




















REVIEWED

By Galina Giso at 2:23 pm, Sep 19, 2022

9/12/2022

Worklist: 6101

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|------------------|--------------------|---|
| C2022-1598 | 3 | BCK | Alcohol Analysis |  |
| C2022-1911 | 1 | BCK | Alcohol Analysis |  |
| C2022-1922 | 1 | BCK | Alcohol Analysis |  |
| C2022-1924 | 2 | BCK | Alcohol Analysis |  |
| C2022-1924 | 3 | BCK | Alcohol Analysis |  |
| C2022-1926 | 1 | BCK | Alcohol Analysis |  |
| C2022-1947 | 1 | BLOOD | Alcohol Analysis |  |
| C2022-1970 | 1 | BCK | Alcohol Analysis |  |
| C2022-1971 | 1 | BCK | Alcohol Analysis |  |
| C2022-1990 | 1 | BCK | Alcohol Analysis |  |
| C2022-1993 | 1 | BCK | Alcohol Analysis |  |
| C2022-1995 | 1 | BCK | Alcohol Analysis |  |
| C2022-1996 | 1 | BCK | Alcohol Analysis |  |
| C2022-1997 | 1 | AVK | Alcohol Analysis |  |
| C2022-2007 | 1 | BCK | Alcohol Analysis |  |
| C2022-2040 | 1 | BCK | Alcohol Analysis |  |
| C2022-2042 | 1 | BCK | Alcohol Analysis |  |
| C2022-2048 | 1 | BCK | Alcohol Analysis |  |
| C2022-2072 | 1 | BCK | Alcohol Analysis |  |



Region 1 CDA Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255850700
 Shimadzu HS-20 Serial #C12595700181
 Lab Solutions Software Ver. 5.99
 Copyright (C) 2008-2020 Shimadzu Corporation

| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|----------------|----------------|--------|-------------|
| 79 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 80 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 81 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 82 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 83 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 84 | condition | 0:Unknown | 0 | ALCOHOL.GCM |
| 1 | INT STD BLK 1 | 0:Unknown | 0 | ALCOHOL.GCM |
| 2 | 0.050 | 1:Standard:(R) | 1 | ALCOHOL.GCM |
| 3 | 0.100 | 1:Standard:(R) | 2 | ALCOHOL.GCM |
| 4 | 0.200 | 1:Standard:(R) | 3 | ALCOHOL.GCM |
| 5 | 0.300 | 1:Standard:(R) | 4 | ALCOHOL.GCM |
| 6 | 0.500 | 1:Standard:(R) | 5 | ALCOHOL.GCM |
| 7 | INT STD BLK 2 | 0:Unknown | 0 | ALCOHOL.GCM |
| 8 | MULTI-COMP MIX | 1:Standard:(R) | 6 | ALCOHOL.GCM |
| 9 | INT STD BLK 3 | 0:Unknown | 0 | ALCOHOL.GCM |
| 10 | QC-1-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 11 | QC-1-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 12 | 0.08 QA - A | 0:Unknown | 0 | ALCOHOL.GCM |
| 13 | 0.08 QA - B | 0:Unknown | 0 | ALCOHOL.GCM |
| 14 | C2022-1598-3-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 15 | C2022-1598-3-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 16 | C2022-1911-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 17 | C2022-1911-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 18 | C2022-1922-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 19 | C2022-1922-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 20 | C2022-1924-2-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 21 | C2022-1924-2-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 22 | C2022-1924-3-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 23 | C2022-1924-3-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 24 | C2022-1926-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 25 | C2022-1926-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 26 | C2022-1947-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 27 | C2022-1947-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 28 | C2022-1970-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 29 | C2022-1970-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 30 | C2022-1971-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 31 | C2022-1971-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 32 | QC-2-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 33 | QC-2-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 34 | C2022-1990-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 35 | C2022-1990-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 36 | C2022-1993-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 37 | C2022-1993-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 38 | C2022-1995-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 39 | C2022-1995-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 40 | C2022-1996-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 41 | C2022-1996-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 42 | C2022-1997-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 43 | C2022-1997-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 44 | C2022-2007-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 45 | C2022-2007-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 46 | C2022-2040-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 47 | C2022-2040-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 48 | C2022-2042-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 49 | C2022-2042-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 50 | C2022-2048-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 51 | C2022-2048-1-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 52 | C2022-2072-1-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 53 | C2022-2072-1-B | 0:Unknown | 0 | ALCOHOL.GCM |

99

| Vial# | Sample Name | Sample Type | Level# | Method File |
|-------|---------------|-------------|--------|-------------|
| 54 | QC-2-2-A | 0:Unknown | 0 | ALCOHOL.GCM |
| 55 | QC-2-2-B | 0:Unknown | 0 | ALCOHOL.GCM |
| 56 | INT STD BLK 4 | 0:Unknown | 0 | ALCOHOL.GCM |

66
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls

Run Date(s): 9/14/2022

Calibration Date: (if different)

Worklist #: Worklist # 6101

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results | |
|---------------------------------|------------|-------------|----------------------|------------------|-------------------|----------------|
| Level 1 | Jul-23 | 1907006 | 0.0764 | 0.0688-0.0840 | 0.0801 g/100cc | |
| | | | | | g/100cc | |
| | | | | | g/100cc | |
| Level 2 | Jul-23 | 1907007 | 0.2170 | 0.1953-0.2387 | 0.2009 g/100cc | |
| | | | | | 0.2009 g/100cc | |
| | | | | | g/100cc | |
| Multi-Component mixture: | | Exp: | July 31, 2024 | Lot # | FN04231907 | OK |
| Curve Fit: | | | Column 1 | 0.99966 | Column2 | 0.99958 |

Ethanol Calibration Reference Material

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|------------------|--------------|------------------|----------|----------|-----------|---------|
| 50 | 0.050 | 0.045 - 0.055 | 0.0536 | 0.0541 | 0.0005 | 0.0538 |
| 100 | 0.100 | 0.090 - 0.110 | 0.1001 | 0.1000 | 1E-04 | 0.1 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1957 | 0.1952 | 0.0005 | 0.1954 |
| 300 | 0.300 | 0.270 - 0.330 | 0.2978 | 0.2976 | 0.0002 | 0.2977 |
| 400 | 0.400 | 0.360 - 0.440 | | | 0 | #DIV/0! |
| 500 | 0.500 | 0.450 - 0.550 | 0.5025 | 0.5028 | 0.0003 | 0.5026 |

Aqueous Controls

| Control level | Target Value | Acceptable Range | Overall Results |
|---------------|--------------|------------------|-----------------|
| 80 | 0.080 | 0.076 - 0.084 | 0.081 g/100cc |

Revision: 5

Issue Date: 07/05/2022

66
Internal Standard Monitoring Worksheet

Worklist #: **Worklist # 6101** **Run Date(s):** **9/14/2022**

| | | |
|---|----------------------|---------------------|
| Internal Standard Solution: Lot# A014463901 | Prep Date: 8/23/2022 | Exp Date: 2/23/2023 |
|---|----------------------|---------------------|

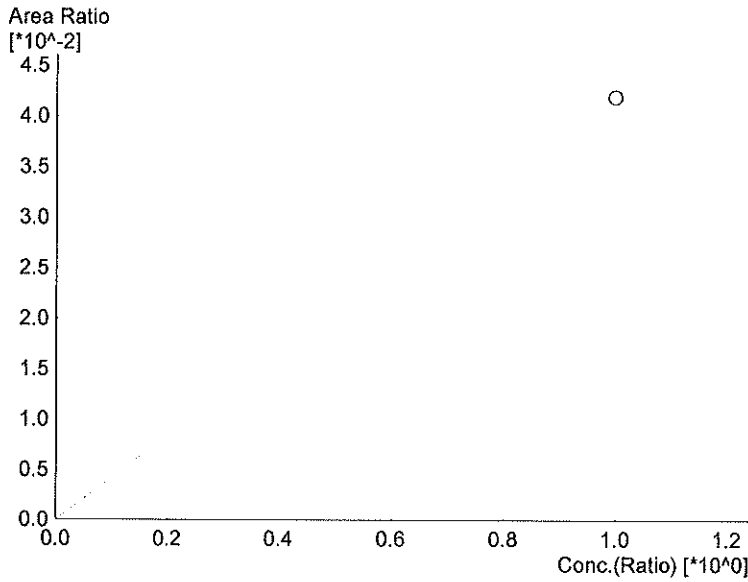
| Sample Name | Column 1 Value | Column 2 Value |
|-------------|----------------|----------------|
| 0.080 | 314702 | 354645 |
| 0.080 | 308351 | 347456 |
| QC1 | 314311 | 354350 |
| QC1 | 324855 | 366188 |
| QC1 | | |
| QC1 | | |
| QC1 | | |
| QC1 | | |
| QC2 | 293952 | 329463 |
| QC2 | 285777 | 320380 |
| QC2 | 323455 | 359380 |
| QC2 | 337316 | 375155 |
| QC2 | | |
| QC2 | | |

| | Average | (-)20% | (+)20% |
|----------|----------|----------|----------|
| Column 1 | 312839.9 | 250271.9 | 375407.9 |
| Column 2 | 350877.1 | 280701.7 | 421052.6 |

Calibration Table

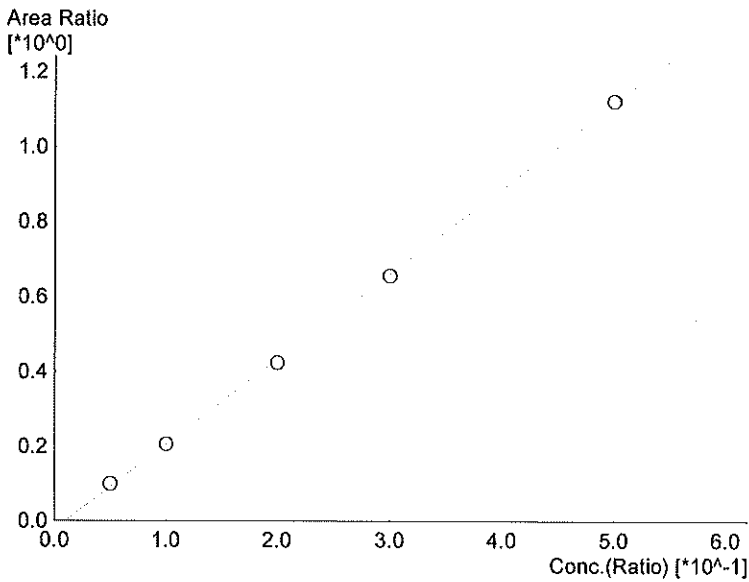
Laboratory : Coeur d'Alene
 Instrument Name : Nexis GC2030
 Instrument Serial # : C12255850700 / C12595700181

<<Data File>>
 Method File : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Batch File : C:\LabSolutions\Data\9-13-22a\9-13-22.gcb
 Date Acquired : 9/14/2022 12:39:51 PM
 Date Created : 9/14/2022 12:37:18 PM
 Date Modified : 9/15/2022 7:17:16 AM



Name : Methanol
 Detector Name: FID1
 Function : $f(x)=0.0419258*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

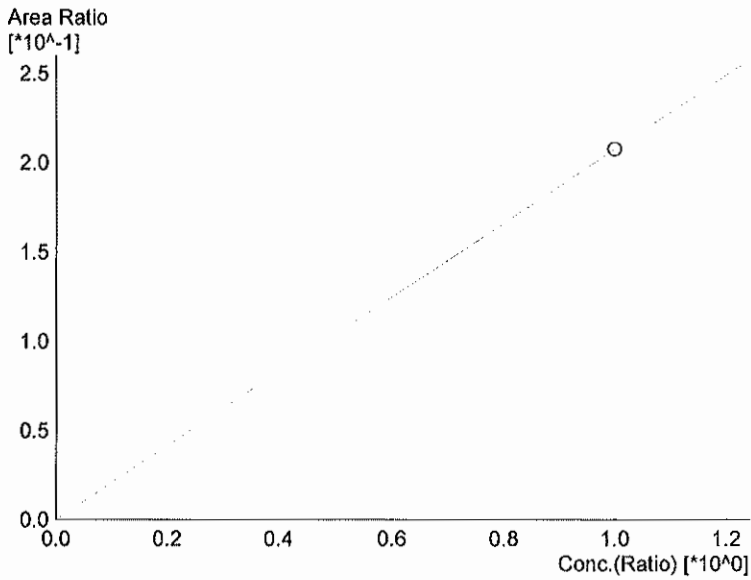
| # | Conc. | Area | Std. Conc. |
|---|-------|-------|------------|
| 6 | 1.000 | 11326 | 1.0000 |



Name : Ethanol
 Detector Name: FID1
 Function : $f(x)=2.27948*x-0.0227578$
 R² value= 0.9996658
 FitType: Linear
 ZeroThrough: Not Through

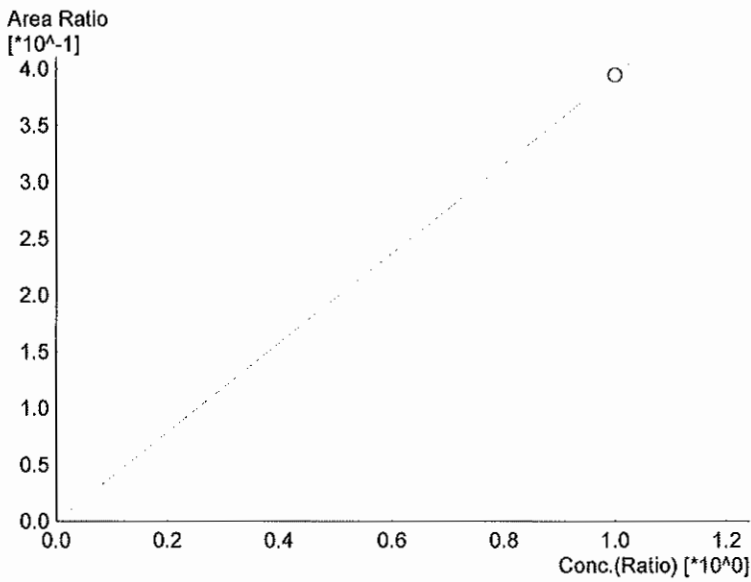
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 25977 | 0.0536 |
| 2 | 0.100 | 52762 | 0.1001 |
| 3 | 0.200 | 114204 | 0.1957 |
| 4 | 0.300 | 184120 | 0.2978 |
| 5 | 0.500 | 318749 | 0.5025 |

99



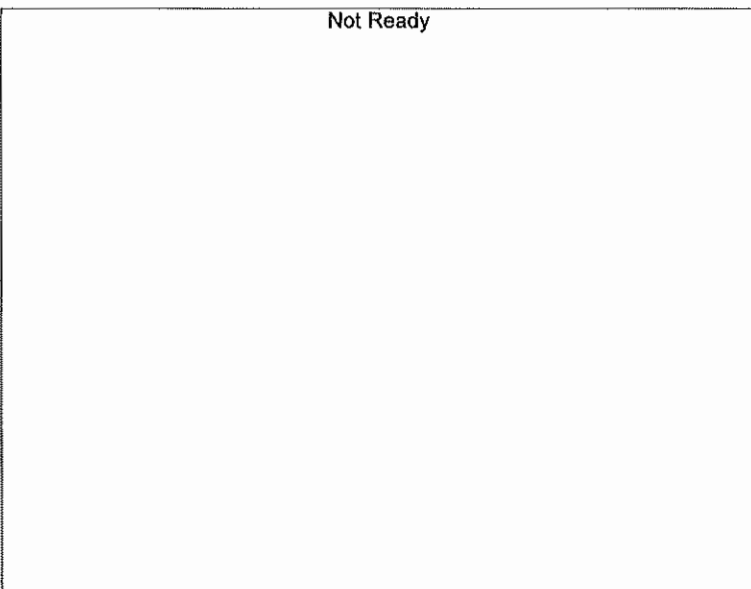
Name : Isopropyl Alcohol
 Detector Name: FID1
 Function : $f(x)=0.207784*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|-------|------------|
| 6 | 1.000 | 56130 | 1.0000 |



Name : Acetone
 Detector Name: FID1
 Function : $f(x)=0.394509*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

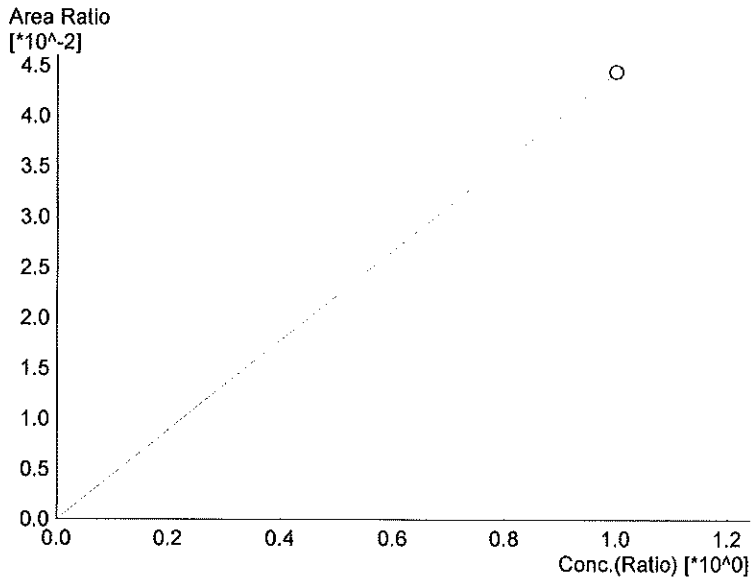
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 6 | 1.000 | 106570 | 1.0000 |



Name : Fluor. Hydrocarbon(s)
 Detector Name: FID1
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

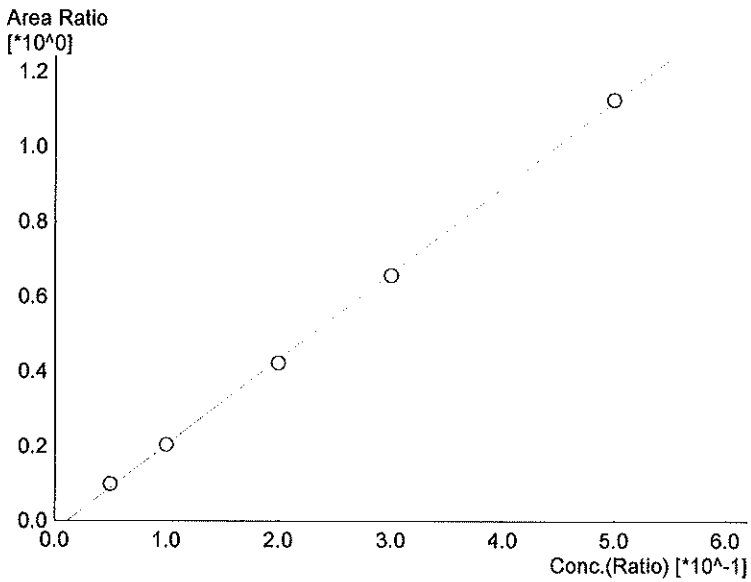
| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

99



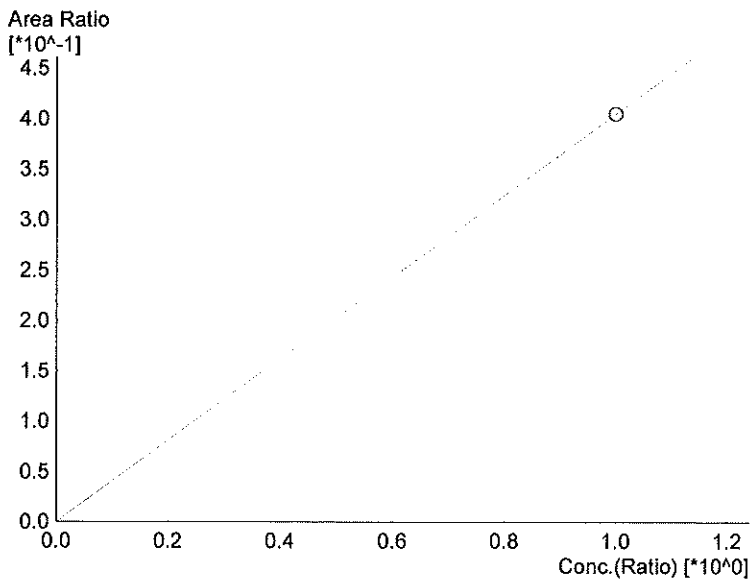
Name : Methanol
 Detector Name: FID2
 Function : $f(x)=0.0444394*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|-------|------------|
| 6 | 1.000 | 13402 | 1.0000 |



Name : Ethanol
 Detector Name: FID2
 Function : $f(x)=2.29105*x-0.0255912$
 R² value= 0.9995823
 FitType: Linear
 ZeroThrough: Not Through

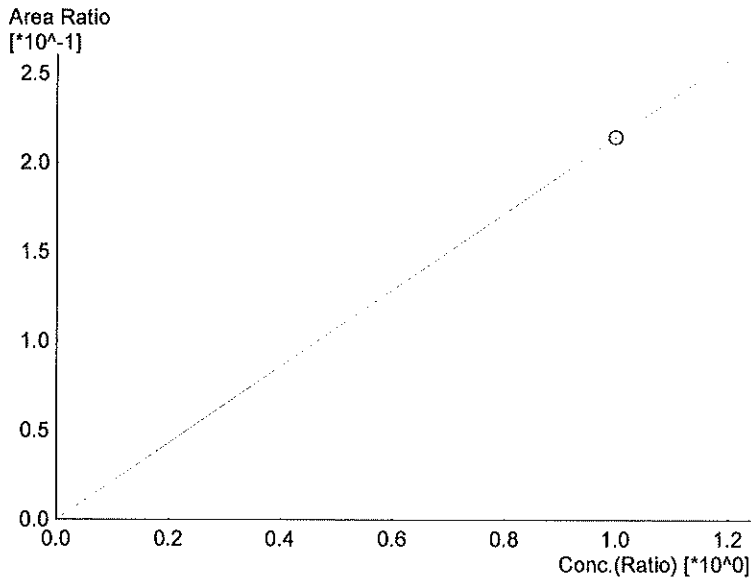
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 1 | 0.050 | 28915 | 0.0541 |
| 2 | 0.100 | 58814 | 0.1000 |
| 3 | 0.200 | 127786 | 0.1952 |
| 4 | 0.300 | 207120 | 0.2976 |
| 5 | 0.500 | 359601 | 0.5028 |



Name : Acetone
 Detector Name: FID2
 Function : $f(x)=0.405472*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

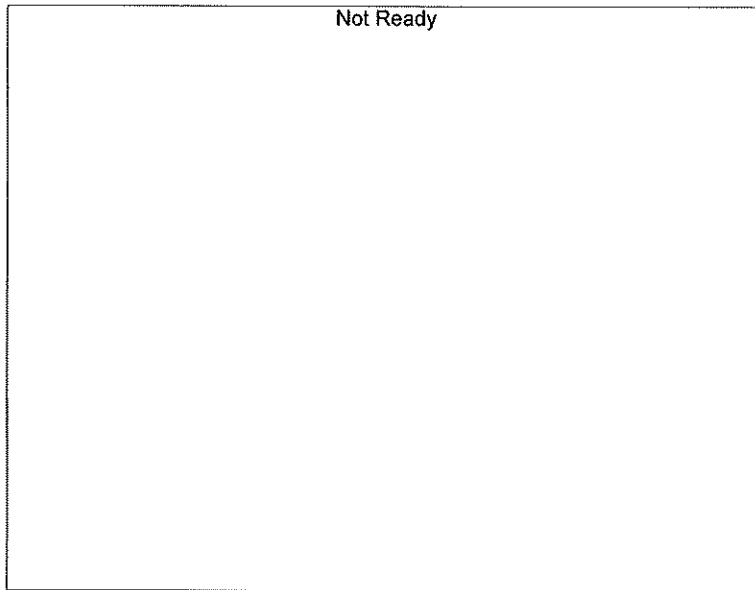
| # | Conc. | Area | Std. Conc. |
|---|-------|--------|------------|
| 6 | 1.000 | 122282 | 1.0000 |

99



Name : Isopropyl Alcohol
 Detector Name: FID2
 Function : $f(x)=0.214693*x+0$
 R² value= 1.000000
 FitType: Linear
 ZeroThrough: Not Through

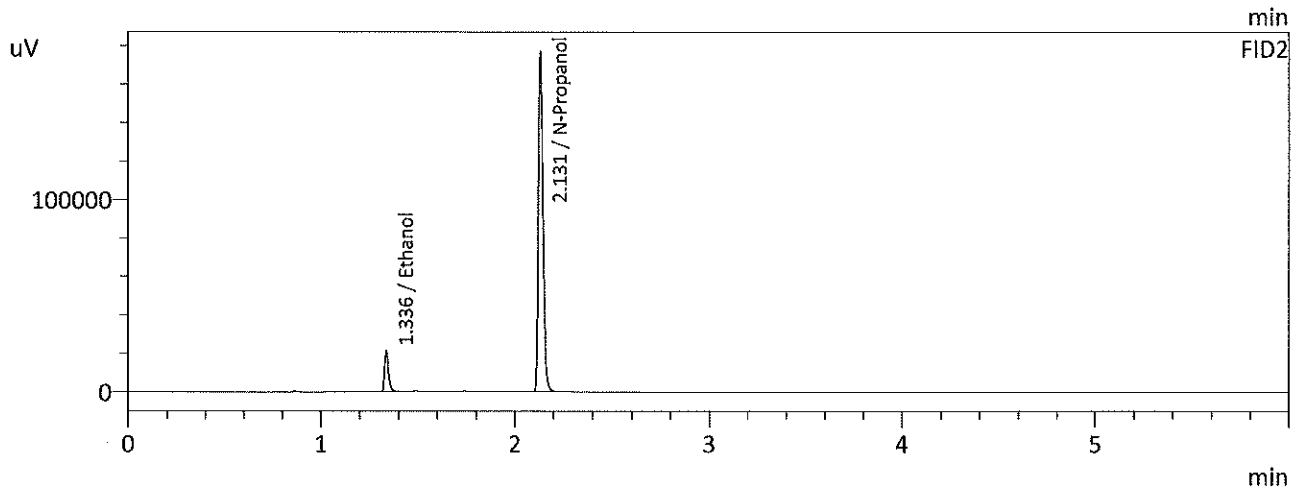
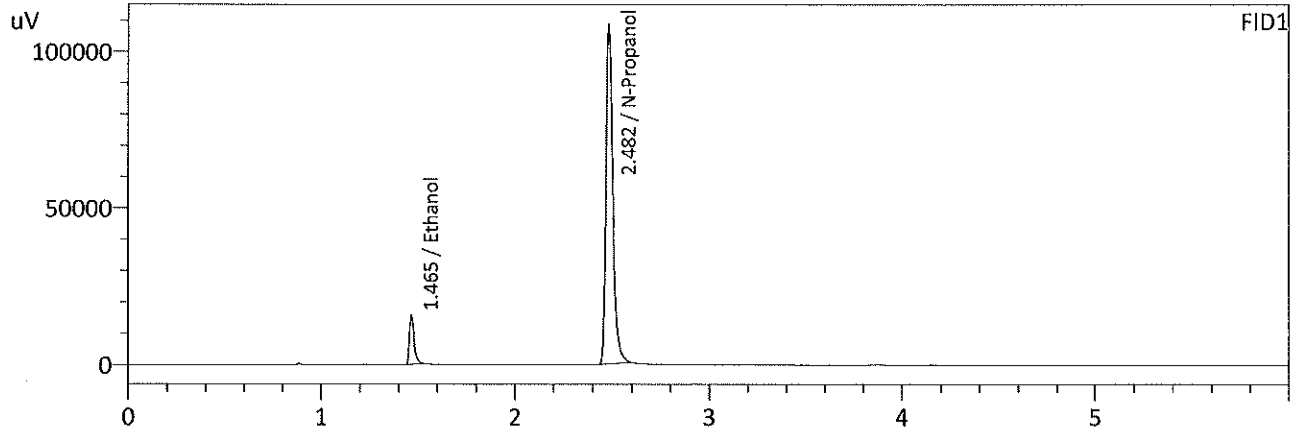
| # | Conc. | Area | Std. Conc. |
|---|-------|-------|------------|
| 6 | 1.000 | 64747 | 1.0000 |



Name : Flour. Hydrocarbon(s)
 Detector Name: FID2
 Function : $f(x)=0*x+0$
 R² value= 0
 FitType: Linear
 ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|-------|------|------------|
|---|-------|------|------------|

Sample Name : 0.050
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:01:02 PM
 Vial # : 2
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

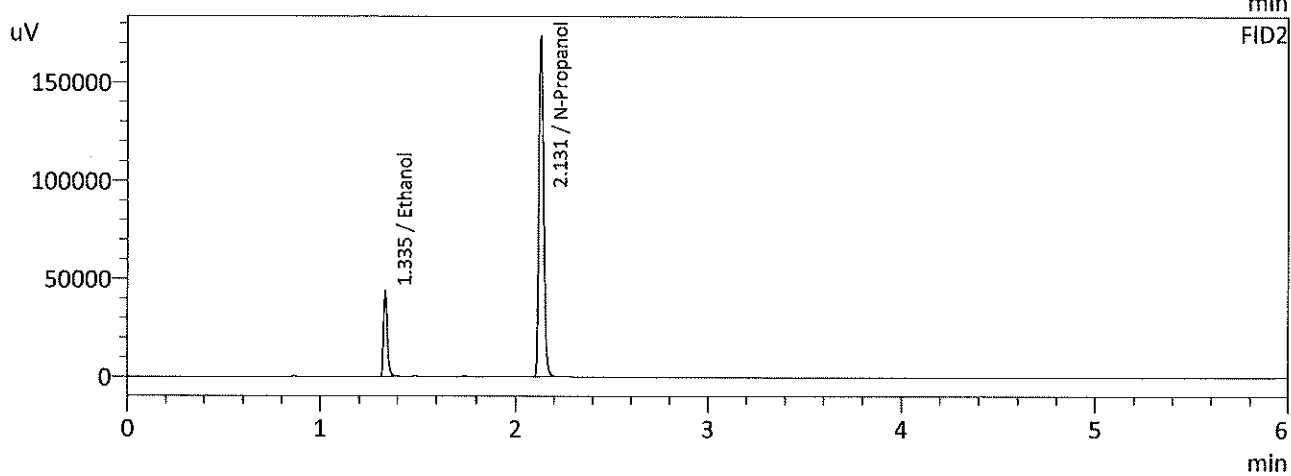
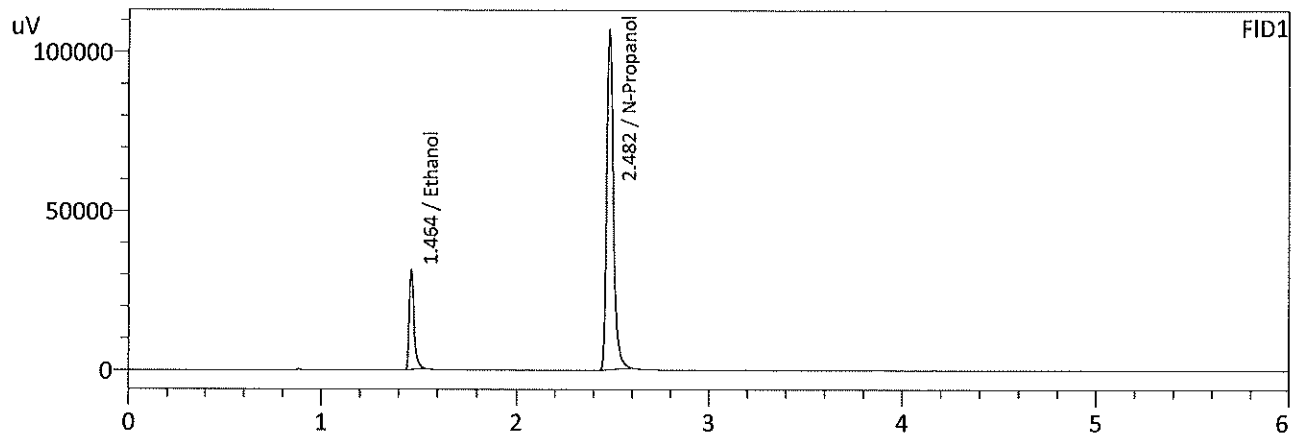
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0536 | 25977 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 260891 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0541 | 28915 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 293762 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : 0.100
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:11:45 PM
 Vial # : 3
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

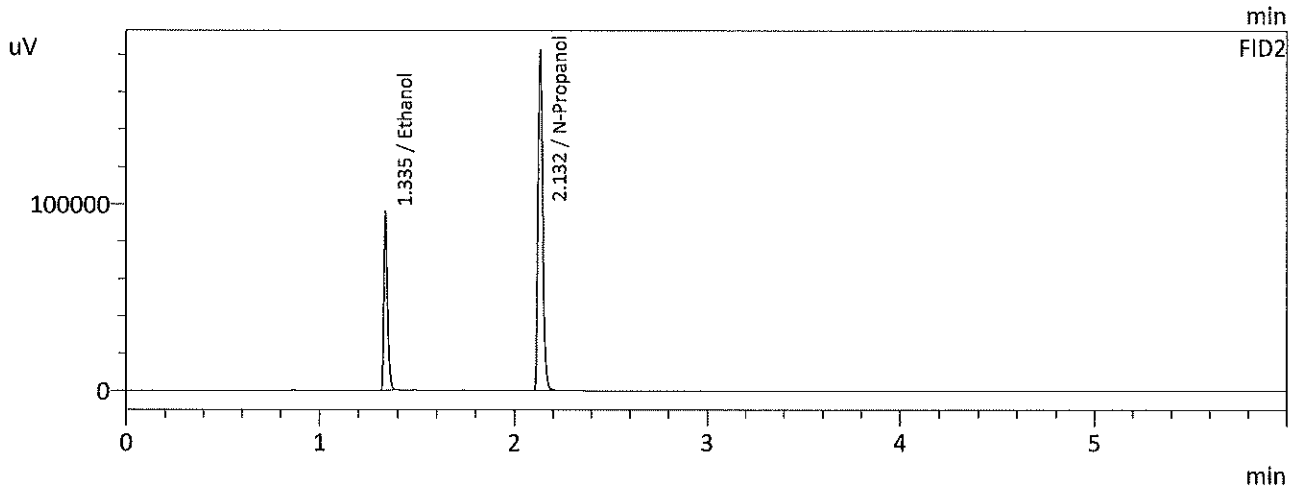
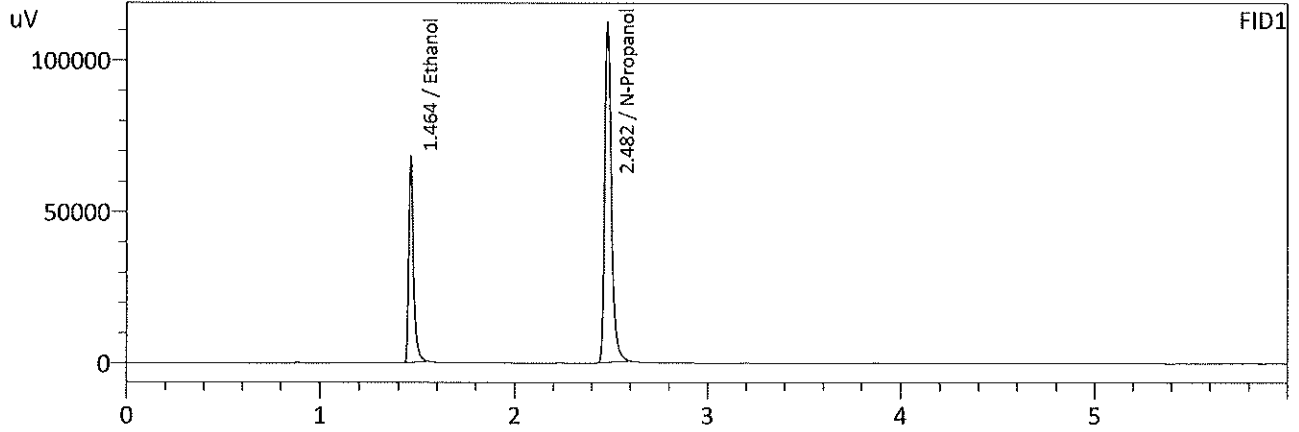
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1001 | 52762 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 256754 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1000 | 58814 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 288710 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : 0.200
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:20:25 PM
 Vial # : 4
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

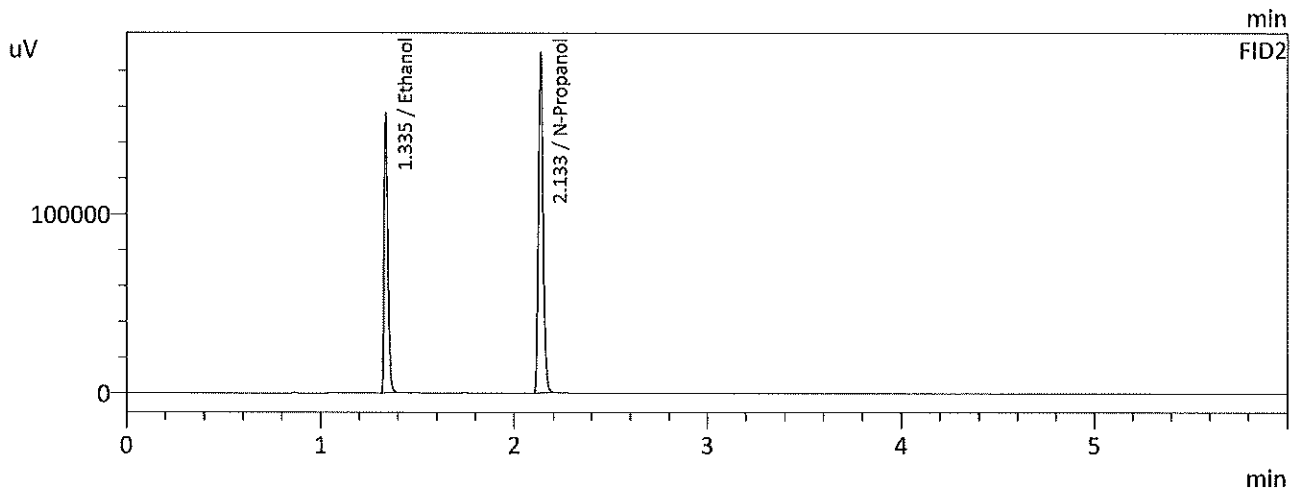
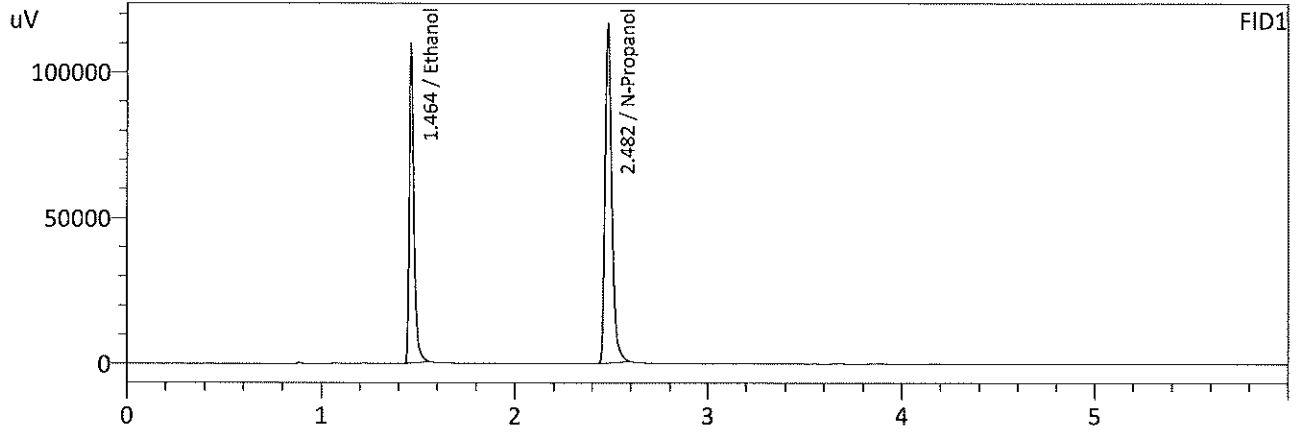
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1957 | 114204 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 269698 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1952 | 127786 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 302955 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : 0.300
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:31:11 PM
 Vial # : 5
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

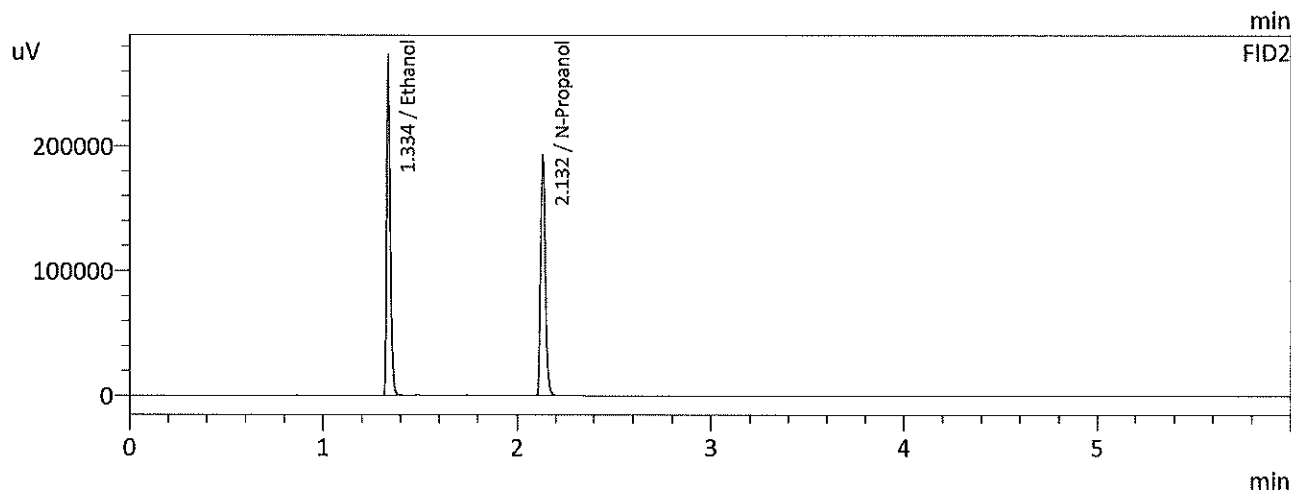
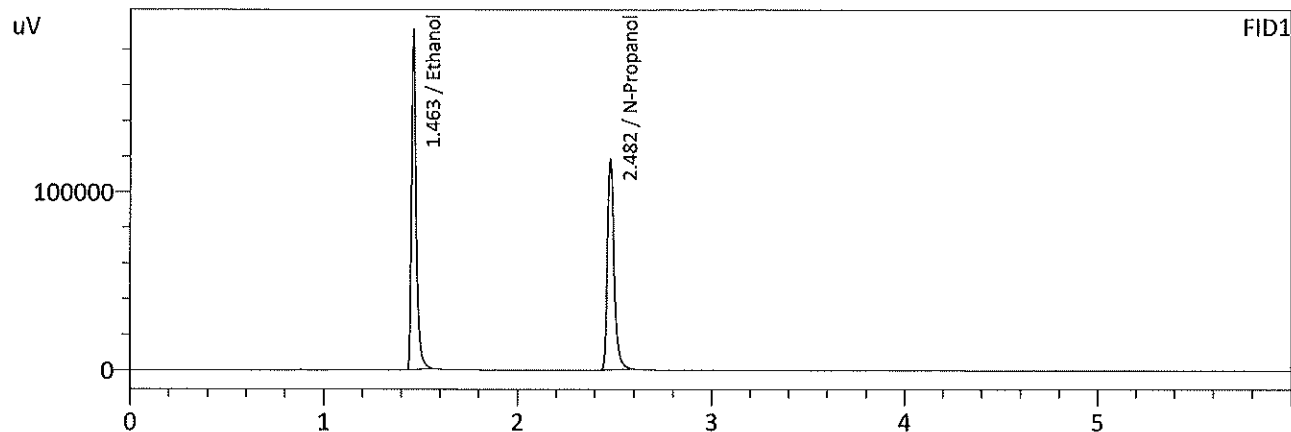
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2978 | 184120 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 280582 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2976 | 207120 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 315614 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : 0.500
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:39:51 PM
 Vial # : 6
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

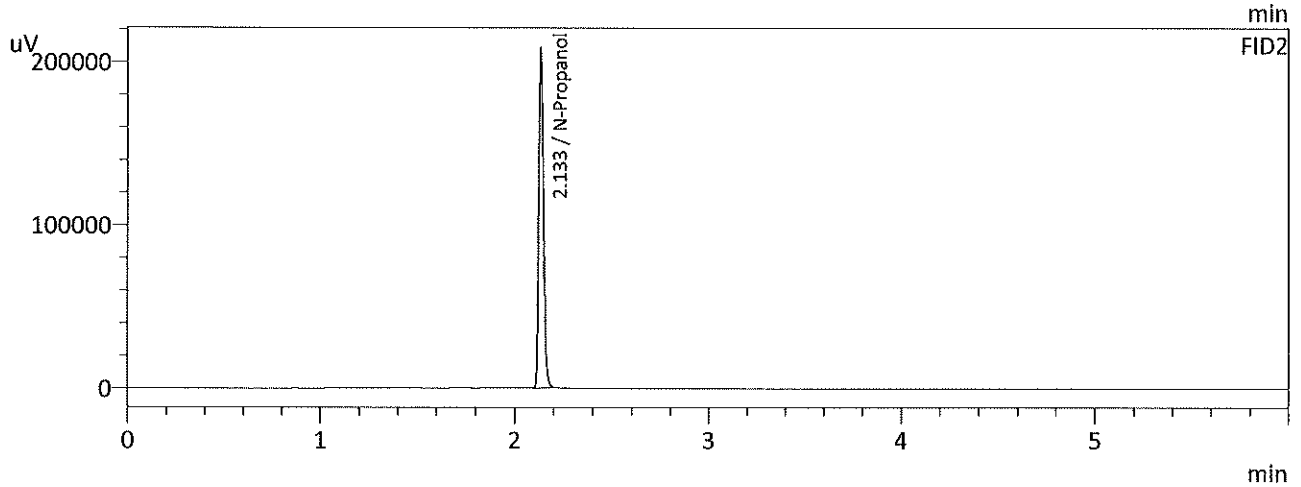
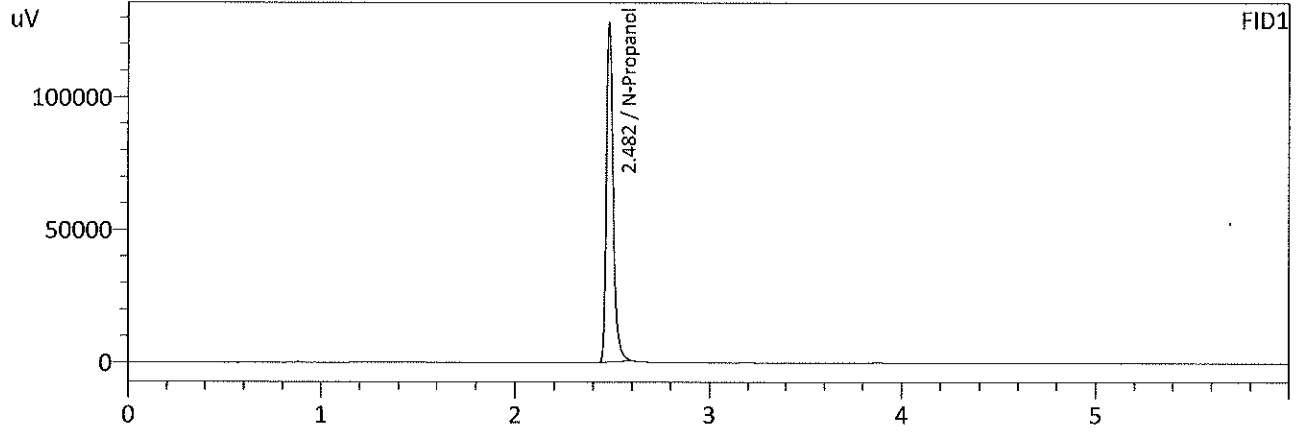
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.5025 | 318749 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 283866 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.5028 | 359601 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 319202 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : INT STD BLK 1
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 11:52:22 AM
 Vial # : 1
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

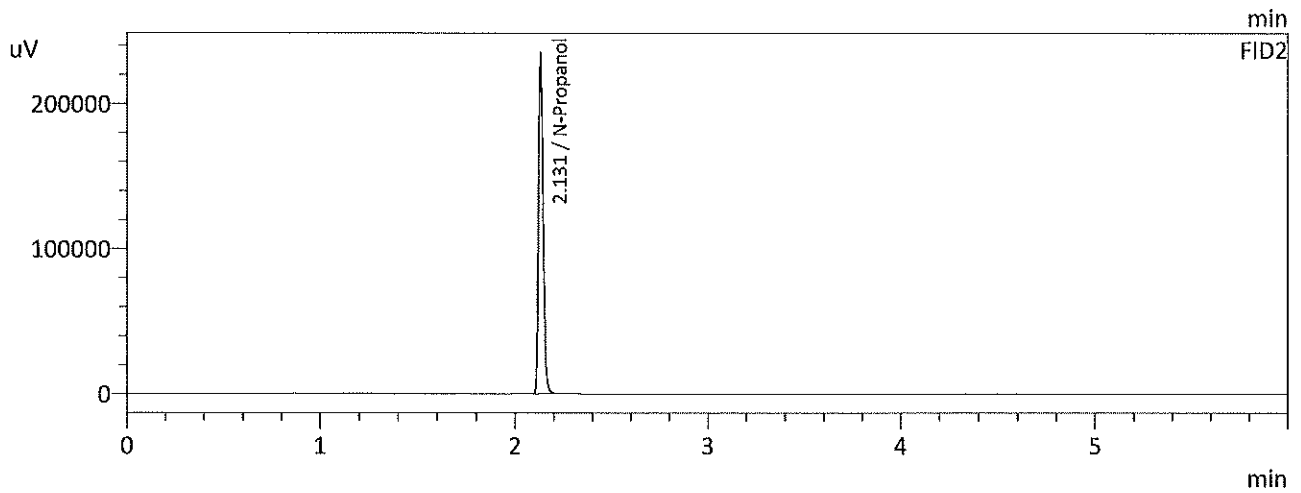
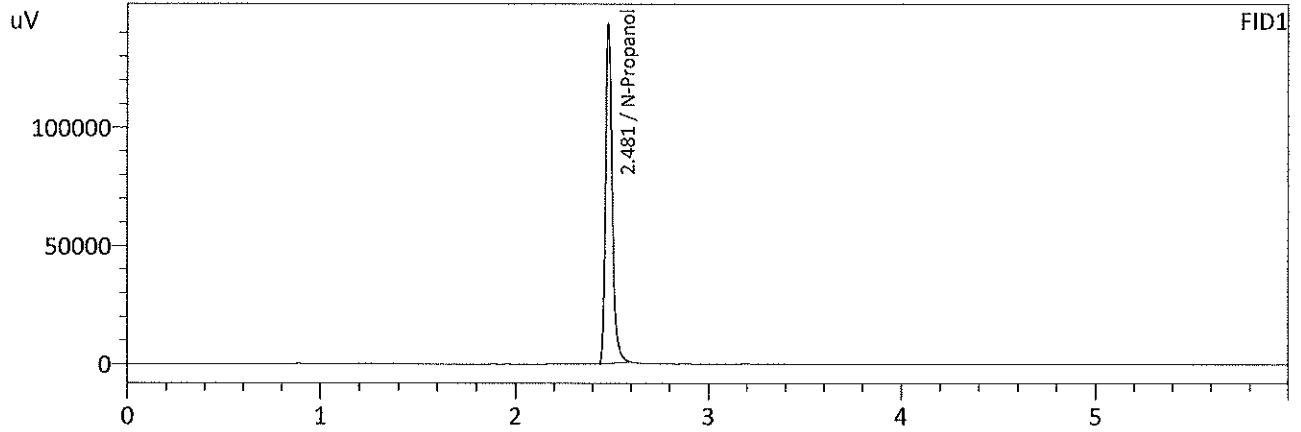
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 306936 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 345979 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : INT STD BLK 2
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:50:34 PM
 Vial # : 7
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

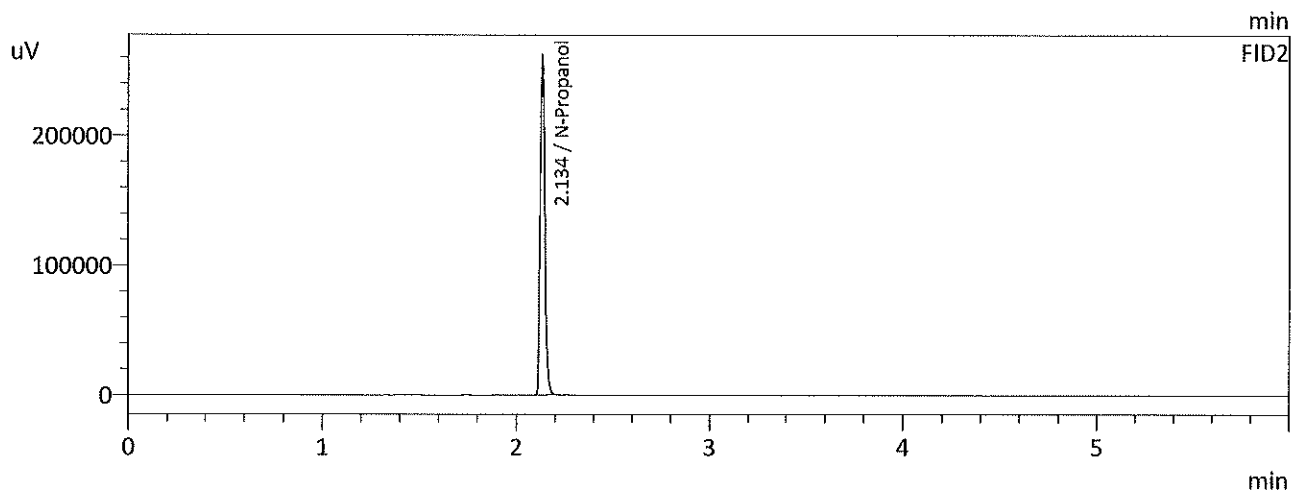
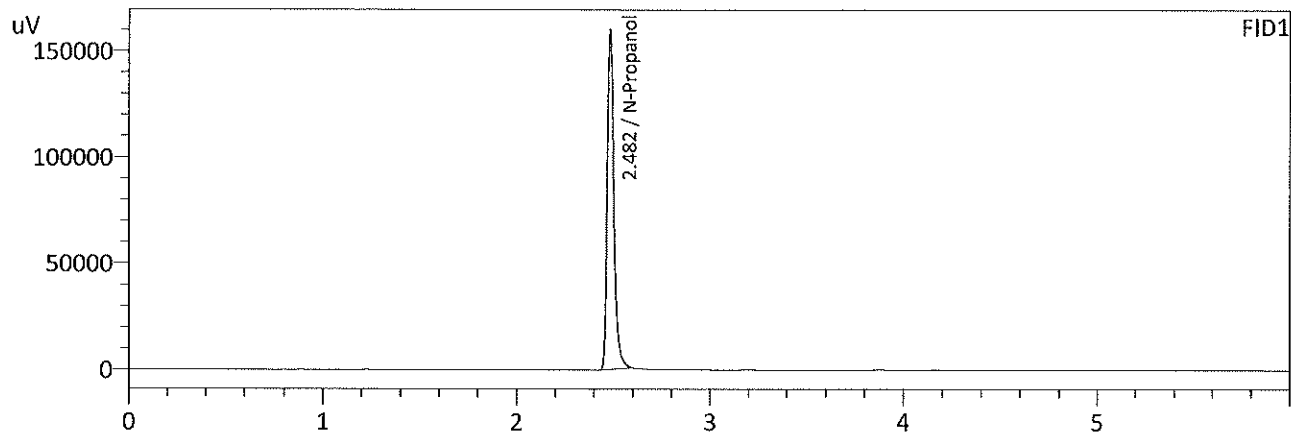
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 343955 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 388084 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : INT STD BLK 3
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 1:09:58 PM
 Vial # : 9
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

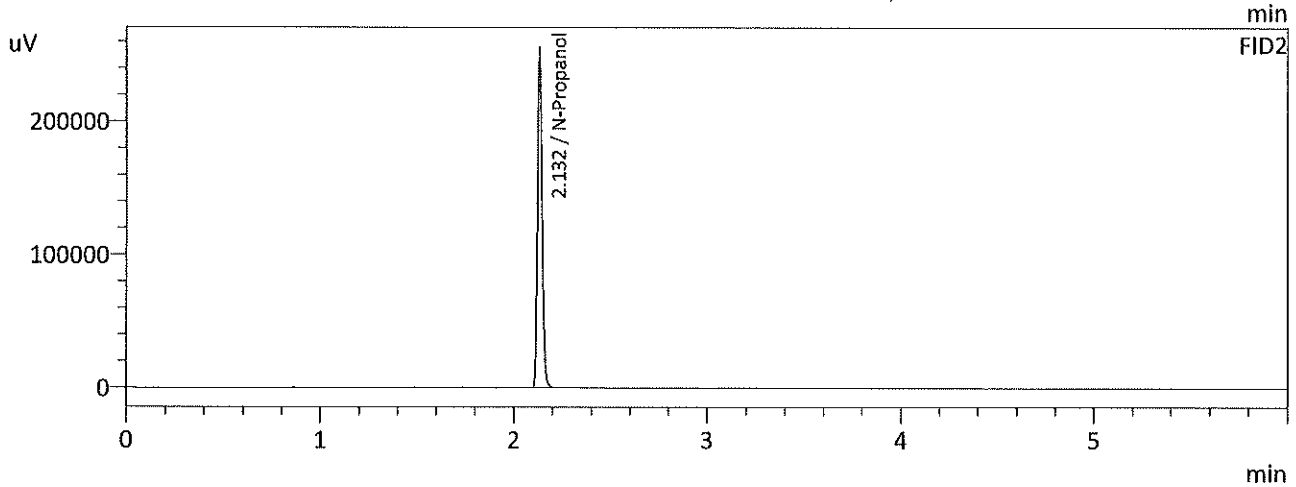
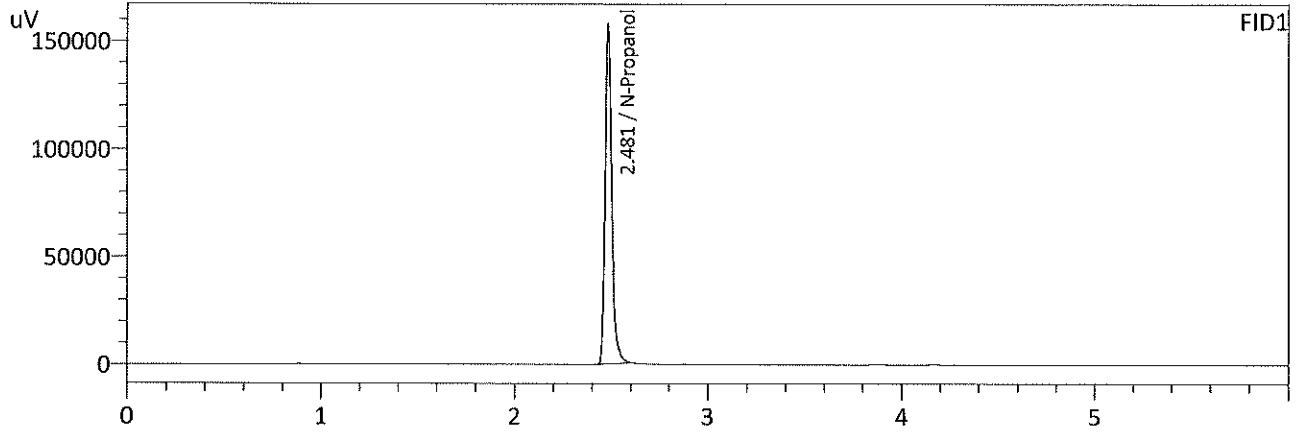
| Name | Conc. | Area | Unit |
|-----------------------|--------|----------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 383495 ✓ | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|----------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 433016 ✓ | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : INT STD BLK 4
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 8:45:05 PM
 Vial # : 56
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

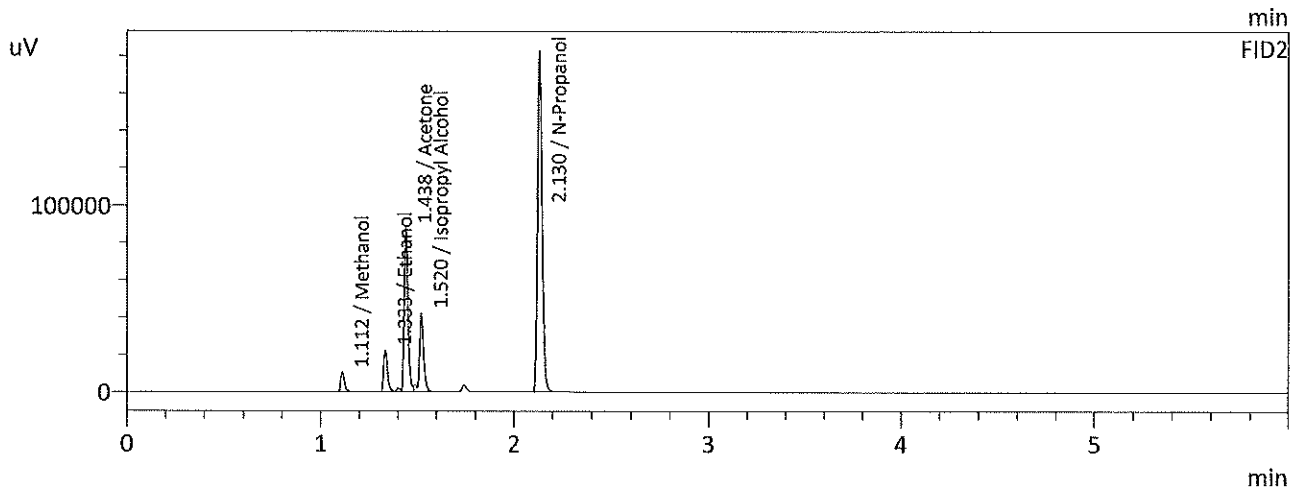
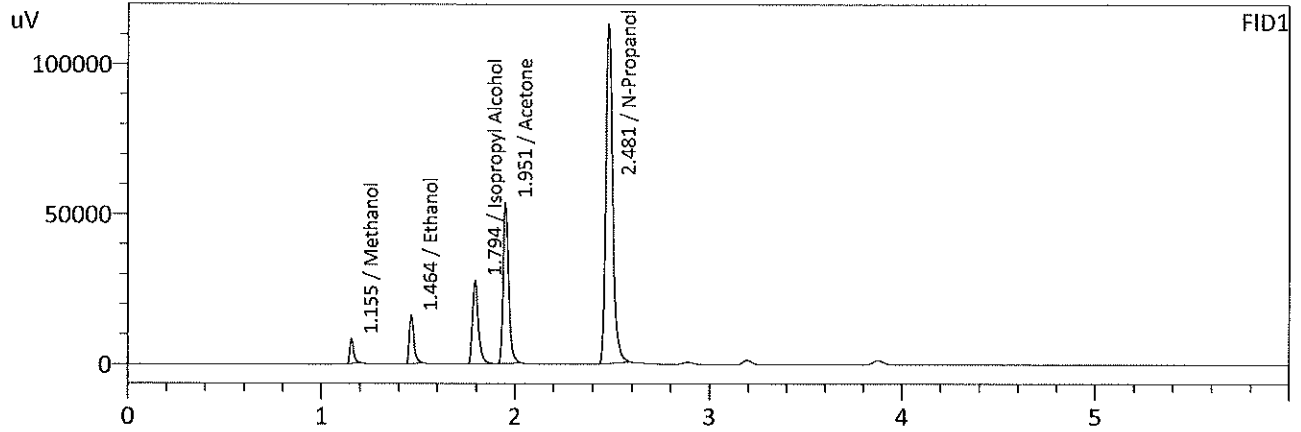
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 377918 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 420967 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : MULTI-COMP MIX
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 12:59:15 PM
 Vial # : 8
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 1.0000 | 11326 | g/100cc |
| Ethanol | 0.0531 | 26610 | g/100cc |
| Isopropyl Alcohol | 1.0000 | 56130 | g/100cc |
| Acetone | 1.0000 | 106570 | g/100cc |
| N-Propanol | 0.0000 | 270134 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | 1.0000 | 13402 | g/100cc |
| Ethanol | 0.0554 | 30564 | g/100cc |
| Acetone | 1.0000 | 122282 | g/100cc |
| Isopropyl Alcohol | 1.0000 | 64747 | g/100cc |
| N-Propanol | 0.0000 | 301580 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: 0.080

Item #

Analysis Date(s): 9/14/2022

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|----------------|-------------------|-------------------|------------------|------------|--------------------------|---------------|
| Sample Results | 0.0814 | 0.0814 | 0.0000 | 0.0814 | 0.0001 | 0.0814 |
| (g/100cc) | 0.0815 | 0.0815 | 0.0000 | 0.0815 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

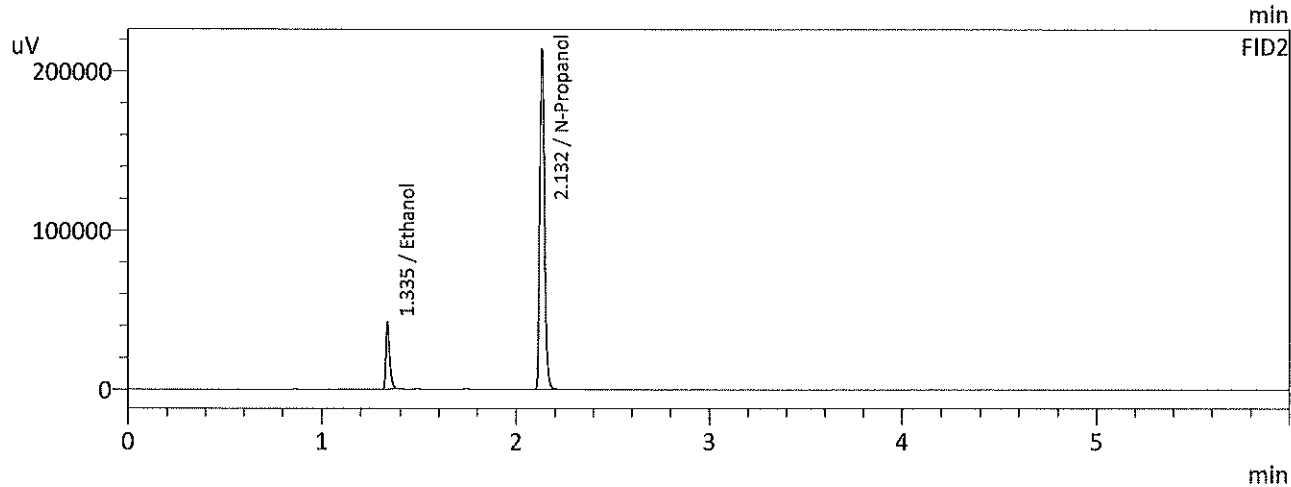
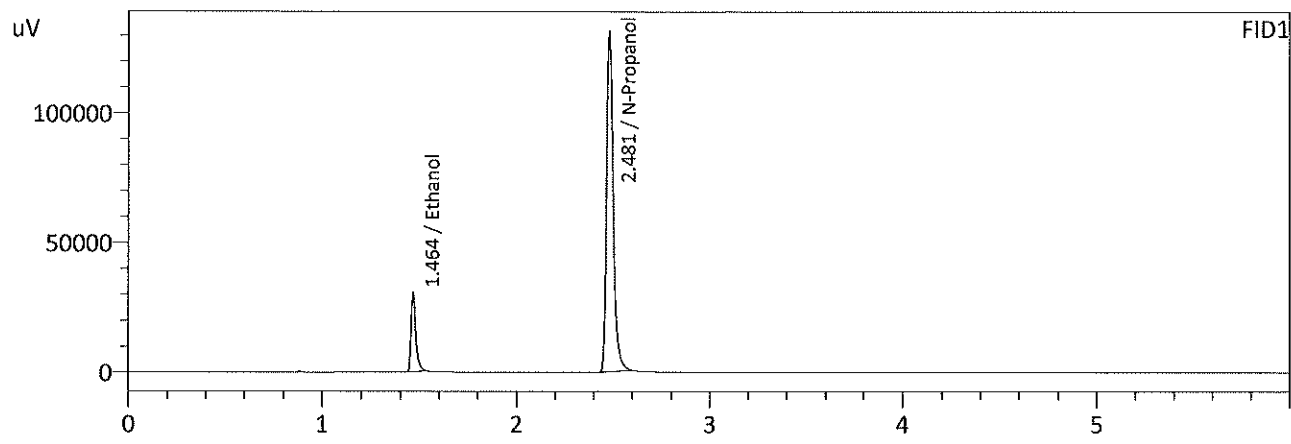
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.081 | 0.076 | 0.086 | 0.005 |

| Reported Result | |
|-----------------|--|
| 0.081 | |

Calibration and control data are stored centrally.

99

Sample Name : 0.08 QA - A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 1:38:03 PM
 Vial # : 12
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

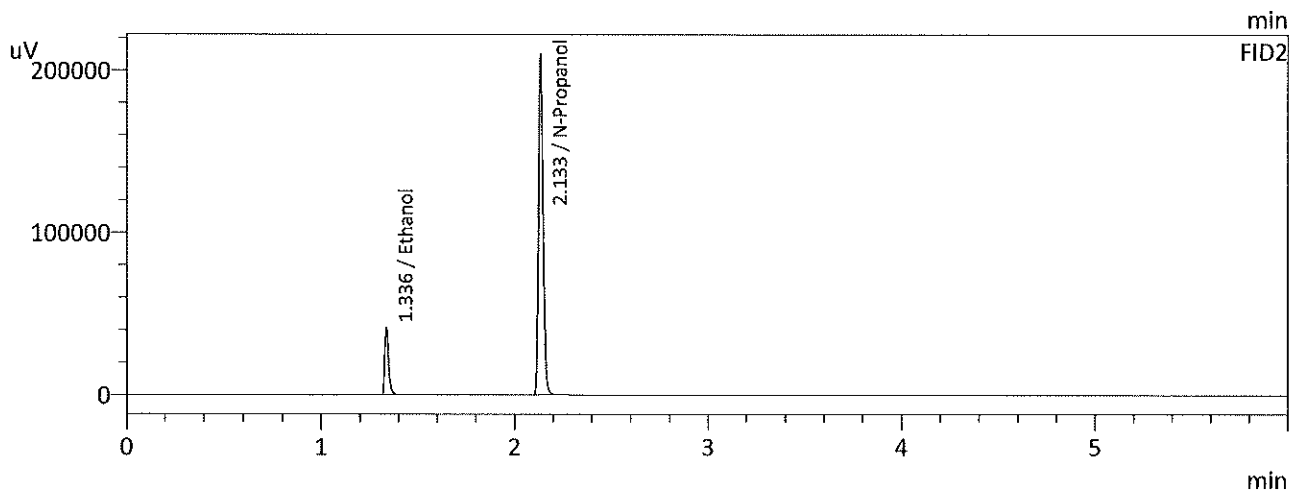
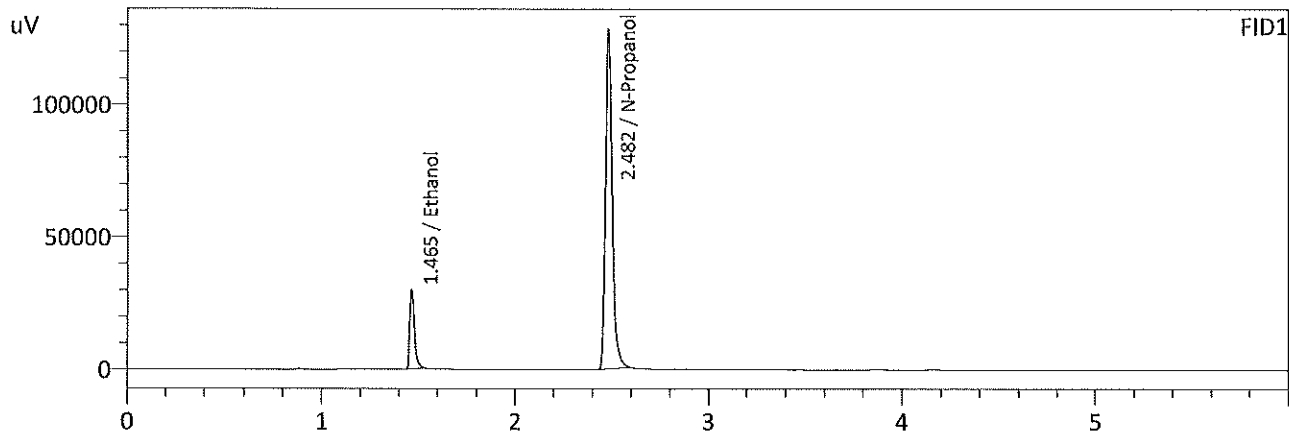
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0814 | 51283 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 314702 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0814 | 57135 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 354645 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : 0.08 QA - B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 1:48:48 PM
 Vial # : 13
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0815 | 50298 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 308351 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0815 | 56046 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 347456 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC1

Item #1

Analysis Date(s): 9/14/2022

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|----------------|-------------------|-------------------|------------------|------------|--------------------------|---------------|
| Sample Results | 0.0803 | 0.0802 | 0.0001 | 0.0802 | 0.0003 | 0.0801 |
| (g/100cc) | 0.0799 | 0.0800 | 0.0001 | 0.0799 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

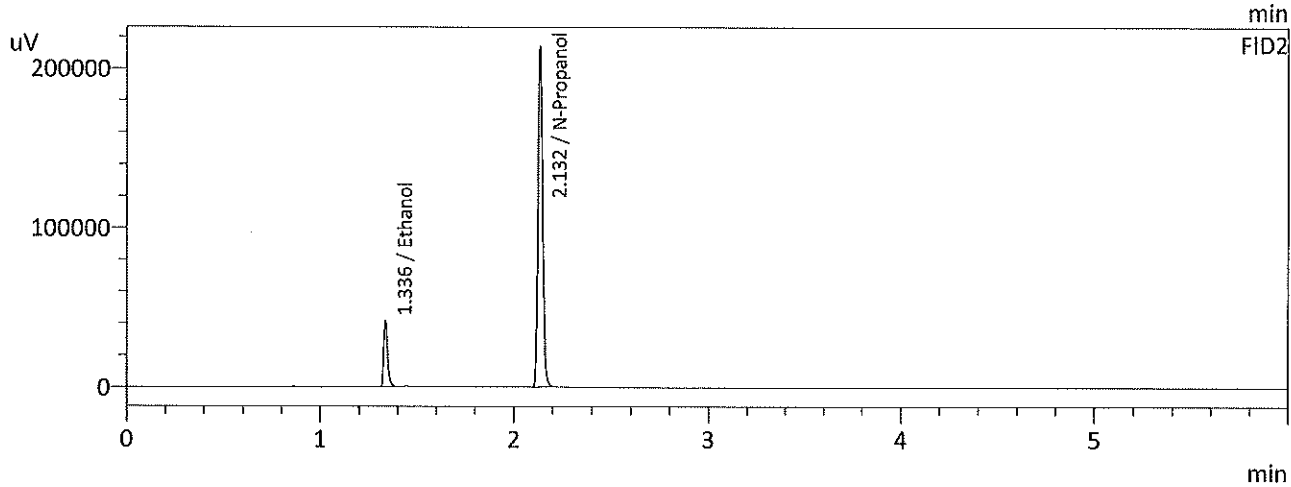
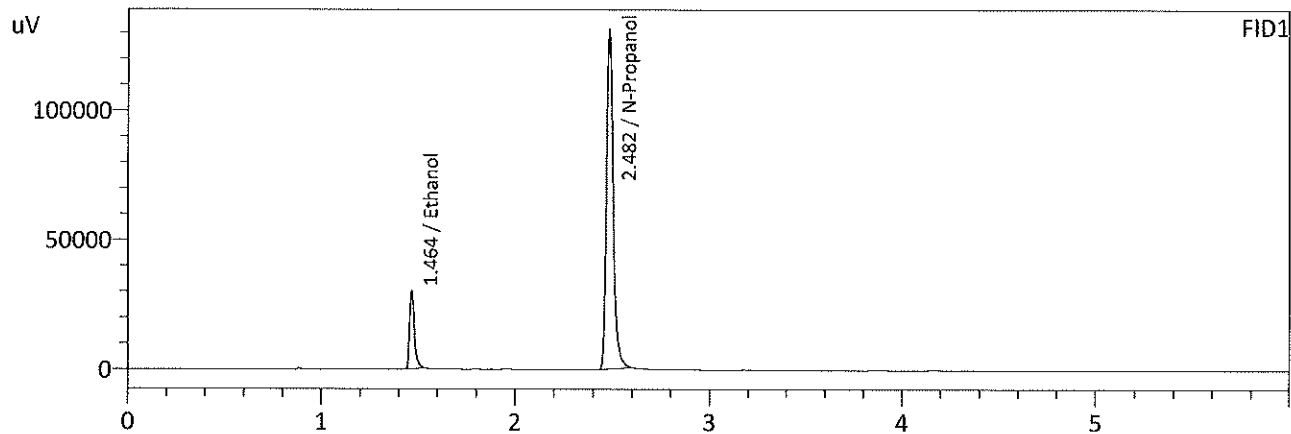
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.080 | 0.076 | 0.084 | 0.004 |

| Reported Result | |
|-----------------|--|
| 0.080 | |

Calibration and control data are stored centrally.



Sample Name : QC-1-1-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 1:18:38 PM
 Vial # : 10
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

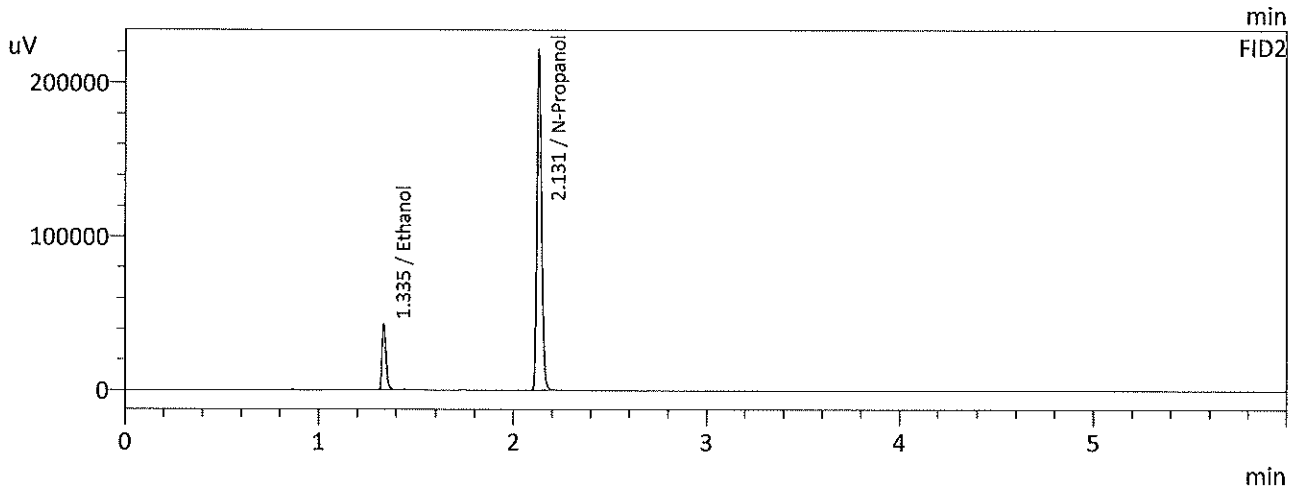
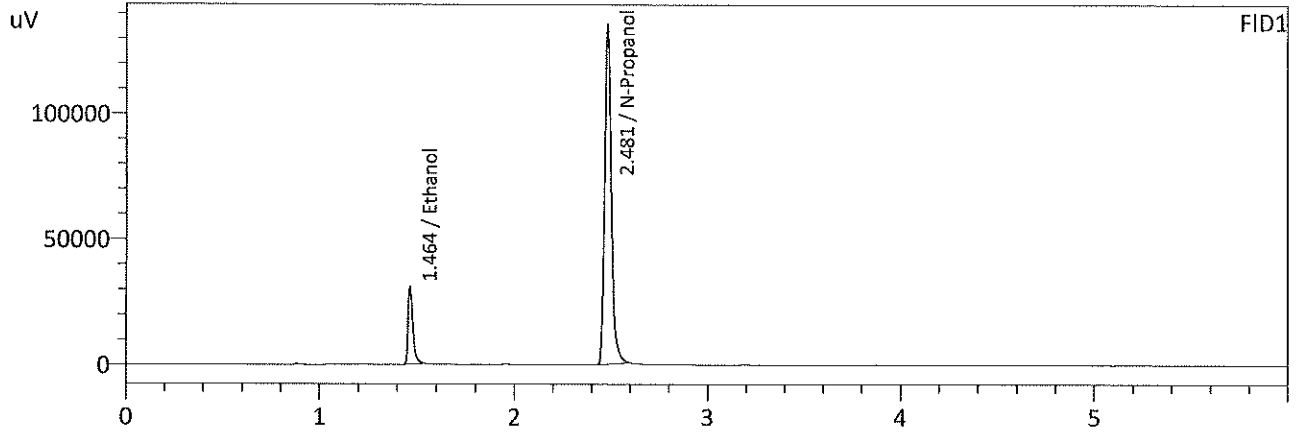
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0803 | 50411 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 314311 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0802 | 56122 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 354350 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : QC-1-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 1:29:23 PM
 Vial # : 11
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0799 | 51824 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 324855 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0800 | 57788 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 366188 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2

Item #1

Analysis Date(s): 9/14/2022

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|----------------|-------------------|-------------------|------------------|------------|--------------------------|---------------|
| Sample Results | 0.2005 | 0.2008 | 0.0003 | 0.2006 | 0.0005 | 0.2009 |
| (g/100cc) | 0.2014 | 0.2009 | 0.0005 | 0.2011 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

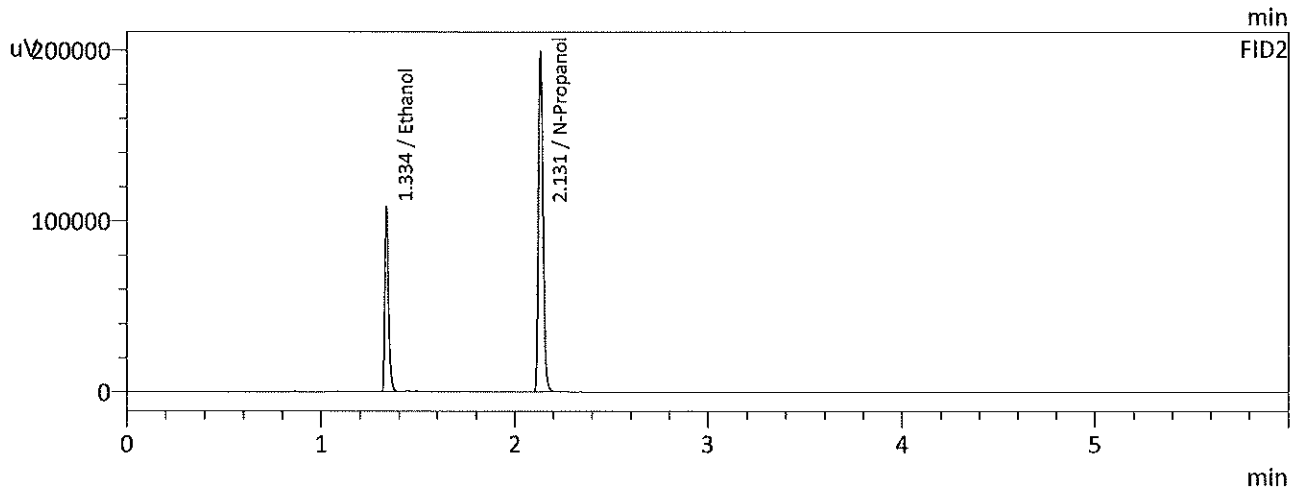
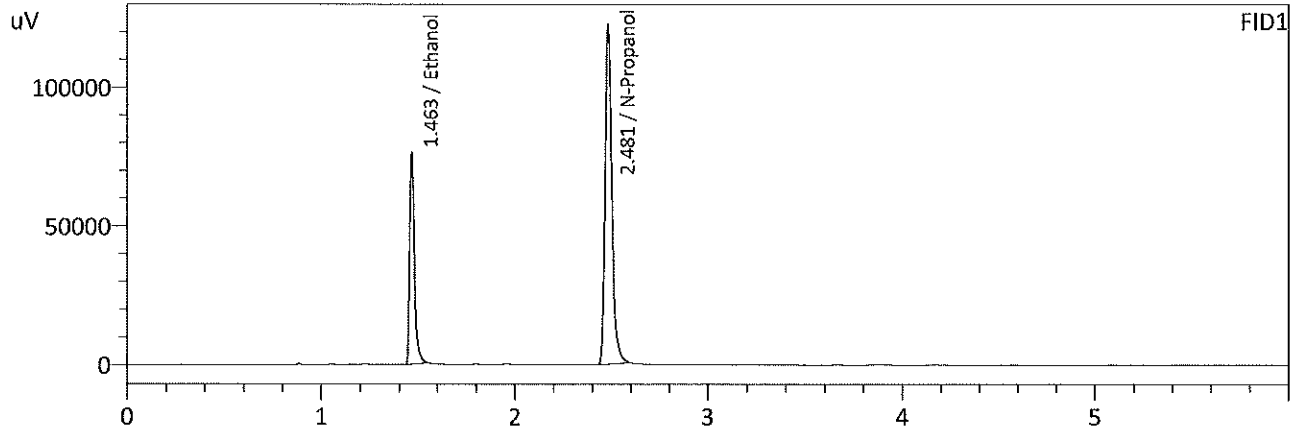
| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.200 | 0.190 | 0.210 | 0.010 |

| Reported Result | |
|-----------------|--|
| 0.200 | |

Calibration and control data are stored centrally.

99

Sample Name : QC-2-1-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 4:52:11 PM
 Vial # : 32
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

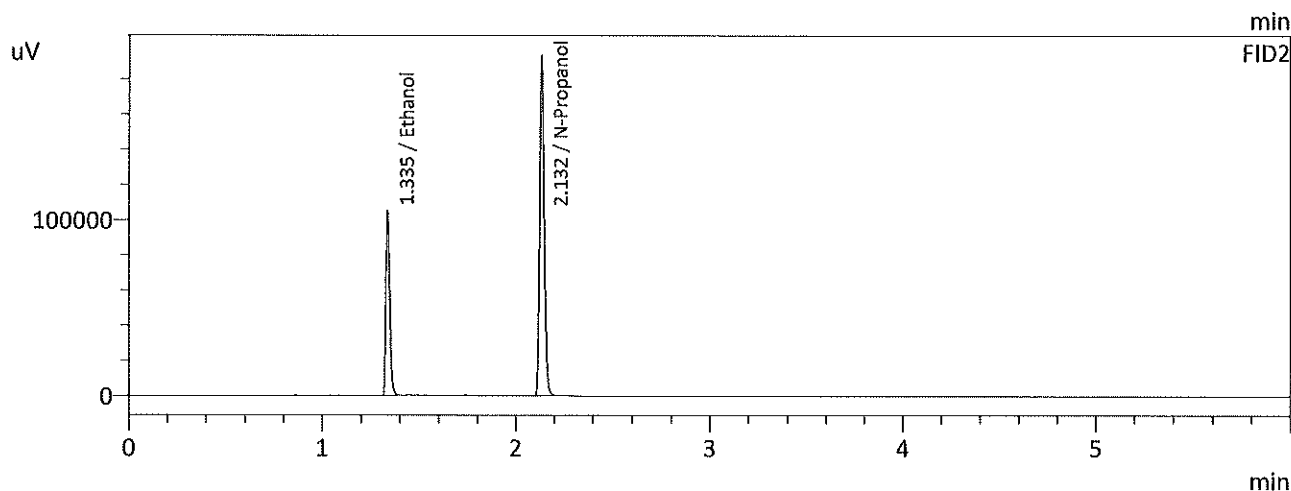
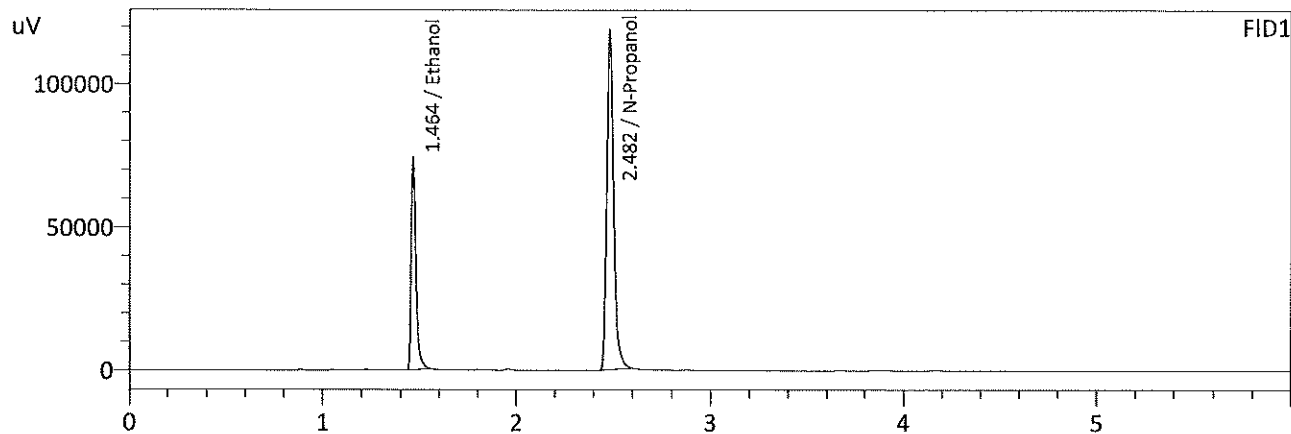
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2005 | 127679 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 293952 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2008 | 143140 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 329463 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : QC-2-1-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 5:02:57 PM
 Vial # : 33
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2014 | 124719 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 285777 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2009 | 139326 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 320380 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

VOLATILES BAC CASEFILE WORKSHEET

Laboratory No.: QC2

Item #2

Analysis Date(s): 9/14/2022

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|----------------|-------------------|-------------------|------------------|------------|--------------------------|---------------|
| Sample Results | 0.2005 | 0.2004 | 0.0001 | 0.2004 | 0.0010 | 0.2009 |
| (g/100cc) | 0.2013 | 0.2016 | 0.0003 | 0.2014 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm

Reporting of Results

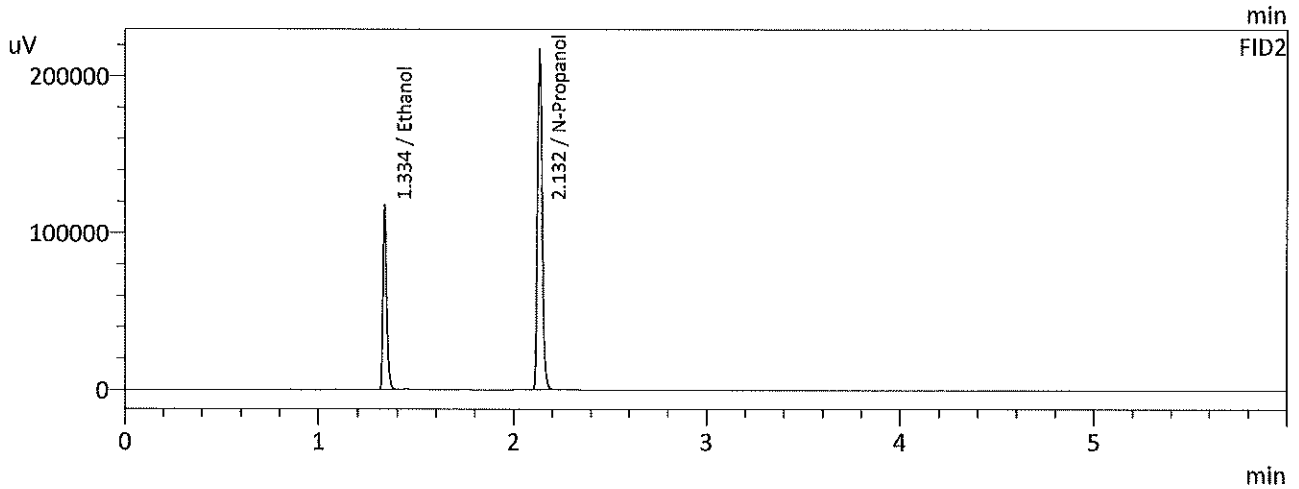
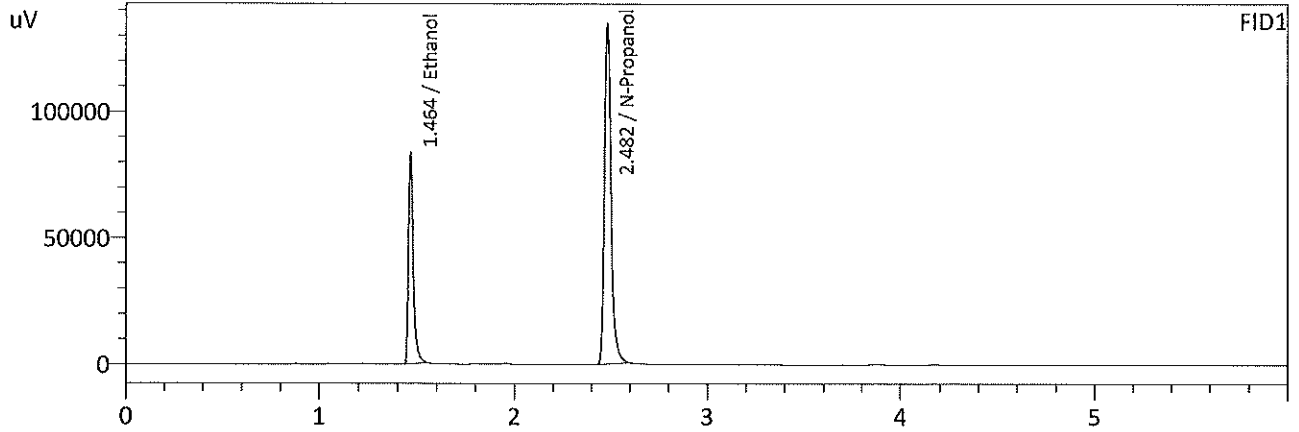
Uncertainty of Measurement (UM%): 5.00%

| Overall Mean (g/100cc) | Low | High | 5% of Mean |
|------------------------|-------|-------|------------|
| 0.200 | 0.190 | 0.210 | 0.010 |

| Reported Result | |
|-----------------|--|
| 0.200 | |

Calibration and control data are stored centrally.

Sample Name : QC-2-2-A
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 8:25:50 PM
 Vial # : 54
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

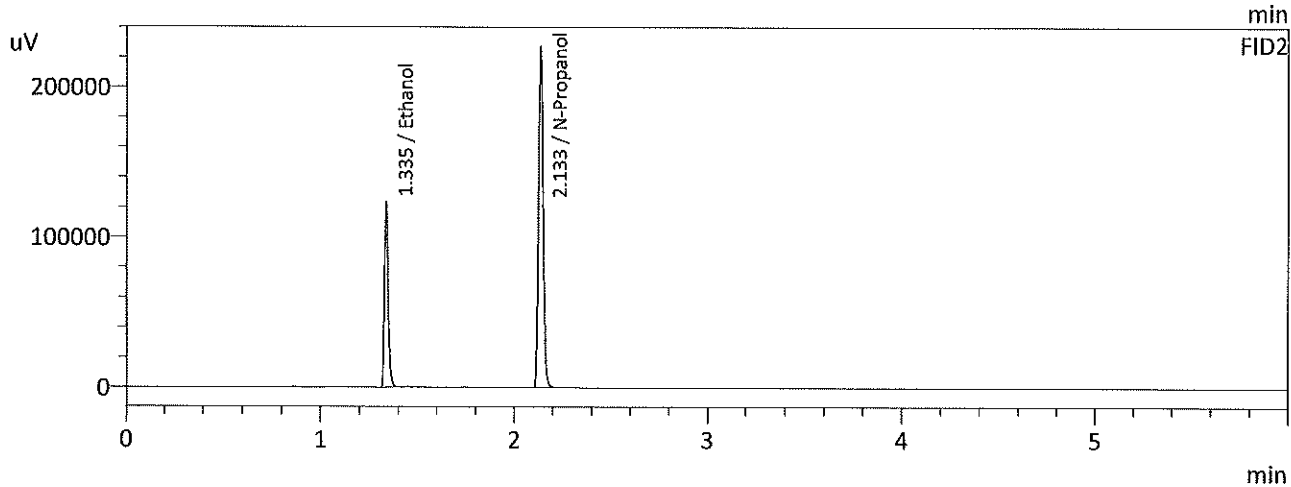
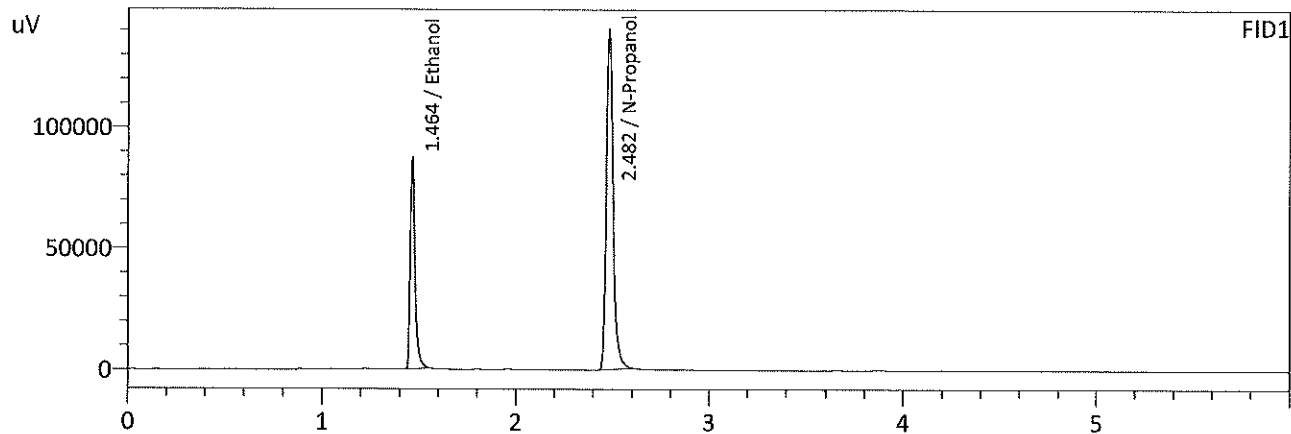
| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2005 | 140500 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 323455 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2004 | 155842 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 359380 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Sample Name : QC-2-2-B
 Laboratory : Coeur d' Alene Lab
 Injection Date : 9/14/2022 8:36:34 PM
 Vial # : 55
 Method Filename : C:\LabSolutions\Data\9-13-22a\ALCOHOL.GCM
 Instrument #GC/HS : C12255850700 / C12595700181



FID1

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2013 | 147146 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 337316 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|-----------------------|--------|--------|---------|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2016 | 163679 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 375155 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

99

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP DEV BLA-22-02

Date of Request: 7/29/22

Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol

Analytical Method/Quality Standard, Revision #: 4.3.9.1.3 revision 10

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):

Blood alcohol and other volatiles

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

4.3.9.1.3 revision 10

Acceptable IS recovery values for samples run with a specific calibration curve must have their FID1 and FID2 IS values fall within +/- 20% of the mean values established in 4.3.9.1.1.

Request to add the word "case" between for and samples so it reads:

"Acceptable IS recovery values for case samples run with..."

Technical Justification for Analytical Method Deviations:

This was discussed and agreed upon in previous Alcohol Discipline meetings. This additional clarification will minimize any potential misinterpretations of the requirement.

Technical Review

Departure approved

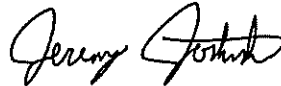
Comments: This will work for the immediate future until the method can be updated in a permanent manner. This deviation will be in effect until 12/31/2022 when the method will be updated to reflect the new language and understanding of the internal standard monitoring.

Departure Not Approved

Comments:

Approver: Jeremy Johnston
Title: Volatiles Analysis Discipline Lead

Date: 8/3/2022



Quality Review

Quality Approver: Corinna Owsley
Title: Acting Quality Manager
Date: 8/4/2022

