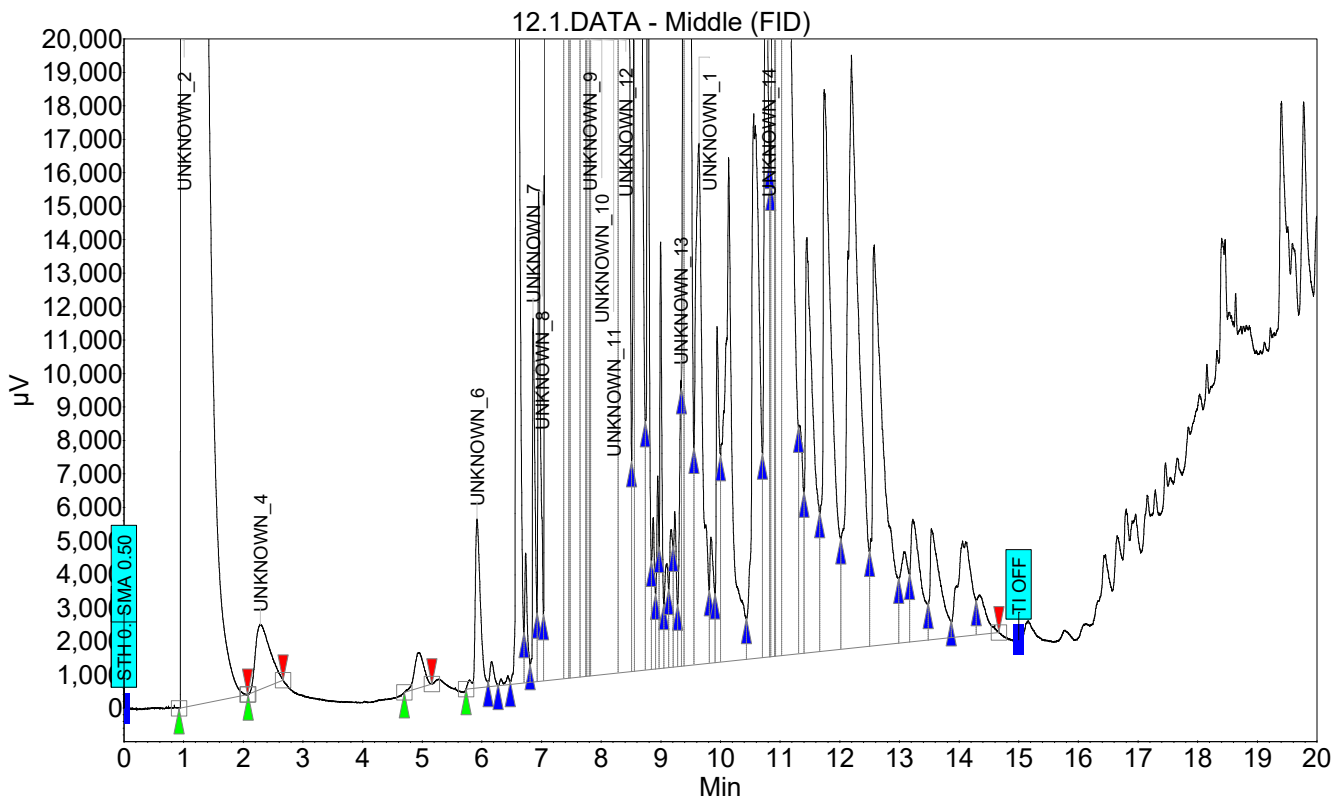


System : 456-GC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.



CHROMATOGRAM METHOD REPORT:

Control method :

Scion/Bruker/Varian 400-GC Series (Exclu

Autosampler (8410)

| | |
|---------------------------|-----------------------|
| Autosampler | ENABLED |
| First injector used | Position 2 |
| Syringe volume | 10 uL |
| Advance tray | NO |
| Clean between injections | NO |
| Use injection delay | NO |
| Delay between injections | 1.0 min |
| Injection mode | Std (Split/Splitless) |
| Sample penetration depth | 90 % |
| Solvent penetration depth | 90 % |

Abort clean

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| | |
|--------------|----------|
| Vial | I |
| Volume | 5.0 uL |
| Strokes | 1 |
| Drawup speed | 5.0 uL/s |

Clean mode

| | |
|--------------------------------|---|
| Pre-injection solvent flushes | 3 |
| Pre-injection sample flushes | 0 |
| Post-injection solvent flushes | 5 |
| Clean solvent source | I |

Injectors

Front (PWOC)

| EFC 23 - Flow program | Rate (mL/min/min) | Step (mL/min) | Time (min) |
|-----------------------|-------------------|---------------|------------|
| | Initial | 10.0 | 0.00 |
| | | Total time | 0.00 |

EFC 23

Enabled OFF

Heat-only zone 1

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

Middle (S/SL)

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| Split event table | Time (min) | Split state | Split ratio |
|-------------------|------------|-------------|-------------|
| | Initial | ON | 25 |

EFC 25

Enabled ON

Heat-only zone 2

| | |
|----------|--------|
| Heater | ON |
| Setpoint | 230 °C |

Column oven

Stabilization time 0.50 min

Column oven zone

Heater ON

| Temperature program | Rate (°C/min) | Step (°C) | Time (min) |
|---------------------|---------------|------------|------------|
| | Initial | 100 | 4.00 |
| | 25.0 | 200 | 8.00 |
| | 20.0 | 250 | 5.00 |
| | | Total time | 23.50 |

Valve oven

Rear (Small valve oven)

Heat-only zone 3

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

Columns

Front

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| | |
|-----------------|---------|
| Carrier gas | Helium |
| Length | 15.00 m |
| Inside diameter | 200 um |
| Type | WCOT |

Middle

| | |
|-----------------|---------|
| Carrier gas | Helium |
| Length | 30.00 m |
| Inside diameter | 320 um |
| Type | PLOT |

| | |
|----------------|---------------|
| Pressure mode | Constant flow |
| Column flow | 2.20 mL/min |
| Pressure pulse | DISABLED |

Detectors

Heat-only zone 4

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

Front (TCD)

| | |
|---------------|-------|
| Electronics | OFF |
| Time constant | Fast |
| Data rate | 10 Hz |

| | |
|----------------------|--------|
| Filament temp. limit | 390 °C |
| Filament temperature | 50 °C |

| | | | | |
|-----------------|------------|-------|----------|----------|
| TCD event table | Time (min) | Range | Autozero | Polarity |
| | Initial | 0.05 | YES | POSITIVE |

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

EFC 14

| | |
|-------------------------|-------------|
| Enabled | OFF |
| Make-up (Helium) flow | 25 mL/min |
| Reference (Helium) flow | 30.0 mL/min |

Heat-only zone 5

| | |
|----------|--------|
| Heater | ON |
| Setpoint | 250 °C |

Middle (FID)

| | |
|---------------|-------|
| Electronics | ON |
| Time constant | Fast |
| Data rate | 10 Hz |

| FID event table | Time (min) | Range | Autozero |
|-----------------|------------|-------|----------|
| | Initial | 12 | YES |

EFC 11

| | |
|-------------------------|--------------|
| Enabled | ON |
| Make-up (Nitrogen) flow | 28 mL/min |
| Combustion (H2) flow | 30.0 mL/min |
| Combustion (Air) flow | 300.0 mL/min |

Ouput ports

Front

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Front | 0 |

Middle

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Middle | 0 |

Rear

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Rear | 0 |

Valves

| Valve event table | Time (min) | Gas Sample Valve |
|-------------------|------------|------------------|
| | Initial | Fill |

Miscellaneous

Start automatically when ready NO

Acquisition :
Run Name : 12.1
Run Id. : -1
Run Time : 24.00

Integration method :
Reduce Noise : Yes
Spike Parameter : 1
Use Relative Threshold ? : Yes
Peak saturation level : min = 0 max = 0

Integration events :

| Active | Time | Event | ON | Value |
|--------|-------|------------------|-----|-------|
| Yes | 0.00 | Set Peak Width | | 0.5 |
| Yes | 0.00 | Set Threshold | | 0.05 |
| Yes | 0.00 | Set Minimal Area | | 0.5 |
| Yes | 15.00 | Turn Integration | OFF | |

Manual actions :

Chromatogram : 12.1_channel1

System : 456-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

Manual integration action count : 38

Action #1 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 7 at 6.70
Action #2 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 10 at 7.18
Action #3 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 11 at 7.48
Action #4 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 14 at 8.84
Action #5 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 15 at 8.97
Action #6 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 38 at 9.05
Action #7 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 16 at 9.20
Action #8 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 19 at 9.91
Action #9 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 17 at 9.39
Action #10 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 23 at 10.92
Action #11 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 35 at 7.37
Action #12 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 36 at 7.74
Action #13 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 12 at 8.04
Action #14 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 17 at 9.34
Action #15 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 22 at 10.82
Action #16 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 23 at 10.91
Action #17 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 24 at 11.31
Action #18 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.176 to t=7.177
Action #19 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.177 to t=7.186
Action #20 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.186 to t=7.194
Action #21 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.194 to t=7.206
Action #22 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.206 to t=7.221
Action #23 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.221 to t=7.245
Action #24 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.245 to t=7.257
Action #25 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.257 to t=7.280
Action #26 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.280 to t=7.314
Action #27 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.314 to t=7.357
Action #28 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.357 to t=7.362
Action #29 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.362 to t=7.363
Action #30 : 27/10/2025 12:32:42 p. m. : MERGE peak # 10
Action #31 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 35 at 7.65
Action #32 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 35 from t=7.650 to t=7.636
Action #33 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 35 from t=7.636 to t=7.646
Action #34 : 27/10/2025 12:32:42 p. m. : MERGE peak # 11
Action #35 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 44 at 7.80
Action #36 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 50 at 7.82
Action #37 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 51 at 8.28
Action #38 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 11 at 8.56

Peak Identification table :

| Peak Name | RT [min] | Abs.Window[min] | Window % | Ref? | Mode |
|------------|----------|-----------------|----------|------|---------|
| UNKNOWN_2 | 1.14 | 0.20 | 0.00 | | Nearest |
| heptano | 1.48 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_4 | 2.11 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_5 | 4.10 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_6 | 5.86 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_7 | 6.93 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_8 | 6.96 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_9 | 7.71 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_10 | 7.84 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_11 | 8.04 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_12 | 8.41 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_13 | 9.32 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_1 | 9.54 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_14 | 10.71 | 0.20 | 0.00 | | Nearest |

Resolve with references : No

Chromatogram : 12.1_channel1

System : 456-CC

Method : Biodiesel FAME 2023

User : User1

Acquired : 24/10/2025 12:03:12 p. m.

Processed : 27/10/2025 12:32:42 p. m.

Printed : 27/10/2025 01:33:39 p. m.

Group Identification table :

| Group Name | Group type | Parameters |
|------------|------------|------------|
|------------|------------|------------|

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

Peak results :

| Index | Name | Time [Min] | Quantity [% Area] | Height [µV] | Area [µV.Min] | Area % [%] |
|-------|------------|------------|-------------------|-------------|---------------|------------|
| 1 | UNKNOWN 2 | 0.96 | 56.69 | 326032039.7 | 2378179.9 | 56.693 |
| 2 | UNKNOWN 4 | 2.28 | 0.01 | 1932.5 | 540.7 | 0.013 |
| 3 | UNKNOWN | 4.95 | 0.00 | 1042.8 | 194.2 | 0.005 |
| 4 | UNKNOWN 6 | 5.92 | 0.01 | 5050.4 | 511.0 | 0.012 |
| 5 | UNKNOWN | 6.16 | 0.00 | 736.8 | 58.1 | 0.001 |
| 6 | UNKNOWN | 6.44 | 0.00 | 264.5 | 23.6 | 0.001 |
| 7 | UNKNOWN | 6.58 | 0.06 | 39325.8 | 2670.1 | 0.064 |
| 32 | UNKNOWN | 6.73 | 0.00 | 3870.2 | 205.4 | 0.005 |
| 8 | UNKNOWN 7 | 6.86 | 0.01 | 10862.6 | 547.8 | 0.013 |
| 9 | UNKNOWN 8 | 6.95 | 0.02 | 14661.3 | 802.6 | 0.019 |
| 33 | UNKNOWN | 7.06 | 3.44 | 1030089.5 | 144106.9 | 3.435 |
| 42 | UNKNOWN | 7.39 | 0.15 | 111934.5 | 6219.6 | 0.148 |
| 10 | UNKNOWN | 7.47 | 0.02 | 47934.1 | 878.8 | 0.021 |
| 34 | UNKNOWN | 7.50 | 1.20 | 489427.4 | 50487.8 | 1.204 |
| 49 | UNKNOWN 9 | 7.71 | 0.64 | 476131.4 | 26668.3 | 0.636 |
| 43 | UNKNOWN | 7.75 | 0.09 | 478243.5 | 3778.1 | 0.090 |
| 44 | UNKNOWN | 7.78 | 2.08 | 2727571.5 | 87355.0 | 2.082 |
| 50 | UNKNOWN 10 | 7.82 | 1.57 | 2889466.6 | 65911.1 | 1.571 |
| 51 | UNKNOWN 11 | 8.02 | 31.10 | 4295594.9 | 1304622.0 | 31.101 |
| 52 | UNKNOWN 12 | 8.30 | 1.14 | 581634.7 | 47941.0 | 1.143 |
| 11 | UNKNOWN | 8.55 | 0.03 | 121917.8 | 1398.2 | 0.033 |
| 53 | UNKNOWN | 8.57 | 0.48 | 278040.3 | 20210.7 | 0.482 |
| 12 | UNKNOWN | 8.78 | 0.03 | 33002.3 | 1441.3 | 0.034 |
| 35 | UNKNOWN | 8.87 | 0.01 | 4517.4 | 239.2 | 0.006 |
| 13 | UNKNOWN | 8.95 | 0.01 | 5741.9 | 247.3 | 0.006 |
| 36 | UNKNOWN | 9.00 | 0.01 | 12740.1 | 524.8 | 0.013 |
| 37 | UNKNOWN | 9.10 | 0.01 | 3106.3 | 220.4 | 0.005 |
| 14 | UNKNOWN | 9.17 | 0.01 | 4114.7 | 258.0 | 0.006 |
| 38 | UNKNOWN | 9.23 | 0.01 | 4646.1 | 264.1 | 0.006 |
| 15 | UNKNOWN 13 | 9.34 | 0.01 | 8549.9 | 331.2 | 0.008 |
| 45 | UNKNOWN | 9.38 | 0.04 | 65315.0 | 1494.1 | 0.036 |
| 40 | UNKNOWN | 9.40 | 0.23 | 126055.9 | 9607.2 | 0.229 |
| 16 | UNKNOWN 1 | 9.64 | 0.05 | 15568.6 | 2168.4 | 0.052 |
| 17 | UNKNOWN | 9.84 | 0.01 | 3763.5 | 291.9 | 0.007 |
| 39 | UNKNOWN | 9.94 | 0.02 | 10032.0 | 637.4 | 0.015 |
| 18 | UNKNOWN | 10.14 | 0.05 | 15049.5 | 2305.2 | 0.055 |
| 19 | UNKNOWN | 10.56 | 0.06 | 16275.9 | 2463.5 | 0.059 |
| 20 | UNKNOWN 14 | 10.76 | 0.05 | 23191.2 | 1953.1 | 0.047 |
| 46 | UNKNOWN | 10.83 | 0.01 | 15918.6 | 349.1 | 0.008 |
| 21 | UNKNOWN | 10.88 | 0.04 | 29922.5 | 1741.5 | 0.042 |
| 47 | UNKNOWN | 10.92 | 0.01 | 28307.5 | 420.3 | 0.010 |
| 41 | UNKNOWN | 10.97 | 0.08 | 37339.8 | 3341.0 | 0.080 |
| 22 | UNKNOWN | 11.07 | 0.14 | 41198.0 | 6034.9 | 0.144 |
| 48 | UNKNOWN | 11.33 | 0.01 | 6829.1 | 580.1 | 0.014 |
| 23 | UNKNOWN | 11.45 | 0.05 | 12413.8 | 2007.4 | 0.048 |
| 24 | UNKNOWN | 11.74 | 0.07 | 16780.7 | 2982.6 | 0.071 |
| 25 | UNKNOWN | 12.20 | 0.10 | 17720.5 | 4161.4 | 0.099 |
| 26 | UNKNOWN | 12.58 | 0.06 | 11970.8 | 2703.7 | 0.064 |
| 27 | UNKNOWN | 13.09 | 0.01 | 2702.1 | 426.7 | 0.010 |
| 28 | UNKNOWN | 13.23 | 0.02 | 3626.3 | 706.1 | 0.017 |
| 29 | UNKNOWN | 13.54 | 0.02 | 3318.8 | 657.4 | 0.016 |
| 30 | UNKNOWN | 14.06 | 0.02 | 2845.6 | 768.7 | 0.018 |
| 31 | UNKNOWN | 14.34 | 0.01 | 1176.4 | 213.6 | 0.005 |
| | | | | | | |

Chromatogram : 12.1_channel1

System : 450-GC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| Index | Name | Time [Min] | Quantity [% Area] | Height [µV] | Area [µV.Min] | Area % [%] |
|-------|------|---------------|----------------------|----------------|------------------|---------------|
| Total | | | 100.00 | 340221514.2 | 4194852.6 | 100.000 |

CHROMATOGRAM METHOD REPORT :

Control method :

Scion/Bruker/Varian 400-GC Series (Exclu

Autosampler (8410)

| | |
|---------------------------|-----------------------|
| Autosampler | ENABLED |
| First injector used | Position 2 |
| Syringe volume | 10 µL |
| Advance tray | NO |
| Clean between injections | NO |
| Use injection delay | NO |
| Delay between injections | 1.0 min |
| Injection mode | Std (Split/Splitless) |
| Sample penetration depth | 90 % |
| Solvent penetration depth | 90 % |

Abort clean

| | |
|--------------|----------|
| Vial | I |
| Volume | 5.0 µL |
| Strokes | 1 |
| Drawup speed | 5.0 µL/s |

Clean mode

| | |
|--------------------------------|---|
| Pre-injection solvent flushes | 3 |
| Pre-injection sample flushes | 0 |
| Post-injection solvent flushes | 5 |
| Clean solvent source | I |

Injectors

Front (PWOC)

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| EFC 23 - Flow program | Rate (mL/min/min) | Step (mL/min) | Time (min) |
|-----------------------|-------------------|---------------|------------|
| | Initial | 10.0 | 0.00 |
| | | Total time | 0.00 |

EFC 23

Enabled OFF

Heat-only zone 1

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

Middle (S/SL)

| Split event table | Time (min) | Split state | Split ratio |
|-------------------|------------|-------------|-------------|
| | Initial | ON | 25 |

EFC 25

Enabled ON

Heat-only zone 2

| | |
|----------|--------|
| Heater | ON |
| Setpoint | 230 °C |

Column oven

Stabilization time 0.50 min

Column oven zone

Chromatogram : 12.1_channel1

System : 450-OC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| | |
|--------|----|
| Heater | ON |
|--------|----|

| Temperature program | Rate (°C/min) | Step (°C) | Time (min) |
|---------------------|---------------|------------|------------|
| | Initial | 100 | 4.00 |
| | 25.0 | 200 | 8.00 |
| | 20.0 | 250 | 5.00 |
| | | Total time | 23.50 |

| |
|------------|
| Valve oven |
|------------|

| |
|-------------------------|
| Rear (Small valve oven) |
|-------------------------|

| |
|------------------|
| Heat-only zone 3 |
|------------------|

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

| |
|---------|
| Columns |
|---------|

| |
|-------|
| Front |
|-------|

| | |
|-----------------|---------|
| Carrier gas | Helium |
| Length | 15.00 m |
| Inside diameter | 200 um |
| Type | WCOT |

| |
|--------|
| Middle |
|--------|

| | |
|-----------------|---------|
| Carrier gas | Helium |
| Length | 30.00 m |
| Inside diameter | 320 um |
| Type | PLOT |

| | |
|----------------|---------------|
| Pressure mode | Constant flow |
| Column flow | 2.20 mL/min |
| Pressure pulse | DISABLED |

| |
|-----------|
| Detectors |
|-----------|

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

Heat-only zone 4

| | |
|----------|-------|
| Heater | OFF |
| Setpoint | 50 °C |

Front (TCD)

| | |
|---------------|-------|
| Electronics | OFF |
| Time constant | Fast |
| Data rate | 10 Hz |

| | |
|----------------------|--------|
| Filament temp. limit | 390 °C |
| Filament temperature | 50 °C |

| TCD event table | Time (min) | Range | Autozero | Polarity |
|-----------------|------------|-------|----------|----------|
| | Initial | 0.05 | YES | POSITIVE |

EFC 14

| | |
|-------------------------|-------------|
| Enabled | OFF |
| Make-up (Helium) flow | 25 mL/min |
| Reference (Helium) flow | 30.0 mL/min |

Heat-only zone 5

| | |
|----------|--------|
| Heater | ON |
| Setpoint | 250 °C |

Middle (FID)

| | |
|---------------|-------|
| Electronics | ON |
| Time constant | Fast |
| Data rate | 10 Hz |

| FID event table | Time (min) | Range | Autozero |
|-----------------|------------|-------|----------|
|-----------------|------------|-------|----------|

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| FID event table | Time (min) | Range | Autozero |
|-----------------|------------|-------|----------|
| | Initial | 12 | YES |

EFC 11

| | |
|-------------------------|--------------|
| Enabled | ON |
| Make-up (Nitrogen) flow | 28 mL/min |
| Combustion (H2) flow | 30.0 mL/min |
| Combustion (Air) flow | 300.0 mL/min |

Ouput ports

Front

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Front | 0 |

Middle

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Middle | 0 |

Rear

ENABLED NO

| Output port program | Time (min) | Detector source | Attenuation (2^X) |
|---------------------|------------|-----------------|-------------------|
| | Initial | Rear | 0 |

Valves

| Valve event table | Time (min) | Gas Sample Valve |
|-------------------|------------|------------------|
| | Initial | Fill |

Chromatogram : 12.1_channel1

System : 456-GC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

Miscellaneous

| | |
|--------------------------------|----|
| Start automatically when ready | NO |
|--------------------------------|----|

Acquisition :
System : 456-GC
Project : Aceites
Run Name : 12.1
Description
Run Id. : -1
Run Time : 24.00
Vial : 6
Rack : 0
Analysis : Unknown
Injection volume : 1.00

Scale :
RT Min : 0.00
RT Max : 20.00
Y Min : -1,000.00
Y Max : 20,000.00
Divisor factor : 1.00
Multiplier factor : 1.00
Sample mass : 0.00

Run log :

Injection report for Position 2

Injection occurred at 24/10/2025 12:03:12 p. m.

Scion/Bruker/Varian 400-GC Series (Exclu [Scion/Bruker/Varian 400-GC Series (Excluding 430)]
Wrapper 5.0.8.31952
Firmware 32834
Driver 4.1.0.394

Preprocessing :
Blank Subtract :
File:
N.A.

Integration method :
Reduce Noise : Yes
Spike Parameter : 1
Use Relative Threshold ? : Yes
Peak saturation level : min = 0 max = 0

Integration events :

| Active | Time | Event | ON | Value |
|--------|------|-------|----|-------|
|--------|------|-------|----|-------|

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| Active | Time | Event | ON | Value |
|--------|-------|------------------|-----|-------|
| Yes | 0.00 | Set Peak Width | | 0.5 |
| Yes | 0.00 | Set Threshold | | 0.05 |
| Yes | 0.00 | Set Minimal Area | | 0.5 |
| Yes | 15.00 | Turn Integration | OFF | |

Manual actions :

Manual integration action count : 38

Action #1 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 7 at 6.70
Action #2 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 10 at 7.18
Action #3 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 11 at 7.48
Action #4 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 14 at 8.84
Action #5 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 15 at 8.97
Action #6 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 38 at 9.05
Action #7 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 16 at 9.20
Action #8 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 19 at 9.91
Action #9 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 17 at 9.39
Action #10 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 23 at 10.92
Action #11 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 35 at 7.37
Action #12 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 36 at 7.74
Action #13 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 12 at 8.04
Action #14 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 17 at 9.34
Action #15 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 22 at 10.82
Action #16 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 23 at 10.91
Action #17 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 24 at 11.31
Action #18 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.176 to t=7.177
Action #19 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.177 to t=7.186
Action #20 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.186 to t=7.194
Action #21 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.194 to t=7.206
Action #22 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.206 to t=7.221
Action #23 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.221 to t=7.245
Action #24 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.245 to t=7.257
Action #25 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.257 to t=7.280
Action #26 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.280 to t=7.314
Action #27 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.314 to t=7.357
Action #28 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.357 to t=7.362
Action #29 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 10 from t=7.362 to t=7.363
Action #30 : 27/10/2025 12:32:42 p. m. : MERGE peak # 10
Action #31 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 35 at 7.65
Action #32 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 35 from t=7.650 to t=7.636
Action #33 : 27/10/2025 12:32:42 p. m. : MOVE valley peak # 35 from t=7.636 to t=7.646
Action #34 : 27/10/2025 12:32:42 p. m. : MERGE peak # 11
Action #35 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 44 at 7.80
Action #36 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 50 at 7.82
Action #37 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 51 at 8.28
Action #38 : 27/10/2025 12:32:42 p. m. : SPLIT peak # 11 at 8.56

Peak Identification table :

| Peak Name | RT [min] | Abs.Window[min] | Window % | Ref? | Mode |
|------------|----------|-----------------|----------|------|---------|
| UNKNOWN_2 | 1.14 | 0.20 | 0.00 | | Nearest |
| heptano | 1.48 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_4 | 2.11 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_5 | 4.10 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_6 | 5.86 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_7 | 6.93 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_8 | 6.96 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_9 | 7.71 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_10 | 7.84 | 0.20 | 0.00 | | Nearest |

Chromatogram : 12.1_channel1

System : 450-CC
Method : Biodiesel FAME 2023
User : User1

Acquired : 24/10/2025 12:03:12 p. m.
Processed : 27/10/2025 12:32:42 p. m.
Printed : 27/10/2025 01:33:39 p. m.

| Peak Name | RT [min] | Abs.Window[min] | Window % | Ref? | Mode |
|------------|----------|-----------------|----------|------|---------|
| UNKNOWN_11 | 8.04 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_12 | 8.41 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_13 | 9.32 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_1 | 9.54 | 0.20 | 0.00 | | Nearest |
| UNKNOWN_14 | 10.71 | 0.20 | 0.00 | | Nearest |

Resolve with references : No

Group Identification table :

| Group Name | Group type | Parameters |
|------------|------------|------------|
|------------|------------|------------|

Calibration Method :

Method type : Response %

Response : Area

Standard Unit : g/l

Calibration curve file name :

Factors : Curve

Subtract internal standard mass

Response unit : Curve

Unknown mode : None

Calibration components :

| Component | Level 1 | Level 2 | Level 3 | Level 4 | Control Sample |
|-----------|---------|---------|---------|---------|----------------|
|-----------|---------|---------|---------|---------|----------------|

Suitability tests :

Export :

File 1 :

Export type : EXCEL

Format

Add a new sheet.

Destination :

File name : SEQNAME

File path : DEFAULT

File ext. : .XLS

Content :

- Peak results (format :)

Post Run :

Print Method :

File name : : default_standard

Copies : 0

Summary :