**REVIEWED**
*By Sarah Pickle at 1:50 pm, Jul 01, 2020*

6/29/2020

**Worklist: 4312**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| M2020-1664 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-1784 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-1833 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-1916 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-1917 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-1960 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-2102 | 2 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-2198 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-2318 | 3 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1464 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1740 | 2 | CBUK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1742 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1746 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1747 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1754 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1775 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1798 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1803 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1804 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1807 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1809 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |

**Worklist: 4312**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| P2020-1810 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1819 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1830 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1831 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1834 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-1837 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |

CS

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

Extraction Date: 6/24/2020
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

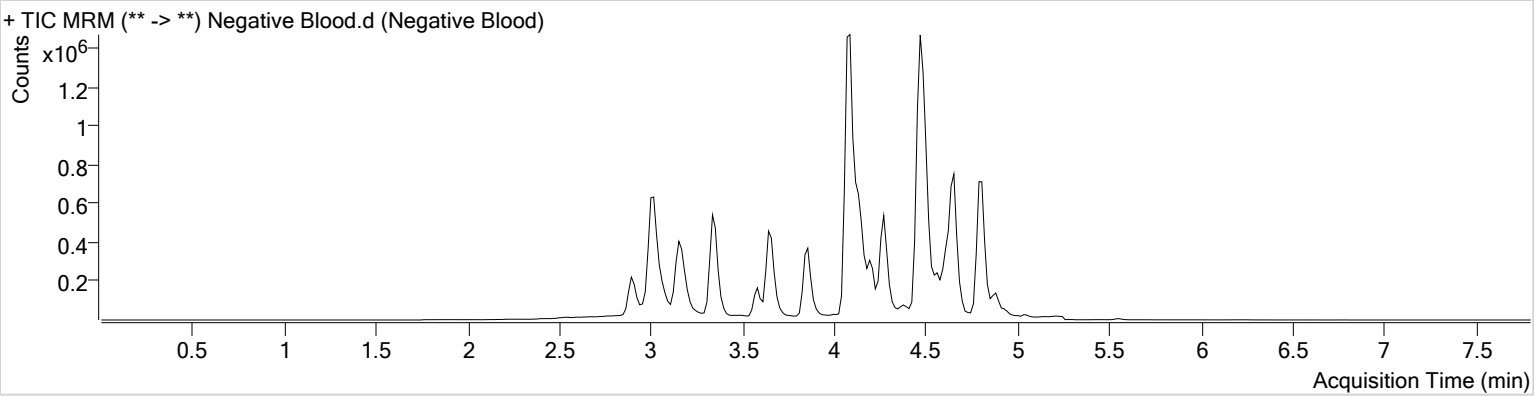
COMMENTS: Zopiclone not evaluated due to poor ISTD response. The extraction was done on 6/24/20. However, there was an issue with the calibrator (ISTD and compound peaks were poor quality or failed to show up), so the extraction was redone on 6/25/20 with no issues. CS

# AM #25 Multi-Drug Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\MDS Reinjects\QuantResults\MDS.batch.bin |
| **Calibration Last Update** | 7/1/2020 9:45:41 AM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | Negative Blood.d |
| **Type** | Sample | **Sample** | Negative Blood |
| **Acq. Method** | AM 25 061720.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-E5 | **Comment** | |
| **Injection Volume** | 5 | | |
| **Acq. Date-Time** | 6/25/2020 11:46:16 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**

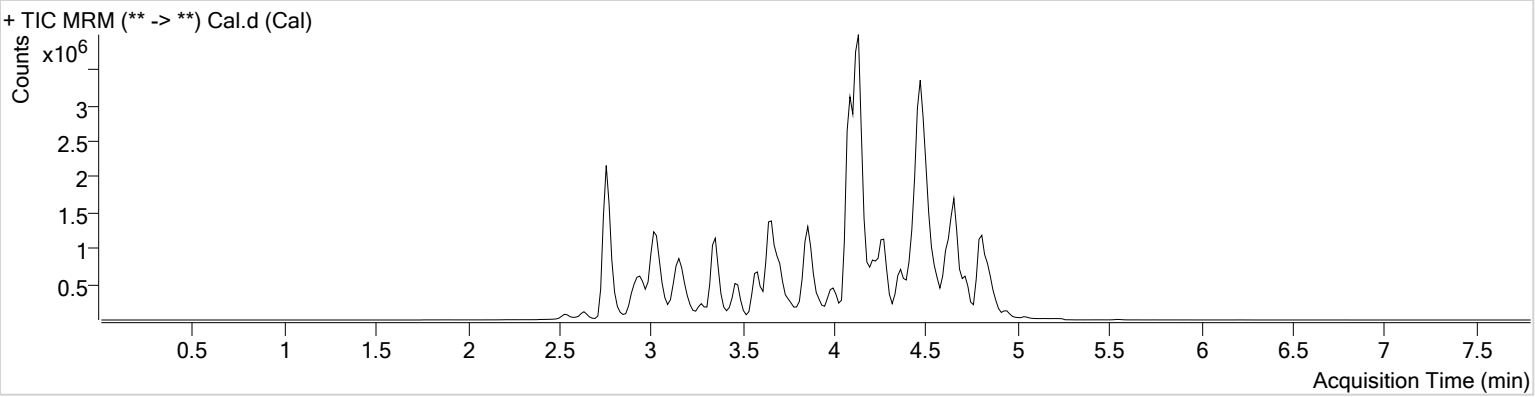


# AM #25 Multi-Drug Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\MDS Reinjects\QuantResults\MDS.batch.bin |
| **Calibration Last Update** | 7/1/2020 9:45:41 AM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | Cal.d |
| **Type** | Cal | **Sample** | Cal |
| **Acq. Method** | AM 25 061720.m | **Operator** | Celena Shrum |
| **Sample Position** | P1-B5 | **Comment** | |
| **Injection Volume** | 5 | | |
| **Acq. Date-Time** | 6/25/2020 11:21:06 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|---|---|---|---|---|---|---|
| 6-MAM | 3.074 | 3810 | 1427.69 | 2029.33 | 117361 | 10.0000 |
| 7-aminoclonazepam | 3.599 | 146279 | 259.25 | 96062.22 | 603835 | 10.0000 |
| 7-aminoflunitrazepam | 3.798 | 224855 | 203.36 | 25510.22 | 603835 | 10.0000 |
| Acetyl Fentanyl | 4.056 | 40294 | 24.50 | 45541.69 | 2617503 | 10.0000 |
| Acetyl Norfentanyl | 2.946 | 22668 | 266.25 | 24.63 | 2617503 | 10.0000 |
| a-hydroxyalprazolam | 4.515 | 22666 | 57.69 | 18015.14 | 603835 | 10.0000 |
| alpha-hydroxymidazolam | 4.606 | 176351 | ∞ | 106773.42 | 603835 | 10.0000 |
| alpha-PVP | 3.651 | 422230 | 1715.90 | 55.36 | 880348 | 10.0000 |
| Alprazolam | 4.626 | 252118 | 209.26 | 70.40 | 2278515 | 10.0000 |
| Amitriptyline | 4.522 | 290175 | ∞ | ∞ | 1085409 | 10.0000 |
| Amphetamine | 2.935 | 321849 | 115.00 | ∞ | 880348 | 10.0000 |
| Benzoylecgonine | 3.385 | 104597 | ∞ | 18359.69 | 31781 | 10.0000 |
| Buprenorphine | 4.938 | 102346 | 244.62 | 417.30 | 450668 | 10.0000 |
| Bupropion | 3.880 | 531239 | 232.50 | 237.11 | 1923346 | 10.0000 |
| Carbamazepine | 4.234 | 750362 | 527.73 | 348.53 | 113971 | 10.0000 |
| Carisoprodol | 4.217 | 141613 | 56341.23 | 64.95 | 745343 | 10.0000 |
| Chlordiazepoxide | 4.734 | 97653 | ∞ | ∞ | 2278515 | 10.0000 |
| Chlorpheniramine | 4.031 | 2588 | 76.09 | 161.04 | 7312552 | 10.0000 |
| Citalopram | 4.117 | 380596 | 173.04 | 56554.00 | 7312552 | 10.0000 |
| Clomipramine | 4.716 | 674509 | 308.32 | 295.17 | 7312552 | 10.0000 |
| Clonazepam | 4.440 | 185277 | 249.40 | 29908.29 | 2278515 | 10.0000 |
| Cocaine | 3.659 | 503645 | 270105.10 | 75.61 | 2792122 | 10.0000 |
| Codeine | 3.033 | 28822 | 1117.22 | 8.86 | 892867 | 10.0000 |
| Cyclobenzaprine | 4.431 | 393633 | 384.05 | 36.21 | 1085409 | 10.0000 |
| Desipramine | 4.432 | 668715 | ∞ | ∞ | 1085409 | 10.0000 |
| Dextromethorphan | 4.155 | 258080 | 112780.03 | 27365.42 | 1435610 | 10.0000 |
| Dextrorphan | 3.433 | 233840 | 23205.53 | 13253.47 | 1435610 | 10.0000 |
| Diazepam | 4.858 | 154170 | 148.67 | 57.80 | 2278515 | 10.0000 |
| Dihydrocodeine | 2.925 | 72922 | 183.15 | 62.80 | 892867 | 10.0000 |
| Diphenhydramine | 4.094 | 998354 | 166.73 | 317.93 | 7312552 | 10.0000 |
| Doxepin | 4.230 | 257582 | 267.26 | 28.59 | 3351604 | 10.0000 |
| Doxylamine | 3.708 | 956525 | 898.94 | 131.78 | 1435610 | 10.0000 |
| EDDP | 4.138 | 690466 | 5235.52 | 288.16 | 376143 | 10.0000 |
| Estazolam | 4.535 | 561804 | 159.13 | 295.47 | 2278515 | 10.0000 |

# AM #25 Multi-Drug Screen Results

| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|---|---|---|---|---|---|---|
| Etizolam | 4.651 | 26312 | 26237.86 | 71572.71 | 2278515 | 10.0000 |
| Fentanyl | 4.284 | 32190 | ∞ | 12500.43 | 1983384 | 10.0000 |
| Flunitrazepam | 4.563 | 261019 | 159.68 | 7352.72 | 2278515 | 10.0000 |
| Fluoxetine | 4.365 | 453573 | 172.86 | 4.78 **Low**-OK | 1183290 | 10.0000 |
| Flurazepam | 4.344 | 360204 | 1359.16 | 62256.37 | 2278515 | 10.0000 |
| Hydrocodone | 3.200 | 115993 | 24.37 | 7.53 | 892867 | 10.0000 |
| Hydromorphone | 2.776 | 76853 | 21.44 | ∞ | 10423 | 10.0000 |
| Imipramine | 4.475 | 741939 | 259.36 | 414.83 | 1085409 | 10.0000 |
| Ketamine | 3.773 | 319344 | 400489.25 | 20.59 | 1053847 | 10.0000 |
| Lamotrigine | 3.633 | 27836 | 218.33 | 847.38 | 7312552 | 10.0000 |
| Levamisole | 3.146 | 254538 | 174701.85 | 49.30 | 2792122 | 10.0000 |
| Lorazepam | 4.424 | 48229 | 27.08 | 37.16 | 2278515 | 10.0000 |
| Maprotiline | 4.522 | 339025 | 24.89 | 178.22 | 1085409 | 10.0000 |
| MDA | 3.040 | 206632 | 60.24 | 60.98 | 1621347 | 10.0000 |
| MDEA | 3.283 | 347927 | 149.11 | 142.93 | 1621347 | 10.0000 |
| MDMA | 3.131 | 421731 | 132.53 | 126.80 | 1621347 | 10.0000 |
| Meperidine | 3.695 | 268314 | 165.85 | 143.39 | 1435610 | 10.0000 |
| Meprobamate | 3.652 | 58906 | 55.76 | 17.49 | 745343 | 10.0000 |
| Methadone | 4.441 | 766144 | 79485.25 | 68.32 | 376143 | 10.0000 |
| Methamphetamine | 3.041 | 791004 | 212.38 | 115.67 | 1621347 | 10.0000 |
| Methocarbamol | 3.573 | 69300 | ∞ | ∞ | 376143 | 10.0000 |
| Methylphenidate | 3.574 | 973980 | 2622.91 | 161.17 | 1275909 | 10.0000 |
| Metoprolol | 3.478 | 48089 | 500.01 | 80002.34 | 1435610 | 10.0000 |
| Midazolam | 4.790 | 60135 | 67757.06 | 9402.34 | 2278515 | 10.0000 |
| Mirtazapine | 4.263 | 349038 | 85432.32 | 42886.21 | 1435610 | 10.0000 |
| Mitragynine | 4.343 | 58017 | 191.81 | 84342.51 | 1435610 | 10.0000 |
| Morphine | 2.593 | 14459 | 9.58 | ∞ | 10423 | 10.0000 |
| Norbuprenorphine | 3.883 | 3768 | 13.87 | 8499.79 | 450668 | 10.0000 |
| Nordiazepam | 4.692 | 155476 | 29423.59 | 51004.48 | 2278515 | 10.0000 |
| Norfentanyl | 3.359 | 529912 | 882444.71 | ∞ | 2617503 | 10.0000 |
| Norhydrocodone | 2.989 | 6393 | 10.72 | ∞ | 10423 | 10.0000 |
| Normeperidine | 3.635 | 255122 | 143.13 | 69.32 | 7312552 | 10.0000 |
| Noroxycodone | 2.941 | 137310 | 82.12 | 36.53 | 1053847 | 10.0000 |
| Nortriptyline | 4.463 | 273640 | 53491.54 | 28.79 | 1085409 | 10.0000 |
| O-desmethyl-tramadol | 2.960 | 583776 | 206.03 | 51.20 | 7312552 | 10.0000 |
| Olanzapine | 3.980 | 53500 | 481.49 | ∞ | 113971 | 10.0000 |
| Oxazepam | 4.505 | 256999 | 123.71 | 48.53 | 1656889 | 10.0000 |
| Oxycodone | 3.030 | 223667 | 43.64 | 506.65 | 1053847 | 10.0000 |
| Oxymorphone | 2.531 | 177028 | 174.50 | 291.50 | 10423 | 10.0000 |
| Paroxetine | 4.392 | 66877 | 161.93 | 8825.72 | 1183290 | 10.0000 |
| Phenazepam | 4.636 | 291865 | 311953.87 | 205584.91 | 2278515 | 10.0000 |
| Phencyclidine | 3.987 | 485014 | 61564.04 | 51.81 | 1435610 | 10.0000 |
| Phentermine | 3.178 | 116248 | 44.62 | 11.24 | 1275909 | 10.0000 |
| Phenytoin | 4.126 | 181951 | ∞ | 13210.96 | 113971 | 10.0000 |
| Promethazine | 4.444 | 874602 | 20926.38 | 102.73 | 7312552 | 10.0000 |
| Pseudoephedrine | 2.766 | 5462731 | 2024.47 | 214.28 | 1621347 | 10.0000 |
| Quetiapine | 4.665 | 356966 | 240613.36 | 1197.68 | 4558246 | 10.0000 |
| Sertraline | 4.611 | 228140 | 261.47 | 239.18 | 1183290 | 10.0000 |
| Sufentanil | 4.680 | 34344 | 202.95 | 363.70 | 2617503 | 10.0000 |
| Tapentadol | 3.468 | 338706 | 94.31 | 153.25 | 1053847 | 10.0000 |
| Temazepam | 4.673 | 416828 | 5507.64 | 29.80 | 2278515 | 10.0000 |
| Tramadol | 3.479 | 757952 | 52027.34 | 6.81 | 7312552 | 10.0000 |
| Trazodone | 4.834 | 681990 | ∞ | 267482.63 | 3351604 | 10.0000 |
| Venlafaxine | 3.845 | 602536 | ∞ | 82.96 | 1183290 | 10.0000 |
| Zaleplon | 4.366 | 310727 | 324.19 | 149.91 | 4558246 | 10.0000 |
| Zolpidem | 4.488 | 886512 | 4884.12 | 335.56 | 4558246 | 10.0000 |
| Zopiclone | 4.405 | 48344 | 132.63 | 11.33 | 255084 | 10.0000 |

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

Extraction Date: 06/24/2020
Plate lot#: IDP-108-2-200303
**Mobile phase A**: 0.1% Formic Acid in LCMS Water
**Blank Blood Lot**: 445283-4
**LCMS-QQQ ID**: 069901

Analyst: Celena Shrum
Plate Expiration: 09/30/2020
**Mobile phase B:** 0.1% Formic acid in Acetonitrile
**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: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
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, 500 µL saturated phosphate buffer in urine** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: 800µl
☒ 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, Curve weighting of Linear 1/x with $r^2$ values ≥0.98 for each analyte
☒ 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
☒ 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
☒ 5. Did all QCs pass for each analyte? (if not, describe in comments section)
☒ 6 Enter QCs into control charting.
☒ 7 Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

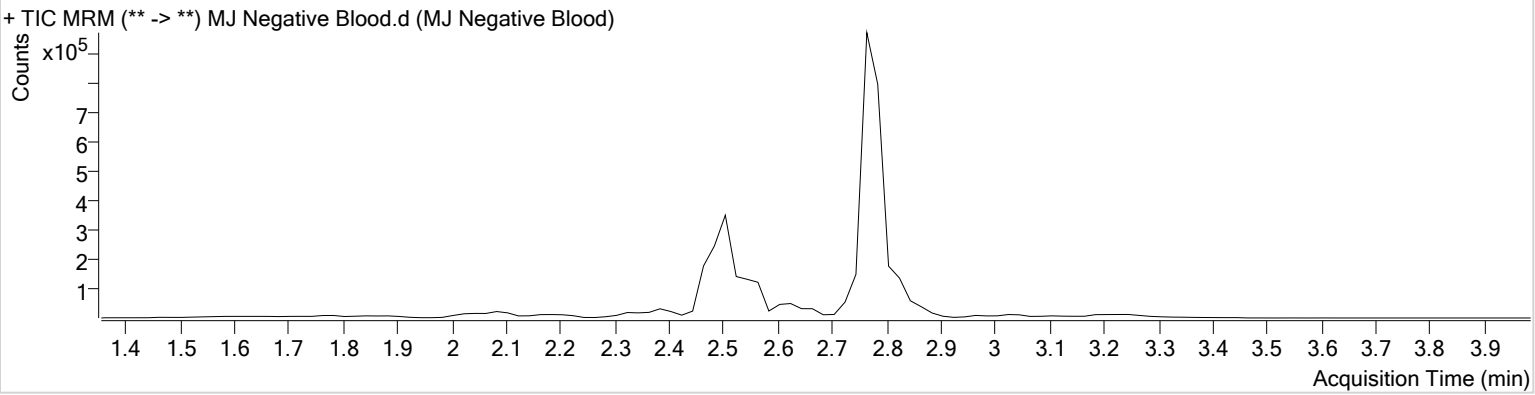
COMMENTS: THC curve range: 3-100, Carboxy-THC curve range: 10-250, THC-OH curve range: 3-100.

# AM #26 Cannabinoids Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin |
| **Calibration Last Update** | 7/1/2020 9:51:58 AM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Negative Blood.d |
| **Type** | Sample | **Sample** | MJ Negative Blood |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-A2 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:54:09 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**

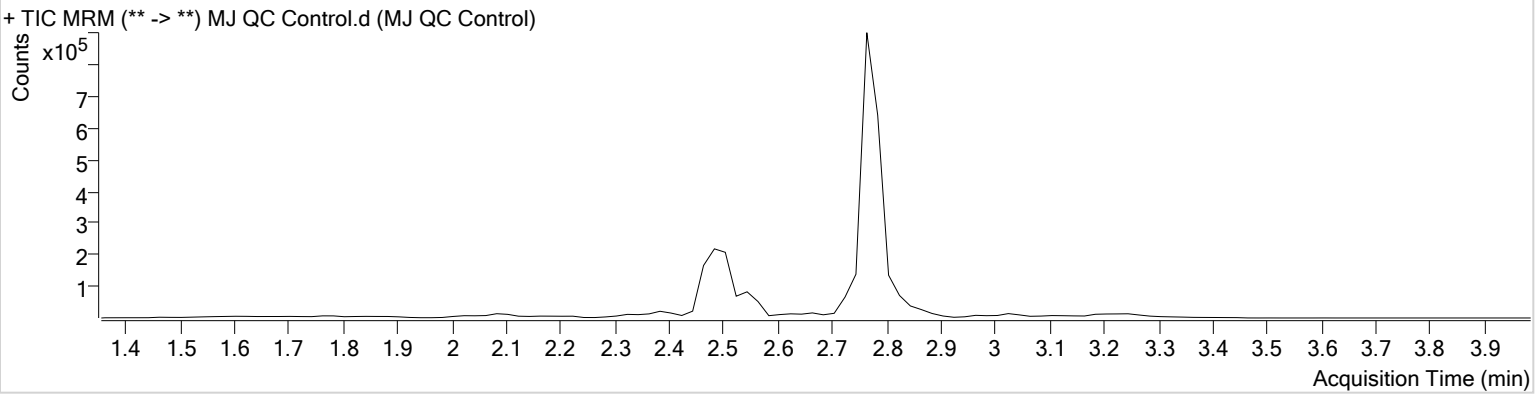


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ QC Control.d |
| **Type** | Sample | **Sample** | MJ QC Control |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-H1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:41:06 PM | | |
| **Sample Info.** | | | |

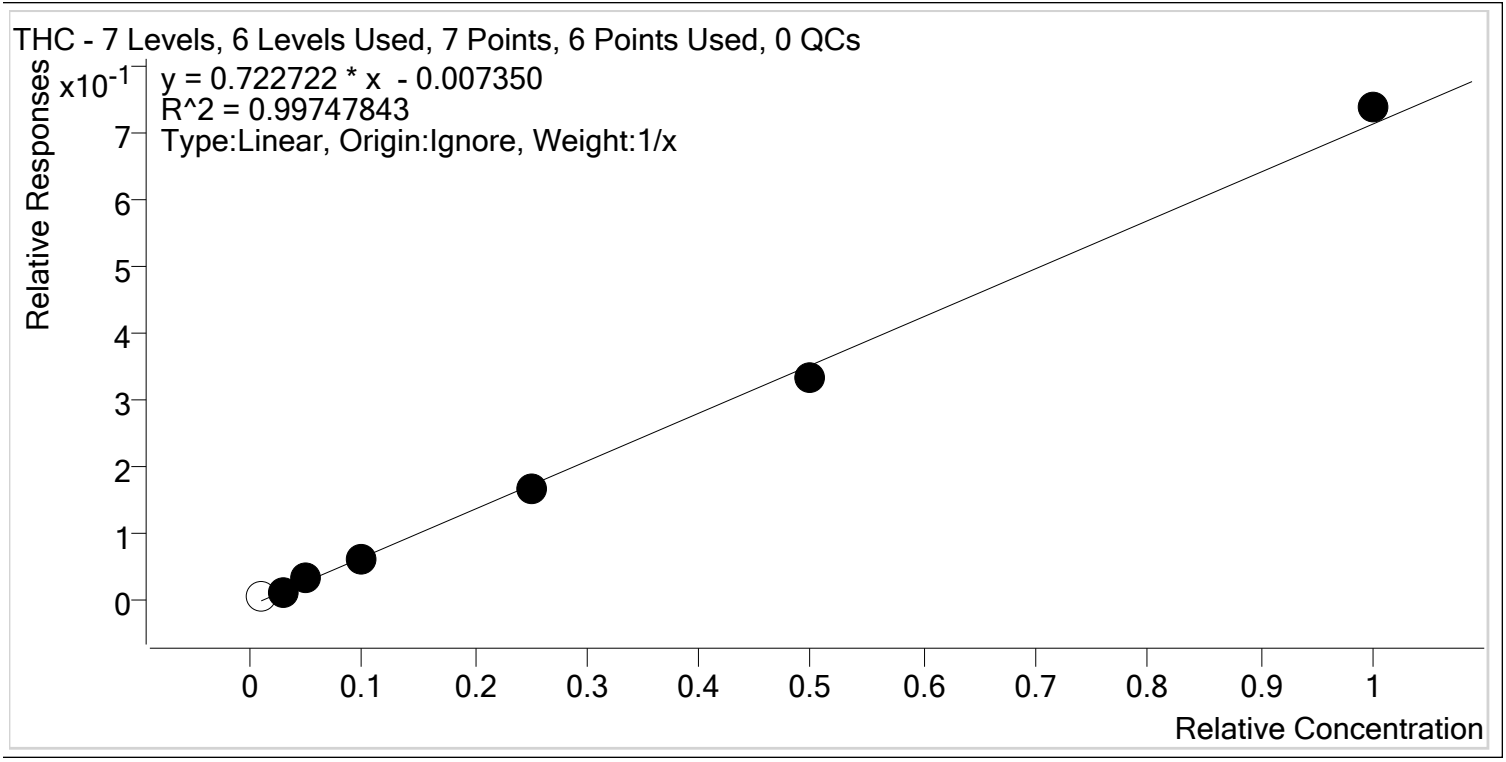
**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.839 | 2207 | 97135 | 4.1615 | ng/ml |
| THC-COOH | 2.545 | 33649 | 88029 | 22.6618 | ng/ml |
| THC-OH | 2.512 | 5288 | 549050 | 4.4743 | ng/ml |

# AM #26 Cannabinoids Screen Calibration Curve Report

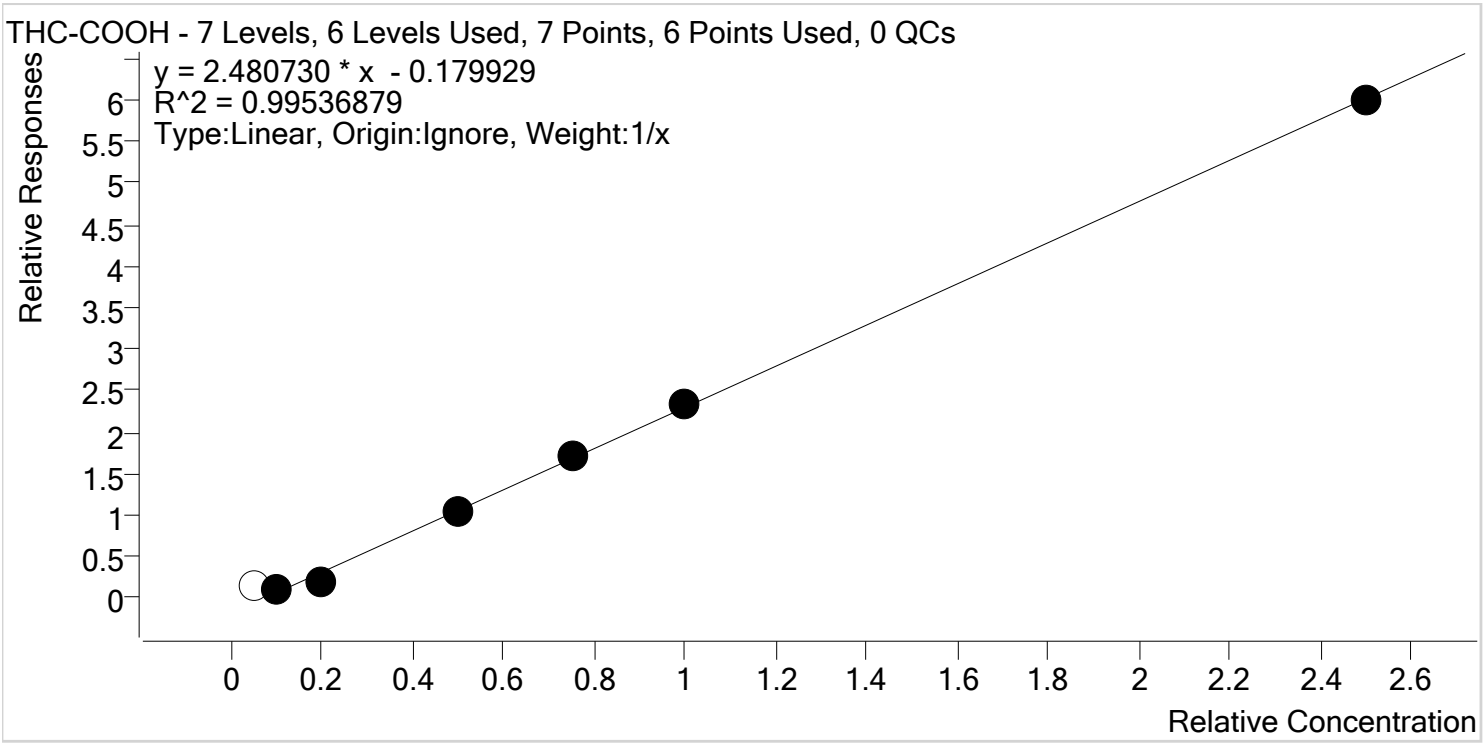
| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin |
| **Last Cal. Update** | 7/1/2020 9:51 AM |
| **Analyst Name** | ISP\Datastor |
| **Analyte** | THC |
| **Internal Standard** | THC-d3 |




| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| MJ Cal 1 | 1 | ✗ | 1.0 | 2.1 | 209.0 |
| MJ Cal 2 | 2 | ✔ | 3.0 | 2.9 | 97.8 |
| MJ Cal 3 | 3 | ✔ | 5.0 | 5.5 | 111.0 |
| MJ Cal 4 | 4 | ✔ | 10.0 | 9.7 | 97.2 |
| MJ Cal 5 | 5 | ✔ | 25.0 | 23.9 | 95.6 |
| MJ Cal 6 | 6 | ✔ | 50.0 | 47.5 | 95.0 |
| MJ Cal 7 | 7 | ✔ | 100.0 | 103.4 | 103.4 |

# AM #26 Cannabinoids Screen Calibration Curve Report

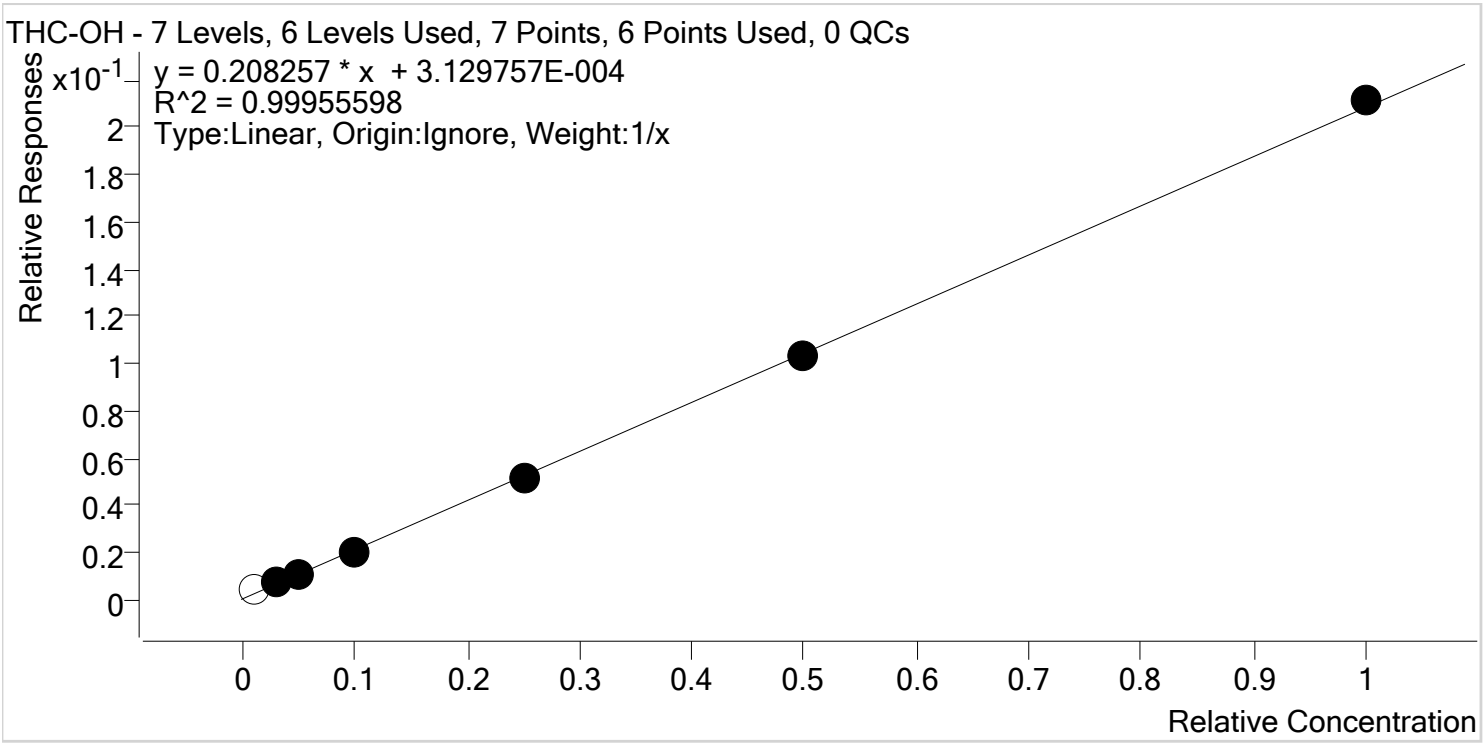
| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin |
| **Last Cal. Update** | 7/1/2020 9:51 AM |
| **Analyst Name** | ISP\Datastor |
| **Analyte** | THC-COOH |
| **Internal Standard** | THC-COOH-d9 |




| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| MJ Cal 1 | 1 | ✗ | 5.0 | 13.2 | 263.8 |
| MJ Cal 2 | 2 | ✔ | 10.0 | 11.9 | 119.2 |
| MJ Cal 3 | 3 | ✔ | 20.0 | 15.4 | 77.2 |
| MJ Cal 4 | 4 | ✔ | 50.0 | 49.8 | 99.7 |
| MJ Cal 5 | 5 | ✔ | 75.0 | 76.3 | 101.8 |
| MJ Cal 6 | 6 | ✔ | 100.0 | 102.5 | 102.5 |
| MJ Cal 7 | 7 | ✔ | 250.0 | 248.9 | 99.6 |

# AM #26 Cannabinoids Screen Calibration Curve Report

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin |
| **Last Cal. Update** | 7/1/2020 9:51 AM |
| **Analyst Name** | ISP\Datastor |
| **Analyte** | THC-OH |
| **Internal Standard** | THC-OH-d3 |



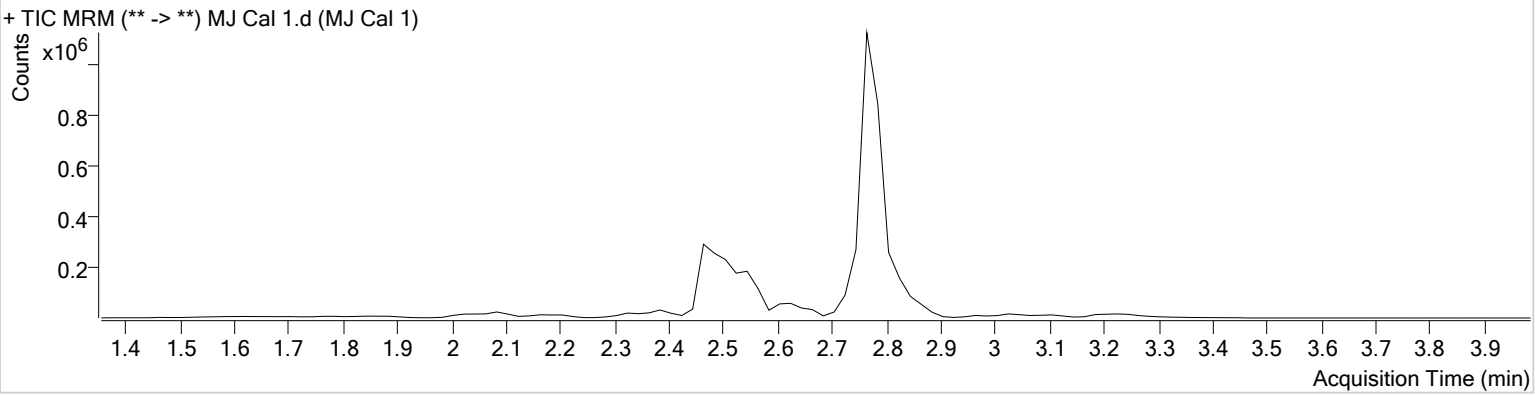

| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| MJ Cal 1 | 1 | ✗ | 1.0 | 2.0 | 204.4 |
| MJ Cal 2 | 2 | ✔ | 3.0 | 3.1 | 103.2 |
| MJ Cal 3 | 3 | ✔ | 5.0 | 5.1 | 102.9 |
| MJ Cal 4 | 4 | ✔ | 10.0 | 9.6 | 96.3 |
| MJ Cal 5 | 5 | ✔ | 25.0 | 24.4 | 97.5 |
| MJ Cal 6 | 6 | ✔ | 50.0 | 49.4 | 98.7 |
| MJ Cal 7 | 7 | ✔ | 100.0 | 101.4 | 101.4 |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 1.d |
| **Type** | Cal | **Sample** | MJ Cal 1 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-A1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 12:55:17 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



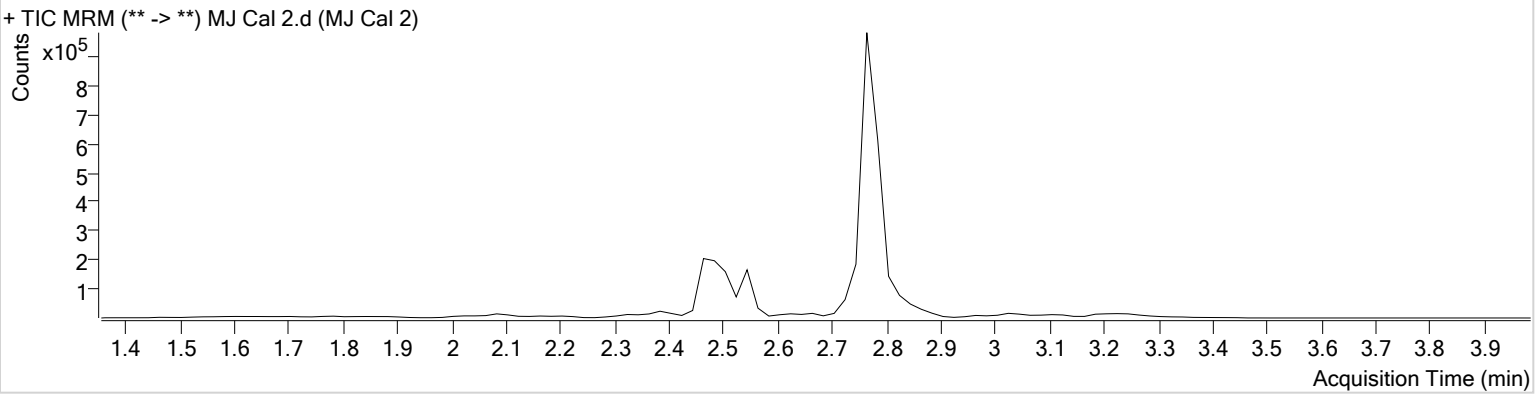

| Name | RT | Resp. | ISTD Resp. | Final Conc. | | |
|---|---|---|---|---|---|---|
| THC | 2.819 | 2002 | 258215 | 2.0896 | ng/ml | **Low** |
| THC-COOH | 2.545 | 39183 | 266029 | 13.1903 | ng/ml | |
| THC-OH | 2.491 | 3642 | 797132 | 2.0438 | ng/ml | **Low** |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 2.d |
| **Type** | Cal | **Sample** | MJ Cal 2 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-B1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:01:57 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



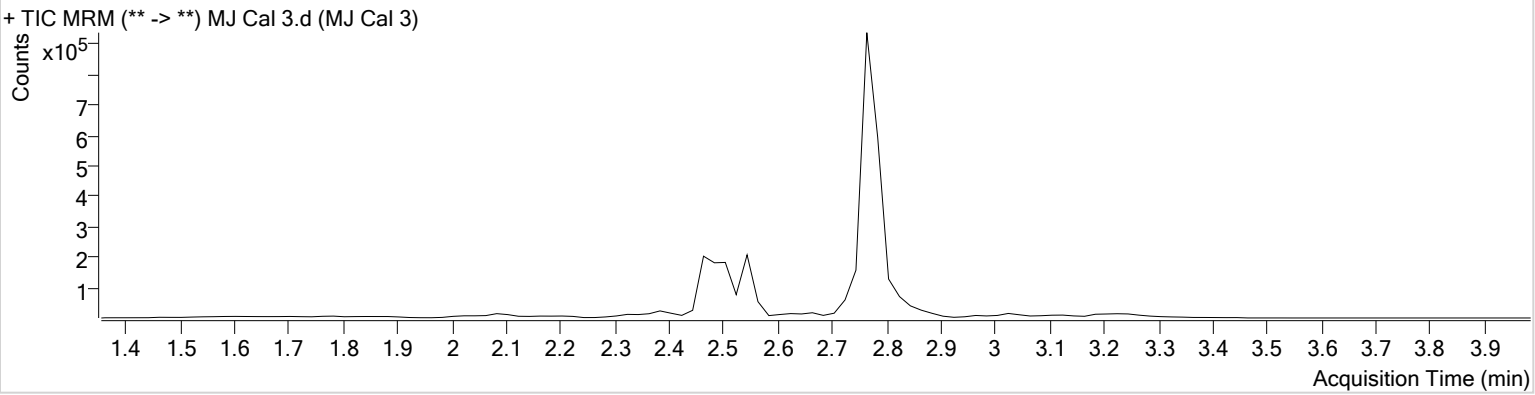

| Name | RT | Resp. | ISTD Resp. | Final Conc. | | |
|---|---|---|---|---|---|---|
| THC | 2.839 | 1501 | 108303 | 2.9350 | ng/ml | Low |
| THC-COOH | 2.545 | 21221 | 183182 | 11.9229 | ng/ml | |
| THC-OH | 2.471 | 3702 | 547628 | 3.0957 | ng/ml | |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 3.d |
| **Type** | Cal | **Sample** | MJ Cal 3 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-C1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:08:29 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



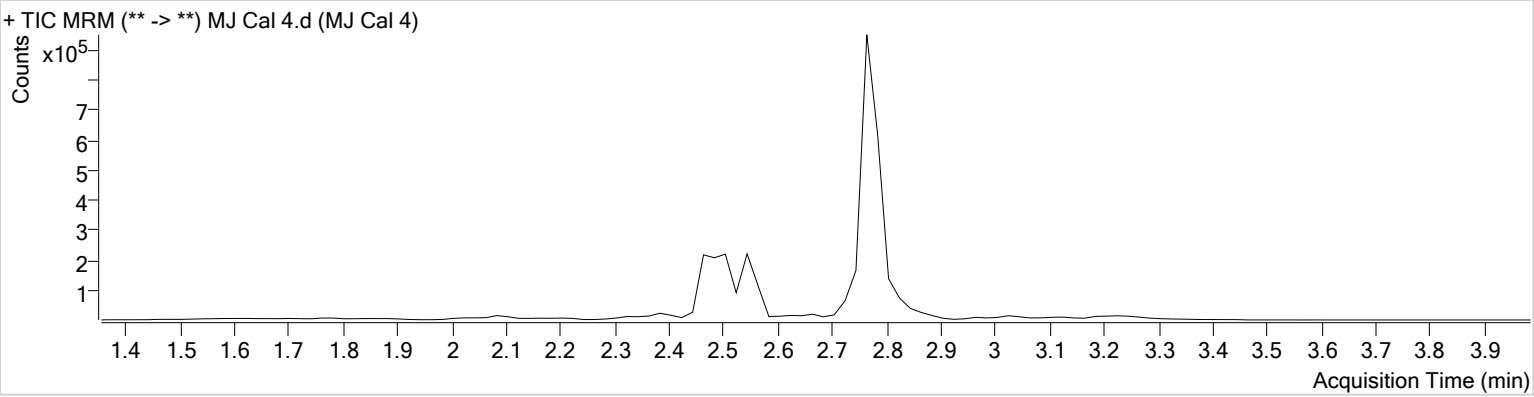

| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.839 | 3265 | 99686 | 5.5496 | ng/ml |
| THC-COOH | 2.545 | 45542 | 224201 | 15.4414 | ng/ml |
| THC-OH | 2.471 | 6185 | 561014 | 5.1432 | ng/ml |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 4.d |
| **Type** | Cal | **Sample** | MJ Cal 4 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-D1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:15:02 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



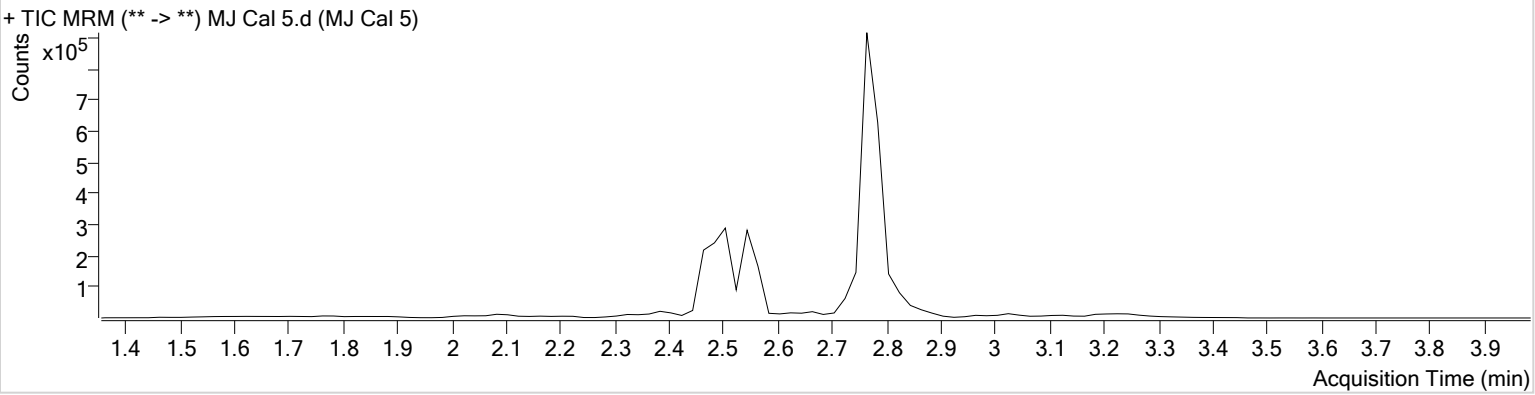

| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.839 | 6583 | 104665 | 9.7200 | ng/ml |
| THC-COOH | 2.545 | 129884 | 122927 | 49.8450 | ng/ml |
| THC-OH | 2.471 | 12169 | 597508 | 9.6295 | ng/ml |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 5.d |
| **Type** | Cal | **Sample** | MJ Cal 5 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-E1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:21:34 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



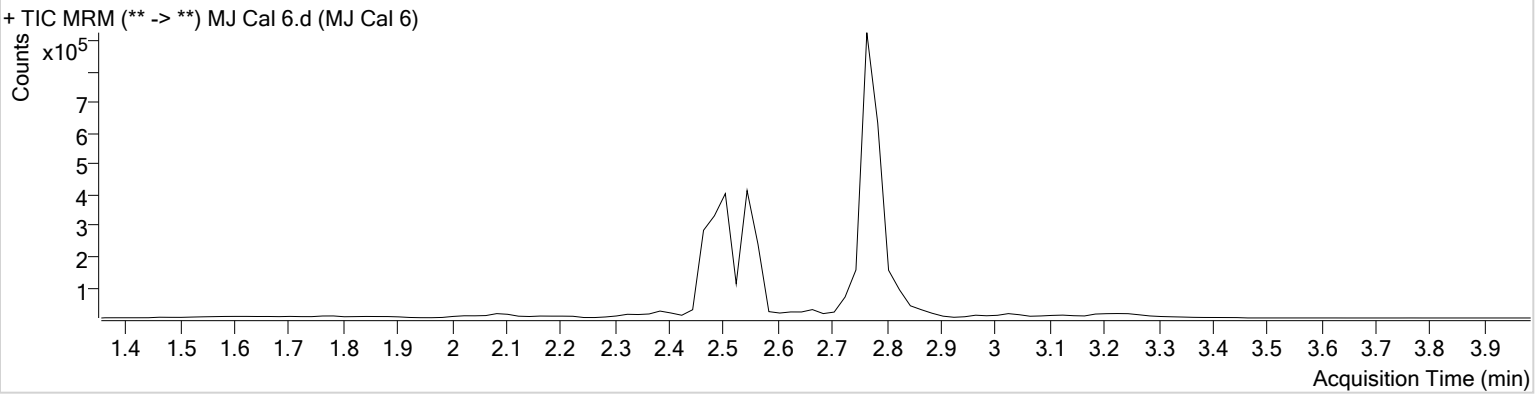

| Name | RT | Resp. | ISTD Resp. | Final Conc. |
|---|---|---|---|---|
| THC | 2.839 | 16904 | 102255 | 23.8910 ng/ml |
| THC-COOH | 2.545 | 184224 | 107493 | 76.3384 ng/ml |
| THC-OH | 2.512 | 28955 | 566740 | 24.3818 ng/ml |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **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** | P2-F1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:28:05 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



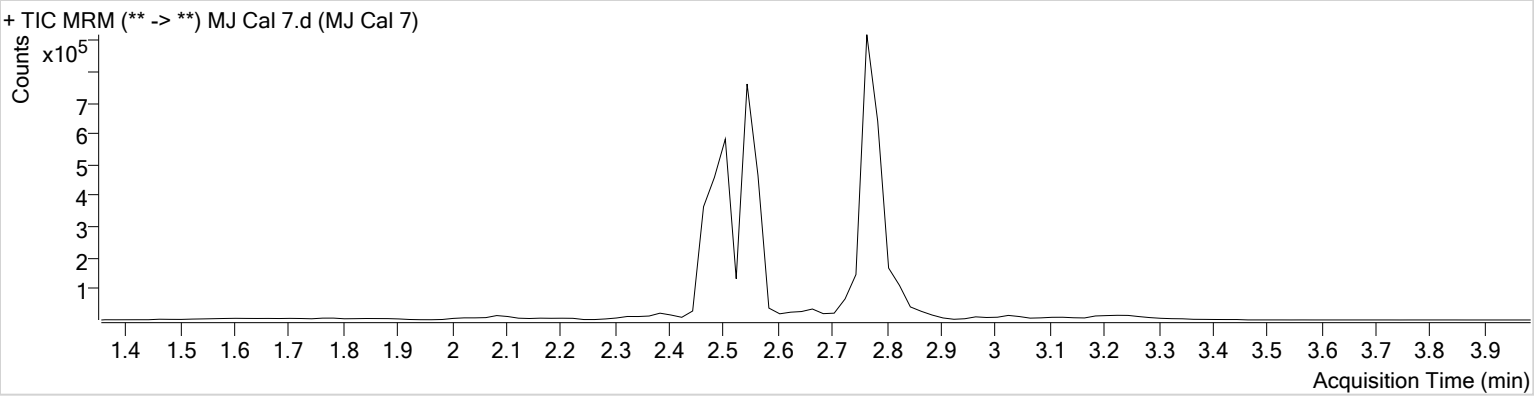

| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.839 | 35763 | 106439 | 47.5075 | ng/ml |
| THC-COOH | 2.545 | 280688 | 118777 | 102.5134 | ng/ml |
| THC-OH | 2.512 | 61776 | 598975 | 49.3729 | ng/ml |

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\AM 25-26 062420 CS\QuantResults\THCS.batch.bin
**Calibration Last Update** 7/1/2020 9:51:58 AM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 7.d |
| **Type** | Cal | **Sample** | MJ Cal 7 |
| **Acq. Method** | am 26 test.m | **Operator** | Celena Shrum |
| **Sample Position** | P2-G1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 6/24/2020 1:34:35 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.839 | 71625 | 96800 | 103.3970 | ng/ml |
| THC-COOH | 2.545 | 566604 | 94504 | 248.9388 | ng/ml |
| THC-OH | 2.512 | 117806 | 557167 | 101.3769 | ng/ml |