









**Worklist: 6065**

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                               |   |
|-----------------|-------------|------------------|--|---|
| M2022-2996      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2022-3075      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2008      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2025      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2094      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2095      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2096      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2097      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2115      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| P2022-2123      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |   |
| P2022-2166      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2171      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2203      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2207      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2218      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2236      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2238      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2248      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2251      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2336      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2351      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |

**Worklist: 6065**

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| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                               |   |
|-----------------|-------------|------------------|--|---|
| P2022-2354      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2357      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2383      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2385      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2388      | 2           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2407      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2409      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2022-2426      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |

**Request for Departure from an Analytical Method or Quality Standard**

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Deviation Number (assigned by QM): TOX-22-01

Date of Request: 2/3/2022

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

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**Scope of Deviation** (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

**Deviation Request** (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

**Technical Justification for Analytical Method Deviations:** Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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Quality Approver: Jason Crowe  
Title: Quality Manager  
Date: 2/10/2022



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# AM# 25: Multi-Drug Screen in Blood and Urine by LC-MS/MS

Extraction Date: 08/15/2022  
Plate lot#: 211015  
Mobile phase A: 10mM Amm Form  
Blank Blood Lot: Lampire 22B52015-1  
LCMS-QQQ ID: 069901

Analyst: Tamara Salzar  
Plate Retest Date: 04/15/2022—ok with external control  
Mobile phase B: 0.1% Formic Acid in MeOH  
Blank Urine Lot: N/A  
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

### 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: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.  
Pipette ID: Click here to enter text. 08/23/2022 TS
- 4. ~~Place on shaking incubator at ambient temp., 900rpm for 15 minutes. -Skipped per deviation~~
- 5. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.  
Amount transferred: 300uL
- 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).**
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate.**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **900uL ethyl acetate.**
- 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.
- 17. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 18. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

08/23/2022 TS

### Post-Analytic

- 1. Open quantitation software and create a new quantitation batch.
- 2. Make necessary changes to integration limits
- 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration of 5 or greater or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

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|   | 1            | 2            | 3            | 4            | 5            | 6           | 7           | 8           | 9           | 10          | 11          | 12          |
|---|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A | IS + Cal. 1  | P2022-2094-1 | P2022-2203-1 | P2022-2354-1 | P2022-2236-1 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| B | IS + Cal. 1  | P2022-2095-1 | P2022-2207-1 | P2022-2357-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| C | Neg Blood    | P2022-2096-1 | P2022-2218-1 | P2022-2383-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| D | Ext Ctrl     | P2022-2097-1 | P2022-2238-1 | P2022-2385-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| E | M2022-2996-1 | P2022-2115-1 | P2022-2248-1 | P2022-2388-2 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| F | M2022-3075-1 | P2022-2123-1 | P2022-2251-1 | P2022-2407-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample |
| G | P2022-2008-1 | P2022-2166-1 | P2022-2336-1 | P2022-2409-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 1 |
| H | P2022-2025-1 | P2022-2171-1 | P2022-2351-1 | P2022-2426-1 | IS + Sample  | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 1 |

All wells to contain 60 µl of residual DMSO



# Idaho State Police Forensic Services

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## AM #25 Blood Multi-Drug Screen by LCMS-QQQ And AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

### Methanol External Control Solution (Lot: 042222)

*100 µL of 1mg/mL stock was added to each drug to 9600 µL of LC MeOH.*

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|------------------|---------------|--------------------------|------------------------|
| Methanol (LCMS)  | Fisher        | 215245                   | N/A                    |
| Tramadol         | Cerilliant    | FE10051901               | 12/31/2024             |
| Hydrocodone      | Cerilliant    | FE04241902               | 09/30/2024             |
| Alprazolam       | Cerilliant    | FE06102008               | 06/30/2025             |
| Buprenorphine    | Cerilliant    | FE03191903               | 06/31/2024             |
| Prepared:        | 04/22/2022    |                          |                        |
| Expires:         | 04/22/2023    |                          |                        |
| Prepared By:     | Celena Shrum  |                          |                        |

### Blood External Control Solution (Lot: WS042222)

*200 µL of methanol external control solution was added to 9800 µL of blood.  
Approximately 200 ng/mL of each compound.*

| <i>Component</i>                   | <i>Source</i> | <i>Source Lot Number</i> |
|------------------------------------|---------------|--------------------------|
| Negative Blood                     | Lampire       | 22B52016-2               |
| Methanol External Control Solution |               | 042222                   |
| Prepared:                          | 04/22/2022    |                          |
| Expires:                           | 04/22/2023    |                          |
| Prepared by:                       | Celena Shrum  |                          |

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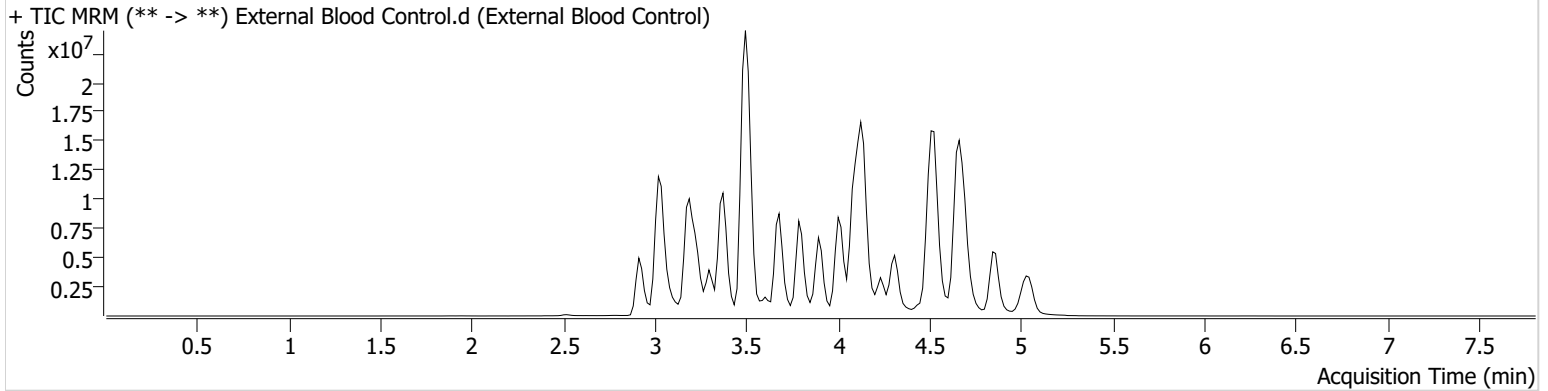


# AM #25 Multi-Drug Screen Results

**Batch results** G:\TOX\Pocatello\Falco\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 8/16/2022 8:40:46 AM

|                         |                      |                  |                          |
|-------------------------|----------------------|------------------|--------------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | External Blood Control.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | External Blood Control   |
| <b>Acq. Method</b>      | AM 25 MDS.m          | <b>Operator</b>  | Tamara Salazar           |
| <b>Sample Position</b>  | P2-D1                | <b>Comment</b>   |                          |
| <b>Injection Volume</b> | 5                    |                  |                          |
| <b>Acq. Date-Time</b>   | 8/15/2022 9:49:51 PM |                  |                          |
| <b>Sample Info.</b>     |                      |                  |                          |

## Sample Chromatogram



| Name          | RT    | Resp.    | S/N        | S/N       | ISTD Resp. | Calc. Conc. |
|---------------|-------|----------|------------|-----------|------------|-------------|
| Alprazolam    | 4.651 | 21374131 | 1826.52    | 736.75    | 22796303   | 56.4041     |
| Buprenorphine | 5.040 | 9040444  | 1741765.42 | 471666.20 | 4734465    | 83.5934     |
| Hydrocodone   | 3.220 | 10918758 | 3791.91    | 8637.79   | 10111663   | 63.5187     |
| Tramadol      | 3.499 | 87912767 | ∞          | 179.42    | 45857281   | 47.3565     |

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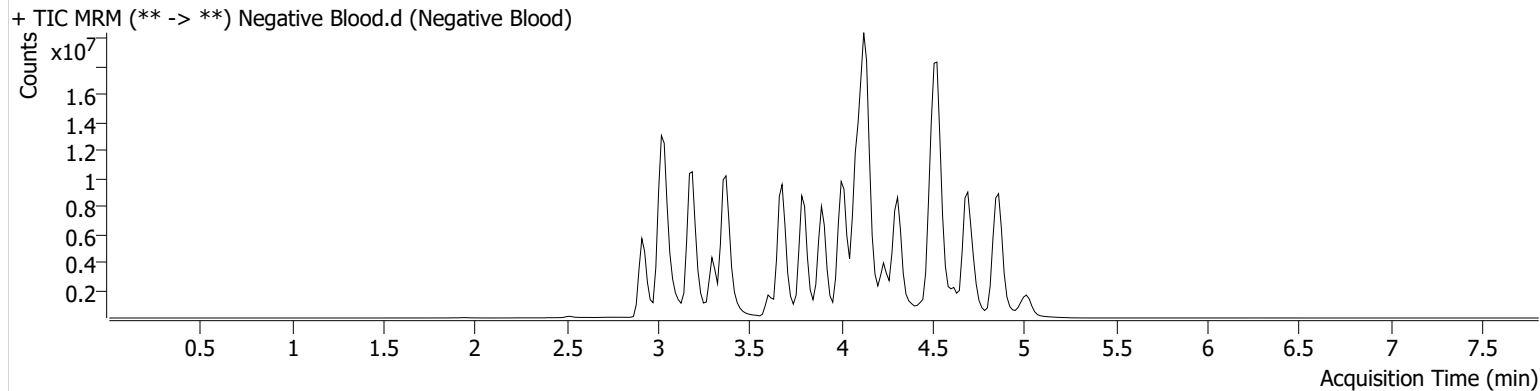


# AM #25 Multi-Drug Screen Results

**Batch results** G:\TOX\Pocatello\Falco\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 8/16/2022 8:40:46 AM

|                         |                      |                  |                  |
|-------------------------|----------------------|------------------|------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Negative Blood.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | Negative Blood   |
| <b>Acq. Method</b>      | AM 25 MDS.m          | <b>Operator</b>  | Tamara Salazar   |
| <b>Sample Position</b>  | P2-C1                | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 5                    |                  |                  |
| <b>Acq. Date-Time</b>   | 8/15/2022 9:41:27 PM |                  |                  |
| <b>Sample Info.</b>     |                      |                  |                  |

## Sample Chromatogram





# AM #25 Multi-Drug Screen Results

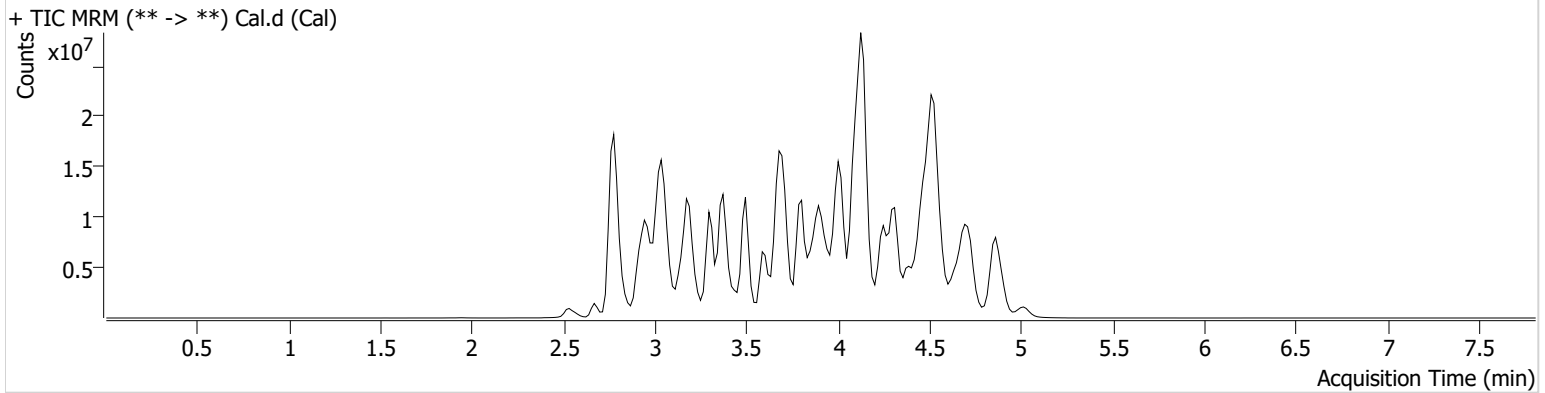
TS



**Batch results** G:\TOX\Pocatello\Falco\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 8/16/2022 8:40:46 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal.d          |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal            |
| <b>Acq. Method</b>      | AM 25 MDS.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P2-B1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 5                    |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 9:32:53 PM |                  |                |

**Sample Chromatogram**



| Name                   | RT    | Resp.   | S/N        | S/N        | ISTD Resp. | Calc. Conc. |
|------------------------|-------|---------|------------|------------|------------|-------------|
| 10-OH-Carbamazepine    | 3.793 | 3936952 | 156.59     | 520.65     | 24192840   | 10.0000     |
| 6-MAM                  | 3.094 | 66212   | 31839.22   | 15545.11   | 1747284    | 10.0000     |
| 7-aminoclonazepam      | 3.621 | 1021187 | 203.65     | 261.00     | 4298460    | 10.0000     |
| 7-aminoflunitrazepam   | 3.820 | 1999473 | 365.77     | 2237.10    | 4298460    | 10.0000     |
| 9-Hydroxyrisperidone   | 4.028 | 7741675 | 2073293.09 | 122083.88  | 32656667   | 10.0000     |
| Acetyl Fentanyl        | 4.095 | 384420  | 301.53     | 110027.43  | 31847549   | 10.0000     |
| Acetyl Norfentanyl     | 2.965 | 450696  | 5099.06    | 400.46     | 31847549   | 10.0000     |
| a-hydroxyalprazolam    | 4.556 | 166740  | 53.52      | 1021.80    | 4298460    | 10.0000     |
| alpha-hydroxymidazolam | 4.631 | 1872317 | 621.17     | 409.47     | 4298460    | 10.0000     |
| Alpha-PHP              | 3.963 | 4021361 | 12102.57   | 4270.38    | 31847549   | 10.0000     |
| alpha-PVP              | 3.687 | 5562467 | 1555.53    | 561.82     | 15443941   | 10.0000     |
| Alprazolam             | 4.651 | 2132092 | 549.77     | 265.44     | 12826029   | 10.0000     |
| Amitriptyline          | 4.532 | 1313133 | 165.44     | 409.14     | 5755429    | 10.0000     |
| Amphetamine            | 2.954 | 5210423 | 332.06     | 3656.74    | 15443941   | 10.0000     |
| Benzoyllecgonine       | 3.421 | 217632  | 173771.03  | 59.38      | 417044     | 10.0000     |
| Brompheniramine        | 4.111 | 114833  | 168.74     | 1424.78    | 47446540   | 10.0000     |
| Buprenorphine          | 5.040 | 751652  | 207867.09  | 27145.15   | 3290561    | 10.0000     |
| Bupropion              | 3.933 | 5570304 | 1464.50    | 4264.38    | 21859941   | 10.0000     |
| Carbamazepine          | 4.257 | 8936996 | 1196.44    | 1200.11    | 340538     | 10.0000     |
| Carisoprodol           | 4.256 | 1192118 | 6467657.01 | 84.35      | 7121479    | 10.0000     |
| Chlordiazepoxide       | 4.760 | 491498  | 244.92     | 872.13     | 12826029   | 10.0000     |
| Chlorpheniramine       | 4.022 | 7330063 | 56412.09   | 16.89      | 47446540   | 10.0000     |
| Chlorpromazine         | 4.726 | 1603800 | 3024.16    | 1266620.53 | 7101708    | 10.0000     |
| Citalopram             | 4.125 | 3261113 | 281.27     | 587657.23  | 47446540   | 10.0000     |
| Clomipramine           | 4.727 | 2279355 | 15207.70   | 5783.88    | 47446540   | 10.0000     |
| Clonazepam             | 4.465 | 416376  | 1163.81    | 3195.83    | 12826029   | 10.0000     |
| Clonazepam             | 4.400 | 1042839 | 652367.95  | 199116.67  | 12826029   | 10.0000     |
| Clozapine              | 4.540 | 4034654 | 508.78     | 14844.86   | 15607136   | 10.0000     |
| Cocaeethylene          | 3.879 | 5095688 | 3304485.78 | 1376.71    | 29099611   | 10.0000     |
| Cocaine                | 3.681 | 5105209 | 45652.85   | 363.50     | 29099611   | 10.0000     |
| Codeine                | 3.052 | 394463  | 1578684.51 | 143.64     | 9967814    | 10.0000     |
| Cyclobenzaprine        | 4.440 | 2610941 | 2943.13    | 153.57     | 5755429    | 10.0000     |
| Desipramine            | 4.425 | 4707926 | 2272.67    | 467.50     | 5755429    | 10.0000     |
| Dextromethorphan       | 4.147 | 2080918 | 14355.48   | 3140.24    | 11996462   | 10.0000     |

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# AM #25 Multi-Drug Screen Results

| Name                   | RT    | Resp.    | S/N        | S/N         | ISTD Resp. | Calc. Conc. |
|------------------------|-------|----------|------------|-------------|------------|-------------|
| Dextrophan             | 3.439 | 2820086  | 3250.14    | 10684.38    | 11996462   | 10.0000     |
| Diazepam               | 4.884 | 762868   | 952.47     | 1811.94     | 12826029   | 10.0000     |
| Dihydrocodeine         | 2.898 | 1067531  | 7206.15    | 466.32      | 9967814    | 10.0000     |
| Diphenhydramine        | 4.102 | 10407269 | 907.56     | 2665.71     | 47446540   | 10.0000     |
| Doxepin                | 4.238 | 2411957  | 574.58     | 120.78      | 24554086   | 10.0000     |
| Doxylamine             | 3.714 | 10894501 | 5837222.97 | 10144406.79 | 11996462   | 10.0000     |
| Duloxetine             | 4.391 | 50645    | 9867.29    | 13799.16    | 870252     | 10.0000     |
| EDDP                   | 4.146 | 2014415  | 1140.87    | 169.09      | 4777264    | 10.0000     |
| Estazolam              | 4.576 | 4159752  | 404.61     | 1382.91     | 12826029   | 10.0000     |
| Etizolam               | 4.677 | 286655   | 138305.99  | 523241.74   | 12826029   | 10.0000     |
| Fentanyl               | 4.309 | 338921   | 212.56     | 84852.13    | 25143186   | 10.0000     |
| Flualprazolam          | 4.525 | 542749   | 312055.43  | 345743.74   | 12826029   | 10.0000     |
| Flunitrazepam          | 4.589 | 1113267  | 560.95     | 271.10      | 12826029   | 10.0000     |
| Fluoxetine             | 4.374 | 2154941  | 2613.25    | 119.06      | 2885995    | 10.0000     |
| Flurazepam             | 4.383 | 3192882  | 22479.91   | 102110.47   | 12826029   | 10.0000     |
| Hydrocodone            | 3.220 | 1694528  | 853.48     | 265.44      | 9967814    | 10.0000     |
| Hydromorphone          | 2.733 | 951571   | 10403.88   | 12515.94    | 217690     | 10.0000     |
| Hydroxyzine            | 4.660 | 2707976  | 3416.75    | 1236.61     | 47446540   | 10.0000     |
| Imipramine             | 4.469 | 5694356  | 1307.18    | 790.24      | 5755429    | 10.0000     |
| Ketamine               | 3.841 | 4380061  | 5955.26    | 194.59      | 11920100   | 10.0000     |
| Lamotrigine            | 3.669 | 325691   | 32108.32   | 41904.76    | 47446540   | 10.0000     |
| Levamisole             | 3.165 | 2745332  | 1347.83    | 374.95      | 29099611   | 10.0000     |
| Levetiracetam          | 2.677 | 1360567  | 467.01     | 1130.07     | 47446540   | 10.0000     |
| Lorazepam              | 4.464 | 224930   | 145.92     | 74.99       | 12826029   | 10.0000     |
| Maprotiline            | 4.532 | 772050   | 72.04      | 89.94       | 5755429    | 10.0000     |
| MDA                    | 3.074 | 2668963  | 1525.62    | 296.26      | 32201387   | 10.0000     |
| MDEA                   | 3.304 | 4696986  | 17142.46   | 3241.29     | 32201387   | 10.0000     |
| MDMA                   | 3.150 | 5918268  | 917.50     | 1492.86     | 32201387   | 10.0000     |
| Meperidine             | 3.701 | 2803105  | 202.44     | 162.43      | 11996462   | 10.0000     |
| Meprobamate            | 3.688 | 819848   | 801.76     | 316.09      | 7121479    | 10.0000     |
| Methadone              | 4.466 | 6330789  | 8250.68    | 407.33      | 4777264    | 10.0000     |
| Methamphetamine        | 3.060 | 7052333  | 2167.94    | 397.12      | 32201387   | 10.0000     |
| Methocarbamol          | 3.609 | 567193   | 72140.48   | 652.41      | 4777264    | 10.0000     |
| Methylphenidate        | 3.594 | 12649834 | 785.63     | 702.36      | 22218603   | 10.0000     |
| Metoprolol             | 3.499 | 807453   | 32370.85   | 709889.84   | 11996462   | 10.0000     |
| Midazolam              | 4.817 | 672038   | 5568.82    | 215319.38   | 12826029   | 10.0000     |
| Mirtazapine            | 4.318 | 4033630  | 95554.17   | 2721.57     | 11996462   | 10.0000     |
| Mitragynine            | 4.383 | 649529   | 186451.10  | 435219.47   | 11996462   | 10.0000     |
| Morphine               | 2.566 | 231665   | 590.58     | 829.93      | 217690     | 10.0000     |
| Norbuprenorphine       | 3.905 | 100457   | 86191.63   | 45151.27    | 3290561    | 10.0000     |
| Nordiazepam            | 4.732 | 774573   | 309.76     | 228.57      | 12826029   | 10.0000     |
| Norfentanyl            | 3.395 | 6343665  | 156.33     | 77.82       | 31847549   | 10.0000     |
| Norhydrocodone         | 2.992 | 147500   | 40.59      | 13.33       | 217690     | 10.0000     |
| Norketamine            | 3.949 | 839049   | 131.75     | 21041.53    | 11920100   | 10.0000     |
| Normeperidine          | 3.656 | 3097312  | 3024.77    | 4308.27     | 47446540   | 10.0000     |
| Noroxycodone           | 2.944 | 1829135  | 338.57     | 106.06      | 11920100   | 10.0000     |
| Nortriptyline          | 4.471 | 1185455  | 22016.08   | 287.81      | 5755429    | 10.0000     |
| O-desmethyl-tramadol   | 2.979 | 8991713  | 46333.07   | 1681.50     | 47446540   | 10.0000     |
| O-desmethylvenlafaxine | 3.314 | 1790075  | 389.19     | ∞           | 10055480   | 10.0000     |
| Olanzapine             | 4.003 | 1136169  | 864612.41  | 3364.22     | 340538     | 10.0000     |
| Oxazepam               | 4.546 | 989425   | 178.13     | 115.84      | 4014814    | 10.0000     |
| Oxycodone              | 3.065 | 2522644  | 778.95     | 43.57       | 11920100   | 10.0000     |
| Oxymorphone            | 2.533 | 2308911  | ∞          | 166.72      | 217690     | 10.0000     |
| Paroxetine             | 4.401 | 274845   | 2051.28    | 152789.54   | 2885995    | 10.0000     |
| Phenazepam             | 4.676 | 922708   | 4881.08    | 246295.29   | 12826029   | 10.0000     |
| Phencyclidine          | 3.994 | 6648831  | 8718.95    | 2107.96     | 11996462   | 10.0000     |
| Phentermine            | 3.214 | 1747045  | 392.80     | 8.27        | 22218603   | 10.0000     |
| Phenytoin              | 4.164 | 569299   | 444.48     | 588.66      | 340538     | 10.0000     |
| Primidone              | 3.503 | 1905229  | 190097.16  | 258.03      | 340538     | 10.0000     |
| Promethazine           | 4.469 | 6717655  | 22195.18   | 593.85      | 47446540   | 10.0000     |

Cal

TS



# AM #25 Multi-Drug Screen Results

| Name            | RT    | Resp.    | S/N        | S/N        | ISTD Resp. | Calc. Conc. |
|-----------------|-------|----------|------------|------------|------------|-------------|
| Pseudoephedrine | 2.784 | 52254769 | 1132.40    | 5675.05    | 32201387   | 10.0000     |
| Quetiapine      | 4.706 | 3800003  | 14930.57   | 1708955.45 | 40588790   | 10.0000     |
| Risperidone     | 4.244 | 6718139  | 29446.29   | 25248.22   | 32656667   | 10.0000     |
| Sertraline      | 4.621 | 569482   | 121173.23  | 272.05     | 2885995    | 10.0000     |
| Sufentanil      | 4.721 | 264131   | 130510.63  | 353.48     | 31847549   | 10.0000     |
| Tapentadol      | 3.503 | 5646960  | 526.52     | 308.06     | 11920100   | 10.0000     |
| Temazepam       | 4.698 | 2171875  | 4185.61    | 163.19     | 12826029   | 10.0000     |
| Topiramate      | 3.862 | 54815    | 65707.97   | 23.64      | 291690     | 10.0000     |
| Tramadol        | 3.499 | 19207413 | ∞          | 84.66      | 47446540   | 10.0000     |
| Trazodone       | 4.889 | 5185987  | 616.66     | 429.40     | 24554086   | 10.0000     |
| Venlafaxine     | 3.868 | 7623566  | 2482.88    | 171.86     | 2885995    | 10.0000     |
| Zaleplon        | 4.375 | 1567706  | 21403.02   | 356.31     | 40588790   | 10.0000     |
| Zolpidem        | 4.513 | 8712372  | 3194928.44 | 41772.27   | 40588790   | 10.0000     |
| Zopiclone       | 4.444 | 379889   | 167192.27  | 109108.95  | 1757044    | 10.0000     |

TS

# AM# 26: Screening of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 08/15/2022

Plate lot#: 220309

Mobile phase A: 10mM Amm Form in LCMS Water

Blank Blood Lot: Lampire 22B52015-1

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Retest Date: 09/09/2022

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot: POC21022

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

## 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. TS  
08/23/2022
- 2. ~~Urine hydrolysis: 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, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of 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,** and **500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate. Amount transferred: 750 µL
- 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)*
- 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.
- 17. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

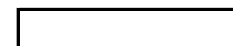
- 1. Create batch and process data.
- 2. Make any necessary integration changes, R<sup>2</sup> values ≥0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Run stopped on case sample P2022-2218 due to high pressure. The pressure was resolved, and the run continued without further issue.

TS

|   | 1           | 2            | 3            | 4            | 5            | 6           |
|---|-------------|--------------|--------------|--------------|--------------|-------------|
| A | IS + Cal. 1 | IS + QC_1    | P2022-2096-1 | P2022-2218-1 | P2022-2383-1 | IS + QC_1   |
| B | IS + Cal. 2 | Neg Blood    | P2022-2097-1 | P2022-2238-1 | P2022-2385-1 | IS + Cal. 7 |
| C | IS + Cal. 3 | M2022-2996-1 | P2022-2115-1 | P2022-2248-1 | P2022-2388-2 | IS + Cal. 6 |
| D | IS + Cal. 4 | M2022-3075-1 | P2022-2123-1 | P2022-2251-1 | P2022-2407-1 | IS + Cal. 5 |
| E | IS + Cal. 5 | P2022-2008-1 | P2022-2166-1 | P2022-2336-1 | P2022-2409-1 | IS + Cal. 4 |
| F | IS + Cal. 6 | P2022-2025-1 | P2022-2171-1 | P2022-2351-1 | P2022-2426-1 | IS + Cal. 3 |
| G | IS + Cal. 7 | P2022-2094-1 | P2022-2203-1 | P2022-2354-1 | P2022-2236-1 | IS + Cal. 2 |
| H | IS + QC_1   | P2022-2095-1 | P2022-2207-1 | P2022-2357-1 | IS + QC_1    | IS + Cal. 1 |

All wells to contain 100 µl of residual DMSO



TS

|   | 1           | 2            | 3            | 4            | 5             | 6            |
|---|-------------|--------------|--------------|--------------|---------------|--------------|
| A | IS + Cal. 1 | IS + QC_1    | P2022-2096-1 | P2022-2218-1 | P2022-2383-1* | P2022-2236-1 |
| B | IS + Cal. 2 | Neg Blood    | P2022-2097-1 | P2022-2238-1 | P2022-2385-1  |              |
| C | IS + Cal. 3 | M2022-2996-1 | P2022-2115-1 | P2022-2248-1 | P2022-2388-2  |              |
| D | IS + Cal. 4 | M2022-3075-1 | P2022-2123-1 | P2022-2251-1 | P2022-2407-1  |              |
| E | IS + Cal. 5 | P2022-2008-1 | P2022-2166-1 | P2022-2336-1 | P2022-2409-1  |              |
| F | IS + Cal. 6 | P2022-2025-1 | P2022-2171-1 | P2022-2351-1 | P2022-2426-1  |              |
| G | IS + Cal. 7 | P2022-2094-1 | P2022-2203-1 | P2022-2354-1 | P2022-2236-1* |              |
| H | IS + QC_1   | P2022-2095-1 | P2022-2207-1 | P2022-2357-1 | P2022-2383-1  |              |

\*Moved during step 7  
of extraction due to  
blood clot

TS

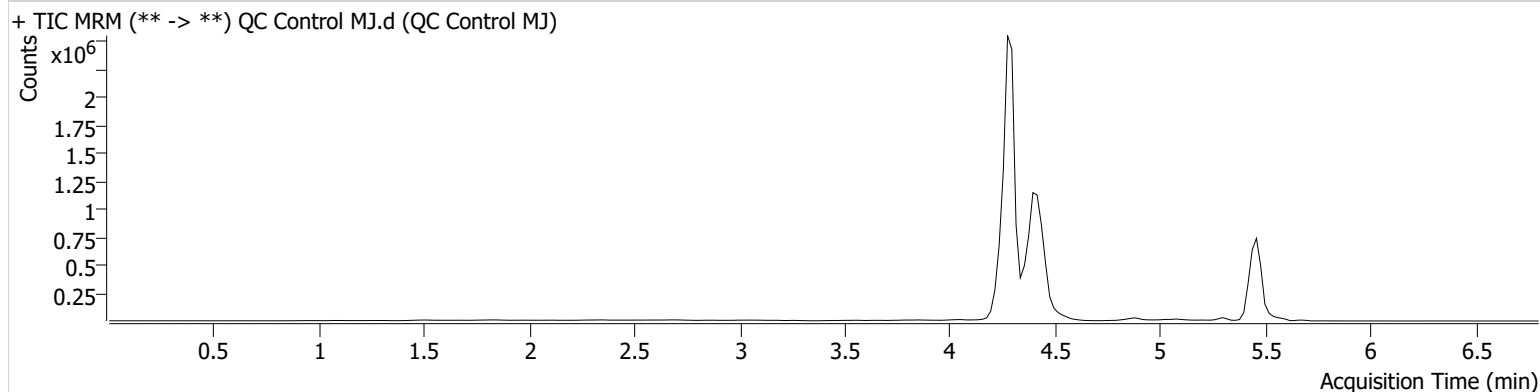


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                 |
|-------------------------|----------------------|------------------|-----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | QC Control MJ.d |
| <b>Type</b>             | QC                   | <b>Sample</b>    | QC Control MJ   |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar  |
| <b>Sample Position</b>  | P1-H1                | <b>Comment</b>   |                 |
| <b>Injection Volume</b> | 10                   |                  |                 |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:57:48 PM |                  |                 |

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 5.449 | 13584  | 416691     | 4.5948 ng/ml  |
| THC-COOH | 4.436 | 771001 | 3888008    | 14.4131 ng/ml |
| THC-OH   | 4.302 | 77022  | 9101870    | 4.6929 ng/ml  |

TS

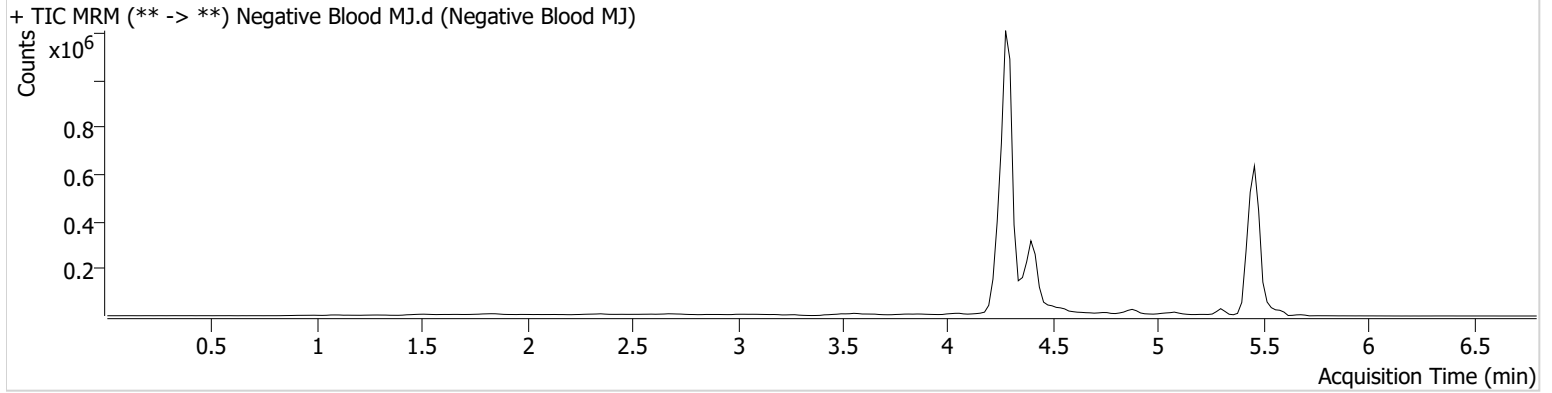


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                     |
|-------------------------|----------------------|------------------|---------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Negative Blood MJ.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | Negative Blood MJ   |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar      |
| <b>Sample Position</b>  | P1-B2                | <b>Comment</b>   |                     |
| <b>Injection Volume</b> | 10                   |                  |                     |
| <b>Acq. Date-Time</b>   | 8/15/2022 3:12:57 PM |                  |                     |
| <b>Sample Info.</b>     |                      |                  |                     |

## Sample Chromatogram





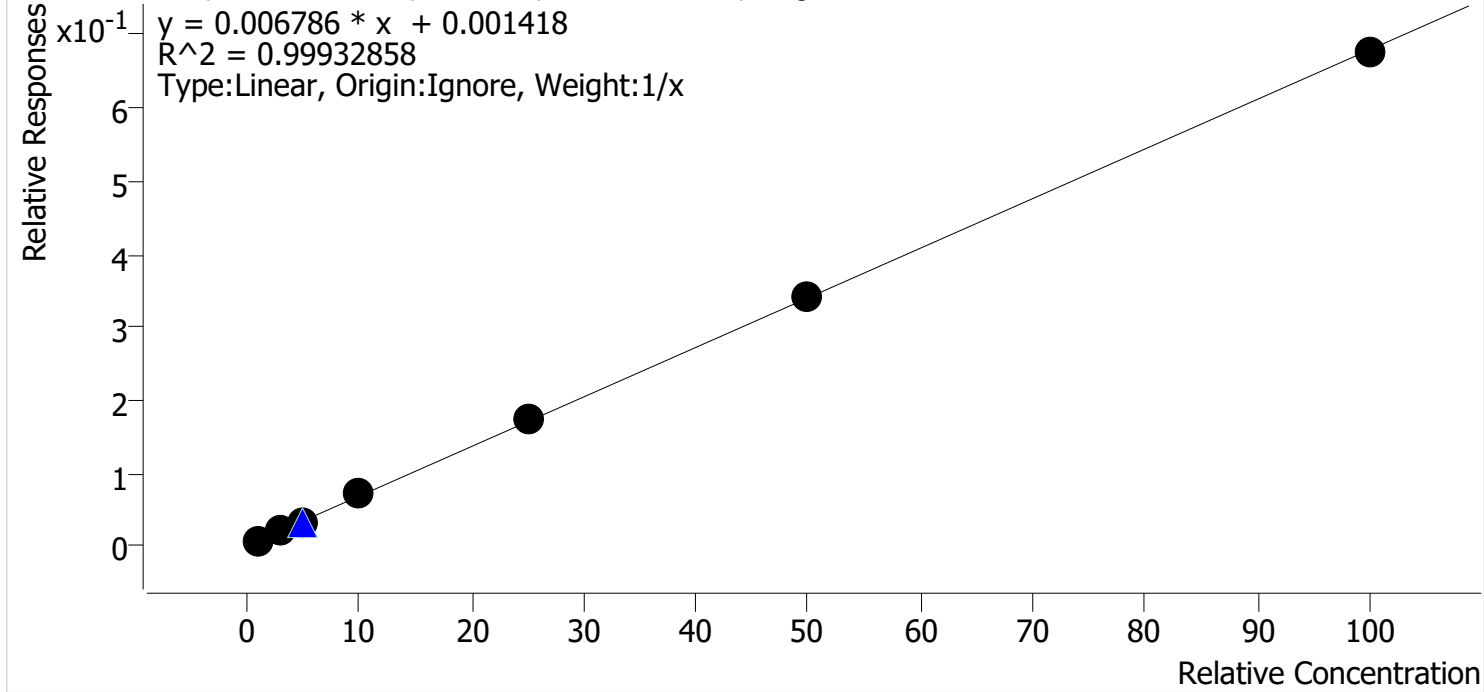
TS



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/22/2022 3:21 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 1 QCs



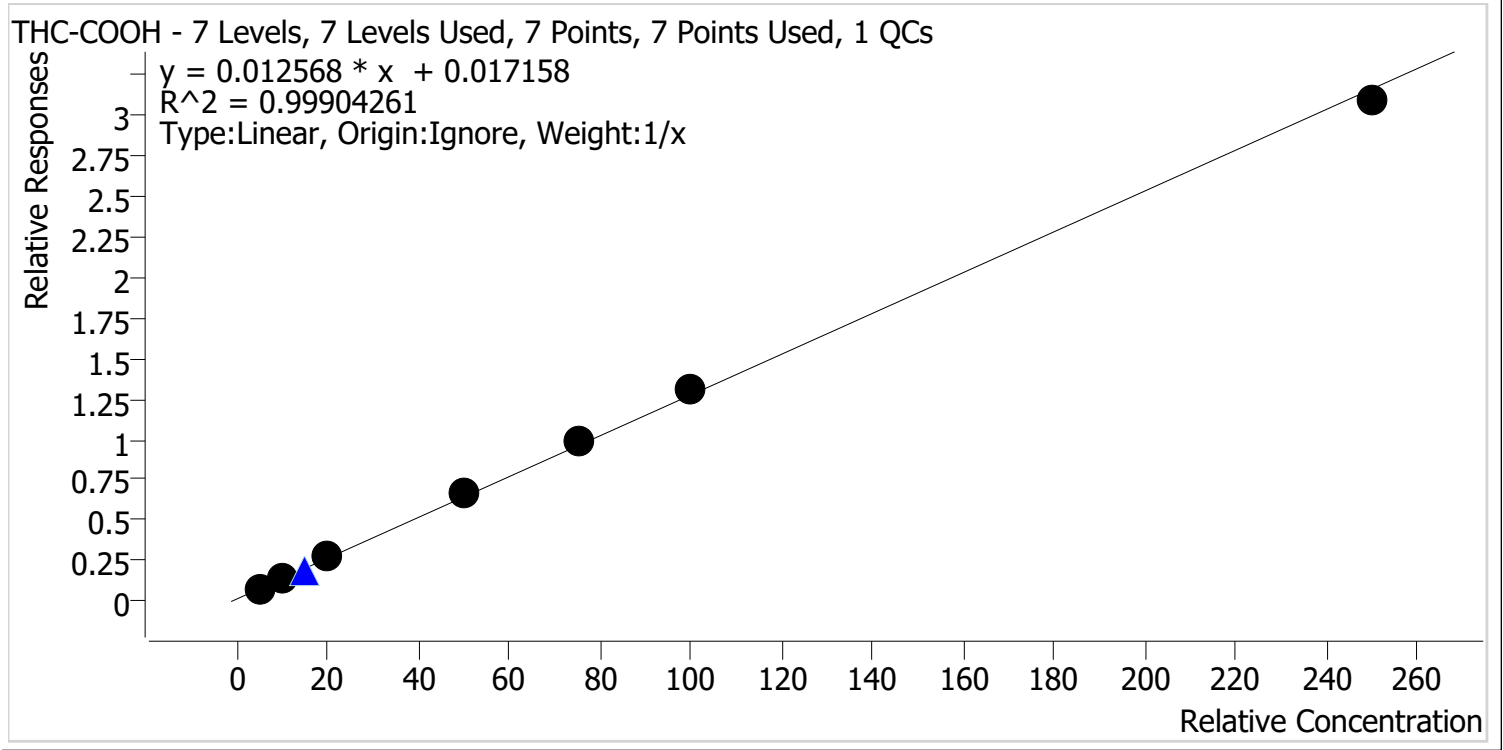
| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1     | ✓       | 1.0                    | 1.0                 | 102.0    |
| Cal 2 MJ | 2     | ✓       | 3.0                    | 2.9                 | 96.9     |
| Cal 3 MJ | 3     | ✓       | 5.0                    | 4.6                 | 92.2     |
| Cal 4 MJ | 4     | ✓       | 10.0                   | 10.8                | 108.1    |
| Cal 5 MJ | 5     | ✓       | 25.0                   | 25.4                | 101.6    |
| Cal 6 MJ | 6     | ✓       | 50.0                   | 49.9                | 99.7     |
| Cal 7 MJ | 7     | ✓       | 100.0                  | 99.4                | 99.4     |

TS



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/22/2022 3:21 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-D9



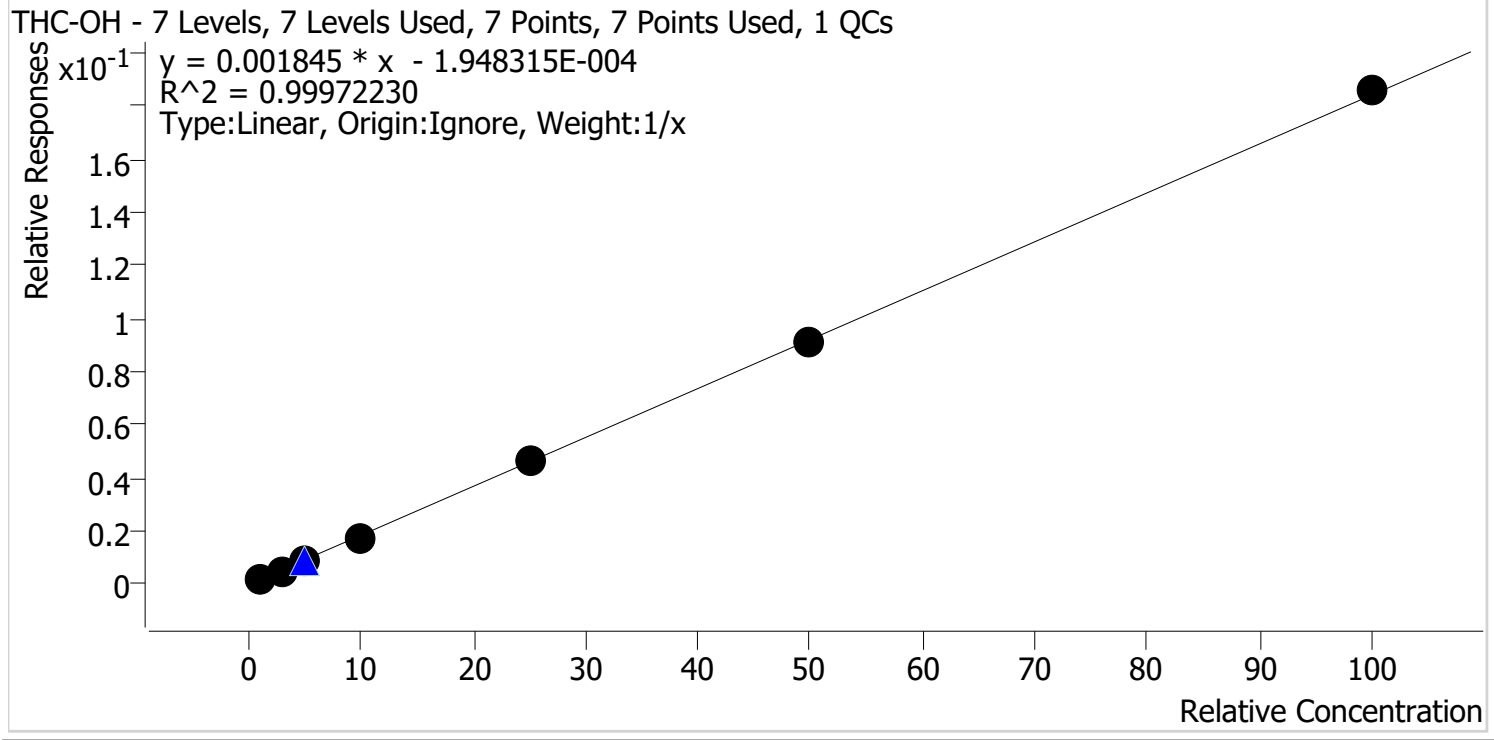
| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1     | ✓       | 5.0                    | 4.9                 | 98.8     |
| Cal 2 MJ | 2     | ✓       | 10.0                   | 9.3                 | 92.6     |
| Cal 3 MJ | 3     | ✓       | 20.0                   | 20.5                | 102.5    |
| Cal 4 MJ | 4     | ✓       | 50.0                   | 51.5                | 103.0    |
| Cal 5 MJ | 5     | ✓       | 75.0                   | 77.5                | 103.3    |
| Cal 6 MJ | 6     | ✓       | 100.0                  | 102.1               | 102.1    |
| Cal 7 MJ | 7     | ✓       | 250.0                  | 244.2               | 97.7     |

TS



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/22/2022 3:21 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3



| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| Cal 1 MJ | 1     | ✓       | 1.0                    | 1.1                 | 111.1    |
| Cal 2 MJ | 2     | ✓       | 3.0                    | 2.9                 | 95.7     |
| Cal 3 MJ | 3     | ✓       | 5.0                    | 4.9                 | 97.1     |
| Cal 4 MJ | 4     | ✓       | 10.0                   | 9.6                 | 96.1     |
| Cal 5 MJ | 5     | ✓       | 25.0                   | 24.9                | 99.6     |
| Cal 6 MJ | 6     | ✓       | 50.0                   | 49.8                | 99.6     |
| Cal 7 MJ | 7     | ✓       | 100.0                  | 100.9               | 100.9    |

TS

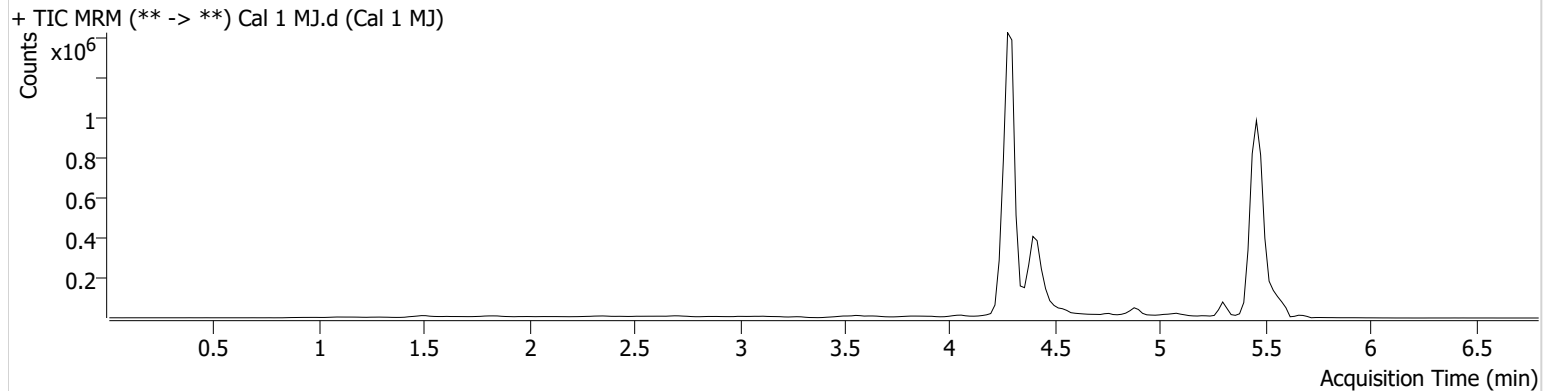


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 1 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 1 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-A1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:04:40 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.  |     |
|----------|-------|--------|------------|--------------|-----|
| THC      | 5.489 | 5645   | 676702     | 1.0204 ng/ml | Low |
| THC-COOH | 4.436 | 106695 | 1346567    | 4.9393 ng/ml | Low |
| THC-OH   | 4.302 | 9889   | 5333364    | 1.1107 ng/ml | Low |

TS

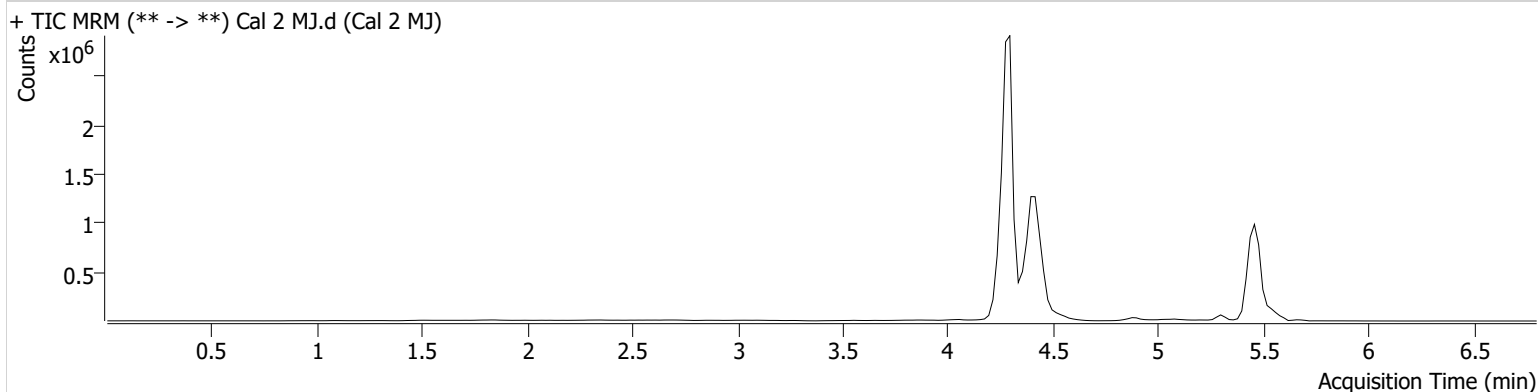


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 2 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 2 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-B1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:12:24 PM |                  |                |

**Sample Chromatogram**



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.  |     |
|----------|-------|--------|------------|--------------|-----|
| THC      | 5.489 | 13883  | 656385     | 2.9077 ng/ml | Low |
| THC-COOH | 4.436 | 612422 | 4584626    | 9.2635 ng/ml |     |
| THC-OH   | 4.302 | 54264  | 10638946   | 2.8705 ng/ml | Low |

TS

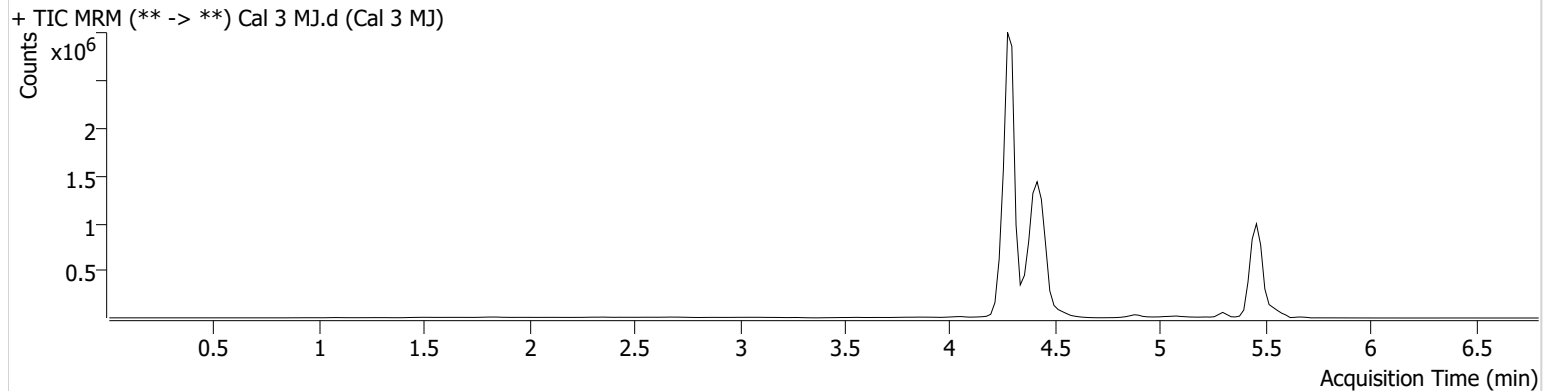


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 3 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 3 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-C1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:19:58 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.   | ISTD Resp. | Final Conc.   |
|----------|-------|---------|------------|---------------|
| THC      | 5.489 | 20971   | 641515     | 4.6083 ng/ml  |
| THC-COOH | 4.436 | 1164740 | 4239110    | 20.4966 ng/ml |
| THC-OH   | 4.302 | 90898   | 10380353   | 4.8525 ng/ml  |

TS

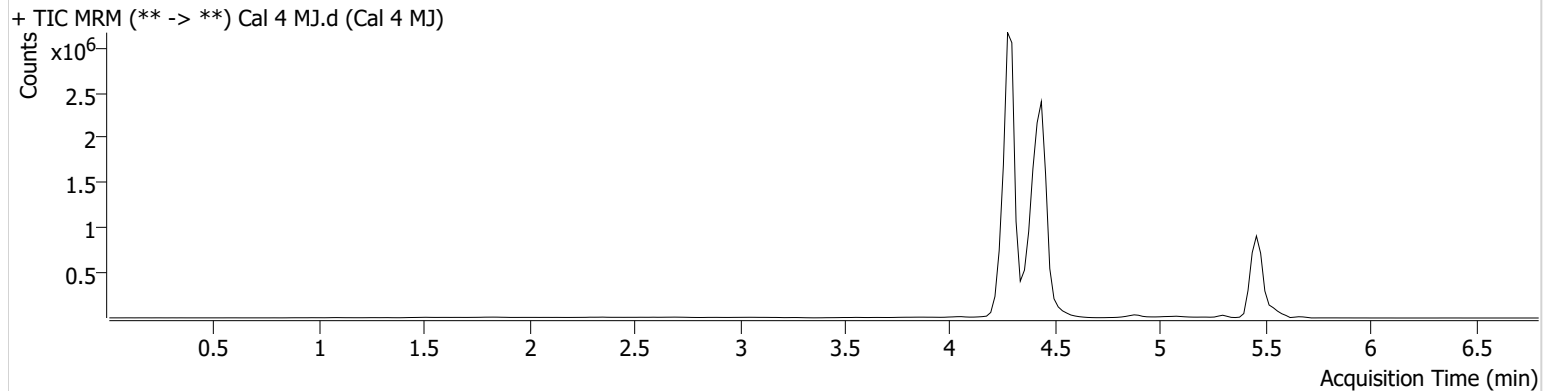


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 4 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 4 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-D1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:27:32 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.   | ISTD Resp. | Final Conc.   |
|----------|-------|---------|------------|---------------|
| THC      | 5.489 | 37976   | 507720     | 10.8130 ng/ml |
| THC-COOH | 4.436 | 2795693 | 4206838    | 51.5115 ng/ml |
| THC-OH   | 4.302 | 183189  | 10443748   | 9.6141 ng/ml  |

TS

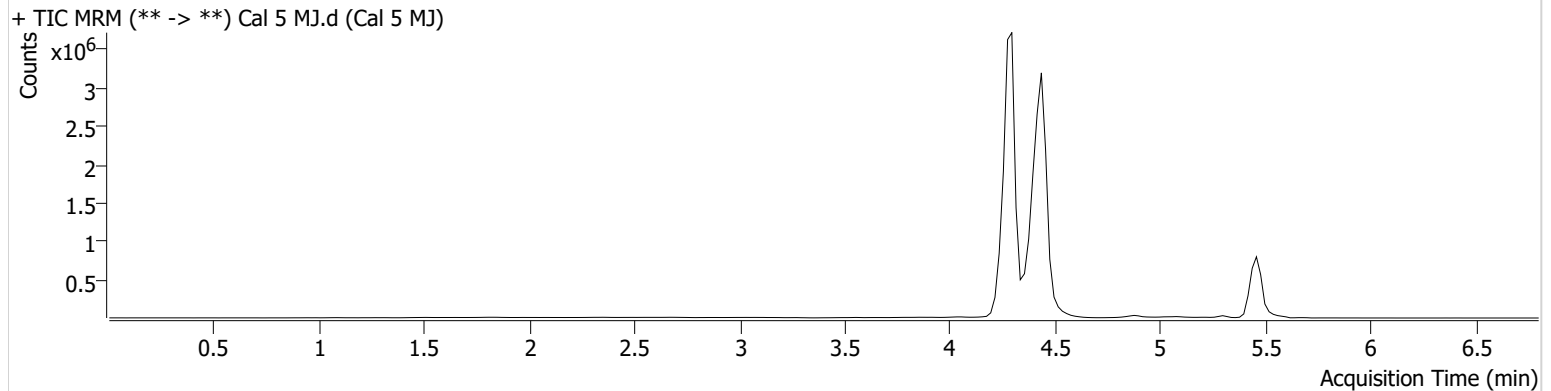


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 5 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 5 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-E1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:35:06 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.   | ISTD Resp. | Final Conc.   |
|----------|-------|---------|------------|---------------|
| THC      | 5.489 | 75858   | 436320     | 25.4106 ng/ml |
| THC-COOH | 4.436 | 3962466 | 3998278    | 77.4888 ng/ml |
| THC-OH   | 4.302 | 468250  | 10234425   | 24.9075 ng/ml |



TS

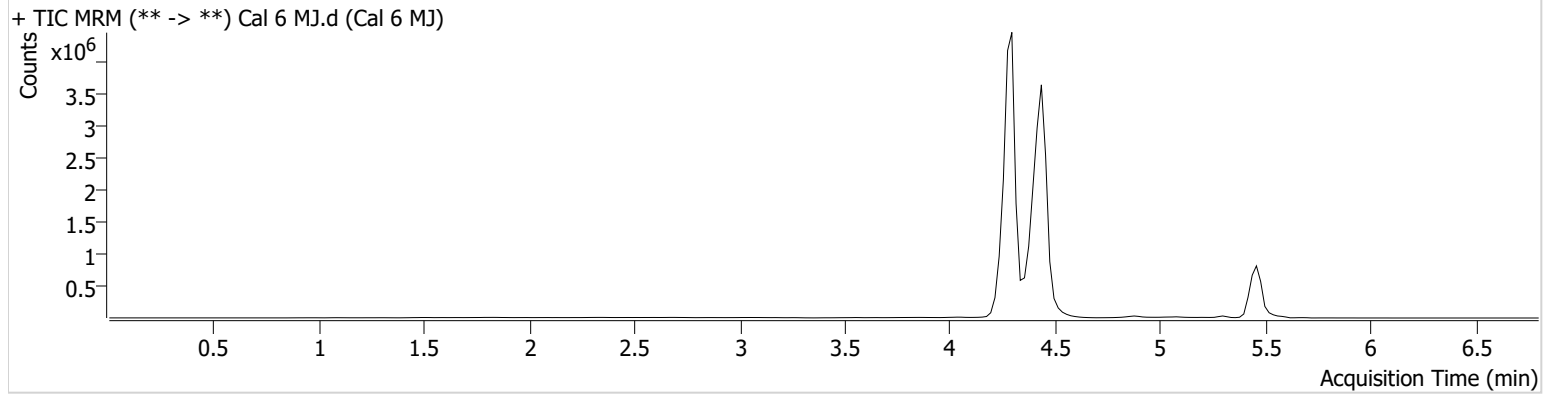


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 6 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 6 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-F1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:42:40 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.   | ISTD Resp. | Final Conc.    |
|----------|-------|---------|------------|----------------|
| THC      | 5.469 | 139546  | 410715     | 49.8585 ng/ml  |
| THC-COOH | 4.436 | 4775007 | 3673555    | 102.0581 ng/ml |
| THC-OH   | 4.302 | 853176  | 9310853    | 49.7786 ng/ml  |

TS

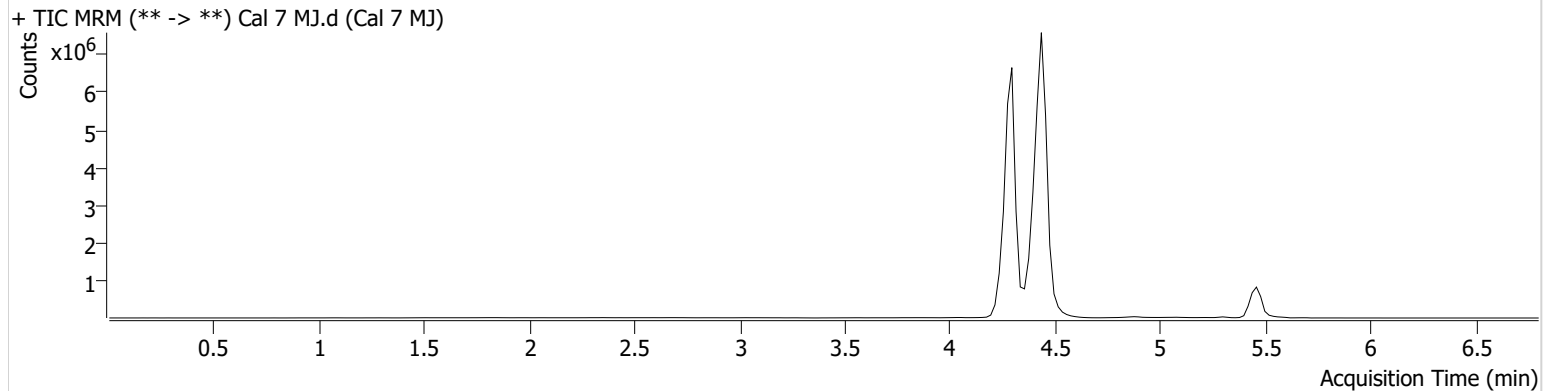


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2022\AM 25-26\081522 AM 25 26 TS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/22/2022 3:21:27 PM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | Cal 7 MJ.d     |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | Cal 7 MJ       |
| <b>Acq. Method</b>      | AM 26 THC.m          | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P1-G1                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 10                   |                  |                |
| <b>Acq. Date-Time</b>   | 8/15/2022 2:50:14 PM |                  |                |

### Sample Chromatogram



| Name     | RT    | Resp.    | ISTD Resp. | Final Conc.    |
|----------|-------|----------|------------|----------------|
| THC      | 5.469 | 291884   | 431888     | 99.3815 ng/ml  |
| THC-COOH | 4.436 | 10471381 | 3392291    | 244.2423 ng/ml |
| THC-OH   | 4.302 | 1668443  | 8976212    | 100.8659 ng/ml |