8/27/2020

**REVIEWED**
*By Sarah Pickle at 2:20 pm, Aug 27, 2020*

TS

**Worklist: 4453**

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| M2020-3036 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| M2020-3037 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2155 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2169 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2169 | 2 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2170 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2170 | 2 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2247 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2273 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2310 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2374 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2437 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2461 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2469 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2486 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2487 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2495 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2496 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2504 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2505 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2506 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |

**Worklist: 4453**

TS

| LAB_CASE | ITEM | ITEM_TYPE | DESCRIPTION |
|---|---|---|---|
| P2020-2508 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2509 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2510 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| P2020-2511 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |

TS

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

Extraction Date: 08/26/2020 Analyst: Tamara Salazar
Plate Item #: IDP-107-2 Plate Lot#: 200511 Plate Expiration: 11/11/2020

**Mobile phase A**: 10mM Amm Form 0.5M Ammonium Hydroxide
**Mobile phase B:** 0.1% Formic Acid in MeOH Ethyl Acetate LC Methanol
**Blank Blood Lot**: Hemostat 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. Pipette **250µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: 42**
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer ~**300µL of blood+base** 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)***
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 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.
☒ 16. Reconstitute in **100µL 20% LC MeOH in Water** 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 5 or greater, or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? Y / N _____
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

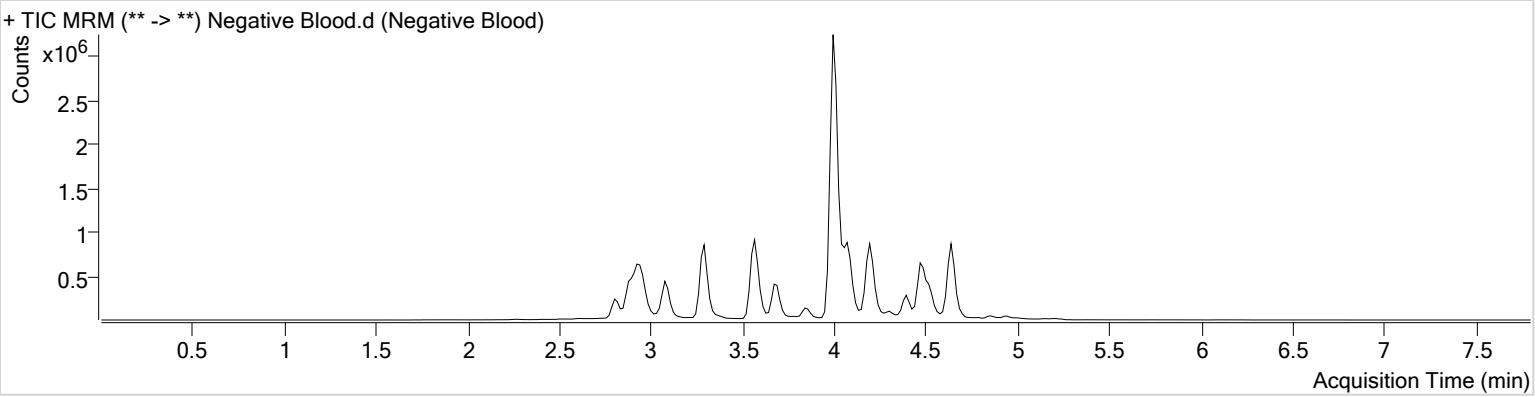
TS

# AM #25 Multi-Drug Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 25_MDS.batch.bin |
| **Calibration Last Update** | 8/27/2020 1:49:15 PM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | Negative Blood.d |
| **Type** | Sample | **Sample** | Negative Blood |
| **Acq. Method** | AM 25 061720.m | **Operator** | Tamara Salazar |
| **Sample Position** | P1-E1 | **Comment** | |
| **Injection Volume** | 5 | | |
| **Acq. Date-Time** | 8/26/2020 3:55:00 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



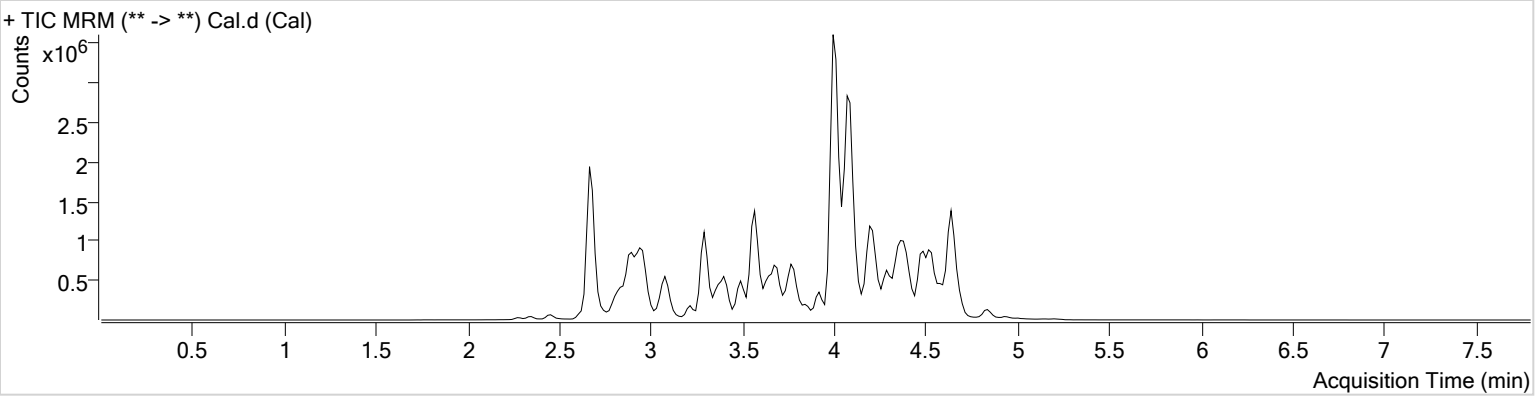
TS

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 25_MDS.batch.bin
**Calibration Last Update** 8/27/2020 1:49:15 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | Cal.d |
| **Type** | Cal | **Sample** | Cal |
| **Acq. Method** | AM 25 061720.m | **Operator** | Tamara Salazar |
| **Sample Position** | P1-A1 | **Comment** | |
| **Injection Volume** | 5 | | |
| **Acq. Date-Time** | 8/26/2020 3:46:30 PM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|---|---|---|---|---|---|---|
| 6-MAM | 2.877 | 4632 | 4065.61 | 162.98 | 129958 | 10.0000 |
| 7-aminoclonazepam | 3.584 | 136293 | 336.55 | 8989.84 | 563134 | 10.0000 |
| 7-aminoflunitrazepam | 3.799 | 214842 | 71341.78 | 25553.08 | 563134 | 10.0000 |
| Acetyl Fentanyl | 3.780 | 27168 | ∞ | 15072.69 | 2546302 | 10.0000 |
| Acetyl Norfentanyl | 2.886 | 24163 | 59.84 | 5311.10 | 2546302 | 10.0000 |
| a-hydroxyalprazolam | 4.500 | 26394 | 5.60 | 14053.89 | 563134 | 10.0000 |
| alpha-hydroxymidazolam | 4.576 | 159168 | ∞ | 8294.80 | 563134 | 10.0000 |
| Alpha-PHP | 3.773 | 231858 | 173.36 | 40.86 | 2546302 | 10.0000 |
| alpha-PVP | 3.513 | 354541 | 140.27 | 103.92 | 629090 | 10.0000 |
| Alprazolam | 4.626 | 252121 | 177.57 | 58.41 | 2423859 | 10.0000 |
| Amitriptyline | 4.400 | 278940 | ∞ | ∞ | 690793 | 10.0000 |
| Amphetamine | 2.844 | 284389 | 131.12 | 168.51 | 629090 | 10.0000 |
| Benzoylecgonine | 3.385 | 68322 | 157.52 | 7.06 | 27828 | 10.0000 |
| Brompheniramine | 4.011 | 5717 | 30.83 | 51.49 | 4664161 | 10.0000 |
| Buprenorphine | 4.205 | 50814 | 88.68 | 3597.17 | 218476 | 10.0000 |
| Bupropion | 3.697 | 345828 | ∞ | 2310.39 | 1194846 | 10.0000 |
| Carbamazepine | 4.219 | 834747 | 224.33 | 223.97 | 119174 | 10.0000 |
| Carisoprodol | 4.202 | 112684 | 42045.70 | 19.23 | 676772 | 10.0000 |
| Chlordiazepoxide | 4.689 | 94447 | 11.45 | 670.25 | 2423859 | 10.0000 |
| Chlorpheniramine | 3.923 | 1695 | ∞ | ∞ | 4664161 | 10.0000 |
| Citalopram | 4.040 | 258613 | 148.97 | 59193.48 | 4664161 | 10.0000 |
| Clomipramine | 4.579 | 366397 | 26128.19 | 424.07 | 4664161 | 10.0000 |
| Clonazepam | 4.425 | 206827 | 10628.77 | 55115.87 | 2423859 | 10.0000 |
| Clonazolam | 4.360 | 118058 | 16487.56 | ∞ | 2423859 | 10.0000 |
| Cocaethylene | 3.780 | 415799 | 33013.44 | 188228.85 | 2466697 | 10.0000 |
| Cocaine | 3.567 | 432535 | 168.55 | 7823.04 | 2466697 | 10.0000 |
| Codeine | 2.790 | 26593 | 26908.35 | 30.55 | 863596 | 10.0000 |
| Cyclobenzaprine | 4.324 | 250686 | 162480.86 | 37.33 | 690793 | 10.0000 |
| Desipramine | 4.340 | 462523 | 360.03 | 180.47 | 690793 | 10.0000 |
| Dextromethorphan | 4.063 | 166254 | 956.70 | 106950.35 | 954219 | 10.0000 |
| Dextrorphan | 3.372 | 198347 | 97709.48 | 1227.13 | 954219 | 10.0000 |
| Diazepam | 4.843 | 156256 | 209.30 | 76.67 | 2423859 | 10.0000 |
| Dihydrocodeine | 2.743 | 68370 | 243.08 | 135.34 | 863596 | 10.0000 |
| Diphenhydramine | 4.002 | 618820 | ∞ | 277.16 | 4664161 | 10.0000 |

TS

# AM #25 Multi-Drug Screen Results

| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|---|---|---|---|---|---|---|
| Doxepin | 4.107 | 158300 | 144.97 | 24.82 | 1799491 | 10.0000 |
| Doxylamine | 3.647 | 756704 | 76182.94 | ∞ | 954219 | 10.0000 |
| EDDP | 4.092 | 613058 | 428416.85 | 144.50 | 335010 | 10.0000 |
| Estazolam | 4.536 | 591283 | 236.85 | 208.93 | 2423859 | 10.0000 |
| Etizolam | 4.652 | 25914 | 32744.28 | 239.44 | 2423859 | 10.0000 |
| Fentanyl | 4.009 | 20292 | 119.12 | 4324.12 | 1300639 | 10.0000 |
| Flualprazolam | 4.500 | 79022 | 255.37 | 94124.98 | 2423859 | 10.0000 |
| Flunitrazepam | 4.549 | 317400 | 1752.68 | 91441.04 | 2423859 | 10.0000 |
| Fluoxetine | 4.288 | 284299 | 140768.98 | 92.84 | 764157 | 10.0000 |
| Flurazepam | 4.114 | 207243 | 128671.64 | 360.57 | 2423859 | 10.0000 |
| Hydrocodone | 2.973 | 123374 | ∞ | ∞ | 863596 | 10.0000 |
| Hydromorphone | 2.457 | 92442 | 36.14 | 1524.63 | 12765 | 10.0000 |
| Imipramine | 4.353 | 480584 | 1183324.27 | 134.91 | 690793 | 10.0000 |
| Ketamine | 3.374 | 292459 | 131.11 | 28.01 | 1109245 | 10.0000 |
| Lamotrigine | 3.495 | 20713 | 12.58 | 30.00 | 4664161 | 10.0000 |
| Levamisole | 2.947 | 216345 | 57.47 | 102.35 | 2466697 | 10.0000 |
| Levetiracetam | 2.629 | 95555 | 112.14 | 96.57 | 4664161 | 10.0000 |
| Lorazepam | 4.424 | 57510 | 25265.07 | 44.60 | 2423859 | 10.0000 |
| Maprotiline | 4.400 | 342288 | 34.13 | ∞ | 690793 | 10.0000 |
| MDA | 2.979 | 168886 | 57.23 | 17.31 | 1249710 | 10.0000 |
| MDEA | 3.223 | 293701 | 211.64 | 57.65 | 1249710 | 10.0000 |
| MDMA | 3.070 | 345219 | 145.57 | 115.63 | 1249710 | 10.0000 |
| Meperidine | 3.557 | 202914 | 172.06 | ∞ | 954219 | 10.0000 |
| Meprobamate | 3.637 | 44436 | 18965.57 | 61.21 | 676772 | 10.0000 |
| Methadone | 4.380 | 497096 | 488.95 | 63.92 | 335010 | 10.0000 |
| Methamphetamine | 2.965 | 344952 | ∞ | 124.12 | 1249710 | 10.0000 |
| Methocarbamol | 3.558 | 52562 | 325.78 | 155.54 | 335010 | 10.0000 |
| Methylphenidate | 3.497 | 775102 | ∞ | 138.72 | 1108089 | 10.0000 |
| Metoprolol | 3.433 | 47366 | 23.59 | 2100.22 | 954219 | 10.0000 |
| Midazolam | 4.684 | 58259 | 36321.11 | 651.15 | 2423859 | 10.0000 |
| Mirtazapine | 3.755 | 225817 | 152100.12 | 204.49 | 954219 | 10.0000 |
| Mitragynine | 4.144 | 32073 | 31302.31 | 70936.92 | 954219 | 10.0000 |
| Morphine | 2.276 | 18237 | 154.69 | ∞ | 12765 | 10.0000 |
| Norbuprenorphine | 3.807 | 6113 | 2880.33 | 3365.32 | 218476 | 10.0000 |
| Nordiazepam | 4.677 | 147631 | 223.55 | 1146.57 | 2423859 | 10.0000 |
| Norfentanyl | 3.313 | 528986 | 1529923.39 | 48.60 | 2546302 | 10.0000 |
| Norhydrocodone | 2.929 | 4150 | 1649.46 | 2456.23 | 12765 | 10.0000 |
| Norketamine | 3.375 | 45790 | 20.11 | 126.14 | 1109245 | 10.0000 |
| Normeperidine | 3.574 | 195505 | 122.55 | 39.24 | 4664161 | 10.0000 |
| Noroxycodone | 2.865 | 139592 | 39.19 | 54.64 | 1109245 | 10.0000 |
| Nortriptyline | 4.387 | 159457 | 94693.03 | 63.46 | 690793 | 10.0000 |
| O-desmethyl-tramadol | 2.899 | 575311 | 278.17 | 24.56 | 4664161 | 10.0000 |
| Olanzapine | 3.674 | 72114 | 26.96 | 19.19 | 119174 | 10.0000 |
| Oxazepam | 4.490 | 275297 | 73.00 | ∞ | 1831919 | 10.0000 |
| Oxycodone | 2.894 | 233492 | 74.72 | 86.96 | 1109245 | 10.0000 |
| Oxymorphone | 2.347 | 80240 | ∞ | 59.63 | 12765 | 10.0000 |
| Paroxetine | 4.316 | 46769 | 19155.80 | 9369.96 | 764157 | 10.0000 |
| Phenazepam | 4.621 | 286835 | 194990.05 | 637.30 | 2423859 | 10.0000 |
| Phencyclidine | 3.926 | 286856 | 212168.85 | 82.17 | 954219 | 10.0000 |
| Phentermine | 3.102 | 78948 | ∞ | ∞ | 1108089 | 10.0000 |
| Phenytoin | 4.111 | 231584 | 43784.39 | 188.18 | 119174 | 10.0000 |
| Promethazine | 4.291 | 618410 | 251.62 | 133.86 | 4664161 | 10.0000 |
| Pseudoephedrine | 2.675 | 4893146 | 606.28 | 1698.37 | 1249710 | 10.0000 |
| Quetiapine | 4.283 | 211392 | 261660.69 | 47035.83 | 3731777 | 10.0000 |
| Sertraline | 4.519 | 141674 | 639.90 | 199.15 | 764157 | 10.0000 |
| Sufentanil | 4.283 | 16947 | 1231.51 | 26.27 | 2546302 | 10.0000 |
| Tapentadol | 3.406 | 356286 | 154.98 | 220.27 | 1109245 | 10.0000 |
| Temazepam | 4.643 | 448099 | 453.59 | 34.03 | 2423859 | 10.0000 |
| Tramadol | 3.402 | 680669 | ∞ | ∞ | 4664161 | 10.0000 |
| Trazodone | 4.222 | 382710 | 713.08 | 77.39 | 1799491 | 10.0000 |

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# AM #25 Multi-Drug Screen Results

| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|---|---|---|---|---|---|---|
| Venlafaxine | 3.769 | 607246 | 631.33 | 58.80 | 764157 | 10.0000 |
| Zaleplon | 4.351 | 346952 | 20646.16 | 441.99 | 3731777 | 10.0000 |
| Zolpidem | 4.012 | 702745 | 2713.62 | 81.04 | 3731777 | 10.0000 |
| Zopiclone | 3.853 | 49998 | 49.79 | 68.52 | 352153 | 10.0000 |

TS

# AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 08/26/2020 Analyst: Tamara Salazar

Plate lot# IDP-108-2, 200303 Plate Expiration: 09-03-2020

**Mobile phase A**: 10mM Ammonium Formate 0.1% Formic Acid in Water **Mobile phase B:** 0.1% Formic acid in MeOH MTBE Hexane
**Blank Blood Lot**: 445283-4 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)
**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 **1000 µL blood** 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 **500 µL 0.1% formic acid in water** for blood samples in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer 8**00 µL of blood+acid** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)***
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25 mL 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 **2.25 mL 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.
☒ 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. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
☒ 3. Retention time within +/- 2% or +/-.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Y / N
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

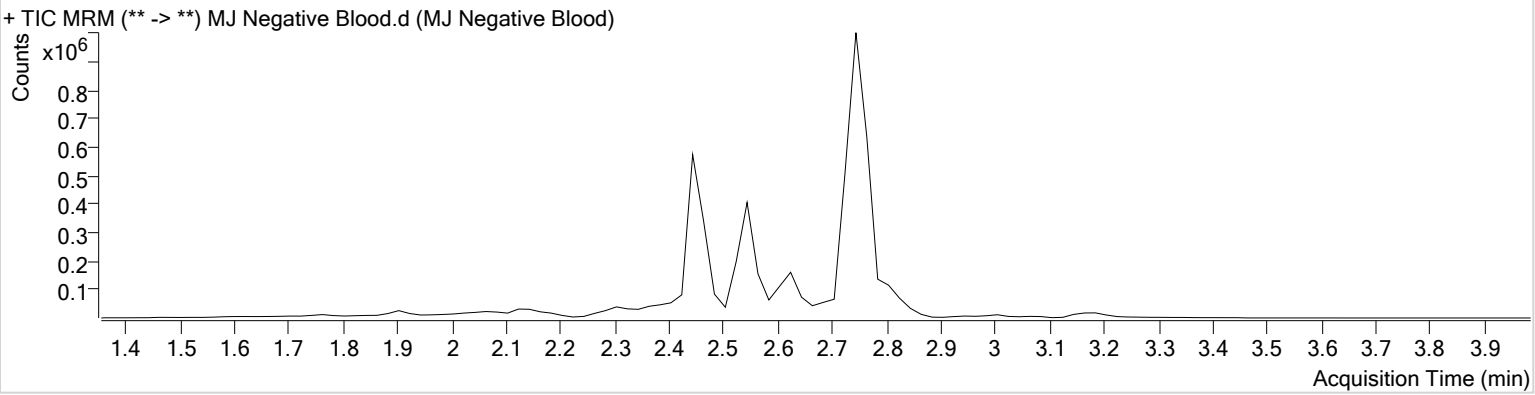
TS

# AM #26 Cannabinoids Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Calibration Last Update** | 8/26/2020 2:50:21 PM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Negative Blood.d |
| **Type** | Sample | **Sample** | MJ Negative Blood |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-A2 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:58:21 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**



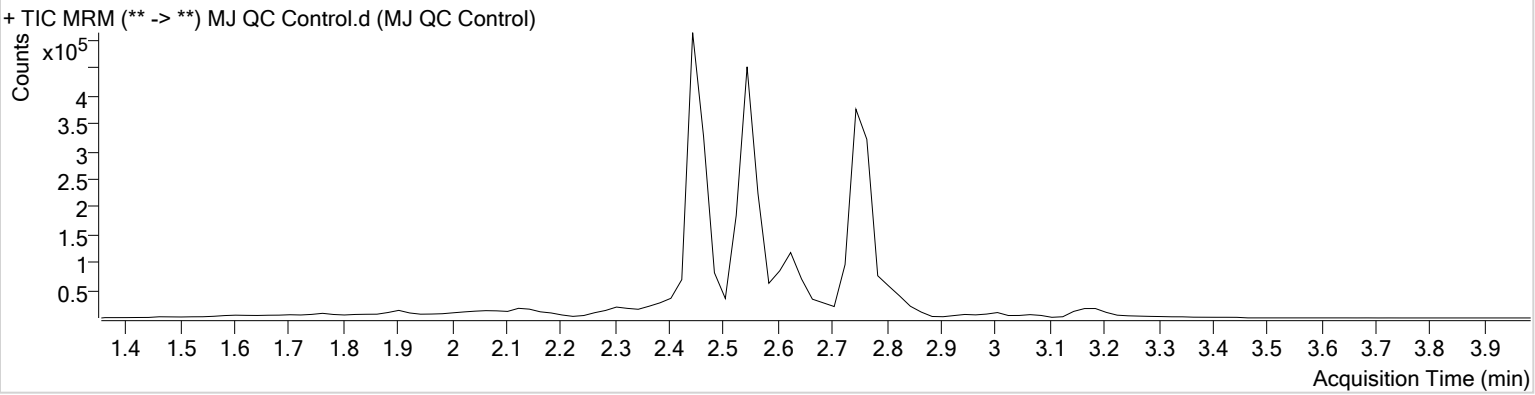
TS

# AM #26 Cannabinoids Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Calibration Last Update** | 8/26/2020 2:50:21 PM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ QC Control.d |
| **Type** | Sample | **Sample** | MJ QC Control |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-H1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:45:18 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**

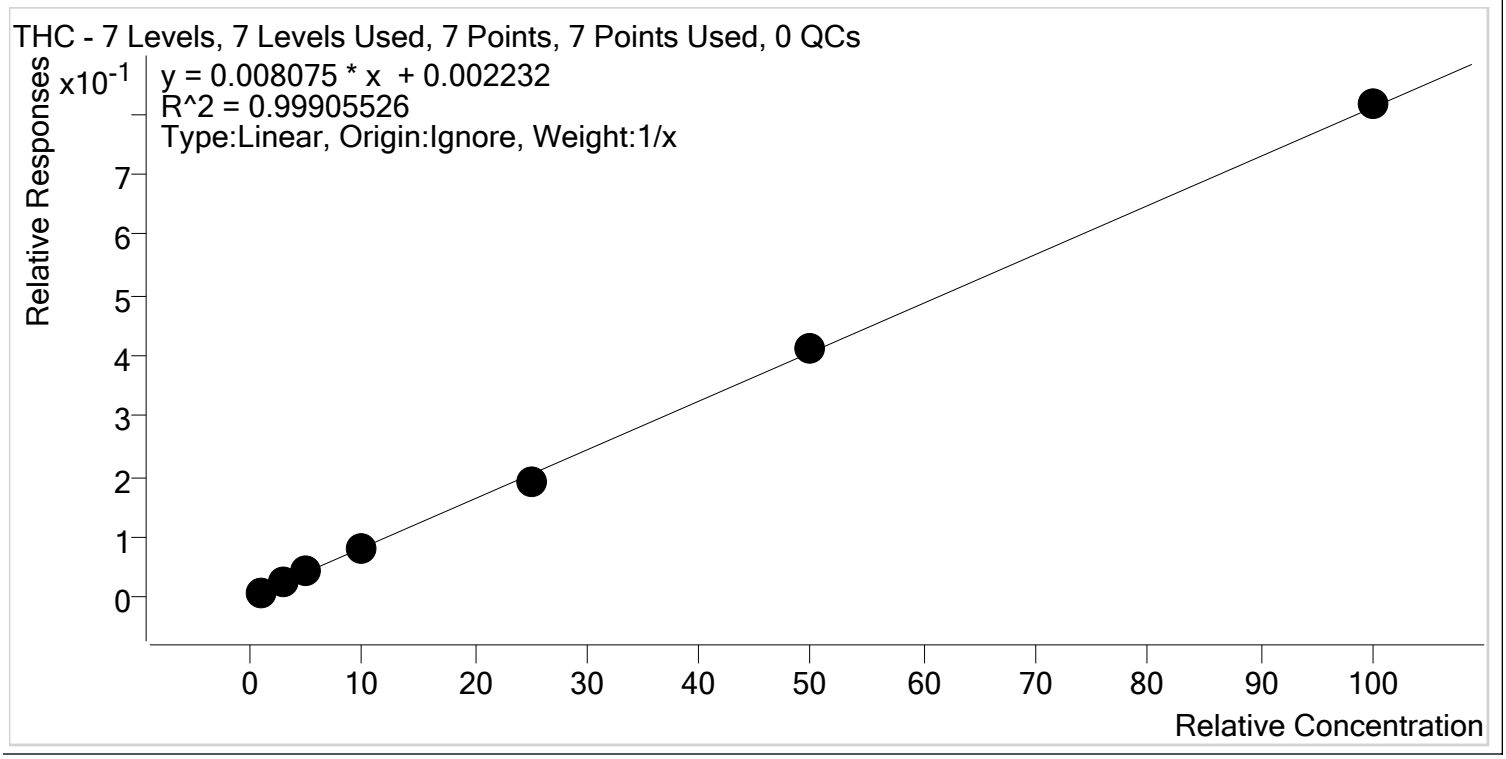



| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.819 | 2298 | 55069 | 4.8922 | ng/ml |
| THC-COOH | 2.565 | 174237 | 483516 | 15.1258 | ng/ml |
| THC-OH | 2.451 | 71031 | 993242 | 4.7441 | ng/ml |

TS

# AM #26 Cannabinoids Screen Calibration Curve Report

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Last Cal. Update** | 8/26/2020 2:50 PM |
| **Analyst Name** | ISP\datastor |
| **Analyte** | THC |
| **Internal Standard** | THC-D3 |

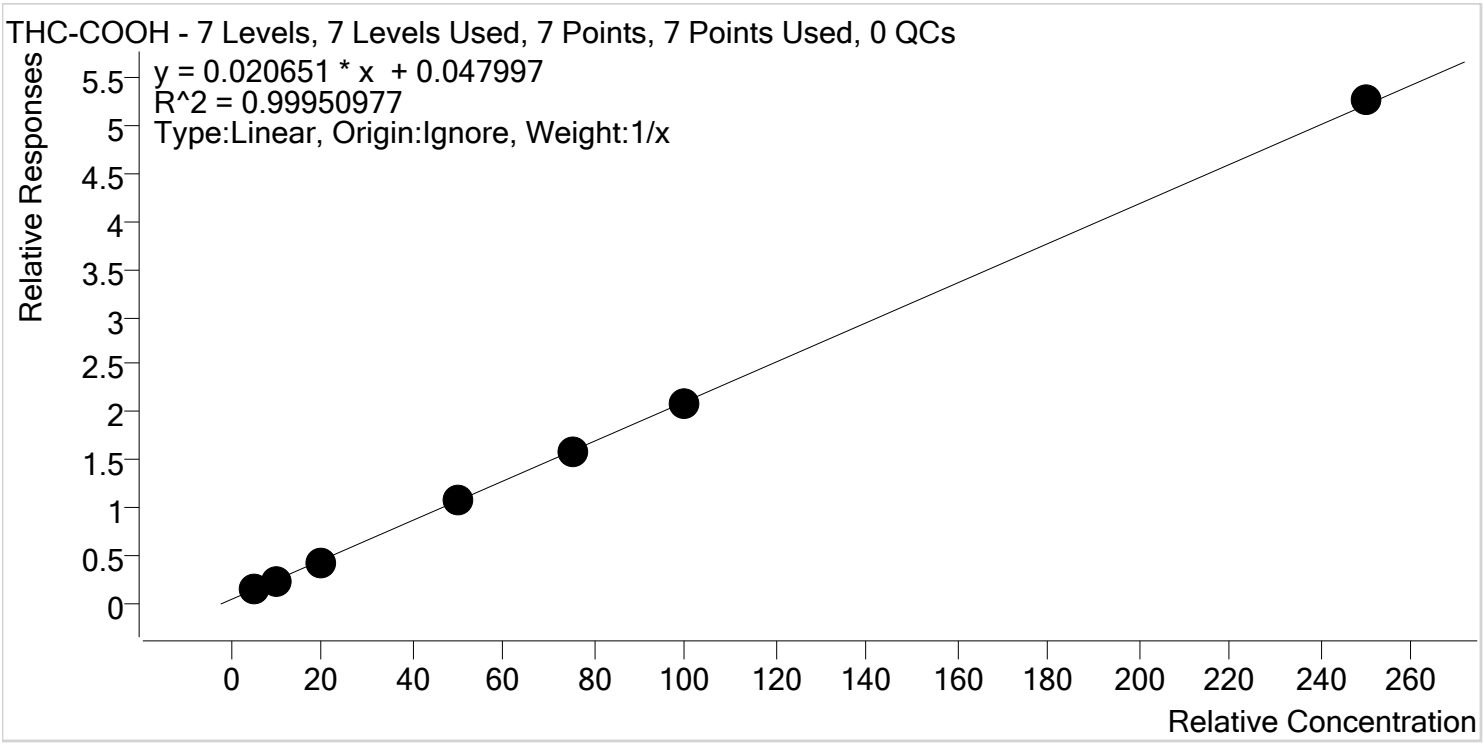



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| MJ Cal 1 | 1 | ✔ | 1.0 | 0.9 | 90.5 |
| MJ Cal 2 | 2 | ✔ | 3.0 | 3.4 | 113.9 |
| MJ Cal 3 | 3 | ✔ | 5.0 | 5.2 | 103.1 |
| MJ Cal 4 | 4 | ✔ | 10.0 | 9.6 | 95.5 |
| MJ Cal 5 | 5 | ✔ | 25.0 | 23.8 | 95.3 |
| MJ Cal 6 | 6 | ✔ | 50.0 | 50.5 | 101.0 |
| MJ Cal 7 | 7 | ✔ | 100.0 | 100.6 | 100.6 |

TS

# AM #26 Cannabinoids Screen Calibration Curve Report

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Last Cal. Update** | 8/26/2020 2:50 PM |
| **Analyst Name** | ISP\datastor |
| **Analyte** | THC-COOH |
| **Internal Standard** | THC-COOH-D9 |

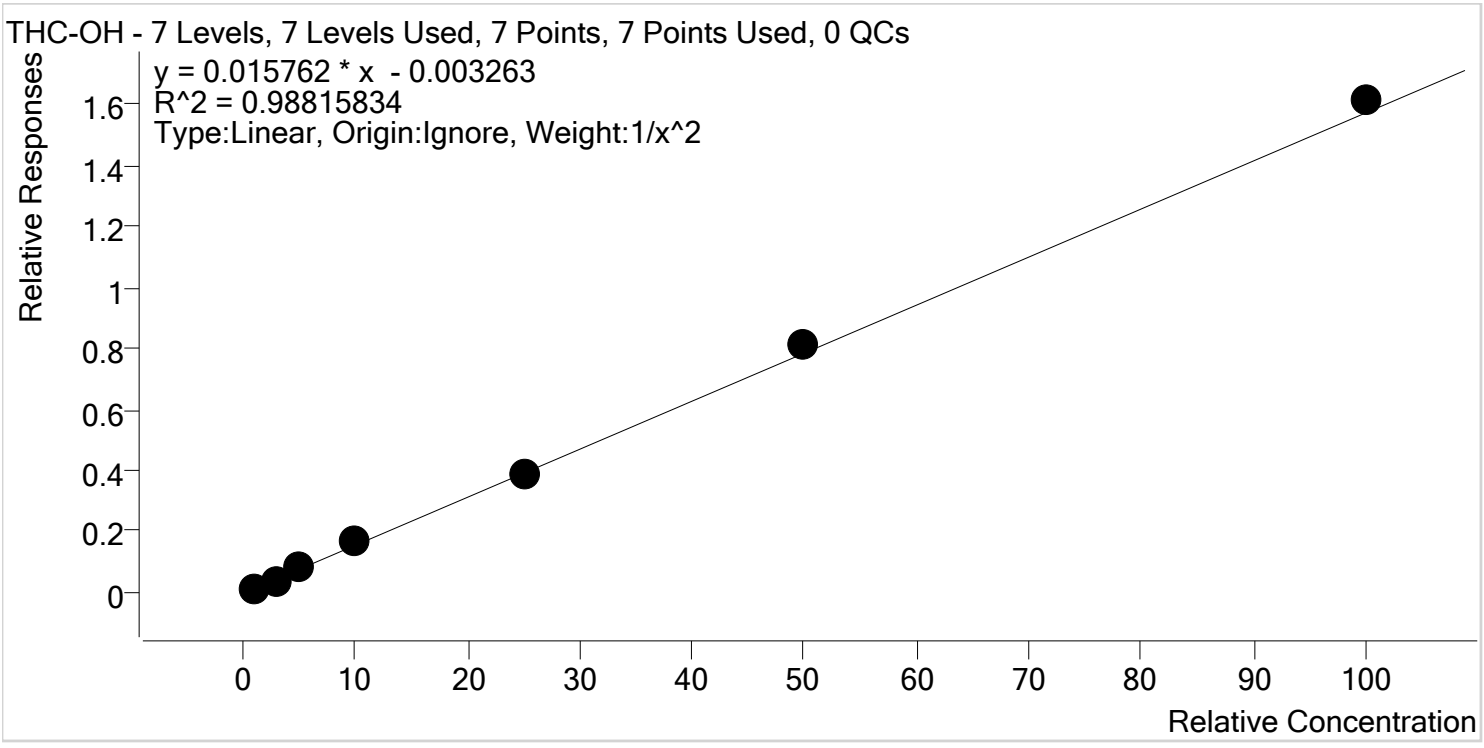



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|---|---|---|---|---|---|
| MJ Cal 1 | 1 | ✔ | 5.0 | 5.6 | 112.0 |
| MJ Cal 2 | 2 | ✔ | 10.0 | 9.4 | 94.1 |
| MJ Cal 3 | 3 | ✔ | 20.0 | 19.0 | 94.9 |
| MJ Cal 4 | 4 | ✔ | 50.0 | 49.6 | 99.2 |
| MJ Cal 5 | 5 | ✔ | 75.0 | 74.5 | 99.3 |
| MJ Cal 6 | 6 | ✔ | 100.0 | 99.6 | 99.6 |
| MJ Cal 7 | 7 | ✔ | 250.0 | 252.3 | 100.9 |

TS

# AM #26 Cannabinoids Screen Calibration Curve Report

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Last Cal. Update** | 8/26/2020 2:50 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 | ✔ | 1.0 | 1.1 | 105.5 |
| MJ Cal 2 | 2 | ✔ | 3.0 | 2.4 | 79.1 |
| MJ Cal 3 | 3 | ✔ | 5.0 | 5.2 | 104.0 |
| MJ Cal 4 | 4 | ✔ | 10.0 | 10.6 | 106.3 |
| MJ Cal 5 | 5 | ✔ | 25.0 | 24.8 | 99.1 |
| MJ Cal 6 | 6 | ✔ | 50.0 | 51.7 | 103.4 |
| MJ Cal 7 | 7 | ✔ | 100.0 | 102.6 | 102.6 |

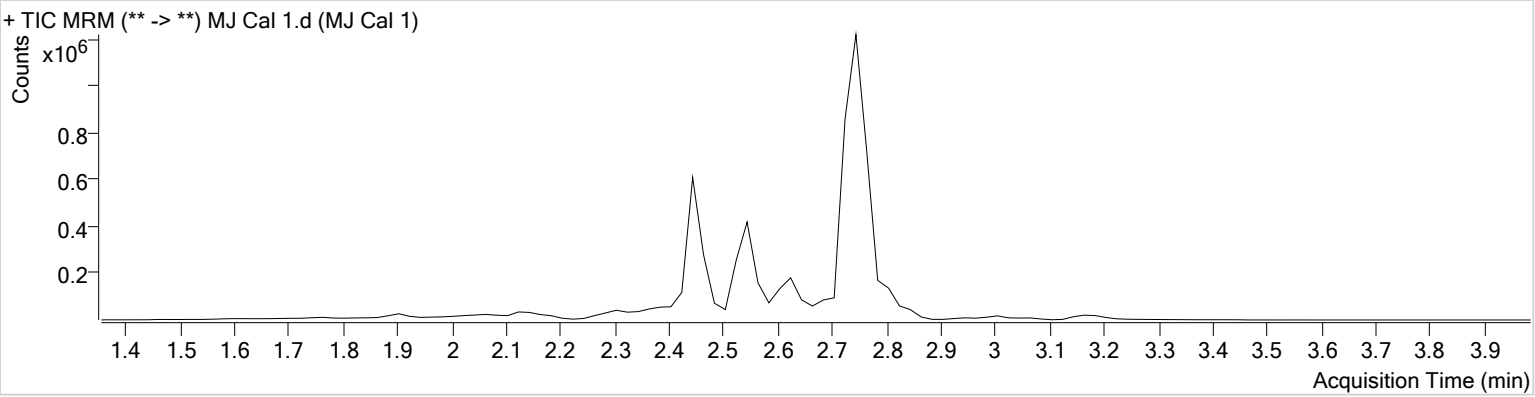
TS

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin
**Calibration Last Update** 8/26/2020 2:50:21 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 1.d |
| **Type** | Cal | **Sample** | MJ Cal 1 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-A1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 10:59:31 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | | |
|---|---|---|---|---|---|---|
| THC | 2.819 | 1271 | 133229 | 0.9049 | ng/ml | Low |
| THC-COOH | 2.545 | 96519 | 589851 | 5.5996 | ng/ml | |
| THC-OH | 2.451 | 14323 | 1072056 | 1.0546 | ng/ml | Low |

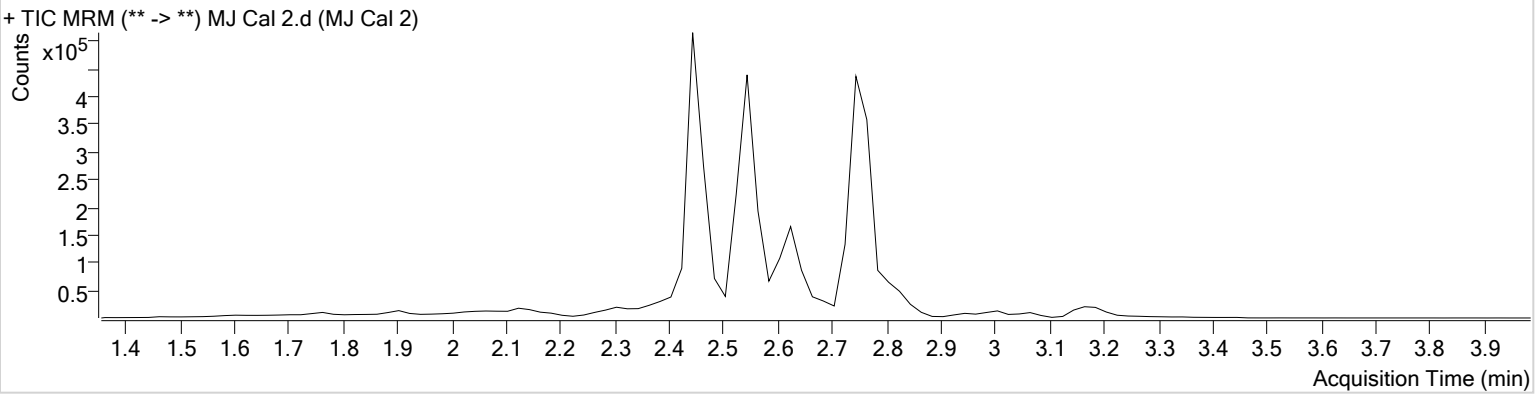
TS

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin
**Calibration Last Update** 8/26/2020 2:50:21 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 2.d |
| **Type** | Cal | **Sample** | MJ Cal 2 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-B1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:06:11 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | | |
|---|---|---|---|---|---|---|
| THC | 2.819 | 1681 | 56333 | 3.4178 | ng/ml | |
| THC-COOH | 2.545 | 143910 | 594018 | 9.4074 | ng/ml | |
| THC-OH | 2.451 | 33184 | 971357 | 2.3744 | ng/ml | **Low** |

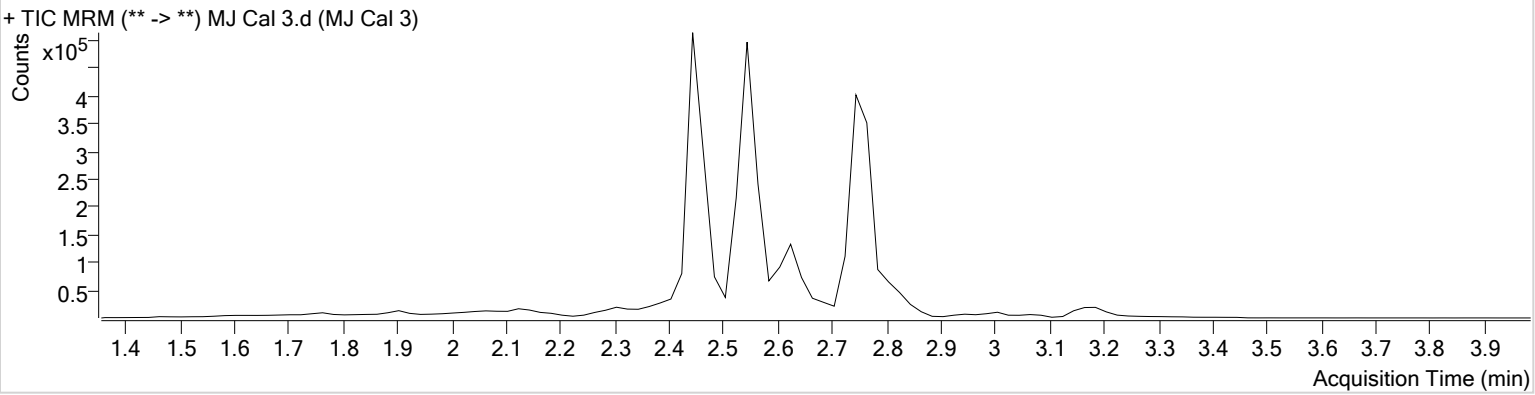
TS

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin
**Calibration Last Update** 8/26/2020 2:50:21 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 3.d |
| **Type** | Cal | **Sample** | MJ Cal 3 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-C1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:12:44 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.819 | 2734 | 62336 | 5.1548 | ng/ml |
| THC-COOH | 2.545 | 246172 | 559724 | 18.9734 | ng/ml |
| THC-OH | 2.451 | 75455 | 958946 | 5.1991 | ng/ml |

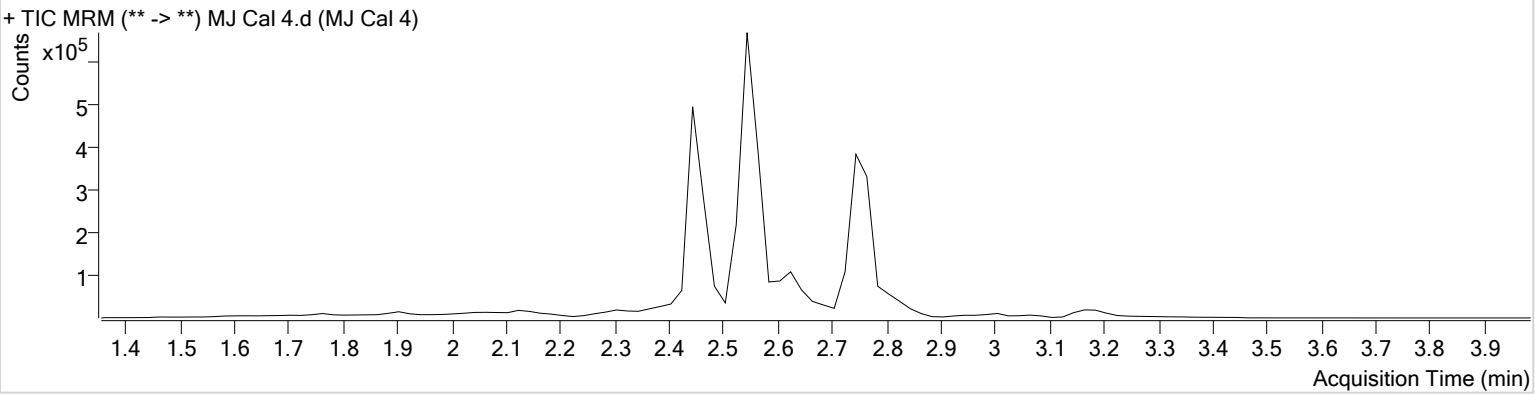
TS

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin
**Calibration Last Update** 8/26/2020 2:50:21 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 4.d |
| **Type** | Cal | **Sample** | MJ Cal 4 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-D1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:19:15 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.819 | 4222 | 53186 | 9.5535 | ng/ml |
| THC-COOH | 2.545 | 546570 | 509569 | 49.6167 | ng/ml |
| THC-OH | 2.451 | 139587 | 849262 | 10.6347 | ng/ml |

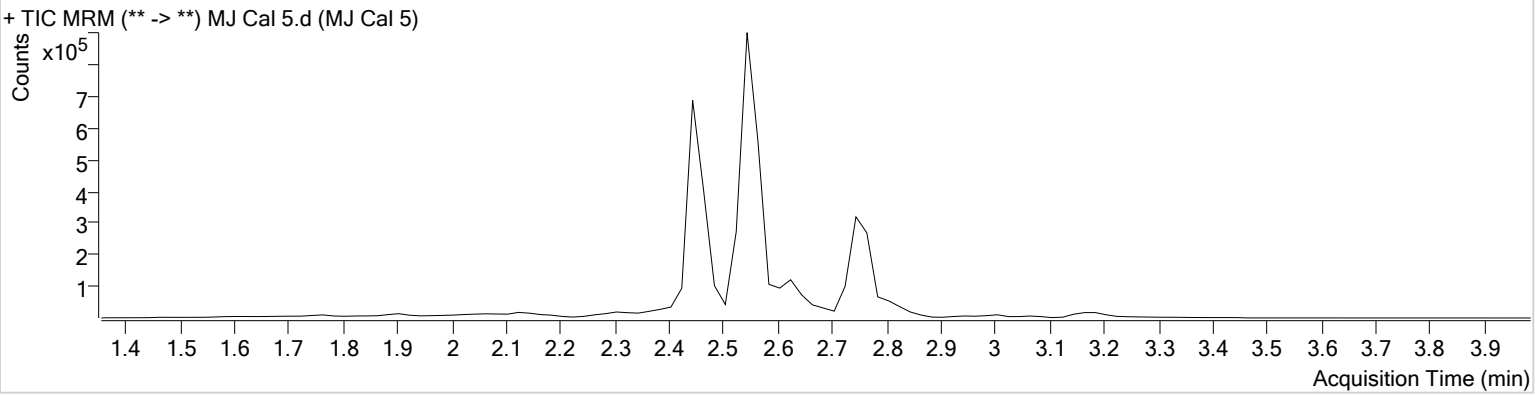
TS

# AM #26 Cannabinoids Screen Results

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Calibration Last Update** | 8/26/2020 2:50:21 PM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 5.d |
| **Type** | Cal | **Sample** | MJ Cal 5 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-E1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:25:46 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. |
|---|---|---|---|---|
| THC | 2.819 | 9342 | 47996 | 23.8263 ng/ml |
| THC-COOH | 2.545 | 856645 | 540043 | 74.4895 ng/ml |
| THC-OH | 2.451 | 385792 | 996468 | 24.7696 ng/ml |

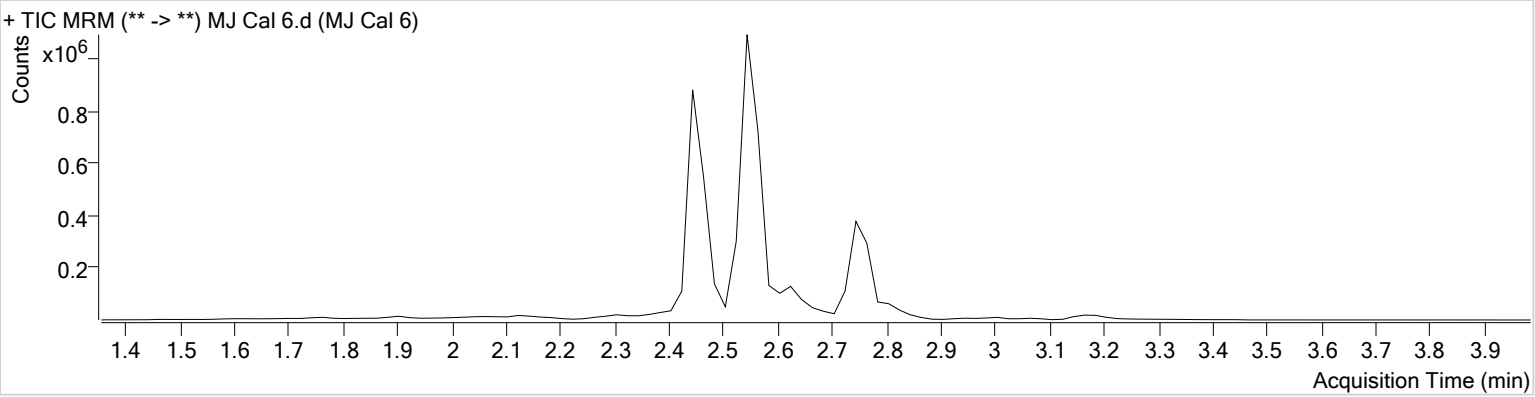
# AM #26 Cannabinoids Screen Results

TS

| | |
|---|---|
| **Batch results** | D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin |
| **Calibration Last Update** | 8/26/2020 2:50:21 PM |

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 6.d |
| **Type** | Cal | **Sample** | MJ Cal 6 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-F1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:32:16 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.819 | 20091 | 48992 | 50.5080 | ng/ml |
| THC-COOH | 2.545 | 1148552 | 545786 | 99.5805 | ng/ml |
| THC-OH | 2.451 | 799567 | 985205 | 51.6958 | ng/ml |

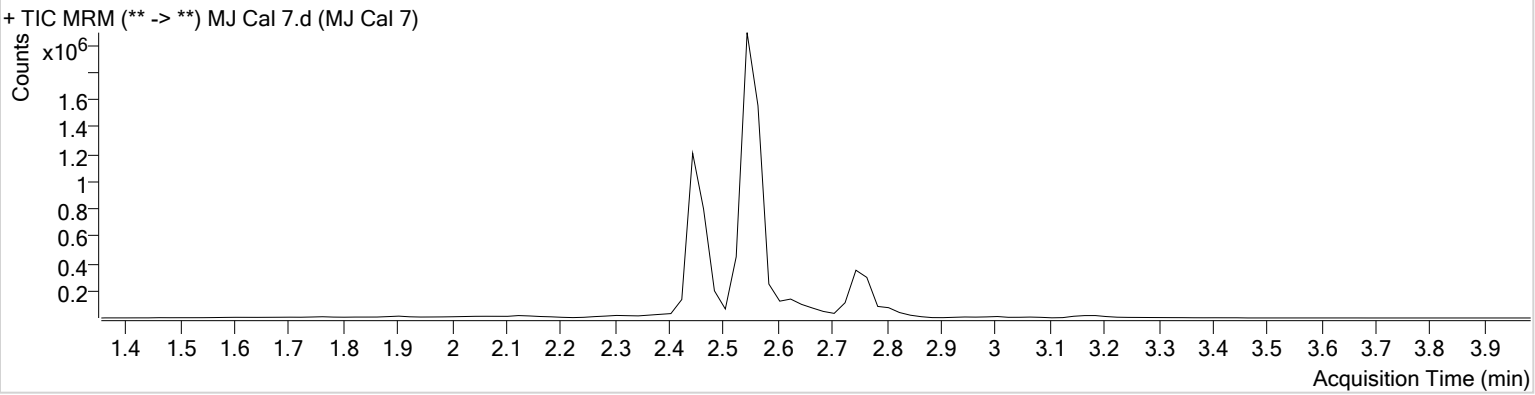
TS

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2020\AM 25-26\08262020 AM 25 26 worklist 4453 TS\QuantResults\AM 26_THCS.batch.bin
**Calibration Last Update** 8/26/2020 2:50:21 PM

| | | | |
|---|---|---|---|
| **Instrument** | Falco | **Data File** | MJ Cal 7.d |
| **Type** | Cal | **Sample** | MJ Cal 7 |
| **Acq. Method** | am 26 test.m | **Operator** | Tamara Salazar |
| **Sample Position** | P3-G1 | **Comment** | |
| **Injection Volume** | 10 | | |
| **Acq. Date-Time** | 8/26/2020 11:38:47 AM | | |
| **Sample Info.** | | | |

**Sample Chromatogram**




| Name | RT | Resp. | ISTD Resp. | Final Conc. | |
|---|---|---|---|---|---|
| THC | 2.819 | 41506 | 50936 | 100.6349 | ng/ml |
| THC-COOH | 2.545 | 2725911 | 518349 | 252.3329 | ng/ml |
| THC-OH | 2.451 | 1558091 | 965484 | 102.5911 | ng/ml |