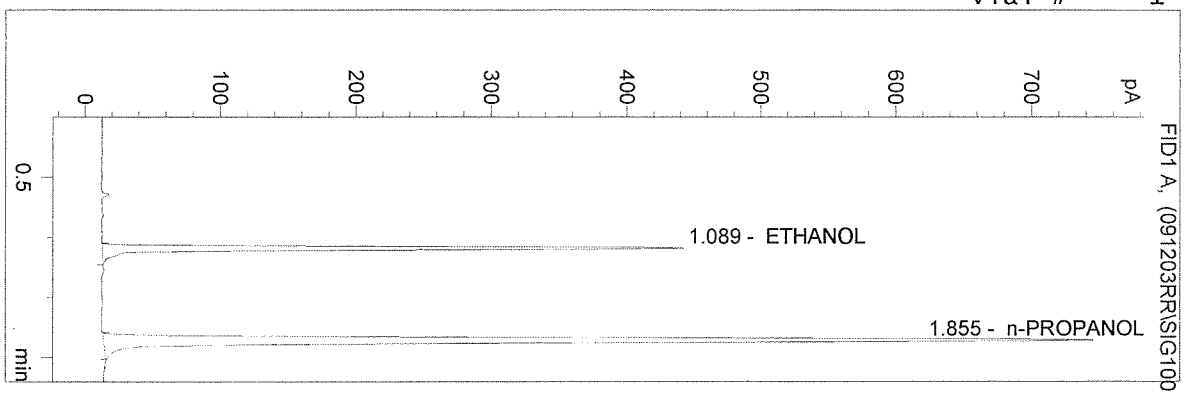
9/12/03 9:38:34 AM
Instrument 3

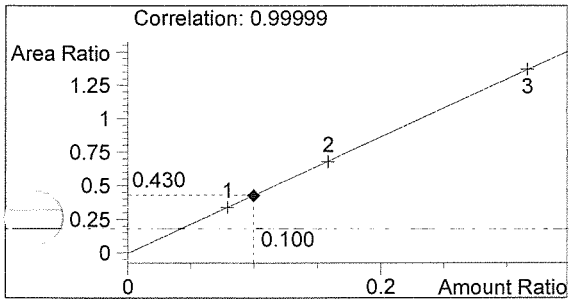
03029 sim soln
m pemberton

vial # 1

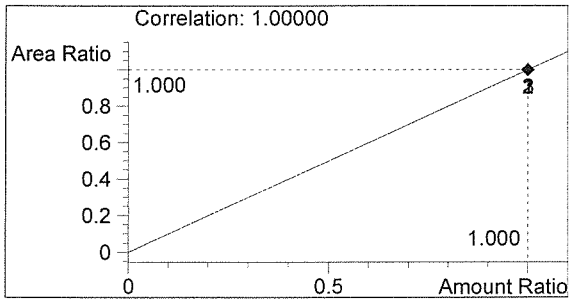



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 892 | 1.089 |
| 2 | n-PROPANOL | 2075 | 1.855 |

Totals:




ETHANOL 0.100 g/100mL



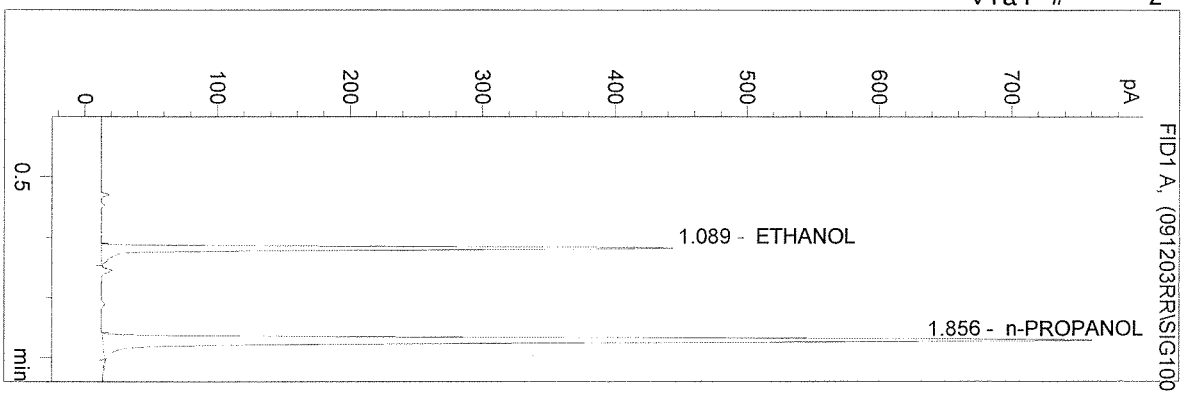

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:41:38 AM
Instrument 3

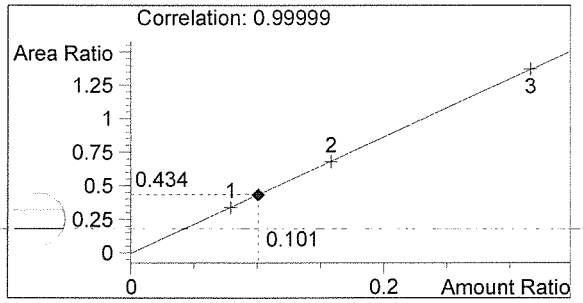
03029 sim soln
m pemberton

vial # 2

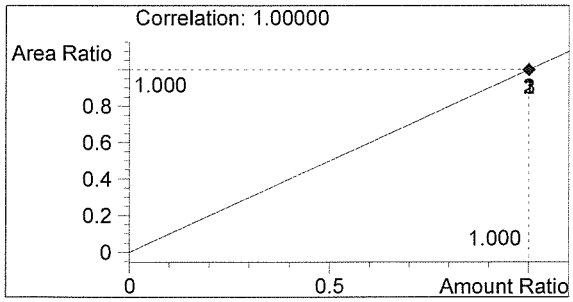



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 928 | 1.089 |
| 2 | n-PROPANOL | 2135 | 1.856 |

Totals:




ETHANOL 0.101 g/100mL



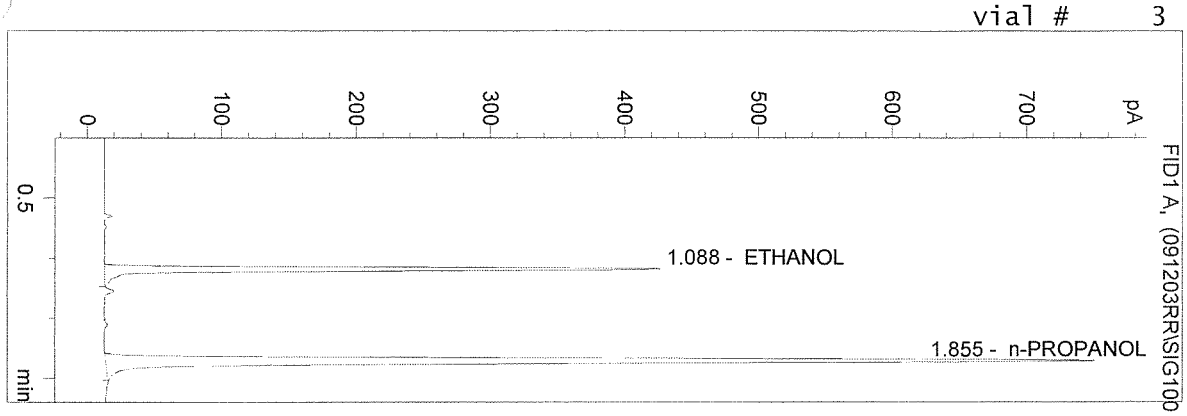

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:44:42 AM
Instrument 3

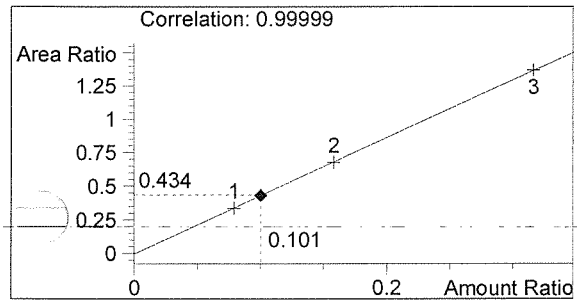
03029 sim soln
m pemberton

vial # 3

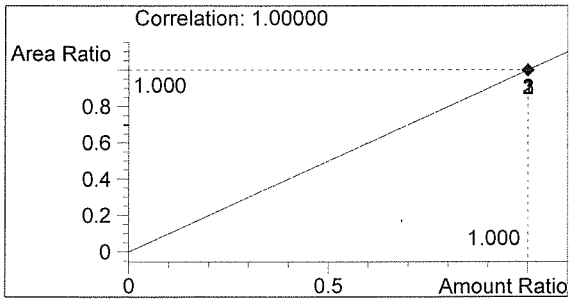



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 922 | 1.088 |
| 2 | n-PROPANOL | 2126 | 1.855 |

Totals:




ETHANOL 0.101 g/100mL



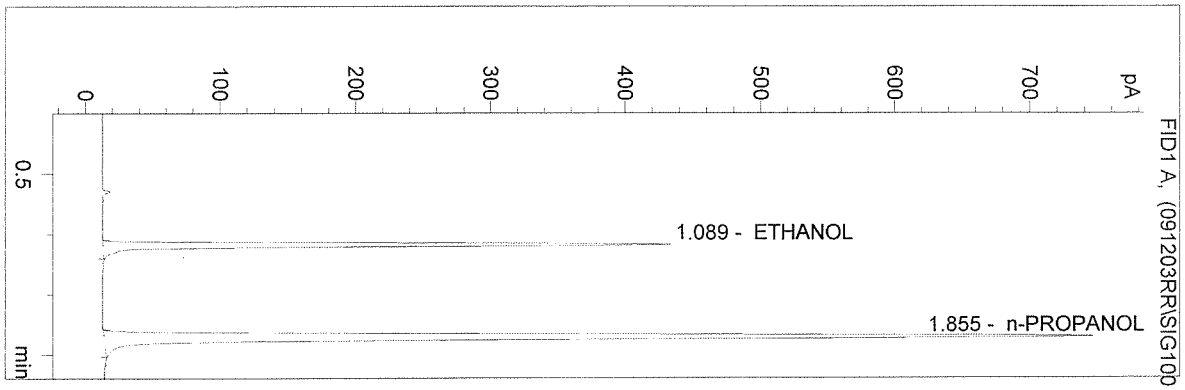

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:47:47 AM
Instrument 3

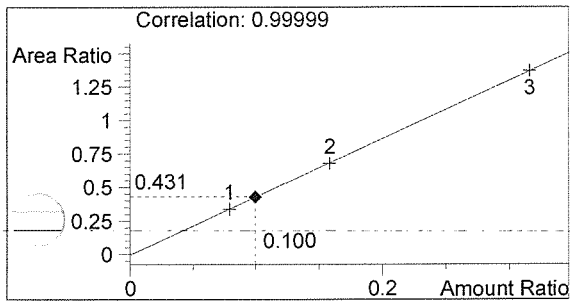
03029 sim soln
m pemberton

vial # 4

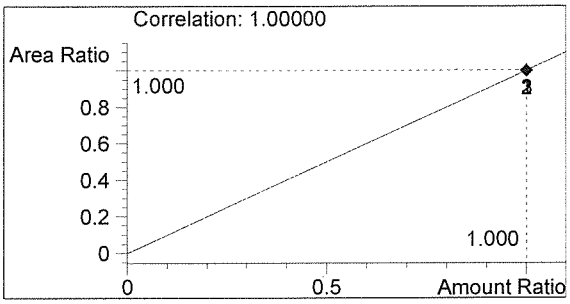



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 900 | 1.089 |
| 2 | n-PROPANOL | 2090 | 1.855 |

Totals:




ETHANOL 0.100 g/100mL



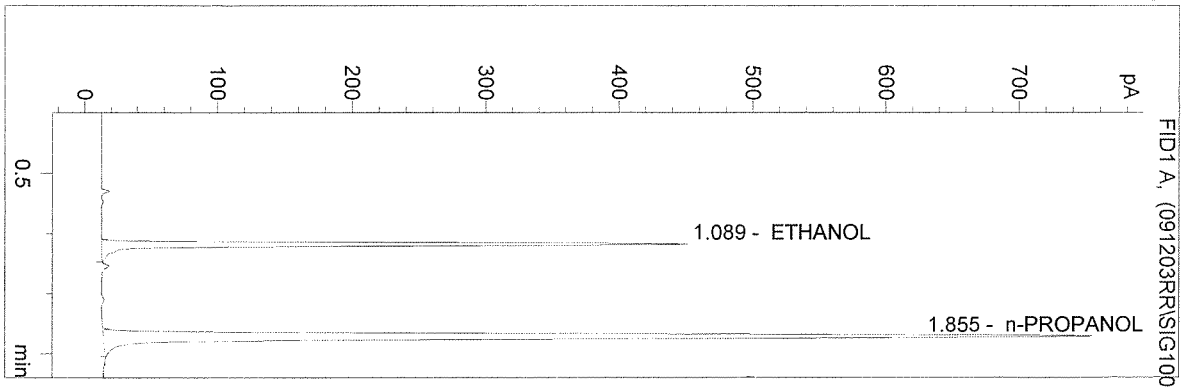

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:51:15 AM
Instrument 3

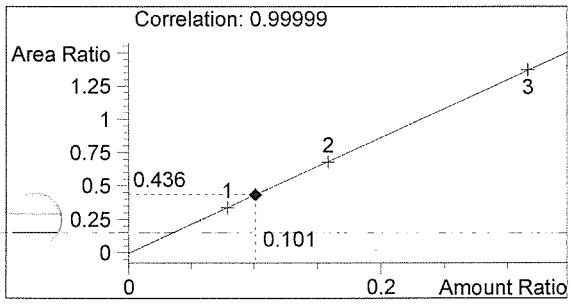
03029 sim soln
m pemberton

vial # 5

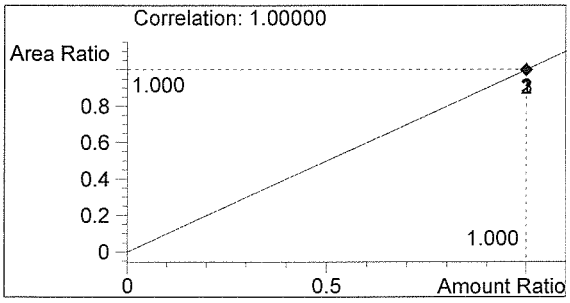



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 919 | 1.089 |
| 2 | n-PROPANOL | 2106 | 1.855 |

Totals:




ETHANOL 0.101 g/100mL



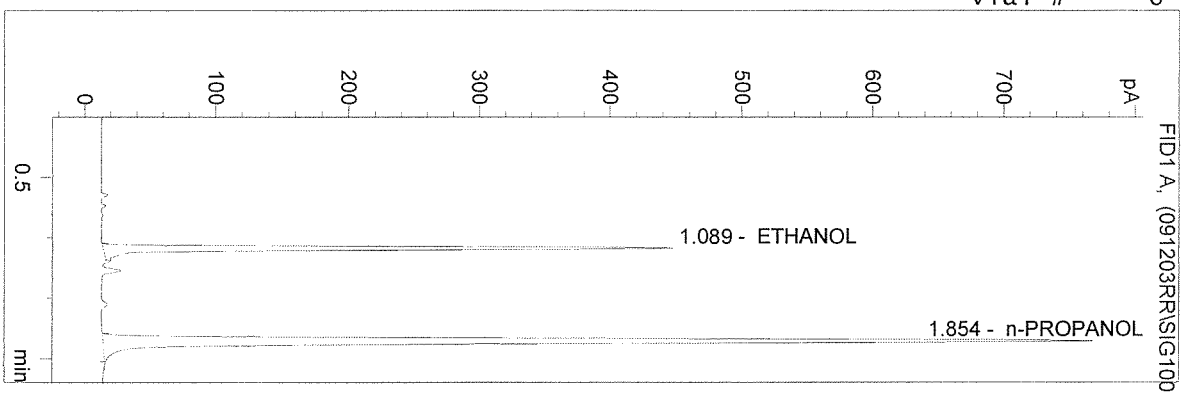

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:54:19 AM
Instrument 3

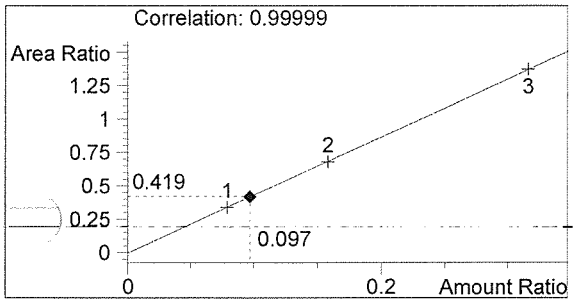
0.10 control
m pemberton

vial # 6

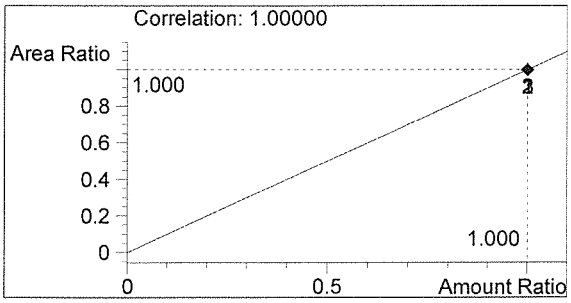



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 900 | 1.089 |
| 2 | n-PROPANOL | 2148 | 1.854 |

Totals:




ETHANOL 0.097 g/100mL



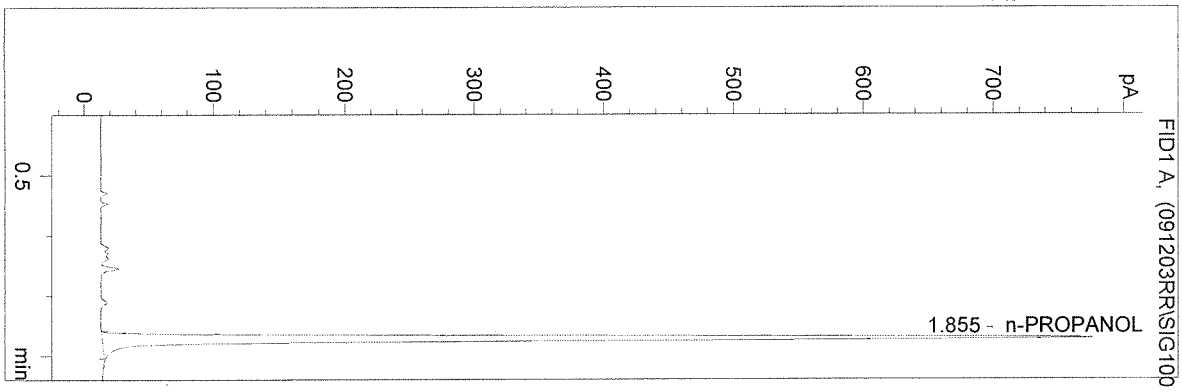

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/12/03 9:57:24 AM
Instrument 3

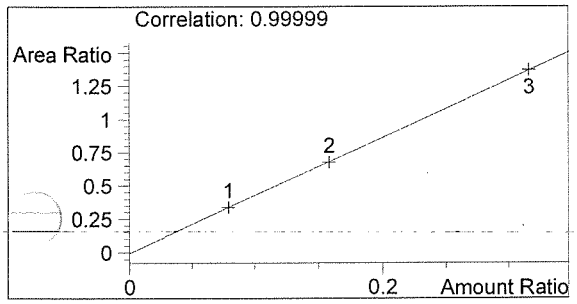
blk
m pemberton

vial # 7

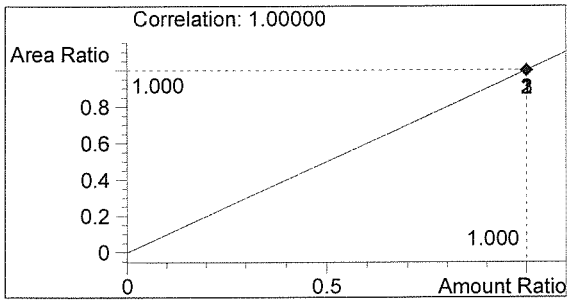



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 0 | 0.000 |
| 2 | n-PROPANOL | 2166 | 1.855 |

Totals:




ETHANOL 0.000 g/100mL



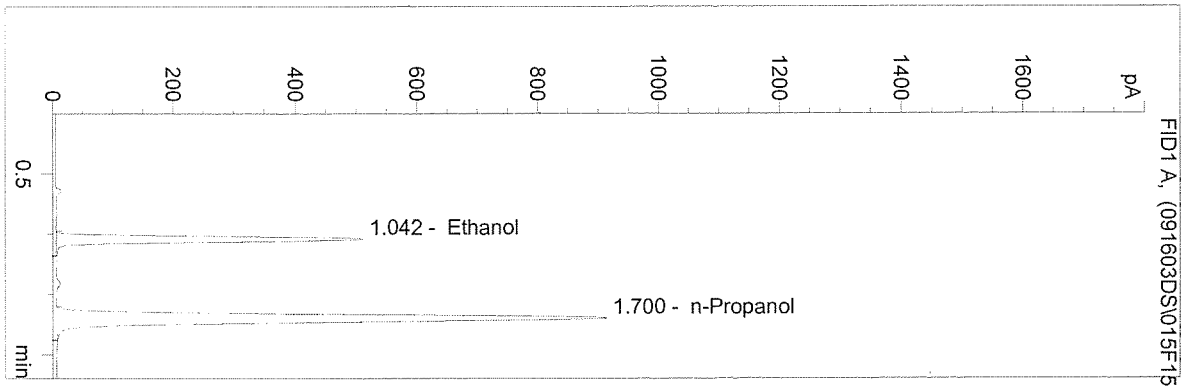

n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

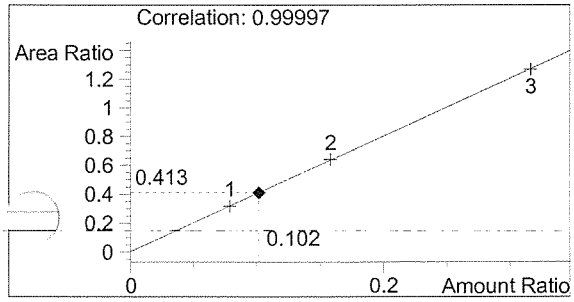
C:\HPCHEM\1\METHODS\BLDALCO.M
9/16/03 12:48:31 PM
Instrument 1
ALC1

03029 1
Dora Schranz

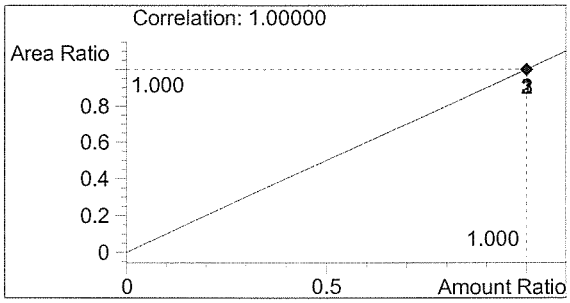
vial # 15




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1602 | 1.042 |
| 2 | n-Propanol | 3880 | 1.700 |
| Totals: | | | |




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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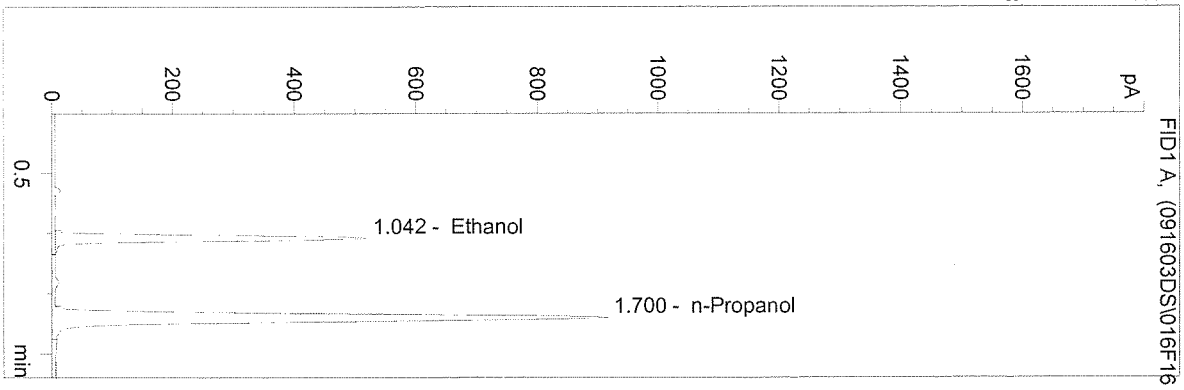
Instrument 1
ALC1

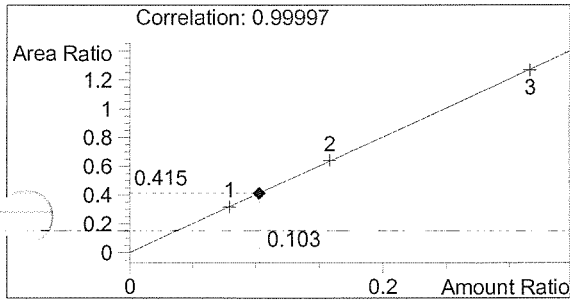
03029 2
Dora Schranz

vial # 16

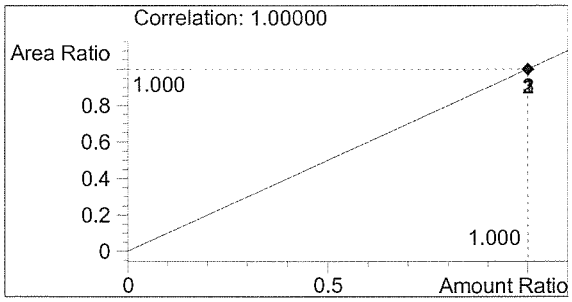



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1615 | 1.042 |
| 2 | n-Propanol | 3892 | 1.700 |

Totals:




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

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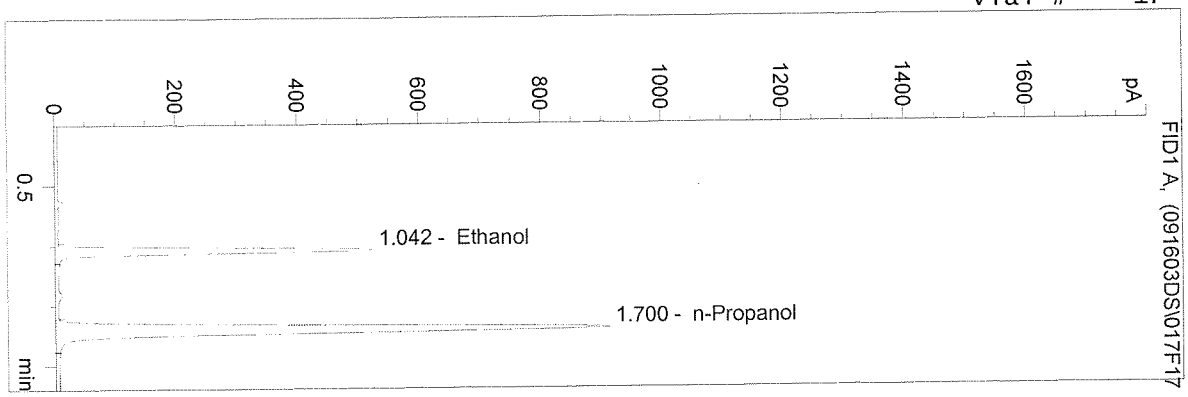
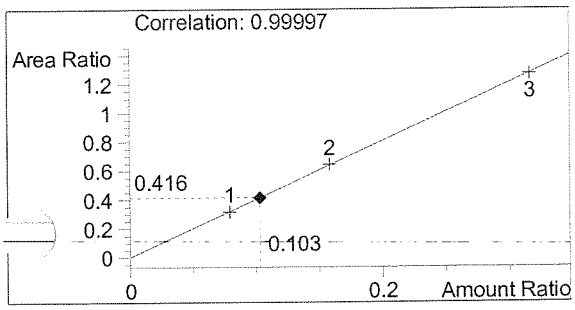
Instrument 1
-ALC1

03029 3
Dora Schranz

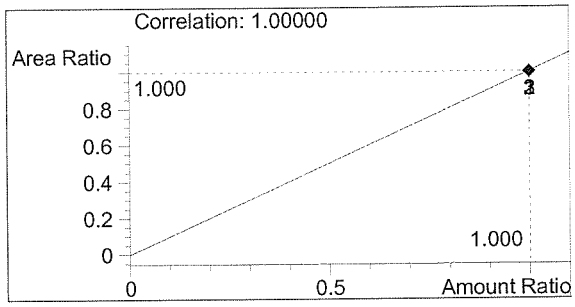
vial # 17




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1608 | 1.042 |
| 2 | n-Propanol | 3866 | 1.700 |
| Totals: | | | |




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

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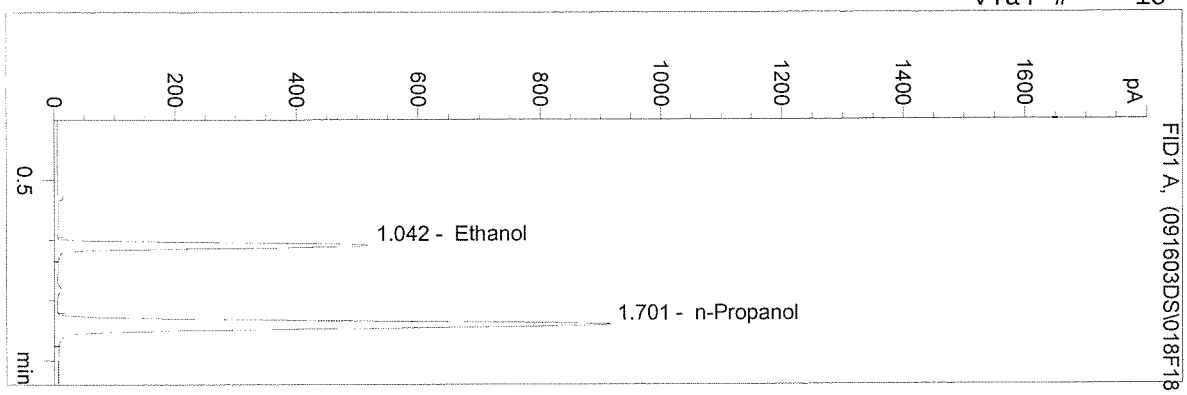
Instrument 1
ALC1

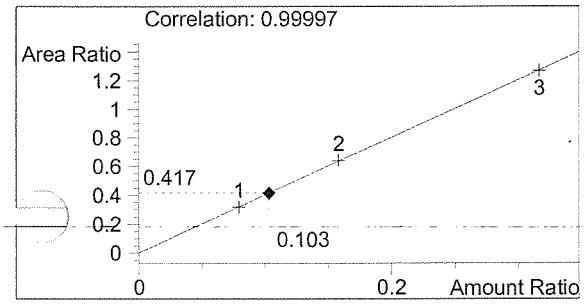
03029 4
Dora Schranz

vial # 18

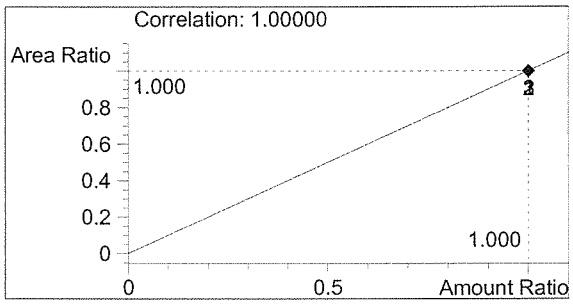



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1624 | 1.042 |
| 2 | n-Propanol | 3896 | 1.701 |

Totals:




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

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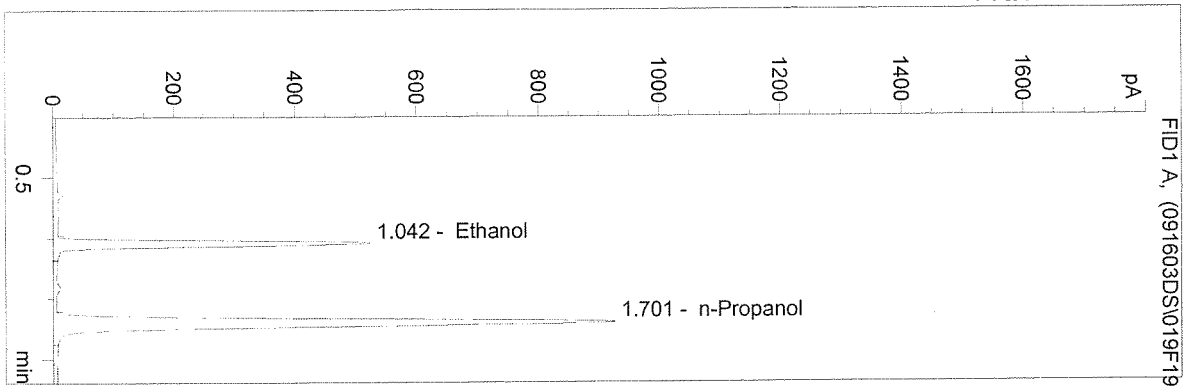
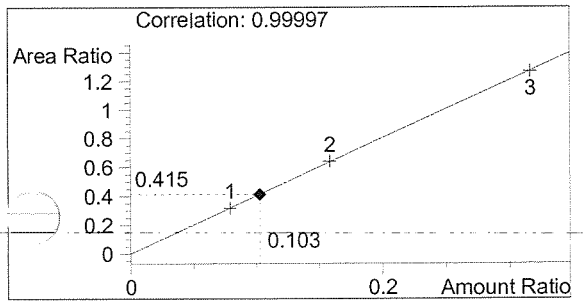
Instrument 1
ALC1

03029 5
Dora Schranz

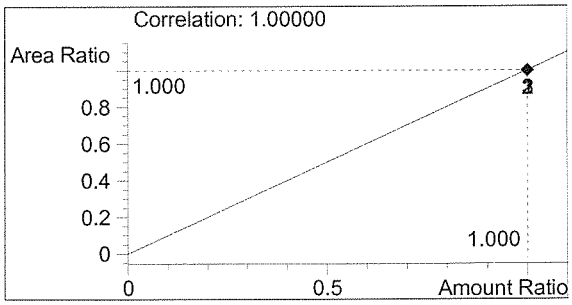
vial # 19




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1630 | 1.042 |
| 2 | n-Propanol | 3930 | 1.701 |
| Totals: | | | |




Ethanol 0.103 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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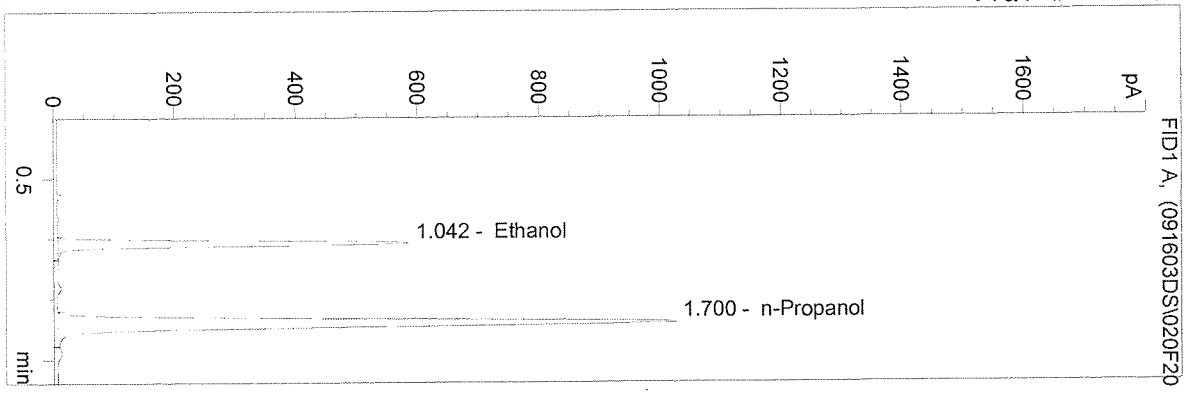
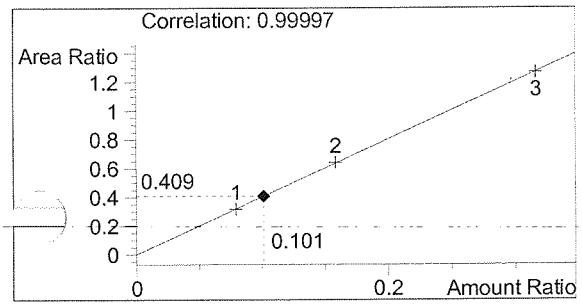
Instrument 1
ALC1

0.1 CONTROL
Dora Schranz

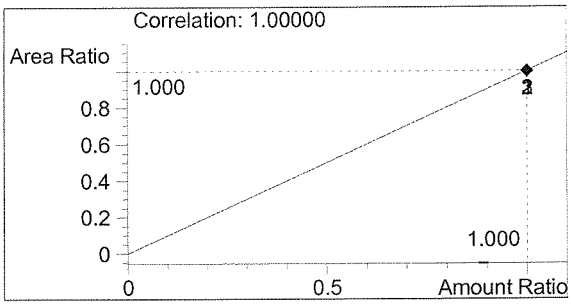
vial # 20




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1781 | 1.042 |
| 2 | n-Propanol | 4358 | 1.700 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
ALC1

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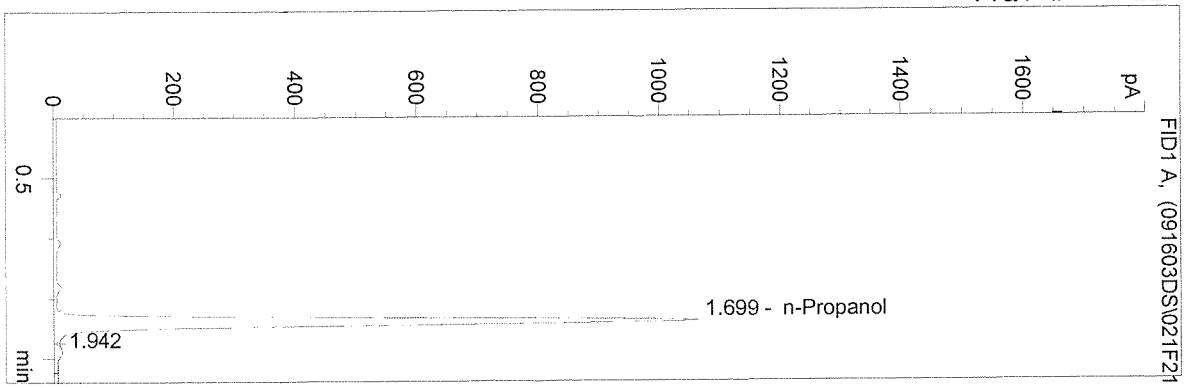
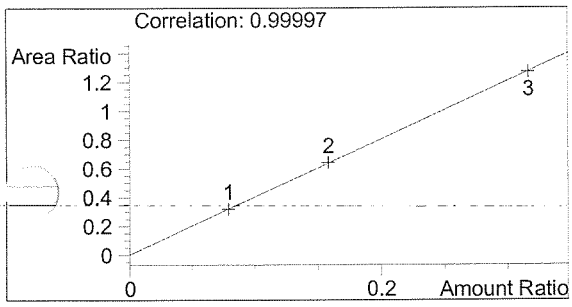
Dora Schranz

vial # 21

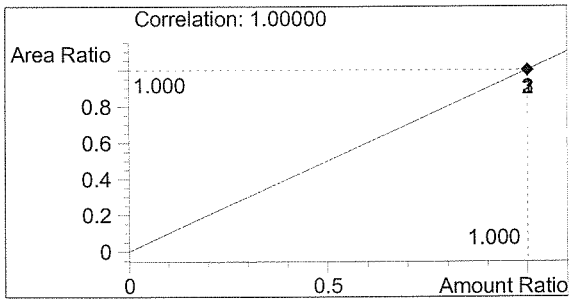



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 4505 | 1.699 |
| 3 | | 52 | 1.942 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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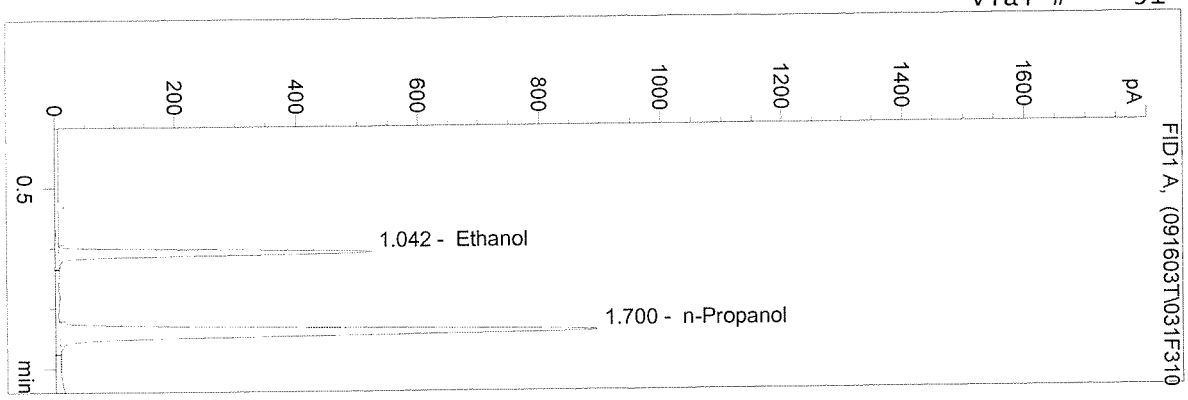
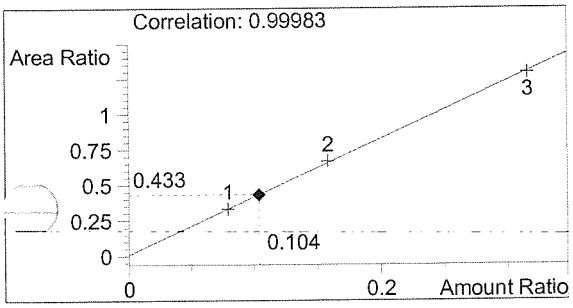
Instrument 1
ALC1

SimSoln 03029
Jayne E. Thatcher

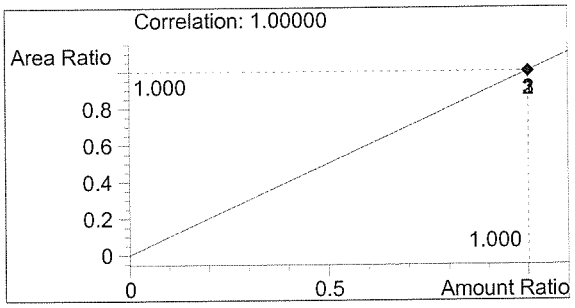
vial # 31




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1646 | 1.042 |
| 2 | n-Propanol | 3803 | 1.700 |
| Totals: | | | |




Ethanol 0.104 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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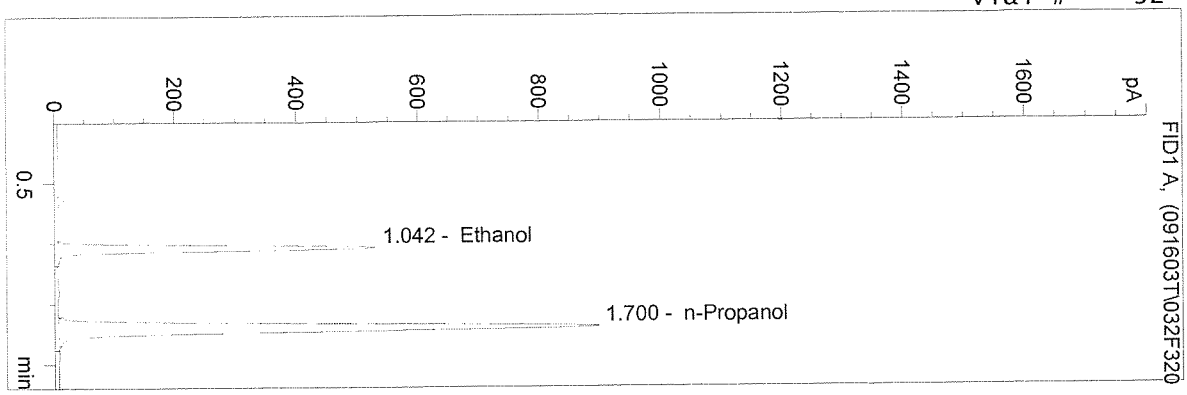
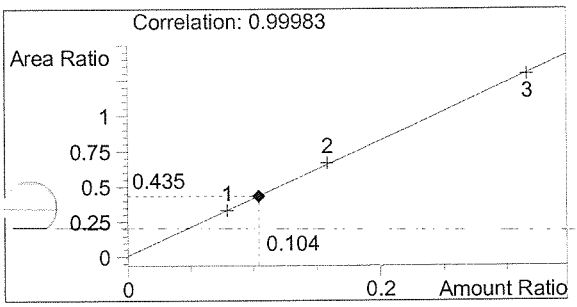
Instrument 1
ALC1

SimSoln 03029
Jayne E. Thatcher

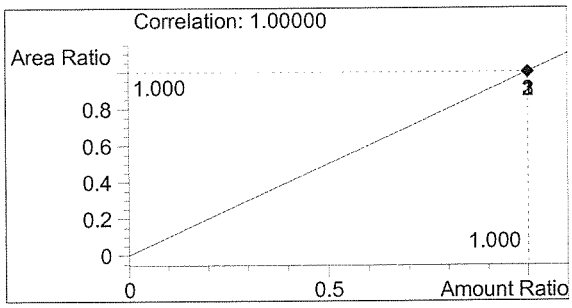
vial # 32




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1653 | 1.042 |
| 2 | n-Propanol | 3804 | 1.700 |
| Totals: | | | |




Ethanol 0.104 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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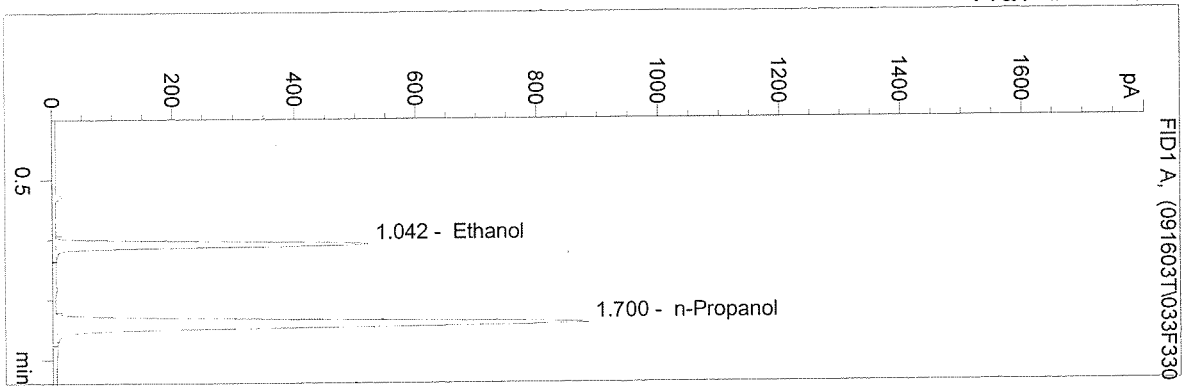
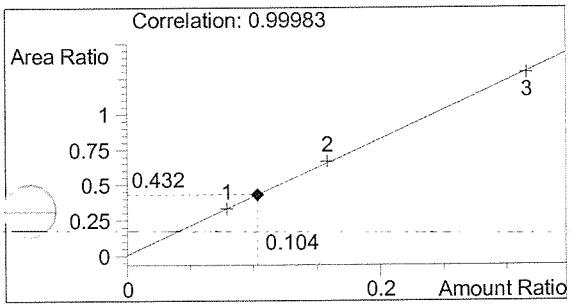
Instrument 1
ALC1

SimSoln 03029
Jayne E. Thatcher

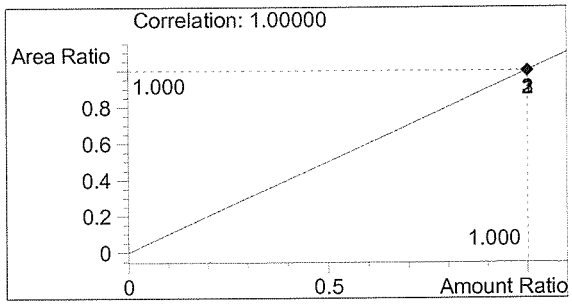
vial # 33




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1619 | 1.042 |
| 2 | n-Propanol | 3745 | 1.700 |
| Totals: | | | |




Ethanol 0.104 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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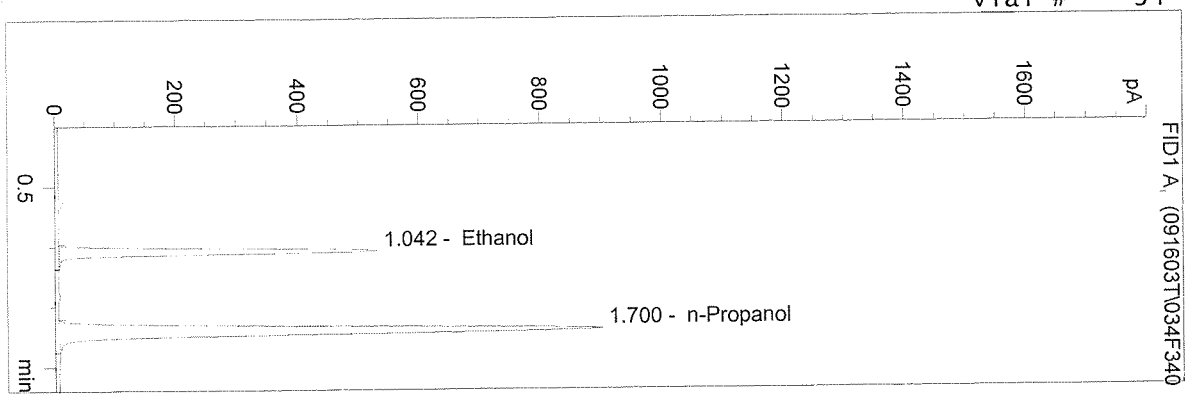
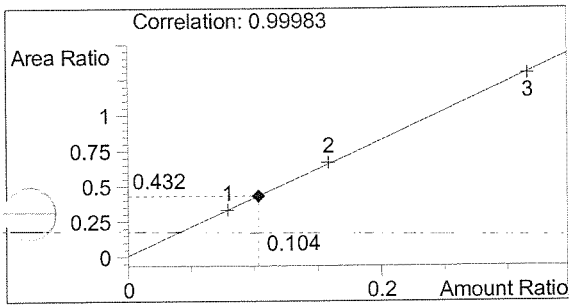
Instrument 1
ALC1

SimSoln 03029
Jayne E. Thatcher

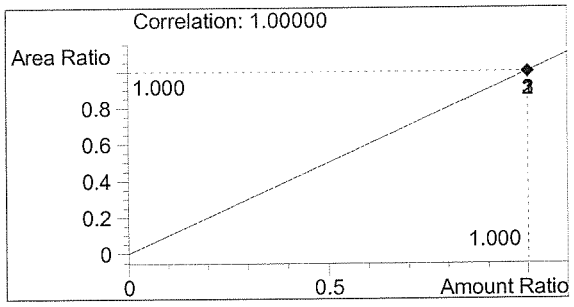
vial # 34




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1654 | 1.042 |
| 2 | n-Propanol | 3827 | 1.700 |
| Totals: | | | |




Ethanol 0.104 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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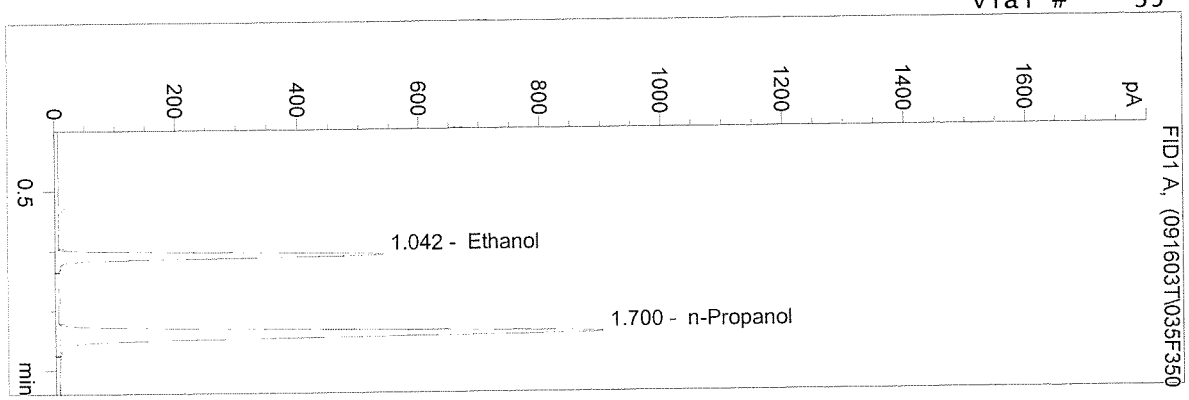
Instrument 1
ALC1

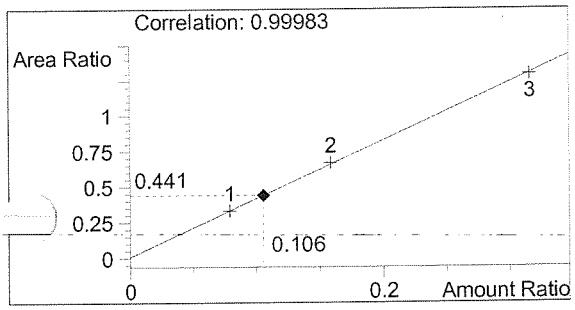
SimSoln 03029
Jayne E. Thatcher

vial # 35

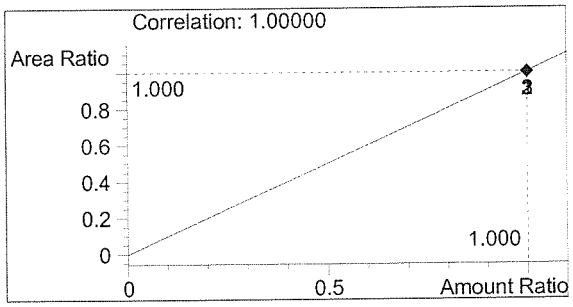



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1688 | 1.042 |
| 2 | n-Propanol | 3828 | 1.700 |

Totals:




Ethanol 0.106 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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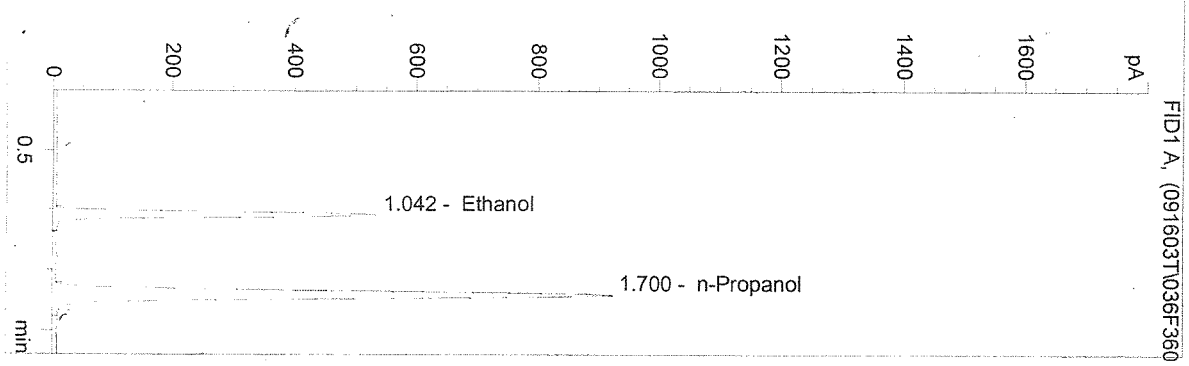
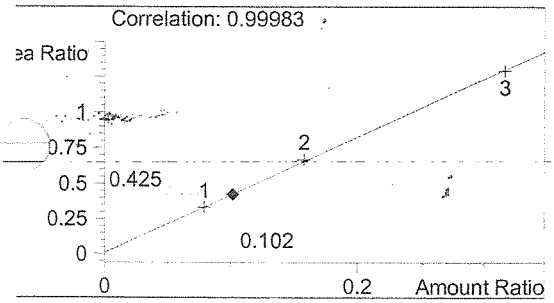
/03 4:50:56 PM
istrument 1
-ALC1

0.10 CONTROL
Jayne E. Thatcher

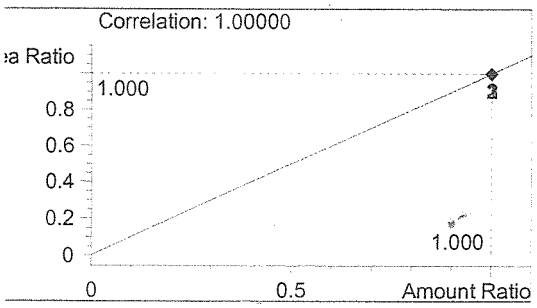
vial # 36




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1660 | 1.042 |
| 2 | n-Propanol | 3905 | 1.700 |
| Totals: | | | |




Ethanol 0.102 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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3-ALC1

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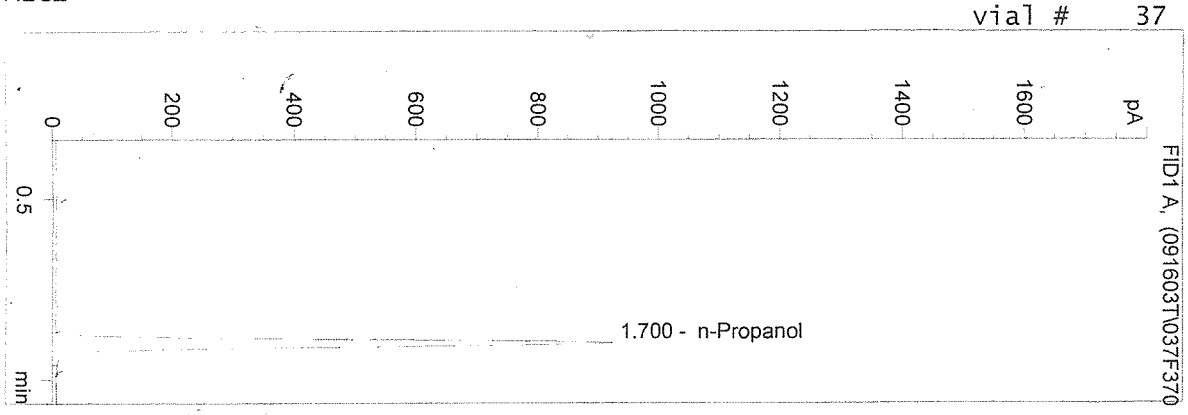
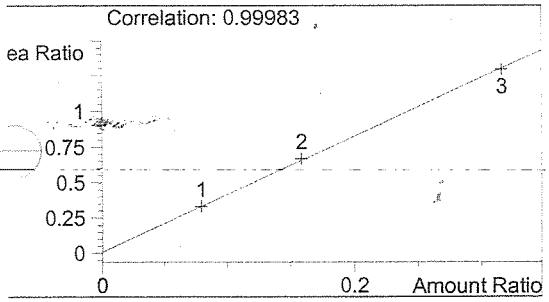
Jayne E. Thatcher

vial # 37

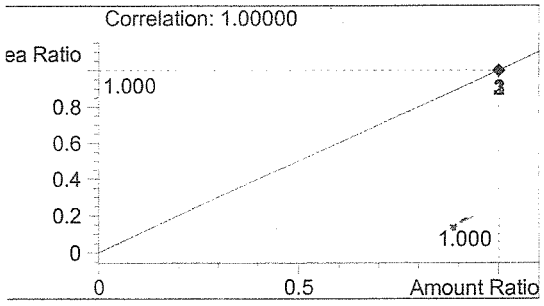



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 3940 | 1.700 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3

03029
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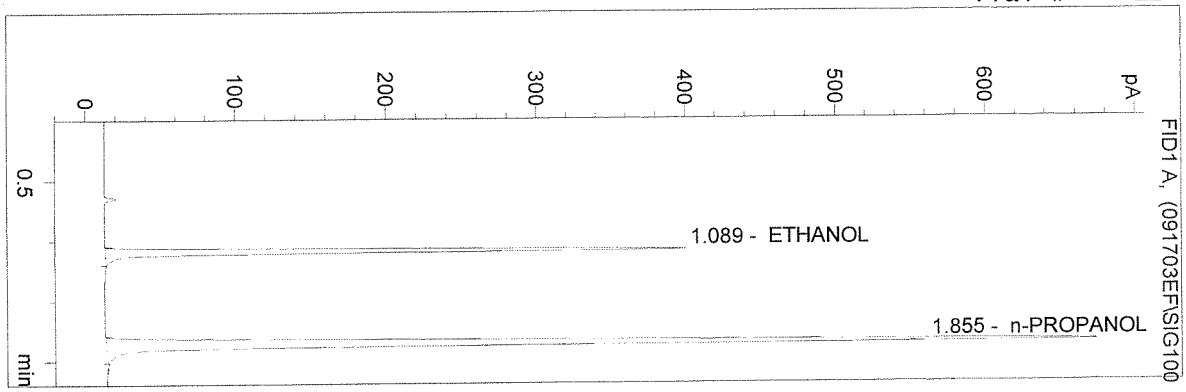
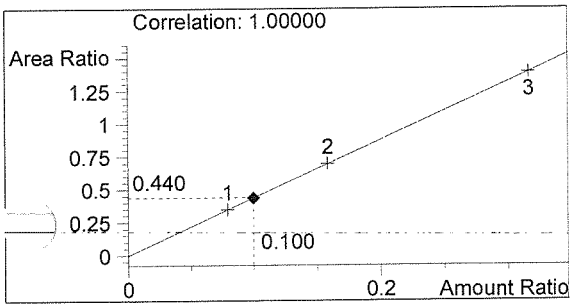
vial # 12

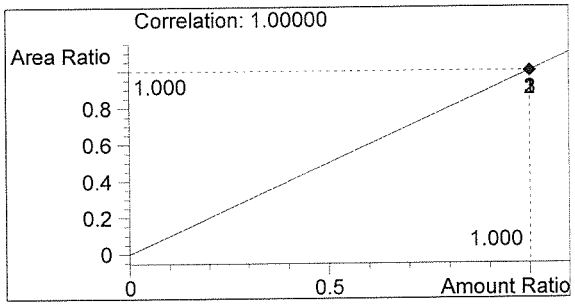



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 836 | 1.089 |
| 2 | n-PROPANOL | 1900 | 1.855 |

Totals:




ETHANOL 0.100 g/100mL




n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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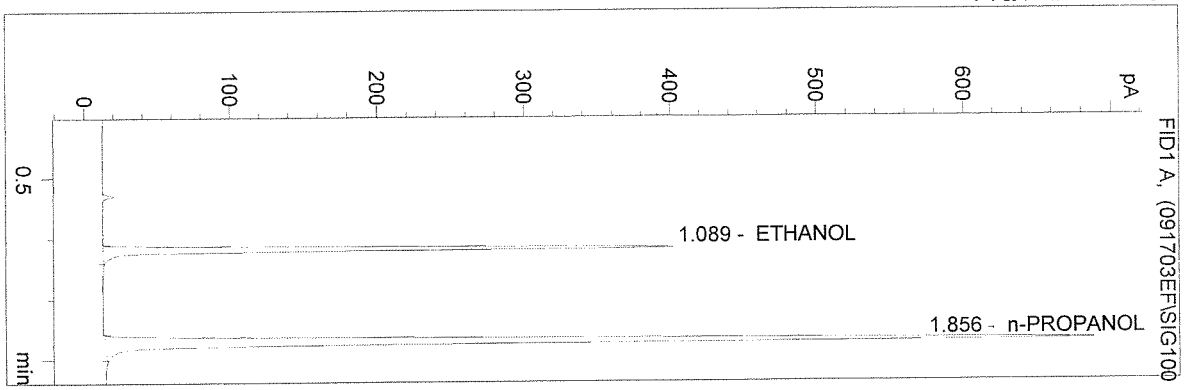
Instrument 3

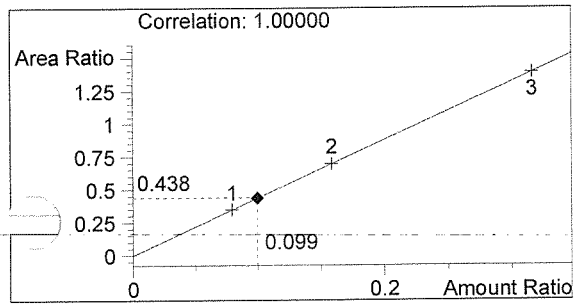
03029
ED FORMOSO

vial # 13

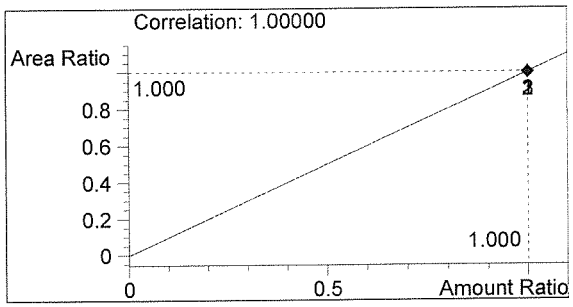



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 853 | 1.089 |
| 2 | n-PROPANOL | 1945 | 1.856 |

Totals:




ETHANOL 0.099 g/100mL




n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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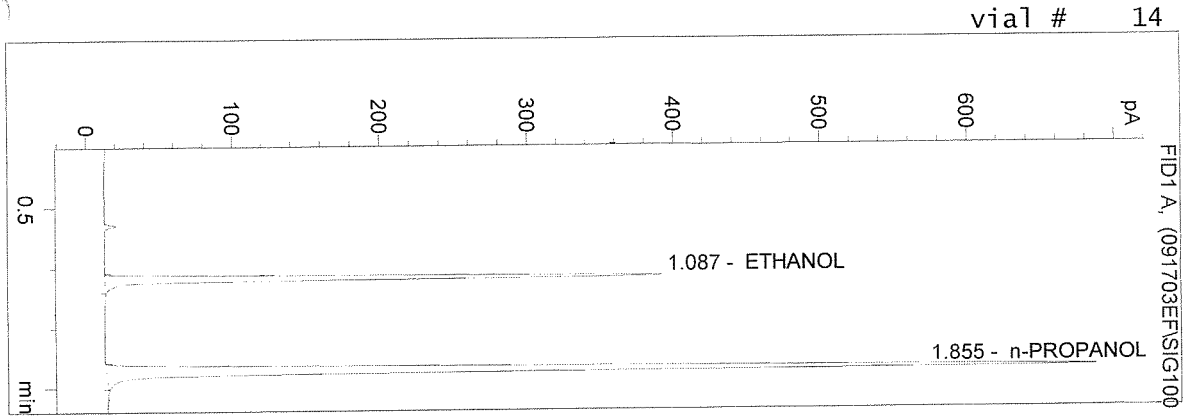
Instrument 3

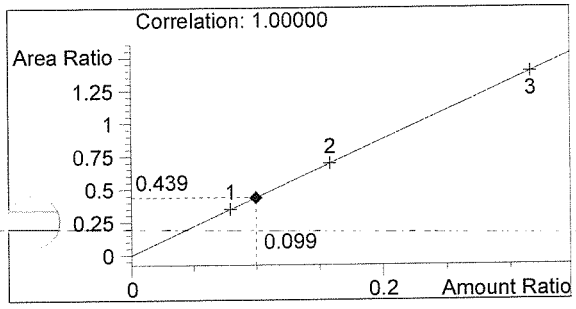
03029
ED FORMOSO

vial # 14

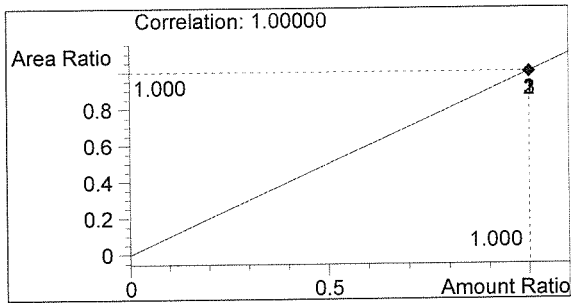



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 863 | 1.087 |
| 2 | n-PROPANOL | 1968 | 1.855 |

Totals:




ETHANOL 0.099 g/100mL




n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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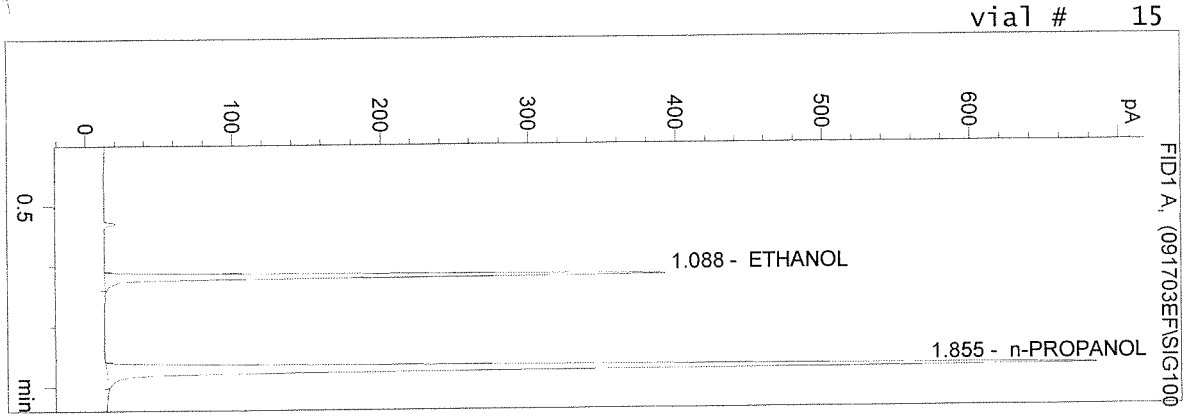
Instrument 3

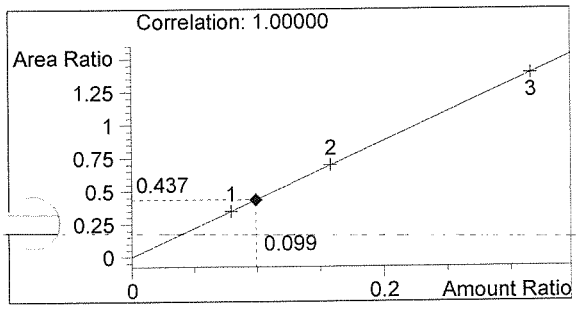
03029
ED FORMOSO

vial # 15

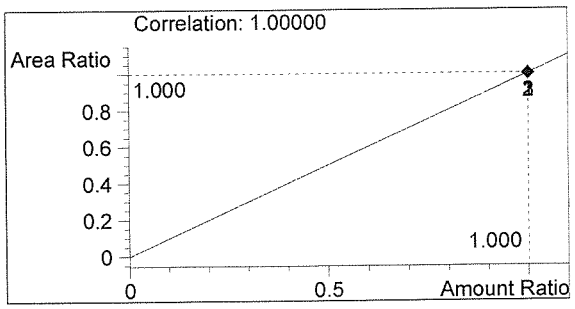



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 850 | 1.088 |
| 2 | n-PROPANOL | 1946 | 1.855 |

Totals:




ETHANOL 0.099 g/100mL




n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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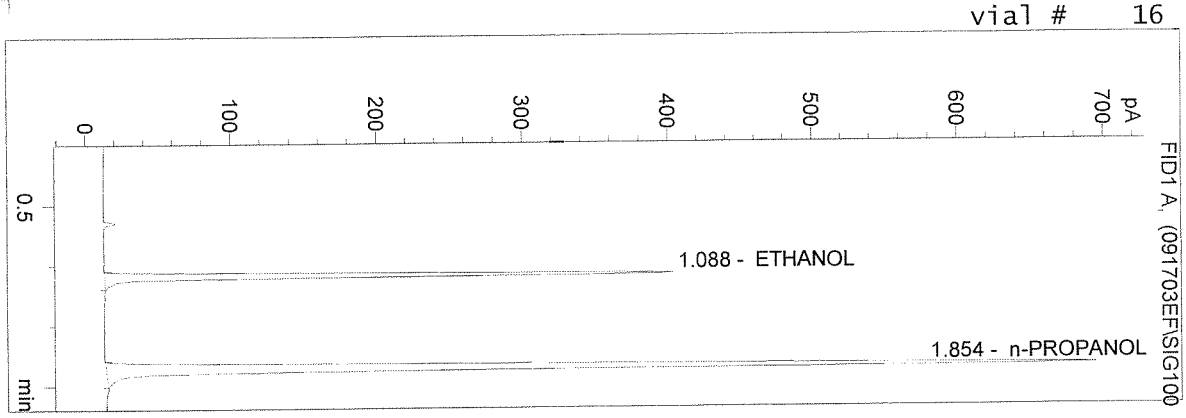
Instrument 3

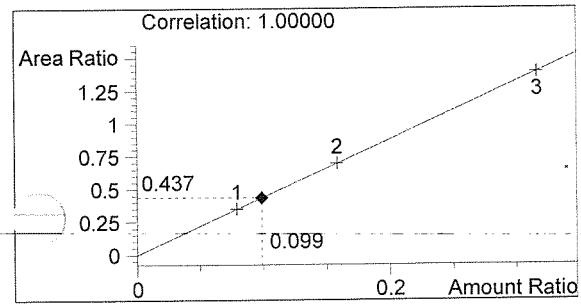
03029
ED FORMOSO

vial # 16

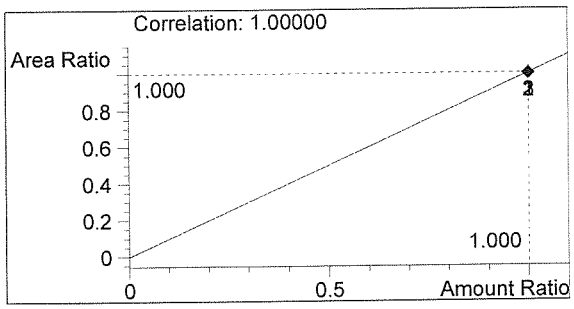



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 863 | 1.088 |
| 2 | n-PROPANOL | 1974 | 1.854 |

Totals:




ETHANOL 0.099 g/100mL




n-PROPANOL 1.000 g/100mL

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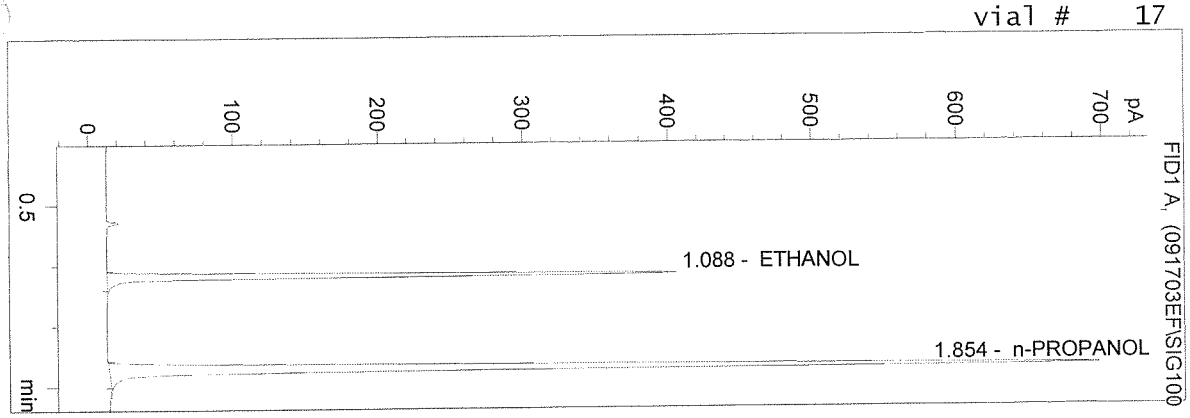
Instrument 3

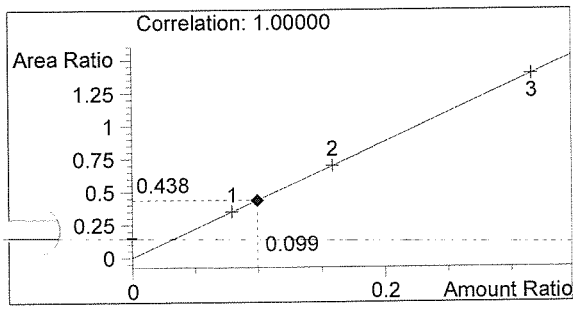
0.10 CONTROL
ED FORMOSO

vial # 17

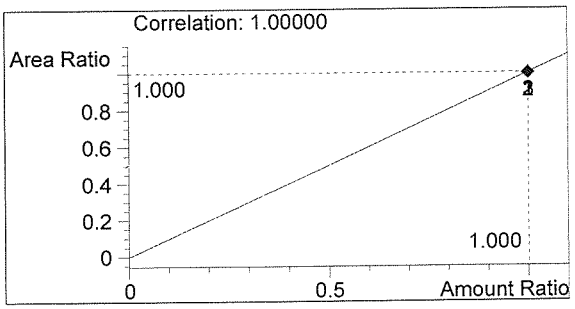



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | ETHANOL | 865 | 1.088 |
| 2 | n-PROPANOL | 1977 | 1.854 |

Totals:




ETHANOL 0.099 g/100mL




n-PROPANOL 1.000 g/100mL

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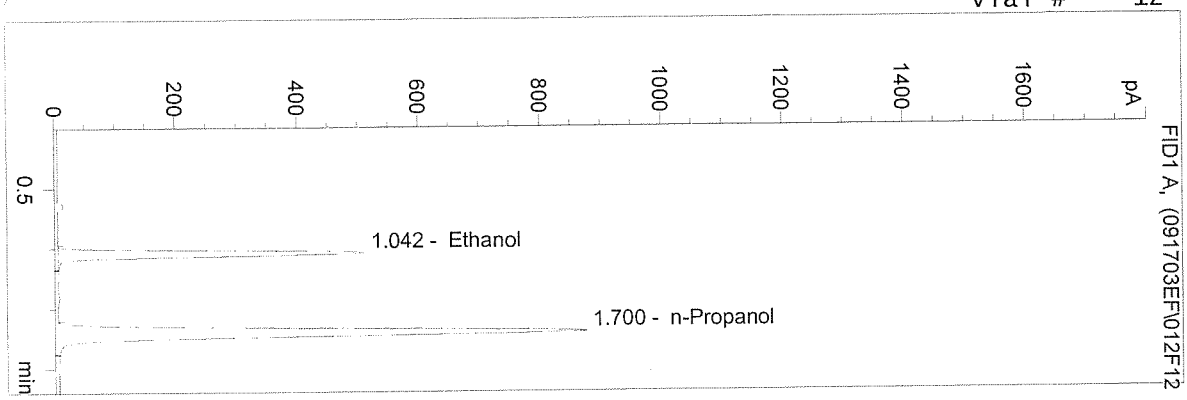
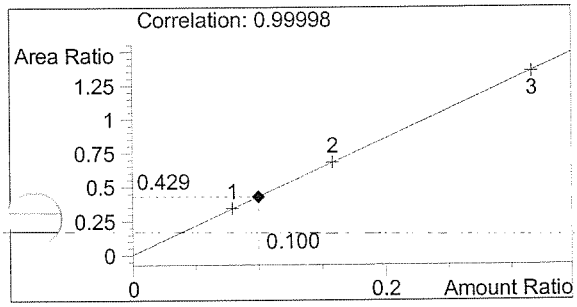
Instrument 1
ALC1

03029 AMG
ED FORMOSO

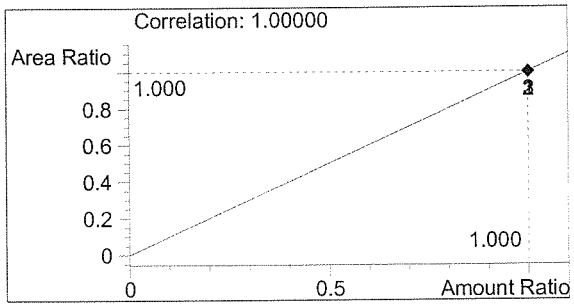
vial # 12




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1601 | 1.042 |
| 2 | n-Propanol | 3729 | 1.700 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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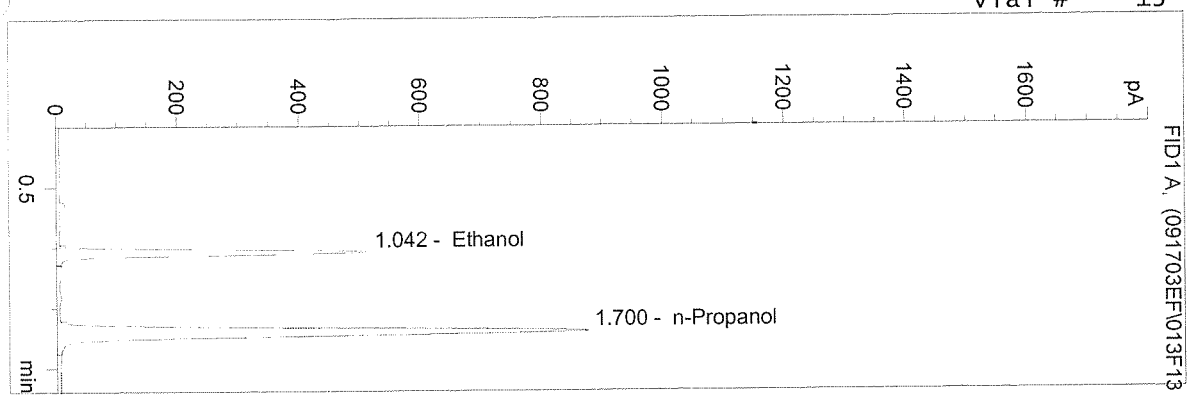
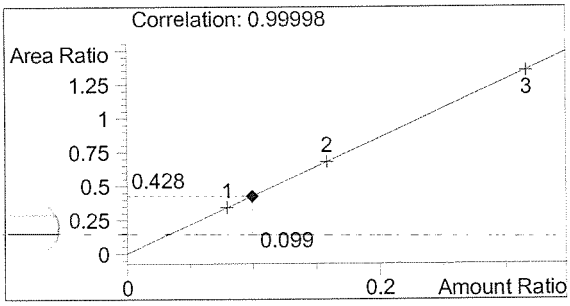
Instrument 1
ALC1

03029 AMG
ED FORMOSO

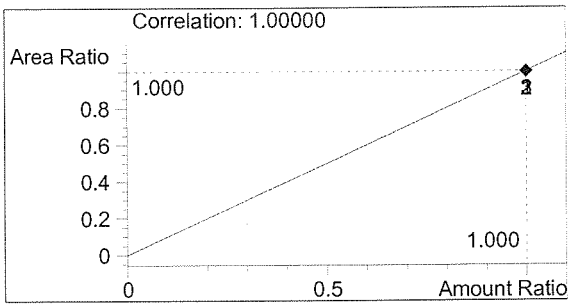
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1589 | 1.042 |
| 2 | n-Propanol | 3714 | 1.700 |
| Totals: | | | |




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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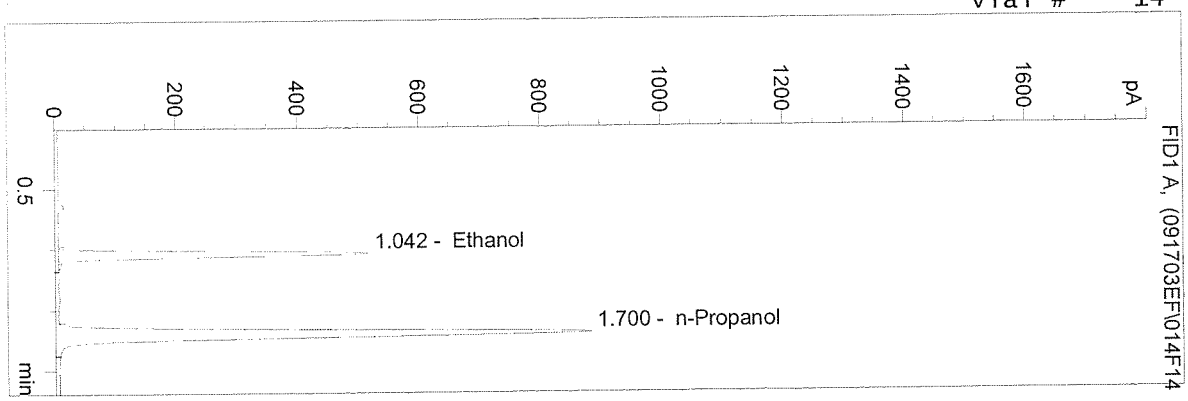
Instrument 1
ALC1

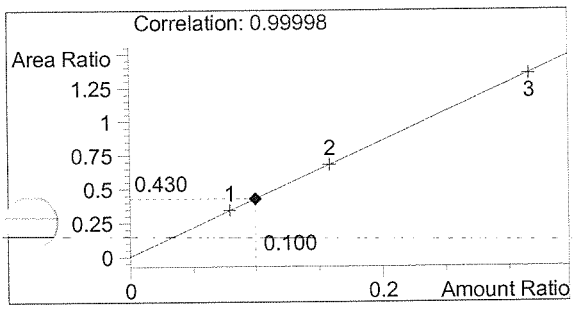
03029 AMG
ED FORMOSO

vial # 14

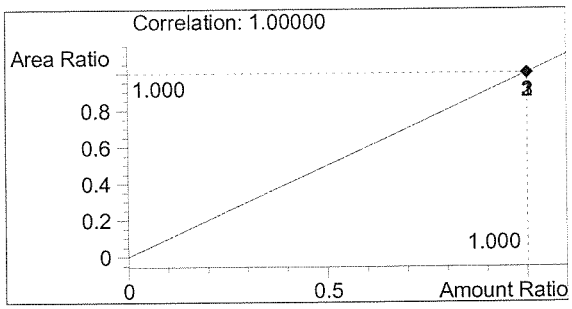



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1615 | 1.042 |
| 2 | n-Propanol | 3759 | 1.700 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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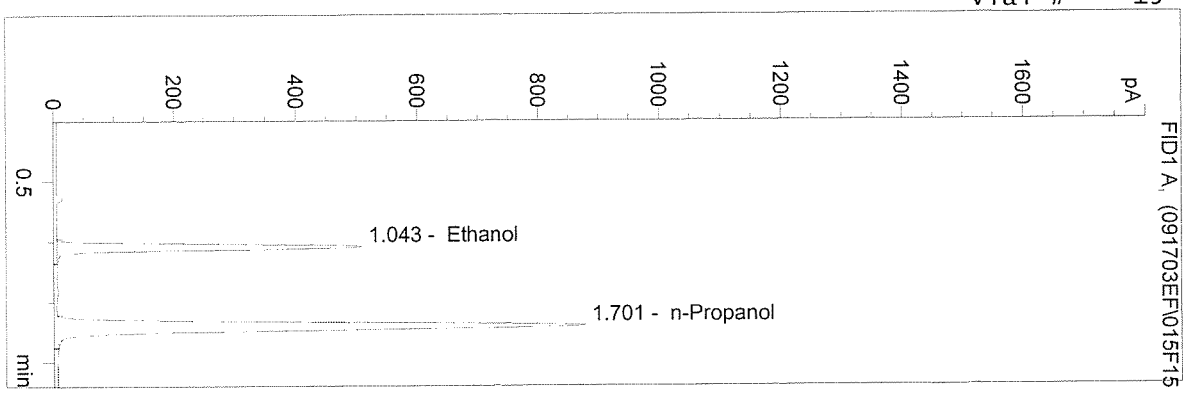
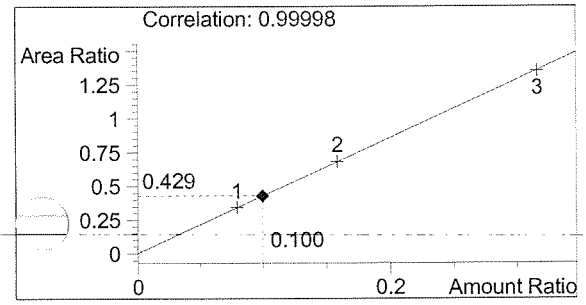
Instrument 1
ALC1

03029 AMG
ED FORMOSO

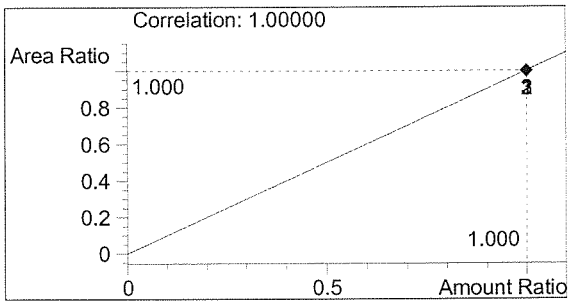
vial # 15




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1608 | 1.043 |
| 2 | n-Propanol | 3747 | 1.701 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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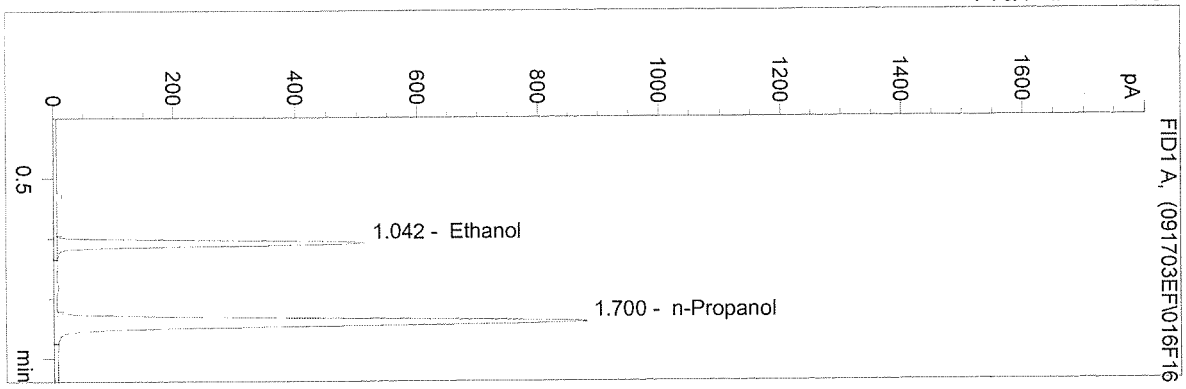
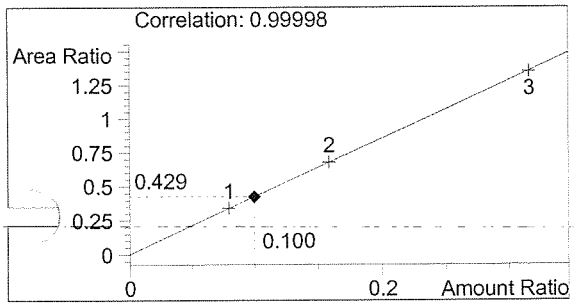
Instrument 1
ALC1

03029 AMG
ED FORMOSO

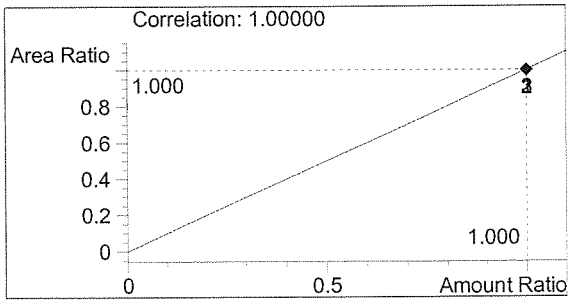
vial # 16




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1607 | 1.042 |
| 2 | n-Propanol | 3749 | 1.700 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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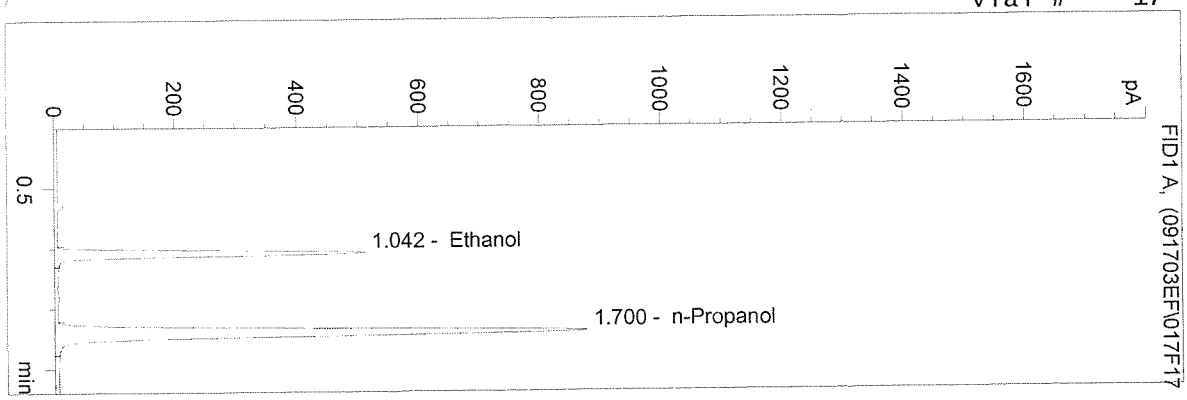
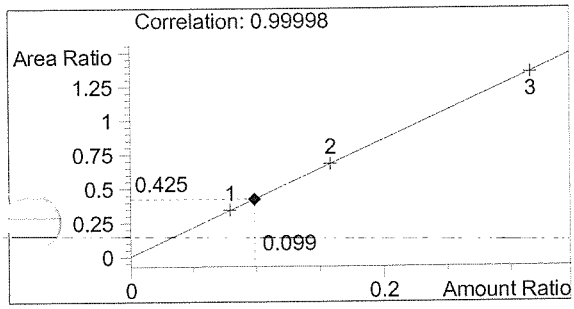
Instrument 1
ALC1

0.10 CONT AMG
ED FORMOSO

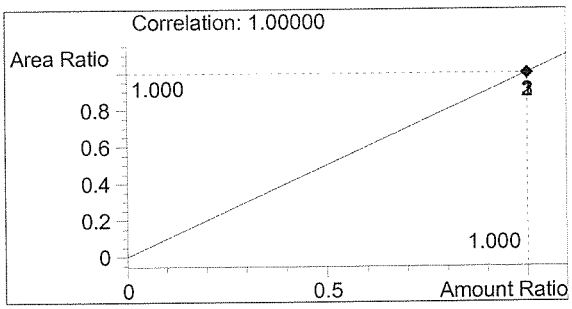
vial # 17




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1582 | 1.042 |
| 2 | n-Propanol | 3722 | 1.700 |
| Totals: | | | |




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

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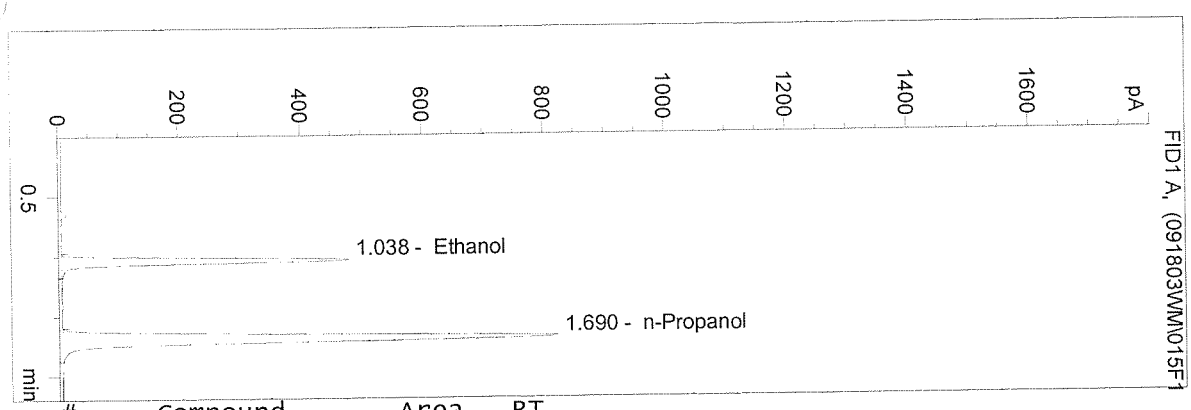
Instrument 2
BLDALC1

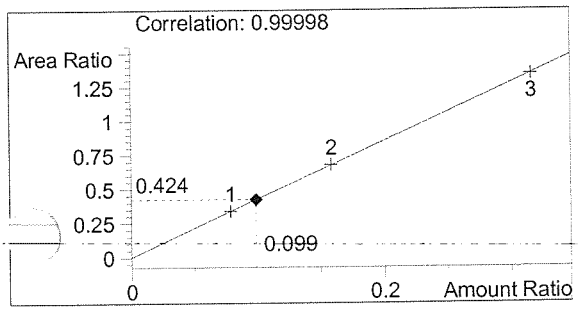
SIM 03029
WP MARSHALL

vial # 15

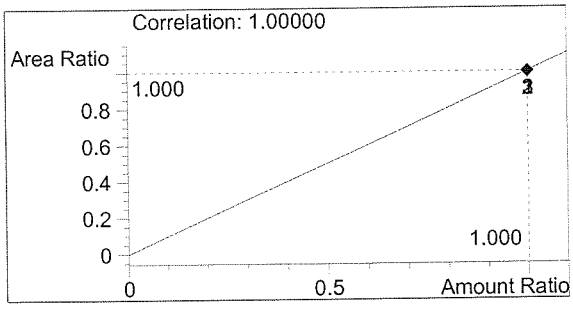



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1474 | 1.038 |
| 2 | n-Propanol | 3475 | 1.690 |

Totals:




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

STDS
SIM
03028

WASHINGTON STATE TOXICOLOGY LABORATORY

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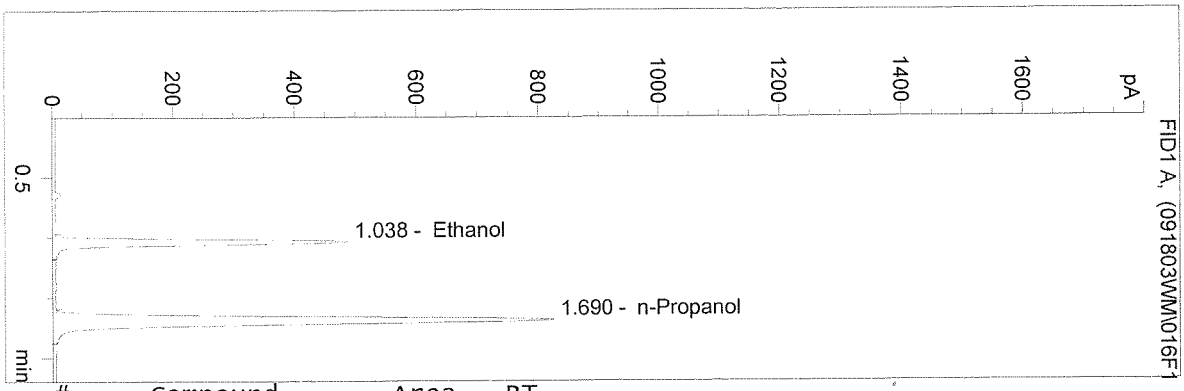
9/18/03 11:12:14 AM
Instrument 2
ALC1

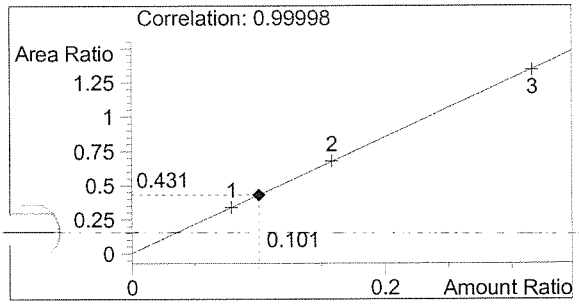
SIM 03029
WP MARSHALL

vial # 16

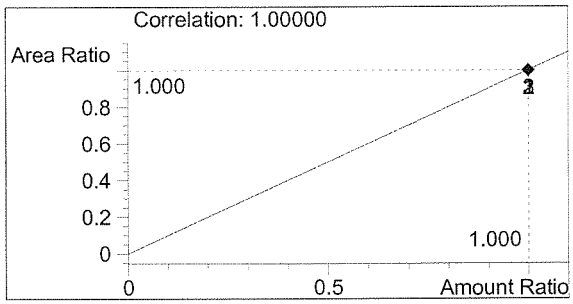



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1505 | 1.038 |
| 2 | n-Propanol | 3494 | 1.690 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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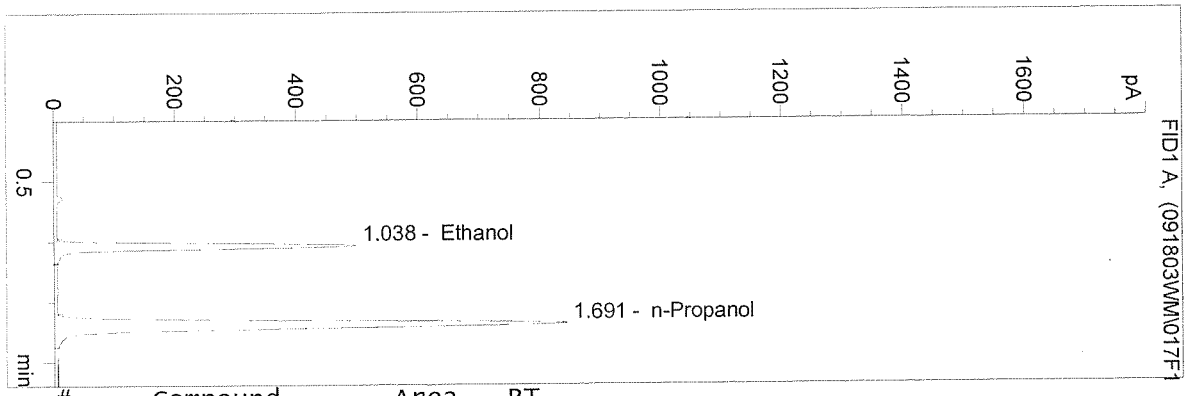
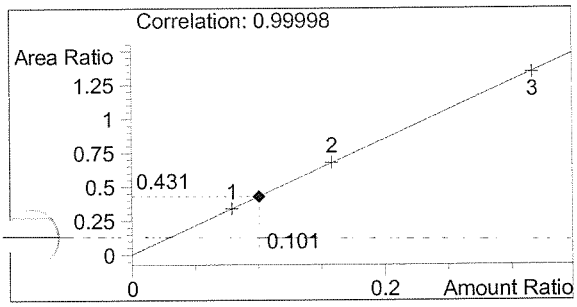
9/18/03 11:15:19 AM
Instrument 2
DR-ALC1

SIM 03029
WP MARSHALL

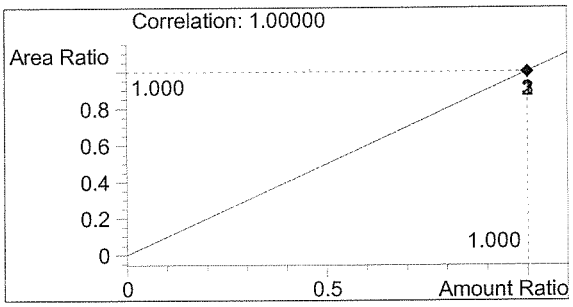
vial # 17




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1535 | 1.038 |
| 2 | n-Propanol | 3567 | 1.691 |
| Totals: | | | |




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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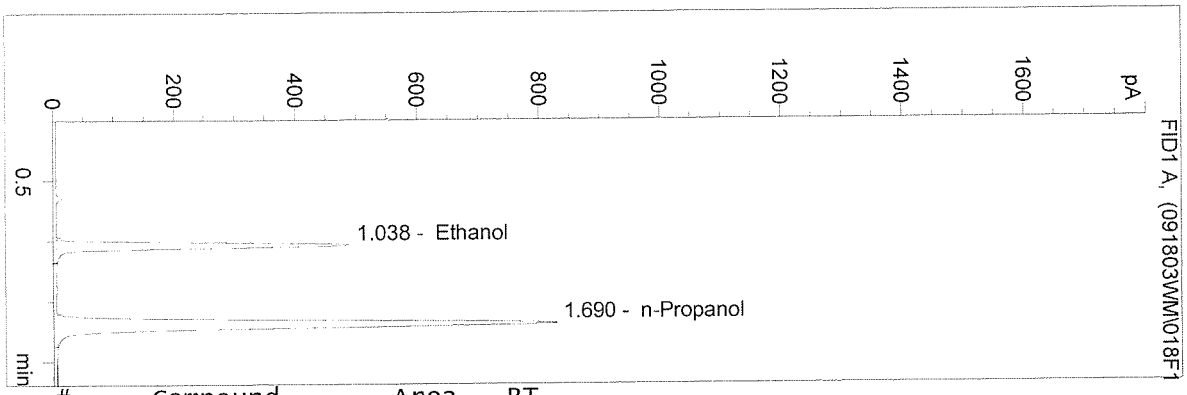
9/18/03 11:18:21 AM
Instrument 2
DB-ALC1

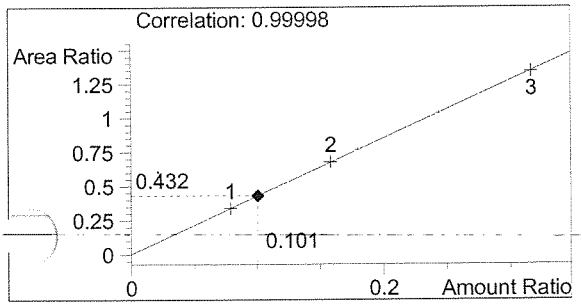
SIM 03029
WP MARSHALL

vial # 18

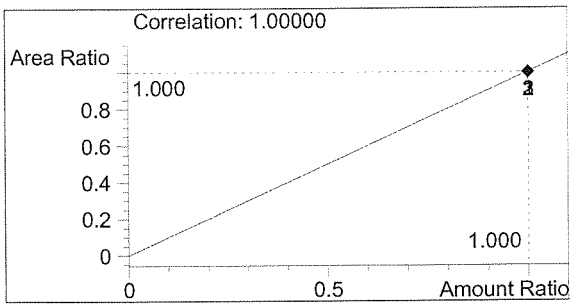



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1507 | 1.038 |
| 2 | n-Propanol | 3491 | 1.690 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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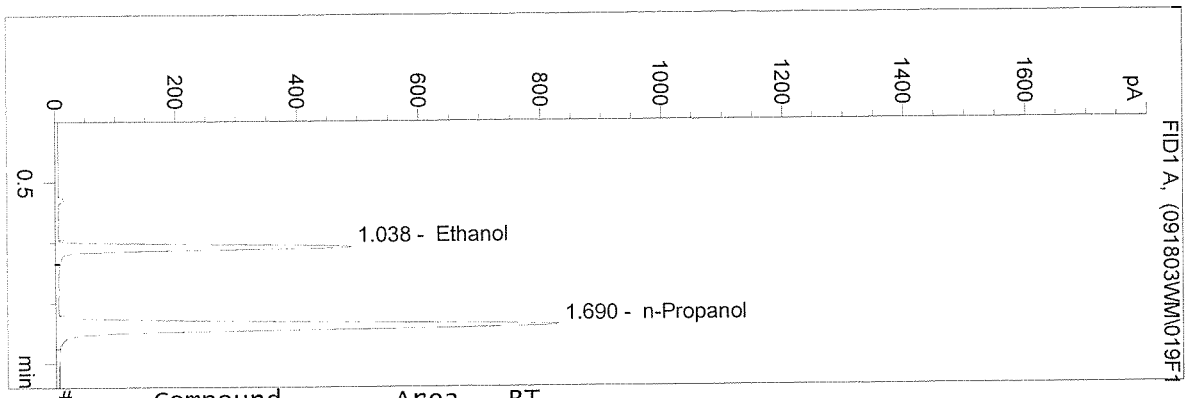
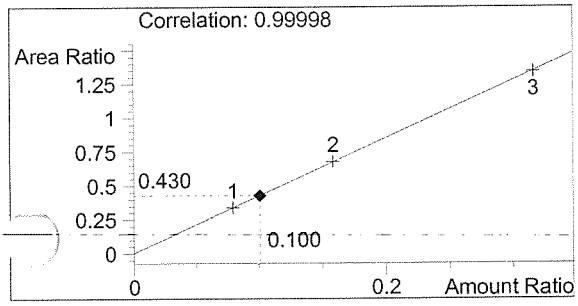
9/18/03 11:21:22 AM
Instrument 2
DB-ALC1

SIM 03029
WP MARSHALL

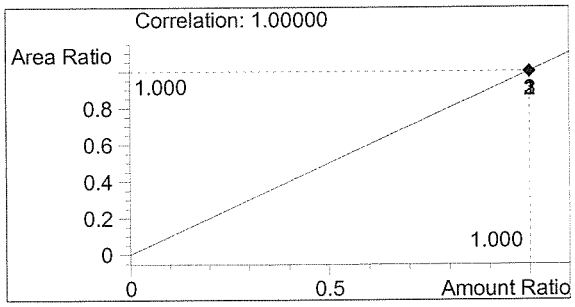
vial # 19




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1503 | 1.038 |
| 2 | n-Propanol | 3498 | 1.690 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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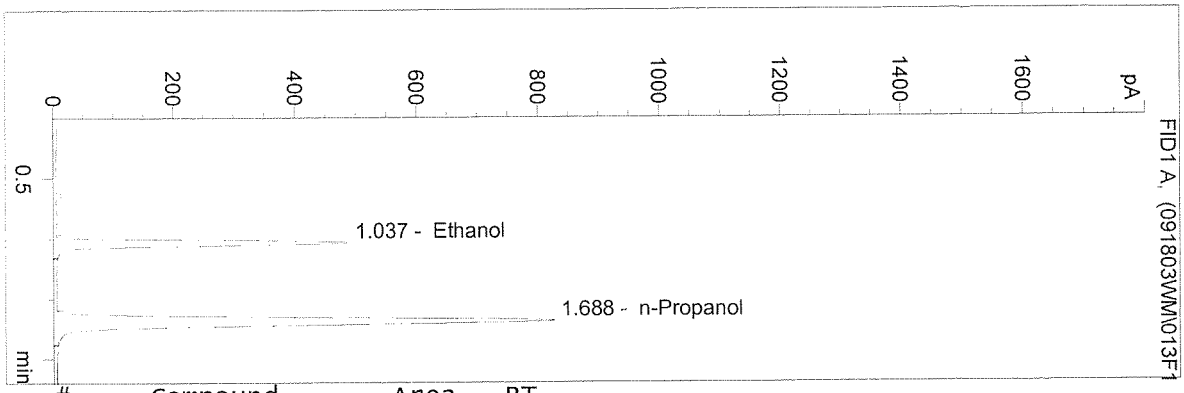
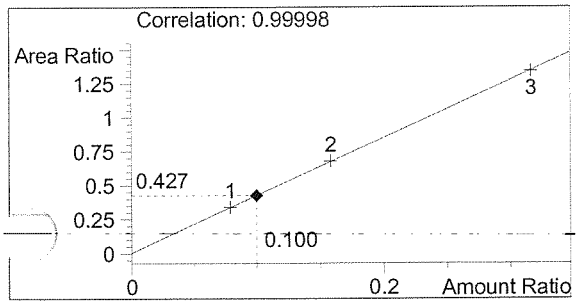
Instrument 2
DB-ALC1

CONTROL 0.10 WM
WP MARSHALL

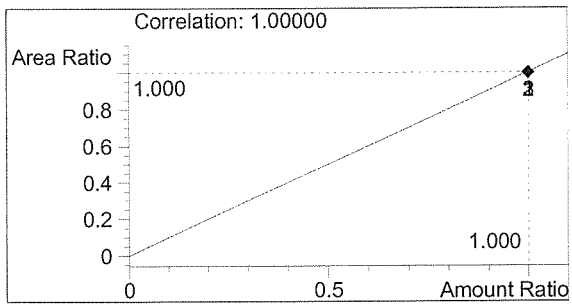
vial # 13




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1490 | 1.037 |
| 2 | n-Propanol | 3490 | 1.688 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
ALC1

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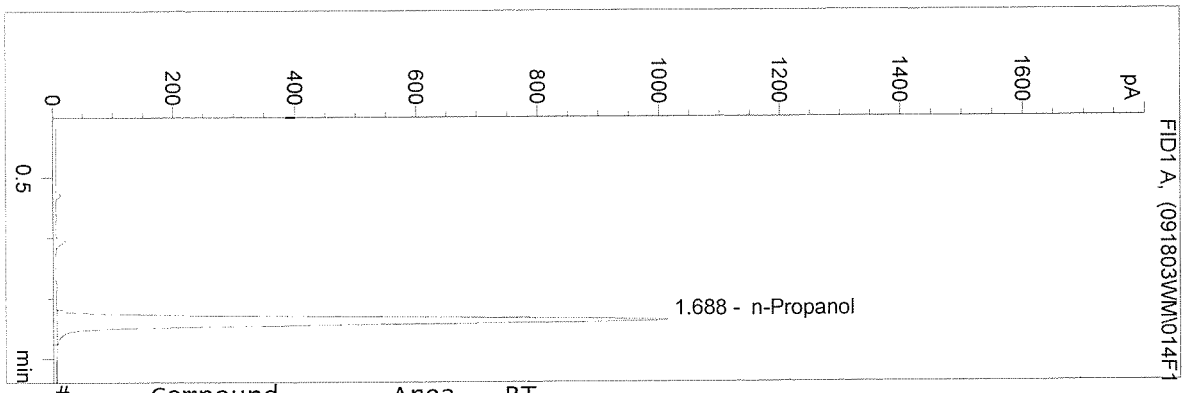
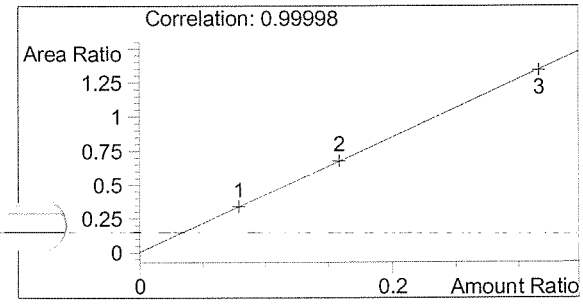
WP MARSHALL

vial # 14

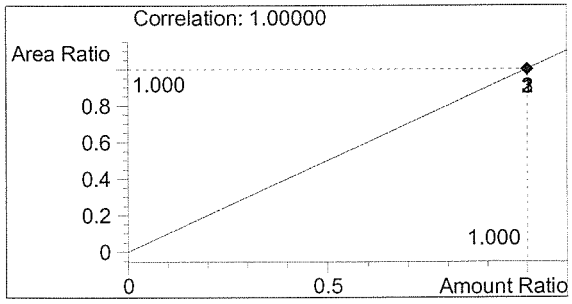



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 4308 | 1.688 |

Totals:




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml

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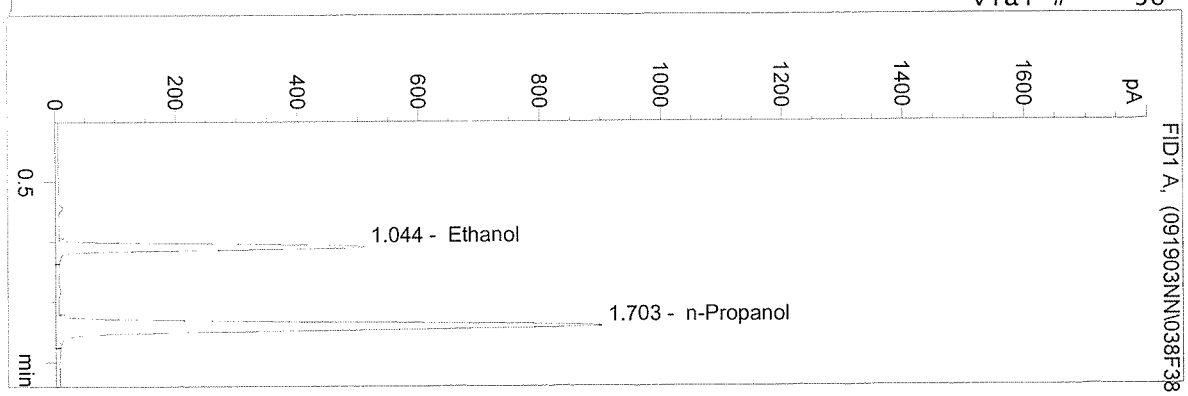
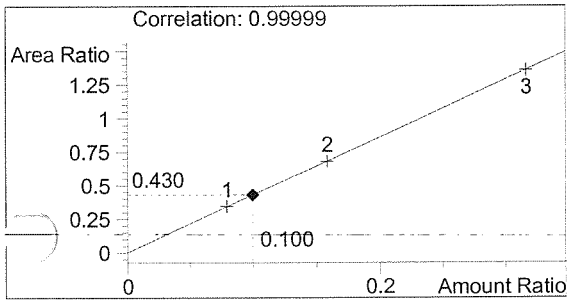
Instrument 1
DP-ALC1

03029 Sim-1
N Nuwayhid, PhD

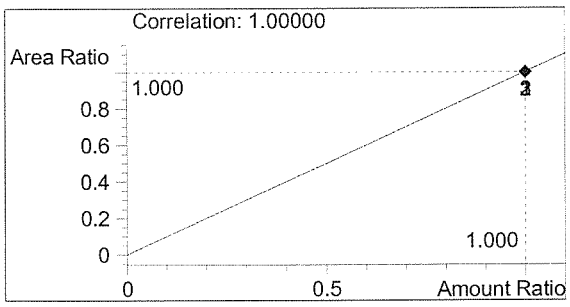
vial # 38




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1678 | 1.044 |
| 2 | n-Propanol | 3900 | 1.703 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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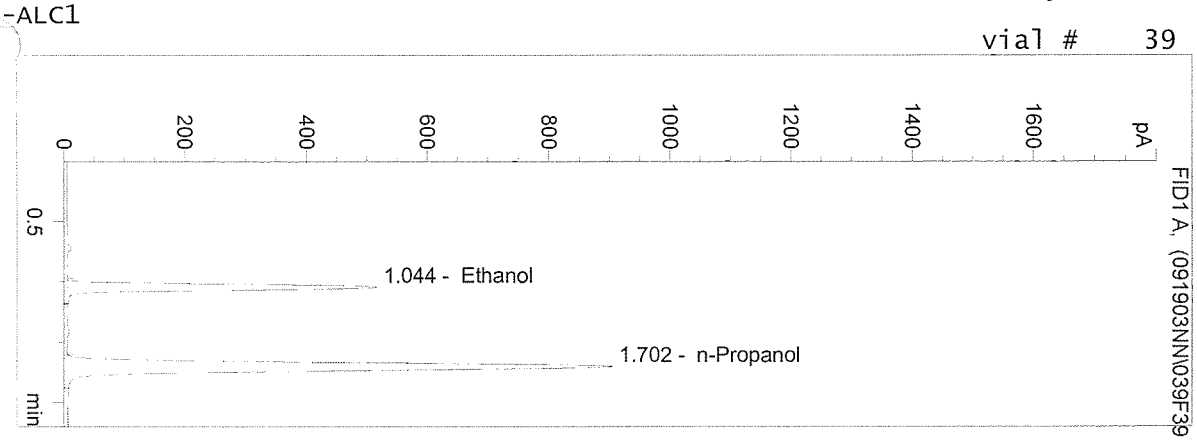
Instrument 1
DR-ALC1

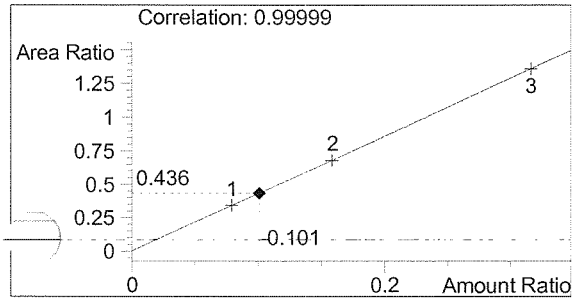
03029 Sim-2
N Nuwayhid, PhD

vial # 39

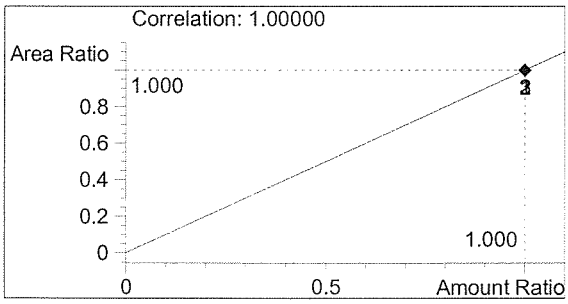



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1712 | 1.044 |
| 2 | n-Propanol | 3923 | 1.702 |

Totals:




Ethanol 0.101 g/100ml




n-Propanol 1.000 g/100ml

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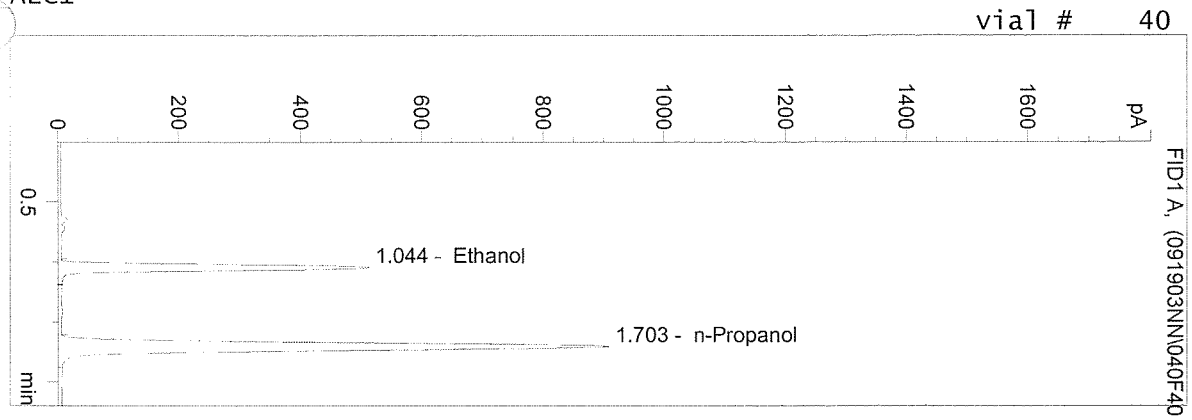
Instrument 1
DR-ALC1

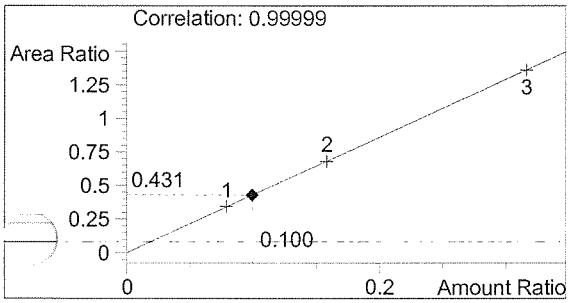
03029 Sim-3
N Nuwayhid, PhD

vial # 40

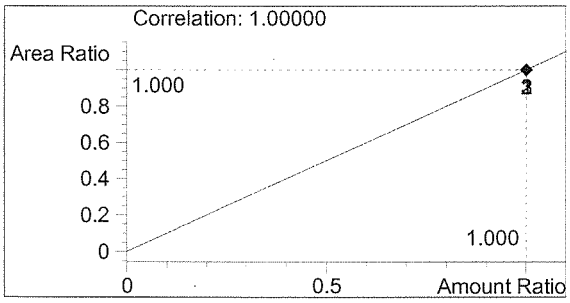



| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1697 | 1.044 |
| 2 | n-Propanol | 3941 | 1.703 |

Totals:




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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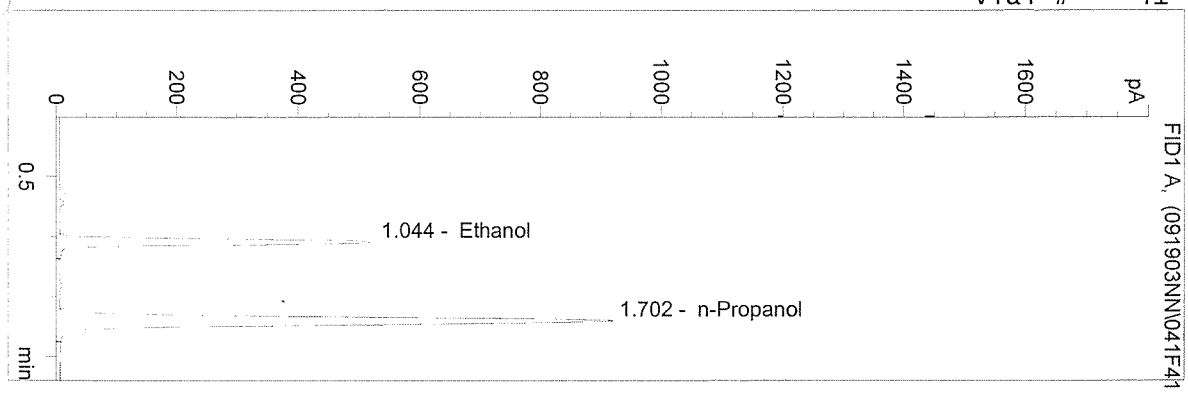
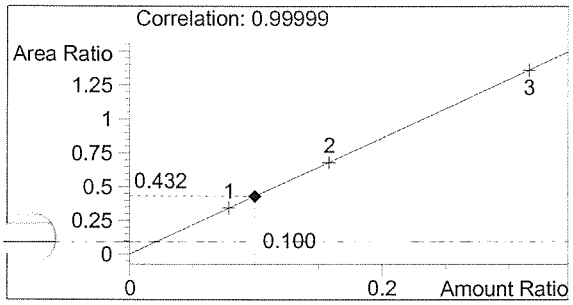
Instrument 1
DB-ALC1

03029 Sim-4
N Nuwayhid, PhD

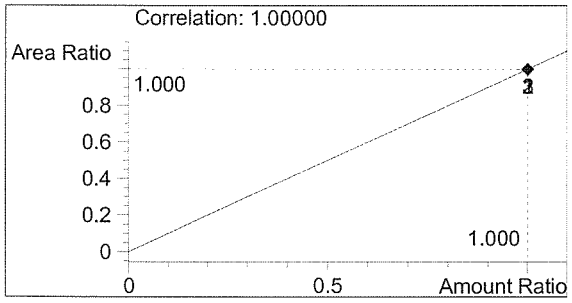
vial # 41




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1717 | 1.044 |
| 2 | n-Propanol | 3973 | 1.702 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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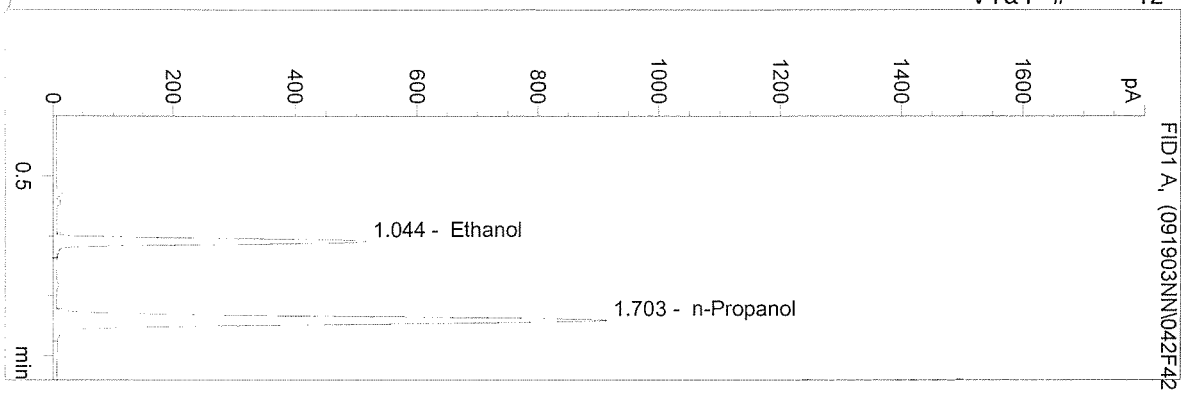
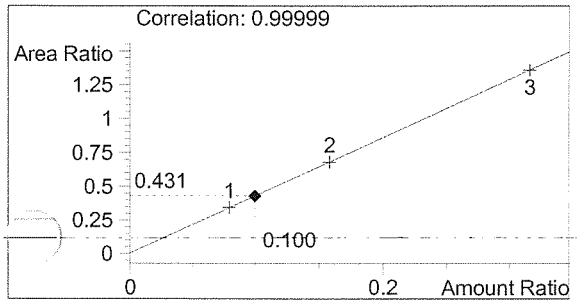
Instrument 1
DB-ALC1

03029 Sim-5
N Nuwayhid, PhD

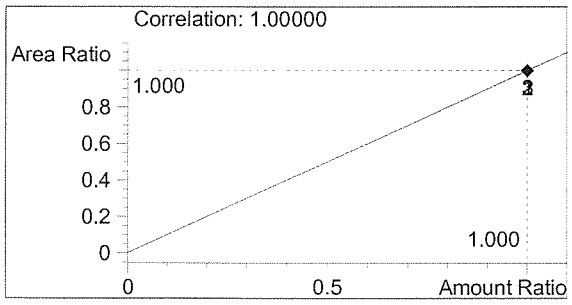
vial # 42




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 1711 | 1.044 |
| 2 | n-Propanol | 3974 | 1.703 |
| Totals: | | | |




Ethanol 0.100 g/100ml




n-Propanol 1.000 g/100ml

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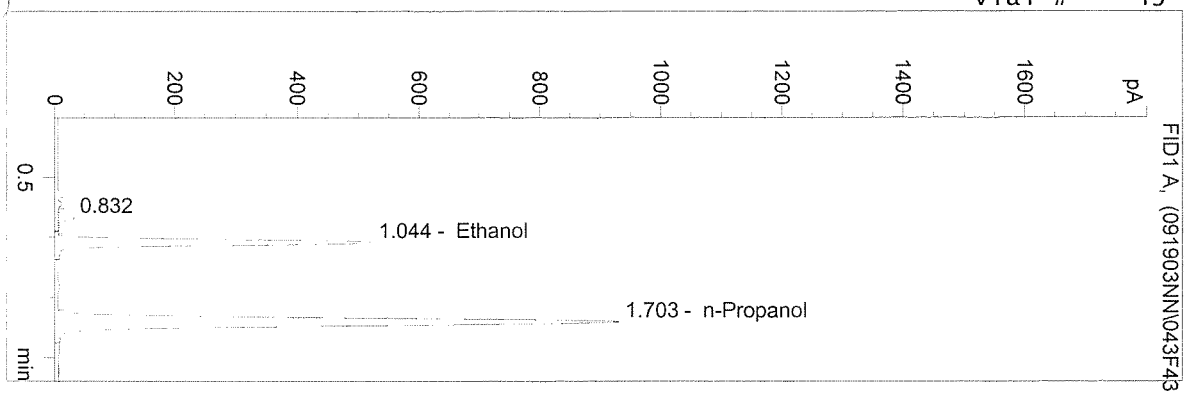
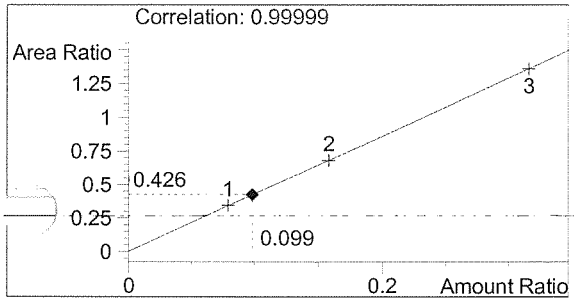
Instrument 1
DB-ALC1

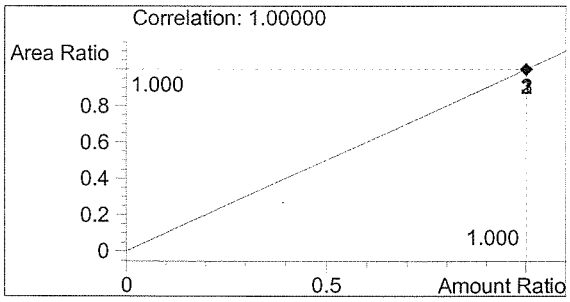
0.100 ctrl
N Nuwayhid, PhD
vial # 43




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | | 96 | 0.832 |
| 2 | Ethanol | 1709 | 1.044 |
| 3 | n-Propanol | 4015 | 1.703 |
| Totals: | | | |




Ethanol 0.099 g/100ml




n-Propanol 1.000 g/100ml

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Instrument 1
DB-ALC1

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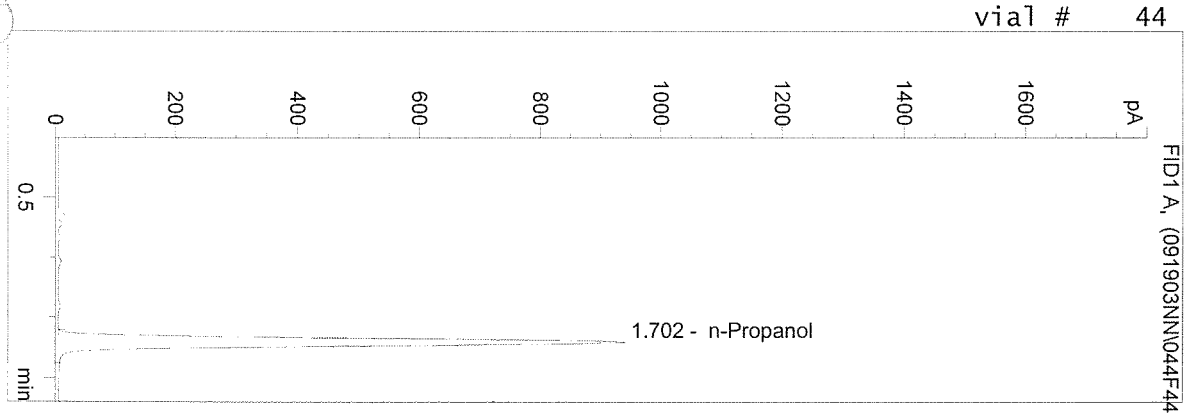
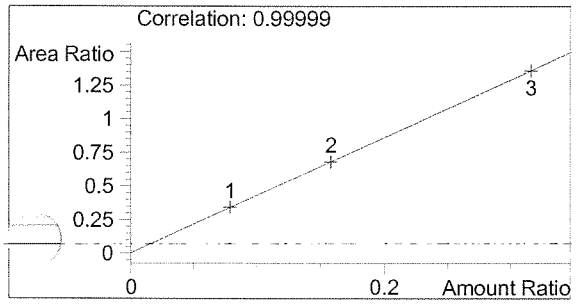
N Nuwayhid, PhD

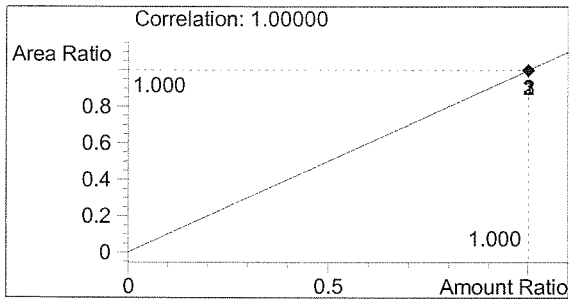
vial # 44




| # | Compound | Area | RT |
|---|---|---|---|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 4065 | 1.702 |
| Totals: | | | |




Ethanol 0.000 g/100ml




n-Propanol 1.000 g/100ml