3/27/2024

**Worklist: 6747**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION | |
|----------|------|-----------|-------------|---|
| M2024-0512 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |||| |||| |||||||||||||||||||||||||||||||||| |
| M2024-0778 | 2 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0458 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0509 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0517 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0551 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0559 | 2 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0566 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0576 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0587 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0629 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0672 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
| P2024-0675 | 1 | BCK | AM 27 Blood THC Quant by LC-QQQ | |
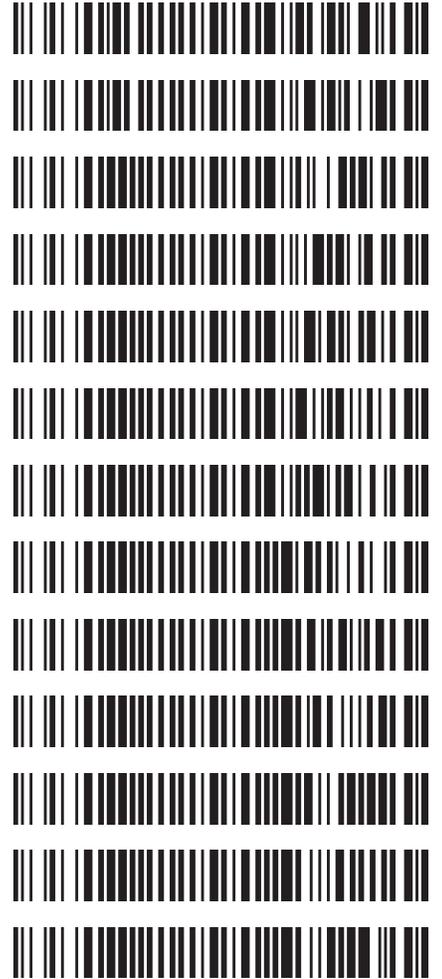
# AM# 27: Quantitation of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date:  03/14/2024        Analyst:  Celena Shrum
Plate lot#:  231212        Plate Retest Date:  06/12/2024
**Mobile phase A**: 0.1% Formic Acid in LCMS Water    **Mobile phase B:**  0.1% Formic acid in Acetonitrile
**Blank Blood Lot**: Lampire 23E52981        **Column**: UCT Selectra DA 100 x 2.1mm 3um
**LCMS-QQQ ID**:  069901

## Pre-Analytic:
☒　1.　Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒　2.　Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

## Analytic:
☒　1.　Remove standards, plate, controls, and samples from cold storage.  Allow to reach room temperature.
☐　2.　Urine hydrolysis (if applicable): add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒　3.　Using a calibrated pipette, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of the analytical (standards) plate. **Pipette ID: #42**
☒　4.　Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒　5.　Add **500µL of 0.1% formic acid in water to blood samples or 500µl of saturated phosphate buffer to urine samples** to the appropriate wells of the analytical plate.
☒　6.　Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒　7.　Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
☒　8.　Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 067104
☒　9.　Wait 5 minutes.
☒　10.　Add **2.25mL MTBE. (*Add in 3 increments of 750uL*)**
☒　11.　Wait 5 minutes.
☒　12.　Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒　13.　Add **2.25mL Hexane. (*Add in 3 increments of 750uL*)**
☒　14.　Wait 5 minutes.
☒　15.　Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒　16.　Remove plate containing eluate.  Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒　16.　Reconstitute in **100µL 100% MeOH** and heat seal plate with foil.  Place in autosampler and run worklist.

## Post-Analytic
☒　1.　Create batch and process data.
☒　2.　Make any necessary integration changes, Curve weighting of Linear 1/x with $r^2$ values ≥0.98 for each analyte
☒　3.　RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less). Ion ratios must be within +/- 20% of the averaged calibrators
☒　4.　Case sample response for THC 1ng/mL and OH-THC 3ng/mL (quantitative), Carboxy-THC: 5ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.  THC concentrations of 1-3ng/mL will be reported qualitatively.
☒　5.　Did all QCs pass for each analyte?  (if not, describe in comments section)
☒　6.　Enter QCs into control charting.
☒　7.　Central File Packet to include:  LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: The instrument ran out of mobile phase, so new mobile phase was made (on 3/15/24) and the negative control was reinjected prior to restarting the run.
Curve limits: THC-OH 3-100 Cal 1 dropped due to ratio

|   | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| a |   |   |   |   | P2024-0551-1 | QC 1 |
| b |   |   |   | P2024-0675-1 | P2024-0517-1 | cal 100 ng |
| c |   |   |   | P2024-0672-1 | P2024-0509-1 | cal 50 ng |
| d |   |   |   | P2024-0629-1 | P2024-0458-1 | cal 25 ng |
| e |   |   |   | P2024-0587-1 | M2024-0778-2 | cal 10ng |
| f |   |   |   | P2024-0576-1 | M2024-0512-1 | cal 5 ng |
| g |   |   |   | P2024-0566-1 | NEG Blood | cal 3 ng |
| h |   |   |   | P2024-0559-2 | QC 2 | cal 1ng |

# AM #27 Cannabinoids Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update** 3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | MJ Negative Blood.d |
| **Type** | Sample | **Sample** | MJ Negative Blood |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-G5 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/14/2024 6:08:46 PM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

**Sample Chromatogram**



+ TIC MRM (** -> **) MJ Negative Blood.d (MJ Negative Blood)

**Batch results**        D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**  3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | MJ QC Control Blood.d |
| **Type** | QC | **Sample** | MJ QC Control Blood |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-A6 | **Comment** | <span style="color:red">Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.</span> |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 3/14/2024 5:42:32 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



+ TIC MRM (** -> **) MJ QC Control Blood.d (MJ QC Control Blood)
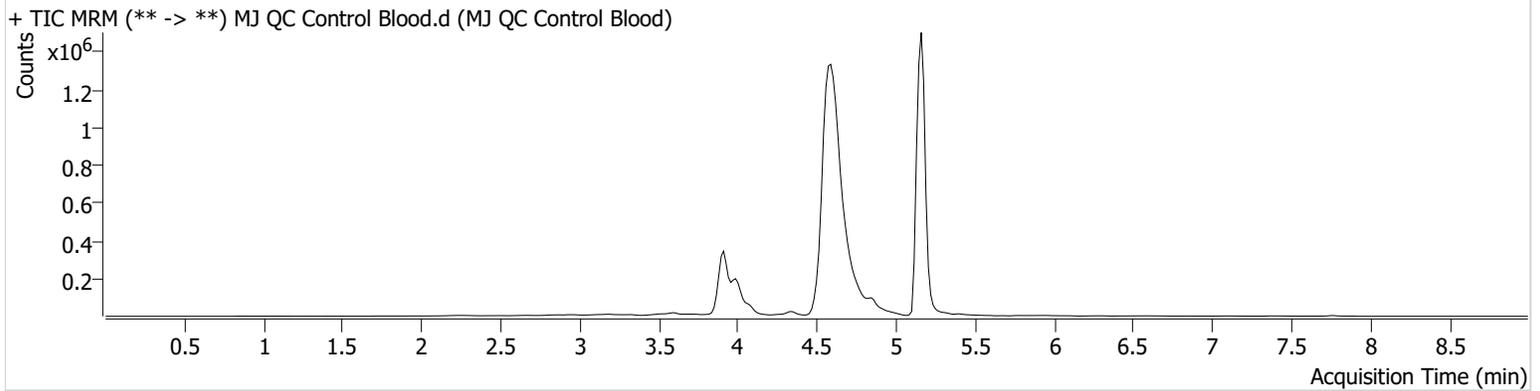
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 230080 | 1323.50 | 26.6 | 327.19 | 5277397 | 4.8374 ng/ml |
| THC-COOH | 4.000 | 38744 | 260.21 | 237.3 | 707.72 | 434247 | 14.3650 ng/ml |
| THC-OH | 3.911 | 113600 | ∞ | 12.3 | ∞ | 1341711 | 5.1392 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**      D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**    3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | MJ Negative Blood_r.d |
| **Type** | Sample | **Sample** | MJ Negative Blood_r |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-G5 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/15/2024 9:02:04 AM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

**Sample Chromatogram**



+ TIC MRM (** -> **) MJ Negative Blood_r.d (MJ Negative Blood_r)

# AM #27 Cannabinoids Quant. Results

**Batch results**          D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**  3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | QC end MJ.d |
| **Type** | QC | **Sample** | QC end MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-H5 | **Comment** | <span style="color:red">Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.</span> |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 3/15/2024 1:55:15 PM | | |
| **Sample Info.** | | | |

## Sample Chromatogram



+ TIC MRM (** -> **) QC end MJ.d (QC end MJ)
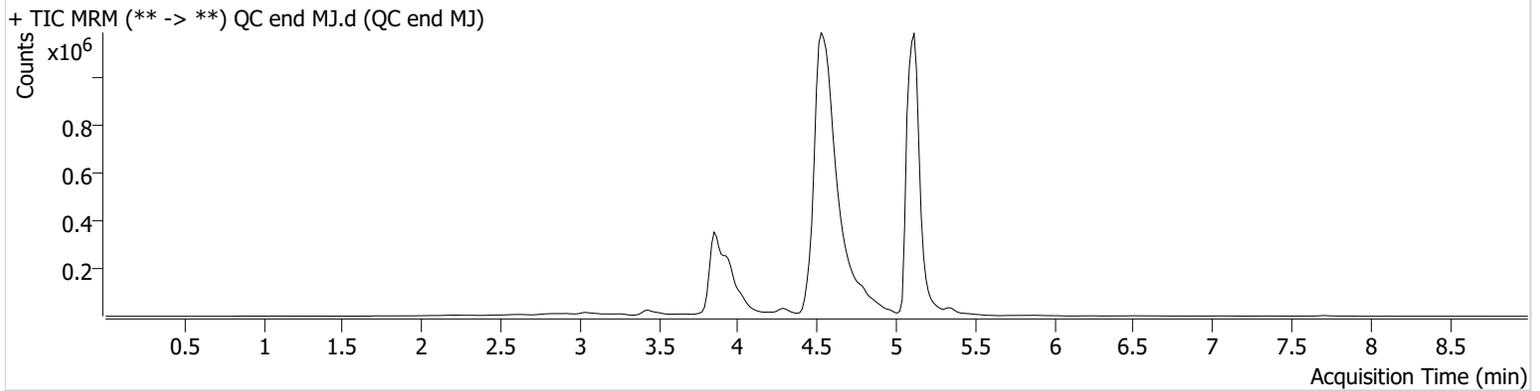
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.120 | 271040 | ∞ | 22.3 | ∞ | 6281764 | 4.7907 ng/ml |
| THC-COOH | 3.954 | 50949 | ∞ | 229.9 | ∞ | 558359 | 14.6739 ng/ml |
| THC-OH | 3.865 | 116262 | ∞ | 14.7 | ∞ | 1685602 | 4.2197 ng/ml |

# AM #27 Cannabinoids Quant. Calibration Curve Report

**Batch results**      D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin

**Last Cal. Update**      3/28/2024 11:20 AM

**Analyst Name**      ISP\datastor

**Analyte**      THC                **Internal Standard**      THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 2 QCs

$y = 0.009635 * x - 0.003013$

$R^2 = 0.99930732$

Type:Linear, Origin:Ignore, Weight:1/x
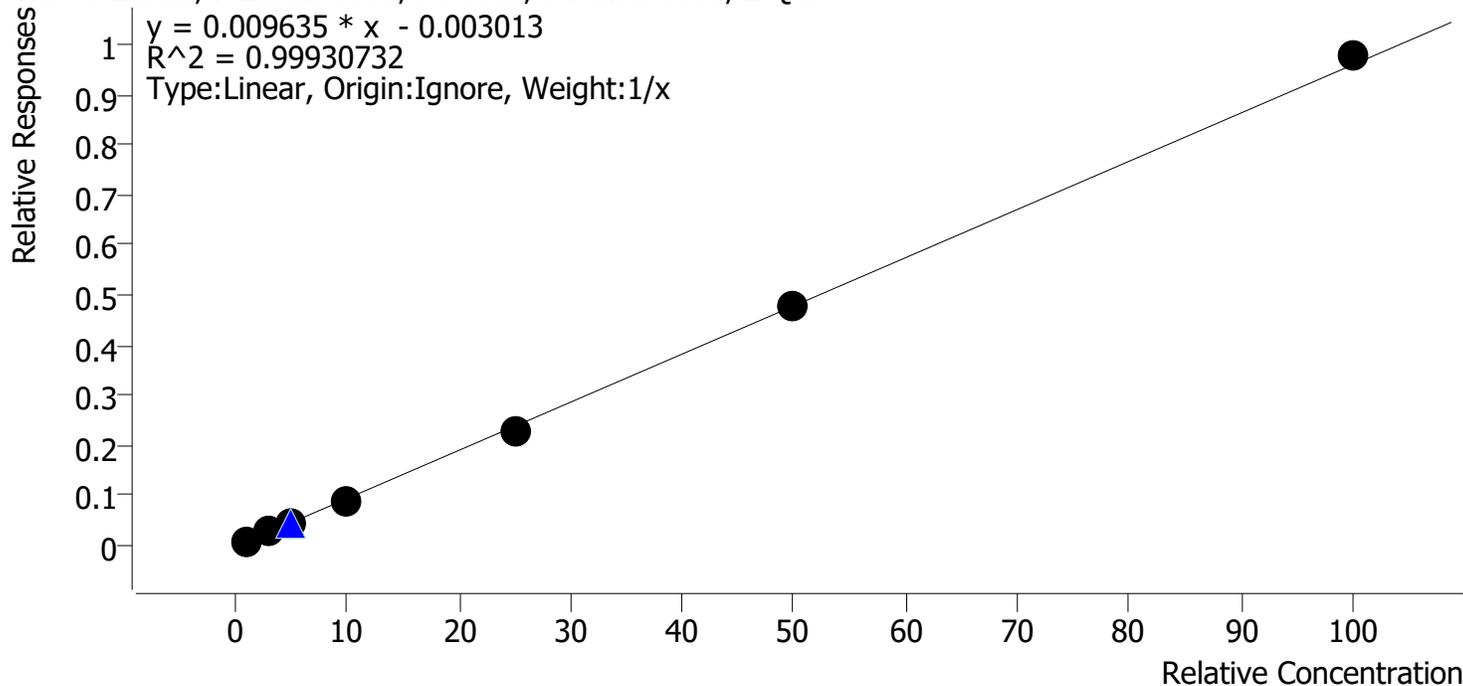


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| Cal 1 MJ | 1 | ✔ | 1.0 | 1.1 | 113.9 |
| Cal 2 MJ | 2 | ✔ | 3.0 | 2.9 | 97.5 |
| Cal 3 MJ | 3 | ✔ | 5.0 | 4.8 | 95.4 |
| Cal 4 MJ | 4 | ✔ | 10.0 | 9.5 | 95.5 |
| Cal 5 MJ | 5 | ✔ | 25.0 | 24.2 | 96.7 |
| Cal 6 MJ | 6 | ✔ | 50.0 | 49.7 | 99.3 |
| Cal 7 MJ | 7 | ✔ | 100.0 | 101.8 | 101.8 |

# AM #27 Cannabinoids Quant. Calibration Curve Report

**Batch results**      D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Last Cal. Update**   3/28/2024 11:20 AM
**Analyst Name**       ISP\datastor
**Analyte**            THC-COOH                                    **Internal Standard**      THC-COOH-D9

THC-COOH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 2 QCs

y = 0.006567 * x  - 0.005115
R^2 = 0.99851046
Type:Linear, Origin:Ignore, Weight:1/x
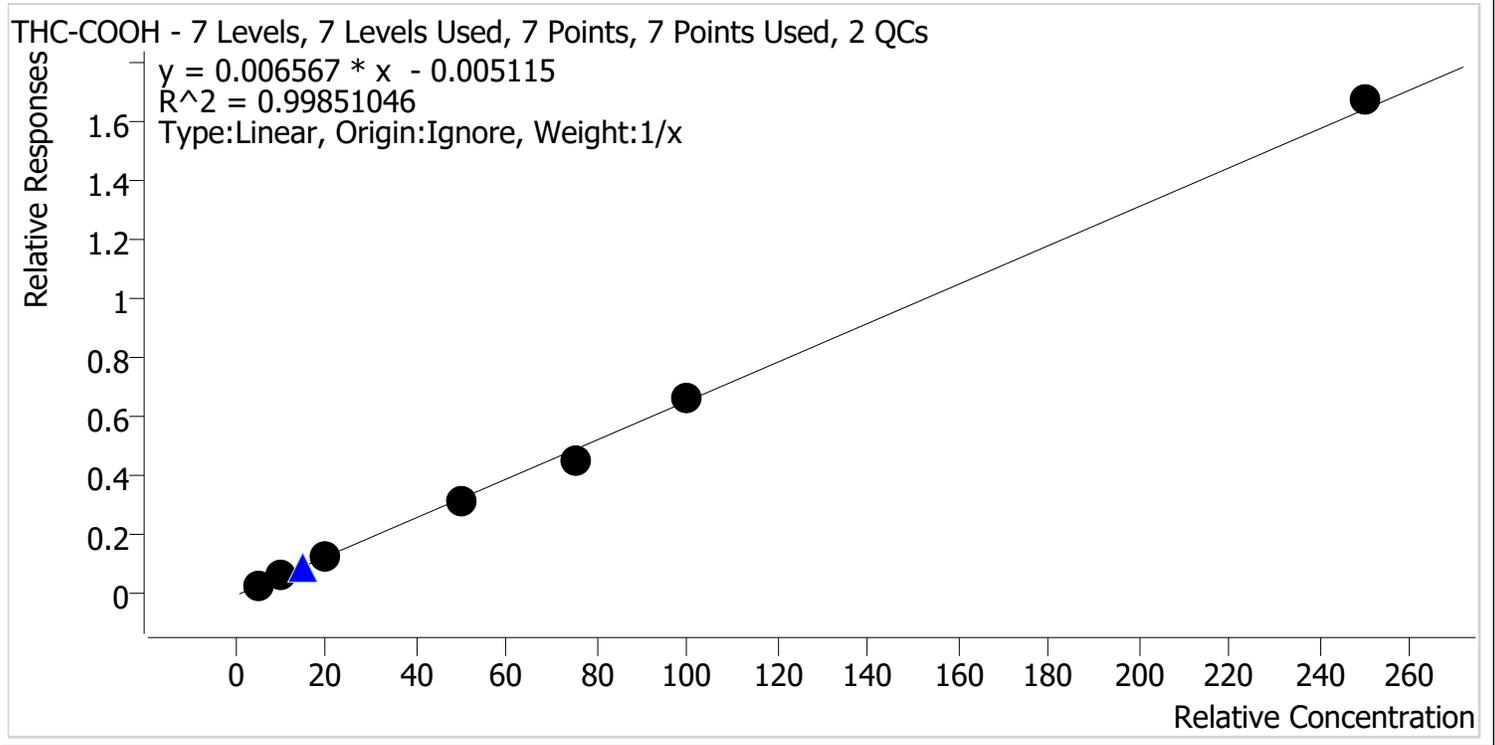


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| Cal 1 MJ | 1 | ✔ | 5.0 | 5.2 | 104.7 |
| Cal 2 MJ | 2 | ✔ | 10.0 | 10.3 | 102.7 |
| Cal 3 MJ | 3 | ✔ | 20.0 | 19.7 | 98.3 |
| Cal 4 MJ | 4 | ✔ | 50.0 | 49.3 | 98.6 |
| Cal 5 MJ | 5 | ✔ | 75.0 | 69.3 | 92.4 |
| Cal 6 MJ | 6 | ✔ | 100.0 | 101.4 | 101.4 |
| Cal 7 MJ | 7 | ✔ | 250.0 | 254.8 | 101.9 |

# AM #27 Cannabinoids Quant. Calibration Curve Report

**Batch results**       D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Last Cal. Update**    3/28/2024 11:20 AM
**Analyst Name**        ISP\datastor
**Analyte**             THC-OH                                    **Internal Standard**       THC-OH-D3

THC-OH - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 2 QCs
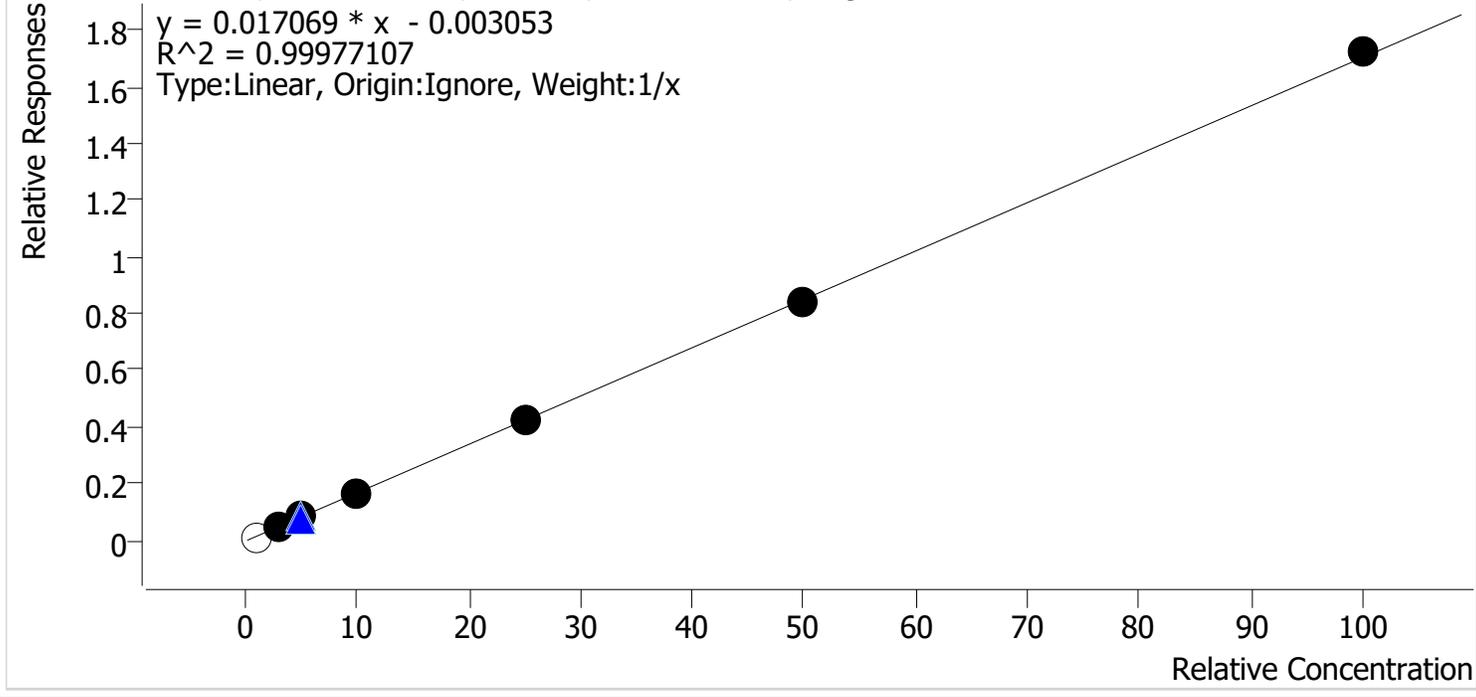
$y = 0.017069 * x - 0.003053$
$R^2 = 0.99977107$
Type:Linear, Origin:Ignore, Weight:1/x



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|--------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1 | ✗ | 1.0 | 0.8 | 79.2 |
| Cal 2 MJ | 2 | ✔ | 3.0 | 3.1 | 103.2 |
| Cal 3 MJ | 3 | ✔ | 5.0 | 5.0 | 99.5 |
| Cal 4 MJ | 4 | ✔ | 10.0 | 9.9 | 98.8 |
| Cal 5 MJ | 5 | ✔ | 25.0 | 24.8 | 99.1 |
| Cal 6 MJ | 6 | ✔ | 50.0 | 49.2 | 98.4 |
| Cal 7 MJ | 7 | ✔ | 100.0 | 101.1 | 101.1 |

# AM #27 Cannabinoids Quant. Results

**Batch results**        D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**   3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 1 MJ.d |
| **Type** | Cal | **Sample** | Cal 1 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-H6 | **Comment** | <span style="color:red">Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.</span> |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 3/14/2024 3:57:32 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



+ TIC MRM (** -> **) Cal 1 MJ.d (Cal 1 MJ)
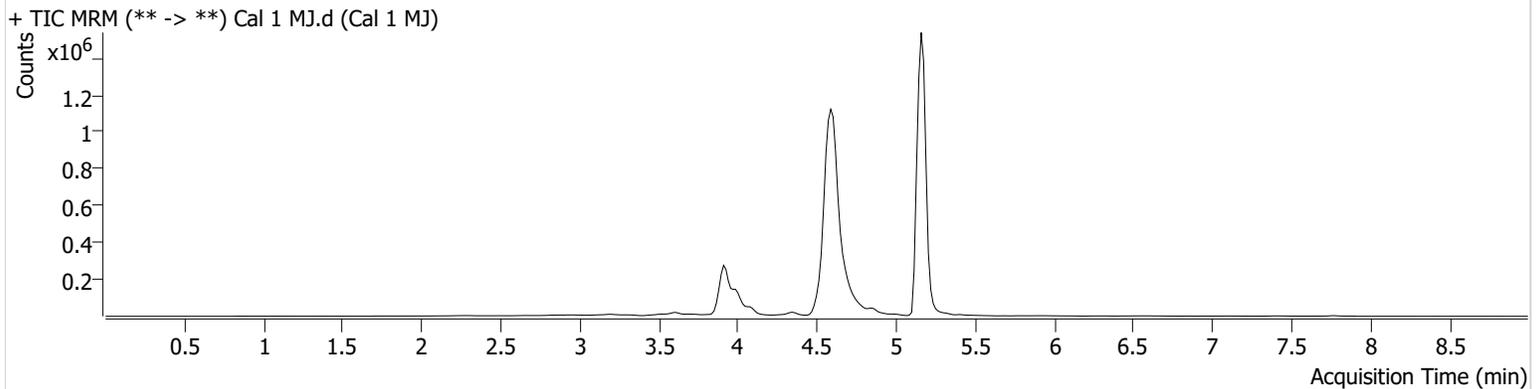
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.180 | 46153 | ∞ | 30.4 | ∞ | 5798814 | 1.1387 ng/ml |
| THC-COOH | 4.015 | 11190 | 100.64 | 236.0 | ∞ | 382565 | 5.2329 ng/ml |
| THC-OH | 3.926 | 12049 | ∞ | 22.4 **High** | 66.43 | 1151105 | 0.7921 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**          D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**  3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 2 MJ.d |
| **Type** | Cal | **Sample** | Cal 2 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-G6 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/14/2024 4:10:47 PM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

### Sample Chromatogram



+ TIC MRM (** -> **) Cal 2 MJ.d (Cal 2 MJ)
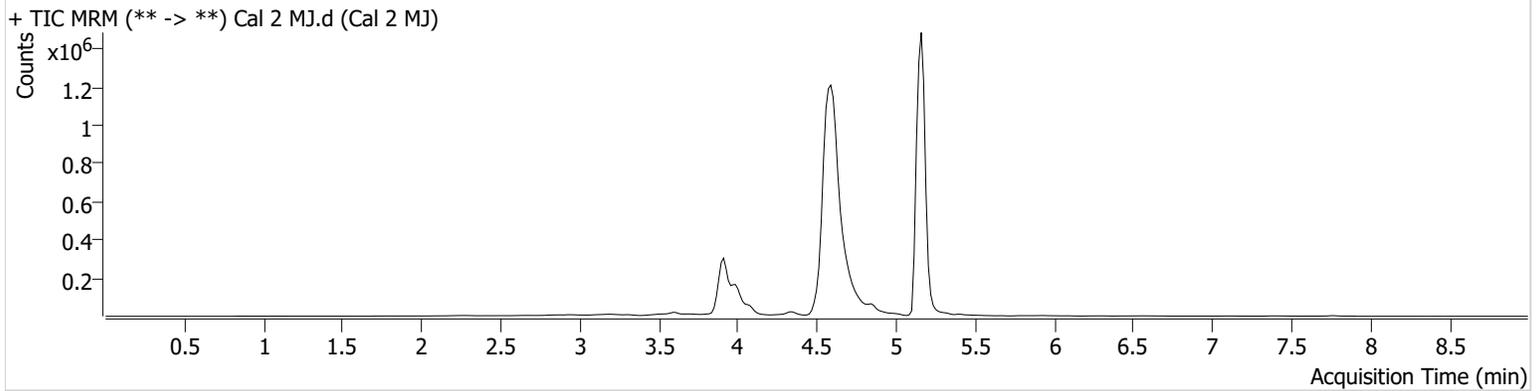
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 136616 | ∞ | 26.8 | ∞ | 5428029 | 2.9248 ng/ml |
| THC-COOH | 4.000 | 25147 | ∞ | 219.2 | ∞ | 403536 | 10.2680 ng/ml |
| THC-OH | 3.911 | 61574 | ∞ | 11.5 | ∞ | 1236779 | 3.0956 ng/ml |

**Batch results**          D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**  3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 3 MJ.d |
| **Type** | Cal | **Sample** | Cal 3 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-F6 | **Comment** | Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods. |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 3/14/2024 4:23:53 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



+ TIC MRM (** -> **) Cal 3 MJ.d (Cal 3 MJ)
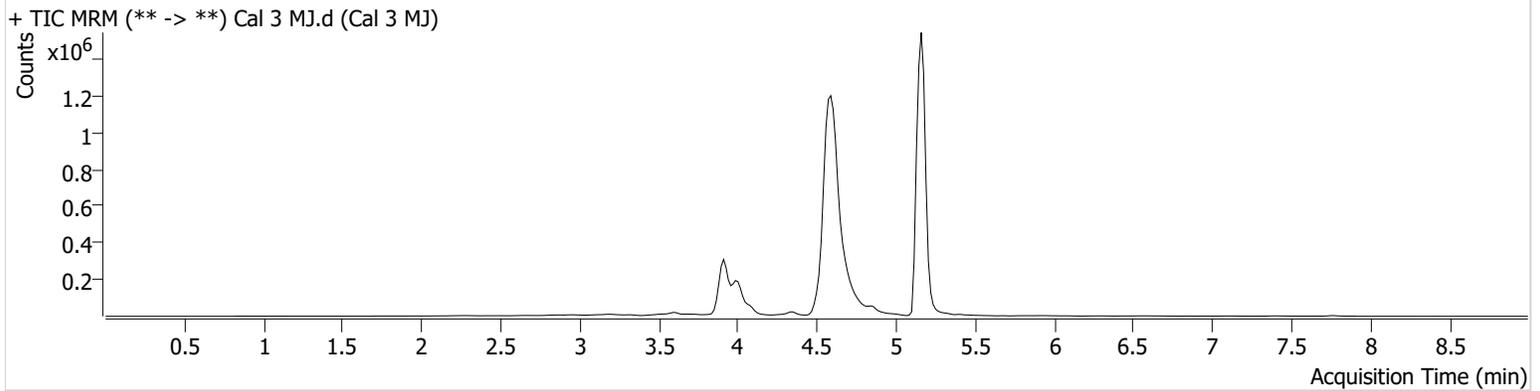
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 239774 | ∞ | 26.1 | ∞ | 5583599 | 4.7695 ng/ml |
| THC-COOH | 4.015 | 48411 | 301.66 | 227.7 | ∞ | 390543 | 19.6548 ng/ml |
| THC-OH | 3.911 | 97634 | ∞ | 12.3 | ∞ | 1192641 | 4.9749 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**        D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**   3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 4 MJ.d |
| **Type** | Cal | **Sample** | Cal 4 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-E6 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/14/2024 4:36:59 PM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

### Sample Chromatogram



+ TIC MRM (** -> **) Cal 4 MJ.d (Cal 4 MJ)
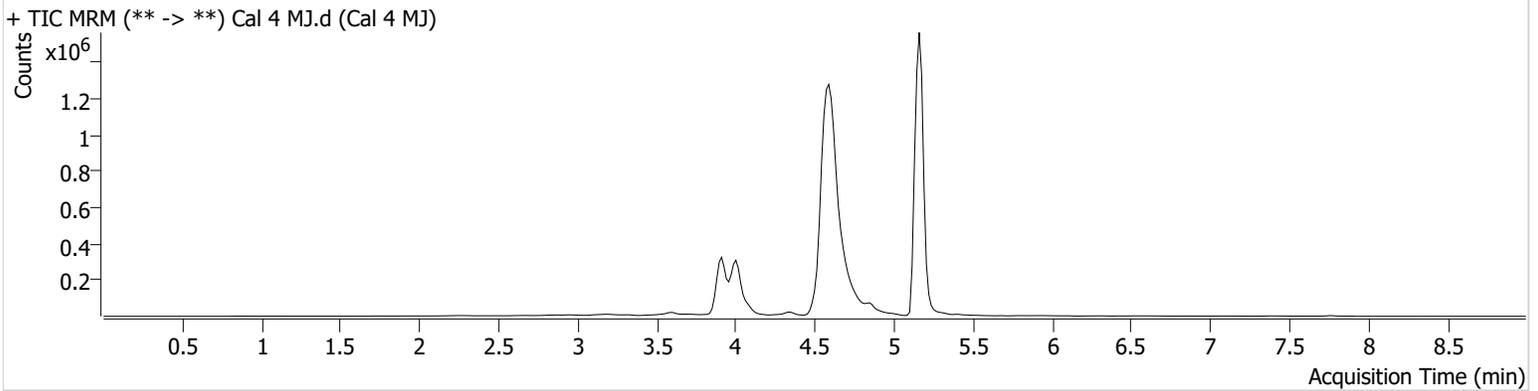
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 466498 | ∞ | 25.1 | ∞ | 5243545 | 9.5460 ng/ml |
| THC-COOH | 4.000 | 121734 | ∞ | 226.0 | ∞ | 382008 | 49.3045 ng/ml |
| THC-OH | 3.911 | 194971 | ∞ | 12.3 | ∞ | 1177929 | 9.8760 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**        D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**   3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 5 MJ.d |
| **Type** | Cal | **Sample** | Cal 5 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-D6 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/14/2024 4:50:05 PM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

## Sample Chromatogram



+ TIC MRM (** -> **) Cal 5 MJ.d (Cal 5 MJ)
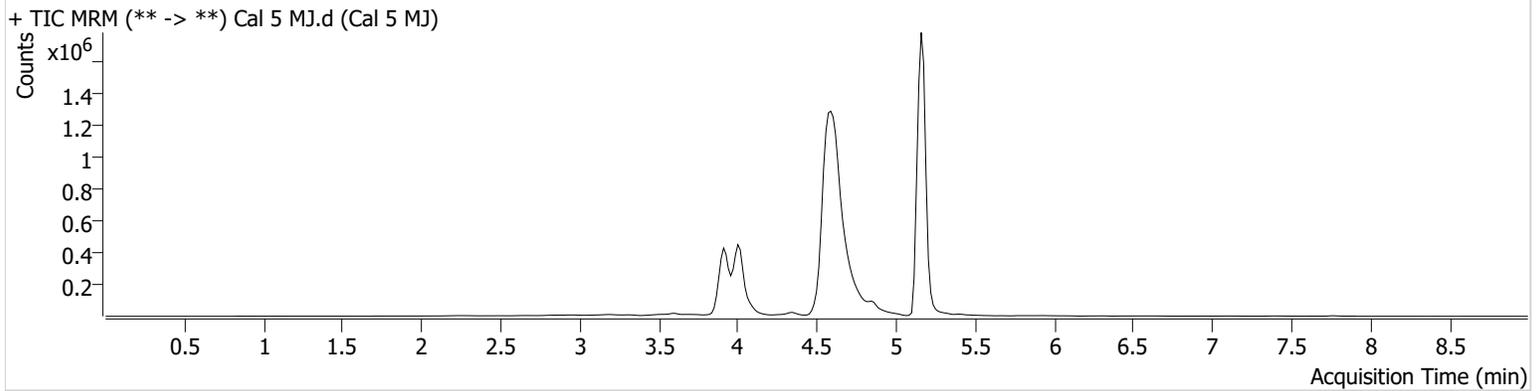
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 1175028 | ∞ | 24.9 | ∞ | 5111712 | 24.1696 ng/ml |
| THC-COOH | 4.015 | 181212 | 4577.64 | 246.8 | ∞ | 402624 | 69.3150 ng/ml |
| THC-OH | 3.911 | 542587 | ∞ | 13.0 | ∞ | 1292366 | 24.7754 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**         D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**   3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 6 MJ.d |
| **Type** | Cal | **Sample** | Cal 6 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-C6 | **Comment** | Only drugs and concentrations listed on the laboratory |
| **Injection Volume** | 10 | | report itself are appropriate to be used for |
| **Acq. Date-Time** | 3/14/2024 5:03:12 PM | | interpretation purposes. Any drugs or values included |
| **Sample Info.** | | | in the notes but not included on the report are used by |
| | | | laboratory personnel to make determinations/reach |
| | | | conclusions within the confines of the methods. |

**Sample Chromatogram**



+ TIC MRM (** -> **) Cal 6 MJ.d (Cal 6 MJ)
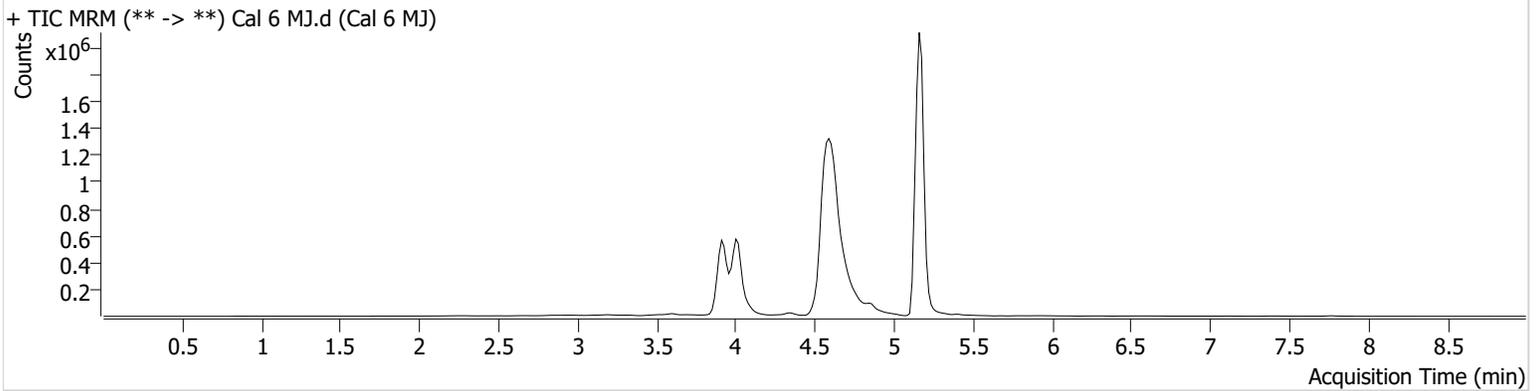
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.165 | 2316398 | ∞ | 25.3 | ∞ | 4872082 | 49.6564 ng/ml |
| THC-COOH | 4.000 | 266901 | ∞ | 225.9 | ∞ | 403732 | 101.4466 ng/ml |
| THC-OH | 3.926 | 1070655 | ∞ | 13.2 | ∞ | 1280182 | 49.1757 ng/ml |

# AM #27 Cannabinoids Quant. Results

**Batch results**     D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 27.batch.bin
**Calibration Last Update**     3/28/2024 11:20:24 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco (069901) | **Data File** | Cal 7 MJ.d |
| **Type** | Cal | **Sample** | Cal 7 MJ |
| **Acq. Method** | AM 27 Agilent Method.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-B6 | **Comment** | <span style="color:red">Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.</span> |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 3/14/2024 5:16:19 PM | | |
| **Sample Info.** | | | |

## Sample Chromatogram



+ TIC MRM (** -> **) Cal 7 MJ.d (Cal 7 MJ)
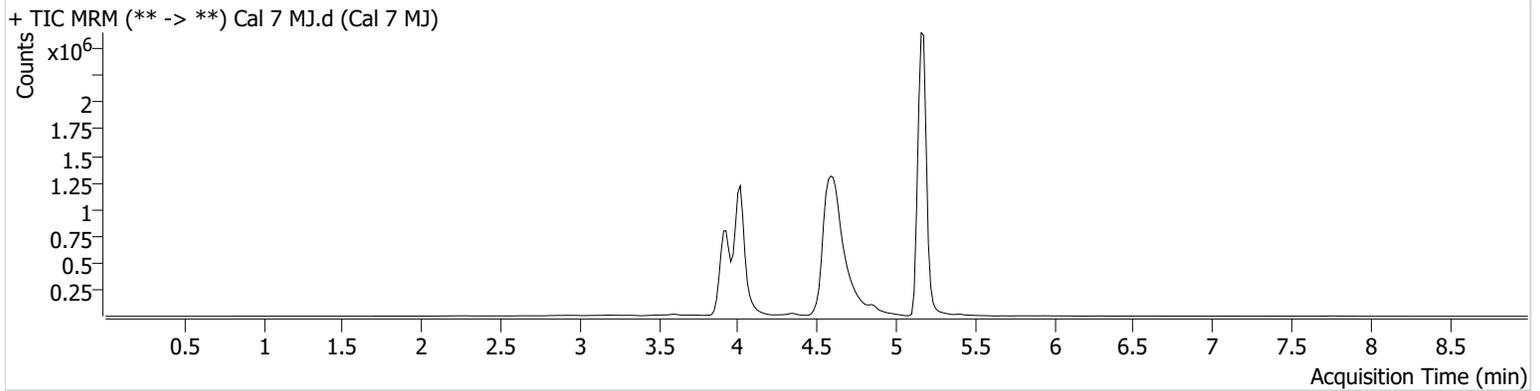
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---|---|---|---|---|---|---|---|
| THC | 5.180 | 4423637 | ∞ | 25.4 | ∞ | 4523993 | 101.7950 ng/ml |
| THC-COOH | 4.015 | 637727 | 6124.76 | 226.1 | 10189.59 | 382326 | 254.7781 ng/ml |
| THC-OH | 3.926 | 2157824 | ∞ | 13.1 | 1142.47 | 1252604 | 101.1024 ng/ml |