REVIEWED By Sarah Collins at 11:16 am, Aug 23, 2023

Worklist: 6471

| LAB CASE | <u>ITEM</u> | ITEM TYPE | DESCRIPTION |
|------------|-------------|-----------|--|
| C2023-1725 | 1 | UCK | AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ |
| C2023-1735 | 1 | UCK | AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ |
| C2023-1739 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1741 | 3 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1748 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1750 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1766 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1767 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1779 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1815 | 3 | UCK | AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ |
| C2023-1816 | 1 | COBCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1821 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1832 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1874 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1875 | 1 | ВСК | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1890 | 1 | UCK | AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ |
| C2023-1904 | 1 | BCK | AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ |
| C2023-1906 | 1 | UCK | AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ |

C2023-1449-1, C2023-1726-1 and M2023-2977-2 were also included with the batch for AM 25.

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

Extraction Date: 08/17/23 Analyst: Anne Nord Plate lot#: 230712 Plate retest date: 1/12/2023 4

Mobile phase A:10mM Ammonium FormateMobile phase B:0.1% Formic Acid in MeOH0.5M Ammonium HydroxideEthyl AcetateLC 20% MethanolBlank Blood Lot:23C57106Blank Urine lot:8423Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)LCMS-QQQ ID:69679

Pre-Analytic:

- \boxtimes 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- \boxtimes 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.
- Z. Urine hydrolysis pipette: 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer mix for at least five minutes ambient temperature.
 Pipette 250 μL blood (calibrated pipette) or 250 ul urine in wells of analytical (standards) plate. Pipette ID: 390993
- 3. Pipette 250 μL of 0.5 M ammonium hydroxide in wells of analytical plate.
- ☑ 4. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- S. Transfer **300 μL of blood or urine+base** mixture to corresponding wells of SLE+ plate.
- 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: 66792
- \boxtimes 7. Wait 5 minutes.
- \boxtimes 8. Add 900 µL ethyl acetate.
- \boxtimes 9. Wait 5 minutes.
- ☑ 10. Apply positive pressure for approx. 10-15 seconds. (12-15 PSI- Selector to the left).
- \boxtimes 11. Add **900 \muL ethyl acetate.**
- \boxtimes 12. Wait 5 minutes.
- ☑ 13. Apply positive pressure for approx. 10-15 seconds. (12-15 PSI- Selector to the left).
- ☑ 14. Remove plate containing eluate. add 50 ul 1% HCl in MeOH Place on SPE Dry and evaporate to dryness at approx. 35°C.

SPE Dry ID: 66819

 I5. Reconstitute in 100 μL 20% LC MeOH in LC Water and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- \boxtimes 1. Open quantitation software and create a new quantitation batch.
- \boxtimes 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.
- \boxtimes 4. Did all QCs pass for each analyte? (If no is it described in comments?)
- S. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

When the run was started some compounds were outside the acquisition window, the acquisition method was updated and the samples that had been run were re-injected and evaluated.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---------------------|--------|-------------------|---|---|---|---|---|---|----|----|--------|
| А | Cal 1 | 1741-3 | negative urine | | | | | | | | | 1725-1 |
| В | | 1748-1 | m2023- 2977-2 | | | | | | | | | 1815-3 |
| с | internal control | 1750-1 | 1874-1 | | | | | | | | | 1890.1 |
| D | | 1766-1 | 1779-1 | | | | | | | | | 1735-1 |
| E | negative blood | 1767-1 | 1875-1 | | | | | | | | | |
| F | 1449-1 | 1816-1 | 1904-1 | | | | | | | | | |
| G | 1726-1 | 1821-1 | 1906-1 | | | | | | | | | |
| н | 1739-1 | 1832-1 | | | | | | | | | | |
| | | | | | | | | | | | | |

C2023-___-

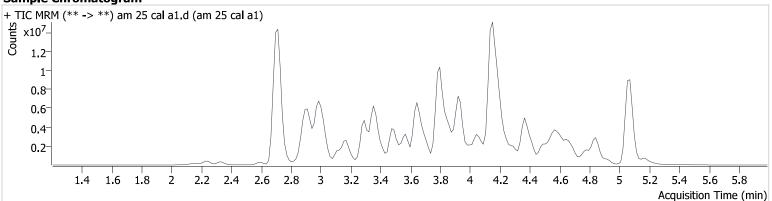
plate position 2

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\mds.batch.binCalibration Last Update8/22/2023 2:43:42 PM

| Instrument | 69679 |
|------------------|----------------|
| Туре | Cal |
| Acq. Method | mds713.m |
| Sample Position | P2-A1 |
| Injection Volume | 2.5 |
| Acq. Date-Time | 8/17/2023 4:50 |
| Sample Info. | |

m 23 4:50:12 PM Data File Sample Operator Comment am 25 cal a1.d am 25 cal a1 Anne Nord

Sample Chromatogram



| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|------------------------|-------|---------|-----------|----------|------------|-------------|
| 10-OH-Carbamazepine | 3.851 | 696801 | 7007.0 | 30.9 | 649102 | 10.000 |
| 6-MAM | 2.847 | 27926 | 40829.3 | 11698.0 | 1051678 | 10.000 |
| 7-aminoclonazepam | 3.586 | 169731 | 77306.3 | 157459.7 | 1487527 | 10.000 |
| 7-aminoflunitrazepam | 3.817 | 729732 | 601.8 | 100140.3 | 1487527 | 10.000 |
| 9-Hydroxyrisperidone | 3.933 | 3454243 | 1143198.4 | 326948.1 | 1487527 | 10.000 |
| Acetyl Fentanyl | 3.798 | 183640 | 938.8 | 28404.0 | 8707231 | 10.000 |
| Acetyl Norfentanyl | 2.887 | 156281 | 243028.5 | 53.0 | 14140534 | 10.000 |
| a-hydroxyalprazolam | 4.690 | 83290 | 72.6 | 17706.6 | 649102 | 10.000 |
| alpha-hydroxymidazolam | 4.643 | 822879 | 2462.2 | 294.9 | 3651250 | 10.000 |
| alpha-PHP | 3.852 | 1983135 | 8365.6 | 728.8 | 3991151 | 10.000 |
| alpha-PVP | 3.546 | 2416456 | 1867562.1 | 853.2 | 3991151 | 10.000 |
| Alprazolam | 4.784 | 1282649 | 6445.2 | 670.7 | 3651250 | 10.000 |
| Amitriptyline | 4.603 | 770421 | 301.6 | 206.4 | 2552751 | 10.000 |
| Amphetamine | 2.922 | 1225714 | 328.0 | 1093.1 | 3991151 | 10.000 |
| Benzoylecgonine | 3.447 | 31887 | 2200.9 | 298.8 | 111787 | 10.000 |
| Brompheniramine | 4.199 | 67057 | 102730.9 | 5658.9 | 6022282 | 10.000 |
| Buprenorphine | 4.132 | 2786 | 1828.7 | 483.6 | 1291070 | 10.000 |
| Bupropion | 3.822 | 2426948 | 825.5 | 1166.8 | 10192212 | 10.000 |
| Carbamazepine | 4.361 | 4218803 | 61407.8 | 1021.2 | 3630909 | 10.000 |
| Carisoprodol | 4.298 | 540408 | 374.0 | 314.1 | 2809042 | 10.000 |
| Chlordiazepoxide | 4.786 | 355431 | 162007.9 | 135.6 | 3651250 | 10.000 |
| Chlorpheniramine | 4.079 | 3792793 | 57045.2 | 141.9 | 6022282 | 10.000 |
| Chlorpromazine | 4.828 | 498156 | 7462.2 | 1096.6 | 1945573 | 10.000 |
| Citalopram | 4.245 | 1943287 | 2868.2 | 801072.2 | 37188270 | 10.000 |
| Clomimpramine | 4.844 | 562220 | 148446.6 | 578.1 | 869726 | 10.000 |
| Clonazepam | 4.630 | 212103 | 91673.5 | 232.7 | 38808 | 10.000 |
| Clonazolam | 4.519 | 364159 | 91650.0 | 33126.2 | 649102 | 10.000 |
| clozapine | 4.366 | 2082238 | 9223.8 | 367730.6 | 9052033 | 10.000 |
| Cocaethylene | 3.861 | 2539414 | 1211413.2 | 806.8 | 12391593 | 10.000 |
| Cocaine | 3.646 | 2540463 | 1433.2 | 251.9 | 12391593 | 10.000 |
| Codeine | 2.713 | 183762 | 26956.0 | 57934.4 | 3630909 | 10.000 |
| Cyclobenzaprine | 4.527 | 1361536 | 3129.3 | 169.1 | 2552751 | 10.000 |
| Desipramine | 4.574 | 1777570 | 707592.5 | 1692.5 | 2552751 | 10.000 |
| Dextromethorphan | 4.188 | 1120554 | 246216.8 | 230519.4 | 6022282 | 10.000 |

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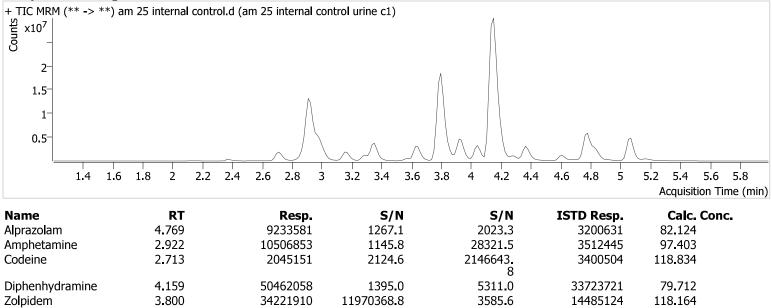
| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|--------------------------------------|----------------|------------------|-----------------------|--------------------|-------------------|------------------|
| Dextrorphan | 3.420 | 1790225 | 1340.1 | 376232.0 | 3991151 | 10.000 |
| Diazepam | 5.047 | 581873 | 487.3 | 394.0 | 3651250 | 10.000 |
| Dihydrocodeine | 2.682 | 659445 | 3150.9 | 195534.5 | 3630909 | 10.000 |
| Dimethyltriptamine | 2.995 | 1153141 | 633.6 | 11698.0 | 3991151 | 10.000 |
| Diphenhydramine | 4.159 | 6980912 | 1078.4 | 768.5 | 37188270 | 10.000 |
| Doxepin | 4.311 | 1032073 | 500.2 | 49.8 | 9052033 | 10.000 |
| Doxylamine | 3.665 | 4458231 | 565.2 | 183.4 | 3991151 | 10.000 |
| Duloxetine | 4.525 | 22337 | 11312.3 | 85747.7 | 869726 | 10.000 |
| EDDP | 4.203 | 385021 | 85176.5 | 44339.5 | 1616248 | 10.000 |
| Estazolam | 4.694 | 2018169 | 2734864.8 | 358890.0 | 3651250 | 10.000 |
| Etizolam | 4.765 | 99853 | 65885.9 | 165727.3 | 3651250 | 10.000 |
| Fentanyl | 4.059 | 128459 | 76.2 | 83.0 | 8269941 | 10.000 |
| Flualprazolam | 4.597 | 447401 | 123121.5 | 2433096 | 3651250 | 10.000 |
| | | | | 2 | | |
| Flunitrazepam | 4.737 | 978995 | 359251.5 | 102258.8 | 649102 | 10.000 |
| Fluorofentanyl | 4.073 | 103780 | 48689.3 | 135.1 | 8269941 | 10.000 |
| Fluoxetine | 4.508 | 936617 | 1032.7 | 154.6 | 869726 | 10.000 |
| Flurazepam | 4.225 | 1683019 | 311751.6 | 243178.5 | 1291070 | 10.000 |
| Hydrocodone | 2.942 | 592980 | 779.7 | 221.4 | 3630909 | 10.000 |
| Hydromorphone | 2.337 | 606665 | 613.4 | 665.3 | 137270 | 10.000 |
| hydroxyzine | 4.656 | 2044124 | 205.5 | 828225.5 | 9052033 | 10.000 |
| Imipramine | 4.572 | 2566436 | 1482.9 | 1289.0 | 2552751 | 10.000 |
| Ketamine | 3.391 | 1532822 | 3861.0 | 599.4 | 5994433 | 10.000 |
| Lamotrigine | 3.574 | 120122 | 66815.7 | 3077.6 | 3991151 | 10.000 |
| Levamisole | 2.887 | 1286084 | 845936.1 | 511.8 | 12391593 | 10.000 |
| Levetiracetam | 2.601 | 292781 | 774.3 | 359.3 | 1487527 | 10.000 |
| Lorazepam | 4.598 | 18917 | 4990287694520 68.0 | 00 | 649102 | 10.000 |
| Maprotiline | 4.603 | 511756 | 535.2 | 169.8 | 2552751 | 10.000 |
| MDA | 3.042 | 1280370 | 816.8 | 354.8 | 14319543 | 10.000 |
| MDEA | 3.286 | 2415980 | 2946.8 | 6885.1 | 14319543 | 10.000 |
| MDMA | 3.118 | 2205154 | 974.9 | 434.0 | 14319543 | 10.000 |
| Meperidine | 3.651 | 1032932 | 2777 . 8 | 59595.2 | 137270 | 10.000 |
| Meprobamate | 3.716 | 194863 | 368.0 | 207.6 | 2809042 | 10.000 |
| Methadone | 4.538 | 3638198 | 786260.7 | 7106.4 | 8707231 | 10.000 |
| Methamphetamine | 3.028 | 1682415 | 8 | ∞ | 14319543 | 10.000 |
| Methocarbamol | 3.667 | 93944 | 2302.1 | 17.1 | 2809042 | 10.000 |
| Methylphenidate | 3.576 | 4871937 | 1340.8 | 8275.6 | 6994986 | 10.000 |
| Metoprolol | 3.495 | 543710 | 5345.7 | 509836.1 | 3991151 | 10.000 |
| Midazolam | 4.475 | 281744 | 4617.5 | 38139.5 | 1487527 | 10.000 |
| Mirtazapine | 3.712 | 1402647 | 1752.8 | 1565.3 | 1291070 | 10.000 |
| Mitragynine | 4.225 | 228591 | 92535.0 | 331594.0 | 8269941 | 10.000 |
| Morphine | 2.156 | 174310 | 1794.8 | 213.1 | 137270 | 10.000 |
| Norbuprenorphine | 3.902 | 37934 | 18279.2 | 21661.4 | 1291070 | 10.000 |
| Nordiazepam | 4.896 | 186055 | 74230.5 | 00 | 3651250 | 10.000 |
| Norfentanyl | 3.376 | 2722803 | 3912.0 | 410.8 | 14140534 | 10.000 |
| Norhydrocodone | 2.943 | 121266 | 318.1 | 16726.6 | 3630909 | 10.000 |
| norketamine | 3.377 | 180127 | 173.2 | 1436.4 | 5994433 | 10.000 |
| Normeperidine | 3.684 | 1423642 | 694.2 | 266.6 | 137270 | 10.000 |
| Noroxycodone | 2.911 | 551621 | 00 141001 F | 46.3 | 3630909 | 10.000 |
| Nortriptyline | 4.621 | 596933 | 141001.5 | 127089.0 | 869726 | 10.000 |
| O-desmethyl-tramadol | 2.915 | 3937654 | 987.7 | 1197.0 | 4627864 | 10.000 |
| O-Desmethylvenlafaxine | 3.296 | 1156384 | 1648 <u>.</u> 4 | 10184.7 | 4627864 | 10.000 |
| Olanzapine | 3.215 | 1079603 | 662 . 9 | 200.5 | 869726 | 10.000 |
| Oxazepam | 4.710 | 100845 | 166.6 | 44.7 | 649102 5004422 | 10.000 |
| Oxycodone | 2.909 | 1305002 | 599 <u>.</u> 8 | 94211.1 | 5994433 | 10.000 |
| Oxymorphone | 2.242 4.535 | 698742 144599 | 183.6 523.8 | 3108.8 | 137270 | 10.000 |
| Paroxetine | 4.535 4.826 | 238862 | 523.8 82691.7 | 13398.2 53281.6 | 869726 3651250 | 10.000 10.000 |
| Phenazepam Phencyc l idine | 4.826 4.006 | 3003827 | 4599.9 | 393 . 4 | 4627864 | 10.000 |
| | -1000 | 3003627 | 9,ככנד | 193.4 | 4027004 | 10.000 |

| Name | RT | Resp. | S/N | S/N | ISTD Resp. | Calc. Conc. |
|-----------------|-------|----------|-----------|----------|------------|-------------|
| Phentermine | 3.196 | 610534 | 8 | 457.5 | 6994986 | 10.000 |
| Phenytoin | 4.252 | 113567 | 14861.8 | 107.9 | 38808 | 10.000 |
| primidone | 3.516 | 102123 | 64169.6 | 68.5 | 38808 | 10.000 |
| Promethazine | 4.480 | 2248362 | 427556.9 | 270.7 | 2552751 | 10.000 |
| Pseudoephedrine | 2.722 | 44624991 | 3072.2 | 37187.4 | 6994986 | 10.000 |
| Quetiapine | 4.410 | 2942913 | 3405.9 | 6565.1 | 6022282 | 10.000 |
| Risperidone | 4.102 | 2826642 | 2273.7 | 437.2 | 6022282 | 10.000 |
| Sertraline | 4.800 | 162844 | 1434.4 | 835.7 | 869726 | 10.000 |
| Sufentanil | 4.333 | 84341 | 37603.8 | 142.2 | 8269941 | 10.000 |
| Tapentadol | 3.500 | 2758214 | 875.5 | 1275.2 | 5994433 | 10.000 |
| Temazepam | 4.862 | 818333 | 401.4 | 48.9 | 3651250 | 10.000 |
| Topiramate | 3.905 | 5736 | 2044.4 | 1639.1 | 34375 | 10.000 |
| Tramadol | 3.481 | 8744491 | 8 | 113.0 | 1051678 | 10.000 |
| Trazodone | 4.195 | 1908245 | 7010.4 | 2689.1 | 8707231 | 10.000 |
| Venlafaxine | 3.910 | 4055151 | 49389.5 | 975.2 | 4627864 | 10.000 |
| Zaleplon | 4.494 | 966054 | 298495.8 | 211738.9 | 649102 | 10.000 |
| Zolpidem | 3.800 | 3639757 | 2076939.6 | 720.9 | 18204405 | 10.000 |
| Zopiclone | 3.888 | 177201 | 84853.1 | ∞ | 851211 | 10.000 |

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\mds.batch.binCalibration Last Update8/22/2023 2:43:42 PM

| Instrument | 69679 |
|------------------|----------------------|
| Туре | Sample |
| Acq. Method | mds713.m |
| Sample Position | P2-C1 |
| Injection Volume | 2.5 |
| Acq. Date-Time | 8/17/2023 4:57:05 PM |
| Sample Info. | |

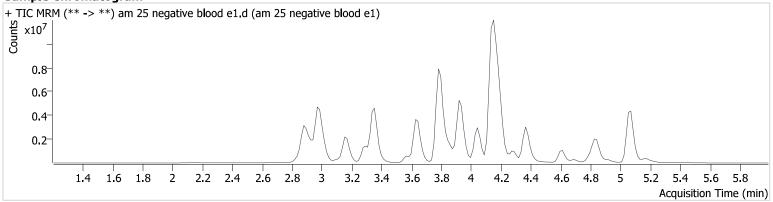
Data File Sample Operator Comment am 25 internal control.d am 25 internal control urine c1 Anne Nord



Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\mds.batch.binCalibration Last Update8/22/2023 2:43:42 PM

| Instrument | 69679 |
|------------------|----------------------|
| Туре | Sample |
| Acq. Method | mds713.m |
| Sample Position | P2-E1 |
| Injection Volume | 2.5 |
| Acq. Date-Time | 8/17/2023 5:03:48 PM |
| Sample Info. | |

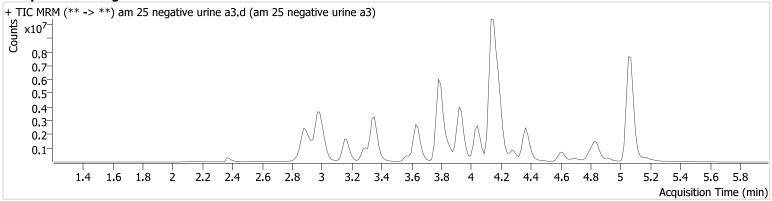
Data File Sample Operator Comment am 25 negative blood e1.d am 25 negative blood e1 Anne Nord



Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\mds.batch.binCalibration Last Update8/22/2023 2:43:42 PM

| Instrument | 69679 |
|------------------|----------------------|
| Туре | Sample |
| Acq. Method | mds713.m |
| Sample Position | P2-A3 |
| Injection Volume | 2.5 |
| Acq. Date-Time | 8/17/2023 6:24:12 PM |
| Sample Info. | |

Data File Sample Operator Comment am 25 negative urine a3.d am 25 negative urine a3 Anne Nord



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

Extraction Date: <u>8/17/23</u> Analyst: <u>Anne Nord</u>

Plate lot#: 230627 Plate retest date: 12/27/2023

Mobile phase A:10mM Ammonium FormateMobile phase B:0.1% Formic acid in MeOH0.1% Formic Acid in WaterMTBEHexaneBlank Blood Lot:23C57106 Urine Blank:8423Column:Agilent Phenyl Hexyl (4.6x50mm: 2.7 um)LCMS-QQQ ID:69679

Pre-Analytic:

- \boxtimes 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- \boxtimes 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.
- In the second second

Pipette 1000 μL blood (calibrated pipette) in wells of analytical (standards) plate. Pipette ID: K52558G Pipette 1000 ul urine to analytical (standards) plate.

- \boxtimes 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- A. Pipette 500 μL 0.1% formic acid in blood wells 500 ul saturated phosphate buffer in urine wells of analytical plate.
- ☑ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 8 6. Transfer 800 μL 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: 66792
- \boxtimes 8. Wait 5 minutes.
- \boxtimes 9. Add 2.25 mL MTBE (add in 3 increments of 750 µL).
- \boxtimes 10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 10-15 seconds. (12-15 PSI- Selector to the left).
- \boxtimes 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
- \boxtimes 13. Wait 5 minutes.
- ☑ 14. Apply positive pressure for approx. 10-15 seconds. (12-15 PSI- Selector to the left).
- I5. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 66819
- 2 16. Reconstitute in 100 μL 100% LCMS MeOH and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- \boxtimes 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.
- \boxtimes 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
- \boxtimes 4. Did all QCs pass for each analyte? Yes
- S. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: c2023-1904-1 and C2023-1725-1 dried out and did not inject. The were reconstituted and injected the next morning 8/18/23.

that injection was evaluated.

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-----------------------------|---------------------------|----------------|--------|---|---|
| а | cal 1 | Internal control urine | 1821-1 | 1906.1 | | |
| b | cal 2 | negative blood | 1832-1 | 1735-1 | | |
| с | cal 3 | 1739-1 | 1874-1 | 1815-3 | | |
| d | cal 4 | 1741-3 | 1779-1 | 1890-1 | | |
| e | cal 5 | 1750-1 | 1875-1 | 1748.1 | | |
| f | cal 6 | 1766-1 | 1904-1 | | | |
| g | cal 7 | 1767-1 | negative urine | | | |
| h | Internal control (blood) | 1816-1 | 1725-1 | | | |

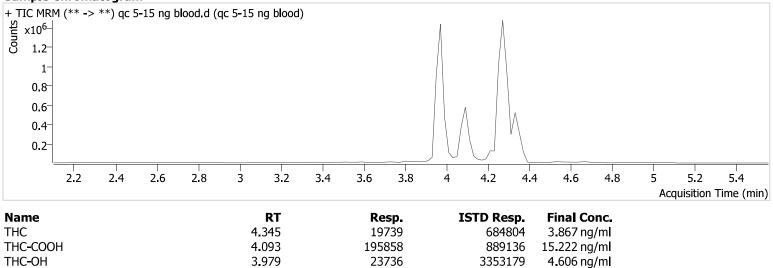
Plate position 3

c2023-___-

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

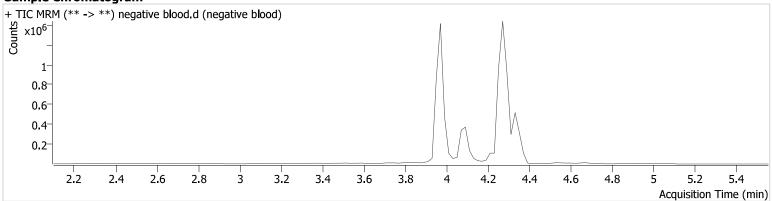
| Instrument | 69679 |
|------------------|-------------------------|
| Туре | QC |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-H1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 9:04:07 PM |
| Sample Info. | |

Data File Sample Operator Comment qc 5-15 ng blood.d qc 5-15 ng blood Anne Nord



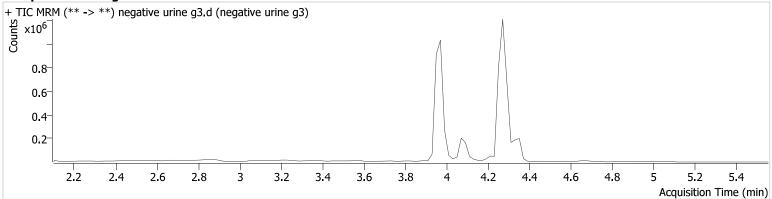
Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

Data File Sample Operator Comment negative blood.d negative blood Anne Nord



Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

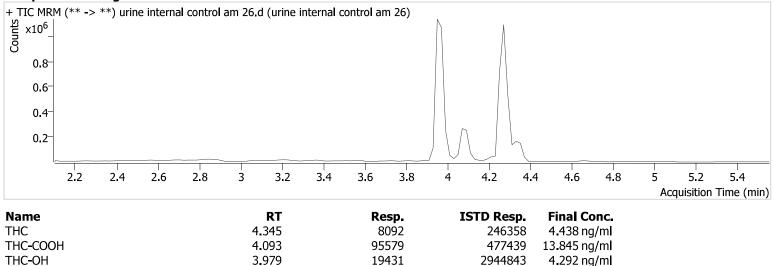
Data File Sample Operator Comment negative urine g3.d negative urine g3 Anne Nord

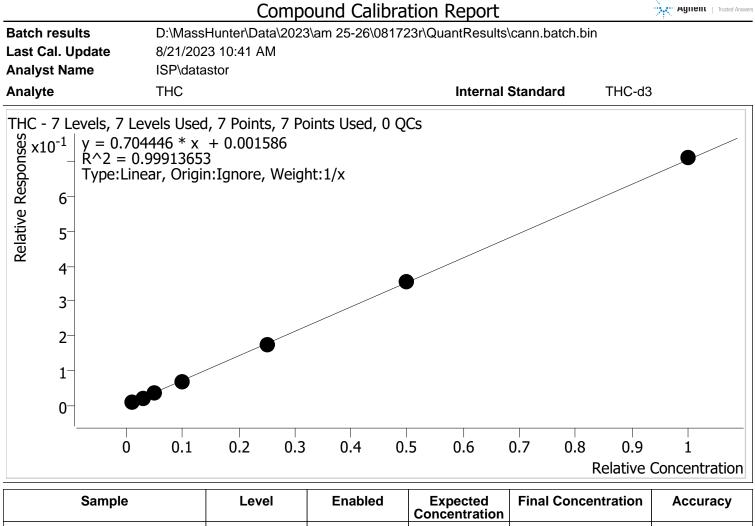


Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

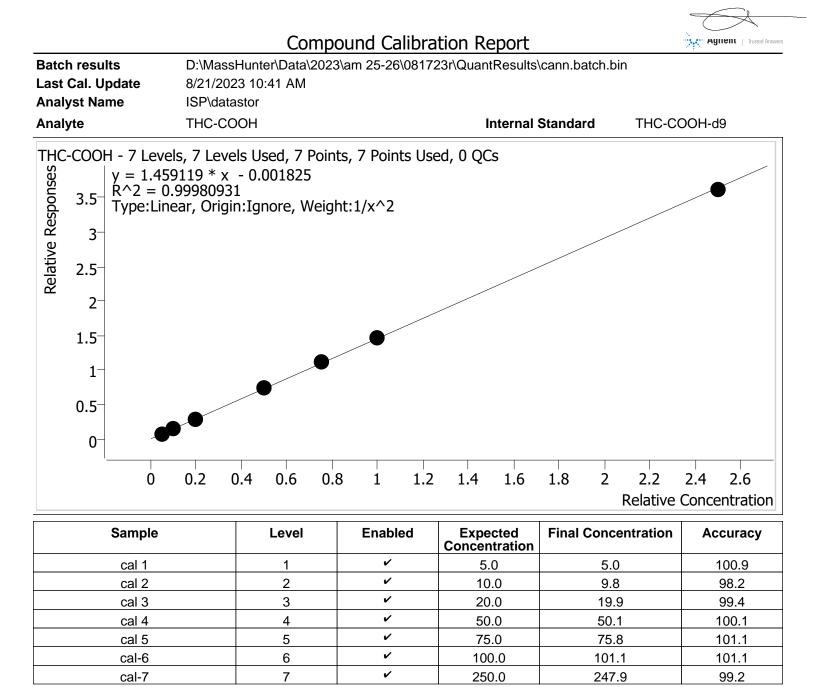
| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Sample |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-A2 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 11:19:56 PM |
| Sample Info. | |

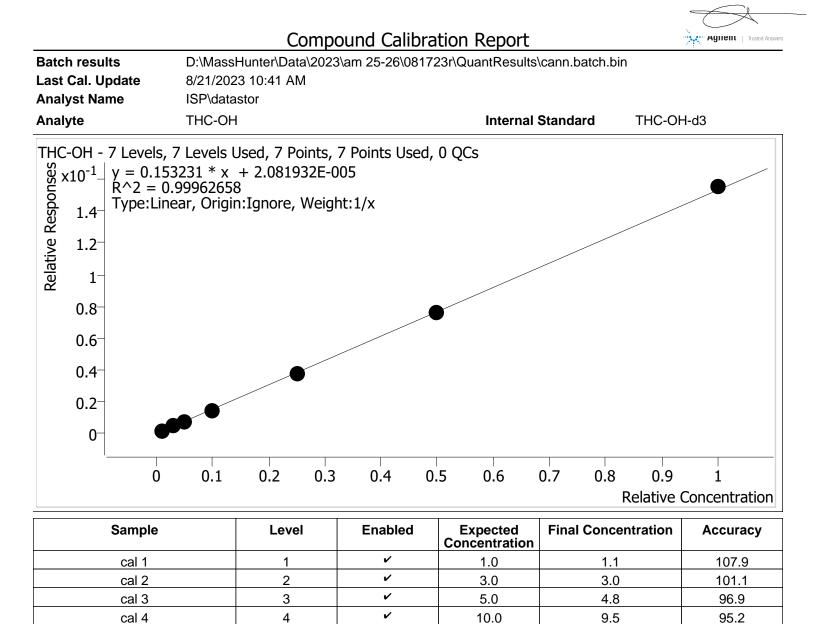
Data File Sample Operator Comment urine internal control am 26.d urine internal control am 26 Anne Nord





| Sample | Level | Enabled | Concentration | Final Concentration | Accuracy |
|--------|-------|---------|---------------|---------------------|----------|
| cal 1 | 1 | V | 1.0 | 1.2 | 121.9 |
| cal 2 | 2 | ~ | 3.0 | 2.7 | 90.1 |
| cal 3 | 3 | ~ | 5.0 | 4.6 | 92.2 |
| cal 4 | 4 | V | 10.0 | 9.5 | 95.0 |
| cal 5 | 5 | ~ | 25.0 | 24.8 | 99.2 |
| cal-6 | 6 | ~ | 50.0 | 50.3 | 100.7 |
| cal-7 | 7 | ~ | 100.0 | 100.8 | 100.8 |





r

r

r

25.0

50.0

100.0

5

6

7

cal 5

cal-6

cal-7

24.6

49.7

101.3

98.2

99.3

101.3

cal 1.d

Anne Nord

cal 1

Data File

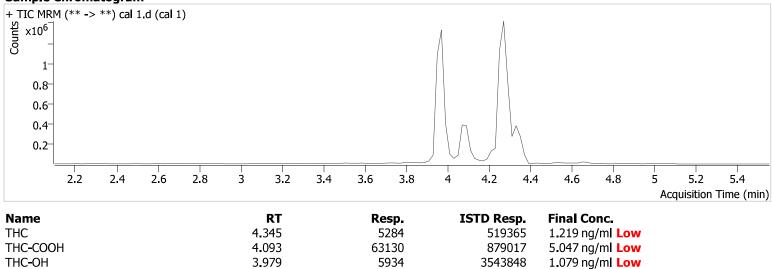
Operator

Comment

Sample

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-A1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:18:40 PM |
| Sample Info. | |



cal 2.d

Anne Nord

cal 2

Data File

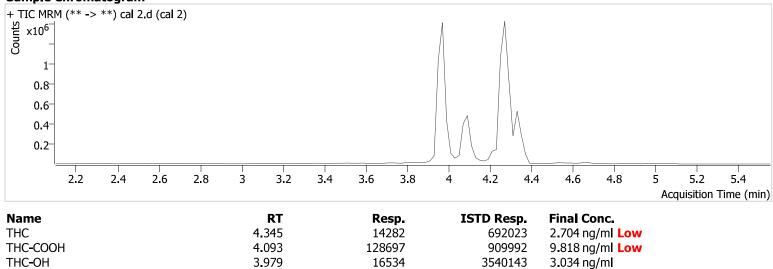
Operator

Comment

Sample

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-B1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:25:18 PM |
| Sample Info. | |



cal 3.d

Anne Nord

cal 3

Data File

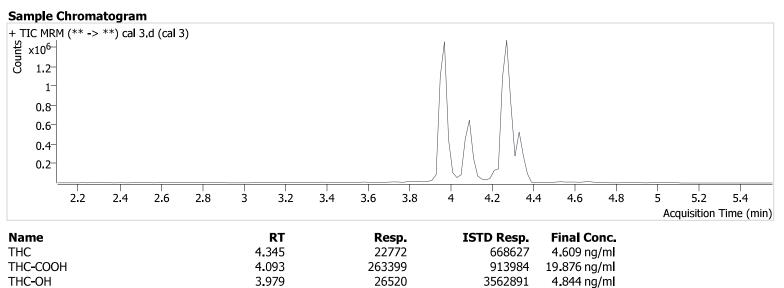
Operator

Comment

Sample

D:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.bin **Batch results** Calibration Last Update 8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-C1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:31:46 PM |
| Sample Info. | |



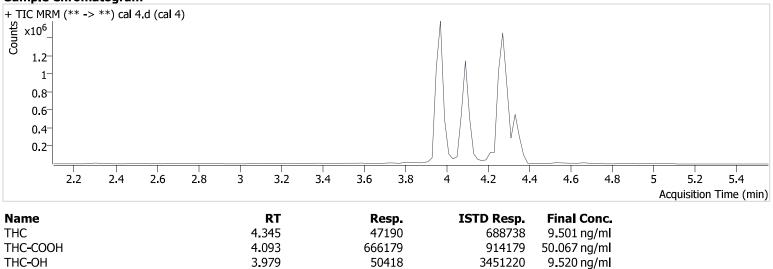
Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-D1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:38:14 PM |
| Sample Info. | |

Sample Operator Comment

Data File

cal 4.d cal 4 Anne Nord



cal 5.d

Anne Nord

cal 5

Data File

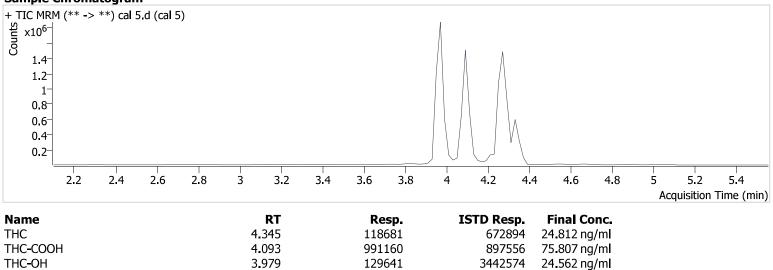
Operator

Comment

Sample

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

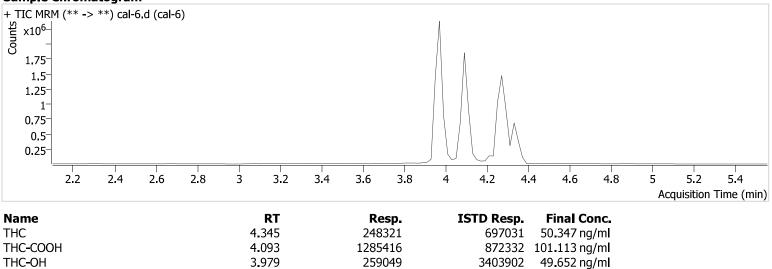
| Instrument | 69679 |
|------------------|-------------------------|
| Type | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-E1 |
| Injection Volume | 5 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:44:42 PM |
| Sample Info. | 0/1//2020 0.11.12111 |



Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Туре | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-F1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:51:11 PM |
| Sample Info. | |

Data File Sample Operator Comment cal-6.d cal-6 Anne Nord



cal-7.d

Anne Nord

cal-7

Data File

Operator

Comment

Sample

Batch resultsD:\MassHunter\Data\2023\am 25-26\081723r\QuantResults\cann.batch.binCalibration Last Update8/21/2023 10:41:59 AM

| Instrument | 69679 |
|------------------|-------------------------|
| Type | Cal |
| Acq. Method | am 26 cann scr 5-5-20.m |
| Sample Position | P3-G1 |
| Injection Volume | 5 |
| Acq. Date-Time | 8/17/2023 8:57:39 PM |
| Sample Info. | 0/1//2023 0.37.33 111 |

