REVIEWED
By Galina Giso at 12:52 pm, Nov 10, 2025

## Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

*Analytical Method(s): 1.0*

*Device: Hamilton MICROLAB Liquid Processor/Dilutor* *Serial Number:* *ML600HC11378*

**Volatiles Quality Assurance Controls** **Run Date(s):** 11/7/25

**Calibration Date:** *(if different)* 10/30/25

**Worklist #:** 7299

| Control level | Expiration | Lot # | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|---|---|
| Level 1 | May-27 | 2302199 | 0.0837 | 0.0754-0.0920 | 0.0814 g/100cc |
| | | | | | g/100cc |
| | | | | | g/100cc |
| Level 2 | May-27 | 2302120 | 0.2054 | 0.1849-0.2259 | g/100cc |
| | | | | | 0.2063 g/100cc |
| | | | | | 0.2059 g/100cc |
| Multi-Component mixture: | | Exp: May 2028 | | Lot # FN05302307 | |
| Curve Fit: | | | Column 1 0.99996 | Column2 | 0.99994 |

### Ethanol Calibration Reference Material

| Calibrator level | Target Value | Acceptable Range | Column 1 | Column 2 | Precision | Mean |
|---|---|---|---|---|---|---|
| 50 | 0.050 | 0.045 - 0.055 | 0.0515 | 0.0519 | 0.0004 | 0.0517 |
| 100 | 0.100 | 0.090 - 0.110 | 0.0990 | 0.0987 | 0.0003 | 0.0988 |
| 200 | 0.200 | 0.180 - 0.220 | 0.1991 | 0.1989 | 0.0002 | 0.199 |
| 300 | 0.300 | 0.270 - 0.330 | 0.2997 | 0.2996 | 0.0001 | 0.2996 |
| 400 | 0.400 | 0.360 - 0.440 | N/A | N/A | ######## | #DIV/0! |
| 500 | 0.500 | 0.450 - 0.550 | 0.5005 | 0.5006 | 0.0001 | 0.5005 |

### Aqueous Controls

| Control level | Target Value | Acceptable Range | Overall Results |
|---|---|---|---|
| 80 | 0.080 | 0.076 - 0.084 | 0.082 g/100cc |

JC

# Internal Standard Monitoring Worksheet

**Worklist #:** 7299 **Run Date(s):** 11/7/25

| Internal Standard Solution: | Prep Date: 9/5/2025 | Exp Date: 3/5/2026 |
|---|---|---|

| Sample Name | Column 1 Value | Column 2 Value |
|---|---|---|
| 0.080 | 171172 | 179704 |
| 0.080 | 171757 | 180051 |
| QC1 | 176579 | 185238 |
| QC1 | 173618 | 182298 |
| QC1 | | |
| QC1 | | |
| QC1 | | |
| QC1 | | |
| QC2 | 188972 | 199036 |
| QC2 | 191144 | 202293 |
| QC2 | 197775 | 207721 |
| QC2 | 202503 | 212863 |
| QC2 | | |
| QC2 | | |

| | Average | (-)20% | (+)20% |
|---|---|---|---|
| Column 1 | 184190.0 | 147352.0 | 221028.0 |
| Column 2 | 193650.5 | 154920.4 | 232380.6 |

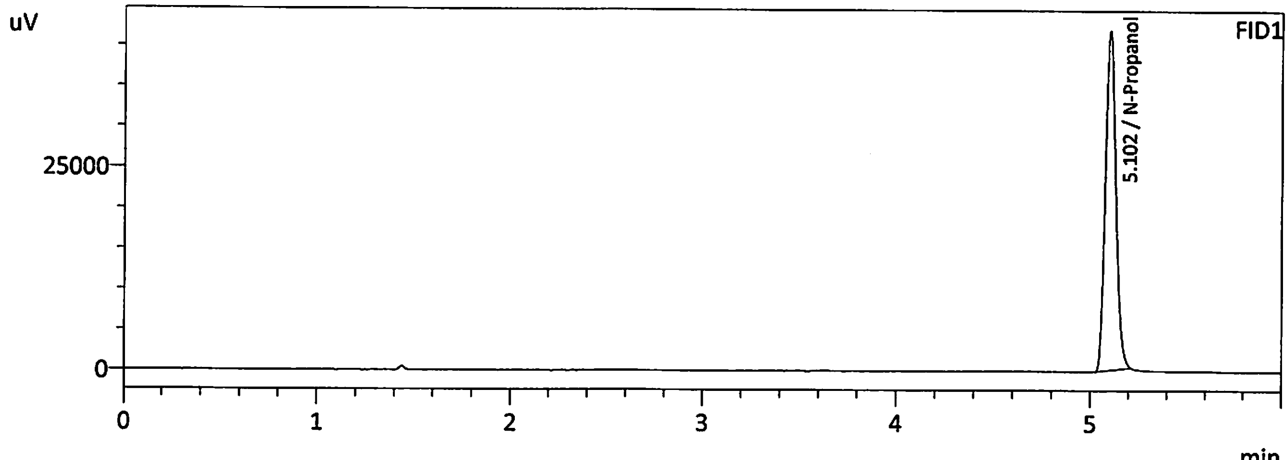
JG

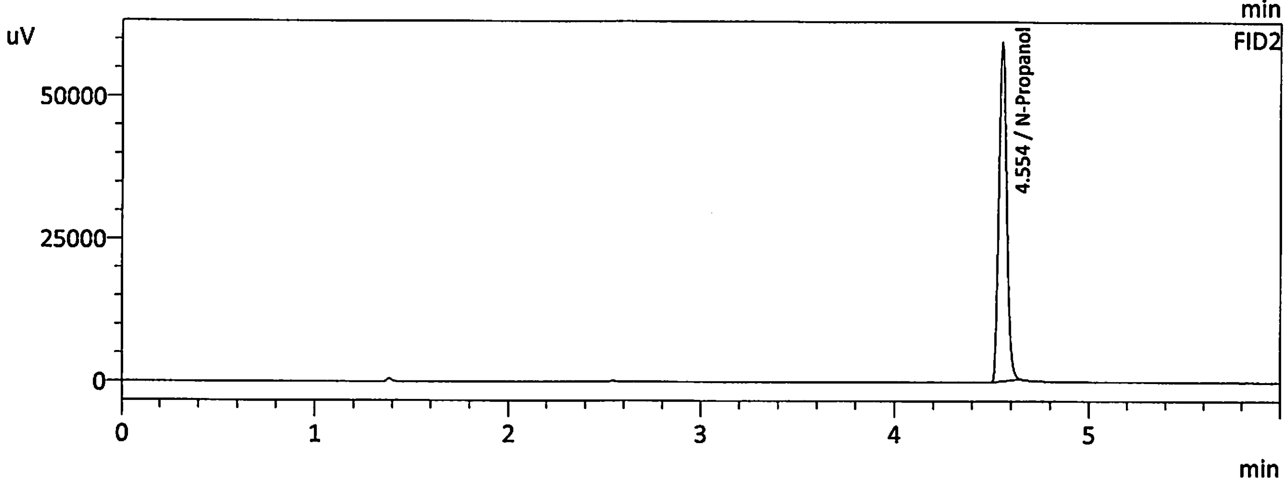
**Worklist: 7299**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| M2025-4424 | 1 | BCK | Alcohol Analysis |
| M2025-4436 | 1 | BCK | Alcohol Analysis |
| M2025-4441 | 1 | BCK | Alcohol Analysis |
| M2025-4443 | 1 | BCK | Alcohol Analysis |
| M2025-4444 | 1 | BCK | Alcohol Analysis |
| M2025-4446 | 1 | BCK | Alcohol Analysis |
| M2025-4460 | 1 | BCK | Alcohol Analysis |
| M2025-4466 | 1 | BCK | Alcohol Analysis |
| M2025-4467 | 1 | BCK | Alcohol Analysis |
| M2025-4480 | 1 | BCK | Alcohol Analysis |
| M2025-4481 | 1 | BCK | Alcohol Analysis |
| M2025-4487 | 1 | BCK | Alcohol Analysis |
| M2025-4500 | 1 | BCK | Alcohol Analysis |
| M2025-4501 | 1 | BCK | Alcohol Analysis |
| M2025-4503 | 1 | BCK | Alcohol Analysis |
| M2025-4514 | 1 | BCK | Alcohol Analysis |
| M2025-4520 | 1 | BCK | Alcohol Analysis |
| M2025-4533 | 3 | BCK | Alcohol Analysis |

JG

Sample Name : INT STD BLK 1
Laboratory : Meridian
Injection Date : 11/7/2025 3:36:20 PM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

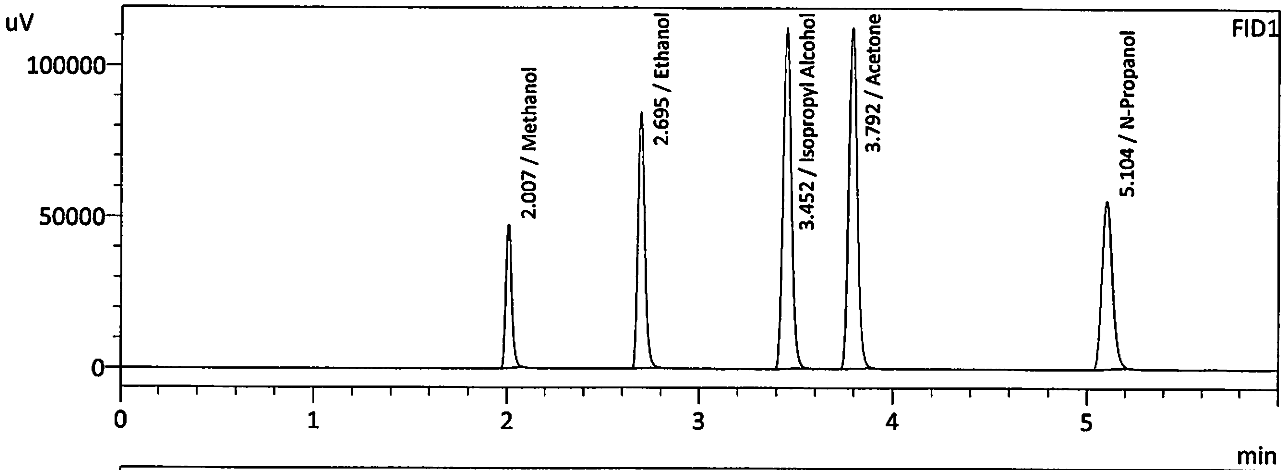
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 158970 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

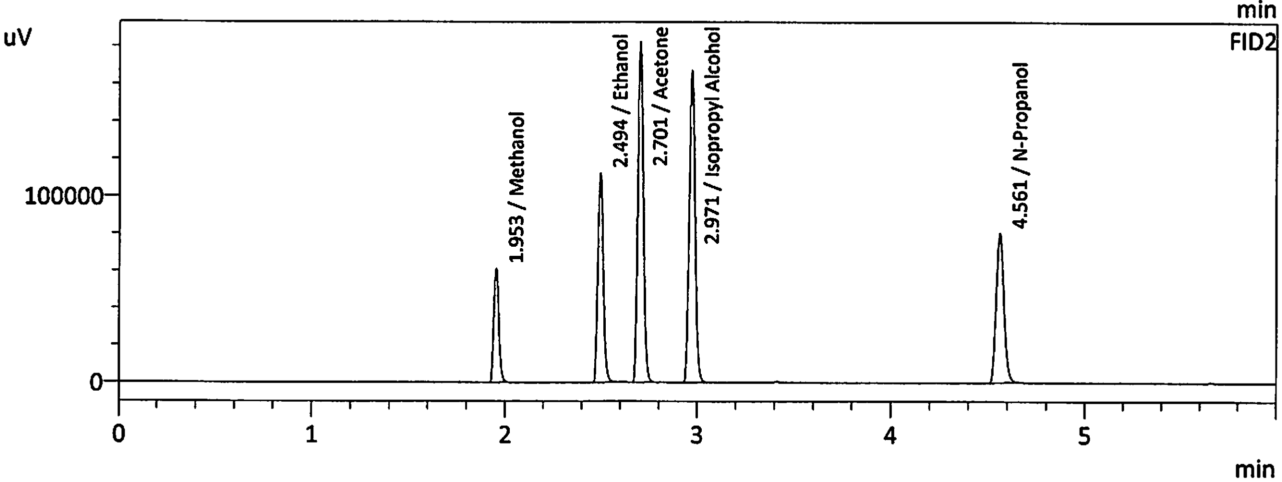
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 165974 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JL

Sample Name : MIXED VOLATILES FN 05302307
Laboratory : Meridian
Injection Date : 11/7/2025 3:49:05 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | 0.0000 | 101242 | g/100cc |
| Ethanol | 0.4368 | 205578 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 333977 | g/100cc |
| Acetone | 0.0000 | 339384 | g/100cc |
| N-Propanol | 0.0000 | 210716 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | 0.0000 | 110084 | g/100cc |
| Ethanol | 0.4400 | 218433 | g/100cc |
| Acetone | 0.0000 | 360785 | g/100cc |
| Isopropyl Alcohol | 0.0000 | 350177 | g/100cc |
| N-Propanol | 0.0000 | 220956 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No: QC-1-1** **Analysis Date(s): 11/7/2025 4:01:16 PM(-07:00)**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0809 | 0.0817 | 0.0008 | 0.0813 | 0.0003 | 0.0814 |
| (g/100cc) | 0.0811 | 0.0821 | 0.0010 | 0.0816 | | |

Analysis Method

**Refer to Blood Alcohol Method #1**

Instrument Information Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

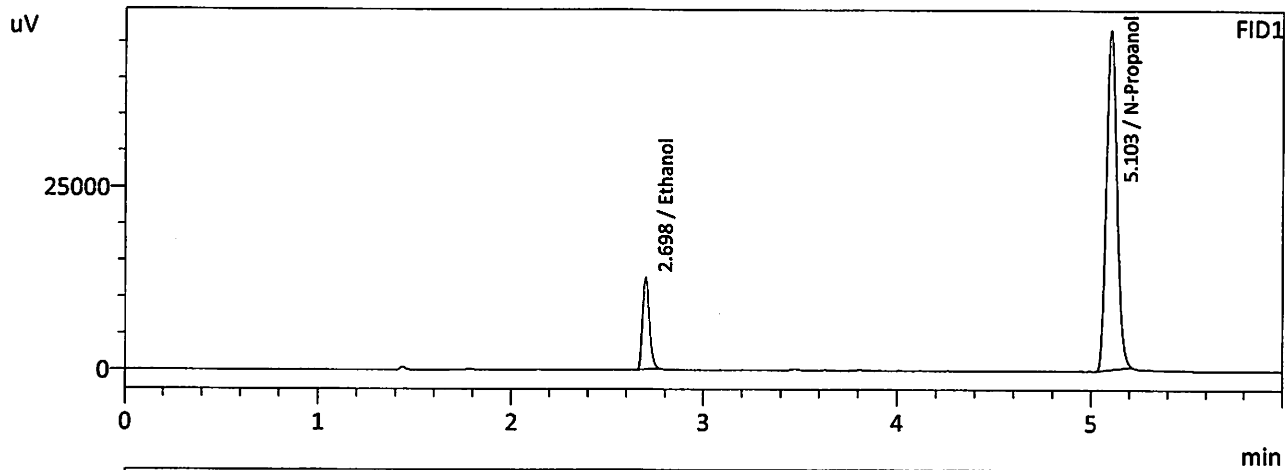
| Reporting of Results | Uncertainty of Measurements (UM%): | | 5.00% |
|---|---|---|---|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.081 | 0.076 | 0.086 | 0.005 |

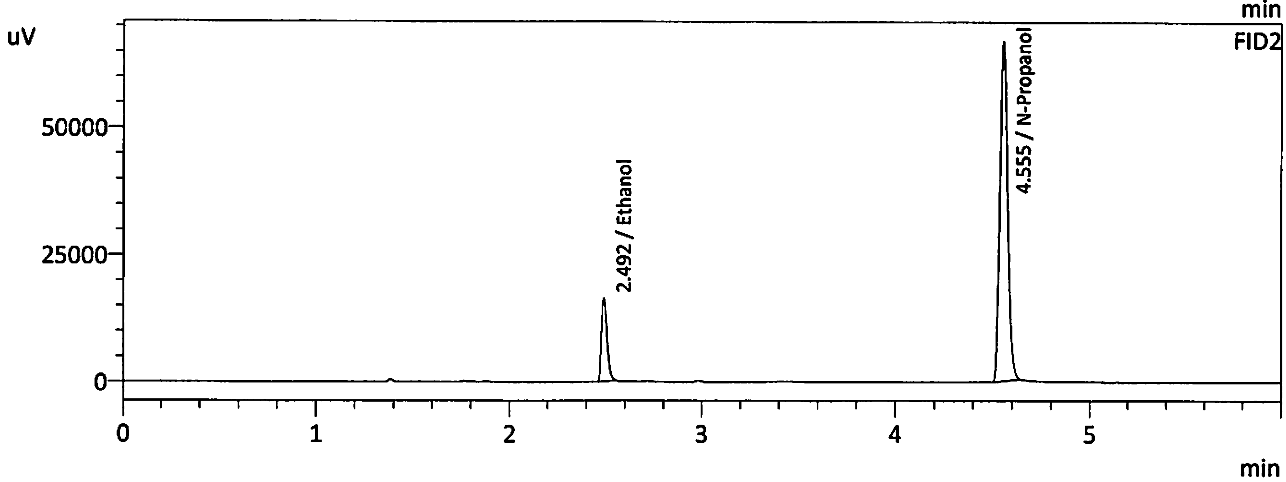
| Reported Results |
|---|
| 0.081 |

Calibration and control data are stored centrally.

JG

Sample Name : QC-1-1
Laboratory : Meridian
Injection Date : 11/7/2025 4:01:16 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

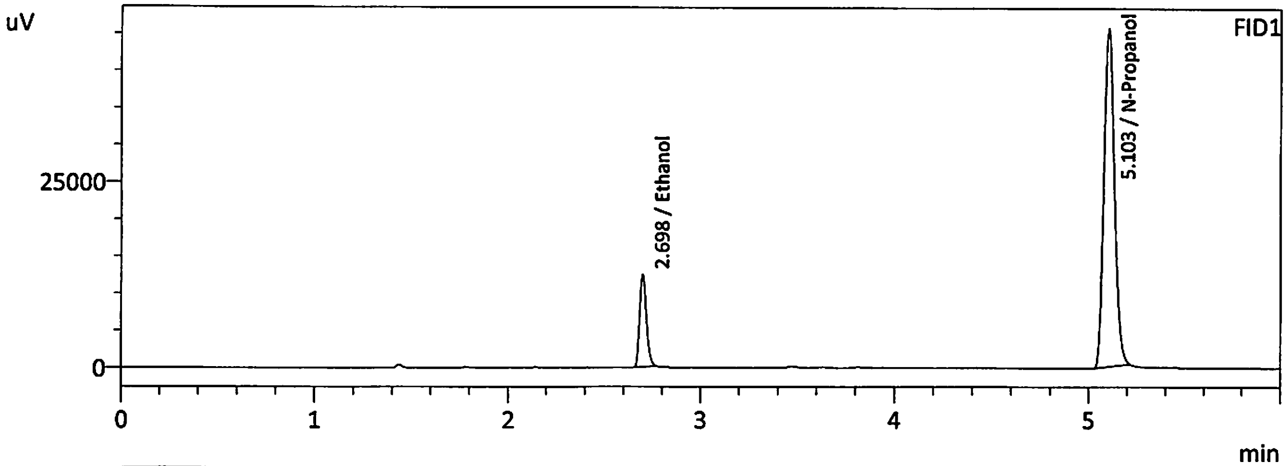
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0809 | 30710 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 176579 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

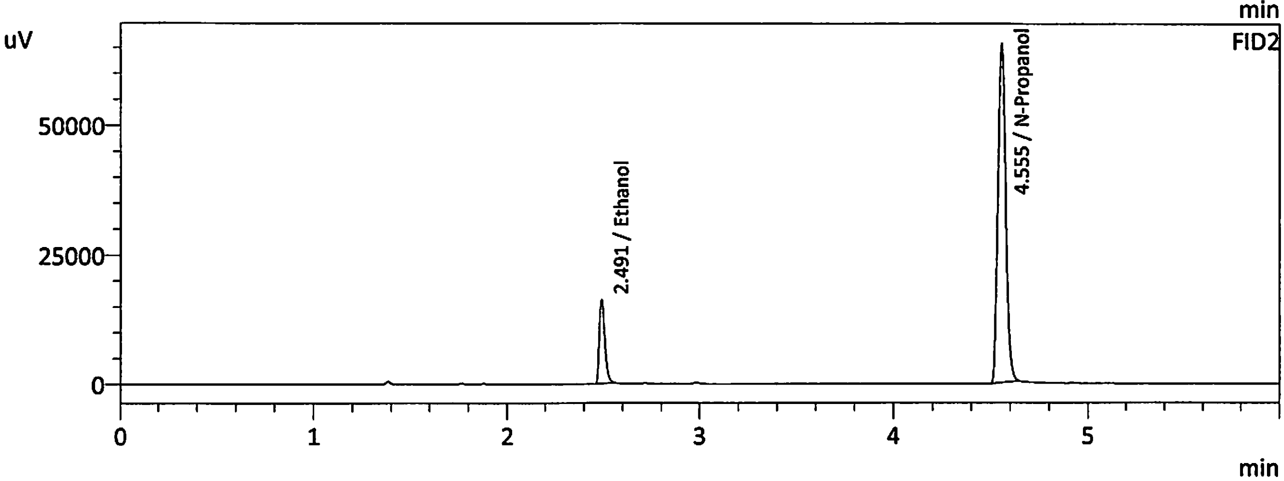
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0817 | 32505 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 185238 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : QC-1-1-B
Laboratory : Meridian
Injection Date : 11/7/2025 4:13:38 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0811 | 30276 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 173618 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0821 | 32148 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 182298 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No: 0.08 QA** **Analysis Date(s): 11/7/2025 4:25:53 PM(-07:00)**

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.0804 | 0.0818 | 0.0014 | 0.0811 | 0.0021 | 0.0821 |
| (g/100cc) | 0.0826 | 0.0838 | 0.0012 | 0.0832 | | |

Analysis Method

**Refer to Blood Alcohol Method #1**

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

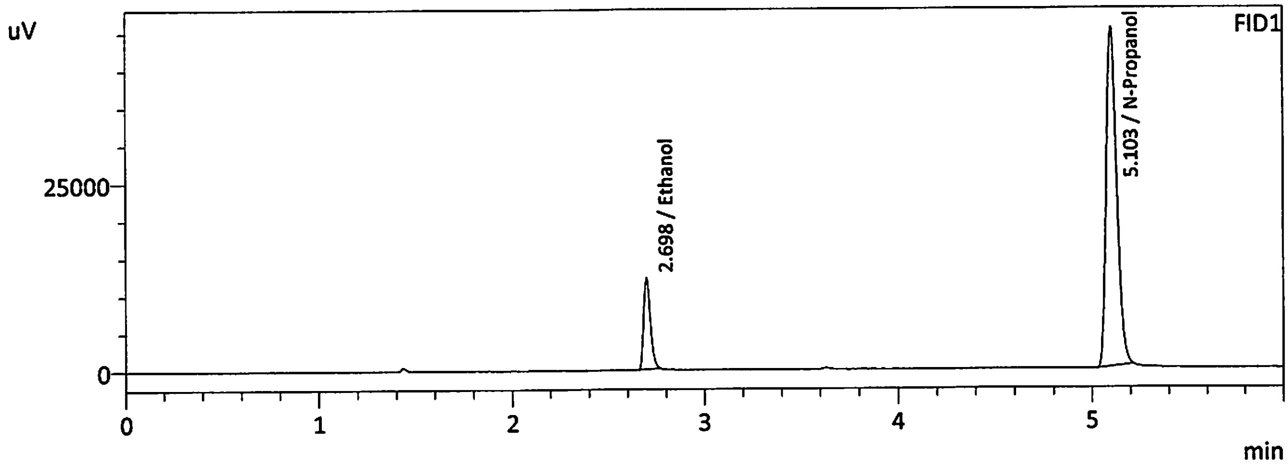
| Reporting of Results | Uncertainty of Measurements (UM%): | | 5.00% |
|---|---|---|---|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.082 | 0.077 | 0.087 | 0.005 |

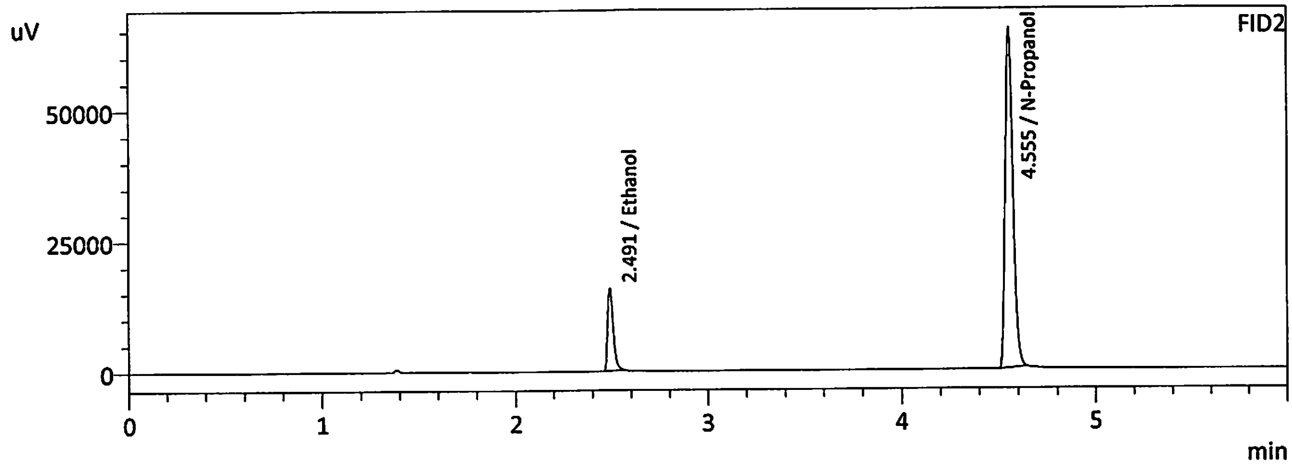
| | Reported Results | |
|---|---|---|
| | 0.082 | |

Calibration and control data are stored centrally.

J6

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 11/7/2025 4:25:53 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

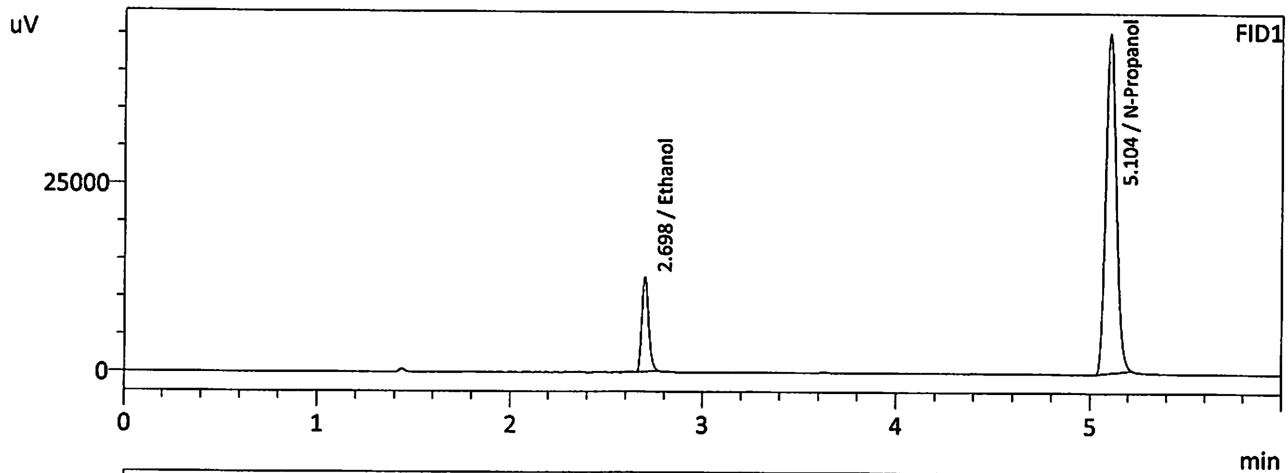
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0804 | 29576 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 171172 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

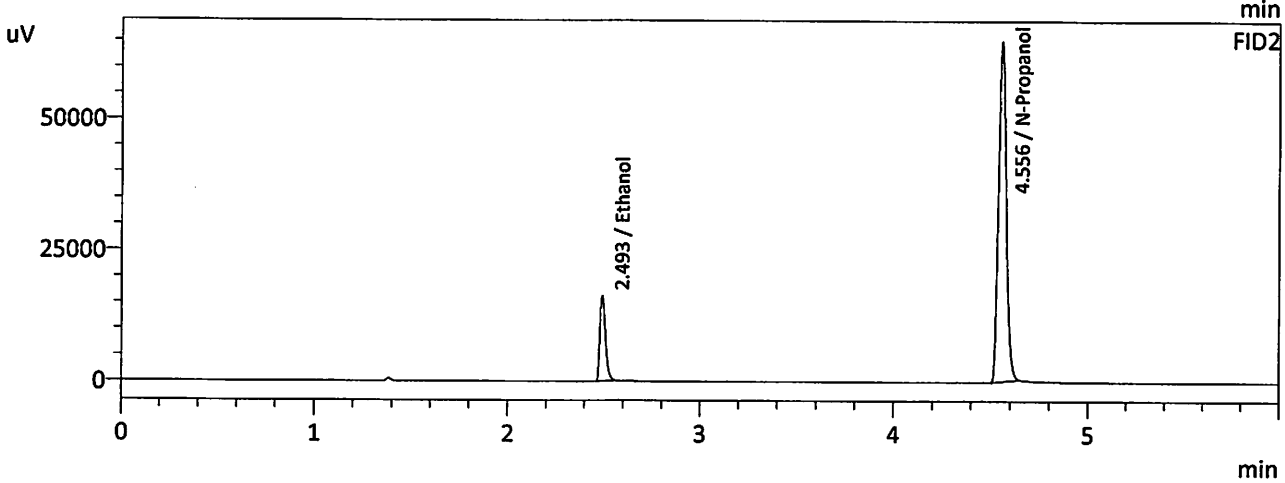
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0818 | 31567 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 179704 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : 0.08 QA
Laboratory : Meridian
Injection Date : 11/7/2025 4:38:24 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0826 | 30517 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 171757 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0838 | 32472 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 180051 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No:** QC-2-1 **Analysis Date(s):** 11/7/2025 8:32:56 PM(-07:00)

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.2041 | 0.2070 | 0.0029 | 0.2055 | 0.0016 | 0.2063 |
| (g/100cc) | 0.2060 | 0.2082 | 0.0022 | 0.2071 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

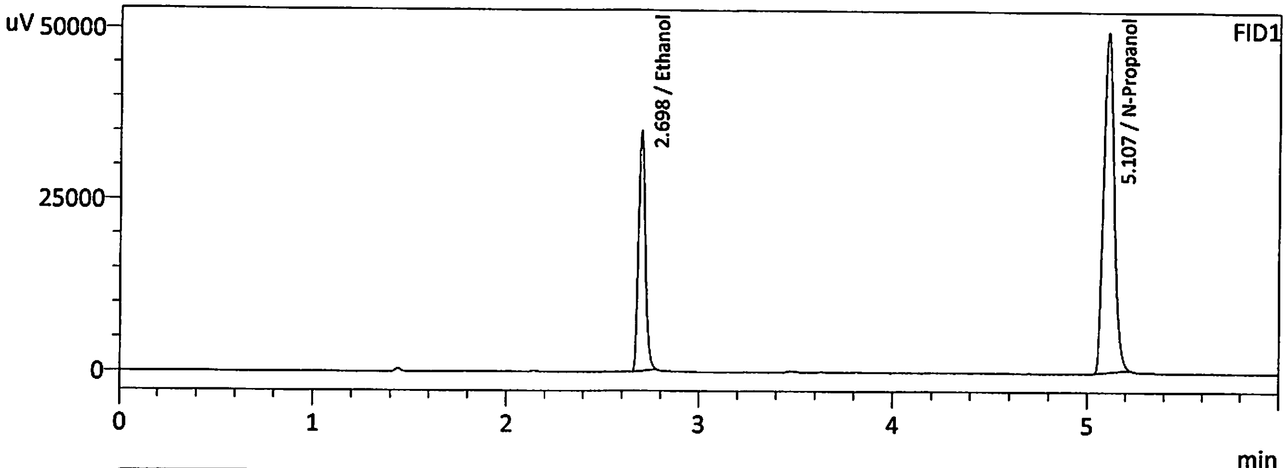
| Reporting of Results | Uncertainty of Measurements (UM%): | | 5.00% |
|---|---|---|---|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.206 | 0.195 | 0.217 | 0.011 |

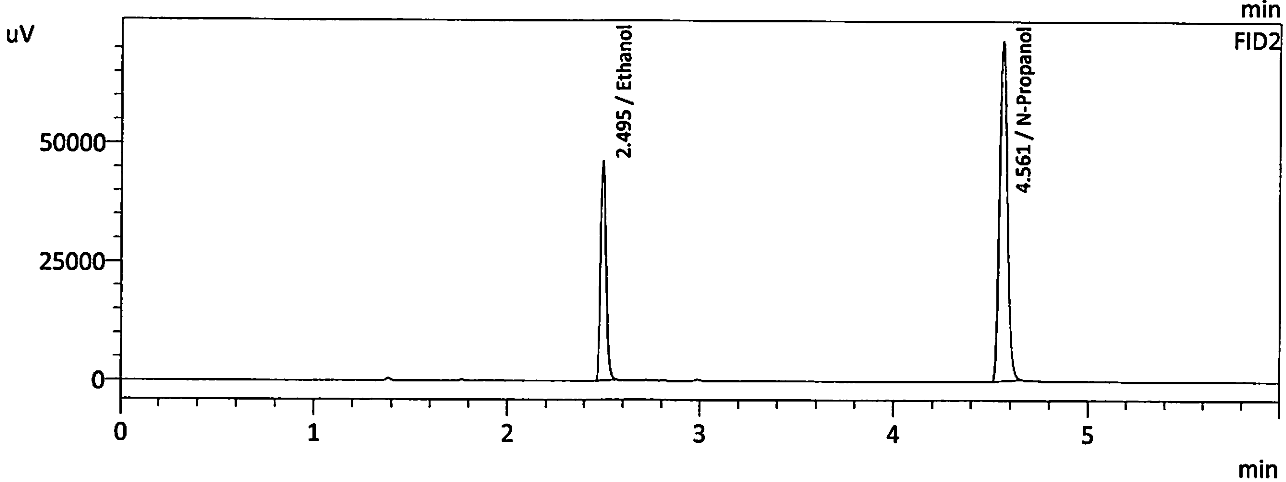
| | Reported Results | |
|---|---|---|
| | 0.206 | |

Calibration and control data are stored centrally.

JG

Sample Name : QC-2-1
Laboratory : Meridian
Injection Date : 11/7/2025 8:32:56 PM
Vial # : 25
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

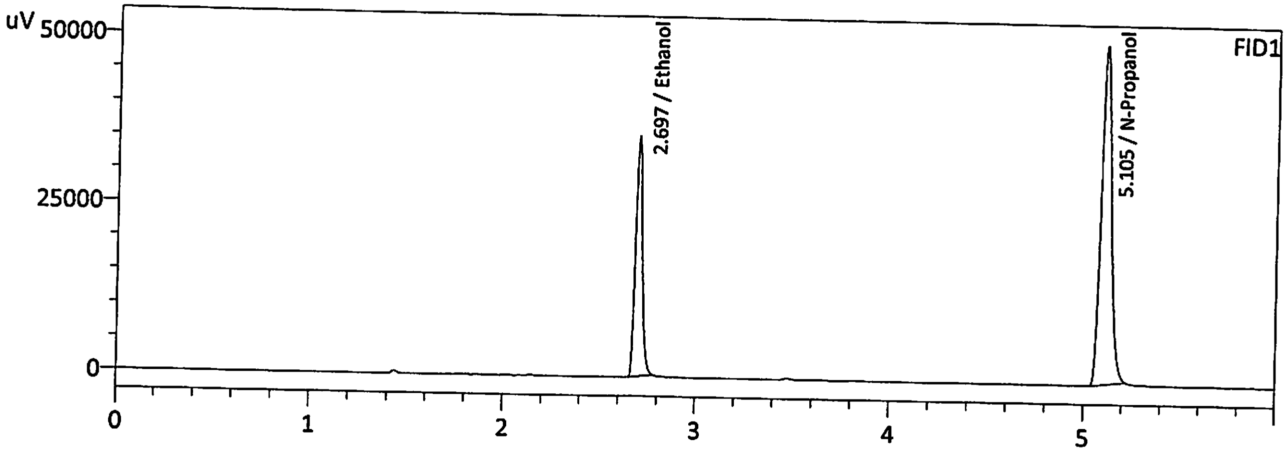
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2041 | 85321 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 188972 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

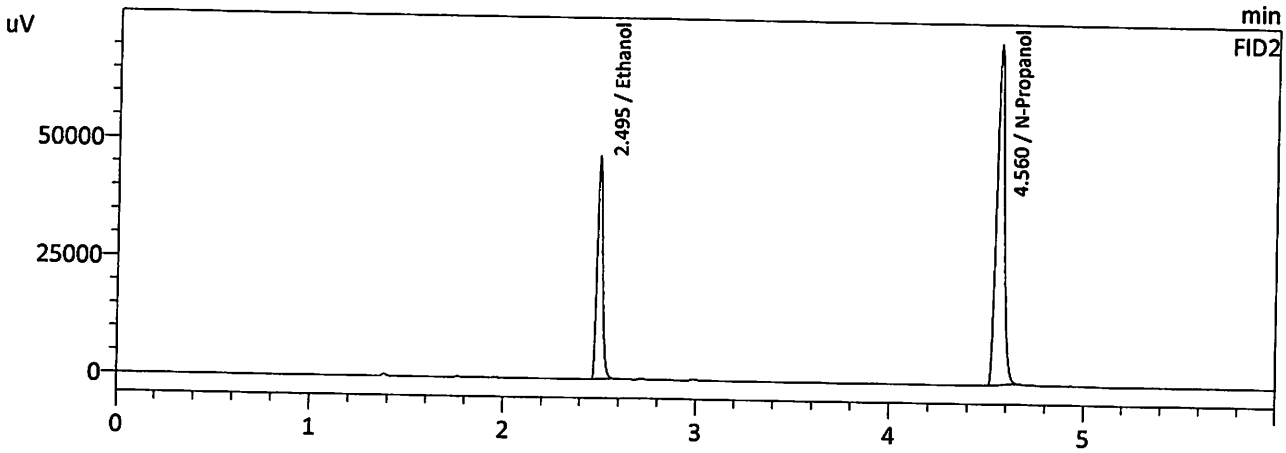
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2070 | 91502 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 199036 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

36

| | |
|---|---|
| Sample Name | : QC-2-1-B |
| Laboratory | : Meridian |
| Injection Date | : 11/7/2025 8:45:37 PM |
| Vial # | : 26 |
| Method Filename | : Default Project - ALCOHOL_251030JG.gcm |
| Instrument #GC/HS | : C12255750548 / C12595800409 |




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2060 | 87116 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 191144 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2082 | 93576 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 202293 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# VOLATILES DETERMINATION CASEFILE WORKSHEET

**Laboratory No:** QC2-2 **Analysis Date(s):** 11/8/2025 1:04:29 AM(-07:00)

| | Column 1 FID A | Column 2 FID B | Column Precision | Mean Value | Sample A-B Difference | Over-all Mean |
|---|---|---|---|---|---|---|
| Sample Results | 0.2041 | 0.2067 | 0.0026 | 0.2054 | 0.0010 | 0.2059 |
| (g/100cc) | 0.2051 | 0.2077 | 0.0026 | 0.2064 | | |

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument information is stored centrally.

Refer To Instrument Method: ALCOHOL_251030JG.gcm

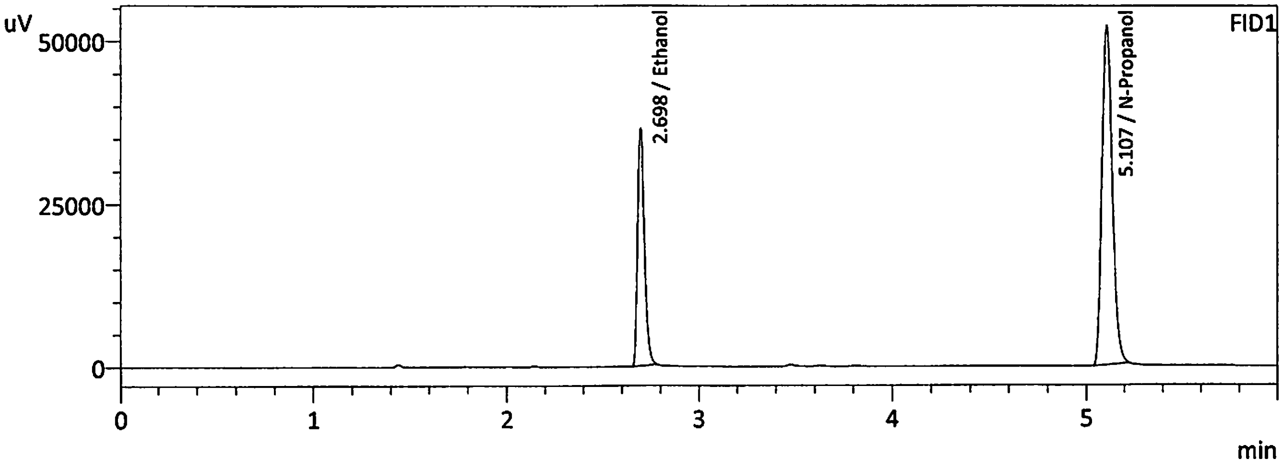
| Reporting of Results | Uncertainty of Measurements (UM%): | | 5.00% |
|---|---|---|---|
| Overall Mean (g/100cc) | Low | High | 5 % of Mean |
| 0.205 | 0.194 | 0.216 | 0.011 |

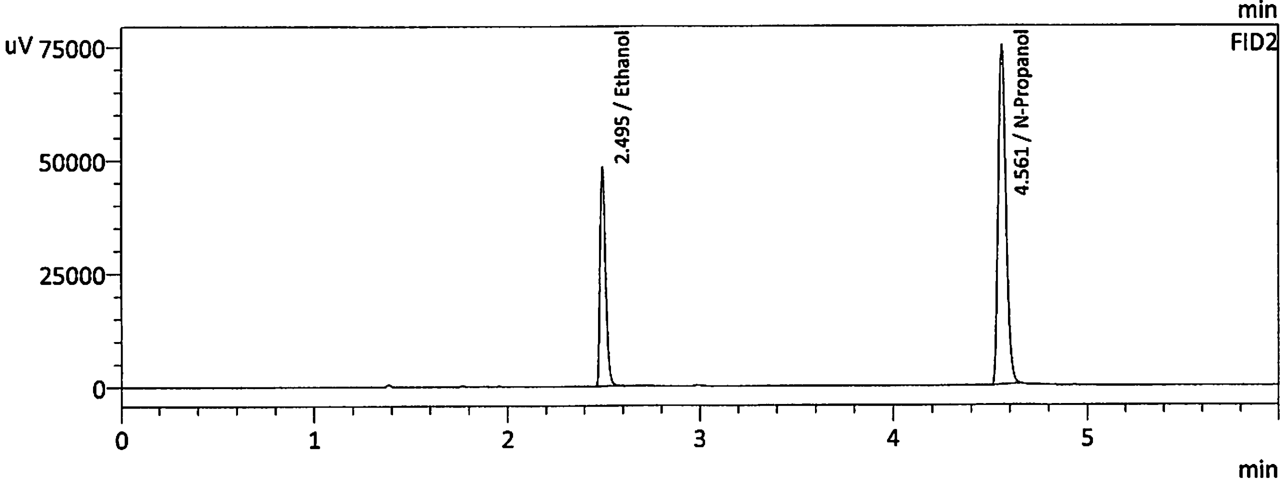
| | Reported Results | |
|---|---|---|
| | 0.205 | |

Calibration and control data are stored centrally.

JG

Sample Name : QC2-2
Laboratory : Meridian
Injection Date : 11/8/2025 1:04:29 AM
Vial # : 47
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

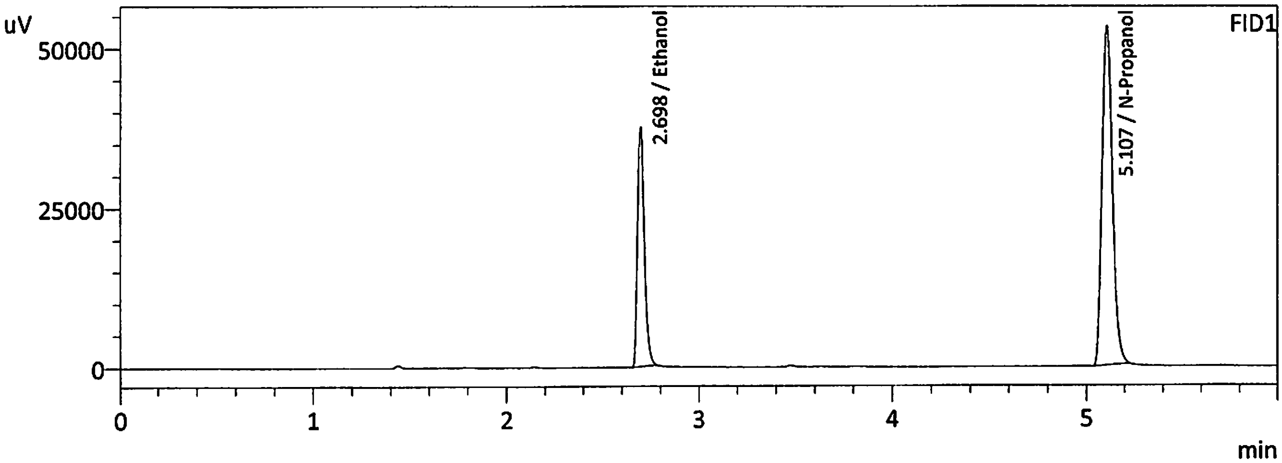
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2041 | 89294 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 197775 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

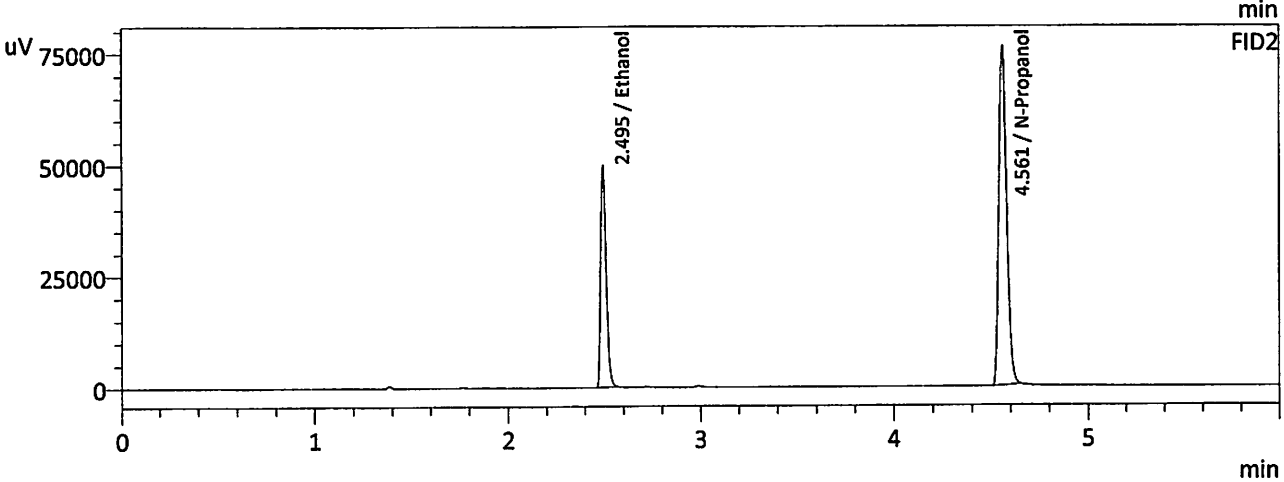
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2067 | 95394 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 207721 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

Jb

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : 11/8/2025 1:16:54 AM
Vial # : 48
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

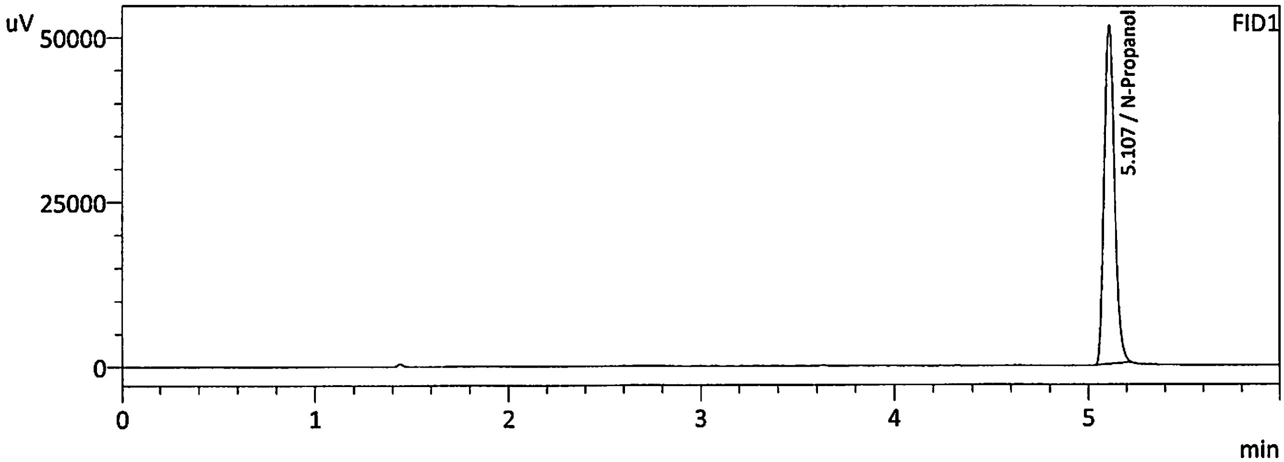
| Name | Conc. | Area | Unit |
| --- | --- | --- | --- |
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2051 | 91891 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 202503 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

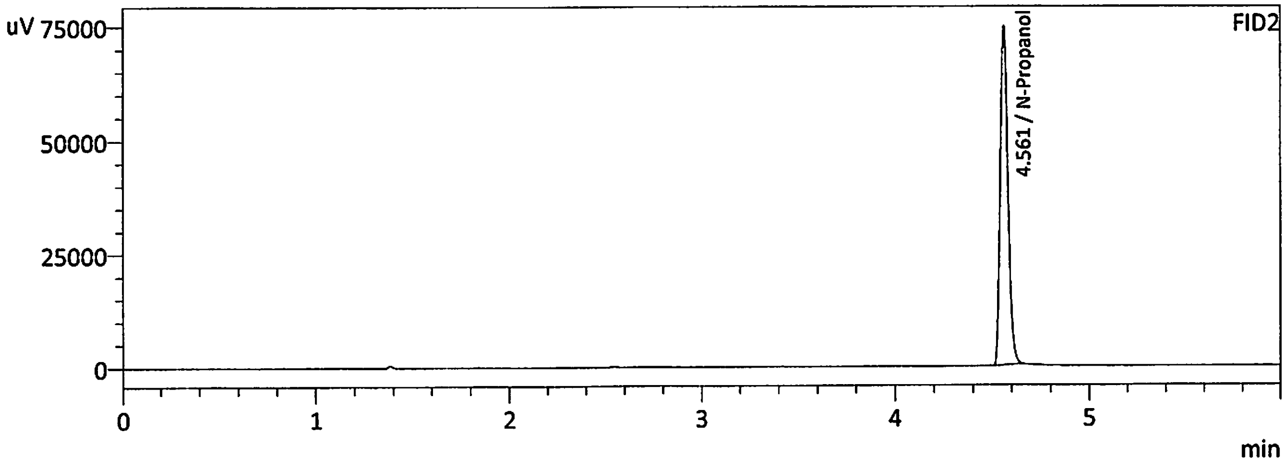
FID2

| Name | Conc. | Area | Unit |
| --- | --- | --- | --- |
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2077 | 98202 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 212863 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 11/8/2025 1:29:08 AM
Vial # : 49
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 196530 | 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 | 206676 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111

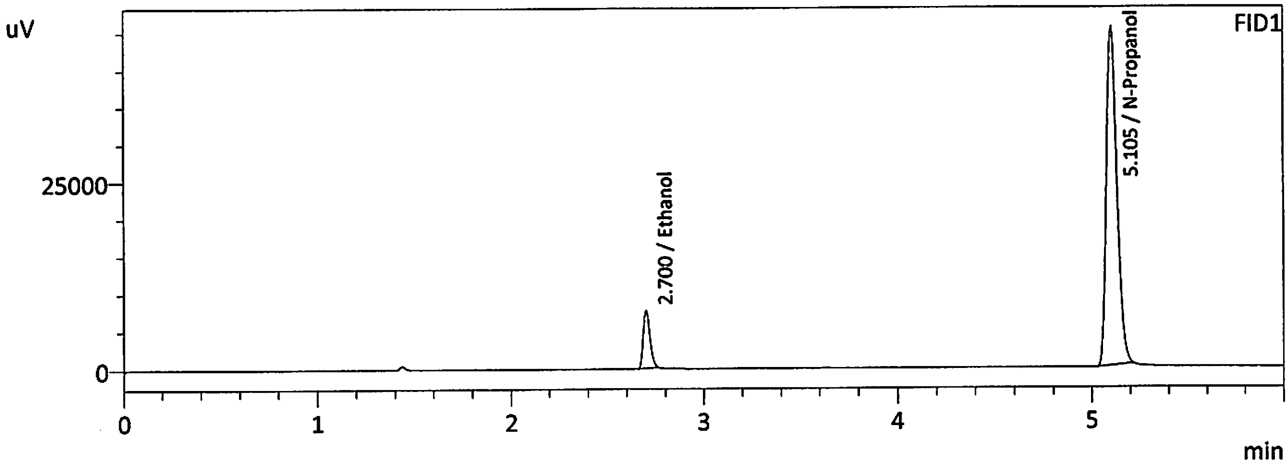

| Vial# | Sample Name | Sample Type | Level# | Method File |
|---|---|---|---|---|
| 1 | INT STD BLK 1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 2 | ED VOLATILES FN 0530 | 0:Unknown | 1 | ALCOHOL 251030JG.gcm |
| 3 | QC-1-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 4 | QC-1-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 5 | 0.08 QA | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 6 | 0.08 QA | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 7 | M2025-4424-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 8 | M2025-4424-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 9 | M2025-4436-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 10 | M2025-4436-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 11 | M2025-4441-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 12 | M2025-4441-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 13 | M2025-4442-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 14 | M2025-4442-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 15 | M2025-4443-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 16 | M2025-4443-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 17 | M2025-4444-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 18 | M2025-4444-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 19 | M2025-4446-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 20 | M2025-4446-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 21 | M2025-4460-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 22 | M2025-4460-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 23 | M2025-4466-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 24 | M2025-4466-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 25 | QC-2-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 26 | QC-2-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 27 | M2025-4467-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 28 | M2025-4467-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 29 | M2025-4480-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 30 | M2025-4480-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 31 | M2025-4481-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 32 | M2025-4481-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 33 | M2025-4487-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 34 | M2025-4487-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 35 | M2025-4500-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 36 | M2025-4500-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 37 | M2025-4501-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 38 | M2025-4501-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 39 | M2025-4503-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 40 | M2025-4503-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 41 | M2025-4514-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 42 | M2025-4514-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 43 | M2025-4520-1 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 44 | M2025-4520-1-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 45 | M2025-4533~~-1~~ -3 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 46 | M2025-4433~~-1~~-B -3-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 47 | QC2-2 | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 48 | QC2-2-B | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |
| 49 | INT STD BLK | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |

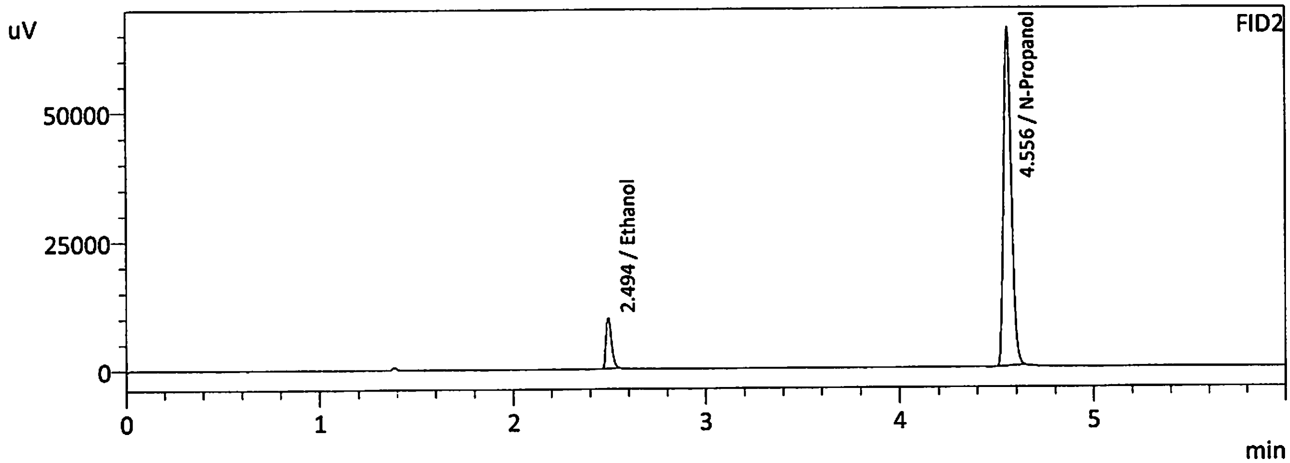
reran next batch did not inject JG 11/10/25

JG
11/12/25

JG

Sample Name : 0.050
Laboratory : Meridian
Injection Date : 10/30/2025 11:49:42 AM
Vial # : 1
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

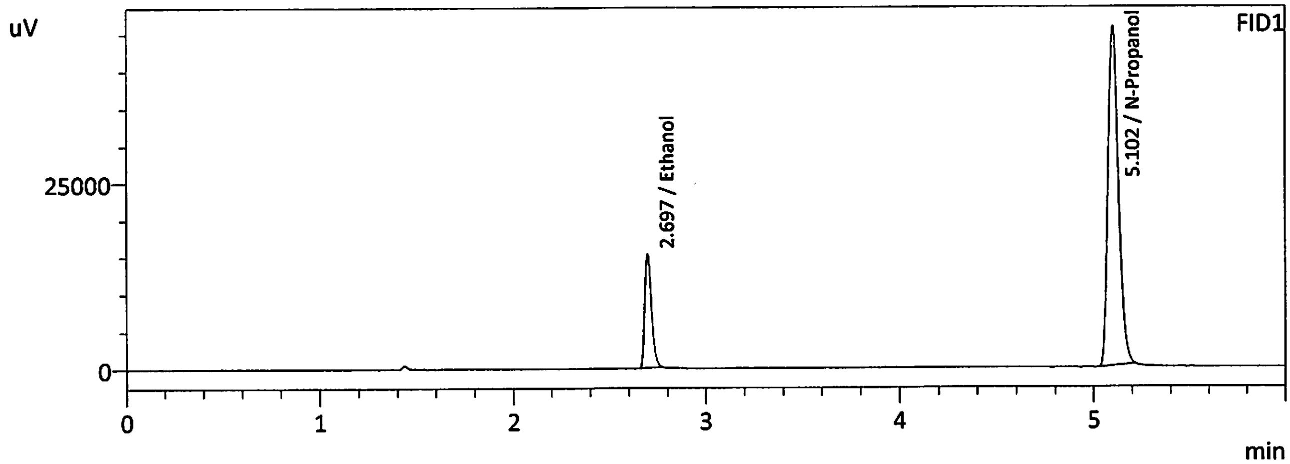
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0515 | 18494 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 171825 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

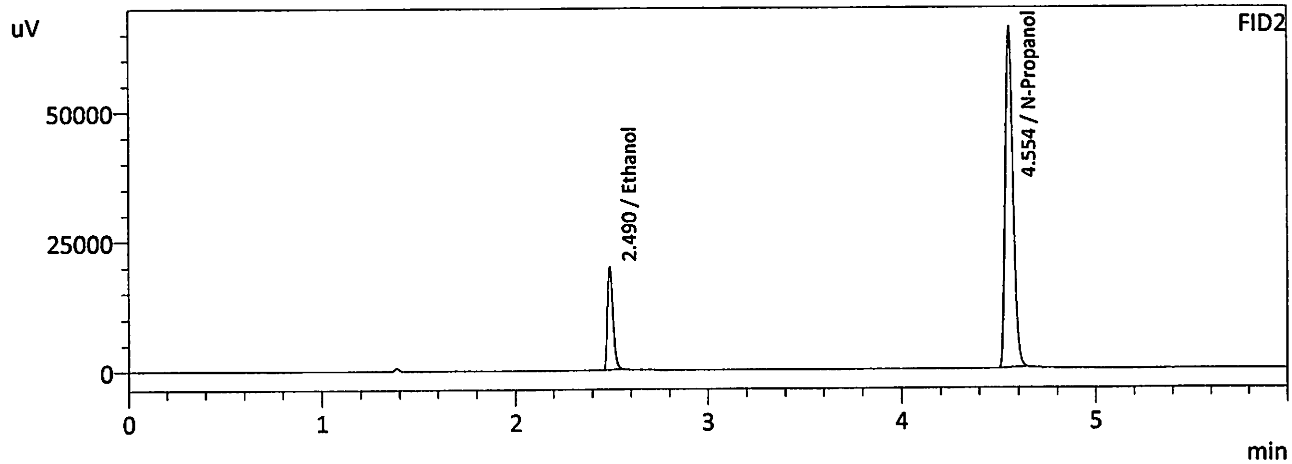
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0519 | 19626 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 182050 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : 0.100
Laboratory : Meridian
Injection Date : 10/30/2025 12:02:26 PM
Vial # : 2
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

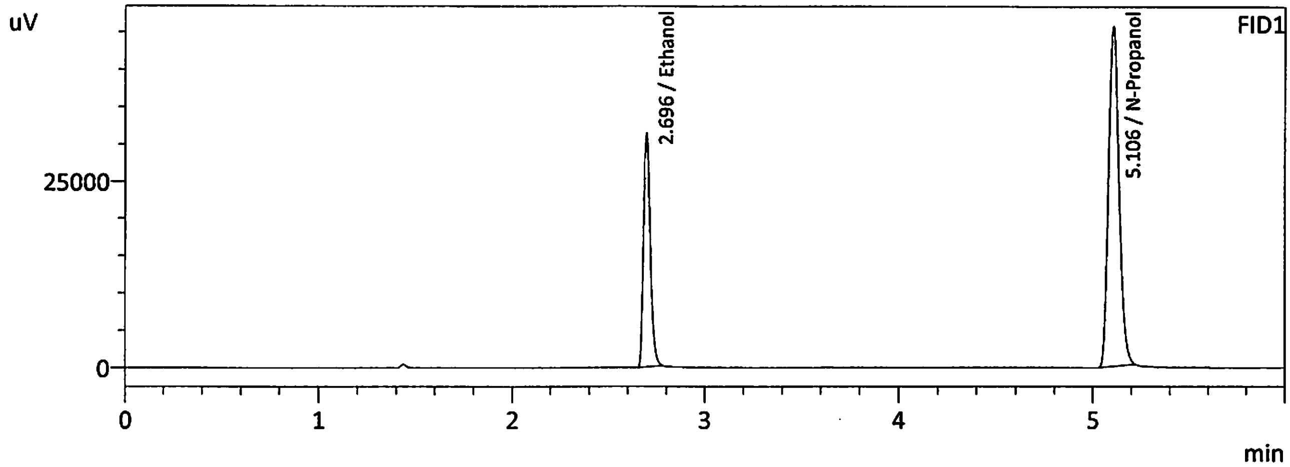
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0990 | 37017 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 172472 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

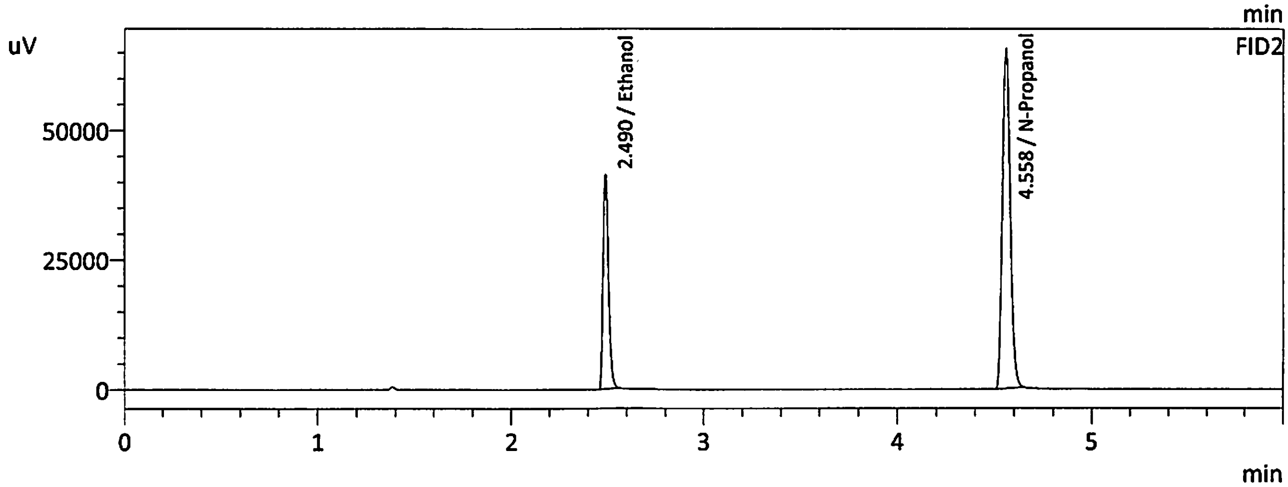
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.0987 | 39157 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 182842 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : 0.200
Laboratory : Meridian
Injection Date : 10/30/2025 12:14:31 PM
Vial # : 3
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

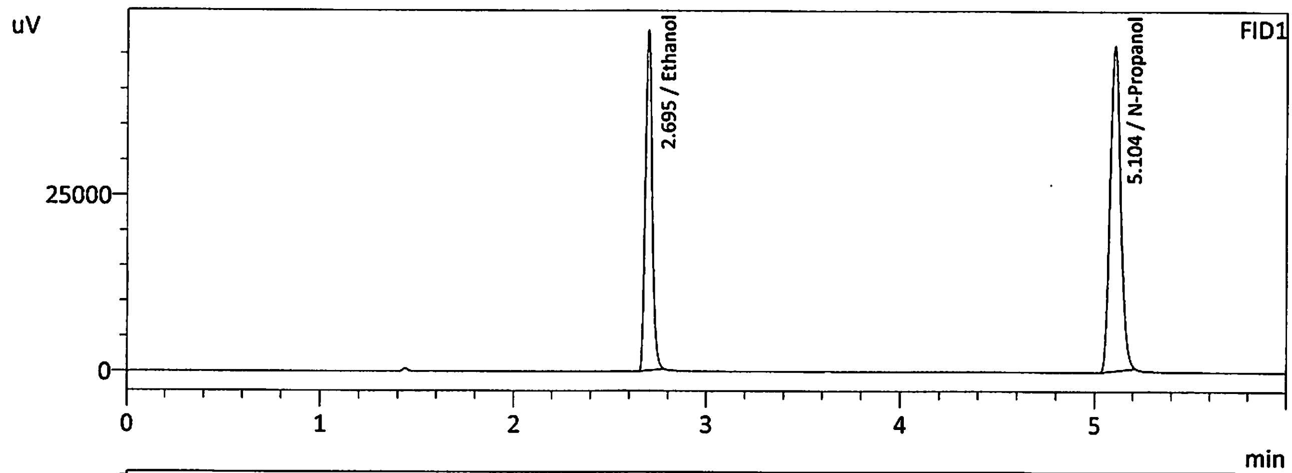
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1991 | 76102 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 172870 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

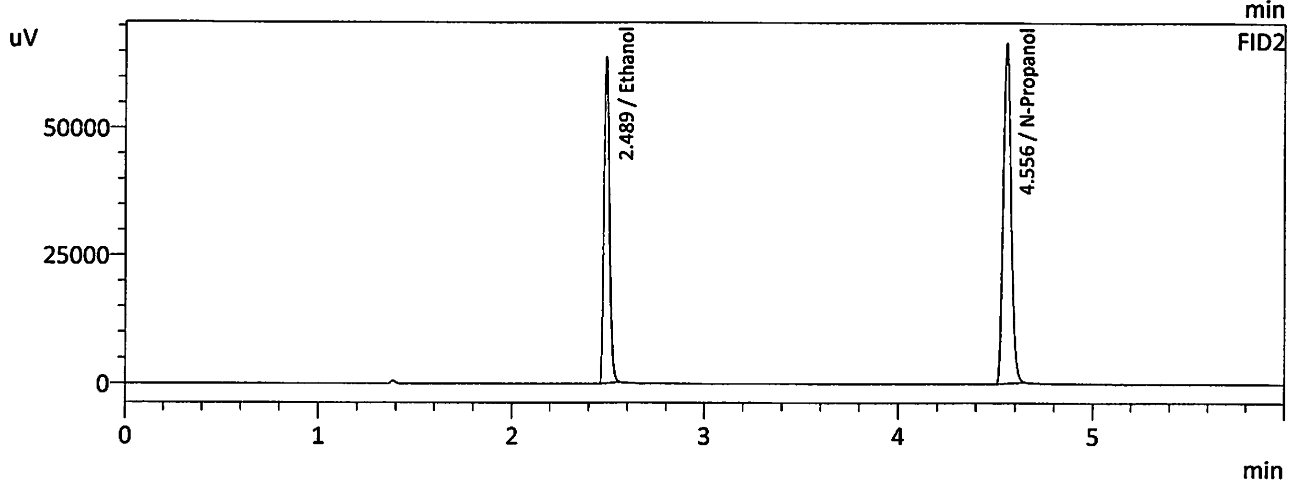
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.1989 | 80675 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 182783 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : 0.300
Laboratory : Meridian
Injection Date : 10/30/2025 12:27:10 PM
Vial # : 4
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

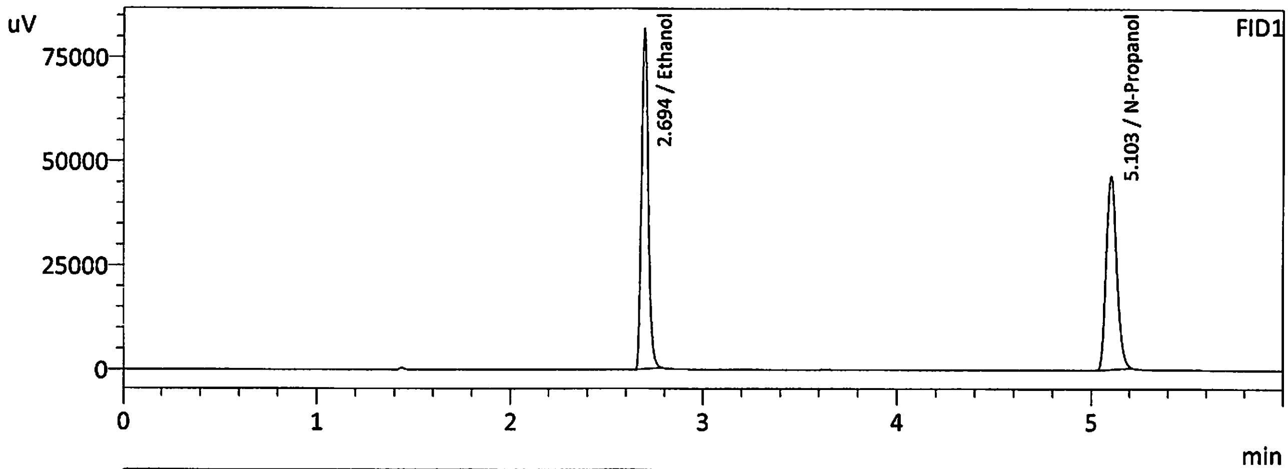
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2997 | 116687 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 174976 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

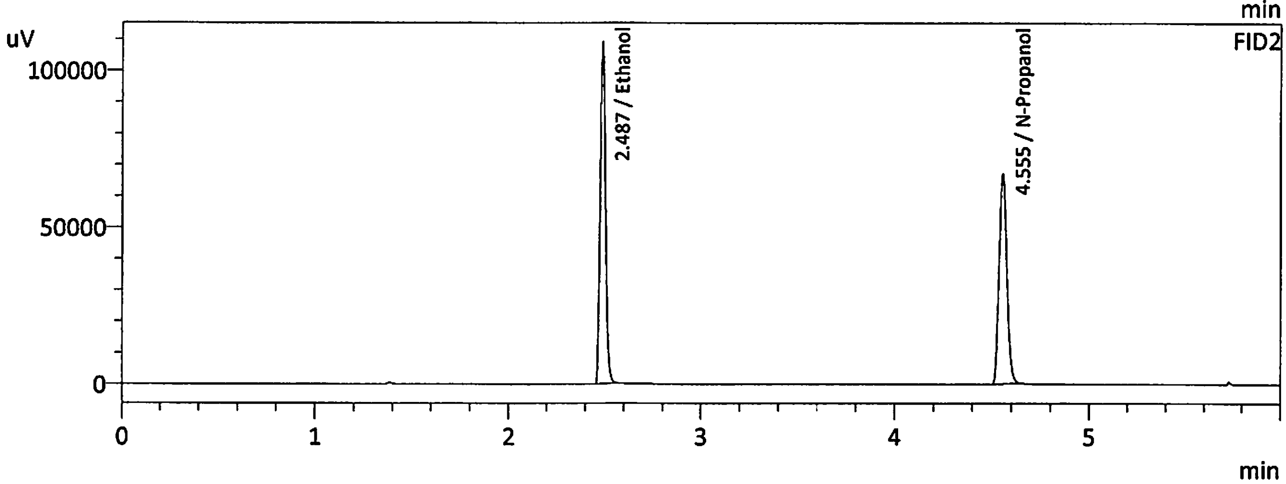
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.2996 | 124201 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 185357 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

J6

Sample Name : 0.500
Laboratory : Meridian
Injection Date : 10/30/2025 12:39:34 PM
Vial # : 5
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

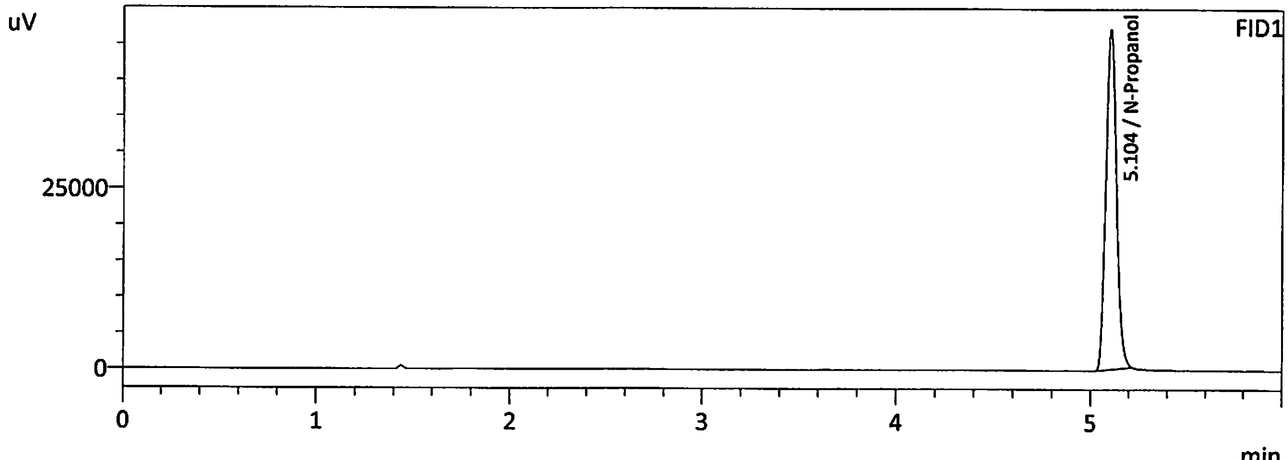
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.5005 | 196661 | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 175749 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

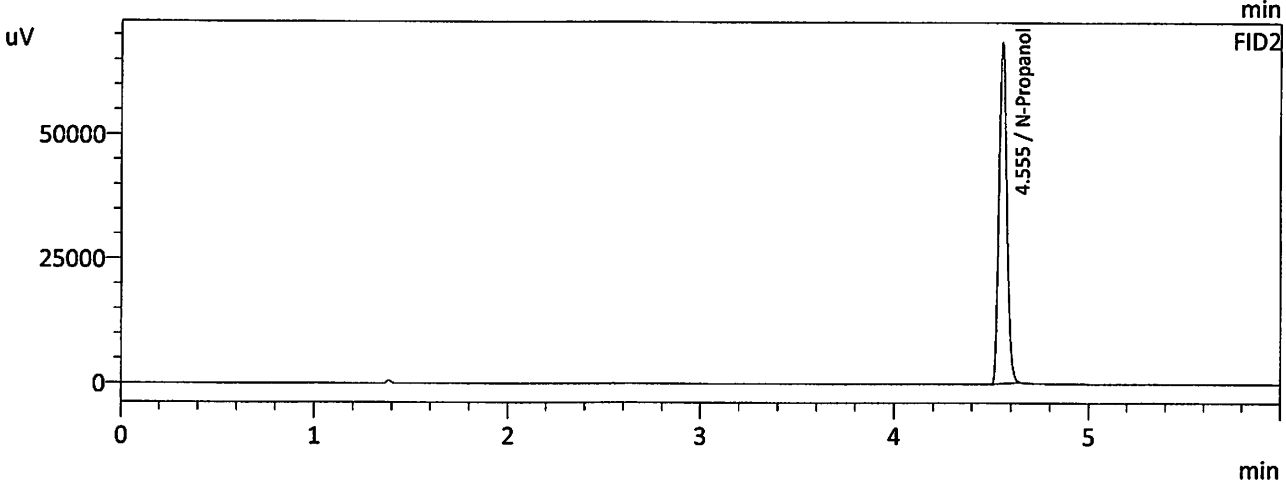
FID2

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | 0.5006 | 209405 | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 185954 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

Sample Name : INT STD BLK
Laboratory : Meridian
Injection Date : 10/30/2025 12:51:59 PM
Vial # : 6
Method Filename : Default Project - ALCOHOL_251030JG.gcm
Instrument #GC/HS : C12255750548 / C12595800409




FID1

| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 179719 | g/100cc |
| Fluor. Hydrocarbon(s) | -- | -- | g/100cc |

FID2

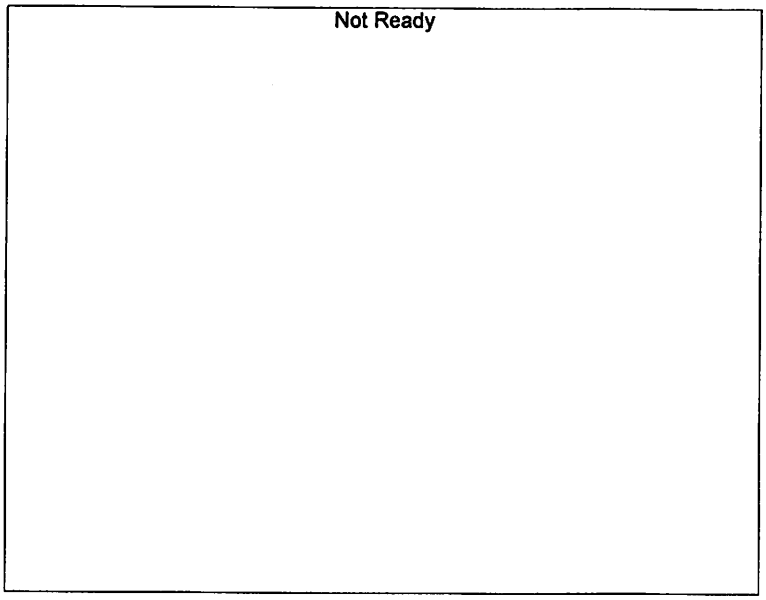
| Name | Conc. | Area | Unit |
|---|---|---|---|
| Methanol | -- | -- | g/100cc |
| Ethanol | -- | -- | g/100cc |
| Acetone | -- | -- | g/100cc |
| Isopropyl Alcohol | -- | -- | g/100cc |
| N-Propanol | 0.0000 | 190056 | g/100cc |
| Flour. Hydrocarbon(s) | -- | -- | g/100cc |

JG

# Calibration Table

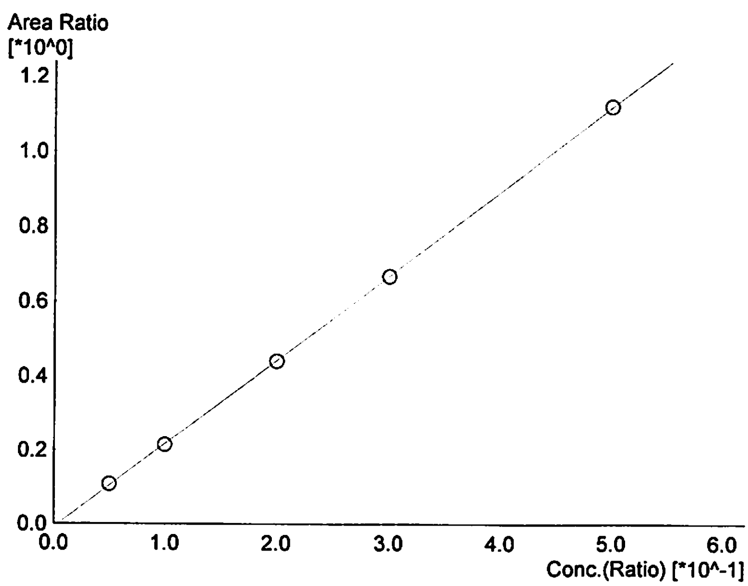
Laboratory : MERIDIAN
Instrument Name : GC-BAC
Instrument Serial # : C12595800409 / C12255750548

<<Data File>>
Method File :Default Project - ALCOHOL_251030JG.gcm
Batch File :Default Project - CALCURVE_251030JG.gcb
Date Acquired :10/30/2025 12:39:34 PM
Date Created :10/30/2025 12:33:14 PM
Date Modified :10/30/2025 12:45:36 PM




Name : Methanol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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




Name : Ethanol
Detector Name: FID1
Function : f(x)=2.25254*x-0.00841564
R^2 value= 0.9999668
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|---|---|---|
| 1 | 0.050 | 18494 | 0.0515 |
| 2 | 0.100 | 37017 | 0.0990 |
| 3 | 0.200 | 76102 | 0.1991 |
| 4 | 0.300 | 116687 | 0.2997 |
| 5 | 0.500 | 196661 | 0.5005 |

J6

Not Ready

Name : Isopropyl Alcohol
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

Name : Acetone
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

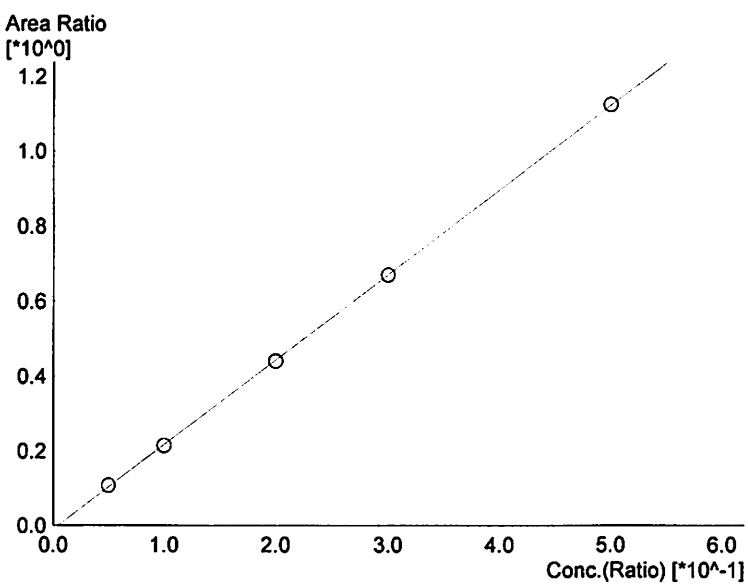
Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

Name : Methanol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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




Name : Ethanol
Detector Name: FID2
Function : f(x)=2.26928*x-0.0100317
R^2 value= 0.9999463
FitType: Linear
ZeroThrough: Not Through

| # | Conc. | Area | Std. Conc. |
|---|---|---|---|
| 1 | 0.050 | 19626 | 0.0519 |
| 2 | 0.100 | 39157 | 0.0987 |
| 3 | 0.200 | 80675 | 0.1989 |
| 4 | 0.300 | 124201 | 0.2996 |
| 5 | 0.500 | 209405 | 0.5006 |

Not Ready

Name : Acetone
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

J6

Not Ready

Name : Isopropyl Alcohol
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

Not Ready

Name : Flour. Hydrocarbon(s)
Detector Name: FID2
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear
ZeroThrough: Not Through

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

J6

# Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548
Shimadzu HS-20 Serial #C12595800409
Lab Solutions Database Software Ver. 6.111


| Vial# | Sample Name | Sample Type | Level# | Method File |
|---|---|---|---|---|
| 1 | 0.050 | 1:Standard:(I) | 1 | ALCOHOL 251030JG.gcm |
| 2 | 0.100 | 1:Standard | 2 | ALCOHOL 251030JG.gcm |
| 3 | 0.200 | 1:Standard | 3 | ALCOHOL 251030JG.gcm |
| 4 | 0.300 | 1:Standard | 4 | ALCOHOL 251030JG.gcm |
| 5 | 0.500 | 1:Standard | 5 | ALCOHOL 251030JG.gcm |
| 6 | INT STD BLK | 0:Unknown | 0 | ALCOHOL 251030JG.gcm |

J6