

**REVIEWED**

By Tamara Salazar at 2:28 pm, Sep 18, 2020

9/8/2020





CS

**Worklist: 4500**

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                               |   |
|-----------------|-------------|------------------|--|---|
| M2020-2793      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3077      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3078      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3079      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3170      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3177      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3179      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3180      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3384      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |    |
| M2020-3443      | 2           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |   |
| P2020-2416      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2533      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2537      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2594      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2595      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2597      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2605      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2641      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2645      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2654      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2658      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |

**Worklist: 4500**

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| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                               |   |
|-----------------|-------------|------------------|--|---|
| P2020-2659      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2661      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2670      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |
| P2020-2672      | 1           | BCK              | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |  |

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

Extraction Date: 9/08/2020

Plate lot#: 200511

**Mobile phase A:** 10mM Amm Form

Instant Buffer I

**Blank Blood Lot:** 445283-4

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Expiration: 11/11/2020

**Mobile phase B:** 0.1% Formic Acid in MeOH

Ethyl Acetate LC Methanol

**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 and urine** (if applicable) into wells of analytical (standards) plate.  
**Pipette ID: 42**
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 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: 300µl
- 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 **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. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. *SPE Dry ID: 067103*
- 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

### 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:

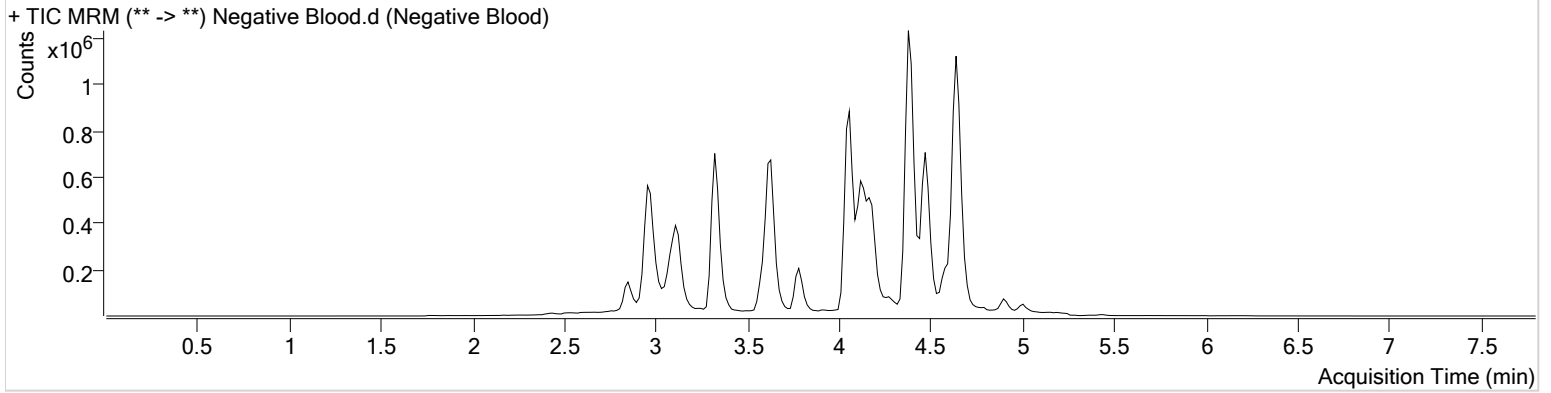
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:43 PM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | Negative Blood.d |
| <b>Type</b>             | Sample              | <b>Sample</b>    | Negative Blood   |
| <b>Acq. Method</b>      | AM 25 061720.m      | <b>Operator</b>  | Celena Shrum     |
| <b>Sample Position</b>  | P1-A9               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 5                   |                  |                  |
| <b>Acq. Date-Time</b>   | 9/8/2020 7:26:28 PM |                  |                  |
| <b>Sample Info.</b>     |                     |                  |                  |

## Sample Chromatogram





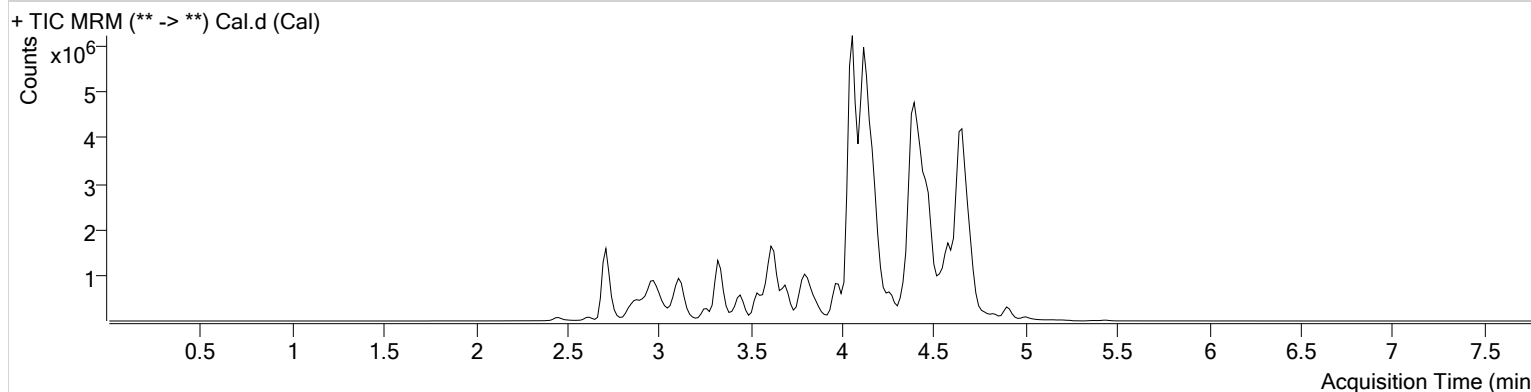
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:43 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | Cal.d        |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | Cal          |
| <b>Acq. Method</b>      | AM 25 061720.m      | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P1-B1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 5                   |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 7:17:54 PM |                  |              |

## Sample Chromatogram



| Name                   | RT    | Resp.   | S/N       | S/N       | ISTD Resp. | Calc. Conc. |
|------------------------|-------|---------|-----------|-----------|------------|-------------|
| 6-MAM                  | 2.983 | 3086    | 1931.44   | 519.76    | 121490     | 10.0000     |
| 7-aminoclonazepam      | 3.600 | 88783   | 6295.48   | 5180.89   | 406290     | 10.0000     |
| 7-aminoflunitrazepam   | 3.799 | 124522  | 285.80    | 47570.19  | 406290     | 10.0000     |
| Acetyl Fentanyl        | 3.949 | 113838  | 28.36     | 67574.34  | 3233871    | 10.0000     |
| Acetyl Norfentanyl     | 2.916 | 16926   | 35.77     | 40.49     | 3233871    | 10.0000     |
| a-hydroxyalprazolam    | 4.500 | 26039   | 21.41     | 44.98     | 406290     | 10.0000     |
| alpha-hydroxymidazolam | 4.591 | 219271  | 100.56    | 1649.47   | 406290     | 10.0000     |
| Alpha-PHP              | 3.865 | 452812  | 1737.68   | 94.32     | 3233871    | 10.0000     |
| alpha-PVP              | 3.590 | 408104  | 155.85    | 149.75    | 692887     | 10.0000     |
| Alprazolam             | 4.626 | 257571  | 408.55    | 508.84    | 2201256    | 10.0000     |
| Amitriptyline          | 4.476 | 1142819 | 75.88     | 368.60    | 3202141    | 10.0000     |
| Amphetamine            | 2.890 | 322408  | 467.80    | 150.97    | 692887     | 10.0000     |
| Benzoylcegonine        | 3.385 | 22691   | 13223.55  | ∞         | 11838      | 10.0000     |
| Brompheniramine        | 4.072 | 30488   | 35.52     | 198.09    | 16281255   | 10.0000     |
| Buprenorphine          | 4.695 | 216255  | ∞         | 126.30    | 910174     | 10.0000     |
| Bupropion              | 3.804 | 523262  | 483.22    | 80.57     | 1786454    | 10.0000     |
| Carbamazepine          | 4.219 | 776333  | 1689.11   | ∞         | 112123     | 10.0000     |
| Carisoprodol           | 4.202 | 78617   | 9046.62   | 10.26     | 576149     | 10.0000     |
| Chlordiazepoxide       | 4.704 | 87036   | 31.79     | ∞         | 2201256    | 10.0000     |
| Chlorpheniramine       | 3.969 | 4674    | 183.69    | 4197.07   | 16281255   | 10.0000     |
| Citalopram             | 4.086 | 898199  | 1112.01   | 358.07    | 16281255   | 10.0000     |
| Clomipramine           | 4.671 | 1589342 | 913459.62 | 1067.06   | 16281255   | 10.0000     |
| Clonazepam             | 4.410 | 178413  | 119.02    | 77808.66  | 2201256    | 10.0000     |
| Clonazolam             | 4.360 | 105251  | 74658.17  | 324.48    | 2201256    | 10.0000     |
| Cocaethylene           | 3.842 | 496732  | ∞         | 199.52    | 2711902    | 10.0000     |
| Cocaine                | 3.629 | 473434  | 117.05    | 67.42     | 2711902    | 10.0000     |
| Codeine                | 2.912 | 31678   | 111.11    | 1526.15   | 938077     | 10.0000     |
| Cyclobenzaprine        | 4.385 | 1126838 | 108502.17 | 116.50    | 3202141    | 10.0000     |
| Desipramine            | 4.401 | 1943586 | 348.52    | 1799.87   | 3202141    | 10.0000     |
| Dextromethorphan       | 4.124 | 793051  | 160274.89 | 306275.03 | 4115752    | 10.0000     |
| Dextrorphan            | 3.419 | 309274  | 353.12    | 192.59    | 4115752    | 10.0000     |
| Diazepam               | 4.828 | 156402  | ∞         | 292.34    | 2201256    | 10.0000     |
| Dihydrocodeine         | 2.820 | 75147   | 150.40    | ∞         | 938077     | 10.0000     |
| Diphenhydramine        | 4.064 | 1895368 | 186.79    | 298.98    | 16281255   | 10.0000     |

Cal

# AM #25 Multi-Drug Screen Results



| Name                 | RT    | Resp.   | S/N        | S/N       | ISTD Resp. | Calc. Conc. |
|----------------------|-------|---------|------------|-----------|------------|-------------|
| Doxepin              | 4.184 | 700658  | 93603.93   | 123.94    | 8297816    | 10.0000     |
| Doxylamine           | 3.693 | 1048603 | 52.89      | 51.74     | 4115752    | 10.0000     |
| EDDP                 | 4.123 | 900423  | 642.05     | 205.33    | 481642     | 10.0000     |
| Estazolam            | 4.536 | 587627  | 171.37     | 181.88    | 2201256    | 10.0000     |
| Etizolam             | 4.652 | 27876   | 26325.45   | 159561.29 | 2201256    | 10.0000     |
| Fentanyl             | 4.177 | 108713  | 58.40      | 27510.03  | 6344732    | 10.0000     |
| Flualprazolam        | 4.500 | 69599   | 72.72      | 12.56     | 2201256    | 10.0000     |
| Flunitrazepam        | 4.549 | 282061  | 161.27     | 463.72    | 2201256    | 10.0000     |
| Fluoxetine           | 4.335 | 1158893 | 6870.80    | 7.54      | 2858529    | 10.0000     |
| Flurazepam           | 4.252 | 768966  | 571928.98  | 120562.65 | 2201256    | 10.0000     |
| Hydrocodone          | 3.109 | 139595  | 122.75     | 33.15     | 938077     | 10.0000     |
| Hydromorphone        | 2.609 | 63702   | 230.18     | ∞         | 8544       | 10.0000     |
| Imipramine           | 4.430 | 2152261 | 165515.39  | 244.40    | 3202141    | 10.0000     |
| Ketamine             | 3.604 | 323231  | 255649.29  | 22.09     | 915028     | 10.0000     |
| Lamotrigine          | 3.602 | 34573   | 234.25     | 21.04     | 16281255   | 10.0000     |
| Levamisole           | 3.054 | 220643  | 56.52      | 59.82     | 2711902    | 10.0000     |
| Levetiracetam        | 2.629 | 25532   | 12.77      | 31.21     | 16281255   | 10.0000     |
| Lorazepam            | 4.409 | 60702   | 50291.49   | 137.83    | 2201256    | 10.0000     |
| Maprotiline          | 4.476 | 1028251 | ∞          | ∞         | 3202141    | 10.0000     |
| MDA                  | 3.010 | 211010  | 135.19     | 14.35     | 1454313    | 10.0000     |
| MDEA                 | 3.269 | 513762  | 1766.14    | 78.20     | 1454313    | 10.0000     |
| MDMA                 | 3.116 | 543599  | 448928.31  | 122.24    | 1454313    | 10.0000     |
| Meperidine           | 3.634 | 484197  | 386.28     | 42495.42  | 4115752    | 10.0000     |
| Meprobamate          | 3.637 | 35400   | 27501.34   | 33.69     | 576149     | 10.0000     |
| Methadone            | 4.426 | 1621435 | 733.92     | 391.42    | 481642     | 10.0000     |
| Methamphetamine      | 3.011 | 399389  | ∞          | 34.41     | 1454313    | 10.0000     |
| Methocarbamol        | 3.558 | 34164   | 427.66     | 768.84    | 481642     | 10.0000     |
| Methylphenidate      | 3.543 | 1375316 | ∞          | 898.59    | 1512981    | 10.0000     |
| Metoprolol           | 3.463 | 63847   | 73.52      | 229.52    | 4115752    | 10.0000     |
| Midazolam            | 4.775 | 107741  | 55145.78   | ∞         | 2201256    | 10.0000     |
| Mirtazapine          | 4.079 | 783747  | 1975214.75 | 611.23    | 4115752    | 10.0000     |
| Mitragynine          | 4.267 | 102640  | 58.19      | 173.04    | 4115752    | 10.0000     |
| Morphine             | 2.457 | 13798   | 124.47     | 30.91     | 8544       | 10.0000     |
| Norbuprenorphine     | 3.868 | 22713   | 14188.21   | 17919.35  | 910174     | 10.0000     |
| Nordiazepam          | 4.677 | 172943  | 22780.05   | 125.07    | 2201256    | 10.0000     |
| Norfentanyl          | 3.344 | 642954  | 7864.20    | 162.99    | 3233871    | 10.0000     |
| Norhydrocodone       | 2.959 | 4107    | 1369.21    | 7.77      | 8544       | 10.0000     |
| Norketamine          | 3.698 | 47595   | 23.83      | 238.08    | 915028     | 10.0000     |
| Normeperidine        | 3.621 | 513570  | 204.93     | 305.48    | 16281255   | 10.0000     |
| Noroxycodone         | 2.911 | 131778  | 52.63      | 20.84     | 915028     | 10.0000     |
| Nortriptyline        | 4.448 | 761842  | 189473.05  | 179.29    | 3202141    | 10.0000     |
| O-desmethyl-tramadol | 2.930 | 614012  | 1006.32    | 29.33     | 16281255   | 10.0000     |
| Olanzapine           | 3.904 | 82699   | 389.72     | 60.09     | 112123     | 10.0000     |
| Oxazepam             | 4.490 | 256577  | 155.39     | 60.33     | 1677962    | 10.0000     |
| Oxycodone            | 2.970 | 211315  | 103.32     | 1956.18   | 915028     | 10.0000     |
| Oxymorphone          | 2.438 | 144535  | 37.55      | 96.31     | 8544       | 10.0000     |
| Paroxetine           | 4.362 | 209711  | 252.41     | 3244.29   | 2858529    | 10.0000     |
| Phenazepam           | 4.621 | 341471  | 204954.76  | 167603.60 | 2201256    | 10.0000     |
| Phencyclidine        | 3.972 | 648091  | 117.09     | 62.46     | 4115752    | 10.0000     |
| Phentermine          | 3.148 | 97301   | 15.84      | 3.20      | 1512981    | 10.0000     |
| Phenytoin            | 4.111 | 167893  | 41940.64   | 564.64    | 112123     | 10.0000     |
| Promethazine         | 4.383 | 2825871 | 391.61     | 93.37     | 16281255   | 10.0000     |
| Pseudoephedrine      | 2.720 | 4168935 | ∞          | 258.20    | 1454313    | 10.0000     |
| Quetiapine           | 4.544 | 758343  | 39228.78   | 264.15    | 4929479    | 10.0000     |
| Sertraline           | 4.581 | 572218  | 654.20     | 473.04    | 2858529    | 10.0000     |
| Sufentanil           | 4.528 | 89192   | 62739.73   | 76.28     | 3233871    | 10.0000     |
| Tapentadol           | 3.453 | 402872  | 171.05     | 149.99    | 915028     | 10.0000     |
| Temazepam            | 4.643 | 385141  | ∞          | 24.87     | 2201256    | 10.0000     |
| Tramadol             | 3.449 | 859102  | 1966.98    | ∞         | 16281255   | 10.0000     |
| Trazodone            | 4.697 | 1816599 | 353.74     | 523.54    | 8297816    | 10.0000     |

Cal

# AM #25 Multi-Drug Screen Results



| Name        | RT    | Resp.  | S/N      | S/N     | ISTD Resp. | Calc. Conc. |
|-------------|-------|--------|----------|---------|------------|-------------|
| Venlafaxine | 3.815 | 798117 | 212.96   | 46.55   | 2858529    | 10.0000     |
| Zaleplon    | 4.351 | 304056 | 433.79   | 175.11  | 4929479    | 10.0000     |
| Zolpidem    | 4.396 | 944779 | 262.88   | 3056.39 | 4929479    | 10.0000     |
| Zopiclone   | 4.283 | 27860  | 25902.32 | 33.24   | 138582     | 10.0000     |

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

Extraction Date: 09/08/2020  
 Plate lot#: IDP-108-2-200723

Analyst: Celena Shrum  
 Plate Expiration: 01/23/2021

**Mobile phase A:** 0.1% Formic Acid in LCMS Water

**Mobile phase B:** 0.1% Formic acid in Acetonitrile

**Blank Blood Lot:** 445283-4

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

**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. Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample** of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
- 7. 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
- 8. Wait 5 minutes.
- 9. Add **2.25mL MTBE. (Add in 3 increments of 750uL)**
- 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)**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 15. 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, 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: THC curve range: 3-100, Carboxy-THC curve range: 5-250, THC-OH curve range: 3-100.

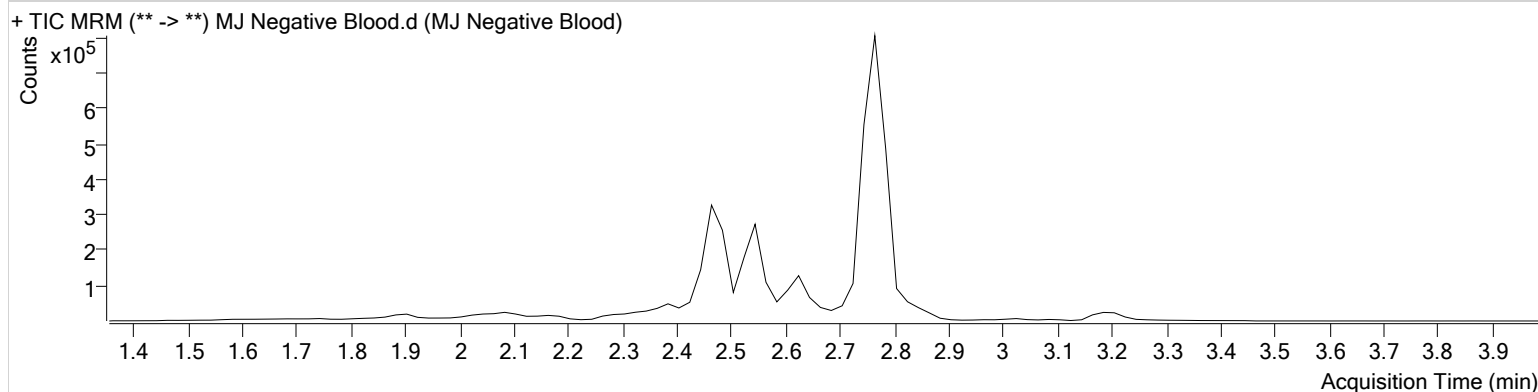
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |                     |
|-------------------------|---------------------|------------------|---------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Negative Blood.d |
| <b>Type</b>             | Sample              | <b>Sample</b>    | MJ Negative Blood   |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum        |
| <b>Sample Position</b>  | P3-A2               | <b>Comment</b>   |                     |
| <b>Injection Volume</b> | 10                  |                  |                     |
| <b>Acq. Date-Time</b>   | 9/8/2020 3:29:07 PM |                  |                     |
| <b>Sample Info.</b>     |                     |                  |                     |

## Sample Chromatogram



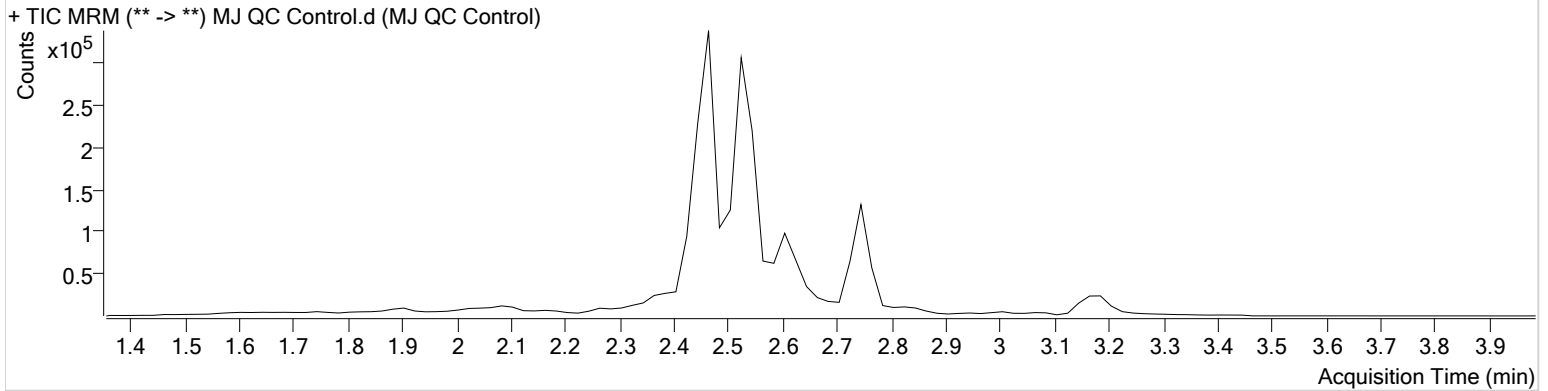
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |                 |
|-------------------------|---------------------|------------------|-----------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ QC Control.d |
| <b>Type</b>             | Sample              | <b>Sample</b>    | MJ QC Control   |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum    |
| <b>Sample Position</b>  | P3-H1               | <b>Comment</b>   |                 |
| <b>Injection Volume</b> | 10                  |                  |                 |
| <b>Acq. Date-Time</b>   | 9/8/2020 3:16:02 PM |                  |                 |
| <b>Sample Info.</b>     |                     |                  |                 |

## Sample Chromatogram

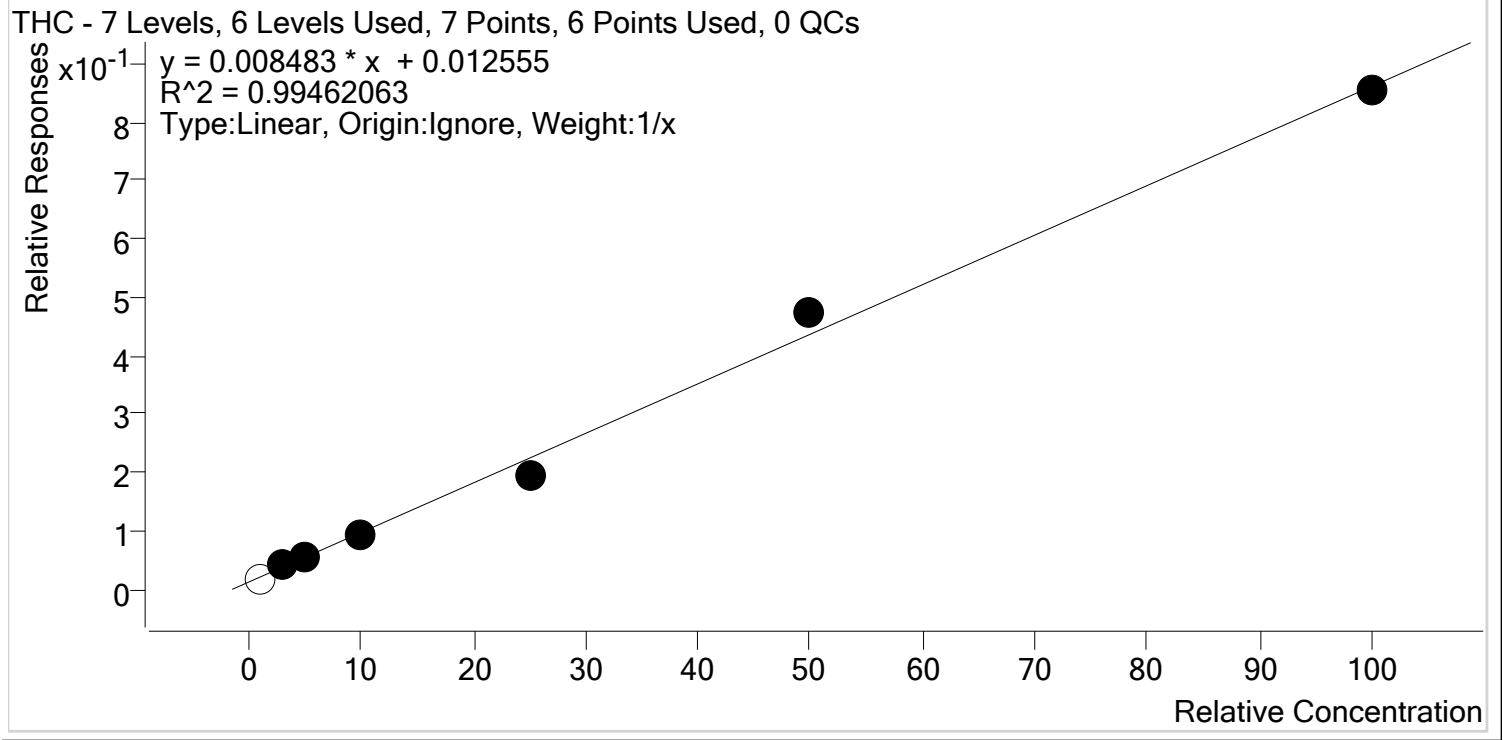


| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 2.819 | 566    | 8388       | 6.4788 ng/ml  |
| THC-COOH | 2.545 | 146168 | 391377     | 15.7335 ng/ml |
| THC-OH   | 2.471 | 64511  | 742379     | 4.0316 ng/ml  |



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 9/16/2020 12:38 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

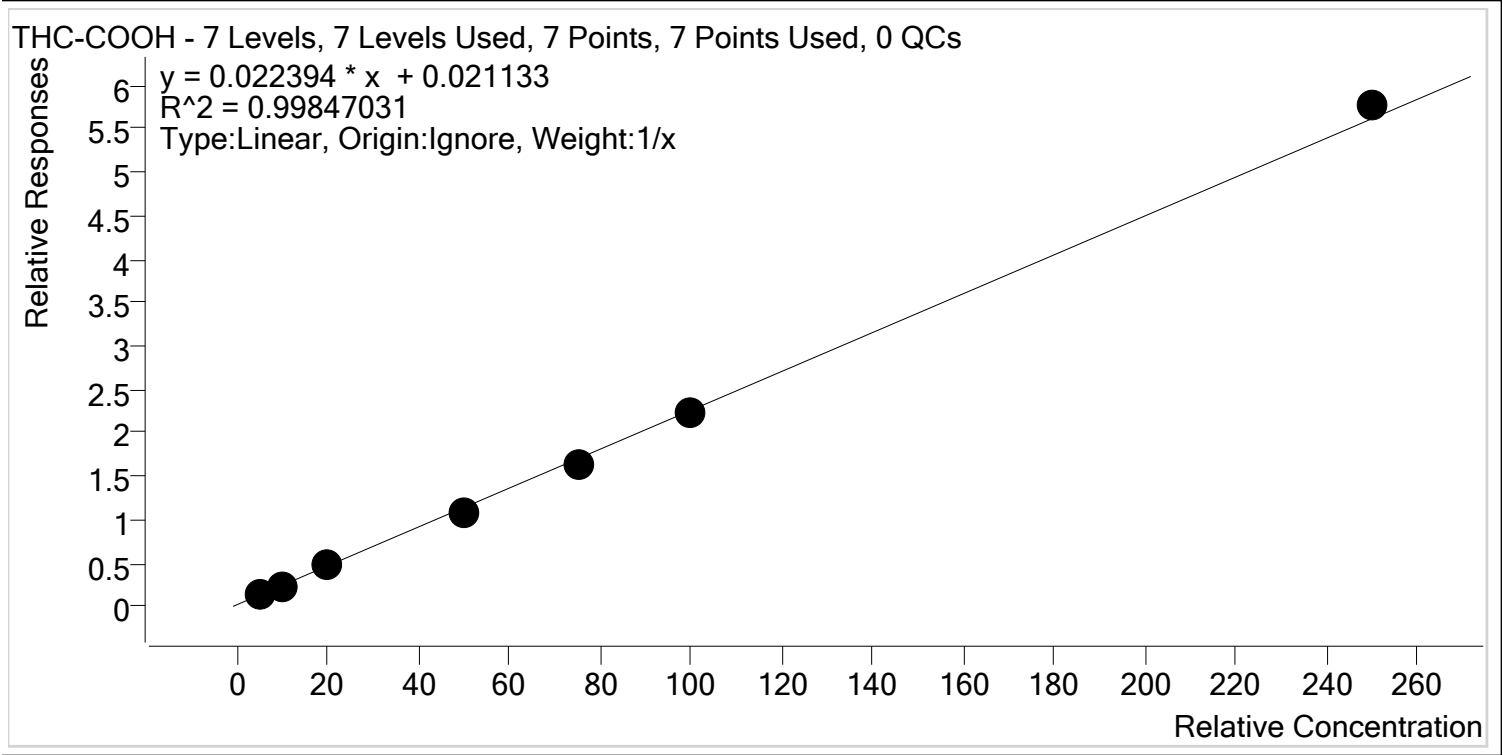


| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| MJ Cal 1 | 1     | x       | 1.0                    | 0.7                 | 67.3     |
| MJ Cal 2 | 2     | ✓       | 3.0                    | 3.3                 | 110.2    |
| MJ Cal 3 | 3     | ✓       | 5.0                    | 4.8                 | 96.4     |
| MJ Cal 4 | 4     | ✓       | 10.0                   | 9.9                 | 98.9     |
| MJ Cal 5 | 5     | ✓       | 25.0                   | 21.8                | 87.4     |
| MJ Cal 6 | 6     | ✓       | 50.0                   | 54.0                | 108.0    |
| MJ Cal 7 | 7     | ✓       | 100.0                  | 99.1                | 99.1     |



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 9/16/2020 12:38 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-D9



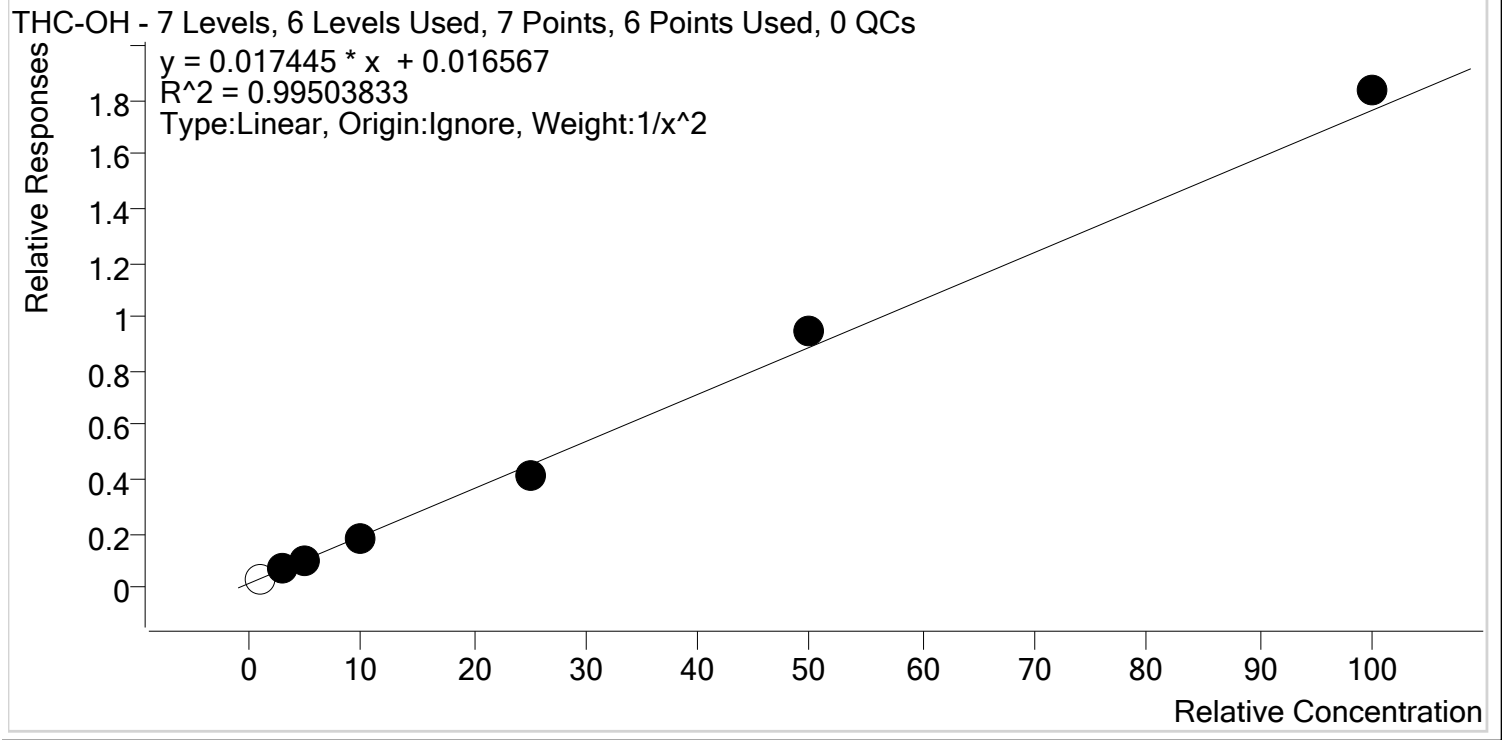
| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| MJ Cal 1 | 1     | ✓       | 5.0                    | 5.6                 | 111.3    |
| MJ Cal 2 | 2     | ✓       | 10.0                   | 9.7                 | 96.7     |
| MJ Cal 3 | 3     | ✓       | 20.0                   | 20.1                | 100.4    |
| MJ Cal 4 | 4     | ✓       | 50.0                   | 47.2                | 94.4     |
| MJ Cal 5 | 5     | ✓       | 75.0                   | 71.4                | 95.2     |
| MJ Cal 6 | 6     | ✓       | 100.0                  | 99.4                | 99.4     |
| MJ Cal 7 | 7     | ✓       | 250.0                  | 256.7               | 102.7    |





# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 9/16/2020 12:38 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3



| Sample   | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|----------|-------|---------|------------------------|---------------------|----------|
| MJ Cal 1 | 1     | x       | 1.0                    | 1.0                 | 100.7    |
| MJ Cal 2 | 2     | ✓       | 3.0                    | 3.0                 | 101.3    |
| MJ Cal 3 | 3     | ✓       | 5.0                    | 5.1                 | 101.1    |
| MJ Cal 4 | 4     | ✓       | 10.0                   | 9.5                 | 94.7     |
| MJ Cal 5 | 5     | ✓       | 25.0                   | 23.1                | 92.3     |
| MJ Cal 6 | 6     | ✓       | 50.0                   | 53.2                | 106.4    |
| MJ Cal 7 | 7     | ✓       | 100.0                  | 104.2               | 104.2    |

# AM #26 Cannabinoids Screen Results

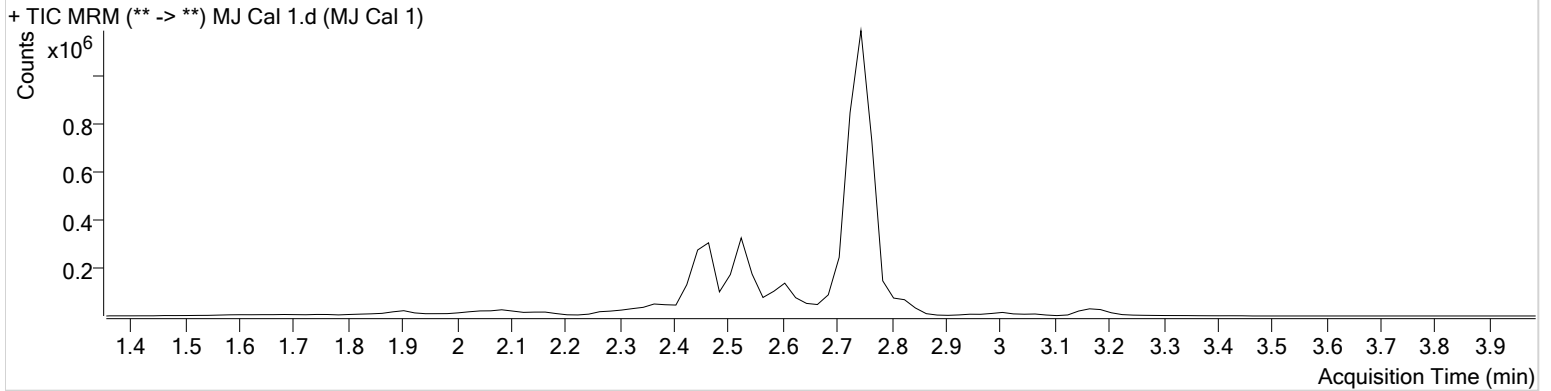


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 1.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 1     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-A1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 2:30:11 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp. | ISTD Resp. | Final Conc.  |     |
|----------|-------|-------|------------|--------------|-----|
| THC      | 2.799 | 1505  | 82380      | 0.6732 ng/ml | Low |
| THC-COOH | 2.545 | 67359 | 462171     | 5.5645 ng/ml |     |
| THC-OH   | 2.491 | 27254 | 798434     | 1.0071 ng/ml | Low |

# AM #26 Cannabinoids Screen Results

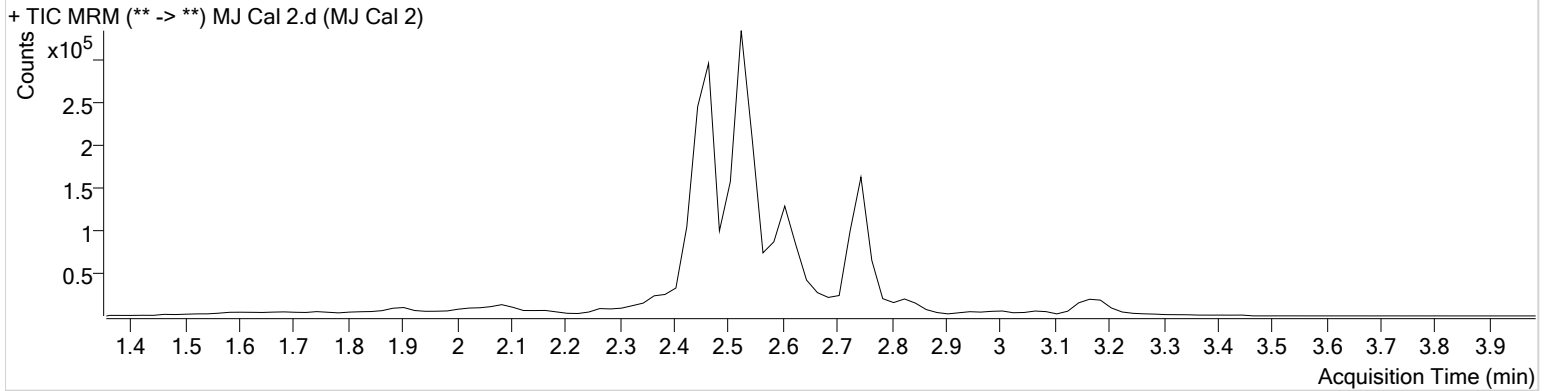


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 2.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 2     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-B1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 2:36:51 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.  |
|----------|-------|--------|------------|--------------|
| THC      | 2.819 | 506    | 12460      | 3.3050 ng/ml |
| THC-COOH | 2.545 | 113416 | 477350     | 9.6659 ng/ml |
| THC-OH   | 2.471 | 51089  | 734085     | 3.0398 ng/ml |

# AM #26 Cannabinoids Screen Results

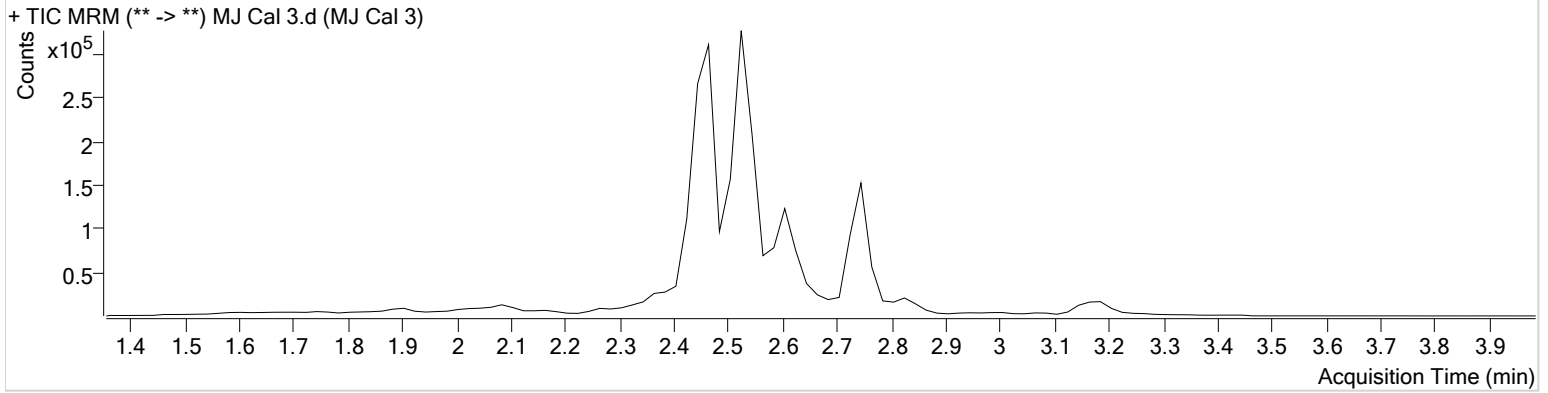


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 3.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 3     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-C1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 2:43:24 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 2.819 | 682    | 12763      | 4.8206 ng/ml  |
| THC-COOH | 2.545 | 174375 | 370318     | 20.0831 ng/ml |
| THC-OH   | 2.471 | 78493  | 749108     | 5.0568 ng/ml  |

# AM #26 Cannabinoids Screen Results

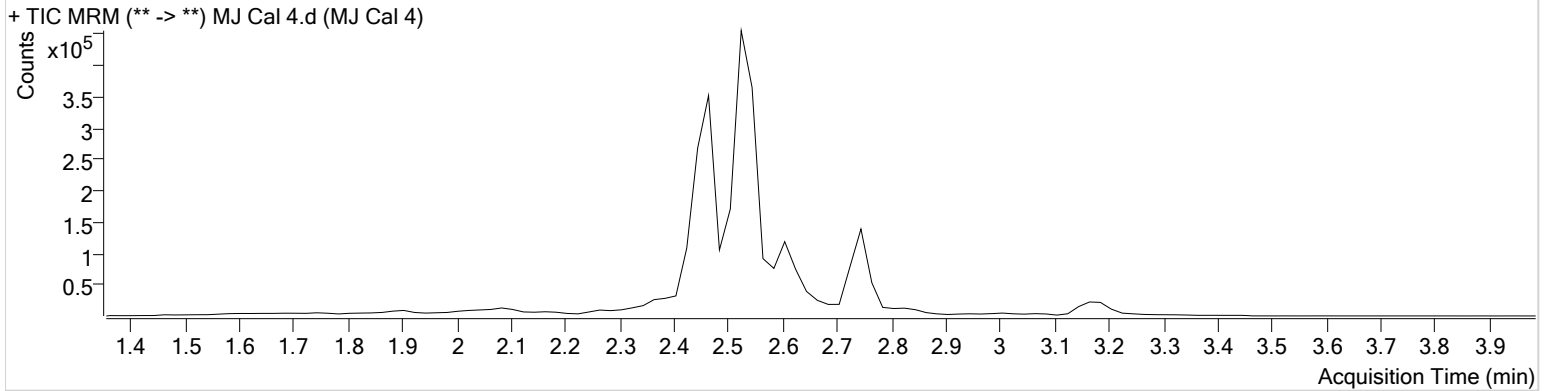


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 4.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 4     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-D1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 2:49:56 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 2.799 | 923    | 9569       | 9.8865 ng/ml  |
| THC-COOH | 2.545 | 404569 | 375327     | 47.1897 ng/ml |
| THC-OH   | 2.471 | 134725 | 741277     | 9.4687 ng/ml  |

# AM #26 Cannabinoids Screen Results

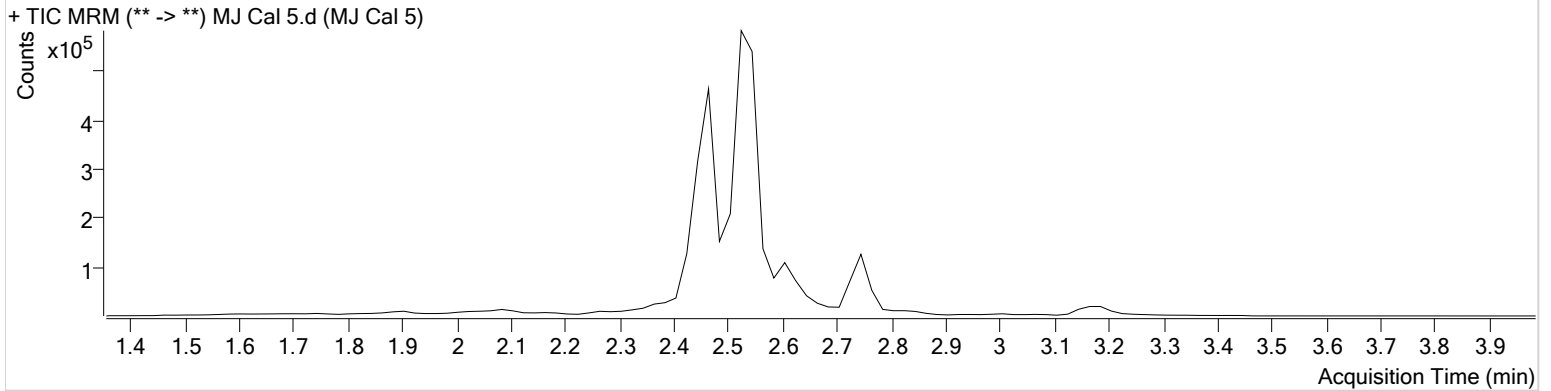


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 5.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 5     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-E1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 2:56:29 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 2.799 | 1509   | 7627       | 21.8493 ng/ml |
| THC-COOH | 2.545 | 664928 | 410547     | 71.3792 ng/ml |
| THC-OH   | 2.471 | 325403 | 776237     | 23.0807 ng/ml |

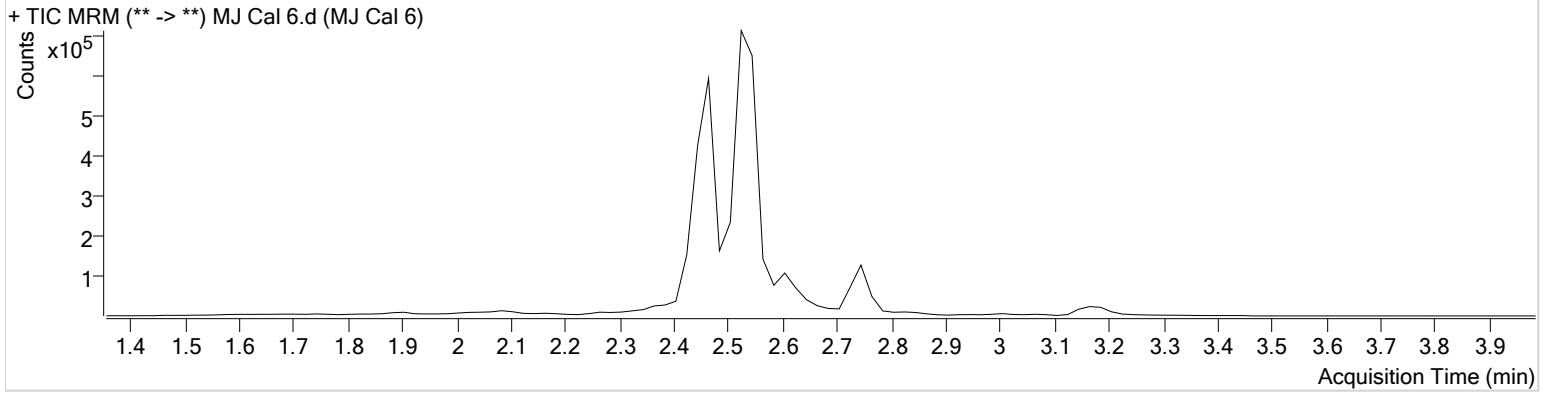


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

**Instrument** Falco **Data File** MJ Cal 6.d  
**Type** Cal **Sample** MJ Cal 6  
**Acq. Method** am 26 test.m **Operator** Celena Shrum  
**Sample Position** P3-F1 **Comment**  
**Injection Volume** 10  
**Acq. Date-Time** 9/8/2020 3:02:59 PM  
**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.  | ISTD Resp. | Final Conc.   |
|----------|-------|--------|------------|---------------|
| THC      | 2.799 | 3329   | 7072       | 54.0213 ng/ml |
| THC-COOH | 2.545 | 874515 | 389190     | 99.3953 ng/ml |
| THC-OH   | 2.471 | 703469 | 744960     | 53.1812 ng/ml |

# AM #26 Cannabinoids Screen Results

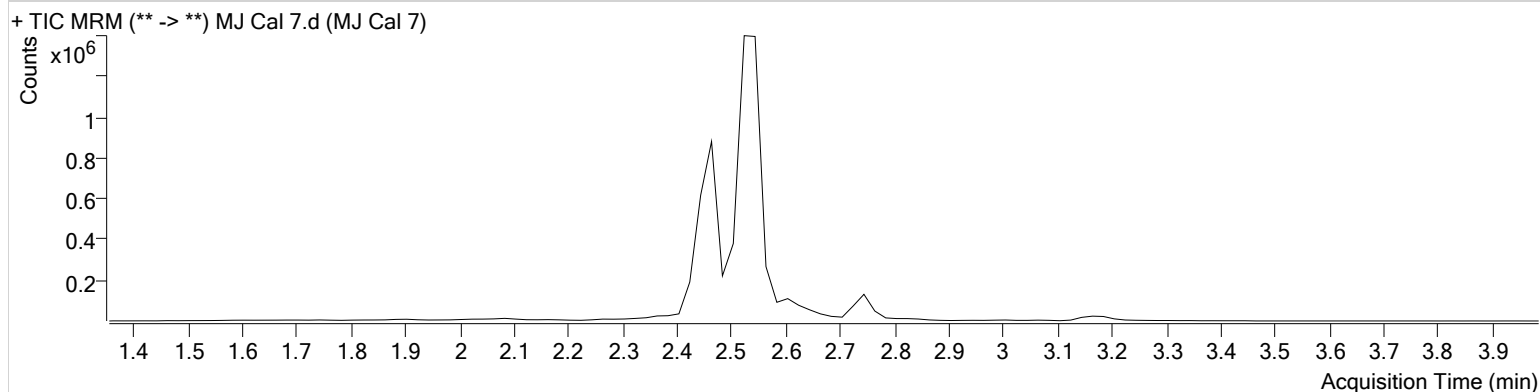


**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 090820 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 9/16/2020 12:38:09 PM

|                         |                     |                  |              |
|-------------------------|---------------------|------------------|--------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | MJ Cal 7.d   |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | MJ Cal 7     |
| <b>Acq. Method</b>      | am 26 test.m        | <b>Operator</b>  | Celena Shrum |
| <b>Sample Position</b>  | P3-G1               | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 10                  |                  |              |
| <b>Acq. Date-Time</b>   | 9/8/2020 3:09:32 PM |                  |              |

**Sample Info.**

## Sample Chromatogram



| Name     | RT    | Resp.   | ISTD Resp. | Final Conc.    |
|----------|-------|---------|------------|----------------|
| THC      | 2.799 | 6794    | 7962       | 99.1174 ng/ml  |
| THC-COOH | 2.545 | 2138776 | 370657     | 256.7223 ng/ml |
| THC-OH   | 2.471 | 1328176 | 724310     | 104.1651 ng/ml |