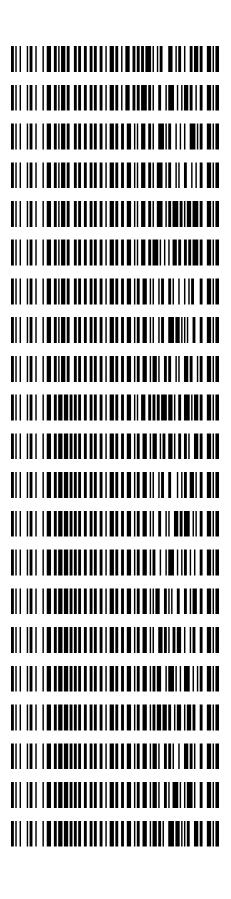
Worklist: 6931

| LAB CASE | <u>ITEM</u> | ITEM TYPE | <u>DESCRIPTION</u> |
|------------|-------------|-----------|---------------------------------|
| M2024-1207 | 1 | COBCK | AM 27 Blood THC Quant by LC-QQQ |
| M2024-1668 | 1 | COBCK | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3496 | 4 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3550 | 1 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3566 | 3 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3567 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3705 | 3 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3726 | 1 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| M2024-3937 | 2 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2716 | 2 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2803 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2836 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2851 | 1 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2891 | 1 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2950 | 1 | ВСК | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2960 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-2999 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-3003 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-3010 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-3014 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| P2024-3027 | 1 | вск | AM 27 Blood THC Quant by LC-QQQ |
| | | | |



Worklist: 6931

LAB CASE ITEM ITEM TYPE DESCRIPTION

P2024-3030 2 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: 10/04/2024 Analyst: <u>Tamara Salazar</u>
Plate lot#: 240919 Plate Retest Date: 03/19/2025

Mobile phase A: 0.1% Formic Acid in LCMS Water Mobile phase B: 0.1% Formic acid in Acetonitrile

Blank Blood Lot: Lampire 24C52816 Blank Urine Lot:

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.

Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Using a calibrated pipette, pipette 1000μL blood or 1000μL urine in wells of analytical (standards) plate. Pipette ID: 42
- ☐ 3. Urine hydrolysis add 100 ul BG turbo, and 200 ul BG turbo buffer to the urine samples in wells of the analytical plate.
- Δ 4. Add 500

 µL of 0.1% formic acid in water in the wells of the analytical plate.
- ∑ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.

- \boxtimes 8. Wait 5 minutes.
- \boxtimes 10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- □ 12. Add 2.25mL Hexane. (Add in 3 increments of 750uL)
- \boxtimes 13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 16. Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- \boxtimes 1. Create batch and process data.
- \boxtimes 2. Make any necessary integration changes, Curve weighting of Linear 1/x with r^2 values \ge 0.98 for each analyte

- 🖂 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: THC-OH - 3-100--calibrator 1 dropped due to ratio

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-------------|--------------|--------------|--------------|--------------|-------------|
| Α | IS + Cal. 1 | IS + QC_1 | M2024-3726-1 | P2024-2891-1 | P2024-3030-2 | IS + QC_1 |
| В | IS + Cal. 2 | IS + QC_2 | P2024-2716-2 | P2024-2950-1 | | IS + Cal. 7 |
| С | IS + Cal. 3 | Neg Blood | P2024-2803-1 | P2024-2960-1 | | IS + Cal. 6 |
| D | IS + Cal. 4 | M2024-1207-1 | P2024-2836-1 | P2024-2999-1 | | IS + Cal. 5 |
| E | IS + Cal. 5 | M2024-1668-1 | P2024-2851-1 | P2024-3003-1 | | IS + Cal. 4 |
| F | IS + Cal. 6 | M2024-3496-4 | M2024-3550-1 | P2024-3010-1 | | IS + Cal. 3 |
| G | IS + Cal. 7 | M2024-3566-3 | M2024-3567-1 | P2024-3014-1 | IS + QC_2 | IS + Cal. 2 |
| Н | IS + QC_1 | M2024-3705-3 | M2024-3937-2 | P2024-3027-1 | IS + QC_1 | IS + Cal. 1 |

All wells to contain 100 μl of residual DMSO



D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin **Batch results** Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method **Sample Position Injection Volume** Falco (069901) Sample

10

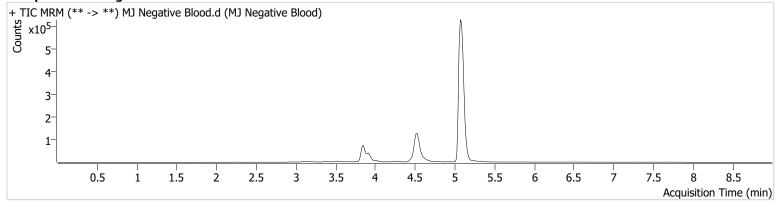
P5-C2

10/4/2024 1:47:40 PM

Acq. Date-Time Sample Info.

Data File Sample AM 27 Agilent Method.m Operator Comment MJ Negative Blood.d MJ Negative Blood Tamara Salazar

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.



D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin **Batch results** Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method **Sample Position Injection Volume** Falco (069901) QC

10

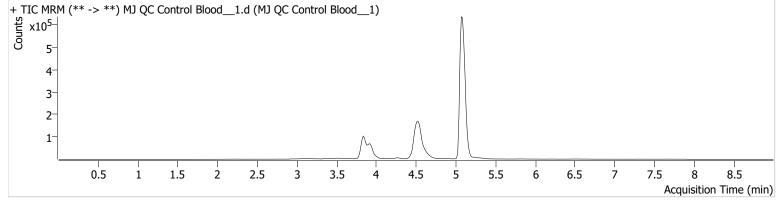
P5-H1

10/4/2024 1:21:30 PM

Acq. Date-Time Sample Info.

Data File Sample AM 27 Agilent Method.m Operator Comment MJ QC Control Blood__1.d MJ QC Control Blood 1 Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|--------|----------|-------|--------------------|---------------|---------------|
| THC | 5.090 | 132055 | ∞ | 28.1 | œ | 2660575 | 5.0020 ng/ml |
| THC-COOH | 3.924 | 18577 | ∞ | 198.1 | 738.91 | 158062 | 14.4006 ng/ml |
| THC-OH | 3.850 | 35715 | ∞ | 12.7 | 8 4 .19 | 403805 | 5.2035 ng/ml |

Batch results

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type**

Falco (069901)

QC

Acq. Method

Sample Position Injection Volume

10 10/4/2024 11:50:04 PM

Acq. Date-Time Sample Info.

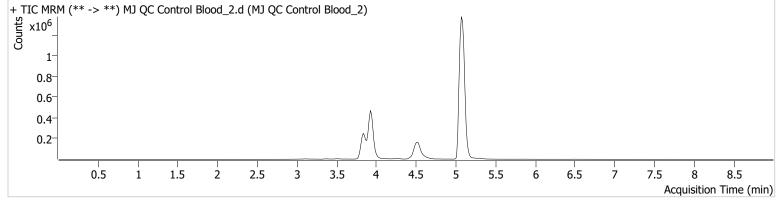
AM 27 Agilent Method.m P5-B2

Data File Sample Operator Comment MJ QC Control Blood_2.d MJ QC Control Blood 2

Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|---------|----------|-------|----------|---------------|----------------|
| THC | 5.090 | 2786951 | ∞ | 27.2 | ∞ | 2803374 | 97.5076 ng/ml |
| THC-COOH | 3.924 | 281620 | ∞ | 200.8 | 16707.81 | 140901 | 243.2862 ng/ml |
| THC-OH | 3.835 | 641387 | ∞ | 14.0 | 3806.52 | 396543 | 100.8283 ng/ml |

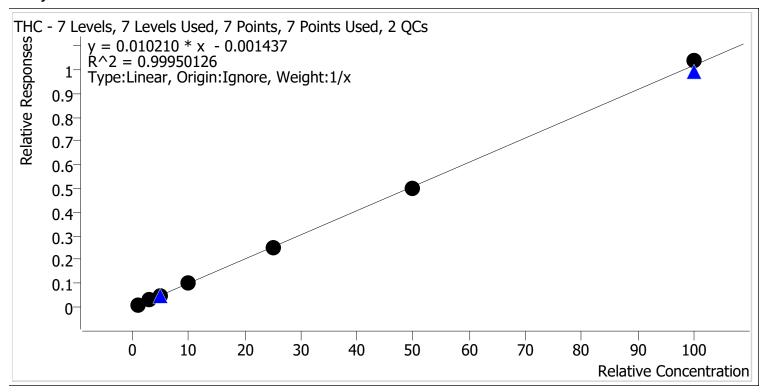


AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Last Cal. Update 10/8/2024 8:20 AM Analyst Name ISP\Datastor

Analyte THC Internal Standard THC-D3



| Sample | Level | Enabled | Expected Concentration | | Accuracy |
|----------|-------|---------|------------------------|-------|----------|
| Cal 1 MJ | 1 | ~ | 1.0 | 1.1 | 109.0 |
| Cal 2 MJ | 2 | ~ | 3.0 | 2.9 | 97.6 |
| Cal 3 MJ | 3 | ~ | 5.0 | 4.9 | 97.7 |
| Cal 4 MJ | 4 | ~ | 10.0 | 9.8 | 97.8 |
| Cal 5 MJ | 5 | ~ | 25.0 | 24.5 | 98.2 |
| Cal 6 MJ | 6 | ~ | 50.0 | 48.9 | 97.9 |
| Cal 7 MJ | 7 | ~ | 100.0 | 101.8 | 101.8 |

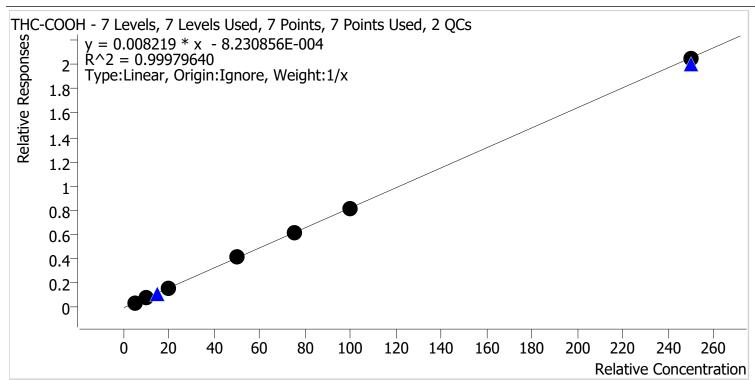


AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Last Cal. Update 10/8/2024 8:20 AM Analyst Name ISP\Datastor

Analyte THC-COOH Internal Standard THC-COOH-D9



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1 | V | 5.0 | 5.0 | 99.1 |
| Cal 2 MJ | 2 | V | 10.0 | 9.8 | 98.5 |
| Cal 3 MJ | 3 | ~ | 20.0 | 19.9 | 99.6 |
| Cal 4 MJ | 4 | V | 50.0 | 51.8 | 103.6 |
| Cal 5 MJ | 5 | V | 75.0 | 75.3 | 100.4 |
| Cal 6 MJ | 6 | ~ | 100.0 | 99.3 | 99.3 |
| Cal 7 MJ | 7 | ~ | 250.0 | 248.9 | 99.5 |

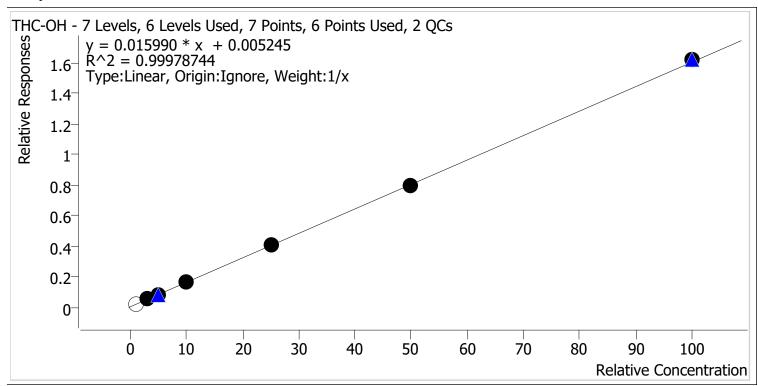


AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Last Cal. Update 10/8/2024 8:20 AM Analyst Name ISP\Datastor

Analyte THC-OH Internal Standard THC-OH-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1 | Х | 1.0 | 1.2 | 117.1 |
| Cal 2 MJ | 2 | ~ | 3.0 | 3.1 | 104.0 |
| Cal 3 MJ | 3 | ~ | 5.0 | 4.9 | 97.5 |
| Cal 4 MJ | 4 | V | 10.0 | 9.9 | 99.4 |
| Cal 5 MJ | 5 | ~ | 25.0 | 24.9 | 99.7 |
| Cal 6 MJ | 6 | ~ | 50.0 | 49.2 | 98.4 |
| Cal 7 MJ | 7 | ~ | 100.0 | 100.9 | 100.9 |

Batch results D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin 10/8/2024 8:20:46 AM

Instrument Type Acq. Method Falco (069901)

Cal

AM 27 Agilent Method.m P5-A1

Sample Position Injection Volume Acq. Date-Time

10 10/4/2024 11:36:39 AM

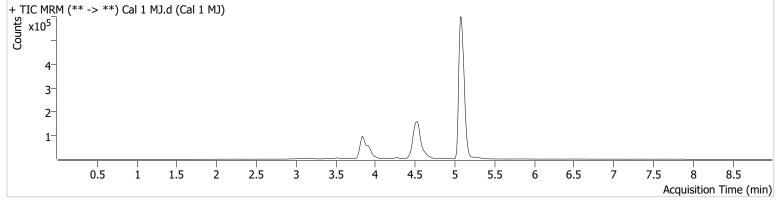
Sample Info.

Data File Sample Operator Comment

Cal 1 MJ.d Cal 1 MJ Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|-------|----------|-----------------|---------------------|---------------|--------------|
| THC | 5.090 | 25727 | 387.08 | 31.0 | ∞ | 2653934 | 1.0902 ng/ml |
| THC-COOH | 3.939 | 6424 | 143.62 | 199.0 | 312. 4 8 | 161015 | 4.9541 ng/ml |
| THC-OH | 3.850 | 9927 | ∞ | 10.3 Low | 20.09 | 414107 | 1.1712 ng/ml |

Batch results

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method Falco (069901)

Cal

AM 27 Agilent Method.m

Sample Position Injection Volume P5-B1 10

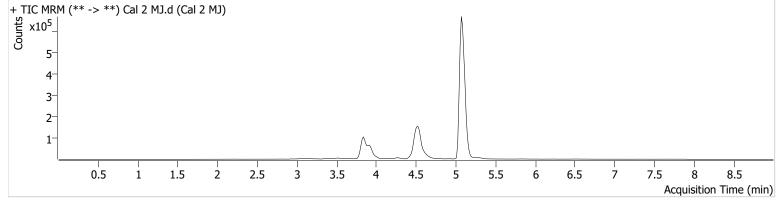
Acq. Date-Time 10/4/2024 11:49:54 AM

Sample Info.

Data File Sample Operator Comment Cal 2 MJ.d Cal 2 MJ

Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|-------|-----|-------|--------|---------------|--------------|
| THC | 5.090 | 81123 | ∞ | 29.2 | ∞ | 2850134 | 2.9284 ng/ml |
| THC-COOH | 3.939 | 12993 | ∞ | 196.2 | 461.37 | 162190 | 9.8470 ng/ml |
| THC-OH | 3.835 | 23622 | ∞ | 12.2 | 23.02 | 428502 | 3.1196 ng/ml |

Batch results

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method Falco (069901) Cal

Sample Position Injection Volume P5-C1 10

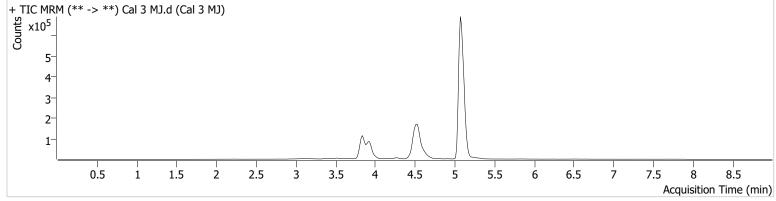
Acq. Date-Time Sample Info.

AM 27 Agilent Method.m

10/4/2024 12:02:58 PM

Data File Sample Operator Comment Cal 3 MJ.d Cal 3 MJ Tamara Salazar

> 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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|--------|--------|-------|--------|---------------|---------------|
| THC | 5.090 | 139627 | ∞ | 28.1 | ∞ | 2882210 | 4.8855 ng/ml |
| THC-COOH | 3.924 | 28892 | 328.94 | 187.3 | ∞ | 177387 | 19.9176 ng/ml |
| THC-OH | 3.835 | 38185 | ∞ | 13.2 | 165.88 | 458804 | 4.8771 ng/ml |

REPOSITATE PORCE

Batch results
D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin
10/8/2024 8:20:46 AM

Instrument
Type
Acq. Method

Falco (069901) Cal

AM 27 Agilent Method.m P5-D1

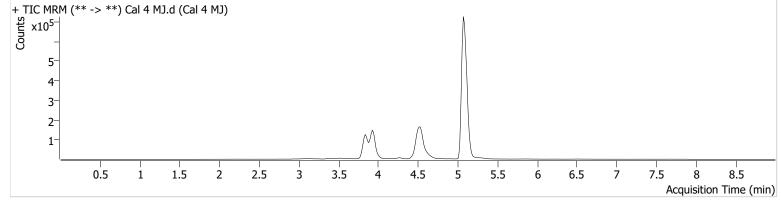
Sample Position Injection Volume Acq. Date-Time

10 10/4/2024 12:16:02 PM

Sample Info.

Data File Sample Operator Comment Cal 4 MJ.d Cal 4 MJ Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|--------|---------|-------|--------|---------------|---------------|
| THC | 5.090 | 282161 | ∞ | 27.3 | ∞ | 2867734 | 9.7773 ng/ml |
| THC-COOH | 3.924 | 73056 | 1414.73 | 191.3 | ∞ | 171936 | 51.7988 ng/ml |
| THC-OH | 3.850 | 76608 | ∞ | 13.7 | 239.48 | 466517 | 9.9419 ng/ml |

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin **Batch results** Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method Falco (069901)

Cal

AM 27 Agilent Method.m

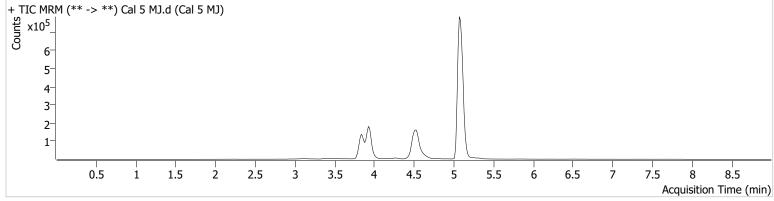
Sample Position Injection Volume P5-E1 10

Acq. Date-Time Sample Info.

10/4/2024 12:29:08 PM

Data File Sample Operator Comment Cal 5 MJ.d Cal 5 MJ Tamara Salazar

> 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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|--------|----------|-------|---------|---------------|---------------|
| THC | 5.090 | 672245 | ∞ | 27.0 | ∞ | 2697973 | 24.5443 ng/ml |
| THC-COOH | 3.939 | 96872 | 1277.12 | 194.8 | 3314.91 | 156744 | 75.2963 ng/ml |
| THC-OH | 3.850 | 168658 | ∞ | 13.6 | ∞ | 417562 | 24.9329 ng/ml |

SATIO STATE POLICE

OFFISIC SERVICES

Batch results
Calibration Last Undate

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin

Calibration Last Update 10/8/2024 8:20:46 AM

Instrument
Type
Acq. Method

Sample Info.

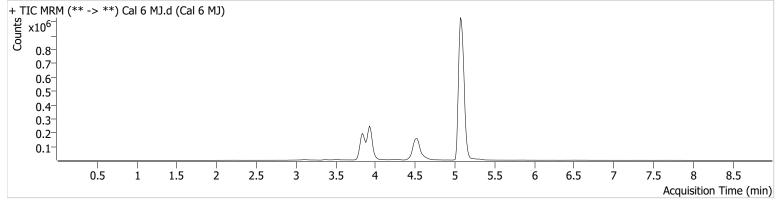
Falco (069901)

Cal

Sample Position Injection Volume Acq. Date-Time AM 27 Agilent Method.m P5-F1

10 10/4/2024 12:42:14 PM Data File Sample Operator Comment Cal 6 MJ.d Cal 6 MJ Tamara Salazar

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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|---------------------|----------|-------|----------|--------------------|---------------|
| THC | 5.090 | 1462233 | ∞ | 27.0 | ∞ | 2935173 | 48.9324 ng/ml |
| THC-COOH | 3.924 | 135033 | ∞ | 197.7 | 6563.93 | 165587 | 99.3209 ng/ml |
| THC-OH | 3.850 | 366 4 17 | ∞ | 14.1 | 1665.47 | 4 62765 | 49.1917 ng/ml |

D:\MassHunter\Data\2024\AM 27 28\100424 AM 27 28 TS\QuantResults\AM 27.batch.bin **Batch results** Calibration Last Update 10/8/2024 8:20:46 AM

Instrument **Type** Acq. Method **Sample Position** Falco (069901) Cal

AM 27 Agilent Method.m

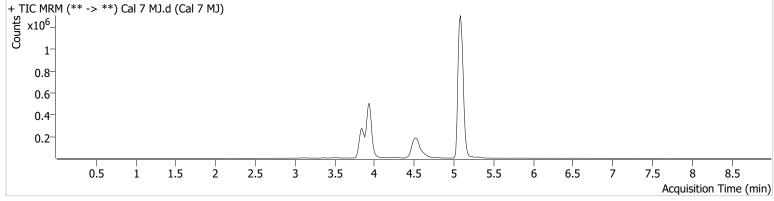
P5-G1 **Injection Volume** 10

Acq. Date-Time 10/4/2024 12:55:19 PM Sample Info.

Data File

Sample Operator Comment Cal 7 MJ.d Cal 7 MJ Tamara Salazar

> 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.



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------|-------|---------------------|----------|-------|---------|---------------|----------------|
| THC | 5.090 | 2624200 | ∞ | 27.1 | ∞ | 2527168 | 101.8419 ng/ml |
| THC-COOH | 3.939 | 3128 4 2 | ∞ | 195.3 | ∞ | 153012 | 248.8653 ng/ml |
| THC-OH | 3.850 | 714683 | ∞ | 13.5 | 1993.55 | 441385 | 100.9368 ng/ml |